PROJECT ID: 1030-20-87
WITH: 1030-20-84, 1035-01-72, 1035-01-74, 1035-01-79, 1035-01-82
COUNTY: MILWAUKEE

ORDER OF SHEETS

Section No.	1	Title
Section No.	2	Typical Sections and Details
Section No.	3	Estimate of Quantities
Section No.	3	Miscellaneous Quantities
Section No.	4	Right of Way Plat
Section No.	5	Plan and Profile
Section No.	6	Standard Detail Drawings
Section No.	7	Sign Plates
Section No.	8	Structure Plans
Section No.	9	Computer Earthwork Data
Section No.	9	Cross Sections

TOTAL SHEETS =





STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

N-S FREEWAY

ELM ROAD INTERCHANGE
IH 94
MILWAUKEE COUNTY

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1030-20-87		

STATE PROJECT NUMBER
1030-20-87

STRUCTURES

B-40-800	S-40-590
B-40-801	S-40-591
B-40-802	S-40-762
B-40-803	S-40-941
B-40-804	S-40-942
R-40-385	
R-40-387	

DESIGN DESIGNATION

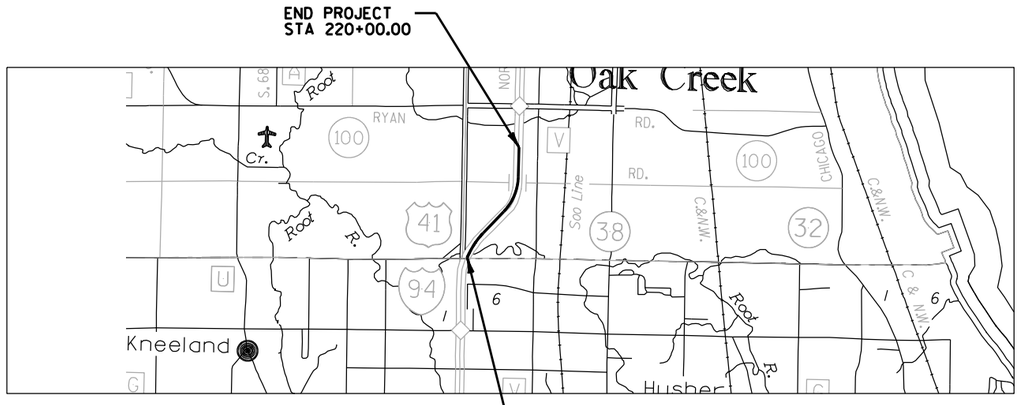
IH-94 AT ELM ROAD			ELM ROAD		
A.A.D.T. 2017	=	95,745	A.A.D.T. 2017	=	N/A
A.A.D.T. 2038	=	119,500	A.A.D.T. 2038	=	16,475
D.H.V.	=	9,200	D.H.V.	=	1,650
D.D.	=	48 NB / 52 SB	D.D.	=	50 NB / 50 SB
T.	=	15%	T.	=	9%
DESIGN SPEED	=	70 MPH	DESIGN SPEED	=	40 MPH
ESALS RIGID	=	36,047,400	ESALS RIGID	=	2,219,200

CONVENTIONAL SYMBOLS

PLAN
- CORPORATE LIMITS
- PROPERTY LINE
- LOT LINE
- LIMITED HIGHWAY EASEMENT
- EXISTING RIGHT OF WAY
- PROPOSED OR NEW R/W LINE
- SLOPE INTERCEPT
- REFERENCE LINE
- EXISTING CULVERT
- PROPOSED CULVERT (Box or Pipe)
- COMBUSTIBLE FLUIDS (CAUTION)
- MARSH AREA
- WOODED OR SHRUB AREA

PROFILE
- GRADE LINE
- ORIGINAL GROUND
- MARSH OR ROCK PROFILE (To be noted as such) (ROCK)
- SPECIAL DITCH (LABEL)
- GRADE ELEVATION (95.36)
- CULVERT (Profile View)

UTILITIES
- ELECTRIC (E)
- FIBER OPTIC (FO)
- GAS (G)
- SANITARY SEWER (SAN)
- STORM SEWER (SS)
- TELEPHONE (T)
- WATER (W)
- UTILITY PEDESTAL
- POWER POLE
- TELEPHONE POLE



LAYOUT
SCALE 0 2 MI.

TOTAL NET LENGTH OF CENTERLINE = 1.679 MI.

"COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), 'MILWAUKEE' COUNTY NAD 83 (1997)."

ELEVATIONS SHOWN ON THIS PLAN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988(91) (NAVD 88)(91).

ORIGINAL PLANS PREPARED BY
ch2m:
MILWAUKEE, WISCONSIN

(Date) (Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	WISDOT
Designer	CH2M
Project Manager	JASON DAHLGREN
Regional Examiner	
Regional Supervisor	MANOJOY NAG
C.O. Examiner	

APPROVED FOR THE DEPARTMENT

DATE: _____ (Signature)

E

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cdailey@atcllc.com

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c/o KEN NINE
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CELL: (414) 852-3910
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CELL: (920) 912-1036
rmerry@sewrpc.org

TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN

WIS. STATUTE 182.0175 (1974) REQUIRES MIN. OF 3 WORK DAYS NOTICE BEFORE YOU EXCAVATE.

DIGGERS HOTLINE
Dial 811 or (800) 242-8511
www.DiggersHotline.com

2

GENERAL NOTES

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

THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

THE CONTRACTOR SHALL NOTIFY DIGGERS HOTLINE AND AFFECTED UTILITIES PRIOR TO THE START OF WORK. ANY LOCAL MUNICIPAL UTILITY WHICH IS NOT A MEMBER OF THE DIGGERS HOTLINE SHALL BE CONTACTED SEPARATELY.

ALL HOLES OR OPENINGS BELOW SUBGRADE RESULTING FROM ABANDONMENT OR REMOVAL OF EXISTING STRUCTURES SHALL BE FILLED WITH GRANULAR BACKFILL, AS DIRECTED BY THE ENGINEER.

WHEN THE QUANTITY OF HMA PAVEMENT OR BASE AGGREGATE IS MEASURED FOR PAYMENT BY THE TON, THE DEPTH OR THICKNESS OF THE LAYER SHOWN ON THE PLAN IS APPROXIMATE AND THE ACTUAL THICKNESS WILL DEPEND ON THE DISTRIBUTION OF THE MATERIAL AS DIRECTED BY THE ENGINEER.

PRIOR TO ORDERING DRAINAGE PIPES AND STRUCTURES, THE CONTRACTOR SHALL VERIFY RELATED DRAINAGE INFORMATION IN THE PLAN AND PROVIDE DOCUMENTATION TO ENGINEER IN ACCORDANCE WITH THE SPECIFICATIONS.

INLET AND DISCHARGE ELEVATIONS FOR DRAINAGE STRUCTURES SHOWN ON THE PLAN MAY BE ADJUSTED BY THE ENGINEER TO FIT FIELD CONDITIONS.

THE QUANTITY OF SALVAGED TOPSOIL IS COMPUTED FROM MEASUREMENTS BETWEEN THE SUBGRADE SHOULDER POINTS AND THE SLOPE INTERCEPTS AS SHOWN ON THE CROSS SECTIONS PLUS 5 FEET FOR ROUNDING.

TEMPORARY STORAGE OF ANY EXCAVATED MATERIAL WILL NOT BE PERMITTED IN WETLANDS.

BROKEN CONCRETE CONTAINING RE-BAR SHALL NOT BE USED AS RIPRAP OR HEAVY RIPRAP.

CROSS SECTIONS SHOWN INCLUDE THE THICKNESS OF TOPSOIL WHERE REQUIRED. TOPSOIL SHALL BE REPLACED WITH 4-INCH TYPICAL DEPTH IN RURAL SECTIONS AND 6-INCH TYPICAL DEPTH IN URBAN SECTIONS.

A SAWED JOINT IS REQUIRED WHERE NEW HMA PAVEMENT MEETS EXISTING HMA PAVEMENT.

TRAFFIC CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

REMOVAL OF EROSION CONTROL DEVICES IS INCLUDED IN THE COST OF THEIR RESPECTIVE BID ITEMS.

THE EROSION CONTROL FEATURES AS SHOWN IN THE PLANS ARE AT SUGGESTED LOCATIONS. EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER IN THE FIELD.

SALVAGED TOPSOIL, FERTILIZER, MULCH AND SEED SHALL BE PLACED AS DIRECTED BY THE ENGINEER, IN DISTURBED AREAS WITHIN THE RIGHT OF WAY, EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS.

PLACE SALVAGED TOPSOIL IN ALL GRADED AREAS AS DESIGNATED BY THE ENGINEER IMMEDIATELY AFTER GRADING HAS BEEN COMPLETED. SEED, MULCH AND FERTILIZE OR SOD AND FERTILIZE ALL AREAS 5 DAYS AFTER PLACEMENT OF SALVAGED TOPSOIL.

INLET PROTECTION IS REQUIRED AT ALL INLETS AS PER DETAIL OR AS DIRECTED BY THE ENGINEER.

FOR SECTION CORNER REPLACEMENT CONTACT JOHN WASHBURN WITH SEWRPC AT 414-218-2866 OR JWASHBURN@SEWRPC.ORG. CONTACT SHALL BE MADE A MINIMUM OF TWO WEEKS BEFORE STARTINC CONSTRUCTION OPERATIONS.

DESIGN, PLANS, SPECIFICATIONS AND ESTIMATE FOR PERMANENT MAINLINE SIGNING PROVIDED BY WISDOT SE REGION.

RE-TOPSOIL OF GRADED AREAS, AS DESIGNATED BY THE ENGINEER, IMMEDIATELY AFTER GRADING IS COMPLETED WITHIN THOSE AREAS. SEED, FERTILIZE, AND MULCH/EROSION MAT TOP-SOILED AREAS, AS DESIGNATED BY THE ENGINEER, WITHIN FIVE (5) CALENDAR DAYS AFTER PLACEMENT OF TOPSOIL. IF GRADED AREAS ARE LEFT EXPOSED FOR MORE THAN FOURTEEN (14) CALENDAR DAYS, SEED THOSE AREAS WITH TEMPORARY SEED AND MULCH.

STOCKPILE EXCESS MATERIAL OR SPOILS ON UPLAND AREAS AWAY FROM WETLANDS, FLOODPLAINS AND WATERWAYS. STOCKPILED SOIL SHALL BE PROTECTED AGAINST EROSION. IF STOCKPILED MATERIAL IS LEFT FOR MORE THAN FOURTEEN (14) CALENDAR DAYS, SEED THE STOCKPILE WITH TEMPORARY SEED AND MULCH.

EROSION CONTROL BMP'S ARE AT SUGGESTED LOCATIONS. THE ACTUAL LOCATIONS WILL BE DETERMINED BY THE CONTRACTORS ECIP AND BY THE ENGINEER. EROSION CONTROL BMP'S SHALL BE MAINTAINED UNTIL PERMANENT VEGETATION IS ESTABLISHED OR UNTIL THE ENGINEER DETERMINES THAT THE BMP IS NO LONGER REQUIRED.

FERTILIZER SHALL NOT BE USED WITHIN 20 FEET OF NAVIGABLE WATERWAYS OR WETLANDS.

SAWCUT ASPHALTIC AND CONCRETE DRIVEWAYS AND/OR PARKING LOTS AT THE MATCHLINE AS SHOWN ON THE PAVING DETAILS OR AS DIRECTED BY THE ENGINEER.

THE CONTRACTOR SHALL PROVIDE A CONCRETE JOINT DETAIL 14 DAYS PRIOR TO PAVING FOR APPROVAL BY THE ENGINEER. 15' MAXIMUM SPACING FOR LONGITUDINAL JOINTS.

CONCRETE PAVEMENT TINING SHALL BE LONGITUDINAL.

SIGNS IN CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE COVERED AS DIRECTED BY THE ENGINEER AND PAID FOR UNDER THE ITEM TRAFFIC CONTROL COVERING SIGNS TYPE I OR TYPE II.

PROVIDE TEMPORARY POSITIVE DRAINAGE ON THE NEWLY INSTALLED STORM SEWER SYSTEM UNTIL IT IS ABLE TO EFFECTIVELY DRAIN TO ITS INTENDED OR PLANNED OUTFALL.

ALL INLETS WITHIN LIVE TRAFFIC LANES DURING STAGED CONSTRUCTION SHALL BE FASTENED ACCORDING TO THE SPECIAL PROVISIONS.

TACK COAT HAS BEEN ESTIMATED AT AN APPLICATION RATE OF 0.07 GALLON PER SQUARE YARD AND SHALL BE APPLIED BETWEEN ALL LAYERS OF ASPHALTIC PAVEMENT.

CONSTRUCT HMA PAVEMENT WITH THE FOLLOWING LAYERS:

LEGEND	HMA PAVEMENT	TOTAL LAYER PAVEMENT THICKNESS	LAYERS
C	4 MT 58-28 S 3 MT 58-28 S	6"	2" UPPER ONE 4" LOWER
D	4 MT 58-28 S 3 MT 58-28 S	5-1/2"	2" UPPER 3 1/2" LOWER
E	4 MT 58-28 S 3 MT 58-28 S	4"	1 3/4" UPPER 2 1/4" LOWER
F	4 HT 58-28 H 3 HT 58-28 S	7-1/2"	2" UPPER TWO 2 3/4" LOWER
G	4 MT 58-28 H	1-3/4"	ONE 1 3/4" LAYER

ORDER OF SECTION 2 DETAIL SHEETS

GENERAL NOTES
PROJECT OVERVIEWS
TYPICAL SECTIONS
CONSTRUCTION DETAILS
REMOVAL PLANS
PLAN DETAILS
PAVING GRADES
FTMS PLANS
CROSS SECTION MATCHLINES
EROSION CONTROL
STORM SEWER
STORMWATER MANAGEMENT
EXISTING SIGNING
PERMANENT SIGNING
LIGHTING PLAN
PAVEMENT MARKING
STAGE CONSTRUCTION
DETOURS
FENCING
ALIGNMENT LAYOUT

STANDARD ABBREVIATIONS

AEW	APRON END WALL
AGG	AGGREGATE
ASPH	ASPHALTIC
BAD	BASE AGGREGATE DENSE
BM	BENCH MARK
C&G	CURB AND GUTTER
C/L	CENTER OR CONSTRUCTION LINE
CMCP	CULVERT PIPE CORRUGATED METAL
CONC	CONCRETE
CP	CULVERT PIPE
CPRC	CULVERT PIPE REINFORCED CONCRETE
CSD	CONCRETE SURFACE DRAIN
CY	CUBIC YARD
D	DEGREE OF CURVE
Δ	DELTA
DISCH	DISCHARGE
EB	EASTBOUND
ENB	EXISTING NOISE BARRIER
FE	FIELD ENTRANCE
FL	FLOW LINE
HMA	HOT MIX ASPHALT
INV	INVERT
L	LENGTH OF CURVE
LHF	LEFT HAND FORWARD
LP	LOW POINT
LT	LEFT
MIN	MINIMUM
M/L	MATCHLINE
NB	NORTHBOUND
NC	NORMAL CROWN
PAVT	PAVEMENT
PC	POINT OF CURVE
PCC	POINT OF COMPOUND CURVE
PE	PRIVATE ENTRANCE
PI	POINT OF INTERSECTION
PGL	PROFILE GRADE LINE
PLE	PERMANENT LIMITED EASEMENT
PNB	PROPOSED NOISE BARRIER
PRC	POINT OF REVERSE CURVE
PT	POINT OF TANGENT
R	RADIUS OF CURVE
R/L	REFERENCE LINE
R/W	RIGHT OF WAY
RC	REVERSE CROWN
RCAEW	APRON ENDWALL FOR CULVERT PIPE REINFORCED CONCRETE
REQD	REQUIRED
RHF	RIGHT HAND FORWARD
RO	RUN OFF LENGTH
RRSP	RAILROAD SPIKE
RT	RIGHT
SALV	SALVAGED
SAPBC	SALVAGED ASPHALTIC PAVEMENT BASE COARSE
SB	SOUTHBOUND
SDD	STANDARD DETAIL DRAWING
SE	SUPER ELEVATION
SF	SQUARE FOOT
SSPRC	STORM SEWER PIPE REINFORCED CONCRETE
STA	STATION
SY	SQUARE YARD
T	TANGENT LENGTH
TLE	TEMPORARY LIMITED EASEMENT
VCL	VERTICAL CURVE LENGTH
VPC	POINT OF VERTICAL CURVE
VPI	POINT OF VERTICAL INTERSECTION
VPT	POINT OF VERTICAL TANGENT
WB	WESTBOUND

2

2

2

N

BEGIN PROJECT 1030-20-87
END PROJECT 1035-01-82
STA 131+34.26

ROOT RIVER

27TH STREET
BEGIN CONSTRUCTION
STA 804T+00.00

ELM ROAD

1/4 LINE

ELM ROAD
BEGIN CONSTRUCTION
STA 8E+50.00

27TH STREET
END CONSTRUCTION
STA 815T+90.95

SECTION LINE

CITY OF
FRANKLIN

S. 27TH STREET

CITY OF
OAK CREEK

1/4 LINE

B-40-801

S-40-941

S-40-942

B-40-800

RAMP EC

IH 94

ELM ROAD

S-40-590

RACINE COUNTY

MILWAUKEE COUNTY

R-40-387

B-40-802

NW DETENTION POND

RAMP ED

SECTION LINE

SE DETENTION POND

RAMP EB

SECTION LINE

1/4 LINE

R-40-385

1/4 LINE

OAKWOOD ROAD

OAKWOOD ROAD
BEGIN CONSTRUCTION
STA 17KW+00.00

ELM ROAD
END CONSTRUCTION
STA 35E+11.00

S-40-591

B-40-804

S-40-762

OAK CREEK

RYAN ROAD

IH 94

RAMP EA

B-40-803

OAKWOOD ROAD
END CONSTRUCTION
STA 22KW+00.00

END PROJECT 1030-20-87
BEGIN PROJECT 1030-20-84
STA 220+00.00

W. ELM ROAD

S. 13TH STREET

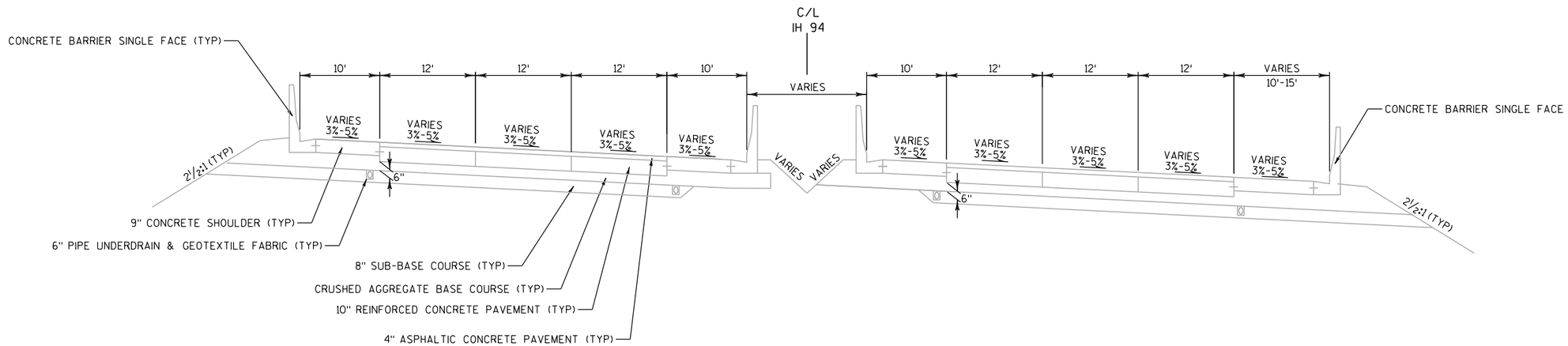
SECTION LINE

SECTION LINE

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PROJECT OVERVIEW	SHEET	E

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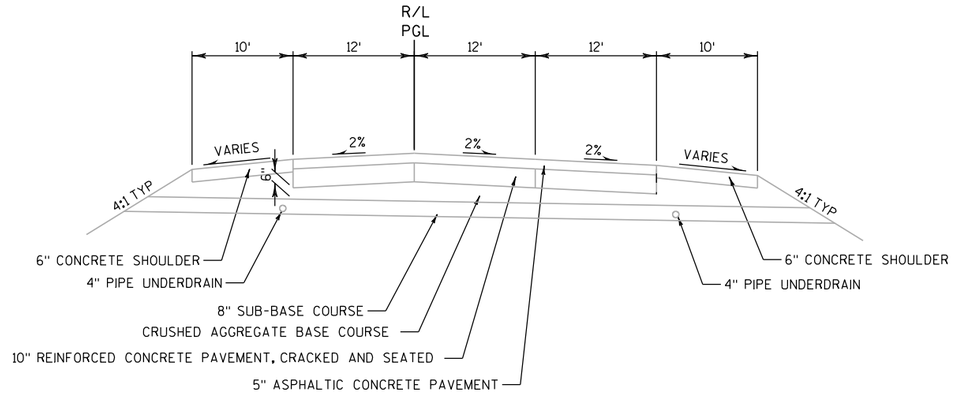
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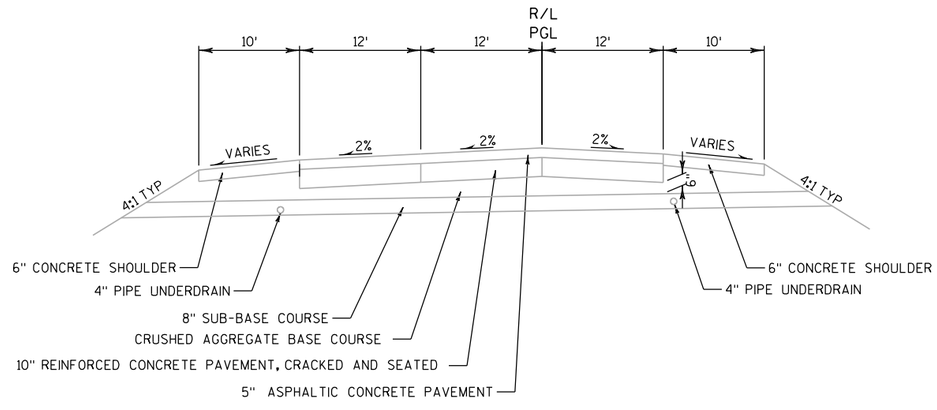
TYPICAL EXISTING SECTION
SOUTHBOUND IH 94
STA 131+34.26 TO STA 133+00.00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET	E

2

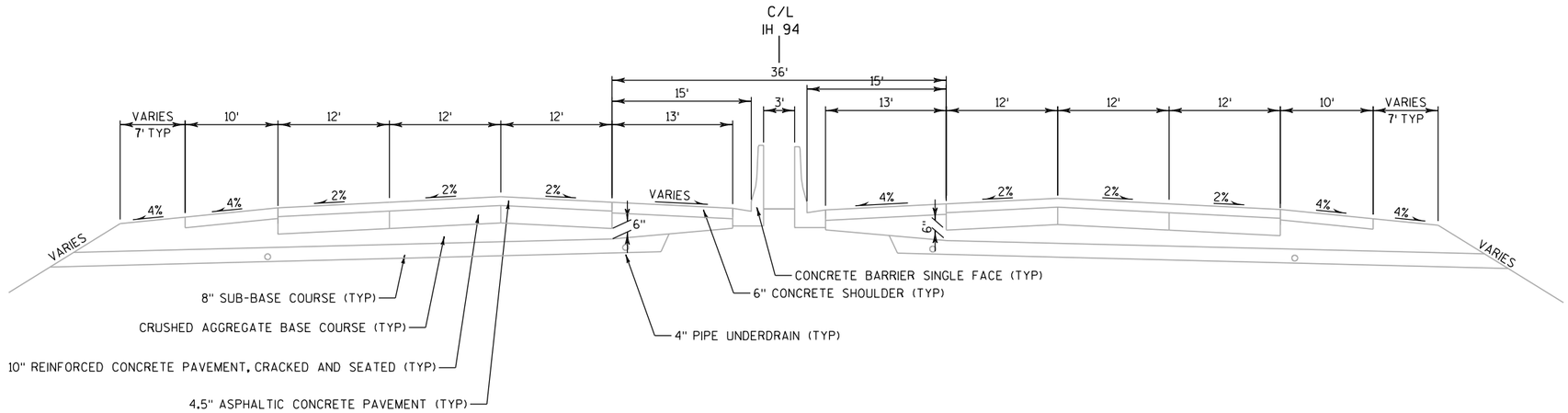


TYPICAL EXISTING SECTION
NORTHBOUND IH 94
STA 136+00.00 TO STA 194+25.00



TYPICAL EXISTING SECTION
SOUTHBOUND IH 94
STA 136+00.00 TO STA 194+25.00

2



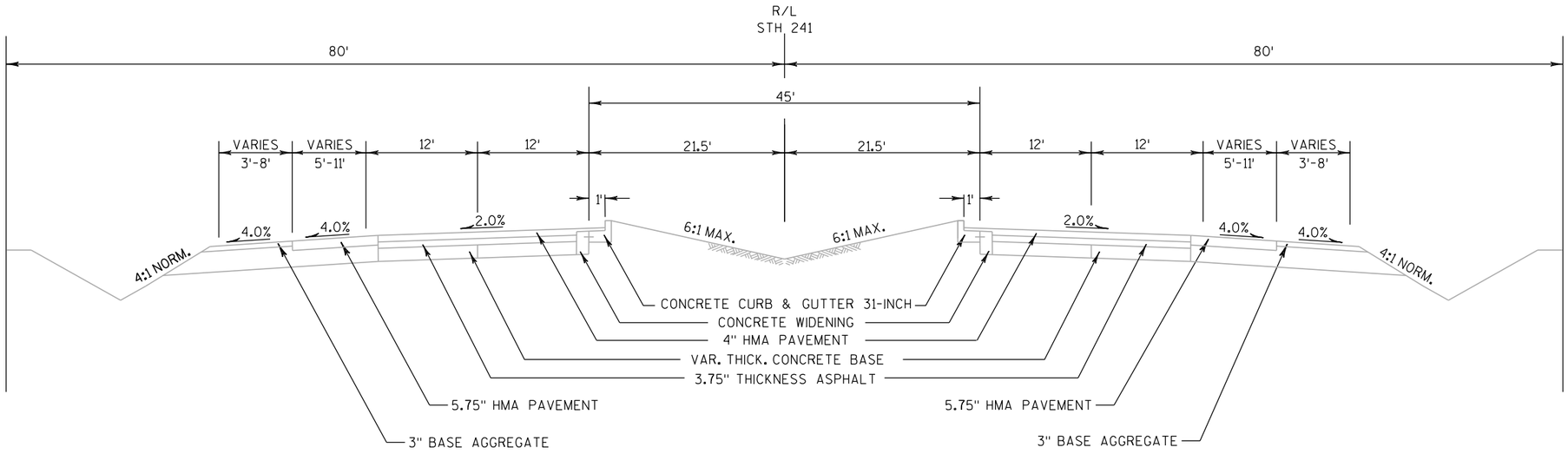
TYPICAL EXISTING SECTION

IH 94

STA 194+25.00 TO STA 220+00.00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET	E

2



TYPICAL EXISTING SECTION

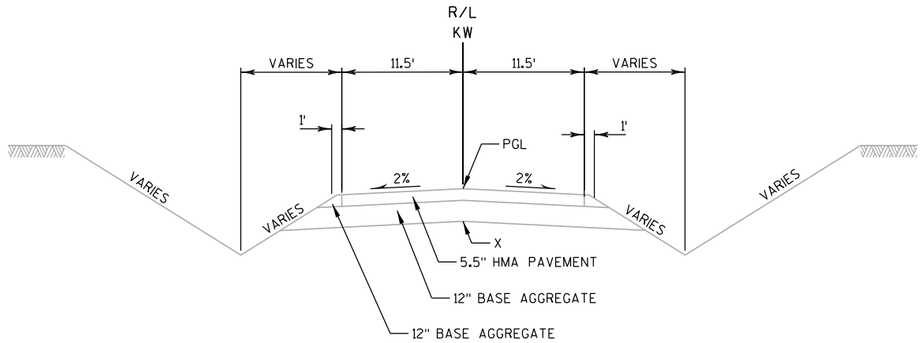
SOUTH 27TH STREET

STA 804T+00 TO STA 816T+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET E

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2



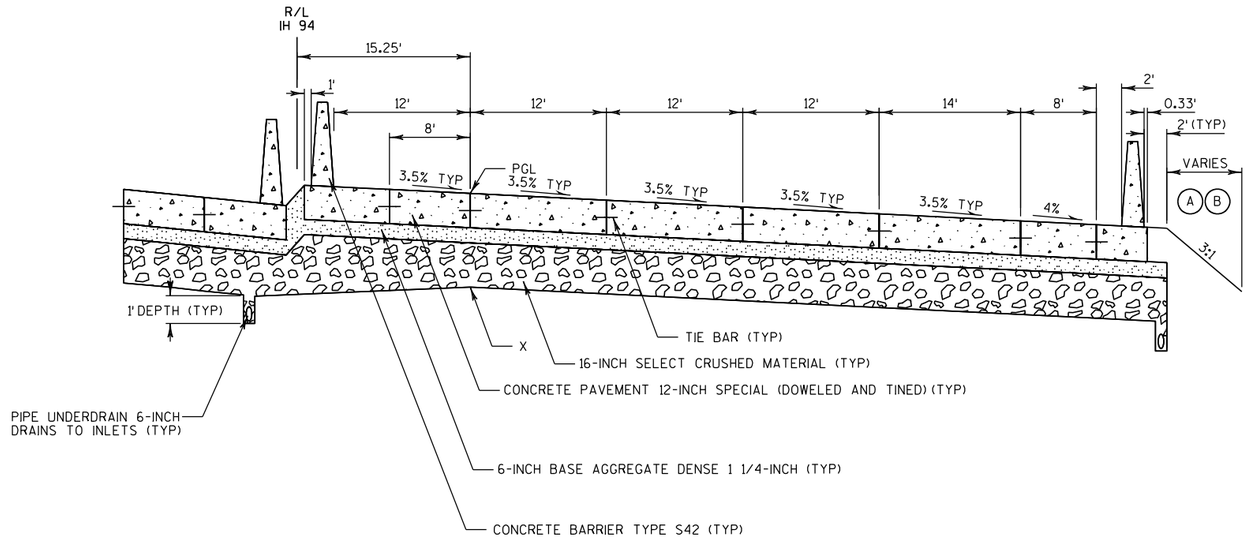
TYPICAL EXISTING SECTION

OAKWOOD ROAD

STA 17KW+00 TO STA 22KW+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET	E

2



NOTES

PGL = POINT REFERRED TO ON PROFILE AND PIVOT POINT FOR SUPERELEVATION

X = POINT REFERRED TO ON CROSS-SECTION

TYPICAL FINISHED SUPERELEVATED SECTION

IH 94 NB

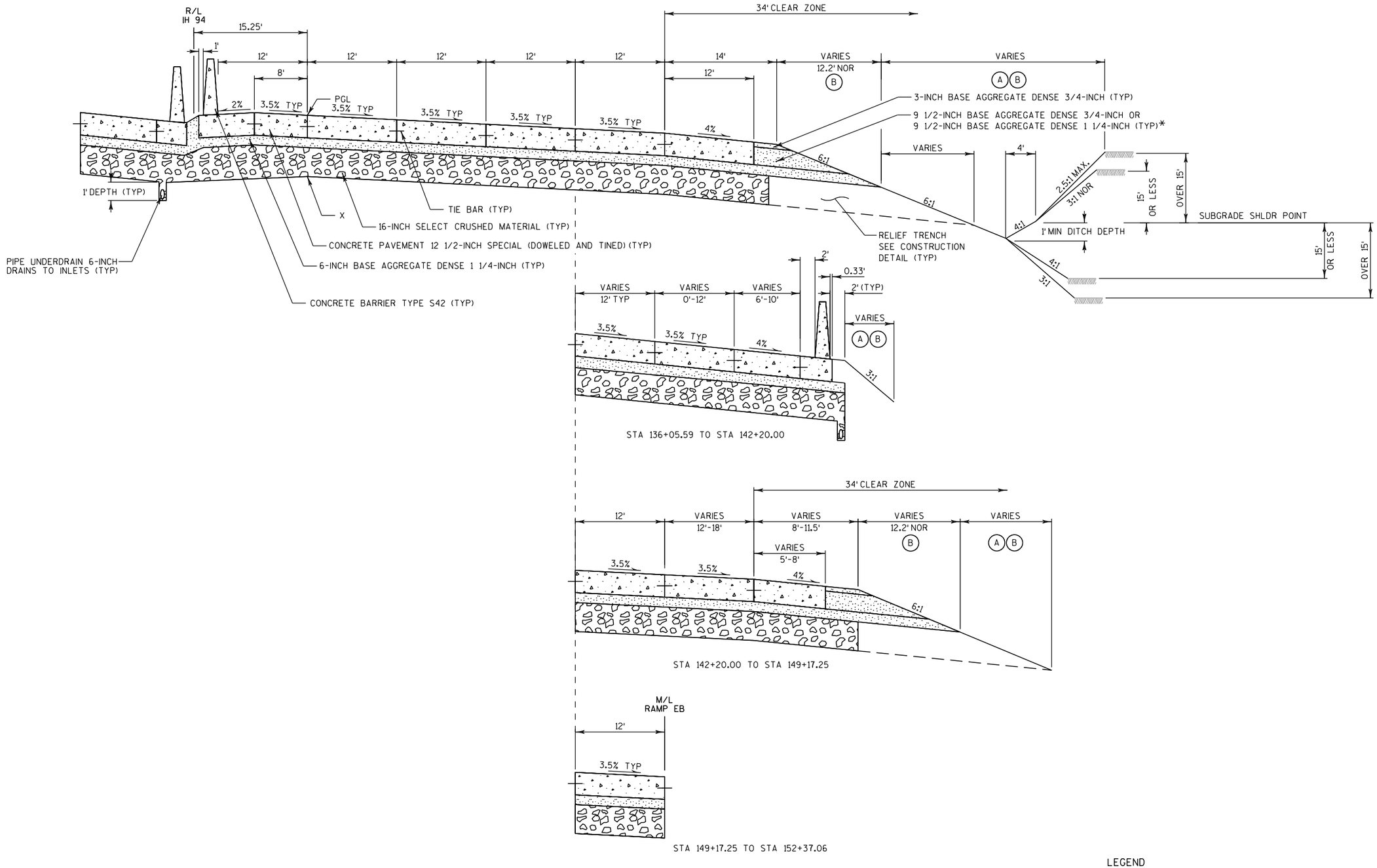
STA 131+34.26 TO STA 133+16.24

LEGEND

(A) 4" SALVAGED TOPSOIL & EROSION MAT CLASS I TYPE B UNLESS WITHIN 20' OF WATER BODY OR WETLANDS, THEN USE 4" SALVAGED TOPSOIL & EROSION MAT URBAN CLASS I TYPE B

(B) SEEDING MIXTURE NO. 30 SPECIAL & FERTILIZER TYPE B SPECIAL UNLESS WITHIN 20' OF WATER BODY OR WETLANDS, THEN USE SEEDING MIXTURE NO. 60 & NO FERTILIZER.

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET	E



NOTES

PGL = POINT REFERRED TO ON PROFILE AND PIVOT POINT FOR SUPERELEVATION

X = POINT REFERRED TO ON CROSS-SECTION

*OPTIONAL 1 1/4" BASE AGGREGATE IN SHOULDER CALCULATED AS 3/4" BASE AGGREGATE

TYPICAL FINISHED SUPERELEVATED SECTION

IH 94 NB

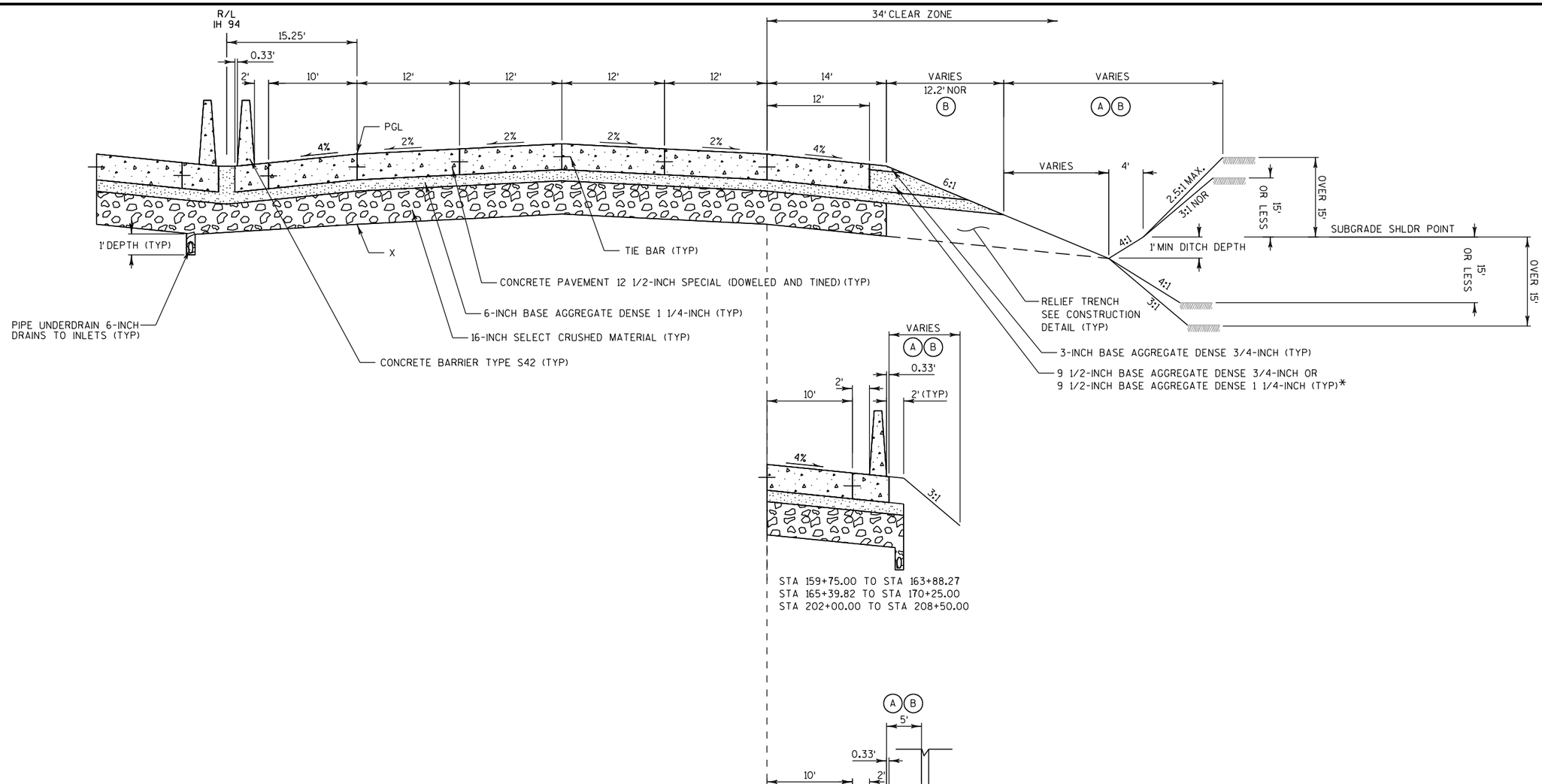
STA 136+05.59 TO STA 153+50.00

LEGEND

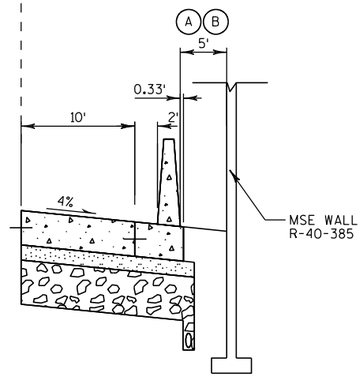
(A) 4" SALVAGED TOPSOIL & EROSION MAT CLASS I TYPE B UNLESS WITHIN 20' OF WATER BODY OR WETLANDS, THEN USE 4" SALVAGED TOPSOIL & EROSION MAT URBAN CLASS I TYPE B

(B) SEEDING MIXTURE NO. 30 SPECIAL & FERTILIZER TYPE B SPECIAL UNLESS WITHIN 20' OF WATER BODY OR WETLANDS, THEN USE SEEDING MIXTURE NO. 60 & NO FERTILIZER.

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET	E



STA 159+75.00 TO STA 163+88.27
STA 165+39.82 TO STA 170+25.00
STA 202+00.00 TO STA 208+50.00



STA 163+88.27 TO STA 165+39.82

TYPICAL FINISHED SECTION

IH 94 NB

STA 153+50.00 TO STA 170+25.00
STA 202+00.00 TO STA 220+00.00

NOTES

PGL = POINT REFERRED TO ON PROFILE AND PIVOT POINT FOR SUPERELEVATION

X = POINT REFERRED TO ON CROSS-SECTION

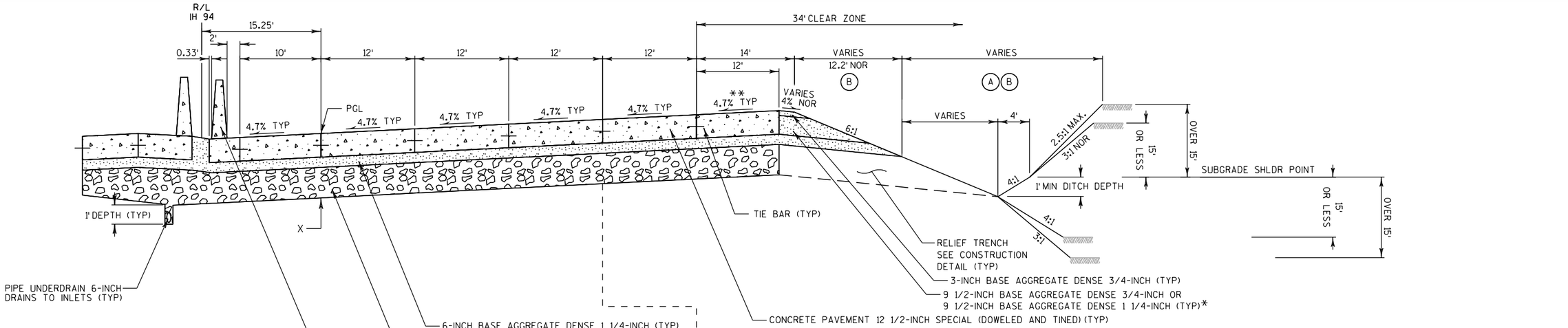
*OPTIONAL 1 1/4" BASE AGGREGATE IN SHOULDER CALCULATED AS 3/4" BASE AGGREGATE

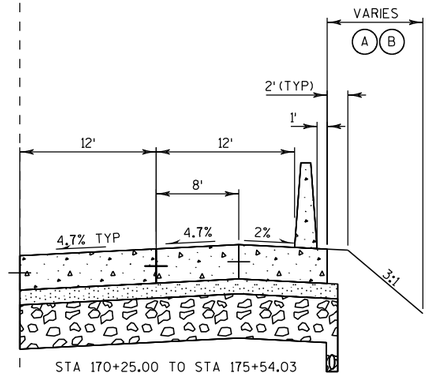
LEGEND

(A) 4" SALVAGED TOPSOIL & EROSION MAT CLASS I TYPE B UNLESS WITHIN 20' OF WATER BODY OR WETLANDS, THEN USE 4" SALVAGED TOPSOIL & EROSION MAT URBAN CLASS I TYPE B

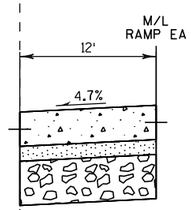
(B) SEEDING MIXTURE NO. 30 SPECIAL & FERTILIZER TYPE B SPECIAL UNLESS WITHIN 20' OF WATER BODY OR WETLANDS, THEN USE SEEDING MIXTURE NO. 60 & NO FERTILIZER.

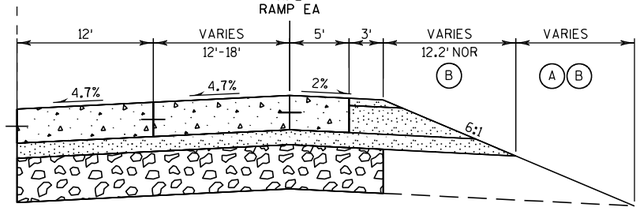
PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET	E



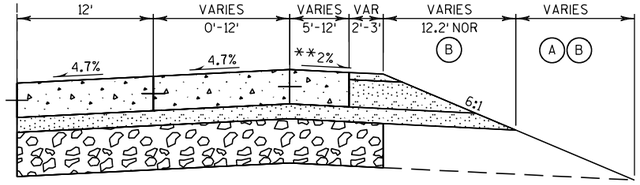


STA 170+25.00 TO STA 175+54.03
STA 196+11.04 TO STA 202+00.00





STA 179+99.71 TO STA 186+00.00



STA 186+00.00 TO STA 189+53.24

NOTES

PGL = POINT REFERRED TO ON PROFILE AND PIVOT POINT FOR SUPERELEVATION

X = POINT REFERRED TO ON CROSS-SECTION

* OPTIONAL 1 1/4" BASE AGGREGATE IN SHOULDER CALCULATED AS 3/4" BASE AGGREGATE

** SHOULDER CROSS SLOPE VARIES -2% TO +4.7%

*** USE EROSION MAT CLASS II TYPE B FROM STA 170+25.00 TO STA 202+00.00

TYPICAL FINISHED SUPERELEVATED SECTION

IH 94 NB

STA 170+25.00 TO STA 194+30.44
STA 196+11.04 TO STA 202+00.00

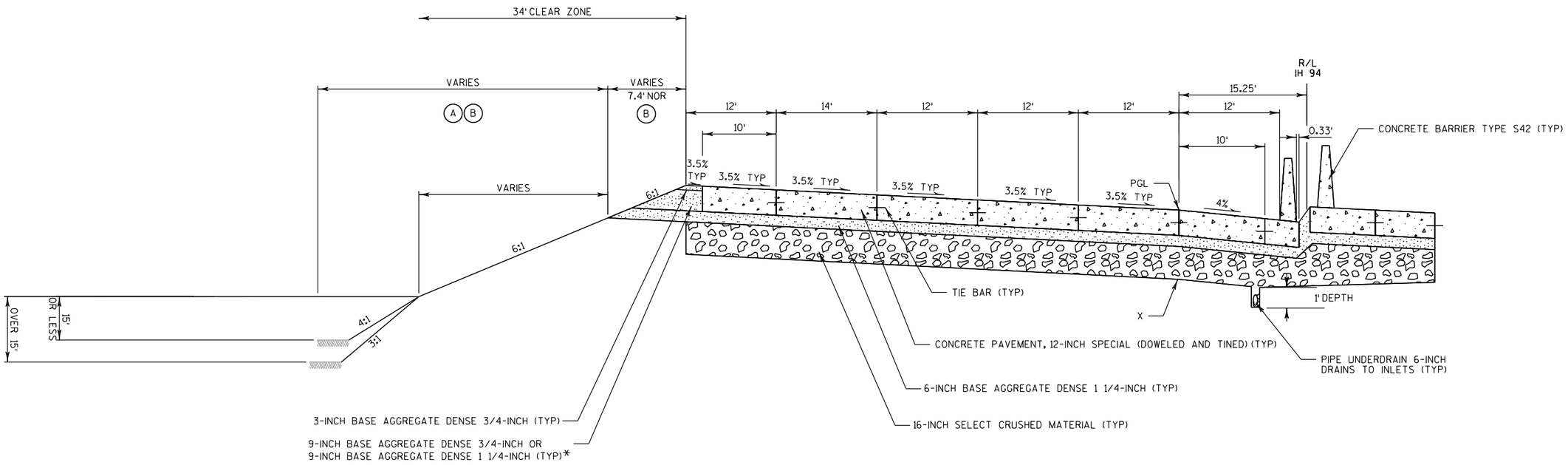
LEGEND

(A) 4" SALVAGED TOPSOIL & EROSION MAT CLASS I TYPE B UNLESS WITHIN 20' OF WATER BODY OR WETLANDS, THEN USE 4" SALVAGED TOPSOIL & EROSION MAT URBAN CLASS I TYPE B

(B) SEEDING MIXTURE NO. 30 SPECIAL & FERTILIZER TYPE B SPECIAL UNLESS WITHIN 20' OF WATER BODY OR WETLANDS, THEN USE SEEDING MIXTURE NO. 60 & NO FERTILIZER.

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET	E

2



TYPICAL FINISHED SUPERELEVATED SECTION

IH 94 SB

STA 131+34.26 TO STA 132+81.95

NOTES

PGL = POINT REFERRED TO ON PROFILE AND PIVOT POINT FOR SUPERELEVATION

X = POINT REFERRED TO ON CROSS-SECTION

*OPTIONAL 1 1/4" BASE AGGREGATE IN SHOULDER CALCULATED AS 3/4" BASE AGGREGATE

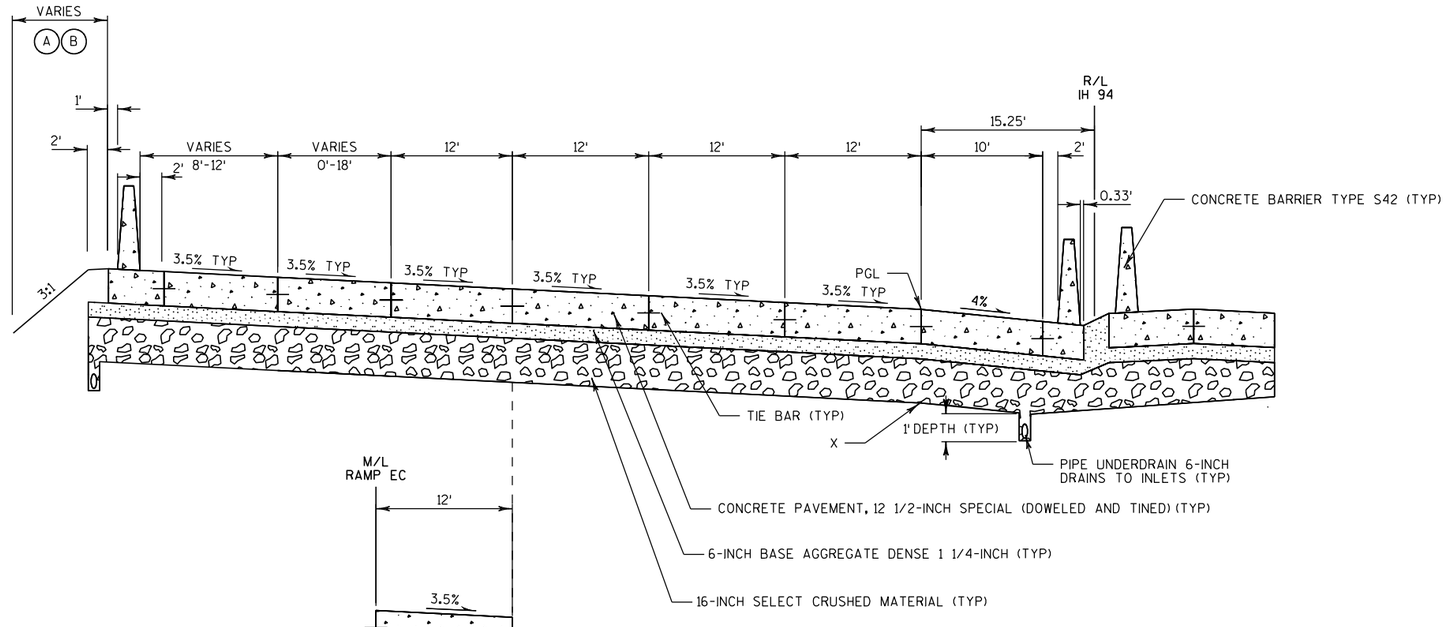
LEGEND

(A) 4" SALVAGED TOPSOIL & EROSION MAT CLASS I TYPE B UNLESS WITHIN 20' OF WATER BODY OR WETLANDS, THEN USE 4" SALVAGED TOPSOIL & EROSION MAT URBAN CLASS I TYPE B

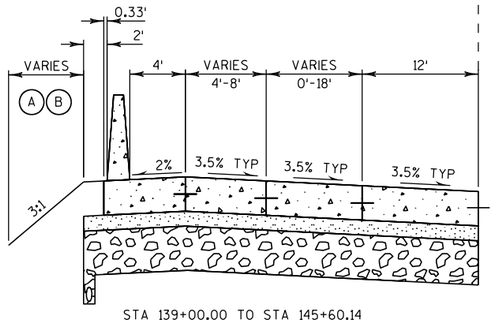
(B) SEEDING MIXTURE NO. 30 SPECIAL & FERTILIZER TYPE B SPECIAL UNLESS WITHIN 20' OF WATER BODY OR WETLANDS, THEN USE SEEDING MIXTURE NO. 60 & NO FERTILIZER.

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET	E

2



STA 145+60.14 TO STA 150+46.68



STA 139+00.00 TO STA 145+60.14
STA 150+46.68 TO STA 153+50.00

TYPICAL FINISHED SUPERELEVATED SECTION

IH 94 SB

STA 135+66.93 TO STA 153+50.00

NOTES

PGL = POINT REFERRED TO ON PROFILE AND PIVOT POINT FOR SUPERELEVATION

X = POINT REFERRED TO ON CROSS-SECTION

*OPTIONAL 1 1/4" BASE AGGREGATE IN SHOULDER CALCULATED AS 3/4" BASE AGGREGATE

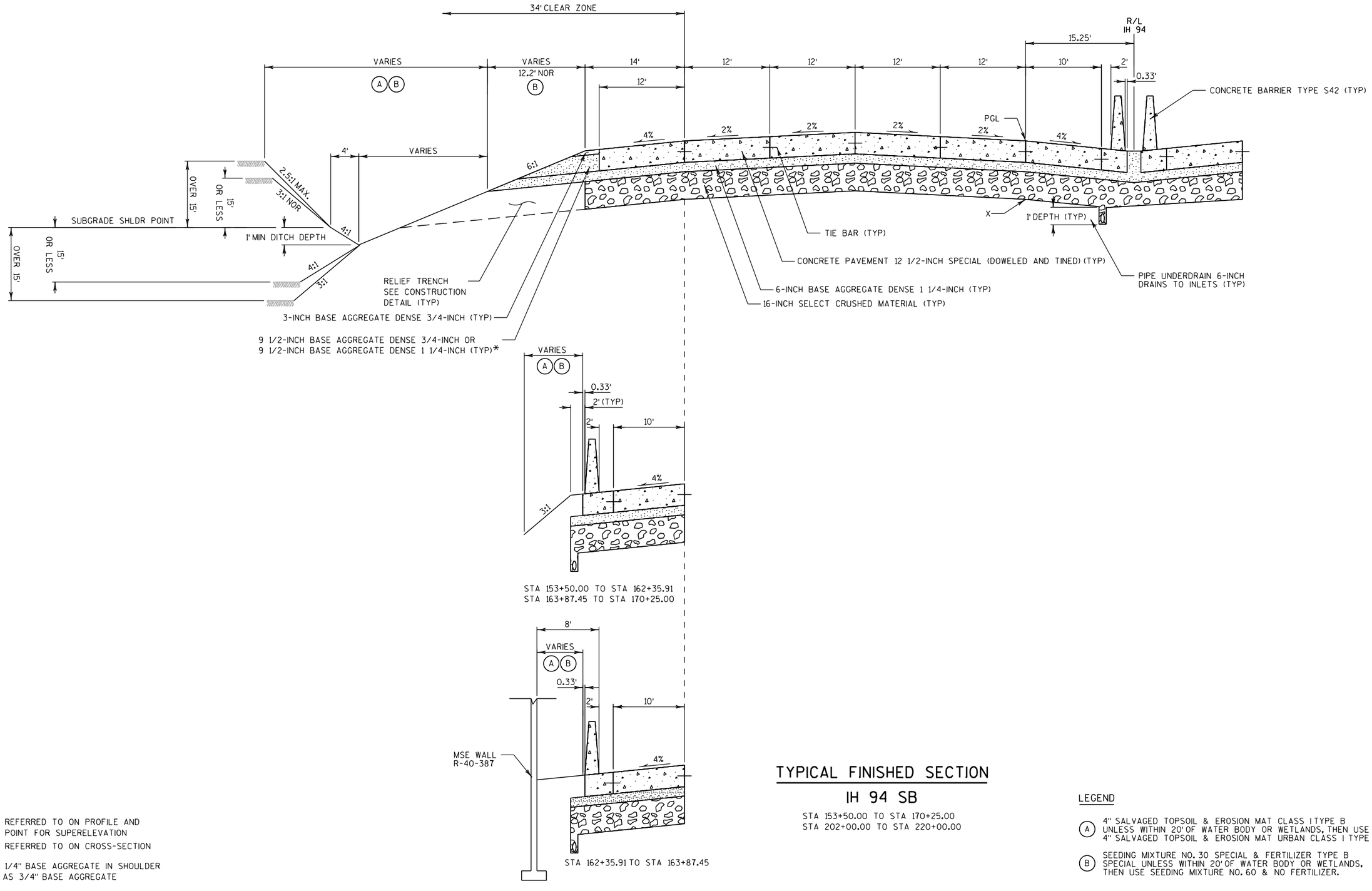
LEGEND

(A) 4" SALVAGED TOPSOIL & EROSION MAT CLASS I TYPE B UNLESS WITHIN 20' OF WATER BODY OR WETLANDS, THEN USE 4" SALVAGED TOPSOIL & EROSION MAT URBAN CLASS I TYPE B

(B) SEEDING MIXTURE NO. 30 SPECIAL & FERTILIZER TYPE B SPECIAL UNLESS WITHIN 20' OF WATER BODY OR WETLANDS, THEN USE SEEDING MIXTURE NO. 60 & NO FERTILIZER.

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET	E

2



TYPICAL FINISHED SECTION

IH 94 SB

STA 153+50.00 TO STA 170+25.00
STA 202+00.00 TO STA 220+00.00

NOTES

PGL = POINT REFERRED TO ON PROFILE AND PIVOT POINT FOR SUPERELEVATION

X = POINT REFERRED TO ON CROSS-SECTION

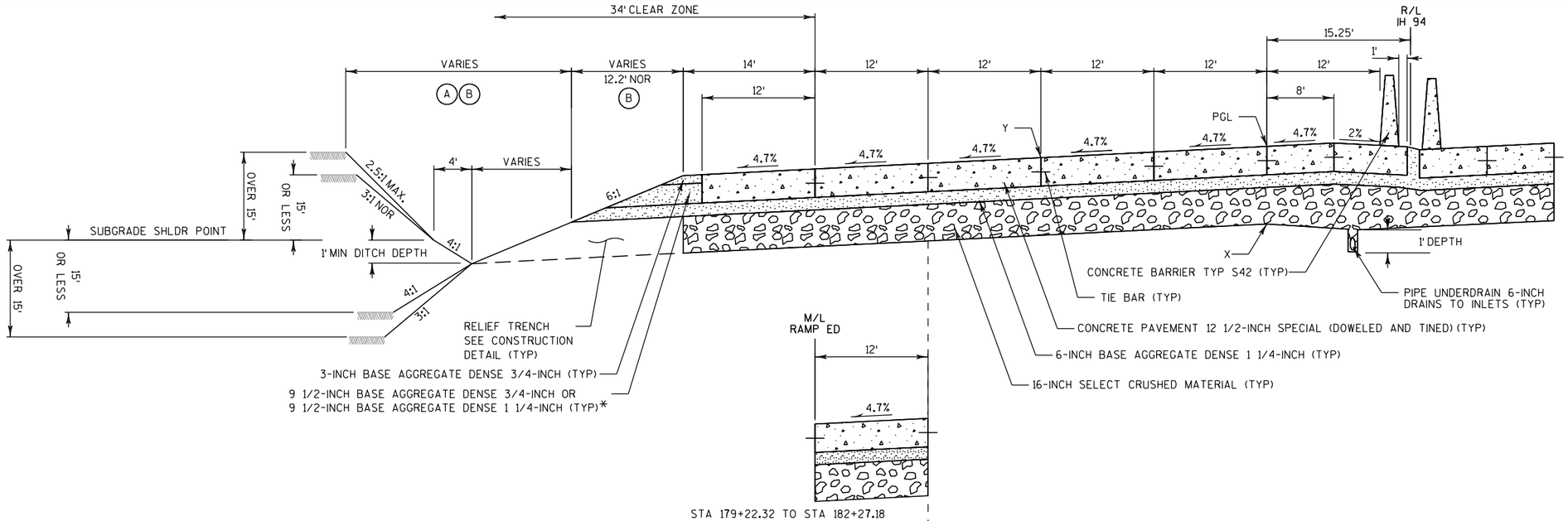
*OPTIONAL 1 1/4" BASE AGGREGATE IN SHOULDER CALCULATED AS 3/4" BASE AGGREGATE

LEGEND

(A) 4" SALVAGED TOPSOIL & EROSION MAT CLASS I TYPE B UNLESS WITHIN 20' OF WATER BODY OR WETLANDS, THEN USE 4" SALVAGED TOPSOIL & EROSION MAT URBAN CLASS I TYPE B

(B) SEEDING MIXTURE NO. 30 SPECIAL & FERTILIZER TYPE B SPECIAL UNLESS WITHIN 20' OF WATER BODY OR WETLANDS, THEN USE SEEDING MIXTURE NO. 60 & NO FERTILIZER.

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET	E



TYPICAL FINISHED SUPERELEVATED SECTION

IH 94 SB

STA 170+25.00 TO STA 202+00.00

NOTES

PGL = POINT REFERRED TO ON PROFILE AND PIVOT POINT FOR SUPERELEVATION

X = POINT REFERRED TO ON CROSS-SECTION

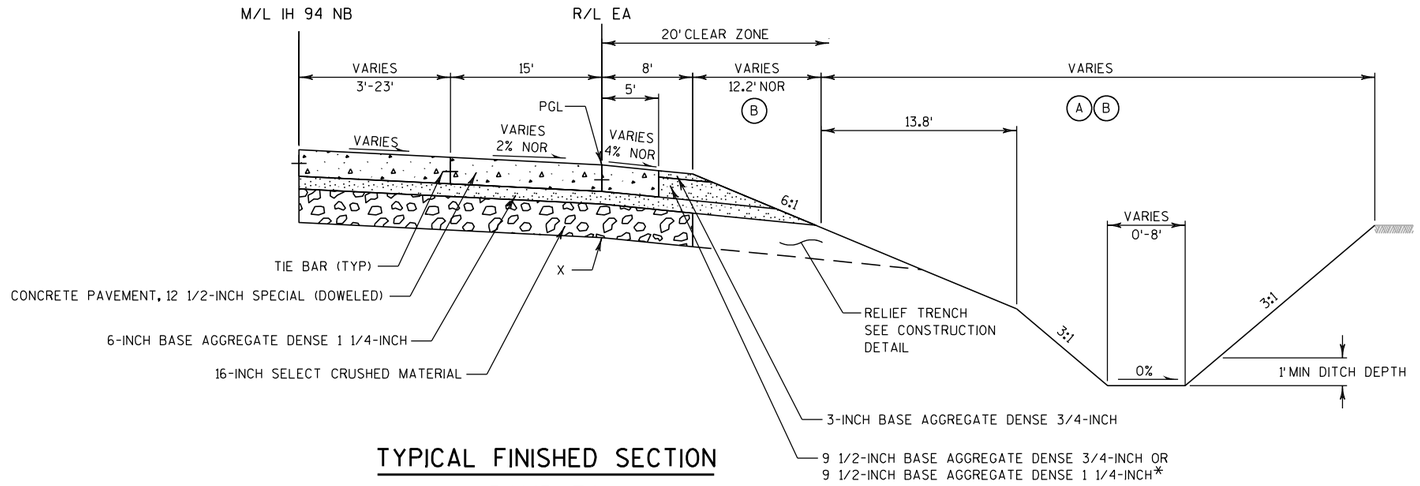
*OPTIONAL 1 1/4" BASE AGGREGATE IN SHOULDER CALCULATED AS 3/4" BASE AGGREGATE

LEGEND

(A) 4" SALVAGED TOPSOIL & EROSION MAT CLASS I TYPE B UNLESS WITHIN 20' OF WATER BODY OR WETLANDS, THEN USE 4" SALVAGED TOPSOIL & EROSION MAT URBAN CLASS I TYPE B

(B) SEEDING MIXTURE NO. 30 SPECIAL & FERTILIZER TYPE B SPECIAL UNLESS WITHIN 20' OF WATER BODY OR WETLANDS, THEN USE SEEDING MIXTURE NO. 60 & NO FERTILIZER.

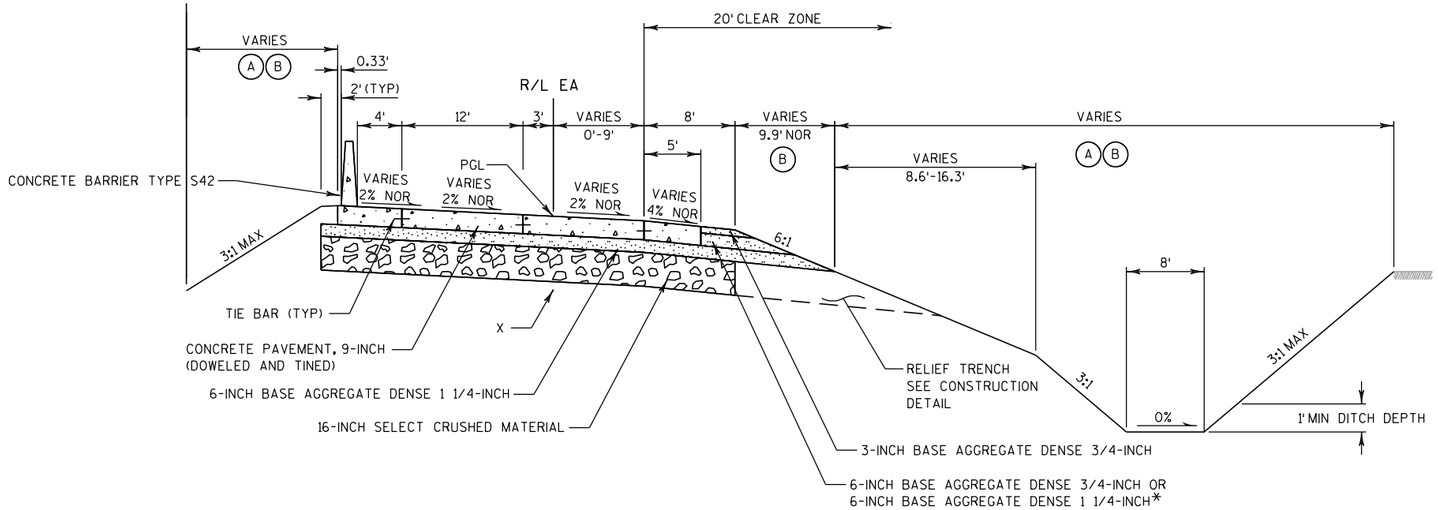
PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET	E



TYPICAL FINISHED SECTION

RAMP EA

STA 175EA+27.55 TO STA 179EA+84.32



TYPICAL FINISHED SECTION

RAMP EA

STA 166EA+10.00 TO STA 175EA+27.55

NOTES

PGL = POINT REFERRED TO ON PROFILE AND PIVOT POINT FOR SUPERELEVATION

X = POINT REFERRED TO ON CROSS-SECTION

*OPTIONAL 1 1/4" BASE AGGREGATE IN SHOULDER CALCULATED AS 3/4" BASE AGGREGATE

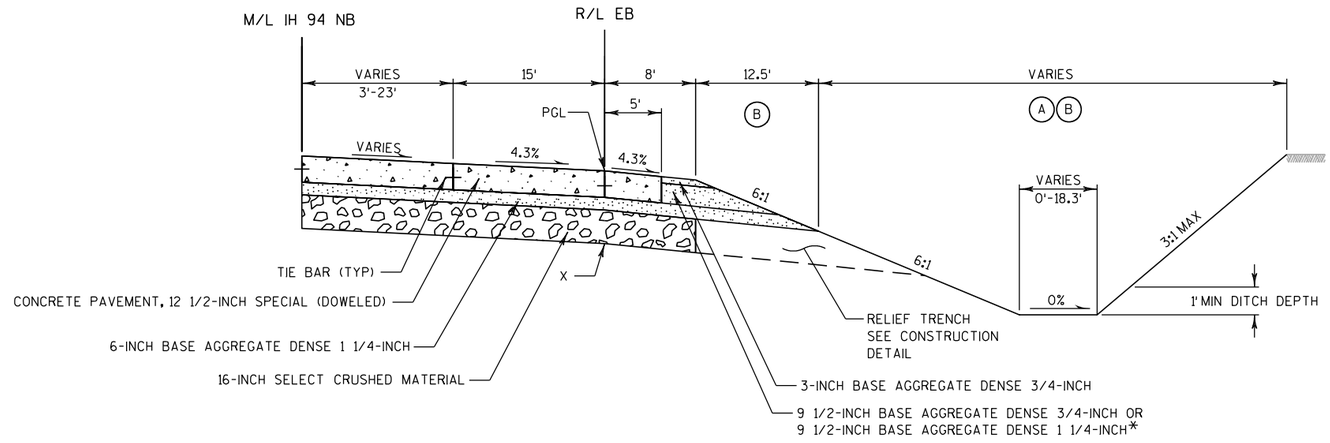
LEGEND

(A) 4" SALVAGED TOPSOIL & EROSION MAT CLASS I TYPE B UNLESS WITHIN 20' OF WATER BODY OR WETLANDS, THEN USE 4" SALVAGED TOPSOIL & EROSION MAT URBAN CLASS I TYPE B

(B) SEEDING MIXTURE NO. 30 SPECIAL & FERTILIZER TYPE B SPECIAL UNLESS WITHIN 20' OF WATER BODY OR WETLANDS, THEN USE SEEDING MIXTURE NO. 60 & NO FERTILIZER.

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET	E

2



TYPICAL FINISHED SECTION

RAMP EB

STA 149EB+12.57 TO STA 152EB+27.62

NOTES

PGL = POINT REFERRED TO ON PROFILE AND PIVOT POINT FOR SUPERELEVATION

X = POINT REFERRED TO ON CROSS-SECTION

*OPTIONAL 1 1/4" BASE AGGREGATE IN SHOULDER CALCULATED AS 3/4" BASE AGGREGATE

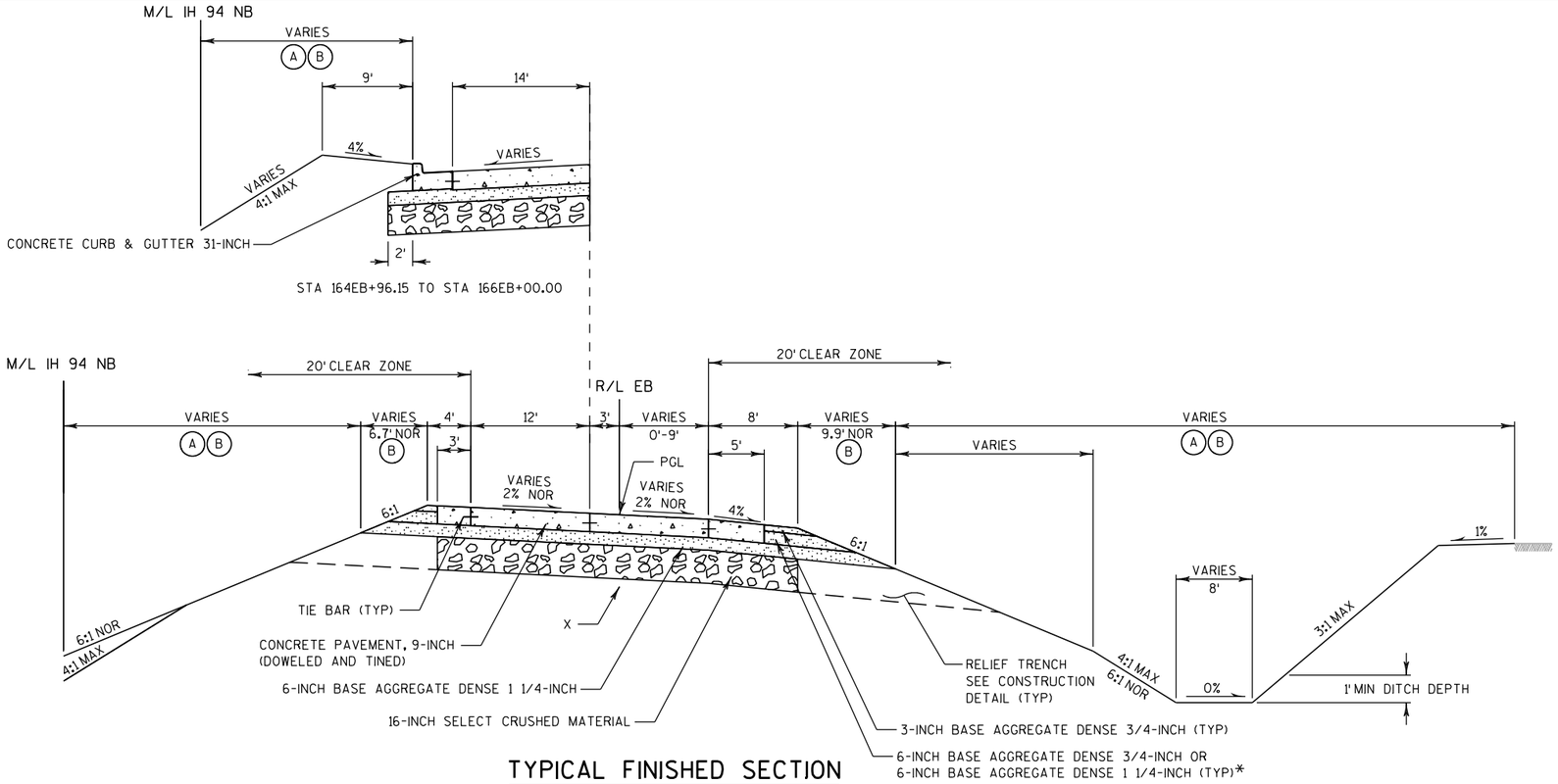
LEGEND

(A) 4" SALVAGED TOPSOIL & EROSION MAT CLASS I TYPE B UNLESS WITHIN 20' OF WATER BODY OR WETLANDS, THEN USE 4" SALVAGED TOPSOIL & EROSION MAT URBAN CLASS I TYPE B

(B) SEEDING MIXTURE NO. 30 SPECIAL & FERTILIZER TYPE B SPECIAL UNLESS WITHIN 20' OF WATER BODY OR WETLANDS, THEN USE SEEDING MIXTURE NO. 60 & NO FERTILIZER.

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET	E

2

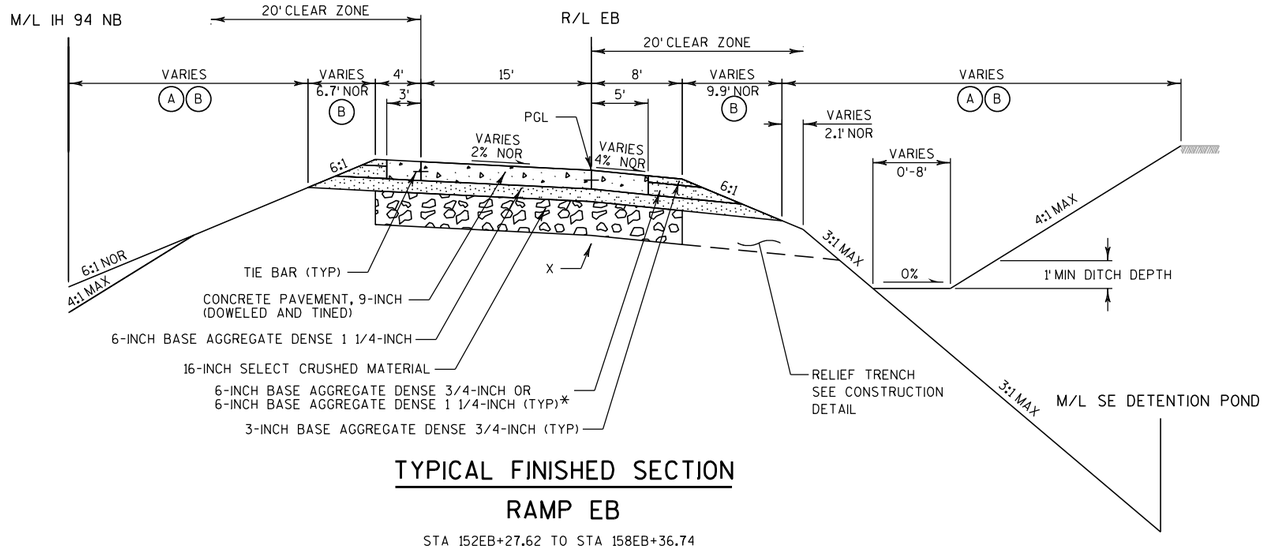


STA 164EB+96.15 TO STA 166EB+00.00

TYPICAL FINISHED SECTION

RAMP EB

STA 158EB+36.74 TO STA 166EB+00.00



TYPICAL FINISHED SECTION

RAMP EB

STA 152EB+27.62 TO STA 158EB+36.74

NOTES

PGL = POINT REFERRED TO ON PROFILE AND PIVOT POINT FOR SUPERELEVATION

X = POINT REFERRED TO ON CROSS-SECTION

*OPTIONAL 1 1/4" BASE AGGREGATE IN SHOULDER CALCULATED AS 3/4" BASE AGGREGATE

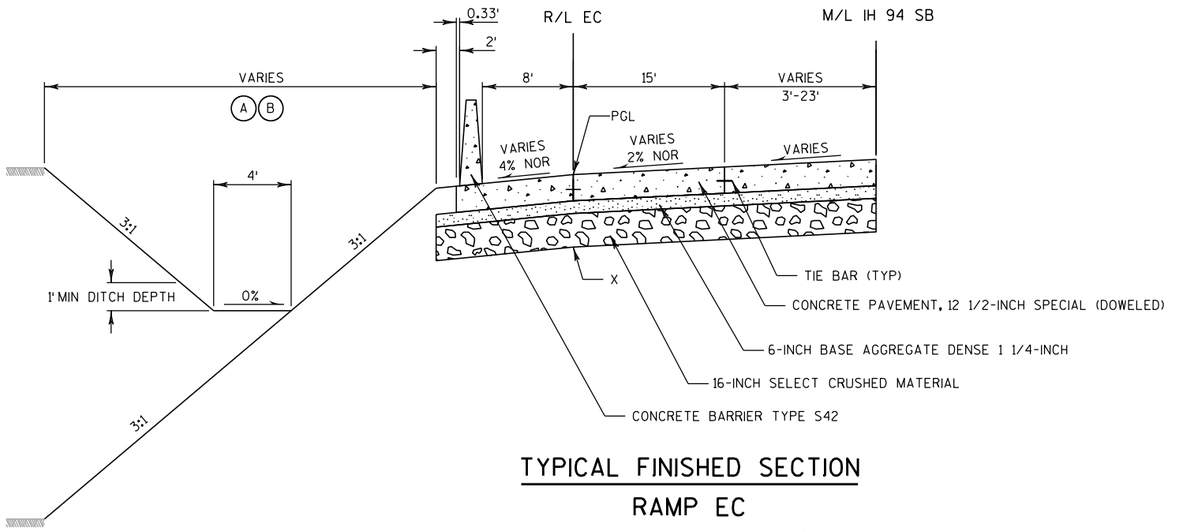
LEGEND

(A) 4" SALVAGED TOPSOIL & EROSION MAT CLASS I TYPE B UNLESS WITHIN 20' OF WATER BODY OR WETLANDS, THEN USE 4" SALVAGED TOPSOIL & EROSION MAT URBAN CLASS I TYPE B

(B) SEEDING MIXTURE NO. 30 SPECIAL & FERTILIZER TYPE B SPECIAL UNLESS WITHIN 20' OF WATER BODY OR WETLANDS, THEN USE SEEDING MIXTURE NO. 60 & NO FERTILIZER.

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET	E

2



TYPICAL FINISHED SECTION

RAMP EC

STA 145EC+64.16 TO STA 150EC+58.14

NOTES

PGL = POINT REFERRED TO ON PROFILE AND PIVOT POINT FOR SUPERELEVATION

X = POINT REFERRED TO ON CROSS-SECTION

*OPTIONAL 1 1/4" BASE AGGREGATE IN SHOULDER CALCULATED AS 3/4" BASE AGGREGATE

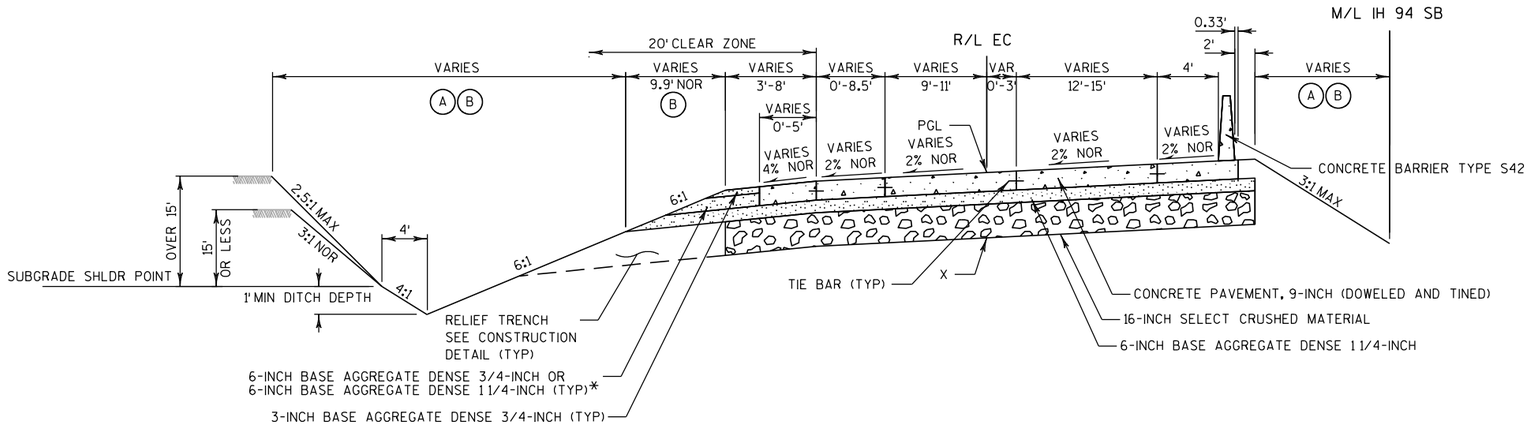
LEGEND

(A) 4" SALVAGED TOPSOIL & EROSION MAT CLASS I TYPE B UNLESS WITHIN 20' OF WATER BODY OR WETLANDS, THEN USE 4" SALVAGED TOPSOIL & EROSION MAT URBAN CLASS I TYPE B

(B) SEEDING MIXTURE NO. 30 SPECIAL & FERTILIZER TYPE B SPECIAL UNLESS WITHIN 20' OF WATER BODY OR WETLANDS, THEN USE SEEDING MIXTURE NO. 60 & NO FERTILIZER.

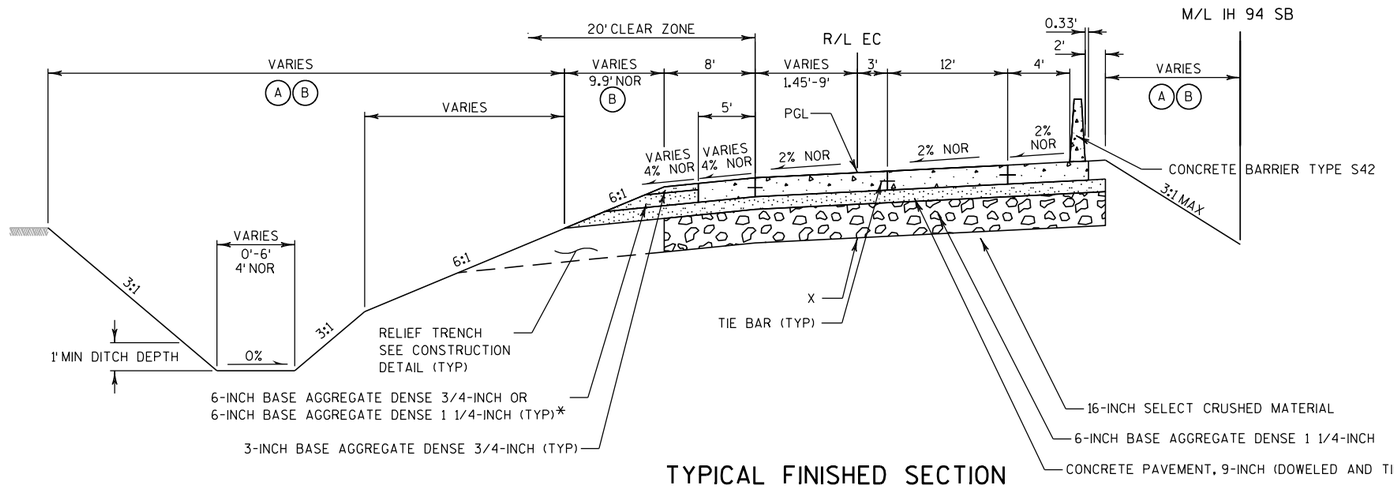
PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET	E

2



TYPICAL FINISHED SECTION
RAMP EC

STA 158EC+60.65 TO STA 160EC+11.06



TYPICAL FINISHED SECTION
RAMP EC

STA 150EC+58.14 TO STA 158EC+60.65

NOTES

PGL = POINT REFERRED TO ON PROFILE AND PIVOT POINT FOR SUPERELEVATION

X = POINT REFERRED TO ON CROSS-SECTION

*OPTIONAL 1 1/4" BASE AGGREGATE IN SHOULDER CALCULATED AS 3/4" BASE AGGREGATE

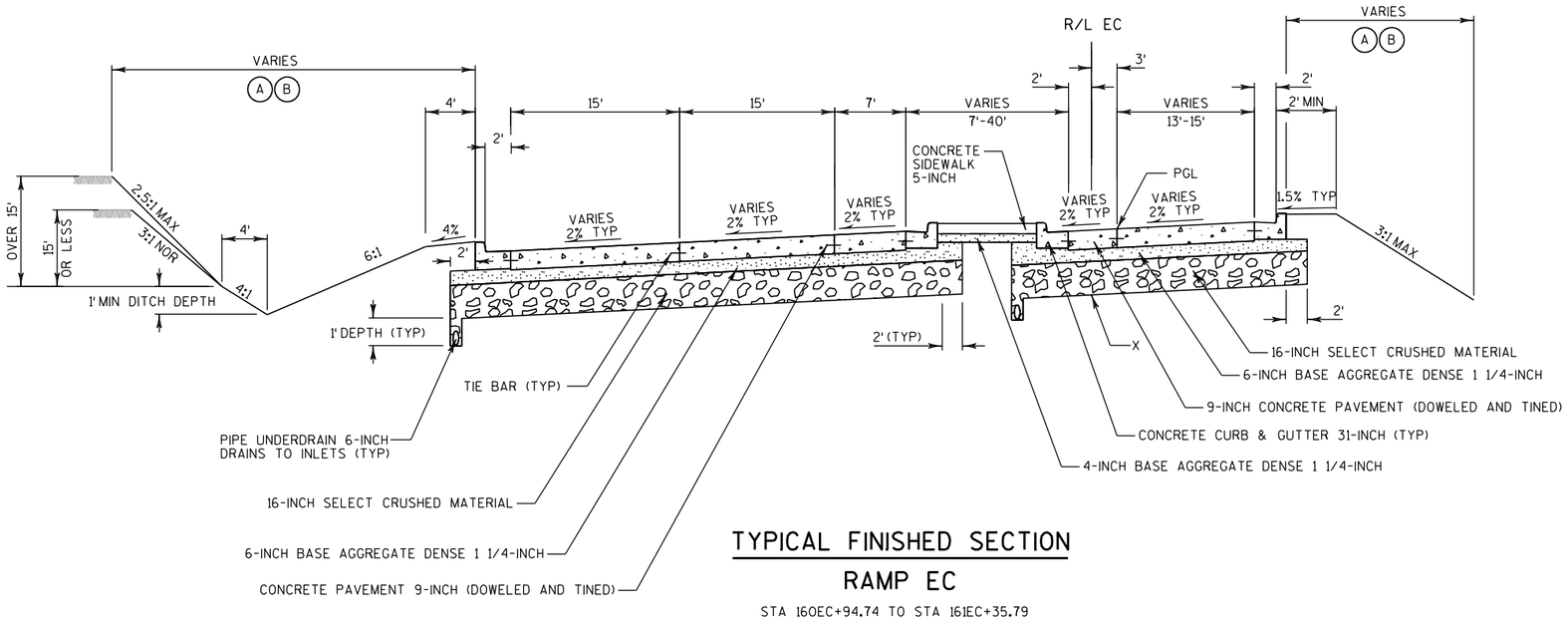
LEGEND

(A) 4" SALVAGED TOPSOIL & EROSION MAT CLASS I TYPE B UNLESS WITHIN 20' OF WATER BODY OR WETLANDS, THEN USE 4" SALVAGED TOPSOIL & EROSION MAT URBAN CLASS I TYPE B

(B) SEEDING MIXTURE NO. 30 SPECIAL & FERTILIZER TYPE B SPECIAL UNLESS WITHIN 20' OF WATER BODY OR WETLANDS, THEN USE SEEDING MIXTURE NO. 60 & NO FERTILIZER.

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET	E

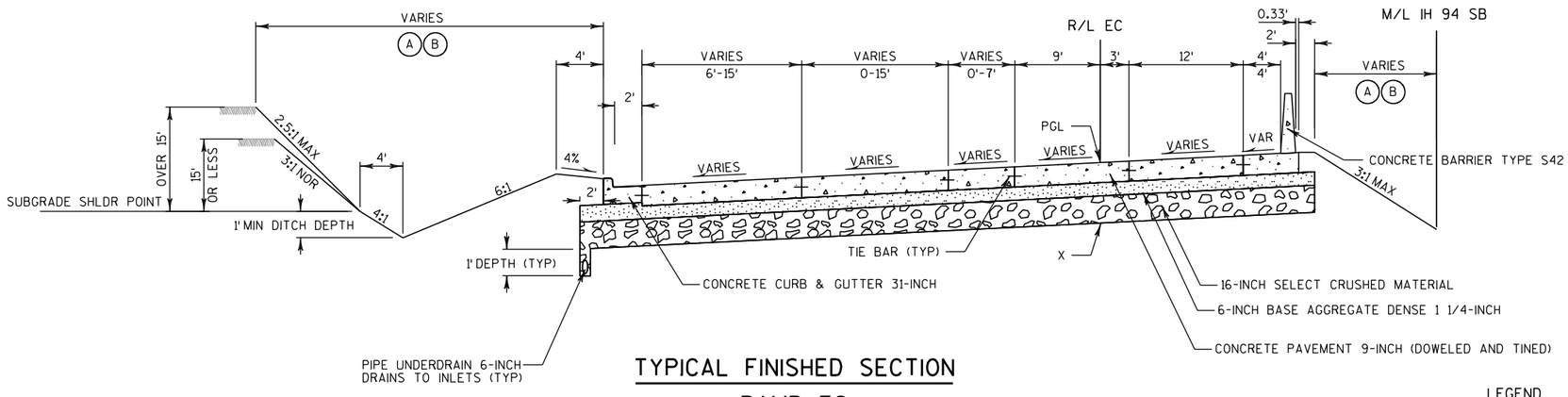
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TYPICAL FINISHED SECTION

RAMP EC

STA 160EC+94.74 TO STA 161EC+35.79



TYPICAL FINISHED SECTION

RAMP EC

STA 160EC+11.06 TO STA 160EC+94.74

NOTES

PGL = POINT REFERRED TO ON PROFILE AND PIVOT POINT FOR SUPERELEVATION

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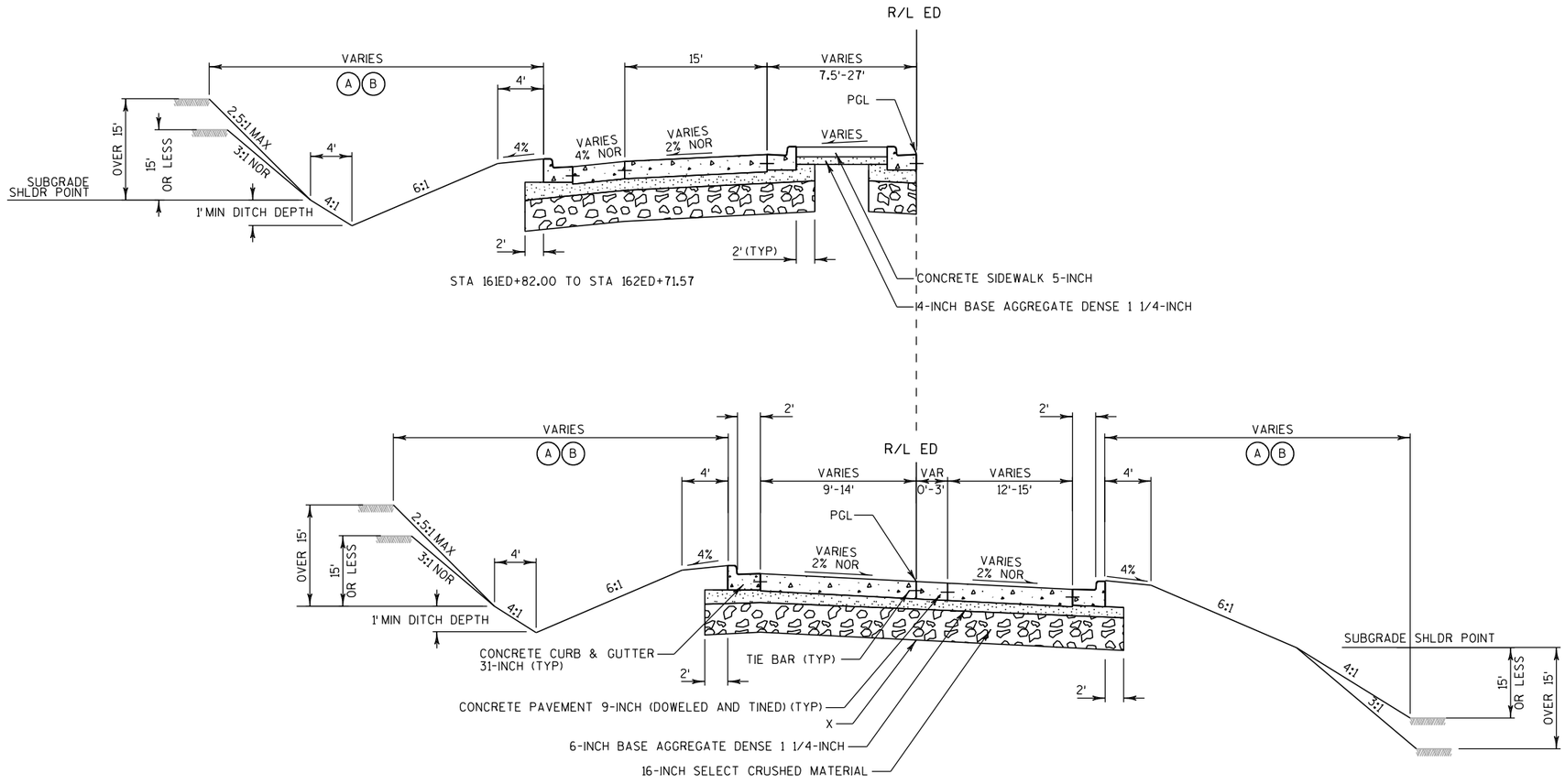
LEGEND

(A) 4" SALVAGED TOPSOIL & EROSION MAT CLASS I TYPE B UNLESS WITHIN 20' OF WATER BODY OR WETLANDS, THEN USE 4" SALVAGED TOPSOIL & EROSION MAT URBAN CLASS I TYPE B

(B) SEEDING MIXTURE NO. 30 SPECIAL & FERTILIZER TYPE B SPECIAL UNLESS WITHIN 20' OF WATER BODY OR WETLANDS, THEN USE SEEDING MIXTURE NO. 60 & NO FERTILIZER.

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET	E

2



STA 161ED+82.00 TO STA 162ED+71.57

TYPICAL FINISHED SECTION

RAMP ED

STA 161ED+82.00 TO STA 163ED+86.47

NOTES

PGL = POINT REFERRED TO ON PROFILE AND PIVOT POINT FOR SUPERELEVATION

X = POINT REFERRED TO ON CROSS-SECTION

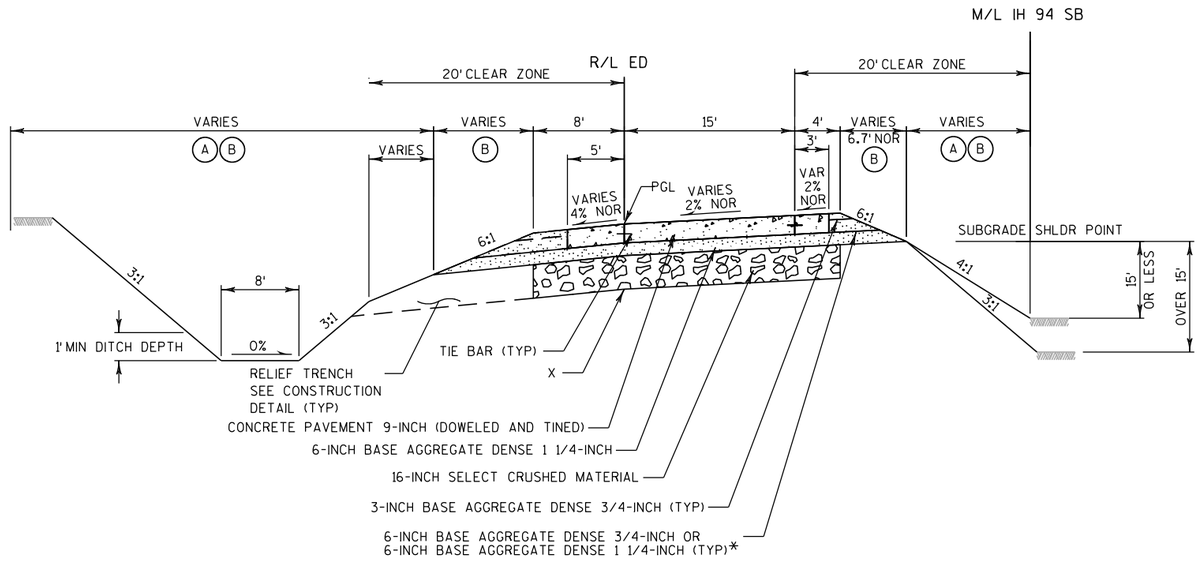
*OPTIONAL 1 1/4" BASE AGGREGATE IN SHOULDER CALCULATED AS 3/4" BASE AGGREGATE

LEGEND

(A) 4" SALVAGED TOPSOIL & EROSION MAT CLASS I TYPE B UNLESS WITHIN 20' OF WATER BODY OR WETLANDS, THEN USE 4" SALVAGED TOPSOIL & EROSION MAT URBAN CLASS I TYPE B

(B) SEEDING MIXTURE NO. 30 SPECIAL & FERTILIZER TYPE B SPECIAL UNLESS WITHIN 20' OF WATER BODY OR WETLANDS, THEN USE SEEDING MIXTURE NO. 60 & NO FERTILIZER.

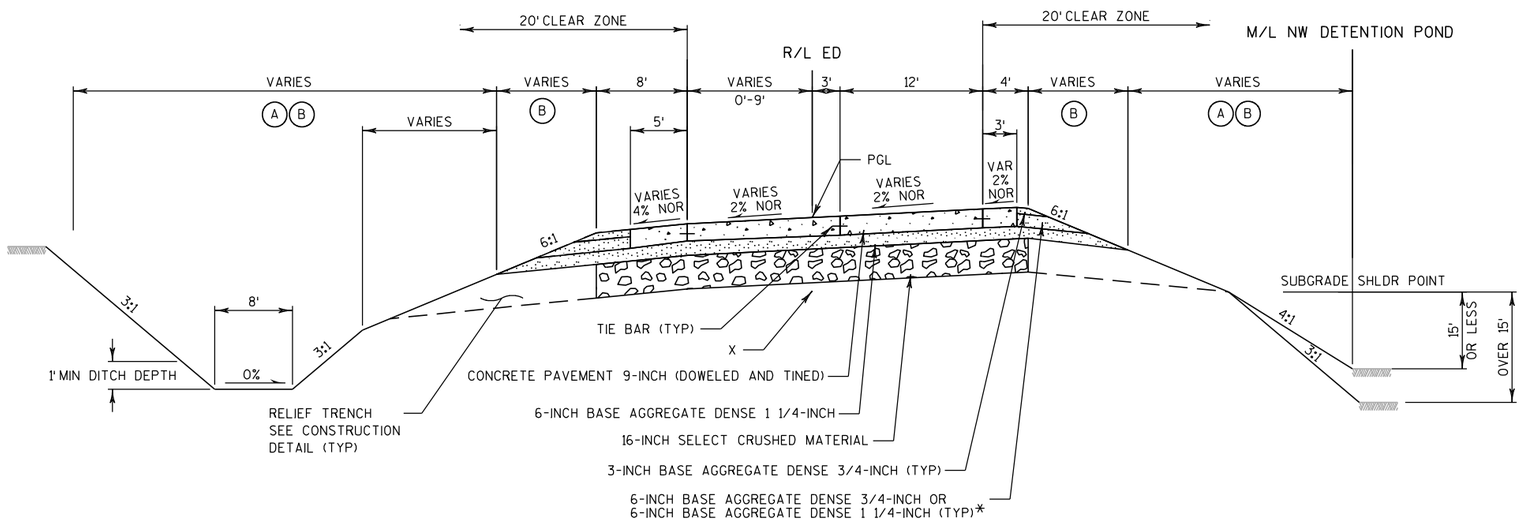
PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET	E



TYPICAL FINISHED SECTION

RAMP ED

STA 170ED+09.35 TO STA 179ED+36.45



TYPICAL FINISHED SECTION

RAMP ED

STA 163ED+86.47 TO STA 170ED+09.35

NOTES

PGL = POINT REFERRED TO ON PROFILE AND PIVOT POINT FOR SUPERELEVATION

X = POINT REFERRED TO ON CROSS-SECTION

*OPTIONAL 1 1/4" BASE AGGREGATE IN SHOULDER CALCULATED AS 3/4" BASE AGGREGATE

LEGEND

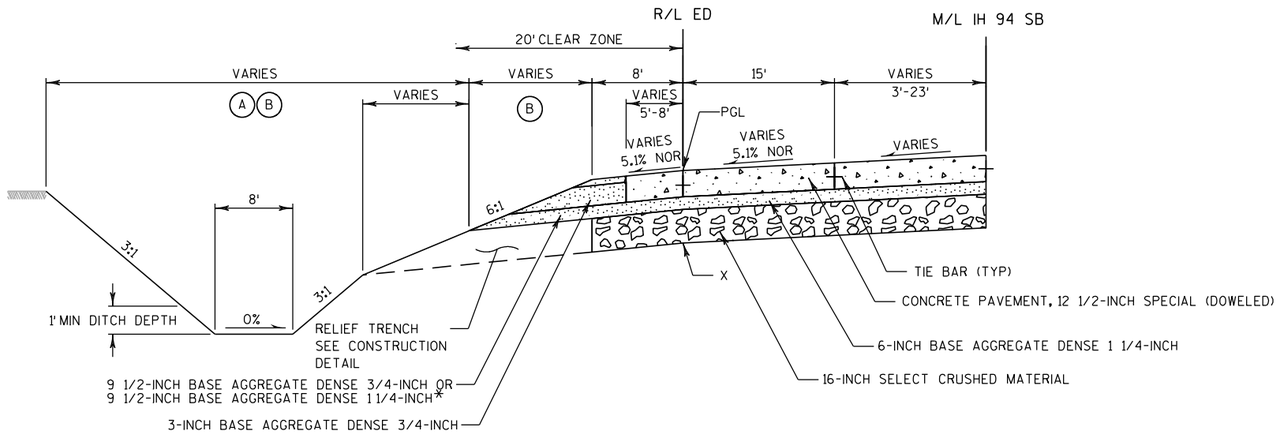
(A) 4" SALVAGED TOPSOIL & EROSION MAT CLASS I TYPE B UNLESS WITHIN 20' OF WATER BODY OR WETLANDS, THEN USE 4" SALVAGED TOPSOIL & EROSION MAT URBAN CLASS I TYPE B

(B) SEEDING MIXTURE NO. 30 SPECIAL & FERTILIZER TYPE B SPECIAL UNLESS WITHIN 20' OF WATER BODY OR WETLANDS, THEN USE SEEDING MIXTURE NO. 60 & NO FERTILIZER.

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\020403_ts_ramps.dgn PLOT DATE : 11-JUL-2018 21:37 PLOT BY : MSCD1S PLOT NAME : 020403_ts_ramps7 PLOT SCALE : 15:1

2



TYPICAL FINISHED SECTION

RAMP ED

STA 179ED+36.45 TO STA 182ED+33.61

NOTES

PGL = POINT REFERRED TO ON PROFILE AND PIVOT POINT FOR SUPERELEVATION

X = POINT REFERRED TO ON CROSS-SECTION

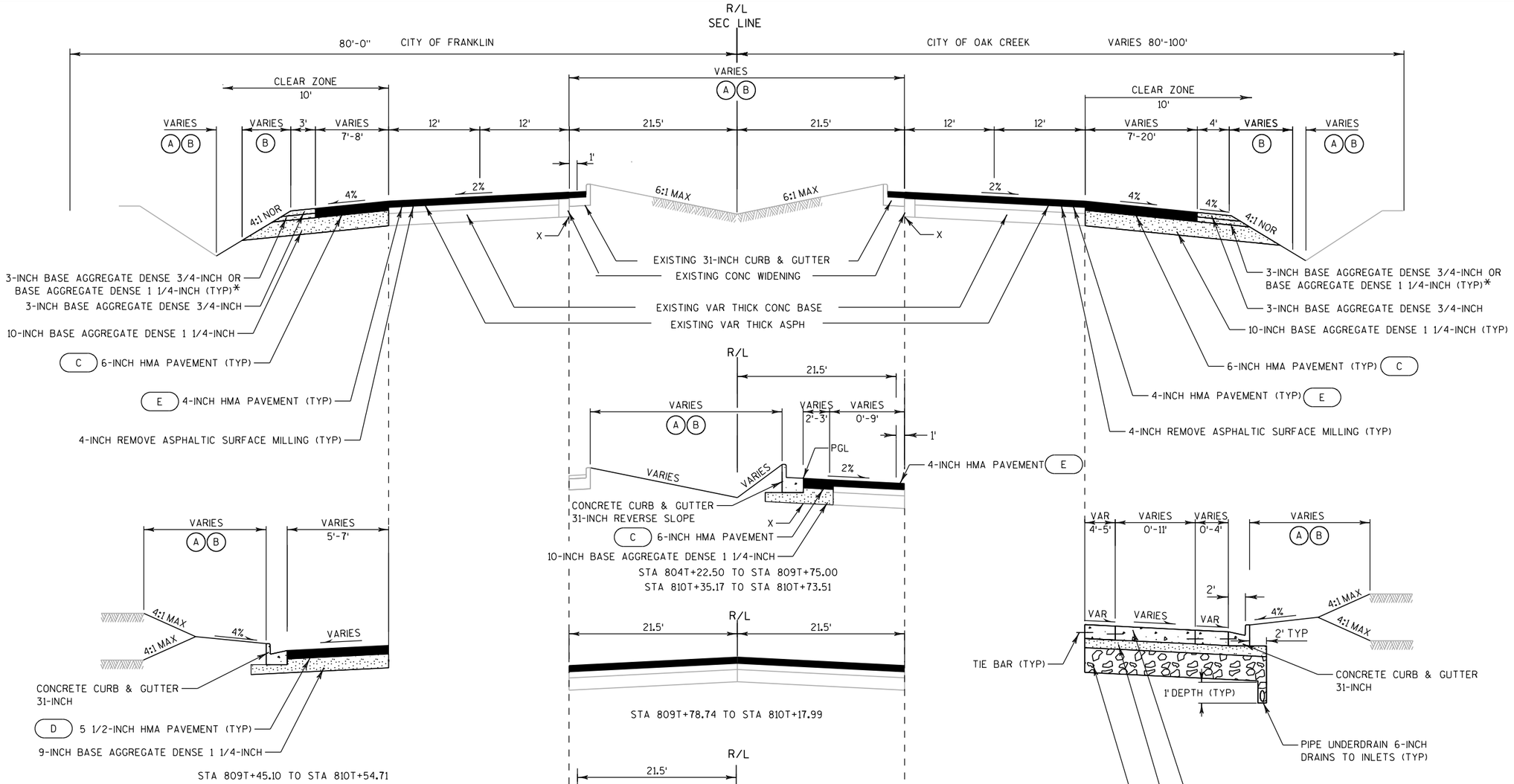
*OPTIONAL 1 1/4" BASE AGGREGATE IN SHOULDER CALCULATED AS 3/4" BASE AGGREGATE

LEGEND

(A) 4" SALVAGED TOPSOIL & EROSION MAT CLASS I TYPE B UNLESS WITHIN 20' OF WATER BODY OR WETLANDS, THEN USE 4" SALVAGED TOPSOIL & EROSION MAT URBAN CLASS I TYPE B

(B) SEEDING MIXTURE NO. 30 SPECIAL & FERTILIZER TYPE B SPECIAL UNLESS WITHIN 20' OF WATER BODY OR WETLANDS, THEN USE SEEDING MIXTURE NO. 60 & NO FERTILIZER.

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET	E



TYPICAL FINISHED SECTION

SOUTH 27TH STREET/STH 241

STA 808T+95.00 TO STA 815T+16.50 NB
STA 804T+00.00 TO STA 815T+90.95 SB

NOTES

PGL = POINT REFERRED TO ON PROFILE AND PIVOT POINT FOR SUPERELEVATION
X = POINT REFERRED TO ON CROSS-SECTION

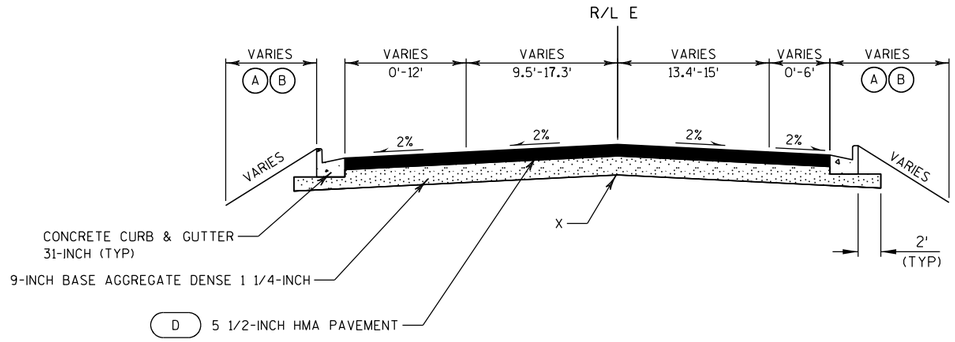
*OPTIONAL BASE AGGREGATE DENSE 1 1/4-INCH IN SHOULDER CALCULATED AS 3/4" BASE AGGREGATE

LEGEND

(A) 4" SALVAGED TOPSOIL & EROSION MAT CLASS I TYPE B UNLESS WITHIN 20' OF WATER BODY OR WETLANDS, THEN USE 4" SALVAGED TOPSOIL & EROSION MAT URBAN CLASS I TYPE B

(B) SEEDING MIXTURE NO. 30 SPECIAL & FERTILIZER TYPE B SPECIAL UNLESS WITHIN 20' OF WATER BODY OR WETLANDS, THEN USE SEEDING MIXTURE NO. 60 & NO FERTILIZER.

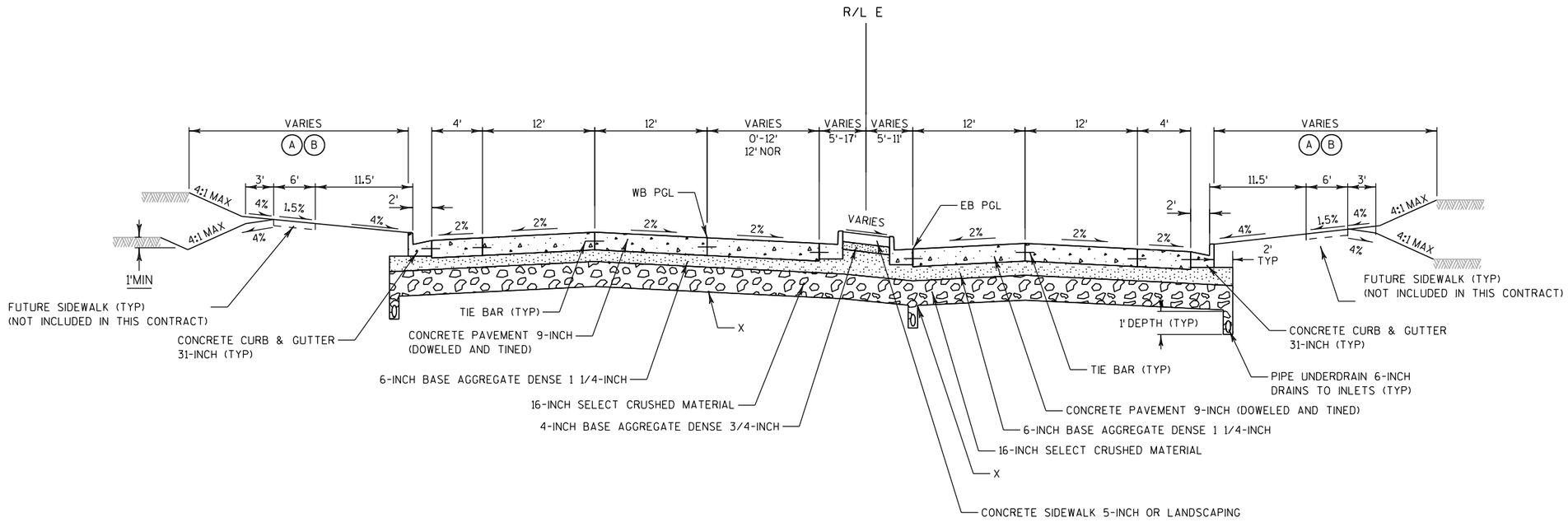
PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET	E



TYPICAL FINISHED SECTION

ELM ROAD

STA 8E+50.00 TO STA 9E+54.49



TYPICAL FINISHED SECTION

ELM ROAD

STA 10E+49.49 TO STA 15E+50.00

NOTES

PGL = POINT REFERRED TO ON PROFILE AND PIVOT POINT FOR SUPERELEVATION

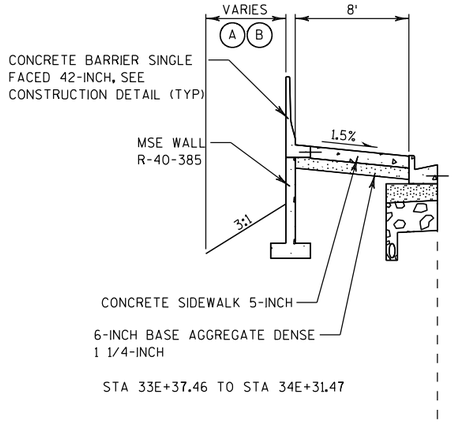
X = POINT REFERRED TO ON CROSS-SECTION

LEGEND

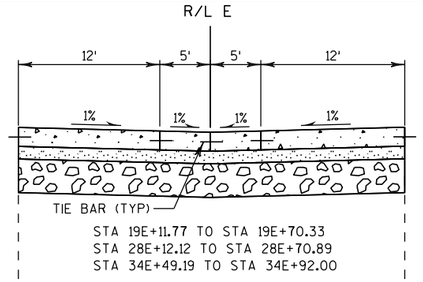
(A) 4" SALVAGED TOPSOIL & EROSION MAT CLASS I TYPE B UNLESS WITHIN 20' OF WATER BODY OR WETLANDS, THEN USE 4" SALVAGED TOPSOIL & EROSION MAT URBAN CLASS I TYPE B

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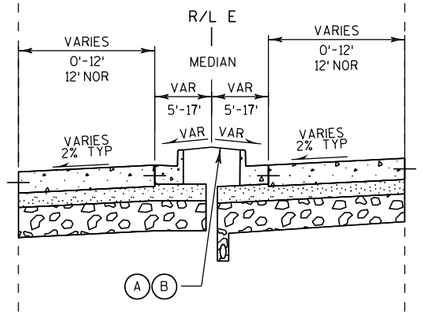
PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET	E



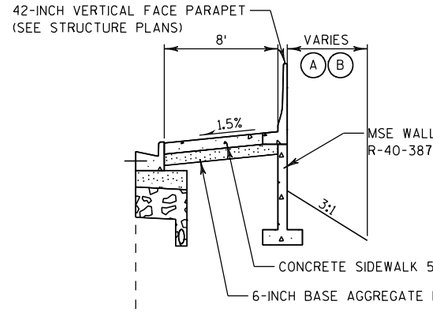
STA 33E+37.46 TO STA 34E+31.47



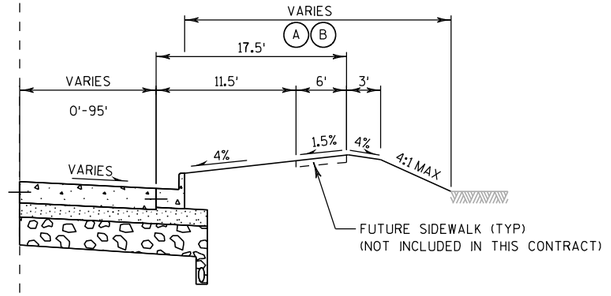
STA 19E+11.77 TO STA 19E+70.33
STA 28E+12.12 TO STA 28E+70.89
STA 34E+49.19 TO STA 34E+92.00



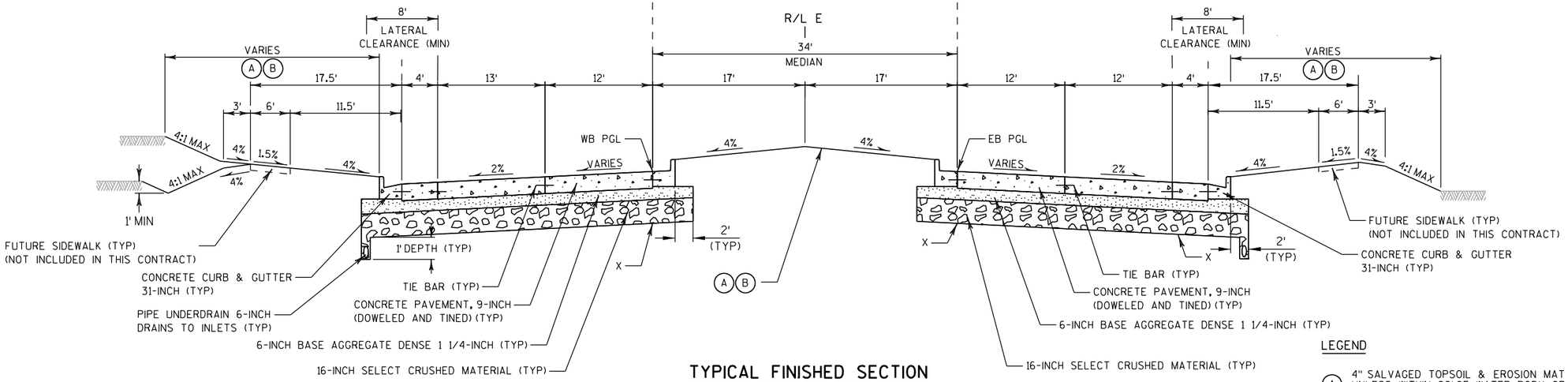
STA 15E+50.00 TO STA 19E+11.77
STA 19E+70.33 TO STA 23E+00.00
STA 28E+70.89 TO STA 30E+48.38



STA 29E+58.50 TO STA 30E+09.08



STA 24E+97.80 TO STA 27E+60.00



TYPICAL FINISHED SECTION

ELM ROAD

STA 15E+50.00 TO STA 35E+06.00

NOTES

PGL = POINT REFERRED TO ON PROFILE AND PIVOT POINT FOR SUPERELEVATION

X = POINT REFERRED TO ON CROSS-SECTION

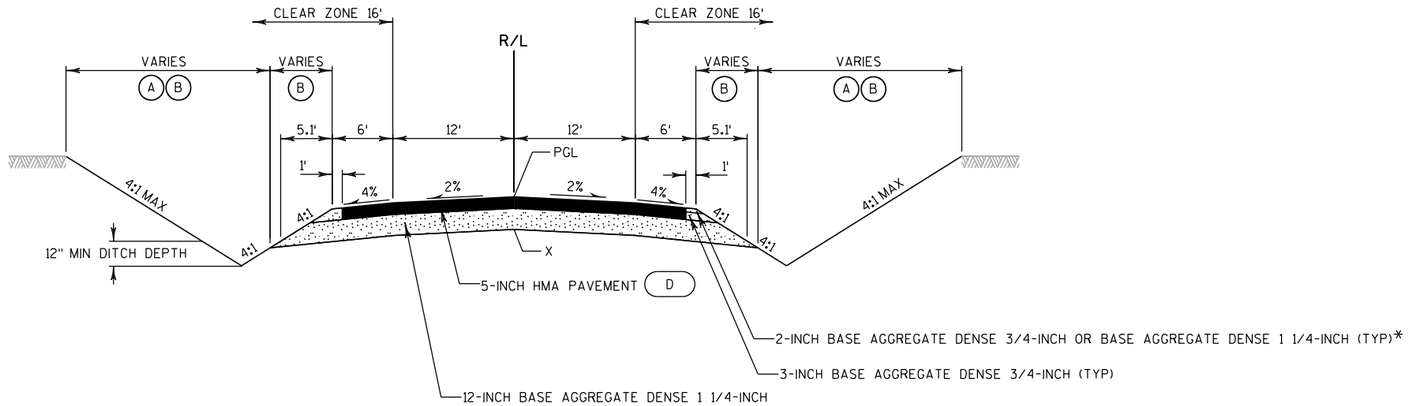
LEGEND

(A) 4" SALVAGED TOPSOIL & EROSION MAT CLASS I TYPE B UNLESS WITHIN 20' OF WATER BODY OR WETLANDS, THEN USE 4" SALVAGED TOPSOIL & EROSION MAT URBAN CLASS I TYPE B

(B) SEEDING MIXTURE NO. 30 SPECIAL & FERTILIZER TYPE B SPECIAL UNLESS WITHIN 20' OF WATER BODY OR WETLANDS, THEN USE SEEDING MIXTURE NO. 60 & NO FERTILIZER.

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET	E

2



TYPICAL FINISHED SECTION

OAKWOOD ROAD

STA 17+00 TO STA 20+10

NOTES

PGL = POINT REFERRED TO ON PROFILE AND PIVOT POINT FOR SUPERELEVATION

X = POINT REFERRED TO ON CROSS-SECTION

*OPTIONAL BASE AGGREGATE DENSE 1 1/4-INCH IN SHOULDER CALCULATED AS 3/4" BASE AGGREGATE

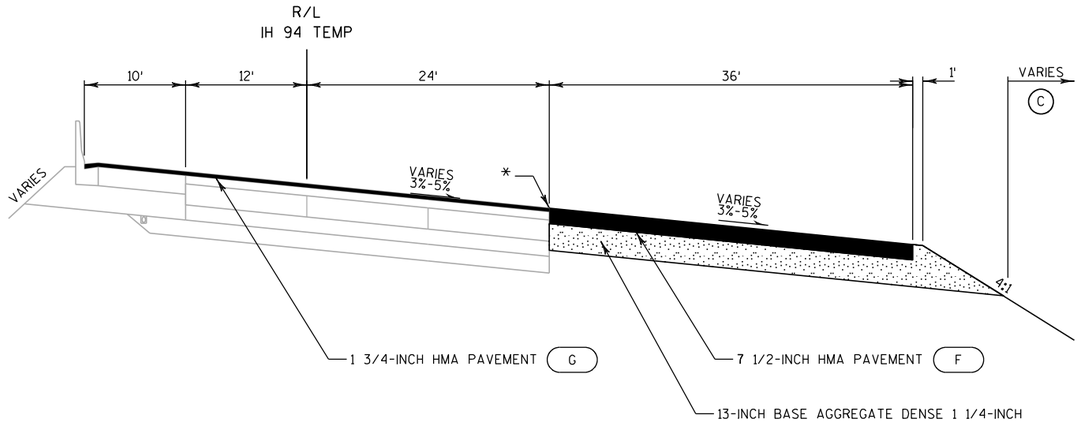
LEGEND

(A) 4" SALVAGED TOPSOIL & EROSION MAT CLASS I TYPE B UNLESS WITHIN 20' OF WATER BODY OR WETLANDS, THEN USE 4" SALVAGED TOPSOIL & EROSION MAT URBAN CLASS I TYPE B

(B) SEEDING MIXTURE NO. 30 SPECIAL & FERTILIZER TYPE B SPECIAL UNLESS WITHIN 20' OF WATER BODY OR WETLANDS, THEN USE SEEDING MIXTURE NO. 60 & NO FERTILIZER.

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET	E

2



NOTE

*SAWCUT AND MATCH ADJACENT PAVEMENT, VERIFY OFFSETS AND ELEVATIONS SHOWN ON PLANS AND CROSS SECTIONS AND ADJUST AS NECCESSARY

TYPICAL FINISHED SECTION

IH 94 NB WIDENING

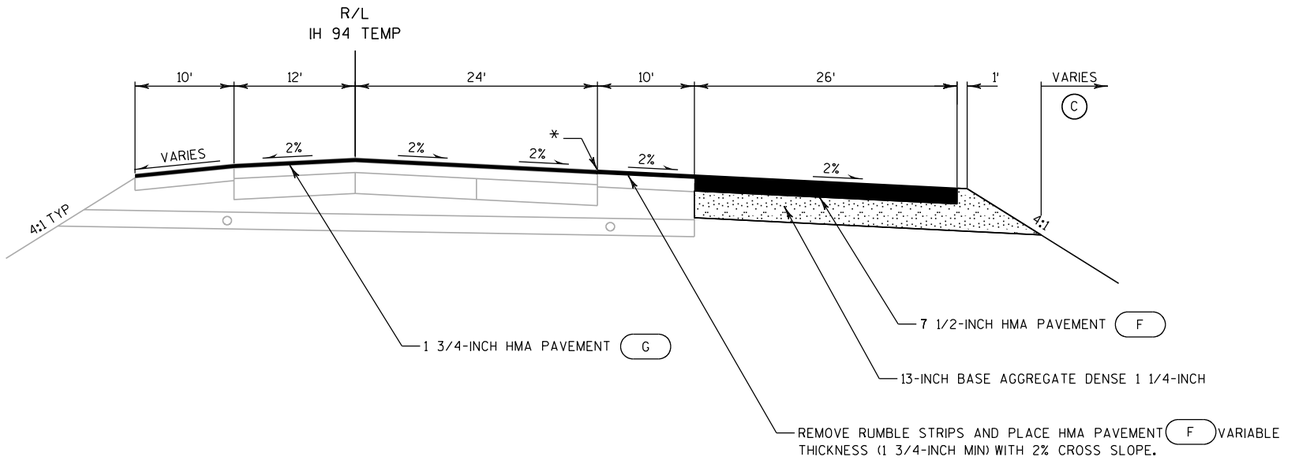
STA 1131+34.26 TO STA 1133+16.24
STA 1136+05.59 TO STA 1148+25.00

LEGEND

(C) 4" SALVAGED TOPSOIL, SOIL STABLIZER TYPE B, FERTILIZER TYPE B SPECIAL AND SEEDING TEMPORARY UNLESS WITHIN 20' OF WATER BODY OR WETLANDS, THEN USE NO FERTILIZER

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET	E

2



NOTE

*MATCH ADJACENT PAVEMENT, VERIFY OFFSETS AND ELEVATIONS SHOWN ON PLANS AND CROSS SECTIONS AND ADJUST AS NECCESSARY

TYPICAL FINISHED SECTION

IH 94 NB WIDENING

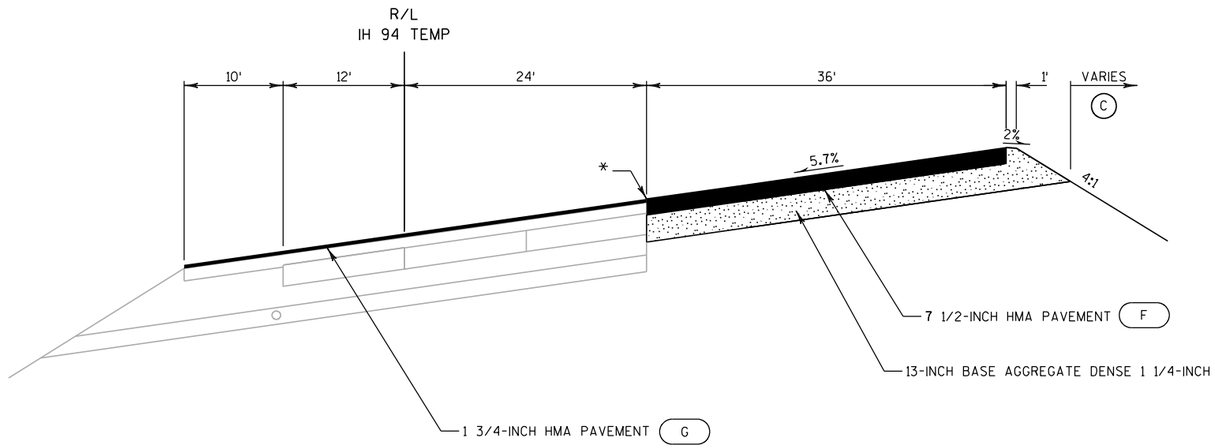
STA 1148+25.00 TO STA 1169+75.00

LEGEND

(C) 4" SALVAGED TOPSOIL, SOIL STABLIZER TYPE B, FERTILIZER TYPE B SPECIAL AND SEEDING TEMPORARY UNLESS WITHIN 20' OF WATER BODY OR WETLANDS, THEN USE NO FERTILIZER

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET	E

2



NOTE

*SAWCUT AND MATCH ADJACENT PAVEMENT. VERIFY OFFSETS AND ELEVATIONS SHOWN ON PLANS AND CROSS SECTIONS AND ADJUST AS NECCESSARY

TYPICAL FINISHED SECTION

IH 94 NB WIDENING

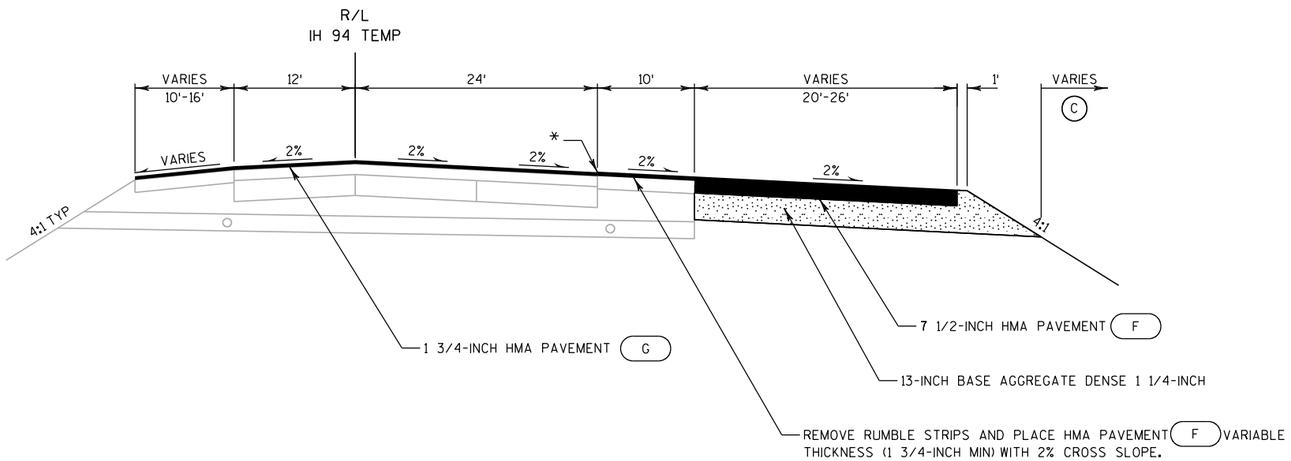
STA 1169+75.00 TO STA 1195+67.00
STA 1196+99.00 TO STA 1197+25.00

LEGEND

(C) 4" SALVAGED TOPSOIL, SOIL STABLIZER TYPE B, FERTILIZER TYPE B SPECIAL AND SEEDING TEMPORARY UNLESS WITHIN 20' OF WATER BODY OR WETLANDS, THEN USE NO FERTILIZER

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET	E

2



NOTE

*MATCH ADJACENT PAVEMENT, VERIFY OFFSETS AND ELEVATIONS SHOWN ON PLANS AND CROSS SECTIONS AND ADJUST AS NECCESSARY

TYPICAL FINISHED SECTION

IH 94 NB WIDENING

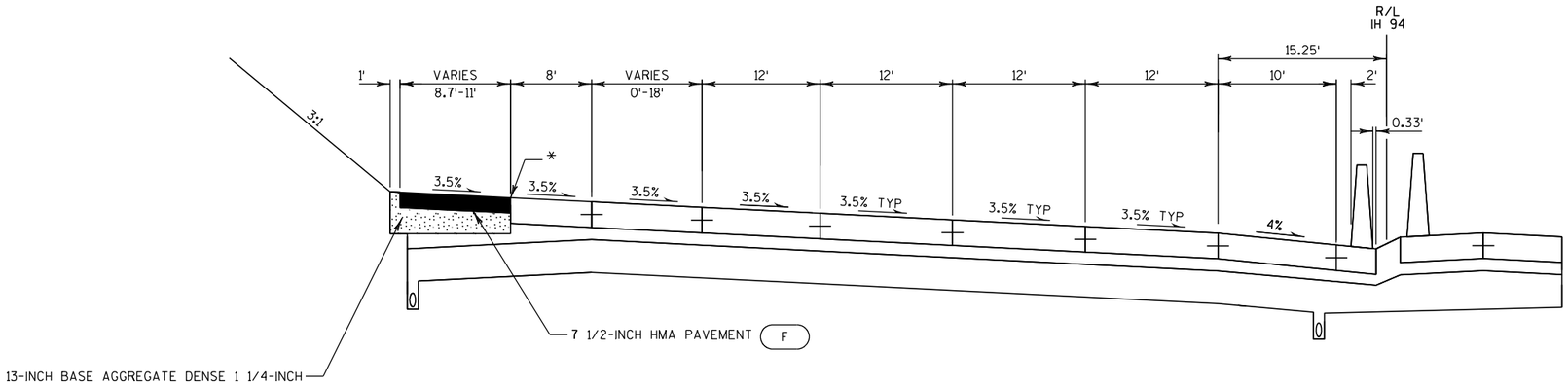
STA 1197+25.00 TO STA 1221+15.00

LEGEND

(C) 4" SALVAGED TOPSOIL, SOIL STABLIZER TYPE B, FERTILIZER TYPE B SPECIAL AND SEEDING TEMPORARY UNLESS WITHIN 20' OF WATER BODY OR WETLANDS, THEN USE NO FERTILIZER

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET	E

2



TYPICAL FINISHED SECTION

IH 94 SB WIDENING

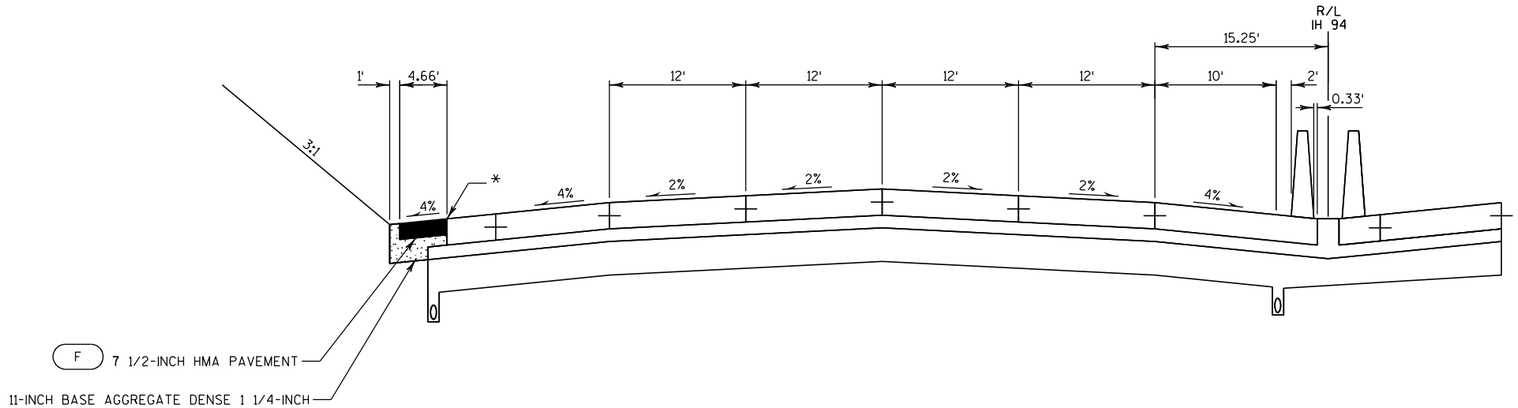
STA 150+46.68 TO STA 152+83.00

NOTE

* MATCH EXISTING PAVEMENT, VERIFY OFFSETS AND ELEVATIONS SHOWN ON PLANS AND CROSS SECTIONS AND ADJUST AS NECCESSARY

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET	E

2



TYPICAL FINISHED SECTION

IH 94 SB WIDENING

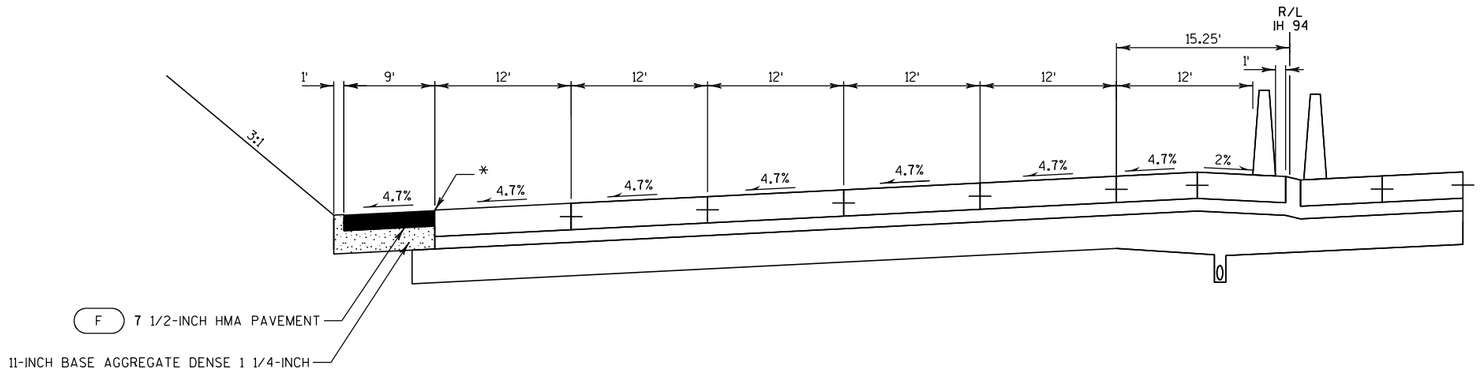
STA 152+83.00 TO STA 172+00.00

NOTE

*MATCH PAVEMENT, VERIFY OFFSETS AND ELEVATIONS SHOWN ON PLANS AND CROSS SECTIONS AND ADJUST AS NECCESSARY

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET	E

2



TYPICAL FINISHED SECTION

IH 94 SB WIDENING

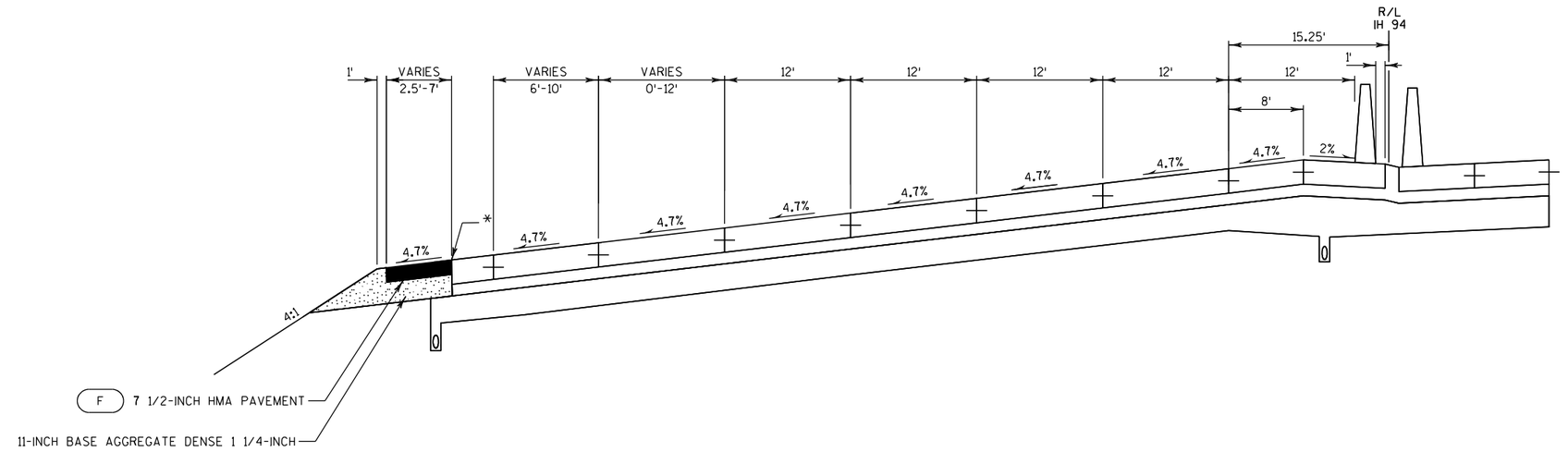
STA 172+00.00 TO STA 179+21.86

NOTE

*MATCH PAVEMENT, VERIFY OFFSETS AND ELEVATIONS SHOWN ON PLANS AND CROSS SECTIONS AND ADJUST AS NECCESSARY

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET	E

2



TYPICAL FINISHED SECTION

IH 94 SB WIDENING

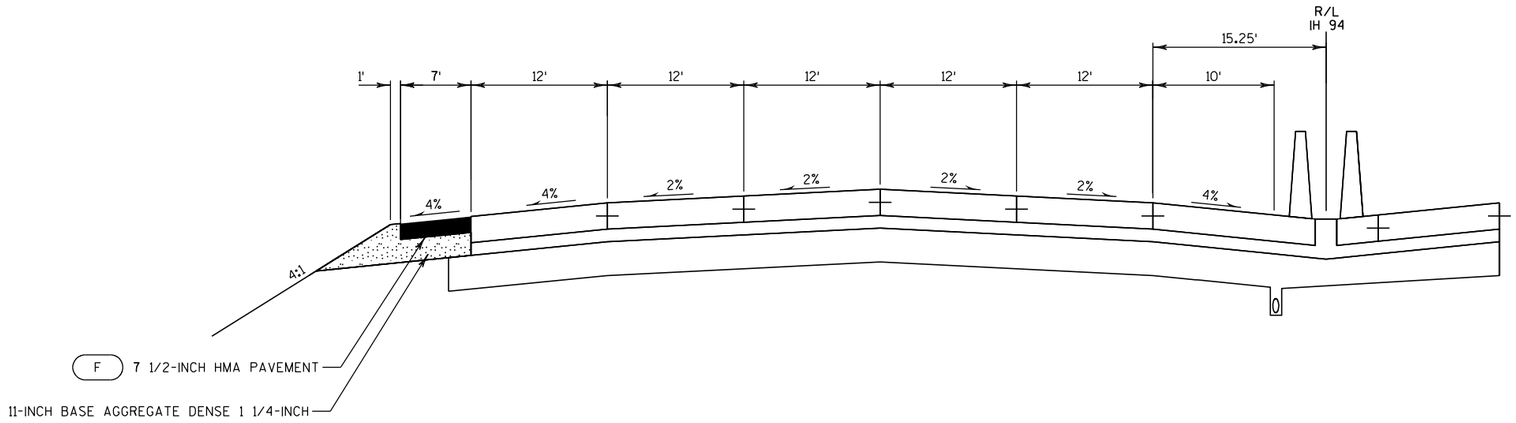
STA 191+42.48 TO STA 194+00.00

NOTE

*MATCH PAVEMENT, VERIFY OFFSETS AND ELEVATIONS SHOWN ON PLANS AND CROSS SECTIONS AND ADJUST AS NECCESSARY

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET	E

2



TYPICAL FINISHED SECTION

IH 94 SB WIDENING

STA 199+66.00 TO STA 220+00.00

NOTE

*MATCH PAVEMENT, VERIFY OFFSETS AND ELEVATIONS SHOWN ON PLANS AND CROSS SECTIONS AND ADJUST AS NECCESSARY

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET	E

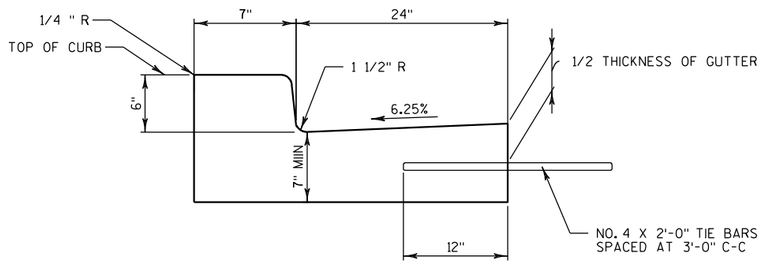
2

RUNOFF COEFFICIENT TABLE

	HYDROLOGIC SOIL GROUP											
	A			B			C			D		
	SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)		
LAND USE:	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER
ROW CROPS	0.08	0.16	0.22	0.12	0.20	0.27	0.15	0.24	0.33	0.19	0.28	0.38
	0.22	0.30	0.38	0.26	0.34	0.44	0.30	0.37	0.50	0.34	0.41	0.56
MEDIAN STRIP-	0.19	0.20	0.24	0.19	0.22	0.26	0.20	0.23	0.30	0.20	0.25	0.30
TURF	0.24	0.26	0.30	0.25	0.28	0.33	0.26	0.30	0.37	0.27	0.32	0.40
SIDE SLOPE-			0.25			0.27			0.28			0.30
TURF			0.32			0.34			0.36			0.38
PAVEMENT:												
ASPHALT	.70 - .95											
CONCRETE	.80 - .95											
BRICK	.70 - .80											
DRIVES, WALKS	.75 - .85											
ROOFS	.75 - .95											
GRAVEL ROADS, SHOULDERS	.40 - .60											

TOTAL PROJECT AREA = 131.71 ACRES ACRES FOR ELM ROAD INTERCHANGE

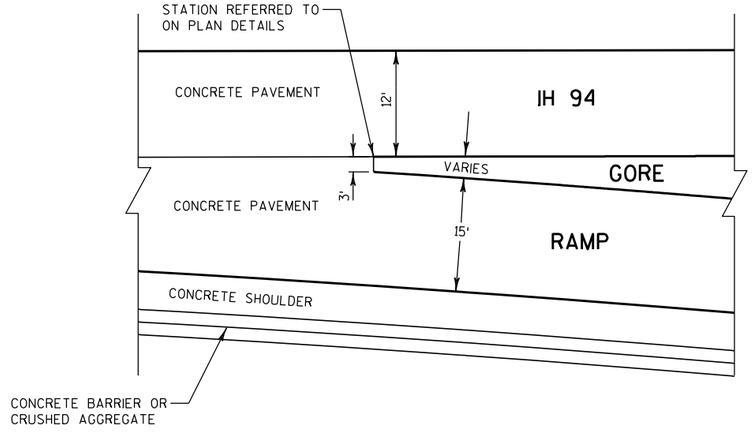
TOTAL AREA EXPECTED TO DO DISTURBED BY CONSTRUCTION ACTIVITIES = 105.56 ACRES FOR ID 1030-20-87



NOTES

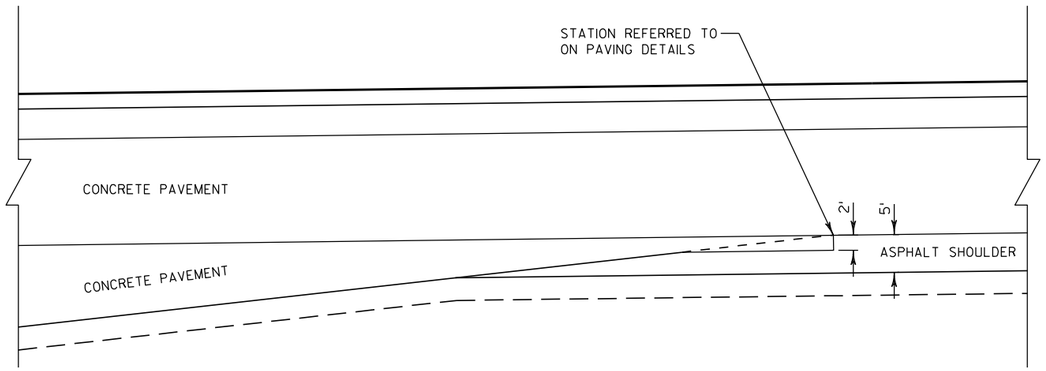
1. TIE BARS ARE REQUIRED FOR CURB AND GUTTER ADJACENT TO NEW CONCRETE PAVEMENT.
2. OMIT TIE BARS WHERE INTEGRAL CURB AND GUTTER IS REQUIRED.
3. SEE STANDARD DETAIL DRAWING FOR DETAILS NOT SHOWN HERE.

CONCRETE CURB AND GUTTER 31-INCH



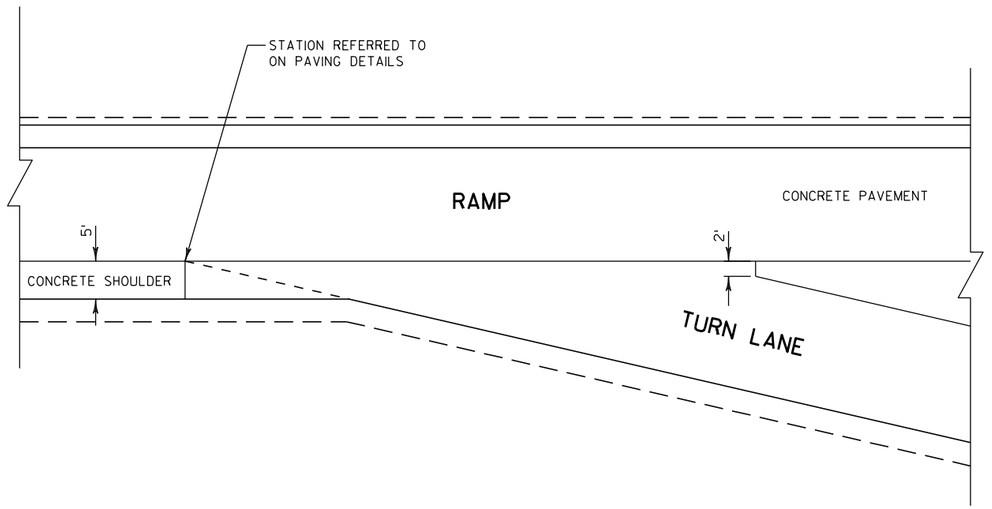
TAPER END LAYOUT FOR CONCRETE PAVEMENT

FOR ENTRANCE AND EXIT RAMP PAVEMENT NOTCH AT GORE



TAPER END LAYOUT FOR CONCRETE PAVEMENT

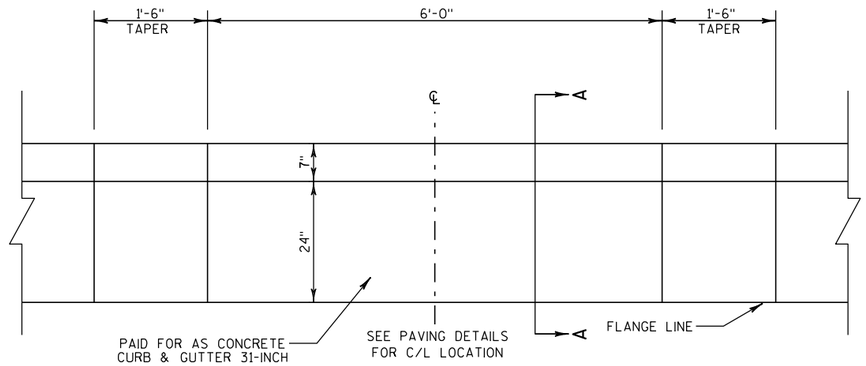
FOR INTERSECTION TAPERS WITH CONCRETE PAVEMENT AND ASPHALT SHOULDERS



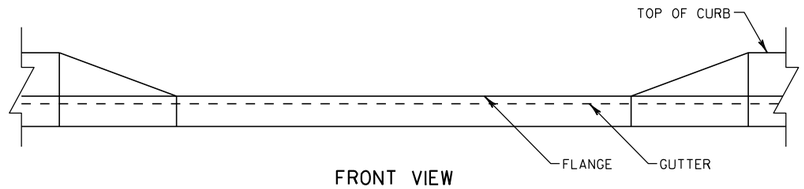
TAPER END LAYOUT FOR CONCRETE PAVEMENT

FOR TURN LANE ON RAMPS WITH CONCRETE SHOULDER

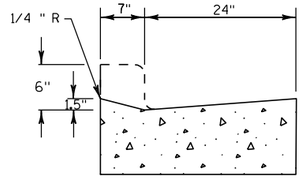
2



PLAN VIEW



FRONT VIEW



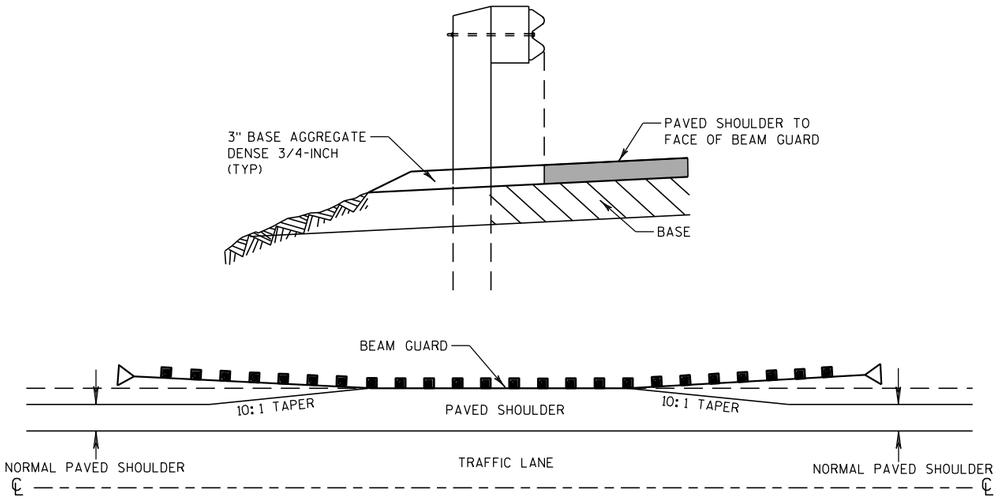
END VIEW

SECTION A-A

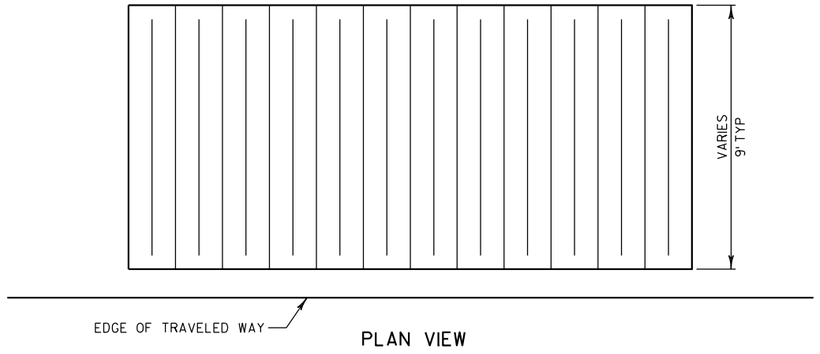
MAINTENANCE OPENING

LOCATIONS SHOWN ON PAVING DETAILS

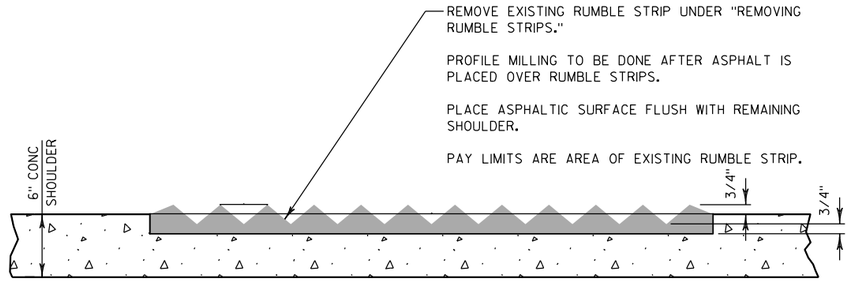
PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CONSTRUCTION DETAILS	SHEET	E



PAVED SHOULDER AT BEAM GUARD



PLAN VIEW

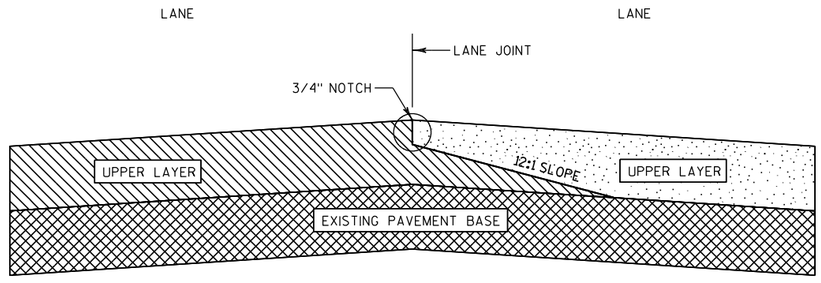


PROFILE VIEW

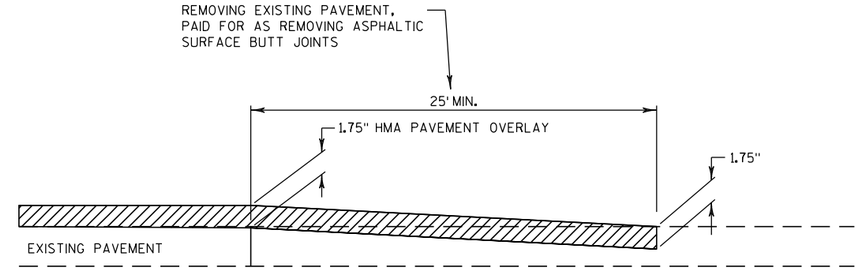
REMOVING RUMBLE STRIPS

NOTES

1. RUMBLE STRIPS ARE LONGITUDINALLY SPACED 60' CENTER TO CENTER.
2. IF THE RUMBLE STRIP ENDS AT OR NEAR A CONCRETE JOINT, MILL OUT AN ADDITIONAL 1' OF CONCRETE PAST THE JOINT BEFORE FILLING WITH ASPHALT.

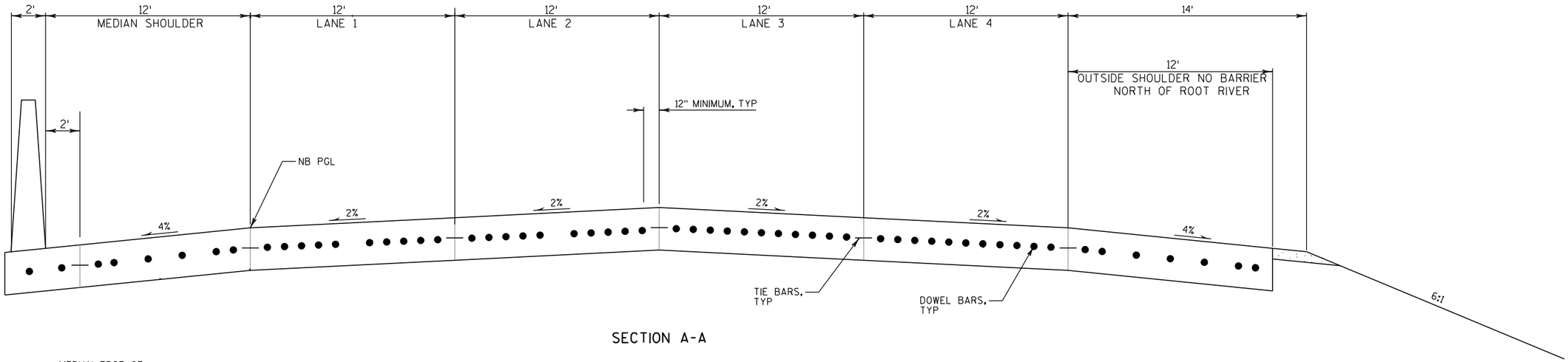


TYPICAL HMA PAVEMENT CROSS SECTION OF
TAPERED AND NOTCHED LONGITUDINAL JOINTS

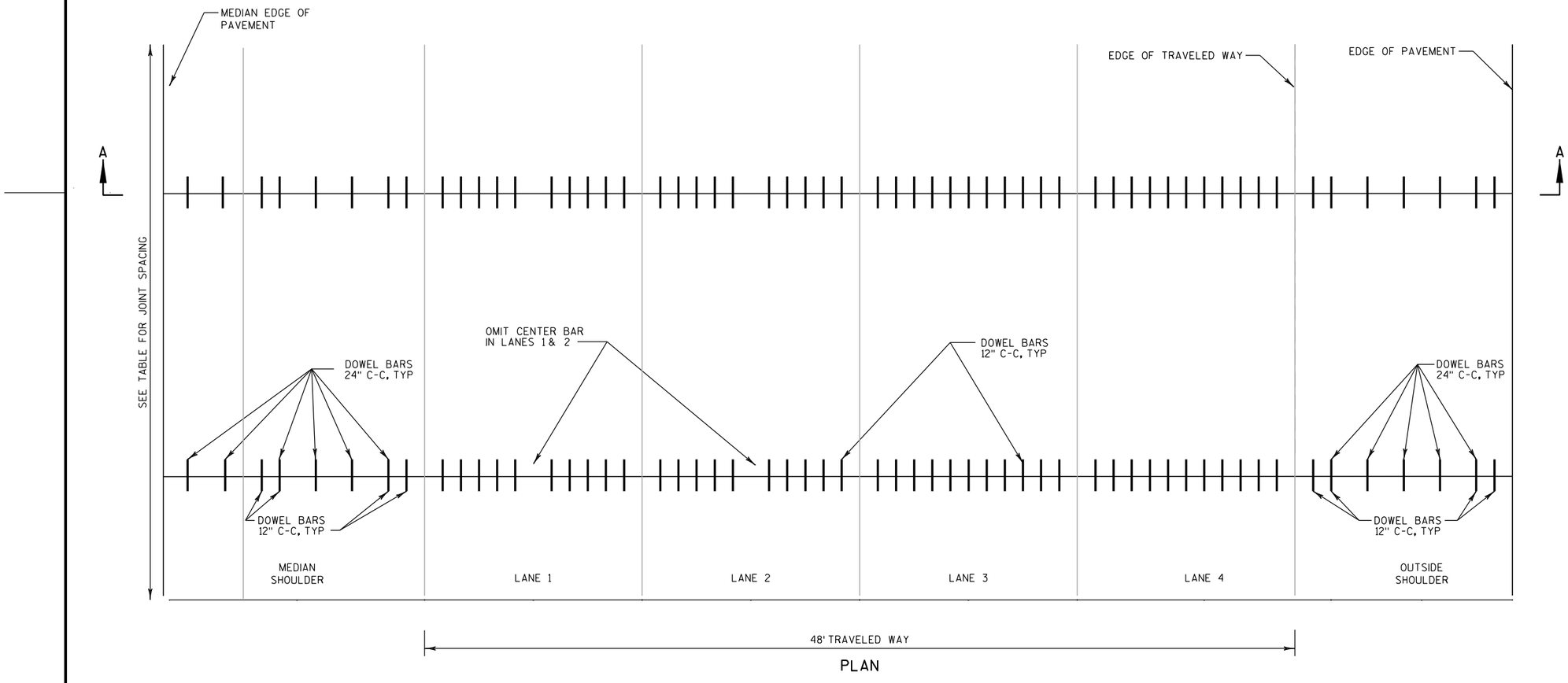


BUTT JOINT DETAIL

STA 132+88 TO STA 133+13
STA 135+92 TO STA 136+17
STA 194+32 TO STA 194+57
STA 195+86 TO STA 196+11



SECTION A-A



PLAN

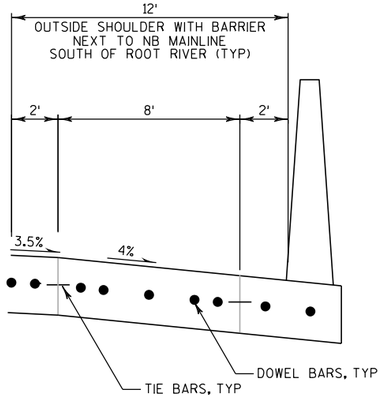
HPC PAVEMENT JOINT DETAIL

PAVEMENT DEPTH, DOWEL BAR SIZE AND JOINT SPACING TABLE

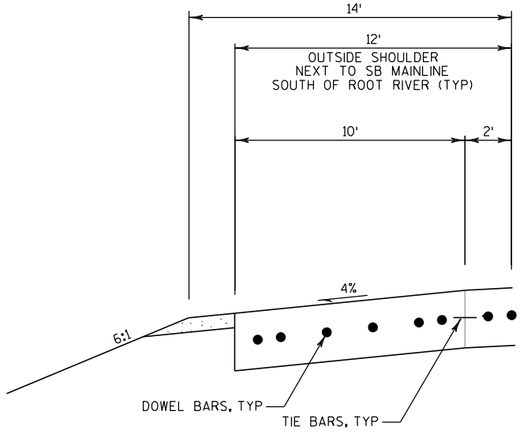
PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER	CONTRACTION JOINT SPACING
10" & ABOVE	1 1/2"	15'

NOTES

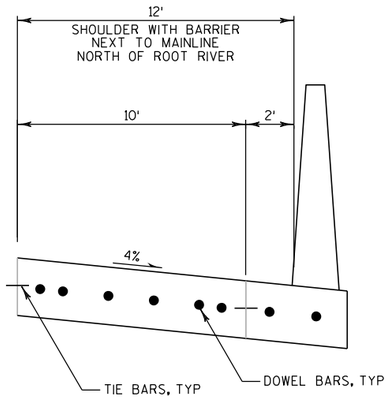
1. DETAILS NOT SHOWN SHALL CONFORM TO STANDARD DETAIL DRAWINGS.
2. LOCATE OUTERMOST DOWEL BAR SO THAT THE CENTER OF THE BAR IS 12 INCHES FROM THE EDGE OF PAVEMENT OR LONGITUDINAL JOINT.
3. TREAT SAWED SURFACES OF TRANSVERSE AND LONGITUDINAL JOINTS WITH SILANE SEALANT.



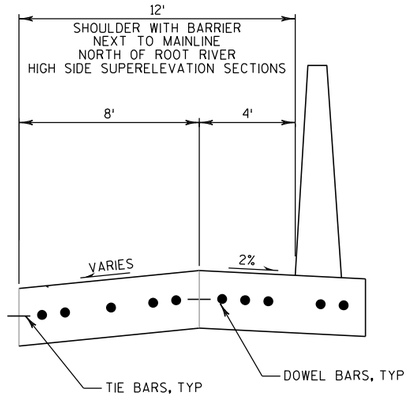
SECTION A-A



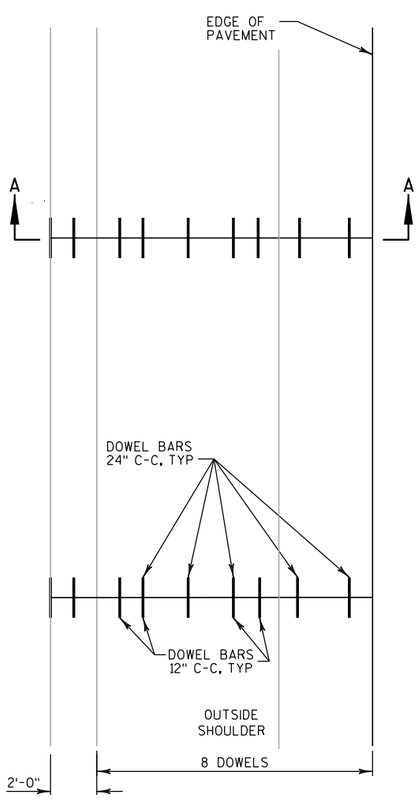
SECTION B-B



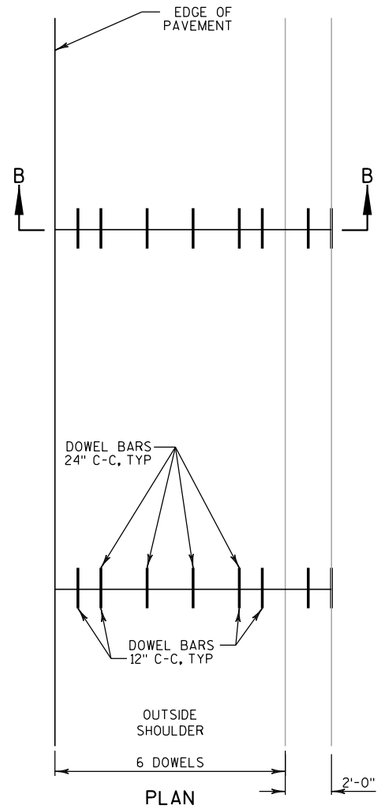
SECTION C-C



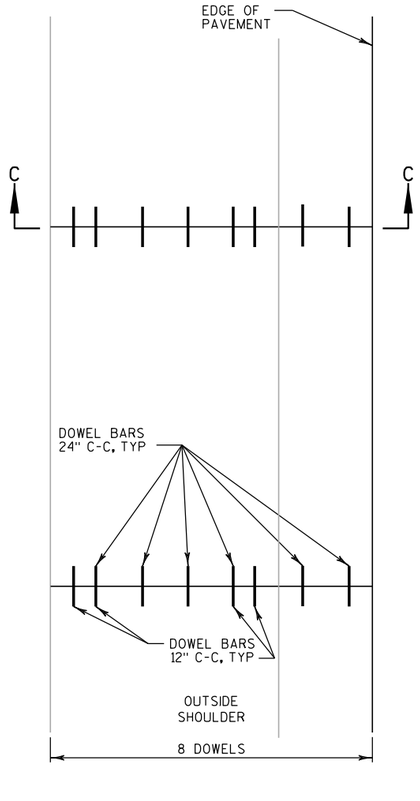
SECTION D-D



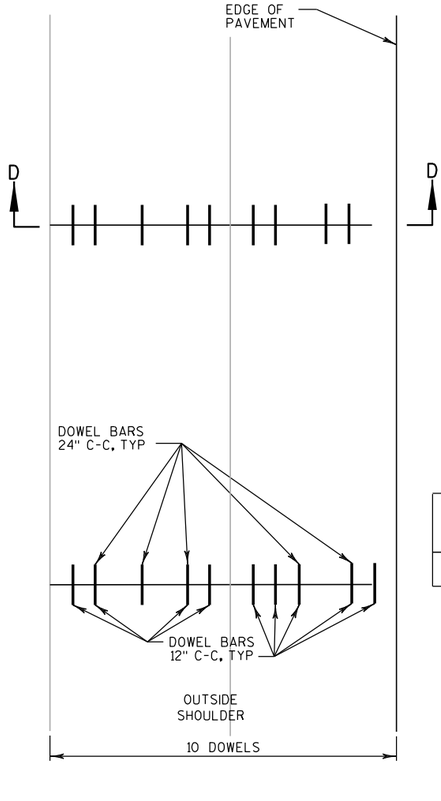
PLAN



PLAN



PLAN



PLAN

PAVEMENT DEPTH, DOWEL BAR SIZE
AND JOINT SPACING TABLE

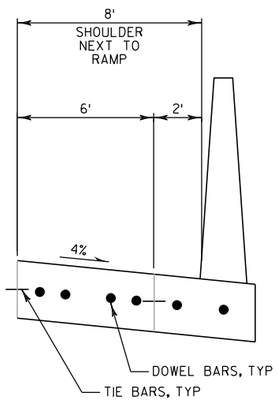
PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER	CONTRACTION JOINT SPACING
10" & ABOVE	1 1/2"	15'

NOTES

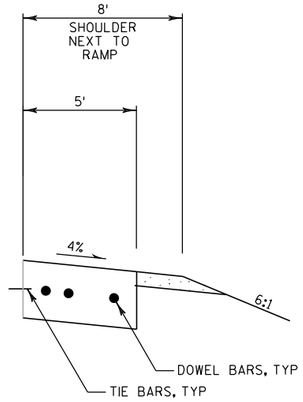
1. DETAILS NOT SHOWN SHALL CONFORM TO STANDARD DETAIL DRAWINGS.
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3. TREAT SAWED SURFACES OF TRANSVERSE AND LONGITUDINAL JOINTS WITH SILANE SEALANT.

HPC PAVEMENT JOINT DETAIL - SHOULDERS

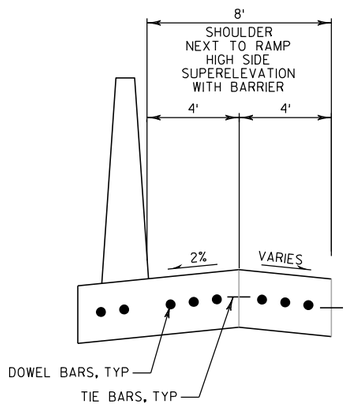
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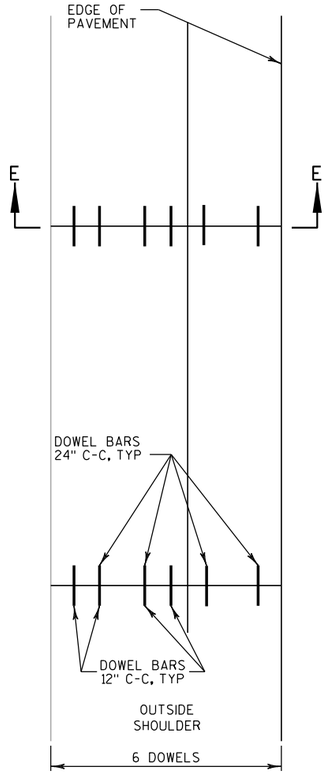
SECTION E-E



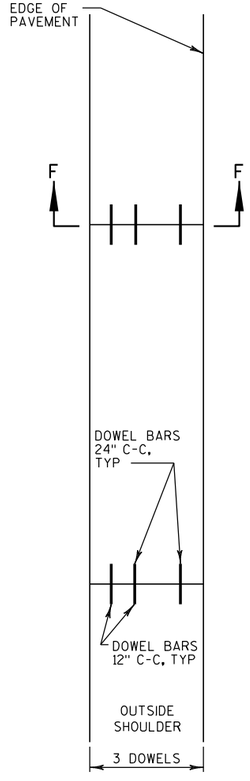
SECTION F-F



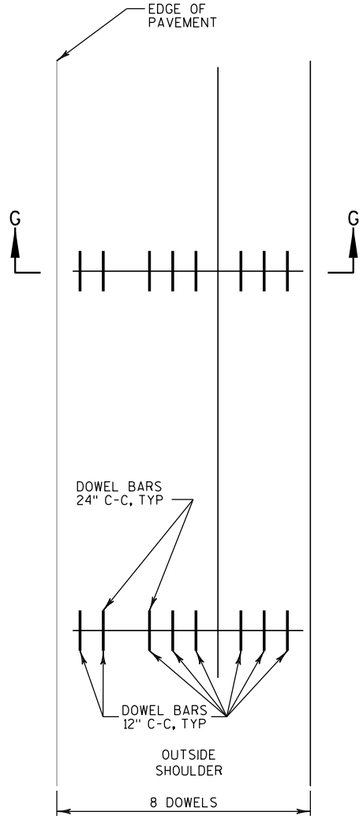
SECTION G-G



PLAN



PLAN



PLAN

PAVEMENT DEPTH, DOWEL BAR SIZE AND JOINT SPACING TABLE

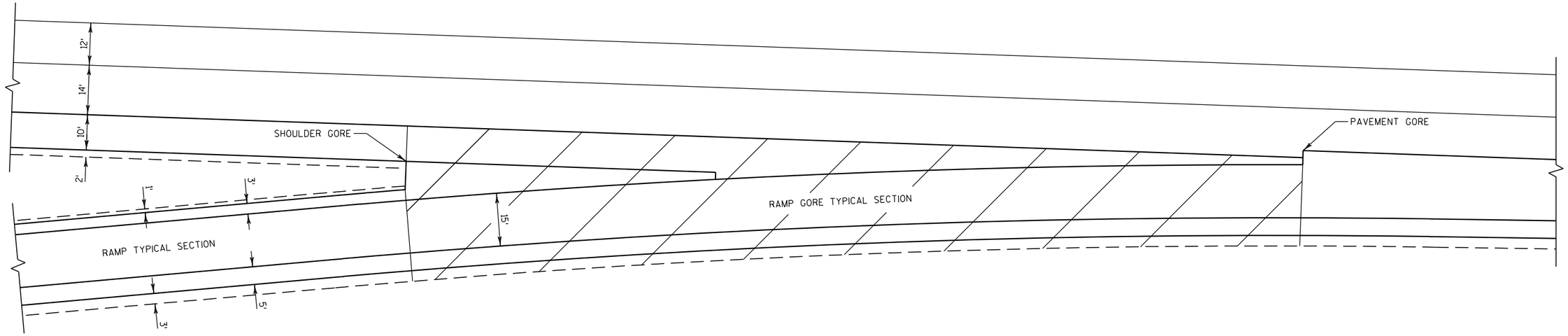
PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER	CONTRACTION JOINT SPACING
10" & ABOVE	1 1/2"	15'

NOTES

1. DETAILS NOT SHOWN SHALL CONFORM TO STANDARD DETAIL DRAWINGS.
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3. TREAT SAWED SURFACES OF TRANSVERSE AND LONGITUDINAL JOINTS WITH SILANE SEALANT.

HPC PAVEMENT JOINT DETAIL - SHOULDERS

2



RAMP TYPICAL SECTION

- CONCRETE PAVEMENT
- BASE AGGREGATE DENSE 1 1/4-INCH (6-INCH)
- SELECT CRUSHED MATERIAL (16-INCH)

RAMP GORE TYPICAL SECTION

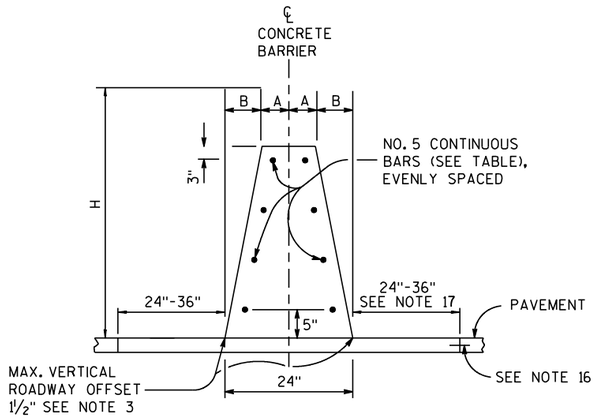
- MAINLINE CONCRETE PAVEMENT
- BASE AGGREGATE DENSE 1 1/4-INCH (6-INCH)
- SELECT CRUSHED MATERIAL (16-INCH)

IH-94 MAINLINE TYPICAL SECTION

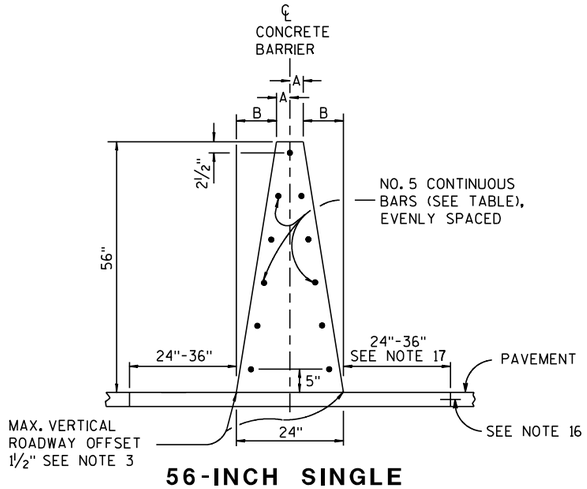
- CONCRETE PAVEMENT
- BASE AGGREGATE DENSE 1 1/4-INCH (6-INCH)
- SELECT CRUSHED MATERIAL (16-INCH)

RAMP GORE DETAIL

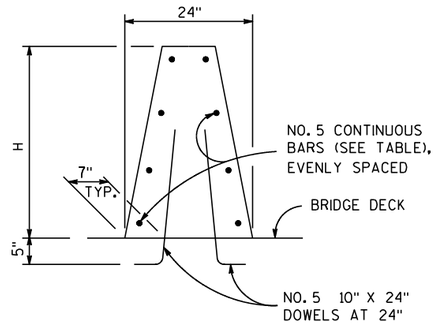
PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CONSTRUCTION DETAILS	SHEET	E



32-INCH, 36-INCH OR 42-INCH SINGLE SLOPE CONCRETE BARRIER (TYPE S32, TYPE S36, AND TYPE S42) SINGLE RUN



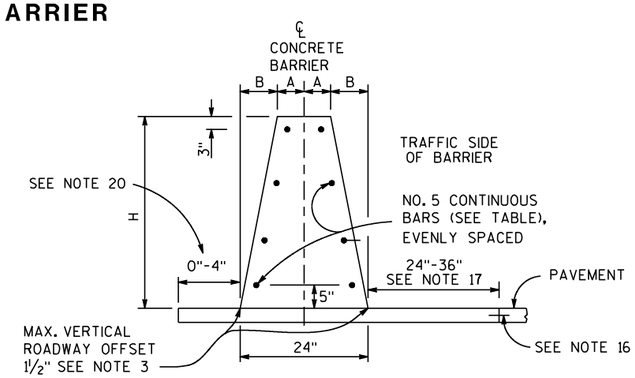
56-INCH SINGLE SLOPE CONCRETE BARRIER (TYPE S56) SINGLE RUN



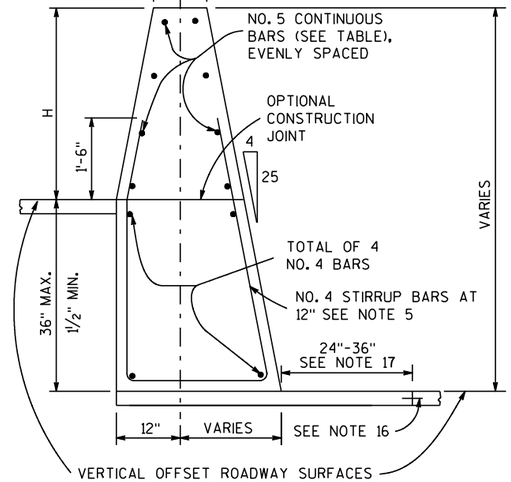
SINGLE SLOPE CONCRETE BARRIER ON BRIDGE

NON OUTER PARAPET APPLICATION

BARRIER HEIGHT H INCHES	A INCHES	B INCHES	NUMBER OF NO. 5 BARS EACH
32	7	5	8
36	6¼	5¾	8
42	5¼	6¾	10
56	3	9	11

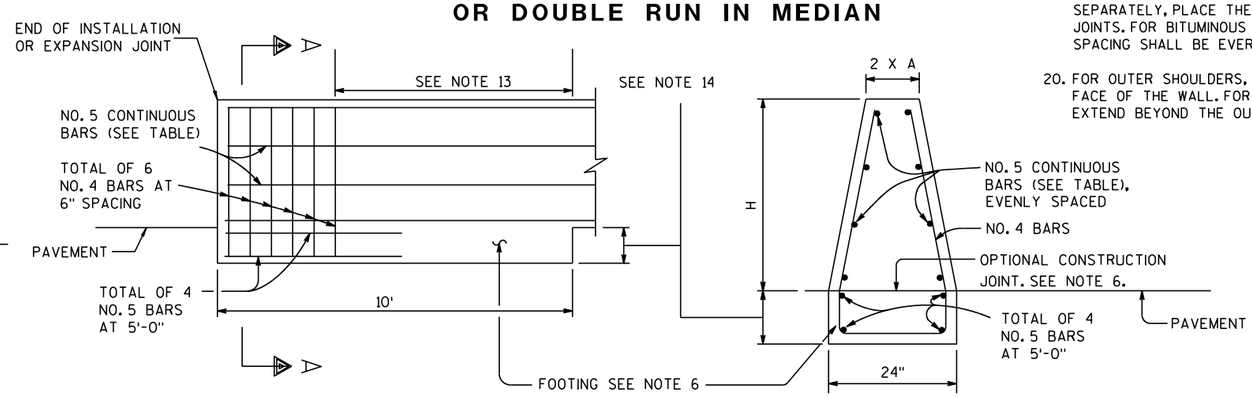


32-INCH, 36-INCH OR 42-INCH SINGLE SLOPE CONCRETE BARRIER (TYPE S32, TYPE S36, AND TYPE S42) ON OUTER SHOULDER OR DOUBLE RUN IN MEDIAN



SINGLE SLOPE CONCRETE BARRIER AND RETAINING WALL (TYPE S32A, TYPE S36A, TYPE S42A, TYPE S56A)

(BETWEEN ADJACENT ROADWAYS)



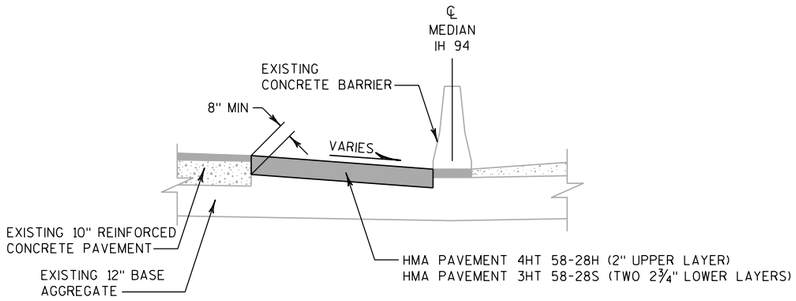
END ANCHOR SINGLE SLOPE CONCRETE BARRIER

AT CONSTRUCTION JOINT

SECTION A-A

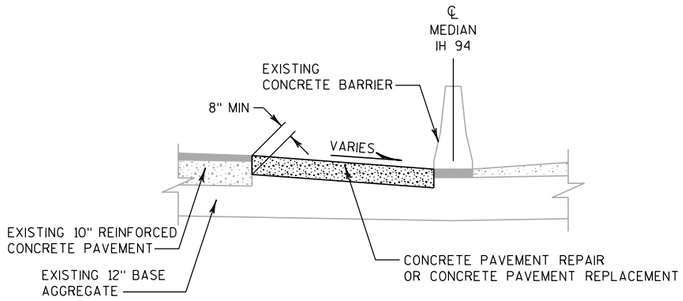
GENERAL NOTES

1. WHERE THE CONCRETE BARRIER IS ADDED TO THE FACE OF EXISTING CONCRETE STRUCTURE, MATCH EXISTING WEEP HOLES.
2. EXPANSION JOINTS IN CONCRETE BARRIER SHALL BE LOCATED AT ALL DECK, AND PRINCIPAL WALL JOINTS. EXPANSION JOINT FILLER MATERIAL SHALL BE THE SAME SIZE AS JOINT OR ½" MINIMUM.
3. WHERE VERTICAL ROADWAY OFFSET IS GREATER THAN 1½", USE TYPE A
4. PLACE BARRIER PERPENDICULAR TO SHOULDER GRADE, UNLESS INDICATED IN PLAN.
5. EXCEPT IN ANCHORS, VERTICAL REINFORCING STIRRUP NOT REQUIRED FOR ROADWAY OFFSETS LESS THAN 1'-0".
6. FOR TYPE S32, TYPE S36, TYPE S42, AND S56 MONOLITHIC FOOTING OR DOWELED FOOTING WITH 2-#8 x 8" @ 2'-0".
7. STAGGER LAPPING OF LONGITUDINAL STEEL. MINIMUM OVERLAP OF STEEL 2 FEET. BARS AT LAPS TO BE FIRMLY TIED OR CONNECTED.
8. 4000 PSI CONCRETE AIR ENTRAINMENT PER STANDARD SPECIFICATION 501.
9. WHEN SWITCHING BETWEEN SLIP FORM AND CAST-IN-PLACE OPERATIONS, EXTEND LONGITUDINAL STEEL 3 FEET BEYOND SLIP-FORMING CUT OFF POINT. EXPOSED STEEL INTO NEXT POURS REINFORCEMENT. LAPS TO BE FIRMLY TIED.
10. USE ¾" BEVEL OR 1" RADIUS ON ALL EXPOSED SHARP EDGES UNLESS OTHERWISE NOTED.
11. 2" CLEAR COVER TYPICAL.
12. COLD-JOINTS MAY BE USED BETWEEN ANCHOR INSTALLATIONS. WHEN A COLD JOINT IS NEEDED, 3 FEET OF LAP OF LONGITUDINAL STEEL IS REQUIRED. LAPS TO BE FIRMLY TIED.
13. IN TYPE S32, TYPE S36, TYPE S42 AND TYPE S56 NO ADDITIONAL VERTICAL STEEL NEEDED. IN TYPE S32A, TYPE S36A, TYPE S42A AND TYPE S56A REQUIRES VERTICAL STEEL. SEE OTHER DETAIL.
14. IN TYPE S32, TYPE S36, TYPE S42 AND TYPE S56 DEPTH OF FOOTING 10". IN TYPE S32A, TYPE S36A, TYPE S42A AND TYPE S56A MATCH TOTAL HEIGHT OF SINGLE SLOPE BARRIER RETAINING WALL.
15. FOR ALL BARRIER TYPES SHOWN, ANCHOR IS REQUIRED AT CONCRETE BARRIER ENDS AND AT INTERRUPTIONS IN CONCRETE BARRIER. ANCHOR MAY BE AS SHOWN ON DRAWING OR DETAILS SHOWN ON S.D.D. 14B33.
16. CONSTRUCTION JOINT, SEE S.D.D. 13C1 TIE BAR TABLE. OUTER SHOULDERS AND DOUBLE RUN IN MEDIAN WILL BE TIED TO SHOULDER PANEL. SINGLE RUN MEDIAN CONCRETE BARRIER WILL BE TIED TO ONE OF THE ADJACENT SHOULDER PANELS.
17. LONGITUDINAL FOOTING JOINT SHALL BE PLACED AT AN OFFSET FROM THE WALL THAT ALIGNS WITH THE FRONT FACE OF THE DRAINAGE STRUCTURES (24" - 36"). JOINT MAY BE ELIMINATED FOR SHOULDERS LESS THAN 10' WIDE.
18. CONCRETE PAD UNDER CBSS MAY BE PLACED INTEGRAL WITH BARRIER OR PLACED SEPARATELY. THE DEPTH OF PAD SHOULD BY EQUAL DEPTH OF THE CONCRETE SHOULDER, WITH 6" MINIMUM FOOTING.
19. CBSS SHALL HAVE REGULARLY SPACED CONTRACTION JOINTS THAT ARE 1/4" WIDE BY 1" DEEP. FOR CONCRETE SECTIONS, ADJACENT TO THE BARRIER, THE BARRIER CONTRACTION JOINTS SHALL ALIGN WITH THE JOINTS IN THE CONCRETE SECTION NOT TO EXCEED 15'. IF THE FOOTING IS CONSTRUCTED SEPARATELY, PLACE THE CONTRACTION JOINTS DIRECTLY ABOVE THE FOOTING JOINTS. FOR BITUMINOUS ADJACENT TO THE BARRIER, THE CONTRACTION JOINT SPACING SHALL BE EVERY 15'.
20. FOR OUTER SHOULDERS, CONCRETE PAD SHALL EXTEND 4" BEYOND THE OUTER FACE OF THE WALL. FOR DOUBLE RUN IN MEDIAN, CONCRETE PAD SHALL NOT EXTEND BEYOND THE OUTER FACE OF THE WALL.



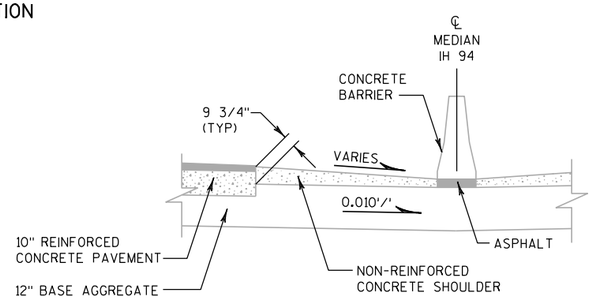
TYPICAL PROPOSED SECTION - ASPHALT OPTION

(DRAINAGE STRUCTURES NOT SHOWN)



TYPICAL PROPOSED SECTION - CONCRETE OPTION

(DRAINAGE STRUCTURES NOT SHOWN)

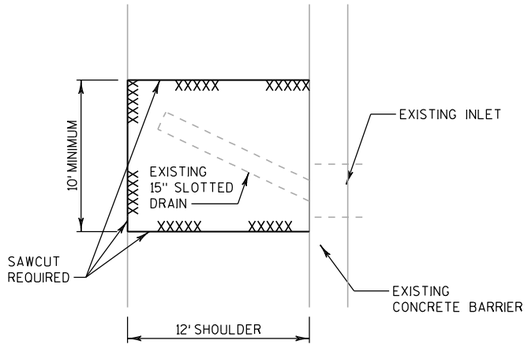


TYPICAL EXISTING SECTION

(DRAINAGE STRUCTURES NOT SHOWN)

NOTES

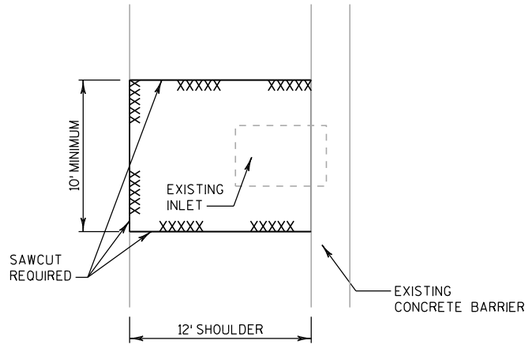
1. SAWCUT LIMITS TO BE DETERMINED BY THE ENGINEER.
2. IF VOIDS EXIST UNDER AREAS TO BE REPAIRED, AND AT THE DIRECTION OF THE ENGINEER, BACKFILL WITH BASE AGGREGATE DENSE AND/OR BACKFILL CONTROLLED LOW STRENGTH.
3. USE HMA PAVEMENT IF EXISTING PAVEMENT IS ASPHALT. USE CONCRETE PAVEMENT REAPIR IF EXISTING PAVEMENT IS CONCRETE.



PLAN VIEW

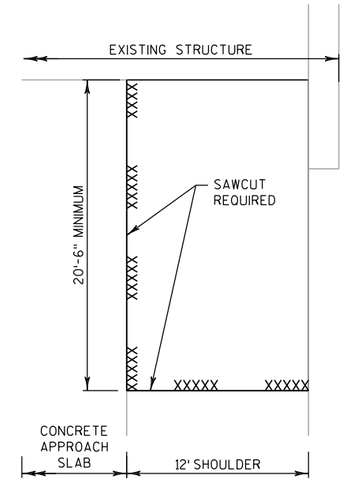
REPAIR AT SLOTTED DRAIN

SEE "REMOVING SLOTTED VANE DRAIN" DETAIL FOR MORE INFORMATION



PLAN VIEW

REPAIR AT INLET



PLAN VIEW

REPAIR AT BRIDGE APPROACH SLAB

SHOULDER REPAIR

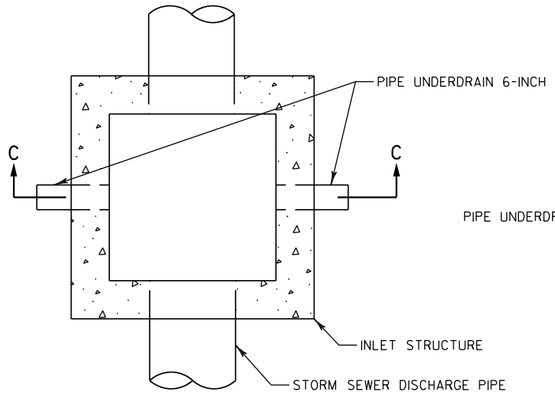
PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CONSTRUCTION DETAILS	SHEET	E

2

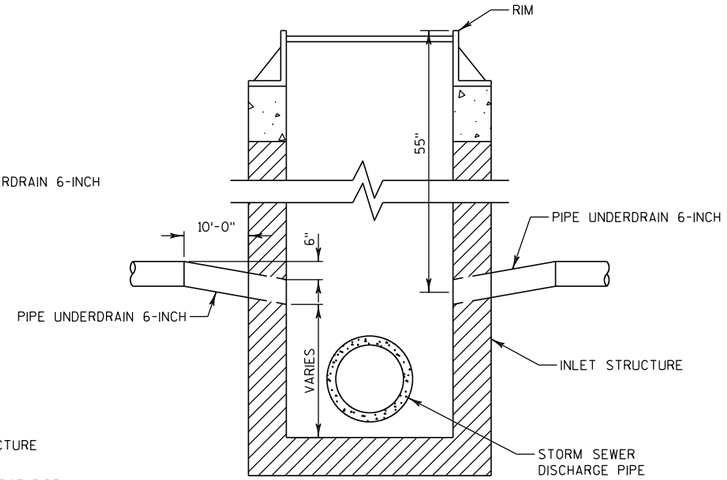
2

NOTES

1. CONNECTIONS TO INLETS OR MANHOLES IN MEDIAN SHALL USE PIPE UNDERDRAIN, 6-INCH.
2. PROVIDE TWO 6" DIA. OPENINGS FOR UNDERDRAIN PIPE A MINIMUM OF 55" BELOW THE RIM ELEVATION.
3. SEE TYPICAL SECTIONS, STORM SEWER, AND UNDERDRAIN PLANS FOR PIPE UNDERDRAIN LOCATIONS.

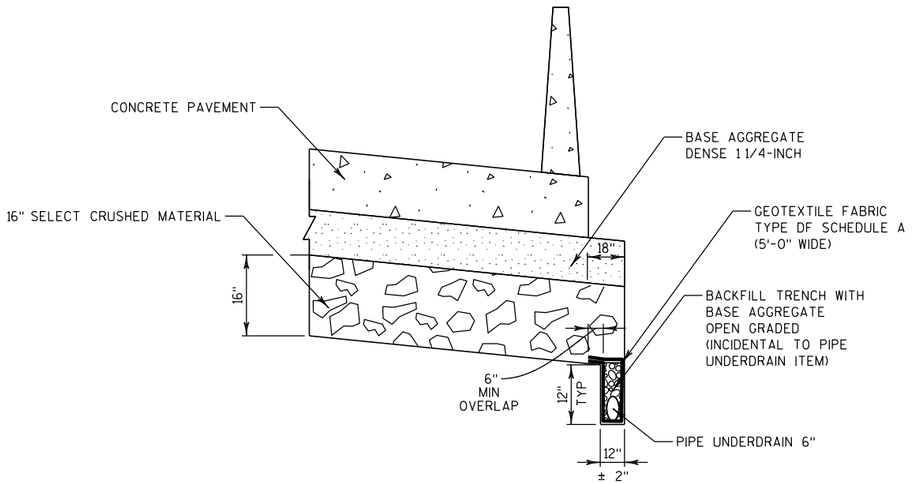


PLAN VIEW



SECTION C-C

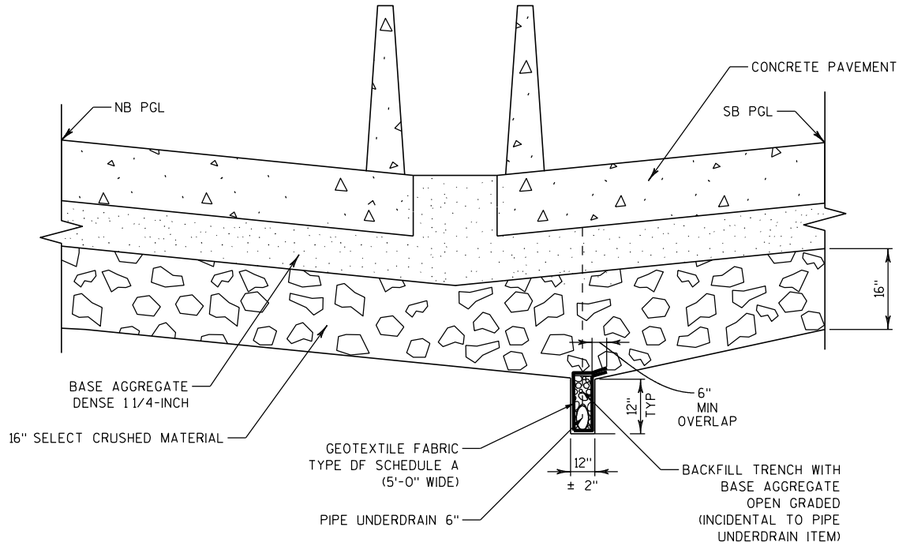
UNDERDRAIN OUTFALL AT INLET



NOTE

SEE TYPICAL SECTIONS FOR LOCATION OF UNDERDRAIN

OUTSIDE SHOULDER UNDERDRAIN TRENCH DETAIL

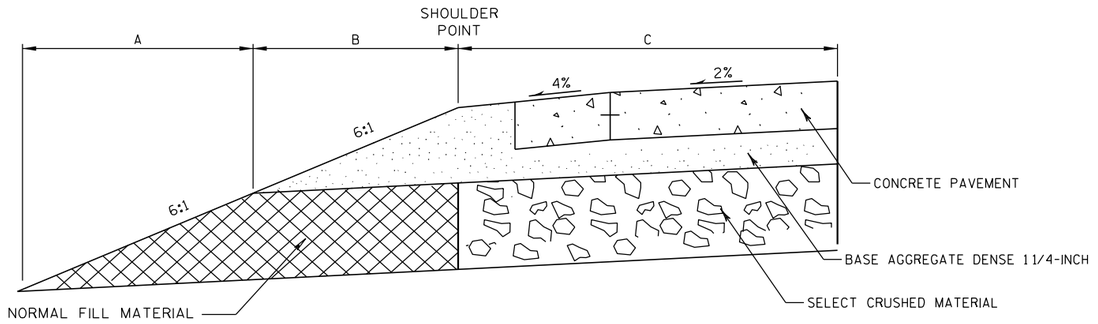


NOTE

SEE TYPICAL SECTIONS FOR LOCATION OF UNDERDRAIN

MEDIAN UNDERDRAIN TRENCH DETAIL

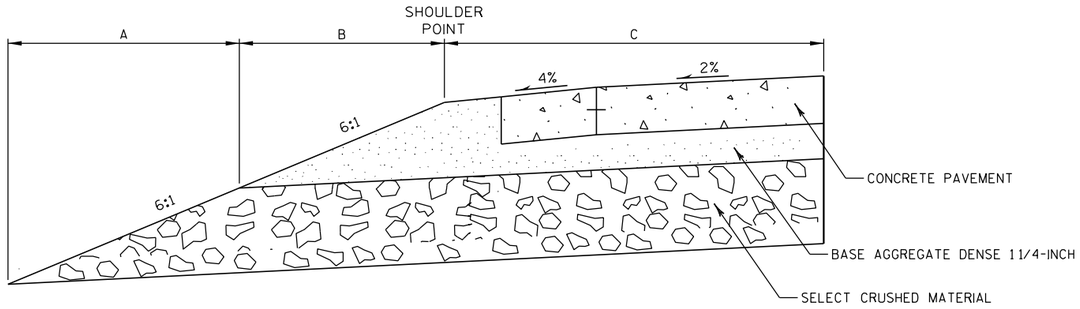
PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CONSTRUCTION DETAILS	SHEET	E



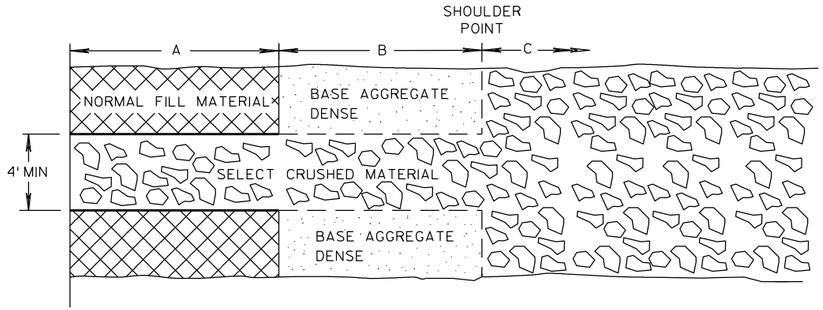
TYPICAL HALF SECTION
WITHOUT RELIEF TRENCH

CONSTRUCT RELIEF TRENCH AT:

IH 94 NB	IH 94 SB	RAMP EA	RAMP EB
142+40 RT	172+50 LT	166EA+00 RT	155EB+50 RT
145+10 RT	175+00 LT	168EA+50 RT	158EB+00 RT
146+00 RT	182+50 LT	170EA+00 RT	160EB+50 RT
148+50 RT	185+00 LT	172EA+50 RT	163EB+00 LT
150+50 RT	187+50 LT	174EA+00 RT	
153+00 RT	202+50 LT		
154+50 RT	205+00 LT		
156+00 RT	207+50 LT	RAMP EC	RAMP ED
158+50 RT	210+00 LT	152EC+00 LT	164ED+50 RT
176+50 RT	212+50 LT	154EC+50 LT	167ED+00 RT
179+00 RT	215+00 LT	157EC+00 LT	169ED+50 RT
192+50 RT	217+50 LT	159EC+50 LT	172ED+00 LT
210+00 RT	220+00 LT		174ED+50 LT
212+50 RT			177ED+00 LT
215+00 RT			179ED+50 LT
217+50 RT			
220+00 RT			

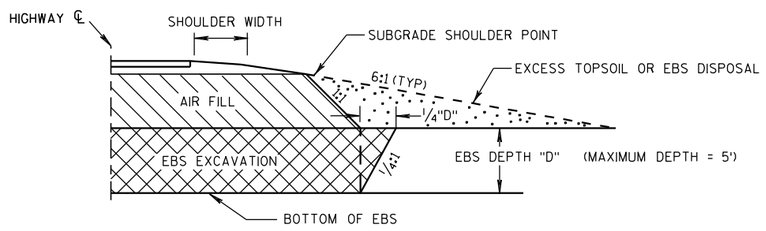


TYPICAL HALF SECTION
WITH RELIEF TRENCH

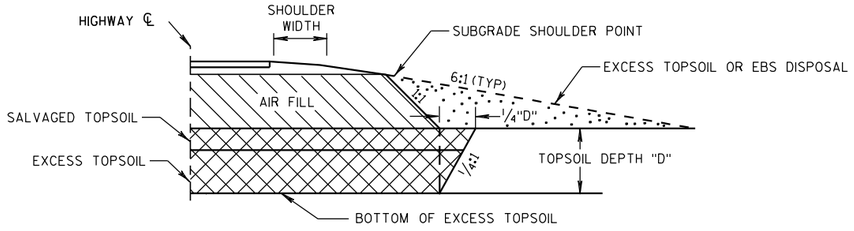


RELIEF TRENCH PLAN VIEW

RELIEF TRENCH

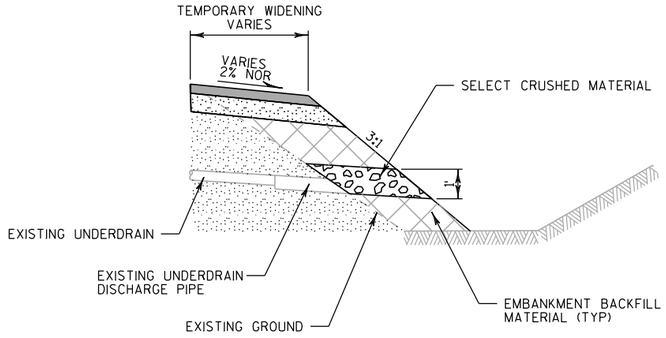


TYPICAL EBS EXCAVATION

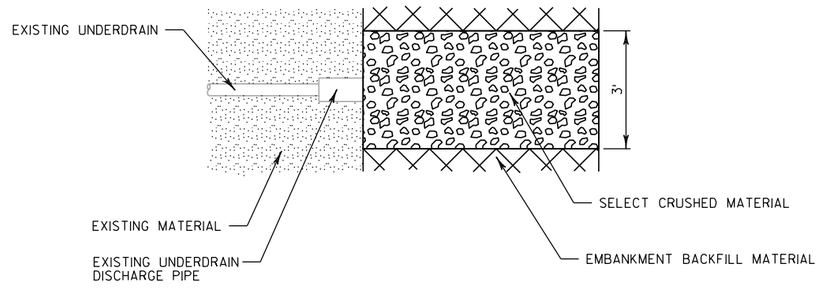


TYPICAL EXCESS TOPSOIL EXCAVATION

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CONSTRUCTION DETAILS	SHEET	E



SIDE VIEW



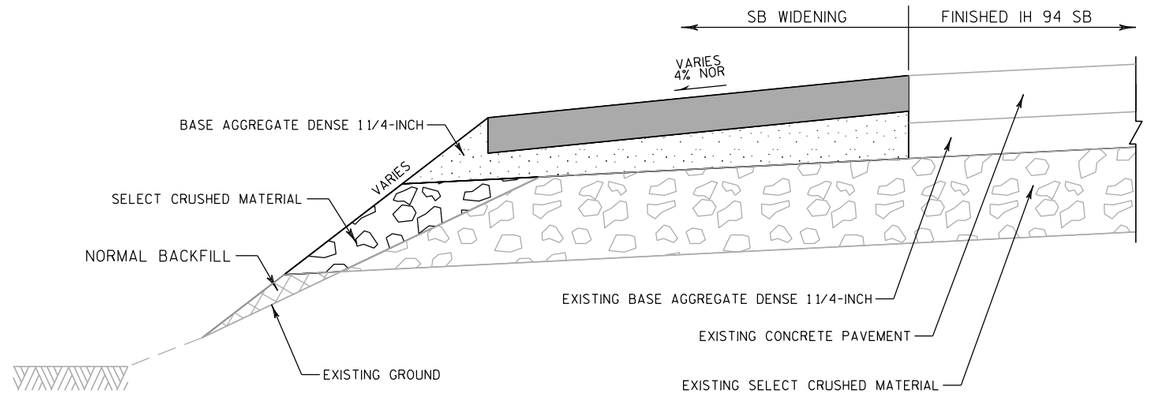
PLAN VIEW

CONSTRUCT RELIEF TRENCH AT APPROXIMATE LOCATIONS:

IH 94 NB WIDENING

1136+25	1163+50	1200+25
1139+75	1166+50	1203+25
1141+75	1169+50	1206+25
1143+25	1172+50	1209+25
1145+50	1175+25	1212+25
1147+50	1178+25	1215+25
1149+50	1181+25	1218+25
1151+50	1184+25	1221+25
1154+50	1187+25	
1157+50	1190+25	
1160+50	1193+25	

TEMPORARY WIDENING RELIEF TRENCH



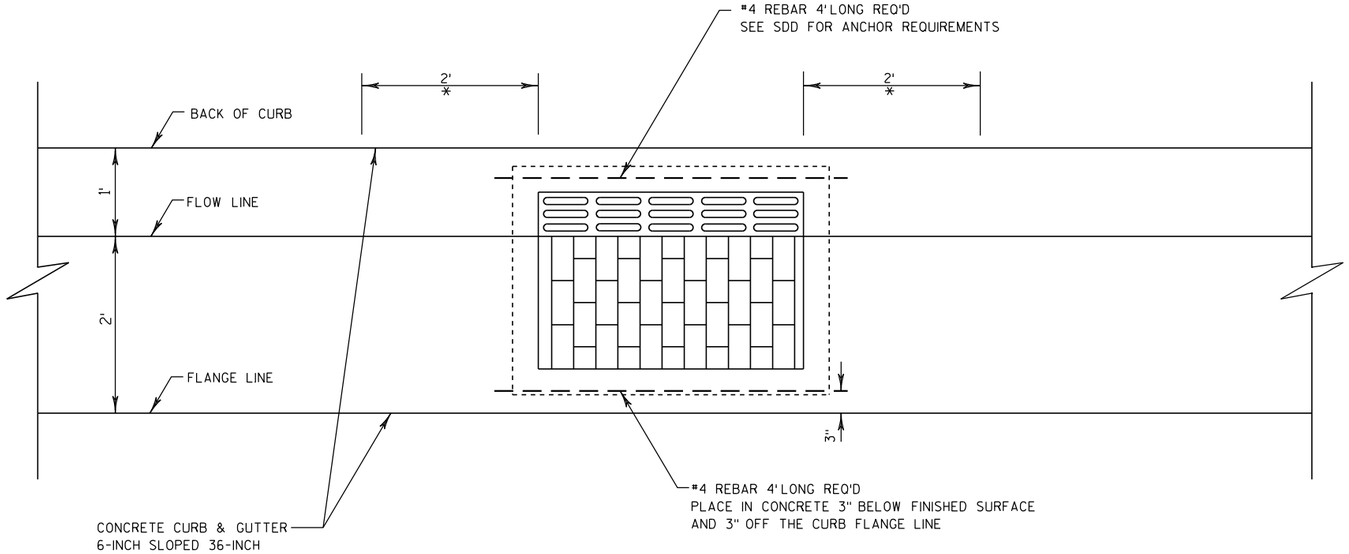
CONSTRUCT RELIEF TRENCH AT:

IH 94 SB

172+50
175+00
202+50
205+00
207+50
210+00
212+50
215+00
217+50
220+00

TYPICAL HALF SECTION WITH RELIEF TRENCH AT SB WIDENING

2



PLAN VIEW

* TRANSITION STANDARD CURB HEAD TO MATCH THE TYPE HM INLET COVER.

NOTES

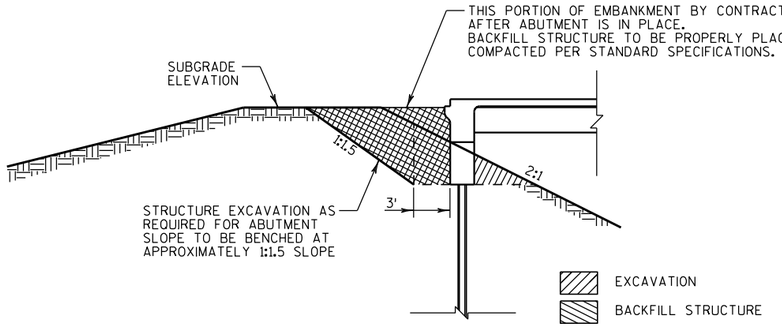
1. SEE SDD "INLET COVERS TYPE F, HM, HM-S, S, T, V, HM-GJ, & HM-GJ-S" FOR ADDITIONAL INFORMATION.

2. THE TWO 2-FOOT LONG CURB TRANSITION SEGMENTS ARE PAID AS CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH.

3. THE TWO 4-FOOT LENGTHS OF #4 REBAR ARE INCIDENTAL TO THE BID ITEM "INLET COVERS TYPE HM".

INLET COVERS, TYPE HM

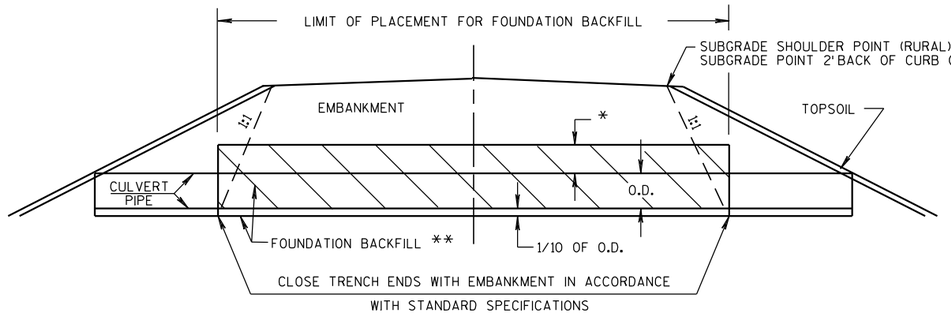
PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CONSTRUCTION DETAILS	SHEET	E



NOTE

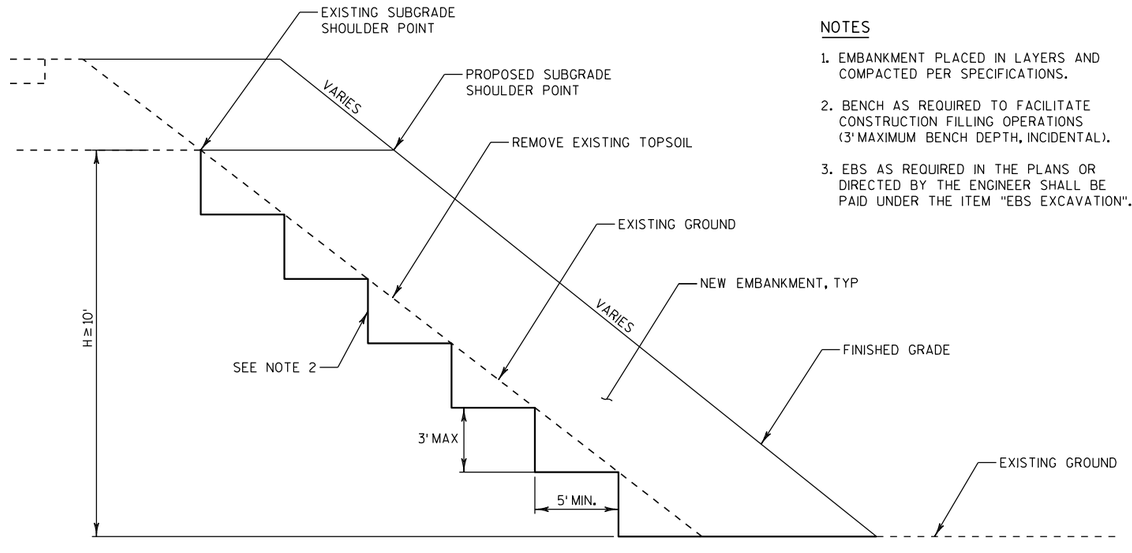
THE EMBANKMENT CONFIGURATION SHOWN IS THE MINIMUM EMBANKMENT THAT MUST BE CONSTRUCTED PRIOR TO CONSTRUCTION OF THE ABUTMENTS.

EMBANKMENT CONSTRUCTION & BACKFILL STRUCTURE DETAIL



O.D. = OUTSIDE DIAMETER
* CULVERT PIPE IN NEW EMBANKMENT = 1' MIN
* CULVERT PIPE IN EXISTING EMBANKMENT = TO EXISTING GROUND ELEVATION
** INCIDENTAL TO CULVERT PIPE

CULVERT BACKFILL DETAIL



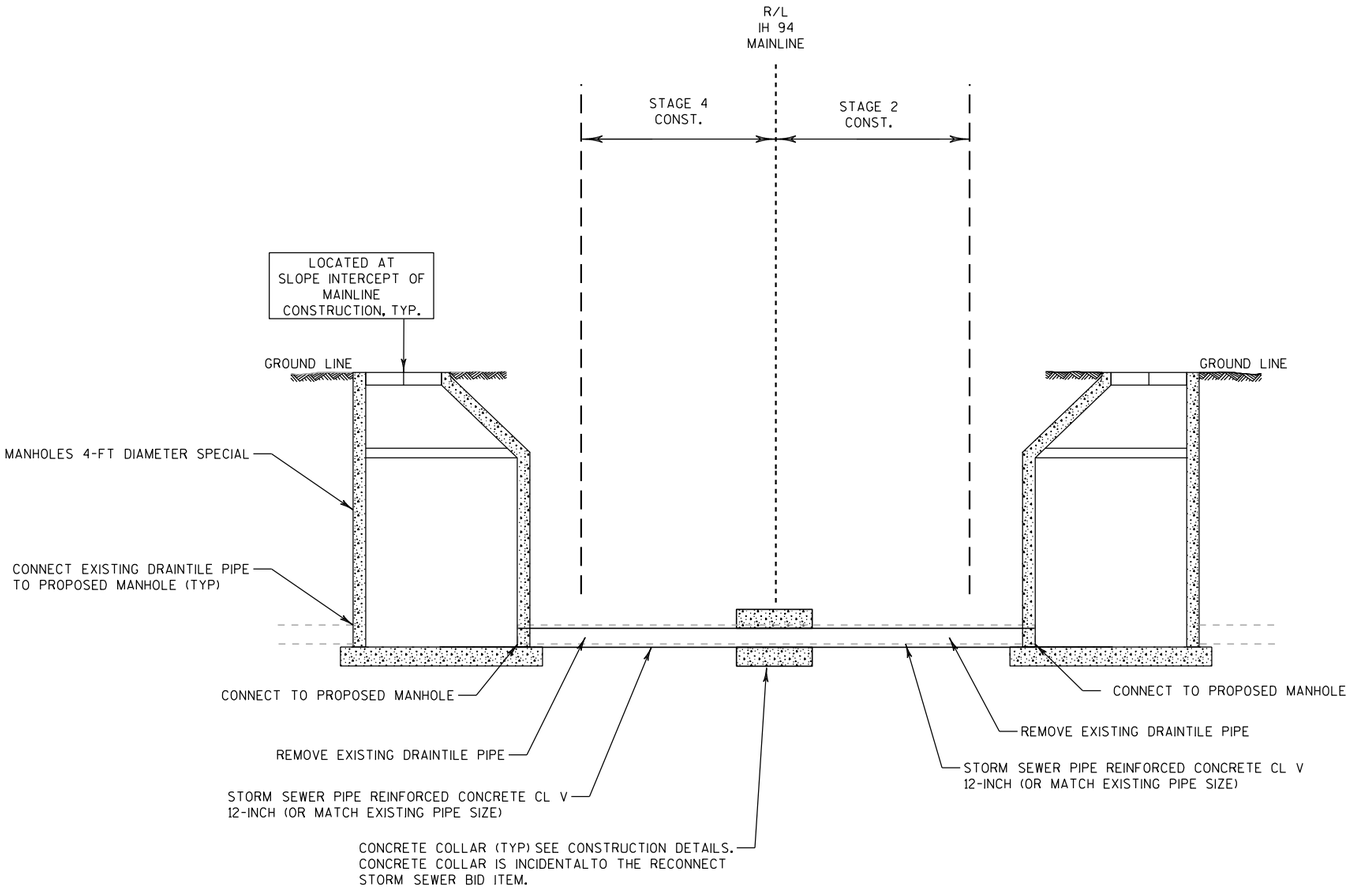
NOTES

1. EMBANKMENT PLACED IN LAYERS AND COMPACTED PER SPECIFICATIONS.
2. BENCH AS REQUIRED TO FACILITATE CONSTRUCTION FILLING OPERATIONS (3' MAXIMUM BENCH DEPTH, INCIDENTAL).
3. EBS AS REQUIRED IN THE PLANS OR DIRECTED BY THE ENGINEER SHALL BE PAID UNDER THE ITEM "EBS EXCAVATION".

STEPPED EMBANKMENT

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CONSTRUCTION DETAILS	SHEET	E

2



DRAINTILE CONFIGURATION

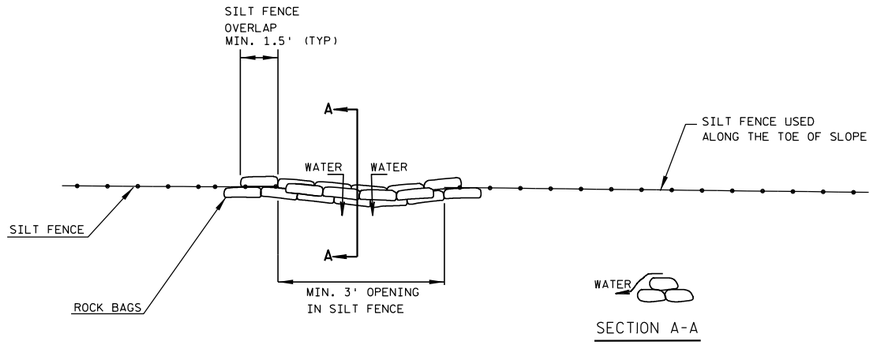
(FOR MAINLINE CROSSINGS)

STAGING NOTES

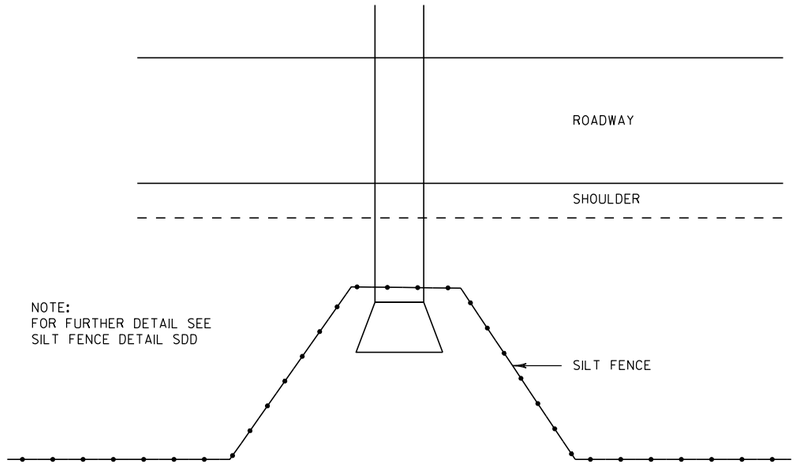
1. REFER TO STAGING PLANS TO DETERMINE APPROPRIATE SIDE TO CONSTRUCT FIRST.
2. CONSTRUCT PROPOSED MANHOLE AND REMOVE EXISTING DRAIN TILE FROM MANHOLE TO R/L OF IH 94. INSTALL NEW STORM SEWER PIPE REINFORCED CONCRETE CL V AND CONSTRUCT CONCRETE COLLARS AS SHOWN AT EXISTING TILE/NEW SSPRC CONNECTIONS.
3. REMOVE REMAINING EXISTING DRAINTILE. REMOVE CONCRETE COLLAR PLACED IN PREVIOUS STAGE. INSTALL REMAINING STORM SEWER PIPE REINFORCED CONCRETE CL V FROM EXISTING MANHOLE TO EXISTING SSPRC PLACED IN PREVIOUS MAINLINE STAGE. CONSTRUCT CONCRETE COLLARS AS SHOWN AT EXISTING SSPRC/NEW SSPRC CONNECTIONS.

NOTES

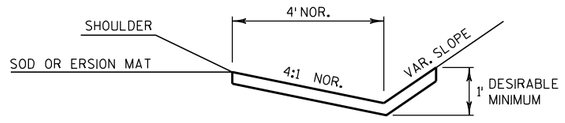
1. IF EXISTING DRAIN TILE IS LARGER THAN 12", MATCH THE EXISTING SIZE IN THE FIELD.
2. GRADING AT MANHOLES WITHIN THE CLEAR ZONE OF THE MAINLINE IS TO BE FLUSH WITH TOP OF THE MANHOLE.



ROCK BAGS USED FOR SILT FENCE RELIEF DETAIL

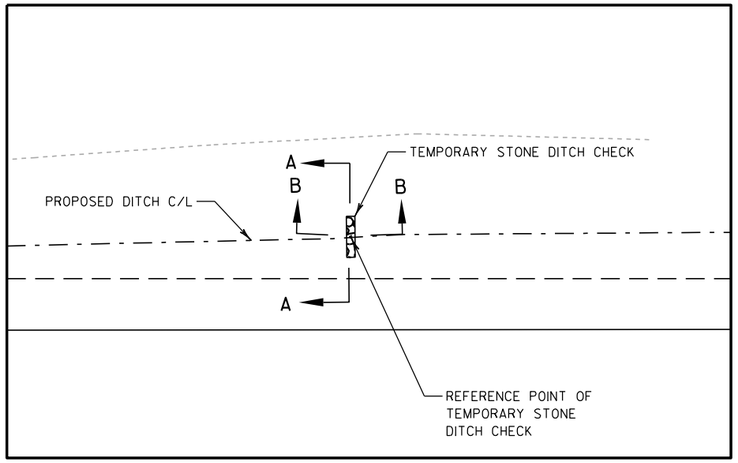


TYPICAL SILT FENCE DETAIL AT PIPE INLET

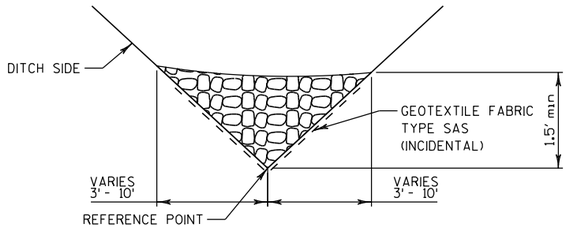


SOD OR EROSION MAT DETAIL FOR DITCHES

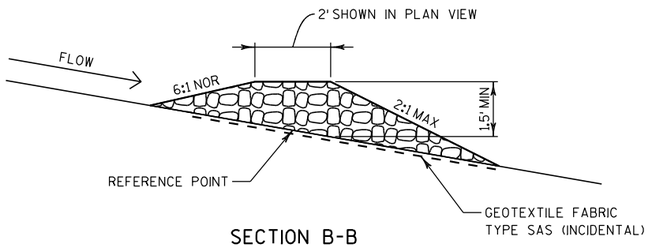
PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CONSTRUCTION DETAILS	SHEET	E



PLAN VIEW



SECTION A-A



SECTION B-B

GENERAL NOTES

STONE DITCH CHECKS MUST BE INSTALLED WITH THE CENTER LOWER THAN THE SIDES FORMING A WEIR (SEE SECTION A-A).

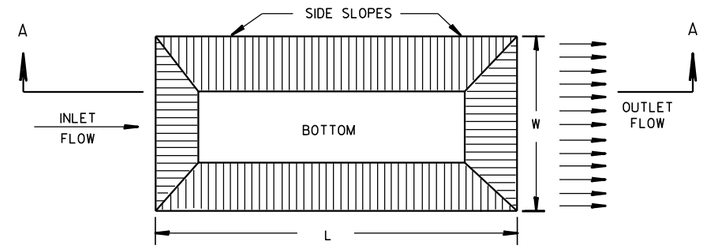
STONE DITCH CHECKS SHALL HAVE A MINIMUM TOP WIDTH OF 2-FT MEASURED IN THE DIRECTION OF FLOW WITH MAXIMUM SLOPES OF 2:1 ON THE UPSLOPE AND 2:1 ON THE DOWN SLOPE SIDE.

STONE DITCH CHECKS SHALL BE CONSTRUCTED OF A WELL-GRADED LIGHT RIPRAP MATERIAL.

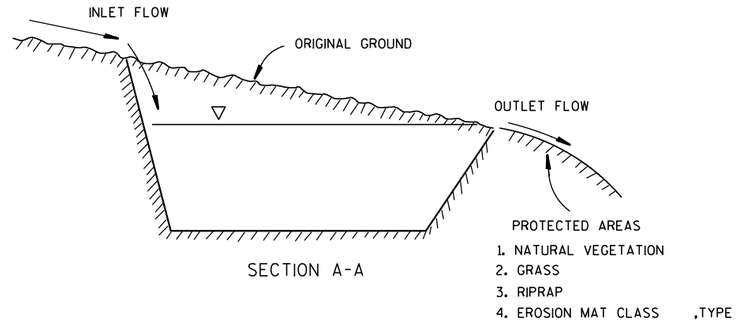
STONE DITCH CHECKS IDENTIFIED IN STORM SEWER PLAN ARE PERMANENT AND SHALL NOT BE REMOVED UPON COMPLETION OF CONSTRUCTION.

TEMPORARY STONE DITCH CHECKS

2

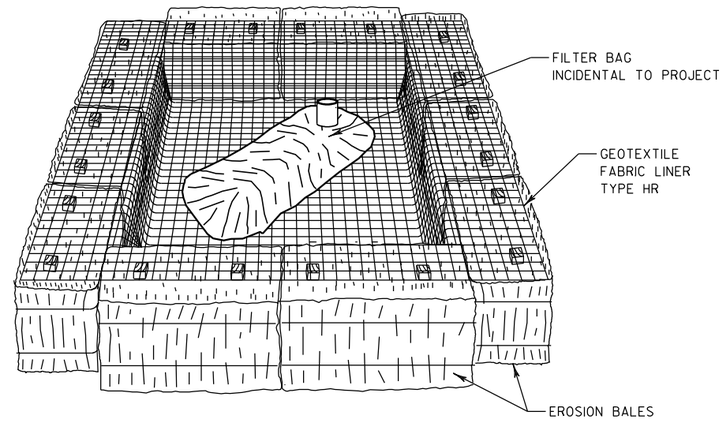


PLAN VIEW



SECTION A-A

TYPICAL EXCAVATED SEDIMENT TRAP



TEMPORARY SETTLING BASIN

(SIZE TO BE DETERMINED IN FIELD AS INDICATED BELOW:)

STORAGE VOLUME (C.F.) = 16 X GPM (PUMP RATE)

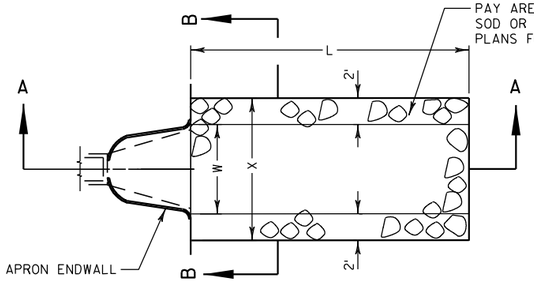
EXAMPLE:
CONTRACTOR INDICATES PUMP CAPABLE OF 50 GPM
HEIGHT OF BALES = 1.5 FT.

SOLUTION:
SV (C.F.) = 16 X 50
SV = 800 C.F.

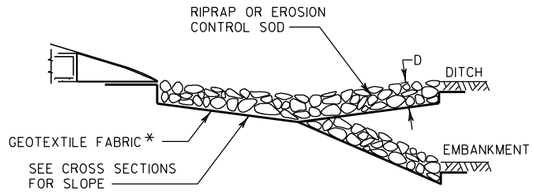
$\frac{800\ C.F.}{1.5\ FT.}$ = 533 S.F.

USE A 20 FT. X 27 FT. BASIN

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CONSTRUCTION DETAILS	SHEET	E



PLAN VIEW



SECTION A-A

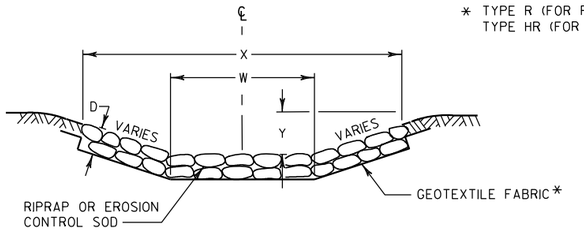
L = 3 x W (NOR) OR 10' MIN
OR AS INDICATED IN THE PLANS
OR AS DIRECTED BY THE ENGINEER

D = 12" FOR RIPRAP LIGHT
18" FOR RIPRAP MEDIUM
24" FOR RIPRAP HEAVY

X = W+4' FOR TYPICAL CULVERT
DISCHARGE INTO DITCH
W+6' FOR CULVERT DISCHARGE
DOWN EMBANKMENT SLOPE

Y = 0' FOR TYPICAL CULVERT
DISCHARGE INTO DITCH
6" FOR CULVERT DISCHARGE
DOWN EMBANKMENT SLOPE

* TYPE R (FOR RIPRAP LIGHT ONLY)
TYPE HR (FOR RIPRAP HEAVY AND MEDIUM ONLY)



SECTION B-B

CONSTRUCTION NOTES

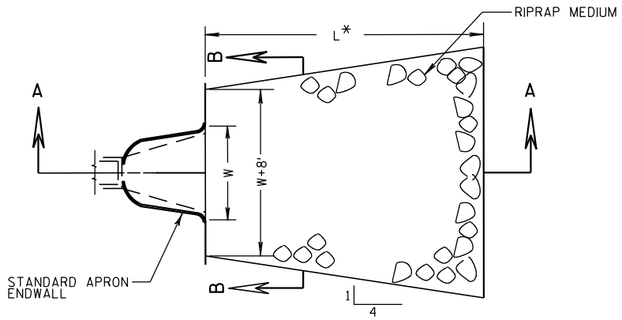
1. GEOTEXTILE FABRIC SHALL EXTEND BENEATH THE ENTIRE LENGTH OF THE APRON ENDWALL SECTION. INSTALL ON PREPAVED FOUNDATION. GRADE PRIOR TO END WALL INSTALLATION.

2. COMPLETE GEOTEXTILE FABRIC AND RIPRAP SECTION INSTALLATION PRIOR TO STORM WATER FLOW.

SOD, RIPRAP AND GEOTEXTILE FABRIC DETAIL AT APRON ENDWALLS

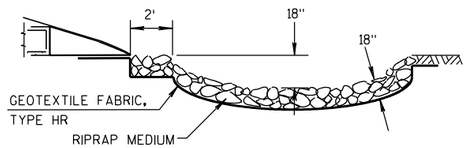
SEE EROSION CONTROL PLAN FOR LOCATIONS

2

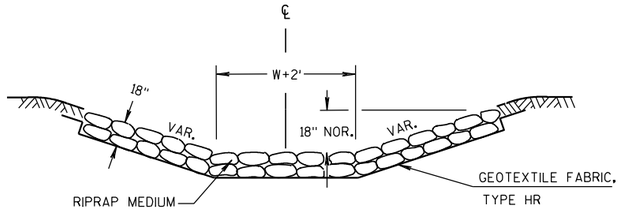


PLAN VIEW

* L = 3 TIMES W OR 10' MIN.
OR AS DIRECTED BY THE ENGINEER



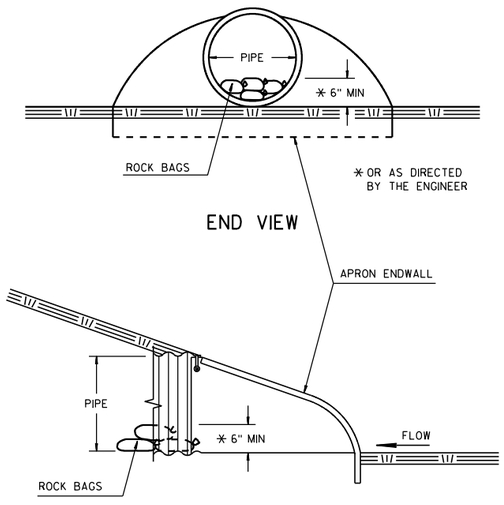
SECTION A-A



SECTION B-B

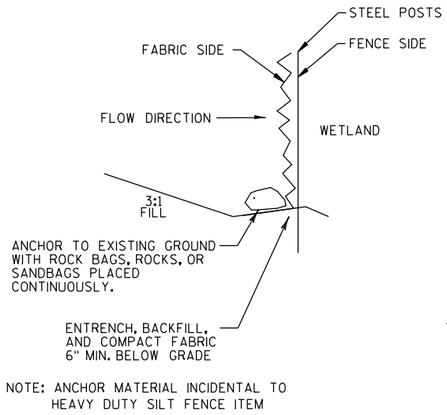
SOD, RIPRAP AND GEOTEXTILE FABRIC DETAIL AT POND OUTFALL ENDWALLS

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CONSTRUCTION DETAILS	SHEET	E

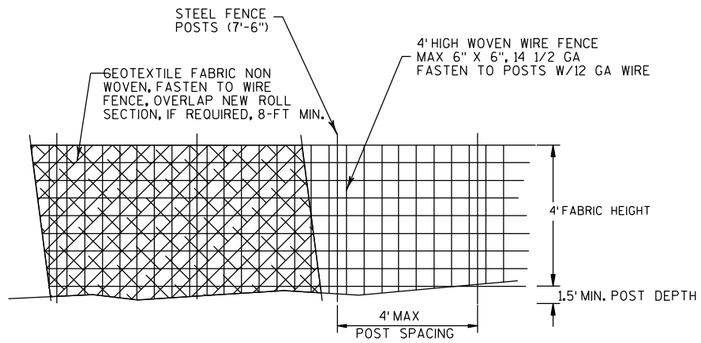


ESTIMATED BAG SIZE = 18" X 12" X 6"	
PIPE SIZE	ESTIMATED NUMBER OF BAGS
12"	1
15"	2
18"	2
24"	3
30"	5
36"	7
42"	7
48"	10
54"	10
60"	13
66"	14
72"	16
13"X17"	2
19"X30"	5
24"X38"	7
29"X45"	10
34"X53"	10
38"X60"	13
48"X76"	18

CULVERT PIPE ENDS

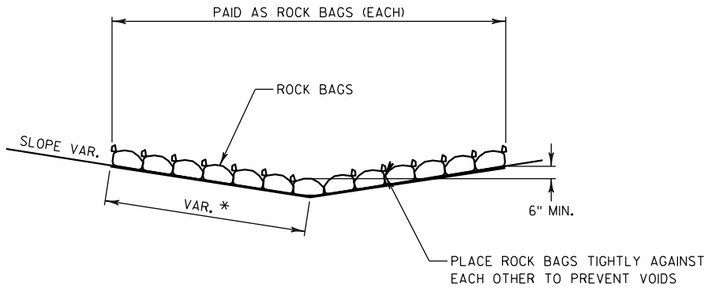


NOTE: ANCHOR MATERIAL INCIDENTAL TO HEAVY DUTY SILT FENCE ITEM

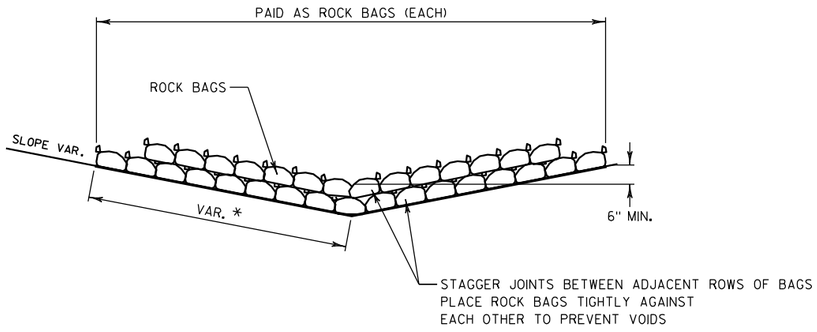


HEAVY DUTY SILT FENCE

2



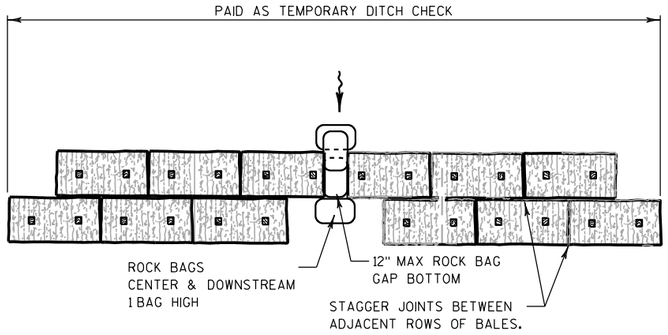
SIDE VIEW (SINGLE LAYER)



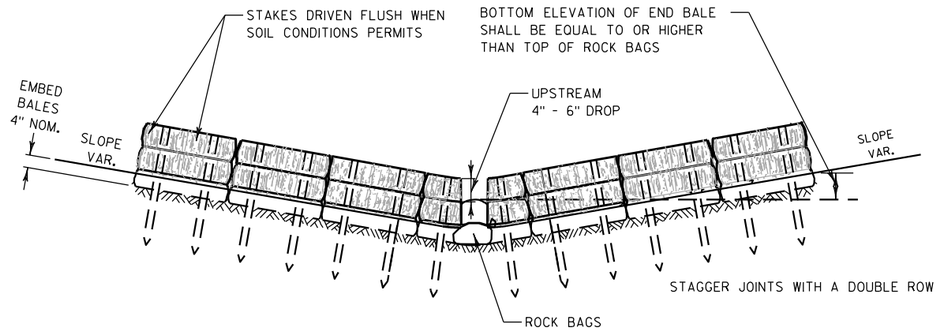
* LENGTH AND NUMBER OF BAGS MAY VARY
DEPENDING ON DESIRED DEPTH OF WATER POOL.

SIDE VIEW (DOUBLE LAYER)

TEMPORARY DITCH CHECK, ROCK BAGS, SINGLE LAYER AND DOUBLE LAYER



PLAN VIEW



FRONT ELEVATION

NOTE

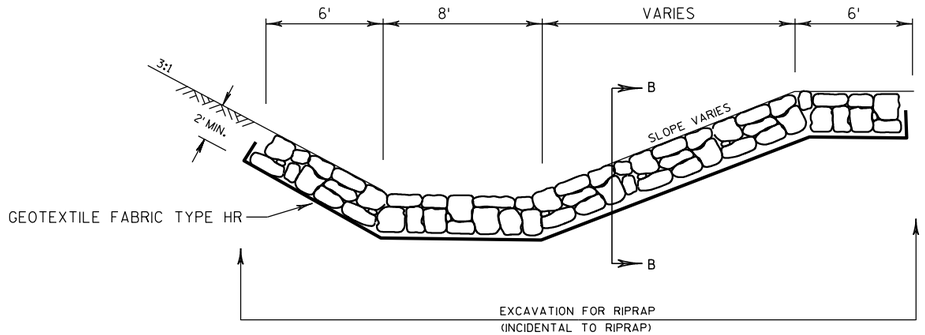
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

TEMPORARY DITCH CHECK, MODIFIED

TEMPORARY DITCH CHECKS

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CONSTRUCTION DETAILS	SHEET	E

2

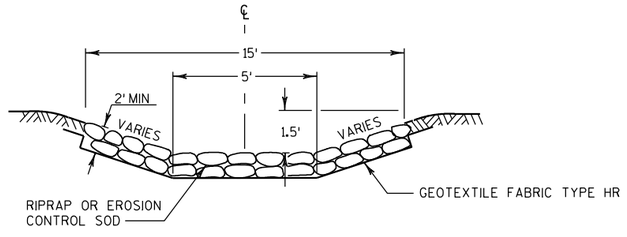


DETAIL FOR RIPRAP IN DITCHES

STA 167ED+00
STA 177ED+50

MINIMUM ROCK SIZE

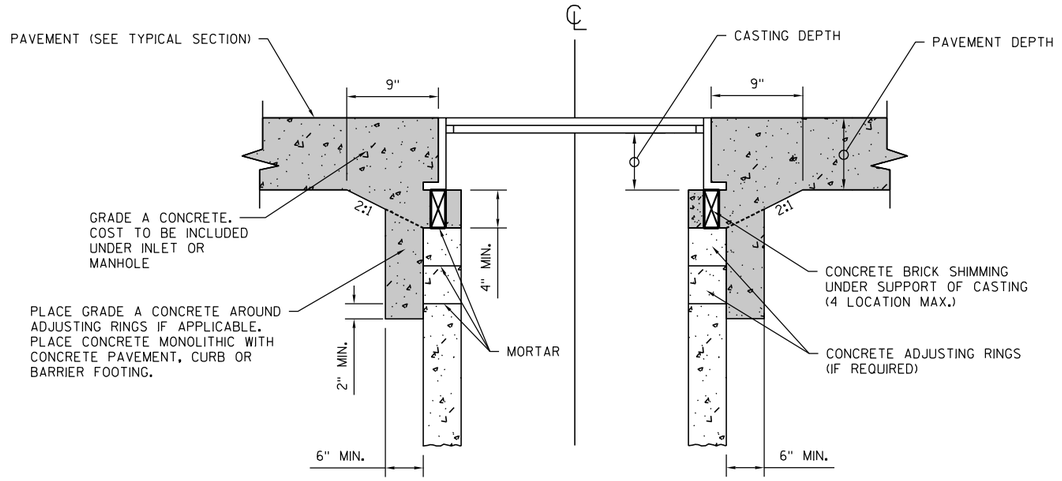
12" FOR SLOPES 7% OR LESS
18" FOR SLOPES OVER 7%. EXCEPT FOR
MATERIALS TO FILL VOIDS.
ROCK CAN BE MACHINE SELECTED AND
MACHINE PLACED. FINISH NEED NOT BE SMOOTH.



SECTION B-B

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CONSTRUCTION DETAILS	SHEET	E

2



NOTE

PROVIDE MONOLITHIC CONCRETE SHIMMING FOR FINAL ADJUSTMENT OF DRAINAGE STRUCTURES LOCATED WITHIN THE ROADWAY CONCRETE PAVEMENT AND CONCRETE CURB & GUTTER.

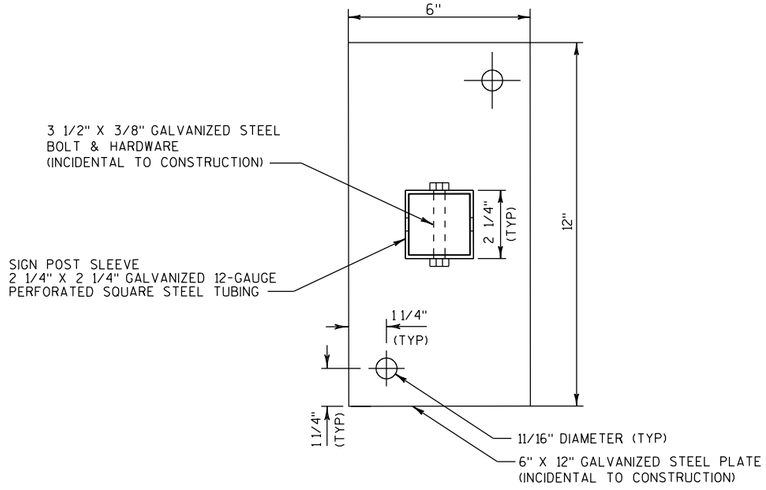
MONOLITHIC CONCRETE

MONOLITHIC CONCRETE SHIMMING DETAIL

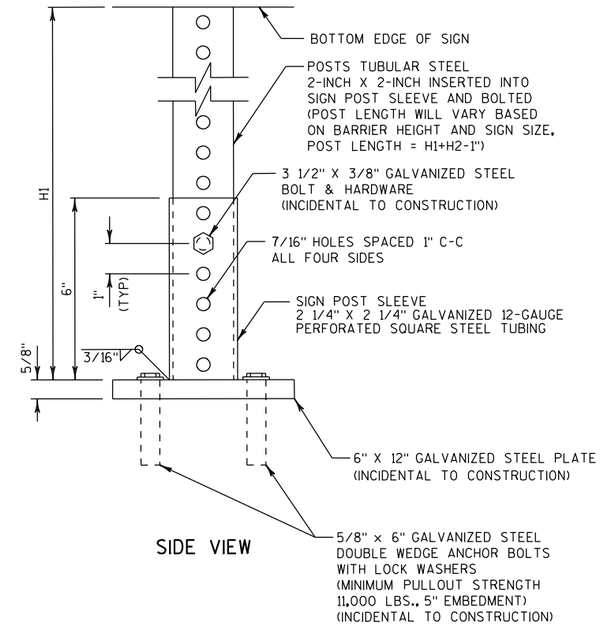
PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CONSTRUCTION DETAILS	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\021001_cd.dgn PLOT DATE : 11-JUL-2018 21:38 PLOT BY : MSCD1S PLOT NAME : 021001_cd23 PLOT SCALE : 2:1

2

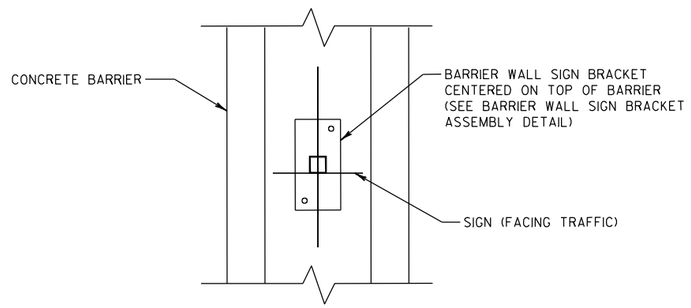


PLAN VIEW

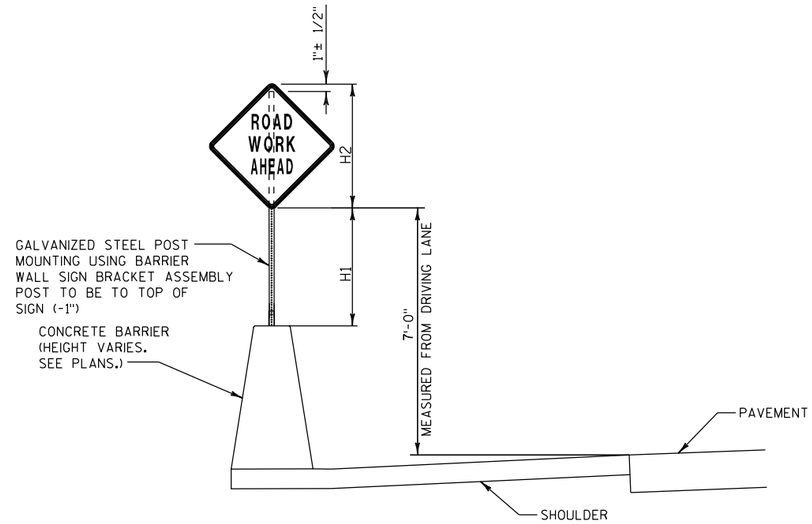


SIDE VIEW

BARRIER WALL SIGN BRACKET ASSEMBLY DETAIL



PLAN VIEW



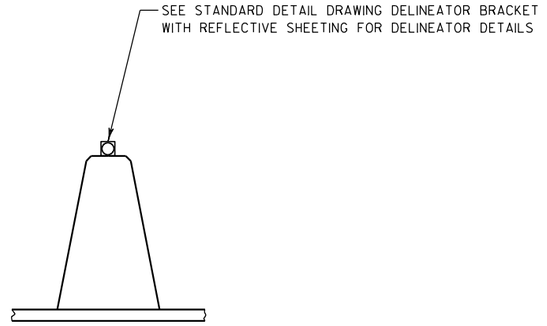
SIDE VIEW

MEDIAN BARRIER MOUNTING DETAIL

MOUNTING SIGNS TO MEDIAN BARRIER

NOT TO SCALE

2



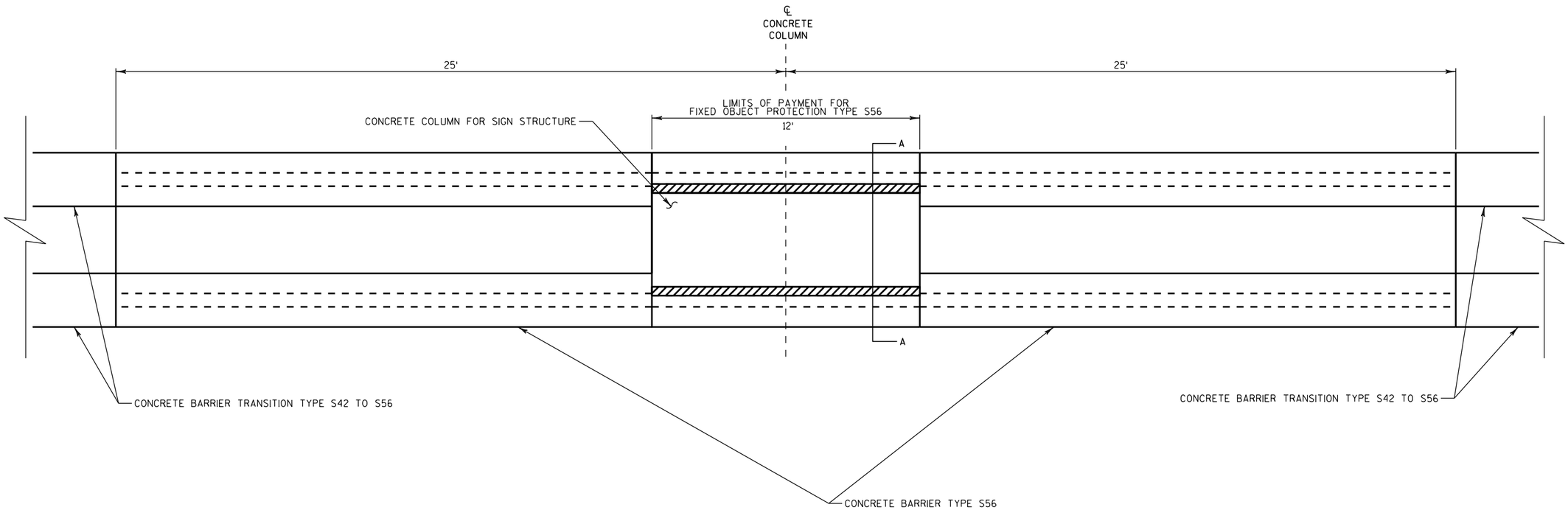
DELINEATOR SPACING ON HORIZONTAL CURVES

RADIUS OF CURVE	APPROXIMATE SPACING ON CURVE
50 FEET	20 FEET
115 FEET	25 FEET
180 FEET	35 FEET
250 FEET	40 FEET
300 FEET	50 FEET
400 FEET	55 FEET
500 FEET	65 FEET
600 FEET	70 FEET
700 FEET	75 FEET
800 FEET	80 FEET
900 FEET	85 FEET
1000 FEET	90 FEET

DELINEATOR SPACING ON RADIUS GREATER THAN 1000 FEET OR TANGENT SECTIONS

	LENGTH OF BARRIER	REFLECTOR SPACING	NO. SURFACES REFLECTORIZED	MIN. NO. REFLECTIORS
ONE WAY TRAFFIC	< 200'	50' C-C	1	3
	> 200'	100' C-C	1	
TWO WAY TRAFFIC	< 200'	25' C-C	1	6
	> 200'	50' C-C	1	
TWO WAY TRAFFIC	< 200'	50' C-C	2	3
	> 200'	100' C-C	2	

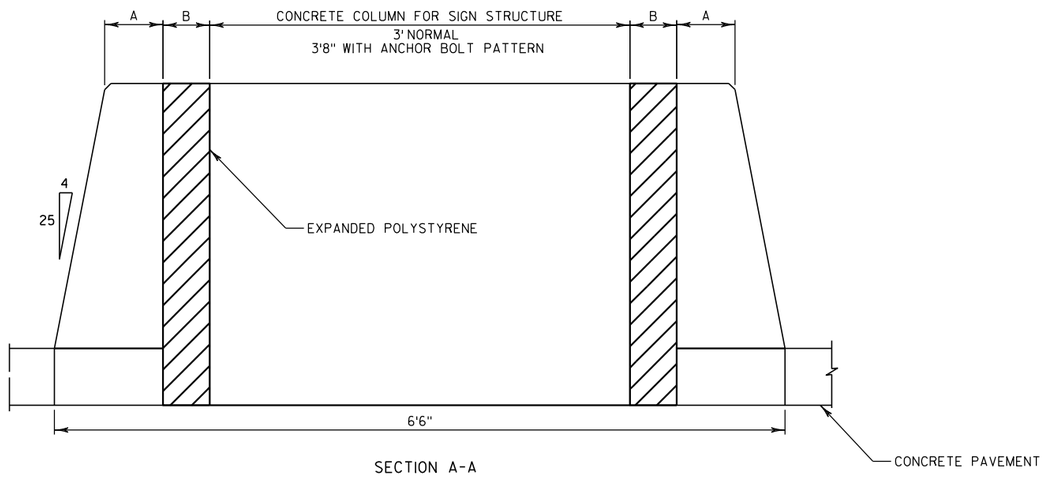
DELINEATION



NOTES

DIMENSION A = 4" FOR 3'8" WIDE COLUMN
8" FOR 3' WIDE COLUMN

DIMENSION B = 1" FOR 3'8" WIDE COLUMN
4" FOR 3' WIDE COLUMN

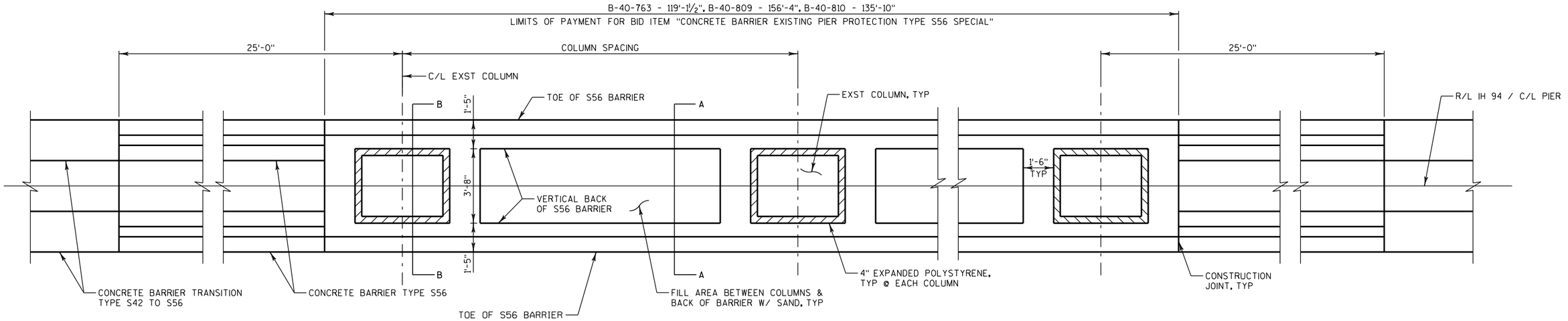


SECTION A-A

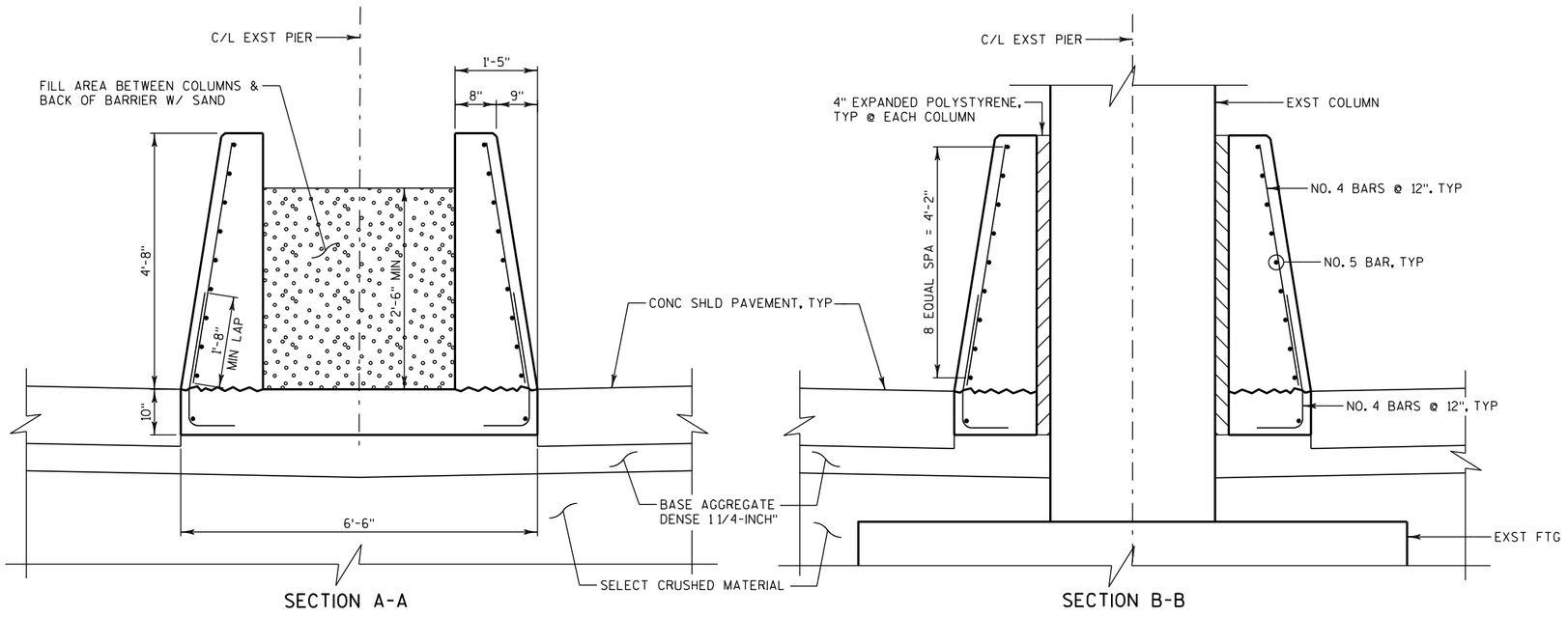
CONCRETE BARRIER FIXED OBJECT PROTECTION

FOR USE AT MEDIAN SIGN STRUCTURE COLUMNS
SUPPLEMENT TO S.D.D. 14B32

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CONSTRUCTION DETAILS	SHEET	E



PLAN



NOTES:

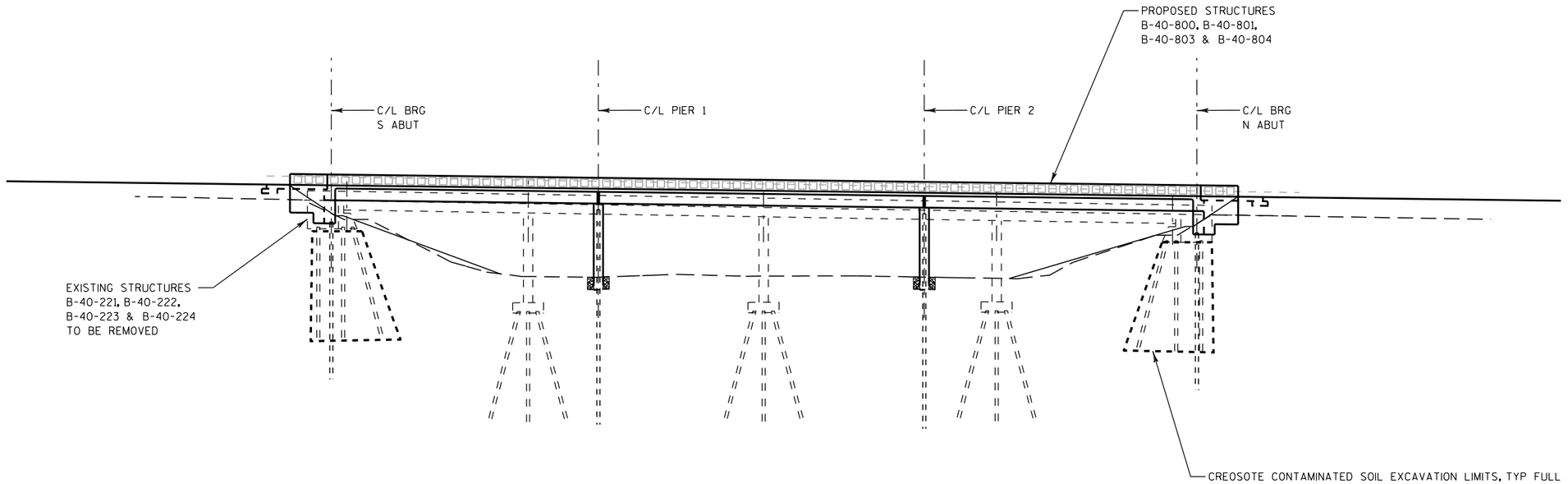
FOR USE IN THE IH 94 MEDIAN AT EXISTING COLUMNS OF THE FOLLOWING BRIDGES:
B-40-802 - ELM ROAD

SEE S.D.D. 14B32 FOR ADDITIONAL INFORMATION IN GENERAL NOTES

CONCRETE BARRIER EXISTING PIER PROTECTION TYPE S56 SPECIAL

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CONSTRUCTION DETAILS	SHEET	E

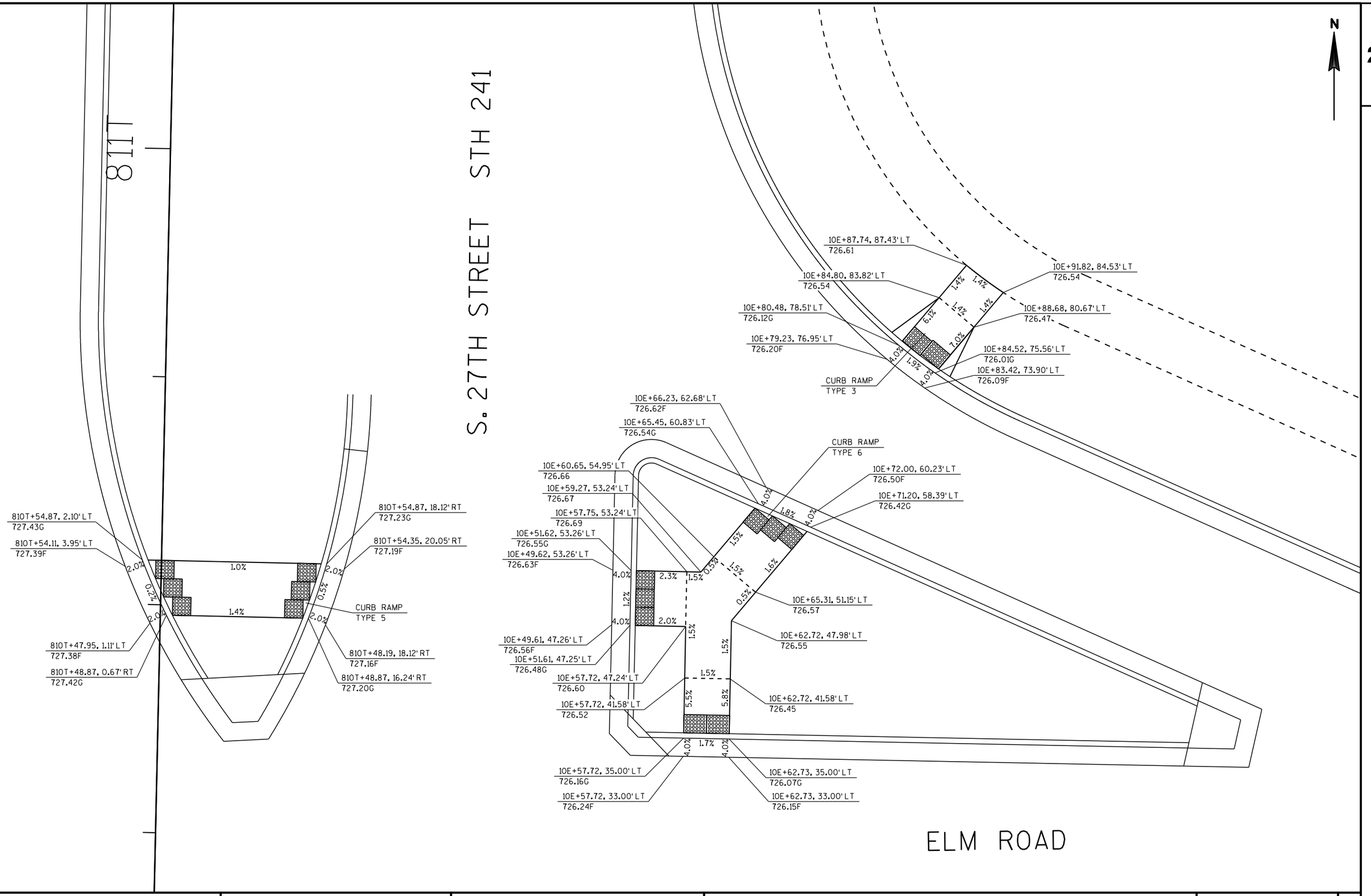
2



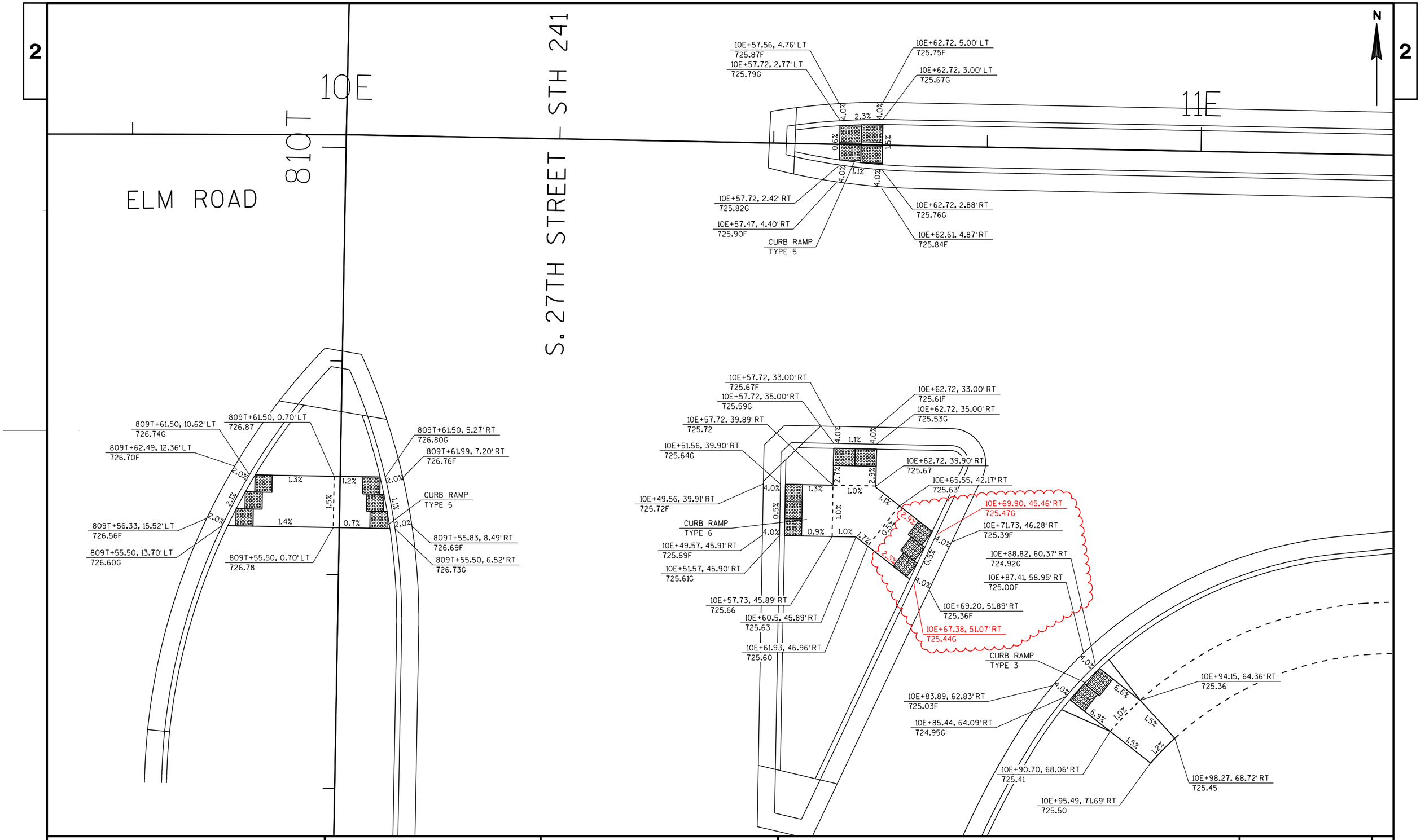
NOTE:
EXISTING PIER LOCATIONS AND PROPOSED
GRADING UNDER BRIDGES VARY BY LOCATION

EXCAVATION, HAULING, AND DISPOSAL OF CREOSOTE CONTAMINATED SOIL

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CONSTRUCTION DETAILS	SHEET	E



PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CONSTRUCTION DETAILS	SHEET	E



PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CONSTRUCTION DETAILS	SHEET	E

2

N

ELM ROAD

162ED

RAMP ED

28E

27E+80.48, 80.20' LT
711.10

27E+77.89, 77.68' LT
711.15

27E+81.58, 73.55' LT
711.07

27E+85.12, 77.23' LT
711.02

27E+90.74, 73.63' LT
710.57G

27E+92.24, 72.31' LT
710.65F

28E+08.44, 62.90' LT
710.83G

28E+06.67, 63.82' LT
710.91F

CURB RAMP
TYPE 3

27E+88.58, 68.51' LT
710.69F

27E+87.20, 69.96' LT
710.61G

28E+03.87, 58.49' LT
710.98F

28E+05.65, 57.56' LT
710.90G

28E+09.88, 54.84' LT
711.25

28E+12.41, 53.23' LT
711.29

28E+10.30, 47.51' LT
711.19G

28E+10.45, 45.52' LT
711.27F

CURB RAMP
TYPE 6

28E+12.77, 60.13' LT
711.19

28E+15.31, 58.50' LT
711.23

28E+20.04, 58.50' LT
711.29

28E+18.54, 52.50' LT
711.35

28E+16.88, 48.01' LT
711.24G

28E+17.03, 46.02' LT
711.32F

28E+30.99, 58.50' LT
711.15G

28E+32.92, 58.00' LT
711.23F

28E+31.32, 52.00' LT
711.33F

28E+29.39, 52.50' LT
711.25G

28E+50.53, 58.00' LT
711.30G

28E+48.60, 58.50' LT
711.38F

CURB RAMP
TYPE 2

28E+48.33, 52.50' LT
711.47F

28E+50.26, 53.00' LT
711.39G

28E+57.13, 53.00' LT
711.69

28E+57.13, 58.00' LT
711.76

28E+62.13, 58.00' LT
711.83

28E+62.13, 53.00' LT
711.76

27E+98.79, 17.00' LT
711.74F

27E+98.79, 15.00' LT
711.66G

CURB RAMP
TYPE 3

28E+04.12, 17.00' LT
711.79F

28E+04.12, 15.00' LT
711.71G

27E+96.49, 8.79' LT
712.12

28E+01.18, 7.05' LT
712.19

27E+94.55, 3.54' LT
712.18

27E+92.78, 1.87' RT
712.10

27E+99.27, 1.90' LT
712.25

27E+97.63, 3.13' RT
712.17

27E+91.67, 7.57' RT
712.02

27E+96.58, 8.53' RT
712.09

27E+90.23, 15.00' RT
711.58G

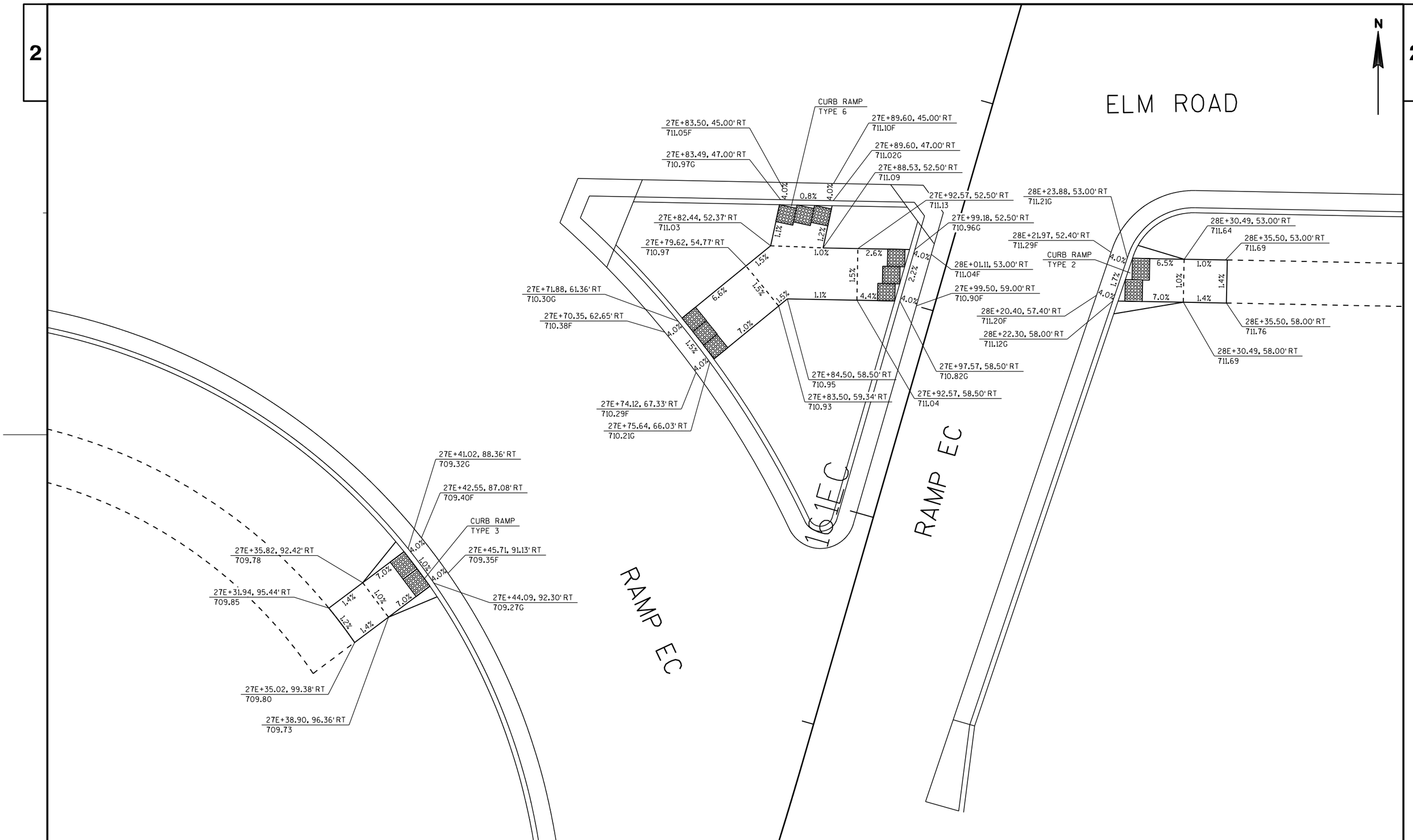
27E+95.32, 15.00' RT
711.63G

27E+90.23, 17.00' RT
711.66F

27E+95.32, 17.00' RT
711.71F

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CONSTRUCTION DETAILS	SHEET	E

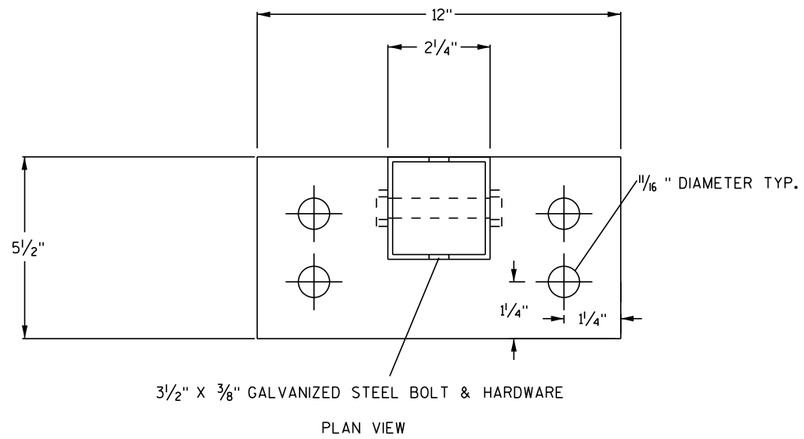
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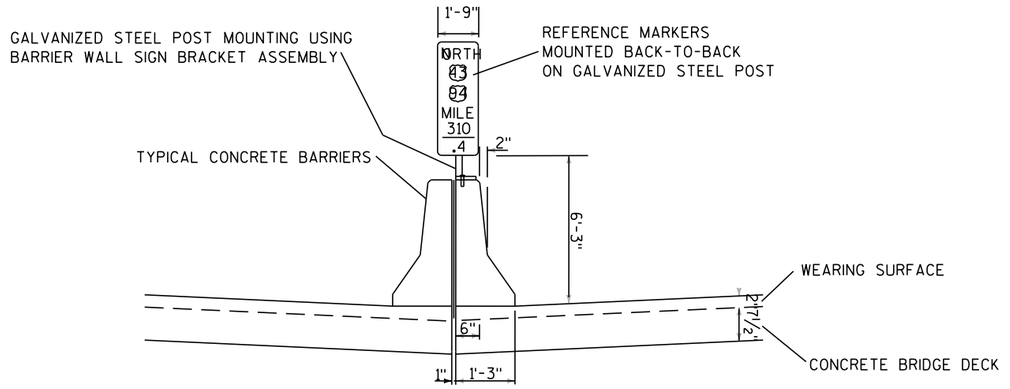
PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CONSTRUCTION DETAILS	SHEET	E

2

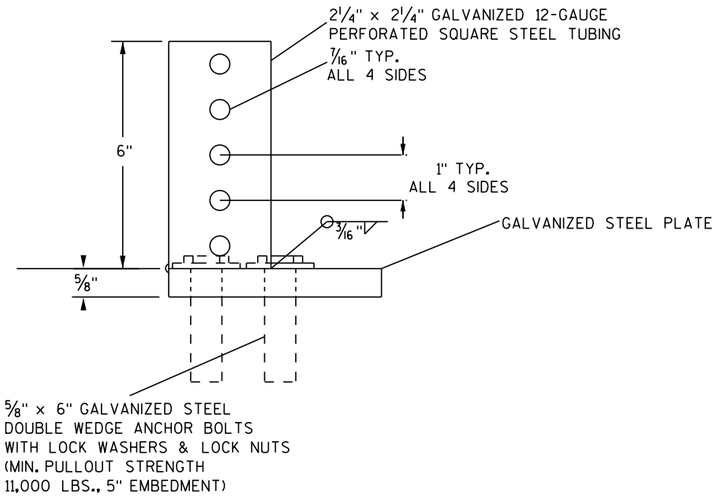
BARRIER WALL SIGN BRACKET ASSEMBLY
NOT TO SCALE



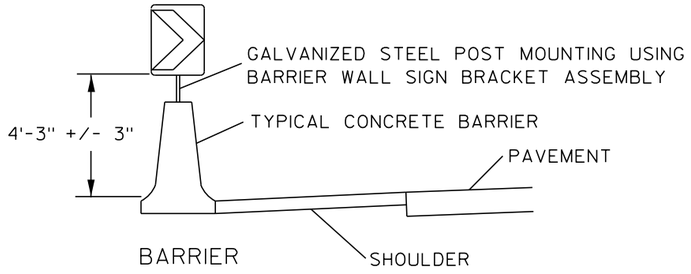
PLAN VIEW



DOUBLE MEDIAN BRIDGE PARAPET



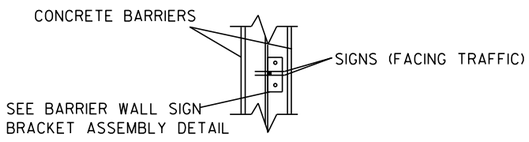
ELEVATION VIEW



NOTES
1) ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH STANDARD SPECIFICATION
2) ALL MATERIAL TO BE APPROVED BY ENGINEER BEFORE INSTALLATION
3) SEE SIGN PLATE A4-8 FOR BOLT REQUIREMENTS.

DOUBLE MEDIAN BARRIER

TYPICAL SIGN PLACEMENT DETAILS

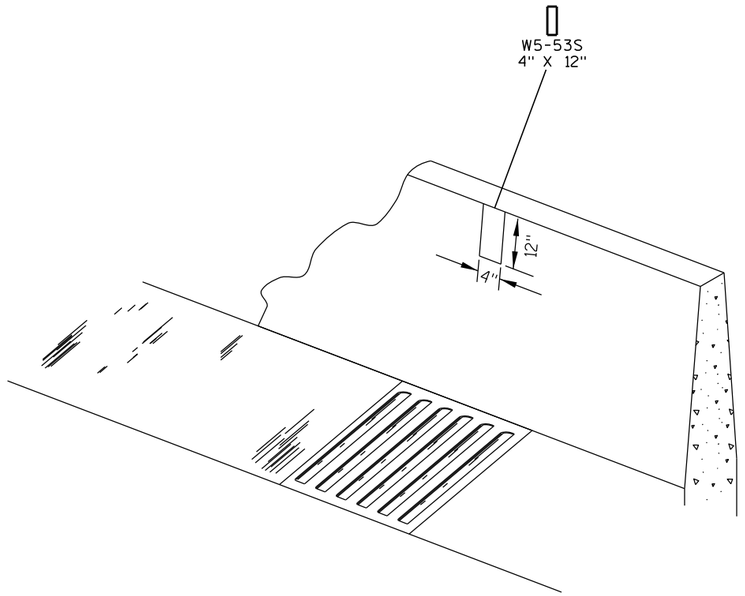


PLAN VIEW

MEDIAN BRIDGE PARAPET MOUNTING DETAIL

PROJECT NO: 1030-20-87	HWY: IH-94	COUNTY: MILWAUKEE	MILE MARKER MOUNTING - DOUBLE BARRIER	SHEET	E

2



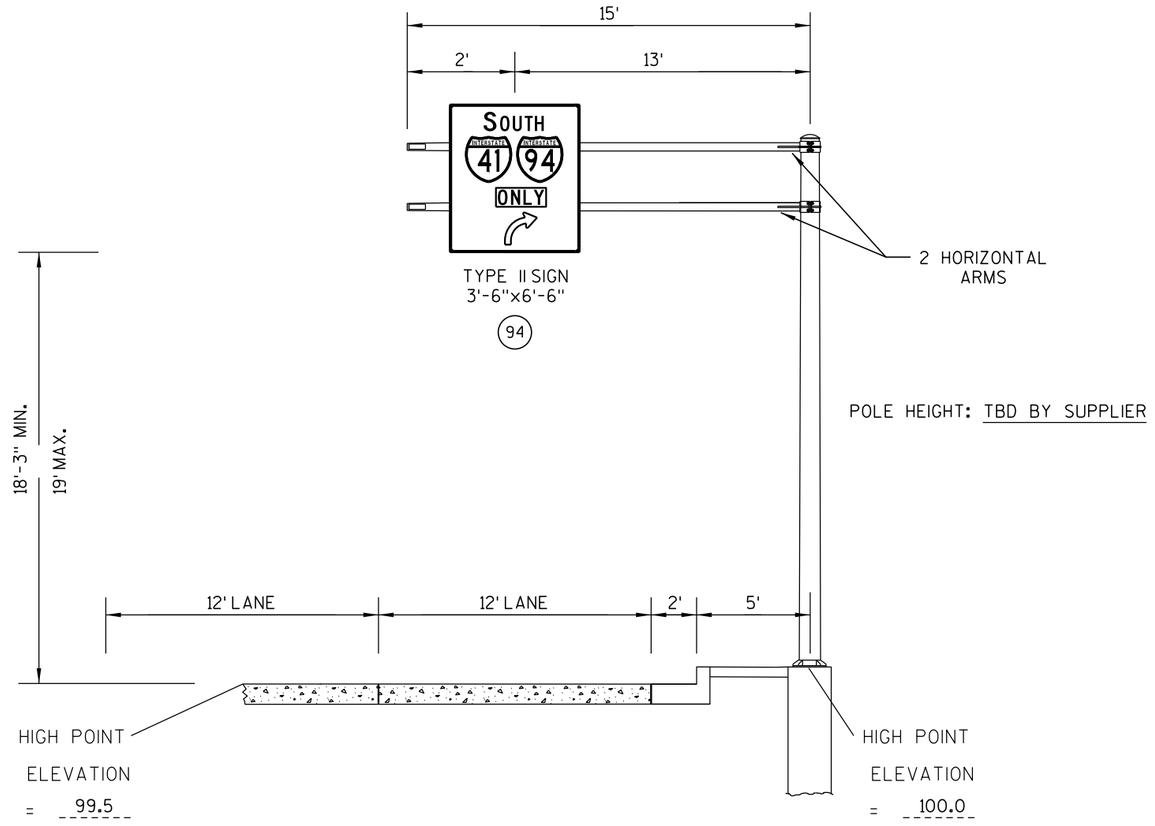
STORM DRAIN INLET SIGN

USE 1/2" EXPANSION FASTENER
AND BOLT TO FASTEN SIGN

SEE A4-8 STATE PLATE
FOR BOLT TYPE

PROJECT NO: 1030-20-87	HWY: IH-94	COUNTY: MILWAUKEE	SIGN MOUNTING DETAIL ON BARRIER WALL	SHEET	E

2



OVERHEAD SIGN SUPPORTS DETAIL
S-40-941
ELM ROAD EB @ I-94 EB
STATION 14+50

GENERAL NOTES

1. DRAWINGS NOT TO SCALE.
2. DESIGN ACCORDING TO AASHTO "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS", 6TH EDITION & INTERIM REVISIONS FATIGUE CATEGORY 1 CANTILEVERS.
3. THE SIGN STRUCTURES SHALL BE DESIGNED TO SUPPORT THE SIGNS SHOWN.
4. WIND VELOCITY PER WISDOT STD SPECIFICATIONS.
5. BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 3" CLEAR UNLESS DETAILED OTHERWISE.

NOTE, CONTRACTOR SHALL:

1. SUBMIT SHOP DRAWINGS OF OVERHEAD SIGN SUPPORT TO TRAFFIC OPS, WISDOT & PROJECT MANAGER FOR BOS. FOOTING IS INCIDENTAL TO OVERHEAD SIGN SUPPORT.
2. PROVIDE DESIGN CALCULATIONS.
3. SHOW SIGNS ON SHOP DRAWINGS.
4. I.D. PLAQUE INCIDENTAL TO OVERHEAD SIGN SUPPORT PER STANDARD SPEC 641.3.1.4.
5. 6 ANCHOR RODS MINIMUM PER STANDARD DETAIL DRAWING. DESIGN STRUCTURE BASE PLATE CONNECTION TO ACCOMODATE.
6. REFER TO SIGN PLATE A4-7.4 FOR ATTACHMENT OF SIGNS TO OVERHEAD SIGN SUPPORT
7. INSTALL SIGNS OR SIGN BLANKS ON OVERHEAD SIGN SUPPORTS AT THE TIME OF ERECTION AS SPECIFIED IN STANDARD SPEC 641.3.1.4.

CONTRACTOR TO USE SDD, 36" DIAMETER CANTILEVER OVERHEAD SIGN SUPPORT BASE

MOUNTING BRACKETS FOR SIGNS TO BE APPROVED FROM PRODUCT LIST FOR TYPE II SIGNS.

I BEAMS - W5X3.7 I BEAMS FOR MOUNTING SIGNS ARE INCIDENTAL TO TYPE I SIGNS.

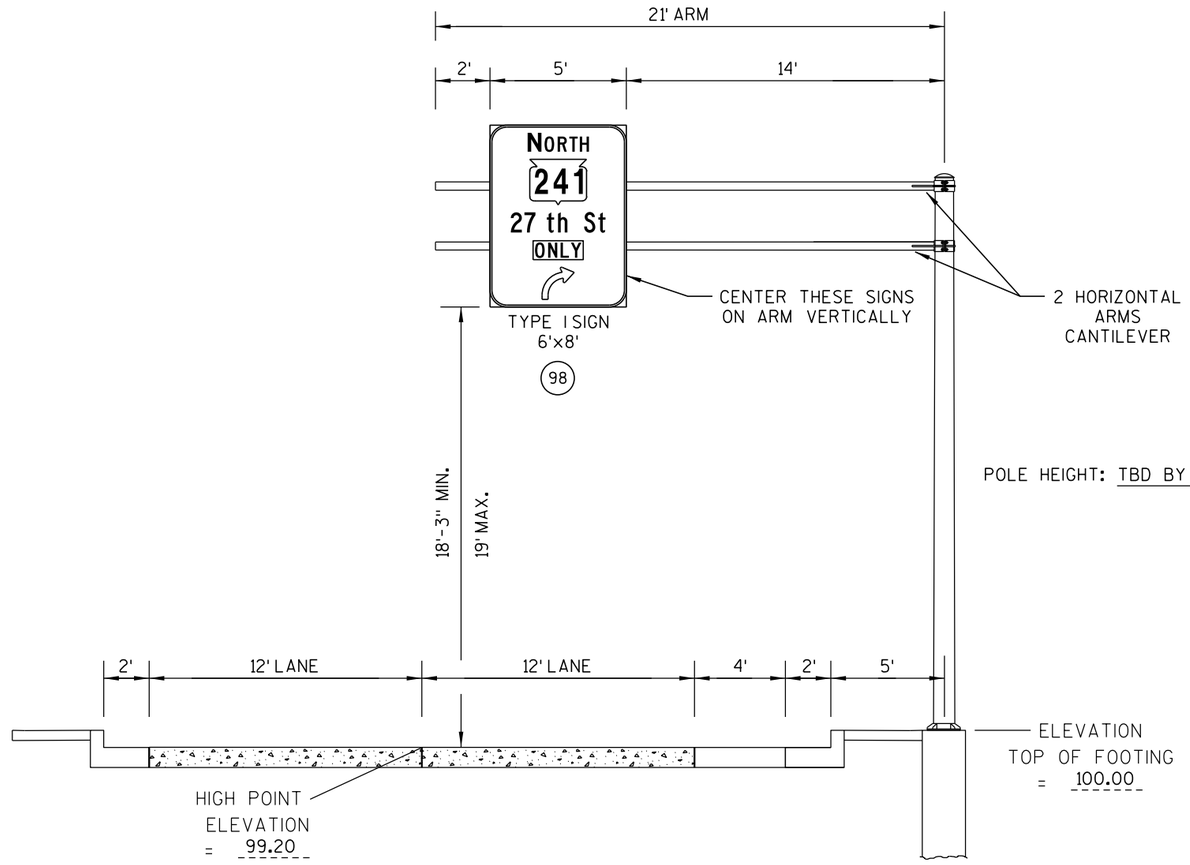
PROJECT NO: 1030-20-87	HWY: I-94	COUNTY: MILWAUKEE	OVERHEAD SIGN SUPPORT S-40-941	SHEET	E

FILE NAME : J:\projects\d2_10302094\87\Sign\023402_ps.dgn PLOT DATE : 18-JUN-2018 09:18 PLOT BY : dotshw PLOT NAME : PLOT SCALE : 100:1
WISDOT/CADDS SHEET 42

2

FOOTING SHALL BE PER SDD, "36" DIAMETER FULL SPAN OVERHEAD SIGN SUPPORT BASE" AND INCIDENTAL TO STRUCTURE.

W5X3.7 IBEAMS FOR MOUNTING SIGNS ARE INCIDENTAL TO TYPE I SIGNS.



OVERHEAD SIGN SUPPORTS DETAIL
S-40-942
ELM ROAD @ 27TH ST WB
STATION 18E+00

GENERAL NOTES

1. DRAWINGS NOT TO SCALE.
2. DESIGN ACCORDING TO AASHTO "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS", 6TH EDITION & INTERIM REVISIONS FATIGUE CATEGORY 1 CANTILEVERS.
3. THE SIGN STRUCTURES SHALL BE DESIGNED TO SUPPORT THE SIGNS SHOWN.
4. WIND VELOCITY PER WISDOT STD SPECIFICATIONS.
5. BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 3" CLEAR UNLESS DETAILED OTHERWISE.

NOTE, CONTRACTOR SHALL:

1. SUBMIT SHOP DRAWINGS OF OVERHEAD SIGN SUPPORT TO TRAFFIC OPS, WISDOT & PROJECT MANAGER FOR BOS. FOOTING IS INCIDENTAL TO OVERHEAD SIGN SUPPORT.
2. PROVIDE DESIGN CALCULATIONS.
3. SHOW SIGNS ON SHOP DRAWINGS.
4. I.D. PLAQUE INCIDENTAL TO OVERHEAD SIGN SUPPORT PER STANDARD SPEC 641.3.1.4.
5. 6 ANCHOR RODS MINIMUM PER STANDARD DETAIL DRAWING. DESIGN STRUCTURE BASE PLATE CONNECTION TO ACCOMODATE.
6. REFER TO SIGN PLATE A4-7.4 FOR ATTACHMENT OF SIGNS TO OVERHEAD SIGN SUPPORT
7. INSTALL SIGNS OR SIGN BLANKS ON OVERHEAD SIGN SUPPORTS AT THE TIME OF ERECTION AS SPECIFIED IN STANDARD SPEC 641.3.1.4.

PROJECT NO: 1030-20-87	HWY: I-94	COUNTY: MILWAUKEE	OVERHEAD SIGN SUPPORT S-40-942	SHEET	E

FILE NAME : J:\projects\d2_10302094\87\Sign\023403_ps.dgn PLOT DATE : 18-JUN-2018 09:16 PLOT BY : dotshw PLOT NAME : PLOT SCALE : 100:1
WISDOT/CADDS SHEET 42

GENERAL NOTES

1) ALL ITEMS ASSOCIATED WITH LIGHTING REMOVALS ARE SHOWN IN LIGHTING PLAN.

2) ALL ITEMS ASSOCIATED WITH BRIDGE REMOVALS ARE SHOWN IN BRIDGE PLAN.

3) ALL ITEMS ASSOCIATED WITH FTMS REMOVALS ARE SHOWN IN FTMS PLAN..

4) CLEARING AND GRUBBING SHALL BE PAID EITHER BY THE STATION OR INCH DIAMETER (I.D.)

5) FOR ADDITIONAL UTILITY INFORMATION SEE EXISTING UTILITY PLAN.

6) THE LOCATION OF THE EXISTING UTILITY INSTALLATIONS AS SHOWN ON THE PLANS IS APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN INCLUDING BUILDING SERVICES AND LATERALS.

LEGEND

- X — CLEARING AND GRUBBING (I.D.)
- CLEARING AND GRUBBING (STATION)
- REMOVING PAVEMENT
- OBLITERATING OLD ROAD AND REMOVING PAVEMENT
- REMOVING ASPHALTIC SURFACE MILLING
- I I I I REMOVING CURB AND CUTTER
- X X X SAWING ASPHALT
- X X X SAWING CONCRETE PAVEMENT
- REMOVING CONCRETE BARRIER
- REMOVING GUARDRAIL
- REMOVING FENCE
- – – – SLOPE INTERCEPT
- RM REMOVING STORM SEWER OR SMALL CULVERT PIPE
- REMOVING INLETS

2

2

2

S. 27TH STREET

STH 241

7881

786T

784T

ROOT R

IH 94 SB

IH 94 NB

1288

1290

1292

132

134

136

138

140

RM

MATCHLINE 171+00

ROOT RIVER

N

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	REMOVAL PLANS	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\021101_rm.dgn PLOT DATE : 11-JUL-2018 21:39 PLOT BY : MSCD1S PLOT NAME : 021101_rm PLOT SCALE : 100:1

2

2

N

144EC
146EC
148EC
150EC
152EC
154EC
RAMP EC
156EC

IH 94 SB

142
144
146
148
150
152
154

MATCHLINE 171+00

MATCHLINE 156+00

148EB
150EB
152EB
154EB
RAMP EB

IH 94 NB

RM

OH

FO

STM

SAN

WTR

NGS

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	REMOVAL PLANS	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\021102_rm.dgn PLOT DATE : 11-JUL-2018 21:39 PLOT BY : MSCD1S PLOT NAME : 021102_rm PLOT SCALE : 100:1

2

2

RAMP ED

164ED

166ED

168ED

170ED

RAMP EC

158EC

160EC

26E

28E

30E

32E

34E

36E

38E

N

IH 94 SB

MATCHLINE 156+00

MATCHLINE 171+00

156

158

160

162

164

166

168

170

ELM ROAD

RAMP EA

168EA

170EA

166EA

IH 94 NB

158EB

160EB

162EB

164EB

166EB

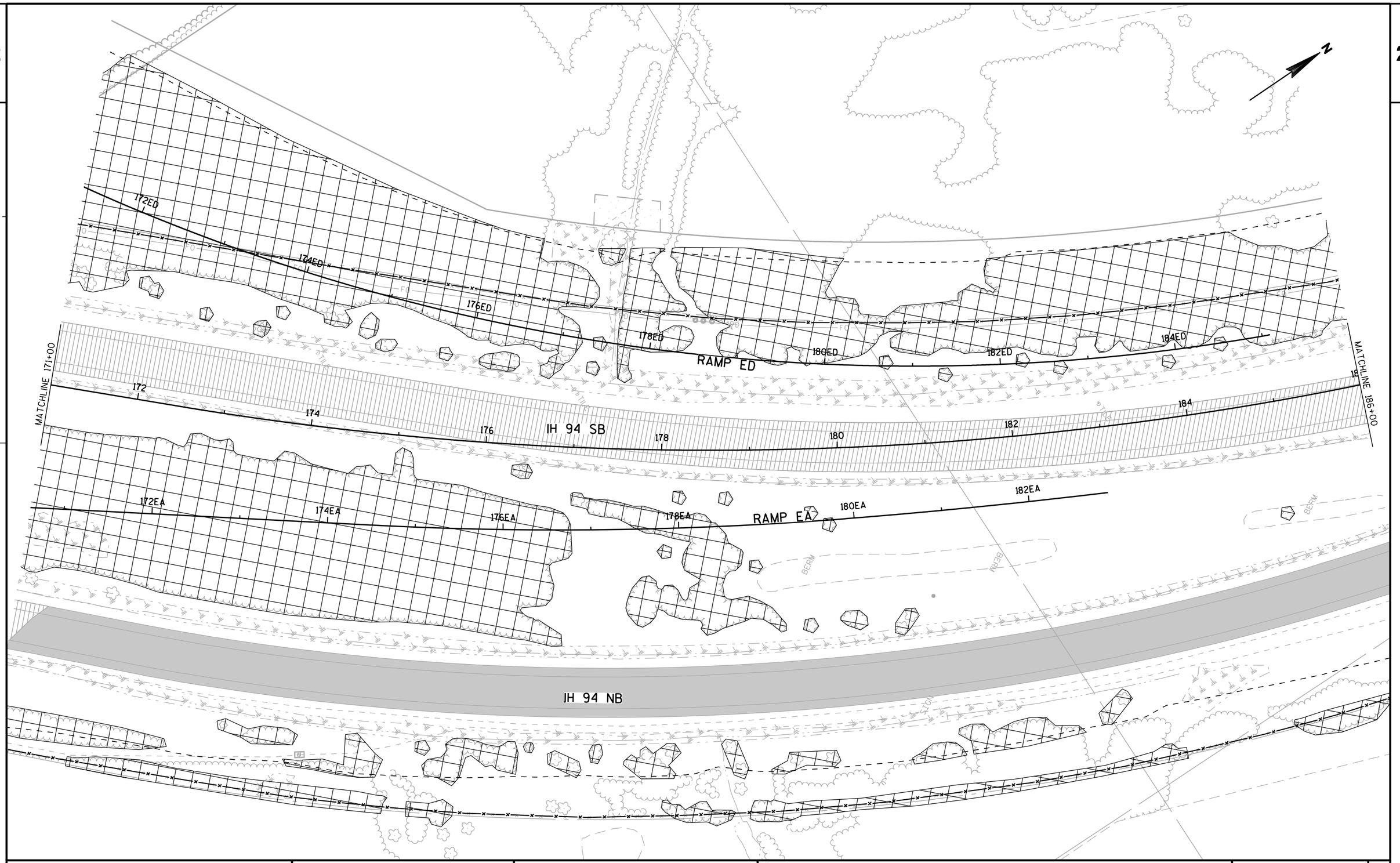
RAMP EB

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	REMOVAL PLANS	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\021103_rm.dgn PLOT DATE : 11-JUL-2018 21:39 PLOT BY : MSCD1S PLOT NAME : 021103_rm PLOT SCALE : 100:1

2

2



PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	REMOVAL PLANS	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\021104_rm.dgn PLOT DATE : 11-JUL-2018 21:39 PLOT BY : MSCD1S PLOT NAME : 021104_rm PLOT SCALE : 100:1

2



PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	REMOVAL PLANS	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\021105_rm.dgn PLOT DATE : 11-JUL-2018 21:39 PLOT BY : MSCD1S PLOT NAME : 021105_rm PLOT SCALE : 100:1

WISDOT/CADDS SHEET 42

2

2

N

IH 94 SB

IH 94 NB

MATCHLINE 201+00

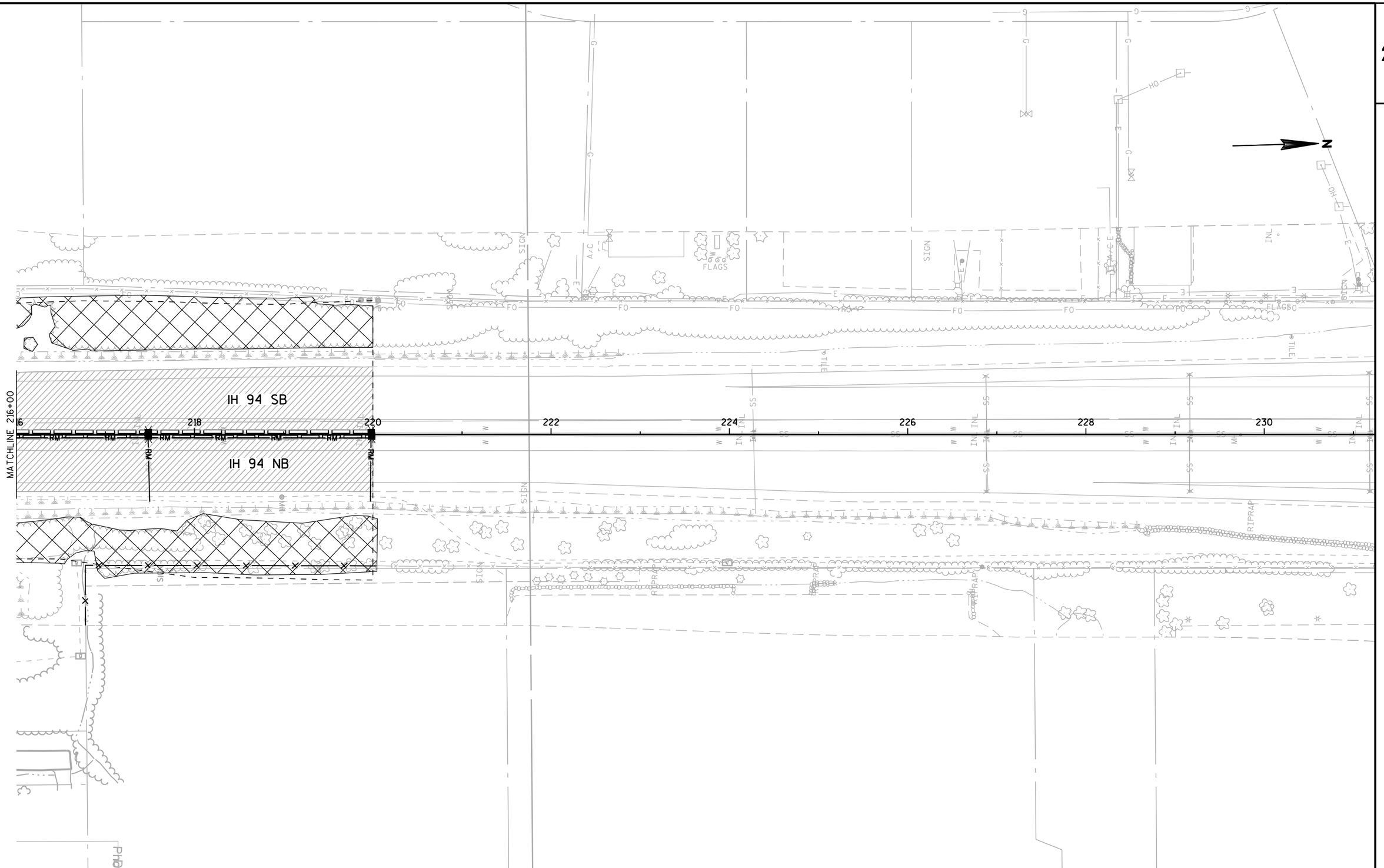
MATCHLINE 216+00

202 204 206 208 210 212 214

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	REMOVAL PLANS	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\021106_rm.dgn PLOT DATE : 11-JUL-2018 21:39 PLOT BY : MSCD1S PLOT NAME : 021106_rm PLOT SCALE : 100:1

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PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	REMOVAL PLANS	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\021107_rm.dgn PLOT DATE : 11-JUL-2018 21:39 PLOT BY : MSCD1S PLOT NAME : 021107_rm PLOT SCALE : 100:1

2

2

N

8E

12E

14E

ELM ROAD

16E

18E

20E

22E

814T

812T

810T

808T

806T

S. 27TH STREET

STH 241

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	REMOVAL PLANS	SHEET	E

2

2

N

S. 27TH STREET

STH 241

798T

800T

802T

804T

806T

808T

810T

MATCHLINE 812T+00

ELM ROAD

12E

14E

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	REMOVAL PLANS	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\021113_rm.dgn PLOT DATE : 11-JUL-2018 21:39 PLOT BY : MSCD1S PLOT NAME : 021113_rm PLOT SCALE : 100:1

2

N

S. 27TH STREET STH 241

812T+00
812T
814T
816T
818T
820T
822T
824T
826T

MATCHLINE

WALL
SIGN
SLAB
RUINS
POLE
SAN
MH
10' slope & drainage easement
10' landscape easement

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	REMOVAL PLANS	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\021114_rm.dgn PLOT DATE : 11-JUL-2018 21:39 PLOT BY : MSCD1S PLOT NAME : 021114_rm PLOT SCALE : 100:1

2

LEGEND

(CP09) CONCRETE PAVEMENT 9-INCH, DOWELED AND TINED

(CP23) CONCRETE PAVEMENT 12-INCH SPECIAL, DOWELED AND TINED

(CP36) CONCRETE PAVEMENT 12 1/2-INCH SPECIAL, DOWELED AND TINED

(C) HMA PAVEMENT, 4 MT 58-28 S, 2-INCH OVER HMA PAVEMENT, 3 MT 58-28 S, 4-INCH

(D) HMA PAVEMENT, 4 MT 58-28 S, 2-INCH OVER HMA PAVEMENT, 3 MT 58-28 S, 3 1/2-INCH

(E) HMA PAVEMENT, 4 MT 58-28 S, 1 3/4-INCH OVER HMA PAVEMENT, 3 MT 58-28 S, 2 1/4-INCH

(AG01) BASE AGGREGATE DENSE 3/4-INCH

(PV01) CONCRETE PAVEMENT APPROACH SLAB

(PV03) CONCRETE SURFACE DRAINS

(PV06) ASPHALTIC FLUME

(PV22) ASPHALTIC MATERIAL BINDER

(CG16) CONCRETE CURB AND GUTTER 31-INCH

(CG17) CONCRETE CURB AND GUTTER 31-INCH REVERSE SLOPE

(CM01) CONCRETE MEDIAN SLOPED NOSE TYPE 1

(CM02) CONCRETE MEDIAN SLOPED NOSE TYPE 2

(CM04) MAINTENANCE OPENING

(CM07) CONCRETE SIDEWALK, 5-INCH

(DR04) ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES, 3-INCH

(CB02) CONCRETE BARRIER TYPE S42

(CB03) CONCRETE BARRIER TYPE S56

(CB49) CONCRETE BARRIER TRANSITION TYPE S42 TO S56

(CB61) CONCRETE BARRIER SINGLE SLOPE THRIE BEAM ANCHOR (INCIDENTAL TO SINGLE SLOPE CONCRETE BARRIER)

(CB99) CONCRETE BARRIER FIXED OBJECT PROTECTION TYPE S56

(BG10) GUARDRAIL MOW STRIP ASPHALT

(BG15) MGS GUARDRAIL 3

(BG16) MGS THRIE BEAM TRANSITION

(BG17) MGS GUARDRAIL TERMINAL EAT

(SW01) SAWING ASPHALT

(SW02) SAWING CONCRETE

NOTE

PAVING GRADES SHOWN AT CONCRETE BARRIER ARE FOR THE EDGE OF CONCRETE PAVEMENT 4-12 INCHES BEHIND BACK OF CONCRETE BARRIER. SEE TYPICAL SECTIONS.

RADIUS TABLE							
POINT	STATION	OFFSET	RADIUS	PC		PT	
				STATION	OFFSET	STATION	OFFSET
1	153+41.90	5384.67' RT	5500'	136+17.33	63.68' LT	139+60.00	75.25' LT

2

N

WETLAND BOUNDARY

WETLAND BOUNDARY

WETLAND BOUNDARY

WETLAND BOUNDARY

IH 94 SB

IH 94 NB

B-40-801

B-40-800

AG01

CB02

PV01

PV22

SB PGL

NB PGL

MATCHLINE 137+15

+34.26
75.25' LT

+34.26
15.25' LT

+34.26
15.25' RT

+34.26
77.58' RT

+71.25
78.25' LT

+17.33
63.68' LT

+92.42
63.25' LT

+16.23
77.58' RT

+42.16
77.58' RT

1293+00.00 BK =
131+34.26 AH
EQUATION

131+34.26
MATCH PROJECT
1035-01-82

CP23

CP36

10'

14'

12'

6.5'

4'

132

133

134

135

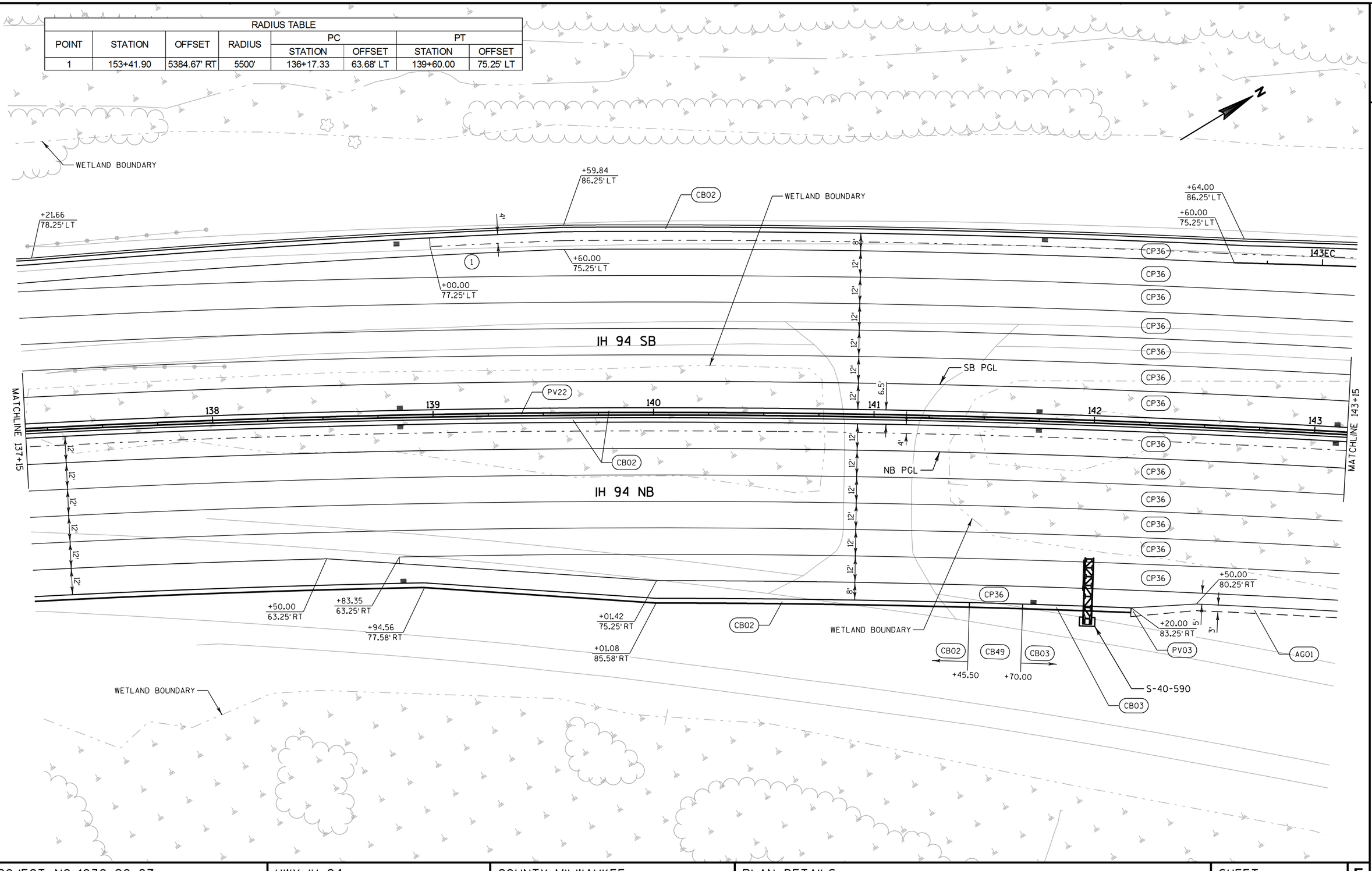
136

137

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET E

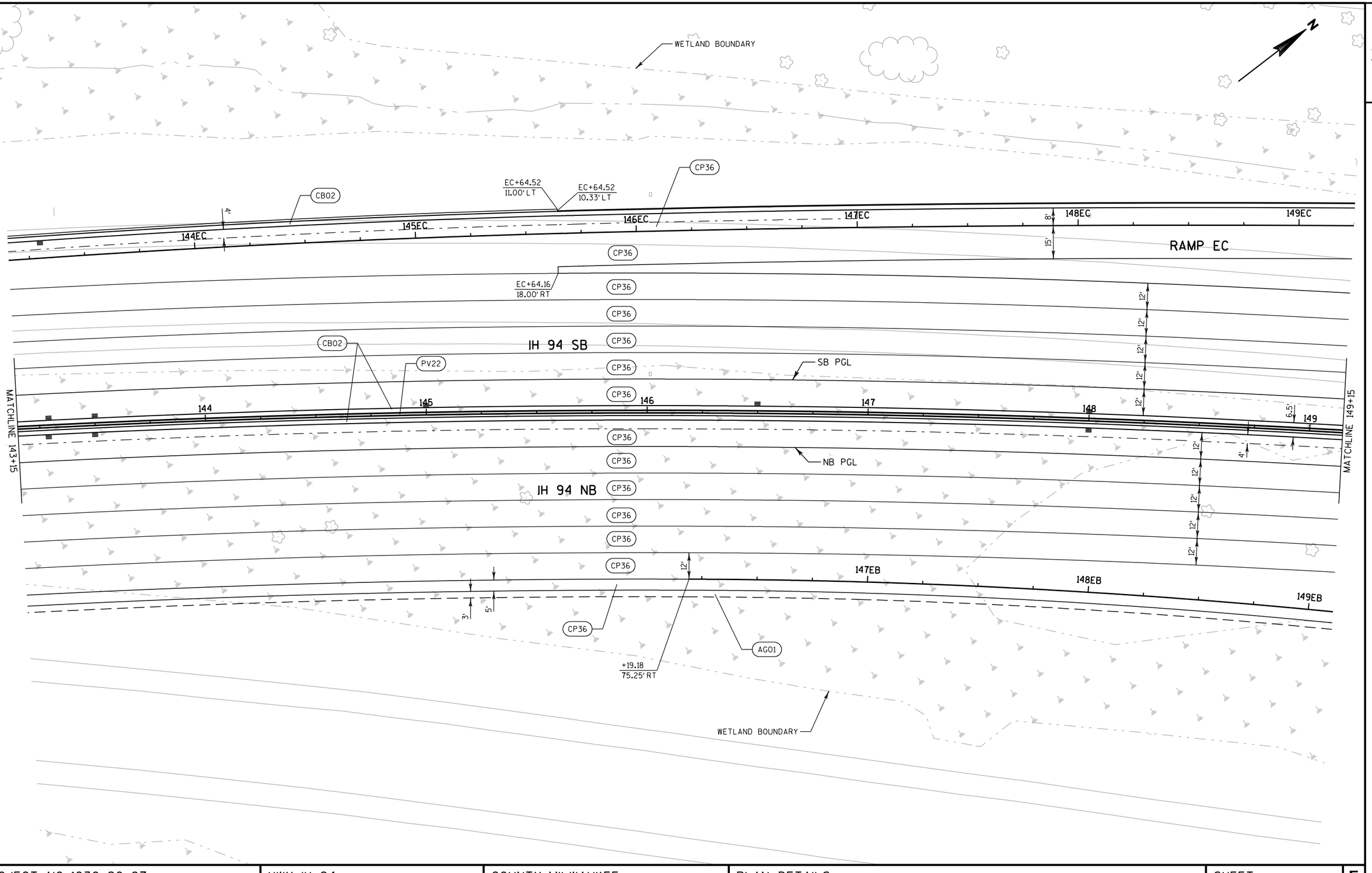
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RADIUS TABLE							
POINT	STATION	OFFSET	RADIUS	PC		PT	
				STATION	OFFSET	STATION	OFFSET
1	153+41.90	5384.67' RT	5500'	136+17.33	63.68' LT	139+60.00	75.25' LT



PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET	E

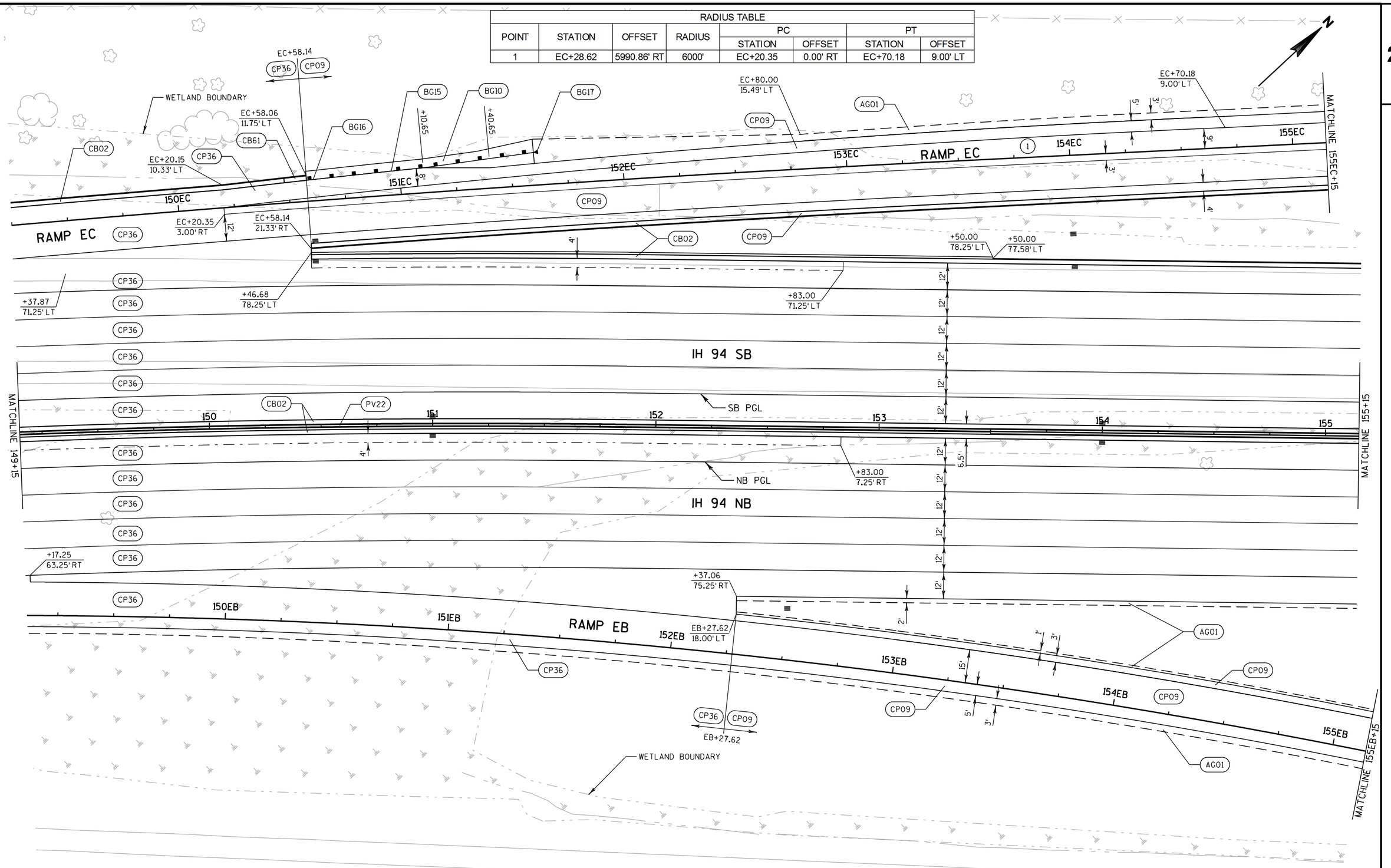
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PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET	E

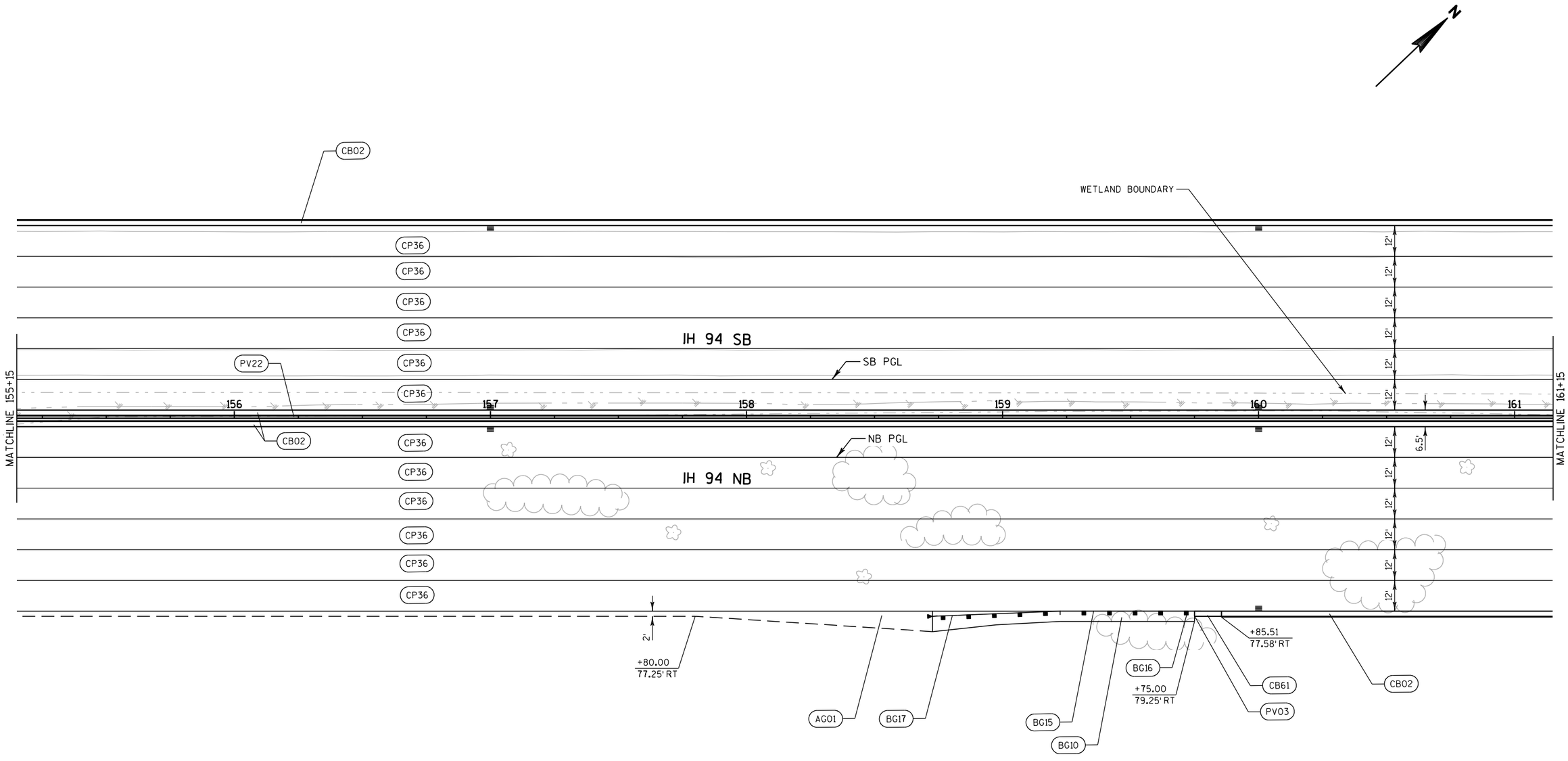
2

RADIUS TABLE							
POINT	STATION	OFFSET	RADIUS	PC		PT	
				STATION	OFFSET	STATION	OFFSET
1	EC+28.62	5990.86' RT	6000'	EC+20.35	0.00' RT	EC+70.18	9.00' LT



PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET	E

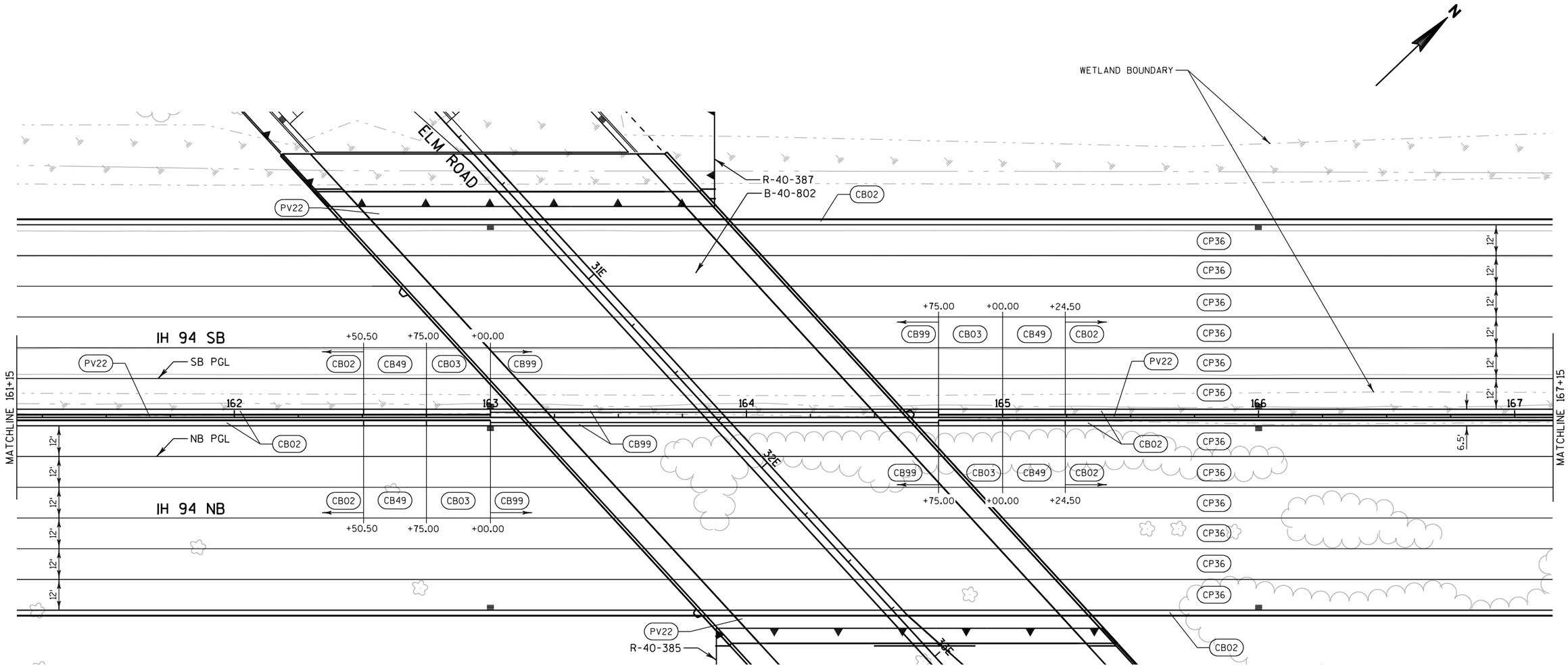
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PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET	E

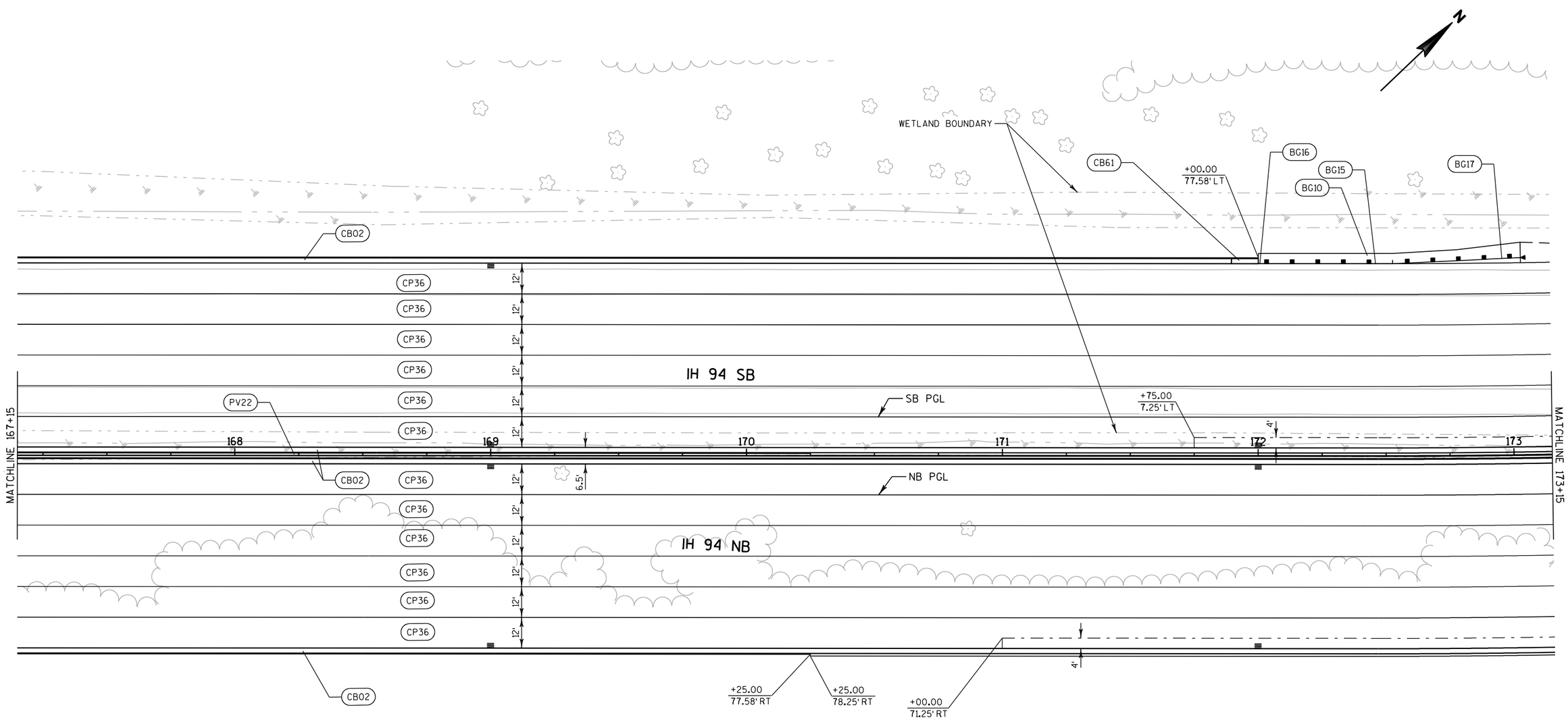
FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\021205_pd.dgn PLOT DATE : 11-JUL-2018 21:40 PLOT BY : MSCD1S PLOT NAME : 021205_pd PLOT SCALE : 40:1

2



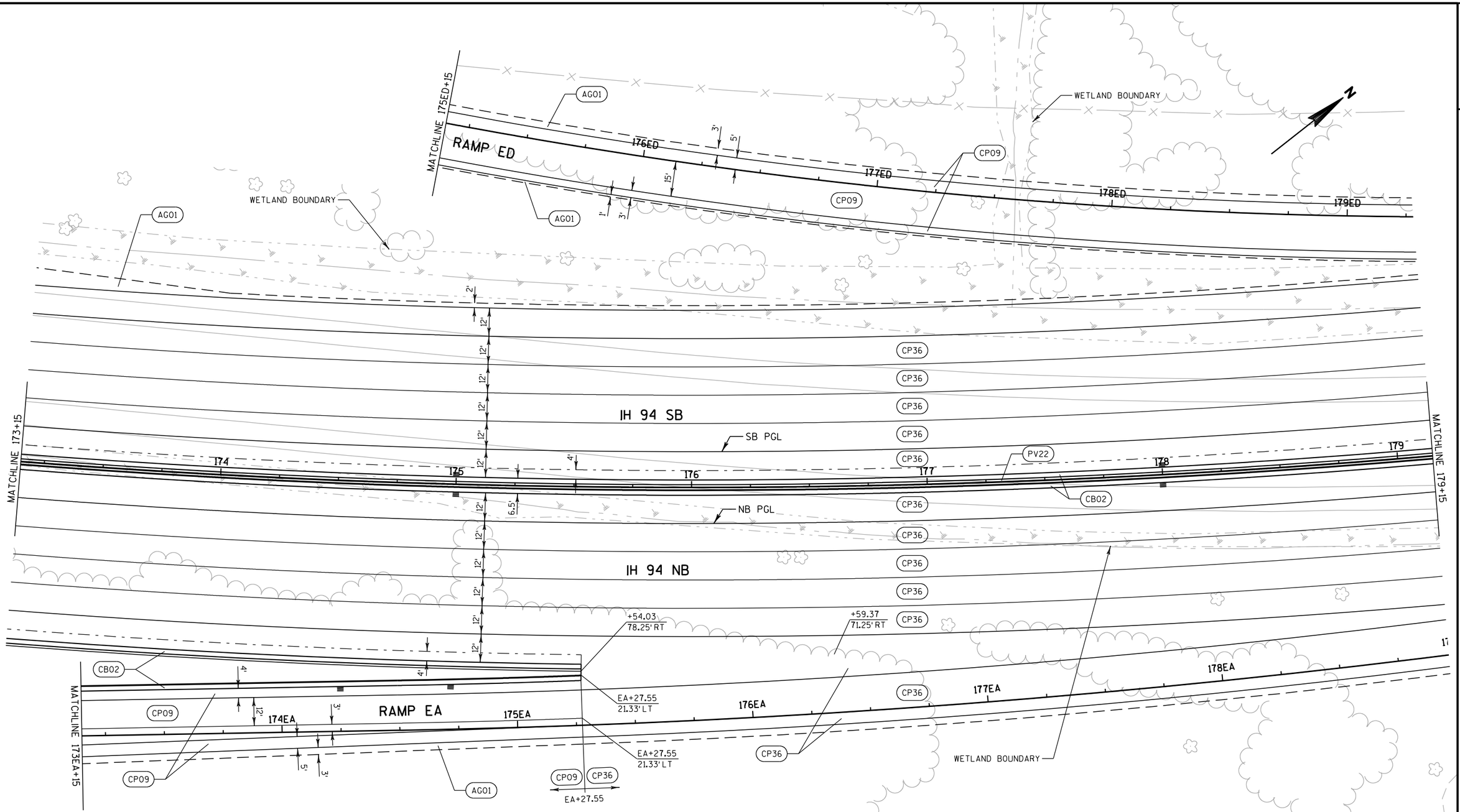
PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET	E

2



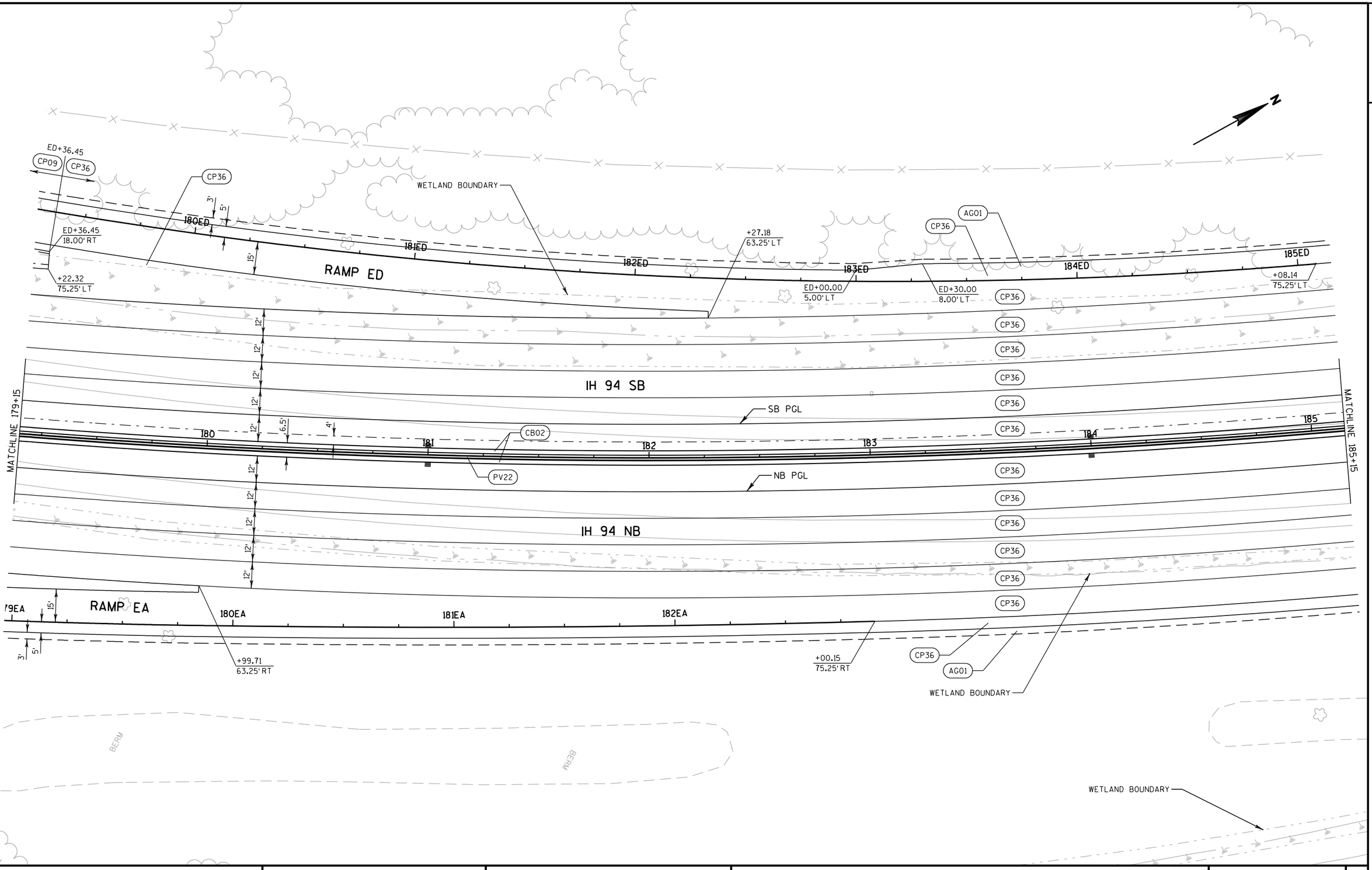
PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET	E

2



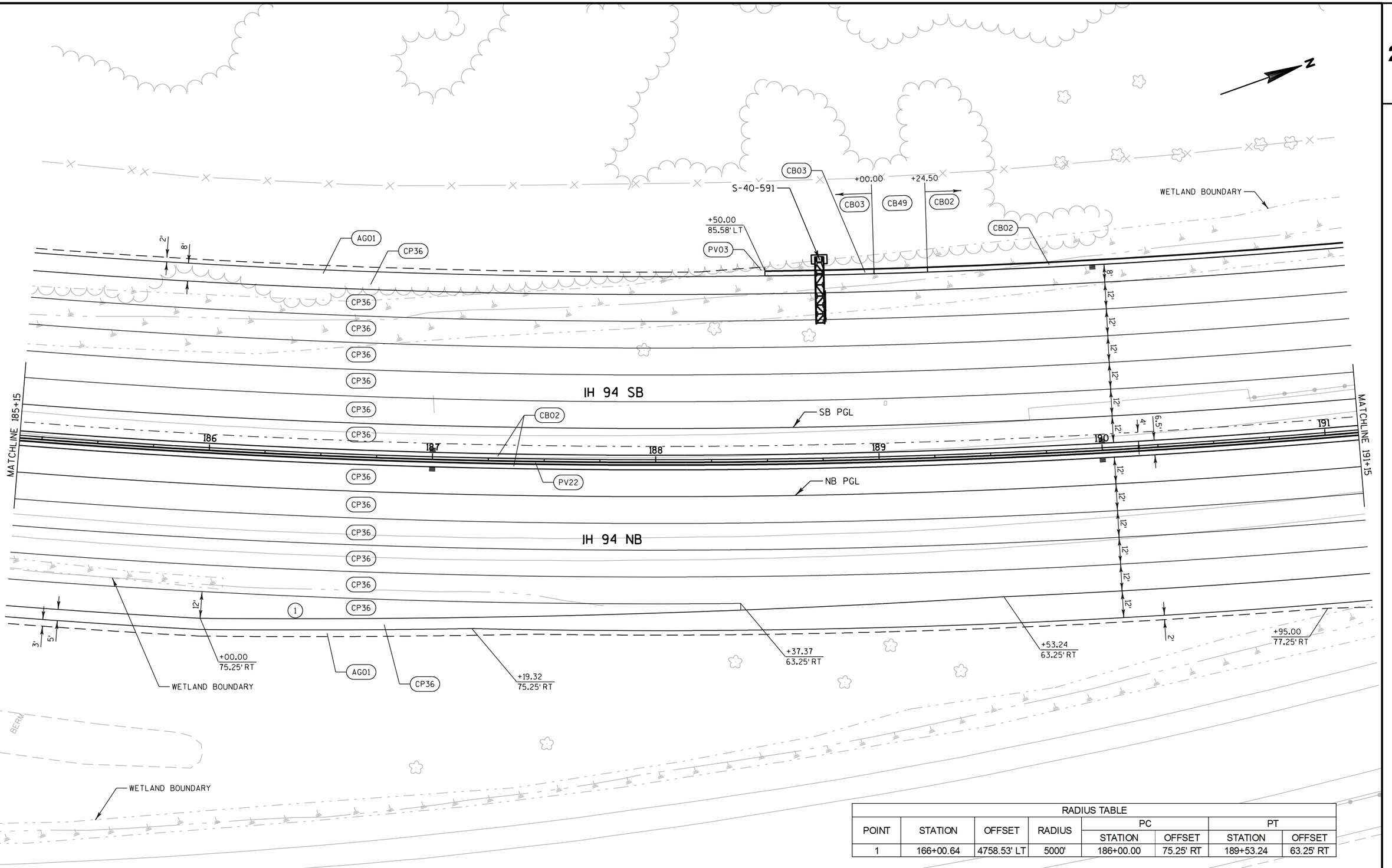
PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET	E

2



PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET	E

2

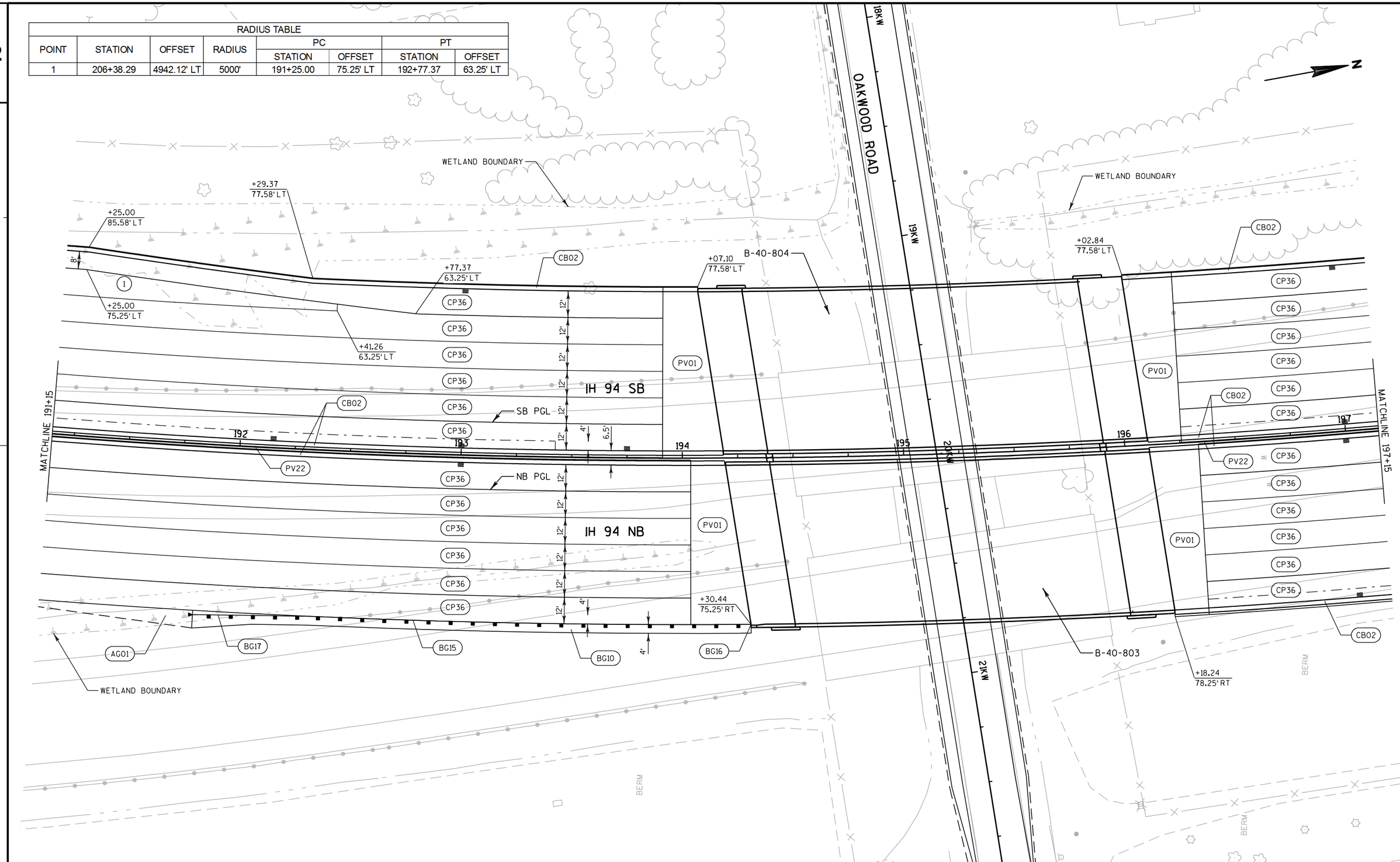


RADIUS TABLE							
POINT	STATION	OFFSET	RADIUS	PC		PT	
				STATION	OFFSET	STATION	OFFSET
1	166+00.64	4758.53' LT	5000'	186+00.00	75.25' RT	189+53.24	63.25' RT

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET	E

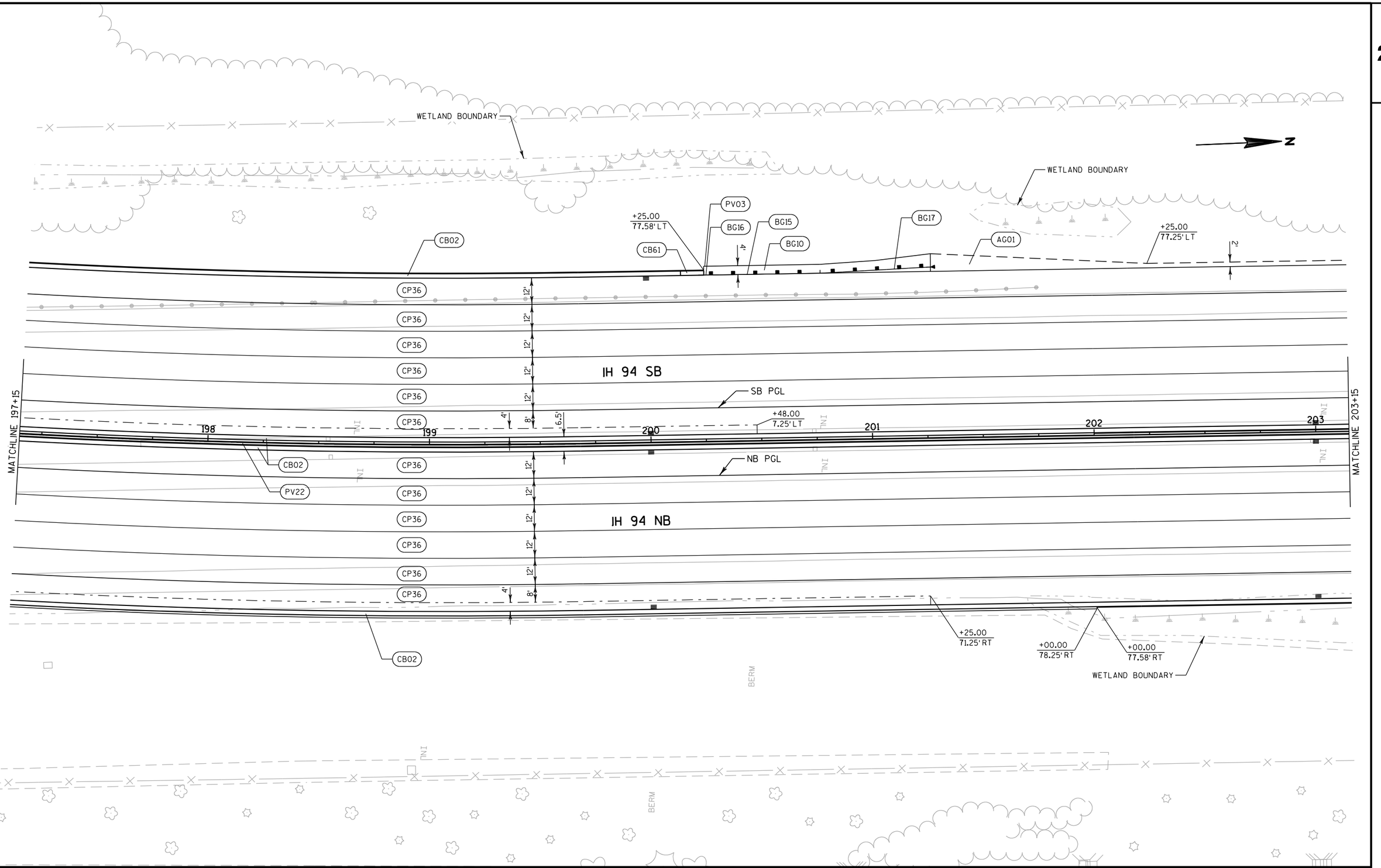
FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\021210_pd.dgn PLOT DATE : 11-JUL-2018 21:40 PLOT BY : MSCD1S PLOT NAME : 021210_pd PLOT SCALE : 40:1

RADIUS TABLE							
POINT	STATION	OFFSET	RADIUS	PC		PT	
				STATION	OFFSET	STATION	OFFSET
1	206+38.29	4942.12' LT	5000'	191+25.00	75.25' LT	192+77.37	63.25' LT



PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET	E

2



PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET	E

2

N

WETLAND BOUNDARY

AG01

2'

12'

12'

12'

24'

12'

6.5'

12'

12'

12'

12'

12'

12'

CP36

CP36

CP36

CP36

CP36

CP36

CP36

CP36

CP36

CP36

CP36

CP36

+50.50 +75.00 +94.00 +06.00 +25.00 +49.50

CB02 CB49 CB03 CB99 CB03 CB49 CB02

IH 94 SB

IH 94 NB

MATCHLINE 203+15

MATCHLINE 209+15

204 205 206 207 208 209

PV22

SB PGL

NB PGL

CB02

S-40-762

CB02 CB49 CB03 CB99 CB03 CB49 CB02

+50.50 +75.00 +94.00 +06.00 +25.00 +49.50

WETLAND BOUNDARY

CB02

+50.00
77.58' RT

+60.00
75.25' RT

PV03

AG01

2'

BERM

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET	E

2

N

WETLAND BOUNDARY

AG01

2'

12'

CP36

IH 94 SB

IH 94 NB

6.5'

MATCHLINE 209+15

MATCHLINE 215+15

210

211

212

213

214

215

SB PGL

NB PGL

INL

PV22

CB02

BERM

WETLAND BOUNDARY

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET	E

2

N

WETLAND BOUNDARY

AG01

MATCHLINE 215+15

216

217

218

219

220

221

PV22

CB02

CP36

12'

2'

6.5'

IH 94 SB

IH 94 NB

SB PGL

NB PGL

+00.00
77.25' LT

+00.00
15.25' LT

220+00.00
MATCH PROJECT
1030-20-84

+00.00
15.25' RT

+00.00
77.25' RT

AG01

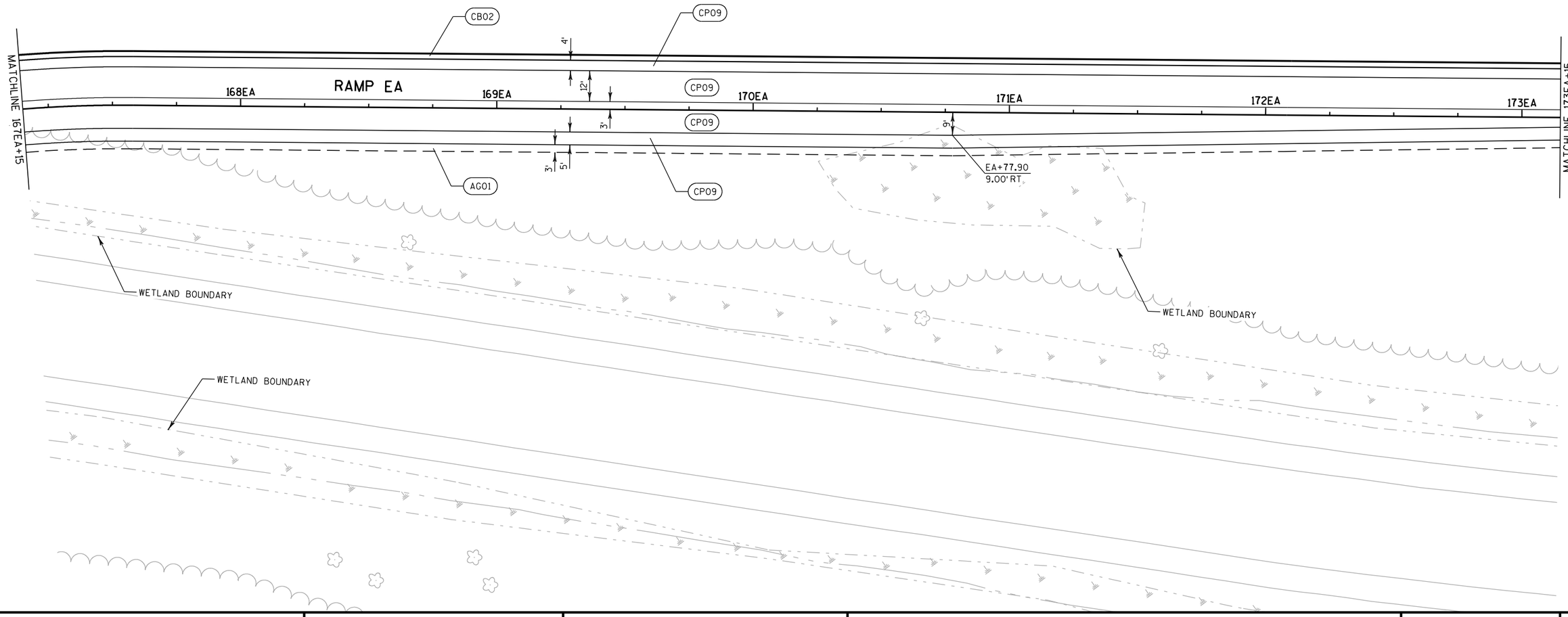
WETLAND BOUNDARY

SIGN

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET	E

2

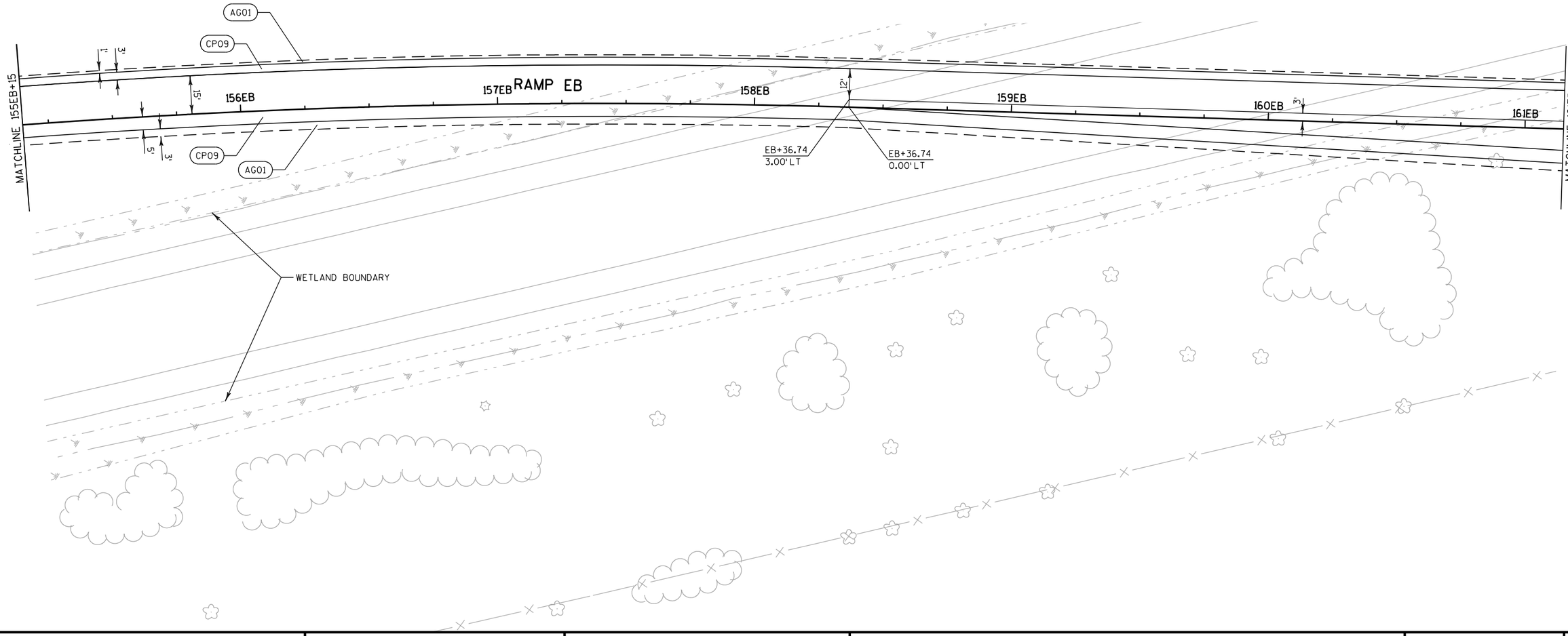
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PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\021220_pd.dgn PLOT DATE : 11-JUL-2018 21:40 PLOT BY : MSCD1S PLOT NAME : 021220_pd PLOT SCALE : 40:1

2



PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\021224_pd.dgn PLOT DATE : 11-JUL-2018 21:40 PLOT BY : MSCD1S PLOT NAME : 021224_pd PLOT SCALE : 40:1

2

N

WETLAND BOUNDARY

MATCHLINE 161EB+15

162EB

163EB

RAMP EB

164EB

165EB

MATCHLINE 165EB+15

EB+36.61
9.00' RT

EB+85.79
18.00' LT

AG01

CP09

CP09

CP09

CP09

AG01

CG16

PV03

9'

1'

3'

3'

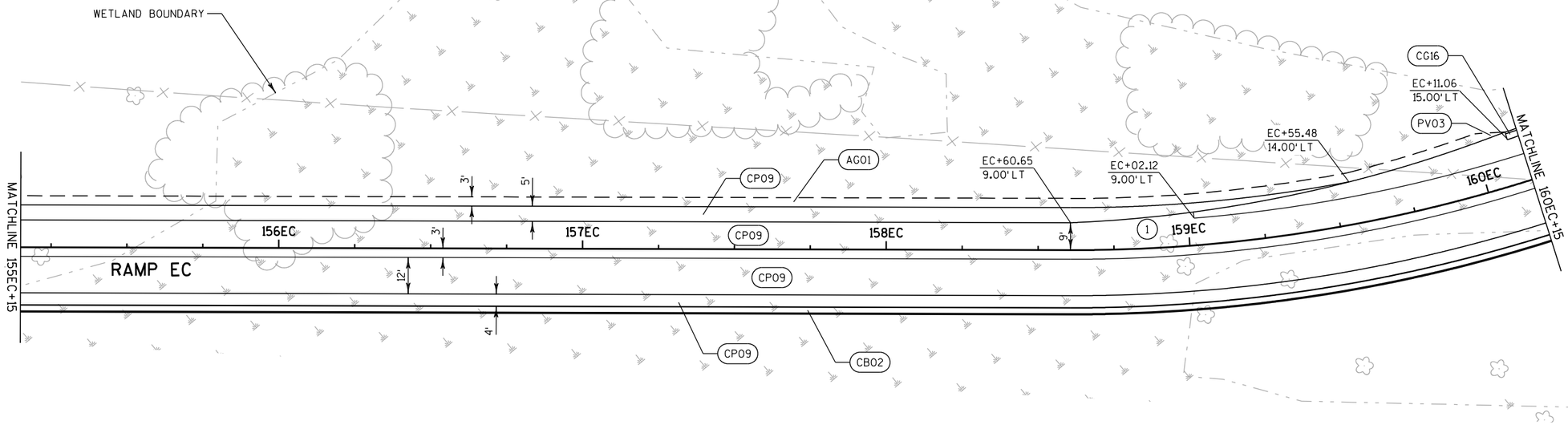
12'

3'

5'

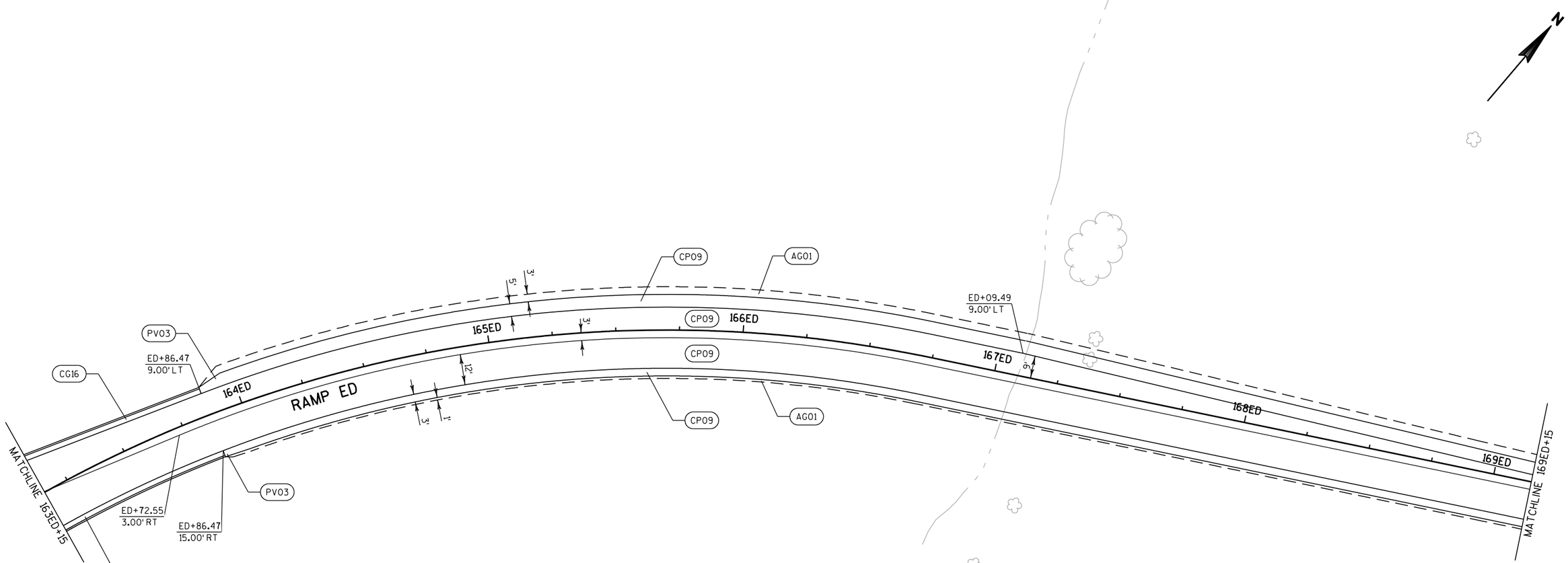
PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET	E

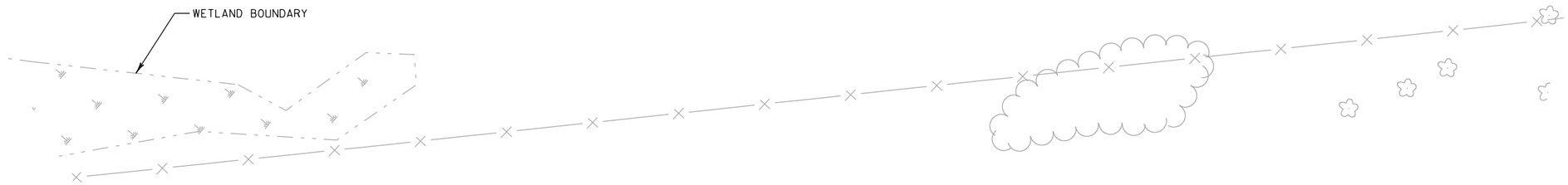
RADIUS TABLE							
POINT	STATION	OFFSET	RADIUS	PC		PT	
				STATION	OFFSET	STATION	OFFSET
1	158EC+40.20	458.54' RT	450'	158EC+60.65	9.00' LT	160EC+11.06	17.58' LT



PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET	E

2





PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET	E

2

N

MATCHLINE 169ED+15

ED+09.35
0.00' LT

170ED

171ED

172ED

173ED

174ED

175ED

RAMP ED

ED+09.35
3.00' RT

3'

12'

3'

5'

15'

3'

1'

CP09

AG01

CP09

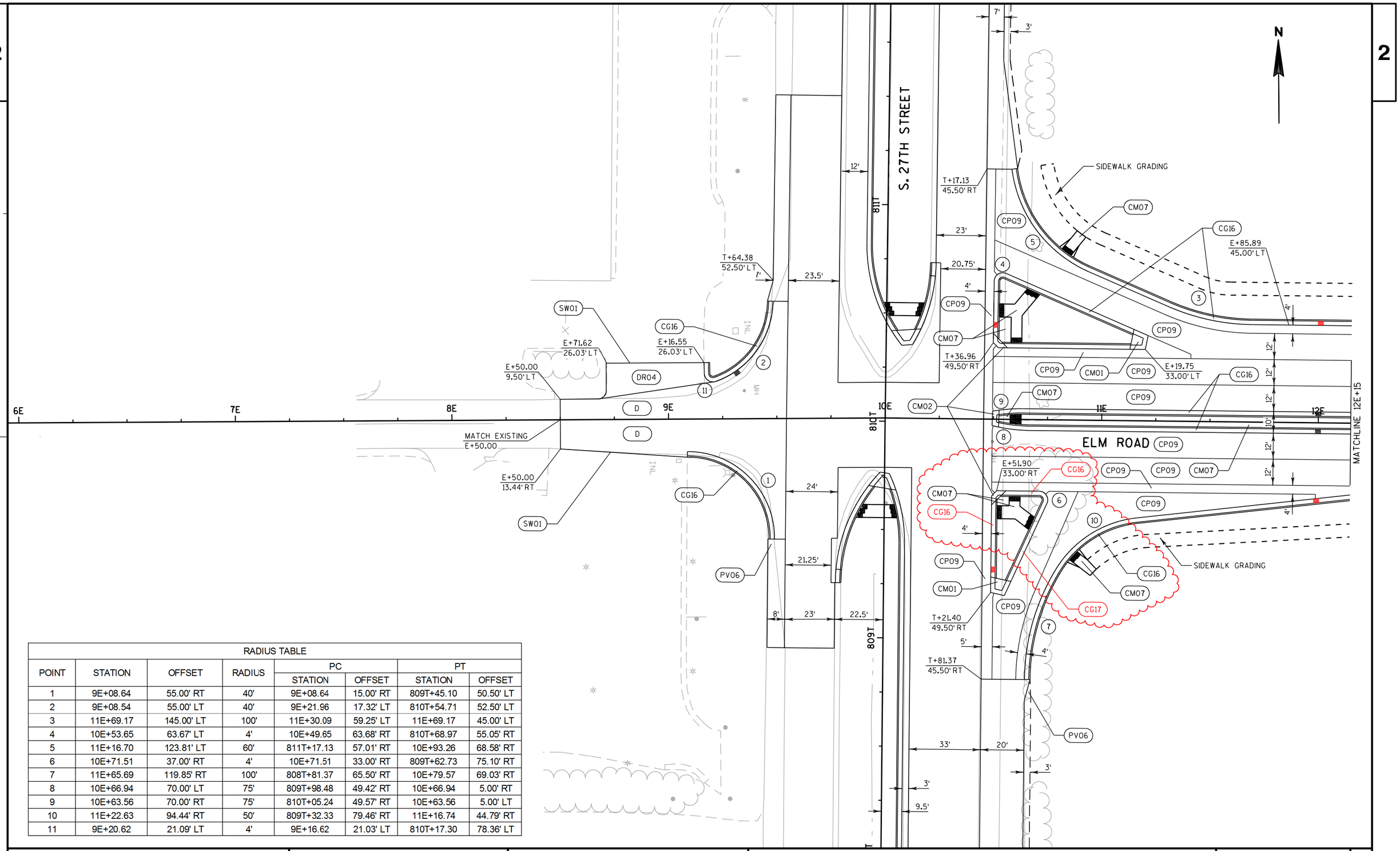
CP09

AG01

MATCHLINE 175ED+15

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\021230_pd.dgn PLOT DATE : 11-JUL-2018 21:40 PLOT BY : MSCD1S PLOT NAME : 021230_pd PLOT SCALE : 40:1



RADIUS TABLE							
POINT	STATION	OFFSET	RADIUS	PC		PT	
				STATION	OFFSET	STATION	OFFSET
1	9E+08.64	55.00' RT	40'	9E+08.64	15.00' RT	809T+45.10	50.50' LT
2	9E+08.54	55.00' LT	40'	9E+21.96	17.32' LT	810T+54.71	52.50' LT
3	11E+69.17	145.00' LT	100'	11E+30.09	59.25' LT	11E+69.17	45.00' LT
4	10E+53.65	63.67' LT	4'	10E+49.65	63.68' RT	810T+68.97	55.05' RT
5	11E+16.70	123.81' LT	60'	811T+17.13	57.01' RT	10E+93.26	68.58' RT
6	10E+71.51	37.00' RT	4'	10E+71.51	33.00' RT	809T+62.73	75.10' RT
7	11E+65.69	119.85' RT	100'	808T+81.37	65.50' RT	10E+79.57	69.03' RT
8	10E+66.94	70.00' LT	75'	809T+98.48	49.42' RT	10E+66.94	5.00' RT
9	10E+63.56	70.00' RT	75'	810T+05.24	49.57' RT	10E+63.56	5.00' LT
10	11E+22.63	94.44' RT	50'	809T+32.33	79.46' RT	11E+16.74	44.79' RT
11	9E+20.62	21.09' LT	4'	9E+16.62	21.03' LT	810T+17.30	78.36' LT

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET	E

2

N

SIDEWALK GRADING

CG16

S-40-940

CP09

CM04

E+15.00

E+19.75
17.00' LT

E+70.00
5.00' LT

E+50.00
17.00' LT

CG16

ELM ROAD

MATCHLINE 12E+15

MATCHLINE 18E+15

13E

14E

15E

16E

17E

18E

12'

12'

12'

10'

4'

22'

E+70.00
5.00' RT

E+30.00
5.00' RT

E+24.35
13.50' RT

E+54.38
14.50' RT

E+16.00
33.00' RT

CM07

E+70.00
33.00' RT

E+28.75
45.00' RT

CG16

S-40-941

SIDEWALK GRADING

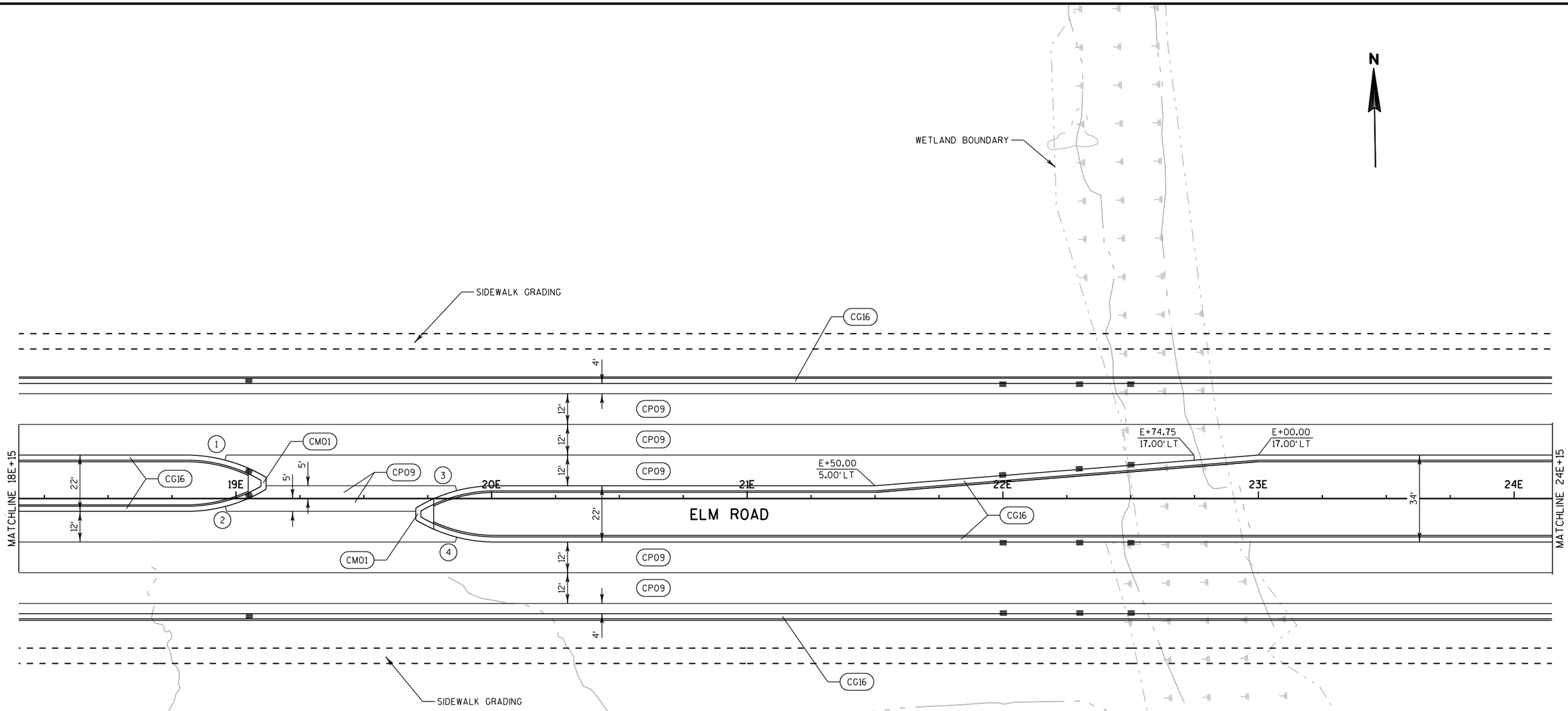
WETLAND BOUNDARY

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\021241_pd.dgn PLOT DATE : 11-JUL-2018 21:40 PLOT BY : MSCD1S PLOT NAME : 021241_pd PLOT SCALE : 40:1

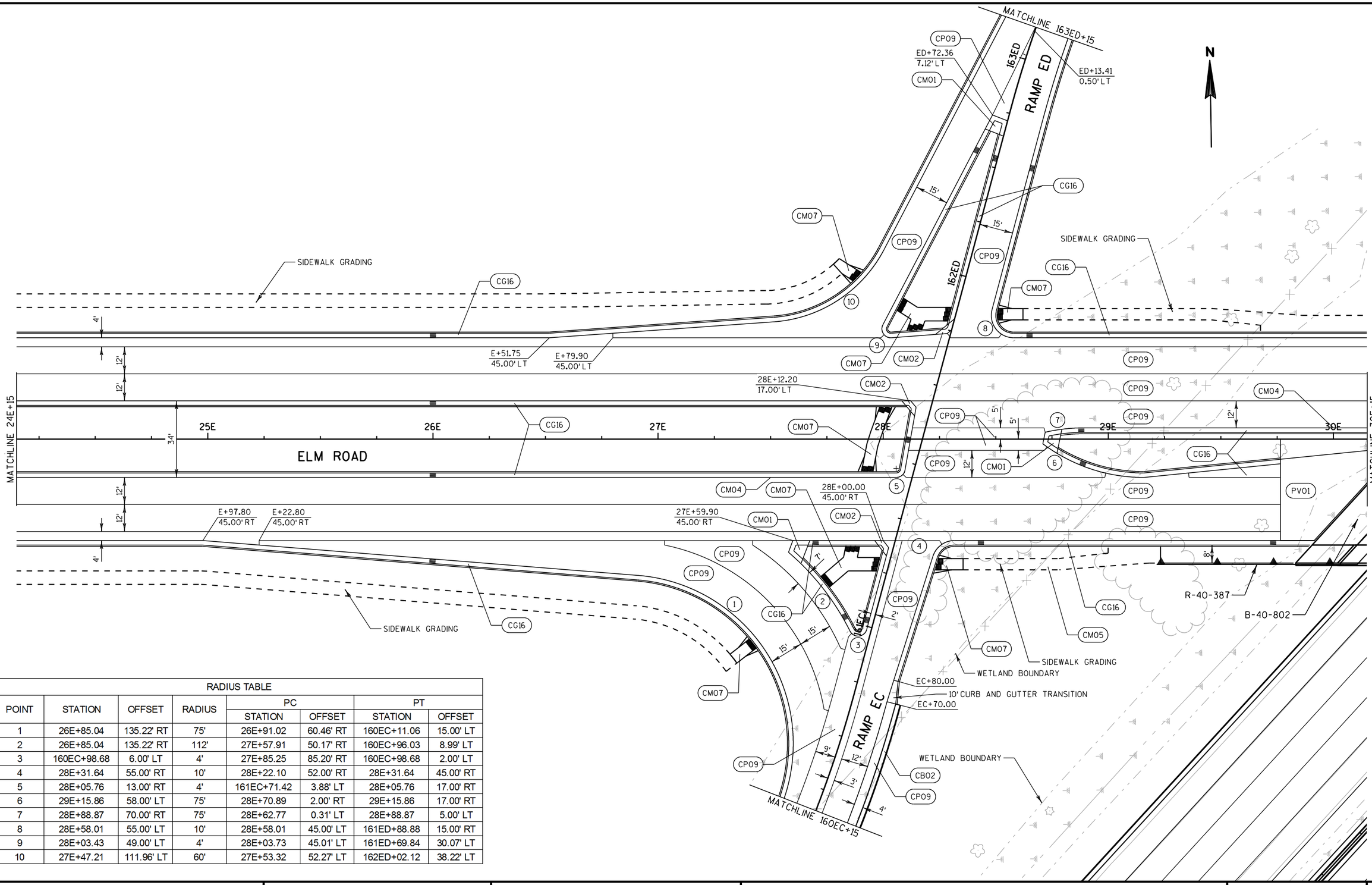
WISDOT/CADDS SHEET 42

2



RADIUS TABLE

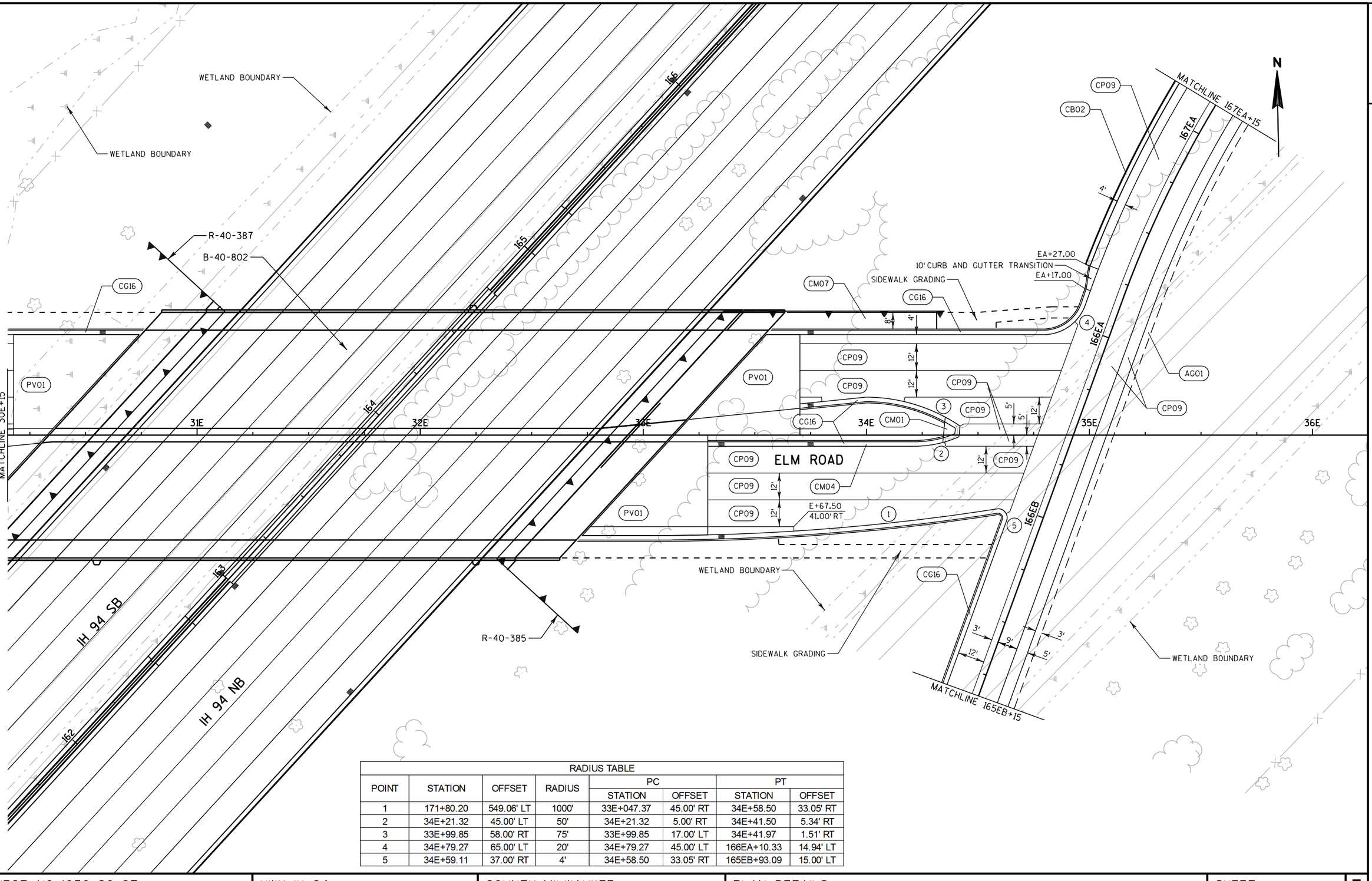
POINT	STATION	OFFSET	RADIUS	PC		PT	
				STATION	OFFSET	STATION	OFFSET
1	18E+80.61	43.00' RT	60'	18E+80.61	17.00' LT	19E+11.77	8.27' LT
2	18E+80.71	55.00' LT	60'	18E+80.71	5.00' RT	19E+11.77	3.67' LT
3	20E+01.43	55.00' RT	60'	19E+70.33	3.69' RT	20E+01.43	5.00' LT
4	20E+01.44	43.00' LT	60'	19E+70.33	8.30' RT	20E+01.44	17.00' RT



RADIUS TABLE							
POINT	STATION	OFFSET	RADIUS	PC		PT	
				STATION	OFFSET	STATION	OFFSET
1	26E+85.04	135.22' RT	75'	26E+91.02	60.46' RT	160EC+11.06	15.00' LT
2	26E+85.04	135.22' RT	112'	27E+57.91	50.17' RT	160EC+96.03	8.99' LT
3	160EC+98.68	6.00' LT	4'	27E+85.25	85.20' RT	160EC+98.68	2.00' LT
4	28E+31.64	55.00' RT	10'	28E+22.10	52.00' RT	28E+31.64	45.00' RT
5	28E+05.76	13.00' RT	4'	161EC+71.42	3.88' LT	28E+05.76	17.00' RT
6	29E+15.86	58.00' LT	75'	28E+70.89	2.00' RT	29E+15.86	17.00' RT
7	28E+88.87	70.00' RT	75'	28E+62.77	0.31' LT	28E+88.87	5.00' LT
8	28E+58.01	55.00' LT	10'	28E+58.01	45.00' LT	161ED+88.88	15.00' RT
9	28E+03.43	49.00' LT	4'	28E+03.73	45.01' LT	161ED+69.84	30.07' LT
10	27E+47.21	111.96' LT	60'	27E+53.32	52.27' LT	162ED+02.12	38.22' LT

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET	E

2



RADIUS TABLE							
POINT	STATION	OFFSET	RADIUS	PC		PT	
				STATION	OFFSET	STATION	OFFSET
1	171+80.20	549.06' LT	1000'	33E+047.37	45.00' RT	34E+58.50	33.05' RT
2	34E+21.32	45.00' LT	50'	34E+21.32	5.00' RT	34E+41.50	5.34' RT
3	33E+99.85	58.00' RT	75'	33E+99.85	17.00' LT	34E+41.97	1.51' RT
4	34E+79.27	65.00' LT	20'	34E+79.27	45.00' LT	166EA+10.33	14.94' LT
5	34E+59.11	37.00' RT	4'	34E+58.50	33.05' RT	165EB+93.09	15.00' LT

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET	E

2

2

N

WETLAND BOUNDARY

BERM

BERM

197

196

195

194

B-40-803

B-40-804

DR04

D

AG01

KW+00.00
11.92' LT

17KW

18KW

19KW

20KW

21KW

22KW

12'

12'

OAKWOOD ROAD

MATCH EXISTING
KW+00.00

KW+00.00
11.14' RT

KW+50.00
17.00' RT

KW+49.97
17.00' LT

KW+00.00
13.00' LT

5'

1'

KW+00.00
17.00' RT

MATCH EXISTING
KW+00.00

KW+00.00
11.39' RT

IH 94 SB

IH 94 NB

WETLAND BOUNDARY

WETLAND BOUNDARY

WETLAND BOUNDARY

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\021245_pd.dgn PLOT DATE : 11-JUL-2018 21:41 PLOT BY : MSCD1S PLOT NAME : 021245_pd PLOT SCALE : 40:1

WISDOT/CADDS SHEET 42

2

N

FLAG

802T 803T 804T 805T 806T 807T 808T

MATCHLINE 808T+15

6' CURB HEAD TRANSITION

T+00.00
22.50' RT
SW02

22.5'
2'

T+22.50
22.50' RT

MATCH EXISTING
T+00.00

29'

T+35.12
24.50' RT

SW01
C

T+00.00
53.50' RT

CG17

S. 27TH STREET NB PGL

T+85.12
12.50' RT

S. 27TH STREET

E

SW01

T+85.00
45.50' RT

3'

33'

8"

3'

20'

C

AG01

T+54.32
53.50' RT

T+73.72
65.50' RT

INL
MH
W

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\021246_pd.dgn PLOT DATE : 11-JUL-2018 21:41 PLOT BY : MSCD1S PLOT NAME : 021246_pd PLOT SCALE : 40:1

2

N

6' CURB HEAD TRANSITION

T+95.00
53.50' LT

T+64.38
52.50' LT

T+50.00
52.50' LT

MATCH EXISTING
T+95.00

MATCH EXISTING
T+50.00

T+25.27
24.25' LT

T+45.75
24.25' LT

T+45.75
21.50' LT

T+78.41
21.50' LT

T+95.00
22.50' LT

T+50.00
22.00' LT

T+17.57
22.00' LT

SW01

S. 27TH STREET SB PGL

809T

810T

811T

812T

813T

814T

MATCHLINE 808T+15

MATCHLINE 814T+15

S. 27TH STREET

S. 27TH STREET NB PGL

CM01

CM04

CM07

SW01

SW02

CG17

C

E

T+78.72
12.50' RT

T+16.50
22.50' RT

T+18.05
24.75' RT

T+73.51
24.75' RT

MATCH EXISTING
T+16.50

T+16.50
52.50' RT

T+67.25
52.50' RT

T+71.71
65.50' RT

AG01

ELM ROAD

SIDEWALK GRADING

SIDEWALK GRADING

RADIUS TABLE							
POINT	STATION	OFFSET	RADIUS	PC		PT	
				STATION	OFFSET	STATION	OFFSET
1	809T+25.27	52.75' RT	75'	809T+25.27	22.25' LT	809T+76.49	2.04' LT
2	809T+43.58	65.50' LT	75'	809T+43.58	9.50' RT	809T+75.83	2.21' RT
3	810T+82.42	65.50' RT	75'	810T+35.17	7.25' RT	810T+82.42	9.50' LT
4	810T+73.67	52.41' LT	75'	810T+35.54	12.17' RT	810T+73.51	22.59' RT

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\021247_pd.dgn PLOT DATE : 11-JUL-2018 21:41 PLOT BY : MSCD1S PLOT NAME : 021247_pd PLOT SCALE : 40:1

2

N

SLAB

WETLAND BOUNDARY

T+90.96
24.00'LT

SW02

T+74.00
24.00'LT

MATCH EXISTING
T+90.95

SW01

CG17

S. 27TH STREET SB PGL

T+74.00
22.00'LT

12.5'

C

T+86.75
9.50'LT

6' CURB HEAD TRANSITION

MATCHLINE 814T+15

815T

816T

817T

S. 27TH STREET

818T

819T

820T

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\021248_pd.dgn PLOT DATE : 11-JUL-2018 21:41 PLOT BY : MSCD1S PLOT NAME : 021248_pd PLOT SCALE : 40:1

2

N

IH 94 SB

IH 94 NB

SB PGL

NB PGL

MATCHLINE 137+15

696.79 696.44 696.10 695.75
3.5%
696.44 696.09 695.74 695.40
3.5%
695.95 695.60 695.26 694.91
3.5%
695.53 695.18 694.83 694.49
3.5%
695.11 694.76 694.42 694.07
3.5%
694.69 694.34 694.00 693.65
3.5%
694.19 693.84 693.49 693.15
132
695.21 694.87 694.52 694.17 693.83
3.5%
694.69 694.34 694.00 693.65 693.30
3.5%
694.27 693.92 693.57 693.23 692.88
3.5%
693.85 693.50 693.15 692.81 692.46
3.5%
693.43 693.08 692.74 692.39 692.04
3.5%
692.94 692.59 692.25 691.90 691.55
3.5%
692.51 692.16 691.81 691.47 691.12

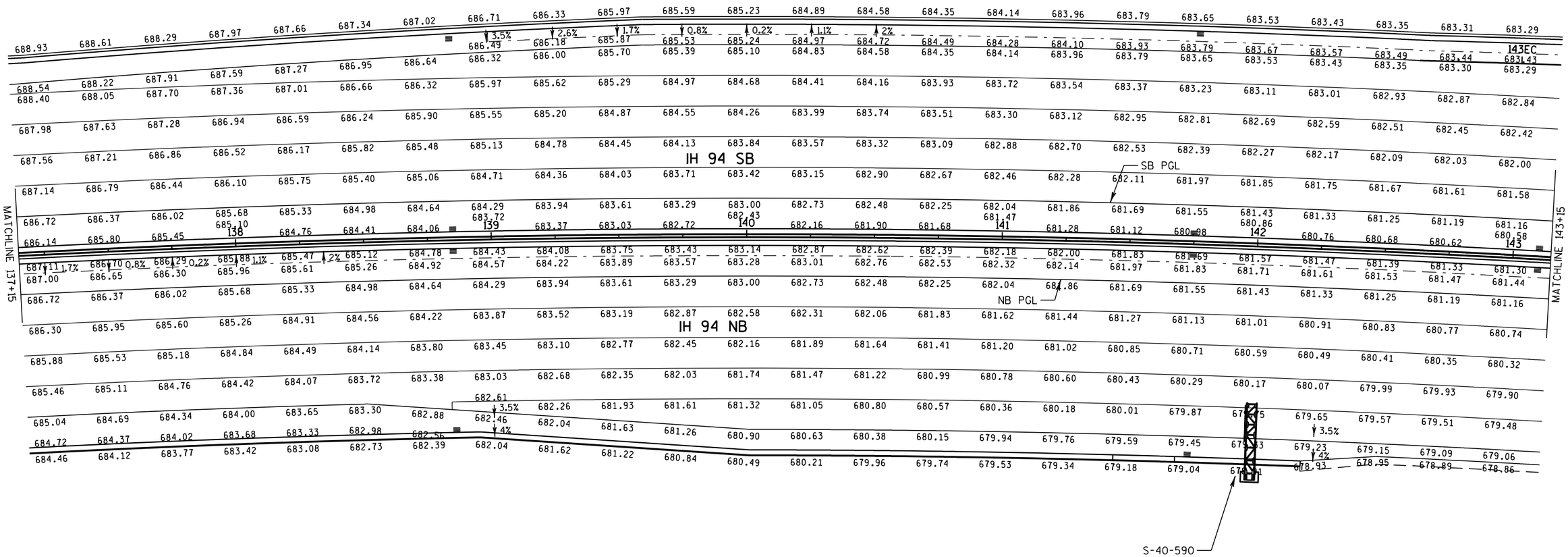
690.30 689.96 689.61 689.27
689.81 689.49 689.17 688.86
3.5%
689.36 689.02 688.67 688.74
688.94 688.59 688.25 688.32
688.52 688.18 687.83 687.90
688.10 687.75 687.41 687.48
4%
687.60 687.18 686.84 687.06
136 137 686.49
687.93 687.52 2.6%
687.69 687.34
687.41 687.06
686.99 686.64
686.57 686.22
686.15 685.80
685.73 685.38
4%
685.23 685.06 684.81

133 134 135 136

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PAVING GRADES	SHEET	E

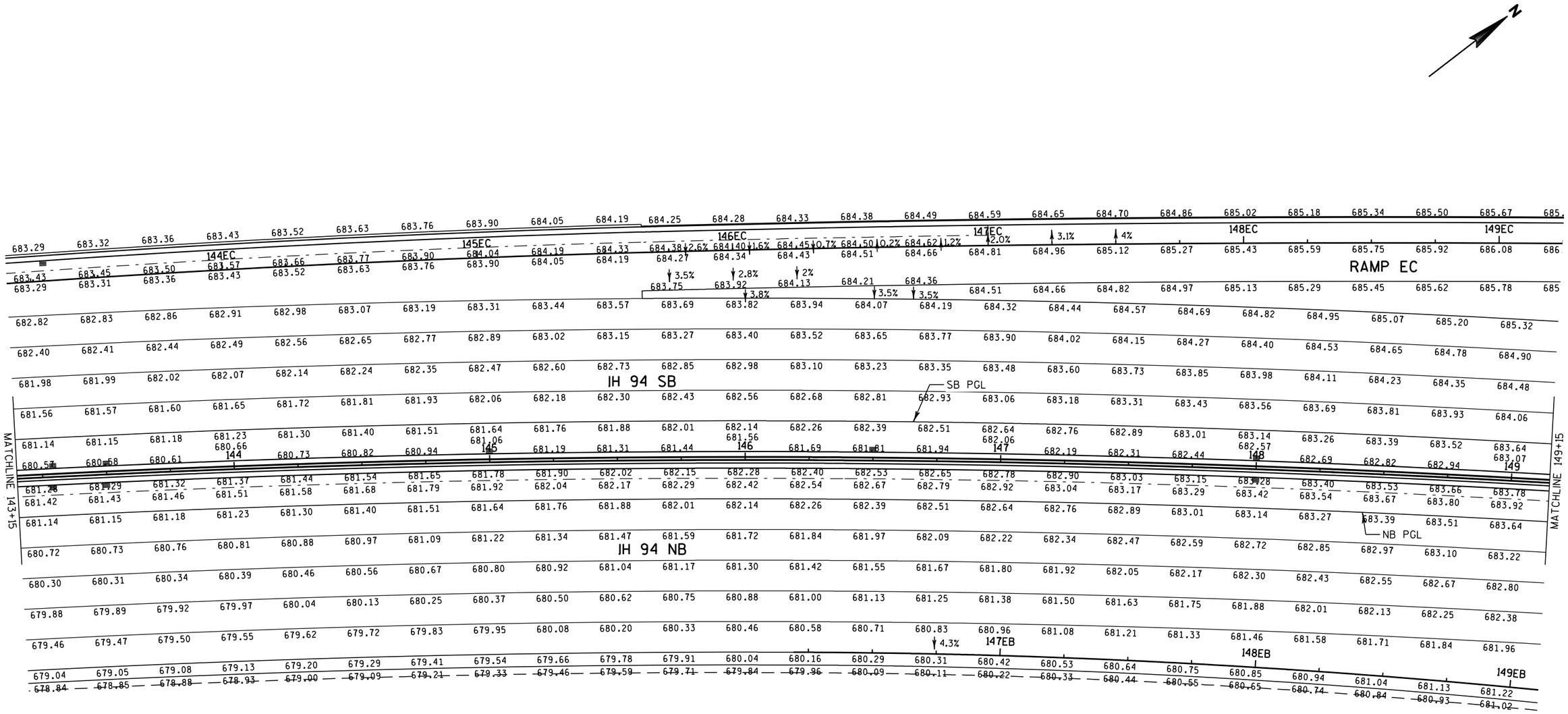
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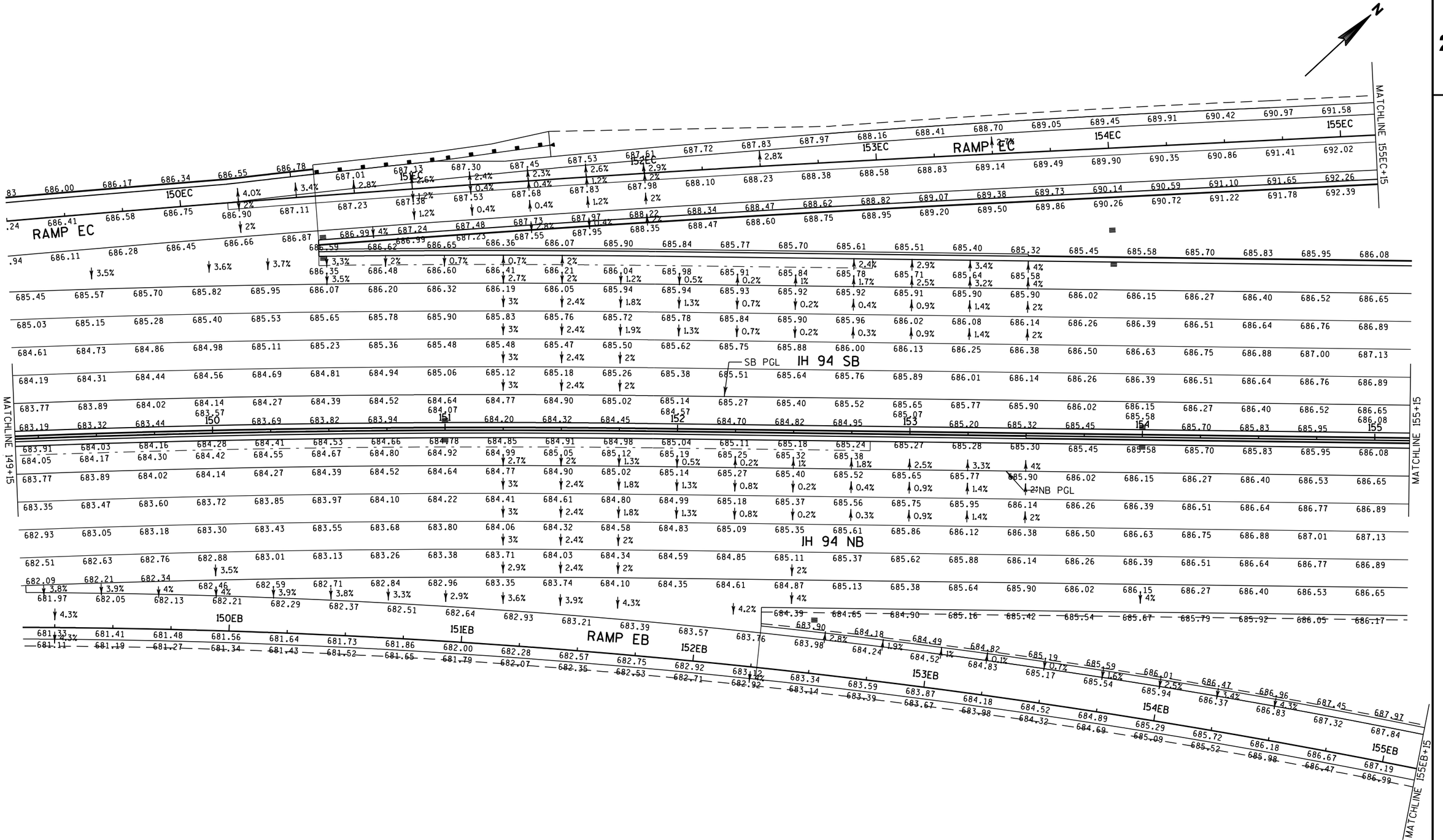
PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PAVING GRADES	SHEET	E

2



PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PAVING GRADES	SHEET	E

2



PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PAVING GRADES	SHEET	E

2

N

686.20 686.33 686.45 686.58 686.70 686.83 686.95 687.08 687.20 687.33 687.46 687.58 687.71 687.83 687.96 688.08 688.21 688.33 688.46 688.58 688.71 688.83 688.96 689.09

686.78 686.90 687.03 687.15 687.28 687.40 687.53 687.65 687.78 687.90 688.03 688.15 688.28 688.41 688.53 688.66 688.78 688.91 689.03 689.16 689.28 689.41 689.53 689.66

687.02 687.14 687.27 687.39 687.52 687.64 687.77 687.89 688.02 688.14 688.27 688.39 688.52 688.64 688.77 688.90 689.02 689.15 689.27 689.40 689.52 689.65 689.77 689.90

687.26 687.38 687.51 687.63 687.76 687.88 688.01 688.13 688.26 688.38 688.51 688.64 688.76 688.88 689.01 689.14 689.26 689.39 689.51 689.64 689.76 689.89 690.01 690.14

IH 94 SB

687.02 687.14 687.27 687.39 687.52 687.64 687.77 687.89 688.02 688.14 688.27 688.39 688.52 688.64 688.77 688.90 689.02 689.15 689.27 689.40 689.52 689.65 689.77 689.90

SB PGL

686.77 686.90 687.03 687.15 687.28 687.40 687.53 687.65 687.78 687.90 688.03 688.15 688.28 688.41 688.53 688.66 688.78 688.91 689.03 689.16 689.28 689.41 689.53 689.66

686.58 687.08 687.58 688.08 688.58 689.09

686.20 686.33 686.45 156 686.70 686.83 686.95 157 687.20 687.33 687.46 158 687.71 687.83 687.96 159 688.21 688.33 688.46 160 688.71 688.83 688.96 161

MATCHLINE 155+15

MATCHLINE 161+15

686.20 686.33 686.45 686.58 686.70 686.83 686.95 687.08 687.21 687.33 687.46 687.58 687.71 687.83 687.96 688.08 688.21 688.33 688.46 688.58 688.71 688.84 688.96 689.09

NB PGL

686.77 686.90 687.03 687.15 687.28 687.40 687.53 687.65 687.78 687.90 688.03 688.16 688.28 688.40 688.53 688.66 688.78 688.91 689.03 689.16 689.28 689.41 689.53 689.66

IH 94 NB

687.01 687.14 687.27 687.39 687.52 687.64 687.77 687.89 688.02 688.14 688.27 688.40 688.52 688.65 688.77 688.90 689.02 689.15 689.27 689.40 689.52 689.65 689.77 689.90

687.26 687.38 687.51 687.63 687.76 687.88 688.01 688.13 688.26 688.38 688.51 688.64 688.76 688.89 689.01 689.14 689.26 689.39 689.51 689.64 689.76 689.89 690.01 690.14

687.02 687.14 687.27 687.39 687.52 687.64 687.77 687.89 688.02 688.14 688.27 688.39 688.52 688.65 688.77 688.90 689.02 689.15 689.27 689.40 689.52 689.65 689.77 689.90

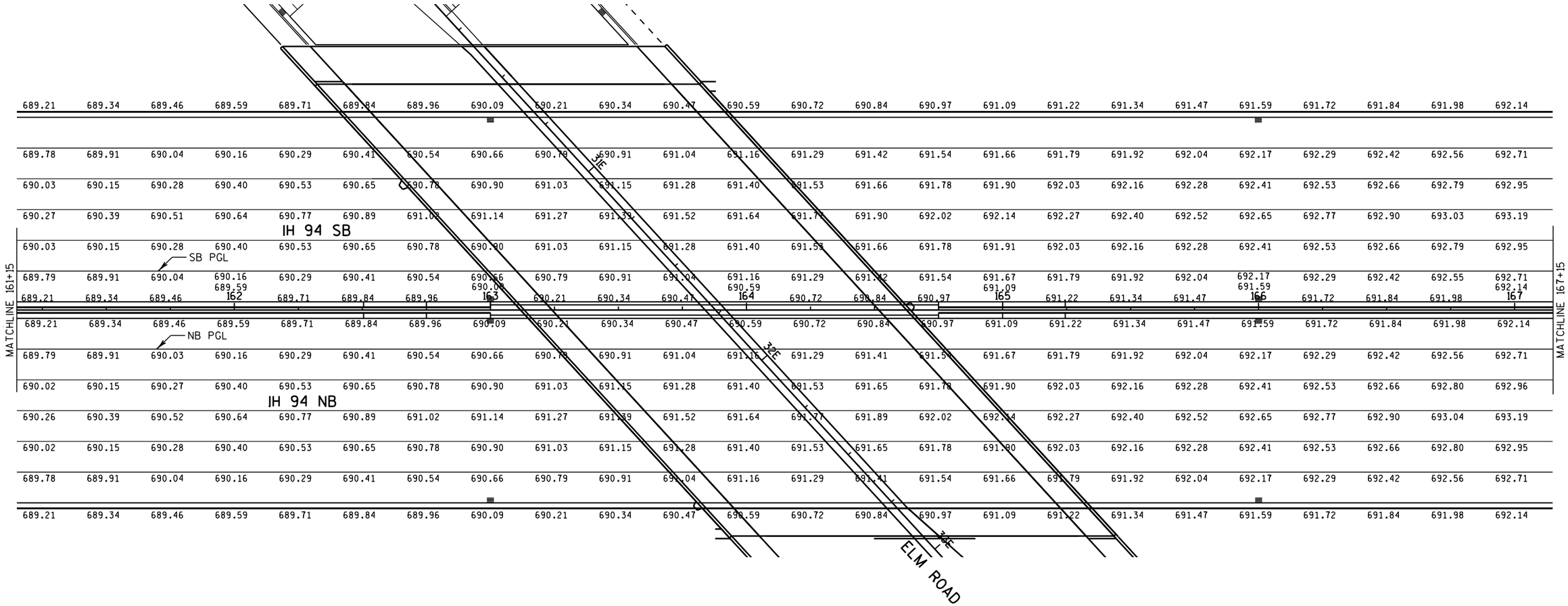
686.78 686.90 687.03 687.15 687.28 687.40 687.53 687.65 687.78 687.90 688.03 688.16 688.28 688.40 688.53 688.66 688.78 688.91 689.03 689.16 689.28 689.41 689.53 689.66

4%

686.30 686.42 686.55 686.67 686.80 686.92 687.05 687.17 687.30 687.42 687.55 687.67 687.80 687.92 688.05 688.18 688.30 688.43 688.55 688.58 688.71 688.83 688.96 689.09

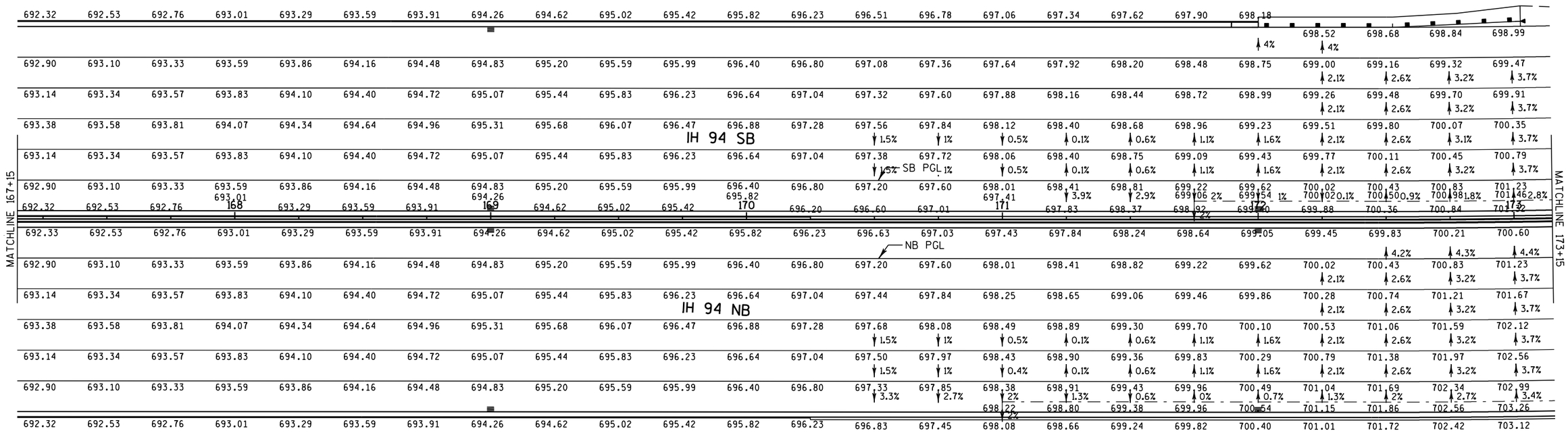
PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PAVING GRADES	SHEET	E

2



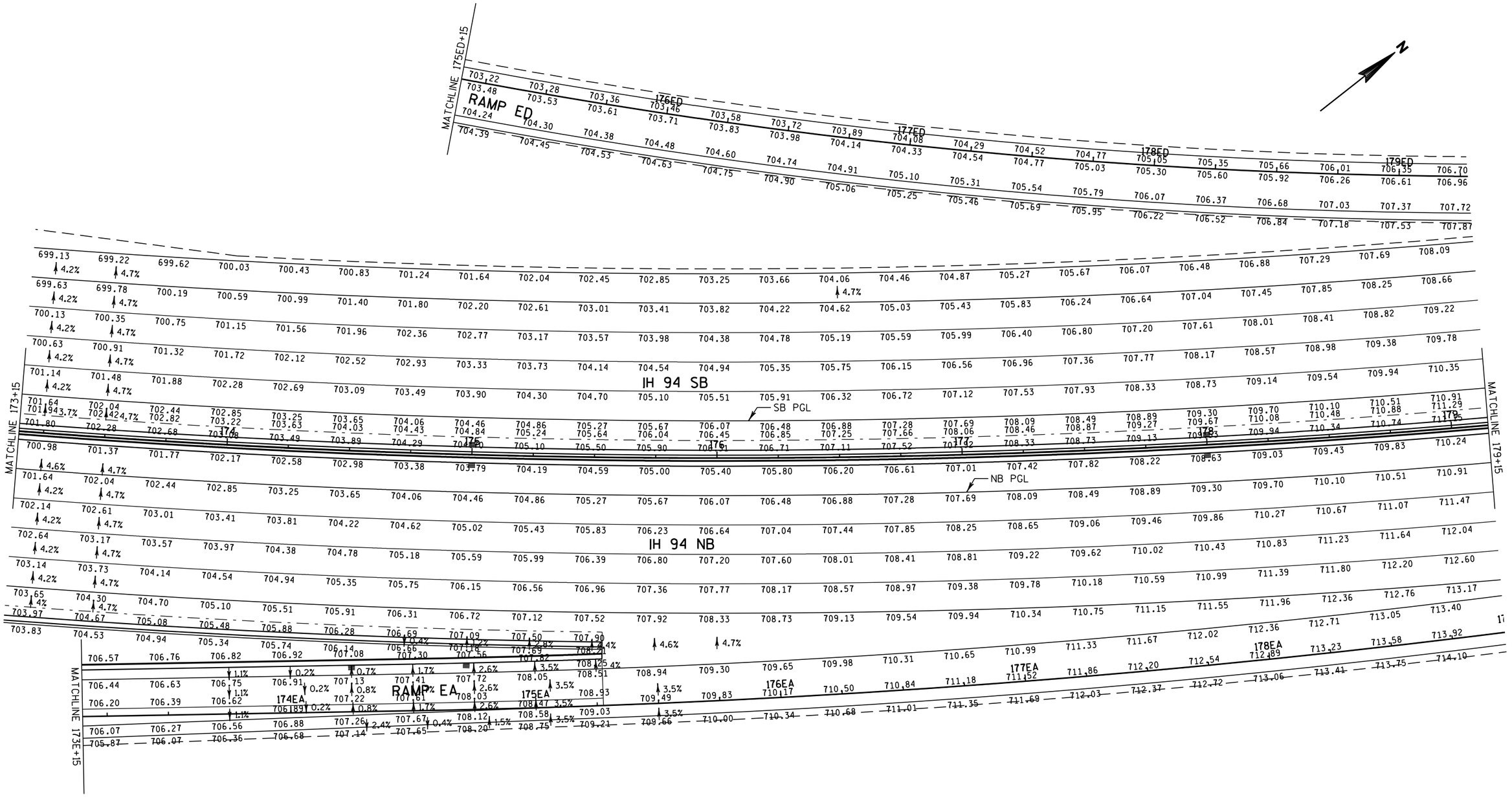
PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PAVING GRADES	SHEET	E

2



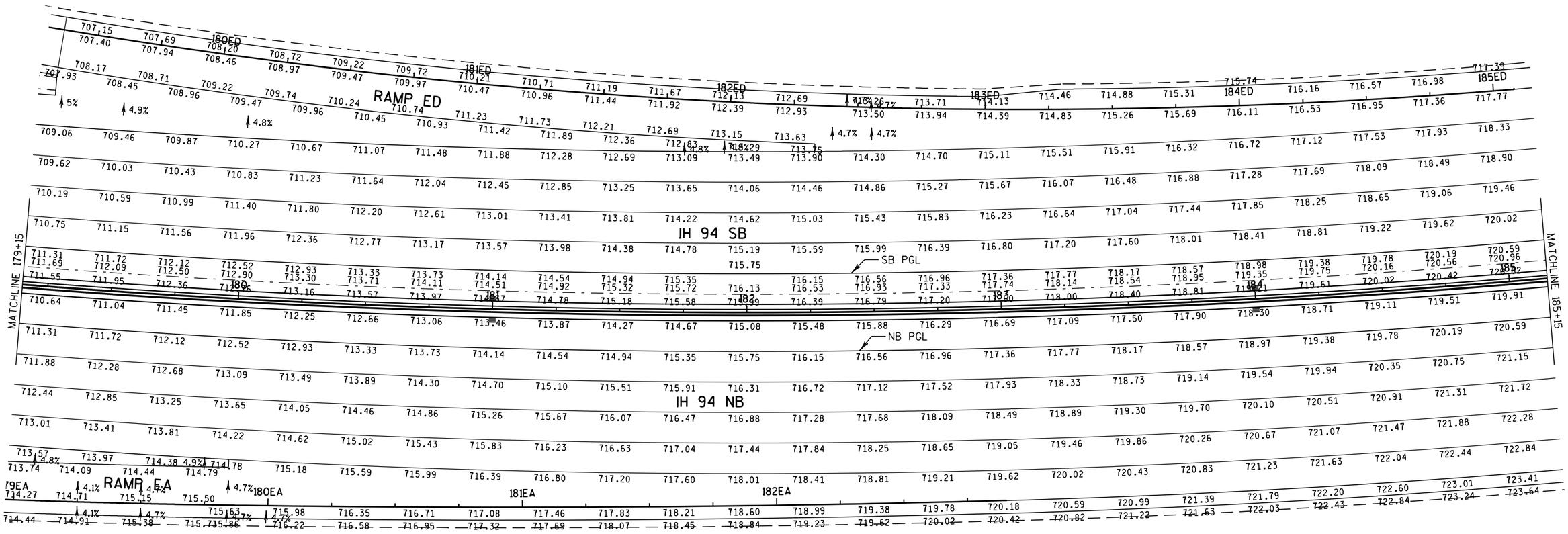
PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PAVING GRADES	SHEET	E

2



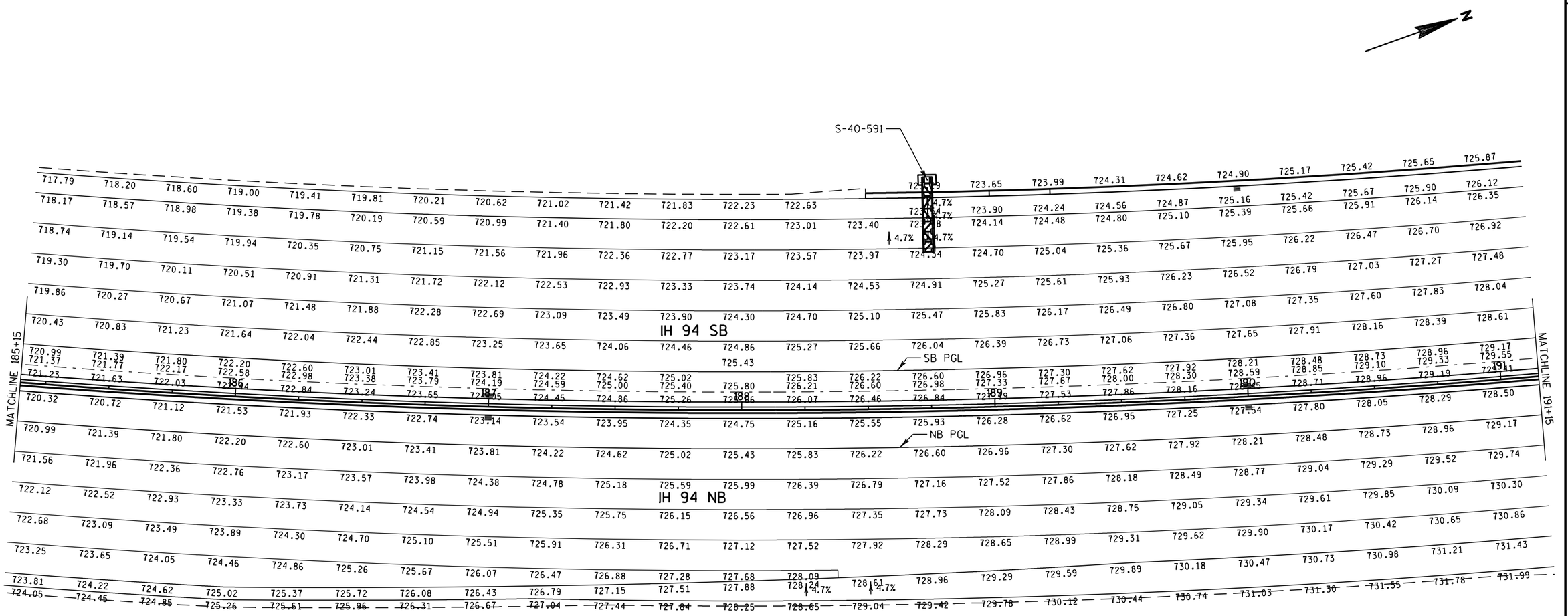
PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PAVING GRADES	SHEET	E

2

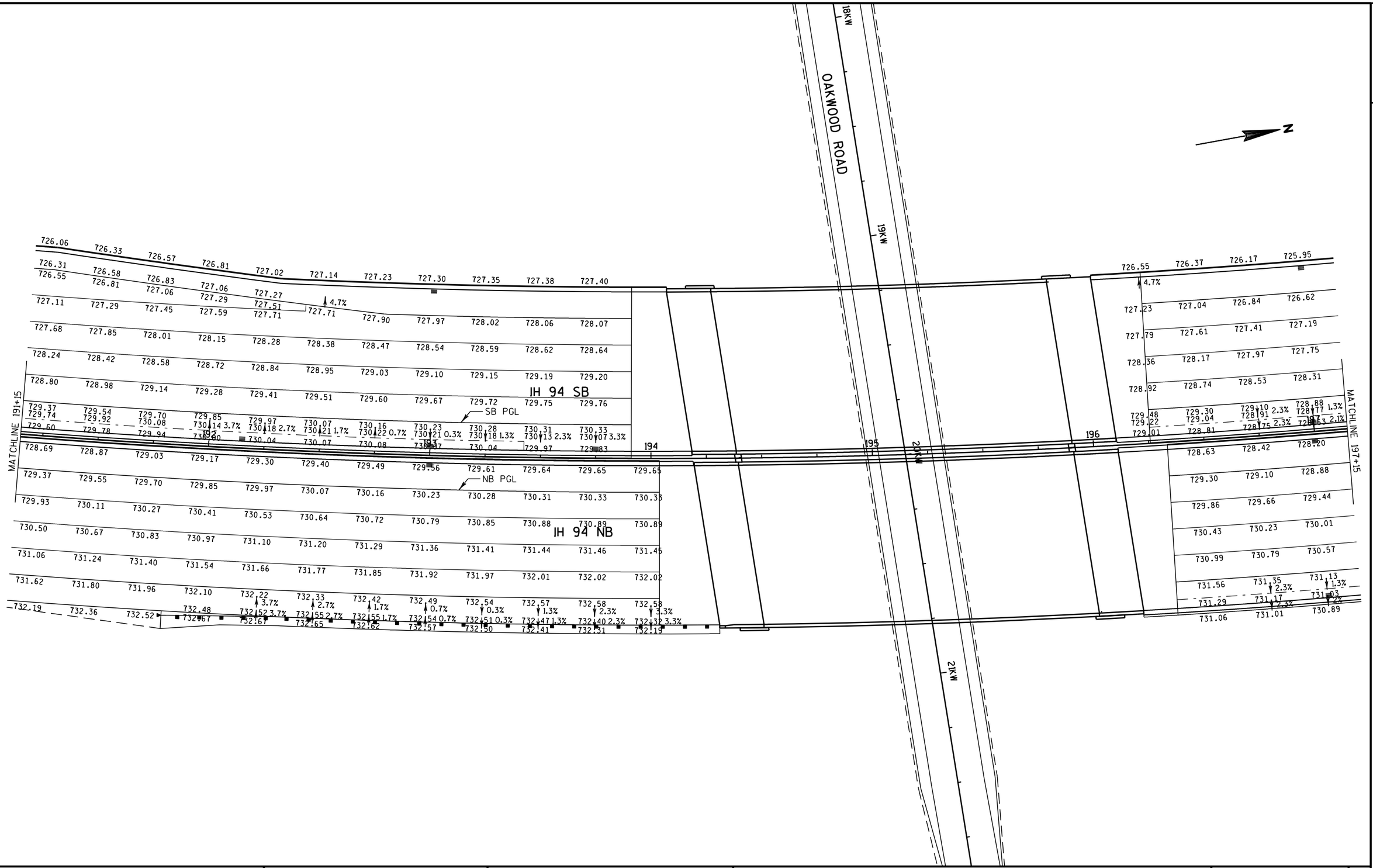


PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PAVING GRADES	SHEET	E

2

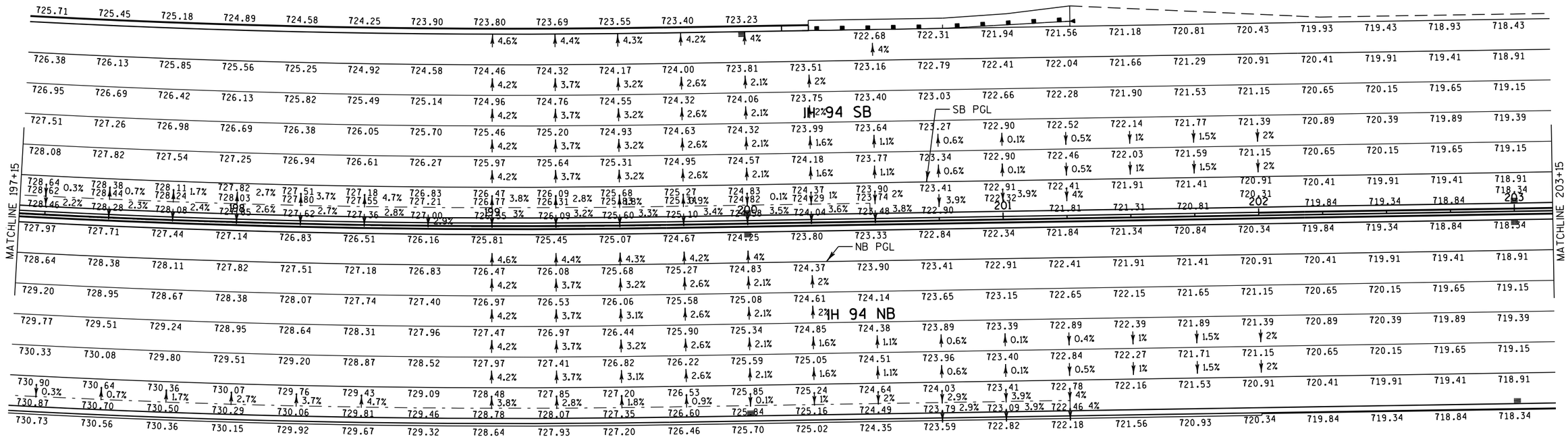


PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PAVING GRADES	SHEET	E



PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PAVING GRADES	SHEET	E

2



PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PAVING GRADES	SHEET	E

2

N

717.93 717.43 716.93 716.43 715.94 715.48 715.05 714.64 714.26 713.91 713.59 713.29 713.01 712.77 712.55 712.35 712.19 712.05 711.92 711.80 711.67 711.54 711.42 711.29

718.41 717.91 717.41 716.91 716.42 715.96 715.53 715.12 714.74 714.39 714.06 713.77 713.49 713.25 713.03 712.83 712.67 712.53 712.40 712.28 712.15 712.02 711.90 711.77

718.65 718.15 717.65 717.15 716.66 716.20 715.77 715.36 714.98 714.63 714.31 714.00 713.73 713.49 713.27 713.07 712.91 712.77 712.64 712.52 712.39 712.26 712.14 712.01

718.89 718.39 717.89 717.39 716.90 716.44 716.01 715.60 715.22 714.87 714.55 714.25 713.97 713.73 713.51 713.31 713.15 713.01 712.88 712.76 712.63 712.50 712.38 712.25

IH 94 SB

718.65 718.15 717.65 717.15 716.66 716.20 715.77 715.36 714.98 714.63 714.30 714.01 713.73 713.49 713.27 713.07 712.91 712.77 712.64 712.52 712.39 712.26 712.14 712.01

SB PGL

718.41 717.91 717.41 716.91 716.42 715.96 715.53 715.12 714.74 714.39 714.06 713.76 713.49 713.25 713.03 712.83 712.67 712.53 712.40 712.28 712.15 712.02 711.90 711.77

717.84 717.34 716.84 716.34 715.85 715.39 714.96 714.55 714.17 713.82 713.49 713.19 712.92 712.67 712.45 712.26 712.09 711.95 711.83 711.70 711.58 711.45 711.33 711.20

MATCHLINE 203+15

204 205 206 207 208 209

MATCHLINE 209+15

717.84 717.34 716.84 716.34 715.85 715.39 714.96 714.55 714.17 713.82 713.49 713.19 712.92 712.67 712.45 712.26 712.09 711.95 711.83 711.70 711.58 711.45 711.33 711.20

NB PGL

718.41 717.91 717.41 716.91 716.42 715.96 715.53 715.12 714.74 714.39 714.06 713.77 713.49 713.25 713.03 712.83 712.67 712.53 712.40 712.28 712.15 712.02 711.90 711.77

718.65 718.15 717.65 717.15 716.66 716.20 715.77 715.36 714.98 714.63 714.31 714.00 713.73 713.49 713.27 713.07 712.91 712.77 712.64 712.52 712.39 712.26 712.14 712.01

IH 94 NB

718.89 718.39 717.89 717.39 716.90 716.44 716.01 715.60 715.22 714.87 714.55 714.25 713.97 713.73 713.51 713.31 713.15 713.01 712.88 712.76 712.63 712.50 712.38 712.25

718.65 718.15 717.65 717.15 716.66 716.20 715.77 715.36 714.98 714.63 714.30 714.01 713.73 713.49 713.27 713.07 712.91 712.77 712.64 712.52 712.39 712.26 712.14 712.01

718.41 717.91 717.41 716.91 716.42 715.96 715.53 715.12 714.74 714.39 714.06 713.76 713.49 713.25 713.03 712.83 712.67 712.53 712.40 712.28 712.15 712.02 711.90 711.77

4%

4%

717.84 717.34 716.84 716.34 715.85 715.39 714.96 714.55 714.17 713.82 713.49 713.19 712.92 712.67 712.45 712.26 712.09 711.95 711.83 711.70 711.58 711.42 711.29

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PAVING GRADES	SHEET	E

2

N

711.17 711.04 710.92 710.79 710.66 710.54 710.41 710.28 710.16 710.03 709.91 709.78 709.66 709.53 709.40 709.28 709.15 709.02 708.90 708.77 708.65 708.52 708.40 708.27

711.65 711.52 711.39 711.27 711.14 711.02 710.89 710.77 710.64 710.51 710.39 710.26 710.13 710.01 709.88 709.76 709.63 709.51 709.38 709.25 709.13 709.00 708.88 708.75

711.89 711.76 711.64 711.51 711.38 711.26 711.13 711.01 710.88 710.75 710.63 710.50 710.37 710.25 710.12 710.00 709.87 709.75 709.62 709.49 709.37 709.24 709.11 708.99

712.13 712.00 711.88 711.75 711.62 711.50 711.37 711.24 711.12 710.99 710.87 710.74 710.62 710.49 710.36 710.24 710.11 709.98 709.86 709.73 709.61 709.48 709.36 709.23

IH 94 SB

711.89 711.76 711.63 711.51 711.38 711.26 711.13 711.01 710.88 710.75 710.63 710.50 710.38 710.25 710.12 710.00 709.87 709.74 709.62 709.49 709.37 709.24 709.12 708.99

SB PGL

711.65 711.52 711.39 711.27 711.14 711.02 710.89 710.77 710.64 710.51 710.39 710.26 710.13 710.01 709.88 709.76 709.63 709.51 709.38 709.25 709.13 709.00 708.87 708.75

711.07 710.95 710.82 710.70 710.57 710.44 710.32 710.19 710.06 709.94 709.81 709.69 709.56 709.44 709.31 709.18 709.06 708.93 708.81 708.68 708.55 708.43 708.30 708.18

MATCHLINE 209+15

210 211 212 213 214 215

MATCHLINE 215+15

711.07 710.95 710.82 710.69 710.57 710.44 710.32 710.19 710.07 709.94 709.81 709.69 709.56 709.44 709.31 709.18 709.06 708.93 708.81 708.68 708.55 708.43 708.30 708.18

NB PGL

711.65 711.52 711.39 711.27 711.14 711.02 710.89 710.77 710.64 710.51 710.39 710.26 710.13 710.01 709.88 709.76 709.63 709.51 709.38 709.25 709.13 709.00 708.88 708.75

711.89 711.76 711.64 711.51 711.38 711.26 711.13 711.01 710.88 710.75 710.63 710.50 710.37 710.25 710.12 710.00 709.87 709.75 709.62 709.49 709.37 709.24 709.11 708.99

IH 94 NB

712.13 712.00 711.88 711.75 711.62 711.50 711.37 711.24 711.12 710.99 710.87 710.74 710.62 710.49 710.36 710.24 710.11 709.98 709.86 709.73 709.61 709.48 709.36 709.23

711.89 711.76 711.63 711.51 711.38 711.26 711.13 711.01 710.88 710.75 710.63 710.50 710.38 710.25 710.12 710.00 709.87 709.74 709.62 709.49 709.37 709.24 709.12 708.99

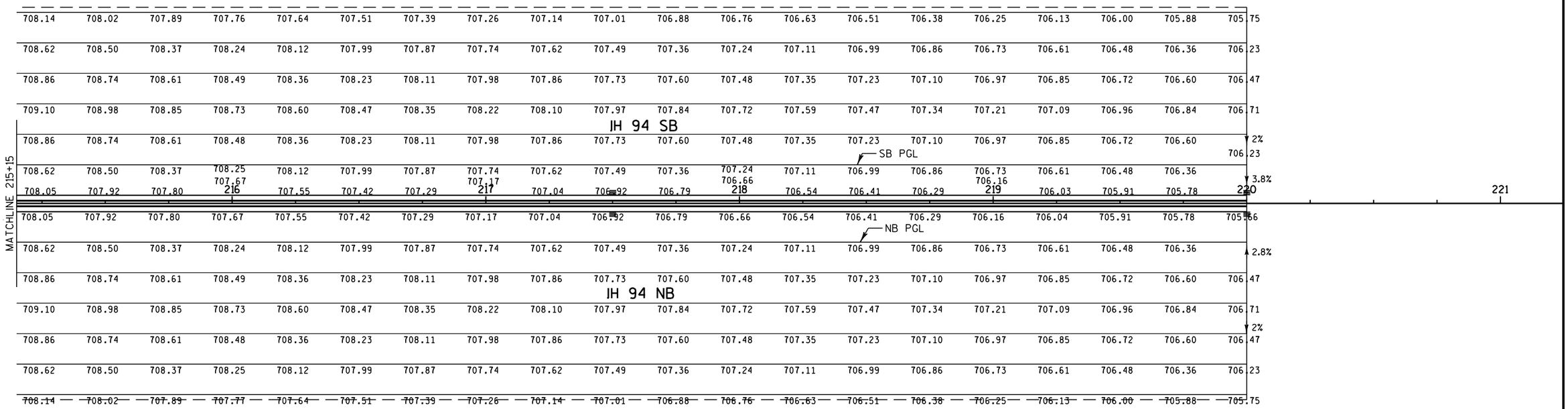
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711.17 711.04 710.92 710.79 710.66 710.54 710.41 710.28 710.16 710.03 709.91 709.78 709.66 709.53 709.40 709.28 709.15 709.02 708.90 708.77 708.65 708.52 708.39 708.27

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PAVING GRADES	SHEET	E

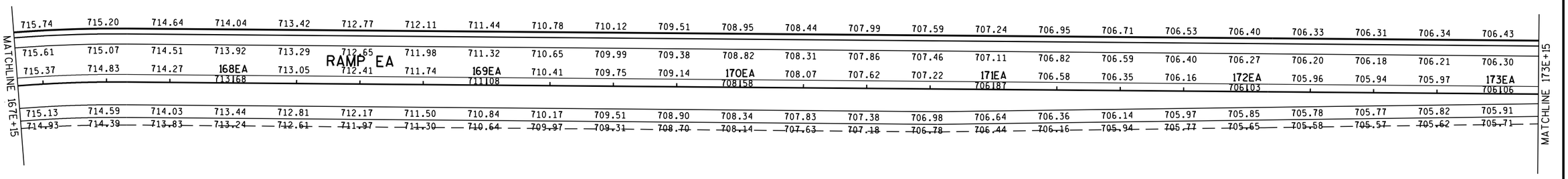
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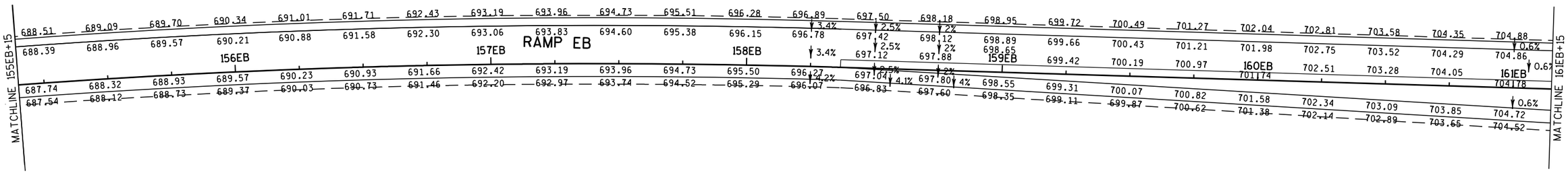
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2



PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PAVING GRADES	SHEET	E

2

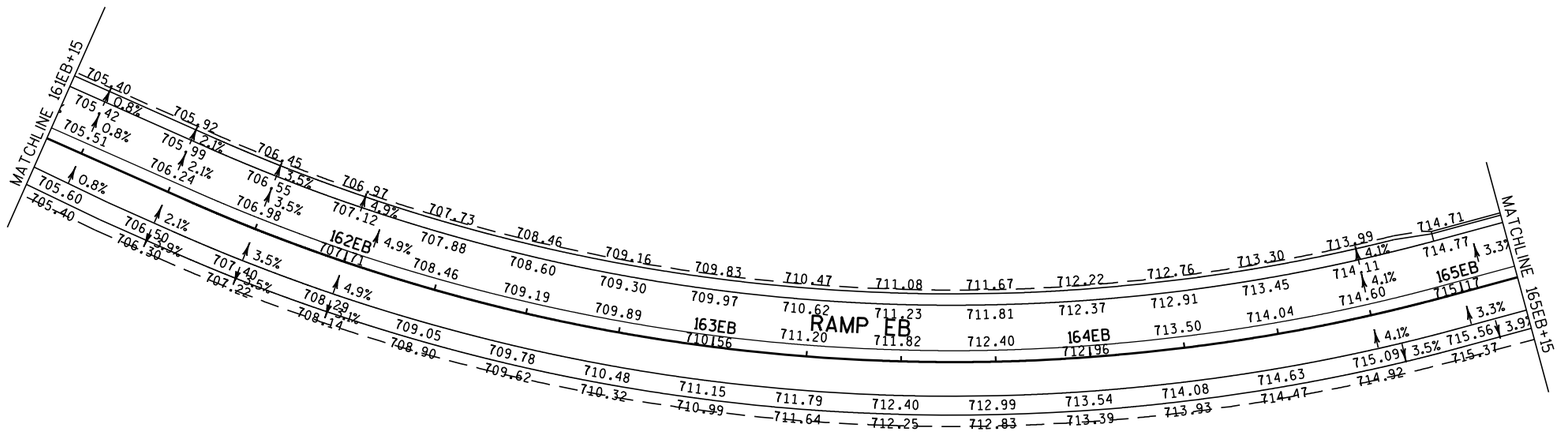


PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PAVING GRADES	SHEET	E

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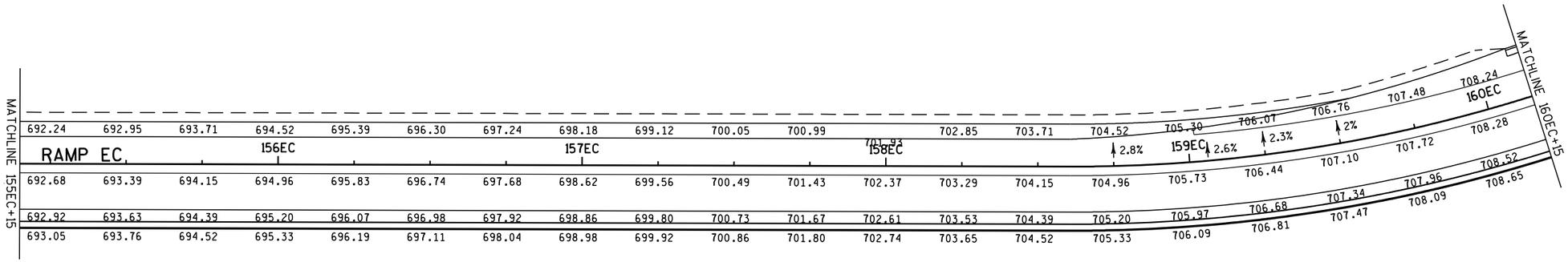
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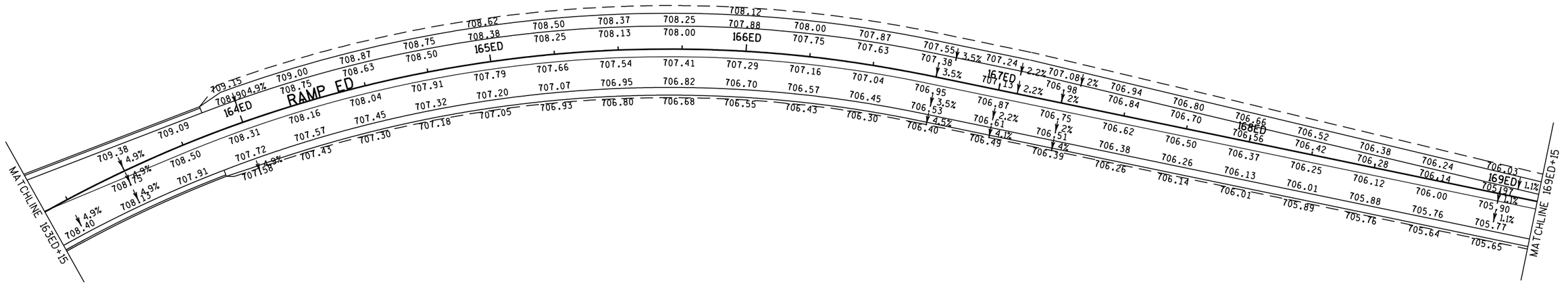
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2

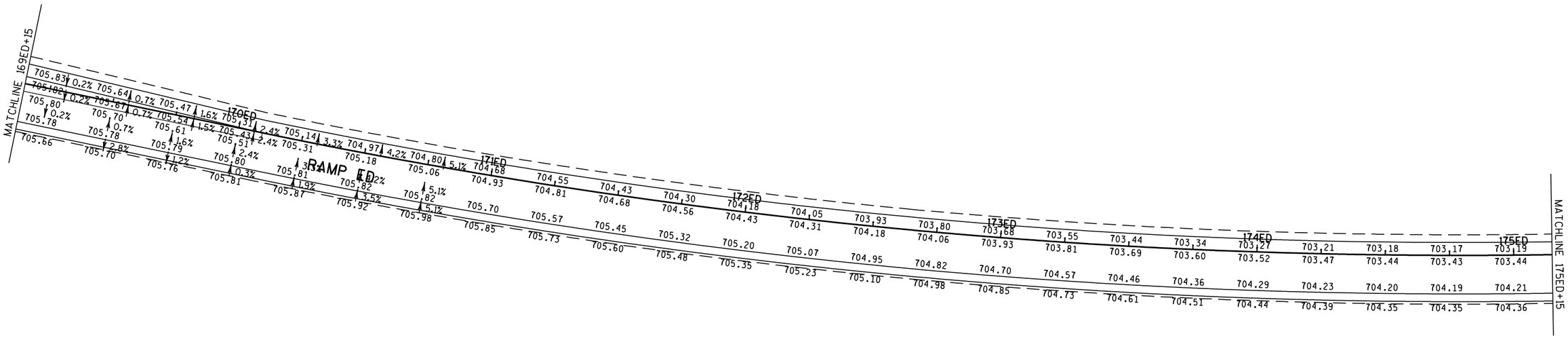


PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PAVING GRADES	SHEET	E

2

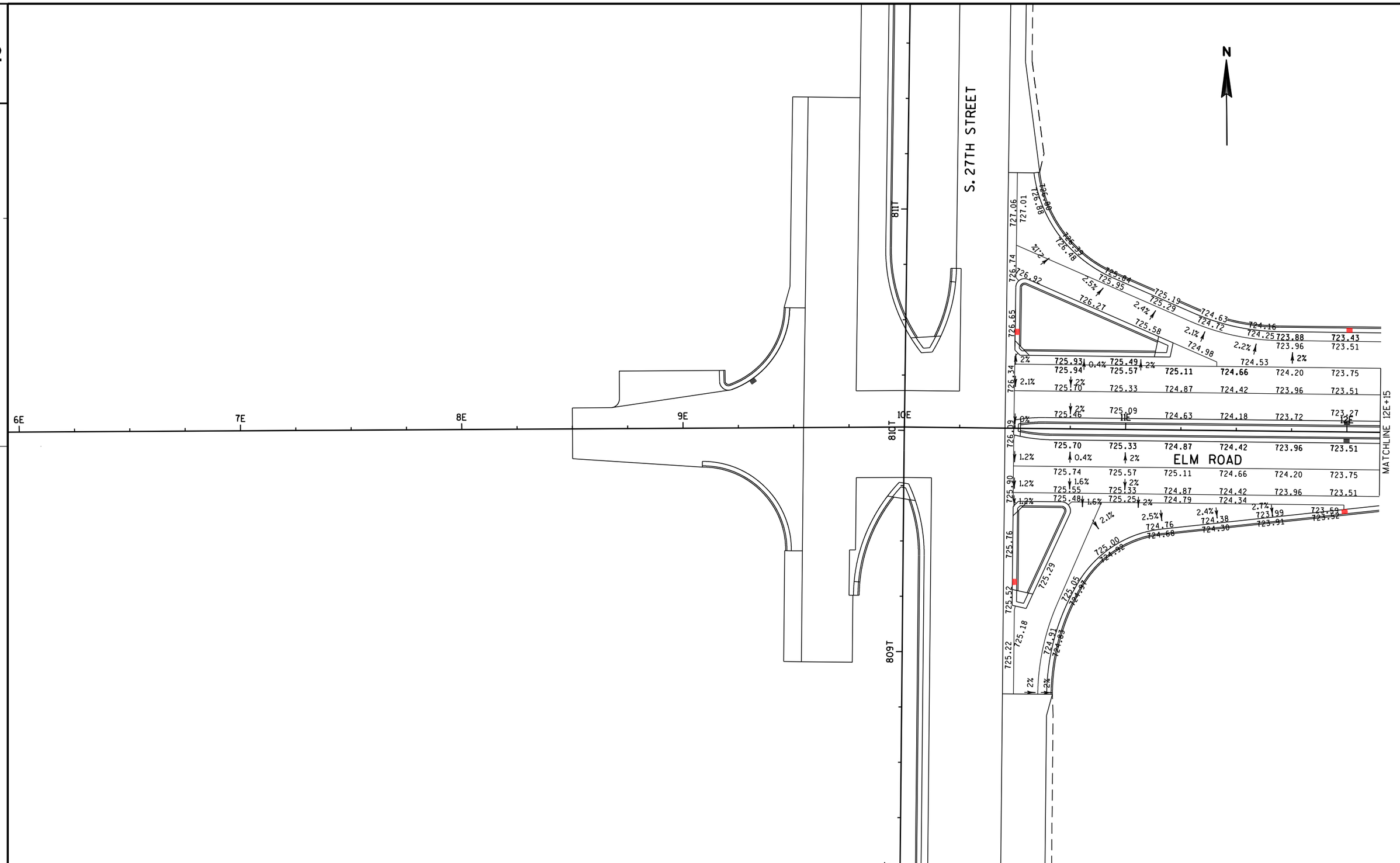

RAMP ED
164ED
165ED
166ED
167ED
168ED
169ED
MATCHLINE 163ED+15
MATCHLINE 169ED+15
709.15
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708.63
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706.14
706.01
705.89
705.76
705.64
705.65
4.9%
4.9%
4.9%

2



PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PAVING GRADES	SHEET	E

2



PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PAVING GRADES	SHEET	E

2

N

S-40-940

722.97	722.52	722.06	721.61	721.15	720.70	720.24	719.79	719.33	718.88	718.42	717.97	717.51	717.06	716.60	716.15	715.69	715.24	714.78	714.33	713.87	713.42	712.96	712.51
723.05	722.60	722.14	721.69	721.23	720.78	720.32	719.87	719.41	718.96	718.50	718.05	717.59	717.14	716.68	716.23	715.77	715.32	714.86	714.41	713.95	713.50	713.04	712.59
723.29	722.84	722.38	721.93	721.47	721.02	720.56	720.11	719.65	719.20	718.74	718.29	717.83	717.38	716.92	716.47	716.01	715.56	715.10	714.65	714.19	713.74	713.28	712.83
723.05	722.60	722.14	721.69	721.23	720.78	720.32	719.87	719.41	718.96	718.50	718.05	717.58	717.14	716.68	716.23	715.77	715.32	714.86	714.41	713.95	713.50	713.04	712.59
722.81	722.36	721.90	721.45	720.99	720.54	720.09	719.67	719.24	718.82	718.40	717.98	717.56											

MATCHLINE 12E+15

13E 14E 15E 16E ELM ROAD 17E 18E

MATCHLINE 18E+15

723.05	722.60	722.14	721.69	721.23	720.78	720.32	719.87	719.41	718.96	718.50	718.05	717.59	717.14	716.68	716.23	715.77	715.26	714.75	714.23	713.72	713.26	712.80	712.35
723.29	722.84	722.38	721.93	721.47	721.02	720.56	720.11	719.65	719.20	718.74	718.29	717.83	717.38	716.92	716.47	716.01	715.56	715.10	714.65	714.19	713.74	713.28	712.83
723.05	722.60	722.14	721.69	721.23	720.78	720.32	719.87	719.41	718.96	718.50	718.05	717.59	717.14	716.68	716.23	715.77	715.32	714.86	714.41	713.95	713.50	713.04	712.59
722.97	722.52	722.06	721.61	721.15	720.70	720.24	719.79	719.33	718.88	718.42	717.97	717.51	717.06	716.60	716.15	715.69	715.24	714.78	714.33	713.87	713.42	712.96	712.51

S-40-941

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PAVING GRADES	SHEET	E

2

N

712.05	711.60	711.14	710.69	710.23	709.78	709.33	708.92	708.55	708.23	707.95	707.71	707.51	707.36	707.25	707.18	707.15	707.17	707.23	707.33	707.47	707.66	707.88	708.10
712.13	711.68	711.22	710.77	710.31	709.86	709.41	709.00	708.63	708.31	708.03	707.79	707.59	707.44	707.33	707.26	707.23	707.25	707.31	707.41	707.55	707.74	707.96	708.18
712.37	711.92	711.46	711.01	710.55	710.10	709.65	709.24	708.87	708.55	708.27	708.03	707.83	707.68	707.57	707.50	707.47	707.49	707.55	707.65	707.79	707.98	708.20	708.42
712.13	711.68	711.22	710.77	710.31	709.86	709.41	709.00	708.63	708.31	708.03	707.79	707.59	707.44	707.33	707.26	707.23	707.25	707.31	707.41	707.55	707.74	707.96	708.18

MATCHLINE 18E+15

710.70

1%

19E

710.19

709.74

709.29

710.46

1%

711.89 711.44 710.98 710.19 709.74

2%

20E

708.66 708.39 708.07 707.79 707.65 707.35 707.20 707.13 707.10 707.11 707.17 707.27

21E

22E

23E

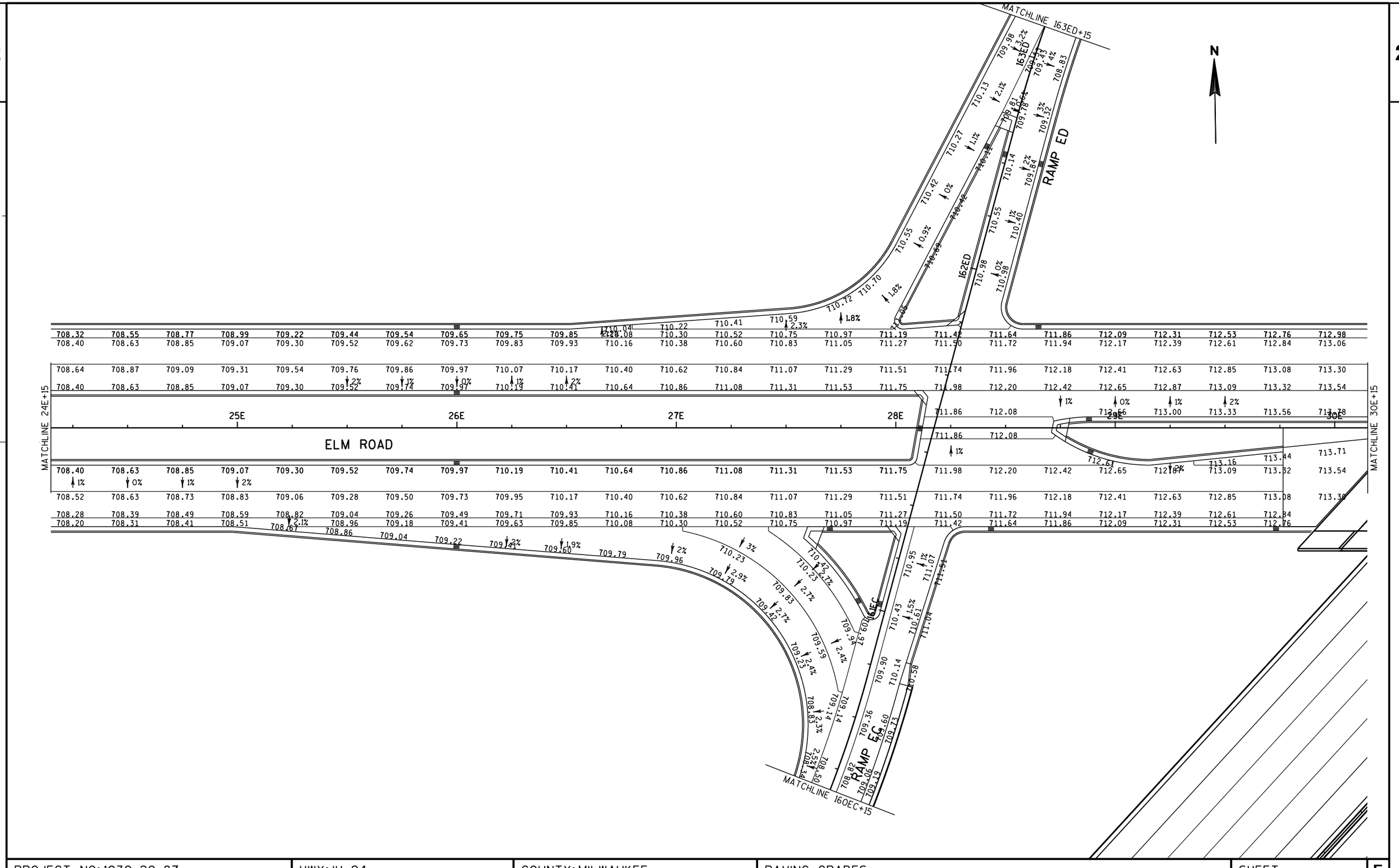
24E

ELM ROAD

MATCHLINE 24E+15

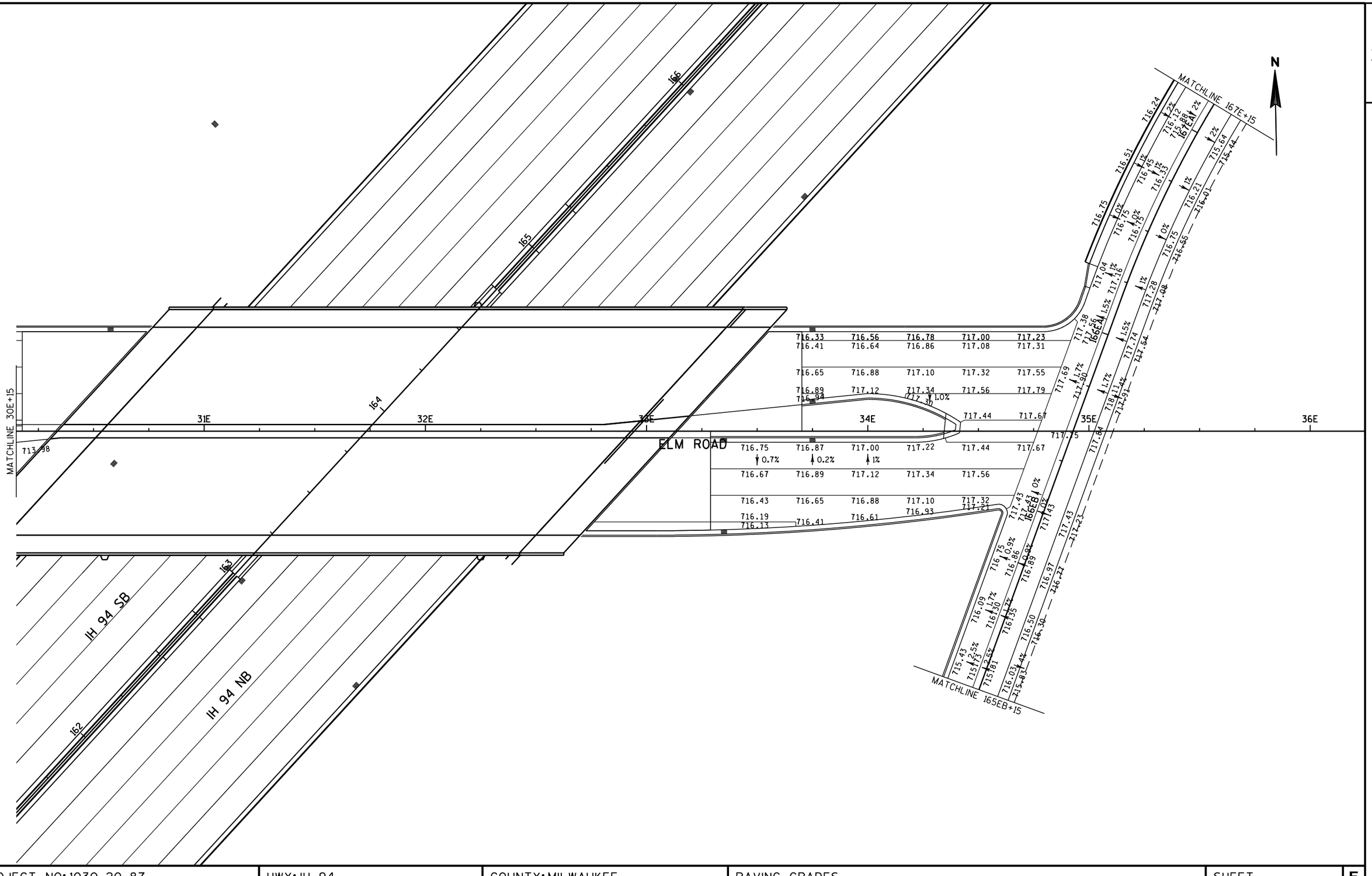
712.13	711.68	711.22	710.77	710.31	709.86	709.41	709.00	708.63	708.31	708.03	707.79	707.59	707.44	707.33	707.26	707.23	707.25	707.31	707.41	707.55	707.74	707.96	708.18
712.37	711.92	711.46	711.01	710.55	710.10	709.65	709.24	708.87	708.55	708.27	708.03	707.83	707.68	707.57	707.50	707.47	707.49	707.55	707.65	707.79	707.98	708.20	708.42
712.13	711.68	711.22	710.77	710.31	709.86	709.41	709.00	708.63	708.31	708.03	707.79	707.59	707.44	707.33	707.26	707.23	707.25	707.31	707.41	707.55	707.74	707.96	708.18
712.05	711.60	711.14	710.69	710.23	709.78	709.33	708.92	708.55	708.23	707.95	707.71	707.51	707.36	707.25	707.18	707.15	707.17	707.23	707.33	707.47	707.66	707.88	708.10

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PAVING GRADES	SHEET	E



PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PAVING GRADES	SHEET	E

2



PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PAVING GRADES	SHEET	E

2

N

802T 803T 804T 805T 806T 807T 808T

713.10 713.77 714.61 715.33 716.17 716.98 717.79 718.59 719.47 720.18 720.91 721.58 722.21 722.86 723.32 723.94 724.28

2%

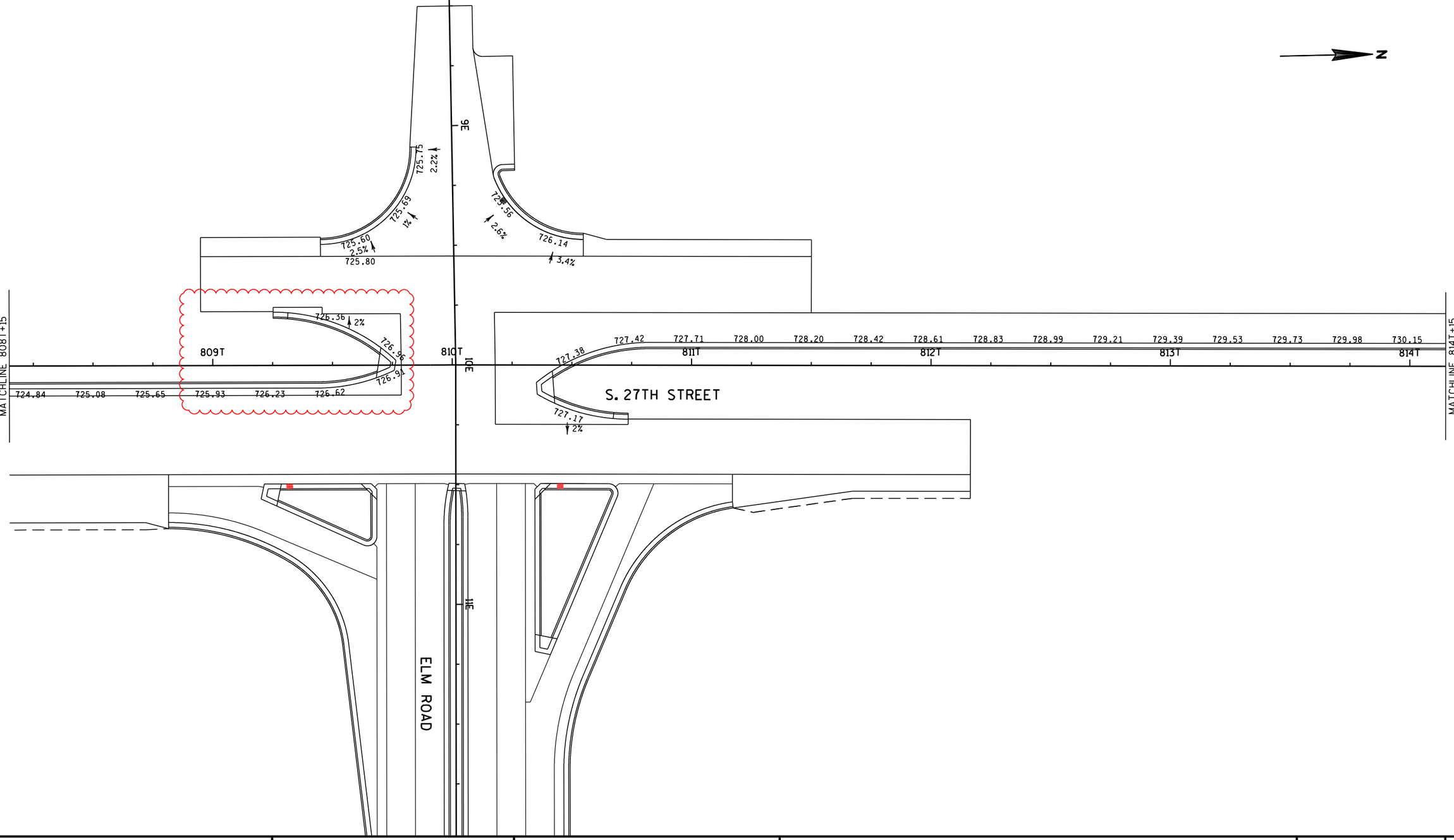
S. 27TH STREET

MATCHLINE 808T+15

MATCHLINE

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PAVING GRADES	SHEET	E

2



PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PAVING GRADES	SHEET	E

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WISDOT/CADDS SHEET 42

2

2

N

730.34 730.47 730.58 730.71 730.84 730.98 731.15

814T+15

815T 816T 817T 818T 819T 820T

MATCHLINE

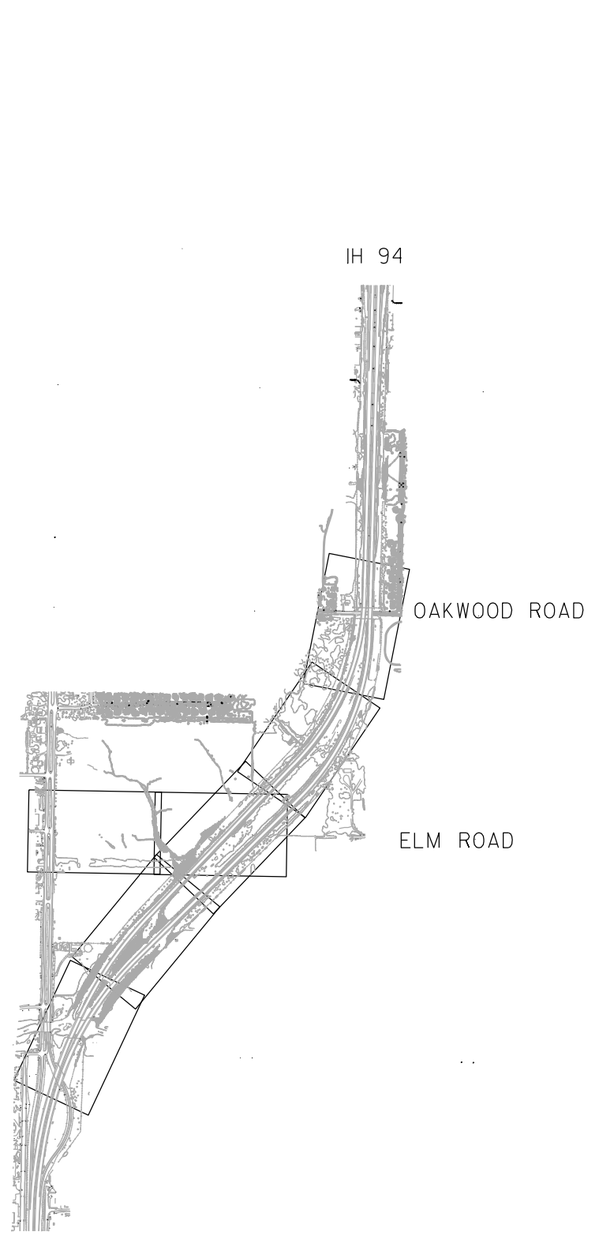
S. 27TH STREET

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PAVING GRADES	SHEET	E

LEGEND	EXISTING	PROPOSED
FTMS CONVENTIONAL SYMBOLS		
CCTV CAMERA AND POLE		
FTMS FIELD CABINET AND BASE		
POLE MOUNTED CABINET		
METER BREAKER PEDESTAL		
STEEL PULL BOX		
24X42-INCH CSCP PULL BOX		
FTMS (ITS) CONDUIT		
BREAKER DISCONNECT BOX		
COMMUNICATIONS VAULT, TYPE 1		
CONCRETE BASE, POLE, AND MICROWAVE DETECTOR		
MICROWAVE VEHICLE DETECTOR DETECTION ZONE		

FTMS STANDARD ABBREVIATIONS

CCTV	CLOSED CIRCUIT TELEVISION SITE
RM	RAMP METER
DMS	DYNAMIC MESSAGE SIGN
SDS	SYSTEM DETECTOR STATION
ATR	AUTOMATIC TRAFFIC RECORDER
FY	ADVANCE FLASHER (ASSEMBLY)
CB	CONTROLLER CABINET
PB	PULL BOX
GPB	GROUNDED PULL BOX
MH	MANHOLE
V	COMMUNICATIONS VAULT
SB	SIGNAL BASE
MD	MICROWAVE DETECTOR



CIVIL PLANS PREPARED BY:
HNTB
HNTB CORPORATION
11414 W. PARK PLACE, SUITE 300
MILWAUKEE, WI 53224

WISCONSIN
MARIA J. DONNELLY
E-37908
MILWAUKEE
WIS.
PROFESSIONAL ENGINEER

SIGNATURE: _____

DATE: _____

APPLIES TO: FTMS PLANS

FTMS GENERAL NOTES

THESE PLANS AND THE ASSOCIATED SPECIAL PROVISIONS REFLECT CONDITIONS KNOWN DURING THE DEVELOPMENT OF THE PLANS AND TECHNICAL SPECIAL PROVISIONS. ALL SCALES, DIMENSIONS AND LOCATIONS SHOWN IN THESE PLANS ARE APPROXIMATE. ACTUAL PHYSICAL FIELD CONDITIONS SHALL PROVIDE THE BASIS FOR THE APPLICATION OF WORK SHOWN IN THE PLANS. THE CONTRACTOR IS FULLY RESPONSIBLE FOR THE APPLICATION OF ALL WORK SHOWN IN THE PLANS TO THE ACTUAL PHYSICAL FIELD CONDITIONS TO PROVIDE A COMPLETE AND ACCEPTED PROJECT. IN THE EVENT THAT ACTUAL PHYSICAL FIELD CONDITIONS AFFECT OR PREVENT THE APPLICATION OR PROGRESSION OF ANY WORK SHOWN IN THE PLANS OR TECHNICAL SPECIAL PROVISIONS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY, AND PRIOR TO ANY FURTHER WORK ACTIVITY. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY LOCATION CHANGES OTHER THAN MINOR ADJUSTMENTS.

BE AWARE THAT ALL EXISTING UNDERGROUND AND ABOVE GROUND STRUCTURES AND FACILITIES WITHIN THE SCOPE OF THIS PROJECT MAY NOT BE LOCATED IN THE PLANS. THE CONTRACTOR IS FULLY RESPONSIBLE FOR LOCATING AND AVOIDING ALL UNDERGROUND AND ABOVE GROUND STRUCTURES AND FACILITIES.

BE AWARE THAT NO TEST BORINGS WERE MADE WHERE CONDUITS, PULLBOXES, POLES, CABINET FOUNDATIONS, OR OTHER EQUIPMENT IS TO BE INSTALLED. THE CONTRACTOR IS FULLY RESPONSIBLE FOR EXAMINING THE JOB SITE CONDITIONS BEFORE SUBMITTING BID PROPOSALS.

NO TREES (AND/OR SHRUBS) ARE TO BE REMOVED WITHOUT APPROVAL OF THE ENGINEER.

AREAS WITHIN THE RIGHT-OF-WAY DISTURBED SPECIFICALLY FOR FTMS CONSTRUCTION ARE TO BE RESTORED TO THE ORIGINAL CONDITION WITH TOPSOIL, FERTILIZER, SEED, AND MULCH. RESTORATION FOR AREAS DISTURBED FOR OTHER CONSTRUCTION OPERATIONS BUT ALSO CONTAINING FTMS CONSTRUCTION WILL BE DONE ACCORDING TO REQUIREMENTS AND PAYMENT PROVISIONS FOR THE OTHER CONSTRUCTION OPERATIONS. NO PAYMENT WILL BE MADE FOR RESTORING AREAS DISTURBED FOR FTMS CONSTRUCTION OPERATIONS.

THE LOCATION OF EXISTING AND PROPOSED UTILITY INSTALLATIONS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

DUE TO RAMP, LANE, SHOULDER CLOSURE RESTRICTIONS, AND WORK UNDER OTHER CONTRACTS, SOME WORK MAY BE REQUIRED TO BE PERFORMED AT NIGHT.

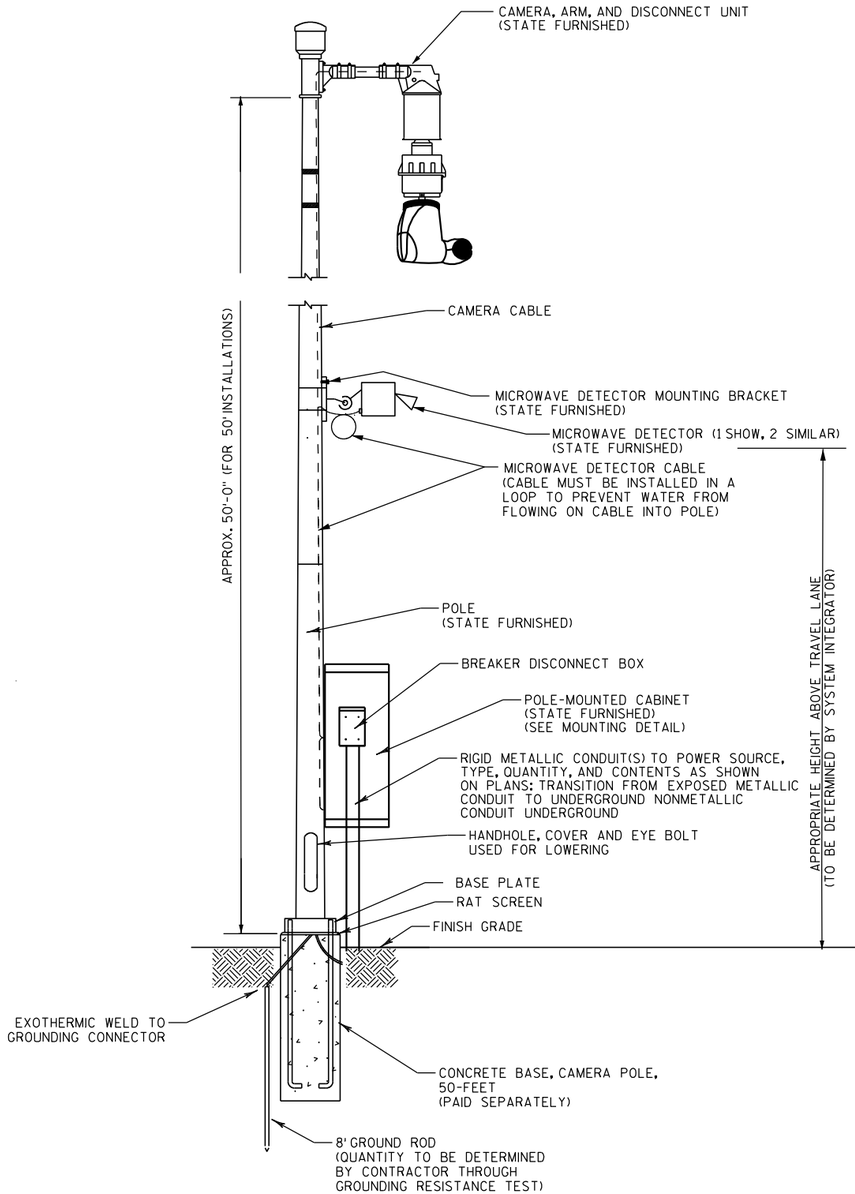
THE CONTRACTOR IS FULLY RESPONSIBLE FOR COORDINATING RAMP, LANE, SHOULDER, AND ROADWAY CLOSURES WITH OTHER CONTRACTS IN THE AREA.

THE CONTRACTOR IS TO CONTACT THE WISDOT STATEWIDE TRAFFIC OPERATIONS CENTER AT (414) 227-2166 FIVE (5) WORKING DAYS PRIOR TO ENTERING ANY EXISTING WISDOT FTMS OR ITS CABINET.

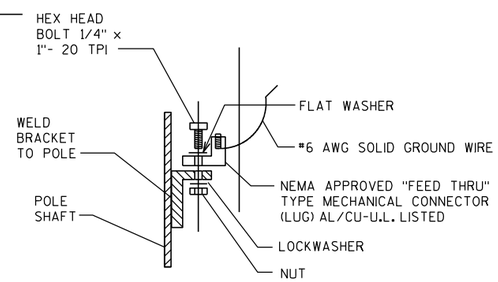
ALL LOOP DETECTORS STATIONED TO CENTER OF LEADING EDGE AS APPROACHED BY NORMAL VEHICLE PATH.

HAND DIG TRENCHES CROSSING EXISTING CONDUIT CONTAINING FIBER OPTIC CABLE.

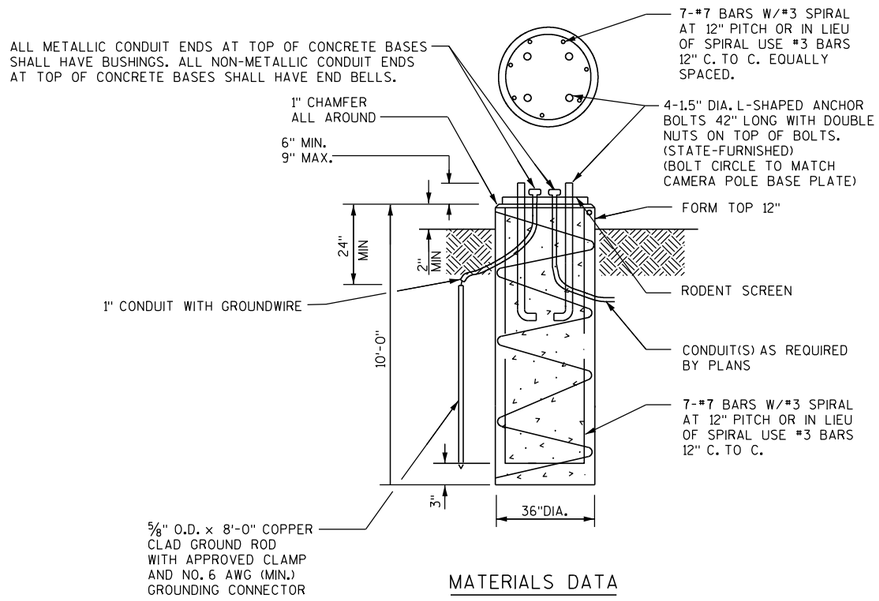
VISUALLY VERIFY DEPTHS OF EXISTING CONDUITS CONTAINING FIBER OPTIC CABLE PRIOR TO CROSSING BY DIRECTIONAL BORE OR SPECIAL METHOD.



CAMERA POLE WITH CAMERA LOWERING HARDWARE



FIELD INSTALLED GROUNDING LUG



MATERIALS DATA

CONCRETE	f'c=3,500 psi
HIGH STRENGTH BAR STEEL REINFORCEMENT	fy = 60,000 psi

CONCRETE BASE, 50' CAMERA POLE

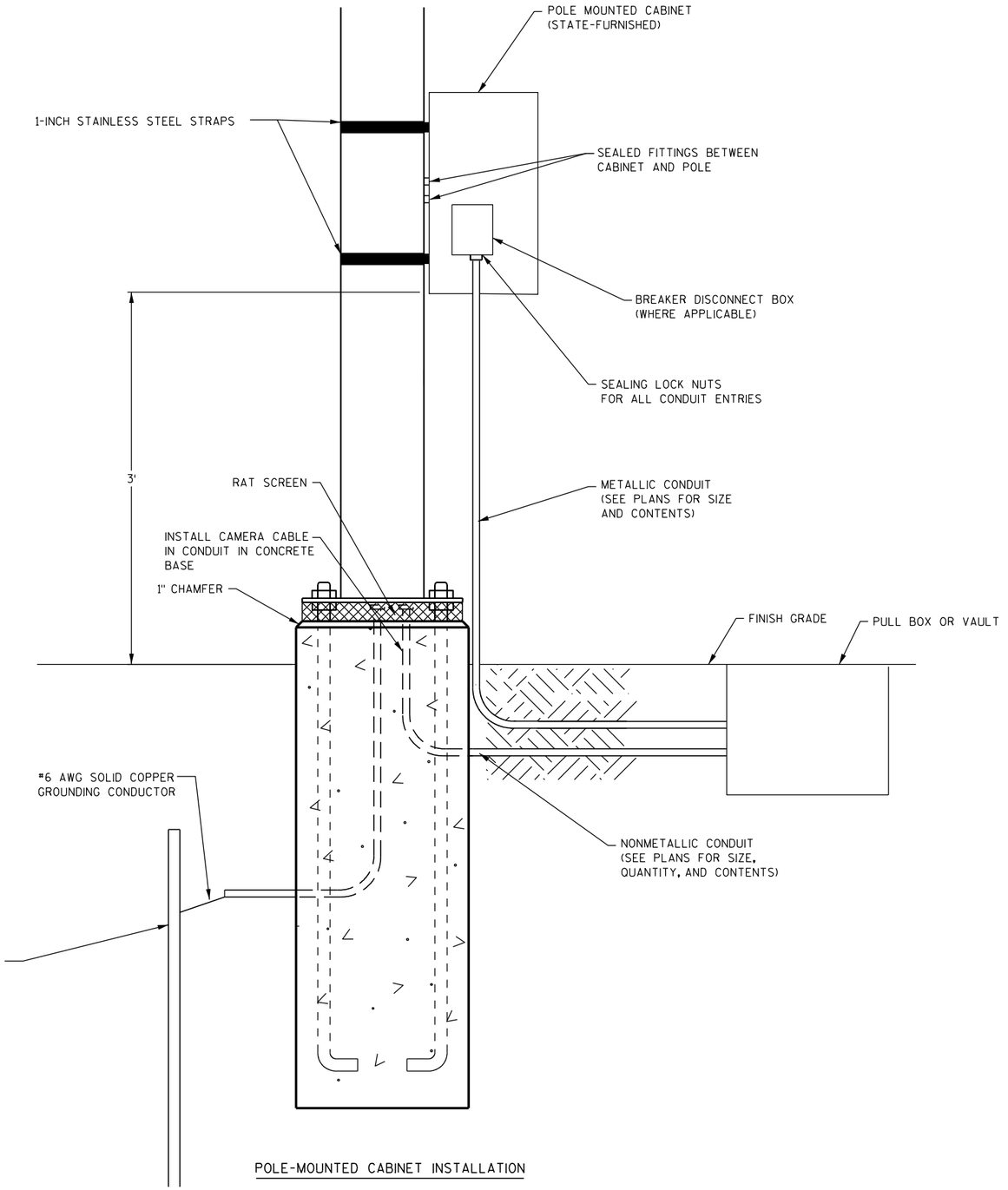
NOT TO SCALE

NOTES

1) ALL HARDWARE AND FASTENERS SHALL BE STAINLESS STEEL
2) POLE DRAWINGS SHOWN FOR BIDDING INFORMATION PURPOSES ONLY. POLES WILL BE STATE FURNISHED. BASE TO BE CONTRACTOR DESIGNED.
3) CONTRACTOR SHALL CONFIRM BOLT PATTERN OF CAMERA POLE PRIOR TO CONSTRUCTION OF CONCRETE BASE.
4) CONTRACTOR SHALL INSTALL GROUNDING LUG AS SHOWN

CAMERA POLES & FOUNDATIONS

2

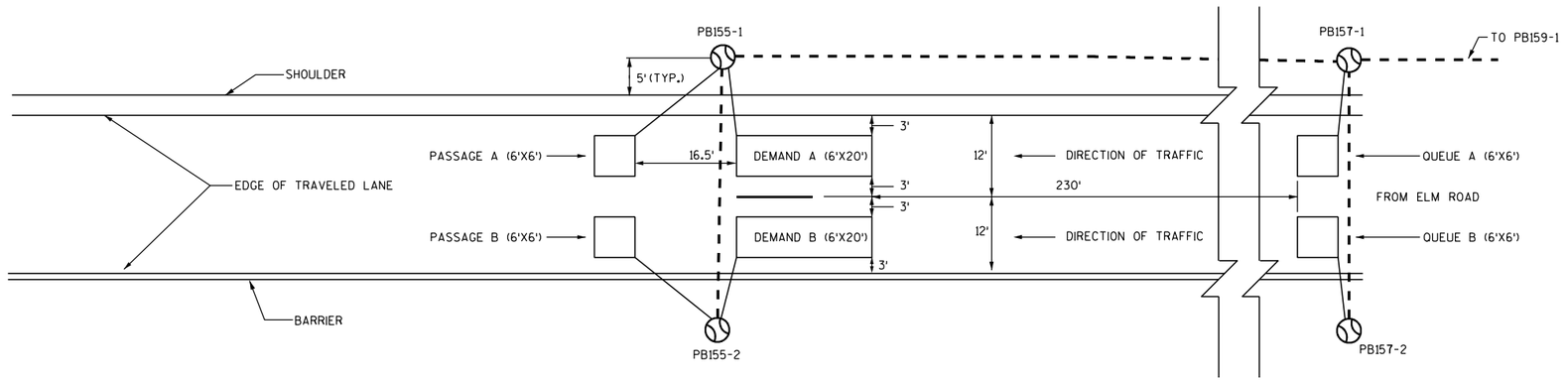


POLE-MOUNTED CABINET INSTALLATION

CLOGATE20.DGN

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	FTMS CONSTRUCTION DETAILS	SHEET	E

2



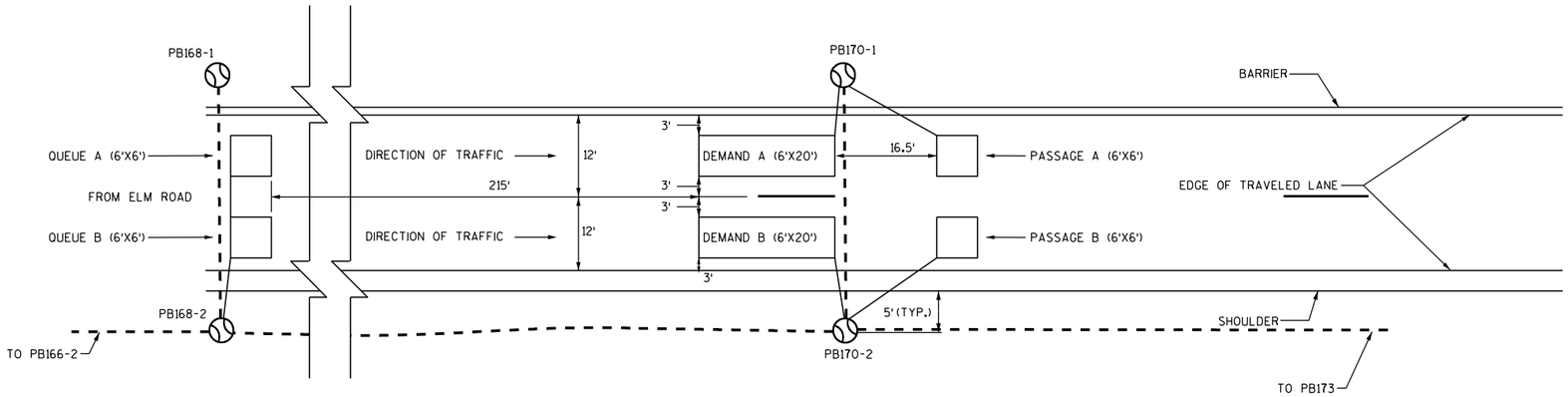
LOOP DETECTOR CHART

LOOP DETECTOR	LENGTH	WIDTH	NO. TURNS
DEMAND A	20-FEET	6-FEET	4
DEMAND B	20-FEET	6-FEET	5
PASSAGE A	6-FEET	6-FEET	5
PASSAGE B	6-FEET	6-FEET	6
ENTRANCE A	6-FEET	10-FEET	3
ENTRANCE B	6-FEET	10-FEET	4
QUEUE A	6-FEET	6-FEET	3
QUEUE B	6-FEET	6-FEET	4

DEMAND/PASSAGE LAYOUT - FOR FUTURE RAMP METERING

ELM ROAD SB ENTRANCE RAMP
(RM-40-0137)
NOT TO SCALE

2



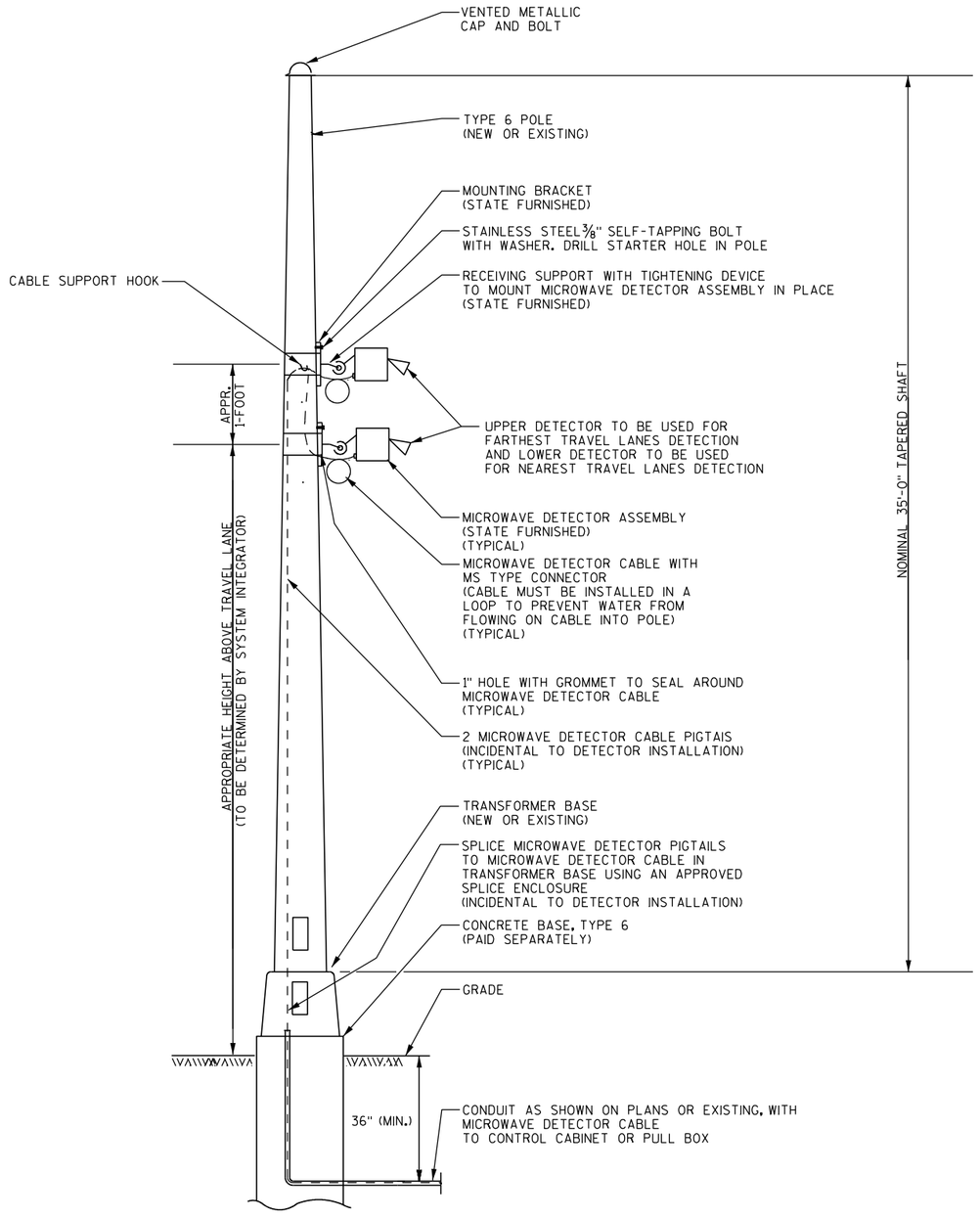
LOOP DETECTOR CHART

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DEMAND/PASSAGE LAYOUT - FOR FUTURE RAMP METERING

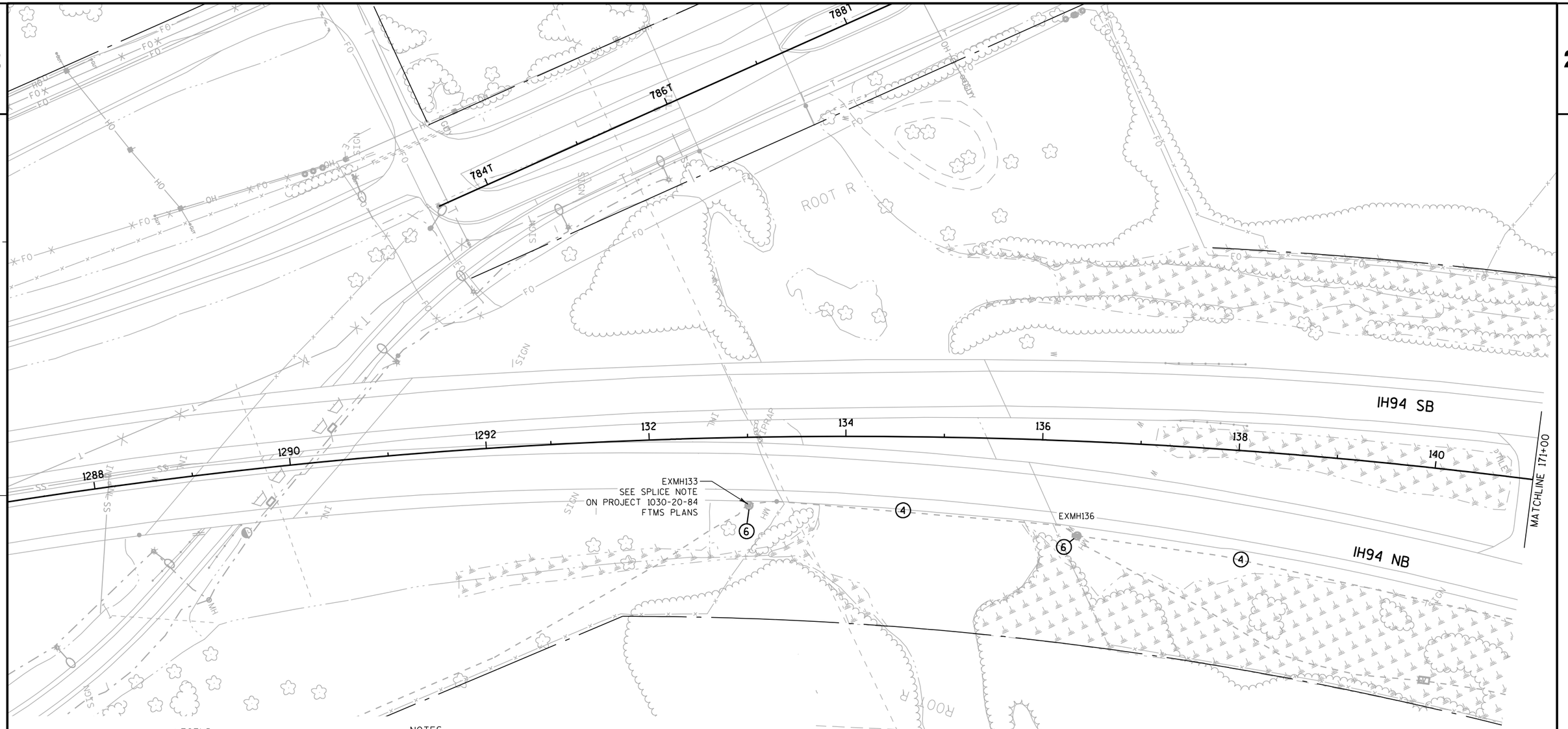
ELM ROAD NB ENTRANCE RAMP
(RM-40-0136)
NOT TO SCALE

2



MICROWAVE DETECTOR INSTALLATION
ON TYPE 6 POLE

2



LEGEND

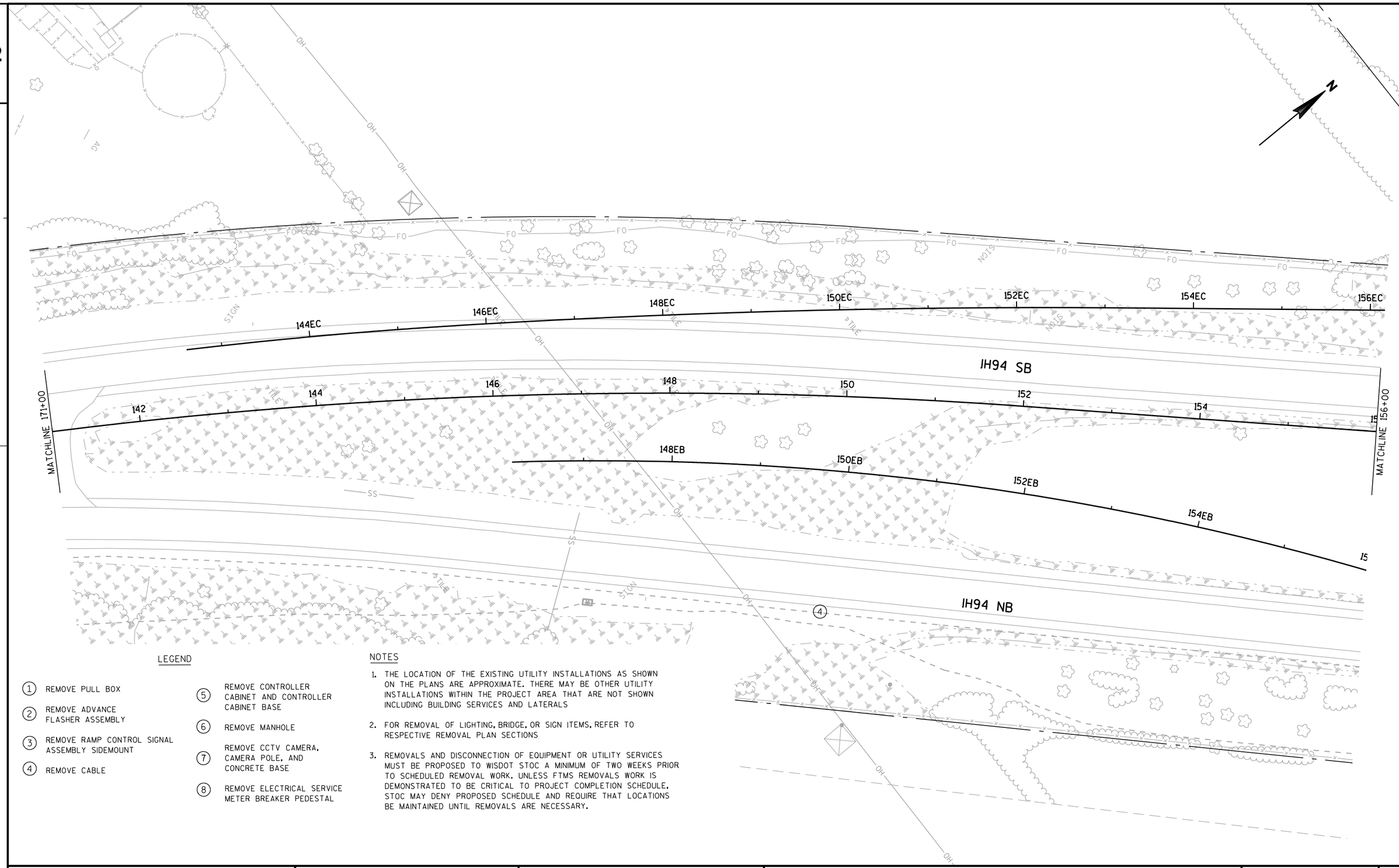
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4. REMOVE CABLE
5. REMOVE CONTROLLER CABINET AND CONTROLLER CABINET BASE
6. REMOVE MANHOLE
7. REMOVE CCTV CAMERA, CAMERA POLE, AND CONCRETE BASE
8. REMOVE ELECTRICAL SERVICE METER BREAKER PEDESTAL

NOTES

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PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	FTMS REMOVALS	SHEET	E

2



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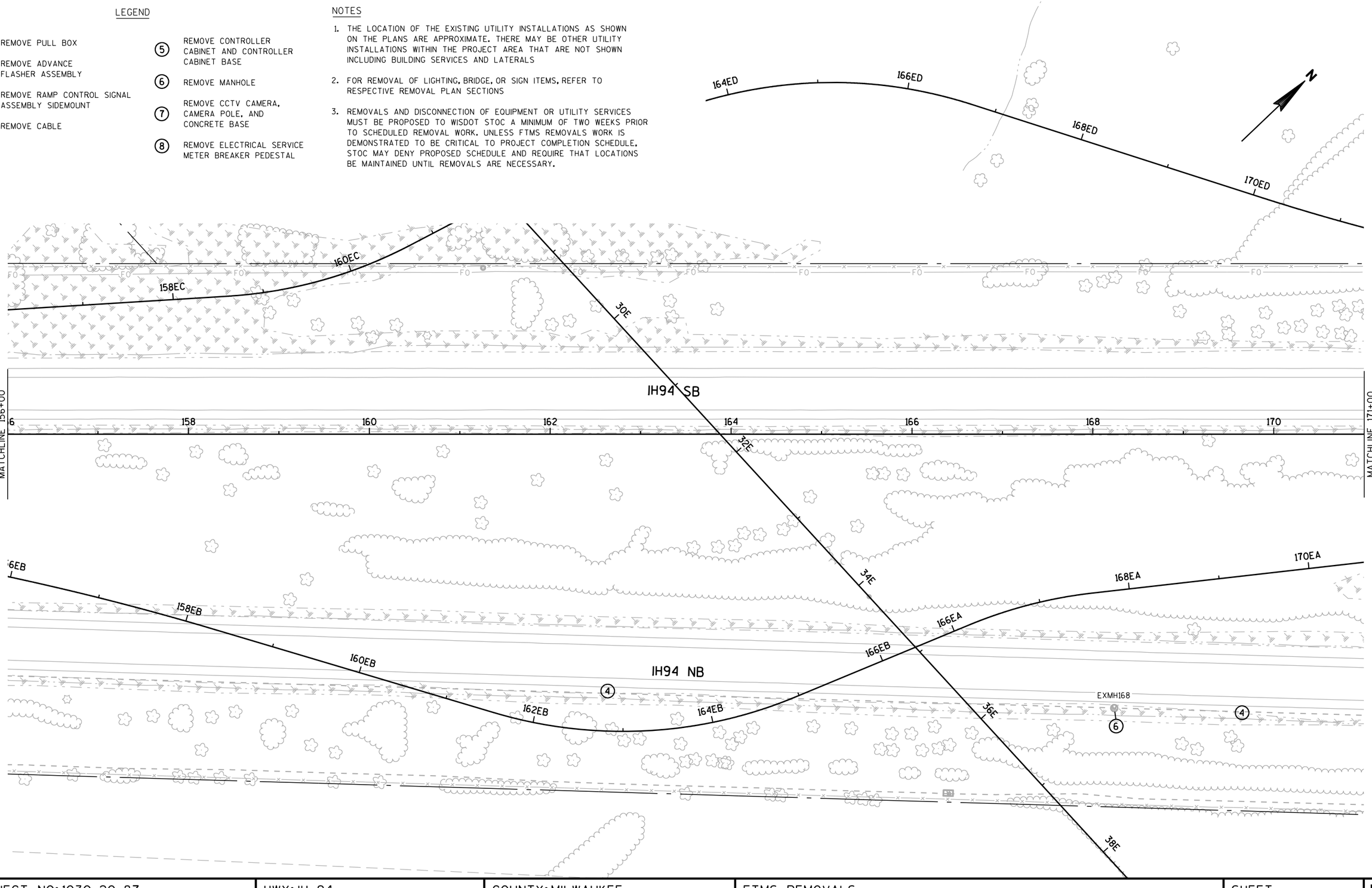
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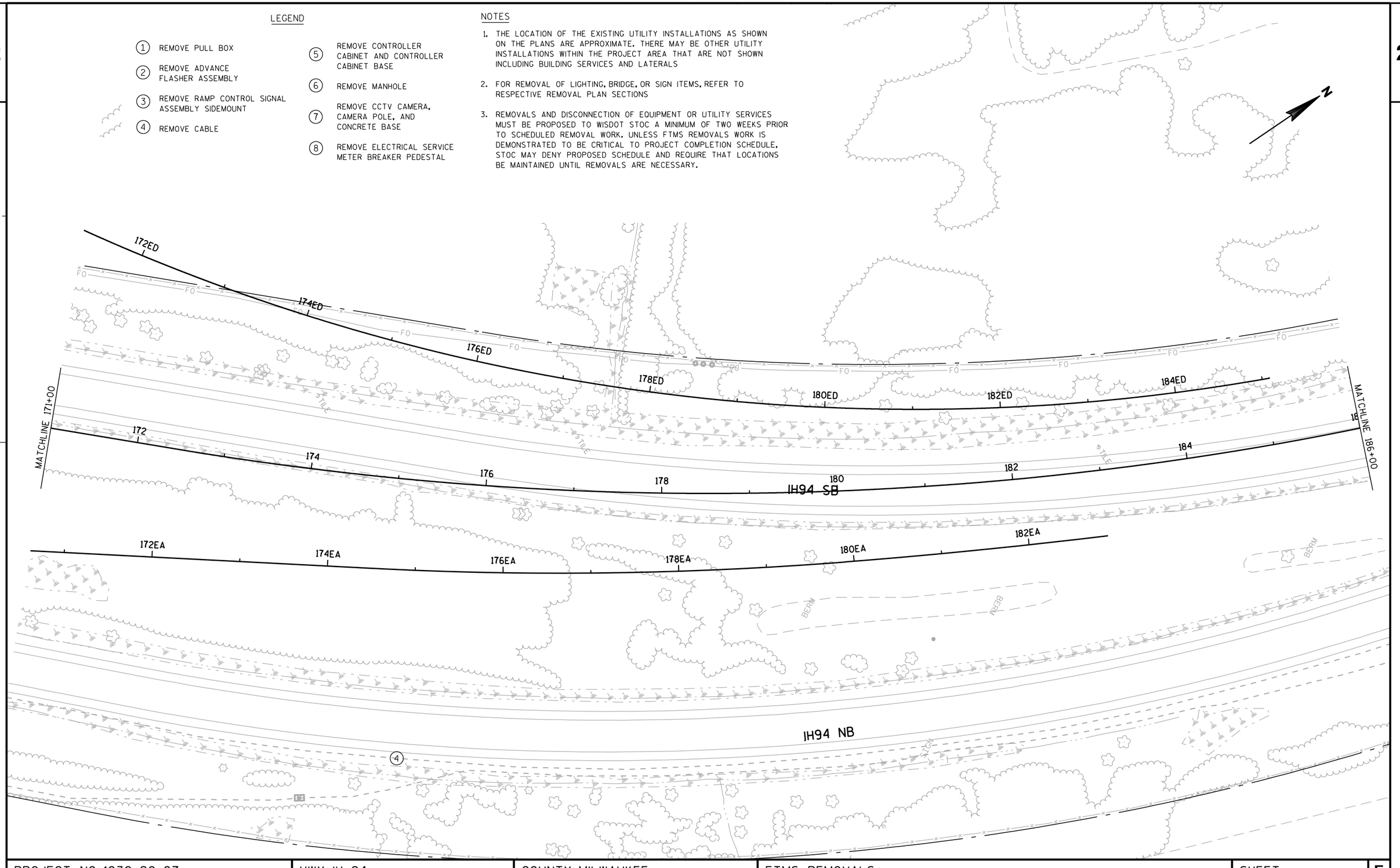
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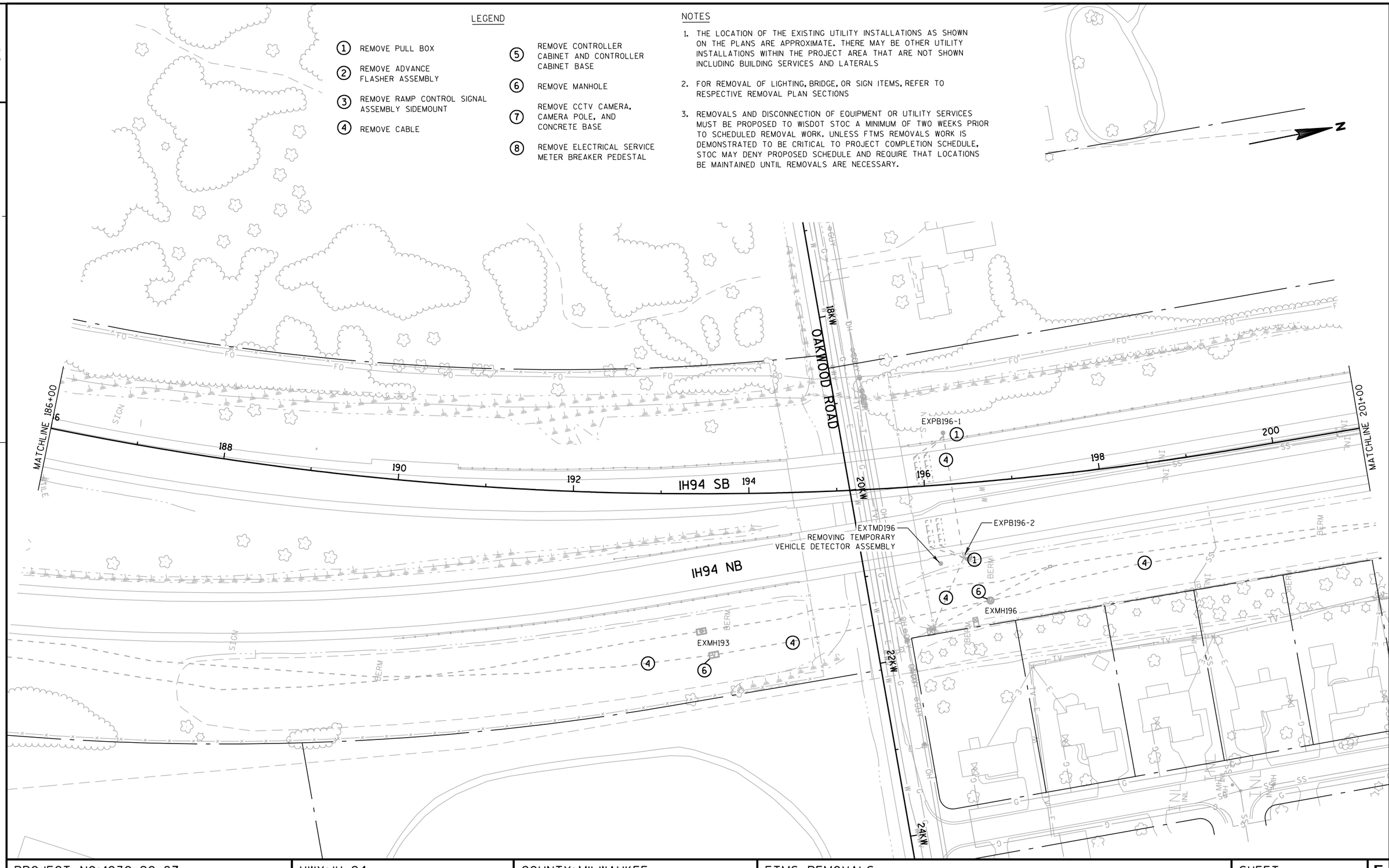
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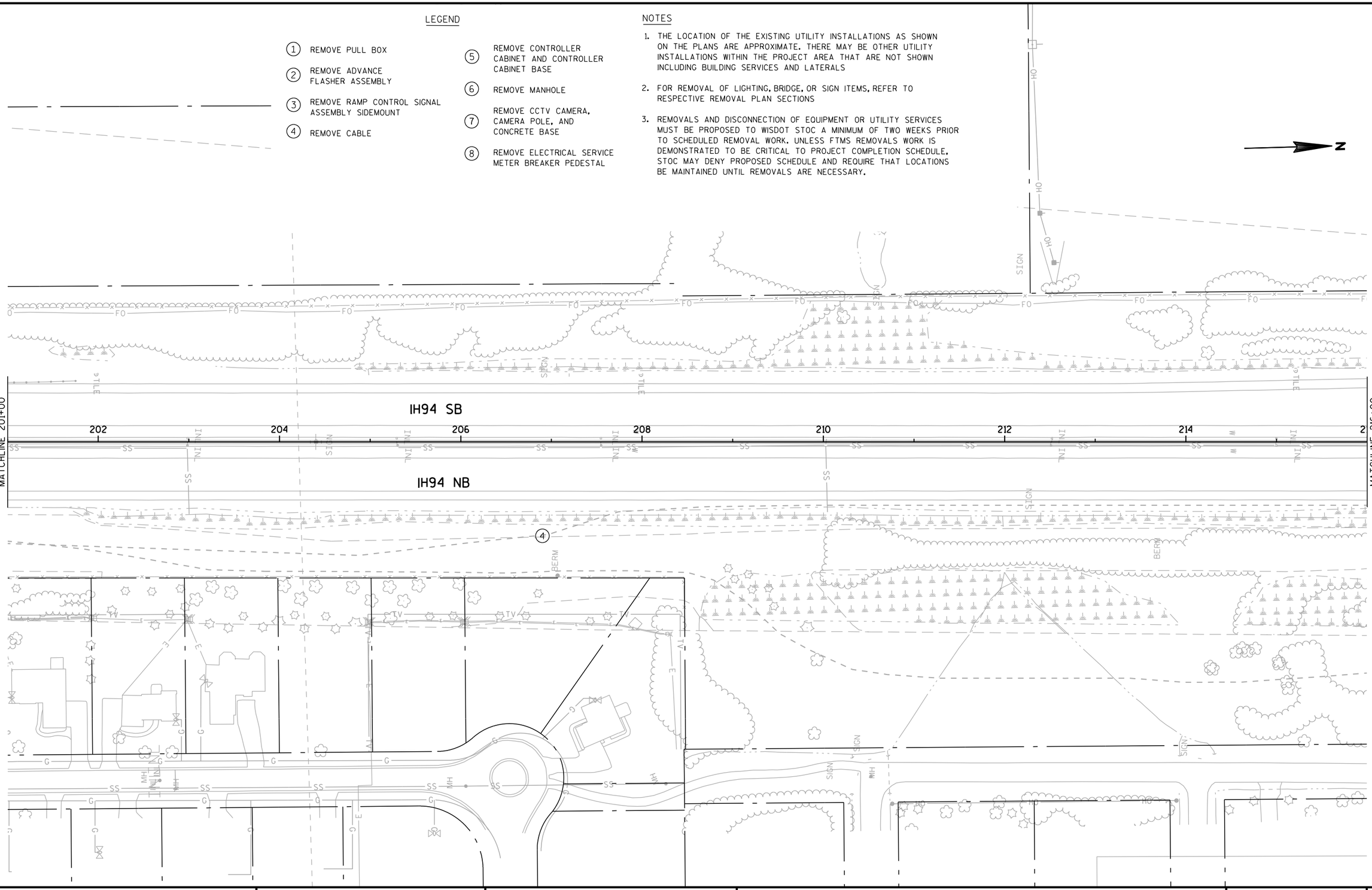
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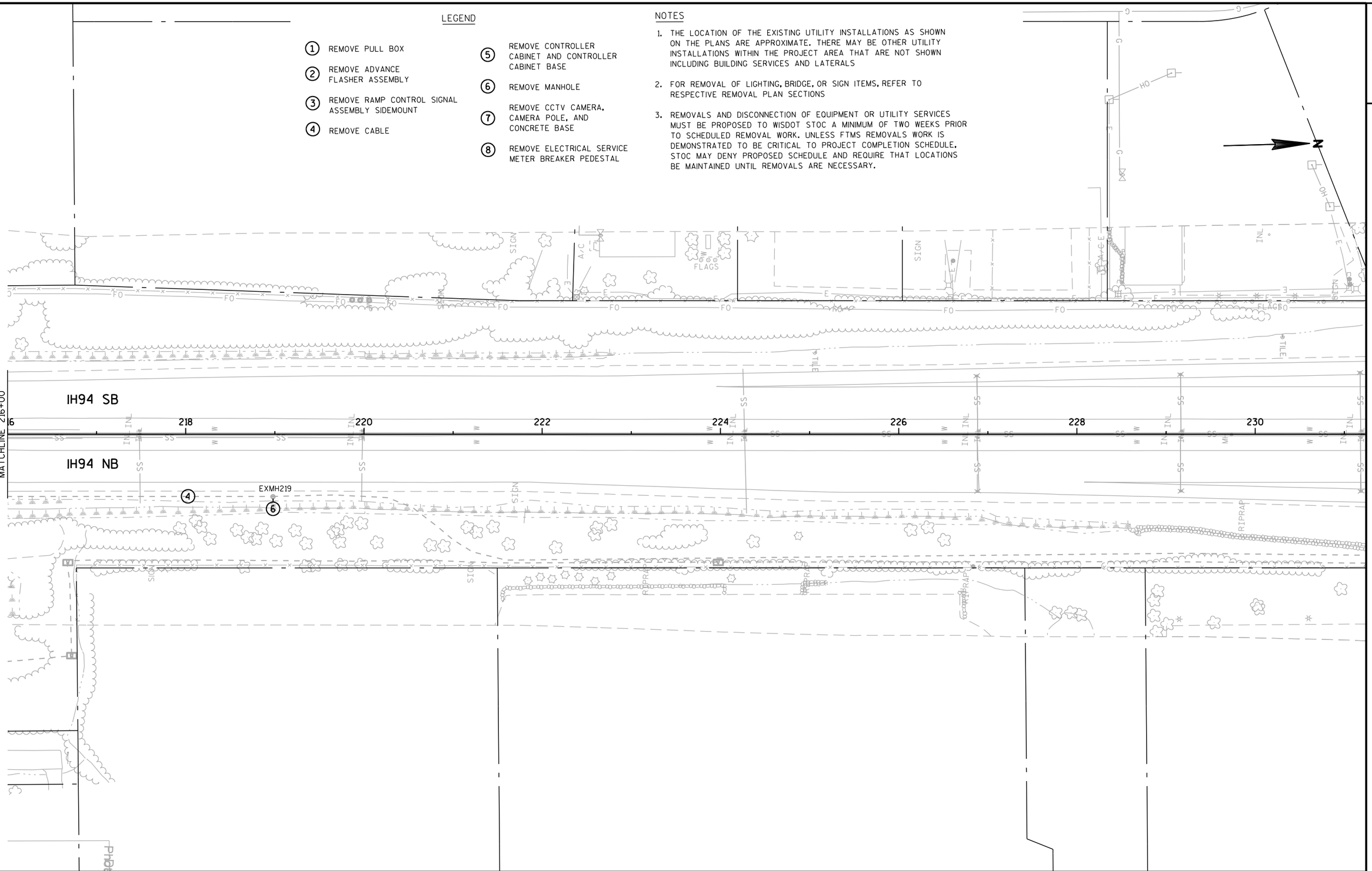
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PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	FTMS REMOVALS	SHEET	E

2

2

7881

786T

784T

ROOT R

IH94 SB

IH94 NB

MATCHLINE 171+00

1288

1290

1292

132

134

136

138

140

CV133

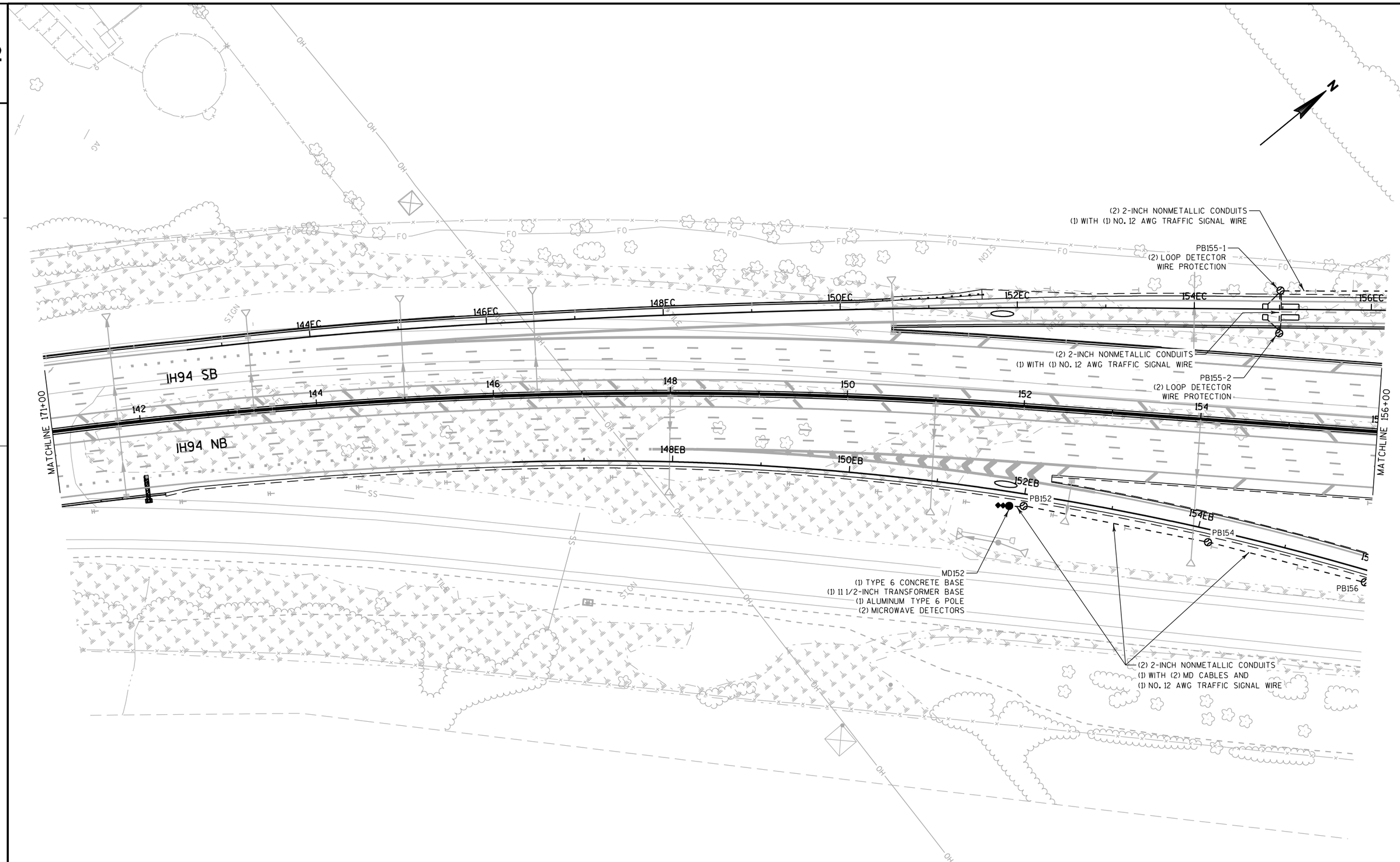
CONDUIT INSTALLED IN PROJECT 1035-01-82

CV137
INTERCEPT EXISTING CONDUITS

(3) 2-INCH CONDUITS
IN BRIDGE PARAPET

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	FTMS PLAN	SHEET	E

2



PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	FTMS PLAN	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\021452_fm.dgn PLOT DATE : 11-JUL-2018 21:43 PLOT BY : MSCD1S PLOT NAME : 021452_fm PLOT SCALE : 100:1

2

(3) 2-INCH HDPE DUCTS
(1) WITH (1) NO. 12 AWG TRAFFIC SIGNAL WIRE

HL-40-ES

26E

(3) 2-INCH HDPE DUCTS
(1) WITH (1) NO. 12 AWG
TRAFFIC SIGNAL WIRE

LPB01

LPB02

(1) 2-INCH NONMETALLIC CONDUIT
(1) WITH (1) NO. 12 AWG
TRAFFIC SIGNAL WIRE

(1) 2-INCH NONMETALLIC CONDUIT
WITH (3) NO. 2 AWG
TRAFFIC SIGNAL WIRES

164ED

166ED

RAMP ED

168ED

170ED

162ED

CV29E

PB163

PB159-1
(1) LOOP DETECTOR
WIRE PROTECTION

PB161-1

(2) 2-INCH NONMETALLIC
CONDUITS
(1) WITH (1) NO. 12 AWG
TRAFFIC SIGNAL WIRE

(2) 2-INCH NONMETALLIC
CONDUITS
(1) WITH (1) NO. 12 AWG
TRAFFIC SIGNAL WIRE

PB157-1
(1) LOOP DETECTOR
WIRE PROTECTION

160EC

158EC

PB159-2

PB161-2
(1) LOOP DETECTOR
WIRE PROTECTION

(2) 2-INCH NONMETALLIC CONDUITS
(1) WITH (1) NO. 12 AWG
TRAFFIC SIGNAL WIRE

(1) 2-INCH NONMETALLIC CONDUIT
WITH (3) NO. 2 AWG
TRAFFIC SIGNAL WIRES

PB164-1

PB157-2
(1) LOOP DETECTOR
WIRE PROTECTION

(2) 2-INCH NONMETALLIC CONDUITS
(1) WITH (1) NO. 12 AWG
TRAFFIC SIGNAL WIRE

(2) 2-INCH NONMETALLIC CONDUITS
(1) WITH (1) NO. 12 AWG
TRAFFIC SIGNAL WIRE

MATCHLINE 156+00

IH94 SB

6

158

160

(3) 2-INCH HDPE DUCTS
(1) WITH (1) NO. 12 AWG TRAFFIC SIGNAL WIRE

164

166

168

170

MATCHLINE 171+00

ELM ROAD

32E

IH94 NB

CCTV-40-0140
(1) 50-FOOT CAMERA POLE BASE
(1) 50-FOOT CAMERA POLE (S-F)
(1) CCTV CAMERA (S-F)
(2) MICROWAVE VEHICLE DETECTORS (S-F)
(1) POLE-MOUNTED CABINET (S-F)
(1) BREAKER DISCONNECT BOX
(1) 12-COUNT TERMINATION PANEL (S-F)
(6) F.O. TERMINATIONS
(1) ETHERNET SWITCH (S-F)
(1) TERMINAL SERVER (S-F)

PB168-1
(1) LOOP DETECTOR
WIRE PROTECTION

PB165

(1) 2-INCH NONMETALLIC CONDUIT
WITH (3) NO. 2 AWG
TRAFFIC SIGNAL WIRES

(2) 2-INCH NONMETALLIC CONDUITS
(1) WITH (1) NO. 12 AWG
TRAFFIC SIGNAL WIRE

PB166-2
(1) LOOP DETECTOR
WIRE PROTECTION

PB34E

168EA

170EA

RAMP EA

34E

CV35E

166E

(2) 2-INCH NONMETALLIC CONDUITS
(1) WITH (4) MD CABLES AND
(1) NO. 12 AWG TRAFFIC SIGNAL WIRE
(1) WITH (1) 6-COUNT FOC

6EB

158EB

PB158

PB160-1

160EB

PB160-2

(2) 2-INCH NONMETALLIC CONDUITS
(1) WITH (2) MD CABLES AND
(1) NO. 12 AWG TRAFFIC SIGNAL WIRE

PB162

162EB

RAMP EB

164EB

PB164-2

166EB

PB166-1
(1) LOOP DETECTOR
WIRE PROTECTION

PB168-2
(1) LOOP DETECTOR
WIRE PROTECTION

(3) 2-INCH NONMETALLIC CONDUITS
(1) WITH (2) MD CABLES AND
(1) NO. 12 AWG TRAFFIC SIGNAL WIRE

36E

(2) 2-INCH NONMETALLIC CONDUITS
(1) WITH (2) MD CABLES AND
(1) NO. 12 AWG TRAFFIC SIGNAL WIRE

(2) 2-INCH NONMETALLIC CONDUITS
(1) WITH (2) MD CABLES AND
(1) NO. 12 AWG TRAFFIC SIGNAL WIRE

(3) 2-INCH HDPE DUCTS
(1) WITH (1) 6-COUNT FOC
AND (1) NO. 12 AWG
TRAFFIC SIGNAL WIRE

EXCV167
(4) F.O. SPLICES IN NEW
FOC SPLICE ENCLOSURE (S-F)

36E

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	FTMS PLAN	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\021453_fm.dgn PLOT DATE : 11-JUL-2018 21:43 PLOT BY : MSCD1S PLOT NAME : 021453_fm PLOT SCALE : 100:1

2

2

N

172ED
174ED
176ED
178ED
180ED
182ED
184ED

MATCHLINE 171+00

MATCHLINE 186+00

IH94 SB

IH94 NB

172
174
176
178
180
182
184

172EA
174EA
176EA
178EA
180EA
182EA

PB170-1
(2) LOOP DETECTOR
WIRE PROTECTION

(2) 2-INCH NONMETALLIC CONDUITS
(1) WITH (1) NO. 12 AWG
TRAFFIC SIGNAL WIRE

PB170-2
(2) LOOP DETECTOR
WIRE PROTECTION

PB173

PB176

PB177

MD177
(1) TYPE 6 CONCRETE BASE
(1) 11 1/2-INCH TRANSFORMER BASE
(1) ALUMINUM TYPE 6 POLE
(2) MICROWAVE DETECTORS

(2) 2-INCH NONMETALLIC CONDUITS
(1) WITH (2) MD CABLES AND
(1) NO. 12 AWG TRAFFIC SIGNAL WIRE

(2) 2-INCH NONMETALLIC CONDUITS
(1) WITH (2) MD CABLES AND
(1) NO. 12 AWG TRAFFIC SIGNAL WIRE

FO
TILE
BERM
GE

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	FTMS PLAN	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\021454_fm.dgn PLOT DATE : 11-JUL-2018 21:43 PLOT BY : MSCD1S PLOT NAME : 021454_fm PLOT SCALE : 100:1

2

2

N

OAKWOOD ROAD

IH94 SB

IH94 NB

MATCHLINE 186+00

MATCHLINE 201+00

186

188

190

192

194

196

198

200

15KW

18KW

20KW

22KW

24KW

CCTV-40-0143 AND MD196
(1) 50-FOOT CAMERA POLE BASE
(1) 50-FOOT CAMERA POLE (S-F)
(1) CCTV CAMERA (S-F)
(2) MICROWAVE VEHICLE DETECTORS (S-F)
(1) POLE-MOUNTED CABINET (S-F)
(1) BREAKER DISCONNECT BOX
(1) 12-COUNT TERMINATION PANEL (S-F)
(6) F.O. TERMINATIONS
(1) ETHERNET SWITCH (S-F)
(1) TERMINAL SERVER (S-F)

(2) 2-INCH NONMETALLIC CONDUITS
(1) WITH (1) 6-COUNT FOC (S-F)
AND (1) NO. 12 AWG TRAFFIC SIGNAL WIRE

PB196

PB197

EXCV196
(1) INSTALL CONDUIT INTO EXISTING ITEM
(4) F.O. SPLICES IN NEW
FOC SPLICE ENCLOSURE (S-F)
ON EXISTING 72-COUNT FOC

(2) 2-INCH NONMETALLIC CONDUITS
(1) WITH (3) NO.6 AWG
TRAFFIC SIGNAL WIRES

EXMB196

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	FTMS PLAN	SHEET	E

2

2

N

814T

812T

R/L T

CV11E

(3) 2-INCH HDPE DUCTS
(1) WITH (1) NO. 12 AWG TRAFFIC SIGNAL WIRE

CV12E

(3) 2-INCH HDPE DUCTS
(1) WITH (1) NO. 12 AWG TRAFFIC SIGNAL WIRE

CV17E

(3) 2-INCH HDPE DUCTS
(1) WITH (1) NO. 12 AWG TRAFFIC SIGNAL WIRE

(3) 2-INCH HDPE DUCTS
(1) WITH (1) NO. 12 AWG TRAFFIC SIGNAL WIRE

CV22E

8E 10E 12E 14E 16E 18E 20E 22E

ELM ROAD

810T

808T

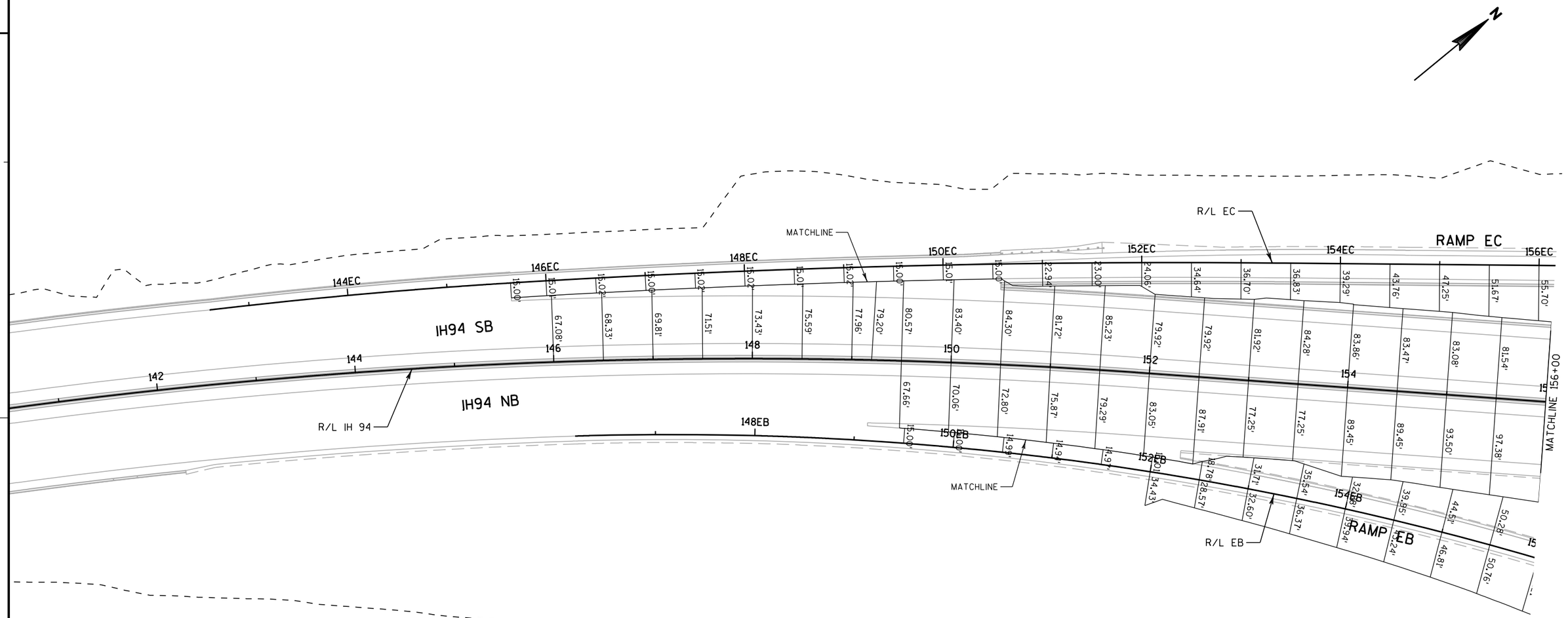
806T

STH 241

S. 27TH STREET

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	FTMS PLAN	SHEET	E

2



PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTION MATCHLINES	SHEET	E

2

RAMP ED

164ED

166ED

168ED

170ED

R/L ED

MATCHLINE

RAMP EC

158EC

160EC

R/L EC

MATCHLINE

MATCHLINE

MATCHLINE

25E

28E

30E

32E

34E

36E

38E

IH94 SB

IH94 NB

R/L IH 94

MATCHLINE 155+00

MATCHLINE 171+00

156

158

160

162

164

166

168

170

RAMP EB

158EB

160EB

162EB

164EB

166EB

R/L EB

MATCHLINE

RAMP EA

168EA

170EA

166EA

R/L EA

MATCHLINE

ELM ROAD

R/L E

MATCHLINE

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTION MATCHLINES	SHEET E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\021703_xm.dgn PLOT DATE : 11-JUL-2018 21:44 PLOT BY : MSCD1S PLOT NAME : 021703_xm PLOT SCALE : 100:1

2

N

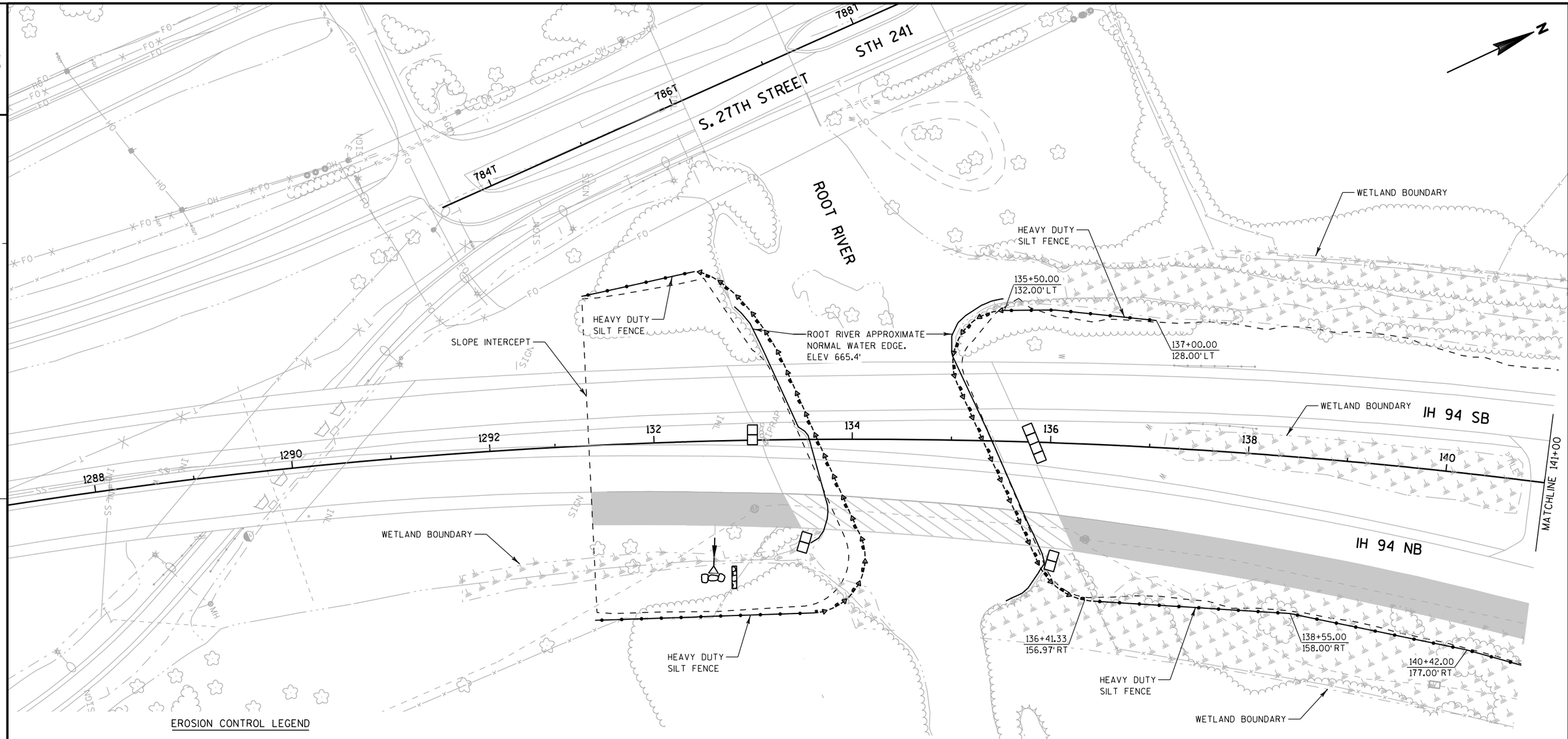
172ED
174ED
176ED
178ED
180ED
182ED
184ED
RAMP ED
R/L ED
MATCHLINE
88.88'
97.76'
92.36'
89.48'
79.27'
71.70'
67.57'
60.58'
54.12'
48.33'
43.07'
37.86'
33.02'
29.15'
25.68'
22.62'
14.96'
14.91'
14.88'
14.93'
14.90'
14.54'
15.00'

MATCHLINE 171+00
121.02'
115.49'
106.95'
102.57'
103.19'
101.73'
97.46'
96.17'
94.85'
93.37'
91.76'
89.79'
89.10'
87.19'
85.28'
83.37'
81.46'
83.90'
79.87'
76.22'
72.93'
71.25'
67.49'
172
174
176
178
180
182
184
186
IH94 SB
IH94 NB
R/L IH 94
83.37'
83.48'
83.49'
83.22'
83.13'
83.04'
81.15'
80.56'
80.98'
83.75'
83.96'
81.53'
79.16'
76.85'
74.60'
72.41'
70.29'
68.22'
81.25'
54.00'
48.22'
42.88'
37.42'
32.65'
25.29'
24.39'
22.13'
15.07'
15.00'
15.03'
15.01'
15.03'
15.01'
15.03'
15.00'
15.03'
172EA
174EA
176EA
178EA
180EA
182EA
RAMP EA
R/L EA
MATCHLINE

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTION MATCHLINES	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\021704_xm.dgn PLOT DATE : 11-JUL-2018 21:44 PLOT BY : MSCD1S PLOT NAME : 021704_xm PLOT SCALE : 100:1

2



EROSION CONTROL LEGEND

EROSION MAT CLASS I, TYPE B	INLET PROTECTION TYPE A
EROSION MAT URBAN CLASS I, TYPE B	INLET PROTECTION TYPE B
TURBIDITY BARRIER	INLET PROTECTION TYPE C
SILT FENCE	INLET PROTECTION TYPE D
EROSION BALES	TEMPORARY DITCH CHECK
SURFACE WATER FLOW	TEMPORARY STONE DITCH CHECK
SLOPE INTERCEPT	CULVERT PIPE CHECKS
MEDIUM RIP RAP	SOIL STABILIZER TYPE B
ROCK BAGS	

NOTES

1) WHEN INLET PROTECTION TYPE A AND TYPE B, C OR D ARE INDICATED AT THE SAME LOCATION. INSTALL TYPE A INLET PROTECTION AFTER INLET IS INSTALLED, THEN:
   - INSTALL TYPE B OR D INLET AFTER FINAL GRADING IS COMPLETED OR ADJACENT PAVEMENT SURFACE IS PLACED.
   - INSTALL TYPE C INLET PROTECTION AFTER ADJACENT PAVEMENT SURFACE IS PLACED.

2) EROSION CONTROL DEVICES USED IN PREVIOUS CONSTRUCTION STAGES THAT REMAIN IN USE ARE NOT SHOWN.

3) IN WETLAND AREAS, INSTALL HEAVY DUTY OR STANDARD SILT FENCE TO THE STATION AND OFFSETS INDICATED.

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	EROSION CONTROL - STAGE 1	SHEET	E

2

WETLAND BOUNDARY

SLOPE INTERCEPT

WETLAND BOUNDARY

WETLAND BOUNDARY

144EC 146EC 148EC 150EC 152EC 154EC RAMP EC 156EC

142 144 146 148 150 152 154

IH 94 SB

IH 94 NB

MATCHLINE 141+00

MATCHLINE 156+00

148EB 150EB 152EB 154EB RAMP EB

141+20.00
188.50' RT

141+70.00
206.00' RT

143+25.00
227.00' RT

145+50.00
261.00' RT

147+00.00
290.00' RT

149+15.00
306.00' RT

152+00.00
310.00' RT

HEAVY DUTY SILT FENCE

OH SS FO STONE FILTER NOTES

EROSION CONTROL LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT URBAN CLASS I, TYPE B
- TURBIDITY BARRIER
- SILT FENCE
- EROSION BALES
- SURFACE WATER FLOW
- SLOPE INTERCEPT
- MEDIUM RIP RAP
- ROCK BAGS (R)
- INLET PROTECTION TYPE A (A)
- INLET PROTECTION TYPE B (B)
- INLET PROTECTION TYPE C (C)
- INLET PROTECTION TYPE D (D)
- TEMPORARY DITCH CHECK
- TEMPORARY STONE DITCH CHECK
- CULVERT PIPE CHECKS
- SOIL STABILIZER TYPE B

NOTES

1) WHEN INLET PROTECTION TYPE A AND TYPE B, C OR D ARE INDICATED AT THE SAME LOCATION. INSTALL TYPE A INLET PROTECTION AFTER INLET IS INSTALLED, THEN:
   - INSTALL TYPE B OR D INLET AFTER FINAL GRADING IS COMPLETED OR ADJACENT PAVEMENT SURFACE IS PLACED.
   - INSTALL TYPE C INLET PROTECTION AFTER ADJACENT PAVEMENT SURFACE IS PLACED.

2) EROSION CONTROL DEVICES USED IN PREVIOUS CONSTRUCTION STAGES THAT REMAIN IN USE ARE NOT SHOWN.

3) IN WETLAND AREAS, INSTALL HEAVY DUTY OR STANDARD SILT FENCE TO THE STATION AND OFFSETS INDICATED.

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	EROSION CONTROL - STAGE 1	SHEET	E

EROSION CONTROL LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT URBAN CLASS I, TYPE B
- TURBIDITY BARRIER
- SILT FENCE
- EROSION BALES
- SURFACE WATER FLOW
- SLOPE INTERCEPT
- MEDIUM RIP RAP
- ROCK BAGS
- INLET PROTECTION TYPE A
- INLET PROTECTION TYPE B
- INLET PROTECTION TYPE C
- INLET PROTECTION TYPE D
- TEMPORARY DITCH CHECK
- TEMPORARY STONE DITCH CHECK
- CULVERT PIPE CHECKS
- SOIL STABILIZER TYPE B

NOTES

1) WHEN INLET PROTECTION TYPE A AND TYPE B, C OR D ARE INDICATED AT THE SAME LOCATION. INSTALL TYPE A INLET PROTECTION AFTER INLET IS INSTALLED, THEN:
   - INSTALL TYPE B OR D INLET AFTER FINAL GRADING IS COMPLETED OR ADJACENT PAVEMENT SURFACE IS PLACED.
   - INSTALL TYPE C INLET PROTECTION AFTER ADJACENT PAVEMENT SURFACE IS PLACED.
2) EROSION CONTROL DEVICES USED IN PREVIOUS CONSTRUCTION STAGES THAT REMAIN IN USE ARE NOT SHOWN.
3) IN WETLAND AREAS, INSTALL HEAVY DUTY OR STANDARD SILT FENCE TO THE STATION AND OFFSETS INDICATED.

N

SLOPE INTERCEPT

26E

28E

162ED

RAMP ED

160EC

158EC

WETLAND BOUNDARY

30E

IH 94 SB

IH 94 NB

MATCHLINE 156+00

156 158 160 162 164 166 168 170

MATCHLINE 171+00

WETLAND BOUNDARY

32E

ELM ROAD

34E

RAMP EA

168EA

170EA

166EA

WETLAND BOUNDARY

158EB

160EB

162EB

RAMP EB

164EB

166EB

36E

38E

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	EROSION CONTROL - STAGE 1	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\022003_ec.dgn PLOT DATE : 11-JUL-2018 21:45 PLOT BY : MSCD1S PLOT NAME : 022003_ec PLOT SCALE : 100:1

EROSION CONTROL LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT URBAN CLASS I, TYPE B
- TURBIDITY BARRIER
- SILT FENCE
- EROSION BALES
- SURFACE WATER FLOW
- SLOPE INTERCEPT
- MEDIUM RIP RAP
- ROCK BAGS
- INLET PROTECTION TYPE A
- INLET PROTECTION TYPE B
- INLET PROTECTION TYPE C
- INLET PROTECTION TYPE D
- TEMPORARY DITCH CHECK
- TEMPORARY STONE DITCH CHECK
- CULVERT PIPE CHECKS
- SOIL STABILIZER TYPE B

N

NOTES

1) WHEN INLET PROTECTION TYPE A AND TYPE B, C OR D ARE INDICATED AT THE SAME LOCATION. INSTALL TYPE A INLET PROTECTION AFTER INLET IS INSTALLED, THEN:
   - INSTALL TYPE B OR D INLET AFTER FINAL GRADING IS COMPLETED OR ADJACENT PAVEMENT SURFACE IS PLACED.
   - INSTALL TYPE C INLET PROTECTION AFTER ADJACENT PAVEMENT SURFACE IS PLACED.

2) EROSION CONTROL DEVICES USED IN PREVIOUS CONSTRUCTION STAGES THAT REMAIN IN USE ARE NOT SHOWN.

3) IN WETLAND AREAS, INSTALL HEAVY DUTY OR STANDARD SILT FENCE TO THE STATION AND OFFSETS INDICATED.

SLOPE INTERCEPT

WETLAND BOUNDARY

172ED 174ED 176ED 178ED RAMP ED 180ED 182ED 184ED

MATCHLINE 171+00

172 174 176 178 180 IH 94 SB 182 184

MATCHLINE 186+00

WETLAND BOUNDARY

172EA 174EA 176EA 178EA RAMP EA 180EA 182EA IH 94 NB

WETLAND BOUNDARY

BERM BERM BERM

WETLAND BOUNDARY

173+68.00
389.00' RT

174+64.00
388.00' RT

183+35.00
325.00' RT

184+55.00
320.00' RT

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	EROSION CONTROL - STAGE 1	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\022004_ec.dgn PLOT DATE : 11-JUL-2018 21:45 PLOT BY : MSCD1S PLOT NAME : 022004_ec PLOT SCALE : 100:1

EROSION CONTROL LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT URBAN CLASS I, TYPE B
- TURBIDITY BARRIER
- SILT FENCE
- EROSION BALES
- SURFACE WATER FLOW
- SLOPE INTERCEPT
- MEDIUM RIP RAP
- ROCK BAGS (R)
- INLET PROTECTION TYPE A (A)
- INLET PROTECTION TYPE B (B)
- INLET PROTECTION TYPE C (C)
- INLET PROTECTION TYPE D (D)
- TEMPORARY DITCH CHECK
- TEMPORARY STONE DITCH CHECK
- CULVERT PIPE CHECKS
- SOIL STABILIZER TYPE B

NOTES

1) WHEN INLET PROTECTION TYPE A AND TYPE B, C OR D ARE INDICATED AT THE SAME LOCATION. INSTALL TYPE A INLET PROTECTION AFTER INLET IS INSTALLED, THEN:
   - INSTALL TYPE B OR D INLET AFTER FINAL GRADING IS COMPLETED OR ADJACENT PAVEMENT SURFACE IS PLACED.
   - INSTALL TYPE C INLET PROTECTION AFTER ADJACENT PAVEMENT SURFACE IS PLACED.
2) EROSION CONTROL DEVICES USED IN PREVIOUS CONSTRUCTION STAGES THAT REMAIN IN USE ARE NOT SHOWN.
3) IN WETLAND AREAS, INSTALL HEAVY DUTY OR STANDARD SILT FENCE TO THE STATION AND OFFSETS INDICATED.

N

SLOPE INTERCEPT

WETLAND BOUNDARY

WETLAND BOUNDARY

WETLAND BOUNDARY

WETLAND BOUNDARY

MATCHLINE 186+00

MATCHLINE 201+00

IH 94 SB

IH 94 NB

OAKWOOD ROAD

15KW

18KW

20KW

22KW

24KW

186 188 190 192 194 196 198 200

194+60.00
155.00' RT

194+75.00
183.00' RT

195+10.00
182.00' RT

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	EROSION CONTROL - STAGE 1	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\022005_ec.dgn PLOT DATE : 11-JUL-2018 21:45 PLOT BY : MSCD1S PLOT NAME : 022005_ec PLOT SCALE : 100:1

2

N

SLOPE INTERCEPT

WETLAND BOUNDARY

WETLAND BOUNDARY

IH 94 SB

IH 94 NB

MATCHLINE 201+00

MATCHLINE 216+00

202 204 206 208 210 212 214

WETLAND BOUNDARY

208+50.00
150.00' RT

209+22.00
142.50' RT

210+55.00
143.50' RT

211+33.00
134.50' RT

211+90.00
137.50' RT

214+10.00
140.00' RT

EROSION CONTROL LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT URBAN CLASS I, TYPE B
- TURBIDITY BARRIER
- SILT FENCE
- EROSION BALES
- SURFACE WATER FLOW
- SLOPE INTERCEPT
- MEDIUM RIP RAP
- ROCK BAGS
- INLET PROTECTION TYPE A
- INLET PROTECTION TYPE B
- INLET PROTECTION TYPE C
- INLET PROTECTION TYPE D
- TEMPORARY DITCH CHECK
- TEMPORARY STONE DITCH CHECK
- CULVERT PIPE CHECKS
- SOIL STABILIZER TYPE B

NOTES

1) WHEN INLET PROTECTION TYPE A AND TYPE B, C OR D ARE INDICATED AT THE SAME LOCATION. INSTALL TYPE A INLET PROTECTION AFTER INLET IS INSTALLED, THEN:
   - INSTALL TYPE B OR D INLET AFTER FINAL GRADING IS COMPLETED OR ADJACENT PAVEMENT SURFACE IS PLACED.
   - INSTALL TYPE C INLET PROTECTION AFTER ADJACENT PAVEMENT SURFACE IS PLACED.

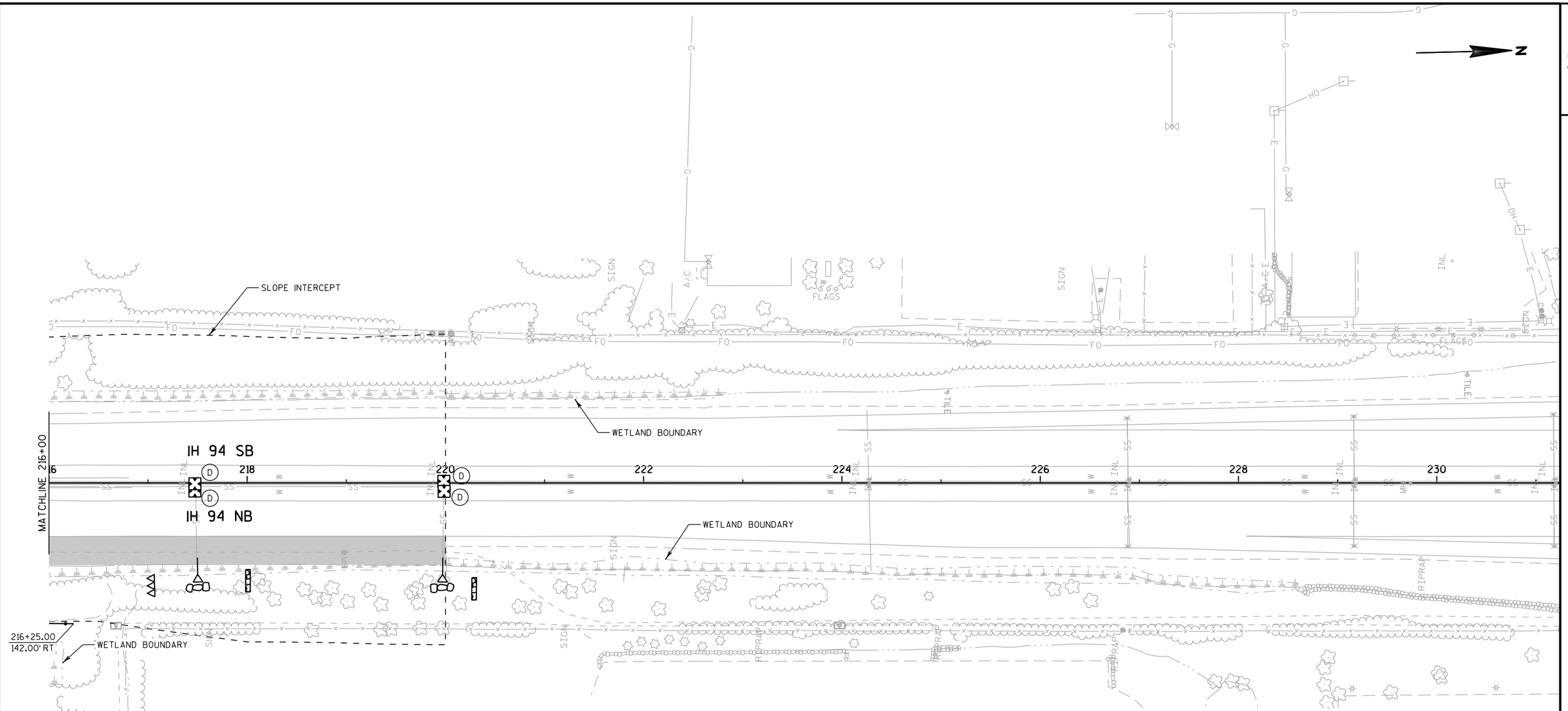
2) EROSION CONTROL DEVICES USED IN PREVIOUS CONSTRUCTION STAGES THAT REMAIN IN USE ARE NOT SHOWN.

3) IN WETLAND AREAS, INSTALL HEAVY DUTY OR STANDARD SILT FENCE TO THE STATION AND OFFSETS INDICATED.

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	EROSION CONTROL - STAGE 1	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\022006_ec.dgn PLOT DATE : 11-JUL-2018 21:45 PLOT BY : MSCD1S PLOT NAME : 022006_ec PLOT SCALE : 100:1

2



EROSION CONTROL LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT URBAN CLASS I, TYPE B
- TURBIDITY BARRIER
- SILT FENCE
- EROSION BALES
- SURFACE WATER FLOW
- SLOPE INTERCEPT
- MEDIUM RIP RAP
- ROCK BAGS (R)
- INLET PROTECTION TYPE A (A)
- INLET PROTECTION TYPE B (B)
- INLET PROTECTION TYPE C (C)
- INLET PROTECTION TYPE D (D)
- TEMPORARY DITCH CHECK
- TEMPORARY STONE DITCH CHECK
- CULVERT PIPE CHECKS
- SOIL STABILIZER TYPE B

NOTES

1) WHEN INLET PROTECTION TYPE A AND TYPE B, C OR D ARE INDICATED AT THE SAME LOCATION. INSTALL TYPE A INLET PROTECTION AFTER INLET IS INSTALLED, THEN:
   - INSTALL TYPE B OR D INLET AFTER FINAL GRADING IS COMPLETED OR ADJACENT PAVEMENT SURFACE IS PLACED.
   - INSTALL TYPE C INLET PROTECTION AFTER ADJACENT PAVEMENT SURFACE IS PLACED.

2) EROSION CONTROL DEVICES USED IN PREVIOUS CONSTRUCTION STAGES THAT REMAIN IN USE ARE NOT SHOWN.

3) IN WETLAND AREAS, INSTALL HEAVY DUTY OR STANDARD SILT FENCE TO THE STATION AND OFFSETS INDICATED.

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	EROSION CONTROL - STAGE 1	SHEET	E

2

S. 27TH STREET

STH 241

798T 800T 802T 804T 806T 808T 810T

MATCHLINE 812T+00

ELM ROAD

SLOPE INTERCEPT

EROSION CONTROL LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT URBAN CLASS I, TYPE B
- TURBIDITY BARRIER
- SILT FENCE
- EROSION BALES
- SURFACE WATER FLOW
- SLOPE INTERCEPT
- MEDIUM RIP RAP
- R ROCK BAGS
- (A) INLET PROTECTION TYPE A
- (B) INLET PROTECTION TYPE B
- (C) INLET PROTECTION TYPE C
- (D) INLET PROTECTION TYPE D
- TEMPORARY DITCH CHECK
- TEMPORARY STONE DITCH CHECK
- CULVERT PIPE CHECKS
- SOIL STABILIZER TYPE B

NOTES

1) WHEN INLET PROTECTION TYPE A AND TYPE B, C OR D ARE INDICATED AT THE SAME LOCATION. INSTALL TYPE A INLET PROTECTION AFTER INLET IS INSTALLED, THEN:
   - INSTALL TYPE B OR D INLET AFTER FINAL GRADING IS COMPLETED OR ADJACENT PAVEMENT SURFACE IS PLACED.
   - INSTALL TYPE C INLET PROTECTION AFTER ADJACENT PAVEMENT SURFACE IS PLACED.

2) EROSION CONTROL DEVICES USED IN PREVIOUS CONSTRUCTION STAGES THAT REMAIN IN USE ARE NOT SHOWN.

3) IN WETLAND AREAS, INSTALL HEAVY DUTY OR STANDARD SILT FENCE TO THE STATION AND OFFSETS INDICATED.

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	EROSION CONTROL - STAGE 1	SHEET	E

2

N

S. 27TH STREET

STH 241

MATCHLINE 812T+00

812T

814T

816T

818T

820T

822T

824T

826T

WETLAND BOUNDARY

WETLAND BOUNDARY

WETLAND BOUNDARY

SLOPE INTERCEPT

RUINS WALL

EROSION CONTROL LEGEND

	EROSION MAT CLASS I, TYPE B	A	INLET PROTECTION TYPE A
	EROSION MAT URBAN CLASS I, TYPE B	B	INLET PROTECTION TYPE B
	TURBIDITY BARRIER	C	INLET PROTECTION TYPE C
	SILT FENCE	D	INLET PROTECTION TYPE D
	EROSION BALES		TEMPORARY DITCH CHECK
	SURFACE WATER FLOW		TEMPORARY STONE DITCH CHECK
	SLOPE INTERCEPT		CULVERT PIPE CHECKS
	MEDIUM RIP RAP		SOIL STABILIZER TYPE B
R	ROCK BAGS		

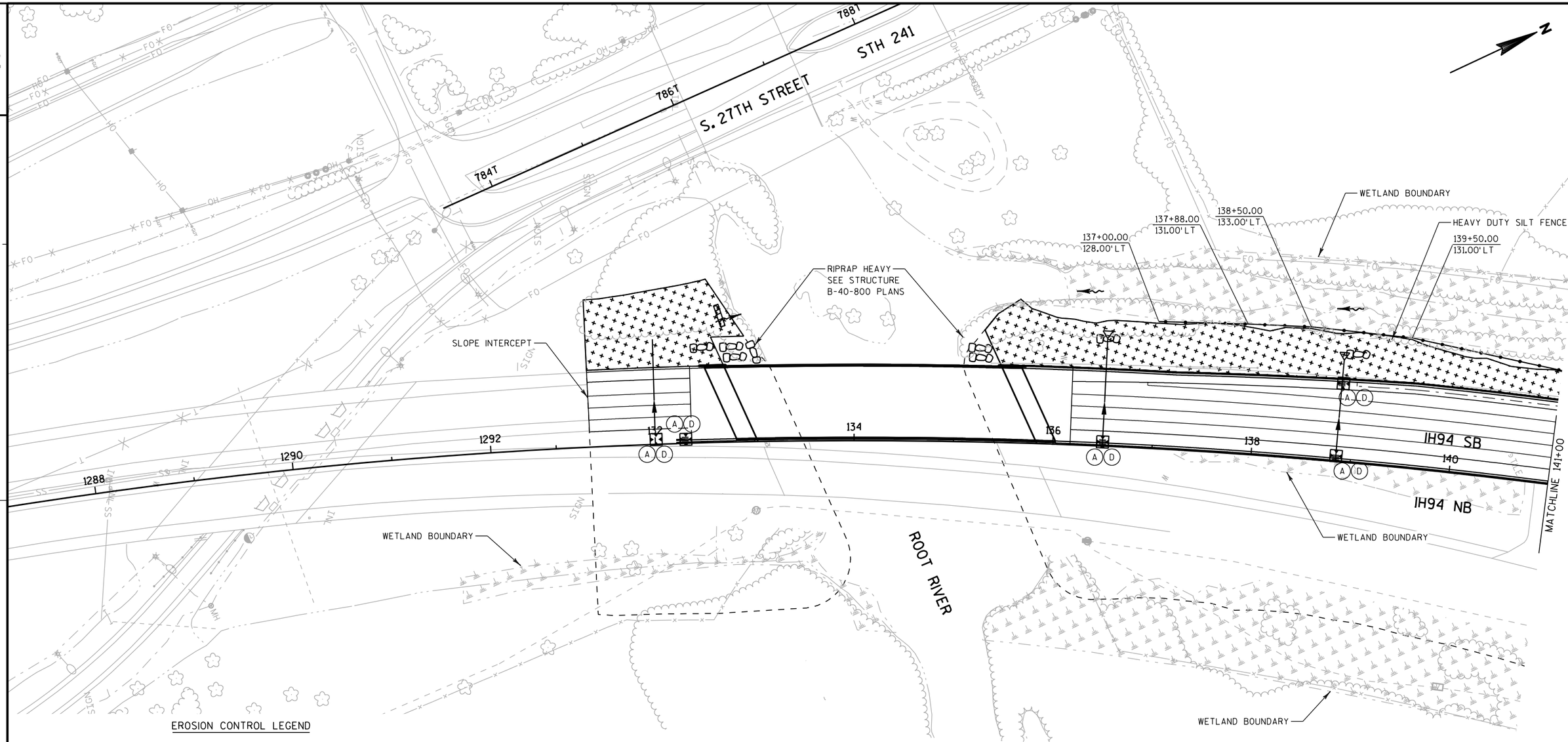
NOTES

1) WHEN INLET PROTECTION TYPE A AND TYPE B, C OR D ARE INDICATED AT THE SAME LOCATION. INSTALL TYPE A INLET PROTECTION AFTER INLET IS INSTALLED, THEN:
   - INSTALL TYPE B OR D INLET AFTER FINAL GRADING IS COMPLETED OR ADJACENT PAVEMENT SURFACE IS PLACED.
   - INSTALL TYPE C INLET PROTECTION AFTER ADJACENT PAVEMENT SURFACE IS PLACED.

2) EROSION CONTROL DEVICES USED IN PREVIOUS CONSTRUCTION STAGES THAT REMAIN IN USE ARE NOT SHOWN.

3) IN WETLAND AREAS, INSTALL HEAVY DUTY OR STANDARD SILT FENCE TO THE STATION AND OFFSETS INDICATED.

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	EROSION CONTROL - STAGE 1	SHEET	E



EROSION CONTROL LEGEND

EROSION MAT CLASS I, TYPE B		(A)	INLET PROTECTION TYPE A
EROSION MAT URBAN CLASS I, TYPE B		(B)	INLET PROTECTION TYPE B
TURBIDITY BARRIER		(C)	INLET PROTECTION TYPE C
SILT FENCE		(D)	INLET PROTECTION TYPE D
EROSION BALES			TEMPORARY DITCH CHECK
SURFACE WATER FLOW			TEMPORARY STONE DITCH CHECK
SLOPE INTERCEPT			CULVERT PIPE CHECKS
MEDIUM RIP RAP			SOIL STABILIZER TYPE B
ROCK BAGS			

NOTES

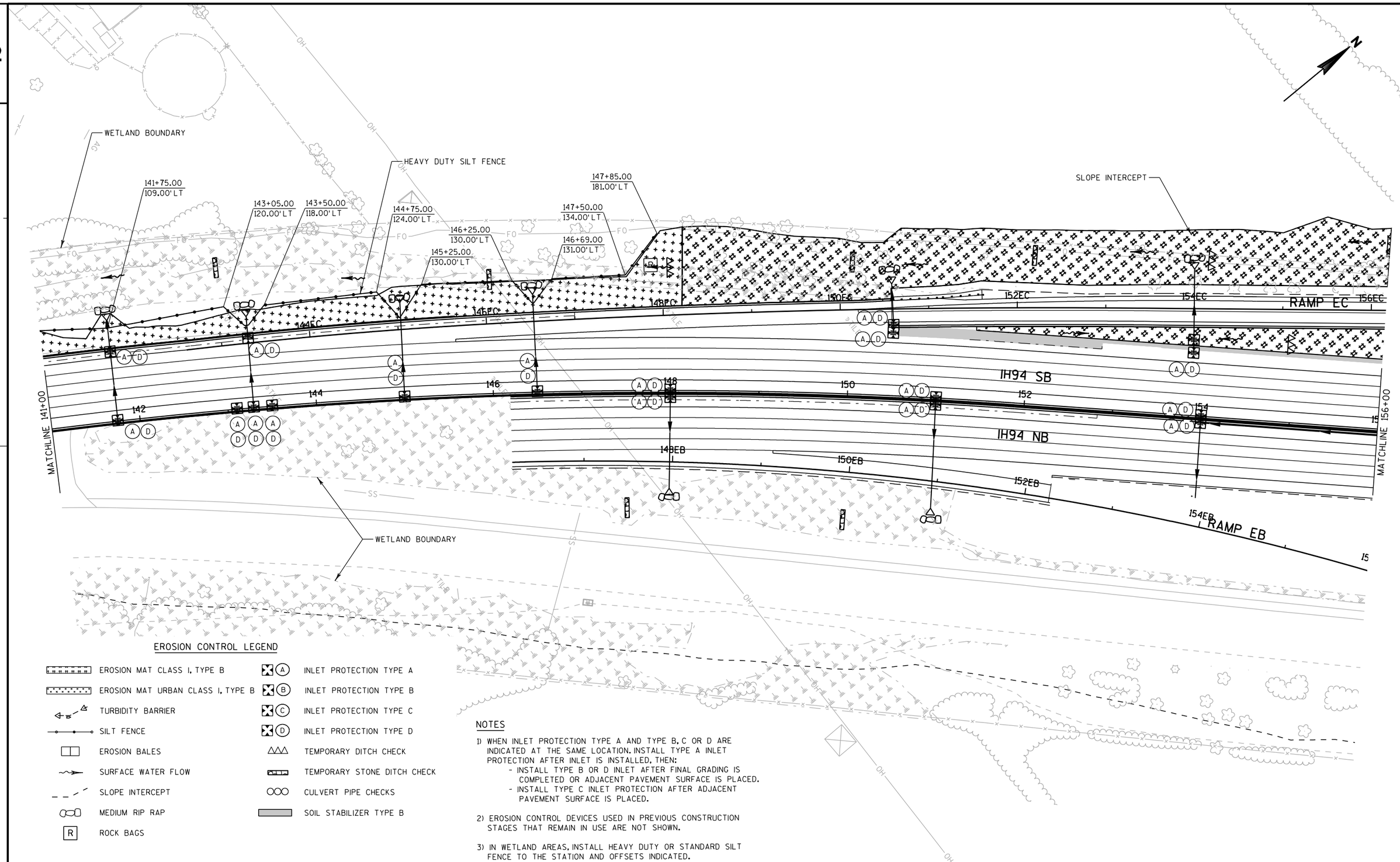
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   - INSTALL TYPE B OR D INLET AFTER FINAL GRADING IS COMPLETED OR ADJACENT PAVEMENT SURFACE IS PLACED.
   - INSTALL TYPE C INLET PROTECTION AFTER ADJACENT PAVEMENT SURFACE IS PLACED.

2) EROSION CONTROL DEVICES USED IN PREVIOUS CONSTRUCTION STAGES THAT REMAIN IN USE ARE NOT SHOWN.

3) IN WETLAND AREAS, INSTALL HEAVY DUTY OR STANDARD SILT FENCE TO THE STATION AND OFFSETS INDICATED.

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	EROSION CONTROL - STAGE 2	SHEET	E

2



EROSION CONTROL LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT URBAN CLASS I, TYPE B
- TURBIDITY BARRIER
- SILT FENCE
- EROSION BALES
- SURFACE WATER FLOW
- SLOPE INTERCEPT
- MEDIUM RIP RAP
- ROCK BAGS
- (A) INLET PROTECTION TYPE A
- (B) INLET PROTECTION TYPE B
- (C) INLET PROTECTION TYPE C
- (D) INLET PROTECTION TYPE D
- TEMPORARY DITCH CHECK
- TEMPORARY STONE DITCH CHECK
- CULVERT PIPE CHECKS
- SOIL STABILIZER TYPE B

NOTES

1) WHEN INLET PROTECTION TYPE A AND TYPE B, C OR D ARE INDICATED AT THE SAME LOCATION. INSTALL TYPE A INLET PROTECTION AFTER INLET IS INSTALLED, THEN:
   - INSTALL TYPE B OR D INLET AFTER FINAL GRADING IS COMPLETED OR ADJACENT PAVEMENT SURFACE IS PLACED.
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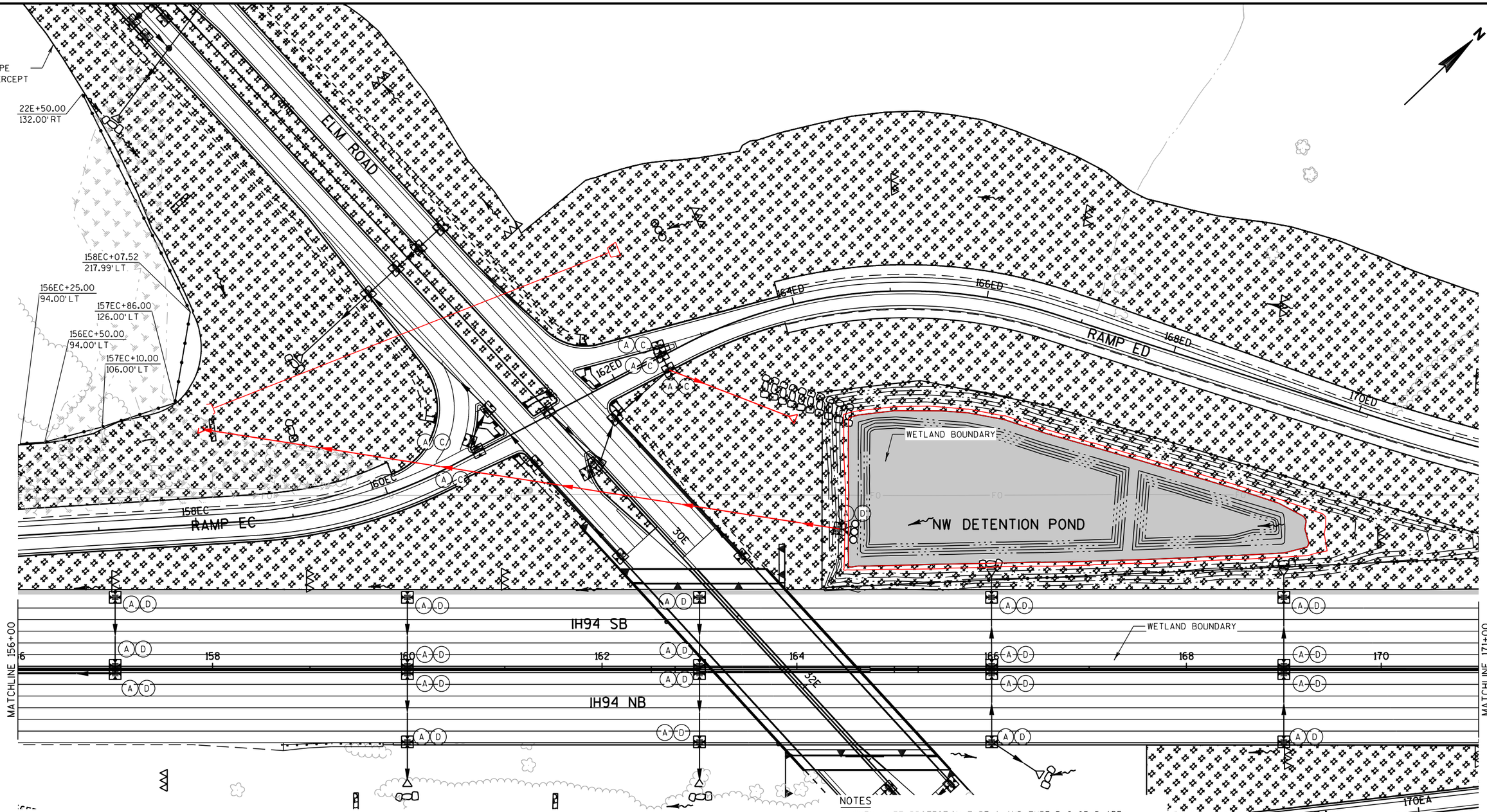
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3) IN WETLAND AREAS, INSTALL HEAVY DUTY OR STANDARD SILT FENCE TO THE STATION AND OFFSETS INDICATED.

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	EROSION CONTROL - STAGE 2	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\022022_ec.dgn PLOT DATE : 11-JUL-2018 21:45 PLOT BY : MSCD1S PLOT NAME : 022022_ec PLOT SCALE : 100:1

2



EROSION CONTROL LEGEND

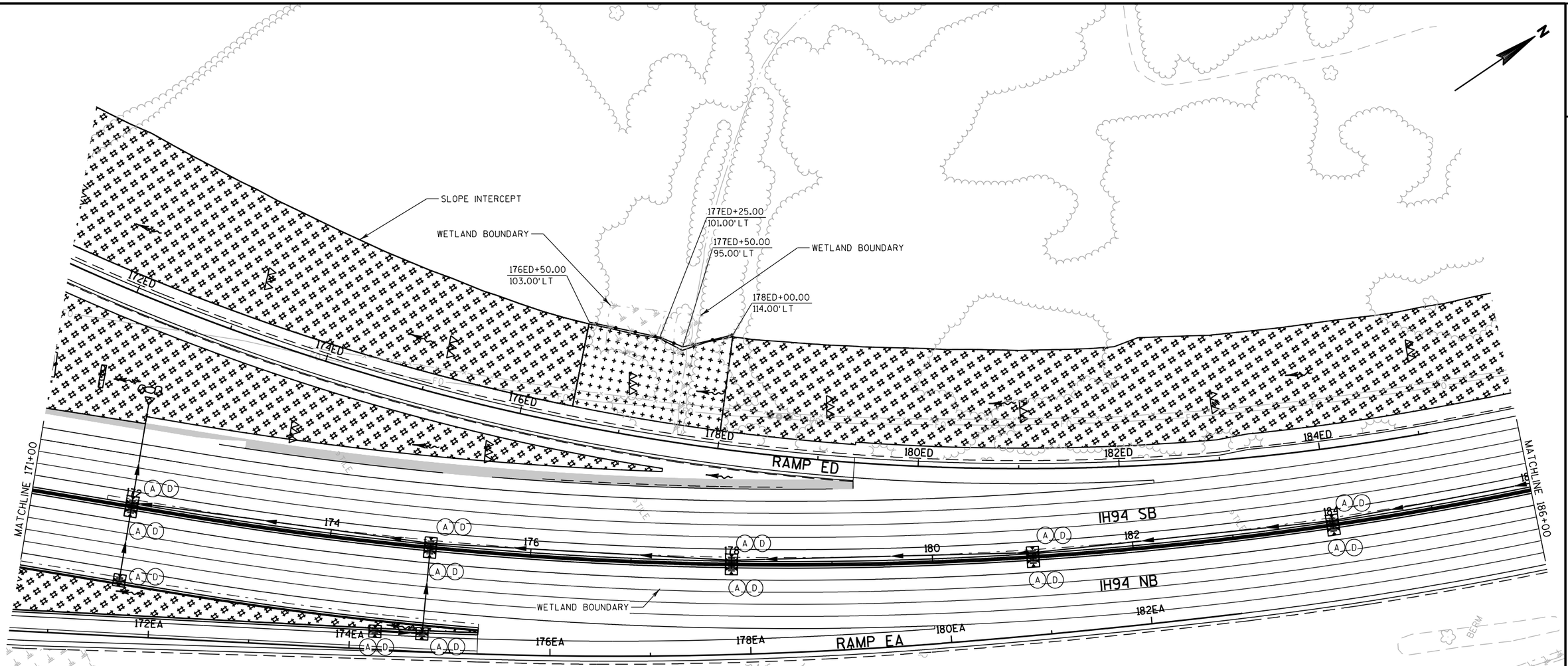
- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS II, TYPE B
- TURBIDITY BARRIER
- SILT FENCE
- EROSION BALES
- SURFACE WATER FLOW
- SLOPE INTERCEPT
- MEDIUM RIP RAP
- R ROCK BAGS
- A INLET PROTECTION TYPE A
- B INLET PROTECTION TYPE B
- C INLET PROTECTION TYPE C
- D INLET PROTECTION TYPE D
- TEMPORARY DITCH CHECK
- TEMPORARY STONE DITCH CHECK
- CULVERT PIPE CHECKS
- SOIL STABILIZER TYPE B

NOTES

1) WHEN INLET PROTECTION TYPE A AND TYPE B, C OR D ARE INDICATED AT THE SAME LOCATION. INSTALL TYPE A INLET PROTECTION AFTER INLET IS INSTALLED, THEN:
   - INSTALL TYPE B OR D INLET AFTER FINAL GRADING IS COMPLETED OR ADJACENT PAVEMENT SURFACE IS PLACED.
   - INSTALL TYPE C INLET PROTECTION AFTER ADJACENT PAVEMENT SURFACE IS PLACED.
2) EROSION CONTROL DEVICES USED IN PREVIOUS CONSTRUCTION STAGES THAT REMAIN IN USE ARE NOT SHOWN.
3) IN WETLAND AREAS, INSTALL HEAVY DUTY OR STANDARD SILT FENCE TO THE STATION AND OFFSETS INDICATED.

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	EROSION CONTROL - STAGE 2	SHEET	E

2



EROSION CONTROL LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT URBAN CLASS I, TYPE B
- TURBIDITY BARRIER
- SILT FENCE
- EROSION BALES
- SURFACE WATER FLOW
- SLOPE INTERCEPT
- MEDIUM RIP RAP
- ROCK BAGS
- (A) INLET PROTECTION TYPE A
- (B) INLET PROTECTION TYPE B
- (C) INLET PROTECTION TYPE C
- (D) INLET PROTECTION TYPE D
- TEMPORARY DITCH CHECK
- TEMPORARY STONE DITCH CHECK
- CULVERT PIPE CHECKS
- SOIL STABILIZER TYPE B

NOTES

1) WHEN INLET PROTECTION TYPE A AND TYPE B, C OR D ARE INDICATED AT THE SAME LOCATION. INSTALL TYPE A INLET PROTECTION AFTER INLET IS INSTALLED, THEN:
   - INSTALL TYPE B OR D INLET AFTER FINAL GRADING IS COMPLETED OR ADJACENT PAVEMENT SURFACE IS PLACED.
   - INSTALL TYPE C INLET PROTECTION AFTER ADJACENT PAVEMENT SURFACE IS PLACED.

2) EROSION CONTROL DEVICES USED IN PREVIOUS CONSTRUCTION STAGES THAT REMAIN IN USE ARE NOT SHOWN.

3) IN WETLAND AREAS, INSTALL HEAVY DUTY OR STANDARD SILT FENCE TO THE STATION AND OFFSETS INDICATED.

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	EROSION CONTROL - STAGE 2	SHEET	E

2

N

SLOPE INTERCEPT

WETLAND BOUNDARY

WETLAND BOUNDARY

WETLAND BOUNDARY

WETLAND BOUNDARY

OAKWOOD ROAD

IH94 SB

IH94 NB

MATCHLINE 186+00

MATCHLINE 201+00

15KW

18KW

20KW

22KW

24KW

188

190

192

194

196

198

200

EROSION CONTROL LEGEND

EROSION MAT CLASS I, TYPE B		(A)	INLET PROTECTION TYPE A
EROSION MAT URBAN CLASS I, TYPE B		(B)	INLET PROTECTION TYPE B
TURBIDITY BARRIER		(C)	INLET PROTECTION TYPE C
SILT FENCE		(D)	INLET PROTECTION TYPE D
EROSION BALES			TEMPORARY DITCH CHECK
SURFACE WATER FLOW			TEMPORARY STONE DITCH CHECK
SLOPE INTERCEPT			CULVERT PIPE CHECKS
MEDIUM RIP RAP			SOIL STABILIZER TYPE B
(R)	ROCK BAGS		

NOTES

1) WHEN INLET PROTECTION TYPE A AND TYPE B, C OR D ARE INDICATED AT THE SAME LOCATION. INSTALL TYPE A INLET PROTECTION AFTER INLET IS INSTALLED, THEN:
   - INSTALL TYPE B OR D INLET AFTER FINAL GRADING IS COMPLETED OR ADJACENT PAVEMENT SURFACE IS PLACED.
   - INSTALL TYPE C INLET PROTECTION AFTER ADJACENT PAVEMENT SURFACE IS PLACED.

2) EROSION CONTROL DEVICES USED IN PREVIOUS CONSTRUCTION STAGES THAT REMAIN IN USE ARE NOT SHOWN.

3) IN WETLAND AREAS, INSTALL HEAVY DUTY OR STANDARD SILT FENCE TO THE STATION AND OFFSETS INDICATED.

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	EROSION CONTROL - STAGE 2	SHEET	E

2

N

WETLAND BOUNDARY

SLOPE INTERCEPT

WETLAND BOUNDARY

209+50.00
121.00' LT

210+45.00
126.50' LT

211+50.00
129.00' LT

MATCHLINE 201+00

202 204 206 208 210 212 214

MATCHLINE 216+00

IH94 SB

IH94 NB

WETLAND BOUNDARY

EROSION CONTROL LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT URBAN CLASS I, TYPE B
- TURBIDITY BARRIER
- SILT FENCE
- EROSION BALES
- SURFACE WATER FLOW
- SLOPE INTERCEPT
- MEDIUM RIP RAP
- ROCK BAGS
- INLET PROTECTION TYPE A
- INLET PROTECTION TYPE B
- INLET PROTECTION TYPE C
- INLET PROTECTION TYPE D
- TEMPORARY DITCH CHECK
- TEMPORARY STONE DITCH CHECK
- CULVERT PIPE CHECKS
- SOIL STABILIZER TYPE B

NOTES

1) WHEN INLET PROTECTION TYPE A AND TYPE B, C OR D ARE INDICATED AT THE SAME LOCATION. INSTALL TYPE A INLET PROTECTION AFTER INLET IS INSTALLED, THEN:
   - INSTALL TYPE B OR D INLET AFTER FINAL GRADING IS COMPLETED OR ADJACENT PAVEMENT SURFACE IS PLACED.
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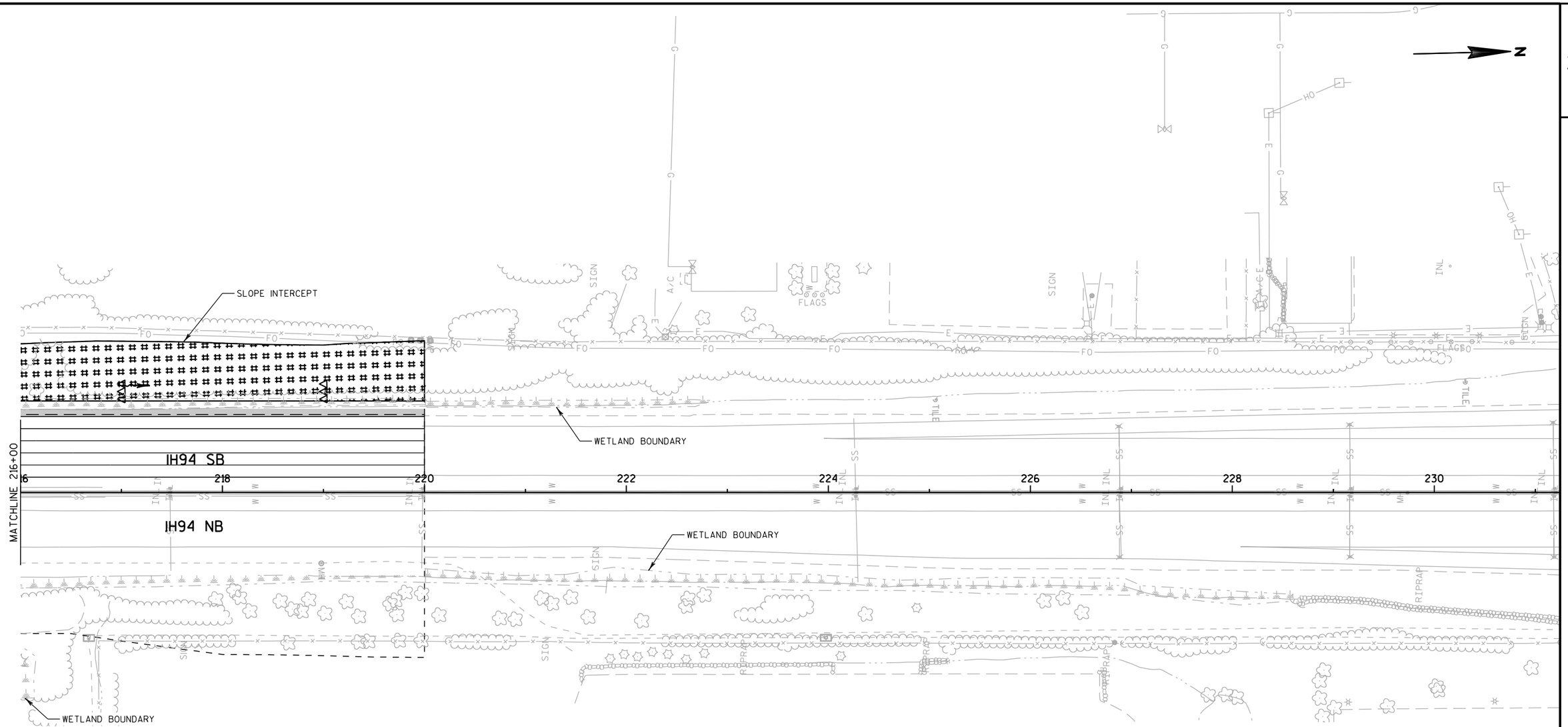
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3) IN WETLAND AREAS, INSTALL HEAVY DUTY OR STANDARD SILT FENCE TO THE STATION AND OFFSETS INDICATED.

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	EROSION CONTROL - STAGE 2	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\022026_ec.dgn PLOT DATE : 11-JUL-2018 21:45 PLOT BY : MSCD1S PLOT NAME : 022026_ec PLOT SCALE : 100:1

2



EROSION CONTROL LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT URBAN CLASS I, TYPE B
- TURBIDITY BARRIER
- SILT FENCE
- EROSION BALES
- SURFACE WATER FLOW
- SLOPE INTERCEPT
- MEDIUM RIP RAP
- ROCK BAGS (R)
- INLET PROTECTION TYPE A (A)
- INLET PROTECTION TYPE B (B)
- INLET PROTECTION TYPE C (C)
- INLET PROTECTION TYPE D (D)
- TEMPORARY DITCH CHECK
- TEMPORARY STONE DITCH CHECK
- CULVERT PIPE CHECKS
- SOIL STABILIZER TYPE B

NOTES

1) WHEN INLET PROTECTION TYPE A AND TYPE B, C OR D ARE INDICATED AT THE SAME LOCATION. INSTALL TYPE A INLET PROTECTION AFTER INLET IS INSTALLED, THEN:
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3) IN WETLAND AREAS, INSTALL HEAVY DUTY OR STANDARD SILT FENCE TO THE STATION AND OFFSETS INDICATED.

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	EROSION CONTROL - STAGE 2	SHEET	E

2

N

814T

812T

810T

808T

806T

8E

10E

14E

16E

18E

20E

22E

23E+00

MATCHLINE

ELM ROAD

S. 27TH STREET

STH 241

SLOPE INTERCEPT

WETLAND BOUNDARY

15E+50.00
90.00' RT

16E+25.00
121.00' RT

17E+00.00
121.00' RT

18E+00.00
105.00' RT

22E+50.00
132.00' RT

WETLAND BOUNDARY

EROSION CONTROL LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT URBAN CLASS I, TYPE B
- TURBIDITY BARRIER
- SILT FENCE
- EROSION BALES
- SURFACE WATER FLOW
- SLOPE INTERCEPT
- MEDIUM RIP RAP
- ROCK BAGS (R)
- INLET PROTECTION TYPE A
- INLET PROTECTION TYPE B
- INLET PROTECTION TYPE C
- INLET PROTECTION TYPE D
- TEMPORARY DITCH CHECK
- TEMPORARY STONE DITCH CHECK
- CULVERT PIPE CHECKS
- SOIL STABILIZER TYPE B

NOTES

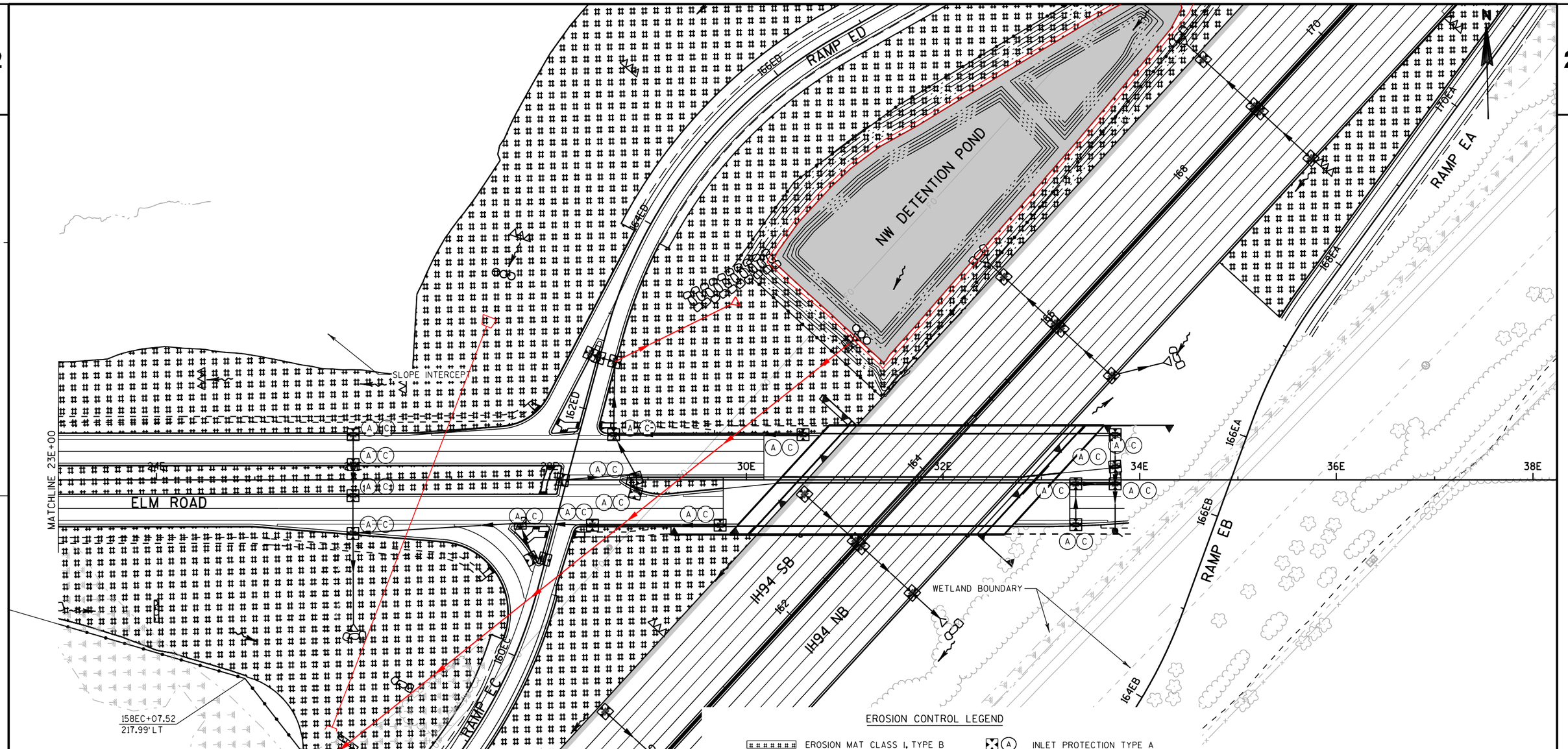
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2) EROSION CONTROL DEVICES USED IN PREVIOUS CONSTRUCTION STAGES THAT REMAIN IN USE ARE NOT SHOWN.

3) IN WETLAND AREAS, INSTALL HEAVY DUTY OR STANDARD SILT FENCE TO THE STATION AND OFFSETS INDICATED.

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	EROSION CONTROL - STAGE 2	SHEET	E

2



EROSION CONTROL LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT URBAN CLASS I, TYPE B
- TURBIDITY BARRIER
- SILT FENCE
- EROSION BALES
- SURFACE WATER FLOW
- SLOPE INTERCEPT
- MEDIUM RIP RAP
- ROCK BAGS
- INLET PROTECTION TYPE A
- INLET PROTECTION TYPE B
- INLET PROTECTION TYPE C
- INLET PROTECTION TYPE D
- TEMPORARY DITCH CHECK
- TEMPORARY STONE DITCH CHECK
- CULVERT PIPE CHECKS
- SOIL STABILIZER TYPE B

NOTES

1) WHEN INLET PROTECTION TYPE A AND TYPE B, C OR D ARE INDICATED AT THE SAME LOCATION. INSTALL TYPE A INLET PROTECTION AFTER INLET IS INSTALLED, THEN:
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PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	EROSION CONTROL - STAGE 2	SHEET	E

2

N

IH94 SB

IH94 NB

202 204 206 208 210 212 214 216

MATCHLINE 216+00

BERM

SIGN

EROSION CONTROL LEGEND

EROSION MAT CLASS I, TYPE B		A	INLET PROTECTION TYPE A
EROSION MAT URBAN CLASS I, TYPE B		B	INLET PROTECTION TYPE B
TURBIDITY BARRIER		C	INLET PROTECTION TYPE C
SILT FENCE		D	INLET PROTECTION TYPE D
EROSION BALES			TEMPORARY DITCH CHECK
SURFACE WATER FLOW			TEMPORARY STONE DITCH CHECK
SLOPE INTERCEPT			CULVERT PIPE CHECKS
MEDIUM RIP RAP			SOIL STABILIZER TYPE B
ROCK BAGS			

NOTES

1) WHEN INLET PROTECTION TYPE A AND TYPE B, C OR D ARE INDICATED AT THE SAME LOCATION. INSTALL TYPE A INLET PROTECTION AFTER INLET IS INSTALLED, THEN:
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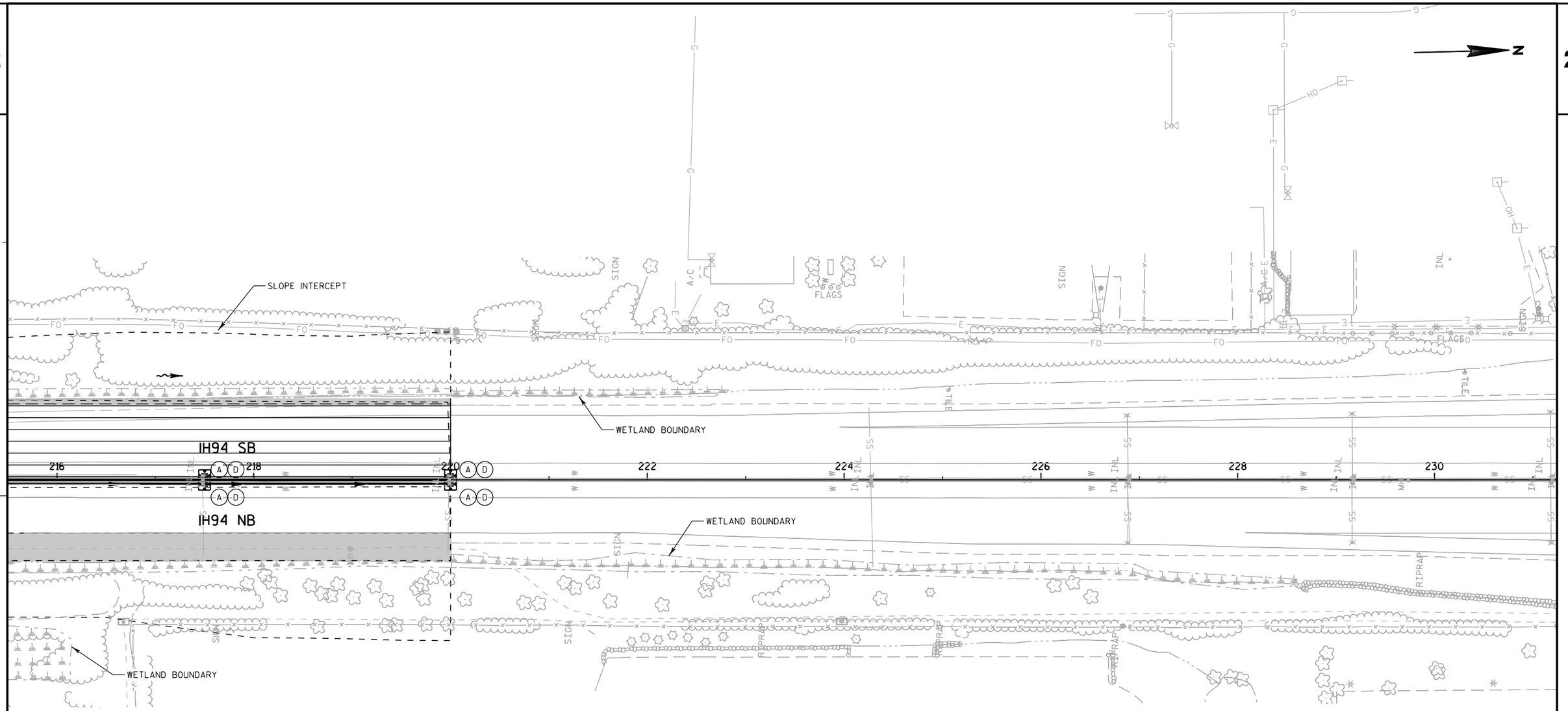
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PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	EROSION CONTROL - STAGE 3	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\022046_ec.dgn PLOT DATE : 11-JUL-2018 21:45 PLOT BY : MSCD1S PLOT NAME : 022046_ec PLOT SCALE : 100:1

2



EROSION CONTROL LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT URBAN CLASS I, TYPE B
- TURBIDITY BARRIER
- SILT FENCE
- EROSION BALES
- SURFACE WATER FLOW
- SLOPE INTERCEPT
- MEDIUM RIP RAP
- R ROCK BAGS
- A INLET PROTECTION TYPE A
- B INLET PROTECTION TYPE B
- C INLET PROTECTION TYPE C
- D INLET PROTECTION TYPE D
- TEMPORARY DITCH CHECK
- TEMPORARY STONE DITCH CHECK
- CULVERT PIPE CHECKS
- SOIL STABILIZER TYPE B

NOTES

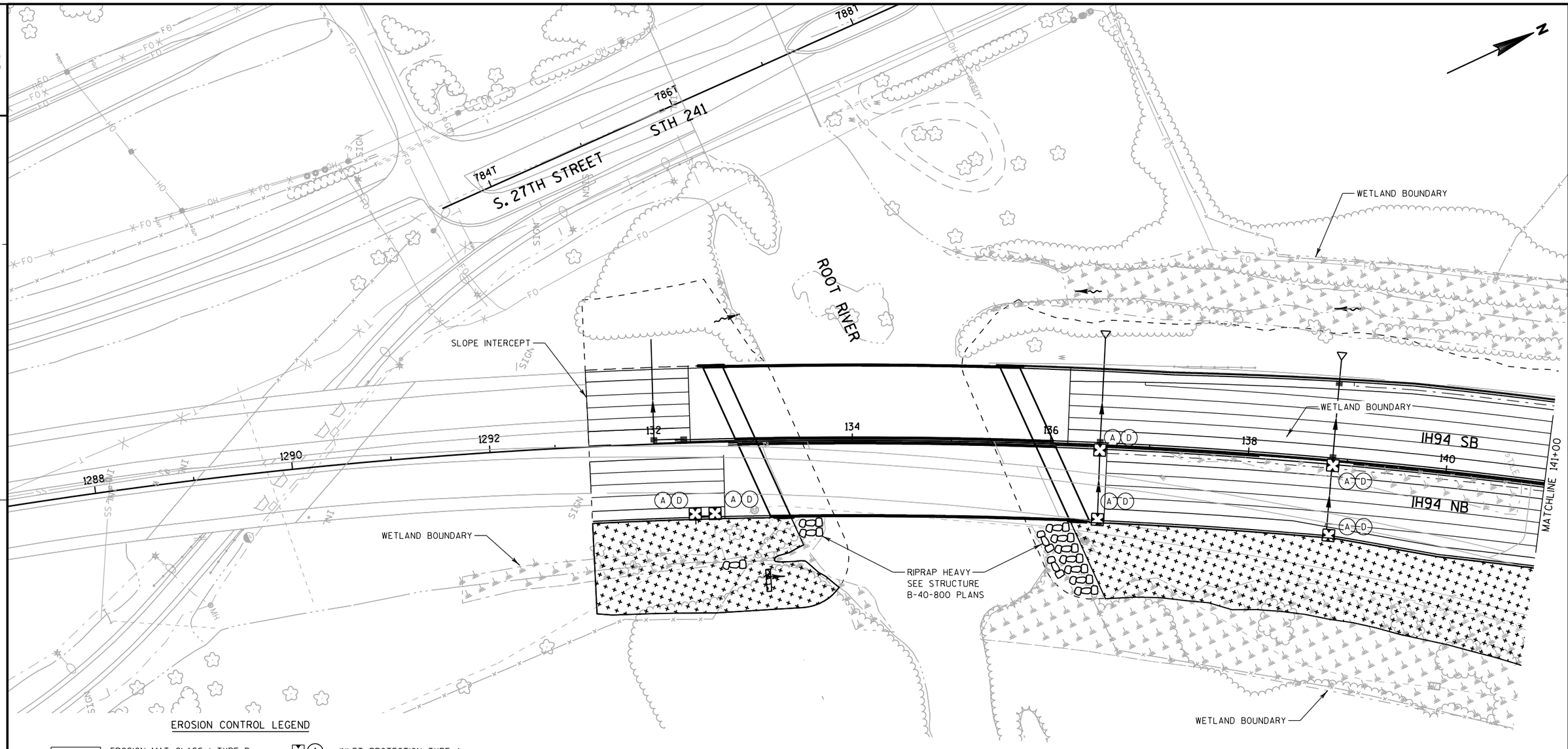
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2) EROSION CONTROL DEVICES USED IN PREVIOUS CONSTRUCTION STAGES THAT REMAIN IN USE ARE NOT SHOWN.

3) IN WETLAND AREAS, INSTALL HEAVY DUTY OR STANDARD SILT FENCE TO THE STATION AND OFFSETS INDICATED.

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	EROSION CONTROL - STAGE 3	SHEET	E

2



EROSION CONTROL LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT URBAN CLASS I, TYPE B
- TURBIDITY BARRIER
- SILT FENCE
- EROSION BALES
- SURFACE WATER FLOW
- SLOPE INTERCEPT
- MEDIUM RIP RAP
- ROCK BAGS (R)
- INLET PROTECTION TYPE A (A)
- INLET PROTECTION TYPE B (B)
- INLET PROTECTION TYPE C (C)
- INLET PROTECTION TYPE D (D)
- TEMPORARY DITCH CHECK
- TEMPORARY STONE DITCH CHECK
- CULVERT PIPE CHECKS
- SOIL STABILIZER TYPE B

NOTES

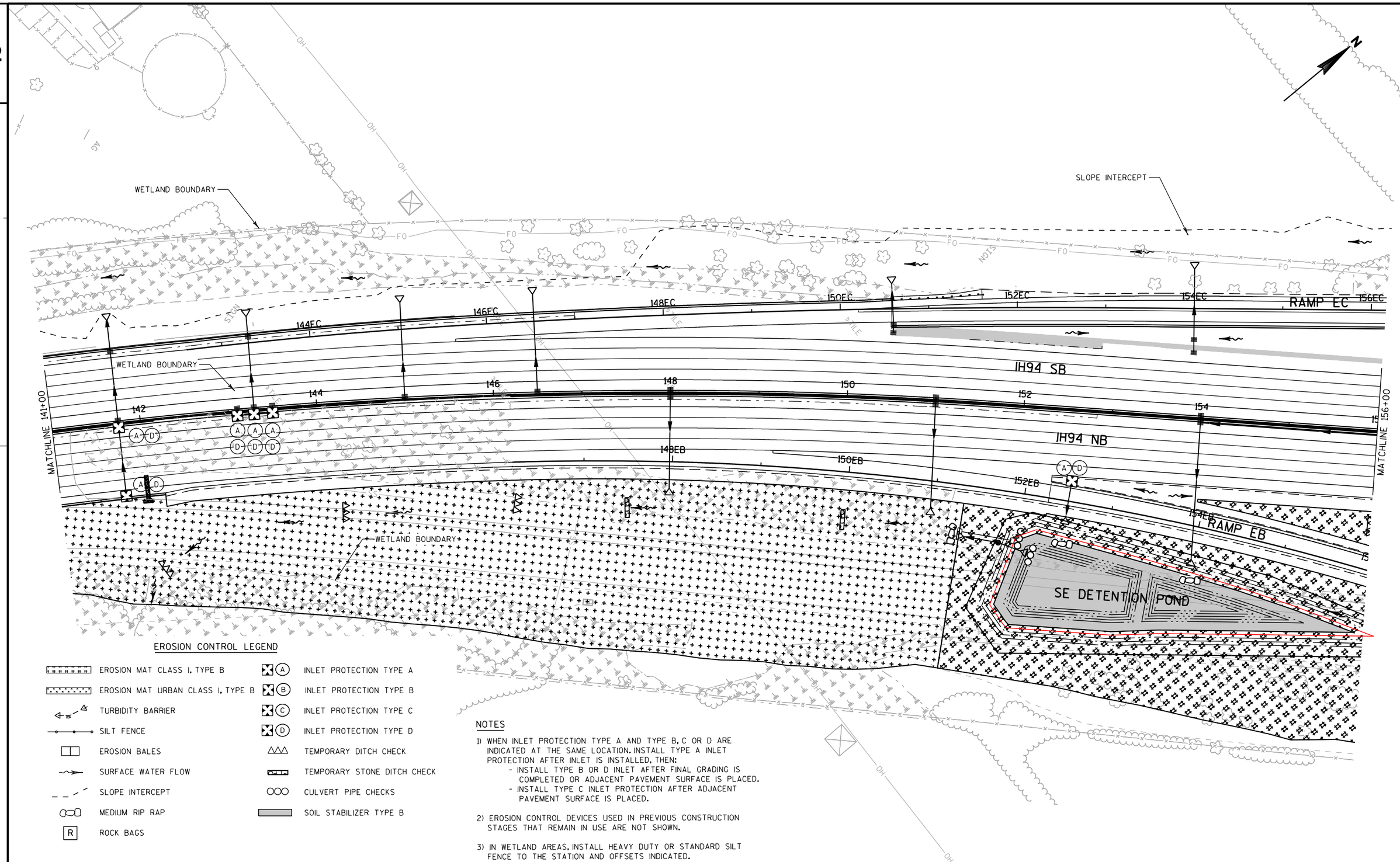
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   - INSTALL TYPE C INLET PROTECTION AFTER ADJACENT PAVEMENT SURFACE IS PLACED.

2) EROSION CONTROL DEVICES USED IN PREVIOUS CONSTRUCTION STAGES THAT REMAIN IN USE ARE NOT SHOWN.

3) IN WETLAND AREAS, INSTALL HEAVY DUTY OR STANDARD SILT FENCE TO THE STATION AND OFFSETS INDICATED.

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	EROSION CONTROL - STAGE 4	SHEET	E

2



EROSION CONTROL LEGEND

EROSION MAT CLASS I, TYPE B	INLET PROTECTION TYPE A
EROSION MAT URBAN CLASS I, TYPE B	INLET PROTECTION TYPE B
TURBIDITY BARRIER	INLET PROTECTION TYPE C
SILT FENCE	INLET PROTECTION TYPE D
EROSION BALES	TEMPORARY DITCH CHECK
SURFACE WATER FLOW	TEMPORARY STONE DITCH CHECK
SLOPE INTERCEPT	CULVERT PIPE CHECKS
MEDIUM RIP RAP	SOIL STABILIZER TYPE B
ROCK BAGS	

NOTES

1) WHEN INLET PROTECTION TYPE A AND TYPE B, C OR D ARE INDICATED AT THE SAME LOCATION. INSTALL TYPE A INLET PROTECTION AFTER INLET IS INSTALLED, THEN:
   - INSTALL TYPE B OR D INLET AFTER FINAL GRADING IS COMPLETED OR ADJACENT PAVEMENT SURFACE IS PLACED.
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2) EROSION CONTROL DEVICES USED IN PREVIOUS CONSTRUCTION STAGES THAT REMAIN IN USE ARE NOT SHOWN.

3) IN WETLAND AREAS, INSTALL HEAVY DUTY OR STANDARD SILT FENCE TO THE STATION AND OFFSETS INDICATED.

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	EROSION CONTROL - STAGE 4	SHEET	E

EROSION CONTROL LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT URBAN CLASS I, TYPE B
- TURBIDITY BARRIER
- SILT FENCE
- EROSION BALES
- SURFACE WATER FLOW
- SLOPE INTERCEPT
- MEDIUM RIP RAP
- ROCK BAGS (R)
- INLET PROTECTION TYPE A (A)
- INLET PROTECTION TYPE B (B)
- INLET PROTECTION TYPE C (C)
- INLET PROTECTION TYPE D (D)
- TEMPORARY DITCH CHECK
- TEMPORARY STONE DITCH CHECK
- CULVERT PIPE CHECKS
- SOIL STABILIZER TYPE B

NOTES

1) WHEN INLET PROTECTION TYPE A AND TYPE B, C OR D ARE INDICATED AT THE SAME LOCATION. INSTALL TYPE A INLET PROTECTION AFTER INLET IS INSTALLED, THEN:
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3) IN WETLAND AREAS, INSTALL HEAVY DUTY OR STANDARD SILT FENCE TO THE STATION AND OFFSETS INDICATED.

N

SLOPE INTERCEPT

WETLAND BOUNDARY

NW DETENTION POND

RAMP ED

RAMP EA

RAMP EB

IH94 SB

IH94 NB

MATCHLINE 156+00

MATCHLINE 171+00

156 158 160 162 164 166 168 170

158EC 160EC 162ED 30E

158EB 160EB 162EB 164EB 166EB

158EA 160EA 166EA 168EA 170EA

35E

ELM ROAD

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	EROSION CONTROL - STAGE 4	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\022063_ec.dgn PLOT DATE : 11-JUL-2018 21:46 PLOT BY : MSCD1S PLOT NAME : 022063_ec PLOT SCALE : 100:1

EROSION CONTROL LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT URBAN CLASS I, TYPE B
- TURBIDITY BARRIER
- SILT FENCE
- EROSION BALES
- SURFACE WATER FLOW
- SLOPE INTERCEPT
- MEDIUM RIP RAP
- ROCK BAGS
- INLET PROTECTION TYPE A
- INLET PROTECTION TYPE B
- INLET PROTECTION TYPE C
- INLET PROTECTION TYPE D
- TEMPORARY DITCH CHECK
- TEMPORARY STONE DITCH CHECK
- CULVERT PIPE CHECKS
- SOIL STABILIZER TYPE B

NOTES

1) WHEN INLET PROTECTION TYPE A AND TYPE B, C OR D ARE INDICATED AT THE SAME LOCATION. INSTALL TYPE A INLET PROTECTION AFTER INLET IS INSTALLED, THEN:
   - INSTALL TYPE B OR D INLET AFTER FINAL GRADING IS COMPLETED OR ADJACENT PAVEMENT SURFACE IS PLACED.
   - INSTALL TYPE C INLET PROTECTION AFTER ADJACENT PAVEMENT SURFACE IS PLACED.

2) EROSION CONTROL DEVICES USED IN PREVIOUS CONSTRUCTION STAGES THAT REMAIN IN USE ARE NOT SHOWN.

3) IN WETLAND AREAS, INSTALL HEAVY DUTY OR STANDARD SILT FENCE TO THE STATION AND OFFSETS INDICATED.

SLOPE INTERCEPT

WETLAND BOUNDARY

172ED 174ED 176ED 178ED RAMP ED 180ED 182ED 184ED

FO

MATCHLINE 171+00

172 174 176 178 180 182 184

IH94 SB

IH94 NB

MATCHLINE 186+00

WETLAND BOUNDARY

172EA 174EA 176EA 178EA RAMP EA 180EA 182EA

WETLAND BOUNDARY

WETLAND BOUNDARY

WETLAND BOUNDARY

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	EROSION CONTROL - STAGE 4	SHEET	E

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WISDOT/CADDS SHEET 42

EROSION CONTROL LEGEND

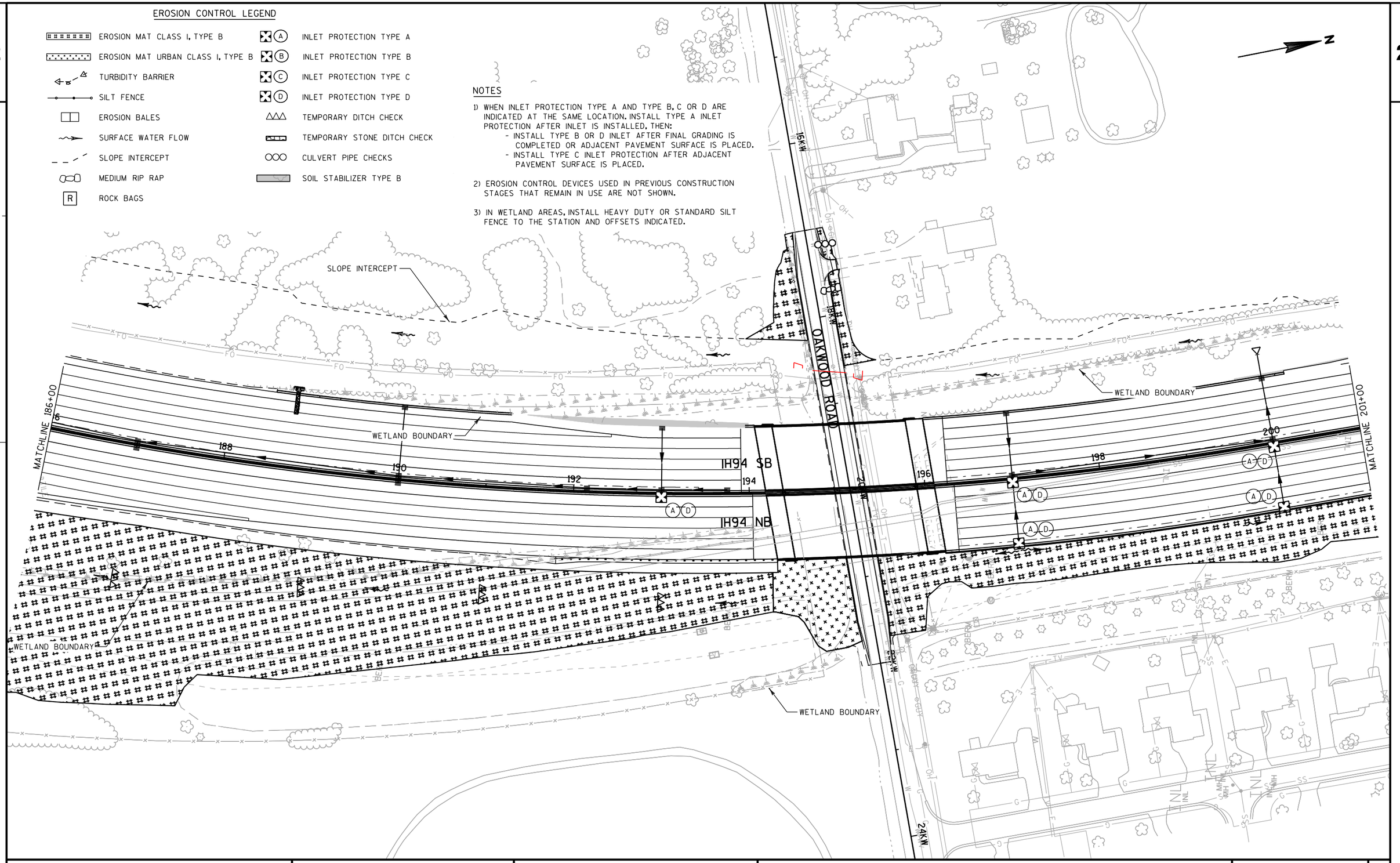
- EROSION MAT CLASS I, TYPE B
- EROSION MAT URBAN CLASS I, TYPE B
- TURBIDITY BARRIER
- SILT FENCE
- EROSION BALES
- SURFACE WATER FLOW
- SLOPE INTERCEPT
- MEDIUM RIP RAP
- ROCK BAGS
- INLET PROTECTION TYPE A
- INLET PROTECTION TYPE B
- INLET PROTECTION TYPE C
- INLET PROTECTION TYPE D
- TEMPORARY DITCH CHECK
- TEMPORARY STONE DITCH CHECK
- CULVERT PIPE CHECKS
- SOIL STABILIZER TYPE B

NOTES

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PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	EROSION CONTROL - STAGE 4	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\022065_ec.dgn PLOT DATE : 11-JUL-2018 21:46 PLOT BY : MSCD1S PLOT NAME : 022065_ec PLOT SCALE : 100:1

WISDOT/CADDS SHEET 42

2

N

SLOPE INTERCEPT

WETLAND BOUNDARY

WETLAND BOUNDARY

MATCHLINE 201+00

202 204 206 208 210 212 214

MATCHLINE 216+00

IH94 SB

IH94 NB

WETLAND BOUNDARY

SIGN SIGN SIGN SIGN MH

EROSION CONTROL LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT URBAN CLASS I, TYPE B
- TURBIDITY BARRIER
- SILT FENCE
- EROSION BALES
- SURFACE WATER FLOW
- SLOPE INTERCEPT
- MEDIUM RIP RAP
- ROCK BAGS
- INLET PROTECTION TYPE A
- INLET PROTECTION TYPE B
- INLET PROTECTION TYPE C
- INLET PROTECTION TYPE D
- TEMPORARY DITCH CHECK
- TEMPORARY STONE DITCH CHECK
- CULVERT PIPE CHECKS
- SOIL STABILIZER TYPE B

NOTES

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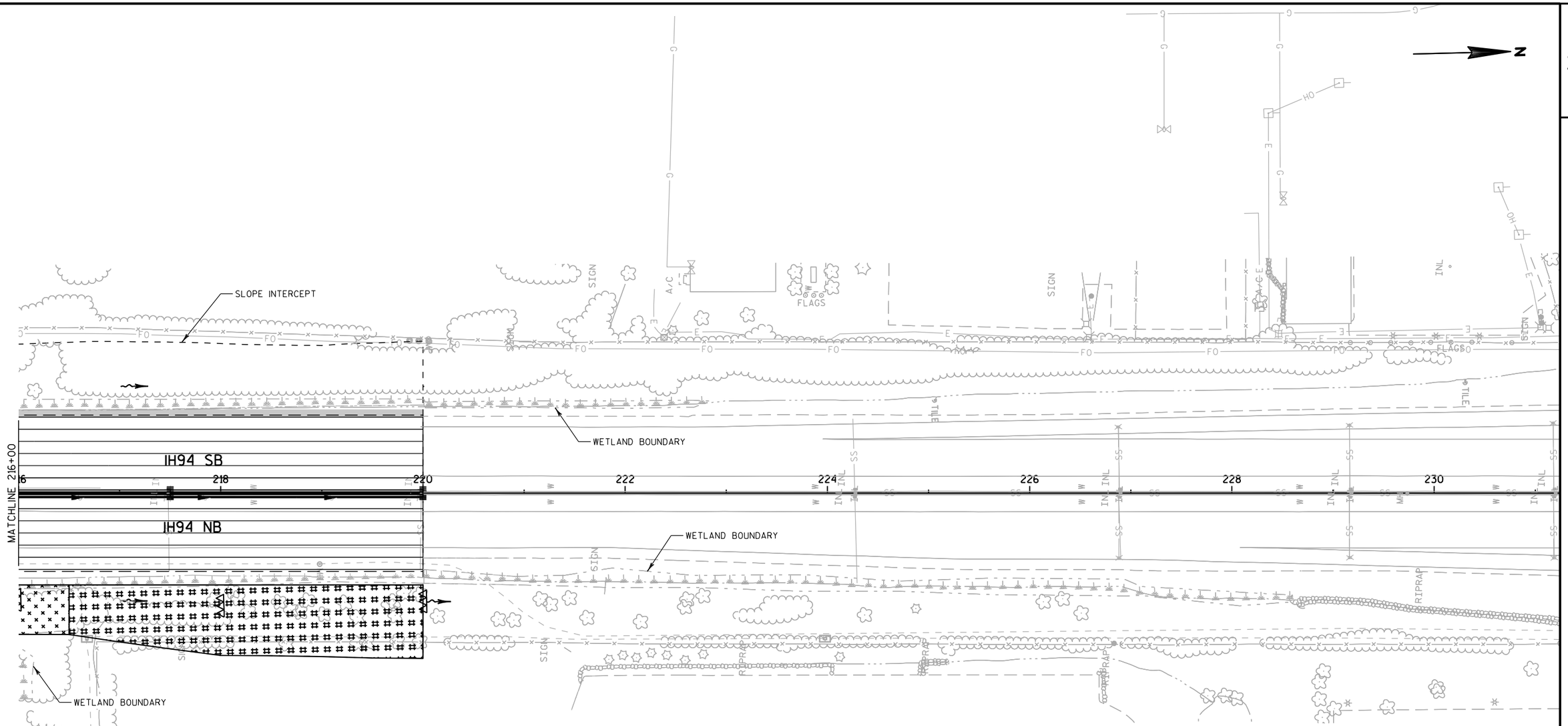
2) EROSION CONTROL DEVICES USED IN PREVIOUS CONSTRUCTION STAGES THAT REMAIN IN USE ARE NOT SHOWN.

3) IN WETLAND AREAS, INSTALL HEAVY DUTY OR STANDARD SILT FENCE TO THE STATION AND OFFSETS INDICATED.

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	EROSION CONTROL - STAGE 4	SHEET	E

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EROSION CONTROL LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT URBAN CLASS I, TYPE B
- TURBIDITY BARRIER
- SILT FENCE
- EROSION BALES
- SURFACE WATER FLOW
- SLOPE INTERCEPT
- MEDIUM RIP RAP
- ROCK BAGS
- (A) INLET PROTECTION TYPE A
- (B) INLET PROTECTION TYPE B
- (C) INLET PROTECTION TYPE C
- (D) INLET PROTECTION TYPE D
- TEMPORARY DITCH CHECK
- TEMPORARY STONE DITCH CHECK
- CULVERT PIPE CHECKS
- SOIL STABILIZER TYPE B

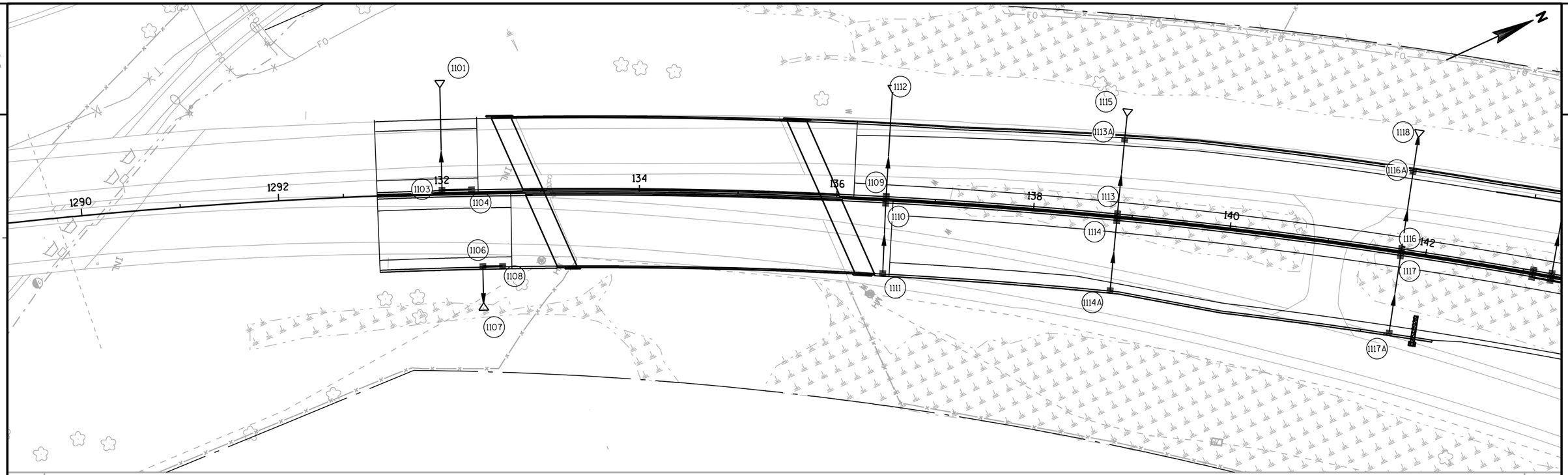
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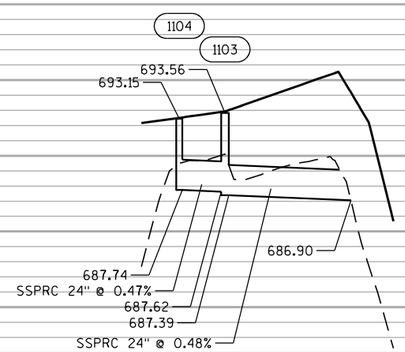
1) WHEN INLET PROTECTION TYPE A AND TYPE B, C OR D ARE INDICATED AT THE SAME LOCATION. INSTALL TYPE A INLET PROTECTION AFTER INLET IS INSTALLED, THEN:
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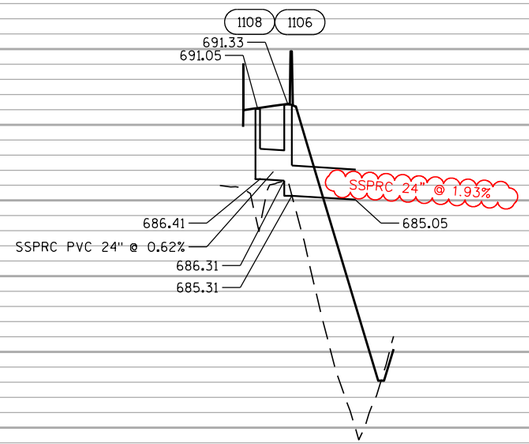
2) EROSION CONTROL DEVICES USED IN PREVIOUS CONSTRUCTION STAGES THAT REMAIN IN USE ARE NOT SHOWN.

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PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	EROSION CONTROL - STAGE 4	SHEET	E

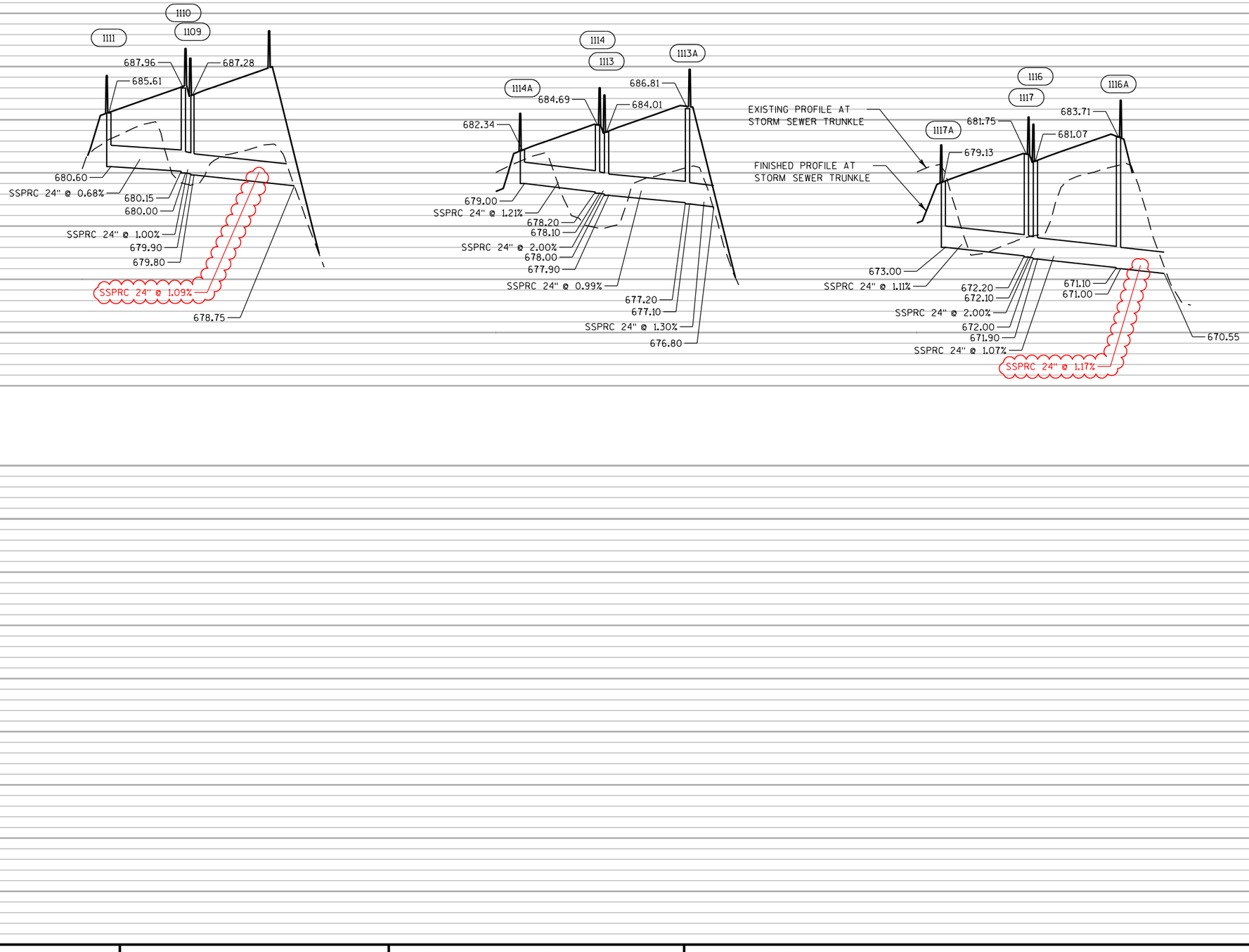






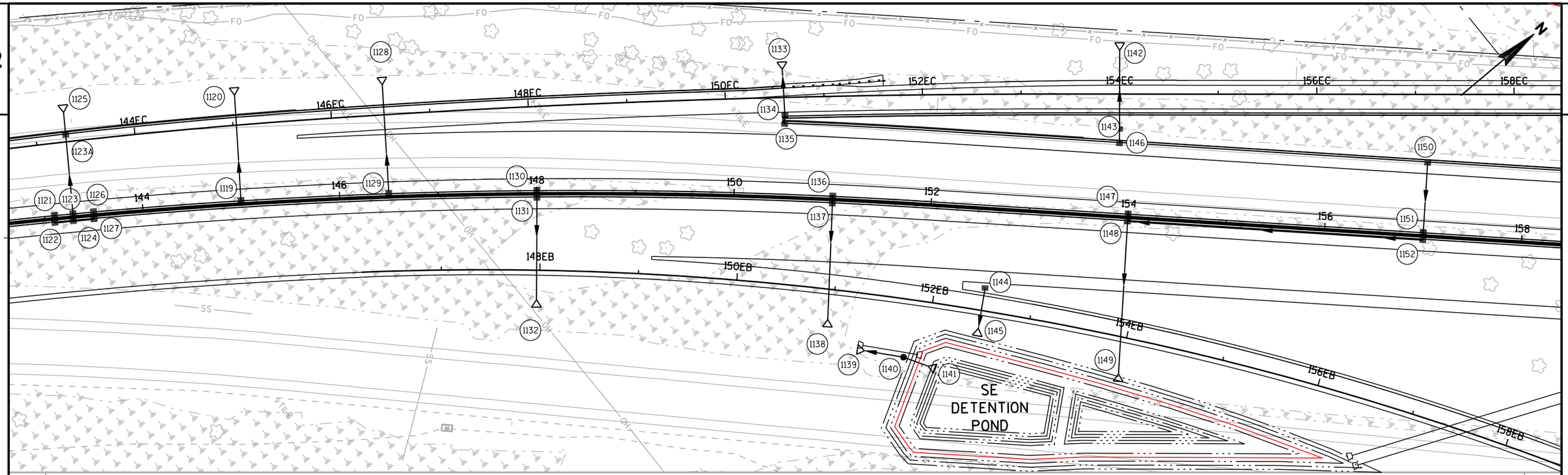
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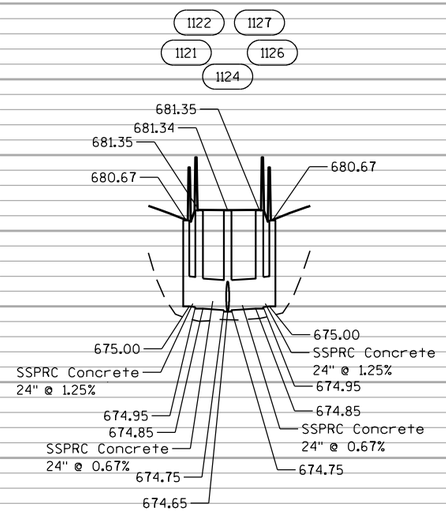
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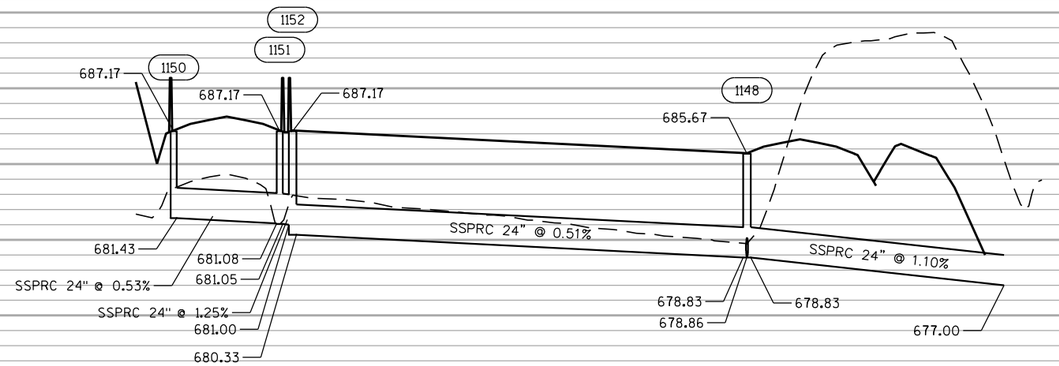


PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	STORM SEWER	SHEET	E

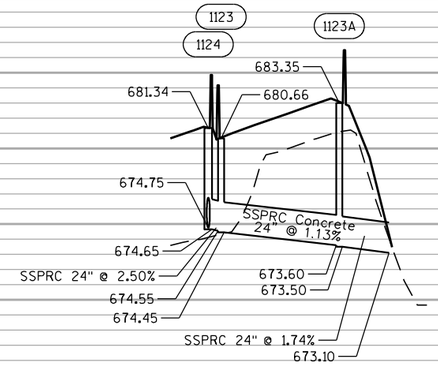
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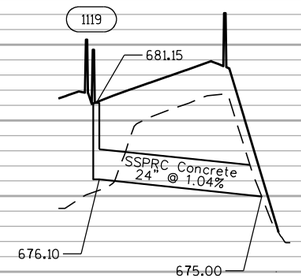


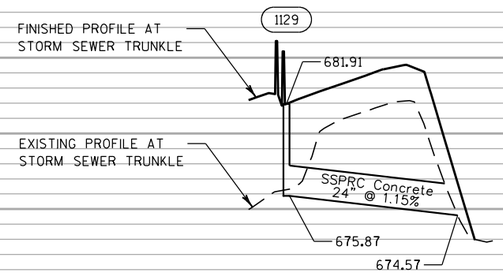


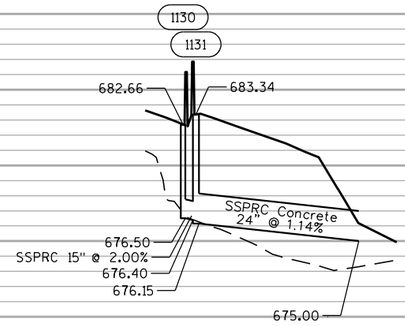


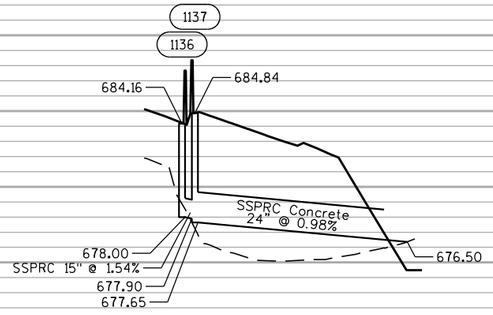
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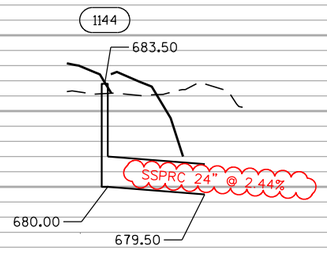


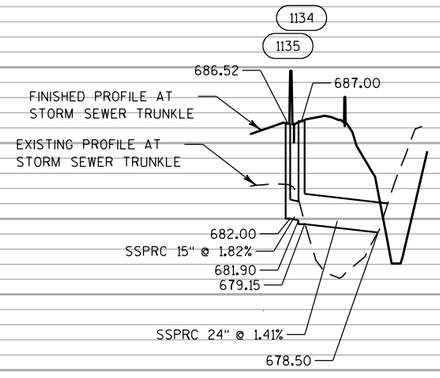


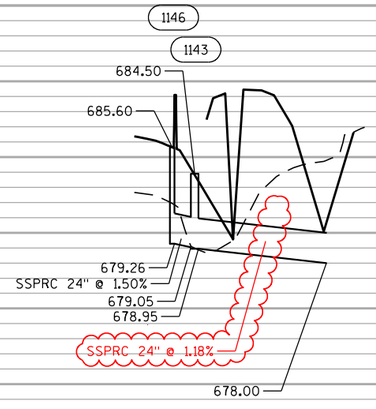




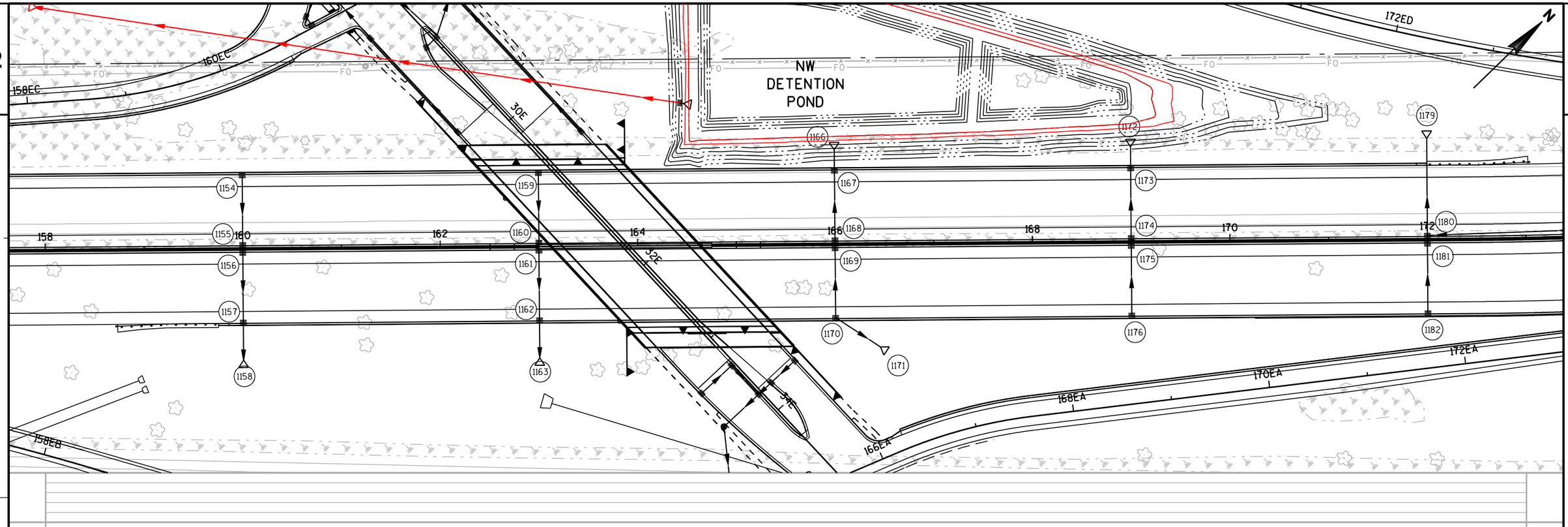








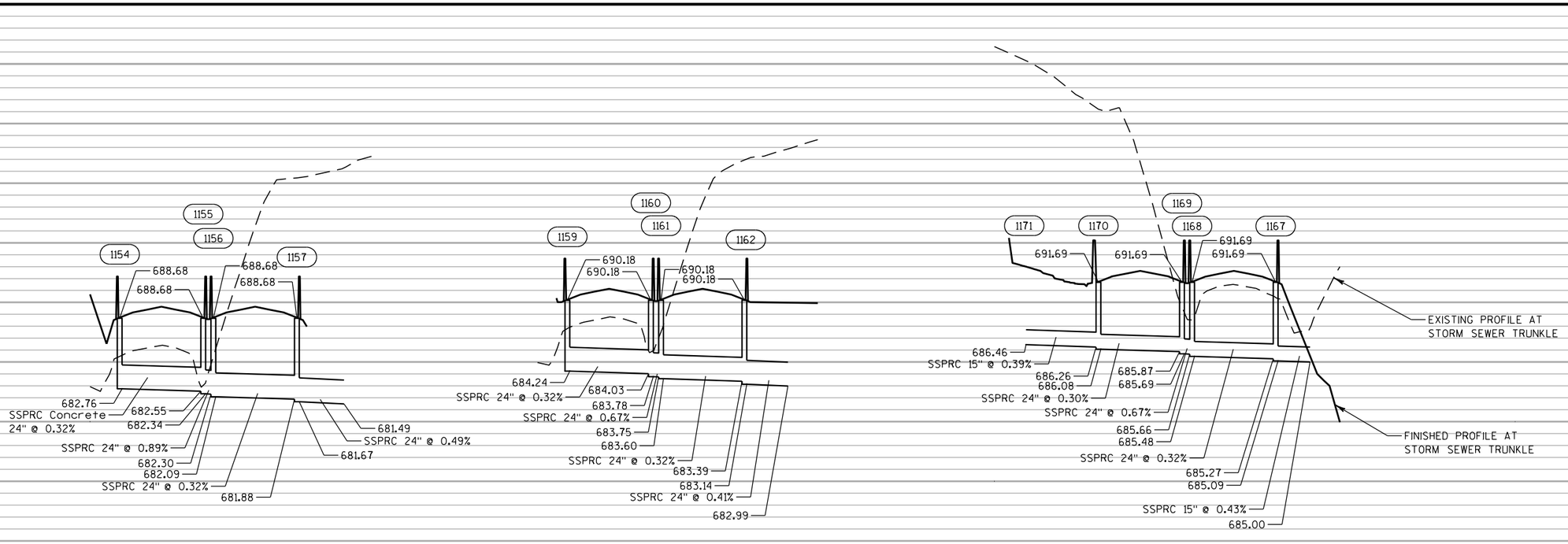
PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	STORM SEWER	SHEET	E

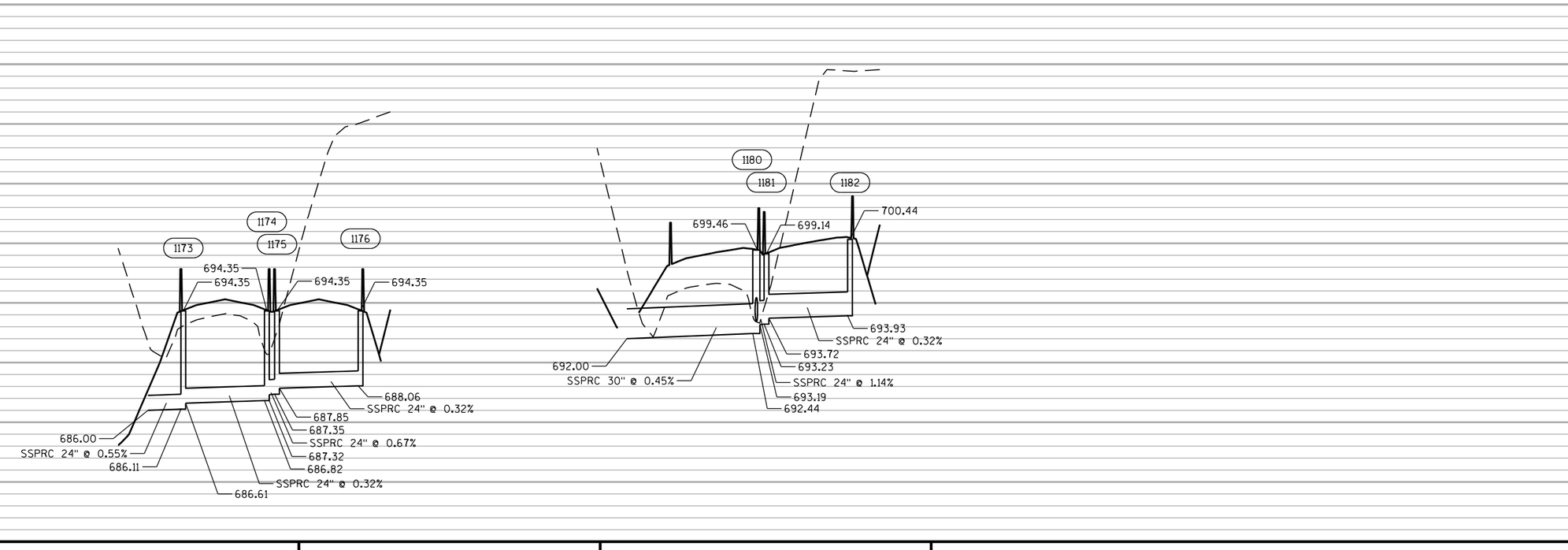


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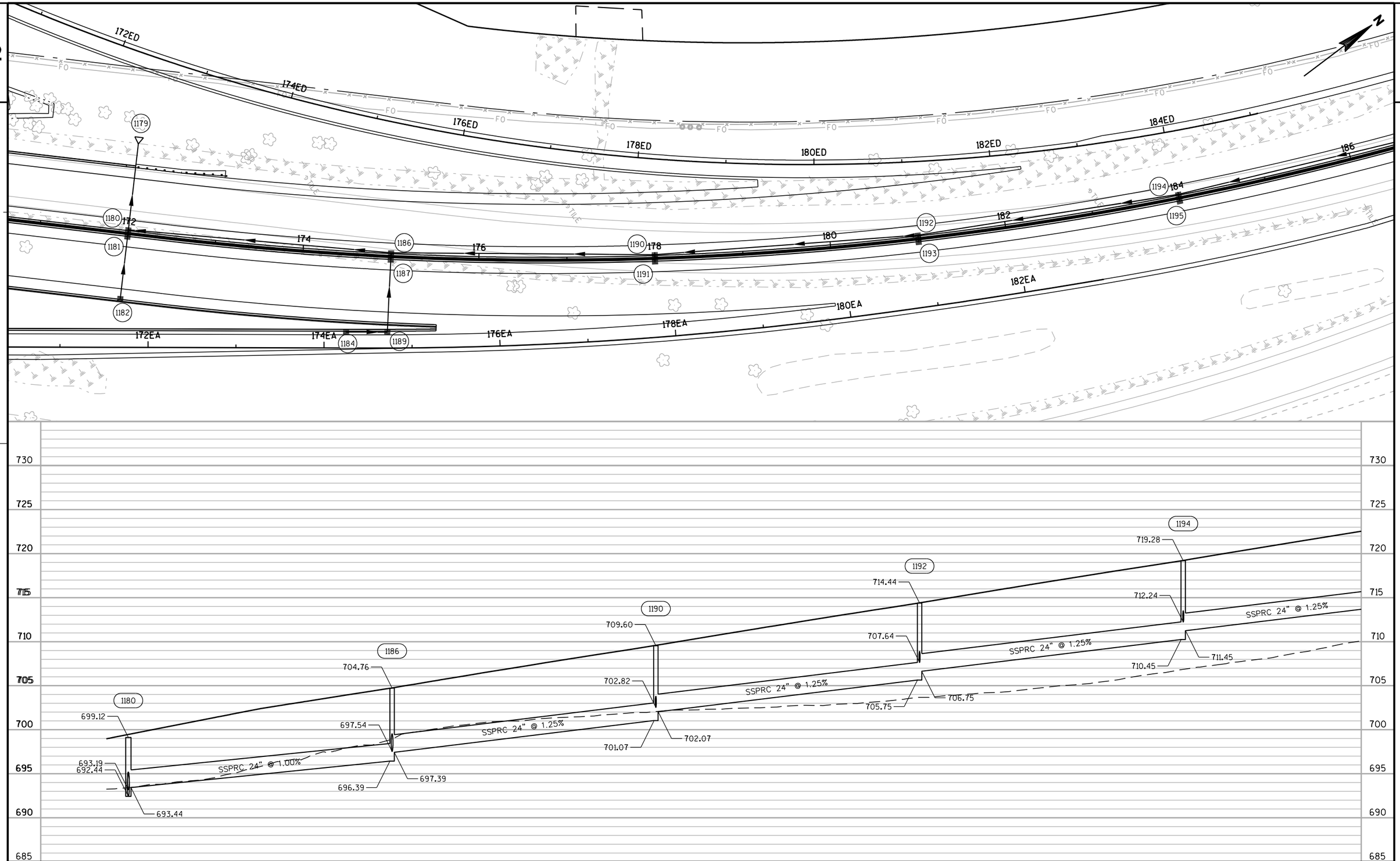
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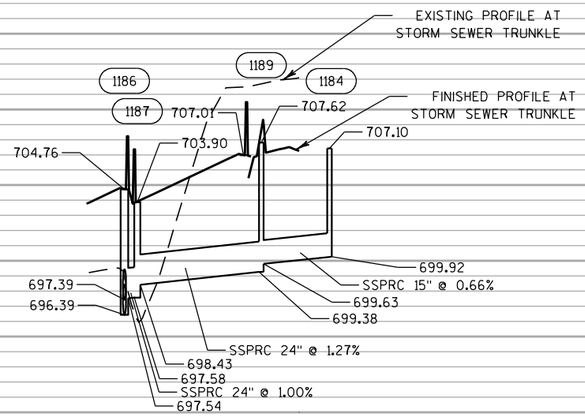


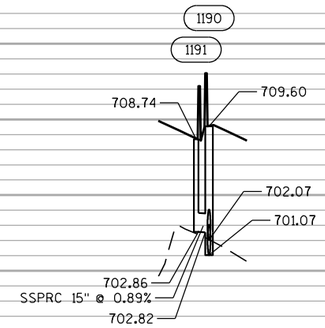
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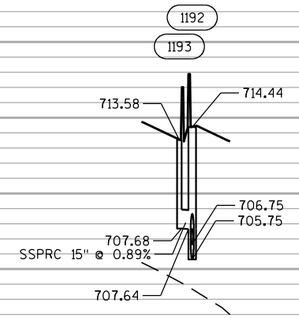


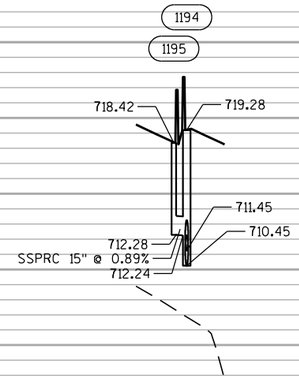
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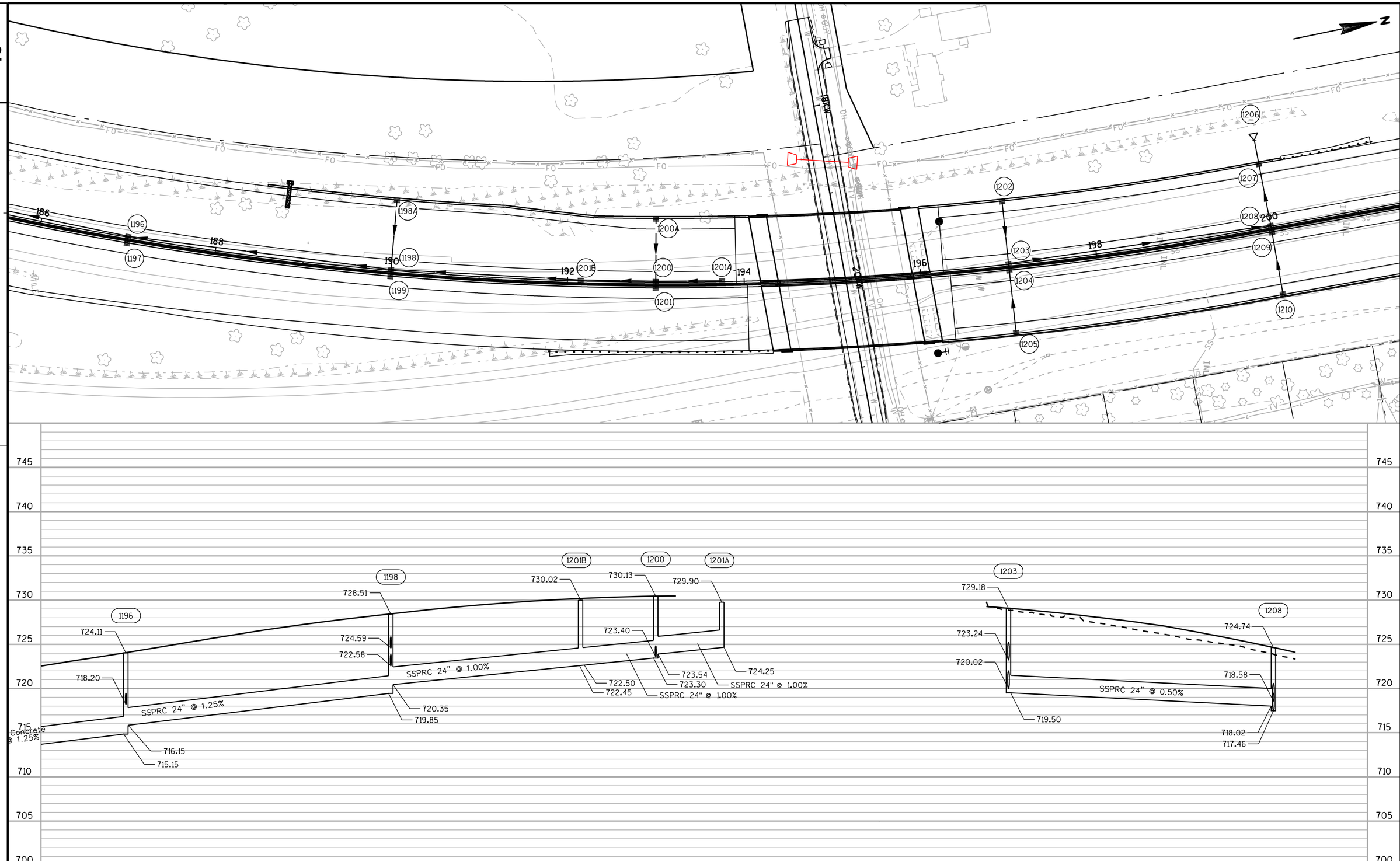




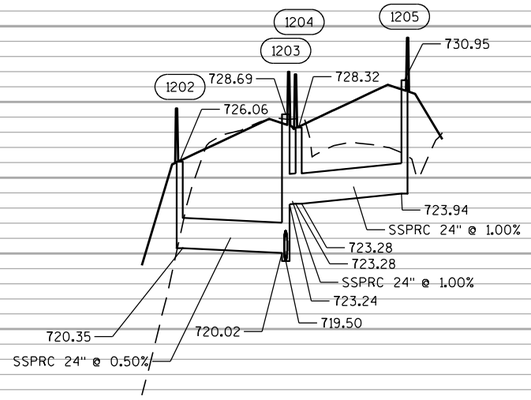


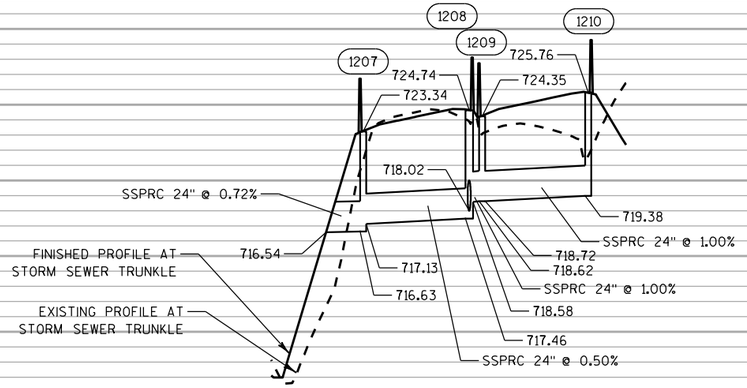
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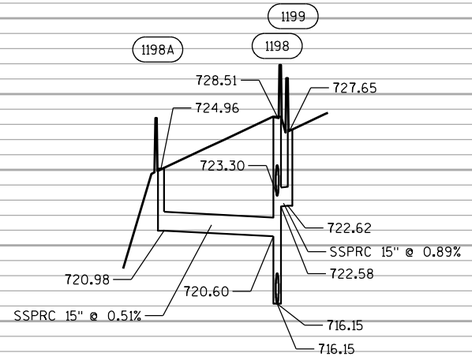
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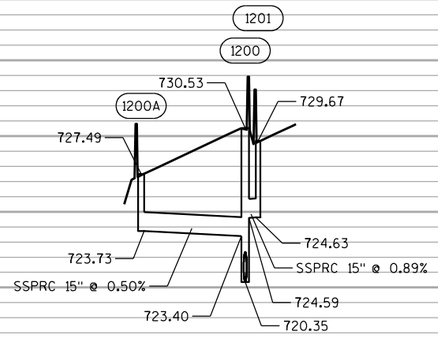


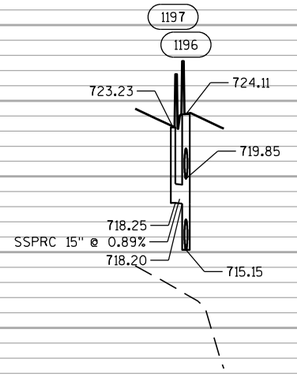
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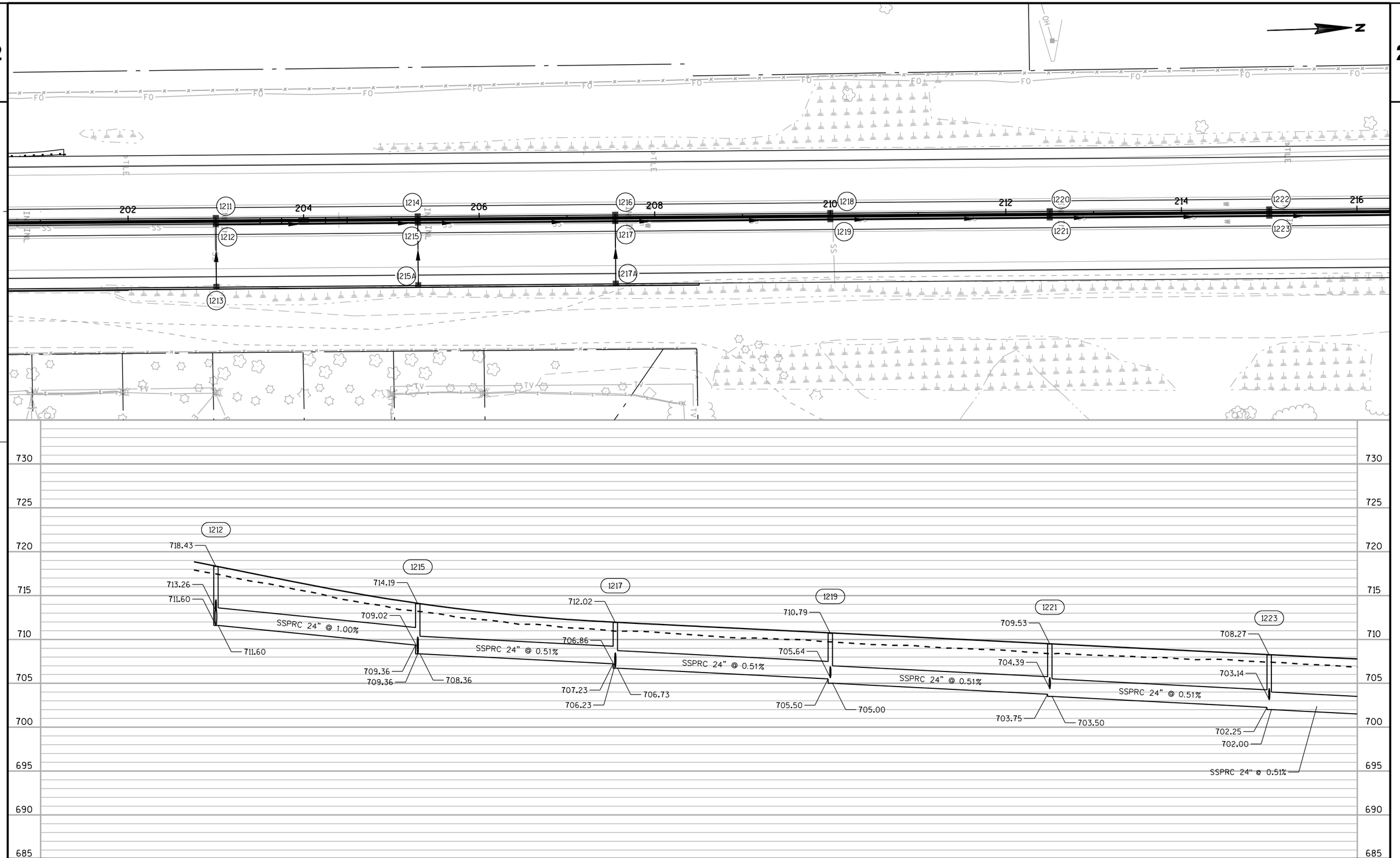






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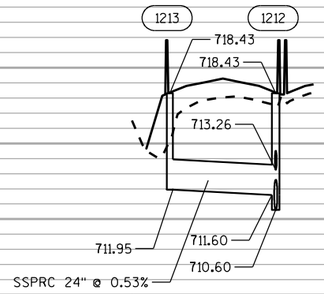
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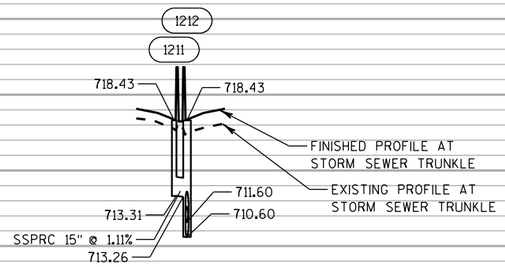


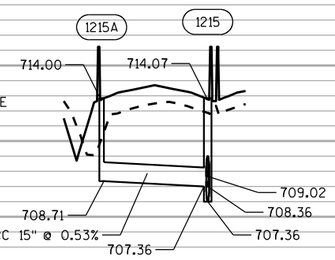
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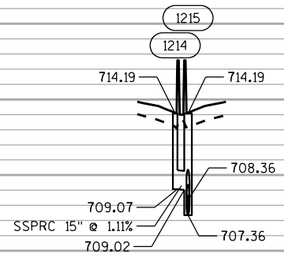
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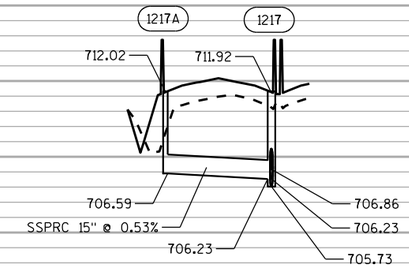
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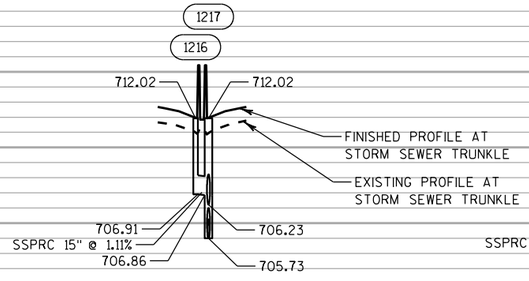


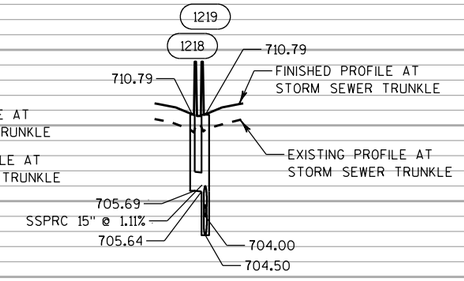


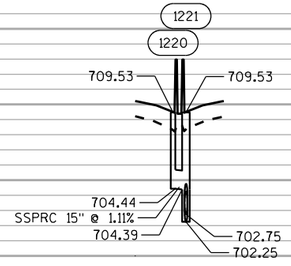


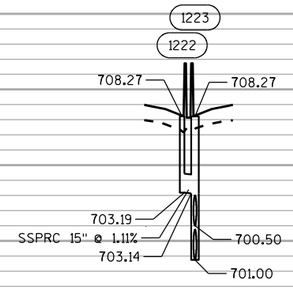


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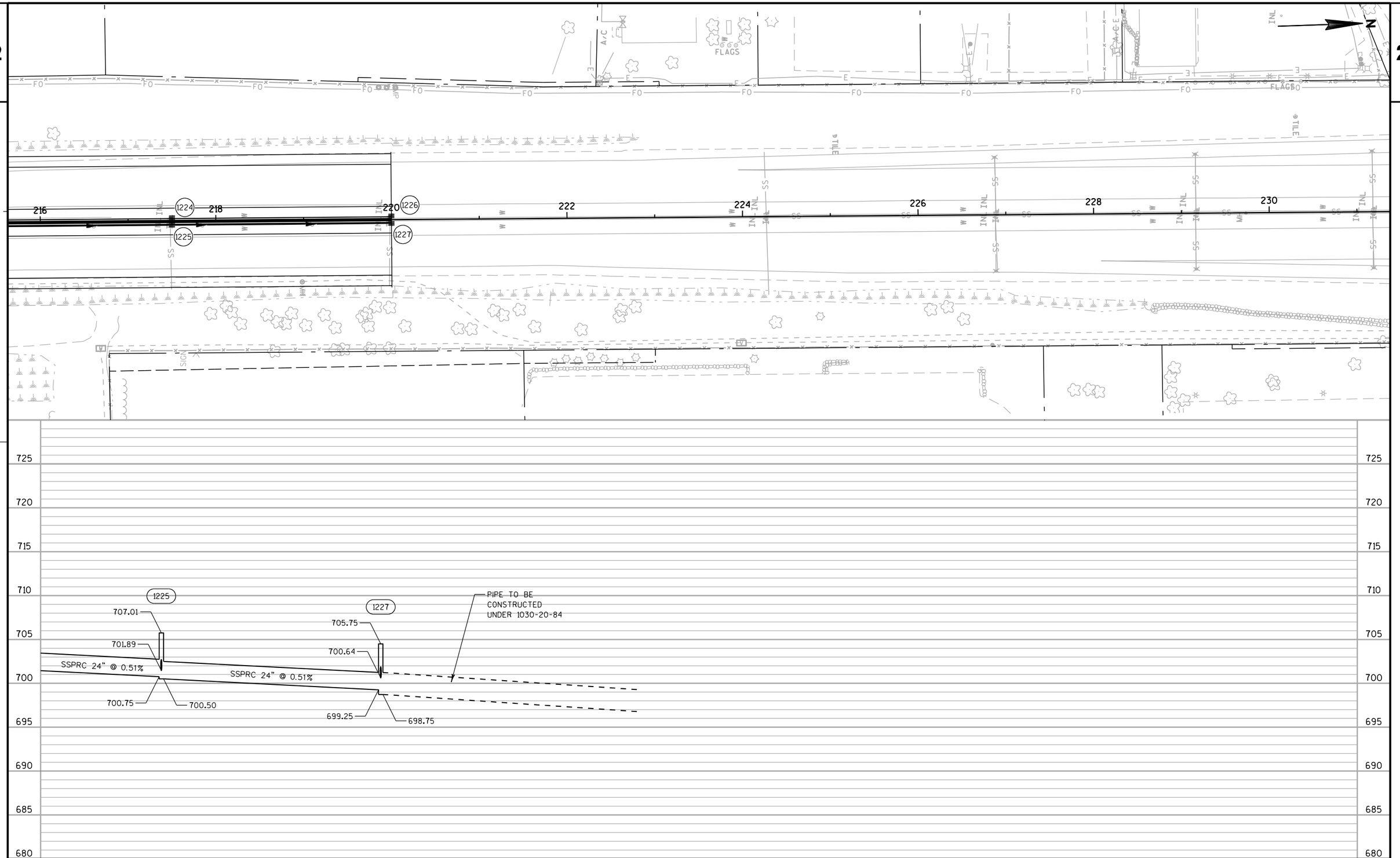




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PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	STORM SEWER	SHEET	E

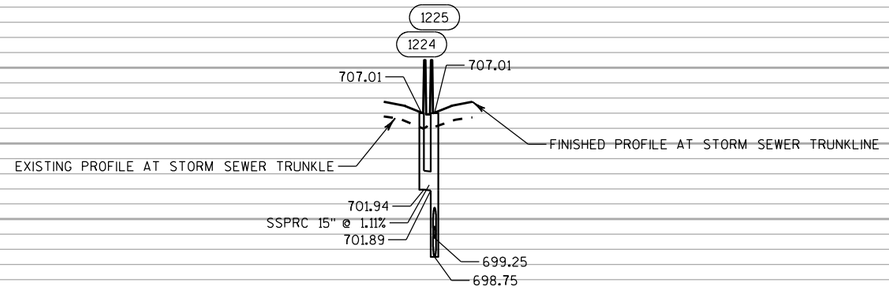
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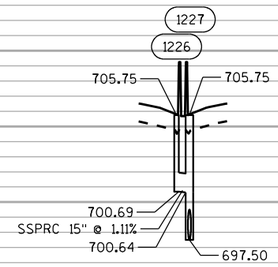


PROJECT NO: 1030-20-87	HWY: IIH 94	COUNTY: MILWAUKEE	STORM SEWER	SHEET	E

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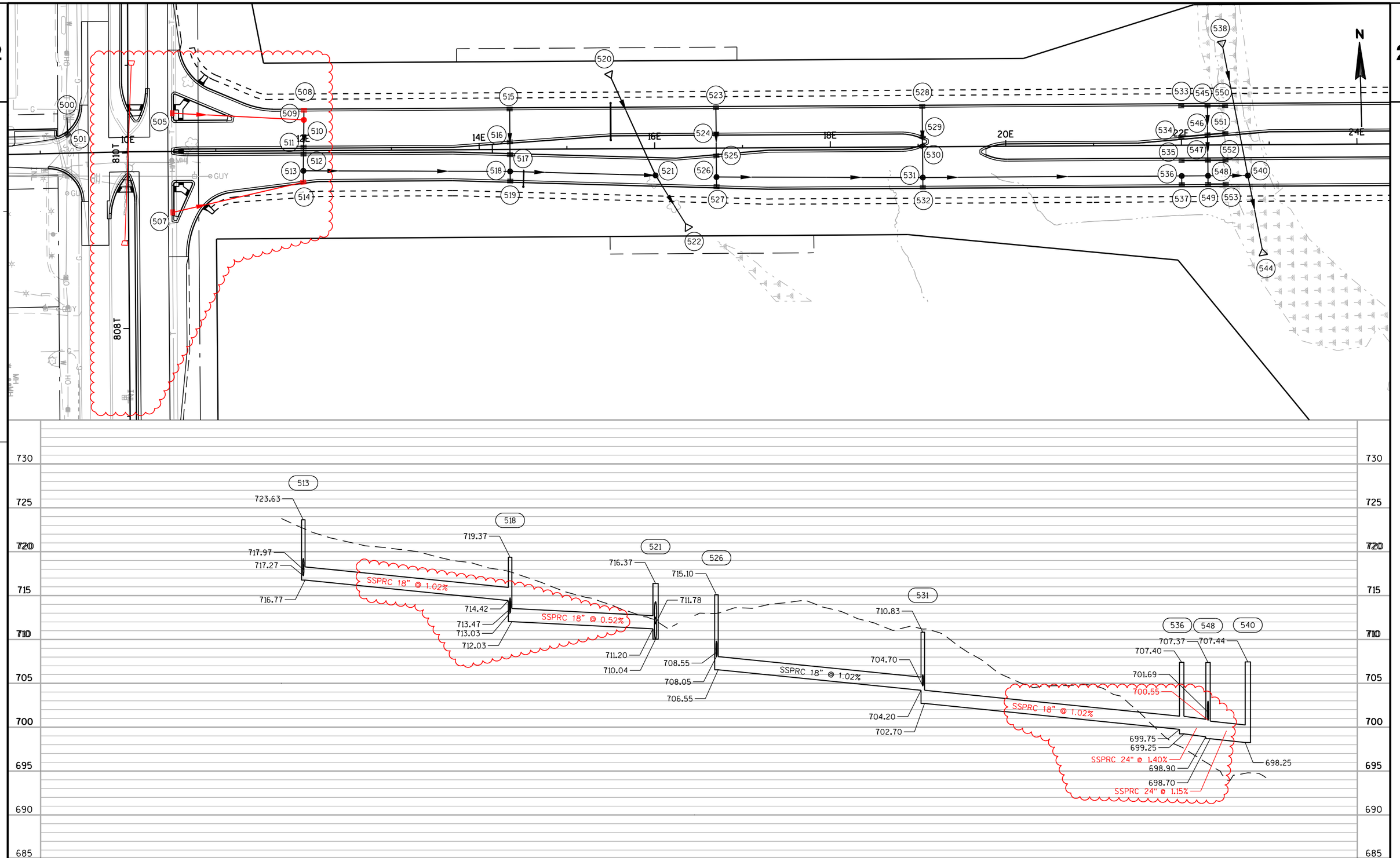


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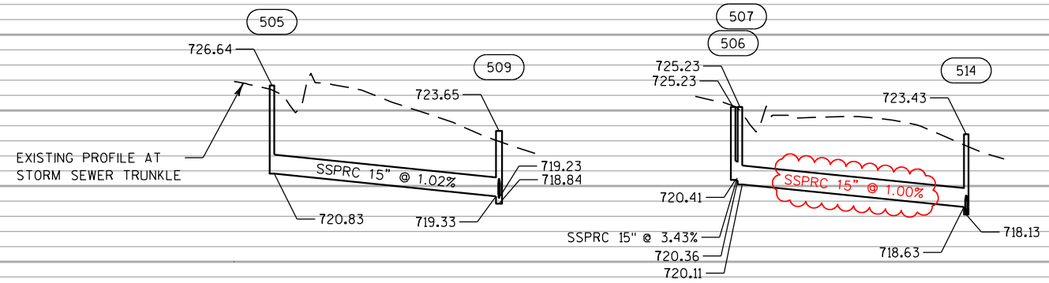
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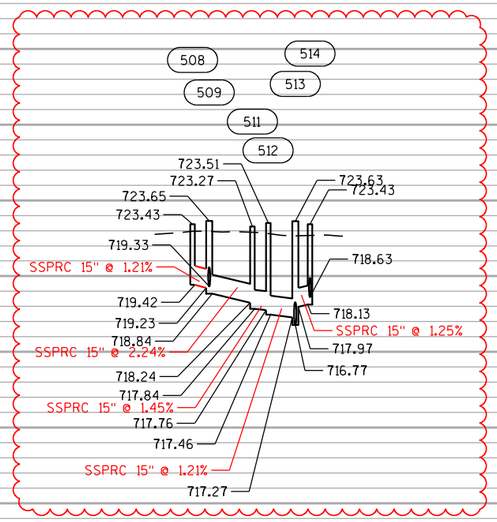
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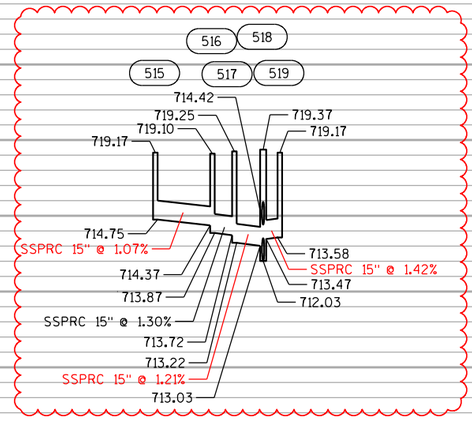


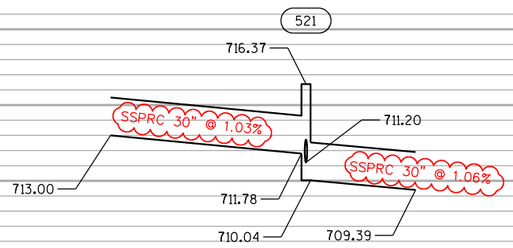
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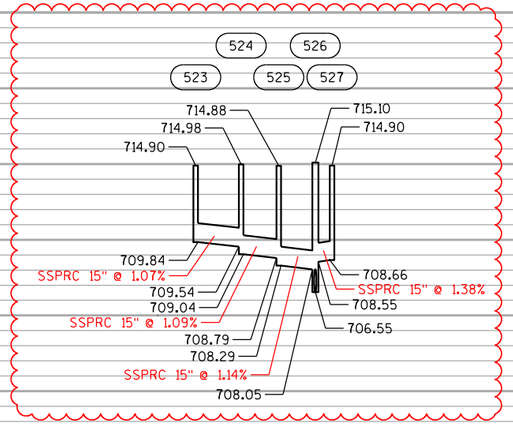
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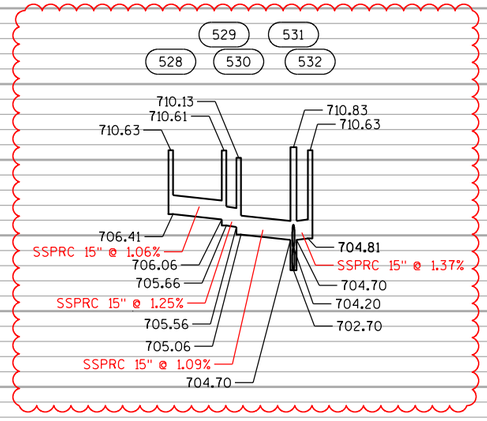


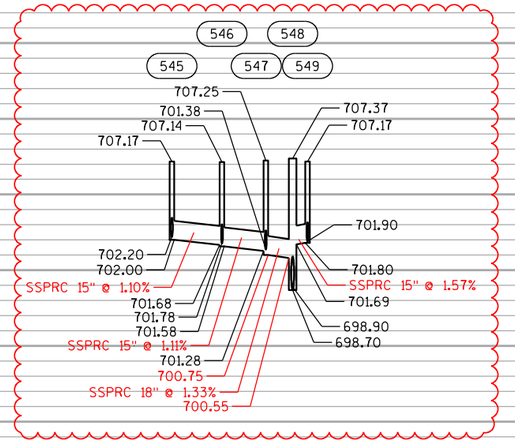






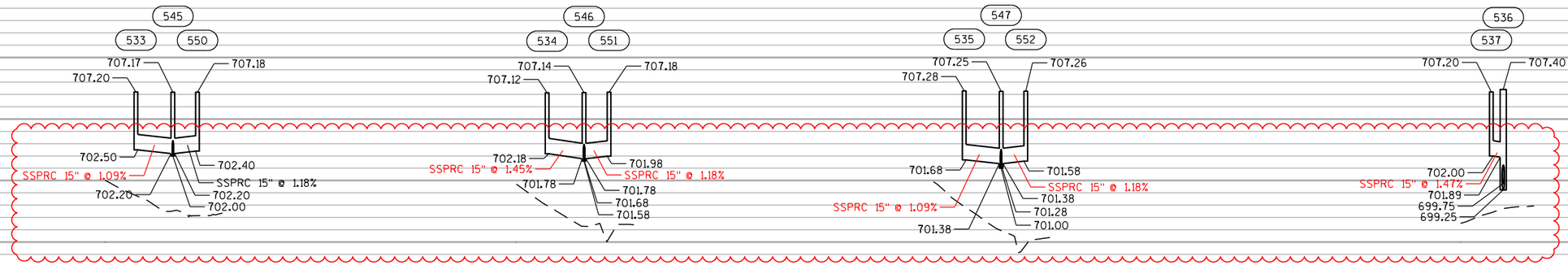


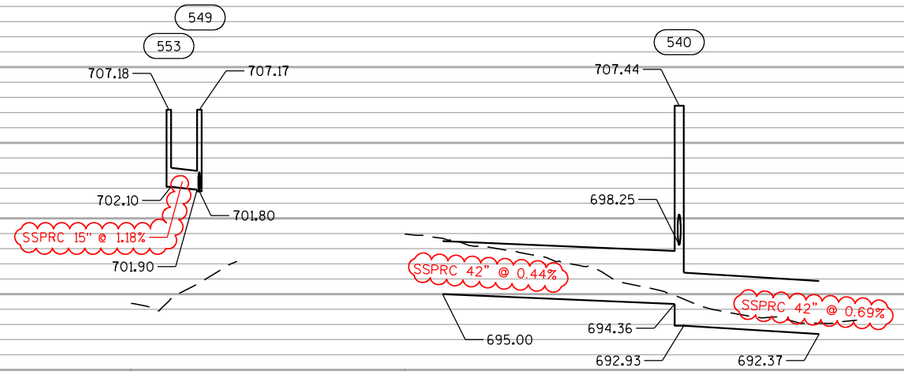




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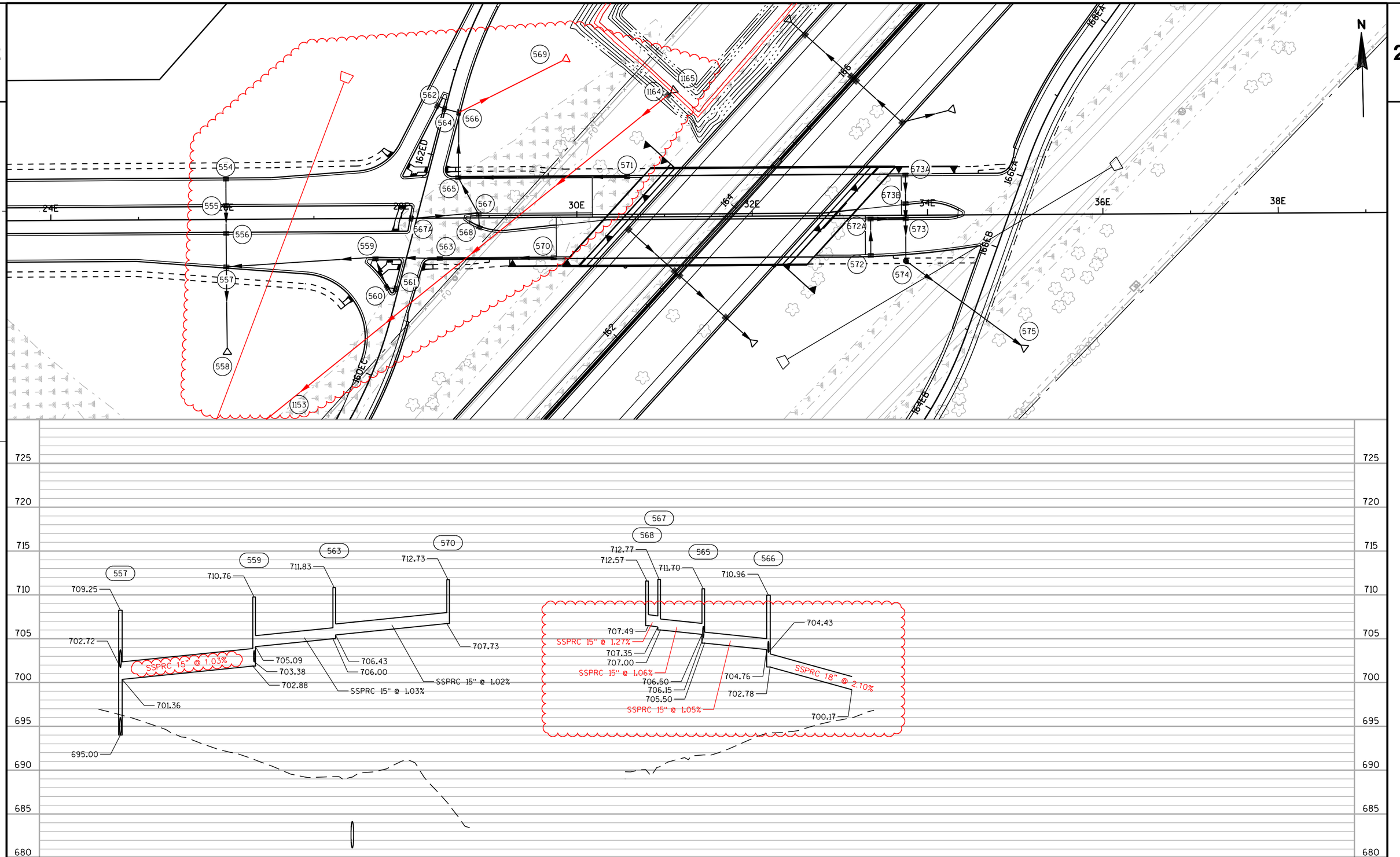
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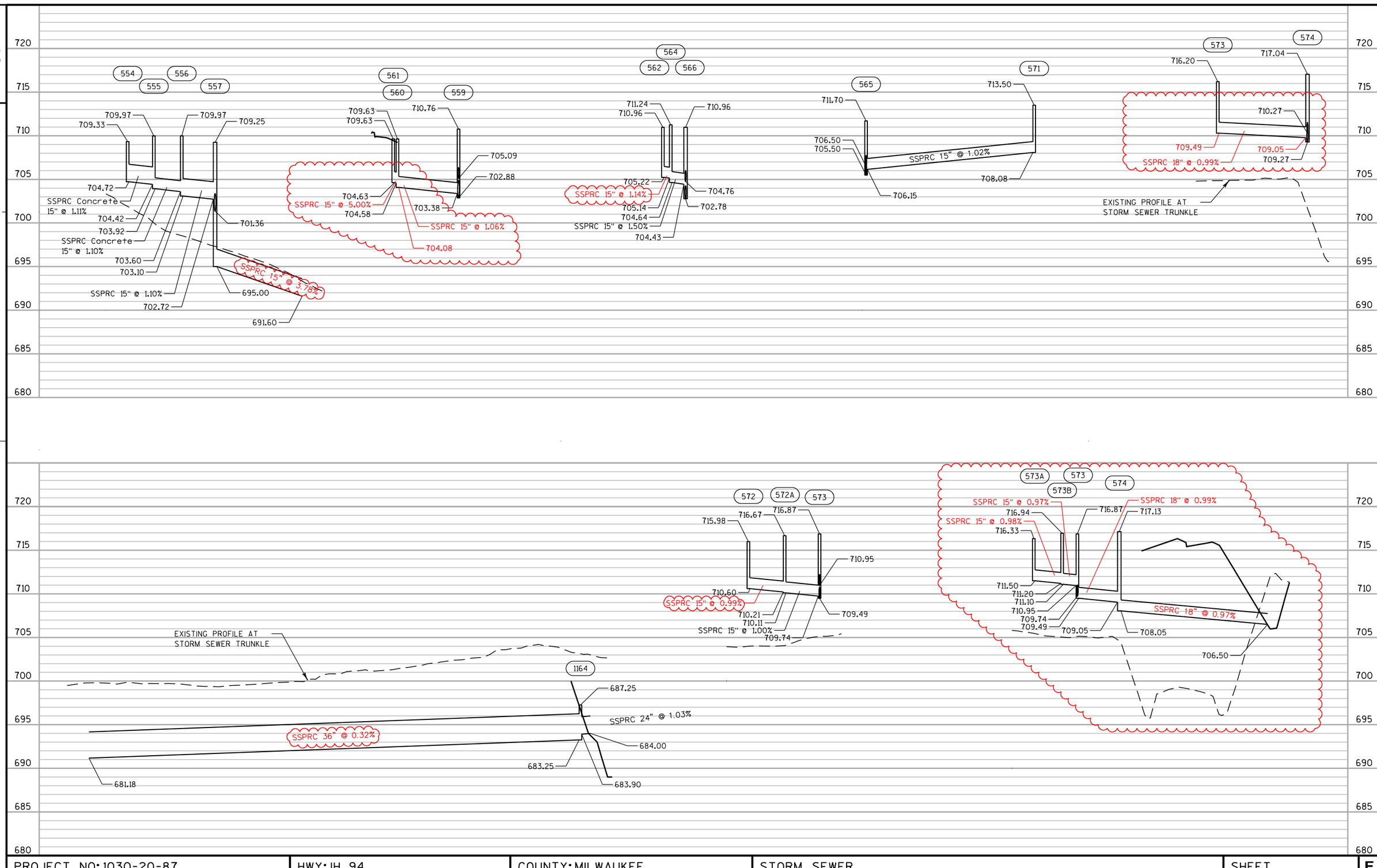
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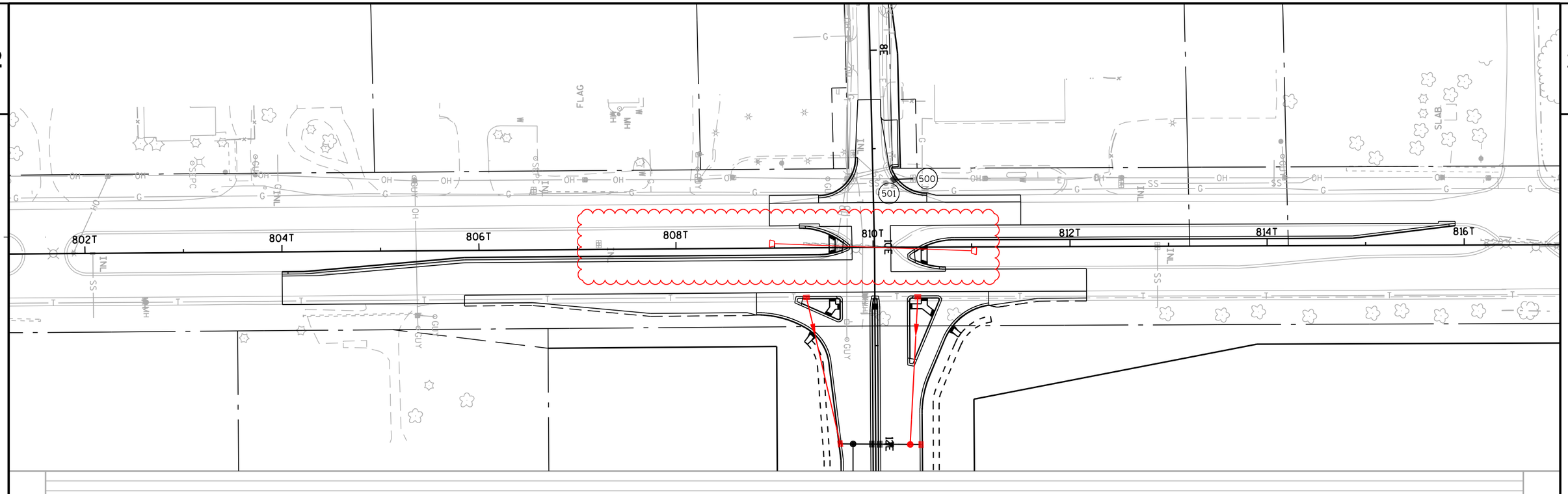
PROJECT NO: 1030-20-87	HWY: IIH 94	COUNTY: MILWAUKEE	STORM SEWER	SHEET	E

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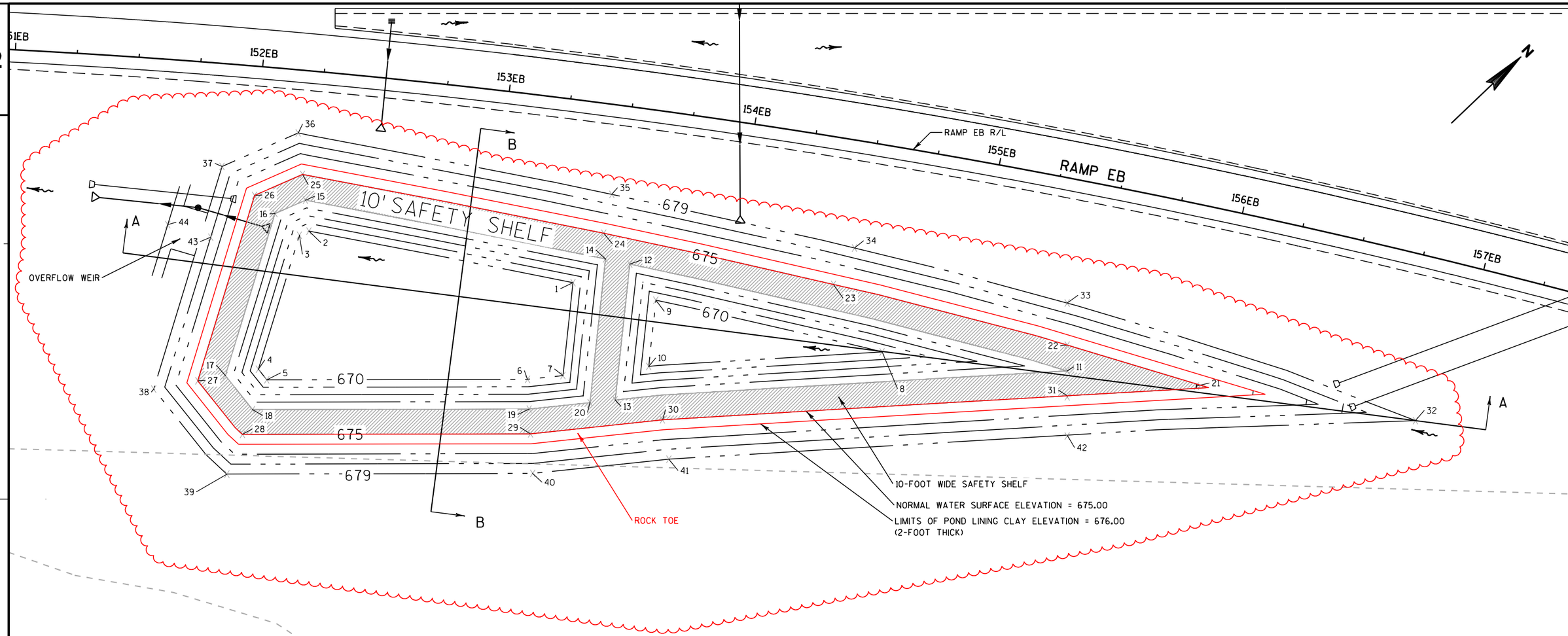
PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	STORM SEWER	SHEET	E

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NO STORM SEWER PROFILE THIS SHEET

PROJECT NO: 1030-20-87	HWY: IIH 94	COUNTY: MILWAUKEE	STORM SEWER	SHEET	E



GENERAL NOTES:

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2. EROSION CONTROL MEASURES SHOWN FOR REFERENCE ONLY. REFER TO EROSION CONTROL PLAN SHEETS FOR CONSTRUTION DETAILS.
3. IN ACCORDANCE WITH WISCONSIN STATUTE 182.0175, DAMAGE TO TRANSMISSION FACILITIES, EXCAVATOR SHALL BE SOLELY RESPONSIBLE TO PROVIDE ADVANCE NOTICE TO THE DESIGNATED "ONE-CALL SYSTEM" NOT LESS THAN THREE WORKING DAYS PRIOR TO COMMENCEMENT OF ANY EXCAVATION REQUIRED TO PERFORM WORK CONTAINED ON THIS DRAWING, AND FURTHER, EXCAVATOR SHALL COMPLY WITH ALL OTHER REQUIREMENTS OF THIS STATUTE RELATIVE TO EXCAVATOR'S WORK.
4. ALL UNDERGROUND STRUCTURES AND UTILITIES HAVE BEEN SHOWN TO A REASONABLE DEGREE OF ACCURACY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THEIR EXACT LOCATION AND DEPTH.

POND - BOTTOM

POINT	STATION	OFFSET		ELEV.
1	153+35.35	73.46'	RT	670.00
2	152+24.70	64.45'	RT	670.00
3	152+20.95	66.51'	RT	670.00
4	152+08.87	121.81'	RT	670.00
5	152+12.80	125.77'	RT	670.00
6	153+21.61	114.44'	RT	670.00
7	153+36.15	111.14'	RT	670.00
8	154+66.14	82.60'	RT	670.00
9	153+70.27	76.00'	RT	670.00
10	153+71.15	102.89'	RT	670.00

POND - TOE OF SAFETY SHELF

POINT	STATION	OFFSET		ELEV.
11	155+42.97	76.58'	RT	674.00
12	153+57.59	63.05'	RT	674.00
13	153+59.18	118.12'	RT	674.00
14	153+47.36	62.26'	RT	674.00
15	152+22.10	52.15'	RT	674.00
16	152+10.11	58.64'	RT	674.00
17	151+95.26	125.46'	RT	674.00
18	152+07.89	138.24'	RT	674.00
19	153+23.82	126.27'	RT	674.00
20	153+48.84	120.54'	RT	674.00

POND - TOP OF SAFETY SHELF

POINT	STATION	OFFSET		ELEV.
21	155+96.54	72.06	RT	675.00
22	155+40.91	66.33'	RT	675.00
23	154+41.73	58.95'	RT	675.00
24	153+45.30	52.07'	RT	675.00
25	152+19.95	41.90'	RT	675.00
26	152+01.14	52.06'	RT	675.00
27	151+83.90	128.47'	RT	675.00
28	152+04.56	148.56'	RT	675.00
29	153+25.68	136.12'	RT	675.00
30	153+79.98	123.43'	RT	675.00
31	155+45.05	86.82'	RT	675.00

POND - TOP

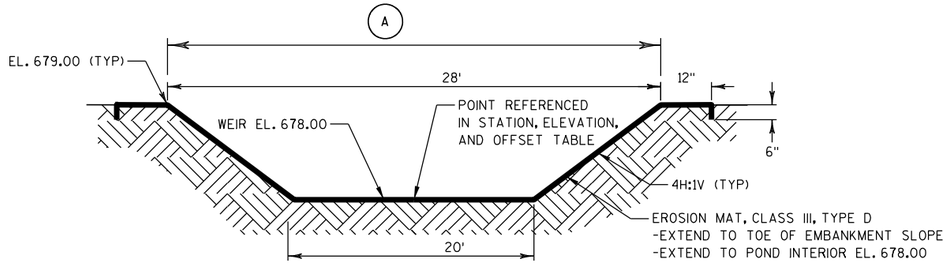
POINT	STATION	OFFSET		ELEV.
32	156+87.79	65.73'	RT	679.00
33	155+37.58	49.69'	RT	679.00
34	154+47.82	43.08'	RT	679.00
35	153+46.47	36.11'	RT	679.00
36	152+16.60	25.50'	RT	679.00
37	151+86.85	41.49'	RT	679.00
38	151+65.67	133.18'	RT	679.00
39	151+99.40	165.05'	RT	679.00
40	153+28.67	151.85'	RT	679.00
41	153+85.01	138.78'	RT	679.00
42	155+48.35	102.02'	RT	679.00

NOTE: POND STATION AND OFFSETS ARE FROM RAMP EB R/L

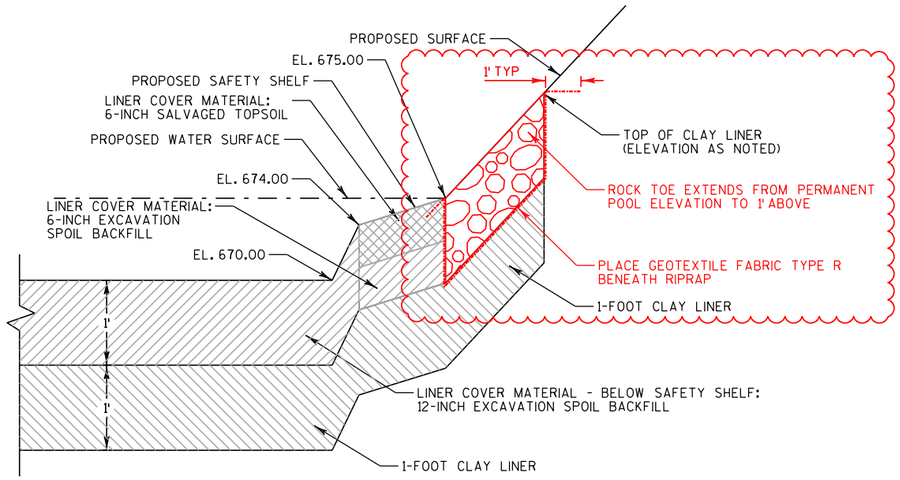
OVER FLOW WEIR

POINT	STATION	OFFSET		ELEV.
43	151+84.53	70.29	RT	678.00
44	151+66.48	66.57	RT	678.00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	SOUTHEAST WET DETENTION POND	SHEET	E

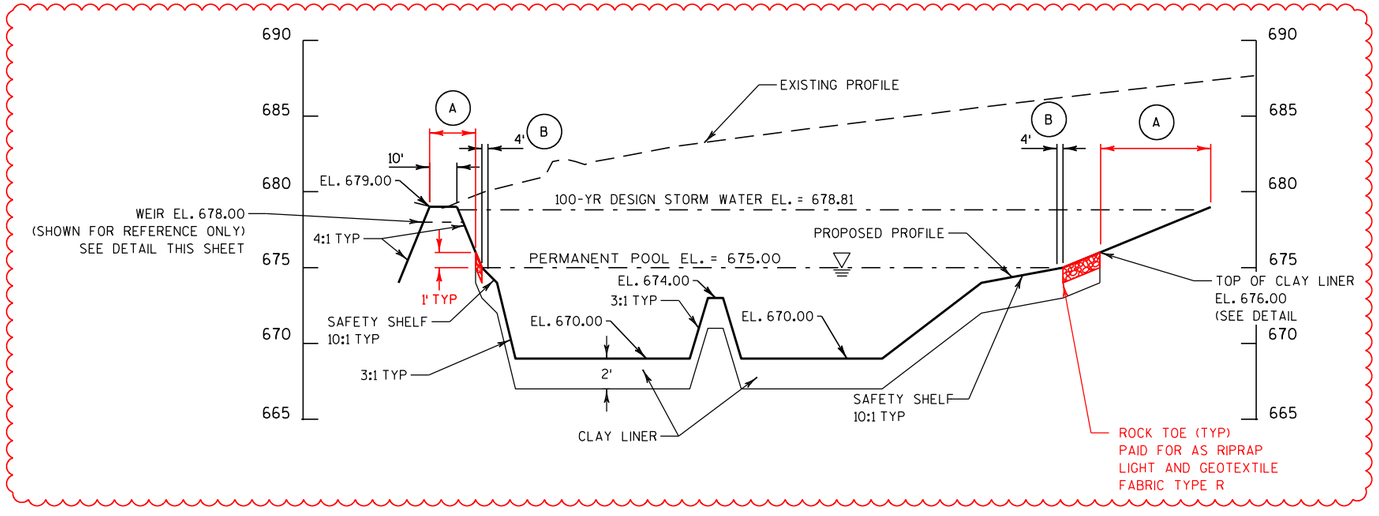


TYPICAL OVERFLOW WEIR SECTION
SOUTHEAST DETENTION POND



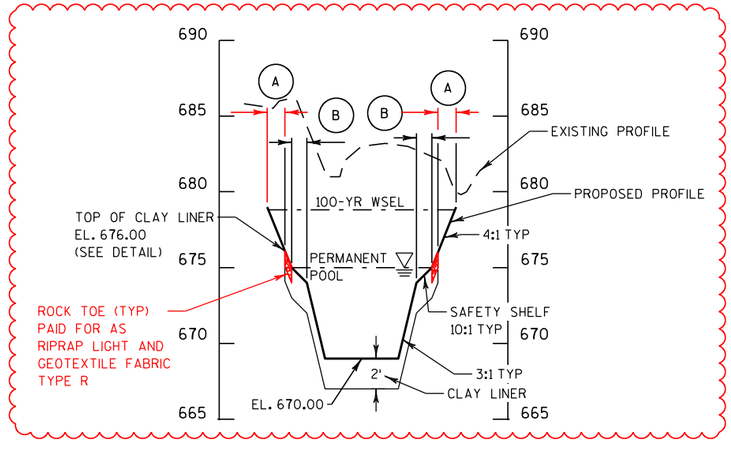
CLAY LINER DETAIL

N. T. S.



SECTION A-A
PROPOSED TYPICAL SECTION
SOUTHEAST DETENTION POND

(LOOKING WEST)
STA: 151+49 TO 157+17
RAMP EB



SECTION B-B
PROPOSED TYPICAL SECTION
SOUTHEAST DETENTION POND

(LOOKING NORTH)
STA: 152+90
RAMP EB

NOTES:

APPROXIMATE LOCATION OF ROOTSTOCK SHOWN. COORDINATE WITH WISDOT ENVIRONMENTAL UNIT TO FINALIZE LOCATION AND LAYOUT OF ROOTSTOCK VEGETATION PLANTINGS.

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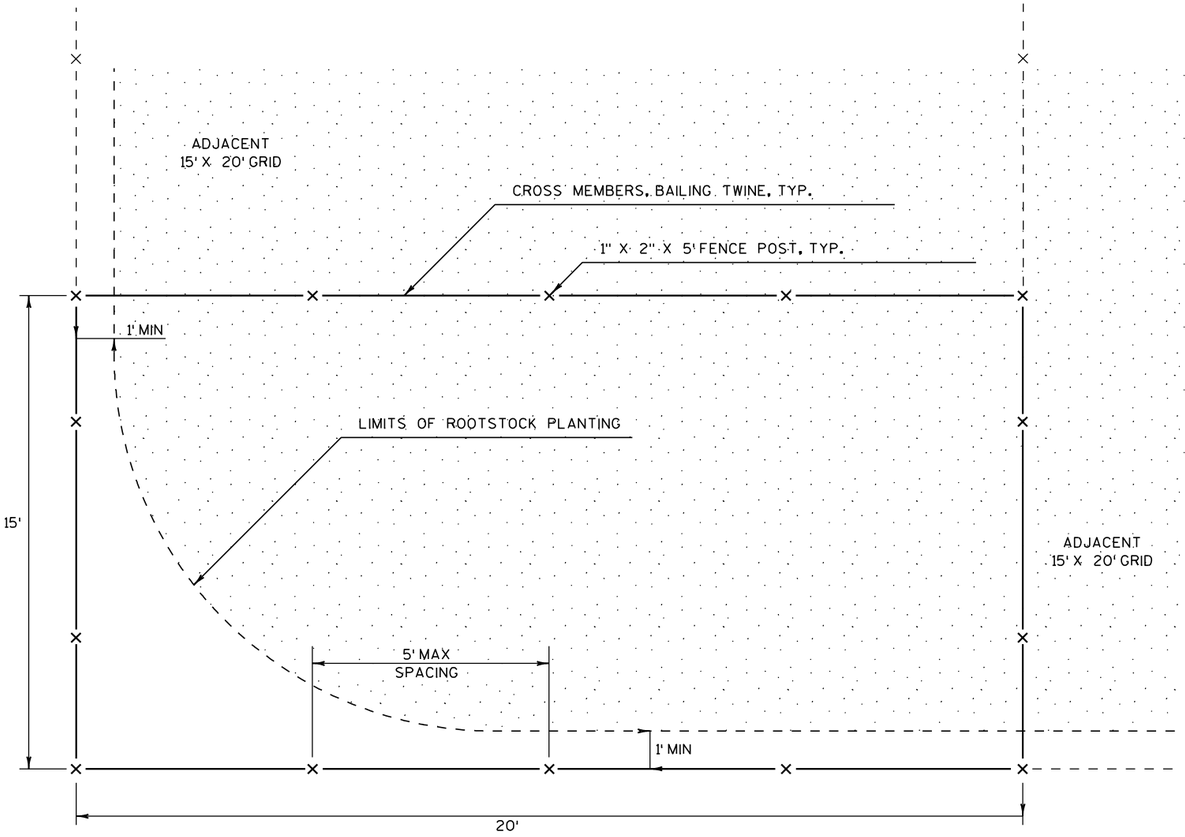
LEGEND

A — SEED MIX NO 10, FERTILIZER TYPE B, 6" SALVAGED TOPSOIL, & EROSION MAT, URBAN, CLASS I, TYPE B

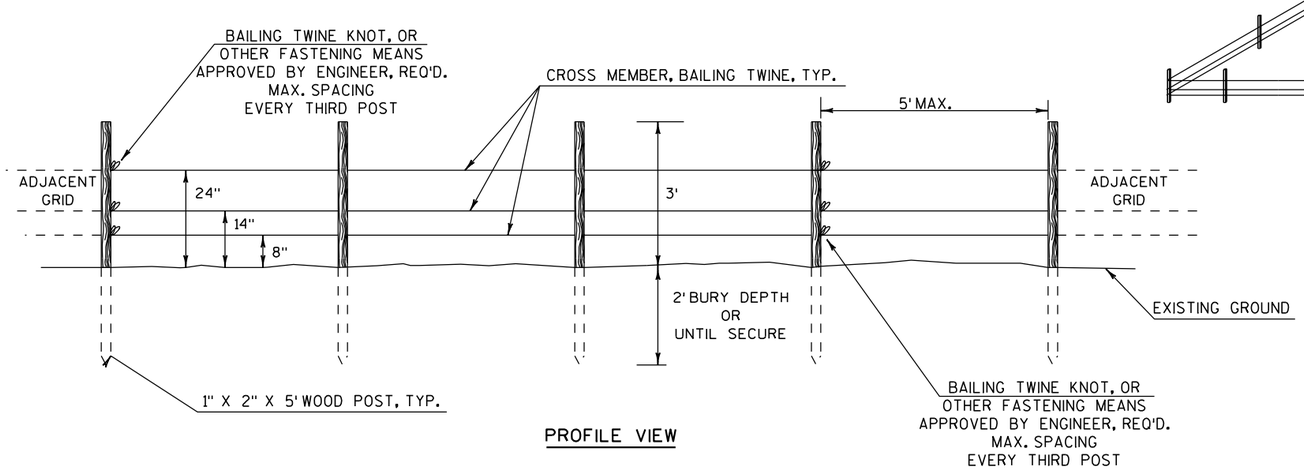
B — ROOTSTOCK, ROOTSTOCK PROTECTION (SEE NOTE)

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	SOUTHEAST WET DETENTION POND	SHEET	E

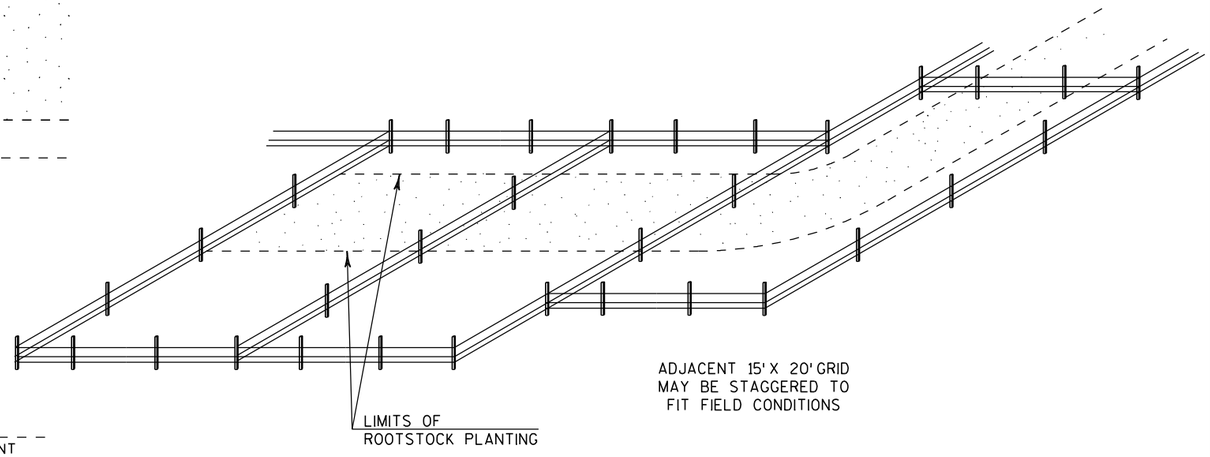
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PLAN VIEW



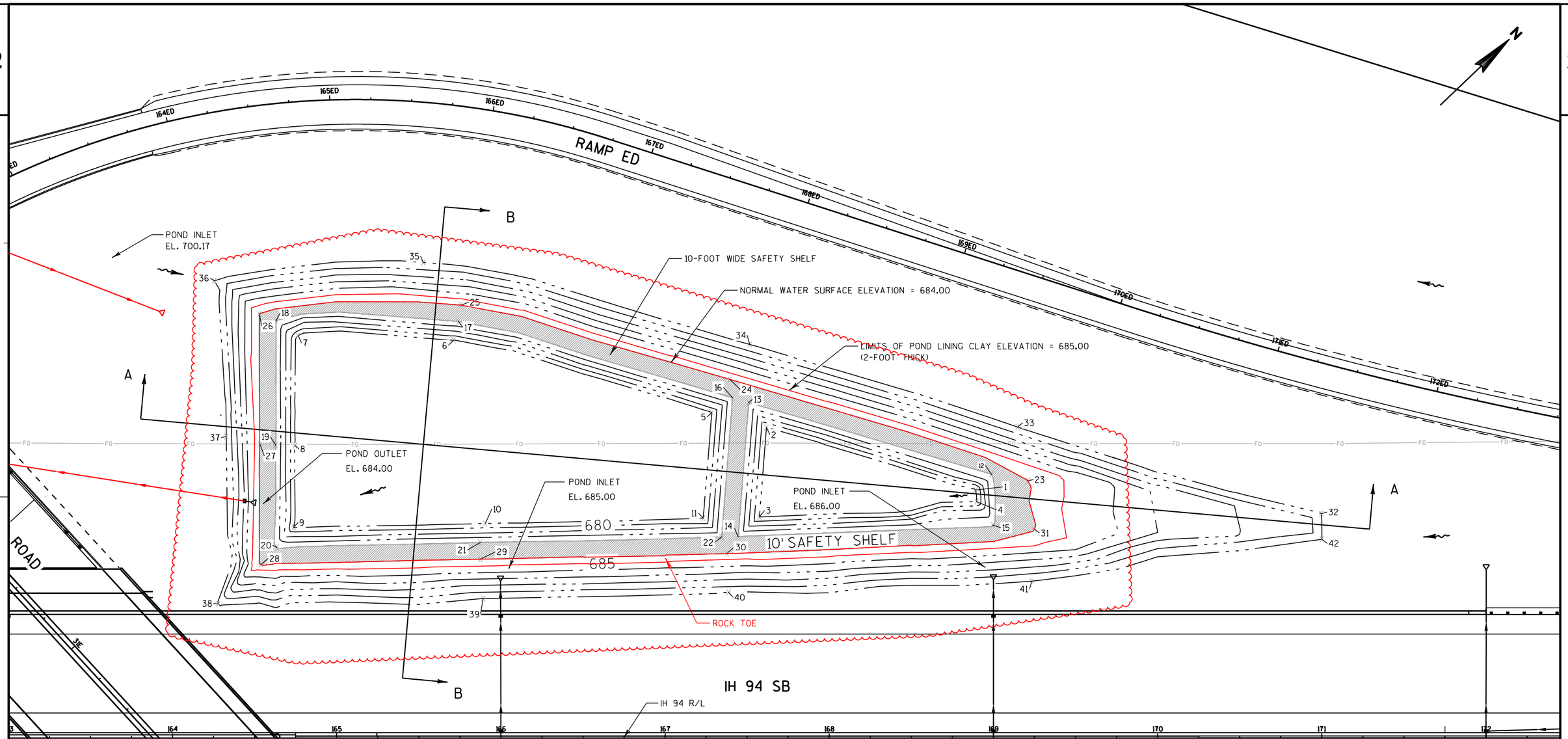
PROFILE VIEW



ISOMETRIC VIEW

ROOTSTOCK PROTECTION

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	SOUTHEAST WET DETENTION POND	SHEET	E



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POND - BOTTOM				
POINT	STATION	OFFSET		ELEV.
1	168+89.16	151.00'	LT	679.00
2	167+61.83	189.14'	LT	679.00
3	167+57.47	134.63'	LT	679.00
4	168+89.76	143.94'	LT	679.00
5	167+28.44	198.19'	LT	679.00
6	165+71.22	242.24'	LT	679.00
7	164+76.57	244.92'	LT	679.00
8	164+74.56	178.06'	LT	679.00
9	164+73.83	128.16'	LT	679.00
10	165+90.50	130.63'	LT	679.00
11	167+23.30	133.86'	LT	679.00

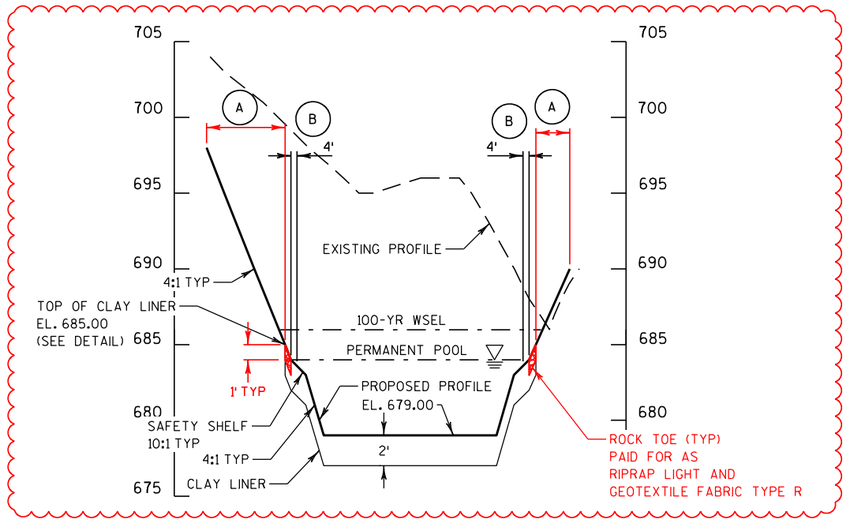
POND - TOE OF SAFETY SHELF				
POINT	STATION	OFFSET		ELEV.
12	168+98.81	160.55'	LT	683.00
13	167+50.99	204.25'	LT	683.00
14	167+44.49	122.73'	LT	683.00
15	168+99.76	129.64'	LT	683.00
16	167+41.19	207.13'	LT	683.00
17	165+74.15	253.66'	LT	683.00
18	164+63.11	254.17'	LT	683.00
19	164+62.91	178.31'	LT	683.00
20	164+63.57	116.05'	LT	683.00
21	165+87.51	119.05'	LT	683.00
22	167+34.43	122.40'	LT	683.00

POND - TOP OF SAFETY SHELF				
POINT	STATION	OFFSET		ELEV.
23	169+21.76	156.88'	LT	684.00
24	167+39.53	218.29'	LT	684.00
25	165+75.79	263.53'	LT	684.00
26	164+52.95	258.29'	LT	684.00
27	164+53.21	179.07'	LT	684.00
28	164+53.95	105.67'	LT	684.00
29	165+87.53	108.88'	LT	684.00
30	167+37.65	112.33'	LT	684.00
31	169+24.82	127.28'	LT	684.00

POND - TOP				
POINT	STATION	OFFSET		ELEV.
32	170+99.74	136.60'	LT	690.00
33	169+14.70	189.32'	LT	690.00
34	167+51.70	239.58'	LT	690.00
35	165+52.71	289.54'	LT	690.00
36	164+25.49	278.39'	LT	690.00
37	164+25.49	183.61'	LT	690.00
38	164+27.92	81.70'	LT	690.00
39	165+89.27	84.97'	LT	690.00
40	167+38.77	88.70'	LT	690.00
41	169+23.36	95.49'	LT	690.00
42	171+00.08	121.03'	LT	690.00

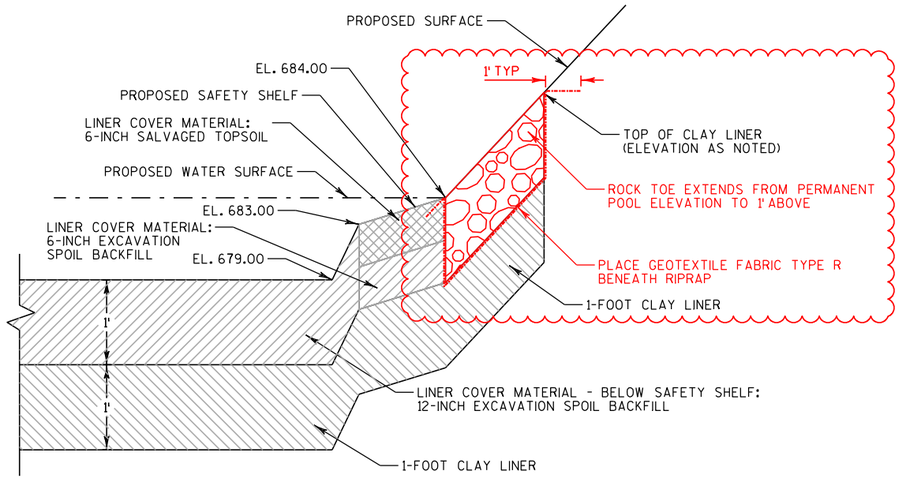
NOTE: POND STATION AND OFFESTS ARE FROM IH 94 R/L

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	NORTHWEST WET DETENTION POND	SHEET	E



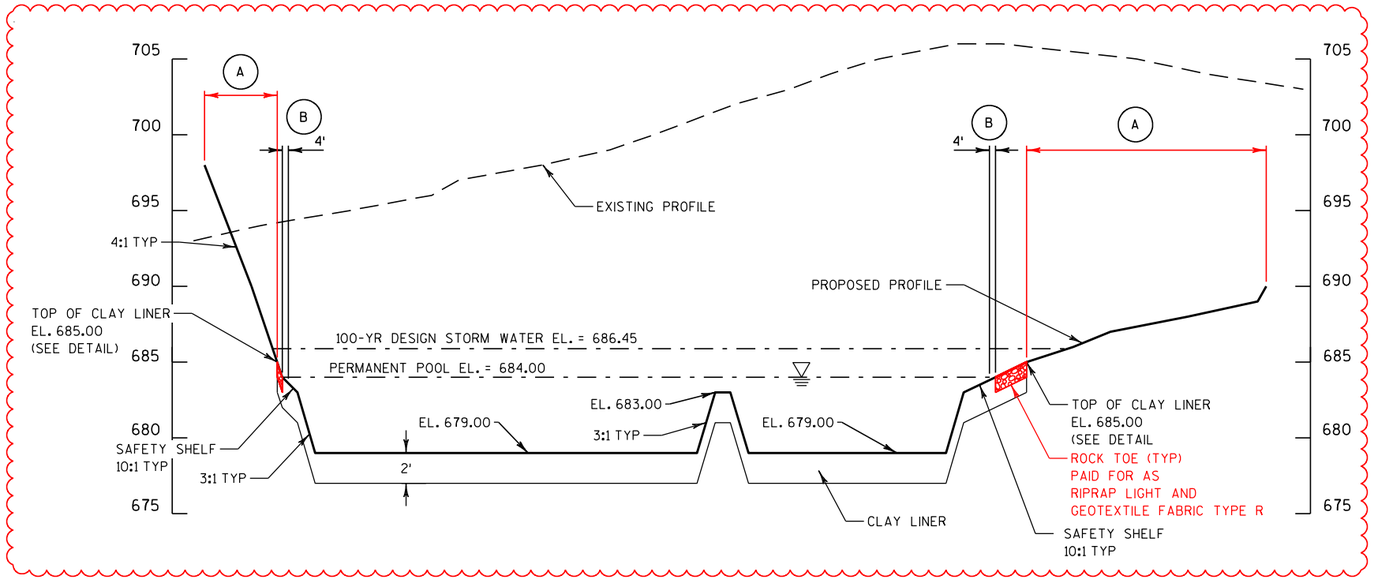
SECTION B-B
PROPOSED TYPICAL SECTION
NORTHWEST DETENTION POND

(LOOKING NORTH)
STA: 165+40
ISH 94 SB



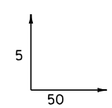
CLAY LINER DETAIL

N. T. S.



SECTION A-A
PROPOSED TYPICAL SECTION
NORTHWEST DETENTION POND

(LOOKING WEST)
STA: 163+81 TO 171+29
ISH 94 SB



LEGEND

(A) SEED MIX NO 10, FERTILIZER TYPE B, 6" SALVAGED TOPSOIL, & EROSION MAT, URBAN, CLASS 1, TYPE B

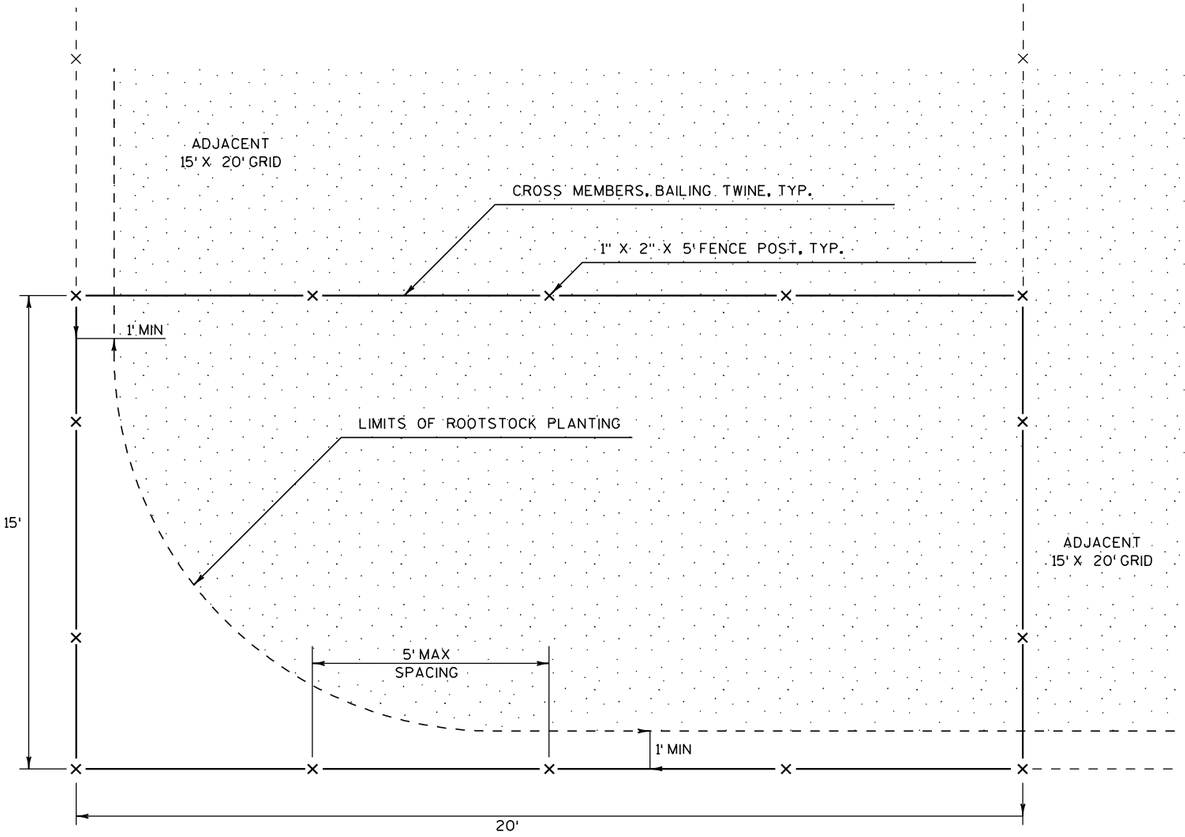
(B) ROOTSTOCK, ROOTSTOCK PROTECTION (SEE NOTE)

NOTES:

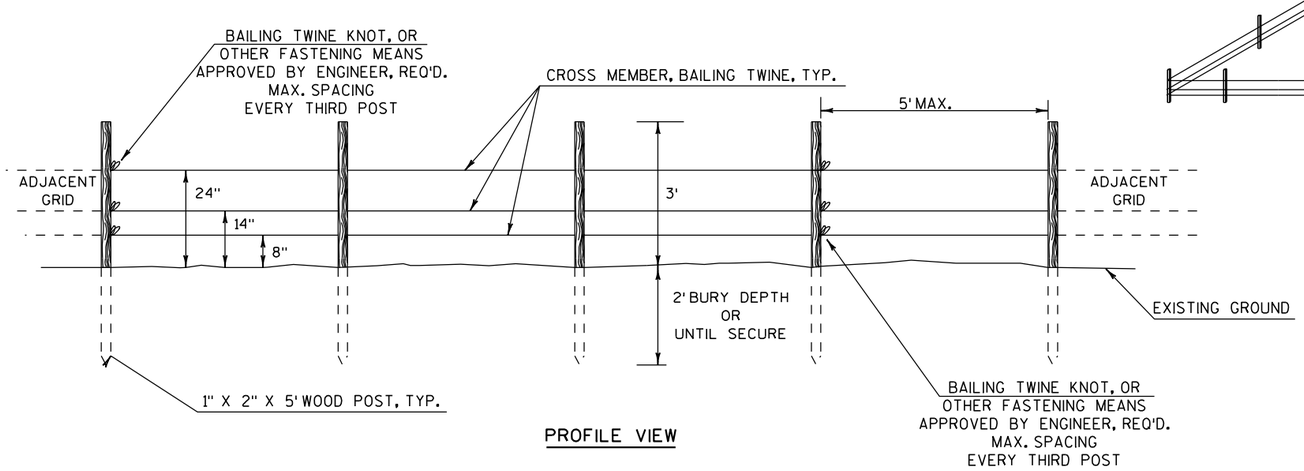
APPROXIMATE LOCATION OF ROOTSTOCK SHOWN. COORDINATE WITH WISDOT ENVIRONMENTAL UNIT TO FINALIZE LOCATION AND LAYOUT OF ROOTSTOCK VEGETATION PLANTINGS.

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	NORTHWEST WET DETENTION POND	SHEET	E

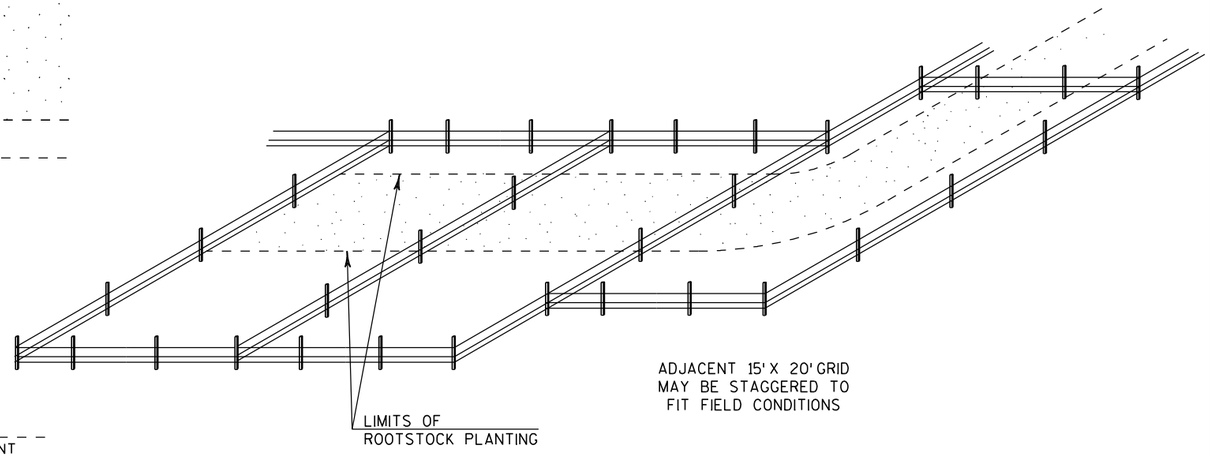
2



PLAN VIEW



PROFILE VIEW



ISOMETRIC VIEW

ROOTSTOCK PROTECTION

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	NORTHWEST WET DETENTION POND	SHEET	E

2

EXIT 326

To 241
Seven Mile
Road
Exit ↗ Only

STATION
163+50
S-51-22

INSTALLED UNDER 1035-01-74
SEVEN MILE ROAD PROJECT

IH 94 SB

1254 1256 1258 1260 1262 1264 1266 1268

IH 94 NB

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (XXX) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN

FOOD - EXIT - 325

LODGING - EXIT - 325

REMOVE BY WISC BUSINESS LOGOS
1-800-345-5772
THIS SIGN IS FOR
BUSINESSES @ RYAN RD.
(NOT PERMITTED FOLLOWING
INSTALLATION OF ELM RD.
INTERCHANGE)

EXIT 325

241 NORTH
27TH STREET

SIGN REMOVED UNDER
1035-01-74
SEVEN MILE ROAD PROJECT

EXIT 324 (138A)

TO 241
Elm Rd
TO 27th St
3/4 MILE (138)

TYPE I SIGN
ON STEEL POSTS

SHEET 1 OF 18

PROJECT NO: 1030-20-87	HWY: IH-94	COUNTY: MILWAUKEE	PERMANENT SIGNING	SHEET	E

788T

27TH STREET

786T

ESTR PART OF 1035-01-82

Racine Co

I2-2(5)

ROOT R

W5-533(2S)
STORM DRAIN INLETS
IN MEDIAN

154 155

MISCELLANEOUS
UNDISTRIBUTED

149 150

151 152

R3-4

R3-4A
REMOVE

1

LOGO LOGO
TRAVEL
INFO
CALL 511

D12-5(5)
MOVED FROM
STA. 144+00
(SEE SHEET 3)

W5-533(2S)
STORM DRAIN
INLETS IN MEDIAN
STA 142+25

147 148

153

SOUTH MB3-3 INTERSTATE 41 M1-1

EAST MB3-2 INTERSTATE 94 M1-1

SOUTH M3-3 41 M1-4

J4-3(5)

EAST 94 MILE 325 0

157

D10-5(5)
MOVE
SIGNS PLACED
UNDER 1035-01-82

SPEED LIMIT 70

156

R2-1(5)

BEGIN PROJECT
STA. 131+34.26

B-90-801

B-40-800

IH-94 SB

IH-94 NB

1290 1292

132 134 136 138 140 142

PROJECT
1035-01-82(SB)
&
1035-01-83(NB)

Milwaukee Co

I2-2(5)

ESTR PART OF 1035-01-82

139

WEST 94 MILE 325 0

D10-5(5)
MOVE
SIGNS PLACED
UNDER 1035-01-82

HOSPITAL
EXIT 324

140

E10-61
TYPE I SIGN
ON STEEL POSTS

141

WEST 94 MILE 324 9

D10-5

142

EAST 94 MILE 324 9

D10-5

REMOVE

143

CITY OF
Oak Creek

TYPE II SIGN
MOVE

144

LOGO LOGO
TRAVEL
INFO
CALL 511

D12-5
REMOVE

S-40-590
STA. 142+00
SIGN BRIDGE

EXIT 324

145A

To 241
Elm Rd
To 27 th St

EXIT ONLY

145

E6-1
TYPE I SIGN
ON SIGN BRIDGE

NORTH MB3-1 INTERSTATE 41 M1-1

WEST MB3-4 INTERSTATE 94 M1-1

WEST M3-4 41 M1-4

229

J4-3
REMOVE

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (XXX) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN

SHEET 2 OF 18

PROJECT NO: 1030-20-87	HWY: IH-94	COUNTY: MILWAUKEE	PERMANENT SIGNING	SHEET	E

2

N

1
TRAVEL INFO CALL 511
D12-5(5)
MOVE TO STA. 141+00

EAST 94 MILE 324 8
D10-5(5)
REMOVE

3
EAST 94 MILE 324 8
D10-5(5)
TOP OF BARRIER WALL

EXIT 326
Seven Mile Rd
1 MILE
REMOVE

4A
EXIT 326
4
To 241
Seven Mile Rd
1 MILE
E1-1A
TYPE I SIGN ON STEEL POSTS

5
W4-1(5)

6
WEST 94 MILE 324 6
D10-5(5)
TOP OF BARRIER WALL

7
EAST 94 MILE 324 6
D10-5(5)
TOP OF BARRIER WALL

144EC 146EC 148EC 150EC 152EC 154EC 156EC
IH-94 SB
RAMP EC
144 146 148 150 152 154 156
IH-94 NB
148EB 150EB 152EB 154EB 156EB 158EB
RAMP EB
EXISTING IH-94 NB
SIGN
NOIS

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN

2
WEST 94 MILE 324 8
D10-5(5)
TOP OF BARRIER WALL

WEST 94 MILE 324 7
D10-5(5)
REMOVE

158
WEST 94 MILE 324 7
D10-5
REMOVE

159
W5-53(2S)
4' MOUNTING HEIGHT

160
EXIT 324
E5-1A(5)
TYPE II

160B
W5-54(2M)

160A
W5-54(2M)

161
W3-1(2S)

162
TRAVEL INFO CALL 511
D12-5(2)

163
Elm Rd
WEST EAST
D1-60(2S)
COVER PLAQUE

SHEET 3 OF 18

PROJECT NO: 1030-20-87	HWY: IH-94	COUNTY: MILWAUKEE	PERMANENT SIGNING	SHEET	E

FILE NAME : J:\projects\d2_10302094\87\Sign\023203_ps.dgn PLOT DATE : 14-JUN-2018 07:58 PLOT BY : dotshw PLOT NAME : PLOT SCALE : 100:1

2

(8) PEDESTRIANS BICYCLES (NON MOTORIZED TRAFFIC) MOTOR BICYCLES PROHIBITED
R5-57(5)

TEMPORARY RAMP INSTALLED UNDER 1030-20-87 CONNECTED TO EXISTING IH-94

FUTURE RAMP EC

158EC

RAMP EC

160EC

ELM ROAD

162ED

RAMP ED

164ED

166ED

168ED

(16) R3-2(2S)

(17) (18) WRONG WAY
R5-1A(3)

(19) ONLY ONLY
R3-8D

(22) RIGHT LANE ENDS
W9-1R(5)
COVER SIGN TEMPORARILY

COVER PLAQUE GREEN

(179) Oak Creek / Franklin
D1-2(2S)

(20) TO 27th St
D1-1(MOD)

(21) Chicago 73
D2-1
MOVE
TYPE II SIGN

(24) EAST (94) MILE 324 4
D10-5(5)
BETWEEN BARRIER WALL

EAST (94) MILE 324 4
D10-5
REMOVE

158

160

162

164

166

168

170

IH-94 SB

IH-94 NB

JOE

LEP ROAD

(164) TO 27th St
D1-1(MOD)

(165) RIDESHARE INFORMATION www.rideshare.wi.gov
D12-2B(5)

(129) EAST (94) MILE 324 5
D10-5
REMOVE

(177) (178) DO NOT ENTER
R5-1(3)

(177A) (178A) WRONG WAY
R5-1A(2S)
3' MOUNTING HEIGHT

158EB

160EB

162EB

164EB

RAMP EB

166EB

166EA

168EA

RAMP EB

170EA

EXISTING IH-94 NB

(23) WEST (94) MILE 324 4
D10-5(5)
BETWEEN BARRIER WALL

WEST (94) MILE 324 4
D10-5
REMOVE

(173) RIDESHARE INFO CALL 1-800-455-POOL
D12-2A(5)

(175) W4-2R(2S)

(176) W4-1(5)

(166) ONLY ONLY
R3-8E

(167) WEST (94) MILE 324 5
D10-5
REMOVE

(168) TO M4-5 241 M1-6
M6-1
J3-1(2)

(169) (170) WRONG WAY
R5-1A(3)

(171) H
D9-2(2S)
MB6-1(2S)
J3-1

(172) Franklin / Oak Creek
D1-2(2S)
COVER PLAQUE GREEN

(174) PEDESTRIANS BICYCLES (NON MOTORIZED TRAFFIC) MOTOR BICYCLES PROHIBITED
R5-57(5)

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (XXX) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN

SHEET 4 OF 18

PROJECT NO: 1030-20-87	HWY: IH-94	COUNTY: MILWAUKEE	PERMANENT SIGNING	SHEET	E

TO
M4-5
241
M1-6
M6-1
J3-1(2)
32

TEMPORARY COVER PLAQUE
Elm Rd
EAST WEST
D1-60(2S)
31

EAST 94 MILE 324 2
D10-5
REMOVE

EAST 94 MILE 324 2
D10-5(5)
BARRIER WALL
27

EXIT 324
E5-1A(5)
29
29A
29B
W5-54(2M)
W5-54(2M)

30
W3-1(2S)

28
W5-53(2S)
4' MOUNTING HEIGHT

172ED
RAMP ED
174ED
176ED
178ED
180ED
182ED
184ED
186

IH-94 SB
IH-94 NB
172
174
176
178
180
182
184
182A

FUTURE RAMP EA
172EA
174EA
176EA
178EA
180EA
182EA

EMERGENCY STOPPING ONLY
R8-7
REMOVE
130

WEST 94 MILE 324 2
D10-5
REMOVE

WEST 94 MILE 324 2
D10-5(5)
BARRIER WALL
26

EXISTING IH-94 NB

SIGN

WEST 94 MILE 324 3
D10-5
REMOVE
180

WEST 94 MILE 324 1
D10-5
REMOVE
181

182A
EXIT 322
100
Ryan Rd
1 MILE
182
E10-61
TYPE I SIGN
ON STEEL POSTS

EXIT 322
100
Ryan Rd
1 MILE
E10-61
TYPE I SIGN
REMOVE

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN

SHEET 5 OF 18

PROJECT NO: 1030-20-87	HWY: IH-94	COUNTY: MILWAUKEE	PERMANENT SIGNING	SHEET	E

EAST 94 MILE 324 0 — D10-5 — REMOVE

EAST 94 MILE 324 0 — 35 — D10-5(5) — BETWEEN BARRIER WALL

131 — Chicago 73 — D1-1 — REMOVE

EXIT 324 — 140A
To 241
Elm Rd
To 27 th St — 140
EXIT ↗ ONLY
INSTALL TYPE I SIGN ON SIGN BRIDGE

EAST 94 MILE 323 9 — D10-5 — 230 — REMOVE

SB BRIDGE BUILT UNDER PROJECT 1030-20-87

S-40-591
STA. 188+75
SIGN BRIDGE

STA. 191+25
END TAPER

STA. 192+75
START TAPER

IH-94 SB

IH-94 NB

Oakwood Rd 10300 SOUTH — REMOVE

Oakwood Rd 10300 SOUTH — 36 — M1-94 TYPE II SIGN

40 — W5-52R(5) 4' HEIGHT

41 — W5-52L(5) 4' HEIGHT MOUNT ON WALL

39 — EAST 94 MILE 323 8 — D10-5(5) — BARRIER WALL

EAST 94 MILE 323 8 — D10-5 — REMOVE

NORTH MB3-1 INTERSTATE 41 — M1-1
WEST MB3-4 INTERSTATE 94 — M1-1
NORTH M3-1 41 — M1-4
J4-3(5) — 183

WEST 94 MILE 324 0 — D10-5 — REMOVE

WEST 94 MILE 324 0 — 34 — D10-5(5) — BETWEEN BARRIER WALL

SPEED LIMIT 70 — R2-1(5) — 184

OVERSIZE TRUCKS BY-PASS USE EXIT 322 — 185 — TYPE I SIGN ON STEEL POSTS

OVERSIZE TRUCKS BY-PASS USE EXIT 322 — REMOVE

186 — WEST 94 MILE 323 9 — D10-5 — REMOVE

187 — W5-52L(5) 4' HEIGHT

188 — W5-52R(5) 4' HEIGHT

Oakwood Rd 10300 SOUTH — 37 — M1-94 TYPE II SIGN

Oakwood Rd 10300 SOUTH — REMOVE

38 — WEST 94 MILE 323 8 — D10-5(5) — BARRIER WALL

WEST 94 MILE 323 8 — D10-5 — REMOVE

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (XXX) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN

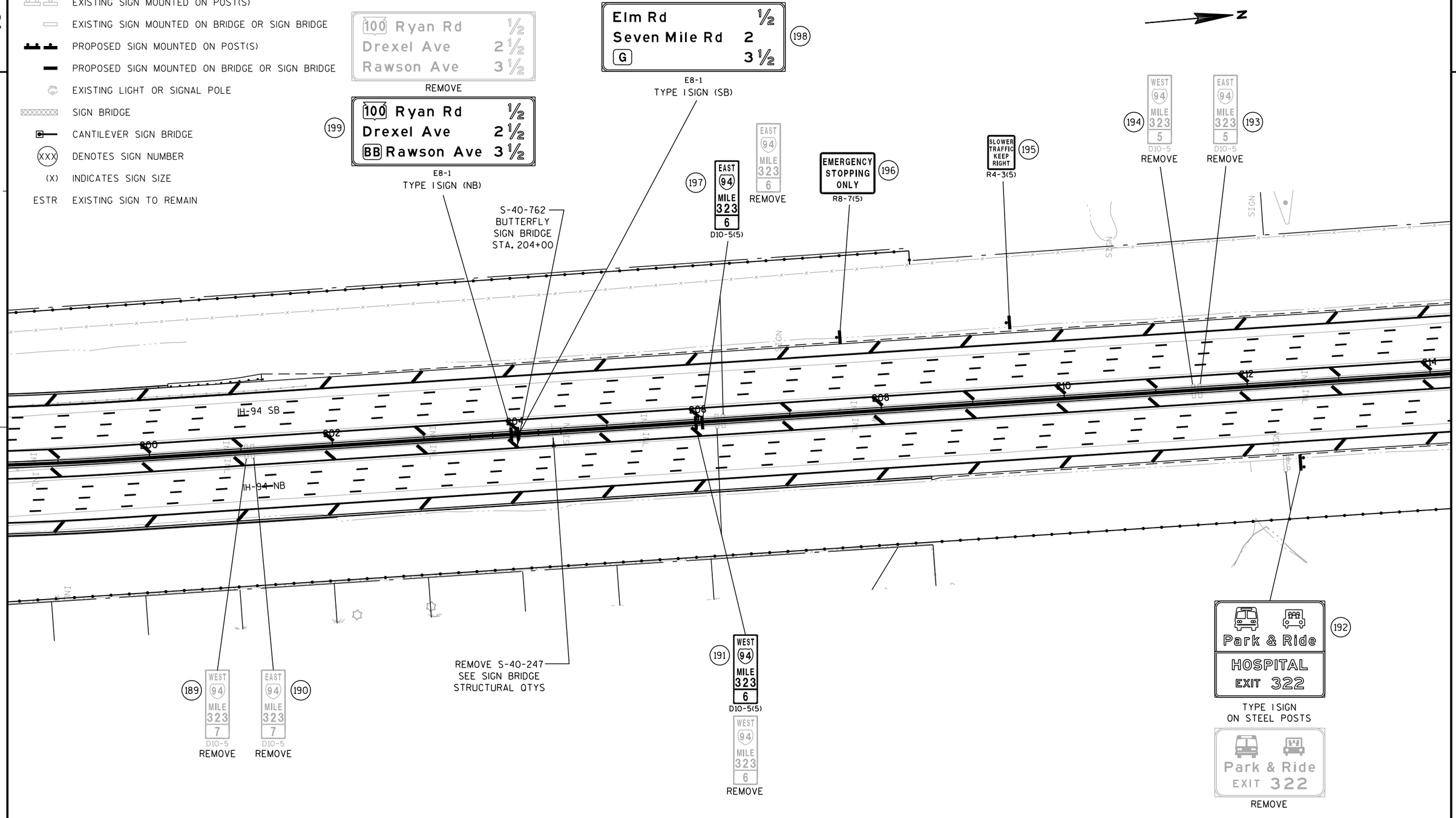
PROJECT NO: 1030-20-87	HWY: IH-94	COUNTY: MILWAUKEE	PERMANENT SIGNING	SHEET	E

FILE NAME : J:\projects\d2_10302094\87\Sign\023206_ps.dgn
PLOT DATE : 14-JUN-2018 07:59
PLOT BY : dotshw
PLOT NAME :
PLOT SCALE : 100:1
WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (XXX) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN



SHEET 7 OF 18

PROJECT NO: 1030-20-87	HWY: IH-94	COUNTY: MILWAUKEE	PERMANENT SIGNING	SHEET	E

EXIT 324 (42A)

TO 241

Elm Rd

TO 27th St

3/4 MILE (42)

INSTALL TYPE I SIGN
ON STEEL POSTS

EAST 94 MILE 323 4
D10-5
REMOVE

(201) EAST 94 MILE 323 4
D10-5(5)

IH-94 SB

IH-94 NB

PROJECT
1030-20-84

(200) WEST 94 MILE 323 4
D10-5(5)

WEST 94 MILE 323 4
D10-5
REMOVE

HOSPITAL
EXIT 322
(202)
E10-61
TYPE I SIGN ON STEEL POSTS

HOSPITAL
EXIT 322
REMOVE

EXIT 322
100
Ryan Rd
TYPE I SIGN
TO BE REMOVED
UNDER PROJECT
1030-20-84

(203) WEST 94 MILE 323 3
D10-5
REMOVE

(204) EAST 94 MILE 323 3
D10-5
REMOVE

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN

SHEET 8 OF 18

PROJECT NO: 1030-20-87	HWY: IH-94	COUNTY: MILWAUKEE	PERMANENT SIGNING	SHEET	E

FILE NAME : J:\projects\d2_10302094\87\Sign\023208_ps.dgn PLOT DATE : 14-JUN-2018 07:59 PLOT BY : dotshw PLOT NAME : PLOT SCALE : 100:1

2

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (XXX) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN

N

R4-7
ESTR

SPEED LIMIT 45
R2-1
ESTR

OH

INL

S. 27TH STREET

799T 800T 801T 802T 803T 804T 805T

SIGN

43 44
NEW TRAFFIC PATTERN AHEAD
W23-2(3)
PLACE AT STATION 797+50
18x18 FLAGS INCIDENTAL

SOUTH TO MB4-5 INTERSTATE 41 M1-1 MB5-1R
EAST TO MB4-5 INTERSTATE 94 M1-1 MB5-1R
45A 45B TEMPORARY MB3-2 SEPARATE PLAQUES
45
J2-2(3)

NOTE:
EAST & SOUTH PLAQUE WILL BE REMOVED UNDER 1030-22-80

46 47
W2-1(3)
18x18 FLAGS INCIDENTAL

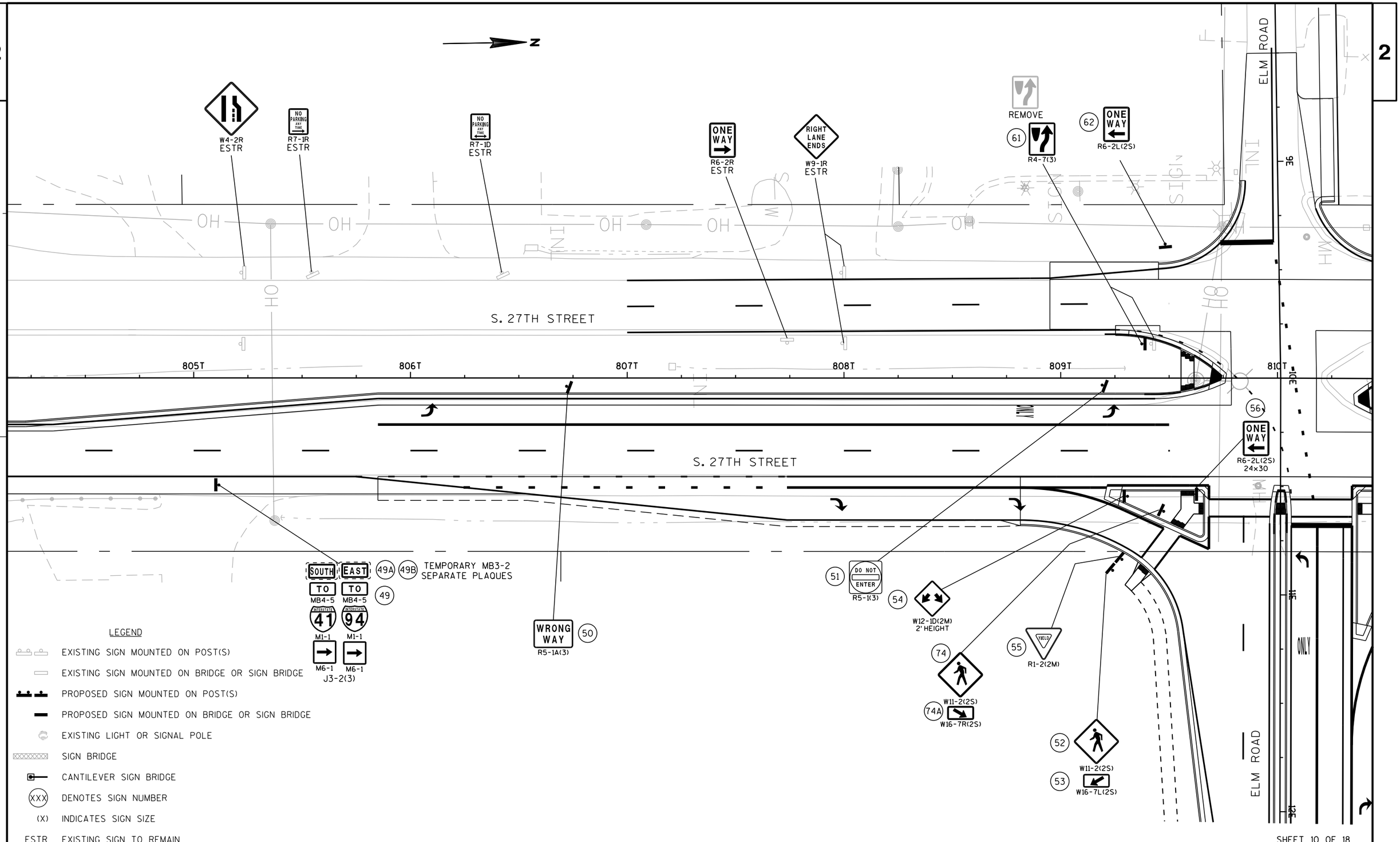
ONE WAY
R6-2L
ESTR

SPEED LIMIT 45
R2-1
132 133
REMOVE

48
Elm Rd
D1-61

SHEET 9 OF 18

PROJECT NO: 1030-20-87	HWY: IH-94	COUNTY: MILWAUKEE	PERMANENT SIGNING - 27TH STREET	SHEET	E



SHEET 10 OF 18

PROJECT NO: 1030-20-87	HWY: IH-94	COUNTY: MILWAUKEE	PERMANENT SIGNING - 27TH STREET	SHEET	E

2

N

ELM ROAD

SIGN

INL

36

H8

G

OH

SWG

INL

INL

ST

81OT

30E

81IT

81ZT

81ST

81TT

81UT

ONLY

S. 27TH STREET

DO NOT ENTER
REMOVE

78
DO NOT ENTER
R5-1(3)

134 135
RIGHT LANE ENDS
W9-1R
REMOVE

77
WRONG WAY
R5-1A(3)

SOUTH TO M4-5 INTERSTATE 41 M1-1 M6-1
EAST TO M4-5 INTERSTATE 94 M1-1 M6-1
73A 73B
TEMPORARY MB3-2
SEPARATE PLAQUES
73
J3-2(3)

HIGH WATER
ESTR
(FOLDED)

HIGH WATER
75
MOVE
(FOLDED)

67
R4-7(3)
REMOVE

31E

12E

ELM ROAD

ONLY

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (XXX) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN

PROJECT NO: 1030-20-87	HWY: IH-94	COUNTY: MILWAUKEE	PERMANENT SIGNING - 27TH STREET	SHEET	E

FILE NAME : J:\projects\d2_10302094\87\Sign\023211_ps.dgn PLOT DATE : 14-JUN-2018 07:59 PLOT BY : dotshw PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 42

2

N

(136) (137)
SPEED LIMIT 45
R2-1
REMOVE

(83)
Elm Rd
D1-61

STOP
R1-1
ESTR

R4-7
ESTR

(81) (82)
W2-1(3)
18x18 FLAGS
INCIDENTAL

TO MB4-5 INTERSTATE 41 M1-1 USE LEFT LANE M4-20L
TO MB4-5 INTERSTATE 94 M1-1 USE LEFT LANE M4-20L
(80)
J2-2(3)

S. 27TH STREET

815T 816T 817T 818T 819T 820T 821T

SPEED LIMIT 45
R2-1
ESTR

ONE WAY
R6-2L
ESTR

RIGHT LANE ENDS
W9-1R(3)
(79)

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (XXX) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN

SHEET 12 OF 18

PROJECT NO: 1030-20-87	HWY: IH-94	COUNTY: MILWAUKEE	PERMANENT SIGNING - 27TH STREET	SHEET	E

FILE NAME : J:\projects\d2_10302094\87\Sign\023212_ps.dgn PLOT DATE : 14-JUN-2018 07:59 PLOT BY : dotshw PLOT NAME : PLOT SCALE : 40:1

2

N

NEW TRAFFIC PATTERN AHEAD (84) (85)
W23-2(3)
18x18 FLAGS
INCIDENTAL

ONE WAY
R6-2L
ESTR

R4-7
ESTR

OH

S. 27TH STREET

821T 822T 823T 824T 825T 826T

DO NOT ENTER
R5-1
ESTR

STOP
R1-1
ESTR

NA ME STR EET
STREET
NAME SIGN
ESTR

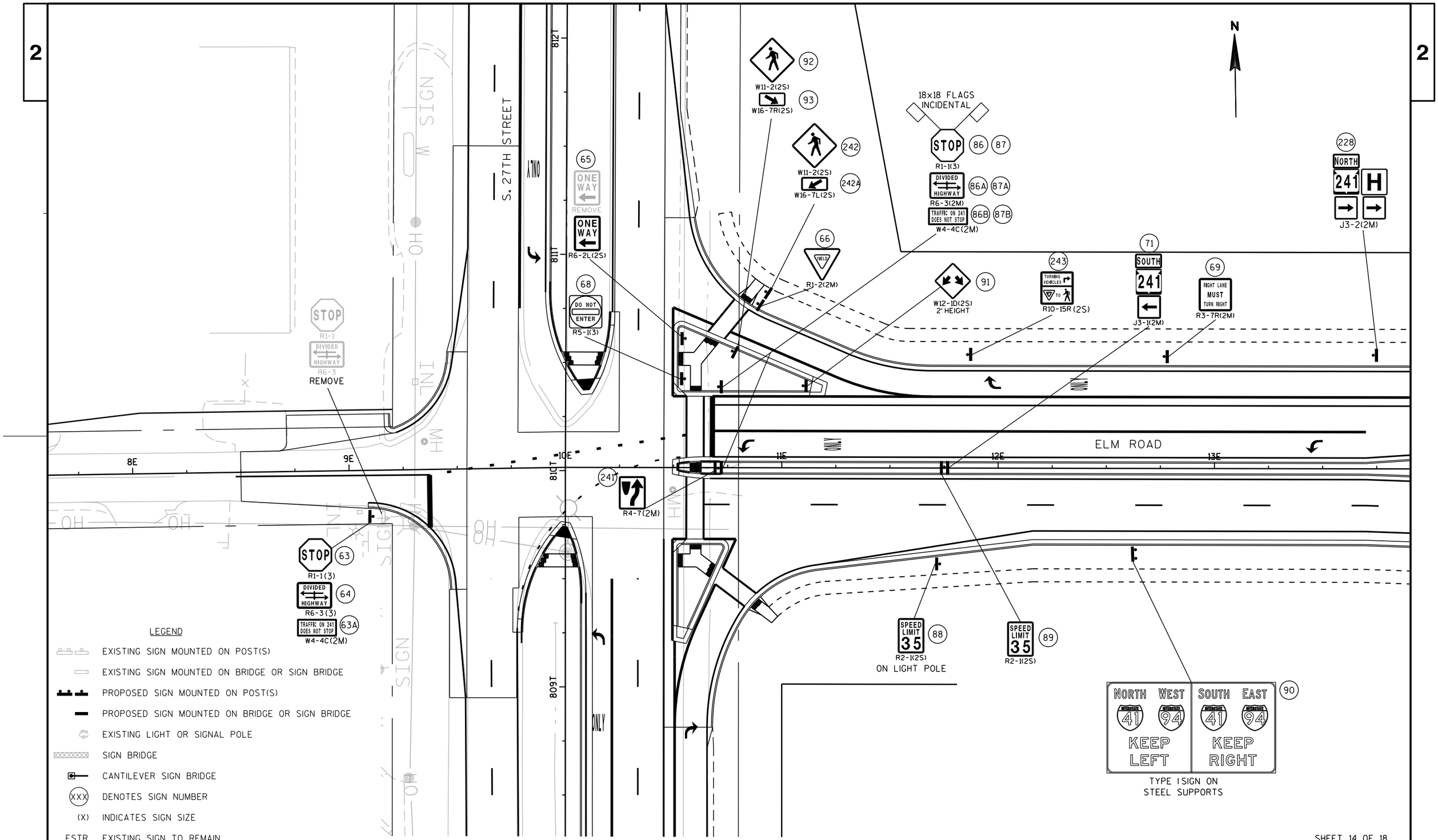
W3-3
ESTR

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (XXX) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN

PROJECT NO: 1030-20-87	HWY: IH-94	COUNTY: MILWAUKEE	PERMANENT SIGNING - 27TH STREET	SHEET	E

FILE NAME : J:\projects\d2_10302094\87\Sign\023213_ps.dgn PLOT DATE : 14-JUN-2018 07:59 PLOT BY : dotshw PLOT NAME : PLOT SCALE : 40:1



SHEET 14 OF 18

PROJECT NO: 1030-20-87	HWY: IH-94	COUNTY: MILWAUKEE	PERMANENT SIGNING - ELM ROAD	SHEET	E

FILE NAME : J:\projects\d2_10302094\87\Sign\023214_ps.dgn PLOT DATE : 14-JUN-2018 07:59 PLOT BY : dotshw PLOT NAME : PLOT SCALE : 40:1

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (XXX) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN

N

2

WRONG WAY
R5-1(2S)
96

BEGIN LEFT TURN LANE
R3-20L(2M)
95

W3-1(2S)
16x16 FLAGS
INCIDENTAL
100

W3-1(2S)
16x16 FLAGS
INCIDENTAL
ON LIGHT POLE
99

CANTILEVER
OVERHEAD SIGN SUPPORT
S-40-942
TYPE I SIGN

103
RIGHT LANE MUST TURN RIGHT
R3-7R(2M)
ON UPRIGHT

98
NORTH
241
27th St
ONLY

101
R4-7(2S)

ELM ROAD

14E 15E 16E 17E 18E 19E

SOUTH EAST
INTERSTATE 41
INTERSTATE 94
ONLY
94
TYPE I

OVERHEAD SIGN SUPPORT
S-40-941
CANTILEVER
SIGN BRIDGE

70
Elm Rd
27th St
D1-2(2M)

SOUTH
241
97
J2-1(2M)

217
RIGHT LANE MUST TURN RIGHT
R3-7R(2M)

DO NOT ENTER
102
R5-1(2S)

SHEET 15 OF 18

PROJECT NO: 1030-20-87	HWY: IH-94	COUNTY: MILWAUKEE	PERMANENT SIGNING - ELM ROAD	SHEET	E

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (XXX) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN

N

2

DO NOT ENTER
R5-1(2S)
107

NORTH MB3-1 41 M1-1
WEST MB3-4 94 M1-1
USE LEFT LANE M4-20L
USE LEFT LANE M4-20L
J2-2(2S)
106

104
RIGHT LANE MUST TURN RIGHT
R3-7R(2M)

20E 21E 22E 23E 24E ELM ROAD 25E

105
R4-7(2S)

108
NORTH WEST 41 94 Milwaukee
SOUTH EAST 41 94 Chicago
TYPE I SIGN ON STEEL SUPPORTS

SHEET 16 OF 18

PROJECT NO: 1030-20-87	HWY: IH-94	COUNTY: MILWAUKEE	PERMANENT SIGNING - ELM ROAD	SHEET	E

FILE NAME : J:\projects\d2_10302094\87\Sign\023216_ps.dgn PLOT DATE : 14-JUN-2018 07:59 PLOT BY : dotshw PLOT NAME : PLOT SCALE : 40:1

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING LIGHT OR SIGNAL POLE OR TYPE I POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (XXX) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN

N

2

2

TO M4-5 / 241 M1-6 / M6-1 (240) — J4-1(2S) ON LIGHT POLE

(239) R3-2(2S)

(111) WRONG WAY R5-1A(2S)

SOUTH MB3-3 INTERSTATE 41 M1-1 / EAST MB3-2 INTERSTATE 94 M1-1 — MB6-2 (238) MB6-2 — J3-2(2S)

(237) ONE WAY R6-2R(2S)

(236) R4-7(2S)

(235) YIELD R1-2(2M)

(126) W12-1D(2S) 2' HEIGHT

(127) W11-2(2S) / (128) W16-7L(2S)

STOP R1-1(3) (122) (124)

DIVIDED HIGHWAY R6-3(2S) (123) (125)

(120) W11-2(2S) / (121) W16-7R(2S)

(119) DO NOT ENTER R5-1(2S)

SPEED LIMIT 35 R2-1(2S) (117) ON LIGHT POLE

(118) WRONG WAY R5-1A(2S)

(137) DO NOT ENTER R5-1(2S)

(231) DO NOT ENTER R5-1(3) (232)

(233) WRONG WAY R5-1A(2S) (234)

162ED

163ED

25E 26E 27E 28E 29E 30E 31E

ELM ROAD

(141) RAMP CLOSED USE ALT ROUTE R11-54F — FOLD UP SIGN

(109) W11-2(2S) / (110) W16-7R(2S)

(112) YIELD R1-2(2S)

(115) W11-2(2S) / (116) W16-7L(2S)

(135) W11-2(2S) / (136) W16-7R(2S)

(227) R4-7(2S)

(224) RAMP CLOSED USE ALT ROUTE R11-54F(2S)

(225) (226) W3-1(2S)

(207) W5-52R(2S) 4' HEIGHT

(142) RAMP CLOSED USE ALT ROUTE R11-54F — FOLD UP SIGN

(143) (144) RAMP CLOSED R11-2R 48" X 30" — MOUNT ON BARRICADE RACKS (SEE OTHER PLAN SHEETS FOR BARRICADE RACK LOCATIONS)

SHEET 17 OF 18

PROJECT NO: 1030-20-87	HWY: IH-94	COUNTY: MILWAUKEE	PERMANENT SIGNING - ELM ROAD	SHEET	E

FILE NAME : J:\projects\d2_10302094\87\Sign\023217_ps.dgn PLOT DATE : 14-JUN-2018 07:59 PLOT BY : dotshw PLOT NAME : PLOT SCALE : 40:1

2

2

N

166

165

164

163

31E

32E

33E

34E

35E

36E

167EA

RAMP EA

166EA

166EB

RAMP EB

165EB

ELM ROAD

220 RAMP CLOSED USE ALT ROUTE
R11-54F(2S)
FOLD UP SIGN

221 W5-52R(2S)
4' HEIGHT

222 R4-7(2S)

223 ONE WAY
R6-2L(2M)

FREEWAY ENTRANCE 216
D13-3
TYPE II SIGN

214 W1-6(2S)

215 ONE WAY
R6-2L(2S)

206 WRONG WAY
R5-1A(2S)
WOOD POST

205 NORTH WEST
INTERSTATE 41 INTERSTATE 94
Milwaukee
D1-1(MOD)
TYPE I SIGN
ON STEEL POSTS

208 R3-1(2M)

209 DO NOT ENTER
R5-1(2S)

16x16 FLAGS

STOP 210 211 212 213
R1-1(3)
ALL WAY 210A 211A 212A 213A
R1-3P(3)

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN

SHEET 18 OF 18

PROJECT NO: 1030-20-87	HWY: IH-94	COUNTY: MILWAUKEE	PERMANENT SIGNING - ELM ROAD	SHEET	E

FILE NAME : J:\projects\d2_10302094\87\Sign\023218_ps.dgn PLOT DATE : 14-JUN-2018 07:59 PLOT BY : dotshw PLOT NAME : PLOT SCALE : 40:1

2

EXISTING UTILITY LUMINAIRES AND MAST ARMS ON WOODEN UTILITY POLES ALONG 27TH STREET TO BE REMOVED AND REPLACED BY WE ENERGIES.

S 27TH ST.

N

ELM ROAD

NEW CONTROLLER

HL-40-ER	
A,C,E,G	RED
B,D,F,H	BLACK
N	WHITE
GND	GREEN OR BARE
A,B,C,D,E,F,G,H	30A
240/480VAC 3 WIRE ISOLATED NEUTRAL	
120/240VAC 3 WIRE FEEDER ITS CABINET	

CONTRACT I.D: 1030-20-87

OAKWOOD RD.

EXISTING CONTROLLER

HL-40-YR	
A,C,E,G,J	RED
B,D,F,H,K	BLACK
N	WHITE
GND	GREEN OR BARE
A,B,C,D,E	30A
F,G,H,J,K	30A
240/480VAC 3 WIRE ISOLATED NEUTRAL	
120/240VAC 3 WIRE FEEDER ITS CABINET	

CONTRACT I.D: 1030-20-85

RYAN RD.

PUETZ RD.

FUTURE CONTROLLER

HL-40-PZ	
A,C,E,G	RED
B,D,F,H	BLACK
N	WHITE
GND	GREEN OR BARE
A,B,C,D	30A
E,F,G,H	30A
240/480VAC 3 WIRE ISOLATED NEUTRAL	

CONTRACT I.D: 1030-20-84

IH 94

MATCHLINE "A"

EXISTING CONTROLLER

HL-40-RY	
A,C,E,G,J	RED
B,D,F,H,K	BLACK
N	WHITE
GND	GREEN OR BARE
A,B,C,D,E	30A
F,G,H,J,K	30A
240/480VAC 3 WIRE ISOLATED NEUTRAL	
120/240VAC 3 WIRE FEEDER ITS CABINET	

CONTRACT I.D: 1030-20-85

EXISTING CONTROLLER

HL-40-DS	
A,C,E,G	RED
B,D,F,H	BLACK
N	WHITE
GND	GREEN OR BARE
A,B,C,D,E,F,G,H	30A
240/480VAC 3 WIRE ISOLATED NEUTRAL	
120/240VAC 3 WIRE FEEDER ITS CABINET	

CONTRACT I.D: 1030-20-83

EXISTING CONTROLLER

HL-40-DN	
A,C,E,G	RED
B,D,F,H	BLACK
N	WHITE
GND	GREEN OR BARE
A,B,C,D,E,F,G,H	30A
240/480VAC 3 WIRE ISOLATED NEUTRAL	
120/240VAC 3 WIRE FEEDER ITS CABINET	

CONTRACT I.D: 1030-20-83

FUTURE CONTROLLER

HL-40-RS	
A,C,E,G	RED
B,D,F,H	BLACK
N	WHITE
GND	GREEN OR BARE
A,B,C,D,E,F,G,H	30A
240/480VAC 3 WIRE ISOLATED NEUTRAL	

CONTRACT I.D: 1030-20-84

EXISTING CONTROLLER

HL-40-RN	
A,C,E,G	RED
B,D,F,H	BLACK
N	WHITE
GND	GREEN OR BARE
A,B,C,D,E,F,G,H	30A
240/480VAC 3 WIRE ISOLATED NEUTRAL	

CONTRACT I.D: 1030-20-82

MATCHLINE "A"

IH 94

DREXEL AVE.

RAWSON AVE.

NOTES

1. LIGHTING WORK SHOWN IN BOLD IS PART OF CURRENT CONTRACT (ID: 1030-20-87)

PROJECT NO: 1030-20-87	HWY: IH 94/ELM ROAD	COUNTY: MILWAUKEE	LIGHTING PLAN - LIGHTING CONTROLLER OVERVIEW	SHEET	E

FILE NAME : K:\71172\CADD\cds\023502_lp.dgn PLOT DATE : 5/30/2018 2:11:33 PM PLOT BY : akay PLOT NAME : $FILE$ PLOT SCALE : 1300:1

FREEWAY LIGHTING AND LOCAL STREET LIGHTING SHALL BE INSTALLED IN COMPLIANCE WITH WISCONSIN DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS SECTIONS 652 TO 657 AND 659 EXCEPT:

1. DETAILS OF CONSTRUCTION MATERIALS AND WORKMANSHIP NOT SHOWN ON THESE DRAWINGS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

2. LOCATIONS OF THE PVC CONDUITS ARE IDENTIFIED IN THE PLANS WHERE THEY ARE REQUIRED. HOWEVER, UNDER THE APPROVAL OF THE ENGINEER. ADJUSTMENT ON CONDUIT LOCATIONS MAY BE MADE IF THE FIELD CONDITIONS ARE SUCH THAT THE CONDUIT CANNOT BE INSTALLED AT THE SPECIFIED LOCATIONS. FIELD MARK EACH CONDUIT LOCATION IN RED TO ILLUSTRATE AS BUILT CONDITIONS.

3. THE TRENCH SHALL NOT BE BACKFILLED PRIOR TO INSPECTION OF THE CONDUIT.

4. ALL OPEN AND UNTERMINATED CONDUITS SHALL BE CAPPED OR PLUGGED WITH ENGINEER APPROVED FITTINGS IMMEDIATELY AFTER INSTALLATION.

5. BENDING OF PVC ELECTRICAL CONDUIT SHALL BE ACCOMPLISHED BY USING A BLANKET OR IMMERSION TYPE TANK DESIGNED FOR THE PURPOSE OF BENDING PVC ELECTRICAL CONDUIT.

6. ALL CUT ENDS SHALL BE TRIMMED INSIDE AND OUTSIDE TO REMOVE ALL ROUGH EDGES ON ALL CONDUITS.

7. PRIOR TO CONDUIT ACCEPTANCE, ALL CONDUIT ENDS SHALL BE THOROUGHLY CLEANED AND BE CAPPED WITH THE APPROPRIATE CAST PLASTIC CAP WHICH FITS SNUGGLY ON THE CONDUIT, BUT EASILY REMOVED IN THE FUTURE. DUCT TAPE OR ANY OTHER CAPPING METHOD IS NOT ACCEPTABLE.

8. CONDUIT RUNS SHALL BE THE SAME SIZE PIPE FROM ONE END TO THE OTHER (FROM PULL BOX-TO-PULL BOX, JUNCTION BOX OR BASE-TO-BASE, ETC.) UNLESS OTHERWISE NOTED ON PLANS.

9. PULL ROPE (3/8-INCH NYLON) SHALL BE INSTALLED IN ALL NEW CONDUITS.

10. CONTRACTOR SHALL SUPPLY AS-BUILT DRAWINGS (.PDF FORMAT) FOR ALL THE WORK BEING DONE.

11. CONDUIT LATERALS SHALL BE TRENCHED UNDER PAVEMENT BEFORE PAVEMENT CONSTRUCTION. CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH ROADWAY CONSTRUCTION FOR CONDUIT LATERALS INSTALLATION.

12. PITCH ALL CONDUITS TOWARD PULL BOXES. INSTALL A 2" DRAIN DUCT TO STORM SEWER OR DRAIN SUMP AS REQUIRED FOR DRAINAGE. THE 2" DRAIN DUCT OR SUMP IS INCIDENTAL TO THE PULL BOX BID ITEM AND IS NOT SHOWN.

13. THE LOCATION OF EXISTING AND PROPOSED UTILITIES AS SHOWN ON THE PLANS ARE APPROXIMATE, IN ADDITION, THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT ARE WHICH ARE NOT SHOWN. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION.

14. HAND DIGGING MAY BE REQUIRED FOR THE LOCATIONS ADJACENT TO EXISTING GAS AND POWER LINES. HAND EXCAVATION SHOULD BE ANTICIPATED & WILL BE CONSIDERED INCIDENTAL TO THE CONCRETE BASES BID ITEM. COORDINATE ALL WORK NEAR GAS LINE WITH WE ENERGIES.

15. UNDERGROUND WIRE & CONDUIT SHOWN ON REMOVAL PLANS FOR REMOVAL SHALL BE ABANDONED IN PLACE UNLESS DIRECTED BY THE ENGINEER. CONTRACTOR MAY CHOOSE TO REMOVE CONDUCTOR AT THEIR OWN EXPENSE.

16. EXISTING CONDUIT AND CID NO LONGER BEING USED IS ABANDONED IN PLACE. THE CONTRACTOR MAY REMOVE ABANDONED WIRING AT THE CONTRACTOR'S EXPENSE. ABANDONED PULL BOX REMOVAL IS INCIDENTAL TO THE ROAD CONSTRUCTION.

17. ALL UNDERGROUND WIRING AND CONDUIT FOR POLES BEING REMOVED IS ABANDONED IN PLACE UNLESS NOTED OTHERWISE. CONTRACTOR MAY SALVAGE ABANDONED WIRING AT HIS OWN EXPENSE.

18. PROVIDE REMOVABLE SEALANT SUCH AS DUCT SEAL IN THE CONDUITS AT THE CABINET, PULL BOXES, AND JUNCTION BOXES TO AVOID CONDENSATION CAUSED BY AIRFLOW THROUGH THE CONDUITS DUE TO TEMPERATURE DIFFERENCE. THIS WORK SHALL BE INCIDENTAL TO THE ASSOCIATED CONDUIT PAY ITEM.

19. PROVIDE MINIMUM CABLE SLACK AS MENTIONED BELOW:

PULL BOXES:	10-FT
POLE BASES:	5-FT ONE WAY IN OR OUT
EMBEDDED JUNCTION BOXES:	3-FT
DISTRIBUTION CENTER/LOAD CENTER:	10-FT

ADDITIONAL GENERAL NOTES FOR CITY OF OAK CREEK MAINTAINED LIGHTING SYSTEM ONLY.

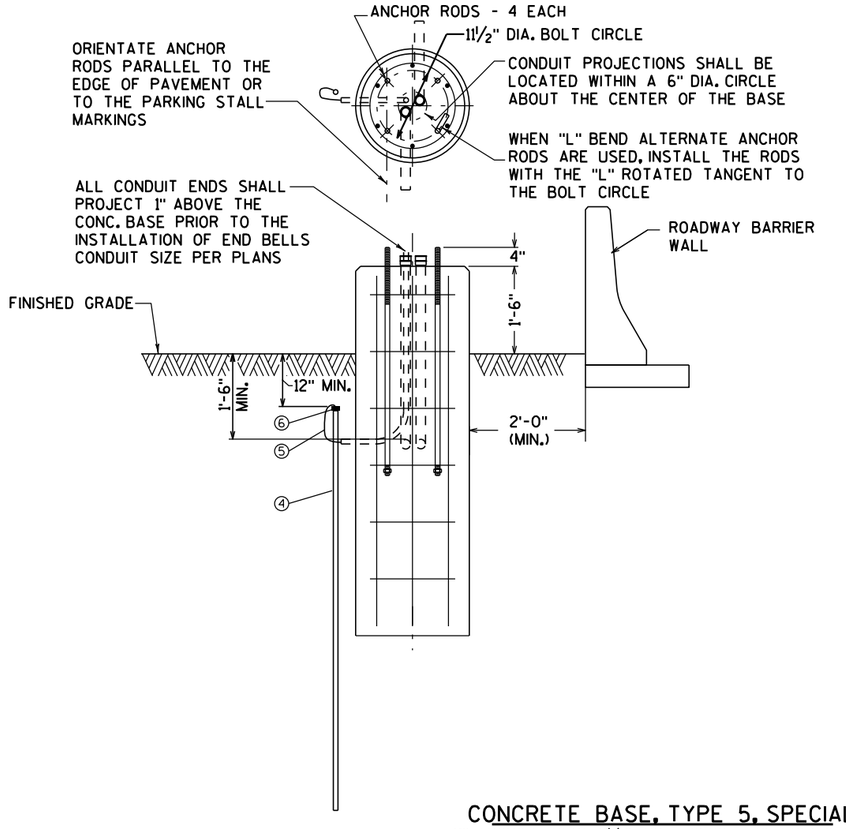
1. CONTRACTOR SHALL COORDINATE WITH THE CITY OF OAK CREEK AND WE ENERGIES FOR REMOVAL AND REPLACEMENT OF LIGHT FIXTURES MOUNTED ON WE ENERGIES WOOD POLES ALONG 27TH STREET.

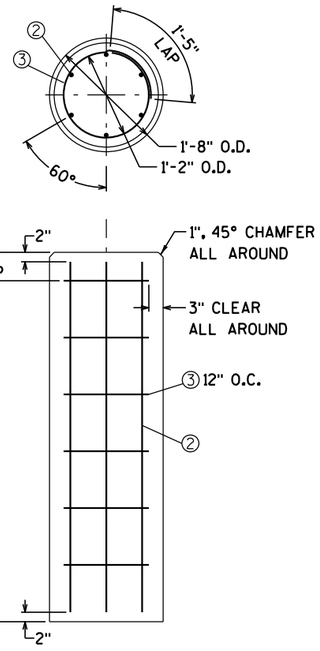
STREET LIGHTING PLANS PREPARED BY:
HNTB
HNTB CORPORATION
111 N CANAL STREET, SUITE 1250
CHICAGO, IL 60606



06/01/2018
(DATE) (SIGNATURE)

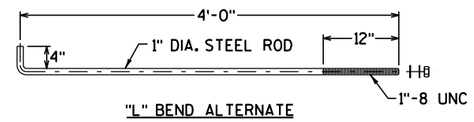
SHEET 1 TO 7

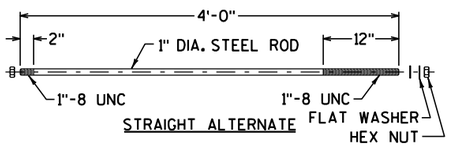




CONCRETE BASE, TYPE 5, SPECIAL

(1" ANCHOR RODS, 11½" BOLT CIRCLE, 4" PROJECTION)





ANCHOR ROD ASSEMBLY DETAIL

(INCIDENTAL TO CONCRETE BASE - 4 EACH PER BASE)

GENERAL NOTES:

1. DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF SECTION 654 OF THE STANDARD SPECIFICATIONS AND THE SPECIAL PROVISIONS.
2. CONCRETE BASES SHALL BE EXCAVATED BY USE OF A CIRCULAR AUGER.
3. FORMING SHALL BE LIMITED TO 6" BELOW THE EXISTING GRADE. UNLESS LOOSE SOIL OR FILL IS ENCOUNTERED, FORMING SHALL BE STRIPPED AFTER CONCRETE HAS SET.
4. IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE SOIL OR FILL, THE FORM SHALL BE STRIPPED BEFORE BACK FILLING AROUND THE BASE. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE STRIPPED CONCRETE BASE IN LAYERS OF 6" OR LESS.
5. TOP SURFACES OF CONCRETE BASES SHALL BE TROWEL FINISHED, SMOOTH AND LEVEL.
6. THE NUMBER, SIZE, AND LOCATION OF LINE AND LOAD SIDE CONDUITS WILL BE SHOWN IN THE PLANS. NOTE, SOME BASES MAY HAVE MORE THAN ONE LOAD SIDE CONDUIT REQUIRED (SEE THE PLAN). ALL BASES SHALL HAVE A 1" CONDUIT FOR THE EQUIPMENT GROUNDING CONDUCTOR.
7. CONDUIT ENDS PROJECTING ABOVE THE BASE SHALL BE SUITABLY PLUGGED WITH ENGINEER APPROVED FITTINGS BEFORE THE CONCRETE IS POURED, TO PREVENT DEBRIS CONTAMINATION OF THE RACEWAY.
8. ENDS OF CONDUIT INSTALLED BELOW GRADE FOR FUTURE USE (STUB OUTS) SHALL BE PLUGGED.
9. A NO. 4 AWG, STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD).
10. THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE INSTALLED WITH A MINIMUM OF 6'-6" OF SLACK MEASURED FROM THE TOP OF THE CONCRETE BASE TO THE END OF THE CONDUCTOR. THE SLACK SHALL BE NEATLY TIED IN A COIL THAT FITS INSIDE THE ANCHOR BOLT CIRCLE UNTIL THE LIGHT POLE IS INSTALLED. GREAT CARE SHALL BE EXERCISED TO AVOID DAMAGE TO THE CONDUCTOR.
11. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVELED WAY SHALL BE 24". THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18". THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36". THE MAXIMUM DEPTH MAY ONLY BE EXCEEDED WITH THE WRITTEN APPROVAL OF THE ENGINEER.
12. ANCHOR RODS SHALL NOT BE WELDED TO THE BAR STEEL REINF. HOWEVER, TIE WIRES MAY BE USED.
13. BAR STEEL REINF. SHALL BE "COATED HIGH STRENGTH BAR STEEL REINFORCEMENT".

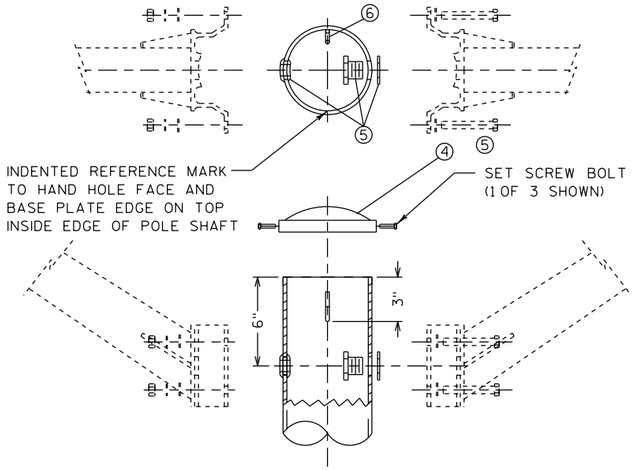
② NO. 6 BAR STEEL REINF., 6'-2" LONG (6 EACH)

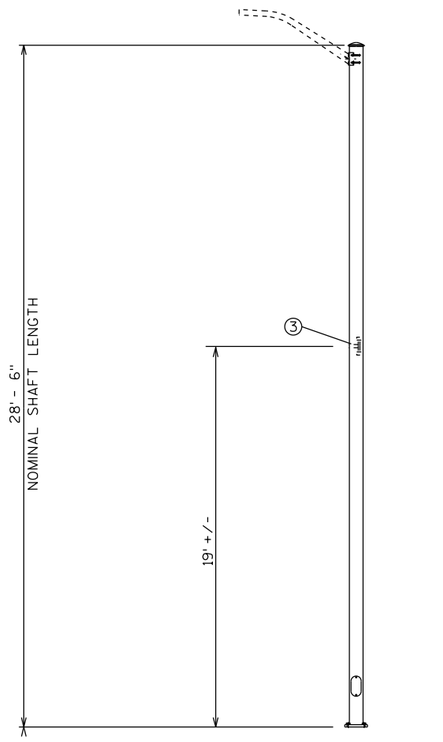
③ NO. 4 BAR STEEL REINF., 5'-1" LONG (6 EACH)

④ ⅝" x 8'-0" COPPER CLAD EQUIPMENT GROUNDING ELECTRODE (GROUND ROD) TOP OF ROD 12" MIN. BELOW FINISHED GRADE OR FINISHED PAVEMENT.

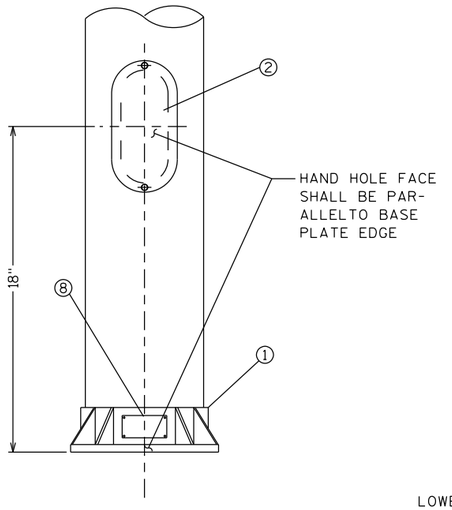
⑤ EQUIPMENT GROUNDING CONDUCTOR (NOTE 9)

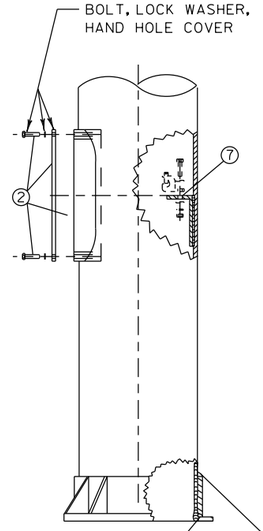
⑥ EXOTHERMIC WELD (CAD WELD)

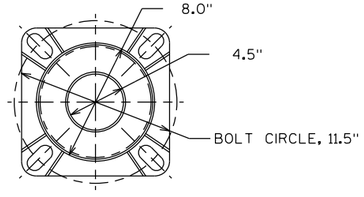




POLE, TYPE 5 ALUM







(TOP VIEW)

GENERAL NOTES:

DETAILS OF CONSTRUCTION, MATERIALS, AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

SLOTTED ANCHOR ROD HOLES FOR 1" - 8 UNC ANCHOR RODS (4 EACH - 11.5" BOLT CIRCLE), SHALL BE PROVIDED IN BASE CASTING.

POLES SHALL BE CONSTRUCTED OF 6063-T6 ALUMINUM.
EXCEPT THAT THE BASE CASTINGS SHALL BE CONSTRUCTED OF 356 - T6 ALUMINUM.
THE SHAFT SHALL BE ROUND AND UNIFORMLY TAPERED FROM AN 8" OD BUTT TO A 4½" TOP.

HEAT TREATMENT OF WELDMENTS IN STRUCTURAL AREAS (e.g. BASE CASTING, HAND HOLE, BRACKET FOR GROUNDING LUG) REQUIRED.

ALL THREADED FASTENER COMPONENTS SHALL BE STAINLESS STEEL. NUTS SHALL BE HEX NUTS. BOLTS SHALL BE HEX HEAD. ALL THREADED SURFACES SHALL BE COATED WITH ANTI-SEIZE COMPOUND PRIOR TO INSTALLATION.

LUMINAIRE ARMS AND CLAMP ASSEMBLIES SHOWN FOR INFORMATION ONLY (PAID SEPARATELY). FOR ARMS SEE THE STANDARD DETAIL DRAWING FOR POLE MOUNTINGS TYPE 5. LUMINAIRE LOADING FOR DESIGN CALCULATION SHALL BE 50 LBS. IN WEIGHT AND 1.5 SQ. FT. FOR E.P.A.

① SHOE BASE

② 4" x 6" HANDHOLE & COVER ASSEMBLY, SECURED BY TWO, (2)¼" x ¾" - TPI STAINLESS STEEL HEX HEAD BOLTS.

HANDHOLE SHALL BE 90 DEGREES FROM LUMNAIRE ARMS OF TWIN LUMINAIRE POLES; 180 DEGREES FROM LUMNAIRE ARM OF SINGLE LUMINAIRE POLES; 0 DEGREES LUMINAIRE ARM FOR STRUCTURE MOUNTED POLES.

③ INTERNAL DUMBBELL - TYPE VIBRATION DAMPER.

④ FURNISH AND INSTALL CAST OR METALLIC (ALUMINUM ALLY) POLE CAP. FASTEN CAP WITH THREE (3)¼" x ¾" - TPI STAINLESS STEEL HEX HEAD BOLTS.

⑤ 1⅜" FIELD DRILLED HOLE WITH 1" CHASE NIPPLE OR NUT (OR NEOPRENE GROMMET), PER EACH REQUIRED LUMINAIRE ARM.

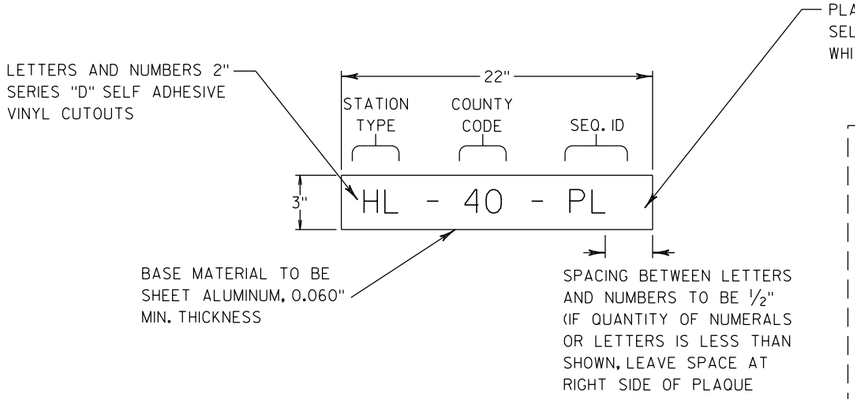
⑥ FACTORY-WELDED "J" HOOK FOR POLE WIRE STRAIN RELIEF.

⑦ FACTORY -WELDED BRACKETFOR GROUNDING GLU, OPPOSITE HANDHOLE. (LUG AND HARDWARE PAID UNDER SEPERATE ITEMS; SHOWN FOR INFORNATION ONLY). PROVIDE HOLE IN BRACKET¼" x ¾" - TPI STAINLESS STEEL HEX HEAD BOLTS.

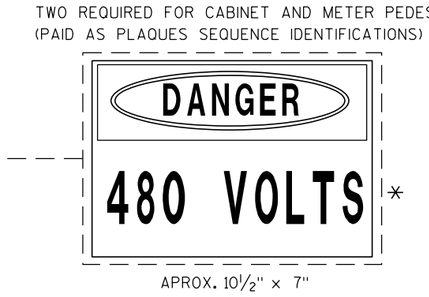
⑧ MANFACTURER'S PLATE SHOWING WISDOT POLE TYPE, MANUFACTURER, AND DATE.

POLE TYPE	ARM & LUMINAIRE LOADS (MAX.)	ADDITIONAL (MAX.) LOADS
TYPE 5 ALUM	TWIN ARMS, 6 FT. (SINGLE MEMBER)	UP TO 20 SQ. FT. ON TRAFFIC SIGNS, MOUNTED AS HIGH AS 15 FT. TO TOP OF SIGN.
	SINGLE ARM, 6 FT. (SINGLE MEMBER) OR 15' TRUSS	UP TO 20 SQ. FT. OF TRAFFIC SIGNS, MOUNTED AS HIGH AS 15 FT. TO TOP OF SIGN.

LIGHT POLES TYPE 5 ALUMINUM



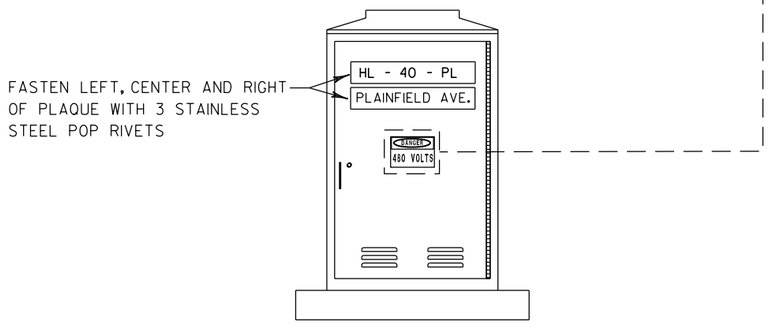
DISTRIBUTION CENTER
IDENTIFCATION PLAQUE





MNEMONIC

(NO. OF CHARACTERS VARIES;
THIRD PLAQUE MAY BE NECESSARY)



DISTRIBUTION CENTER IDENTIFICATION PLAQUE
REQUIREMENTS AND PLACEMENTS

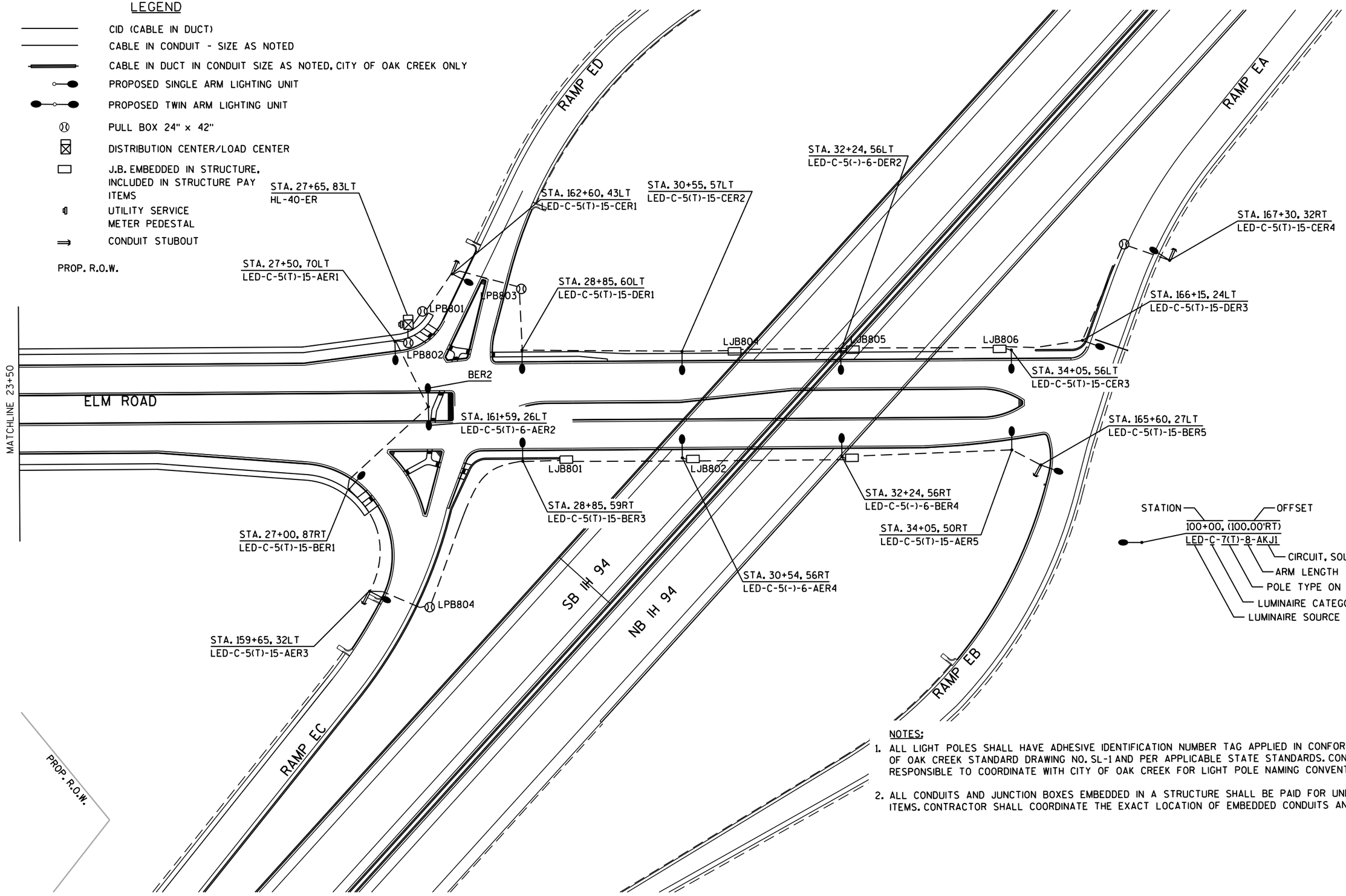
(TYPICAL ALL CONTROL CABINETS)

PROJECT NO: 1030-20-87	HWY: IH 94/ELM ROAD	COUNTY: MILWAUKEE	LIGHTING PLAN - DETAIL	SHEET	E

LEGEND

- CID (CABLE IN DUCT)
- CABLE IN CONDUIT - SIZE AS NOTED
- CABLE IN DUCT IN CONDUIT SIZE AS NOTED, CITY OF OAK CREEK ONLY
- PROPOSED SINGLE ARM LIGHTING UNIT
- PROPOSED TWIN ARM LIGHTING UNIT
- PULL BOX 24" x 42"
- DISTRIBUTION CENTER/LOAD CENTER
- J.B. EMBEDDED IN STRUCTURE, INCLUDED IN STRUCTURE PAY ITEMS
- UTILITY SERVICE METER PEDESTAL
- CONDUIT STUBOUT

PROP. R.O.W.



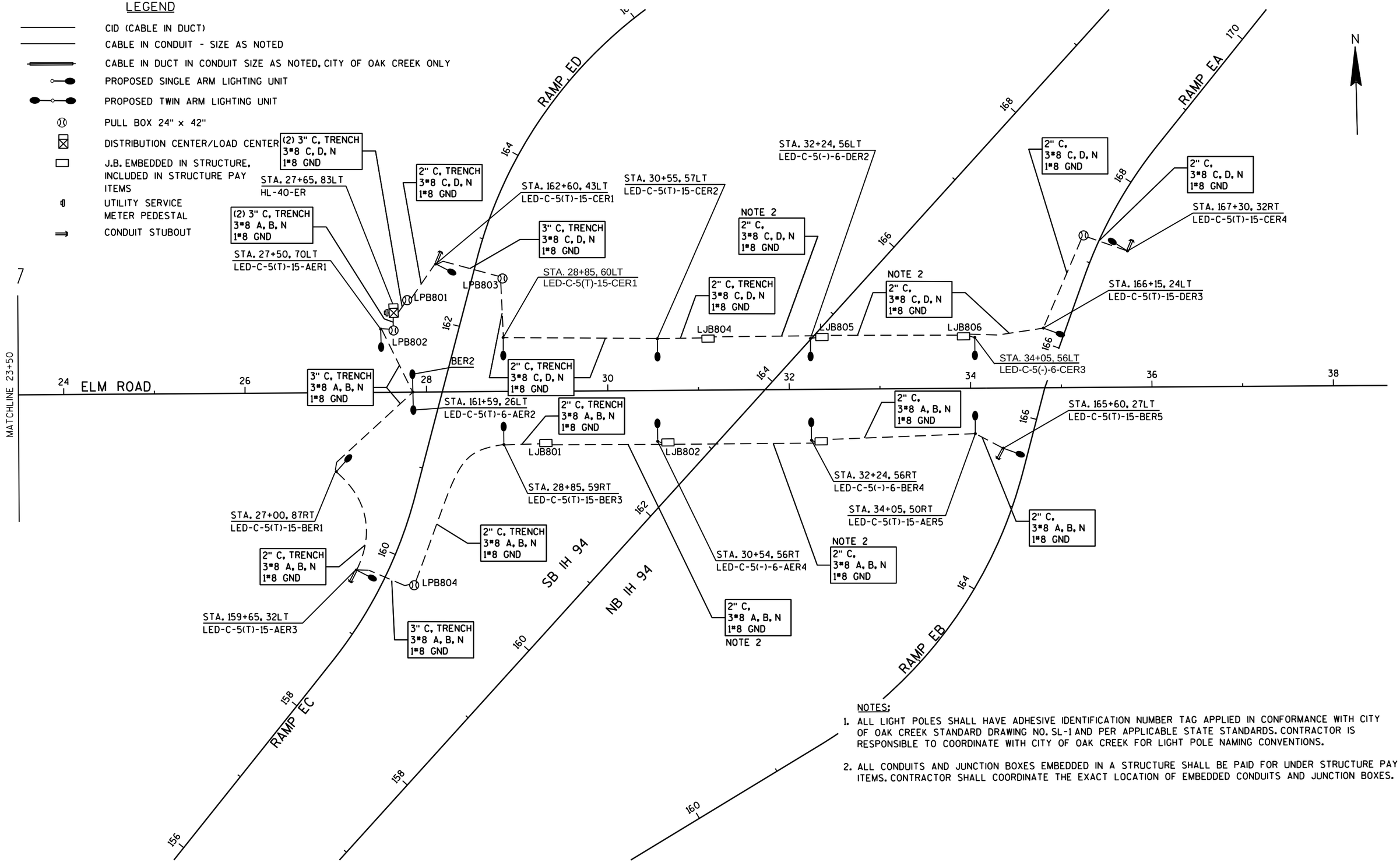
NOTES:

1. ALL LIGHT POLES SHALL HAVE ADHESIVE IDENTIFICATION NUMBER TAG APPLIED IN CONFORMANCE WITH CITY OF OAK CREEK STANDARD DRAWING NO. SL-1 AND PER APPLICABLE STATE STANDARDS. CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH CITY OF OAK CREEK FOR LIGHT POLE NAMING CONVENTIONS.
2. ALL CONDUITS AND JUNCTION BOXES EMBEDDED IN A STRUCTURE SHALL BE PAID FOR UNDER STRUCTURE PAY ITEMS. CONTRACTOR SHALL COORDINATE THE EXACT LOCATION OF EMBEDDED CONDUITS AND JUNCTION BOXES.

PROJECT NO: 1030-20-87	HWY: IH 94/ELM ROAD	COUNTY: MILWAUKEE	LIGHTING PLAN - FINAL	SHEET	E

LEGEND

- CID (CABLE IN DUCT)
- CABLE IN CONDUIT - SIZE AS NOTED
- CABLE IN DUCT IN CONDUIT SIZE AS NOTED, CITY OF OAK CREEK ONLY
- PROPOSED SINGLE ARM LIGHTING UNIT
- PROPOSED TWIN ARM LIGHTING UNIT
- PULL BOX 24" x 42"
- DISTRIBUTION CENTER/LOAD CENTER
- J.B. EMBEDDED IN STRUCTURE, INCLUDED IN STRUCTURE PAY ITEMS
- UTILITY SERVICE METER PEDESTAL
- CONDUIT STUBOUT



NOTES:

1. ALL LIGHT POLES SHALL HAVE ADHESIVE IDENTIFICATION NUMBER TAG APPLIED IN CONFORMANCE WITH CITY OF OAK CREEK STANDARD DRAWING NO. SL-1 AND PER APPLICABLE STATE STANDARDS. CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH CITY OF OAK CREEK FOR LIGHT POLE NAMING CONVENTIONS.
2. ALL CONDUITS AND JUNCTION BOXES EMBEDDED IN A STRUCTURE SHALL BE PAID FOR UNDER STRUCTURE PAY ITEMS. CONTRACTOR SHALL COORDINATE THE EXACT LOCATION OF EMBEDDED CONDUITS AND JUNCTION BOXES.

PROJECT NO: 1030-20-87	HWY: IH 94/ELM ROAD	COUNTY: MILWAUKEE	LIGHTING PLAN - SCHEMATIC	SHEET	E

2

2

LEGEND

(1) MARKING LINE EPOXY 4-INCH (YELLOW)

(2) MARKING LINE EPOXY 4-INCH (WHITE)

(4) MARKING LINE EPOXY 4-INCH (DOT PATTERN WHITE)
(3 FT LINE 9 FT SKIP)

(7) MARKING STOP LINE EPOXY 18-INCH (WHITE)

(10) MARKING DIAGONAL EPOXY 12-INCH (YELLOW)

(11) MARKING DIAGONAL EPOXY 12-INCH (WHITE)

(14) MARKING WORD EPOXY (WHITE)

(16) MARKING ARROW EPOXY TYPE 2 (WHITE)

(20) MARKING CURB EPOXY (YELLOW)

(21) MARKING ISLAND NOSE EPOXY (YELLOW)

(29) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH (WHITE)

(30) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 4-INCH (DASHED WHITE)
(12.5 FT LINE 37.5 FT SKIP)

(36) MARKING LINE EPOXY 4-INCH (DASHED YELLOW)
(12.5 FT LINE 37.5 FT SKIP)

(39) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH (DOT PATTERN WHITE)
(3 FT LINE 9 FT SKIP)

(121) MARKING YIELD LINE EPOXY 18-INCH (WHITE)

(183) MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE)

(184) MARKING LINE GROOVED WET REF EPOXY 4-INCH (YELLOW)

(217) MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE)

(218) MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (DASHED WHITE)
(12.5 FT LINE 37.5 FT SKIP)

(219) MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (DOT PATTERN WHITE)
(3 FT LINE 9 FT SKIP)

(220) MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (DOT PATTERN WHITE)
(3 FT LINE 9 FT SKIP)

(221) MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)

(222) MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (DOT PATTERN WHITE)
(2 FT LINE 6 FT SKIP)

(230) MARKING CONTRAST EPOXY SPECIAL MARKING ARROW (TYPE 2)(WHITE)

(231) MARKING CONTRAST EPOXY SPECIAL MARKING ARROW (TYPE 5)(WHITE)

(233) MARKING CHEVRON EPOXY 24-INCH (WHITE)

(234) MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)

(235) MARKING CONTRAST EPOXY SPECIAL MARKING WORD (WHITE)

(236) MARKING CONTRAST EPOXY SPECIAL MARKING ARROW (TYPE 3)(WHITE)

(237) MARKING CONTRAST EPOXY SPECIAL MARKING ARROW (TYPE 4)(WHITE)

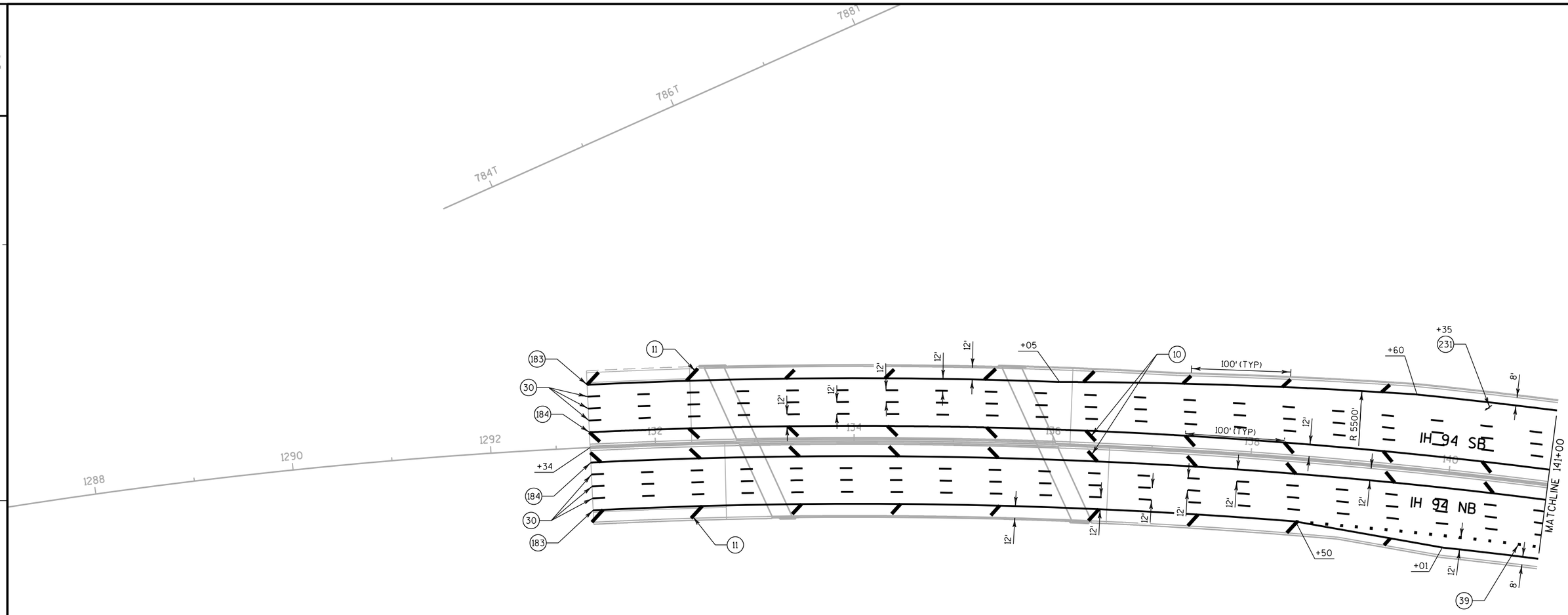
(238) MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (DOT PATTERN YELLOW)
(2 FT LINE 6 FT SKIP)

⊥ SINGLE DELINEATOR

⊙ FLEXIBLE TUBULAR MARKERS MEDIAN

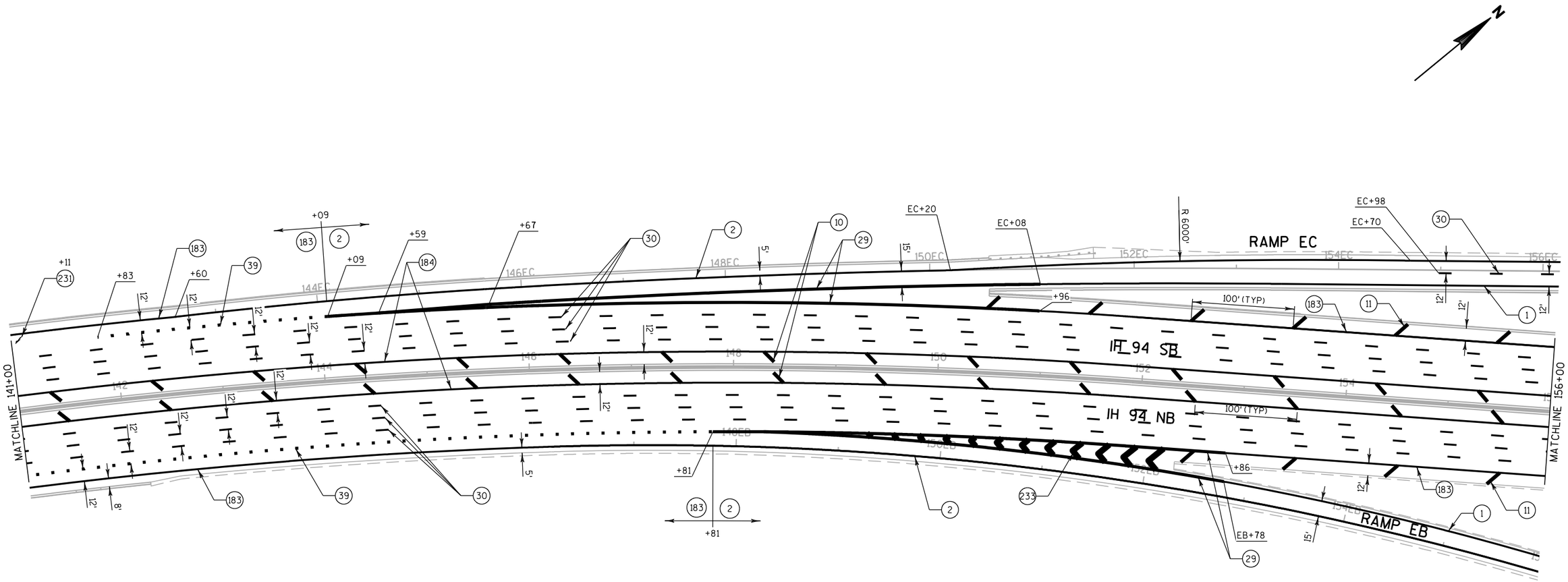
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2



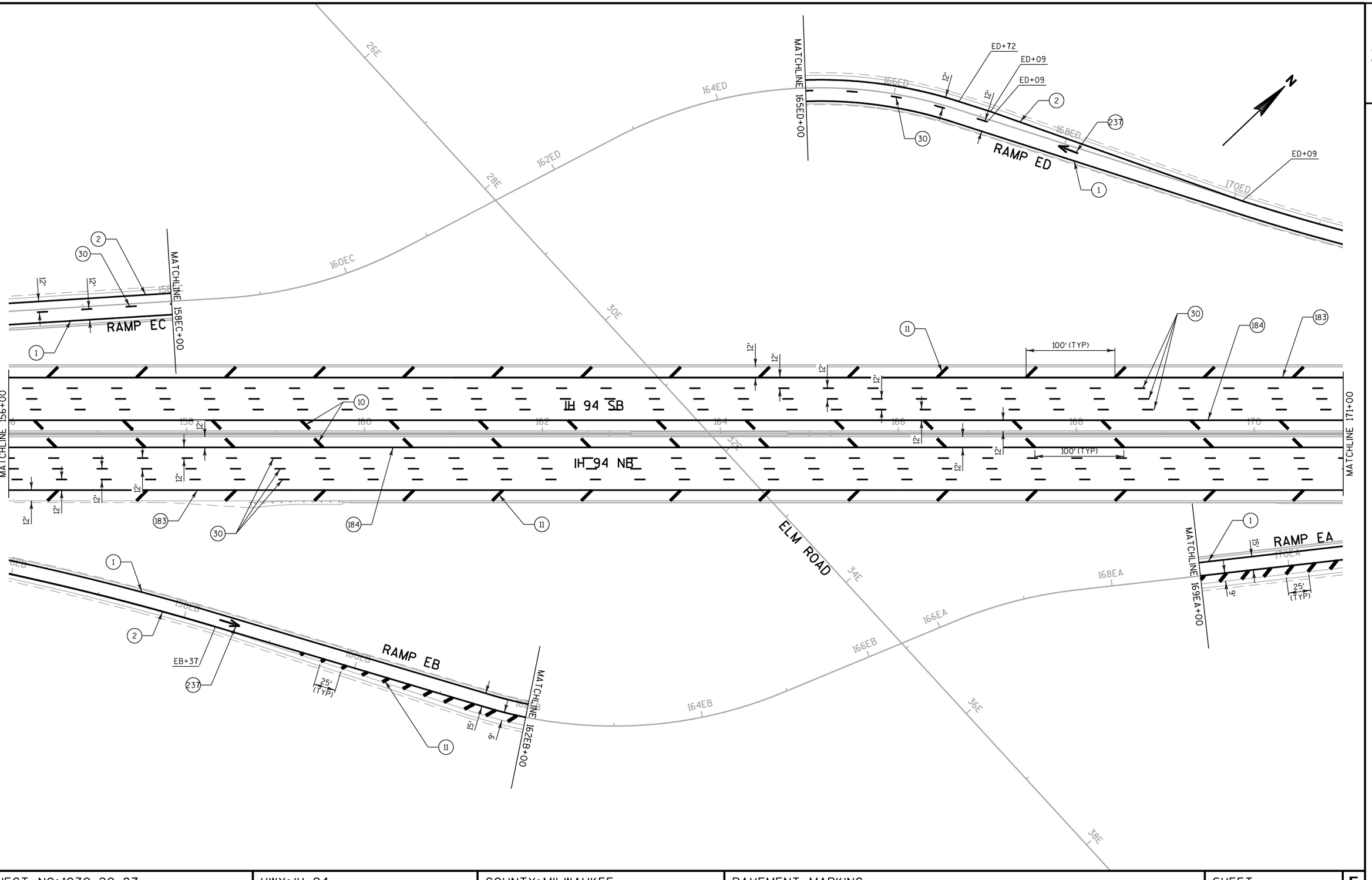
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2



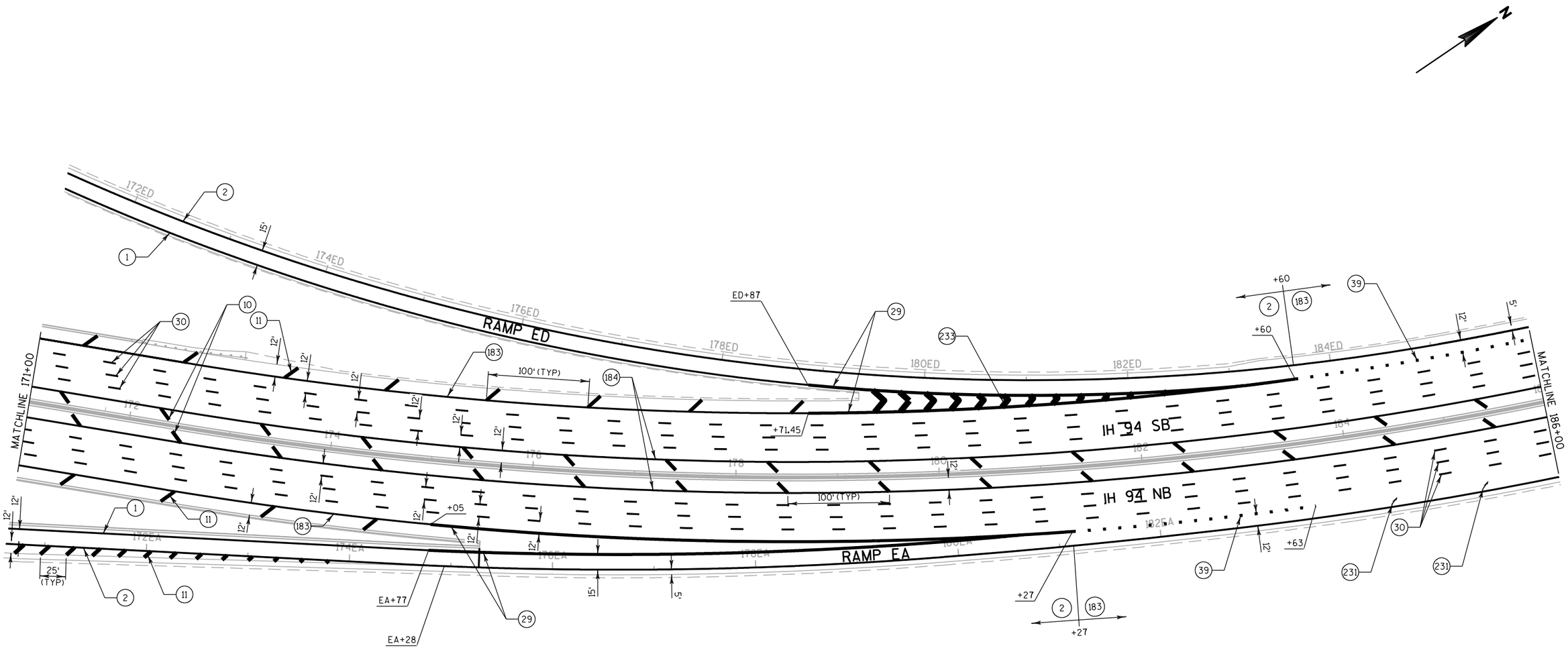
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2



PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET	E

2



PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET	E

2

N

16KW

KW+00

36

KW+50

KW+50

12'

OAKWOOD ROAD

39

183

8"

12'

+25

R 5000'

+77

10

11

12'

MATCHLINE 186+00

MATCHLINE 201+00

IH 94 SB

IH 94 NB

100' (TYP)

100' (TYP)

5'

R 5000'

+00

+53

184

30

183

11

12'

2

KW+50

KW+50

KW+00

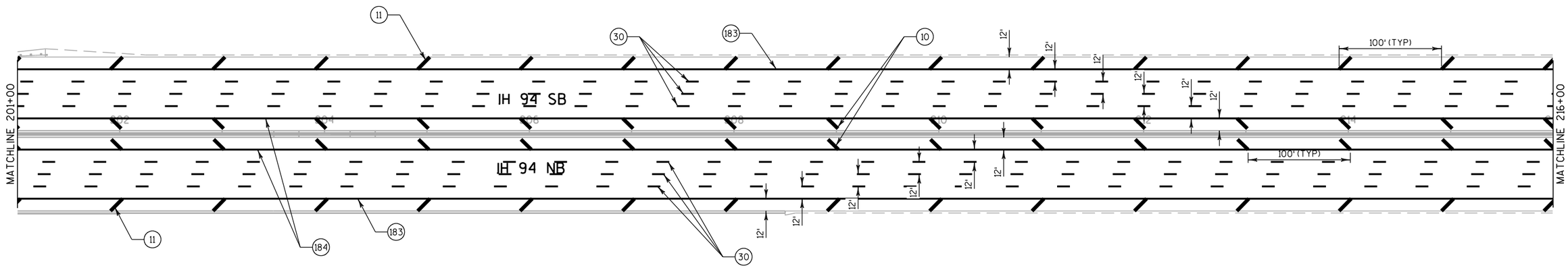
24KW

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET	E

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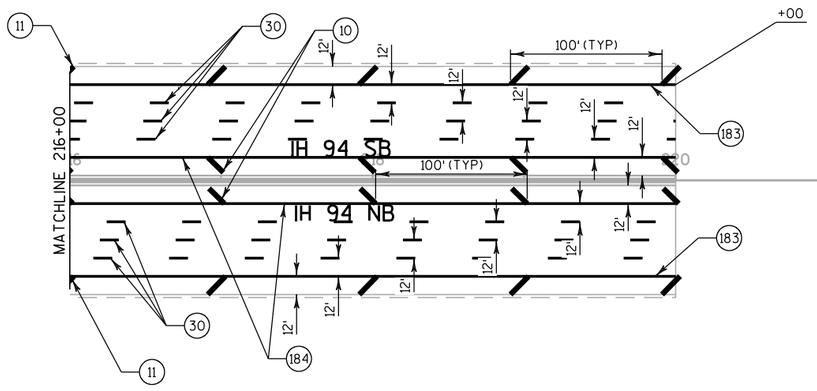
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PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET	E

2

N



222 224 226 228 230

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET	E

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2

2

N

S. 27TH STREET STH 241

ELM ROAD

MATCHLINE 23E+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\024511_pm.dgn PLOT DATE : 11-JUL-2018 21:56 PLOT BY : MSCD1S PLOT NAME : 024511_pm PLOT SCALE : 100:1

2

2

MATCHLINE 165ED+00

RAMP ED

MATCHLINE 169EA+00

RAMP EA

ELM ROAD

MATCHLINE 23E+00

IH 94 SB

IH 94 NB

RAMP EC

MATCHLINE 158EC+00

RAMP EB

MATCHLINE 162EB+00

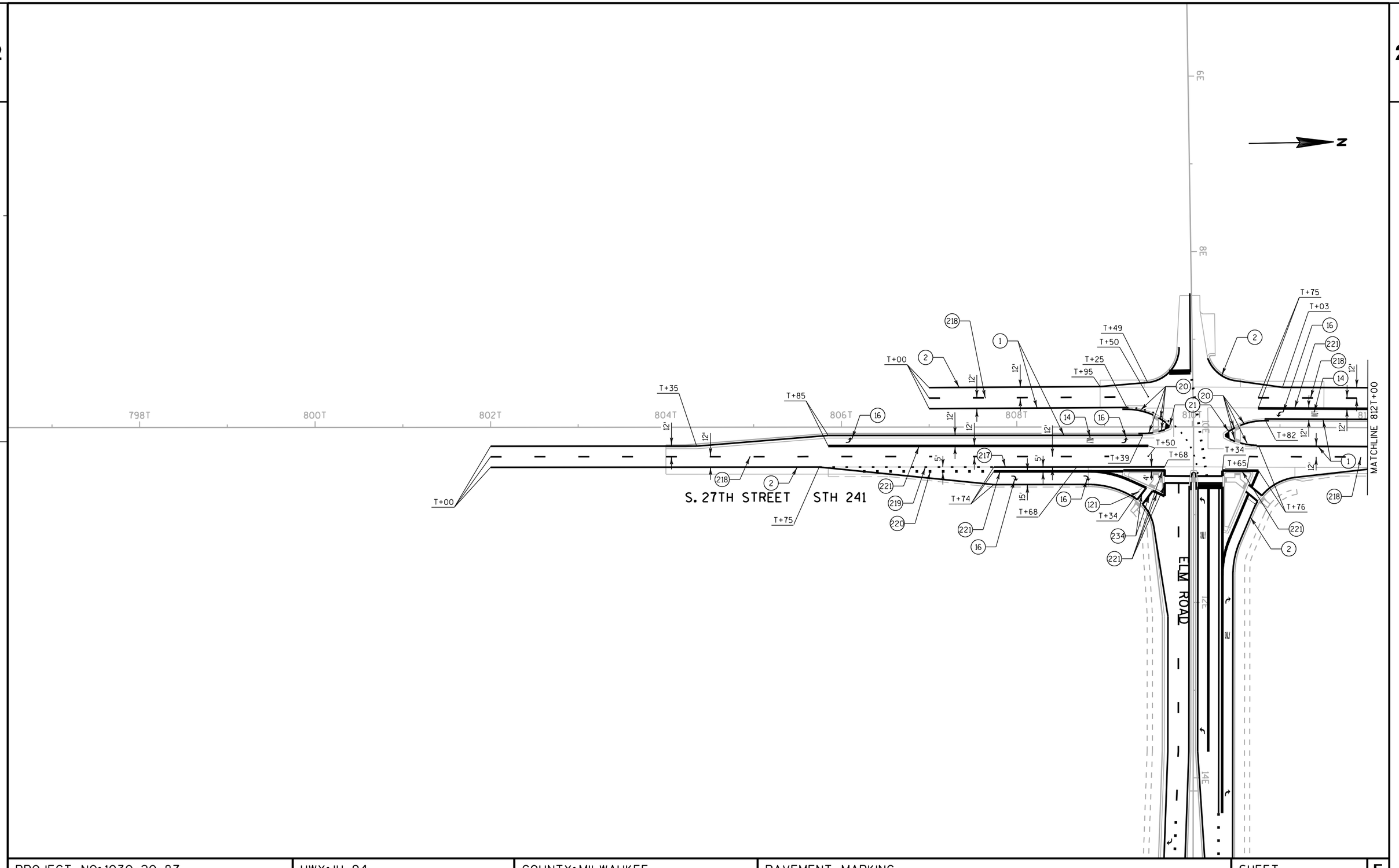
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PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET	E

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WISDOT/CADDS SHEET 42

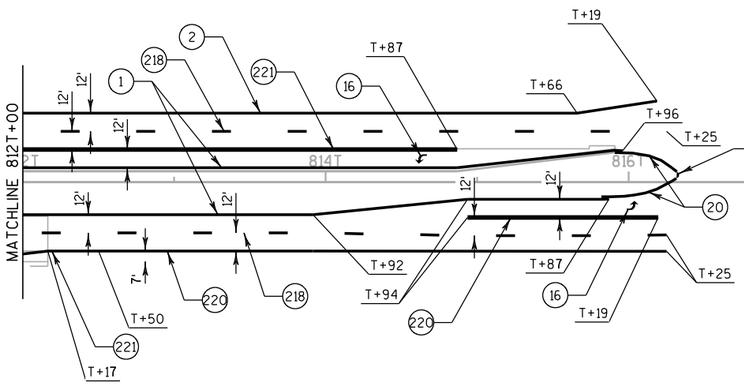
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PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET	E

2

N



PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET	E

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GENERAL NOTES FOR TRAFFIC CONTROL

1) THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

2) CONFLICTING TRAFFIC SIGNS SHALL BE COVERED OR REMOVED AS DIRECTED BY THE ENGINEER. COVERING OR REMOVAL OF SIGNS WILL BE PAID FOR UNDER THE APPROPRIATE BID ITEM.

3) A FLAGGER MAY BE REQUIRED WHERE CONSTRUCTION VEHICLES ENTER OR LEAVE WORK AREAS IF WARRANTED BY CONDITIONS OR AS DIRECTED BY THE ENGINEER. HOWEVER, CONTRACTOR SHALL NOT USE FLAG PERSONS TO DIRECT, STOP OR CONTROL TRAFFIC ON IH 94 AT ANY TIME.

4) ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

5) "WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

6) FOR NIGHTTIME OPERATION ALL DRUMS IN TAPERS SHALL HAVE A TYPE C STEADY BURN WARNING LIGHT.

7) ALL TYPE III BARRICADES SHALL BE 8' WIDE, UNLESS OTHERWISE NOTED, AND EQUIPPED WITH TWO TYPE "A" (LOW INTENSITY FLASHING) LIGHTS.

8) DIMENSIONS TO CONCRETE BARRIER TEMPORARY PRECAST ARE TO THE FACE OF BARRIER ADJACENT TO TRAFFIC. STATION CALL-OUTS TO CONCRETE BARRIER TEMPORARY PRECAST ARE TO THE FACE OF THE BARRIER.

9) THE FACE OF CONCRETE BARRIER TEMPORARY PRECAST ADJACENT TO TRAFFIC SHALL BE PLACED 2 FEET FROM THE EDGE OF TRAVEL WAY UNLESS OTHERWISE NOTED.

10) WORK AREAS SHOWN MAY NOT ILLUSTRATE ALL REMOVALS. SEE REMOVAL SHEETS FOR ADDITIONAL INFORMATION.

11) ALL TEMPORARY RAISED PAVEMENT MARKERS SHALL MATCH THE LINE COLOR OF THE CORRESPONDING PAVEMENT MARKING AND SHALL BE SPACED 25' CENTER TO CENTER ON EDGE LINES OR 50' CENTER TO CENTER ON LANE LINES (UNLESS OTHERWISE NOTED).

12) ALL TRAFFIC CONTROL SIGNS LOCATED IN MEDIANS SHALL BE MOUNTED ON CONCRETE BARRIER UNLESS OTHERWISE NOTED. SEE TRAFFIC CONTROL DETAILS.

13) WHEN A SEGMENT OF THE PROJECT IS NOT SHOWN ON THE STAGING PLANS, USE THE SAME TRAFFIC CONTROL AS THE PREVIOUS STAGE FOR THAT SEGMENT.

GENERAL NOTES FOR FIXED MESSAGE SIGNS FOUND ON TRAFFIC CONTROL SHEETS

1) CONTRACTOR SHALL LOCATE FIXED MESSAGE SIGNS A MINIMUM OF 400' FROM ANY TYPE I SIGN AND A MINIMUM OF 200' FROM ANY TYPE II SIGN, OR AS DIRECTED BY THE ENGINEER.

2) ALL FIXED MESSAGE SIGNS SHALL BE IN ACCORDANCE WITH "WISDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", LATEST EDITION.

3) "BEGIN XXX XX" SIGNS SHALL BE PLACED 10 DAYS PRIOR TO DATE SPECIFIED.

4) "BEGIN XXX XX" SIGNS SHALL BE SEPARATE PANELS AND ARE CONSIDERED AS PART OF THE SIGN AND SHOULD BE REMOVED OR COVERED AFTER THIER EFFECTIVE DATE. THE MONTH AND DAY SHALL BE DIRECTED BY THE ENGINEER IN THE FIELD.

5) SEE FIXED MESSAGE SIGN CONSTRUCTION DETAIL SHEETS FOR MORE INFORMATION.

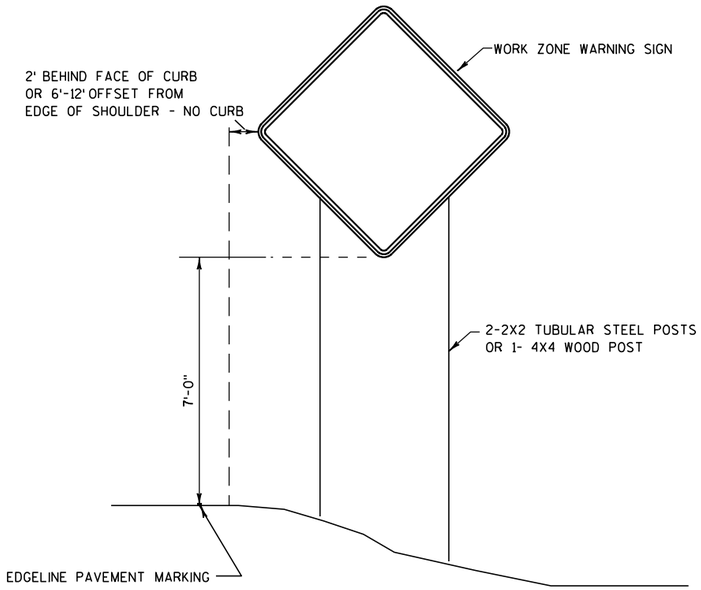
STAGING LEGEND

- TRAFFIC CONTROL BARRICADE TYPE III WITH LIGHTS TYPE A
- TRAFFIC CONTROL BARRICADE TYPE III WITH LIGHTS TYPE A AND ATTACHED SIGN
- TRAFFIC CONTROL BARRICADE TYPE III WITH LIGHTS TYPE A AND ATTACHED SIGN PLACED IN PRIOR STAGE
- FIXED MESSAGE SIGN SURFACE MOUNT
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL ARROW BOARD
- CC — CRASH CUSHION TEMPORARY
- CC — CRASH CUSHION TEMPORARY PLACED IN PRIOR STAGE
- SIGN ON TEMPORARY SUPPORT
- PCMS — TRAFFIC CONTROL SIGN PORTABLE CHANGEABLE MESSAGE
- TRAFFIC CONTROL DRUM WITH LIGHT TYPE C
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER PLACED IN PRIOR STAGE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CONCRETE BARRIER TEMPORARY PRECAST PLACED IN PRIOR STAGE
- TRAFFIC FLOW ARROW
- WORK ZONE THIS STAGE
- TEMPORARY PAVEMENT

TEMPORARY PAVEMENT MARKING LEGEND

- (45) TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
- (46) TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
- (51) TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DASHED WHITE) (12.5 FT LINE 37.5 FT SKIP)
- (233) MARKING CHEVRON EPOXY 24-INCH (WHITE)
- (239) TEMPORARY MARKING LINE EPOXY 4-INCH (YELLOW)
- (240) TEMPORARY MARKING LINE EPOXY 4-INCH (WHITE)
- (241) TEMPORARY MARKING LINE EPOXY 4-INCH (DASHED WHITE) (12.5 FT LINE 37.5 FT SKIP)
- (242) TEMPORARY MARKING LINE EPOXY 8-INCH (DOT PATTERN WHITE) (3 FT LINE 9 FT SKIP)
- (243) TEMPORARY MARKING LINE EPOXY 8-INCH (WHITE)
- (244) TEMPORARY MARKING ARROW EPOXY (TYPE 5)(WHITE)
- (P) PERMANENT PAVEMENT MARKING, SEE PAVEMENT MARKING PLAN
- ▶ TEMPORARY RAISED PAVEMENT MARKERS (ONE-WAY REFLECTOR)

2

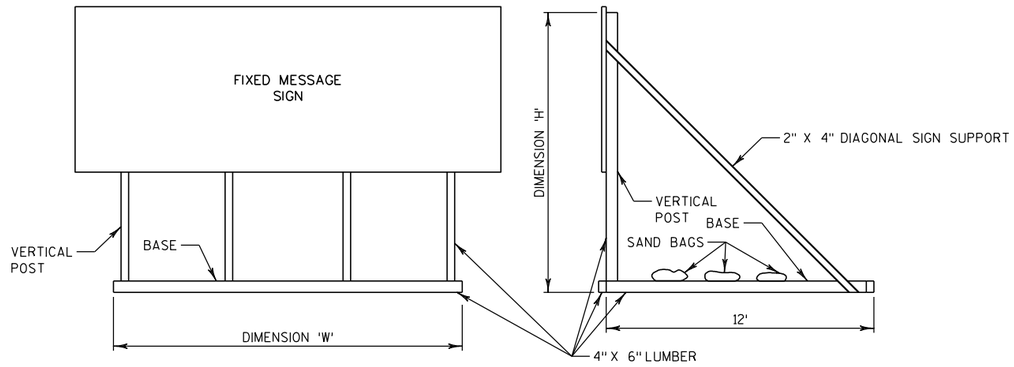


TYPICAL TEMPORARY TRAFFIC CONTROL DETAIL

MOUNTING ON FIXED SUPPORT

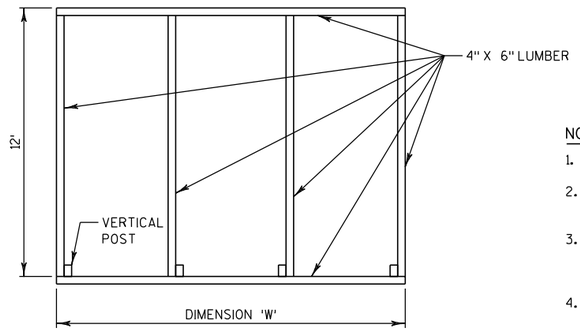
LONG TERM
7 DAYS OR MORE

2



FRONT VIEW

SIDE VIEW



BASE PLAN VIEW

ANTICIPATED DIMENSIONS & POSTS REQUIRED

(FOR INFORMATION ONLY, CONTRACTOR IS TO VERIFY)

SIGN NO.	'W' (FT)	'H' (FT)	NO. OF POSTS OF HEIGHT 'H'
182	13	13	3
185	14	6	4
192	12	10.5	3

NOTES

1. SEE TRAFFIC CONTROL SHEETS FOR SIGN LOCATIONS.
2. TWO DIAGONAL SUPPORTS SHALL BE INCLUDED AND AFFIXED TO THE OUTSIDE SUPPORTS.
3. DIAGONAL SUPPORTS, VERTICAL POSTS AND BASE LUMBER ARE ALL INCLUDED IN THE "FIXED MESSAGE SIGN PORTABLE SUPPORT" ITEM.
4. PROVIDE AN ADEQUATE NUMBER OF SAND BAGS TO HOLD THE SIGN IN PLACE. SAND BAGS ARE INCLUDED IN THE "FIXED MESSAGE SIGN PORTABLE SUPPORT" ITEM.
5. SEE "TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS" SIGN PLATE FOR ADDITIONAL REQUIREMENTS.

NOTE

THIS INSTALLATION METHOD ONLY ALLOWED WHEN BEHIND BARRIER WALL OR GUARDRAIL WHERE POSTS CANNOT BE INSTALLED INTO GROUND.

FIXED MESSAGE SIGN PORTABLE SUPPORT SPECIAL

2

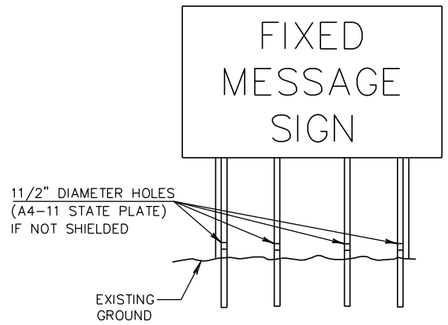
NOTES

1. SEE TRAFFIC CONTROL SHEETS FOR SIGN LOCATIONS.
2. SEE TABLES BELOW FOR REQUIRED NUMBER OF POSTS.

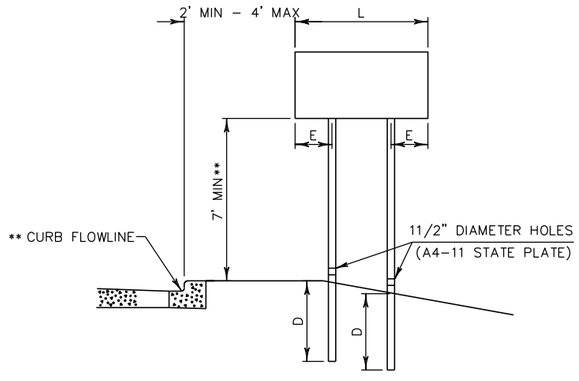
* 6' FROM EDGE OF A PAVED SHOULDER OR 12' FROM THE EDGE OF PAVEMENT (EDGE LINE LOCATION) OR 2' FROM OUTSIDE EDGE OF GRAVEL, WHICHEVER IS GREATER UNLESS DIRECTED BY PROJECT ENGINEER.

** THE EXISTENCE OF CURB AND GUTTER DOES NOT IN ITSELF MANDATE THE VERTICAL CLEARANCE ILLUSTRATED. THAT HEIGHT IS TYPICALLY MEASURED WHERE THERE IS SIDEWALK ADJACENT TO THE ROADWAY OR PARKING IS PERMITTED. IN THE ABSENCE OF SIDEWALK, VERTICAL CLEARANCE IS MEASURED FROM THE TOP OF THE CURB. IF NO SIDEWALK AND NO PARKING, VERTICAL CLEARANCE MAY BE REDUCED TO 5' MINIMUM. OFFSET OF SIGNS IS MEASURED FROM THE CURB FLOWLINE.

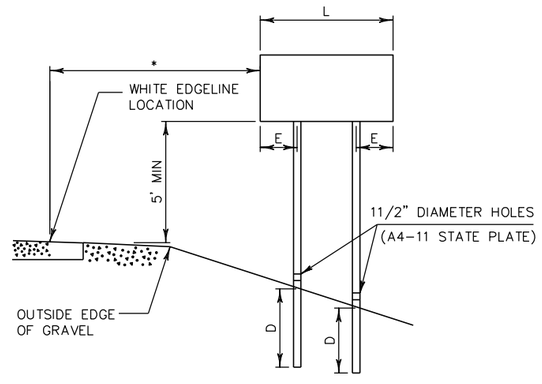
3. 4X6 WOOD POSTS SHALL HAVE TWO HOLES PER STATE PLATE A4–11.

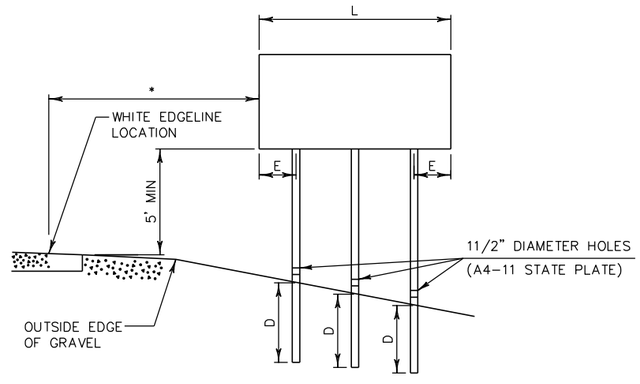


FRONT VIEW



URBAN AREA





RURAL AREA

SIGN SHAPE OTHER THAN DIAMOND (TWO POSTS REQUIRED)	
L	E
GREATER THAN 48" LESS THAN 60"	12"
60" TO 120"	L/5

SIGN SHAPE OTHER THAN DIAMOND (THREE POSTS REQUIRED)	
L	E
GREATER THAN 120" LESS THAN 168"	12"

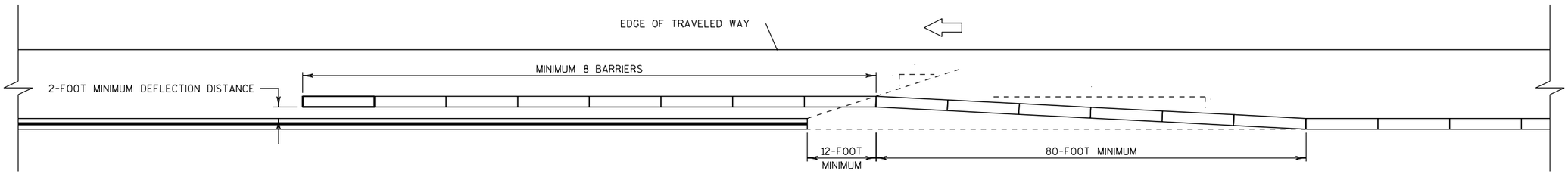
SIGN SHAPE OTHER THAN DIAMOND (FOUR POSTS REQUIRED)	
L	E
168" AND GREATER	12"

POST EMBEDMENT DEPTH

AREA OF SIGN INSTALLATION (SQ. FT.)	D (MIN)
20 OR LESS	4'
GREATER THAN 20	5'

POST MOUNTING DETAIL FOR TRAFFIC CONTROL FIXED MESSAGE SIGNS

2



LEGEND

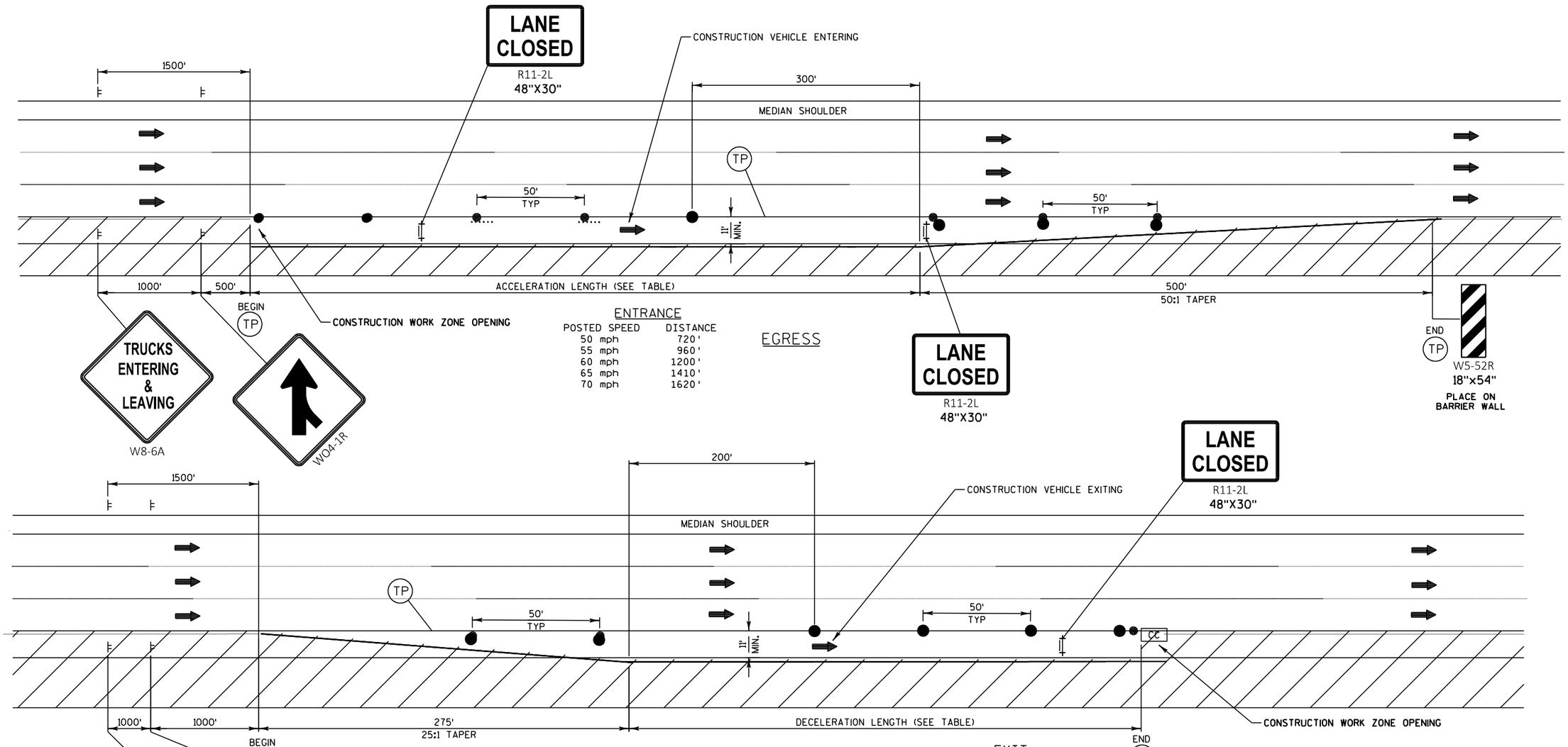
PERMANENT CONCRETE BARRIER

CONCRETE BARRIER TEMPORARY

DIRECTION OF TRAVEL

TEMPORARY PROTECTION OF CONCRETE BARRIER END

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	TRAFFIC CONTROL - CONSTRUCTION DETAILS	SHEET	E



ENTRANCE

POSTED SPEED	DISTANCE
50 mph	720'
55 mph	960'
60 mph	1200'
65 mph	1410'
70 mph	1620'

EGRESS

EXIT

POSTED SPEED	DISTANCE
50 mph	435'
55 mph	480'
60 mph	530'
65 mph	570'
70 mph	615'

INGRESS

LEGEND

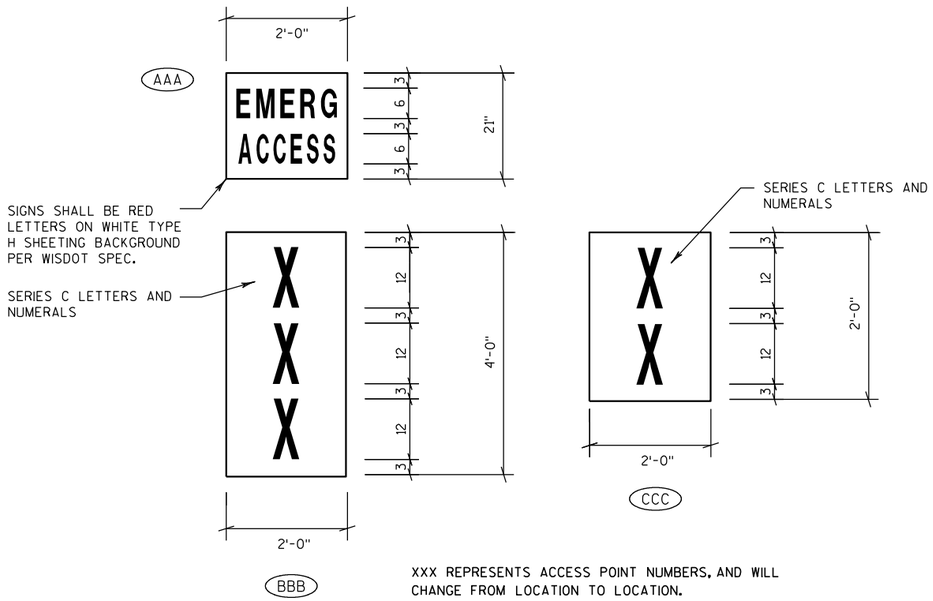
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- DIRECTION OF TRAFFIC
- WORK ZONE
- CC — CRASH CUSHION TEMPORARY
- SIGN ON TEMPORARY SUPPORT
- SIGN MOUNTED ON PERMANENT POST(S)
- TRAFFIC CONTROL BARRICADE TYPE III W/ SIGN W/ TWO (2) TYPE "A" WARNING LIGHTS (FLASHING) (USED WHEN INGRESS/EGRESS NOT IN USE)
- TRAFFIC CONTROL DRUMS (USED WHEN EGRESS/INGRESS NOT IN USE)
- TP — TEMPORARY PAVEMENT MARKING REFLECTIVE PAINT 4-INCH (WHITE, SOLID) (USE YELLOW, SOLID FOR MEDIAN INGRESS/EGRESS)

WORK ZONE INGRESS/EGRESS - 6 LANE

NOTES

1. RIGHT LANE ACCESS SHOWN (MEDIAN LANE ACCESS SIMILAR).
2. WORK ZONE INGRESS/EGRESS LOCATIONS SHALL BE APPROVED BY THE ENGINEER. LOCATIONS FOR WORK ZONE ACCESS TO/FROM THE FREEWAY SHALL NOT BE USED FOR INGRESS AND EGRESS AT THE SAME TIME.
3. THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.
4. TEMPORARY SUPPORTS MAYBE USED IF PLACED BEHIND TEMPORARY BARRIER WALL.
5. ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.
6. THE "WO" SINGS ARE THE SAME AS "W" SIGNS.
7. TRUCKS SHALL USE FLASHING YELLOW BEACON WHEN ENTERING AND EXITING LIVE TRAFFIC.
8. FREE FLOW TRAFFIC LANES SHALL BE A MINIMUM WIDTH OF ELEVEN FEET AND ACCOMMODATE A ONE FOOT SHY DISTANCE FROM TRAFFIC CONTROL DEVICES.
9. ITEMS ON THIS SHEET TO BE PAID USING STANDARD BID ITEMS.

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	TRAFFIC CONTROL - CONSTRUCTION DETAILS	SHEET	E



XXX REPRESENTS ACCESS POINT NUMBERS, AND WILL CHANGE FROM LOCATION TO LOCATION.

EMERGENCY ACCESS SIGNS

NOTES

1. AFTER SIGNS HAVE BEEN LOCATED IN THE FIELD, BUT BEFORE INSTALLATION, THE SIGNING AND MARKING SUPERVISOR SHALL VERIFY EACH SIGN LOCATION.
2. ALL SIGNS TO BE MOUNTED ON WOODEN POST SUPPORTS (4"x6"). THE NUMBER OF POSTS REQUIRED FOR EACH LAYOUT IS SHOWN. STEEL POSTS (2"X2") MAY BE USED FOR SIGNS ON SURFACE STREETS. SIGNS WHERE NO POSTS ARE SHOWN TO BE MOUNTED ON EXISTING SIGNS. FOR SIGNS MOUNTED ON POSTS, USE POSTS FROM FHWA LIST OF ACCEPTED BREAKAWAY SIGN SUPPORTS.
3. SIGNS ON THIS SHEET TO BE PAID UNDER THE ITEM "TRAFFIC CONTROL SIGNS FIXED MESSAGE".
4. SIGNS SHALL BE BLACK NON-REFLECTIVE MESSAGE ON ORANGE TYPE F REFLECTIVE BACKGROUND UNLESS OTHERWISE NOTED.
5. ALL SIGNS SHALL HAVE CAPITAL LETTERS AND NUMERALS: 12" AND 8" CAPS SHALL BE SERIES "D", 6" CAPS SHALL BE SERIES "C" UNLESS OTHERWISE NOTED.
6. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO ENGINEER FOR REVIEW PRIOR TO MANUFACTURING.
7. SIGN BASE MATERIAL SHALL BE ACCORDING TO SECTION 637.2.1.2..
8. DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

(XXX) = FIXED MESSAGE SIGN NUMBER

WORK ZONE INGRESS/EGRESS

2

S 27TH STREET

S HOWELL AVENUE

R11-3
60" X 30"
ROAD CLOSED
1/2 MILES AHEAD
LOCAL TRAFFIC ONLY
TYPE III BARRICADE

ROAD CLOSED 1000 FT W20-3

ROAD CLOSED 500 FT W20-3

ROADWAY CLOSURE

JUDITH PLACE

50'

ROAD CLOSED 500 FT W20-3

SETTLERS WAY

ROAD CLOSED 1000 FT W20-3

M4-9R
30" X 24"
DETOUR
TYPE III BARRICADE

ROAD CLOSED AHEAD W20-3

OAKWOOD ROAD

STEEPLE CHASE DRIVE

ROAD CLOSED AHEAD W20-3

M4-9L
30" X 24"
DETOUR
TYPE III BARRICADE

R11-4
60" X 30"
ROAD CLOSED
TO
THRU TRAFFIC
TYPE III BARRICADE

S 13TH STREET

R11-3
60" X 30"
ROAD CLOSED
1 MILES AHEAD
LOCAL TRAFFIC ONLY
TYPE III BARRICADE

IH 94 SB

IH 94 NB

OAKWOOD ROAD CLOSURE

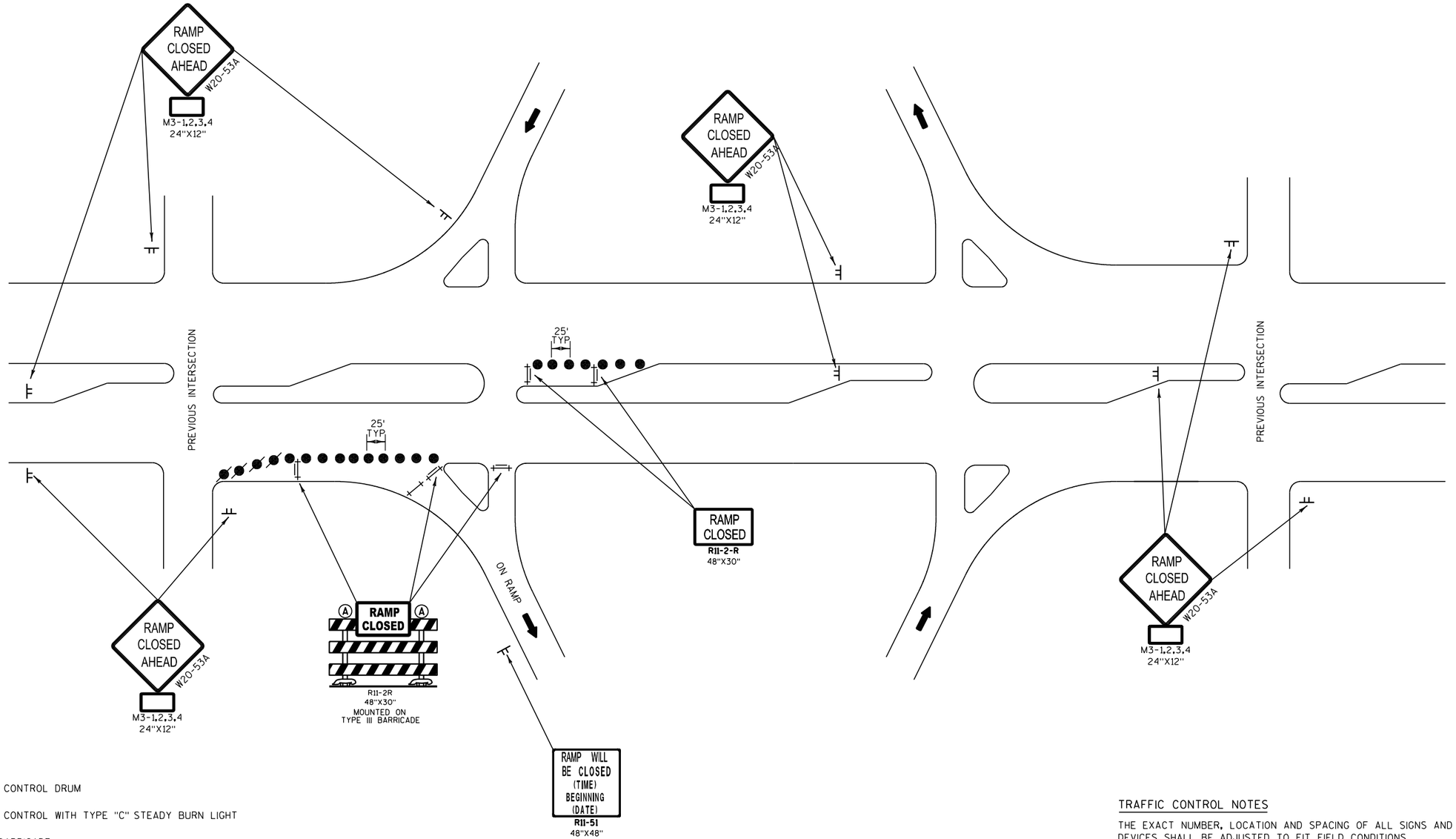
NOTE

SEE TRAFFIC CONTROL PLANS FOR ADDITIONAL TRAFFIC CONTROL DEVICES FOR CLOSURE

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	TRAFFIC CONTROL - CONSTRUCTION DETAILS	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\025104_tc.dgn PLOT DATE : 11-JUL-2018 21:57 PLOT BY : MSCD1S PLOT NAME : 025104_tc PLOT SCALE : 800:1

2



LEGEND

- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH 2 TYPE "A" WARNING LIGHT (FLASHING)
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DIRECTION OF TRAFFIC

TRAFFIC CONTROL NOTES

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

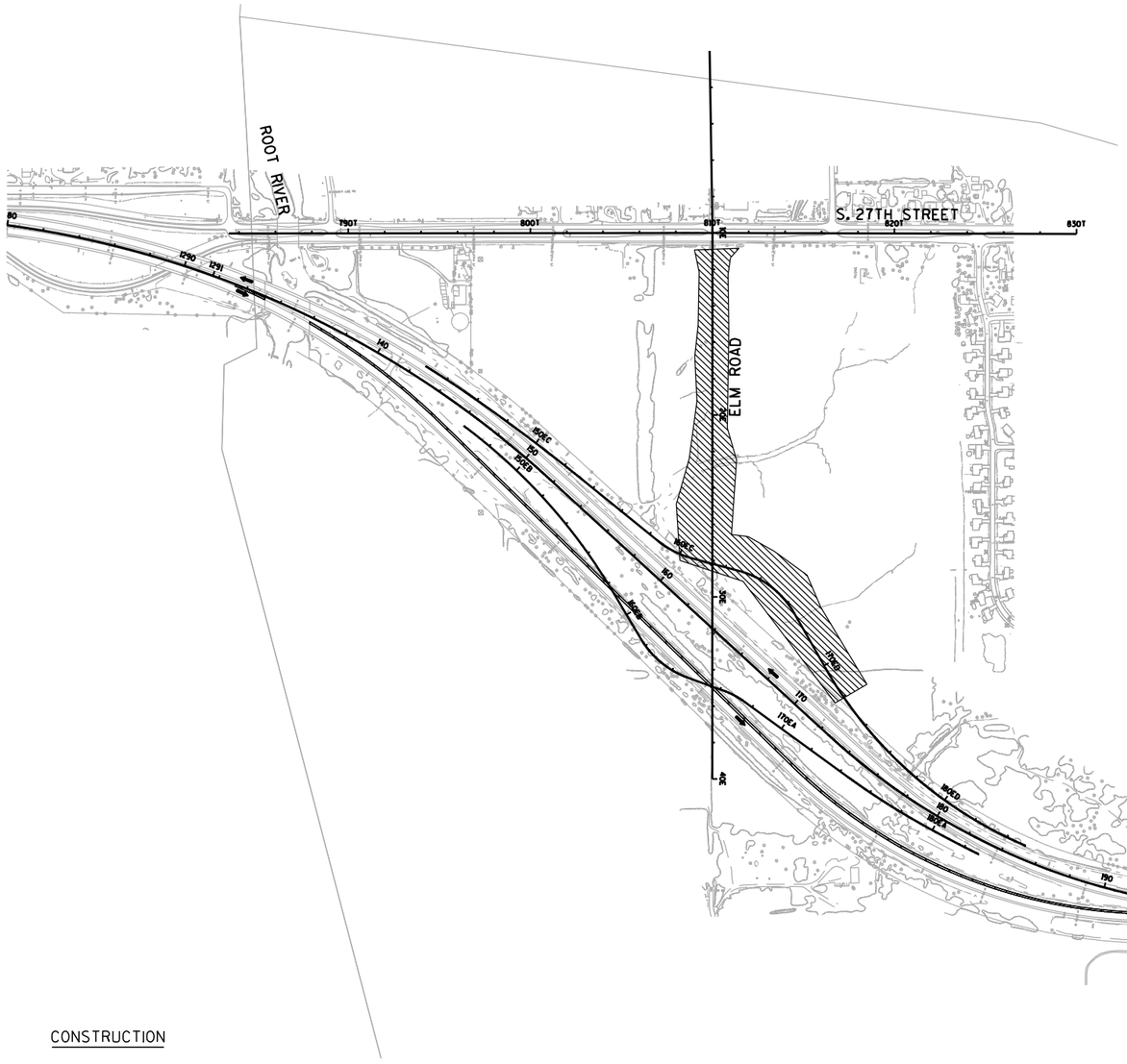
ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

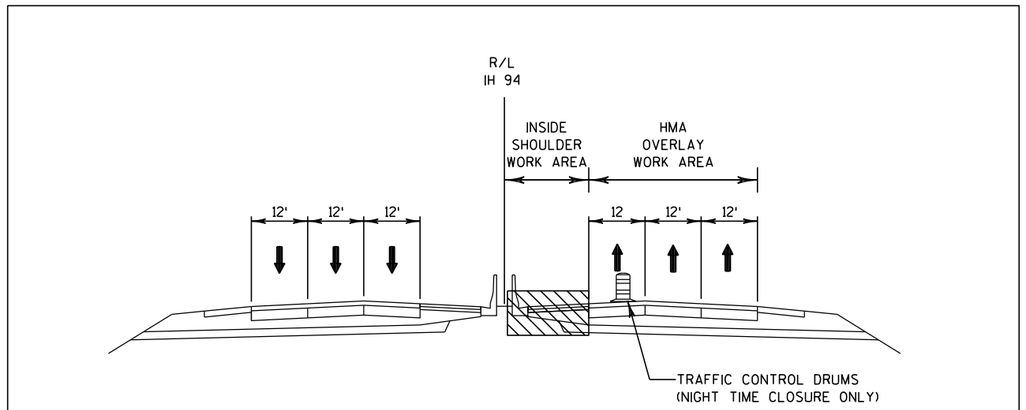
"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

SHORT TERM DEFINED AS 7 DAYS/NIGHTS OR LESS. FOR NIGHT TIME OPERATIONS ALL DRUMS IN TAPERS SHALL HAVE WARNING LIGHT, TYPE C (STEADY BURN). MAY BE APPLIED TO ARTERIALS OR LOCAL ROADS.

TRAFFIC CONTROL FOR ENTRANCE RAMP CLOSURE
SHORT TERM ONLY

PROJECT NO: 1030-20-84	HWY: IH 94	COUNTY: MILWAUKEE	TRAFFIC CONTROL - CONSTRUCTION DETAILS	SHEET	E





STAGE 1A TYPICAL SECTION

LOOKING NORTH

N

CONSTRUCTION

- REMOVING RUMBLE STRIPS ON NB IH 94 INSIDE SHOULDER
- REPAIR NB IH 94 INSIDE SHOULDER AS DIRECTED BY THE ENGINEER
- PLACE HMA PAVEMENT OVERLAY NB INSIDE SHOULDER AND LANES
- BEGIN ELM ROAD GRADING

TRAFFIC

- IH 94 NB - ALL LANES OPEN EXCEPT MAINTAIN ONE LANE MINIMUM DURING NIGHT TIME HOURS FOR WORK ALONG NB ROADWAY
- IH 94 SB - ALL LANES OPEN
- 27TH STREET - ALL LANES OPEN
- OAKWOOD ROAD - ALL LANES OPEN

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 1A OVERVIEW	SHEET	E

2

S. 27TH STREET

7881

786T

784T

R/L T

SEE STAGING PLANS
PROJECT ID 1035-01-82

R/L IH94

IH94 SB

IH94 NB

MATCHLINE 141+00

1288 1290 1292 132 134 136 138 140

REMOVE RUMBLE STRIPS. REPAIR SHOULDER
AS DIRECTED BY THE ENGINEER

ROOT RIVER

R11-2L
48" X 30"
LANE CLOSED

TYPE III BARRICADE

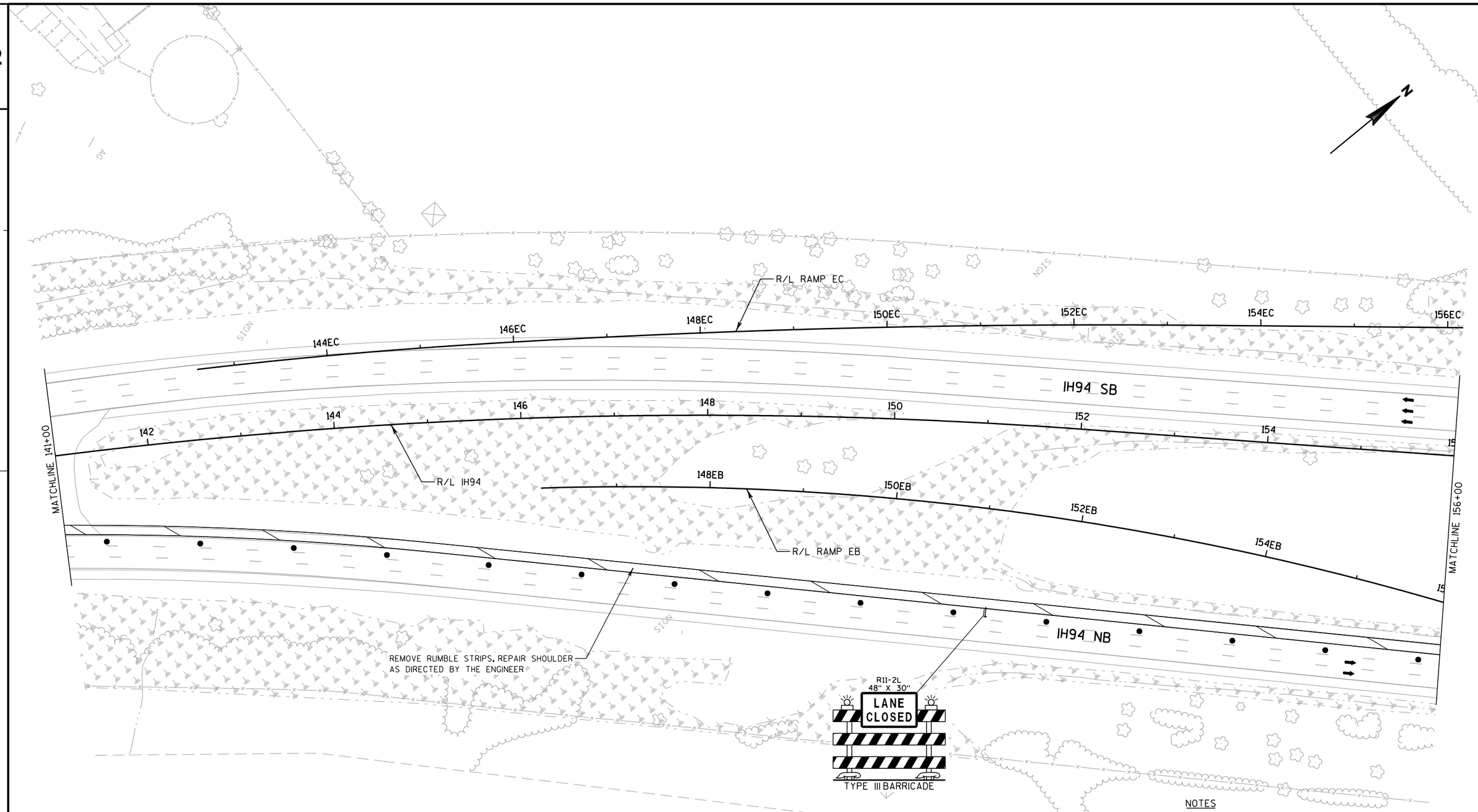
NOTES

1) TRAFFIC CONTROL SHOWN FOR NIGHT TIME LANE CLOSURE FOR INSIDE SHOULDER WORK
2) SEE SDD "TRAFFIC CONTROL, LANE CLOSURE" AND "TRAFFIC CONTROL, TWO LANE CLOSURE ON FREEWAY OR EXPRESSWAY, SHORT-TERM (LESS THAN 24-HOURS)" FOR REQUIRED TRAFFIC CONTROL DURING NIGHT TIME CLOSURES FOR HMA OVERLAY
3) PLACE TEMPORARY MARKING LINE REMOVABLE TAPE TO REPLACE EXISTING MARKINGS AFTER OVERLAY AND PRIOR TO OPENING TO TRAFFIC

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 1A	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\026001_s1a.dgn PLOT DATE : 11-JUL-2018 21:57 PLOT BY : MSCD1S PLOT NAME : 026001_s1a PLOT SCALE : 100:1

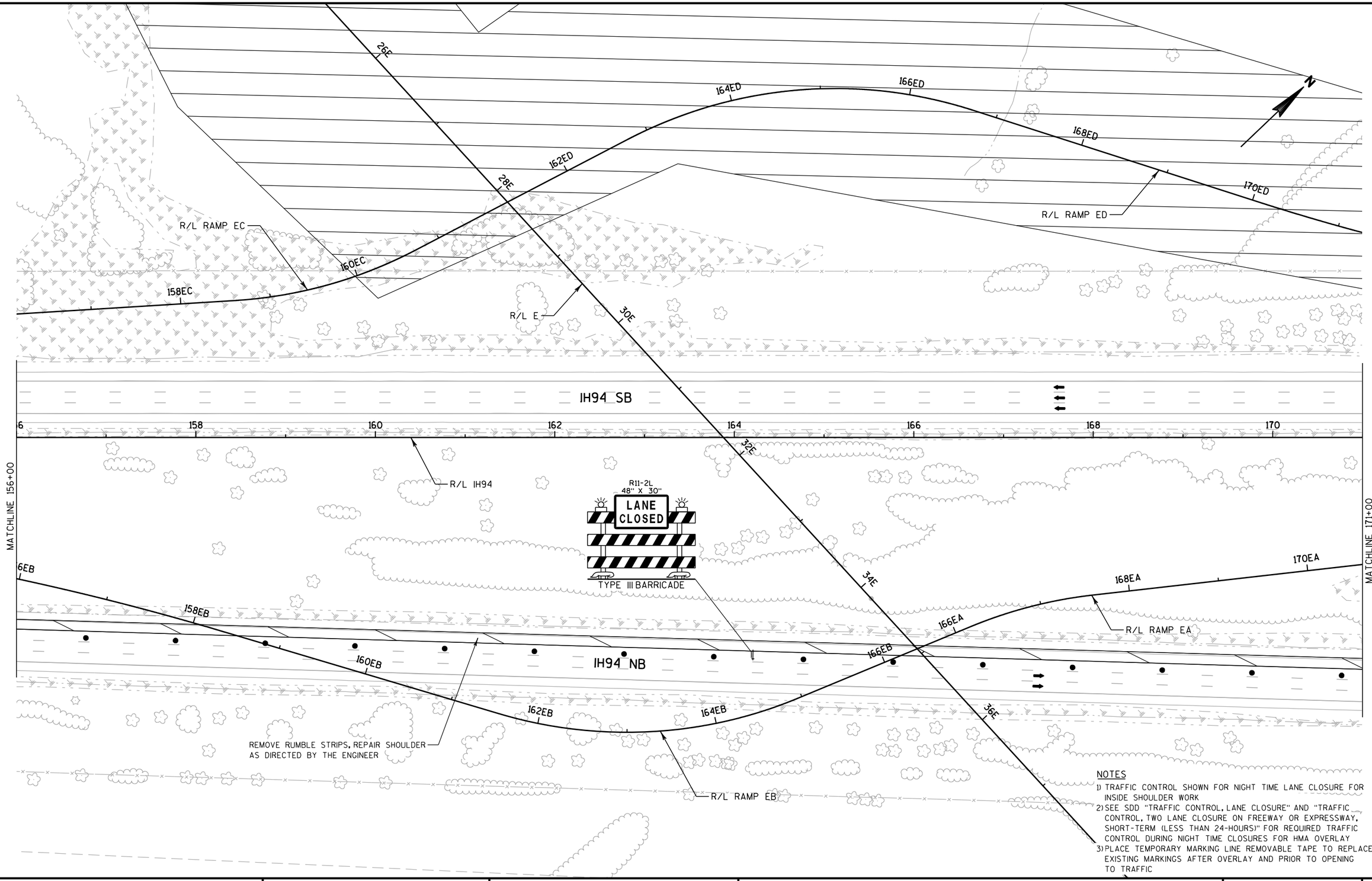
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PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 1A	SHEET	E

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2



NOTES

1) TRAFFIC CONTROL SHOWN FOR NIGHT TIME LANE CLOSURE FOR INSIDE SHOULDER WORK
2) SEE SDD "TRAFFIC CONTROL, LANE CLOSURE" AND "TRAFFIC CONTROL, TWO LANE CLOSURE ON FREEWAY OR EXPRESSWAY, SHORT-TERM (LESS THAN 24-HOURS)" FOR REQUIRED TRAFFIC CONTROL DURING NIGHT TIME CLOSURES FOR HMA OVERLAY
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PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 1A	SHEET	E

2

N

172ED
174ED
176ED
R/L RAMP ED
178ED
180ED
182ED
184ED

R/L IH94

172
174
176
178
180
182
184
IH94 SB

MATCHLINE 171+00

MATCHLINE 186+00

172EA
174EA
176EA
178EA
180EA
182EA

R/L RAMP EA

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

REMOVE RUMBLE STRIPS, REPAIR SHOULDER AS DIRECTED BY THE ENGINEER

BERM
BERM
BERM

IH94 NB

NOTES

1) TRAFFIC CONTROL SHOWN FOR NIGHT TIME LANE CLOSURE FOR INSIDE SHOULDER WORK
2) SEE SDD "TRAFFIC CONTROL, LANE CLOSURE" AND "TRAFFIC CONTROL, TWO LANE CLOSURE ON FREEWAY OR EXPRESSWAY, SHORT-TERM (LESS THAN 24-HOURS)" FOR REQUIRED TRAFFIC CONTROL DURING NIGHT TIME CLOSURES FOR HMA OVERLAY
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PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 1A	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\026004_s1a.dgn PLOT DATE : 11-JUL-2018 21:57 PLOT BY : MSCD1S PLOT NAME : 026004_s1a PLOT SCALE : 100:1

2

2

N

15KW

18KW

20KW

22KW

24KW

OAKWOOD ROAD

R/L KW

IH94 SB

IH94 NB

SETTLERS WAY

MATCHLINE 186+00

MATCHLINE 201+00

186

188

190

192

194

196

198

200

R/L IH94

REMOVE RUMBLE STRIPS, REPAIR SHOULDER AS DIRECTED BY THE ENGINEER

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

ADJUST INLET COVER

ADJUST INLET COVER

SIGN

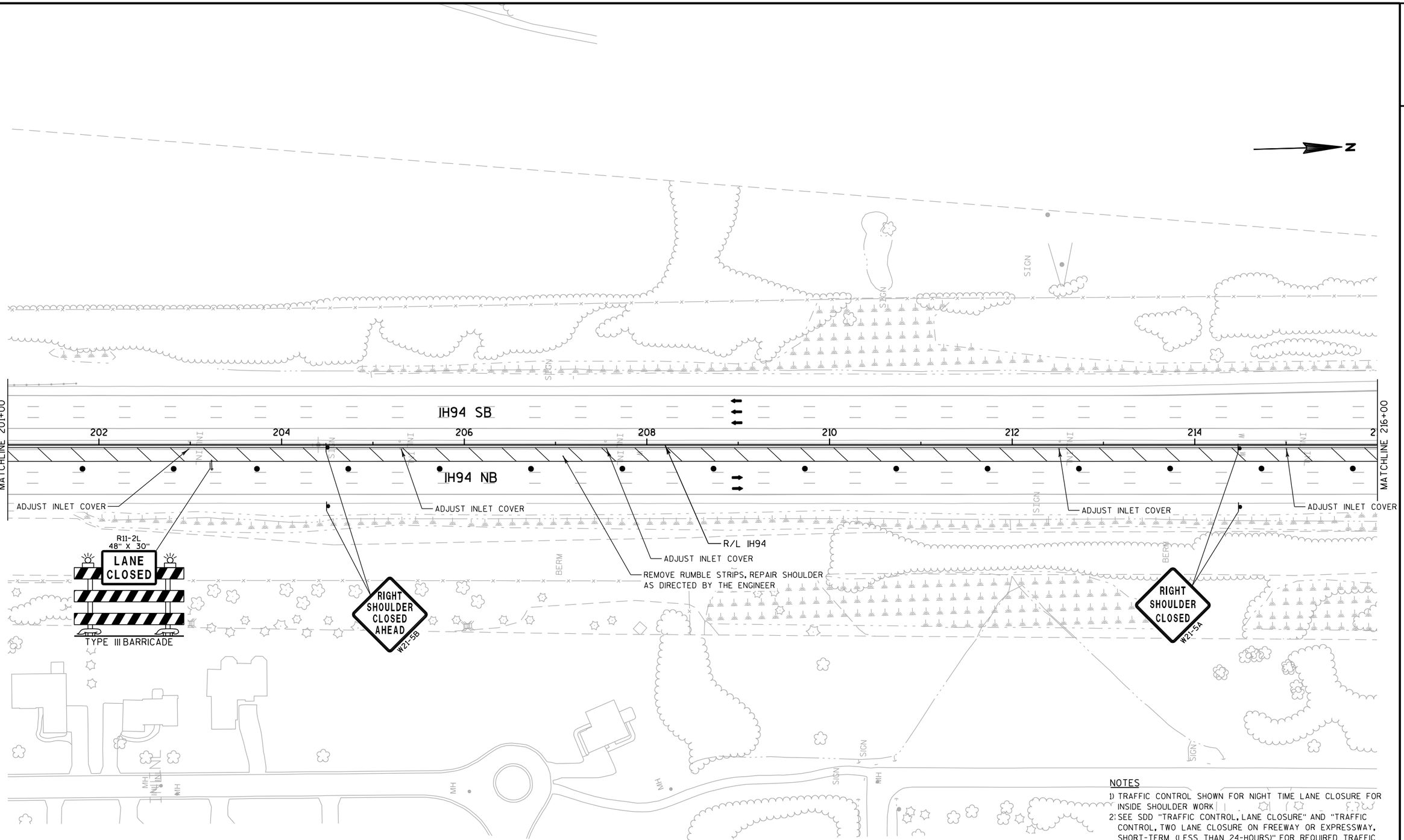
BERM

NOTES

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PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 1A	SHEET	E

2



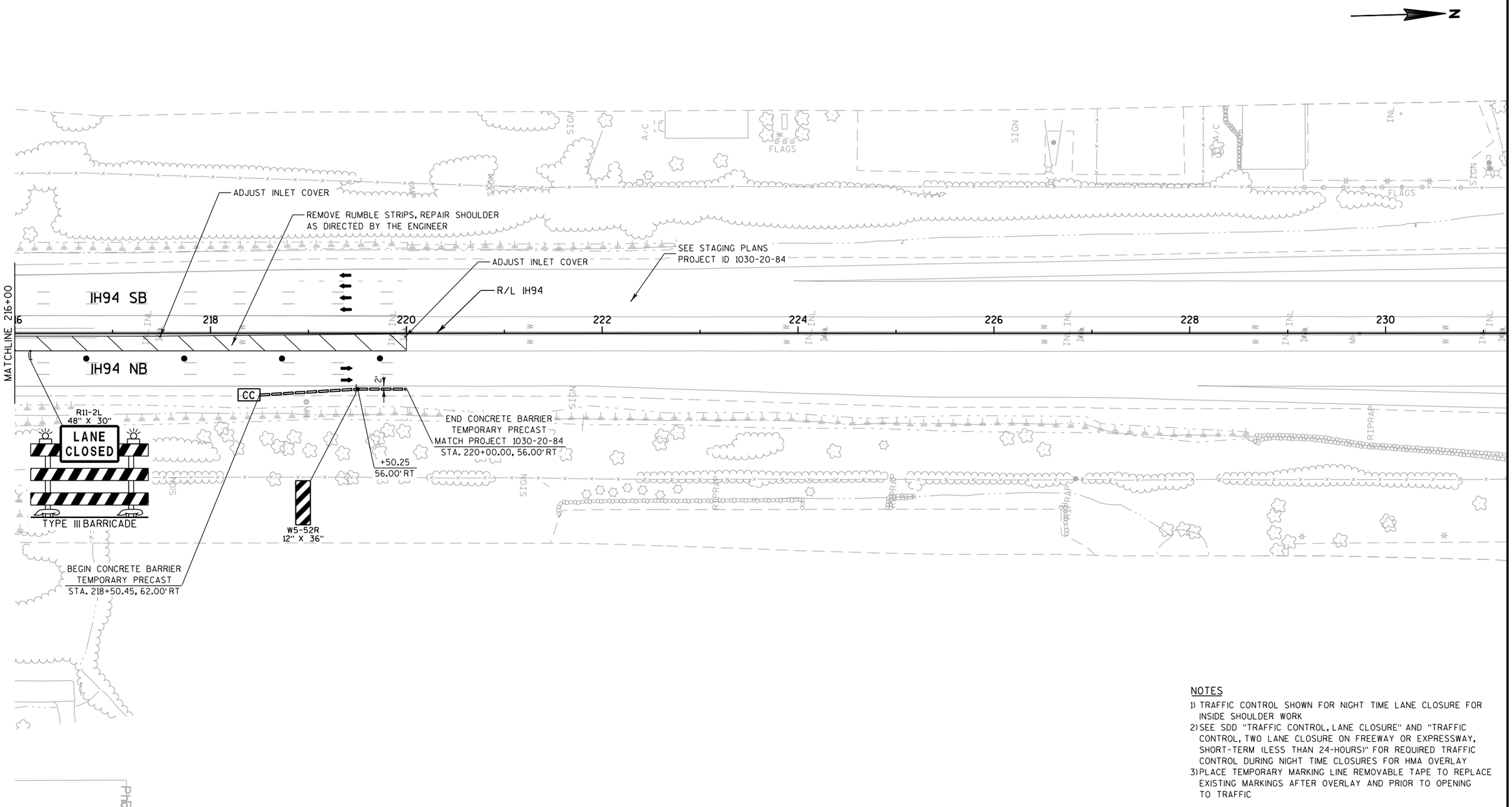
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PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 1A	SHEET	E

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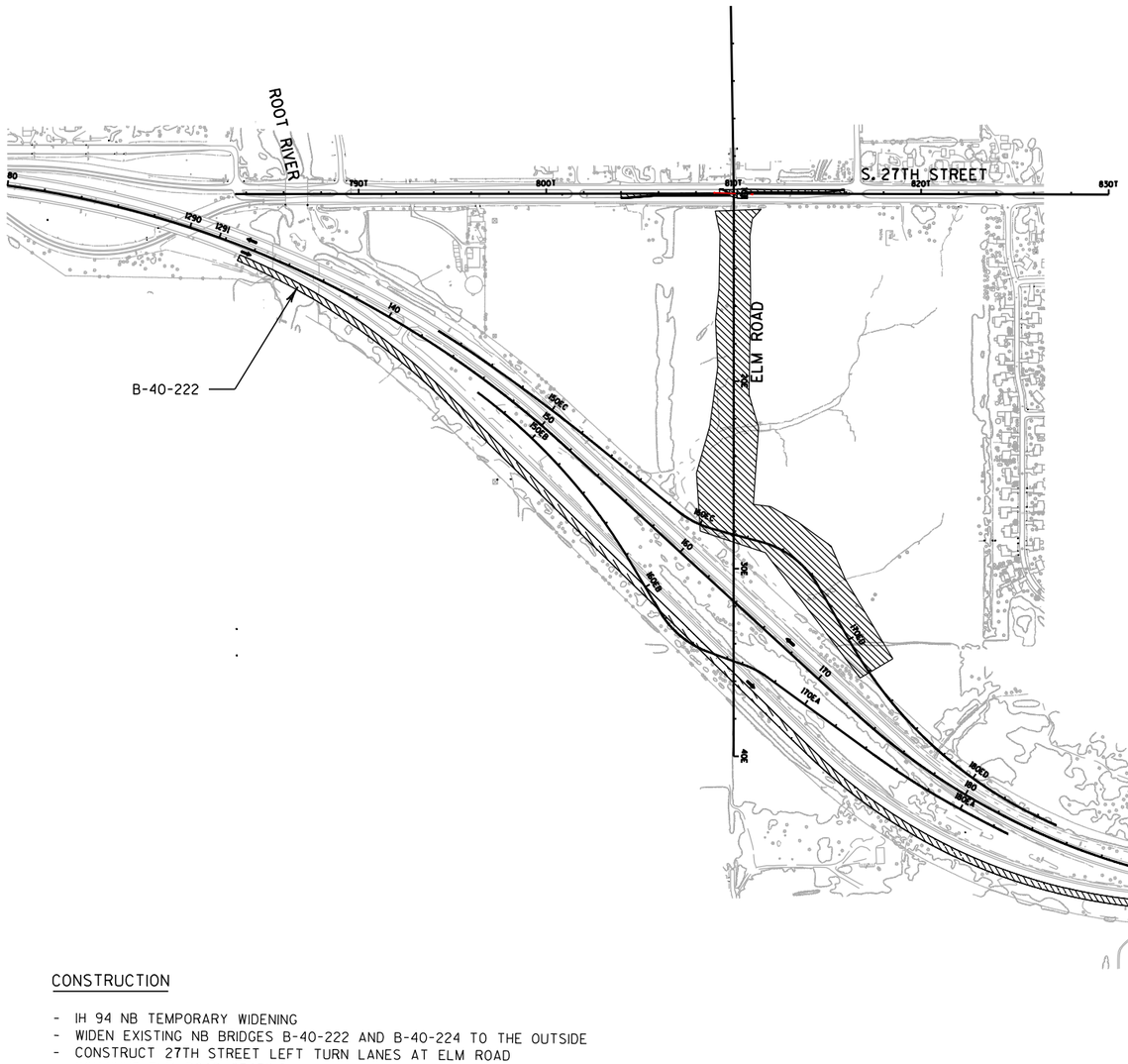
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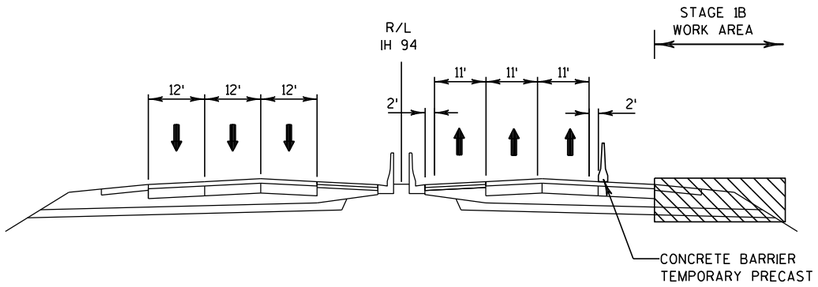


NOTES

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2) SEE SDD "TRAFFIC CONTROL, LANE CLOSURE" AND "TRAFFIC CONTROL, TWO LANE CLOSURE ON FREEWAY OR EXPRESSWAY, SHORT-TERM (LESS THAN 24-HOURS)" FOR REQUIRED TRAFFIC CONTROL DURING NIGHT TIME CLOSURES FOR HMA OVERLAY
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PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 1A	SHEET	E





STAGE 1B TYPICAL SECTION

LOOKING NORTH

CONSTRUCTION

- IH 94 NB TEMPORARY WIDENING
- WIDEN EXISTING NB BRIDGES B-40-222 AND B-40-224 TO THE OUTSIDE
- CONSTRUCT 27TH STREET LEFT TURN LANES AT ELM ROAD
- CONTINUE ELM ROAD GRADING

TRAFFIC

- IH 94 NB - THREE LANES ON EXISTING PAVEMENT AND MEDIAN SHOULDER
- IH 94 SB - ALL LANES OPEN
- 27TH STREET - ONE LANE OPEN IN EACH DIRECTION
- OAKWOOD ROAD - CLOSED TO TRAFFIC

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 1B OVERVIEW	SHEET	E

2

2

S. 27TH STREET

7881

786T

784T

R/L T

ROOT RIVER

SEE STAGING PLANS
PROJECT ID 1035-01-82

R/L IH94

IH94 SB

IH94 NB

1288

1290

1292

132

134

136

138

140

240

241

239

MATCHLINE 141+00

BEGIN CONCRETE BARRIER
TEMPORARY PRECAST
MATCH PROJECT 1035-01-82
STA. 131+34.26, 38.00' RT

+29.85
66.00' RT

+62.45
79.70' RT

B-40-222
WIDENING

Milwaukee Co
ESTR
MOVE FROM EXISTING POSITION

SEE IH 94 TEMP NB PLANS

LOGO LOGO
TRAVEL
INFO
CALL 511
ESTR
MOVE FROM EXISTING POSITION

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 1B	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\026101_s1b.dgn PLOT DATE : 11-JUL-2018 21:58 PLOT BY : MSCD1S PLOT NAME : 026101_s1b PLOT SCALE : 100:1

2

2

N

R/L RAMP EC

144EC 146EC 148EC 150EC 152EC 154EC 156EC

142 144 146 148 150 152 154

IH94 SB

MATCHLINE 141+00

R/L IH94

+62.15
164.15' RT

239 241 240

148EB 150EB 152EB 154EB

R/L RAMP EB

MATCHLINE 156+00

24' 11' 11' 11' 5'

IH94 NB

SIGN

NOTS

NOTS

CITY OF
Oak Creek

ESTR
MOVE FROM EXISTING POSITION

NORTH WEST NORTH
41 94 41

ESTR
MOVE FROM EXISTING POSITION

SEE IH 94 TEMP NB PLANS

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 1B	SHEET	E

2

2

N

26E

28E

30E

32E

34E

36E

38E

162ED

164ED

166ED

168ED

170ED

R/L RAMP EC

R/L RAMP ED

158EC

160EC

R/L E

IH94 SB

158

160

162

164

166

168

170

R/L IH94

MATCHLINE 156+00

MATCHLINE 171+00

6EB

158EB

160EB

162EB

164EB

165EB

166EA

168EA

170EA

240

241

239

IH94 NB

R/L RAMP EA

2%

11"

11"

11"

5%

SEE IH 94 TEMP NB PLANS

R/L RAMP EB

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 1B	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\026103_s1b.dgn PLOT DATE : 11-JUL-2018 21:58 PLOT BY : MSCD1S PLOT NAME : 026103_s1b PLOT SCALE : 100:1

2

2

N

172ED
174ED
176ED
R/L RAMP ED
178ED
180ED
182ED
184ED

R/L IH94
172
174
176
178
180
182
184
IH94 SB

MATCHLINE 171+00
MATCHLINE 186+00

172EA
174EA
176EA
178EA
180EA
182EA
R/L RAMP EA

BERM
BERM
BERM

+21.25
291.30' RT
239
241
240

IH94 NB

SEE IH 94 TEMP NB PLANS

ESTR
MOVE FROM
EXISTING POSITION

EXIT 322
100
Ryan Rd
1 MILE

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 1B	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\026104_s1b.dgn PLOT DATE : 11-JUL-2018 21:58 PLOT BY : MSCD1S PLOT NAME : 026104_s1b PLOT SCALE : 100:1

NOTE:
SEE OAKWOOD ROAD CLOSURE DETAIL FOR ADVANCED TRAFFIC CONTROL SIGNS DURING OAKWOOD ROAD CLOSURE

R/L KW

15KW

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

18KW

OAKWOOD ROAD

20KW

22KW

24KW

N

MATCHLINE 186+00

188 190 192 194 196 198 200

MATCHLINE 201+00

IH94 SB

IH94 NB

R/L IH94

239 241 240

+0.75
42.65' RT

+6.50
66.80' RT

+43.25
103.00' RT

+49.00
119.60' RT

B-40-224
WIDENING

SEE IH 94 TEMP NB PLANS

Oakwood Rd
10300 SOUTH
ESTR
MOVE FROM EXISTING POSITION

OVERSIZE LOADS
RESTRICTED
BEYOND NEXT EXIT
ESTR
MOVE FROM EXISTING POSITION

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

SETTLERS WAY

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 1B	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\026105_s1b.dgn PLOT DATE : 11-JUL-2018 21:58 PLOT BY : MSCD1S PLOT NAME : 026105_s1b PLOT SCALE : 100:1

2

2

N

R/L IH94

IH94 SB

IH94 NB

MATCHLINE 201+00

MATCHLINE 216+00

202 204 206 208 210 212 214

SEE IH 94 TEMP NB PLANS

239 241 240 240

+00.00
42.00'RT

W1-4C

50
M.P.H.

W013-1
24" X 24"

Park & Ride
EXIT 322

ESTR
MOVE FROM EXISTING POSITION

HOSPITAL
EXIT 322

ESTR
MOVE FROM EXISTING POSITION

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 1B	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\026106_s1b.dgn PLOT DATE : 11-JUL-2018 21:58 PLOT BY : MSCD1S PLOT NAME : 026106_s1b PLOT SCALE : 100:1

2

2

N

IH94 SB

IH94 NB

MATCHLINE 216+00

216

218

220

222

224

226

228

230

12

12

12

24

R/L IH94

SEE STAGING PLANS
PROJECT ID 1030-20-84

END CONCRETE BARRIER
TEMPORARY PRECAST
MATCH PROJECT 1030-20-84
STA. 220+00.00, 56.00' RT

240

239

SEE IH 94 TEMP NB PLANS

SIGN

A/C

FLAGS

INL

STORM

RIPRAP

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 1B	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\026107_s1b.dgn PLOT DATE : 11-JUL-2018 21:58 PLOT BY : MSCD1S PLOT NAME : 026107_s1b PLOT SCALE : 100:1

2

N

ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48" X 24"

W01-6
48" X 24"
TYPE III BARRICADE

SEE STAGING PLANS
PROJECT ID 1035-01-82

550' TAPER

R/L T

S. 27TH STREET

STH 241

798T 800T 802T 804T 806T 808T 810T

MATCHLINE 812T+00

+95.00
33.00' LT

+50.00
33.00' LT

+00.00
33.00' RT

+90.00
33.00' RT

45 239

12

500'

LEFT LANE CLOSED AHEAD
W20-5

W04-2L

1000'

W01-6
48" X 24"
TYPE III BARRICADE

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

ELM ROAD

R/L E

36E 38E 12E 14E

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 1B	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\026113_s1b.dgn PLOT DATE : 11-JUL-2018 21:58 PLOT BY : MSCD1S PLOT NAME : 026113_s1b PLOT SCALE : 100:1

2

N

ROAD WORK AHEAD
W20-1A

W01-6
48" X 24"
TYPE III BARRICADE

DRIVEWAY

WALL

SIGN

SLAB

SIGN

45

550' TAPER

1000'

1000'

W04-2L

LEFT LANE CLOSED AHEAD
W20-5

ROAD WORK AHEAD
W20-1A

500'

12'

812T

814T

816T

818T

820T

822T

824T

826T

MATCHLINE 812T+00

S. 27TH STREET

STH 241

45

R/L T

END ROAD WORK
G20-2A
48" X 24"

RUINS

WALL

MH

ST JOHN'S WAY

POOL

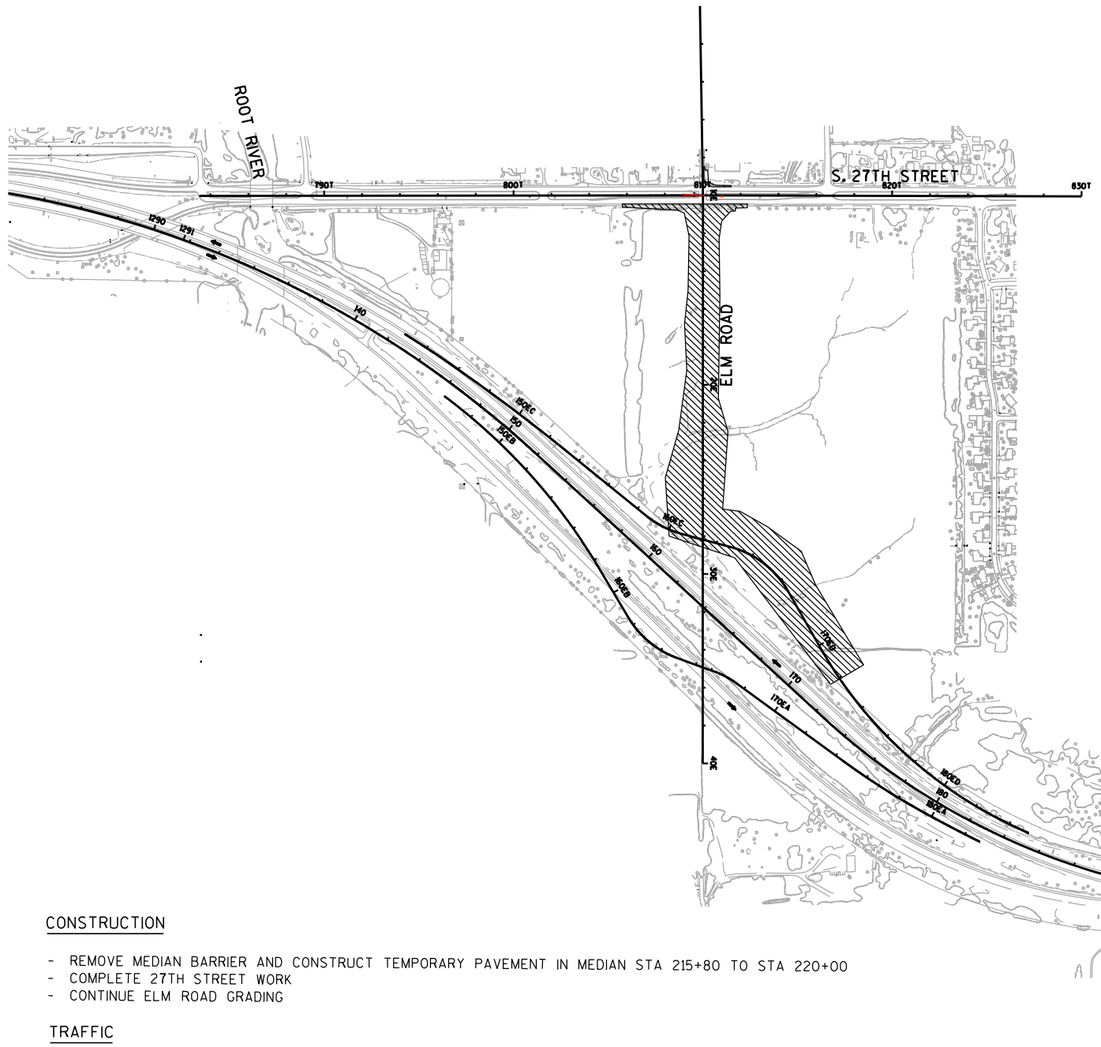
MH

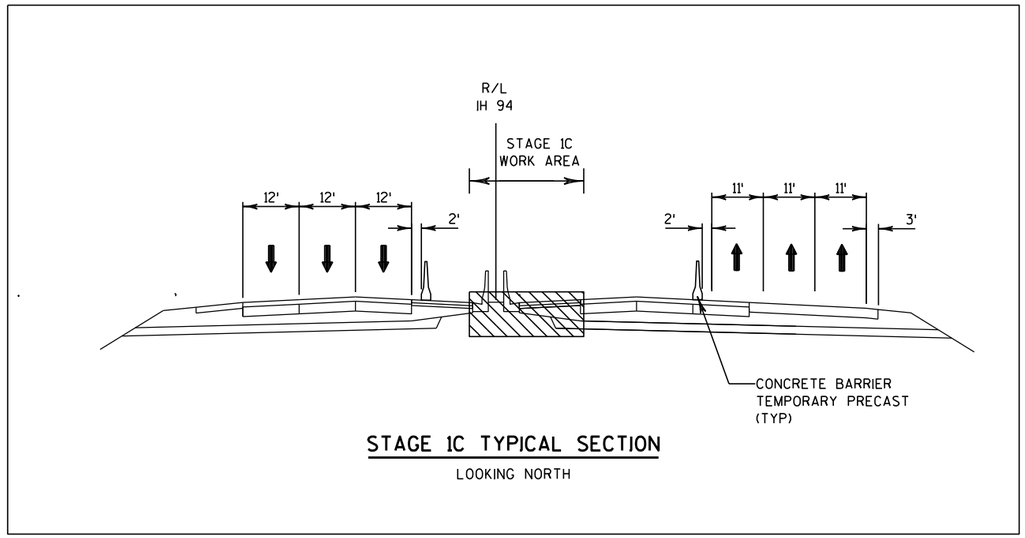
MH

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 1B	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\026114_s1b.dgn PLOT DATE : 11-JUL-2018 21:58 PLOT BY : MSCD1S PLOT NAME : 026114_s1b PLOT SCALE : 100:1

2





STAGE 1C TYPICAL SECTION

LOOKING NORTH

N

CONSTRUCTION

- REMOVE MEDIAN BARRIER AND CONSTRUCT TEMPORARY PAVEMENT IN MEDIAN STA 215+80 TO STA 220+00
- COMPLETE 27TH STREET WORK
- CONTINUE ELM ROAD GRADING

TRAFFIC

- IH 94 NB - THREE LANES ON EXISTING PAVEMENT AND NB TEMPORARY WIDENING
- IH 94 SB - ALL LANES OPEN
- 27TH STREET - ONE LANE OPEN IN EACH DIRECTION
- OAKWOOD ROAD - CLOSED TO TRAFFIC

NOTE:

FOR STAGE 1C NB PAVEMENT MARKING AND TRAFFIC POSITION,
SEE STAGE 2 TRAFFIC CONTROL SHEETS

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 1C OVERVIEW	SHEET	E

2

N

BEGIN CONCRETE BARRIER
TEMPORARY PRECAST
STA. 215+00.00, 16.50' LT

SEE PROJECT ID 1030-20-84 FOR
CROSSOVER PAVEMENT QUANTITIES

COVER PLATE TEMPORARY

ADJUST INLET COVERS AND FASTENIG
SEWER ACCESS COVERS

END CONCRETE BARRIER
TEMPORARY PRECAST
MATCH PROJECT 1030-20-84
STA. 220+00.00, 16.50' LT

SEE STAGING PLANS
PROJECT ID 1030-20-84

ADJUST INLET COVERS AND FASTENIG
SEWER ACCESS COVERS

R/L IH94

IH94 SB

214 216 218 220 222 224 226 228

COVER PLATE TEMPORARY

IH94 NB

11' 11' 2' 2'

50'
(TYP)

CC

END CONCRETE BARRIER
TEMPORARY PRECAST
MATCH PROJECT 1030-20-84
STA. 220+00.00, 42.00' RT

END CONCRETE BARRIER
TEMPORARY PRECAST
MATCH PROJECT 1030-20-84
STA. 220+00.00, 79.00' RT

BEGIN CONCRETE BARRIER
TEMPORARY PRECAST
STA. 214+00.00, 44.00' RT

BEGIN CONCRETE BARRIER
TEMPORARY PRECAST
STA. 218+50.50, 79.00' RT

239

241

240

W5-52R
12" X 36"

NOTE:
OTHER NB STAGE 1C TRAFFIC CONTROL SHOWN
ON STAGE 2 TRAFFIC CONTROL SHEETS

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 1C	SHEET	E

2

N

ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48" X 24"

SEE NOTE 1

SEE STAGING PLANS
PROJECT ID 1035-01-82

R/L T

S. 27TH STREET

STH 241

798T 800T 802T 804T 806T 808T 810T 812T

MATCHLINE 812T+00

12'

500'

RIGHT LANE CLOSED AHEAD
W20-5

W04-2R

1000'

46

+00.00
35.00' RT

240

+90.00
35.00' RT

W01-6
48" X 24"
TYPE III BARRICADE

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

ELM ROAD

12E

14E

R/L E

NOTES:

1) MIRROR TRAFFIC CONTROL BARRELS ON EXISTING ELM ROAD TO COMPLETE SOUTH-WEST CORNER OF INTERSECTION, MAINTAIN ACCESS TO ELM ROAD WEST OF 27TH STREET AT ALL TIMES SEE SDD FOR LANE CLOSURE WITH FLAGGER WHEN LANE ON ELM ROAD WEST OF 27TH STREET IS CLOSED

SEE SDD FOR LANE CLOSURES ON 27TH STREET TO MILL & OVERLAY TOWARDS THE END OF STAGE 2

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 1C	SHEET	E

2

N

W01-6
48" X 24"
TYPE III BARRICADE

ROAD WORK AHEAD
W20-1A

DRIVEWAY

WALL

SIGN

SLAB

SIGN

46

1000'

1000'

W04-2R

RIGHT LANE CLOSED AHEAD
W20-5

ROAD WORK AHEAD
W20-1A

S. 27TH STREET

STH 241

812T+00

812T

814T

816T

818T

820T

822T

824T

826T

MATCHLINE

12'

INL

12'

46

END ROAD WORK
G20-2A
48" X 24"

R/L T

RUINS

WALL

ST JOHNS WAY

MH

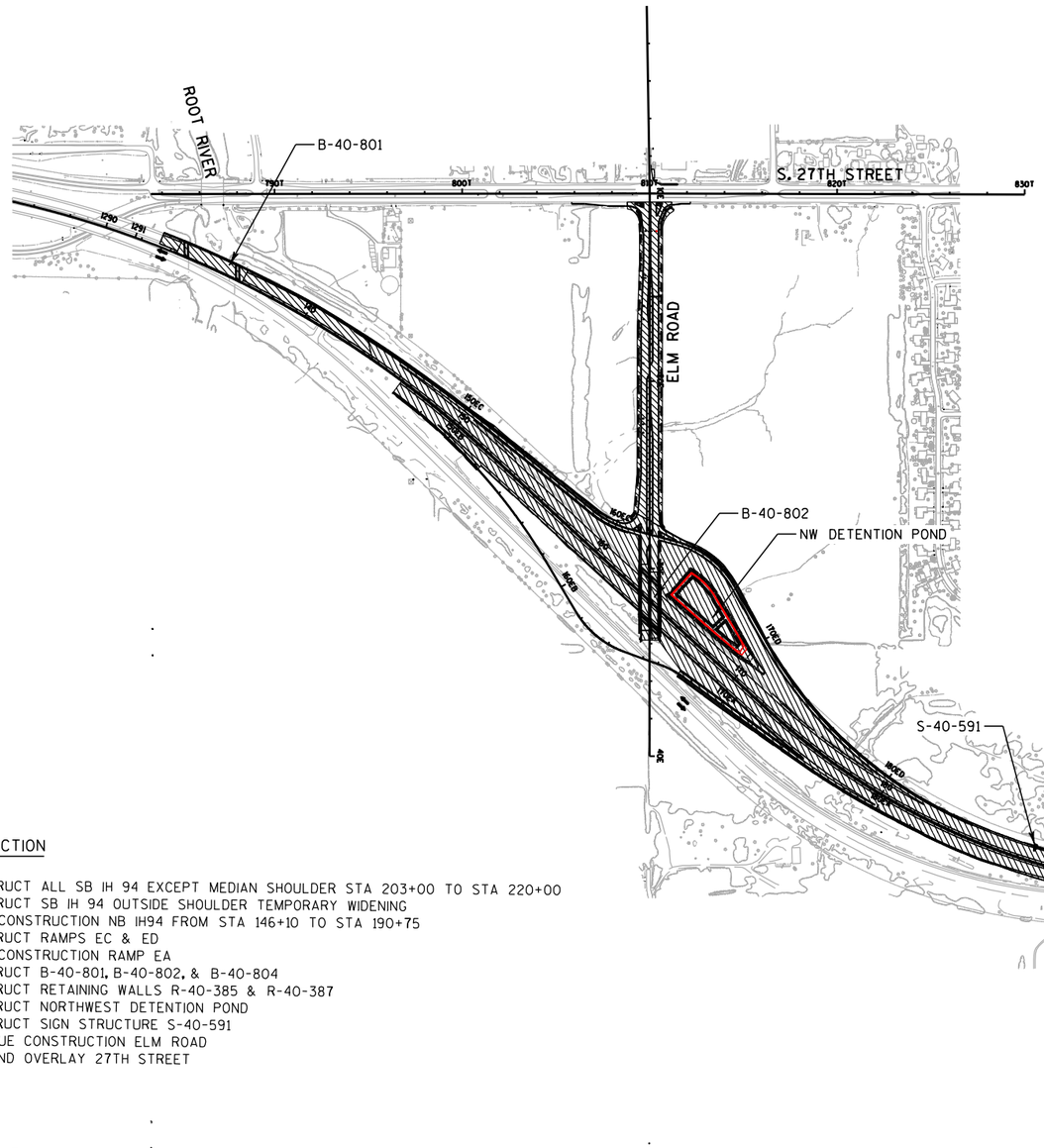
POOL

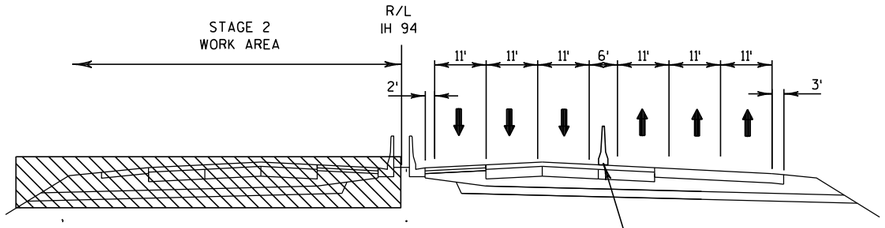
MH

MH

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 1C	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\026214_s1c.dgn PLOT DATE : 11-JUL-2018 21:58 PLOT BY : MSCD1S PLOT NAME : 026214_s1c PLOT SCALE : 100:1





NOTE:
NB TRAFFIC IN SAME LOCATION
AS PREVIOUS STAGE

STAGE 2 TYPICAL SECTION

LOOKING NORTH

CONSTRUCTION

- CONSTRUCT ALL SB IH 94 EXCEPT MEDIAN SHOULDER STA 203+00 TO STA 220+00
- CONSTRUCT SB IH 94 OUTSIDE SHOULDER TEMPORARY WIDENING
- BEGIN CONSTRUCTION NB IH94 FROM STA 146+10 TO STA 190+75
- CONSTRUCT RAMPS EC & ED
- BEGIN CONSTRUCTION RAMP EA
- CONSTRUCT B-40-801, B-40-802, & B-40-804
- CONSTRUCT RETAINING WALLS R-40-385 & R-40-387
- CONSTRUCT NORTHWEST DETENTION POND
- CONSTRUCT SIGN STRUCTURE S-40-591
- CONTINUE CONSTRUCTION ELM ROAD
- MILL AND OVERLAY 27TH STREET

TRAFFIC

- IH 94 - THREE LANES SB & NB ON EXISTING NB LANES AND TEMPORARY WIDENING
- ELM ROAD RAMPS - CLOSED TO TRAFFIC
- ELM ROAD - CLOSED TO TRAFFIC
- 27TH STREET - ONE LANE OPEN IN EACH DIRECTION
- OAKWOOD ROAD - CLOSED TO TRAFFIC

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 2 OVERVIEW	SHEET	E

2

S. 27TH STREET

7881

786T

784T

R/L T

ROOT RIVER

SEE STAGING PLANS
PROJECT ID 1035-01-82

B-40-801

R/L IH 94

1288

1290

1292

132

134

136

138

140

239

240

MATCHLINE 141+00

IH94 SB

IH94 NB

11'

6'

BEGIN CONCRETE BARRIER
TEMPORARY PRECAST
MATCH PROJECT 1035-01-82
STA. 131+34.26, 77.10' RT

Milwaukee Co
ESTR
FROM PREVIOUS STAGE

TEMPORARY GLARE SCREEN

END CONCRETE BARRIER
TEMPORARY PRECAST
STA. 133+52.25, 86.68' RT

239*

241*

240*

BEGIN CONCRETE BARRIER
TEMPORARY PRECAST
MATCH EXISTING
STA. 137+95.25, 45.75' RT

LOGO LOGO
TRAVEL
INFO
CALL 511
ESTR
FROM PREVIOUS STAGE

NOTE:

* TO BE PLACED FOR STAGE 1C

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 2	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\026301_s2.dgn PLOT DATE : 11-JUL-2018 21:59 PLOT BY : MSCD1S PLOT NAME : 026301_s2 PLOT SCALE : 100:1

2

2

N

SEE IH 94 TEMP SB PLANS

NOSE

R/L RAMP EC

RAMP EC

144EC 146EC 148EC 150EC 152EC 154EC 156EC

142 144 146 148 150 152 154

SIGN

MATCHLINE 141+00

R/L IH 94

STA. 146+19

148EB 150EB 152EB 154EB

R/L RAMP EB

STA. 152EB+29

MATCHLINE 156+00

+68.00
125.60' RT

239 240

IH94 SB

IH94 NB

11' 11' 11' 6' 11' 11' 2'

TEMPORARY GLARE SCREEN

239* 241* 240*

CITY OF
Oak Creek

ESTR
FROM PREVIOUS STAGE

NORTH WEST NORTH
INTERSTATE INTERSTATE
41 94 41

ESTR
FROM PREVIOUS STAGE

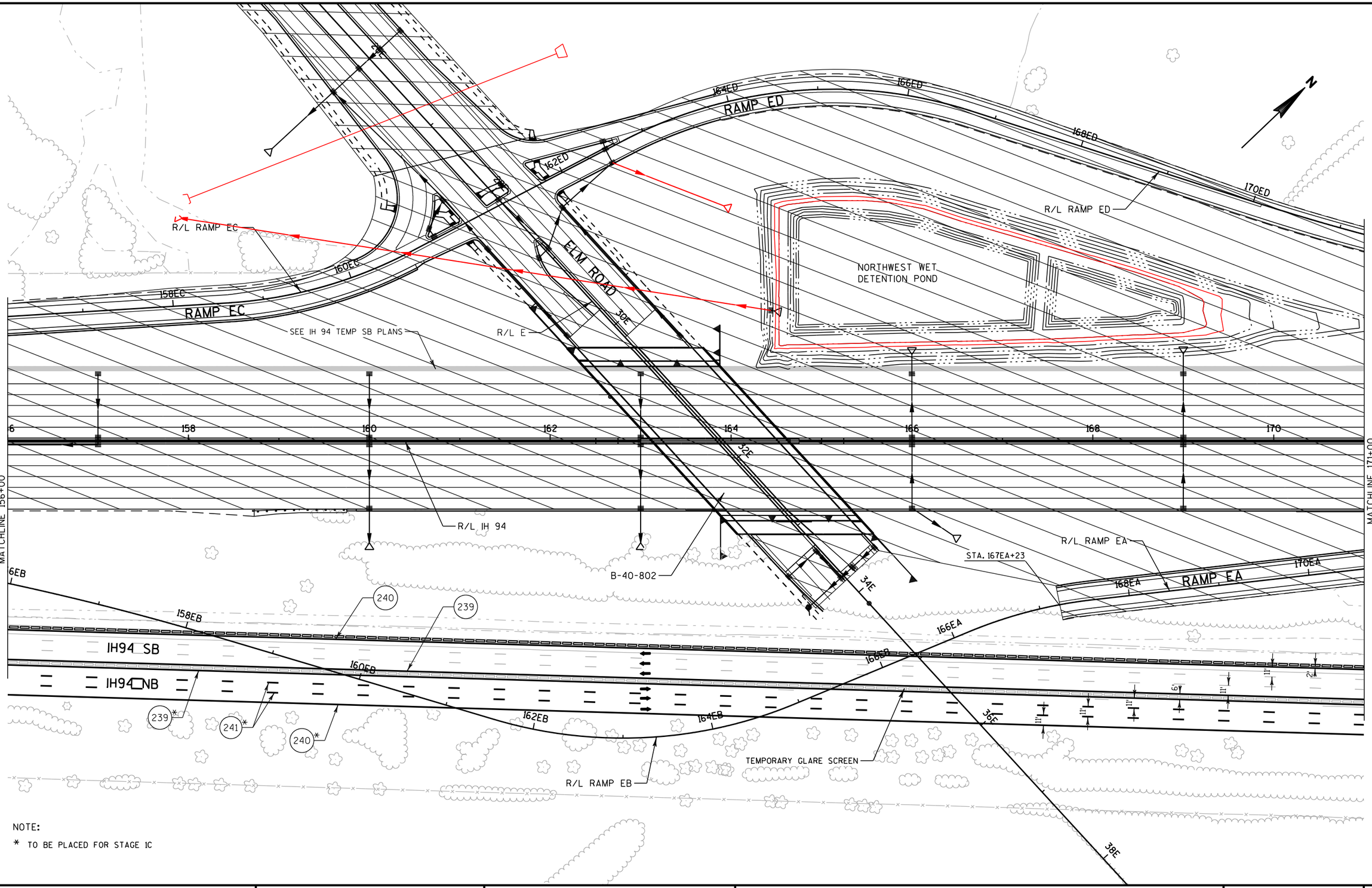
NOTE:

* TO BE PLACED FOR STAGE 1C

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 2	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\026302_s2.dgn PLOT DATE : 11-JUL-2018 21:59 PLOT BY : MSCD1S PLOT NAME : 026302_s2 PLOT SCALE : 100:1

2



NOTE:

* TO BE PLACED FOR STAGE 1C

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 2	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\026303_s2.dgn PLOT DATE : 11-JUL-2018 21:59 PLOT BY : MSCD1S PLOT NAME : 026303_s2 PLOT SCALE : 100:1

2

2

N

MATCHLINE 171+00

MATCHLINE 186+00

172ED

174ED

176ED

178ED

180ED

182ED

184ED

RAMP ED

SEE IH 94 TEMP SB PLANS

R/L RAMP ED

R/L IH 94

172

174

176

178

180

182

184

172EA

174EA

176EA

178EA

180EA

182EA

RAMP EA

R/L RAMP EA

BERM

BERM

240

239

IH94 SB

IH94 NB

EXIT 322

100

Ryan Rd

1 MILE

NOTE:

* TO BE PLACED FOR STAGE 1C

TEMPORARY GLARE SCREEN

239*

241*

240*

ESTR
FROM PREVIOUS STAGE

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 2	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\026304_s2.dgn PLOT DATE : 11-JUL-2018 21:59 PLOT BY : MSCD1S PLOT NAME : 026304_s2 PLOT SCALE : 100:1

2

2

NOTE:
SEE OAKWOOD ROAD CLOSURE DETAIL FOR ADVANCED TRAFFIC CONTROL SIGNS DURING OAKWOOD ROAD CLOSURE

R/L KW

15KW

OAKWOOD ROAD

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

N

18KW

DO NOT CONSTRUCT CONCRETE BARRIER TYPE S42
STA 190+42.48 TO B-40-804 THIS STAGE.
SEE IH 94 TEMP SB PLAN

S-40-591

B-40-804

W5-52R
12" X 36"

END CONCRETE BARRIER
TEMPORARY PRECAST
STA. 194+48.00, 48.90' RT

MATCHLINE 186+00

188

190

192

194

196

198

200

MATCHLINE 201+00

STA. 190+75

R/L IH 94

20KW

IH94 SB

IH94 NB

CC

+37.50
66.50' RT

+42.50
83.15' RT

END CONCRETE BARRIER
TEMPORARY PRECAST
STA. 196+99.00, 17.00' RT

BEGIN CONCRETE BARRIER
TEMPORARY PRECAST
STA. 195+94.50, 32.30' RT

239*

241*

240*

CC

239

240

TEMPORARY GLARE SCREEN

END CONCRETE BARRIER
TEMPORARY PRECAST
STA. 194+58.00, 124.13' RT

22KW

BEGIN CONCRETE BARRIER
TEMPORARY PRECAST
STA. 188+00.00, 234.12' RT

OVERSIZE LOADS
RESTRICTED
BEYOND NEXT EXIT
ESTR
FROM PREVIOUS STAGE

Oakwood Rd
10300 SOUTH
ESTR
FROM PREVIOUS STAGE

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

24KW

SETTLERS WAY

NOTE:
* TO BE PLACED FOR STAGE 1C

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 2	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\026305_s2.dgn PLOT DATE : 11-JUL-2018 21:59 PLOT BY : MSCD1S PLOT NAME : 026305_s2 PLOT SCALE : 100:1

2

N

SEE IH 94 TEMP SB PLANS

W5-52R
12" X 36"

BEGIN CONCRETE BARRIER
TEMPORARY PRECAST
STA. 215+81.50, 4.00' RT

MATCHLINE 201+00

MATCHLINE 216+00

202 204 206 208 210 212 214 216

IH94 SB

IH94 NB

11' 11' 11' 11' 11' 6'

239* 241* 240* 239 240

R/L IH 94

TEMPORARY GLARE SCREEN

241

Park & Ride
EXIT 322

ESTR
FROM PREVIOUS STAGE

HOSPITAL
EXIT 322

ESTR
FROM PREVIOUS STAGE

NOTE:

* TO BE PLACED FOR STAGE 1C

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 2	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\026306_s2.dgn PLOT DATE : 11-JUL-2018 21:59 PLOT BY : MSCD1S PLOT NAME : 026306_s2 PLOT SCALE : 100:1

2

N

SEE IH 94 TEMP SB PLANS

+81.50
9.00'LT

END CONCRETE BARRIER
TEMPORARY PRECAST
MATCH PROJECT 1030-20-84
STA. 220+00.00, 9.00'LT

SEE STAGING PLAN
PROJECT ID 1030-20-84

MATCHLINE 216+00

IH94 SB

IH94 NB

11'

50'
(TYP)

TEMPORARY GLARE SCREEN

W5-52R
12" X 36"

239

241

240

244

R/L IH 94

216 218 220 222 224 226 228 230

SIGN A/C FLAGS INL W RIPRAP FENCE

NOTE:

* TO BE PLACED FOR STAGE 1C

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 2	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\026307_s2.dgn PLOT DATE : 11-JUL-2018 21:59 PLOT BY : MSCD1S PLOT NAME : 026307_s2 PLOT SCALE : 100:1

2

2

N

814T

812T

810T

808T

806T

STH 241

S. 27TH STREET

ELM ROAD

8E

10E

12E

14E

16E

18E

20E

22E

MATCHLINE 23E+00

R/L T

R/L E

S-40-490

S-40-491

END
ROAD WORK
G20-2A
48" X 24"

ROAD
WORK
AHEAD
W20-1A

R11-2
48" X 30"
ROAD
CLOSED
TYPE III BARRICADE

SIGN

FLAG

HW

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 2	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\026311_s2.dgn PLOT DATE : 11-JUL-2018 21:59 PLOT BY : MSCD1S PLOT NAME : 026311_s2 PLOT SCALE : 100:1

2

N

MATCHLINE 23E+00

ELM ROAD

24E 26E 28E 30E 32E 34E 36E 38E

STA. 33E+81

RAMP ED

RAMP EA

RAMP EC

NORTHWEST WET
DETENTION POND

R/L RAMP ED

R/L RAMP EA

R/L RAMP EC

R/L RAMP EB

R/L E

R/L IH94

R-40-385

R-40-387

B-40-802

IH94 SB

IH94 NB

165ED

162ED

160EC

158EC

156

154

152

150

170

168

166

170EA

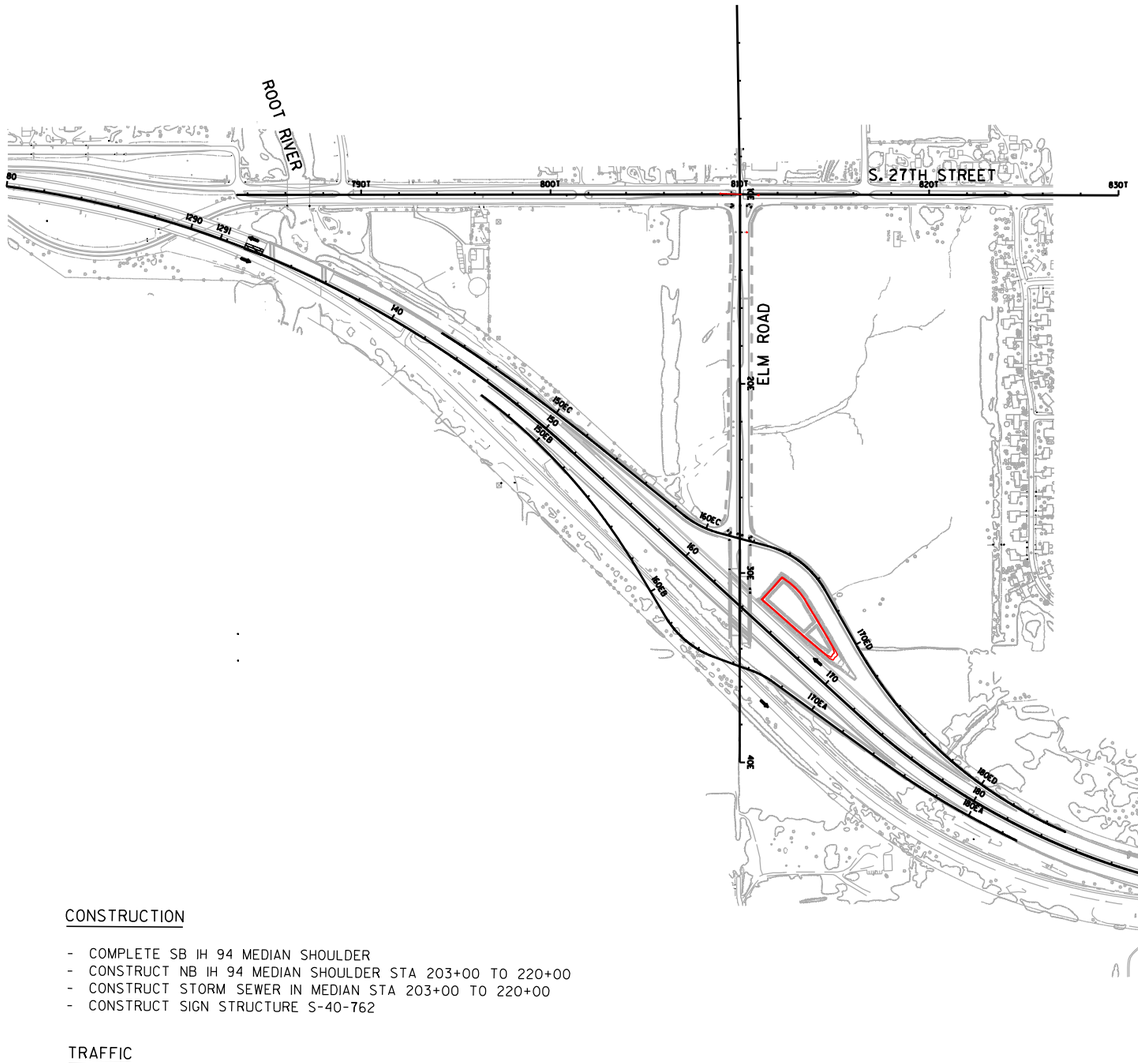
168EA

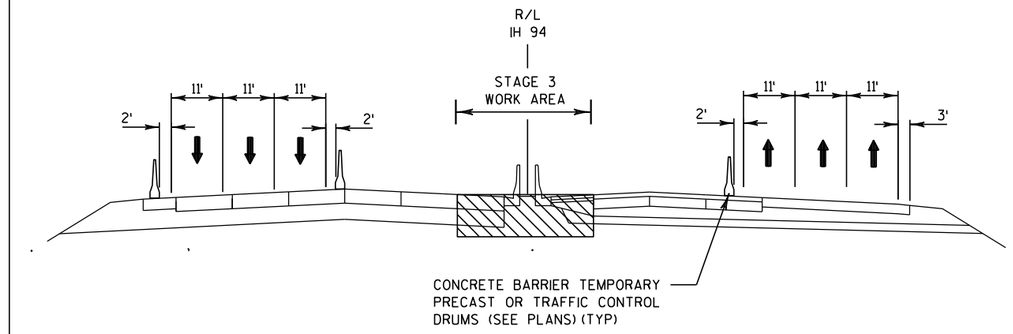
166EA

164EB

162EB

160EB





NOTE:

NB TRAFFIC IN SAME LOCATION
AS PREVIOUS STAGE

STAGE 3 TYPICAL SECTION

LOOKING NORTH

CONSTRUCTION

- COMPLETE SB IH 94 MEDIAN SHOULDER
- CONSTRUCT NB IH 94 MEDIAN SHOULDER STA 203+00 TO 220+00
- CONSTRUCT STORM SEWER IN MEDIAN STA 203+00 TO 220+00
- CONSTRUCT SIGN STRUCTURE S-40-762

TRAFFIC

- IH 94 NB - THREE LANES ON EXISTING PAVEMENT AND NB TEMPORARY WIDENING
- IH 94 SB - THREE LANES ON SB IH94 NEW PAVEMENT AND SB TEMPORARY WIDENING
- ELM ROAD RAMPS - CLOSED TO TRAFFIC
- ELM ROAD - CLOSED TO TRAFFIC
- 27TH STREET - ALL LANES OPEN
- OAKWOOD ROAD - CLOSED TO TRAFFIC

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 3 OVERVIEW	SHEET	E

2

S. 27TH STREET

7881

786T

784T

R/L T

ROOT R

SIGN

BEGIN CONCRETE BARRIER
TEMPORARY PRECAST
MATCH PROJECT 1035-01-82
STA. 131+34.26, 38.25'LT

SEE STAGING PLANS
PROJECT ID 1035-01-82

+51.25
40.25'LT

R/L IH94

B-40-801

239

241

240

+21.75
40.25'LT

+00.00
42.25'LT

IH94 SB

11'

2'

1288

1290

1292

132

134

136

138

140

MATCHLINE 141+00

IH94 NB

ROOT RIVER

Milwaukee Co
ESTR
FROM PREVIOUS STAGE

LOGO LOGO
TRAVEL
INFO
CALL 511
ESTR
FROM PREVIOUS STAGE

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 3	SHEET	E

2

EXIT 326

Seven Mile Rd

1 MILE

MOVE
FROM EXISTING POSITION

BEGIN CONCRETE BARRIER
TEMPORARY PRECAST
STA. 150+83.00. 79.25'LT

R/L RAMP EC

+89.50
79.25'LT

+89.50
42.25'LT

50'
(TYP)

239

241

240

144EC

146EC

148EC

150EC

152EC

154EC

156EC

RAMP EC

IH94 SB

142

144

146

148

150

152

154

MATCHLINE 141+00

MATCHLINE 156+00

R/L IH94

148EB

150EB

152EB

154EB

R/L RAMP EB

IH94 NB

SIGN

CITY OF
Oak Creek

ESTR
FROM PREVIOUS STAGE

NORTH WEST NORTH
INTERSTATE 41 INTERSTATE 94 INTERSTATE 41

ESTR
FROM PREVIOUS STAGE

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 3	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\026402_s3.dgn PLOT DATE : 11-JUL-2018 22:00 PLOT BY : MSCD1S PLOT NAME : 026402_s3 PLOT SCALE : 100:1

WISDOT/CADDS SHEET 42

2

2

N

RAMP ED

164ED

166ED

168ED

170ED

162ED

R/L RAMP ED

RAMP EC

158EC

160EC

R/L RAMP EC

R/L E

ELM ROAD

26E

28E

30E

32E

34E

36E

38E

NORTHWEST WET
DETENTION POND

+47.00
79.25' LT

+47.00
42.25' LT

239

241

240

IH94 SB

11'

11'

11'

2'

2'

MATCHLINE 156+00

156

158

160

162

164

166

168

170

MATCHLINE 171+00

R/L IH94

B-40-802

6EB

158EB

160EB

162EB

164EB

166EB

IH94 NB

166EA

168EA

RAMP EA

170EA

R/L RAMP EA

R/L RAMP EB

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 3	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\026403_s3.dgn PLOT DATE : 11-JUL-2018 22:00 PLOT BY : MSCD1S PLOT NAME : 026403_s3 PLOT SCALE : 100:1

2

N

R11-2R
48" X 30"
RAMP CLOSED
TYPE III BARRICADE

W5-52R
12" X 36"

END CONCRETE BARRIER
TEMPORARY PRECAST
STA. 173+83.60, 81.25'LT

R/L RAMP ED

RAMP ED

172ED 174ED 176ED 178ED 180ED 182ED 184ED

+81.15
44.25'LT

CC

R/L IH94

25'
TYP

239 241 240

IH94 SB

MATCHLINE 171+00

MATCHLINE 186+00

172 174 176 178 180 182 184

RAMP EA

172EA 174EA 176EA 178EA 180EA 182EA

R/L RAMP EA

BERM

IH94 NB

EXIT 322
100
Ryan Rd
1 MILE

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 3	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\026404_s3.dgn PLOT DATE : 11-JUL-2018 22:00 PLOT BY : MSCD1S PLOT NAME : 026404_s3 PLOT SCALE : 100:1

NOTE:

SEE OAKWOOD ROAD CLOSURE DETAIL FOR ADVANCED TRAFFIC CONTROL SIGNS DURING OAKWOOD ROAD CLOSURE

R/L KW

15KW

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

OAKWOOD ROAD

18KW

N

COVER SIGN TYPE I

BEGIN CONCRETE BARRIER
TEMPORARY PRECAST
MATCH EXISTING BARRIER
191+25.40, 81.25'LT

END CONCRETE BARRIER
TEMPORARY PRECAST
MATCH B-40-804
193+95.00 76.90'LT

+43.10
44.25'LT

+07.25
40.25'LT

B-40-804

BEGIN CONCRETE BARRIER
TEMPORARY PRECAST
MATCH EXISTING BARRIER
200+14.50, 75.25'LT

+89.25
42.25'LT

239
240
241

JH94 SB

MATCHLINE 186+00

186
188
190
192
194
196
198
200

MATCHLINE 201+00

R/L IH94

20KW

IH94 NB

Oakwood Rd
10300 SOUTH
ESTR
FROM PREVIOUS STAGE

OVERSIZE LOADS
RESTRICTED
BEYOND NEXT EXIT
ESTR
FROM PREVIOUS STAGE

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

22KW

24KW

SETTLERS WAY

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 3	SHEET	E

2

N

+15.75
79.25'LT

W5-52R
12" x 36"

END CONCRETE BARRIER
TEMPORARY PRECAST
STA. 202+50.00, 79.25'LT

50'
TYP

CC

239

241

240

IH94 SB

11'

11'

11'

2'

MATCHLINE 201+00

202

204

206

208

210

212

214

MATCHLINE 216+00

IH94 NB

S-40-762

R/L IH94

SIGN

SIGN

SIGN

BERM

BERM

Park & Ride
EXIT 322

ESTR
FROM PREVIOUS STAGE

HOSPITAL
EXIT 322

ESTR
FROM PREVIOUS STAGE

SIGN

SIGN

MH

MH

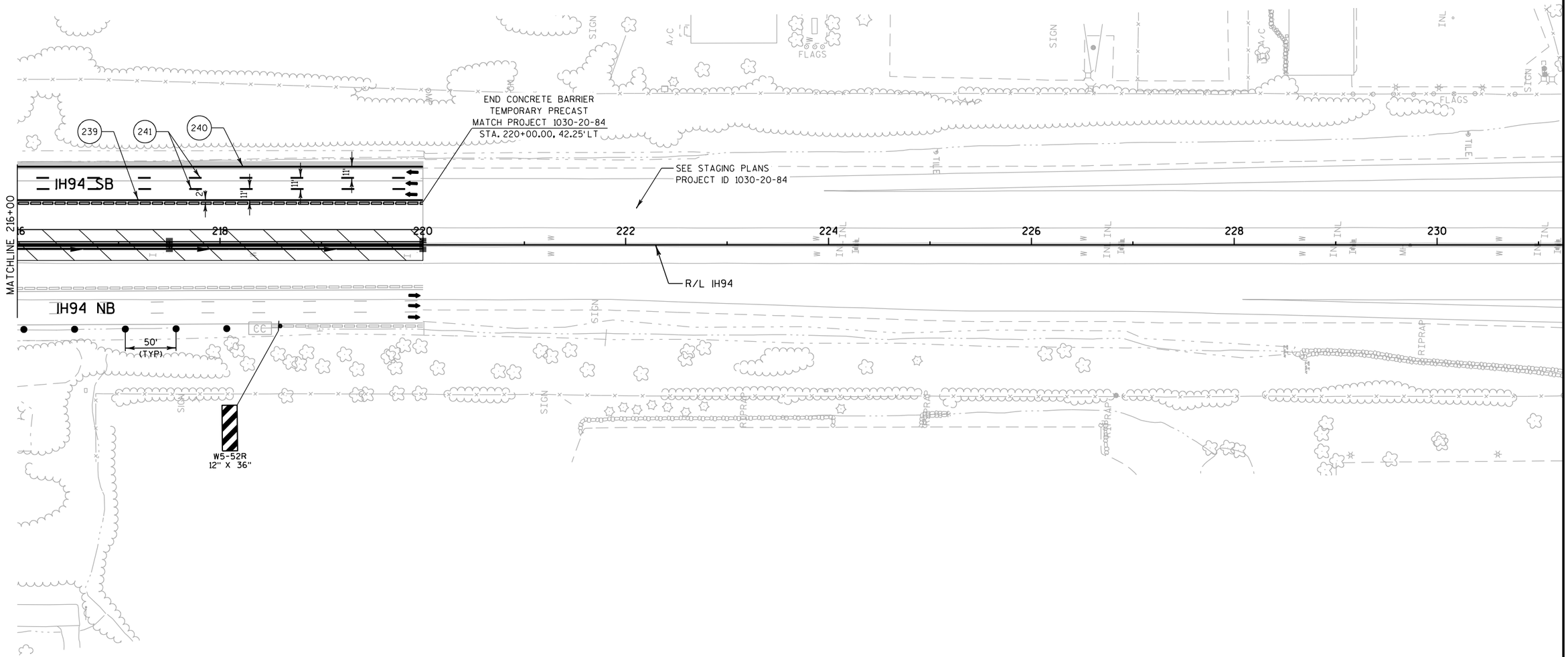
MH

MH

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 3	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\026406_s3.dgn PLOT DATE : 11-JUL-2018 22:00 PLOT BY : MSCD1S PLOT NAME : 026406_s3 PLOT SCALE : 100:1

2



PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 3	SHEET	E

2

2

SEE STAGING PLANS
PROJECT ID 1035-01-82

R/L T

798T 800T 802T 804T 806T 808T 810T 81

S. 27TH STREET

STH 241

MATCHLINE 812T+00

56E 58E 10E 12E 14E

ELM ROAD

R/L E

1000'

ROAD WORK AHEAD
W20-1A

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

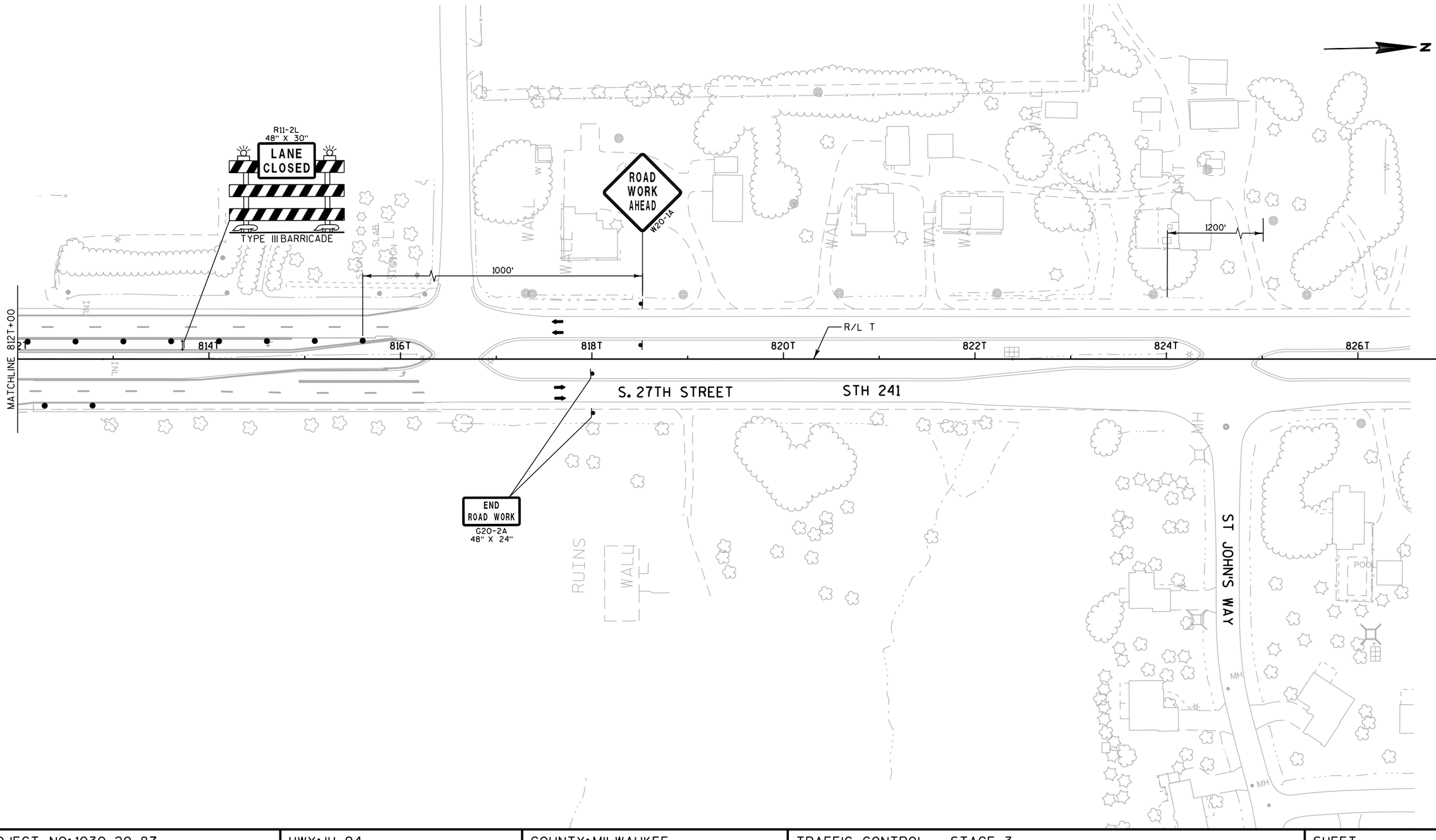
R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

SIGN FLAG HW

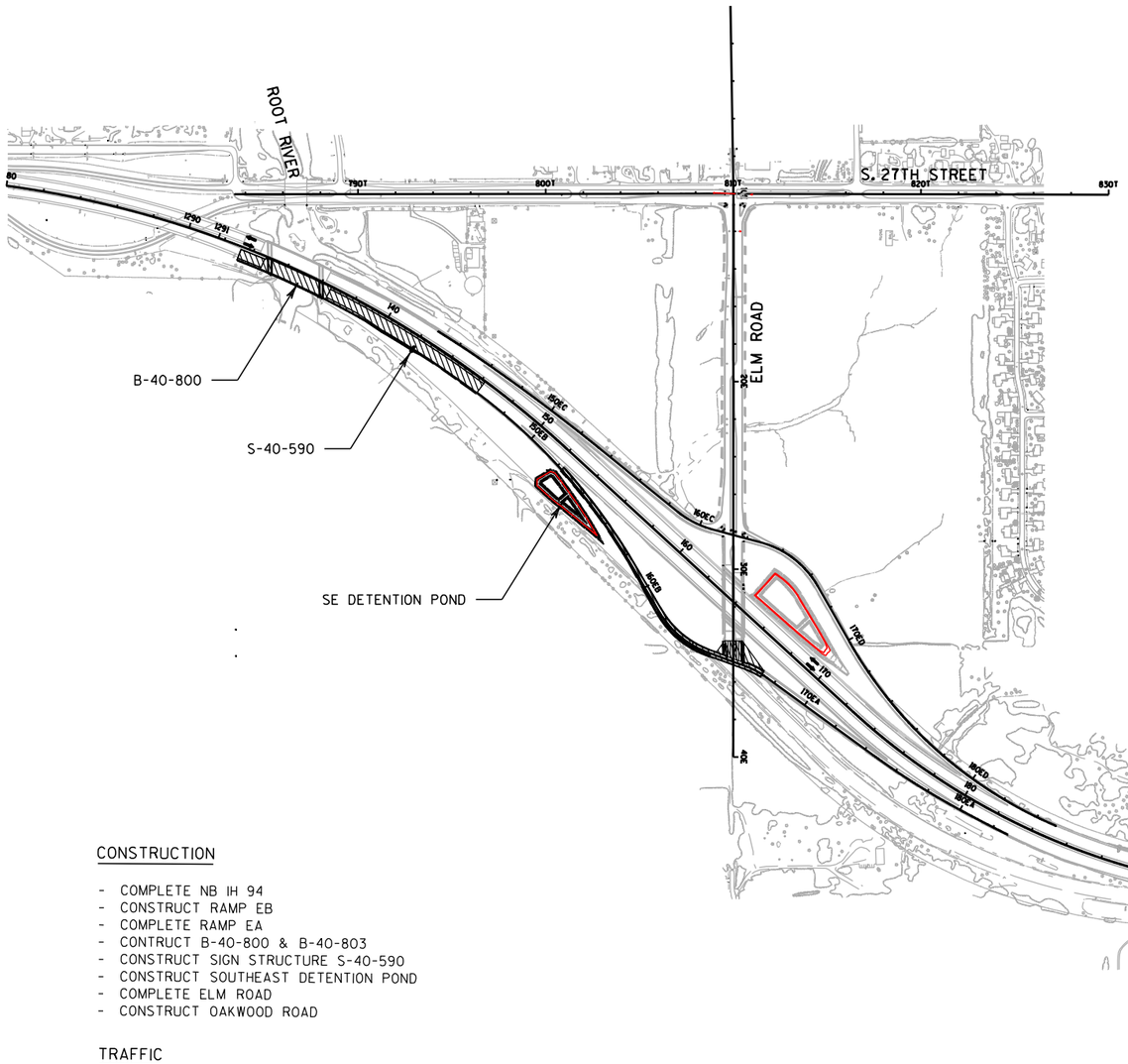
PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 3	SHEET	E

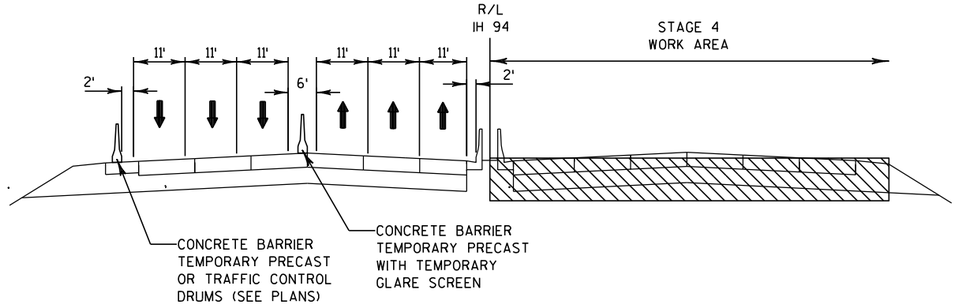
FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\026413_s3.dgn PLOT DATE : 11-JUL-2018 22:00 PLOT BY : MSCD1S PLOT NAME : 026413_s3 PLOT SCALE : 100:1

2



PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 3	SHEET	E





NOTE:

SB TRAFFIC IN SAME LOCATION
AS PREVIOUS STAGE

STAGE 4 TYPICAL SECTION

LOOKING NORTH

CONSTRUCTION

- COMPLETE NB IH 94
- CONSTRUCT RAMP EB
- COMPLETE RAMP EA
- CONTRUCT B-40-800 & B-40-803
- CONSTRUCT SIGN STRUCTURE S-40-590
- CONSTRUCT SOUTHEAST DETENTION POND
- COMPLETE ELM ROAD
- CONSTRUCT OAKWOOD ROAD

TRAFFIC

- IH 94 - THREE LANES NB & SB ON NEW SB LANES AND SB TEMPORARY WIDENING
- ELM ROAD RAMPS - CLOSED TO TRAFFIC
- ELM ROAD - CLOSED TO TRAFFIC
- 27TH STREET - ALL LANES OPEN
- OAKWOOD ROAD - CLOSED TO TRAFFIC

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 4 OVERVIEW	SHEET	E

2

S. 27TH STREET

7881

786T

784T

R/L T

ROOT R

SIGN

BEGIN CONCRETE BARRIER
TEMPORARY PRECAST
MATCH PROJECT 1035-01-82
STA. 131+34.26, 0.75'RT

END CONCRETE BARRIER
TEMPORARY PRECAST
STA. 132+81.90, 3.25'LT

TEMPORARY GLARE SCREEN

SEE STAGING PLANS
PROJECT ID 1035-01-82

240

241

239

1288

1290

1292

132

134

136

138

140

4%

6%

IH94 SB

IH94 NB

MATCHLINE 141+00

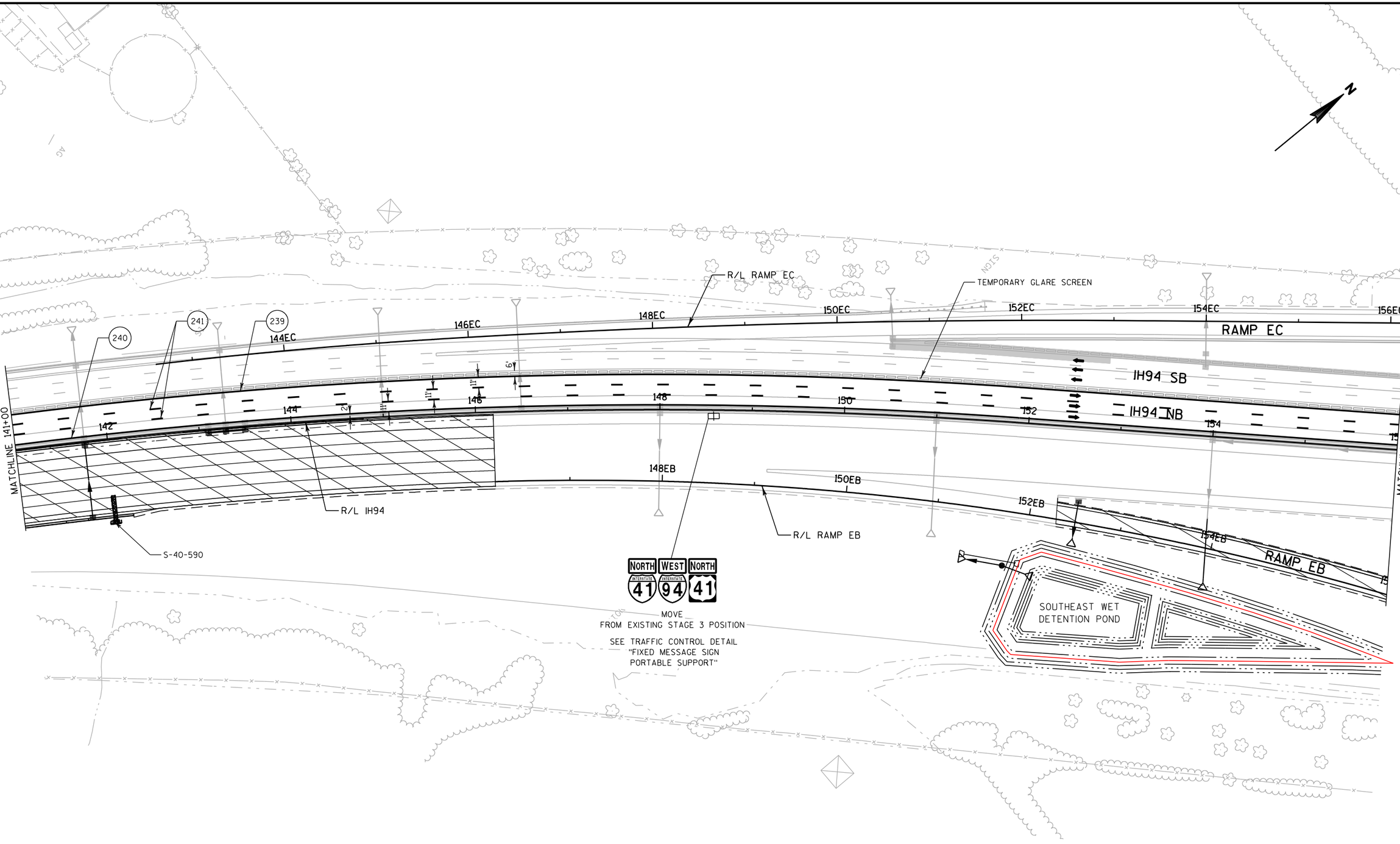
R/L IH94

B-40-800

ROOT RIVER

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 4	SHEET	E

2



PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 4	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\026502_s4.dgn PLOT DATE : 11-JUL-2018 22:01 PLOT BY : MSCD1S PLOT NAME : 026502_s4 PLOT SCALE : 100:1

2

2

N

26E

28E

30E

32E

36E

38E

164ED

166ED

168ED

170ED

RAMP ED

R/L RAMP ED

162ED

R/L RAMP EC

160EC

158EC

RAMP EC

ELM ROAD

R/L E

NORTHWEST WET
DETENTION POND

240

241

239

IH94 SB

IH94 NB

MATCHLINE 156+00

MATCHLINE 171+00

156

158

160

162

164

166

168

170

2%

11'

11'

11'

6'

TEMPORARY GLARE SCREEN

R/L IH94

6EB

158EB

160EB

RAMP EB

162EB

164EB

166EB

R/L RAMP EB

166EA

168EA

RAMP EA

170EA

R/L RAMP EA

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 4	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\026503_s4.dgn PLOT DATE : 11-JUL-2018 22:01 PLOT BY : MSCD1S PLOT NAME : 026503_s4 PLOT SCALE : 100:1

2

N

R11-2R
48" X 30"
RAMP CLOSED
TYPE III BARRICADE

W5-52R
12" X 36"

TEMPORARY GLARE SCREEN

R/L RAMP ED

R/L IH94

R/L RAMP EA

MATCHLINE 171+00

MATCHLINE 186+00

172ED
174ED
176ED
178ED
180ED
182ED
184ED

RAMP ED

172EA
174EA
176EA
178EA
180EA
182EA

RAMP EA

IH94 SB

IH94 NB

172
174
176
178
180
182
184

240
241
239
25' TYP

BERM

EXIT 322
100
Ryan Rd
1 MILE

MOVE
FROM EXISTING NB POSITION

SEE TRAFFIC CONTROL DETAIL
"FIXED MESSAGE SIGN
PORTABLE SUPPORT"

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 4	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\026504_s4.dgn PLOT DATE : 11-JUL-2018 22:01 PLOT BY : MSCD1S PLOT NAME : 026504_s4 PLOT SCALE : 100:1

WISDOT/CADDS SHEET 42

2

OAKWOOD ROAD

15KW

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

LOCATE BARRICADES TO PROVIDE ACCESS TO DRIVEWAY STA 17KW+45 LT WHEN NO ACTIVE CONSTRUCTION ON OAKWOOD ROAD WEST OF STA 18KW+00

N

18KW

TEMPORARY GLARE SCREEN

IH94 SB

IH94 NB

MATCHLINE 186+00

MATCHLINE 201+00

240 241 239

188 190 192 194 196 198 200

11' 11' 11' 12' 12' 9' 9'

R/L IH94

B-40-803

R/L KW

OVERSIZE LOADS RESTRICTED BEYOND NEXT EXIT

MOVE FROM EXISTING NB POSITION

SEE TRAFFIC CONTROL DETAIL "FIXED MESSAGE SIGN PORTABLE SUPPORT"

BERM

INL

MH

W

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

24KW

SETTLERS WAY

NOTE

SEE OAKWOOD ROAD CLOSURE DETAIL FOR ADVANCED TRAFFIC CONTROL SIGNS DURING OAKWOOD ROAD CLOSURE

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 4	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\026505_s4.dgn PLOT DATE : 11-JUL-2018 22:01 PLOT BY : MSCD1S PLOT NAME : 026505_s4 PLOT SCALE : 100:1

2

N

W5-52R
12" X 36"

50'
TYP

240

241

239

TEMPORARY GLARE SCREEN

IH94 SB

IH94 NB

MATCHLINE 201+00

202

204

206

208

210

212

214

MATCHLINE 216+00

2'

11'

11'

11'

6'

R/L IH94

BERM

SIGN

Park & Ride
EXIT 322

MOVE
FROM EXISTING NB POSITION

SEE TRAFFIC CONTROL DETAIL
"FIXED MESSAGE SIGN
PORTABLE SUPPORT"

HOSPITAL
EXIT 322

ESTR
FROM PREVIOUS STAGE

MH

TUNNEL

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 4	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\026506_s4.dgn PLOT DATE : 11-JUL-2018 22:01 PLOT BY : MSCD1S PLOT NAME : 026506_s4 PLOT SCALE : 100:1

2

N

239

240

241

TEMPORARY GLARE SCREEN

SEE STAGING PLANS
PROJECT ID 1030-20-84

IH94 SB

IH94 NB

MATCHLINE 216+00

216

218

220

222

224

226

228

230

R/L IH94

SIGN

A/C

FLAGS

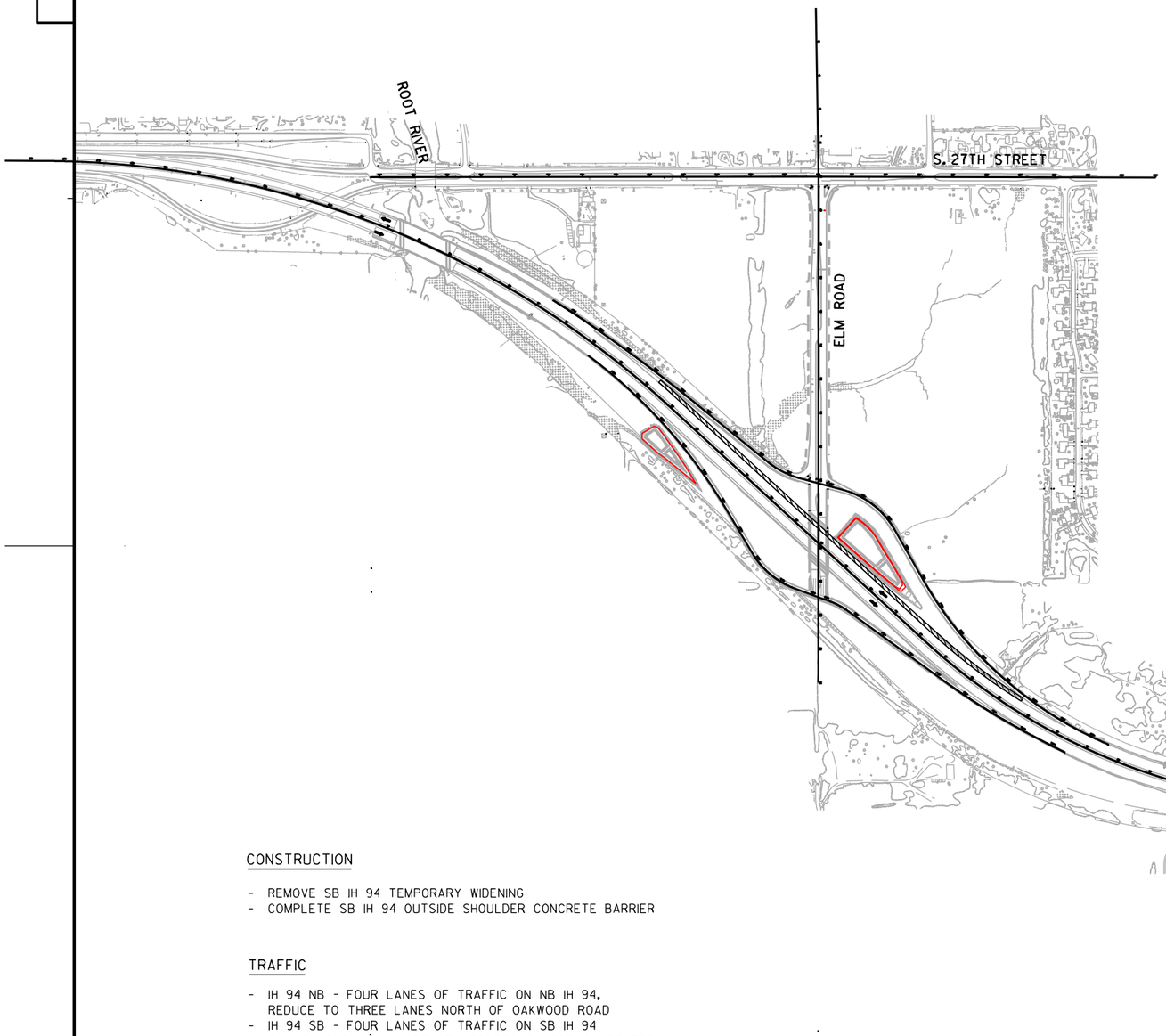
INL

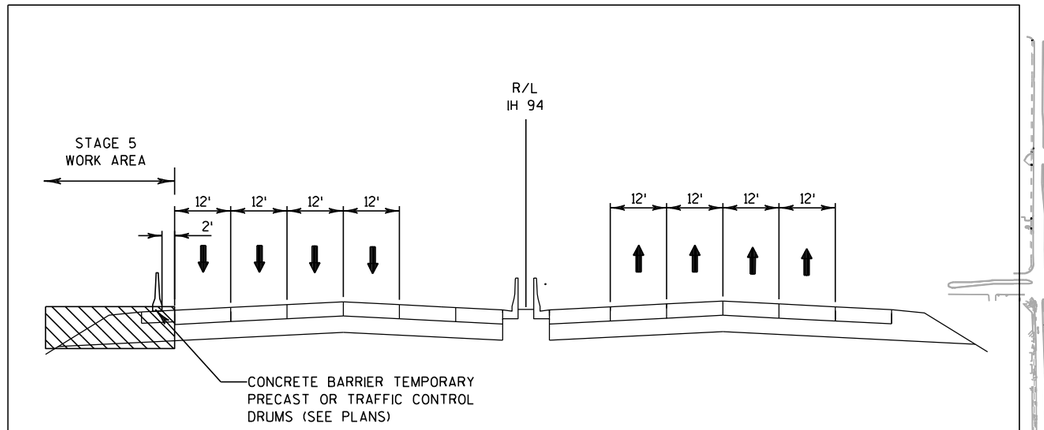
TILE

RIPRAP

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 4	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\026507_s4.dgn PLOT DATE : 11-JUL-2018 22:01 PLOT BY : MSCD1S PLOT NAME : 026507_s4 PLOT SCALE : 100:1





STAGE 5 TYPICAL SECTION

LOOKING NORTH

CONSTRUCTION

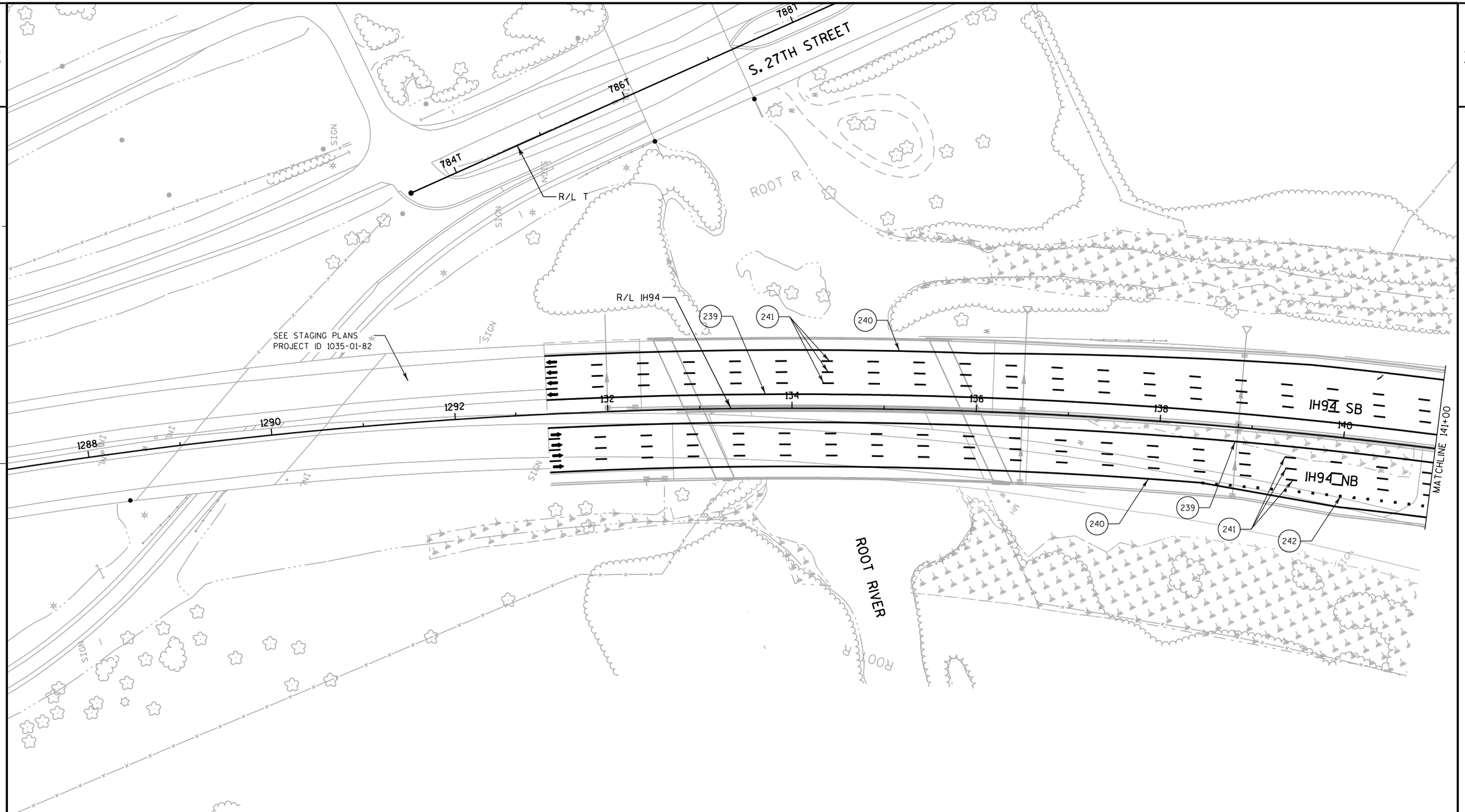
- REMOVE SB IH 94 TEMPORARY WIDENING
- COMPLETE SB IH 94 OUTSIDE SHOULDER CONCRETE BARRIER

TRAFFIC

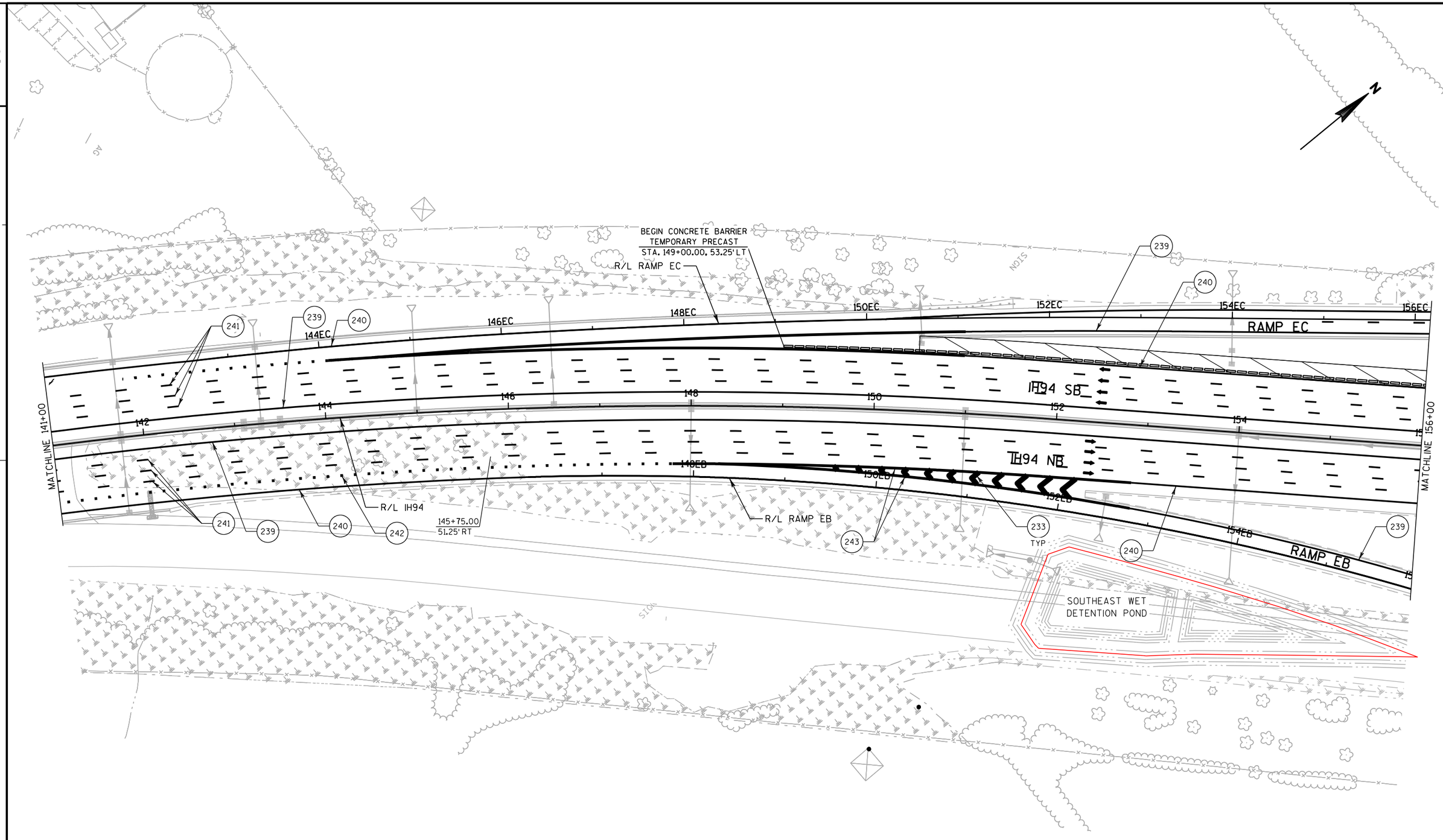
- IH 94 NB - FOUR LANES OF TRAFFIC ON NB IH 94, REDUCE TO THREE LANES NORTH OF OAKWOOD ROAD
- IH 94 SB - FOUR LANES OF TRAFFIC ON SB IH 94
- ELM ROAD RAMPS - OPEN TO TRAFFIC EXCEPT SHORT TERM CLOSURES OF RAMPS EC & ED
- ELM ROAD - OPEN TO TRAFFIC
- 27TH STREET - ALL LANES OPEN
- OAKWOOD ROAD - ALL LANES OPEN

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 5 OVERVIEW	SHEET	E

2


S. 27TH STREET
7881
786T
784T
R/L T
ROOT R
SIGN
SIGN
SIGN
SIGN
SIGN
R/L IH94
239
241
240
SEE STAGING PLANS
PROJECT ID 1035-01-82
1288
1290
1292
132
134
136
138
140
IH94 SB
IH94 NB
MATCHLINE 141+00
239
240
241
242
ROOT RIVER
ROOT R
INLT
INLT
INLT

2



PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 5	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\026602_s5.dgn PLOT DATE : 11-JUL-2018 22:02 PLOT BY : MSCD1S PLOT NAME : 026602_s5 PLOT SCALE : 100:1

2

2

N

RAMP ED

RAMP EC

RAMP EB

RAMP EA

ELM ROAD

NORTHWEST WET
DETENTION POND

R/L RAMP EC

R/L RAMP ED

R/L E

R/L IH94

R/L RAMP EA

R/L RAMP EB

IH94 SB

IH94 NB

MATCHLINE 156+00

MATCHLINE 171+00

158 160 162 164 166 168 170

LANE
ENDS
3/4 MILE

W9-63
72" X 90"
MOUNT ON BRIDGE B-40-802

240 239 241

26E 28E 30E 32E 34E 36E 38E

158EC 160EC 162ED 164ED 166ED 168ED 170ED

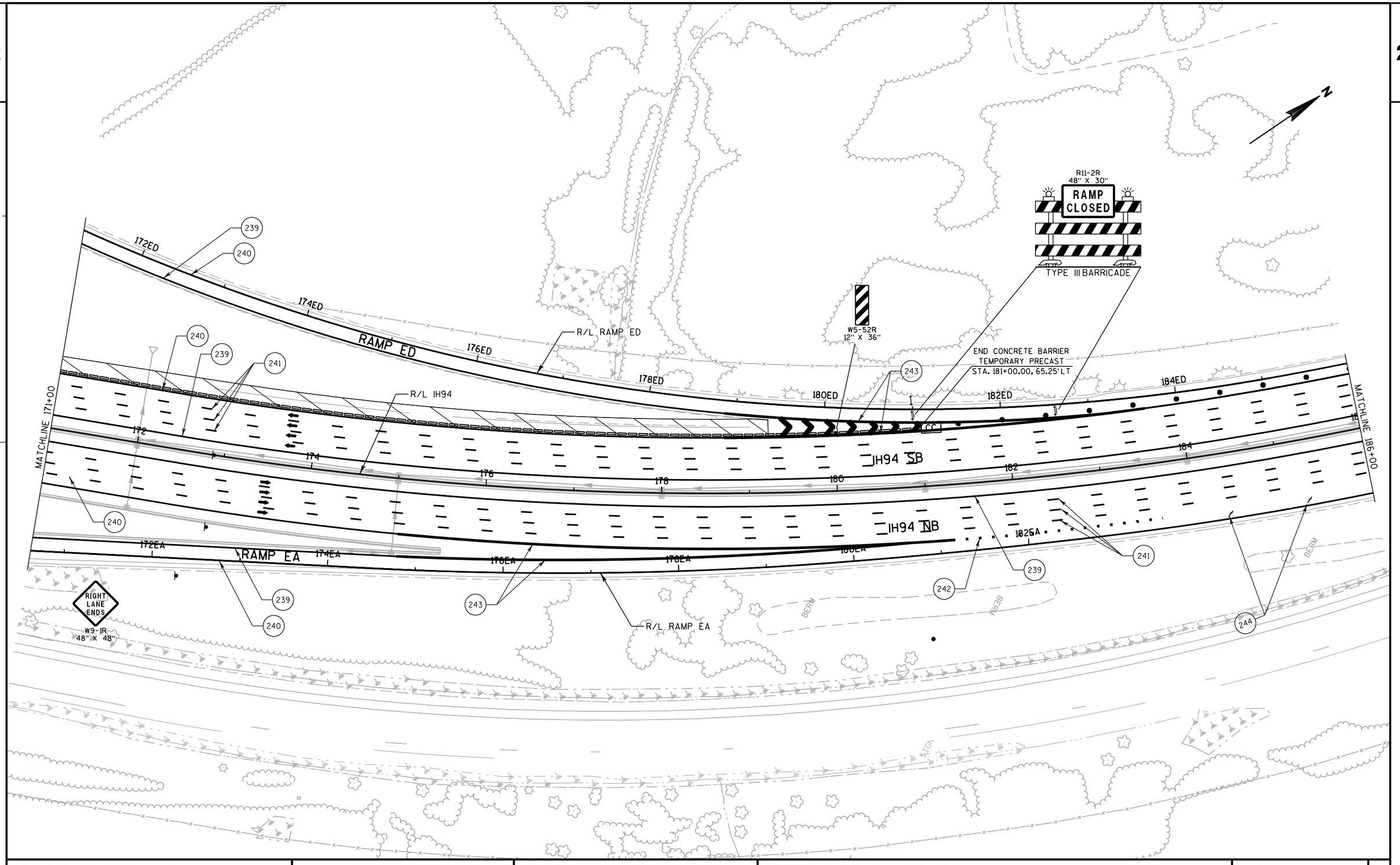
158EB 160EB 162EB 164EB 166EB

166EA 168EA 170EA

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 5	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\026603_s5.dgn PLOT DATE : 11-JUL-2018 22:02 PLOT BY : MSCD1S PLOT NAME : 026603_s5 PLOT SCALE : 100:1

2



PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 5	SHEET	E

2

EXIT 324
To 241
Elm Rd
To 27 th St
EXIT CLOSED

G20-60
108"X24"

PLACE SIGN G20-60 OVER ARROW
AND "ONLY" ON E10-61 SIGN

R11-2R
48" X 30"
RAMP
CLOSED

TYPE III BARRICADE

BEGIN CONCRETE BARRIER
TEMPORARY PRECAST
190+00.00, 65.25' LT

OAKWOOD ROAD

15KW

18KW

20KW

22KW

24KW

N

MATCHLINE 186+00

MATCHLINE 201+00

IH94 SB

IH94 NB

R/L IH94

R/L KW

200+00
63.25' RT

197+00
51.25' RT

LANE ENDS
MERGE
LEFT

W9-2L
48" X 48"

W4-2R
48" X 48"

SETTLERS WAY

BERM

INL

MH

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 5	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\026605_s5.dgn PLOT DATE : 11-JUL-2018 22:02 PLOT BY : MSCD1S PLOT NAME : 026605_s5 PLOT SCALE : 100:1

2

N

W5-52R
12" X 36"

END CONCRETE BARRIER
TEMPORARY PRECAST
STA. 204+00.00, 65.25'LT

IH94 SB

IH94 NB

MATCHLINE 201+00

MATCHLINE 216+00

202 204 206 208 210 212 214

241 240 239

R/L IH94

208+50
51.25'RT

214+75
51.25'RT

G20-60
48"X24"

Elm Rd CLOSED
Seven Mile Rd 2
G 3 1/2

PLACE SIGN G20-60 OVER MILEAGE ON E8-1 SIGN

W1-4C

SIGN

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 5	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\026606_s5.dgn PLOT DATE : 11-JUL-2018 22:02 PLOT BY : MSCD1S PLOT NAME : 026606_s5 PLOT SCALE : 100:1

2

EXIT 324
TO 241
Elm Rd
TO 27th St
CLOSED

G20-60
108"X24"

PLACE SIGN G20-60 OVER MILEAGE ON E1-1A SIGN

SEE SDD "TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH" FOR ADDITIONAL TRAFFIC CONTROL REQUIRED

SEE STAGING PLANS
PROJECT ID 1030-20-84

241
240
239

IH94 SB

IH94 NB

MATCHLINE 216+00

216 218 220 222 224 226 228 230

R/L IH94

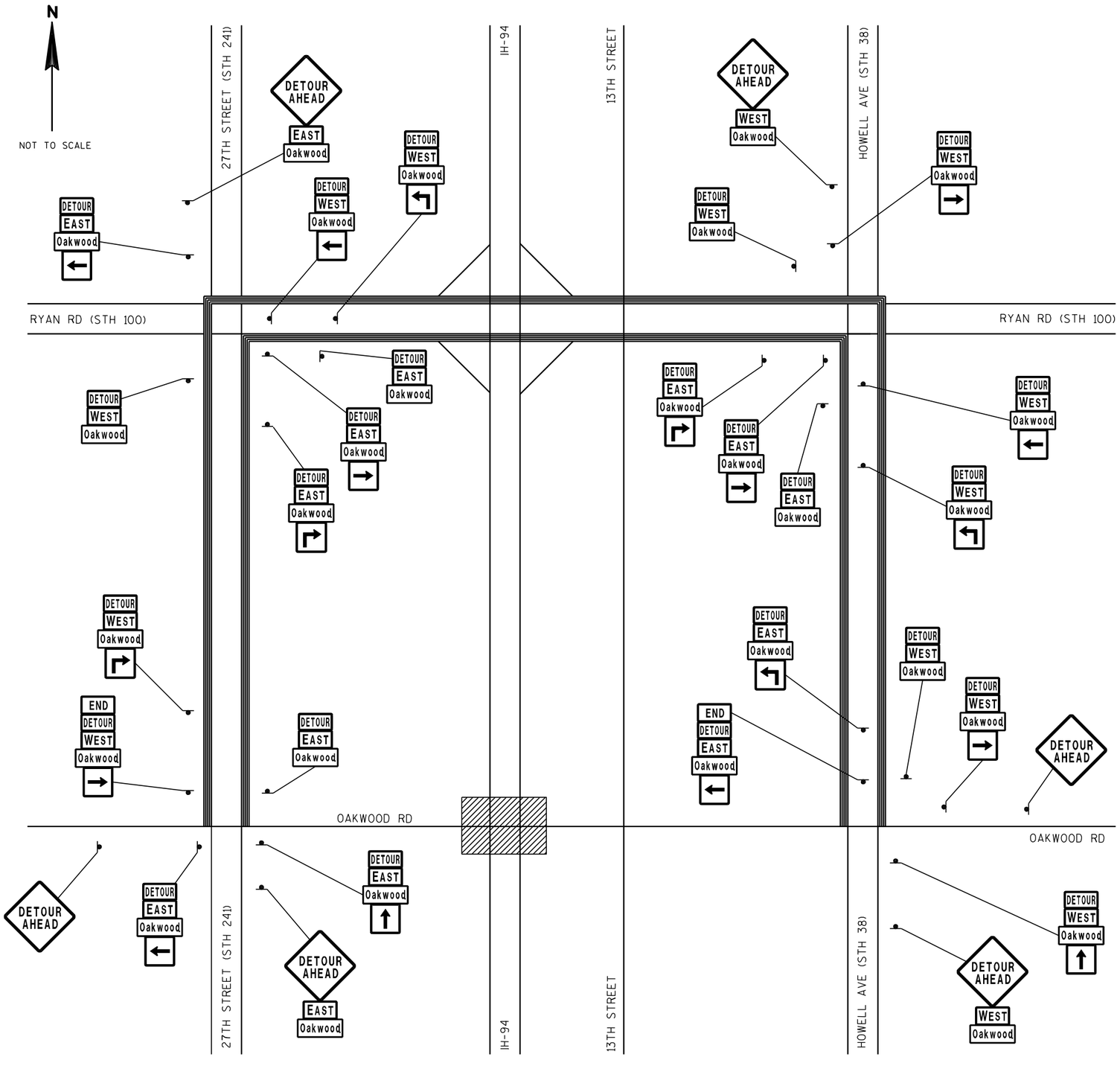
219+00
63.25' RT

SIGN
FLAGS
A/C
INL
TILE
RIPRAP
GUARDRAIL

N

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 5	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\026607_s5.dgn PLOT DATE : 11-JUL-2018 22:02 PLOT BY : MSCD1S PLOT NAME : 026607_s5 PLOT SCALE : 100:1



GENERAL NOTES

1. ALL TRAFFIC CONTROL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED IN THE PLANS.

2. "WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS REFLECTIVE ORANGE.

ALL SIGNS ARE SIZE (2) UNLESS NOTED AS SIZE (3).

3. THE EXACT NUMBER, LOCATION AND SPACING OF SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

4. ANY EXISTING TRAFFIC SIGNS THAT CONFLICT WITH THIS DETOUR SHALL BE COVERED AS DIRECTED BY THE ENGINEER. COVERING SIGNS IS INCIDENTAL TO DETOUR SIGNING.

5. DETOUR SIGNS SHALL BE COVERED OR REMOVED WHEN DETOUR IS NOT IN USE OR AS DIRECTED BY THE ENGINEER.

6. SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS.

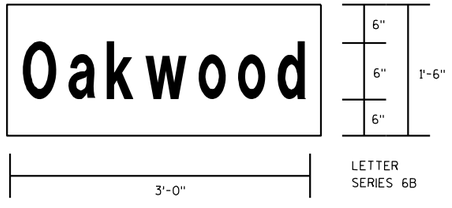
LEGEND

- EXISTING SIGN
- PROPOSED SIGN MOUNTED ON POST(S)
- TRAFFIC CONTROL DETOUR SIGNS
- DETOUR ROUTE
- TRAFFIC FLOW ARROW
- PCMS — TRAFFIC CONTROL SIGN PORTABLE CHANGEABLE MESSAGE
- WORK ZONE

SIGN CODE & SIGN SIZES

EAST	M3-2	(2) 24"x12"	(3) 36"x18"
WEST	M3-4	(2) 24"x12"	(3) 36"x18"
END	M04-6	(2) 24"x12"	(3) 36"x18"
DETOUR	M4-8	(2) 24"x12"	(3) 36"x18"
	M05-1	(2) 21"x21"	(3) 30"x30"
	M05-2		
	M06-1	(2) 21"x21"	(3) 30"x30"
	M06-2		
DETOUR AHEAD	W20-2	48"x48"	

FIXED MESSAGE SIGN



PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	DETOUR PLAN	SHEET	E

LEGEND

FENCE CHAIN LINK 6-FOOT

FENCE SAFETY

FENCE WOVEN WIRE 4-FOOT

NOTES

-ALL OFFSETS ARE REFERENCED TO IH-94 STATIONING.
-LOCATE FENCE 3-FT INSIDE RIGHT OF WAY UNLESS OTHERWISE NOTED.
-INSTALL FENCE IN EXISTING LOCATION WHERE THERE IS NO CHANGE IN RIGHT OF WAY.

S. 27TH STREET STH 241

136+40.32
442.38' LT
MATCH
EXISTING
FENCE

131+34.26
127.18' LT
MATCH 1035-01-82

132+00.00
127.18' LT

132+54.65
77.00' LT

137+57.75
200.56' LT

IH 94 SB

IH 94 NB

MATCHLINE 171+00

INSTALL GATE
CHAIN LINK 12-FT

133+23.61
77.00' RT

131+63.61
175.21' RT

132+51.25
178.75' RT

131+34.26
185.90' RT
MATCH 1035-01-82

136+35.00
80.00' RT

INSTALL GATE
CHAIN LINK 12-FT

137+00.00
208.50' RT

137+97.00
217.00' RT

ROOT RIVER

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	FENCING	SHEET	E

LEGEND

FENCE CHAIN LINK 6-FOOT

FENCE SAFETY

FENCE WOVEN WIRE 4-FOOT

NOTES

-ALL OFFSETS ARE REFERENCED TO IH-94 STATIONING.
-LOCATE FENCE 3-FT INSIDE RIGHT OF WAY UNLESS OTHERWISE NOTED.
-INSTALL FENCE IN EXISTING LOCATION WHERE THERE IS NO CHANGE IN RIGHT OF WAY.

146+76.60
197.96'LT

155+95.00
373.57'LT

155+75.16
239.89'LT

145+10.90
301.81'RT

RAMP EC

IH 94 SB

IH 94 NB

RAMP EB

MATCHLINE 171+00

MATCHLINE 156+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	FENCING	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\027102_fn.dgn PLOT DATE : 11-JUL-2018 22:04 PLOT BY : MSCD1S PLOT NAME : 027102_fn PLOT SCALE : 100:1

LEGEND

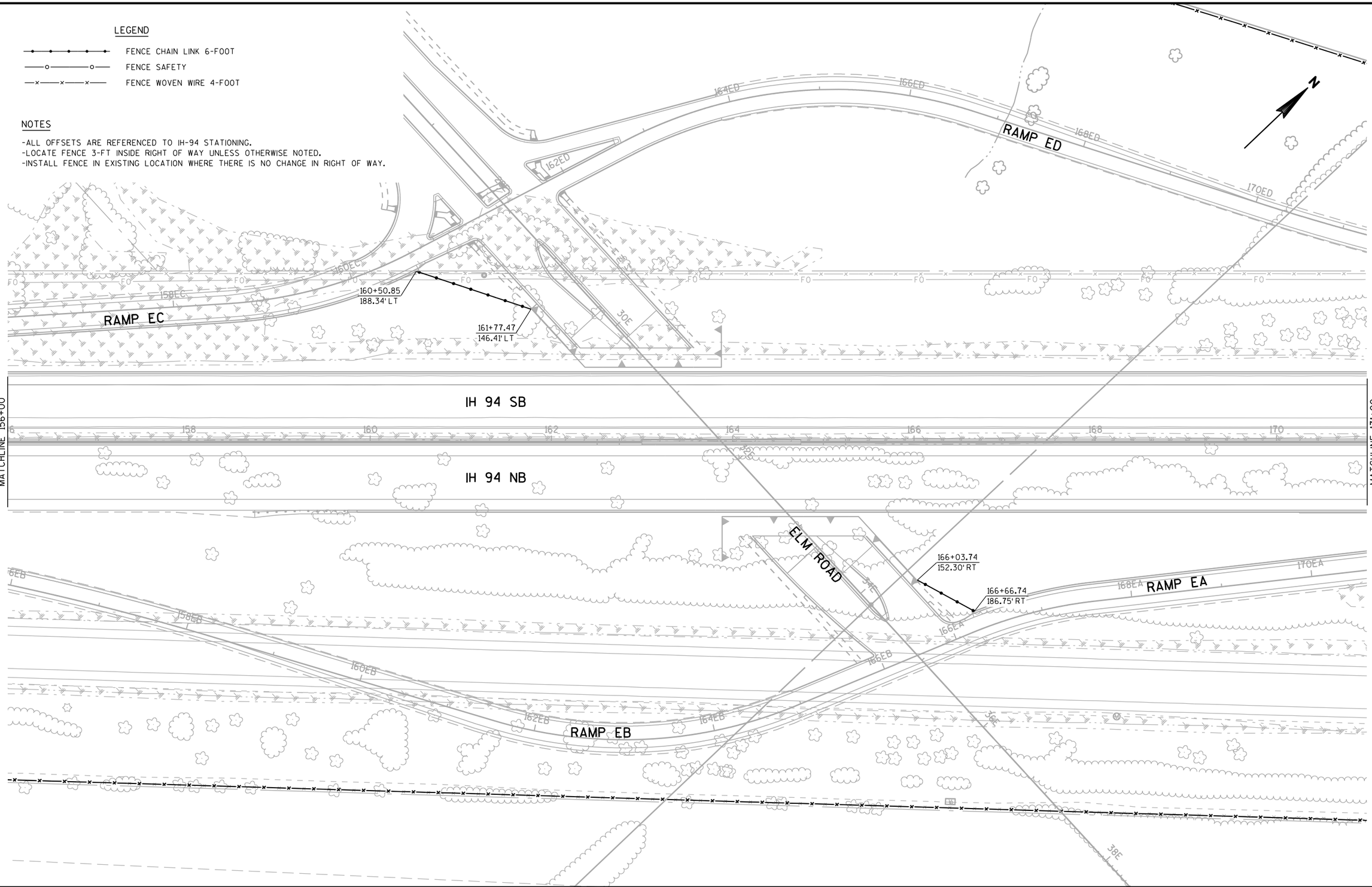
FENCE CHAIN LINK 6-FOOT

FENCE SAFETY

FENCE WOVEN WIRE 4-FOOT

NOTES

-ALL OFFSETS ARE REFERENCED TO IH-94 STATIONING.
-LOCATE FENCE 3-FT INSIDE RIGHT OF WAY UNLESS OTHERWISE NOTED.
-INSTALL FENCE IN EXISTING LOCATION WHERE THERE IS NO CHANGE IN RIGHT OF WAY.



PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	FENCING	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\027103_fn.dgn PLOT DATE : 11-JUL-2018 22:04 PLOT BY : MSCD1S PLOT NAME : 027103_fn PLOT SCALE : 100:1

LEGEND

FENCE CHAIN LINK 6-FOOT

FENCE SAFETY

FENCE WOVEN WIRE 4-FOOT

NOTES

-ALL OFFSETS ARE REFERENCED TO IH-94 STATIONING.
-LOCATE FENCE 3-FT INSIDE RIGHT OF WAY UNLESS OTHERWISE NOTED.
-INSTALL FENCE IN EXISTING LOCATION WHERE THERE IS NO CHANGE IN RIGHT OF WAY.

175+79.79
261.60' LT

177+16.08
256.40' LT

177+90.87
250.86' LT

172+19.28
420.94' RT

MATCHLINE 171+00

MATCHLINE 185+00

RAMP ED

RAMP EA

IH 94 SB

IH 94 NB

BERM

BERM

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	FENCING	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\027104_fn.dgn PLOT DATE : 11-JUL-2018 22:04 PLOT BY : MSCD1S PLOT NAME : 027104_fn PLOT SCALE : 100:1

2

LEGEND

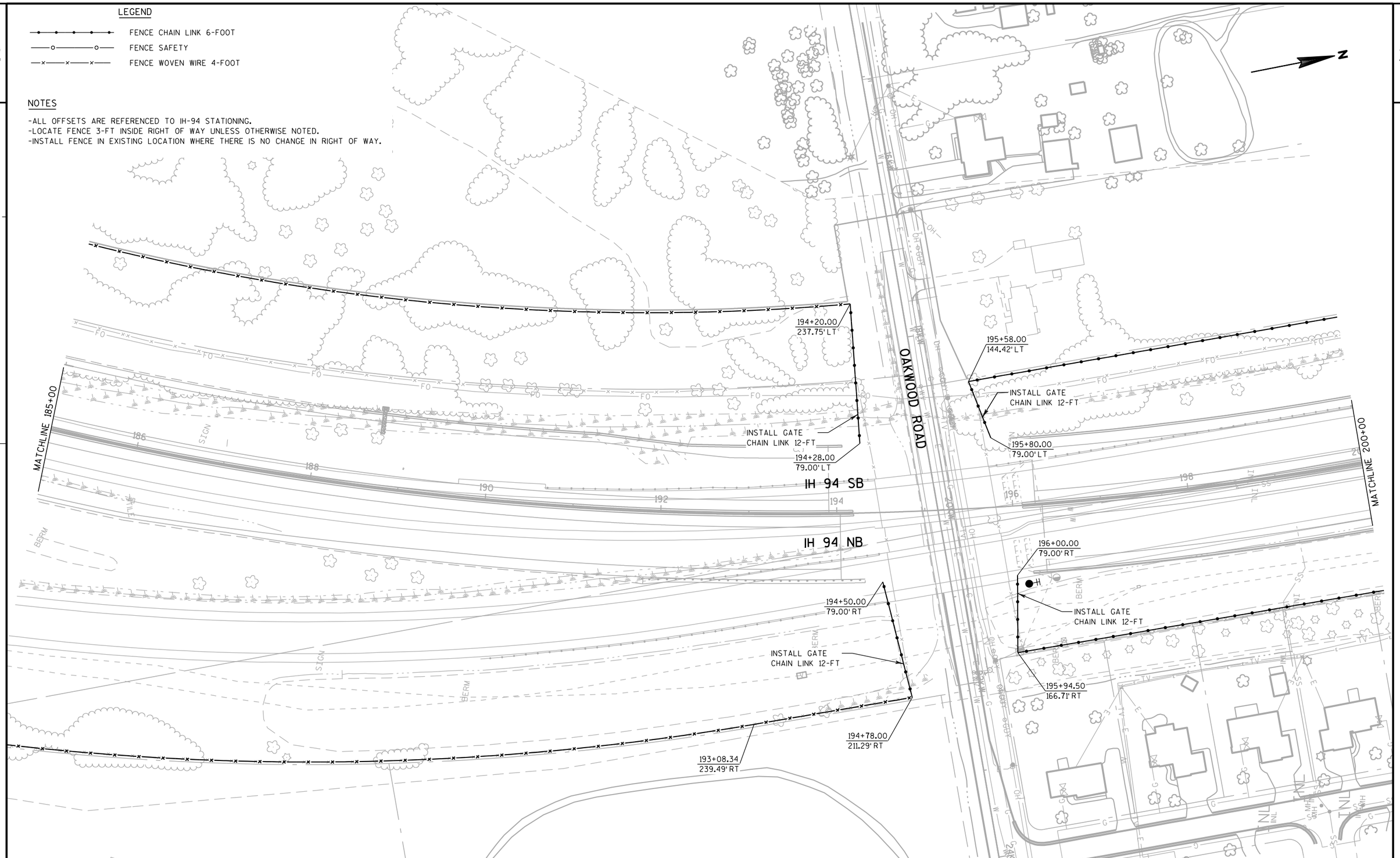
FENCE CHAIN LINK 6-FOOT

FENCE SAFETY

FENCE WOVEN WIRE 4-FOOT

NOTES

-ALL OFFSETS ARE REFERENCED TO IH-94 STATIONING.
-LOCATE FENCE 3-FT INSIDE RIGHT OF WAY UNLESS OTHERWISE NOTED.
-INSTALL FENCE IN EXISTING LOCATION WHERE THERE IS NO CHANGE IN RIGHT OF WAY.



2

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	FENCING	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\027105_fn.dgn PLOT DATE : 11-JUL-2018 22:04 PLOT BY : MSCD1S PLOT NAME : 027105_fn PLOT SCALE : 100:1

LEGEND

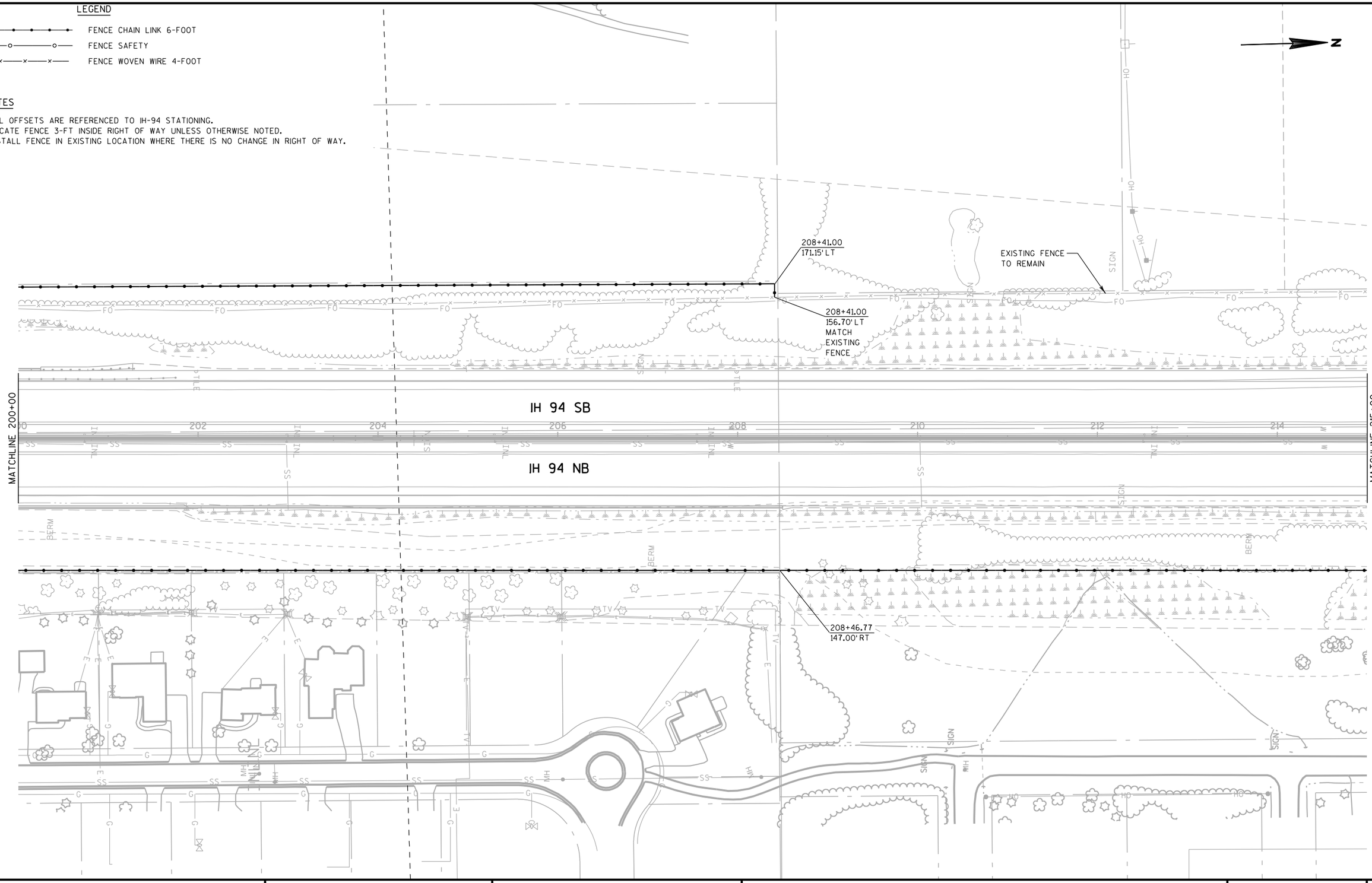
FENCE CHAIN LINK 6-FOOT

FENCE SAFETY

FENCE WOVEN WIRE 4-FOOT

NOTES

-ALL OFFSETS ARE REFERENCED TO IH-94 STATIONING.
-LOCATE FENCE 3-FT INSIDE RIGHT OF WAY UNLESS OTHERWISE NOTED.
-INSTALL FENCE IN EXISTING LOCATION WHERE THERE IS NO CHANGE IN RIGHT OF WAY.



PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	FENCING	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\027106_fn.dgn PLOT DATE : 11-JUL-2018 22:04 PLOT BY : MSCD1S PLOT NAME : 027106_fn PLOT SCALE : 100:1

2

LEGEND

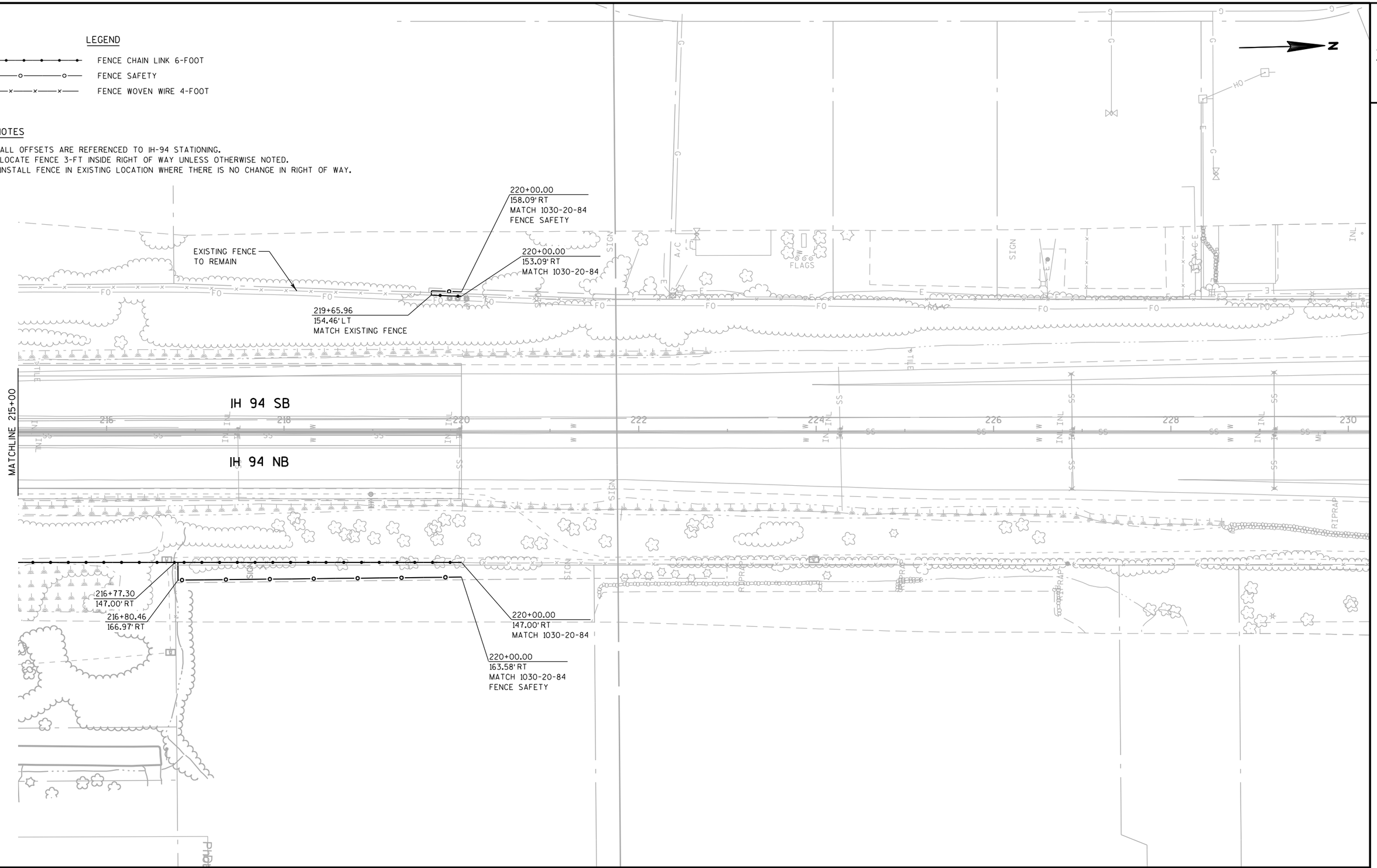
FENCE CHAIN LINK 6-FOOT

FENCE SAFETY

FENCE WOVEN WIRE 4-FOOT

NOTES

-ALL OFFSETS ARE REFERENCED TO IH-94 STATIONING.
-LOCATE FENCE 3-FT INSIDE RIGHT OF WAY UNLESS OTHERWISE NOTED.
-INSTALL FENCE IN EXISTING LOCATION WHERE THERE IS NO CHANGE IN RIGHT OF WAY.



PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	FENCING	SHEET	E

LEGEND

FENCE CHAIN LINK 6-FOOT

FENCE SAFETY

FENCE WOVEN WIRE 4-FOOT

NOTES

-ALL OFFSETS ARE REFERENCED TO IH-94 STATIONING.
-LOCATE FENCE 3-FT INSIDE RIGHT OF WAY UNLESS OTHERWISE NOTED.
-INSTALL FENCE IN EXISTING LOCATION WHERE THERE IS NO CHANGE IN RIGHT OF WAY.

167+91.67
519.43' RT

166+92.36
550.31' LT

165+47.15
589.19' LT

160+66.25
582.88' LT

161+77.47
146.41' LT

160+50.85
188.34' LT

166+66.74
186.75' RT

166+03.74
152.30' RT

RAMP ED

RAMP EA

RAMP EC

IH 94 SB

IH 94 NB

ELM ROAD

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	FENCING	SHEET	E

2

N

SECTION LINE 2619.45' S89°52'50"W

X=591946.81
Y=228495.69

T 4 N
R 21 E
36 | 36
1

R/L IH 94

PC
1

1270

N1°08'23"E

1275

1280

SECTION LINE 2436.69' N01°06'42"E

1285

CURVE 1

1290

1291

PI
1

R/L T

785T

790T

SECTION LINE 2655.56' S01°01'16"W

X=594613.51
Y=231132.06

T 5 N
R 22 E
36 | 31
31

X=594566.19
Y=228476.92

T 4 N
R 21 E
1 | 36
6 | 31
R 22 E

X=592340.69
Y=228458.31

T 4 N
R 21 E
1 | 1
6 | 6
R 22 E

135

STATION EQUATION
1293+00.00 BACK =
131+34.26 AHEAD

BEGIN PROJECT 1030-20-87
131+34.26
X=594846.40
Y=228508.84

SECTION LINE 2318.33' S89°00'43"E

X=596884.17
Y=228436.94

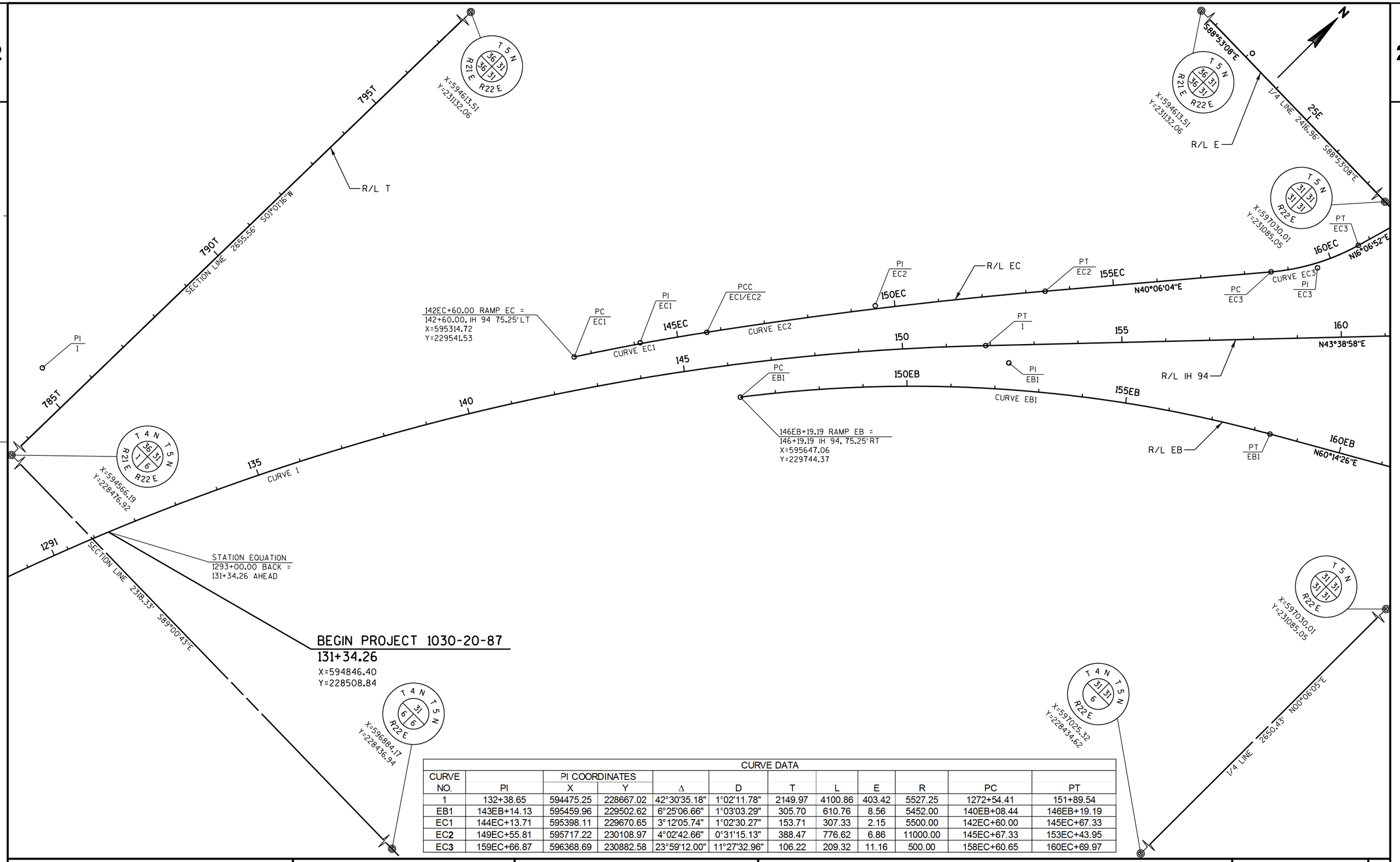
T 4 N
R 22 E
6 | 5
31

CURVE DATA											
CURVE NO.	PI	PI COORDINATES X	PI COORDINATES Y	Δ	D	T	L	E	R	PC	PT
1	132+38.65	594475.25	228667.02	42°30'35.18"	1°02'11.78"	2149.97	4100.86	403.42	5527.25	1272+54.41	151+89.54

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	ALIGNMENT LAYOUT	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\027201_ad.dgn PLOT DATE : 11-JUL-2018 22:05 PLOT BY : MSCD1S PLOT NAME : 027201_ad PLOT SCALE : 200:1

2

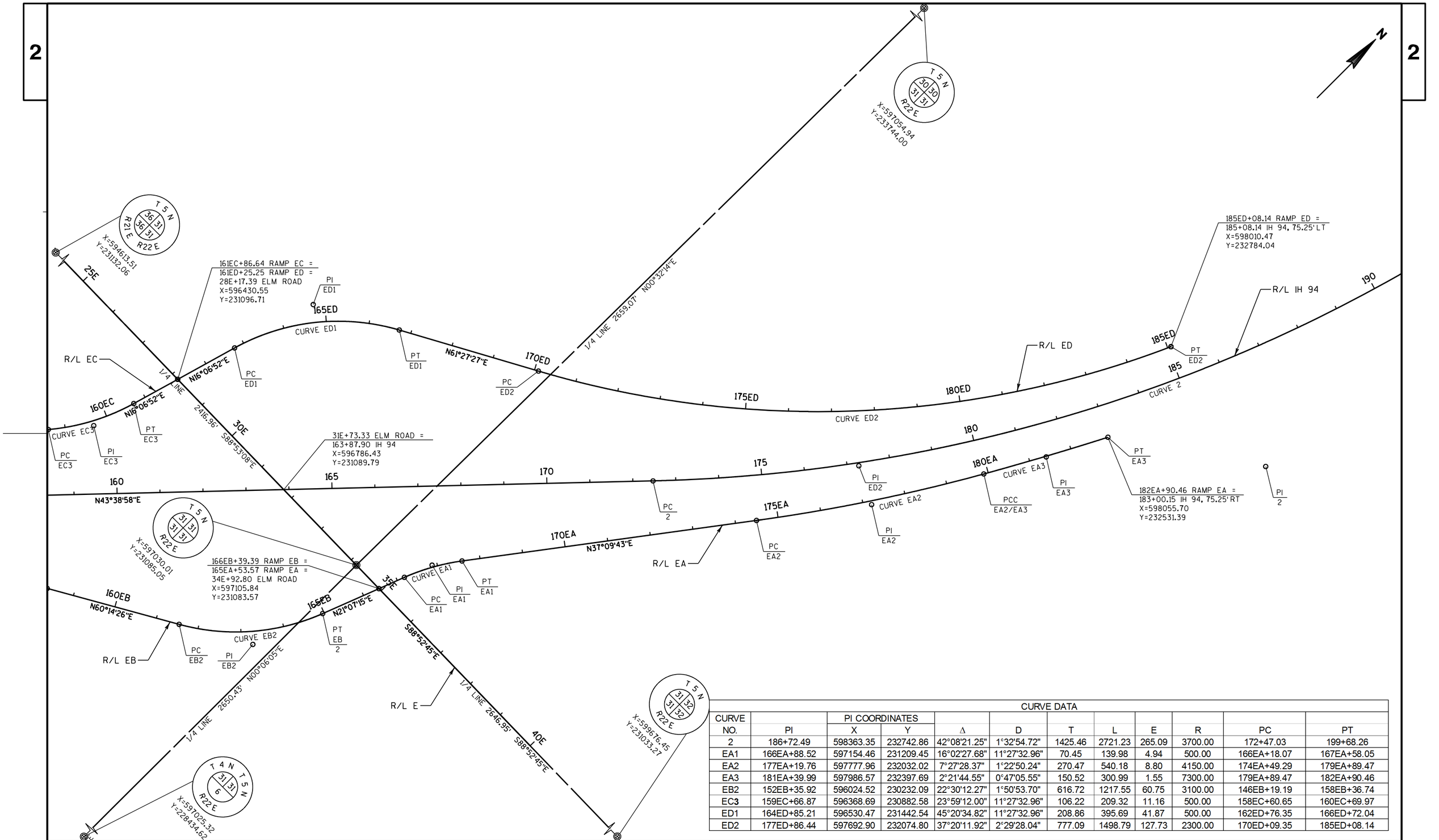


CURVE DATA

CURVE NO.	PI	PI COORDINATES X	PI COORDINATES Y	Δ	D	T	L	E	R	PC	PT
1	132+38.65	594475.25	228667.02	42°30'35.18"	1°02'11.78"	2149.97	4100.86	403.42	5527.25	1272+54.41	151+89.54
EB1	143EB+14.13	595459.96	229502.62	6°25'06.66"	1°03'03.29"	305.70	610.76	8.56	5452.00	140EB+08.44	146EB+19.19
EC1	144EC+13.71	595398.11	229670.65	3°12'05.74"	1°02'30.27"	153.71	307.33	2.15	5500.00	142EC+60.00	145EC+67.33
EC2	149EC+55.81	595717.22	230108.97	4°02'42.66"	0°31'15.13"	388.47	776.62	6.86	11000.00	145EC+67.33	153EC+43.95
EC3	159EC+66.87	596368.69	230882.58	23°59'12.00"	11°27'32.96"	106.22	209.32	11.16	500.00	158EC+60.65	160EC+69.97

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	ALIGNMENT LAYOUT	SHEET	E

2



CURVE DATA

CURVE NO.	PI	PI COORDINATES X	PI COORDINATES Y	Δ	D	T	L	E	R	PC	PT
2	186+72.49	598363.35	232742.86	42°08'21.25"	1°32'54.72"	1425.46	2721.23	265.09	3700.00	172+47.03	199+68.26
EA1	166EA+88.52	597154.46	231209.45	16°02'27.68"	11°27'32.96"	70.45	139.98	4.94	500.00	166EA+18.07	167EA+58.05
EA2	177EA+19.76	597777.96	232032.02	7°27'28.37"	1°22'50.24"	270.47	540.18	8.80	4150.00	174EA+49.29	179EA+89.47
EA3	181EA+39.99	597986.57	232397.69	2°21'44.55"	0°47'05.55"	150.52	300.99	1.55	7300.00	179EA+89.47	182EA+90.46
EB2	152EB+35.92	596024.52	230232.09	22°30'12.27"	1°50'53.70"	616.72	1217.55	60.75	3100.00	146EB+19.19	158EB+36.74
EC3	159EC+66.87	596368.69	230882.58	23°59'12.00"	11°27'32.96"	106.22	209.32	11.16	500.00	158EC+60.65	160EC+69.97
ED1	164ED+85.21	596530.47	231442.54	45°20'34.82"	11°27'32.96"	208.86	395.69	41.87	500.00	162ED+76.35	166ED+72.04
ED2	177ED+86.44	597692.90	232074.80	37°20'11.92"	2°29'28.04"	777.09	1498.79	127.73	2300.00	170ED+09.35	185ED+08.14

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	ALIGNMENT LAYOUT	SHEET	E

2

N

10KW

R/L KW

S88°47'45"E

15KW

SECTION LINE 2660.74' S88°47'45"E

190

195

20KW

CURVE 2

200

205

210

215

220

R/L IH 94

N1°30'37"E

PT
2

20KW+00.00 OAKWOOD ROAD=
195+14.96 IH 94
X=598361.28
Y=233716.54

END PROJECT 1030-20-87
220+00.00
X=598454.48
Y=236198.85

25KW

S88°47'45"E

T 5 N
R22 E
30 29
31 32

X=599715.09
Y=233688.08

T 5 N
R22 E
30 30
31 31

X=597054.94
Y=233744.00

CURVE DATA

CURVE NO.	PI	PI COORDINATES X	PI COORDINATES Y	Δ	D	T	L	E	R	PC	PT
2	186+72.49	598363.35	232742.86	42°08'21.25"	1°32'54.72"	1425.46	2721.23	265.09	3700.00	172+47.03	199+68.26

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	ALIGNMENT LAYOUT	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\027204_ad.dgn PLOT DATE : 11-JUL-2018 22:05 PLOT BY : MSCD1S PLOT NAME : 027204_ad PLOT SCALE : 200:1

2

T 5 N
25 30
36 31
R21 E R22 E

X=594671.45
Y=233790.46

820T

815T

SECTION LINE 2659.03' S01°14'55"W N1°14'55"E

R/L T

T 5 N
30 30
31 31
R22 E

X=597054.94
Y=233744.00

N

1/4 LINE 2659.07' N00°32'14"E

R/L ED

170ED

N61°27'27"E

170

165ED

R/L IH 94

170EA

810T+01.49 27TH STREET =
10E+00.0073.33 ELM ROAD
X=594613.51
Y=231132.06

R/L E

31E+73.33 ELM ROAD =
163+87.90 IH 94
X=596786.43
Y=231089.79

N16°06'52"E

165

R/L EA

1/4 LINE 2616.59' S89°51'27"E

S89°51'27"E

810T

10E

15E

20E

25E

1/4 LINE 2416.96' S88°53'08"E

S88°53'08"E

30E

35E

1/4 LINE 2646.95' S88°52'45"E

S88°52'45"E

T 5 N
36 36
36 36
R21 E

X=591996.93
Y=231138.57

T 5 N
36 31
36 31
R21 E R22 E

X=594613.51
Y=231132.06

T 5 N
31 31
31 31
R22 E

X=597030.01
Y=231085.05

T 5 N
31 32
31 32
R22 E

X=599676.45
Y=231033.27

160EC

N16°06'52"E

165EB

N21°07'15"E

R/L EC

160

N43°38'58"E

R/L EB

T 4 N T 5 N
36 31
1 6
R21 E R22 E

X=594566.19
Y=228476.92

805T

SECTION LINE 2655.56' S01°01'16"W N1°01'16"E

155EC

N40°06'04"E

160EB

N60°14'26"E

T 4 N T 5 N
31 31
6
R22 E

X=597025.32
Y=228434.62

1/4 LINE 2650.43' N00°06'05"E

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	ALIGNMENT LAYOUT	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\027205_ad.dgn PLOT DATE : 11-JUL-2018 22:05 PLOT BY : MSCD1S PLOT NAME : 027205_ad PLOT SCALE : 200:1

WISDOT/CADDS SHEET 42

2

T 4 N R 21 E 36 1 31 6 T 5 N R 22 E
X=594566.19
Y=228476.92

SECTION LINE 2655.56' S01°01'16"W

BEGIN PROJECT 1030-20-87
131+34.26
X=594846.40
Y=228508.84

STATION EQUATION
1293+00.00 BACK =
131+34.26 AHEAD

PC
1

SECTION LINE 2318.33' S89°00'43"E

1130+84.00 IH 94 TEMP =
130+83.88 IH 94, 21.00'RT
X=594846.96
Y=228454.35

T 4 N R 22 E 31 6 6 T 5 N
X=596884.17
Y=228436.94

PI
1

CURVE 1

PT
1

T 5 N R 21 E 36 36 31 31 R22 E
X=594613.51
Y=231132.06

R/L E

1/4 LINE 2416.96' S88°53'08"E

T 5 N R22 E 31 31 31 31
X=597030.01
Y=231085.05

R/L IH 94

R/L IH 94 TEMP

N45°21'42"E

T 4 N R22 E 31 31 6 T 5 N
X=597025.32
Y=228434.62

T 5 N R22 E 31 31 31 31
X=597030.01
Y=231085.05

1/4 LINE 2650.43' N00°06'05"E

CURVE DATA

CURVE NO.	PI	PI COORDINATES X	PI COORDINATES Y	Δ	D	T	L	E	R	PC	PT
1	1137+93.28	595130.27	229104.59	21°49'07.48"	1°33'25.02"	709.28	1401.38	67.73	3680.00	1130+84.00	1144+85.38

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	ALIGNMENT LAYOUT - TEMPORARY	SHEET	E

2

N

T 5 N
30 30
31 31
R22 E
X=597054.94
Y=233744.00

1/4 LINE 2659.07' N00°32'14"E

T 5 N
36 31
36 31
R21 E R22 E
X=594613.51
Y=231132.06

1/4 LINE 2416.96' S88°53'08"E

190
185
1190
180
175
170
165
160
R/L IH 94
1185
1180
CURVE 2
R/L IH 94 TEMP
1175
1170
1165
1160
N45°21'42"E
PC 2
PI 2

T 5 N
31 31
31 31
R22 E
X=597030.01
Y=231085.05

1/4 LINE 2650.43' N00°06'05"E

1/4 LINE 2646.95' S88°52'45"E

T 5 N
31 32
31 32
R22 E
X=599676.45
Y=231033.27

T 4 N T 5 N
31 31
6
R22 E
X=597025.32
Y=228434.62

CURVE DATA

CURVE NO.	PI	PI COORDINATES X	PI COORDINATES Y	Δ	D	T	L	E	R	PC	PT
2	1183+46.12	598382.10	232315.62	43°51'04.95"	1°59'59.47"	1153.21	2192.73	223.39	2865.00	1171+92.91	1193+85.64

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	ALIGNMENT LAYOUT - TEMPORARY	SHEET	E

2

N

X=597054.94
Y=233744.00

T 5 N
R22 E
30 | 30
31 | 31

SECTION LINE 2660.74' S88°47'45"E

190 195 1195 1200 200 205 1205 1210 210 215 1215 1220 220

CURVE 2

PT
2

N1°30'37"E

R/L IH 94

R/L IH 94 TEMP

END PROJECT 1030-20-87
220+00.00
X=598454.48
Y=236198.85

1221+66.21 IH 94 TEMP =
220+50.00 IH 94, 30.00' RT
X=598485.78
Y=236248.04

X=599715.09
Y=233688.08

T 5 N
R22 E
31 | 32
30 | 29

CURVE DATA

CURVE NO.	PI	PI COORDINATES X	PI COORDINATES Y	Δ	D	T	L	E	R	PC	PT
2	1183+46.12	598382.10	232315.62	43°51'04.95"	1°59'59.47"	1153.21	2192.73	223.39	2865.00	1171+92.91	1193+85.64

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	ALIGNMENT LAYOUT - TEMPORARY	SHEET	E

2

N

W. FRONTAGE ROAD

S. 27TH STREET

ELM ROAD

ST JOHN'S WAY

ROOT RIVER

RYAN ROAD

OAKWOOD ROAD

OAK CREEK

IH 94

S. SETTLERS WAY

CP78610

CP78728

CP80976

CP81018

CP80909

CP82405

CP80086

CP13329

CP15009

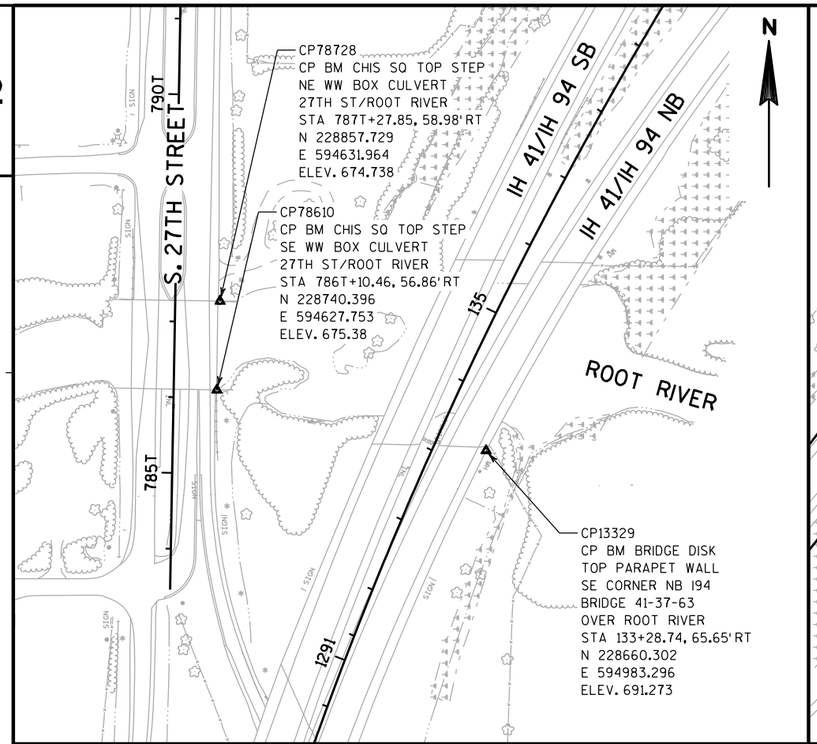
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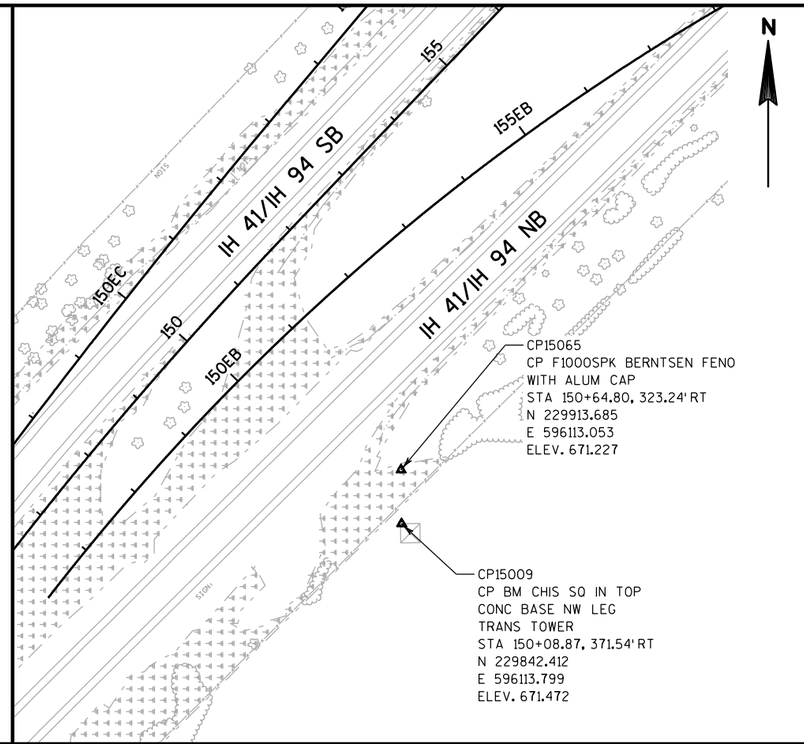
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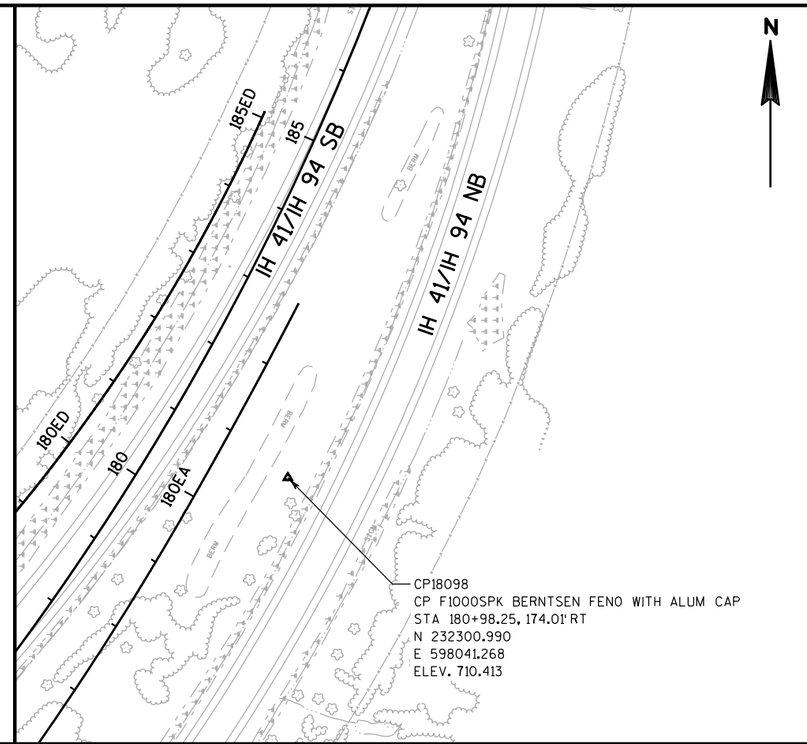
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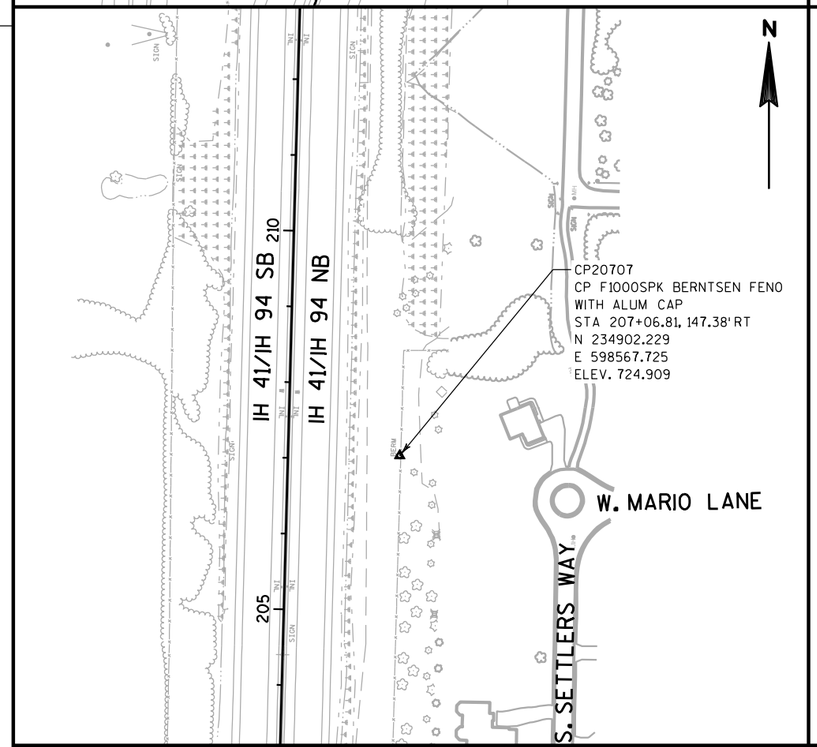
PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	ALIGNMENT LAYOUT - SURVEY CONTROL OVERVIEW	SHEET	E

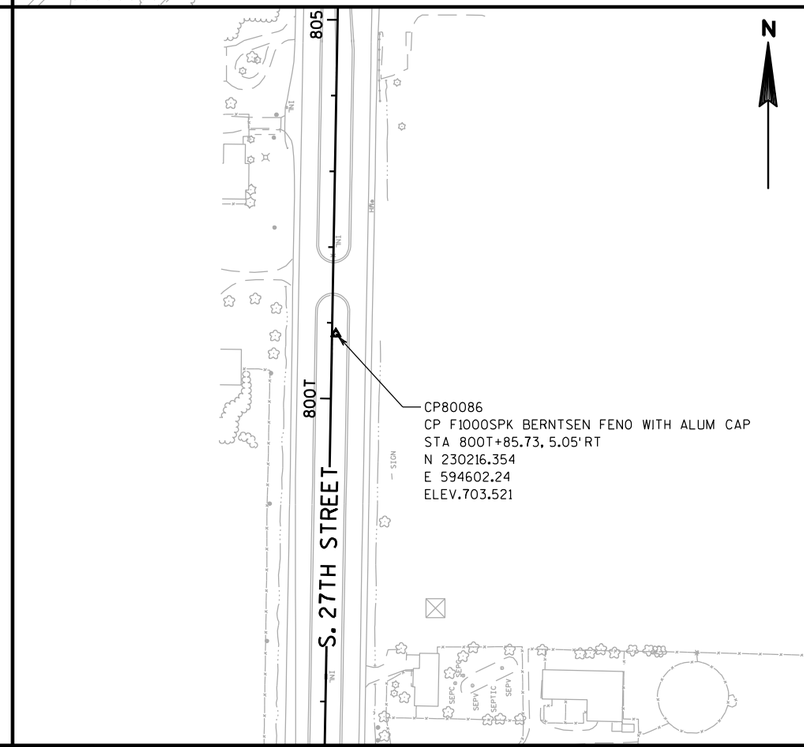
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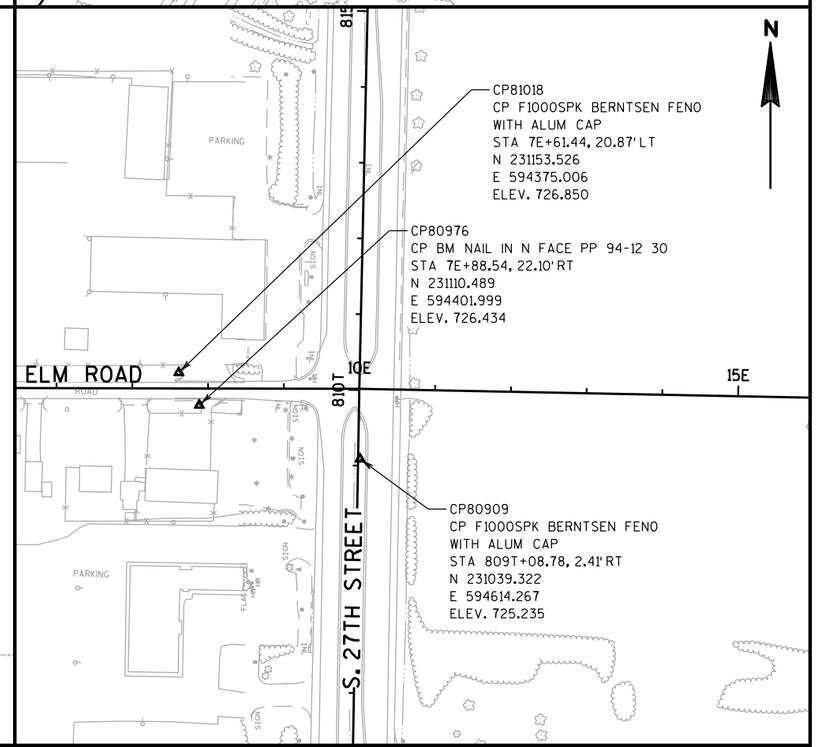




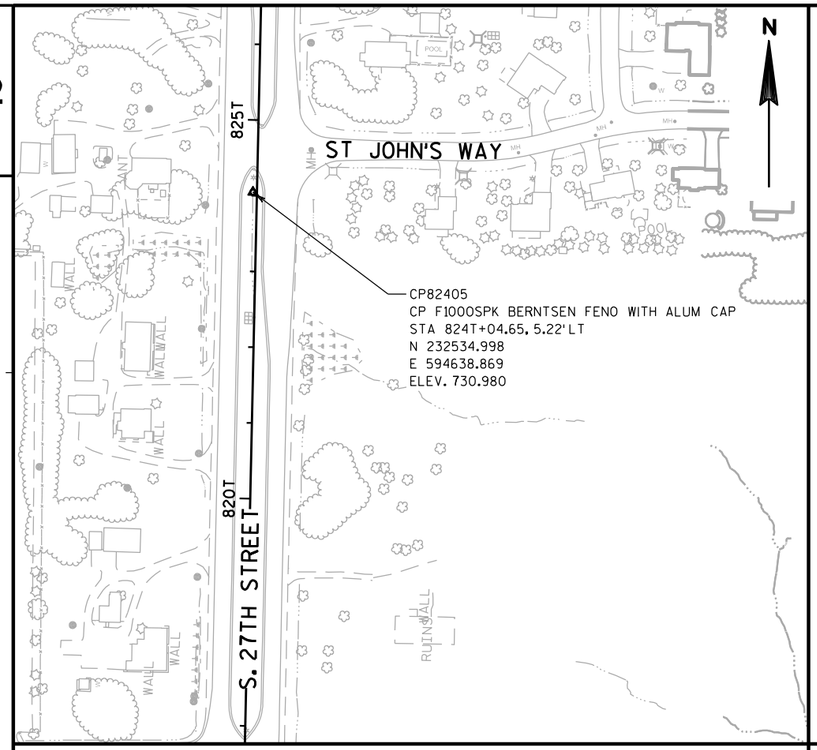








PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	ALIGNMENT LAYOUT - SURVEY CONTROL	SHEET	E



PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	ALIGNMENT LAYOUT - SURVEY CONTROL	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\027282_ad_cp.dgn PLOT DATE : 11-JUL-2018 22:06 PLOT BY : MSCD1S PLOT NAME : 027282_ad_cp PLOT SCALE : 200:1

CLEARING AND GRUBBING

CATEGORY	STAGE	ROADWAY	STATION	TO STATION	OFFSET	201.0105 CLEARING STA	201.0205 GRUBBING STA	201.0115 CLEARING ACRE	201.0215 GRUBBING ACRE
1000	1	IH 94 NB							
			131+34	134+00	RT	3	3	--	--
			135+00	136+00	RT	1	1	--	--
			139+00	143+00	RT	4	4	--	--
			209+00	220+00	RT	11	11	--	--
		STAGE 1 SUBTOTAL				19	19	--	--
1000	2	IH 94 NB							
			144+00	146+00	RT	2	2	--	--
			148+00	150+00	RT	2	2	--	--
			152+00	181+00	RT	29	29	--	--
			184+00	185+00	RT	1	1	--	--
			186+00	190+00	RT	4	4	--	--
		IH 94 SB							
			132+00	134+00	LT	2	2	--	--
			135+00	145+00	LT	10	10	--	--
			146+00	151+00	LT	5	5	--	--
			153+00	164+00	LT	11	11	--	--
			166+00	210+00	LT	44	44	--	--
			213+00	220+00	LT	7	7	--	--
		STH 241/ 27TH STREET							
			806T+00	812T+00	RT	6	6	--	--
		ELM ROAD							
			8E+00	9E+00	LT	1	1	--	--
			16E+00	17E+00	RT	1	1	--	--
		IH 94 SB FENCE							
			136+00	194+00	LT	--	--	0.4	0.4
		STAGE 2 SUBTOTAL				125	125	0.4	0.4
1000	4	IH 94 NB FENCE							
			135+00	209+00	RT	--	--	0.7	0.7
		STAGE 4 SUBTOTAL				--	--	0.7	0.7
		TOTAL				144	144	1.1	1.1

REMOVING CULVERT

CATEGORY	STAGE	ROADWAY	FROM STATION	FROM LOCATION	TO STATION	TO LOCATION	SIZE, LENGTH AND TYPE OF MATERIAL	203.0100 REMOVING SMALL PIPE CULVERTS EACH
1000	1	STH 241/ 27TH STREET						
			809T+30	5' LT	810T+41	1' RT	12' x 110' CMCP	1
	2 & 4	IH 94						
			140+74	22' RT	141+34	31' RT	18" x 60' CMCP	1
			142+10	66' RT	142+11	179' RT	24" x 115' CMCP	1
			148+30	140' RT	148+25	260' RT	24" x 120' CMCP	1
			212+00	93' RT	212+00	144' RT	24" x 51' CMCP	1
	4	OAKWOOD ROAD						
			17KW+55	19' LT	17KW+34	20' LT	18" x 20' CMCP	1
			18KW+84	27' RT	19KW+00	30' LT	30" x 59' CMCP	1
		TOTAL						7

REMOVING DELINEATORS AND MARKERS

CATEGORY	STAGE	ROADWAY	STATION	TO STATION	204.0180 REMOVING DELINEATORS AND MARKERS EACH
1000	1	IH 94 NB			
			131+34	132+70	1
			136+00	194+19	4
			196+02	220+00	2
		STAGE 1 SUBTOTAL			7
1000	2	IH 94 SB			
			136+00	194+19	14
			196+02	220+00	3
		STAGE 2 SUBTOTAL			17
		TOTAL			24

REMOVING PAVEMENT

CATEGORY	STAGE	ROADWAY	STATION	TO STATION	204.0100 REMOVING PAVEMENT SY	204.0110 REMOVING ASPHALTIC SURFACE SY	204.0120 REMOVING ASPHALTIC SURFACE MILLING SY	REMARKS
1000	1	IH 94 NB						
			131+34	133+34	211	--	--	FOR NB WIDENING
			135+88	194+56	4,225	--	--	FOR NB WIDENING
			194+56	195+81	--	--	815	B-40-224
			195+81	220+00	649	--	--	FOR NB WIDENING & RYAN RD RAMP SB CROSSOVER
		IH 94 SB						
			217+07	220+00	158	--	--	FOR RYAN ROAD RAMP SB CROSSOVER
		STH 241/ 27TH STREET						
			804T+00	812T+17	--	--	3,597	
		STAGE 1 SUBTOTAL			5,243	--	4,412	
	2	IH 94 SB						
			131+34	133+00	934	--	--	
			135+70	194+51	36,864	--	--	
			195+81	220+00	14,347	--	--	
		STAGE 2 SUBTOTAL			52,145	--	--	
	3	IH 94 NB						
			202+94	220+00	386	--	--	
		IH 94 SB						
			202+94	220+00	1,764	--	--	
		STAGE 3 SUBTOTAL			2,150	--	--	
	4	IH 94 NB						
			131+34	133+34	935	--	--	
			135+88	194+56	30,604	--	--	
			195+81	220+00	12,223	--	--	
		IH 94 NB WIDENING						
			1131+34	1133+16	--	747	--	
			1136+06	1195+67	--	23,697	--	
			1196+98	1221+16	--	8,101	--	
		STAGE 4 SUBTOTAL			43,762	32,545	--	
	5	IH 94 NB						
			135+70	194+51	--	2,082	--	
			195+81	220+00	--	1,479	--	
		STAGE 5 SUBTOTAL			--	3,561	--	
		TOTALS			103,300	36,106	4,412	

REMOVING CONCRETE BARRIER

CATEGORY	STAGE	ROADWAY	STATION	TO STATION	OFFSET	204.0157 LF
1000	1	IH 94 NB				
			131+34	133+34	RT	197
			136+17	137+94	RT	175
			215+81	220+00	RT	419
		IH 94 SB				
			215+81	220+00	LT	419
		STAGE 1 SUBTOTAL				1,210
1000	2	IH 94 NB				
			196+17	196+98	RT	82
		IH 94 SB				
			131+34	132+75	LT	143
			131+34	133+01	LT	167
			135+39	137+19	LT	183
			135+67	137+26	LT	160
			195+81	202+95	LT	714
		STAGE 2 SUBTOTAL				1,449
1000	3	IH 94 NB				
			131+34	132+23	RT	175
			202+95	215+81	RT	1,286
		IH 94 SB				
			202+95	215+81	RT	1,286
		STAGE 3 SUBTOTAL				2,747
1000	4	IH 94 NB				
			135+89	138+01	RT	212
			196+98	202+95	RT	597
		STAGE 4 SUBTOTAL				809
		TOTAL				6,215

3

REMOVING FENCE

CATEGORY	STAGE	ROADWAY	FROM STATION	FROM OFFSET	TO STATION	TO OFFSET	204.0170 LF
1000	2	IH 94 SB					
			136+41	442' LT	194+46	38' LT	6,012
			195+75	47' LT	208+27	156' LT	1,326
		STAGE 2 SUBTOTAL					7,338
1000	4	IH 94 NB					
			131+64	175' RT	133+36	68' RT	224
			136+13	84' RT	194+63	104' RT	6,203
			196+90	85' RT	208+47	208' RT	1,404
			216+78	214' RT	220+00	147' RT	394
		STAGE 4 SUBTOTAL					8,225
		TOTAL					15,563

REMOVING UNDERDRAIN

CATEGORY	STAGE	LOCATION	204.9090.S.0002 REMOVING UNDERDRAIN LF	COMMENTS
1000	1	153+00 -168+00	1,500	4" PU WRAPPED
		168+00 - EXISTING B-40-223	2,640	4" PU WRAPPED
		B-40-223 - 203+00	710	4" PU WRAPPED
		144+03 - 152+03	91	6" PUU OUTFALL LEFT
		154+03 - 202+00	294	6" PUU OUTFALL LEFT
	STAGE 1 SUBTOTAL		5,235	
1000	2	146+00 - 202+00	350	MEDIAN OUTFALLS
		146+00 - 168+00	2,200	4" PU WRAPPED
		168+00 - EXISTING B-40-222	2,640	4" PU WRAPPED
		B-40-222 - 203+00	710	4" PU WRAPPED
		131+34.26 - 220+00	16,860	4" PU WRAPPED
		131+34.26 - 220+00	1,010	6" PUU OUTFALL LEFT
	STAGE 2 SUBTOTAL		23,770	
1000	4	131+34.26 - 146.03	1,470	4" PU WRAPPED
		202+00 - 220+00	2,130	4" PU WRAPPED
		131+34.26 -0146+03	170	6" PUU OUTFALL LEFT
		202+00 - 220+00	205	6" PUU OUTFALL LEFT
	STAGE 4 SUBTOTAL		3,975	
	TOTAL		32,980	

REMOVING CURB & GUTTER

CATEGORY	STAGE	ROADWAY	STATION	TO STATION	LOCATION	204.0150 LF
1000	1	STH 241/ 27TH STREET				
			804T+00	809T+78	LT/RT	641
			810T+20	815T+91	LT/RT	639
		STAGE 1 SUBTOTAL				1,280
1000	2	ELM ROAD				
			9E+14	9E+47	LT	60
			9E+24	9E+47	RT	35
		STAGE 2 SUBTOTAL				95
		TOTAL				1,375

OBLITERATING OLD ROAD

CATEGORY	STAGE	ROADWAY	STATION	TO STATION	OFFSET	214.0100 OBLITERATING OLD ROAD STA
1000	4	IH 94 NB				
			143+00	153+00	RT	10
			170+00	190+00	RT	20
		TOTAL				30

REMOVING GUARDRAIL

CATEGORY	STAGE	ROADWAY	TO STATION	TO LOCATION	FROM STATION	FROM LOCATION	204.0165 LF
1000	1	IH 94 NB					
			190+11	181' RT	194+55	102' RT	468
		STAGE 1 SUBTOTAL					468
1000	2	IH 94 NB					
			192+48	76' RT	194+48	47' RT	206
		IH 94 SB					
			137+19	84' LT	138+00	87' LT	83
			137+25	26' LT	138+07	25' LT	83
			190+66	19' LT	194+44	38' LT	376
			195+74	47' LT	201+76	67' LT	595
		STAGE 2 SUBTOTAL					1343
		TOTAL					1,811

REMOVING INLETS

CATEGORY	STAGE	ROADWAY	STATION	OFFSET	204.0220 EACH
1000	1	IH 94 NB			
			136+23	81.0' RT	1
		STH 241/ 27TH STREET			
			807T+21	5.0' LT	1
		STAGE 1 SUBTOTAL			2
1000	2	IH 94 SB			
			132+66	20.0' LT	1
			132+66	7.0' LT	1
			198+54	2.0' LT	1
			200+74	4.0' LT	1
		STH 241/ 27TH STREET			
			810T+41	70.0' LT	1
		STAGE 2 SUBTOTAL			5
1000	3	IH 94 NB			
			202+98	4.1' RT	1
			205+30	4.0' RT	1
			207+55	4.0' RT	1
			210+03	4.0' RT	1
			212+51	4.0' RT	1
			215+00	4.0' RT	1
			217+48	4.0' RT	1
			219+99	4.0' RT	1
		IH 94 SB			
			202+99	4.0' LT	1
			205+29	4.0' LT	1
			207+55	4.0' LT	1
			210+03	4.0' LT	1
			212+52	4.0' LT	1
			215+00	4.0' LT	1
			217+48	4.0' LT	1
			217+48	1.0' LT	1
			219+98	4.0' LT	1
			219+98	1.0' LT	1
		STAGE 3 SUBTOTAL			18
1000	4	IH 94 NB			
			198+56	6.0' RT	1
			200+74	4.4' RT	1
		STAGE 4 SUBTOTAL			2
		TOTAL			27

REMOVING STORM SEWER

CATEGORY	STAGE	ROADWAY	STATION	TO	STATION	OFFSET	204.0245.0002 12-INCH LF	204.0245.0004 15-INCH LF	204.0245.0006 18-INCH LF
1000	1	IH 94							
			136+23		136+17	RT	--	--	52
		STAGE 1 SUBTOTAL					--	--	52
1000	2	IH 94							
			132+66		132+65	LT	16	--	--
		STAGE 2 SUBTOTAL					16	--	--
1000	3	IH 94							
			202+98		202+98	LT/RT	72	--	--
			205+30		205+30	LT/RT	8	--	--
			205+30		207+55	RT	225	--	--
			207+55		207+55	LT/RT	8	--	--
			207+55		210+03	RT	--	248	--
			210+03		210+03	LT/RT	8	--	--
			212+52		212+52	LT/RT	8	--	--
			212+52		215+00	RT	248	--	--
			215+00		215+00	LT/RT	8	--	--
			215+00		217+48	RT	--	248	--
			217+48		217+48	LT/RT	8		--
			217+48		219+98	RT	--	250	--
			219+98		219+98	LT/RT	8	--	--
		STAGE 3 SUBTOTAL					601	746	--
1000	4	IH 94							
			132+65		132+60	LT/RT	100	--	--
			198+56		200+74	RT	218	--	--
			200+74		202+98	RT	--	224	--
			202+98		202+98	RT	--	--	72
			210+03		210+03	RT	--	--	72
			217+48		217+48	RT	--	--	72
			219+98		219+98	RT	--	--	72
		IH 94 NB WIDENING							
			1132+62		1132+61	RT	--	--	29
			1204+16		1204+17	RT	--	--	6
			1211+21		1211+21	RT	--	--	15
			1218+66		1218+66	RT	--	--	18
			1221+14		1221+13	RT	--	--	18
		STAGE 4 SUBTOTAL					318	224	374
		TOTAL					935	970	426

3

3

EARTHWORK SUMMARY

CATEGORY	STAGE	ROADWAY	FROM / TO STATION	205.0100 (1) EXCAVATION COMMON CY	SPV.0035.0008 (2)(5) EBS EXCAVATION CY	SPV.0035.0009 EBS BACKFILL CY	SPV.0035.0006 (3) ROADWAY EMBANKMENT CY	SPV.0195.0010 SOIL DRYING TREATMENT TON	SPV.0195.0012 SUBGRADE STRENGTHENING TREATMENT TON	(4) MASS ORDINATE +/-
1000	1	RAMP EC	160+00 to 161+31	0	0	0	7,711	0	0	-7,711
		RAMP ED	162+09 to 172+00	81,646	12,247	12,247	13,427	306	7,348	68,219
		ELM	8+47 to 28+50	15,756	2,363	2,363	50,250	59	1,418	-34,494
		TEMPORARY WIDENING	1131+39 to 1221+15	52,300	7,845	7,845	19,478	196	4,707	32,822
		SUBTOTALS STAGE 1		149,702	22,455	22,455	90,866	561	13,473	58,837
1000	2	IH 94 SB	131+35 to 220+00	42,024	6,304	6,304	97,885	158	3,782	-55,861
		IH 94 NB	147+00 to 190+50	17,925	2,689	2,689	68,199	67	1,613	-50,273
		RAMP EC	145+64 to 160+00	5,383	807	807	43,603	20	484	-38,220
		RAMP ED	172+00 to 182+33	56,957	2,848	2,848	2,473	71	1,709	54,484
		ELM	28+50 to 30+02	0	0	0	15,018	0	0	-15,018
		27TH STREET	805+75 to 818+50	1,555	233	233	310	6	140	1,244
		RAMP ED - POND	--	48,142	0	0	208	0	0	47,934
		TEMPORARY WIDENING	149+38 to 179+22	2,604	391	391	11,728	10	235	-9,125
		SUBTOTALS STAGE 2		174,590	13,272	13,272	239,425	332	7,963	-64,835
1000	4	IH 94 NB	131+35 to 146+50 191+00 to 220+00	19,370	2,906	2,906	21,366	73	1,744	-1,996
		RAMP EA	166+10 to 179+84	36,191	5,429	5,429	15,104	136	3,257	21,087
		RAMP EB	149+13 to 165+50	29,289	4,393	4,393	41,669	110	2,636	-12,380
		ELM	33+44 to 34+66	0	0	0	7,580	0	0	-7,580
		OAKWOOD	17+00 to 22+00	1,154	173	173	3,557	4	104	-2,403
		RAMP EB - POND	--	15,552	0	0	1,241	0	0	14,311
		SUBTOTALS STAGE 4		101,556	12,901	12,901	90,517	323	7,741	11,039
		GRAND TOTALS		425,849	48,628	48,628	420,807	1,216	29,177	5,041

Notes:

1) Cut Volume Includes Concrete and Asphaltic Surface Material.
2) EBS Excavation to be backfilled with EBS Backfill. ~~All EBS material is assumed to be wasted offsite.~~
3) Roadway Embankment = Unexpanded Fill
4) The Mass Ordinate + or - quantity is calculated by stage. A positive quantity indicates an excess of material within the stage and a negative number indicates a shortage of material within the stage. Mass Ordinate = Cut-Embankment. The mass ordinate is for informational purposes only as Common Excavation and Roadway Embankment are not balanced for quantity purposes and does not guarantee the quality of Common Excavation, and if it can be reused onsite.
5) Geogrid Type SR is to be used in locations of EBS backfill. Quantity is listed elsewhere.

BASE AGGREGATE ITEMS

CATEGORY	STAGE	ROADWAY	STATION		STATION	305.0115 BASE AGGREGATE DENSE 3/4-INCH CY	305.0125* BASE AGGREGATE DENSE 1 1/4-INCH CY	312.0115 SELECT CRUSHED MATERIAL CY
1000	1	S. 27TH STREET/ STH 241						
			805T+74	-	815T+91	80	761	--
		ELM ROAD						
			8E+47	-	9E+56	--	143	--
		IH 94 NB WIDENING						
			1131+34	-	1133+16	--	299	--
			1136+05	-	1148+25	--	1,781	6
			1148+25	-	1169+75	--	3,139	8
			1169+75	-	1195+67	--	3,785	8
			1196+99	-	1197+25	--	43	--
			1197+25	-	1221+15	--	2,340	8
		STAGE 1 SUBTOTAL				80	12,291	30
1000	2	IH 94 NB						
			146+10	-	190+75	485	6,679	17,081
		IH 94 SB						
			131+34	-	134+00	20	180	450
			134+00	-	195+00	316	9,155	26,001
			195+00	-	220+00	461	3,344	8,239
		RAMP EA						
			167EA+23	-	175EA+27	134	679	1,496
			175EA+27	-	179EA+84	98	354	800
		RAMP EB						
			149EB+12	-	152EB+27	88	264	541
		RAMP EC						
			145EC+64	-	150EC+58	--	350	935
			150EC+58	-	161EC+35	65	901	2,329
		RAMP ED						
			161ED+82	-	179ED+36	387	1,485	2,807
			179ED+36	-	182ED+33	62	244	521
		ELM ROAD						
			10E+49	-	30E+95	23	3,213	8,548
			32E+51	-	33E+88	--	66	157
		STAGE 2 SUBTOTAL				2,139	26,914	69,905

BASE AGGREGATE ITEMS (CONTINUED)

CATEGORY	STAGE	ROADWAY	STATION		STATION	305.0115 BASE AGGREGATE DENSE 3/4-INCH CY	305.0125* BASE AGGREGATE DENSE 1 1/4-INCH CY	312.0115 SELECT CRUSHED MATERIAL CY
1000	3	IH 94 SB						
			131+34	-	132+85	--	29	106
			202+94	-	220+00	--	835	2,683
		STAGE 3 SUBTOTAL				--	864	2,789
1000	4	IH 94 NB						
			131+34	-	133+20	--	241	655
			136+00	-	146+10	108	1,606	4,115
			190+75	-	194+04	43	569	1,392
			196+18	-	220+00	272	3,463	8,713
		RAMP EA						
			166EA+10	-	167EA+23	18	100	224
		RAMP EB						
			152EB+27	-	166EB+00	353	1,150	2,100
		ELM ROAD						
			33E+88	-	35E+06	17	243	575
		OAKWOOD ROAD						
			17KW+00	-	22KW+00	26	652	--
		IH 94 SB WIDENING						
			149+38	-	152+83	--	137	--
			152+83	-	172+00	--	317	--
			172+00	-	179+22	--	212	1
			191+42	-	194+00	--	46	--
			199+66	-	220+00	--	472	4
		B-40-800/B-40-801 TRAIL						
			135+50	-	136+00	--	71	--
		STAGE 4 SUBTOTAL				837	9,279	17,779
		TOTALS				3,056	49,348	90,503

*ADDITONAL QUANTITIES LISTED ELSEWHERE

3

FINISHING ROADWAY PROJECT

CATEGORY	PROJECT	213.0100.0004 EACH
1000	1030-20-87	1
	TOTAL	1

REMOVING ASPHALTIC SURFACE BUTT JOINTS

CATEGORY	STAGE	ROADWAY	STATION	TO	STATION	204.0115 REMOVING ASPHALTIC SURFACE BUTT JOINTS SY
1000	1	IH 94 NB				
			132+88		133+13	156
			135+92		136+17	156
			194+32		194+57	156
			195+86		196+11	156
		TOTAL				624

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REMOVAL AND DISPOSAL OF INVASIVE PLANT SPECIES

CATEGORY	ROADWAY	STATION	TO	STATION	OFFSET	SPV.0170.0002 REMOVAL AND DISPOSAL OF INVASIVE PLANT SPECIES STA
1000	IH 94					
		138+00		140+00	LT/RT	2
		150+00		152+00	LT/RT	2
		168+00		170+00	LT/RT	2
		200+00		202+00	LT/RT	2
	TOTAL					8

CREOSOTE CONTAMINATED SOIL

CATEGORY	STAGE	ROADWAY	STRUCTURE	SPV.0195.0005 EXCAVATION, HAULING, AND DISPOSAL OF CREOSOTE CONTAMINATED SOIL TON
1000	2	IH 94 SB		
			B-40-221	232
			B-40-223	170
		STAGE 2 SUBTOTAL		402
1000	4	IH 94 SB		
		NB	B-40-222	231
		NB	B-40-224	170
		STAGE 4 SUBTOTAL		401
		TOTAL		803

ASPHALTIC PAVEMENT ITEMS

CATEGORY	STAGE	ROADWAY	STATION		STATION	455.0605 TACK COAT GAL	460.6223 HMA PAVEMENT 3 MT 58-28 S TON	460.6224 HMA PAVEMENT 4 MT 58-28 S TON	460.6424 HMA PAVEMENT 4 MT 58-28 H TON	460.7223 HMA PAVEMENT 3 HT 58-28 S TON	460.7424 HMA PAVEMENT 4 HT 58-28 H TON	460.2000 INCENTIVE DENSITY HMA PAVEMENT DOL	465.0120 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES TON	465.0315 ASPHALTIC FLUMES SY	614.0396 GUARDRAIL MOW STRIP ASPHALT SY
1000	1	IH 94 NB WIDENING													
			1131+35	-	1133+50	104	--	--	--	226	82	--	--	--	--
			1136+11	-	1195+67	4,495	--	--	--	6,460	2,737	--	--	--	--
			1196+98	-	1221+17	2,442	--	--	--	1,659	1,034	--	--	--	--
		S. 27TH STREET/ STH 241													
			804T+00	-	809T+79	17	54	27	--	--	--	60	--	--	--
			810T+18	-	815T+91	59	186	93	--	--	--	180	--	--	--
			804T+00	-	812T+17	254	449	349	--	--	--	520	--	--	--
			804T+00	-	808T+81	34	107	54	--	--	--	110	--	10	--
			808T+95	-	809T+45	3	10	5	--	--	--	10	--	6	--
			810T+55	-	811T+50	3	17	5	--	--	--	20	--	--	--
			811T+18	-	812T+17	3	21	5	--	--	--	20	--	--	--
		ELM ROAD													
			8E+47	-	9E+50	32	88	50	--	--	--	90	11	--	--
		IH 94 NB OVERLAY													
			131+34.26	-	220+00	3,140	--	--	4,407	--	--	--	--	--	--
		STAGE 1 SUBTOTAL				10,586	932	588	4,407	8,345	3,853	1,010	11	16	--
1000	2	IH 94 NB													
			158+73	-	159+75	--	--	--	--	--	--	--	--	--	55
		IH 94 SB													
			172+00	-	173+04	--	--	--	--	--	--	--	--	--	55
			200+25	-	201+27	--	--	--	--	--	--	--	--	--	55
		IH 94 SB WIDENING													
			149+38	-	179+22	272	--	--	--	586	213	--	--	--	--
			191+44	-	194+00	20	--	--	--	44	16	--	--	--	--
			199+68	-	220+00	206	--	--	--	447	163	--	--	--	--
		RAMP EC													
			150EC+58	-	151EC+61	--	--	--	--	--	--	--	--	--	65
		STAGE 2 SUBTOTAL				498	--	--	--	1,077	392	--	--	--	230
1000	4	IH 94 NB													
			193+03	-	194+03	--	--	--	--	--	--	--	--	--	121
		OAKWOOD ROAD													
			17KW+00	-	22KW+00	93	256	147	--	--	--	260	6	--	--
		STAGE 4 SUBTOTAL				93	256	147	--	--	--	260	6	--	121
		TOTALS				11,177	1,188	735	4,407	9,422	4,245	1,270	17	16	351

CONCRETE ITEMS

CATEGORY	STAGE	ROADWAY	STATION		STATION	415.0090 CONCRETE PAVEMENT 9-INCH SY	415.0410 CONCRETE PAVEMENT APPROACH SLAB SY	416.0610 DRILLED TIE BARS EACH	416.0620 DRILLED DOWEL BARS EACH	416.1010 CONCRETE SURFACE DRAINS CY	602.0410 CONCRETE SIDEWALK 5-INCH SF	602.0505 CURB RAMP DETECTABLE WARNING FIELD YELLOW SF	620.0300 CONCRETE MEDIAN SLOPED NOSE TYPE 1 SF	620.0300 CONCRETE MEDIAN SLOPED NOSE TYPE 2 SF	715.0710 OPTIMIZED AGGREGATE GRADATION INCENTIVE DOL	SPV.0180.0001 CONCRETE PAVEMENT 12-INCH SPECIAL SY	SPV.0180.0008 CONCRETE PAVEMENT 12 1/2-INCH SPECIAL SY
1000	1	S. 27TH STREET/ STH 241															
			805T+74	-	815T+91	--	--	12	--	--	360	48	127	--	--	--	--
		STAGE 1 SUBTOTAL				--	--	12	--	--	360	48	127	--	--	--	--
1000	2	IH 94 NB															
			136+00	-	194+04	--	--	--	--	3	--	--	--	--	37,539	--	37,075
		IH 94 SB															
			131+34	-	134+00	--	255	--	--	--	--	--	--	--	722	713	--
			134+00	-	195+00	--	461	--	--	4	--	--	--	--	49,782	--	49,167
			195+00	-	220+00	--	160	--	--	3	--	--	--	--	17,222	--	17,009
		RAMP EA										--					
			167EA+22	-	175EA+27	2,920	--	--	--	--	--	--	--	--	--	--	--
			175EA+27	-	179EA+84	--	--	--	--	--	--	--	--	--	1,669	--	1,649
		RAMP EB															
			149EB+12	-	152EB+27	--	--	--	--	--	--	--	--	--	1,128	--	1,114
		RAMP EC															
			145EC+64	-	150EC+58	--	--	--	--	--	--	--	--	--	2,019	--	1,994
			150EC+58	-	161EC+38	4,449	--	--	--	5	835	52	58	19	--	--	--
		RAMP ED															
			161ED+82	-	179ED+36	5,239	--	--	--	9	1,440	52	56	20	--	--	--
			179ED+36	-	182ED+34	--	--	--	--	--	--	--	--	--	1,084	--	1,070
		ELM ROAD															
			10E+49	-	30E+95	14,752	356	--	--	--	3,692	112	287	80	--	--	--
			32E+51	-	33E+88	259	356	--	--	--	154	--	--	--	--	--	--
		STAGE 2 SUBTOTAL				27,619	1,588	--	--	24	6,121	216	401	119	111,165	713	109,078

(CONTINUED ON NEXT SHEET)

CONCRETE ITEMS (CONTINUED)

CATEGORY	STAGE	ROADWAY	STATION		STATION	415.0090 CONCRETE PAVEMENT 9-INCH SY	415.0410 CONCRETE PAVEMENT APPROACH SLAB SY	416.0610 DRILLED TIE BARS EACH	416.0620 DRILLED DOWEL BARS EACH	416.1010 CONCRETE SURFACE DRAINS CY	602.0410 CONCRETE SIDEWALK 5-INCH SF	602.0505 CURB RAMP DETECTABLE WARNING FIELD YELLOW SF	620.0300 CONCRETE MEDIAN SLOPED NOSE TYPE 1 SF	620.0300 CONCRETE MEDIAN SLOPED NOSE TYPE 2 SF	715.0710 OPTIMIZED AGGREGATE GRADATION INCENTIVE DOL	SPV.0180.0001 CONCRETE PAVEMENT 12-INCH SPECIAL SY	SPV.0180.0008 CONCRETE PAVEMENT 12 1/2-INCH SPECIAL SY
1000	3	IH 94 NB															
			202+95	-	220+00	--	--	--	--	--	--	--	--	--	1,242	--	1,227
		IH 94 SB															
			131+34	-	132+85	--	--	--	--	--	--	--	--	--	140	138	--
			202+95	-	220+00	--	--	--	--	--	--	--	--	--	2,749	--	2,715
		STAGE 3 SUBTOTAL				--	--	--	--	--	--	--	--	--	4,131	138	3,942
1000	4	IH 94 NB															
			131+34	-	134+00	--	257	--	--	--	--	--	--	--	1,170	1,156	--
			136+00	-	146+19	--	282	--	57	2	--	--	--	--	8,675	--	8,568
			190+74	-	195+00	--	175	--	57	--	--	--	--	--	2,782	--	2,747
			195+00	-	220+00	--	159	--	--	1	--	--	--	--	18,943	--	18,709
		RAMP EA															
			166EA+10	-	167EA+22	433	--	--	31	--	--	--	--	--	--	--	--
		RAMP EB															
			152EB+27	-	166EB+00	4,039	--	--	21	7	--	--	--	--	--	--	--
		ELM ROAD															
			33E+88	-	35E+06	1,106	--	--	50	--	369	--	64	--	--	--	--
		STAGE 4 SUBTOTAL				5,578	873	--	216	10	369	--	64	--	31,570	1,156	30,025
		TOTALS				33,196	2,461	12	216	34	6,850	264	711		146,866	2,007	143,045

PAVEMENT REPAIR

CATEGORY	LOCATION	305.0125* BASE AGGREGATE DENSE 1 1/4-INCH CY	390.0203 BASE PATCHING ASPHALTIC SY	416.1710 CONCRETE PAVEMENT REPAIR SY	416.1715 CONCRETE PAVEMENT REPAIR SHES SY	416.1720 CONCRETE PAVEMENT REPLACEMENT SY	450.1100.S ASPHALTIC MIXTURE FOR EXTREME CONDITIONS TON	495.1000.S COLD PATCH TON	690.0250* SAWING CONCRETE LF	SPV.0060.0034 MOBILIZATIONS EMERGENCY PAVEMENT REPAIR EACH	SPV.0195.0002 HMA TRANSVERSE JOINT REPAIR TON	SPV.0195.0003 HMA LONGITUDINAL JOINT REPAIR TON
1000	PROJECT	50	500	1,180	600	400	50	50	150	3	12	180
	TOTAL	50	500	1,180	600	400	50	50	150	3	12	180

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

CONCRETE CURB & GUTTER ITEMS

CATEGORY	STAGE	ROADWAY	STATION		STATION	601.0331 CONCRETE CURB & GUTTER 31-INCH LF
1000	1	S. 27TH STREET/ STH 241				
			804T+00	-	815T+91	1,199
		ELM ROAD				
			9E+00	-	9E+50	115
		STAGE 1 SUBTOTAL				1,314
1000	2	RAMP EC				
			160EC+11	-	160EC+38	240
		RAMP ED				
			161ED+82	-	163ED+87	639
			10E+50	-	30E+95	7,799
			32E+51	-	33E+88	197
		STAGE 2 SUBTOTAL				8,875
1000	4	RAMP EA				
			166EA+10	-	166EA+27	17
		RAMP EB				
			164EB+96	-	166EB+00	97
		ELM ROAD				
			33E+88	-	35E+06	313
		STAGE 4 SUBTOTAL				427
		TOTALS				10,616

HMA COLD WEATHER PAVING

CATEGORY	STAGE	450.4000 HMA COLD WEATHER PAVING TON
1000	ALL STAGES	5,000
	TOTAL	5,000

BACKFILL ITEMS

CATEGORY	LOCATION	209.0200.S BACKFILL CONTROLLED LOW STRENGTH CY	209.2500 BACKFILL GRANULAR GRADE 2 ** TON	SPV.0035.0005 BACKFILL SLURRY CY
1000	STORM SEWER REMOVALS	--	1250	--
	UNDISTRIBUTED	200	300	200
	TOTAL	200	1550	200

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

** TO BE USED AT RETAINING WALL INLETS, HOLES FROM REMOVALS OR ABANDONMENT OR STRUCTURES AND ANY OTHER LOCATION AT THE DIRECTION OF THE ENGINEER.

INCENTIVE IRI RIDE

CATEGORY	PROJECT	440.4410 INCENTIVE IRI RIDE DOL
1000	1030-20-87	32,950
	TOTAL	32,950

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STORM SEWER GENERAL NOTES

1) JOINT TIES FOR CONCRETE PIPE SHALL BE PROVIDED AT ALL CONCRETE APRON ENDWALLS. APRON ENDWALLS SHALL BE TIED FOR THE LAST THREE JOINTS AT PIPE ENDS. THE COST OF THESE TIES SHALL BE INCIDENTAL TO THE COST OF THE PIPE.
2) STATIONS AND OFFSETS ARE TO THE CENTER OF STRUCTURES OR TO THE APRON END OF ENDWALLS UNLESS OTHERWISE NOTED
3) CASTINGS ARE CENTERED ON STRUCTURE UNLESS OTHERWISE NOTED
4) PIPE LENGTHS ARE MEASURED FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE OR END OF PIPE (NOT TO THE APRON END OF ENDWALLS)
5) RIM ELEVATIONS ARE GIVEN AT THE FLOW LINE FOR INLET GRATES ADJACENT TO CONCRETE BARRIER, AT THE FLANGE LINE FOR INLETS IN CURB AND GUTTER, OR CENTER OF THE COVER FOR MANHOLES AND FIELD INLETS, UNLESS OTHERWISE NOTED
6) STRUCTURE DEPTH = RIM ELEVATION - LOWEST INVERT - CASTING HEIGHT - ADJUSTMENT RING
   CASTING HEIGHT = 0.83 FT FOR TYPE V COVERS; 0.85 FT FOR TYPE WM COVERS; 0.74 FT FOR TYPE J COVERS; 0 FT FOR TYPE MS COVERS;
   ADJUSTMENT (RINGS) = 0.33 FT FOR J, WM, AND V COVERS; 0 FT FOR TYPE MS COVERS
7) FLAT SLAB TOP WITH CENTERED 21" X 24" RECTANGULAR OPENING REQUIRED ON ALL MANHOLES WITH TYPE V INLET COVERS
   CENTER OPENING ON ALL MANHOLES UNLESS OTHERWISE NOTED
8) ALL INLETS IN DRIVING LANES DURING CONSTRUCTION SHALL HAVE FASTENED COVERS
9) PIPE RUNS INSTALLED IN MULTIPLE STAGES SHALL BE INSTALLED IN SUCH A MANNER AS NOT TO REQUIRE PIPE COLLARS
   WHOLE SECTIONS OF PIPE SHALL END AND BEGIN EACH STAGE
10) LOCATIONS AND DEPTHS OF EXISTING STRUCTURES AND PIPES SHALL BE VERIFIED IN THE FIELD
11) PIPE LENGTH SHOWN FOR SLOPE CALCULATION ONLY, PLAN LENGTH SHOWN FOR PAY QUANTITY

* ADDITIONAL QUANTITIES LISTED ELSEWHERE
ALL ITEMS ARE CATEGORY 1000 UNLESS NOTED OTHERWISE

(CONTINUED ON NEXT SHEET)

STORM SEWER ITEMS

STRUCTURE NUMBER	STAGE	STATION	OFFSET FEET	STRUCTURE TYPE MANHOLE	STRUCTURE TYPE INLET	COVER TYPE	RIM ELEV	STR DEPTH FT	FROM STR	TO STR	SIZE	PIPE LENGTH FEET	PLAN LENGTH FEET	SLOPE	INVERT ELEVATION INLET	INVERT ELEVATION DISCHARGE	633.5200 MARKERS CULVERT END EACH	522.1018 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 18-INCH EACH	522.1024 24-INCH EACH	522.1030 30-INCH EACH	522.1036 36-INCH EACH	522.1042 42-INCH EACH	NOTES
IH 94																							
1101		132+00	115.00' LT	--	--	--	--	0.00	OUTFALL	--	--	--	--	--	686.90	--	1	--	1	--	--	--	
1103		132+00	4.25' LT	5-FT	--	V	693.56	5.01	1103	1101	24-INCH	103	105	0.48%	687.39	686.90	--	--	--	--	--	--	FASTEN COVER
1104		132+30	4.25' LT	--	4-FT	V	693.15	4.25	1104	1103	24-INCH	26	30	0.47%	687.74	687.62	--	--	--	--	--	--	FASTEN COVER
1106		132+40	74.25' RT	5-FT	--	V	691.33	4.86	1106	1107	24-INCH	14	16	1.93%	685.31	685.05	--	--	--	--	--	--	
1107		132+40	96.00' RT	--	--	--	--	0.00	OUTFALL	--	--	--	--	--	685.05	--	1	--	1	--	--	--	
1108		132+60	74.25' RT	--	3-FT	V	691.05	3.48	1108	1106	15-INCH	16	20	0.63%	686.41	686.31	--	--	--	--	--	--	
1109		136+50	4.25' LT	--	3-FT	V	687.28	6.22	1109	1112	24-INCH	97	98	1.09%	679.90	678.85	--	--	--	--	--	--	FASTEN COVER
1110		136+50	4.25' RT	--	4-FT	V	687.96	6.75	1110	1109	24-INCH	5	9	1.00%	680.05	680.00	--	--	--	--	--	--	
1111		136+50	74.25' RT	--	4-FT	V	685.61	3.85	1111	1110	24-INCH	67	71	0.68%	680.60	680.15	--	--	--	--	--	--	
1112		136+50	108.00' LT	--	--	--	--	0.00	OUTFALL	--	--	--	--	--	678.75	--	1	--	1	--	--	--	
1113		138+85	4.25' LT	--	3-FT	V	684.01	4.95	1113	1113A	24-INCH	71	74	0.99%	677.90	677.20	--	--	--	--	--	--	FASTEN COVER
1113A		138+85	78.75' LT	--	4-FT	V	686.81	8.55	1113A	1115	24-INCH	23	25	1.30%	677.10	676.80	--	--	--	--	--	--	FASTEN COVER
1114A		138+85	74.25' RT	--	4-FT	V	682.34	2.18	1114A	1114	24-INCH	66	70	1.21%	679.00	678.20	--	--	--	--	--	--	
1114		138+85	4.25' RT	--	4-FT	V	684.69	5.43	1114	1113	24-INCH	5	9	2.00%	678.10	678.00	--	--	--	--	--	--	
1115		138+85	110.00' LT	--	--	--	--	0.00	OUTFALL	--	--	--	--	--	676.80	--	1	--	1	--	--	--	
1116		141+75	4.25' LT	--	3-FT	V	681.07	8.01	1116	1116A	24-INCH	75	78	1.07%	671.90	671.10	--	--	--	--	--	--	FASTEN COVER
1116A		141+75	82.25' LT	--	3-FT	V	683.71	11.55	1116A	1118	24-INCH	39	40	1.17%	671.00	670.55	--	--	--	--	--	--	FASTEN COVER
1117		141+75	4.25' RT	--	4-FT	V	681.75	8.49	1117	1116	24-INCH	5	9	2.00%	672.10	672.00	--	--	--	--	--	--	
1117A		141+75	82.25' RT	--	4-FT	V	679.13	4.97	1117A	1117	24-INCH	72	76	1.11%	673.00	672.20	--	--	--	--	--	--	
1118		141+75	125.00' RT	--	--	--	--	0.00	OUTFALL	--	--	--	--		670.55	--	1	--	1	--	--	--	
1119		145+00	4.25' LT	--	4-FT	V	681.15	3.89	1119	11120	24-INCH	106	108	1.04%	676.10	675.00	--	--	--	--	--	--	FASTEN COVER
1120		145+00	118.00' RT	--	--	--	--	0.00	OUTFALL	--	--	--	--	--	675.00	--	--	--	--	--	--	--	
1121		143+10	4.25' LT	--	4-FT	V	680.67	4.51	1121	1122	24-INCH	4	9	1.25%	675.00	674.95	--	--	--	--	--	--	FASTEN COVER
1122		143+10	4.25' RT	5-FT	--	V	681.35	5.34	1122	1124	24-INCH	15	20	0.67%	674.85	674.75	--	--	--	--	--	--	
1123		143+29	4.25' LT	--	4-FT	V	680.66	5.05	1123	1123A	24-INCH	75	79	1.13%	674.45	673.60	--	--	--	--	--	--	FASTEN COVER
1123A		143+29	83.60' RT	--	4-FT	V	683.35	8.69	1123A	1125	24-INCH	23	25	1.74%	673.50	673.10							FASTEN COVER
1124		143+29	4.25' RT	5-FT	--	V	681.34	5.53	1124	1123	24-INCH	4	9	2.50%	674.65	674.55	--	--	--	--	--	--	
1125		143+29	114.00' RT	--	--	--	--	0.00	OUTFALL	--	--	--	--	--	673.10	--	1	--	1	--	--	--	
1126		143+50	4.25' LT	--	4-FT	V	680.67	4.51	1126	1127	24-INCH	4	9	1.25%	675.00	674.95	--	--	--	--	--	--	FASTEN COVER
1127		143+50	4.25' RT	5-FT	--	V	681.35	5.34	1127	1124	24-INCH	15	20	0.67%	674.85	674.75	--	--	--	--	--	--	
1128		146+50	119.00' LT	--	--	--	--	0.00	OUTFALL	--	--	--	--	--	674.57	--	1	--	1	--	--	--	
1129		146+50	4.25' LT	--	4-FT	V	681.91	4.88	1129	1128	24-INCH	113	115	1.15%	675.87	674.57	--	--	--	--	--	--	FASTEN COVER
1130		148+00	4.25' LT	--	3-FT	V	682.66	5.00	1130	1131	15-INCH	5	9	2.00%	676.50	676.40	--	--	--	--	--	--	FASTEN COVER
1131		148+00	4.25' RT	--	4-FT	V	683.34	6.03	1131	1132	24-INCH	101	106	1.14%	676.15	675.00	--	--	--	--	--	--	
1132		148+00	115.00' RT	--	--	--	--	0.00	OUTFALL	--	--	--	--	--	675.00	--	1	--	1	--	--	--	
1136		151+00	4.25' LT	--	--	--	684.16	6.16	1136	1137	15-INCH	7	9	1.54%	678.00	677.90	--	--	--	--	--	--	FASTEN COVER
1137		151+00	4.25' RT	--	4-FT	V	684.84	6.03	1137	1138	24-INCH	117	119	0.98%	677.65	676.50	--	--	--	--	--	--	
1138		151+00	121.00' RT	--	--	--	--	0.00	OUTFALL	--	--	--	--	--	676.50	--	1	--	1	--	--	--	
1147		154+00	4.25' LT	--	3-FT	V	685.67	5.61	1147	1148	15-INCH	5	9	0.89%	678.90	678.86	--	--	--	--	--	--	FASTEN COVER
1148		154+00	4.25' RT	5-FT	--	V	685.67	5.68	1148	1149	24-INCH	154	156	1.19%	678.83	677.00	--	--	--	--	--	--	
1149		154+00	166.50' RT	--	--	--	--	0.00	OUTFALL	--	--	--	--	--	677.00	--	1	--	1	--	--	--	
1150		157+00	74.25' LT	--	4-FT	V	687.17	4.58	1150	1151	24-INCH	66	70	0.53%	681.43	681.08	--	--	--	--	--	--	FASTEN COVER
1151		157+00	4.25' LT	--	4-FT	V	687.17	4.96	1151	1152	24-INCH	4	9	1.25%	681.05	681.00	--	--	--	--	--	--	FASTEN COVER
1152		157+00	4.25' RT	5-FT	--	V	687.17	5.68	1152	1148	24-INCH	295	300	0.51%	680.33	678.83	--	--	--	--	--	--	
1154		160+00	74.25' LT	--	4-FT	V	688.68	4.76	1154	1155	24-INCH	66	70	0.32%	682.76	682.55	--	--	--	--	--	--	FASTEN COVER
1155		160+00	4.25' LT	--	4-FT	V	688.68	5.18	1155	1156	24-INCH	5	9	0.89%	682.34	682.30	--	--	--	--	--	--	FASTEN COVER
1156		160+00	4.25' RT	--	4-FT	V	688.68	5.43	1156	1157	24-INCH	66	70	0.32%	682.09	681.88	--	--	--	--	--	--	
1157		160+00	74.25' RT	--	4-FT	V	688.68	5.85	1157	1158	24-INCH	37	39	0.49%	681.67	681.49	--	--	--	--	--	--	

(CONTINUED ON NEXT SHEET)

STORM SEWER ITEMS (CONTINUED)

STRUCTURE NUMBER	STAGE	STATION	OFFSET FEET	STRUCTURE TYPE MANHOLE	STRUCTURE TYPE INLET	COVER TYPE	RIM ELEV	STR DEPTH FT	FROM STR	TO STR	SIZE	PIPE LENGTH FEET	PLAN LENGTH FEET	SLOPE	INVERT ELEVATION INLET	INVERT ELEVATION DISCHARGE	633.5200 MARKERS CULVERT END EACH	522.1018 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 18-INCH EACH	522.1024 24-INCH EACH	522.1030 30-INCH EACH	522.1036 36-INCH EACH	522.1042 42-INCH EACH	NOTES
1158		160+00	120.00' RT	--	--	--	--	0.00	OUTFALL	--	--	--	--	--	681.49	--	1	--	1	--	--	--	
1159		163+00	74.25' LT	--	4-FT	V	690.18	4.78	1159	1160	24-INCH	66	70	0.32%	684.24	684.03	--	--	--	--	--	--	FASTEN COVER
1160		163+00	4.25' LT	--	4-FT	V	690.18	5.24	1160	1161	24-INCH	5	9	0.67%	683.78	683.75	--	--	--	--	--	--	FASTEN COVER
1161		163+00	4.25' RT	--	4-FT	V	690.18	5.42	1161	1162	24-INCH	66	70	0.32%	683.60	683.39	--	--	--	--	--	--	
1162		163+00	74.25' RT	--	4-FT	V	690.18	5.88	1162	1163	24-INCH	37	39	0.41%	683.14	682.99	--	--	--	--	--	--	
1163		163+00	120.00' RT	--	--	--	--	0.00	OUTFALL	--	--	--	--	--	682.99	--	1	--	1	--	--	--	
1166		166+00	103.00' LT	--	--	--	--	0.00	OUTFALL	--	--	--	--	--	685.00	--	1	--	1	--	--	--	
1167		166+00	74.25' LT	--	4-FT	V	691.69	5.44	1167	1166	24-INCH	21	23	0.43%	685.09	685.00	--	--	--	--	--	--	FASTEN COVER
1168		166+00	4.25' LT	--	4-FT	V	691.69	5.05	1168	1167	24-INCH	66	70	0.32%	685.48	685.27	--	--	--	--	--	--	FASTEN COVER
1169		166+00	4.25' RT	--	4-FT	V	691.69	4.84	1169	1168	24-INCH	5	9	0.67%	685.69	685.66	--	--	--	--	--	--	
1170		166+00	74.25' RT	--	4-FT	V	691.69	4.53	1170	1169	24-INCH	66	70	0.30%	686.00	685.80	--	--	--	--	--	--	
1171		166+50	95.00' RT	--	--	--	--	0.00	1171	1170	18-INCH	52	55	0.39%	686.30	686.10	--	1	--	--	--	--	
1172		169+00	103.00' LT	--	--	--	--	0.00	OUTFALL	--	--	--	--	--	686.00	--	1	--	1	--	--	--	
1173		169+00	74.25' LT	--	4-FT	V	694.35	7.08	1173	1172	24-INCH	20	22	0.55%	686.11	686.00	--	--	--	--	--	--	FASTEN COVER
1174		169+00	4.25' LT	--	4-FT	V	694.35	6.37	1174	1173	24-INCH	66	70	0.32%	686.82	686.61	--	--	--	--	--	--	FASTEN COVER
1175		169+00	4.25' RT	--	4-FT	V	694.35	5.84	1175	1174	24-INCH	5	9	0.67%	687.35	687.32	--	--	--	--	--	--	
1176		169+00	74.25' RT	--	4-FT	V	694.35	5.13	1176	1175	24-INCH	66	70	0.32%	688.06	687.85	--	--	--	--	--	--	
1179		172+00	110.00' LT	--	--	--	--	0.00	OUTFALL	--	--	--	--	--	692.00	--	1	--	--	1	--	--	
1180		172+00	4.25' LT	6-FT	--	V	699.46	5.86	1180	1179	30-INCH	97	100	0.45%	692.44	692.00	--	--	--	--	--	--	
1181		172+00	4.25' RT	--	4-FT	V	699.14	4.75	1181	1180	24-INCH	4	9	1.14%	693.23	693.19	--	--	--	--	--	--	
1182		172+00	74.25' RT	--	4-FT	V	700.44	5.35	1182	1181	24-INCH	66	70	0.32%	693.93	693.72	--	--	--	--	--	--	
1186		175+00	4.25' LT	5-FT	--	V	704.76	7.21	1186	1180	24-INCH	295	300	1.00%	696.39	693.44	--	--	--	--	--	--	
1187		175+00	4.25' RT	--	4-FT	V	703.90	5.16	1187	1186	24-INCH	4	9	1.00%	697.58	697.54	--	--	--	--	--	--	
1189		175+00	86.00' RT	5-FT	--	V	707.62	7.08	1189	1187	24-INCH	75	79	1.27%	699.38	698.43	--	--	--	--	--	--	
1190		178+00	4.25' LT	5-FT	--	V	709.60	7.37	1190	1186	24-INCH	295	300	1.25%	701.07	697.39	--	--	--	--	--	--	
1191		178+00	4.25' RT	--	3-FT	V	708.74	4.72	1191	1190	15-INCH	5	9	0.89%	702.86	702.82	--	--	--	--	--	--	
1192		181+00	4.25' LT	5-FT	--	V	714.44	7.53	1192	1190	24-INCH	295	300	1.25%	705.75	702.07	--	--	--	--	--	--	
1193		181+00	4.25' RT	--	3-FT	V	713.58	4.74	1193	1192	15-INCH	5	9	0.89%	707.68	707.64	--	--	--	--	--	--	
1194		184+00	4.25' LT	5-FT	--	V	719.28	7.67	1194	1192	24-INCH	295	300	1.25%	710.45	706.75	--	--	--	--	--	--	
1195		184+00	4.25' RT	--	3-FT	V	718.42	4.98	1195	1194	15-INCH	5	9	0.89%	712.28	712.24	--	--	--	--	--	--	
1196		187+00	4.25' LT	5-FT	--	V	724.11	7.80	1196	1194	24-INCH	295	300	1.25%	715.15	711.45	--	--	--	--	--	--	
1197		187+00	4.25' RT	--	3-FT	V	723.23	3.82	1197	1196	15-INCH	5	9	0.89%	718.25	718.21	--	--	--	--	--	--	
1198A		190+00	82.25' LT	--	4-FT	V	724.96	2.82	1198A	1198	15-INCH	74	78	0.51%	720.98	720.60	--	--	--	--	--	--	FASTEN COVER
1198		190+00	4.25' LT	5-FT	--	V	728.51	7.50	1198	1196	24-INCH	295	300	1.25%	719.85	716.15	--	--	--	--	--	--	
1199		190+00	4.25' RT	--	3-FT	V	727.65	3.87	1199	1198	15-INCH	5	9	0.89%	722.62	722.58	--	--	--	--	--	--	
1200A		193+00	74.25' LT	--	4-FT	V	727.49	2.60	1200A	1200	15-INCH	66	70	0.50%	723.73	723.40	--	--	--	--	--	--	FASTEN COVER
1201A		193+75	4.25' LT	5-FT	--	V	729.90	4.49	1201A	1200	24-INCH	71	75	1.00%	724.25	723.54	--	--	--	--	--	--	
1200		193+00	4.25' LT	5-FT	--	V	730.13	5.67	1200	1201B	24-INCH	80	85	1.00%	723.30	722.50	--	--	--	--	--	--	FASTEN COVER
1201B		192+15	4.25' LT	5-FT	--	V	730.02	6.41	1201B	1198	24-INCH	210	215	1.00%	722.45	720.35	--	--	--	--	--	--	
1201		193+00	4.25' RT	--	3-FT	V	729.67	3.88	1201	1200	15-INCH	5	9	0.89%	724.63	724.59	--	--	--	--	--	--	
1202		197+00	74.25' LT	--	4-FT	V	726.06	4.55	1202	1203	24-INCH	66	70	0.50%	720.35	720.02	--	--	--	--	--	--	
1203		197+00	4.25' LT	5-FT	--	V	728.69	8.03	1203	1208	24-INCH	295	300	0.50%	719.50	718.02	--	--	--	--	--	--	
1204		197+00	4.25' RT	--	4-FT	V	728.32	3.88	1204	1203	24-INCH	4	9	1.00%	723.28	723.24	--	--	--	--	--	--	
1205		197+00	74.25' RT	--	4-FT	V	730.95	5.85	1205	1204	24-INCH	66	70	1.00%	723.94	723.28	--	--	--	--	--	--	
1206		200+00	100.00' LT	--	--	--	--	0.00	OUTFALL	--	--	--	--	--	716.50	--	1	--	1	--	--	--	
1207		200+00	74.25' LT	--	4-FT	V	723.34	5.55	1207	1206	24-INCH	18	20	0.72%	716.63	716.50	--	--	--	--	--	--	
1208		200+00	4.25' LT	5-FT	--	V	724.74	6.12	1208	1207	24-INCH	66	70	0.50%	717.46	717.13	--	--	--	--	--	--	
1209		200+00	4.25' RT	--	4-FT	V	724.35	4.57	1209	1208	24-INCH	4	9	1.00%	718.62	718.58	--	--	--	--	--	--	

(CONTINUED ON NEXT SHEET)

STORM SEWER ITEMS (CONTINUED)

STRUCTURE NUMBER	STAGE	STATION	OFFSET FEET	STRUCTURE TYPE MANHOLE	STRUCTURE TYPE INLET	COVER TYPE	RIM ELEV	STR DEPTH FT	FROM STR	TO STR	SIZE	PIPE LENGTH FEET	PLAN LENGTH FEET	SLOPE	INVERT ELEVATION INLET	INVERT ELEVATION DISCHARGE	633.5200 MARKERS CULVERT END EACH	522.1018 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 18-INCH EACH	522.1024 24-INCH EACH	522.1030 30-INCH EACH	522.1036 36-INCH EACH	522.1042 42-INCH EACH	NOTES
1210		200+00	74.25' RT	--	4-FT	V	725.76	5.22	1210	1209	24-INCH	66	70	1.00%	719.38	718.72	--	--	--	--	--	--	
1211		203+00	4.25' LT	--	3-FT	V	718.43	3.96	1211	1212	15-INCH	5	9	1.11%	713.31	713.26	--	--	--	--	--	--	FASTEN COVER
1212		203+00	4.25' RT	5-FT	--	V	718.43	5.67	1212	1215	24-INCH	225	230	1.00%	711.60	709.36	--	--	--	--	--	--	
1213		203+00	74.25' RT	--	4-FT	V	718.43	5.32	1213	1212	24-INCH	66	70	0.53%	711.95	711.60	--	--	--	--	--	--	
1214		205+30	4.25' LT	--	3-FT	V	714.19	3.96	1214	1215	15-INCH	5	9	1.11%	709.07	709.02	--	--	--	--	--	--	
1215A		205+30	74.25' RT	--	4-FT	V	714.19	4.32	1215A	1215	24-INCH	66	70	0.53%	708.71	708.36	--	--	--	--	--	--	
1215		205+30	4.25' RT	5-FT	--	V	714.19	4.67	1215	1217	24-INCH	220	225	0.51%	708.36	707.23	--	--	--	--	--	--	FASTEN COVER
1216		207+55	4.25' LT	--	3-FT	V	712.02	3.95	1216	1217	15-INCH	5	9	1.11%	706.91	706.86	--	--	--	--	--	--	FASTEN COVER
1217A		207+55	74.25' RT	--	4-FT	V	712.02	4.28	1217A	1217	24-INCH	66	70	0.53%	706.58	706.23	--	--	--	--	--	--	
1217		207+55	4.25' RT	5-FT	--	V	712.02	4.13	1217	1219	24-INCH	240	245	0.51%	706.73	705.50	--	--	--	--	--	--	
1218		210+00	4.25' LT	--	3-FT	V	710.79	3.94	1218	1219	15-INCH	5	9	1.11%	705.69	705.64	--	--	--	--	--	--	FASTEN COVER
1219		210+00	4.25' RT	5-FT	--	V	710.79	4.63	1219	1221	24-INCH	245	250	0.51%	705.00	703.75	--	--	--	--	--	--	
1220		212+50	4.25' LT	--	3-FT	V	709.53	3.93	1220	1221	15-INCH	5	9	1.11%	704.44	704.39	--	--	--	--	--	--	FASTEN COVER
1221		212+50	4.25' RT	5-FT	--	V	709.53	4.87	1221	1223	24-INCH	245	250	0.51%	703.50	702.25	--	--	--	--	--	--	
1222		215+00	4.25' LT	--	3-FT	V	708.27	3.92	1222	1223	15-INCH	5	9	1.11%	703.19	703.14	--	--	--	--	--	--	FASTEN COVER
1223		215+00	4.25' RT	5-FT	--	V	708.27	5.11	1223	1225	24-INCH	245	250	0.51%	702.00	700.75	--	--	--	--	--	--	
1224		217+50	4.25' LT	--	3-FT	V	707.01	3.91	1224	1225	15-INCH	5	9	1.11%	701.94	701.89	--	--	--	--	--	--	FASTEN COVER
1225		217+50	4.25' RT	5-FT	--	V	707.01	5.35	1225	1227	24-INCH	245	250	0.51%	700.50	699.25	--	--	--	--	--	--	
1226		220+00	4.25' LT	--	3-FT	V	705.75	3.90	1226	1227	15-INCH	5	9	1.11%	700.69	700.64	--	--	--	--	--	--	FASTEN COVER
1227		220+00	4.25' RT	5-FT	--	V	705.75	5.84	1227	--	--	--	--	--	698.75	--	--	--	--	--	--	--	
RAMP EA																							
1184		174EA+25	18.00' LT	--	2.5X3-FT	V	707.10	6.02	1184	1189	15-INCH	44	47	0.66%	699.92	699.63	--	--	--	--	--	--	
RAMP EB																727.00							
1139		151EB+38	57.50' RT	--	--	--	--	0.00	OUTFALL	--	--	--	--	--	674.75	--	1	--	--	1	--	--	
1140		151EB+78	59.00' RT	5-FT	--	J	683.57	7.50	1140	1139	30-INCH	38	40	0.67%	675.00	674.75	--	--	--	--	--	--	
1141		152EB+05	64.25' RT	--	--	--	--	0.00	PIPE END	1140	18-INCH	25	27	0.00%	672.50	672.50	1	--	--	--	--	--	
1144		152EB+50	23.00' LT	--	MEDIAN 2	2-MS	683.50	3.50	1144	1145	18-INCH	41	43	2.44%	680.00	679.00	--	--	--	--	--	--	
1145		152EB+50	26.00' RT	--	--	--	--	0.00	OUTFALL	--	--	--	--	--	679.00	--	1	--	1	--	--	--	
RAMP EC																							
1133		150EC+60	36.00' LT	--	--	--	--	0.00	OUTFALL	--	--	--	--	--	679.00	--	1	--	1	--	--	--	
1134		150EC+60	18.00' RT	--	4-FT	V	687.00	6.69	1134	1133	24-INCH	46	48	1.41%	679.15	678.50	--	--	--	--	--	--	
1135		150EC+60	27.00' RT	--	3-FT	V	686.52	3.36	1135	1134	15-INCH	6	9	1.82%	682.00	681.90	--	--	--	--	--	--	FASTEN COVER
1142		153EC+16	54.00' LT	--	--	--	--	0.00	OUTFALL	--	--	--	--	--	678.00	--	1	--	1	--	--	--	
1143		154EC+00	35.25' RT	--	MEDIAN 2	2-MS	684.50	5.55	1143	1142	24-INCH	81	83	1.18%	678.95	678.00	--	--	--	--	--	--	
1146		153+87	74.25' LT	--	2X3-FT	V	685.60	5.18	1146	1143	24-INCH	14	18	1.50%	679.26	679.05	--	--	--	--	--	--	FASTEN COVER
ELM RD																							
505		10E+51	35.00' LT	--	2.5X3-FT	WM	726.64	4.63	505	509	15-INCH	147	150	1.02%	720.83	719.33	--	--	--	--	--	--	
507		809T+32	50.50' RT	--	4-FT	WM	725.60	4.30	507	514	15-INCH	149	153	1.00%	720.12	718.63	--	--	--	--	--	--	
508		12E+00	46.00' LT	--	2X2.5-FT	WM	722.86	2.26	508	509	15-INCH	16	19	1.21%	719.42	719.23	--	--	--	--	--	--	
509		12E+00	35.00' LT	4-FT	--	J	723.65	3.74	509	511	15-INCH	27	30	2.24%	718.84	718.24	--	--	--	--	--	--	
511		12E+00	4.00' LT	--	2X2.5-FT	WM	723.19	4.17	511	512	15-INCH	6	8	1.45%	717.84	717.76	--	--	--	--	--	--	
512		12E+00	4.00' RT	--	2X2.5-FT	WM	723.51	4.87	512	513	15-INCH	16	19	1.21%	717.46	717.27	--	--	--	--	--	--	
513		12E+00	23.00' RT	4-FT	--	J	723.63	5.79	513	518	18-INCH	231	235	1.02%	716.77	714.42	--	--	--	--	--	--	
514		12E+00	36.00' RT	--	4-FT	WM	723.43	4.12	514	513	15-INCH	13	16	1.25%	718.13	717.97	--	--	--	--	--	--	
515		14E+35	46.00' LT	--	2X2.5-FT	WM	718.61	2.68	515	516	15-INCH	36	38	1.07%	714.75	714.37	--	--	--	--	--	--	
516		14E+35	8.34' LT	--	2X2.5-FT	WM	719.01	3.96	516	517	15-INCH	12	14	1.30%	713.87	713.72	--	--	--	--	--	--	

(CONTINUED ON NEXT SHEET)

STORM SEWER ITEMS (CONTINUED)

STRUCTURE NUMBER	STAGE	STATION	OFFSET FEET	STRUCTURE TYPE MANHOLE	STRUCTURE TYPE INLET	COVER TYPE	RIM ELEV	STR DEPTH FT	FROM STR	TO STR	SIZE	PIPE LENGTH FEET	PLAN LENGTH FEET	SLOPE	INVERT ELEVATION INLET	INVERT ELEVATION DISCHARGE	633.5200 MARKERS CULVERT END EACH	522.1018 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 18-INCH EACH	522.1024 24-INCH EACH	522.1030 30-INCH EACH	522.1036 36-INCH EACH	522.1042 42-INCH EACH	NOTES
517		14E+35	6.17' RT	--	2X2.5-FT	WM	719.16	4.76	517	518	15-INCH	16	19	1.21%	713.22	713.03	--	--	--	--	--	--	
518		14E+35	25.14' RT	4-FT	--	J	719.37	6.27	518	521	18-INCH	160	165	0.52%	712.03	711.20	--	--	--	--	--	--	
519		14E+35	36.15' RT	--	2X2.5-FT	WM	719.17	4.41	519	518	15-INCH	8	11	1.42%	713.58	713.47	--	--	--	--	--	--	
520		15E+50	80.25' LT	--	--	--	--	0.00	PIPE END	521	30-INCH	119	122	1.03%	713.00	711.78	1	--	--	--	--	--	
521		16E+00	30.66' RT	7-FT	--	J	716.37	5.26	521	522	30-INCH	62	65	1.06%	710.04	709.39	--	--	--	--	--	--	
522		16E+35	86.00' RT	--	--	--	--	0.00	OUTFALL	--	--	--	--	--	709.39	--	1	--	--	1	--	--	
523		16E+70	46.00' LT	--	2X2.5-FT	WM	714.34	3.32	523	524	15-INCH	28	30	1.07%	709.84	709.54	--	--	--	--	--	--	
524		16E+70	16.00' LT	--	2X2.5-FT	WM	714.90	4.68	524	525	15-INCH	23	25	1.09%	709.04	708.79	--	--	--	--	--	--	
525		16E+70	8.80' RT	--	2X2.5-FT	WM	714.88	5.41	525	526	15-INCH	21	24	1.14%	708.29	708.05	--	--	--	--	--	--	
526		16E+70	33.00' RT	4-FT	--	J	715.10	7.48	526	531	18-INCH	231	235	1.02%	706.55	704.20	--	--	--	--	--	--	
527		16E+70	44.00' RT	--	2X2.5-FT	WM	714.90	5.06	527	526	15-INCH	8	11	1.38%	708.66	708.55	--	--	--	--	--	--	
528		19E+05	46.00' LT	--	2X2.5-FT	WM	710.63	3.04	528	529	15-INCH	33	35	1.06%	706.41	706.06	--	--	--	--	--	--	
529		19E+05	10.77' LT	--	2X2.5-FT	WM	710.61	3.77	529	530	15-INCH	8	10	1.25%	705.66	705.56	--	--	--	--	--	--	
530		19E+05	1.18' LT	--	2X2.5-FT	WM	710.13	3.89	530	531	15-INCH	33	36	1.09%	705.06	704.70	--	--	--	--	--	--	
531		19E+05	35.00' RT	4-FT	--	J	710.83	7.06	531	536	18-INCH	291	295	1.02%	702.70	699.75	--	--	--	--	--	--	
532		19E+05	46.00' RT	--	2X2.5-FT	WM	710.63	4.64	532	531	15-INCH	8	11	1.37%	704.81	704.70	--	--	--	--	--	--	
533		22E+00	46.00' LT	--	2X2.5-FT	WM	707.20	3.52	533	545	15-INCH	28	30	1.09%	702.50	702.20	--	--	--	--	--	--	
534		22E+00	8.00' LT	--	2X2.5-FT	WM	707.12	3.76	534	546	15-INCH	28	30	1.45%	702.18	701.78	--	--	--	--	--	--	
535		22E+00	16.00' RT	--	2X2.5-FT	WM	707.28	4.42	535	547	15-INCH	28	30	1.09%	701.68	701.38	--	--	--	--	--	--	
536		22E+00	35.00' RT	5-FT	--	J	707.40	7.08	536	548	24-INCH	25	30	1.40%	699.25	698.90	--	--	--	--	--	--	
537		22E+00	46.00' RT	--	2X2.5-FT	WM	707.20	4.02	537	536	15-INCH	8	11	1.47%	702.00	701.89	--	--	--	--	--	--	
538		22E+48	115.00' LT	--	--	--	--	0.00	PIPE END	540	42-INCH	147	150	0.44%	695.00	694.36	1	--	--	--	--	--	
540		22E+75	35.00' RT	7-FT	--	J	707.44	13.44	540	544	42-INCH	82	85	0.69%	692.93	692.37	--	--	--	--	--	--	
544		22E+92	118.50' RT	--	--	--	--	0.00	OUTFALL	--	--	--	--	--	692.37	--	1	--	--	--	--	1	
545		22E+30	46.00' LT	--	2.5X3-FT	WM	707.17	3.99	545	546	15-INCH	29	32	1.10%	702.00	701.68	--	--	--	--	--	--	
546		22E+30	10.20' LT	--	2.5X3-FT	WM	707.14	4.38	546	547	15-INCH	27	30	1.11%	701.58	701.28	--	--	--	--	--	--	
547		22E+30	16.00' RT	--	2.5X3-FT	WM	707.25	5.32	547	548	18-INCH	15	19	1.33%	700.75	700.55	--	--	--	--	--	--	
548		22E+30	35.00' RT	5-FT	--	J	707.37	7.60	548	540	24-INCH	39	45	1.15%	698.70	698.25	--	--	--	--	--	--	
549		22E+30	46.00' RT	--	2.5X3-FT	WM	707.17	4.19	549	548	15-INCH	7	11	1.57%	701.80	701.69	--	--	--	--	--	--	
550		22E+50	46.00' LT	--	2.5X3-FT	WM	707.18	3.60	550	545	15-INCH	17	20	1.18%	702.40	702.20	--	--	--	--	--	--	
551		22E+50	13.00' LT	--	2.5X3-FT	WM	707.18	4.02	551	546	15-INCH	17	20	1.18%	701.98	701.78	--	--	--	--	--	--	
552		22E+50	16.00' RT	--	2.5X3-FT	WM	707.26	4.50	552	547	15-INCH	17	20	1.18%	701.58	701.38	--	--	--	--	--	--	
553		22E+50	46.00' RT	--	2.5X3-FT	WM	707.18	3.90	553	549	15-INCH	17	20	1.18%	702.10	701.90	--	--	--	--	--	--	
554		26E+00	46.00' LT	--	2X2.5-FT	WM	709.33	3.43	554	555	15-INCH	27	30	1.11%	704.72	704.42	--	--	--	--	--	--	
555		26E+00	16.00' LT	--	2X2.5-FT	WM	709.97	4.87	555	556	15-INCH	29	32	1.10%	703.92	703.60	--	--	--	--	--	--	
556		26E+00	16.00' RT	--	2X2.5-FT	WM	709.97	5.69	556	557	15-INCH	35	38	1.10%	703.10	702.72	--	--	--	--	--	--	
557		26E+00	54.15' RT	4-FT	--	WM	709.25	13.07	557	558	18-INCH	90	92	3.78%	695.00	691.60	--	--	--	--	--	--	
558		26E+00	146.50' RT	--	--	--	--	0.00	OUTFALL	--	--	--	--	--	691.60	--	1	1	--	--	--	--	
559		27E+70	44.00' RT	4-FT	--	WM	710.76	6.70	559	557	15-INCH	148	152	1.03%	702.88	701.36	--	--	--	--	--	--	
560		161EC+00	14.00' LT	4-FT	--	WM	710.15	4.89	560	559	15-INCH	66	70	1.06%	704.08	703.38	--	--	--	--	--	--	
561		161EC+03	1.00' LT	4-FT	--	WM	710.40	4.59	561	560	15-INCH	1	5	5.00%	704.63	704.58	--	--	--	--	--	--	
562		162ED+55	9.84' LT	--	2X2.5-FT	WM	710.96	4.56	562	564	15-INCH	7	9	1.14%	705.22	705.14	--	--	--	--	--	--	
563		28E+44	46.00' RT	--	2X2.5-FT	WM	711.83	4.65	563	559	15-INCH	88	91	1.03%	706.00	705.09	--	--	--	--	--	--	
564		162ED+54	1.00' LT	--	2X2.5-FT	WM	711.24	5.42	564	566	15-INCH	14	17	1.50%	704.64	704.43	--	--	--	--	--	--	
565		28E+65	46.00' LT	--	2.5X3-FT	WM	711.70	5.02	565	566	15-INCH	71	74	1.05%	705.50	704.76	--	--	--	--	--	--	

(CONTINUED ON NEXT SHEET)

STORM SEWER ITEMS (CONTINUED)

STRUCTURE NUMBER	STAGE	STATION	OFFSET FEET	STRUCTURE TYPE MANHOLE	STRUCTURE TYPE INLET	COVER TYPE	RIM ELEV	STR DEPTH FT	FROM STR	TO STR	SIZE	PIPE LENGTH FEET	PLAN LENGTH FEET	SLOPE	INVERT ELEVATION INLET	INVERT ELEVATION DISCHARGE	633.5200 MARKERS CULVERT END EACH	522.1018 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 18-INCH EACH	522.1024 24-INCH EACH	522.1030 30-INCH EACH	522.1036 36-INCH EACH	522.1042 42-INCH EACH	NOTES
566		162ED+54	16.00' RT	--	4-FT	WM	710.96	7.00	566	569	18-INCH	124	126	2.10%	702.78	700.17	--	--	--	--	--	--	
567		28E+88	6.00' LT	--	2.5X3-FT	WM	712.33	4.15	567	565	15-INCH	47	50	1.06%	707.00	706.50	--	--	--	--	--	--	
567A		28E+13	0.00' RT	--	2.5X3-FT	WM	711.70	3.07	567A	567	15-INCH	72	75	0.49%	707.45	707.10							
568		28E+88	12.70' RT	--	2X2.5-FT	WM	712.46	3.79	568	567	15-INCH	11	14	1.27%	707.49	707.35	--	--	--	--	--	--	
569		163ED+50	114.00' RT	--	--	--	--	0.00	OUTFALL	--	--	--	--	--	700.17	--	1	1	--	--	--	--	
570		29E+72	46.00' RT	--	2.5X3-FT	WM	712.73	3.82	570	563	15-INCH	127	130	1.02%	707.73	706.43	--	--	--	--	--	--	
571		30E+58	46.00' LT	--	2.5X3-FT	WM	713.50	4.24	571	565	15-INCH	190	193	1.02%	708.08	706.15	--	--	--	--	--	--	
572		33E+35	45.50' RT	--	2X2.5-FT	WM	715.98	4.20	572	572A	15-INCH	39	42	0.99%	710.60	710.21	--	--	--	--	--	--	
572A		33E+35	4.00' RT	--	2.5X3-FT	WM	716.67	5.38	572A	573	15-INCH	37	40	1.00%	710.11	709.74	--	--	--	--	--	--	
573		33E+75	4.00' RT	--	2.5X3-FT	WM	716.87	6.20	573	574	18-INCH	45	48	0.99%	709.49	709.05	--	--	--	--	--	--	
573A		33E+75	46.00' LT	--	2X2.5-FT	WM	716.33	3.65	573A	573B	15-INCH	31	33	0.98%	711.50	711.20	--	--	--	--	--	--	
573B		33E+75	13.50' LT	--	2X2.5-FT	WM	716.94	4.66	573B	573	15-INCH	16	18	0.97%	711.10	710.95	--	--	--	--	--	--	
574		33E+75	52.00' RT	4-FT	--	J	717.13	8.01	574	575	18-INCH	160	162	0.97%	708.05	706.50	--	--	--	--	--	--	
575		165EB+00	70.00' RT	--	--	--	--	0.00	OUTFALL	--	--	--	--	--	706.50	--	1	1	--	--	--	--	
1165		31E+08	141.20' LT	--	--	--	--	0.00	1165	1164	24-INCH	2	4	5.00%	684.00	683.90	1	--	--	--	--	--	
1164		31E+05	138.90' LT	--	MEDIAN 2	2-MS	687.25	4.00	1164	1153	36-INCH	656	658	0.32%	683.25	681.18	--	--	--	--	--	--	
1153		25E+90	272.00' RT	--	--	--	--	0.00	OUTFALL	--	--	--	--	--	681.18	--	1	--	--	--	1	--	
27TH STREET																							
500		810T+41	69.50' LT	--	EXIST	EXIST	724.60	--	500	EXIST	--	--	--	--	--	722.70	--	--	--	--	--	--	
501		810T+21	68.33' LT	--	3-FT	WM	725.56	1.58	501	500	12-INCH	18	20	0.57%	722.80	722.70	--	--	--	--	--	--	
TOTALS																	30 *	4 *	18	3	1 *	1	

STORM SEWER STRUCTURE QUANTITIES

CATEGORY	ROADWAY	STAGE	611.2004 MANHOLES 4-FT DIAMETER EACH	611.2005 MANHOLES 5-FT DIAMETER EACH	611.2006 MANHOLES 6-FT DIAMETER EACH	611.2007 MANHOLES 7-FT DIAMETER EACH	611.3003 INLETS 3-FT DIAMETER EACH	611.3004 INLETS 4-FT DIAMETER EACH	611.3225 INLETS 2X2.5-FT EACH	611.3253 INLETS 2.5X3-FT EACH	611.3902 INLETS MEDIAN 2 GRATE EACH	611.0530 MANHOLE COVERS TYPE J EACH	611.0642 INLET COVERS TYPE MS EACH	611.0654 INLET COVERS TYPE V EACH	611.0660 INLET COVERS TYPE WM EACH
1000	IH 94		--	27	1	--	21	48	--	--	--	--	--	97	--
	RAMP EA		--	--	--	--	--	--	--	1	--	--	--	1	--
	RAMP EB		--	1	--	--	--	--	--	--	1	1	2	--	--
	RAMP EC		--	--	--	--	1	1	--	--	1	--	2	3	--
	ELM ROAD		10	2	--	2	--	3	29	16	1	10	2	--	52
	27TH STREET		--	--	--	--	1	--	--	--	--	--	--	--	1
	TOTALS		10	30	1	2	23	52	29	17	3	11 *	6	101	53

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

FASTENING SEWER ACCESS COVERS

CATEGORY	STAGE	ROADWAY	STATION	TO	STATION	SPV.0060.0020 FASTENING SEWER ACCESS COVERS EACH
1000	1C	IH 94 NB				
			117+50	-	220+00	4
	2	IH 94 SB				
			131+34	-	132+82	2
			135+67	-	194+00	29
			196+25	-	217+25	12
						47

DRAIN TILE

CATEGORY	LOCATION	204.9090.S.0003 REMOVING DRAIN TILE LF	608.0512 STORM SEWER PIPE REINFORCED CONCRETE CLASS V 12-INCH LF	611.0530 MANHOLE COVERS TYPE J EACH	612.0700 DRAIN TILE EXPLORATION LF	SPV.0200.0012 MANHOLES 4-FT DIAMETER SPECIAL VF	SPV.0060.0016 RECONNECT STORM SEWER EACH
1000	UNDISTRIBUTED	300	300	2	500	20	4
	TOTAL	300	300	2 *	500	20	4 *

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

3

STORM SEWER PIPE QUANTITIES

CATEGORY	ROADWAY	STAGE	608.0415 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 15-INCH LF	608.0418 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 18-INCH LF	608.0424 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 24-INCH LF	608.0430 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 30-INCH LF	608.0436 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 36-INCH LF	608.0442 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 42-INCH LF
1000	IH 94		313	55	7,445	100	--	--
	RAMP EA		47	--	--	--	--	--
	RAMP EB		--	70	--	40	--	--
	RAMP EC		9	--	149	--	--	--
	ELM ROAD		2,025	1,377	79	187	658	235
	27TH STREET		20	--	--	--	--	--
	TOTALS		2,413	1,502 *	7,673	327	658	235

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

ADJUSTING INLET COVERS

CATEGORY	STAGE	ROADWAY	STATION	611.8115 ADJUSTING INLET COVERS EACH
1000	1A	IH 94 NB OVERLAY		
			198+55	1
			200+75	1
			203+00	1
			205+30	1
			207+50	1
			212+50	1
			215+00	1
			217+50	1
			220+00	1
	1C			
			217+50	2
			220+00	2
				13

RECONNECT STORM SEWER

CATEGORY	ROADWAY	STATION	* SPV.0060.0016 RECONNECT STORM SEWER EACH
1000	IH 94		
		136+50	1
		139+00	1
		141+75	1
		197+00	1
		200+00	1
		203+00	1
		205+30	1
		207+55	1
	27TH STREET		
		810T+41	1
			9

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

PIPE UNDERDRAIN ITEMS

CATEGORY	STAGE	LOCATION	STATION TO STATION	OFFSET	612.0106 PIPE UNDERDRAIN 6-INCH LF	645.0111 GEOTEXTILE TYPE DF SCHEDULE A SY	COMMENTS
1000	2	IH 94 NB					
			159+75 - 171+50	RT	2,350	1,044	
		IH 94 SB					
			131+34 - 132+82	MED	148	66	
			136+10 - 194+00	MED	5,790	2,573	
			196+25 - 217+25	MED	2,100	933	
			139+00 - 145+64	LT	664	295	
			150+46 - 172+00	LT	2,154	957	
			188+50 - 194+07	LT	557	248	
			196+03 - 200+25	LT	422	188	
		RAMP EA					
			174EA+00 - 175EA+28	LT	128	57	
		RAMP EC					
			145EC+64 - 150EC+50	LT	486	216	
			151EC+00 - 151EC+50	RT	50	22	
		ELM ROAD					
			10E+50 - 30E+00	LT	1,950	867	
			10E+50 - 30E+00	RT	1,950	867	
			10E+50 - 13E+50	MED	300	133	
			13E+50 - 25E+00	MED	1,150	511	
			13E+50 - 25E+00	MED	1,150	511	
			25E+00 - 26E+50	MED	150	67	
		STAGE 2 SUBTOTAL			21,499	9,555	
	3	IH 94 SB					
			217+25 - 220+00	MED	275	122	
		STAGE 3 SUBTOTAL			275	122	
	4	IH 94 NB					
			131+34 - 133+20	RT	186	83	
			136+40 - 142+20	RT	580	258	
			196+20 - 208+50	RT	1,230	547	
		RAMP EA					
			165EB+00 - 165EA+50	LT	50	22	
		ELM ROAD					
			33E+44 - 34E+92	LT	148	66	
			33E+44 - 34E+92	RT	148	66	
		STAGE 4 SUBTOTAL			2,342	1,041	
		TOTALS			24,116	10,718	

CROSS CULVERT ITEMS

CATEGORY	ROADWAY	INLET END STATION	INLET END OFFSET	INLET END ELEV	DISCHARGE END STATION	DISCHARGE END OFFSET	DISCHARGE END ELEV	SLOPE	522.0412 CULVERT PIPE REINFORCED CONCRETE CLASS IV 12-INCH LF	522.0118 CULVERT PIPE REINFORCED CONCRETE CLASS III 18-INCH LF	522.0436 CULVERT PIPE REINFORCED CONCRETE CLASS IV 36-INCH LF	522.0554 CULVERT PIPE REINFORCED CONCRETE CLASS V 54-INCH LF	522.1012 REINFORCED CONCRETE APRON ENDWALLS 12-INCH EACH	522.1018 REINFORCED CONCRETE APRON ENDWALLS 18-INCH EACH	522.1036 REINFORCED CONCRETE APRON ENDWALLS 36-INCH EACH	522.1054 REINFORCED CONCRETE APRON ENDWALLS 54-INCH EACH	522.2429 CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-IV 29X45-INCH LF	522.2629 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL 29X45-INCH EACH	633.5200 MARKERS CULVERT END EACH
1000																			
	RAMP EB																		
		151EB+92	54.1' RT	676.00	151EB+35	52.4' RT	674.75	2.27%	--	--	--	--	--	--		--	55	2	--
		158EB+71	98.3' LT	680.00	156EB+54	58.1' RT	677.00	1.12%	--	--	269	--	--	--	2	--	--	--	2
		158EB+78	89.5' LT	680.00	156EB+62	65.7' RT	677.00	1.12%	--	--	266	--	--	--	2	--	--	--	2
		166EA+50	91.6' RT	695.00	163EB+47	168.0' LT	690.00	1.16%	--	--	430	--	--	--	2	--	--	--	--
	ELM ROAD																		
		27E+36	156.0' LT	683.08	25E+78	251.0' RT	681.26	0.42%	--	--	--	437	--	--	--	2	--	--	2
	OAKWOOD ROAD																		
		17KW+34	23.0' LT	707.95	17KW+55	24.0' LT	707.77	0.82%	--	22	--	--	--	2	--	--	--	--	--
		18KW+70	27.0' LT	704.70	18KW+55	30.0' RT	704.40	0.53%	--	--	--	--	--	--	--	--	57	2	2
	27TH STREET																		
		811T+00	4.0' RT	724.90	809T+00	4.5' LT	724.10	0.40%	200	--	--	--	2	--	--	--	--	--	2
	TOTALS								200	22	965	437	2	2 *	6 *	2	112	4	10 *

NOTES
1) STATION OFFSETS SHOWN ARE TO THE CENTER OF INLET STRUCTURES OR END OF PIPE (NOT THE APRON END OF ENDWALLS)
2) JOINT TIES FOR CONCRETE PIPE SHALL BE PROVIDED AT ALL CONCRETE APRON ENDWALLS. PIPE JOINTS SHALL BE TIED FOR THE LAST THREE JOINTS AT PIPE ENDS. THE COST OF THE JOINT TIES SHALL BE INCLUDED IN THE PIPE BID ITEMS.

* ADDITIONAL QUANTITIES LISTED ELSEWHERE - SEE STORM SEWER TABLE

TEMPORARY STORM SEWER

CATEGORY	STAGE	ROADWAY	FROM STATION	FROM OFFSET	TO STATION	TO OFFSET	PIPE LENGTH	INVERT ELEVATION EXISTING PIPE END DISCHARGE **	INVERT ELEVATION TEMP EXTENSION PIPE END DISCHARGE	SLOPE	520.8000 CONCRETE COLLARS FOR PIPE EACH	522.1018 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 18-INCH EACH	608.0418 STORM SEWER PIPE REINFORCED CONCRETE 18-INCH LF	NOTES
1000	1	IH 94 NB WIDENING												
			1132+62	70' LT	1132+61	99' LT	29	670.2	670.1	0.3%	1	1	29	CONNECT TEMP. PIPE TO EXIST. 18-INCH PIPE END
			1204+16	50' LT	1204+17	55' LT	6	712.9	712.9	0.3%	1	1	6	CONNECT TEMP. PIPE TO EXIST. 18-INCH PIPE END
			1211+21	47' LT	1211+21	62' LT	15	705.7	705.7	0.3%	1	1	15	CONNECT TEMP. PIPE TO EXIST. 18-INCH PIPE END
			1218+66	45' LT	1218+66	62' LT	18	702.3	702.2	0.3%	1	1	18	CONNECT TEMP. PIPE TO EXIST. 18-INCH PIPE END
			1221+14	45' LT	1221+13	62' LT	18	701.0	700.9	0.3%	1	1	18	CONNECT TEMP. PIPE TO EXIST. 18-INCH PIPE END
	TOTALS										5	5	86	
	* ADDITIONAL QUANTITIES LISTED ELSEWHERE											*	*	

** FIELD VERIFY EXISTING PIPE END LOCATION & DISCHARGE ELEVATION

CONCRETE BARRIER

CATEGORY	STAGE	ROADWAY	LOCATION			OFFSET	603.1142 CONCRETE BARRIER TYPE S42 LF	603.1156 CONCRETE BARRIER TYPE S56 LF	603.2156 CONCRETE BARRIER FIXED OBJECT PROTECTION TYPE S56 LF	603.3559 CONCRETE BARRIER TRANSITION TYPE S42 TO S56 EACH
1000	2	IH 94 NB								
			146+19	-	190+75	RT	5,770	50	175	2
		IH 94 SB								
			132+32	-	132+82	LT	50	--	--	--
			135+67	-	194+18	LT	7,214	100	175	3
			196+07	-	202+93	LT	1,097	--	--	--
		RAMP EA								
			167EA+22		175EA+28	LT	806	--	--	--
		RAMP EC								
			150EC+58		160EC+70	RT	1,019	--	--	--
		STAGE 2 SUBTOTAL					15,956	150	350	5
1000	3	IH 94 NB								
			202+93	-	220+00	RT	1,608	38	12	2
		IH 94 SB								
			202+93	-	220+00	LT	1,608	38	12	2
		STAGE 3 SUBTOTAL					3,216	76	24	4
1000	4	IH 94 NB								
			131+34	-	133+00	RT	330	--	--	--
			136+24	-	146+19	RT	1,510	50	--	1
			190+75	-	194+19	RT	345	--	--	--
			196+15	-	202+93	RT	1,921	--	--	--
		RAMP EA								
			166EA+27	-	167EA+22	LT	99	--	--	--
		STAGE 4 SUBTOTAL					4,205	50	--	1
1000	5	IH 94 NB								
			131+34	-	133+00	RT	98	--	--	--
			136+24	-	194+19	RT	2,626	--	--	--
		STAGE 5 SUBTOTAL					2,724	--	--	--
		TOTALS					26,101	276	374	10

CPM PROGRESS SCHEDULE

CATEGORY	PROJECT	SPV.0060.0007 BASELINE CPM PROGRESS SCHEDULE EACH	SPV.0060.0008 MONTHLY CPM PROGRESS SCHEDULE UPDATES EACH
1000	1030-20-87	0.3	22
	TOTAL	0.3	22

ROADWAY BARRIER ITEMS

CATEGORY	STAGE	ROADWAY	LOCATION			OFFSET	614.2300 MGS GUARDRAIL 3 LF	614.2500 MGS THRIE BEAM TRANSITION LF	614.2610 MGS GUARDRAIL TERMINAL EAT EACH
1000	2	IH 94 NB							
			158+70	-	160+00	RT	13	40	1
		IH 94 SB							
			200+22	-	201+29	LT	13	40	1
		RAMP EC							
			150EC+56	-	151EC+62	LT	13	40	1
		STAGE 2 SUBTOTAL					39	120	3
1000	4	IH 94 NB							
			191+80	-	194+30	RT	163	40	1
		STAGE 4 SUBTOTAL					163	40	1
1000	5	IH 94 SB							
			171+98	-	173+05	LT	13	40	1
		STAGE 5 SUBTOTAL					13	40	1
		TOTALS					215	200	5

ROCK TOE ITEMS

CATEGORY	LOCATION	606.0100 RIPRAP LIGHT CY	645.0130 GEOTEXTILE FABRIC TYPE R SY
1000	NORTHWEST DETENTION POND	180	1060
	SOUTHEAST DETENTION POND	145	840
	TOTAL	325	1900

FENCING

CATEGORY	ROADWAY	STATION	TO	STATION	OFFSET	616.0100.0001 FENCE WOVEN WIRE 4-FT LF	616.0206 FENCE CHAIN LINK 6-FT LF	616.0329.0001 GATES CHAIN LINK 12-FT EACH	616.0700.S FENCE SAFETY LF
1000	IH 94 NB								
		131+63	-	133+28	RT	116	118	1	--
		136+35	-	194+78	RT	5,938	343	2	--
		195+94	-	220+00	RT	--	2,506	1	332
	IH 94 SB								
		131+63	-	133+28	LT	68	74	--	--
		136+40	-	155+95	LT	2,279	--	--	--
		160+50	-	194+30	LT	3,267	289	1	198
		195+58	-	208+42	LT	--	1,346	1	--
		219+66	-	220+00	LT	--	34	--	39
	UNDISTRIBUTED					--	--	--	1,000
	TOTAL					11,668	4,710	6	1,569

MAINTENANCE AND REPAIR OF HAUL ROADS 0004. 1030-20-87

CATEGORY	STAGE	PROJECT	618.0100.0004 EACH
1000	ALL	1030-20-87	1
	TOTAL		1

MOBILIZATION

CATEGORY	STAGE	PROJECT	619.1000 EACH
1000	ALL	1030-20-87	0.30
	TOTAL		0.30

SECTION CORNER MONUMENTS

CATEGORY	ROADWAY	STATION	OFFSET	SPV.0060.0060 SECTION CORNER MONUMENTS EACH	NOTES
1000	ELM ROAD	34E+16.96	0.00'	1	31-5-22 CENTER OF SECTION MON.
	TOTAL			1	

DUST CONTROL SURFACE TREATMENT

CATEGORY	PROJECT	623.0200 SY
1000	1030-20-87	342,510
	TOTAL	342,510

TRACKING PADS

CATEGORY	STAGE	ROADWAY	628.7560 TRACKING PADS EACH
1000	1	IH 94	2
		S. 27TH STREET/ STH 241	1
		STAGE 1 SUBTOTAL	3
1000	2	IH 94	2
		S. 27TH STREET/ STH 241	1
		ELM ROAD	1
		STAGE 2 SUBTOTAL	4
1000	4	IH 94	2
		STAGE 4 SUBTOTAL	2
		TOTALS	9

ASPHALTIC MATERIAL BINDER

CATEGORY	ROADWAY	STATION	TO	STATION	LOCATION	SPV.0180.0106 ASPHALTIC MATERIAL BINDER SY
1000	IH 94					
		131+34	-	132+60	MEDIAN	26
		136+15	-	163+00	MEDIAN	537
		162+37	-	163+88	LT	81
		163+90	-	165+38	RT	79
		164+75	-	194+20	MEDIAN	589
		196+10	-	220+00	MEDIAN	478
	TOTAL					1,790

EROSION CONTROL ITEMS

CATEGORY	STAGE	ROADWAY	STATION	TO	STATION	606.0200 RIPRAP MEDIUM CY	628.1104 EROSION BALES EACH	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF	628.1905 MOBILIZATION EROSION CONTROL EACH	628.1910 MOBILIZATION EMERGENCY EROSION CONTROL EACH	628.2004 EROSION MAT CLASS I TYPE B SY	628.2008** EROSION MAT URBAN CLASS I TYPE B SY	628.6005 TURBIDITY BARRIERS SY	628.7005 INLET PROTECTION TYPE A EACH	628.7010 INLET PROTECTION TYPE B EACH
1000	1	IH-94 NB WIDENING														
			131+34		132+91	4	4	--	--	--	--	--	--	384	--	--
			135+29		194+86	--	6	309	155	--	--	--	--	363	--	--
			195+14		220+00	16	--	776	388	--	--	--	--	--	--	--
		S. 27TH STREET/ STH 241														
			802T+00		815T+91	--	--	--	--	--	--	737	--	--	4	5
		UNDISTRIBUTED				5	3	271	136	--	--	184	--	187	1	1
		STAGE 1 SUBTOTALS				25	13	1,356	679	--	--	921	--	934	5	6
1000	2	IH-94														
			131+34		132+91	5	--	--	--	--	--	--	1,206	--	5	--
			135+29		194+86	54	--	--	--	--	--	41,327	6,833	--	55	--
			195+14		220+00	9	--	200	100	--	--	13,367	618	--	4	--
		RAMP EA														
			167EA+22		175EA+28	11	--	--	--	--	--	--	--	--	2	--
		RAMP EC														
			150EC+58		160EC+94	14	--	267	134	--	--	8,812	--	--	4	--
		RAMP ED														
			161ED+61		179ED+29	7	--	148	74	--	--	23,486	1,340	--	3	--
		S. 27TH STREET/ STH 241														
			802T+00		815T+91	--	--	--	--	--	--	834	--	--	5	--
		ELM ROAD														
			10E+69		30E+35	37	--	507	254	--	--	22,916	2,265	--	43	--
			33E+00		33E+81	--	--	--	--	--	--	17	--	--	2	--
		OAKWOOD ROAD														
			17KW+00		18KW+59	13	--	--	--	--	--	--	--	--	--	--
		NW WET DETENTION POND														
			164+28		171+00	56	--	--	--	--	--	4,086	--	--	1	--
		FENCE														
			131+34		132+91	--	--	--	--	--	--	--	157	--	--	--
		UNDISTRIBUTED				52	--	281	140	10	5	28,711	3,105	--	31	--
		STAGE 2 SUBTOTALS				258	--	1,403	701	10	5	143,556	15,524	--	155	--

(CONTINUED ON NEXT SHEET)

EROSION CONTROL ITEMS (CONTINUED)

CATEGORY	STAGE	ROADWAY	STATION	TO	STATION	628.7015 INLET PROTECTION TYPE C EACH	628.7020 INLET PROTECTION TYPE D EACH	628.7504 TEMPORARY DITCH CHECK LF	628.7555 CULVERT PIPE CHECKS EACH	628.7570 ROCK BAGS EACH	631.1100 SOD EROSION CONTROL SY	645.0120* GEOTEXTILE TYPE HR SY	SPV.0060.0054 TEMPORARY STONE DITCH CHECKS EACH	SPV.0060.055 TEMPORARY SEDIMENT TRAPS EACH	SPV.0060.0056 SAND BAGS EACH	SPV.0090.0070 HEAVY DUTY SILT FENCE LF
1000	1	IH-94 NB WIDENING														
			131+34		132+91	--	--	--	--	--	--	12	1	--	--	339
			135+29		194+86	--	--	200	--	--	--	--	--	--	--	1,658
			195+14		220+00	--	13	75	--	--	--	47	4	--	--	--
		S. 27TH STREET/ STH 241														
			802T+00		815T+91	1	--	75	--	--	--	--	--	--	--	--
		UNDISTRIBUTED				--	2	88	--	--	--	15	1	--	--	499
		STAGE 1 SUBTOTALS				1	15	438	--	--	--	73	6	--	--	2,496
1000	2	IH-94														
			131+34		132+91	--	5	--	--	--	--	16	1	--	--	--
			135+29		194+86	--	54	188	--	--	--	225	10	--	--	1,178
			195+14		220+00	--	4	150	--	--	--	53	1	--	--	--
		RAMP EA														
			167EA+22		175EA+28	--	2	--	--	--	--	32	--	--	--	--
		RAMP EC														
			150EC+58		160EC+94	2	2	25	--	--	--	88	3	--	--	--
		RAMP ED														
			161ED+61		179ED+29	3	--	113	--	--	--	98	--	--	--	--
		S. 27TH STREET/ STH 241														
			802T+00		815T+91	4	1	25	--	--	82	--	--	--	--	--
		ELM ROAD														
			10E+69		30E+35	43	--	88	22	--	--	111	2	--	--	--
			33E+00		33E+81	2	--	--	--	--	--	--	--	--	--	--
		OAKWOOD ROAD														
			17KW+00		18KW+59	--	--	--	5	--	--	39	--	--	--	--
		NW WET DETENTION POND														
			164+28		171+00	--	1	13	7	--	--	167	--	1	--	1,582
		FENCE														
			131+34		132+91	--	--	--	--	--	--	--	--	--	--	--
		UNDISTRIBUTED				14	17	150	9	200	21	207	4	1	100	690
		STAGE 2 SUBTOTALS				68	86	750	43	200	103	1,035	21	2	100	3,450

(CONTINUED ON NEXT SHEET)

EROSION CONTROL ITEMS (CONTINUED)

CATEGORY	STAGE	ROADWAY	STATION	TO	STATION	606.0200 RIPRAP MEDIUM CY	628.1104 EROSION BALES EACH	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF	628.1905 MOBILIZATION EROSION CONTROL EACH	628.1910 MOBILIZATION EMERGENCY EROSION CONTROL EACH	628.2004 EROSION MAT CLASS I TYPE B SY	628.2008** EROSION MAT URBAN CLASS I TYPE B SY	628.6005 TURBIDITY BARRIERS SY	628.7005 INLET PROTECTION TYPE A EACH	628.7010 INLET PROTECTION TYPE B EACH
1000	3	IH-94														
			195+14		220+00	--	--	--	--	--	--	--	--	--	16	--
		UNDISTRIBUTED				--	--	--	--	2	1	--	--	--	4	--
		STAGE 3 SUBTOTALS				--	--	--	--	2	1	--	--	--	20	--
1000	4	IH-94														
			131+34		132+91	5	--	--	--	--	--	--	2,244	--	2	--
			135+29		194+86	23	--	--	--	--	--	60,107	24,051	--	10	--
			195+14		220+00	3	--	--	--	--	--	10,940	4,405	--	7	--
		RAMP EA														
			165EA+53		175EA+28	--	--	--	--	--	--	22,276	562	--	--	--
		RAMP EB														
			152EB+20		166EB+39	15	--	--	--	--	--	15,483	--	--	1	--
		ELM ROAD														
			33E+81		34E+42	--	--	--	--	--	--	87	--	--	--	--
		OAKWOOD ROAD														
			17KW+00		18KW+59	--	--	--	--	--	--	607	--	--	--	--
		SE WET DETENTION POND														
			151+63		156+73	31	--	377	188	--	--	1,800	--	--	--	--
		FENCE														
			131+34		131+85	--	--	--	--	--	--	--	263	--	--	--
		UNDISTRIBUTED				19	--	94	47	8	4	27,825	7,881	--	5	--
		STAGE 4 SUBTOTALS				96	--	471	235	8	4	139,125	39,406	--	25	--
1000	5	IH 94														
			135+29		194+86	--	--	--	--	--	--	1,192	--	--	--	--
			195+14		220+00	--	--	--	--	--	--	22	--	--	--	--
		UNDISTRIBUTED				--	--	--	--	--	--	304	--	--	--	--
		STAGE 5 SUBTOTAL				--	--	--	--	--	--	1,518	--	--	--	--
		TOTALS				379	13	3,229	1,615	20	10	285,120	54,930	934	205	6

** EROSION MAT URBAN CLASS I TYPE B TO BE USED WITHIN 20' OF WATER BODY AND WETLANDS

(CONTINUED ON NEXT SHEET)

EROSION CONTROL ITEMS (CONTINUED)

CATEGORY	STAGE	ROADWAY	STATION	TO	STATION	628.7015 INLET PROTECTION TYPE C EACH	628.7020 INLET PROTECTION TYPE D EACH	628.7504 TEMPORARY DITCH CHECK LF	628.7555 CULVERT PIPE CHECKS EACH	628.7570 ROCK BAGS EACH	631.1100 SOD EROSION CONTROL SY	645.0120* GEOTEXTILE TYPE HR SY	SPV.0060.0054 TEMPORARY STONE DITCH CHECKS EACH	SPV.0060.055 TEMPORARY SEDIMENT TRAPS EACH	SPV.0060.0056 SAND BAGS EACH	SPV.0090.0070 HEAVY DUTY SILT FENCE LF
1000	3	IH-94														
			195+14		220+00	--	16	--	--	--	--	--	--	--	--	--
		UNDISTRIBUTED				--	4	--	--	--	--	--	--	--	--	--
		STAGE 3 SUBTOTALS				--	20	--	--	--	--	--	--	--	--	--
1000	4	IH-94														
			131+34		132+91	--	2	--	--	--	--	16	1	--	--	--
			135+29		194+86	--	10	163	14	--	--	82	3	--	--	--
			195+14		220+00	--	7	125	--	--	--	17	--	--	--	--
		RAMP EA														
			165EA+53		175EA+28	--	--	25	--	--	--	--	2	--	--	--
		RAMP EB														
			152EB+20		166EB+39	--	1	50	10	--	--	101	1	--	--	--
		ELM ROAD														
			33E+81		34E+42	--	--	--	--	--	--	--	--	--	--	--
		OAKWOOD ROAD														
			17KW+00		18KW+59	--	--	--	2	--	--	--	--	--	--	--
		SE WET DETENTION POND														
			151+63		156+73	--	--	--	15	--	--	92	--	1	--	1,253
		FENCE														
			131+34		131+85	--	--	--	--	--	--	--	--	--	--	--
		UNDISTRIBUTED				--	5	91	10	200	--	77	2	1	100	313
		STAGE 4 SUBTOTALS				--	25	453	51	200	--	385	9	2	100	1,566
1000	5	IH 94														
			135+29		194+86	--	--	--	--	--	--	--	--	--	--	--
			195+14		220+00	--	--	--	--	--	--	--	--	--	--	--
		UNDISTRIBUTED				--	--	--	--	--	--	--	--	--	--	--
		STAGE 5 SUBTOTAL				--	--	--	--	--	--	--	--	--	--	--
		TOTALS				69	146	1,641	94	400	103	1,493	36	4	200	7,512

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

** EROSION MAT URBAN CLASS I TYPE B TO BE USED WITHIN 20' OF WATER BODY AND WETLANDS

RESTORATION ITEMS

CATEGORY	STAGE	ROADWAY	STATION	TO	STATION	625.0100 TOPSOIL SY	625.0500 SALVAGED TOPSOIL SY	627.0200 MULCHING SY	628.6510 SOIL STABILIZER TYPE B ACRE	SPV.0030.0001 FERTILIZER TYPE B SPECIAL CWT	SPV.0085.0002 SEEDING MIXTURE NO. 30 SPECIAL LB	630.0160** SEEDING MIXTURE NO. 60 LB	630.0200 SEEDING TEMPORARY LB	SPV.0035.0001 POND LINING CLAY SPECIAL CY	SPV.0035.0002 CLAY EMBANKMENT FILL CY	SPV.0060.0053 ROOTSTOCK VEGETATION EACH	SPV.0180.0010 ROOTSTOCK PROTECTION SY
1000	1	IH 94 NB WIDENING															
			1131+36		1133+92	--	2,083	2,083	0.4	--	--	--	56	--	--	--	--
			1136+42		1196+15	--	31,031	31,031	6.4	16	--	--	838	--	--	--	--
			1196+50		1221+16	--	14,777	14,777	3.1	7	--	--	399	--	--	--	--
		S. 27TH STREET/ STH 241															
			804T+00		809T+55	--	613	--	--	1	17	--	8	--	--	--	--
			810T+55		815T+91	--	124	--	--	1	3	--	2	--	--	--	--
		UNDISTRIBUTED				--	12,157	11,973	2.0	6	5	--	326	--	--	--	--
		STAGE 1 SUBTOTALS				--	60,785	59,864	11.9	31	25	--	1,629	--	--	--	--
1000	2	IH 94 NB															
			167+59		175+54	--	3,281	--	--	3	89	--	44	--	--	--	--
		IH 94 SB															
			131+34		132+91	--	1,206	--	--	--	--	16	--	--	--	--	--
			135+29		194+86	--	44,879	--	--	26	1,111	92	555	--	--	--	--
			195+14		220+00	--	13,984	--	--	10	406	8	203	--	--	--	--
		RAMP EC															
			150EC+58		160EC+94	--	8,812	--	--	7	268	--	134	--	--	--	--
		RAMP ED															
			161ED+61		179ED+29	--	24,825	--	--	16	676	20	338	--	--	--	--
		S. 27TH STREET/ STH 241															
			805T+85		809T+83	--	333	--	--	1	14	--	7	--	--	--	--
			810T+19		812T+17	--	502	--	--	1	17	--	9	--	--	--	--
		ELM ROAD															
			10E+69		30E+35	--	25,180	--	--	15	619	31	309	--	--	--	--
			33E+00		33E+81	--	17	--	--	1	1	--	1	--	--	--	--
		NW WET DETENTION POND															
			164+28		171+00	--	4,086	--	1.2	--	--	55	--	2,014	1,794	364	1,143
		FENCE															
			131+34		132+91	--	157	--	--	--	--	2	--	--	--	--	--
			135+29		194+86	--	4,864	4,864	--	4	131	22	66	--	--	--	--
			195+14		220+00	--	1,521	1,521	--	1	41	--	21	--	--	--	--
		UNDISTRIBUTED				10,000	33,412	1,596	--	21	843	62	422	504	449	91	286
		STAGE 2 SUBTOTALS				10,000	167,059	7,981	1.2	106	4,216	308	2,109	2,518	2,243	455	1,429

(CONTINUED ON NEXT SHEET)

RESTORATION ITEMS (CONTINUED)

CATEGORY	STAGE	ROADWAY	STATION	TO	STATION	625.0100 TOPSOIL SY	625.0500 SALVAGED TOPSOIL SY	627.0200 MULCHING SY	628.6510 SOIL STABILIZER TYPE B ACRE	SPV.0030.0001 FERTILIZER TYPE B SPECIAL CWT	SPV.0085.0002 SEEDING MIXTURE NO. 30 SPECIAL LB	630.0160** SEEDING MIXTURE NO. 60 LB	630.0200 SEEDING TEMPORARY LB	SPV.0035.0001 POND LINING CLAY SPECIAL CY	SPV.0035.0002 CLAY EMBANKMENT FILL CY	SPV.0060.0053 ROOTSTOCK VEGETATION EACH	SPV.0180.0010 ROOTSTOCK PROTECTION SY
1000	4	IH 94 NB															
			131+34		131+85	--	2,244	--	--	--	--	30	--	--	--	--	--
			136+24		195+20	--	84,158	--	--	41	1,754	314	877	--	--	--	--
			195+42		220+00	--	15,346	--	--	8	309	59	155	--	--	--	--
		RAMP EA															
			165EA+53		175EA+28	--	22,838	--	--	15	630	8	315	--	--	--	--
		RAMP EB															
			152EB+20		166EB+39	--	15,483	--	--	11	461	--	230	--	--	--	--
		ELM ROAD															
			33E+81		34E+42	--	87	--	--	1	2	--	1	--	--	--	--
		OAKWOOD ROAD															
			17KW+00		18KW+59	--	607	--	--	1	16	--	8	--	--	--	--
		SE WET DETENTION POND															
			151+63		156+73	--	1,800	--	0.6	--	--	24	--	895	735	280	894
		FENCE															
			131+34		131+85	--	263	--	--	--	--	4	--	--	--	--	--
			136+24		195+20	--	6,809	6,809	--	5	184	24	92	--	--	--	--
			195+42		220+00	--	1,872	1,872	--	2	51	12	25	--	--	--	--
		UNDISTRIBUTED				10,000	37,877	2,170	--	21	852	119	426	224	184	70	224
		STAGE 4 SUBTOTALS				10,000	189,384	10,851	0.6	105	4,259	594	2,129	1,119	919	350	1,118
1000	5	IH 94															
			135+29		194+86	--	1,192	--	--	1	32	--	16	--	--	--	--
			195+14		220+00	--	22	--	--	1	1	--	--	--	--	--	--
		UNDISTRIBUTED				--	304	--	--	1	8	--	4	--	--	--	--
		STAGE 5 SUBTOTAL				--	1,518	--	--	3	41	--	20	--	--	--	--
		TOTALS				20,000	418,746	78,696	13.7	245	8,541	902	5,887	3,637	3,162	805	2,547

** SEEDING MIXTURE NO. 60 TO BE USED ADJACENT TO WATER BODY AND WETLANDS

WATER ITEMS

CATEGORY	STAGE		624.0100 WATER MGAL
1000	1	BASE AGGREGATE	51
1000	2	BASE AGGREGATE	395
		EARTHWORK COMPACTION	552
1000	3	BASE AGGREGATE	4
1000	4	BASE AGGREGATE	115
		EARTHWORK COMPACTION	128
		TOTALS	1,245

ADJUSTING WATER VALVES

CATEGORY	ROADWAY	STATION	OFFSET	SPV.0060.5002 ADJUSTING WATER VALVES EACH
1000	OAKWOOD ROAD			
		18KW+58	5' LT	1
		21KW+89	8' LT	1
	TOTAL			2

CONCRETE PAVEMENT JOINT LAYOUT

CATEGORY	PROJECT	415.5110.S.0004 CONCRETE PAVEMENT JOINT LAYOUT LS
1000	1030-20-87	1
	TOTAL	1

SAW CUTTING ITEMS

CATEGORY	STAGE	ROADWAY	FROM STATION	TO STATION	OFFSET	690.0150 SAWING ASPHALT LF	690.0250* SAWING CONCRETE LF	REMARKS
1000	1	IH 95 NB						
			215+81	220+00	RT	--	432	FOR RYAN ROAD RAMP SB CROSSOVER
		IH 94 SB						
			217+09	220+00	LT	--	291	FOR RYAN ROAD RAMP SB CROSSOVER
		IH 94 NB WIDENING						
			1131+34	1221+16	RT	--	4,478	FOR NB WIDENING
		STH 241/ S. 27TH STREET						
			804T+00	809T+79	LT/RT	--	671	
			810T+17	815T+91	LT/RT	--	685	
		STAGE 1 SUBTOTAL				--	6,557	
1000	2	IH 94 SB						
			131+34	132+21	LT	--	105	
			202+93	220+00	LT	--	1,720	
		STH 241/ S. 27TH STREET						
			805T+85	812T+17	RT	650	--	
			808T+95	811T+50	LT	271	--	
		ELM ROAD						
			8E+50		LT/RT	23	--	
			8E+71	9E+17	LT	45	--	DRIVEWAY
		STAGE 2 SUBTOTAL				989	1,825	
1000	3	IH 94 NB						
			202+93	215+81	RT	--	1,301	
		STAGE 3 SUBTOTAL				--	1,301	
1000	4	OAKWOOD ROAD						
			17KW+00		LT/RT	24	--	
			22KW+00		LT/RT	24	--	
		STAGE 4 SUBTOTAL				48	--	
		UNDISTRIBUTED				104	969	
		TOTALS				1,141	10,652	

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

BARRICADE RACKS

CATEGORY	LOCATION	SPV.0060.0029 PERMANENT BARRICADES TYPE III EACH	SPV.0060.0030 BARRICADE RACK EACH
1000	RAMP EA	4	1
	RAMP EC	6	1
	TOTAL	10	2

REMOVING RUMBLE STRIPS

CATEGORY	STAGE	ROADWAY	STATION		STATION	LOCATION	SPV.0180.0006 REMOVING RUMBLE STRIPS SY
1000	1	IH 94 NB	144+50	-	220+00	MEDIAN	755
			144+50	-	220+00	OUTSIDE	355
		TOTAL					1,110

SURVEY PROJECT

CATEGORY	PROJECT	SPV.0105.0004 LS
1000	1030-20-87	1
	TOTALS	1

DISPUTE RESOLUTION BOARD

CATEGORY	LOCATION	SPV.0055.0002 DISPUTE RESOLUTION BOARD DOL
1000	PROJECT	5,000
	TOTAL	5,000

PAVEMENT CLEANUP

CATEGORY	PROJECT	SPV.0075.0012 HRS
1000	1030-20-87	1,500
	TOTAL	1,500

EXPOSING EXISTING INFRASTRUCTURE

CATEGORY	LOCATION	SPV.0060.0100 EXPOSING EXISTING INFRASTRUCTURE UNPAVED AREA EACH	SPV.0060.0101 EXPOSING EXISTING INFRASTRUCTURE PAVED AREA EACH
1000	PROJECT	3	3
	TOTALS	3	3

GEOGRID REINFORCEMENT

CATEGORY	LOCATION	645.0220 GEOGRID TYPE SR SY
1000	UNDISTRIBUTED	30,351
	TOTAL	30,351

DELINEATOR & MARKER ITEMS

CATEGORY	ROADWAY	633.0100 DELINEATOR POSTS STEEL EACH	633.0500 DELINEATOR REFLECTORS WHITE EACH	633.1000 DELINEATOR BRACKETS YELLOW EACH	633.1000 DELINEATOR BRACKETS WHITE EACH	SPV.0060.0044 FLEXIBLE TUBULAR MARKERS MEDIAN EACH
1000	IH 94 NB	18	18	60	24	--
	IH 94 SB	17	17	60	27	--
	RAMP EA	18	18	9	--	--
	RAMP EB	20	20	--	--	--
	RAMP EC	10	10	10	8	--
	RAMP ED	22	22	--	--	--
	ELM ROAD	--	--	--	--	20
	SUBTOTALS	105	105	139	59	20
	TOTALS	105	105	198		20

PAVEMENT MARKING ITEMS

CATEGORY	ROADWAY	646.1020 MARKING LINE EPOXY 4-INCH 12.5' LINE 37.5' SKIP YELLOW LF	646.1020 MARKING LINE EPOXY 4-INCH 12.5' LINE 37.5' SKIP YELLOW LF	646.1020 MARKING LINE EPOXY 4-INCH 12.5' LINE 37.5' SKIP WHITE LF	646.1020 MARKING LINE EPOXY 4-INCH 3' LINE 9' SKIP WHITE LF	646.1040 MARKING LINE GROOVED WET REF EPOXY 4-INCH YELLOW LF	646.1040 MARKING LINE GROOVED WET REF EPOXY 4-INCH WHITE LF	646.1545 MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH 2' LINE 6' SKIP WHITE LF	646.1545 MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH 3' LINE 9' SKIP YELLOW LF	646.1545 MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH 3' LINE 9' SKIP WHITE LF	646.1545 MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH 12.5' LINE 37.5' SKIP WHITE LF	646.1555 MARKING LINE GROOVED CONTRAST PERMANENT TAPE 4-INCH 12.5' LINE 37.5' SKIP WHITE LF	646.3545 MARKING LINE GROOVED WET REF EPOXY 8-INCH 2' LINE 6' SKIP WHITE LF	646.3545 MARKING LINE GROOVED WET REF EPOXY 8-INCH 2' LINE 6' SKIP WHITE LF	646.3545 MARKING LINE GROOVED WET REF EPOXY 8-INCH 3' LINE 9' SKIP WHITE LF	646.3555 MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH 3' LINE 9' SKIP WHITE LF	646.3555 MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH 3' LINE 9' SKIP WHITE LF
1000	IH 94 NB	--	--	--	--	8,871	7,756	--	--	--	--	6,660	--	--	--	1,135	290
	IH 94 SB	--	--	--	--	8,860	7,664	--	--	--	--	6,639	--	--	--	1,178	281
	RAMP EA	871	--	1,560	--	--	--	--	--	--	--	--	--	--	--	585	--
	RAMP EB	1,286	--	1,863	--	--	--	--	--	--	--	--	--	--	--	453	--
	RAMP EC	1,028	--	1,680	--	--	--	--	--	--	--	98	--	--	--	1,001	--
	RAMP ED	1,686	--	2,135	--	--	--	--	--	--	--	80	--	--	--	825	--
	S. 27TH STREET/ STH 241	1,998	--	2,217	--	--	--	195	--	199	525	--	1,228	--	37	--	--
	ELM RD	4,373	--	4,576	13	--	--	372	32	--	401	--	2,184	30	437	--	--
	OAKWOOD ROAD	--	125	1,000	--	--	--	--	--	--	--	--	--	--	--	--	--
	SUBTOTALS	11,242	125	15,031	13	17,731	15,420	567	32	199	926	13,477	3,412	30	474	5,177	571
	TOTALS		26,411			33,151			1,724			13,477		3,916		5,748	

(CONTINUED ON NEXT SHEET)

PAVEMENT MARKING ITEMS (CONTINUED)

CATEGORY	ROADWAY	646.5020 MARKING ARROW EPOXY TYPE 2 WHITE EACH	646.5120 MARKING WORD EPOXY WHITE EACH	646.6120 MARKING STOP LINE EPOXY 18-INCH WHITE LF	646.6220 MARKING YIELD LINE EPOXY 18-INCH WHITE EACH	646.7120 MARKING DIAGONAL EPOXY 12-INCH YELLOW LF	646.7120 MARKING DIAGONAL EPOXY 12-INCH WHITE LF	646.7220 MARKING CHEVRON EPOXY 24-INCH WHITE LF	646.7420 MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH WHITE LF	646.8120 MARKING CURB EPOXY YELLOW LF	646.8220 MARKING ISLAND NOSE EPOXY YELLOW EACH	SPV.0060.0080 MARKING CONTRAST EPOXY SPECIAL MARKING ARROW TYPE 2 WHITE EACH	SPV.0060.0080 MARKING CONTRAST EPOXY SPECIAL MARKING ARROW TYPE 3 WHITE EACH	SPV.0060.0080 MARKING CONTRAST EPOXY SPECIAL MARKING ARROW TYPE 4 WHITE EACH	SPV.0060.0080 MARKING CONTRAST EPOXY SPECIAL MARKING ARROW TYPE 5 WHITE EACH	SPV.0060.0082 MARKING CONTRAST EPOXY SPECIAL MARKING WORD WHITE EACH
1000	IH 94 NB	--	--	--	--	1,508	1,084	201	--	--	--	--	--	--	2	2
	IH 94 SB	--	--	--	--	1,508	1,194	191	--	--	--	--	--	--	2	2
	RAMP EA	--	--	--	--	--	362	--	--	--	--	--	--	--	--	--
	RAMP EB	--	--	15	--	--	328	--	--	--	--	--	1	1	--	--
	RAMP EC	--	--	--	--	--	67	--	--	--	--	--	--	--	--	--
	RAMP ED	--	--	25	--	--	--	--	--	--	--	2	2	1	--	1
	S. 27TH STREET/ STH 241	7	2	--	1	--	--	--	36	234	3	--	--	--	--	--
	ELM RD	--	--	64	1	294	725	--	150	268	5	14	--	--	--	4
	OAKWOOD ROAD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	SUBTOTALS	7	2	104	2	3,310	3,760	392	186	502	8	16	3	2	4	9
	TOTALS	7	2	104	2	7,070		392	186	502	8	25				9

FTMS PULL BOXES & COMMUNICATION VAULTS

CATEGORY	ROADWAY	ITEM ID	652.0700.S INSTALL CONDUIT INTO EXISTING ITEM EACH	653.0140 PULL BOXES STEEL 24 X 42 - INCH EACH	673.0105 COMMUNICATION VAULT TYPE 1 EACH	673.0200 TRACER WIRE MARKER POSTS EACH	SPV.0060.2055 LOOP DETECTOR WIRE PROTECTION EACH
1300	IH 94 / ELM ROAD						
		CV133	--	--	1	1	--
		CV137	--	--	1	1	--
		PB152	--	1	--	--	--
		PB154	--	1	--	--	--
		PB155-1	--	1	--	--	2
		PB155-2	--	1	--	--	2
		PB157-1	--	1	--	--	1
		PB157-2	--	1	--	--	1
		PB158	--	1	--	--	--
		PB159-1	--	1	--	--	1
		PB159-2	--	1	--	--	--
		PB160-1	--	1	--	--	--
		PB160-2	--	1	--	--	--
		PB161-1	--	1	--	--	--
		PB161-2	--	1	--	--	1
		PB162	--	1	--	--	--
		PB163	--	1	--	--	--
		PB164-1	--	1	--	--	--
		PB164-2	--	1	--	--	--
		PB165	--	1	--	--	--
		CV11E	--	--	1	1	--
		CV12E	--	--	1	1	--
		CV17E	--	--	1	1	--
		CV22E	--	--	1	1	--
		CV27E	--	--	1	1	--
		CV29E	--	--	1	1	--
		CV35E	--	--	1	1	--
		EXCV167	1	--	--	--	--
		PB34E	--	1	--	--	--
		PB166-1	--	1	--	--	1
		PB166-2	--	1	--	--	1
		PB168-1	--	1	--	--	1
		PB168-2	--	1	--	--	1
		PB170-1	--	1	--	--	2
		PB170-2	--	1	--	--	2
		PB173	--	1	--	--	--
		PB176	--	1	--	--	--
		PB177	--	1	--	--	--
		PB196	--	1	--	--	--
		PB197	--	1	--	--	--
		EXMD196	1	--	--	--	--
TOTALS			2	30	9	9	16

FTMS CONDUIT

CATEGORY	ROADWAY	ITEM ID	LINEAR DISTANCE	652.0125 CONDUIT RIGID METALLIC 2-INCH LF	652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	655.0510 ELECTRICAL WIRE TRAFFIC SIGNALS 12 AWG LF	671.0132 CONDUIT HDPE 3-DUCT 2-INCH LF
1300	IH 94 / ELM ROAD						
		CV133 - CV137	120	--	360	129	--
		MD152 - PB152	20	--	40	29	--
		PB152 - PB154	215	--	430	224	--
		PB154 - PB156	185	--	370	194	--
		PB156 - PB158	210	--	420	219	--
		PB158 - PB160-2	200	--	400	209	--
		PB160-2 - PB160-1	45	--	90	54	--
		PB160-1 - PB162	200	--	400	209	--
		PB162 - PB164-2	230	--	460	239	--
		PB164-2 - PB166-1	255	--	510	264	--
		EXCV167 - CV35E	220	--	--	229	220
		CV35E - PB166-1	15	--	30	24	--
		PB166-1 - CCTV-40-0140	35	--	70	44	--
		CCTV-40-0140 - PB34E	20	10	30	29	--
		PB34E - PB165	95	--	95	104	--
		PB165 - PB164-1	225	--	225	234	--
		PB164-1 - PB163	270	--	270	279	--
		PB163 - LPB01	100	--	100	109	--
		LPB02 - PB161-1	170	--	170	179	--
		PB161-1 - PB159-1	20	--	20	29	--
		CV29E - PB161-2	185	--	370	194	--
		PB161-2 - PB159-2	95	--	190	104	--
		PB159-2 - PB159-1	50	--	100	59	--
		PB159-1 - PB157-1	275	--	550	284	--
		PB157-1 - PB157-2	30	--	60	39	--
		PB157-1 - PB155-1	260	--	520	269	--
		PB155-1 - PB155-2	50	--	100	59	--
		PB166-1 - PB166-2	55	--	165	64	--
		PB166-2 - PB168-2	205	--	615	214	--
		PB168-2 - PB168-1	50	--	100	59	--
		PB168-2 - PB170-2	250	--	750	259	--
		PB170-2 - PB170-1	55	--	110	64	--
		PB170-2 - PB173	215	--	430	224	--
		PB173 - PB176	265	--	530	274	--
		PB176 - PB177	205	--	410	214	--
		PB177 - MD177	25	--	50	34	--
		CV35E - CV29E	650	--	--	659	650
		CV29E - CV27E	120	--	--	129	120
		CV27E - CV22E	470	--	--	479	470
		CV22E - CV17E	520	--	--	529	520
		CV17E - CV12E	565	--	--	574	565
		CV12E - CV11E	105	--	--	114	105
		EXCV196 - PB197	65	--	130	74	--
		PB197 - CTV-40-0143	15	--	30	24	--
		PB196 - CTV-40-0143	15	10	30	24	--
		EXMB196 - PB197	95	--	190	104	--
		TOTALS		20	9,920	8,154	2,650

3

FTMS FIBER OPTIC CABLE

CATEGORY	ROADWAY	ITEM ID	LINEAR DISTANCE	678.0006 INSTALL FIBER OPTIC CABLE OUTDOOR PLANT 6-CT LF
1300	IH 94 / ELM ROAD			
		EXCV167 - CV35E	220	320
		CV35E - PB166-1	15	65
		PB166-1 - CCTV-40-0140	40	90
		EXCV196 - CCTV-40-0143	85	235
		TOTALS		710

MICROWAVE DETECTOR CABLE

CATEGORY	ROADWAY	ITEM ID	LINEAR DISTANCE	674.0200 CABLE MICROWAVE DETECTOR LF
1300	IH 94 / ELM ROAD			
		CB-CCTV-40-0140 - MD152	1575	3258
		CB-CCTV-40-0140 - MD177	1245	2574
		TOTALS		5832

3

FTMS COMMUNICATIONS (CABINETS)

CATEGORY	ROADWAY	ITEM ID	678.0600 INSTALL ETHERNET SWITCHES EACH	678.0300 FIBER OPTIC SPLICE EACH	678.0400 FIBER OPTIC TERMINATION EACH
1300	IH 94 / ELM ROAD				
		CCTV-40-0140	1	--	6
		CCTV-40-0143	1	--	6
		EXCV167	--	4	--
		EXCV196	--	4	--
		TOTALS	2	8	12

POWER WIRE

CATEGORY	ROADWAY	ITEM ID	LINEAR DISTANCE	655.0525 ELECTRICAL WIRE TRAFFIC SIGNALS 6 AWG LF	655.0535 ELECTRICAL WIRE TRAFFIC SIGNALS 2 AWG LF
1300	IH 94 / ELM ROAD				
		CCTV-40-0143 - PB196	15	45	--
		PB196 - MB196	95	285	--
		CCTV-40-0140 - PB34E	20	--	60
		PB34E - PB165	100	--	300
		PB165 - PB164-1	220	--	660
		PB164-1 - PB163	270	--	810
		PB163 - LPB01	95	--	285
		LPB01 - HL-40-ES	25	--	75
		TOTALS		330	2,190

MISCELLANEOUS FTMS ITEMS

CATEGORY	ITEM I.D.	670.0100.0004 FIELD SYSTEM INTEGRATOR 1030-20-87 LS	670.0200.0004 ITS DOCUMENTATION 1030-20-87 LS	678.0500.0004 COMMUNICATION SYSTEM TESTING 1030-20-87 LS
1300	MISCELLANEOUS	1	1	1
	TOTAL	1	1	1

SUMMARY OF SLACK IN PULL BOXES AND VAULTS

	SLACK	
CABLE OR WIRE	**PULL BOX**	**VAULT**
POWER WIRES (NO. 6 AND LARGER)	NONE	N/A
GROUND / TRACER WIRE (NO. 12)	9-FT	9-FT
MD CABLE*	6-FT	N/A
CAMERA CABLE	6-FT	N/A
FIBER OPTIC CABLE	50-FT	100-FT

* MD CABLE FROM THE DETECTOR TO THE GROUND IS FURNISHED WITH THE DETECTOR

3

FTMS BASES, POLES AND EQUIPMENT

CATEGORY	ROADWAY	ITEM ID	654.0106 CONCRETE BASES TYPE 6 EACH	657.0255 TRANSFORMER BASES BREAKAWAY 11 1/2-INCH BOLT CIRCLE EACH	657.0327 POLES TYPE 6-ALUMINUM EACH	654.1150 CONCRETE BASES CAMERA POLE 50-FT EACH	673.0225.S INSTALL POLE MOUNTED CABINET EACH	675.0300 INSTALL MOUNTED CONTROLLER MICROWAVE DETECTOR ASSEMBLY EACH	677.0150 INSTALL CAMERA POLE 50-ft EACH	677.0200 INSTALL CAMERA ASSEMBLY EACH	SPV.0060.2040 GROUND ROD EACH
1300	IH 94/ELM RD										
		MD152	1	1	1	--	1	2	--	--	1
		CCTV-40-0140	--	--	--	1	1	2	1	1	1
		MD177	1	1	1	--	--	2	--	--	1
		CCTV-40-0143	--	--	--	1	1	2	1	1	1
		TOTALS	2	2	2	2	3	8	2	2	4

FTMS ELECTRICAL SERVICE

CATEGORY	ITEM ID	656.0500.0001 ELECTRICAL SERVICE BREAKER DISCONNECT BOX (CCTV-40-0140) LS	656.0500.0002 ELECTRICAL SERVICE BREAKER DISCONNECT BOX (CCTV-40-0143) LS
1300	CCTV-40-0140	1	--
	CCTV-40-0143	--	1
	TOTALS	1	1

3

FTMS RAMP METER DETECTORS

CATEGORY	ROADWAY	ITEM ID	LOCATION	OFFSET	LOOP NUMBER	LENGTH	WIDTH	NUMBER OF TURNS	IN / OUT	652.0800 CONDUIT LOOP DETECTOR LF	655.0800 LOOP DETECTOR WIRE LF
1300											
	ELM ROAD RAMP EC	RM-40-0137 (FUTURE)	159EC+87	6'LT	ENTRANCE A	6	10	3	10	42	121.8
			160EC+73	9'RT	ENTRANCE B	6	10	4	15	47	165.9
			155EC+18	3'LT	DEMAND A	20	6	4	15	67	249.9
			155EC+18	9'RT	DEMAND B	20	6	5	15	67	304.5
			154EC+83	3'LT	PASSAGE A	6	6	5	20	44	168
			154EC+83	9'RT	PASSAGE B	6	6	6	20	44	193.2
			157EC+56	3'LT	QUEUE A	6	6	3	15	39	107.1
			157EC+56	9'RT	QUEUE B	6	6	4	15	39	132.3
	ELM ROAD RAMP EA	RM-40-0136 (FUTURE)	170EA+58	9'LT	DEMAND A	20	6	4	20	72	260.4
			170EA+58	3'RT	DEMAND B	20	6	5	15	67	304.5
			170EA+93	9'LT	PASSAGE A	6	6	4	20	44	142.8
			170EA+93	3'RT	PASSAGE B	6	6	5	20	44	168
			168EA+36	9'LT	QUEUE A	6	6	3	15	39	107.1
			168EA+36	3'RT	QUEUE B	6	6	4	15	39	132.3
			166EA+25	9'LT	ENTRANCE A	6	6	3	25	49	128.1
			166EA+25	3'RT	ENTRANCE B	6	6	4	15	39	132.3
		TOTALS								782	2,818

ITS REMOVALS

CATEGORY	ROADWAY	ITEM ID	674.0300 REMOVE CABLE LF
1300	I-94 / ELM ROAD		
		EXMH133-EXMH136	340
		EXMH136-EXMH168	3,150
		EXMH168-EXMH193	2,700
		EXMH193-EXMH196	330
		EXMH196-EXMH219	2,260
		EXPB196-1-EXPB196-2	140
		EXPB196-2-EXMB196	100
		TOTALS	9,020

ITS REMOVALS

CATEGORY	ROADWAY	ITEM	DESCRIPTION	204.0210 REMOVING MANHOLES EACH	204.9060.S.2050 REMOVING TEMPORARY VEHICLE DETECTOR ASSEMBLY EACH	653.0905 REMOVING PULL BOXES EACH
1300	IH 94/ELM ROAD					
		EXMH133	MANHOLE	1	--	--
		EXMH136	MANHOLE	1	--	--
		EXMH168	MANHOLE	1	--	--
		EXMH193	MANHOLE	1	--	--
		EXMH196	MANHOLE	1	--	--
		EXPB196-1	PULL BOX	--	--	1
		EXPB196-2	PULL BOX	--	--	1
		EXTMD196	TEMPORARY DETECTOR	--	1	--
		EXMH219	MANHOLE	1	--	--
			TOTALS	6	1	2

3

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	TYPE II SIGN SIZE W [IN.] x H [IN.]	637.2210 SIGNS TYPE II REFLECTIVE H [SF]	637.2230 SIGNS TYPE II REFLECTIVE F SF	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING	634.0618 WOOD POSTS 4"X 6"x18' [EA]	634.0622 WOOD POSTS 4 X 6 X 22' (EA)	634.0885 POSTS TUBULAR STEEL 2 X 2 INCH X 8.5 FT [EA]	638.2102 MOVE SIGNS TYPE II [EA]	638.2602 REMOVING SIGNS TYPE II EA	638.3000 REMOVING SMALL SIGN SUPPORTS (EA)	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION	TYPE I SIGN SIZE W [FT.] x H [FT.]	637.1220 SIGNS TYPE I REFLECTIVE SH SF	638.2101 MOVING SIGNS TYPE I I [EA]	638.2601 REMOVING SIGNS TYPE I EA	638.3100 REMOVING STRUCTURAL STEEL SIGN SUPPORTS EA	STEEL POST TYPE	636.0100 SIGN NO. SUPPORTS CONCRETE MASONRY [CY]	636.0500 SIGN SUPPORTS STEEL REINF. [LBS]	635.0200 SIGN SUPPORTS STRUCTURAL STEEL HS [EST.LBS]	INFO ONLY-POST LENGTHS TO BE VERIFIED BY CONTRACTOR: POST NO 1 LENGTH [FT]	POST NO 2 LENGTH [FT]	OFF SET DISTANCE [FT]	DIST BTWN POSTS "S" [FT]
1	D12-5	--					2		--	1		2	--	--	x		--			--	--	--	--	--	--	--	--
2	D10-5(5)	W (94 SHIELD) 324/8	21 x 60	8.75			--		1	--	1	1	--	ON TOP OF BARRIER WALL	x		--			--	--	--	--	--	--	--	--
3	D10-5(5)	W (94 SHIELD) 324/8	21 x 60	8.75			--		--	--	1	1	#2	--	x		--			--	--	--	--	--	--	--	--
4	E1-1A	TO 241, SEVEN MILE RD 1 MILE	-- x --	--					--	--			--	--	22 x 10.5	231.00				B	1.6	98	1000	--	--	17. 5 TO 30 FEET	--
4A	E1-5P	EXIT 326	-- x --	--			--		--	--			--	--	10 X 2.5	25.00	1			--	--	--	--	--	--	--	--
5	W4-1(5)	--	48 x 48		16.00		2		--	--			--	--	x		--			--	--	--	--	--	--	--	--
6	D10-5(5)	W (94 SHIELD) 324/6	21 x 60	8.75			--		1	--			--	ON TOP OF BARRIER WALL	x		--			--	--	--	--	--	--	--	--
7	D10-5(5)	W (94 SHIELD) 324/6	21 x 60	8.75			--		--	--			#6	--	x		--			--	--	--	--	--	--	--	--
8	R5-57(5)	--	36 x 36	9.00			1		--	--			--	--	x		--			--	--	--	--	--	--	--	--
9	NOT USED	--					--		--	--			--		x		--			--	--	--	--	--	--	--	--
10	NOT USED	--					--		--	--			--		x		--			--	--	--	--	--	--	--	--
11	NOT USED	--					--		--	--			--		x		--			--	--	--	--	--	--	--	--
12	NOT USED	--	-- --	--			--		--	--			--	--	x		--			--	--	--	--	--	--	--	--
13	NOT USED	--	-- --	--			--		--	--			--	--	x		--			--	--	--	--	--	--	--	--
14	NOT USED	--	-- --	--			--		--	--			--	--	x		--			--	--	--	--	--	--	--	--
15	NOT USED	--	-- --	--			--		--	--			--	--	x		--			--	--	--	--	--	--	--	--
16	R3-2(2S)	--	24 x 24	4.00			1		--	--			--	--	x		--			--	--	--	--	--	--	--	--
17	R5-1A(3)	--	42 x 30	8.75			1		--	--			--	--	x		--			--	--	--	--	--	--	--	--
18	R5-1A(3)	--	42 x 30	8.75			1		--	--			--	--	x		--			--	--	--	--	--	--	--	--
19	R3-8D(2M)	--	36 x 30	7.50			1		--	--			--	--	x		--			--	--	--	--	--	--	--	--
20	D1-1(MOD)	TO 27 TH ST [A]	72 X 15	7.50			2		--	--			--	--	x		--			--	--	--	--	--	--	--	--
21	D2-1		-- x -	--			2		--	1		2	--	--	13 x 3	39.00	--			A	1.2	68	600	--	--	--	9
22	W9-1R(5)	--	48 x 48		16.00		1		--	--			--	COVER SIGN TEMPORARILY - INCIDENTAL TO SIGN	x		--			--	--	--	--	--	--	--	--
23	D10-5(5)	W (94 SHIELD) 324/4	21 x 60	8.75			--		1	--	1	1	--	MOUNT ON TOP OF BARRIER WALL	x		--			--	--	--	--	--	--	--	--
24	D10-5(5)	W (94 SHIELD) 324/4	21 x 60	8.75			--		--	--	1	1	#23	--	x		--			--	--	--	--	--	--	--	--
25	W4-2R(5)	--	48 x 48		16.00		1		--	--			--	COVER SIGN TEMPORARILY	x		--			--	--	--	--	--	--	--	--
26	D10-5(5)	W (94 SHIELD) 324/2	21 x 60	8.75			--		1	--	1	1	--	MOUNT ON TOP OF BARRIER WALL	x		--			--	--	--	--	--	--	--	--
27	D10-5(5)	W (94 SHIELD) 324/2	21 x 60	8.75			--		--	--	1	1	#23	--	x		--			--	--	--	--	--	--	--	--
28	W5-53(2S)	--	4 x 12		0.33		1		--	--			--	4 FOOT MOUNTING HEIGHT	x		--			--	--	--	--	--	--	--	--
29	E5-1A(5)	EXIT 324 [A]	90 x 60	37.50			2		--	--			--	MOUNT ON TOP OF BARRIER WALL	x		--			--	--	--	--	--	--	--	--
29A	W5-54(2S)		18 X 18		2.25								29														
29B	W5-54(2S)		18 X 18		2.25								29														
30	W3-1(2S)	--	36 x 36		9.00		1		--	--			--	--	x		--			--	--	--	--	--	--	--	--

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	MISCELLANEOUS QUANTITIES PERMANENT SIGNING	SHEET: E

FILE NAME : N:SPO\OPERATIONS\SIGNING\MISCELLANEOUS QUANTITIES\1030-20-87\030501_MQ.PPTX PLOT DATE : _6-7-18_____ PLOT BY : ____DOTTAH PLOT NAME : 030501_mq.pdf PLOT SCALE : 1:1

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	TYPE II SIGN SIZE W [IN.] x H [IN.]	637.2210 SIGNS TYPE II REFLECTIVE H [SF]	637.2230 SIGNS TYPE II REFLECTIVE F SF	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING	634.0618 WOOD POSTS 4"X 6"x18' [EA]	634.0622 WOOD POSTS 4 X 6 X 22' (EA)	634.0885 POSTS TUBULAR STEEL 2 X 2 INCH X 8.5 FT [EA]	638.2102 MOVE SIGNS TYPE II [EA]	638.2602 REMOVING SIGNS TYPE II EA	638.3000 REMOVING SMALL SIGN SUPPORTS (EA)	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION	TYPE I SIGN SIZE W [FT.] x H [FT.]	637.1220 SIGNS TYPE I REFLECTIVE SH SF	638.2101 MOVING SIGNS TYPE I I [EA]	638.2601 REMOVING SIGNS TYPE I EA	638.3100 REMOVING STRUCTURAL STEEL SIGN SUPPORTS EA	STEEL POST TYPE	636.0100 SIGN NO. SUPPORTS CONCRETE MASONRY [CY]	636.0500 SIGN SUPPORTS STEEL REINF. [LBS]	635.0200 SIGN SUPPORTS STRUCTURAL STEEL HS [EST.LBS]	INFO ONLY-POST LENGTHS TO BE VERIFIED BY CONTRACTOR: POST NO 1 LENGTH [FT]	POST NO 2 LENGTH [FT]	OFF SET DISTANCE [FT]	DIST BTWN POSTS "S" [FT]
31	D1-1(MOD)	ELM RD [A] EAST WEST [A]	78 x 24	13.00			2		--	--			--	COVER EAST AND LEFT ARROW PERMANENTLY 78 X 12 GREEN HI SHEETING FOR COVER	x		--			--	--	--	--	--	--	--	--
32	J3-1(2)	--	24 x 57	9.50			1		--	--			--	--	x		--			--	--	--	--	--	--	--	--
	M4-5	--	24 x 12	--			--		--	--			--	--	x		--			--	--	--	--	--	--	--	--
	M1-6	STH 241	24 x 24	--			--		--	--			--	--	x		--			--	--	--	--	--	--	--	--
	M6-1	--	21 x 21	--			--		--	--			--	--	x		--			--	--	--	--	--	--	--	--
33		* NOT USED *	-- x --	--			--		--	--			--	* NOT USED *	x		--			--	--	--	--	--	--	--	--
34	D10-5(5)	W (94 SHIELD) 324/0	21 x 60	8.75			--		1	--	1	1	--	MOUNT ON TOP OF BARRIER WALL	x		--			--	--	--	--	--	--	--	--
35	D10-5(5)	W (94 SHIELD) 324/0	21 x 60	8.75			--		--	--	1	1	#34	--	x		--			--	--	--	--	--	--	--	--
36	M1-94(MOD)	OAKWOOD RD 10300 SOUTH	90 x 30	18.75			2		--	--	1	2	--	--	x		--			--	--	--	--	--	--	--	--
37	M1-94(MOD)	OAKWOOD RD 10300 SOUTH	90 x 30	18.75			2		--	--	1	2	--	--	x		--			--	--	--	--	--	--	--	--
38	D10-5(5)	W (94 SHIELD) 323/8	21 x 60	8.75			--		1	--	1	1	--	MOUNT ON TOP OF BARRIER WALL	x		--			--	--	--	--	--	--	--	--
39	D10-5(5)	W (94 SHIELD) 323/8	21 x 60	8.75			--		--	--	1	1	38	--	x		--			--	--	--	--	--	--	--	--
40	W5-52R(3)	--	18 x 54		6.75		1		--	--			--	4' MOUNTING HEIGHT	x		--			--	--	--	--	--	--	--	--
41	W5-52R(3)	--	18 x 54		6.75				1	--			--	4' MOUNTING HEIGHT	x		--			--	--	--	--	--	--	--	--
42	E1-1A	TO [241] ELM ROAD [A] TO 27TH ST 3/4 MILE	-- x --	--					--	--			--		16 x 13.5	216.00				C	1.8	100	1600	--	--	17. 5 TO 30 FEET	--
42A	E1-5P	EXIT 324	-- x --	--			--		--	--			--	--	10 x 2.5	25.00	1			--	--	--	--	--	--	--	--
43	W23-2(3)	--	36 x 36		9.00		1		--	--			--	18"x18" FLAGS INCIDENTAL	x		--			--	--	--	--	--	--	--	--
44	W23-2(3)	--	36 x 36		9.00		1		--	--			--	18"x18" FLAGS INCIDENTAL	x		--			--	--	--	--	--	--	--	--
45	J2-1(3)	--	72 x 84	42.00			2		--	--			--	--	x		--			--	--	--	--	--	--	--	--
	MB4-5	--	36 x 18	--			--		--	--			--	--	x		--			--	--	--	--	--	--	--	--
	M1-1	IH 41	36 x 36	--			--		--	--			--	--	x		--			--	--	--	--	--	--	--	--
	MB5-1R	--	30 x 30	--			--		--	--			--	--	x		--			--	--	--	--	--	--	--	--
	MB4-5		36 X 18	--																							
	M1-1	IH 94	36 X 36	--																							
	MB5-1R		30 X 30																								
45A	MB3-2	EAST	36 x 18	4.50					--	--			--	TEMP. PLAQUE ABOVE ASSEMBLY	x		--			--	--	--	--	--	--	--	--
45B	MB3-3	SOUTH	36 X 18	4.50																							
46	W2-1(3)	--	36 x 36		9.00		1		--	--			--	18" X 18" FLAGS INCIDENTAL	x		--			--	--	--	--	--	--	--	--
47	W2-1(3)	--	36 x 36		9.00		1		--	--			--	18" X 18" FLAGS INCIDENTAL	x		--			--	--	--	--	--	--	--	--
48	D1-61	ELM RD [A] [A]	60 x 30	12.50			2		--	--			--	--	x		--			--	--	--	--	--	--	--	--
49	J3-1(3)	--	72 x 84	42.00			2		--	--			--	--	x		--			--	--	--	--	--	--	--	--
	MB4-5	--	36 x 18	--			--		--	--			--	--	x		--			--	--	--	--	--	--	--	--
	M1-1	IH 41	36 x 36	--			--		--	--			--	--	x		--			--	--	--	--	--	--	--	--
	MB6-1	--	30 x 30	--			--		--	--			--	--	x		--			--	--	--	--	--	--	--	--
	MB4-5		36 X 18	--																							
	M1-1	IH 94	36 X 36																								
	MB6-1		30 X 30																								
49A	MB3-2	EAST	36 x 18	4.50					--	--			--	TEMP. PLAQUE ABOVE ASSEMBLY	x		--			--	--	--	--	--	--	--	--
49B	MB3-3	SOUTH	36 X 18	4.50																							
50	R5-1A(3)	--	42 x 30	8.75			1		--	--			--	--	x		--			--	--	--	--	--	--	--	--
51	R5-1(3)	--	36 x 36	9.00			1		--	--			--	--	x		--			--	--	--	--	--	--	--	--
52	W11-2(2S)	--	30 x 30		6.25		1		--	--			--	--	x		--			--	--	--	--	--	--	--	--
53	W16-7L(2S)	--	24 x 12		2.00		--		--	--			#52	--	x		--			--	--	--	--	--	--	--	--
54	W12-1D(2M)	--	24 x 24		4.00		1		--	--			--	2' MOUNTING HEIGHT	x		--			--	--	--	--	--	--	--	--
55	R1-2(2M)	--	48 X 42	7.00			1		--	--			--	--	x		--			--	--	--	--	--	--	--	--
56	R6-2L(2S)	--	24 x 30	5.00			1		--	--			--	--	x		--			--	--	--	--	--	--	--	--
57	NOT USED	--							--	--			--		x		--			--	--	--	--	--	--	--	--
58	NOT USED	--					--		--	--				--	x		--			--	--	--	--	--	--	--	--
59	NOT USED	--							--	--			--		x		--			--	--	--	--	--	--	--	--
60	NOT USED	--					--		--	--				--	x		--			--	--	--	--	--	--	--	--

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	TYPE II SIGN SIZE W [IN.] x H [IN.]	637.2210 SIGNS TYPE II REFLECTIVE H [SF]	637.2230 SIGNS TYPE II REFLECTIVE F SF	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING	634.0618 WOOD POSTS 4"X 6"x18' [EA]	634.0622 WOOD POSTS 4 X 6 X 22' (EA)	634.0885 POSTS TUBULAR STEEL 2 X 2 INCH X 8.5 FT [EA]	638.2102 MOVE SIGNS TYPE II [EA]	638.2602 REMOVING SIGNS TYPE II EA	638.3000 REMOVING SMALL SIGN SUPPORTS (EA)	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION	TYPE I SIGN SIZE W [FT.] x H [FT.]	637.1220 SIGNS TYPE I REFLECTIVE SH SF	638.2101 MOVING SIGNS TYPE I I [EA]	638.2601 REMOVING SIGNS TYPE I EA	638.3100 REMOVING STRUCTURAL STEEL SIGN SUPPORTS	STEEL POST TYPE	636.0100 SIGN NO. SUPPORTS CONCRETE MASONRY [CY]	636.0500 SIGN SUPPORTS STEEL REINF. [LBS]	635.0200 SIGN SUPPORTS STRUCTURAL STEEL HS [EST.LBS]	INFO ONLY-POST LENGTHS TO BE VERIFIED BY CONTRACTOR: POST NO 1 LENGTH [FT]	POST NO 2 LENGTH [FT]	OFF SET DISTANCE [FT]	DIST BTWN POSTS "S" [FT]
61	R4-7(3)	--	36 x 48	12.00			1		--	--			--	--	X		--		--	--	--	--	--	--	--	--
62	R6-2L(2S)	--	24 x 30	5.00			1		--	--			--	--	X		--		--	--	--	--	--	--	--	--
63	R1-1(3)	--	36 x 36	7.46			1		--	--			--	--	X		--		--	--	--	--	--	--	--	--
64	R6-3(2S)	--	30 x 24	5.00			--		--	--			#63	--	X		--		--	--	--	--	--	--	--	--
65	R6-2L(2S)	--	24 x 30	5.00			1		--	--	1		--	--	X		--		--	--	--	--	--	--	--	--
66	R1-2(2M)	--	48 X 42	7.00			1		--	--			--		X		--		--	--	--	--	--	--	--	--
67	R4-7(3)	--	36 x 48	12.00			1		--	--			--	--	X		--		--	--	--	--	--	--	--	--
68	R5-1(3)	--	36 x 36	9.00			1		--	--			--	--	X		--		--	--	--	--	--	--	--	--
69	R3-7R(2M)	--	36 X 36	9.00			1		--	--			--		X		--		--	--	--	--	--	--	--	--
70	D1-2	--	78 X 48	26.00			2		--	--				--	X		--		--	--	--	--	--	--	--	--
71	J3-1(2S	--	24 X 57	9.50					--	--			89		X		--		--	--	--	--	--	--	--	--
	M3-3		24 X 12																							
	M1-6	STH 241	24 X 24																							
	M6-1		21 X 21																							
72	NOT USED	--							--	--				--	X		--		--	--	--	--	--	--	--	--
73	J3-1(3)	--	72 x 84	42.00			2		--	--			--	--	X		--		--	--	--	--	--	--	--	--
	MB4-5	--	36 x 18	--			--		--	--			--	--	X		--		--	--	--	--	--	--	--	--
	M1-1	IH 41	36 x 36	--			--		--	--			--	--	X		--		--	--	--	--	--	--	--	--
	MB6-1	--	30 x 30	--			--		--	--			--	--	X		--		--	--	--	--	--	--	--	--
	MB4-5		36 X 18	--																						
	M1-1	IH 94	36 X 36	--																						
	MB6-1		30 X 30	--																						
73A	MB3-2	EAST	36 x 18	4.50					--	--			--	TEMP. PLAQUE ABOVE ASSEMBLY	X		--		--	--	--	--	--	--	--	--
73B	MB3-3	SOUTH	36 X 18	4.50																						
74	W11-2(2S)	--	30 x 30		6.25		1		--	--			--		X		--		--	--	--	--	--	--	--	--
74A	W16-7R(2S)		24 X 12		2.00								74													
75	--	HIGH WATER	-- x --	--			1		--	1		1	--	MOVE FOLDED SIGN TO NEW POST	X		--		--	--	--	--	--	--	--	--
76		* NOT USED *	-- X --	--			--		--	--			--	* NOT USED *	X		--		--	--	--	--	--	--	--	--
77	R5-1A(3)	--	42 x 30	8.75			1		--	--			--	--	X		--		--	--	--	--	--	--	--	--
78	R5-1(3)	--	36 x 36	9.00			1		--	--			--	--	X		--		--	--	--	--	--	--	--	--
79	W9-1R(3)	--	36 x 36		9.00		1		--	--			--	COVER SIGN TEMPORARILY	X		--		--	--	--	--	--	--	--	--
80	J2-1(3)	--	72 x 90	45.00			2		--	--			--	--	X		--		--	--	--	--	--	--	--	--
	MB4-5	--	36 x 18	--			--		--	--			--	--	X		--		--	--	--	--	--	--	--	--
	M1-1	IH 41	36 x 36	--			--		--	--			--	--	X		--		--	--	--	--	--	--	--	--
	M4-20L	--	36 x 36	--			--		--	--			--	--	X		--		--	--	--	--	--	--	--	--
	MB4-5		36 X 18	--																						
	M1-1	IH 94	36 X 36	--																						
	M4-20L		36 X 36	--																						
81	W2-1(3)	--	36 x 36		9.00		1		--	--			--	18 X 18 TEMP FLAGS INCIDENTAL	X		--		--	--	--	--	--	--	--	--
82	W2-1(3)	--	36 x 36		9.00		1		--	--			--	18 X 18 TEMP FLAGS INCIDENTAL	X		--		--	--	--	--	--	--	--	--
83	D1-61	ELM RD [A] [A]	60 x 30	12.50			2		--	--			--	--	X		--		--	--	--	--	--	--	--	--
84	W23-2(3)	--	36 x 36		9.00		1		--	--			--	18 X18 TEMP FLAGS INCIDENTAL	X		--		--	--	--	--	--	--	--	--
85	W23-2(3)	--	36 x 36		9.00		1		--	--			--	18 X 18 TEMP FLAGS INCIDENTAL	X		--		--	--	--	--	--	--	--	--
86	R1-1(3)	--	36 x 36	7.46			1		--	--			--	18 X 18 TEMP FLAGS INCIDENTAL	X		--		--	--	--	--	--	--	--	--
86A	R6-3(2M)		30 X 24	5.00									86	MOUNT UNDER STOP SIGN												
86b	W4-4C(2M)	TRAFFIC ON 241 DOES NOT STOP	24 X 12		2.00								86													
87	R1-1(3)	--	36 x 36	7.46			1		--	--			--	18 X 18 TEMP FLAGS INCIDENTAL	X		--		--	--	--	--	--	--	--	--
87A	R6-3(2M)		30 X 24	5.00									87	MOUNT UNDER STOP SIGN												

SHEET: 3 OF 8

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	MISCELLANEOUS QUANTITIES PERMANENT SIGNING	SHEET:	E

FILE NAME : N:SPO\OPERATIONS\SIGNING\MISCELLANEOUS QUANTITIES\1030-20-87\030501_MQ.PPTX PLOT DATE : _6-7-18_____ PLOT BY : ____DOTTAH PLOT NAME : 030501_mq.pdf PLOT SCALE : 1:1

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	TYPE II SIGN SIZE W [IN.] x H [IN.]	637.2210 SIGNS TYPE II REFLECTIVE H [SF]	637.2230 SIGNS TYPE II REFLECTIVE F SF	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING	634.0618 WOOD POSTS 4"X 6"x18' [EA]	634.0622 WOOD POSTS 4 X 6 X 22' (EA)	634.0885 POSTS TUBULAR STEEL 2 X 2 INCH X 8.5 FT [EA]	638.2102 MOVE SIGNS TYPE II [EA]	638.2602 REMOVING SIGNS TYPE II EA	638.3000 REMOVING SMALL SIGN SUPPORTS (EA)	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION	TYPE I SIGN SIZE W [FT.] x H [FT.]	637.1220 SIGNS TYPE I REFLECTIVE SH	638.2101 MOVING SIGNS TYPE I I [EA]	638.2601 REMOVING SIGNS TYPE I EA	638.3100 REMOVING STRUCTURAL STEEL SIGN SUPPORTS	STEEL POST TYPE	636.0100 SIGN NO. SUPPORTS CONCRETE MASONRY [CY]	636.0500 SIGN SUPPORTS STEEL REINF. [LBS]	635.0200 SIGN SUPPORTS STRUCTURAL STEEL HS [EST.LBS]	INFO ONLY-POST LENGTHS TO BE VERIFIED BY CONTRACTOR: POST NO 1 LENGTH [FT]	POST NO 2 LENGTH [FT]	OFF SET DISTANCE [FT]	DIST BTWN POSTS "S" [FT]
87B	W4-4C(2M)	TRAFFIC ON 241 DOES NOT STOP	24 X 12		2.00								87															
88	R2-1(2S)	SPEED LIMIT 35	24 x 30	5.00			1		--	--			--		x		--		--	--	--	--	--	--	--	--	--	--
89	R2-1(2S)	SPEED LIMIT 35	24 x 30	5.00			1		--	--			--	--	x		--		--	--	--	--	--	--	--	--	--	--
90	--	WEST [94] EAST KEEP KEEP RIGHT RIGHT	-- x --	--			--		--	--			--	--	13 x 7	91.00	--			A	1.2	68	600	--	--	12	
91	W12-1D(2M)	--	24 x 24		4.00		1		--	--			--	2' MOUNTING HEIGHT	x		--			--	--	--	--	--	--	--	--	--
92	W11-2(2S)	--	30 x 30		6.25		1		--	--			--	--	x		--			--	--	--	--	--	--	--	--	--
93	W16-7R(2S)	--	24 x 12		2.00		--		--	--			#92	--	x		--			--	--	--	--	--	--	--	--	--
94	--	EAST [94] [ONLY] [A]					--		--	--			--	INSTALL ON S-40-941 I BEAMS INCIDENTAL	6 x 6	36.00	--			--	--	--	--	--	--	--	--	--
95	R3-20L(2M)	--	24 x 36	6.00			--		--	--			--	INSTALL ON S-40-942 UPRIGHT	x		--			--	--	--	--	--	--	--	--	--
96	R5-1A(3)	--	42 x 30	8.75			1		--	--			--	--	x		--			--	--	--	--	--	--	--	--	--
97	J2-1(2M) M3-3 M1-6 M5-1L	 STH 241 	24 X 57 24 X 12 24 X 24 21 X 21	9.50			1		--	--			--		x					--	--	--	--	--	--	--	--	--
98	--	NORTH [241] 27 TH ST [ONLY] [A]	-- x --	--			--		--	--			--	INSTALL ON S-40-942 I BEAMS INCIDENTAL	5 x 7	35.00	--			--	--	--	--	--	--	--	--	--
99	W3-1(3)	--	36 x 36		9.00		1		--	--			--	18 X 18 TEMP FLAGS INCIDENTAL	x		--			--	--	--	--	--	--	--	--	--
100	W3-1(3)	--	36 x 36		9.00		1		--	--			--	18 X 18 TEMP FLAGS INCIDENTAL	x		--			--	--	--	--	--	--	--	--	--
101	R4-7(2S)	--	24 x 30	5.00			1		--	--			--	--	x		--			--	--	--	--	--	--	--	--	--
102	R5-1(2S)	--	30 x 30	6.25			1		--	--			--	--	x		--			--	--	--	--	--	--	--	--	--
103	R3-7R(2M)	--	36 x 36	9.00					--	--			--	MOUNT ON UPRIGHT OF S-40-942	x		--			--	--	--	--	--	--	--	--	--
104	R3-7R(2M)	--	36 x 36	9.00			1		--	--			--	--	x		--			--	--	--	--	--	--	--	--	--
105	R4-7(2S)	--	24 x 30	5.00			1		--	--			--	--	x		--			--	--	--	--	--	--	--	--	--
106	J2-1(3)	--	72 x 90	45.00			2		--	--			--	--	x		--			--	--	--	--	--	--	--	--	--
	MB3-1	--	36 x 18	--			--		--	--			--	--	x		--			--	--	--	--	--	--	--	--	--
	M1-1	IH 41	36 x 36	--			--		--	--			--	--	x		--			--	--	--	--	--	--	--	--	--
	M4-20L	--	36 x 36	--			--		--	--			--	--	x		--			--	--	--	--	--	--	--	--	--
	MB3-4		36 X 18	--																								
	M1-1	IH 94	36 X 36	--																								
	M4-20L		36 X 36	--																								
107	R5-1(2S)	--	30 x 30	6.25			1		--	--			--	--	x		--			--	--	--	--	--	--	--	--	--
108	--	[94] WEST [A] MILWAUKEE [94] EAST [A] CHICAGO	-- x --	--			--		--	--			--	--	11 x 12	132.00	--			B	1.6	98	1000	--	--	12	
109	W11-2(2S)	--	30 x 30		6.25		1		--	--			--	--	x		--			--	--	--	--	--	--	--	--	--
110	W16-7R(2S)	--	24 x 12		2.00		--		--	--			#109	--	x		--			--	--	--	--	--	--	--	--	--
111	R5-1A(2S)	--	36 x 24	6.00			--		--	--			#130	--	x		--			--	--	--	--	--	--	--	--	--
112	R1-2(2M)	--	48 X 42	7.00			1		--	--			--	--	x		--			--	--	--	--	--	--	--	--	--
113	NOT USED	--					--		--	--			--		x		--			--	--	--	--	--	--	--	--	--

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	TYPE II SIGN SIZE W [IN.] x H [IN.]	637.2210 SIGNS TYPE II REFLECTIVE H [SF]	637.2230 SIGNS TYPE II REFLECTIVE F SF	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING	634.0618 WOOD POSTS 4"X 6"x18' [EA]	634.0622 WOOD POSTS 4 X 6 X 22' (EA)	634.0885 POSTS TUBULAR STEEL 2 X 2 INCH X 8.5 FT [EA]	638.2102 MOVE SIGNS TYPE II [EA]	638.2602 REMOVING SIGNS TYPE II EA	638.3000 REMOVING SMALL SIGN SUPPORTS (EA)	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION	TYPE I SIGN SIZE W [FT.] x H [FT.]	637.1220 SIGNS TYPE I REFLECTIVE SH SF	638.2101 MOVING SIGNS TYPE I I [EA]	638.2601 REMOVING SIGNS TYPE I EA	638.3100 REMOVING STRUCTURAL STEEL SIGN SUPPORTS EA	STEEL POST TYPE	636.0100 SIGN NO. SUPPORTS CONCRETE MASONRY [CY]	636.0500 SIGN SUPPORTS STEEL REINF. [LBS]	635.0200 SIGN SUPPORTS STRUCTURAL STEEL HS [EST.LBS]	INFO ONLY-POST LENGTHS TO BE VERIFIED BY CONTRACTOR: POST NO 1 LENGTH [FT]	POST NO 2 LENGTH [FT]	OFF SET DISTANCE [FT]	DIST BTWN POSTS "S" [FT]
114	NOT USED	--					--		--	--			--		x		--			--	--	--	--	--	--	--	--
115	W11-2(2S)	--	30 x 30		6.25		1		--	--			--	--	x		--			--	--	--	--	--	--	--	--
116	W16-7L(2S)	--	24 x 12		2.00		--		--	--			#115	--	x		--			--	--	--	--	--	--	--	--
117	R2-1(2S)	SPEED LIMIT 35	24 x 30	5.00			1		--	--			--	--	x		--			--	--	--	--	--	--	--	--
118	R5-1A(2S)	--	36 x 24	6.00			1		--	--			--	--	x		--			--	--	--	--	--	--	--	--
119	R5-1(2S)	--	30 x 30	6.25			--		--	--			#117	--	x		--			--	--	--	--	--	--	--	--
120	W11-2(2S)	--	30 x 30		6.25				--	--			231	--	x		--			--	--	--	--	--	--	--	--
121	W16-7R(2S)	--	24 x 12		2.00		--		--	--			#120	--	x		--			--	--	--	--	--	--	--	--
122	R1-1(3)	--	36 x 36	7.46			1		--	--			--	16"x16" FLAGS INCIDENTAL	x		--			--	--	--	--	--	--	--	--
123	R6-3(2S)	--	30 x 24	5.00			--		--	--			#122	--	x		--			--	--	--	--	--	--	--	--
124	R1-1(3)	--	36 x 36	7.46			1		--	--			--	16"x16" FLAGS INCIDENTAL	x		--			--	--	--	--	--	--	--	--
125	R6-3(2S)	--	30 x 24	5.00			--		--	--			#124	--	x		--			--	--	--	--	--	--	--	--
126	W12-1D(2M)	--	24 x 24		4.00		1		--	--			--	2' MOUNTING HEIGHT	x		--			--	--	--	--	--	--	--	--
127	W11-2(2S)	--	30 x 30		6.25		1		--	--			--	--	x		--			--	--	--	--	--	--	--	--
128	W16-7L(2S)	--	24 x 12		2.00		--		--	--			#127	--	x		--			--	--	--	--	--	--	--	--
129	D10-5	--							--	--	1	1	--	--	x		--			--	--	--	--	--	--	--	--
130	R8-7	--							--	--	1	1	--	--	x		--			--	--	--	--	--	--	--	--
131	D1-1	--							--	--	1	2	--	--	x		--			--	--	--	--	--	--	--	--
132	R2-1	--							--	--	1	1	--	--	x		--			--	--	--	--	--	--	--	--
133	R2-1	--							--	--	1	1	--	--	x		--			--	--	--	--	--	--	--	--
134	W91R	--							--	--	1	1	--	--	x		--			--	--	--	--	--	--	--	--
135	W11-2(2S)	--	30 X 30		6.25				--	--	1	1	--	COVER TEMPORARILY	x		--			--	--	--	--	--	--	--	--
136	W16-7R(2S)	--	24 X 12		2.00		--		--	--			#135	COVER TEMPORARILY	x		--			--	--	--	--	--	--	--	--
137	R5-1(2S)	--	30 X 30	6.25			1		--	--	1	1	#135	--	x		--			--	--	--	--	--	--	--	--
138	E1-1A	TO 241, ELM RD, TO 27TH ST, 3/4 MILE	x						--	--			--	--	16 x 13.5	216.00	--			B	1.6	98	1000	--	--	17. 5 TO 30 FEET	--
139	D10-5(5)	WEST 94 MILE 325/0					--		1	1		1		--	x		--			--	--	--	--	--	--	--	--
140	E10-61	TO 241, ELM RD TO 27TH ST EXIT ONLY	-- x --	--			--		--	--			--	MOUNT ON S-40-591 I BEAMS INCIDENTAL	14 x 13	182.00								--	--		--
140A	E1-5F	EXIT 324	-- x --	--			--		--	--			--	--	10 x 2.5	25.00				--	--	--	--	--	--	--	--
141	R11-54F		48 X 30			10.00	2																				
142	R11-54F		48 X 30			10.00	2																				
143	I2-3A	CITY OF OAK CREEK					2			1		2															
144	D12-5(5)										1	2															
145	E6-1	TO 241, ELM RD, TO												MOUNT ON S-40-590	14 X 13	182.00											

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	TYPE II SIGN SIZE W [IN.] x H [IN.]	637.2210 SIGNS TYPE II REFLECTIVE H [SF]	637.2230 SIGNS TYPE II REFLECTIVE F SF	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING	634.0618 WOOD POSTS 4"X 6"x18' [EA]	634.0622 WOOD POSTS 4 X 6 X 22' (EA)	634.0885 POSTS TUBULAR STEEL 2 X 2 INCH X 8.5 FT [EA]	638.2102 MOVE SIGNS TYPE II [EA]	638.2602 REMOVING SIGNS TYPE II EA	638.3000 REMOVING SMALL SIGN SUPPORTS (EA)	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION	TYPE I SIGN SIZE W [FT.] x H [FT.]	637.1220 SIGNS TYPE I REFLECTIVE SH SF	638.2101 MOVING SIGNS TYPE I I [EA]	638.2601 REMOVING SIGNS TYPE I EA	638.3100 REMOVING STRUCTURAL STEEL SIGN SUPPORTS EA	STEEL POST TYPE	636.0100 SIGN NO. SUPPORTS CONCRETE MASONRY [CY]	636.0500 SIGN SUPPORTS STEEL REINF. [LBS]	635.0200 SIGN SUPPORTS STRUCTURAL STEEL HS [EST.LBS]	INFO ONLY-POST LENGTHS TO BE VERIFIED BY CONTRACTOR: POST NO 1 LENGTH [FT]	POST NO 2 LENGTH [FT]	OFF SET DISTANCE [FT]	DIST BTWN POSTS "S" [FT]
		27TH ST, EXIT ONLY												I BEAMS INCIDENTAL													
145A	E1-5P	EXIT 324											145		10 X 2.5	25.00											
146																											
147	W5-53S(2S)		4 X 12		0.33									MOUNT ON WALL . SEE DETAIL													
148	W5-53S(2S)		4 X 12		0.33									MOUNT ON WALL . SEE DETAIL													
149	R3-4										1	1															
150	R3-4A										1																
151	R3-4										1	1															
152	R3-4A										1																
153	J4-3(5)		108 X 54	40.50			2																				
	MB3-3		36 X 18																								
	M1-1	IH 41	36 X 36																								
	MB3-2		36 X 18																								
	M1-1	IH 94	36 X 18																								
	M3-3		36 X 18																								
	M1-4	USH 41	36 X 36																								
154	W5-53S(2S)		4 X 12		0.33									MOUNT ON BARRIER WALL													
155	W5-53S(2S)		4 X 12		0.33									MOUNT ON BARRIER WALL													
156	R2-1(2S)	70 MPH	48 X 60	20.00			2																				
157	D10-5(5)	EAST 94, MILE 326/0							1	1	1																
158	D10-5										1	1															
159	W5-53S(2S)		4 X 12		0.33									MOUNT ON BARRIER WALL													
160	E5-1A(5)		90 X 60	37.50				2																			
160A	W5-54(2S)		18 X 18		2.25								160														
160B	W5-54(2S)		18 X 18		2.25								160														
161	W3-1(2S)		36 X 36		9.00		1																				
162	D12-5(2)		60 X 66	27.50				2																			
163	D1-60(2S)	ELM RD, WEST EAST	78 X 24	13.00										COVER PLAQUE OVER EAST AND ARROW													
														INCIDENTAL													
164	D1-1 MODIFIED	TO 27TH ST	72 X 15	7.50			2																				
165	D12-2B(5)		114 X 48	38.00				2																			
166	R3-8E(2S)		36 X 30	7.50			1																				
167	D10-5										1	1															
168	J3-1(2)		24 X 57	9.50			1																				
	M4-5		24 X 12																								
	M1-6	STH 241	24 X 24																								
	M6-1		21 X 21																								
169	R5-1A(3)		42 X 30	8.75			1																				
170	R5-1A(3)		42 X 30	8.75			1																				
171	J3-1(2)		24 X 45	7.50			1																				
172	D1-2(2S)	FRANKLIN, OAK CREEK	72 X 30	15.00			2							PERMANENT COVER PLAQUE 72" X 12"													
173	D12-2A(5)		78 X 54	29.25			2							INCIDENTAL TO SIGN. HI SHEETING COVER PLAQUE													
174	R5-57(5)		36 X 36	9.00			1																				
175	W4-2R(2S)		36 X 36		9.00		1																				

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	TYPE II SIGN SIZE W x H	637.2210 SIGNS TYPE II REFLECTIVE H	637.2230 SIGNS TYPE II REFLECTIVE F	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING	634.0618 WOOD POSTS 4"X 6"x18'	634.0622 WOOD POSTS 4 X 6 X 22'	634.0885 POSTS TUBULAR STEEL 2 X 2 INCH X 8.5 FT	638.2102 MOVE SIGNS TYPE II	638.2602 REMOVING SIGNS TYPE II	638.3000 REMOVING SMALL SIGN SUPPORTS	MOUNT ON SAME POST AS		TYPE I SIGN SIZE W x H	637.1220 SIGNS TYPE I REFLECTIVE	638.2101 MOVING SIGNS TYPE I I	638.2601 REMOVING SIGNS TYPE I	638.3100 REMOVING STRUCTURAL STEEL SIGN SUPPORTS	STEEL POST	636.0100 SIGN NO. SUPPORTS CONCRETE MASONRY	636.0500 SIGN SUPPORTS STEEL REINF.	635.0200 SIGN SUPPORTS STRUCTURAL STEEL HS	INFO ONLY-POST LENGTHS TO BE VERIFIED BY CONTRACTOR: POST NO 1 LENGTH	POST NO 2 LENGTH	OFF SET DISTANCE	DIST BTWN POSTS "S"
176	W4-1(5)		48 X 48		16.00			2																			
177	R5-1(3)		36 X 36	9.00			1																				
177A	R5-1A(2S)		36 X 24	6.00									177	3 FOOT MOUNTING HEIGHT													
178	R5-1 (3)		36 X 36	9.00			1																				
178A	R5-1A(2S)		36 X 24	6.00									178	3 FOOT MOUNTING HEIGHT													
179	D1-2	OAK CREEK, FRANKLIN	72 X 30	15.00			2							PERMANENT COVER PLAQUE IS INCIDENTAL TO SIGN. 72 X 12 COVER PLAQUE HI SHEETING													
180	D10-2										1	1															
181	D10-5										1	1															
182	E10-61	100 , RYAN RD, 1 MILE													13 X 10.5	136.50		1	2	B	1.6	98	1000	17. 5 TO 30 FEET			
182A	E1-5P	EXIT 322													10 X 2.5	25.00											
183	J4-3(5)		108 54	40.50			2																				
	MB3-1		36 X 18																								
	M1-1	IH 41	36 36																								
	MB3-4		36 X 18																								
	M1-1	IH 94	36 X 36																								
	M3-1		36 X 18																								
	M1-4	USH 41	36 X 36																								
184	R2-1(5)	SPEED LIMIT 70	48 X 60	20.00			2																				
185	NONE	OVERSIZE TRUCKS BYPASS													14 X 6	84.00		1	2	A	1.2	68	600	17.5 TO 30 FEET			
		USE EXIT 322																									
186	D10-5										1	1															
187	W5-52L(5)		18 X 54		6.75		1							4 FOOT MOUNTING HEIGHT													
188	W5-52L(5)		18 X 54		6.75		1							4 FOOT MOUNTING HEIGHT													
189	D10-5										1	1															
190	D10-5										1	1															
191	D10-5(5)	WEST 94, MILE 323/6	21 X 60	8.75					1		1	1															
192	NONE	PARK AND RIDE AND HOSPITAL													12 10.5	126.00		1	2	B	1.6	98	1000	17. 5 TO 30 FEET			
		SIGN. EXIT 322																									
193	D10-5										1	1															
194	D10-5										1	1															
195	R4-3(5)		48 X 60	20.00			2																				
196	R8-7(5)		48 X 36	12.00			1																				
197	D10-5(5)	EAST 94, MILE 323/6	21 X 60	8.75							1	1	191														
198	E8-1	ELM RD 1/2												MOUNT ON S-40-762	20 X 7.5	150.00											
		SEVEN MILE RD 2												I BEAMS INCIDENTAL													
		G 3 1/2																									
199	E8-1	100 RYAN RD 1/2												MOUNT ON S-40-762	21 X 7.5	157.50		1									
		DREXEL AVE 2 1/2												I BEAMS INCIDENTAL													
		BB RAWSON AVE 3 1/2																									
200	D10-5(5)	WEST 94 MILE 323/4	21 X 60	8.75					1		1	1															
201	D10-5(5)	EAST 94 MILE 323/4	21 X 60	8.75							1	1															
202	E10-61	HOSPITAL EXIT 322													12 X 4.5	54.00		1	2	A	1.2	68	600	17.5 TO 30 FEET			
203	D10-5										1	1															
204	D10-5										1	1															

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	MISCELLANEOUS QUANTITIES PERMANENT SIGNING	SHEET:	E

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SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	TYPE II SIGN SIZE W x H [IN.]	637.2210 SIGNS TYPE II REFLECTIVE H [SF]	637.2230 SIGNS TYPE II REFLECTIVE F SF	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING	634.0618 WOOD POSTS 4"X 6"x18' [EA]	634.0622 WOOD POSTS 4 X 6 X 22' (EA)	634.0885 POSTS TUBULAR STEEL 2 X 2 INCH X 8.5 FT [EA]	638.2102 MOVE SIGNS TYPE II [EA]	638.2602 REMOVING SIGNS TYPE II EA	638.3000 REMOVING SMALL SIGN SUPPORTS (EA)	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION	TYPE I SIGN SIZE W x H [FT.]	637.1220 SIGNS TYPE I REFLECTIVE SH SF	638.2101 MOVING SIGNS TYPE I I [EA]	638.2601 REMOVING SIGNS TYPE I EA	638.3100 REMOVING STRUCTURAL STEEL SIGN SUPPORTS EA	STEEL POST TYPE	636.0100 SIGN NO. SUPPORTS CONCRETE MASONRY [CY]	636.0500 SIGN SUPPORTS STEEL REINF. [LBS]	635.0200 SIGN SUPPORTS STRUCTURAL STEEL HS [EST.LBS]	INFO ONLY-POST LENGTHS TO BE VERIFIED BY CONTRACTOR: POST NO 1 LENGTH [FT]	POST NO 2 LENGTH [FT]	OFF SET DISTANCE [FT]	DIST BTWN POSTS "S" [FT]
205	D1-1 MOD														11 x 6	66.00				A	1.2	68	600	12 FEET			
206	R5-1A(2S)		36 X 24	6.00			1																				
207	W5-52R(2S)		12 X 36		6.00		1							4 FOOT MOUNTING HEIGHT													
208	R3-1(2M)		36 X 36	9.00			1																				
209	R5-1A(2S)		30 X 30	6.25									208														
210	R1-1(3)		36 X 36	7.46			1							18 X 18 TEMP FLAGS INCIDENTAL													
210A	R1-3P(3)		24 X 9	1.50									210														
211	R1-1(3)		36 X 36	7.46			1							18 X 18 TEMP FLAGS INCIDENTAL													
211A	R1-3P(3)		24 X 9	1.50									211														
212	R1-1(3)		36 X 36	7.46			1							18 X 18 TEMP FLAGS INCIDENTAL													
212A	R1-3P(3)		24 X 9	1.50									212														
213	R1-1(3)		36 X 36	7.46			1							18 X 18 TEMP FLAGS INCIDENTAL													
213A	R1-3P(3)		24 X 9	1.50									213														
214	W1-6(2S)		48 X 24		8.00		1																				
215	R6-2L(2S)		24 X 30	5.00									214														
216	D13-3		60 X 30	12.50			2																				
217	R3-7R(2M)		36 X 36	9.00			1																				
218	NOT USED																										
219	NOT USED																										
220	R11-54F(2S)		48 X 30	10.00			2																				
221	W5-52R(2S)		12 X 36		3.00		1							4 FOOT MOUNTING HEIGHT													
222	R4-7(2S)		24 X 30	5.00			1																				
223	R6-2L(2M)		30 X 36	7.50			1																				
224	R11-54F(S2)		48 X 30			10.00	2																				
225	W3-1(2S)		36 X 36		9.00		1																				
226	W3-1(2S)		36 X 36		9.00		1																				
227	R4-7(2S)		24 X 30	5.00			1																				
228	J3-2(2S)		48 X 57	19.00			1																				
	M3-1		24 X 12																								
	M1-6	STH 241	24 X 24																								
	M6-1		21 X 21																								
	D9-2		24 X 24																								
	MB6-1		21 X 21																								
229	J4-3										1	2															
230	D10-5										1	1															
231	R5-1(3)		36 X 36	9.00			1																				
232	R5-1(3)		36 X 36	9.00			1																				
233	R5-1A(2S)		36 X 24	6.00									231	3 FOOT MOUNTING HEIGHT													
234	R5-1A(2S)		36 X 24	6.00									232	3 FOOT MOUNTING HEIGHT													
235	R1-2(2M)		48 X 42	7.00			1																				
236	R4-7(2S)		24 X 30	5.00			1																				
237	R6-2R(2S)		24 X 30	5.00			1																				
238	J3-2(2S)		48 X 57	19.00			1																				
	MB3-3		24 X 12																								
	M1-1	IH 41	24 X 24																								
	MB6-2		21 X 21																								
	MB3-2		24 X 12																								
	M1-1	IH 94	24 X 24																								
	MB6-2		21 X 21																								
239	R3-2(2S)		24 X 24	4.00			1																				
240	J4-1(2S)		24 X 57	9.50			1																				
	M4-5		24 X 12																								
	M1-6	STH 241	24 X 24																								
	M6-1		21 X 21																								
241	R4-7(2M)		24 X 30	5.00									87														
242	W11-2(2S)		30 x 30		6.25		1																				
242a	W16--7L (2S)		24 x 12		2.00								242														
243	R10-15R(2S)		30 X 30	6.25			1																				
	TOTALS			1504.140	353.230	30.000	164	8	11	6	44 *	53 *	--	--		2259.000	2	5	8	--	15.8	930	9600				

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

PROJECT 1030-20-87

OVERHEAD SIGN SUPPORTS - MISC QUANTITIES

LOCATION	CATEGORY CODE 6990 641.8100.01 OVERHEAD SIGN SUPPORT STRUCTURE S-40-941 L.S.	CATEGORY CODE 7000 641.8100-02 OVERHEAD SIGN SUPPORT STRUCTURE S-40-942 L.S.
ELM ROAD EASTBOUND AT IH 94	1	
ELM ROAD WESTBOUND AT 27TH STREET		1
TOTAL	1	1

FREEWAY LIGHTING – POLES

SYSTEM	POLE I. D. OR LOCATION	T.BASE AS BREAKAWAY OR SPLICE BOX OR SIGN STRUCTURE FOR INFO. ONLY	CATEGORY BOLT PROJECTION	1100 654.0105 CONCRETE BASES TYPE 5	1100 SPV.0060.1014 CONCRETE BASES TYPE 5 SPECIAL	1100 657.0255 TRANS-FORMER BASES BREAKAWAY 11 1/2 INCH BOLT CIRCLE	1100 657.0322 POLES TYPE 5 -ALUMINUM
				EACH	EACH	EACH	EACH
CONTROLLER HL-40-ER	CER1	BREAKAWAY	3-INCH	1	-	1	1
	DER1	BREAKAWAY	3-INCH	1	-	1	1
	CER2	BREAKAWAY	3-INCH	1	-	1	1
	DER2	NONE	3-INCH	-	-	-	1
	CER3	NONE	3-INCH	-	-	-	1
	AER1	BREAKAWAY	3-INCH	1	-	1	1
	AER2/BER2	BREAKAWAY	3-INCH	1	-	1	1
	BER1	BREAKAWAY	3-INCH	1	-	1	1
	AER3	BREAKAWAY	3-INCH	1	-	1	1
	BER3	SPLICE BOX	4-INCH	-	1	1	1
	AER4	NONE	3-INCH	-	-	-	1
	BER4	NONE	3-INCH	-	-	-	1
	DER3	BREAKAWAY	3-INCH	-	1	1	1
	CER4	BREAKAWAY	3-INCH	1	-	1	1
	AER5						
	BER5	BREAKAWAY	3-INCH	1	-	1	1
	BES5	BREAKAWAY	3-INCH	1	-	1	1
			TOTAL	10	2	12	16

* ADDITIONAL QUANTITIES FOUND ELSEWHERE

SYSTEM	POLE I. D. OR LOCATION	1100 655.0610 ELECTRICAL WIRE LIGHTING 12 AWG	1100 657.0610 LUMINAIRE ARMS SINGLE MEMBER 4 1/2-INCH CLAMP 6-FT	1100 657.0715 LUMINAIRE ARMS TRUSS TYPE 4 1/2-INCH CLAMP 15-FT	1100 659.1125 LUMINAIRES UTILITY LED C
		LF	EACH	EACH	EACH
CONTROLLER HL-40-ER	CER1	135	-	1	1
	DER1	135	-	1	1
	CER2	135	-	1	1
	DER2	135	1	-	1
	CER3	135	1	-	1
	AER1	135	-	1	1
	AER2/BER2	180	2	-	2
	BER1	135	-	1	1
	AER3	135	-	1	1
	BER3	135	-	1	1
	AER4	135	1	-	1
	BER4	135	1	-	1
	DER3	135	-	1	1
	CER4	135	-	1	1
	AER5	135	-	1	1
	BER5	135	-	1	1
TOTAL		2205	6	11	17

FREEWAY LIGHTING – WIRE AND CONDUIT

SYSTEM	FROM	TO	1100 652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	1100 652.0335 CONDUIT RIGID NONMETALLIC SCHEDULE 80 3-INCH LF	1100 655.0620 ELECTRICAL WIRE LIGHTING 8 AWG LF
CONTROLLER	HL-40-ER	LPB801	-	25	130
HL-40-ER	LPB801	CER1	50	-	245
	CER1	LPB803	-	70	340
	LPB803	DER1	60	-	300
	DER1	CER2	170	-	720
	CER2	LJB804	50	-	225
	LJB804	LJB805	-	-	475
	LJB805	DER2	-	-	50
	LJB805	LJB806	-	-	595
	LJB806	CER3	-	-	50
	LJB806	STA 34+45, 60LT	45	-	-
	HL-40-ER	LPB802	-	20	125
	LPB802	AER1	10	-	95
	AER1	AER2/BER2	-	80	350
	AER2/BER2	BER1	-	125	530
	BER1	AER3	120	-	515
	AER3	LPB804	-	65	305
	LPB804	BER3	190	-	820
	BER3	LJB801	40	-	190
	LJB801	LJB802	-	-	510
	LJB802	AER4	-	-	45
	LJB802	LJB803	-	-	650
	CER3	DER3	50	-	360
	DER3	LPB805	105	-	360
	LPB805	CER4	-	65	210
	BER4	AER5	165	-	680
	AER5	BER5	40	-	150
		TOTAL	1095	450	9025

FREEWAY LIGHTING – PULL BOXES

SYSTEM	DESCRIPTION	STATION	CATEGORY OFFSET	1100 653.0140 PULL BOXES STEEL 24X42-INCH EACH
CONTROLLER HL-40-ER	LPB801	STA. 27+80	101LT	1
	LPB802	STA. 27+64	68LT	1
	LPB803	STA. 162+60 (RAMP ED)	33RT	1
	LPB804	STA. 158+80 (RAMP EC)	33RT	1
	LPB805	STA. 167EA+20	26LT	1
			TOTAL	5

FREEWAY LIGHTING – DISTRIBUTION CENTER AND LUMP SUM

CATEGORY	1100	1100	1100	1100	1100	1100
DESCRIPTION	654.0230 CONCRETE CONTROL CABINET BASES TYPE L30	656.0400.0008 ELECTRICAL SERVICE MAIN LUGS ONLY METER PEDESTAL HL-40-ES	659.2230 LIGHTING CONTROL CABINETS 240/480 30-INCH	SPV.0105.1012 LIGHTING SYSTEM INTEGRATOR 1030-20-87	SPV.0105.1032 LIGHTING SYSTEM SURVEY 1030-20-87	SPV.0105.1022 MAINTENANCE OF LIGHTING SYSTEMS 1030-20-87
	EACH	LS	EACH	LS	LS	LS
DISTRIBUTION CENTER HL-40-ER	1	1	1	-	-	-
CONTRACT 1030-20-87	-	-	-	1	1	1
TOTAL	1	1	1	1	1	1

* ADDITIONAL QUANTITIES FOUND ELSEWHERE

DISTRIBUTION CENTER PLAQUES
(2) - 480V WARNING
(1) - HL-40-ER
(1) - ELM ROAD
(1) - RAMP GATE DERIVED

PROJECT NO: 1030-20-87	HWY: IH 94/ELM ROAD	COUNTY: MILWAUKEE	MISCELLANEOUS QUANTITIES	SHEET:	E

TRAFFIC CONTROL ITEMS

CATEGORY	ROADWAY	STAGE DURATION DAYS	643.0300 TRAFFIC CONTROL DRUMS EACH**	643.0300 TRAFFIC CONTROL DRUMS DAYS	643.0420 TRAFFIC CONTROL BARRICADES TYPE III EACH**	643.0420 TRAFFIC CONTROL BARRICADES TYPE III DAYS	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A EACH**	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A DAYS	643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C EACH**	643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C DAYS	643.0800 TRAFFIC CONTROL ARROW BOARDS EACH*	643.0800 TRAFFIC CONTROL ARROW BOARDS DAYS	643.0900 TRAFFIC CONTROL SIGNS EACH**	643.0900 TRAFFIC CONTROL SIGNS DAYS	643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE II EACH	643.1050 TRAFFIC CONTROL SIGNS PCMS EACH*	643.1050 TRAFFIC CONTROL SIGNS PCMS DAY	643.1051 TRAFFIC CONTROL SIGNS PCMS WITH CELLULAR COMMUNICATIONS EACH*	643.1051 TRAFFIC CONTROL SIGNS PCMS WITH CELLULAR COMMUNICATIONS DAY	643.1055.S TRUCK OR TRAILER MOUNTED ATTENUATOR EACH*	643.1055.S TRUCK OR TRAILER MOUNTED ATTENUATOR DAY	638.2101 MOVING SIGNS TYPE I EACH	638.2102 MOVING SIGNS TYPE II EACH	SPV.0060.0026 FIXED MESSAGE SIGN PORTABLE SUPPORT SPECIAL EACH
1000	STAGE 1A	24																							
	IH 94		91	2,184	7	168	14	336	--	--	--	--	12	288	--	2	48	--	--	--	--	--	--	--	--
	STAGE 1A SUBTOTALS			2,184		168		336		--		--		288	--		48		--		--	--	--	--	--
	STAGE 1B	35																							
	IH 94		51	1,785	11	385	16	560	--	--	--	--	29	1,015	--	2	70	--	--	--	--	1	8	--
	27TH STREET		82	2,870	12	420	8	280	23	805	2	70	19	665	--	2	70	--	--	--	--	--	--	--
	OAKWOOD ROAD		--	--	18	630	36	1,260	--	--	--	--	15	525	--	2	70	--	--	--	--	--	--	--
	DETOUR		--	--	--	--	--	--	--	--	--	--	77	2,695	--	2	70	--	--	--	--	--	--	--
	STAGE 1B SUBTOTALS			4,655		1,435		2,100		805		70		4,900	--		280		--		--	1	8	--
	STAGE 1C	37																							
	IH 94		58	2,146	3	111	--	--	--	--	--	--	13	481	--	2	74	--	--	--	--	--	--	--
	27TH STREET		82	3,034	12	444	24	888	23	851	2	74	21	777	--	2	74	--	--	--	--	--	--	--
	OAKWOOD ROAD		--	--	18	666	36	1,332	--	--	--	--	15	555	--	2	74	--	--	--	--	--	--	--
	DETOUR		--	--	--	--	--	--	--	--	--	--	77	2,849	--	2	74	--	--	--	--	--	--	--
	STAGE 1C SUBTOTALS			5,180		1,221		2,220		851		74		4,662	--		296		--		--	--	--	--
	STAGE 2	224																							
	IH 94		58	12,992	3	672	--	--	--	--	--	--	15	3,360	--	2	448	--	--	--	--	1	--	--
	27TH STREET		13	2,912	10	2,240	20	4,480	--	--	--	--	6	1,344	--	2	448	--	--	--	--	--	--	--
	OAKWOOD ROAD		--	--	18	4,032	36	8,064	--	--	--	--	15	3,360	--	2	448	--	--	--	--	--	--	--
	DETOUR		--	--	--	--	--	--	--	--	--	--	77	17,248	--	2	448	--	--	--	--	--	--	--
	STAGE 2 SUBTOTALS			15,904		6,944		12,544		--		--		25,312	--		1,792		--		--	1	--	--
	STAGE 3	35																							
	IH 94		113	3,955	7	245	8	280	--	--	--	--	16	560	--	2	70	--	--	--	--	1	--	--
	27TH STREET		27	945	10	350	20	700	--	--	--	--	12	420	--	2	70	--	--	--	--	--	--	--
	OAKWOOD ROAD		--	--	18	630	36	1,260	--	--	--	--	15	525	--	2	70	--	--	--	--	--	--	--
	DETOUR		--	--	--	--	--	--	--	--	--	--	77	2,695	--	2	70	--	--	--	--	--	--	--
	STAGE 3 SUBTOTALS			4,900		1,225		2,240		--		--		4,200	--		280		--		--	1	--	--
	STAGE 4	133																							
	IH 94		98	13,034	7	931	8	1,064	--	--	--	--	16	2,128	--	2	266	--	--	--	--	1	4	5
	27TH STREET		27	3,591	10	1,330	20	2,660	--	--	--	--	12	1,596	--	2	266	--	--	--	--	--	--	--
	OAKWOOD ROAD		--	--	18	2,394	36	4,788	--	--	--	--	15	1,995	--	2	266	--	--	--	--	--	--	--
	DETOUR		--	--	--	--	--	--	--	--	--	--	77	10,241	--	2	266	--	--	--	--	--	--	--
	STAGE 4 SUBTOTALS			16,625		4,655		8,512		--		--		15,960	--		1,064		--		--	1	4	5
	STAGE 5	189																							
	IH 94		264	49,896	17	3,213	28	5,292	--	--	--	--	18	3,402	2	2	378	--	--	--	--	--	--	--
	27TH STREET		30	5,670	6	1,134	12	2,268	15	2,835	--	--	20	3,780	10	2	378	--	--	--	--	--	--	--
	STAGE 5 SUBTOTALS			55,566		4,347		7,560		2,835		--		7,182	12		756		--		--	--	--	--
	UNDISTRIBUTED			5,251		1,000		1,776		225		8		3,126	18		226		100		30	1	1	1
	TOTALS			110,265		20,995		37,288		4,716		152		65,630	30		4,742		100		30	5	13	6
																						*	*		

** FOR INFORMATION ONLY

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

PROJECT NO:1030-20-87	HWY:IH 94	COUNTY: MILWAUKEE	MISCELLANEOUS QUANTITIES	SHEET:	E

CONCRETE BARRIER TEMPORARY PRECAST ITEMS

CATEGORY	STAGE	ROADWAY	FROM STATION	FROM OFFSET	TO STATION	TO OFFSET	603.8000 CONCRETE BARRIER TEMPORARY PRECAST DELIVERED LF	603.8125 CONCRETE BARRIER TEMPORARY PRECAST INSTALLED LF	SPV.0090.0010 TEMPORARY GLARE SCREEN LF
1000	1A	IH 94	218+50.45	62.00' RT	220+00.00	56.00' RT	150	150	--
	SUBTOTALS						150	150	--
	1B	IH 94	131+34.26	38.00' RT	220+00.00	56.00' RT	8,725	8,875	--
	SUBTOTALS						8,725	8,875	--
	1C	IH 94	131+34.26	77.10' RT	133+52.25	86.68' RT	212.5	212.5	--
		IH 94	188+00.00	134.12' RT	194+58.00	124.13' RT	662.5	662.5	--
		IH 94	214+00.00	44.00' RT	220+00.00	42.00' RT	--	600	--
		IH 94	215+00.00	16.50' LT	220+00.00	16.50' LT	500	500	--
		IH 94	218+50.50	79.00' RT	220+00.00	63.00' RT	150	150	--
	SUBTOTALS						1,525	2,125	--
	2	IH 94	131+34.26	38.00' RT	220+00.00	42.00' RT	--	--	8,875
		IH 94	137+95.25	45.75' RT	194+48.00	48.90' RT	5,650	5,650	--
		IH 94	195+94.50	32.30' RT	196+99.00	17.00' RT	100	100	--
		IH 94	215+81.50	4.00' RT	220+00.00	9.00' LT	425	425	--
	SUBTOTALS						6,175	6,175	8,875
	3	IH 94	131+34.26	38.25' LT	220+00.00	42.25' LT	8,875	8,875	--
		IH 94	150+83.00	79.25' LT	173+83.60	81.25' LT	2,300	2,300	--
		IH 94	191+25.40	81.25' LT	193+95.00	76.90' LT	275	275	--
		IH 94	200+14.50	75.25' LT	202+50.00	79.25' LT	250	250	--
	SUBTOTALS						11,700	11,700	--
	4	IH 94	131+34.26	0.75' RT	132+81.90	3.25' LT	150	150	--
		IH 94	131+34.26	38.25' LT	220+00.00	42.25' LT	--	--	8,875
	SUBTOTALS						150	150	8,875
	5	IH 94	149+00.00	65.25' LT	181+00.00	65.25' LT	1,225	3,200	--
		IH 94	190+00.00	65.25' LT	204+00.00	65.25' LT	1,400	1,400	--
	SUBTOTALS						2,625	4,600	--
	TOTALS						31,050	33,775	17,750

CRASH CUSHION TEMPORARY

CATEGORY	ROADWAY	STATION	OFFSET	614.0905 CRASH CUSHION TEMPORARY EACH	BACK WIDTH FT	OBJECT MARKING PATTERN	CRASH TEST LEVEL	DIRECTION OF TRAVEL	TRAFFIC LOCATION	CRASH CUSHION SHIELD
1000	STAGE 1A									
	IH 94	218+50.45	62.00' RT	1	2	OM-3R (W5-5 8R SIGN PLATE)	TL-3	UNIDIRECTIONAL	LEFT	TEMPORARY CONCRETE BARRIER SHOULDER
	STAGE 1A SUBTOTAL			1						
	STAGE 1C									
	IH 94	188+00.00	234.12' RT	1	2	OM-3R (W5-5 8R SIGN PLATE)	TL-3	UNIDIRECTIONAL	LEFT	TEMPORARY CONCRETE BARRIER SHOULDER
	IH 94	218+50.50	79.00' RT	1	2	OM-3R (W5-5 8R SIGN PLATE)	TL-3	UNIDIRECTIONAL	LEFT	TEMPORARY CONCRETE BARRIER SHOULDER
	STAGE 1B SUBTOTAL			2						
	STAGE 2									
	IH 94	196+99.00	17.00' RT	1	2	OM-3R (W5-5 8R SIGN PLATE)	TL-3	UNIDIRECTIONAL	LEFT	TEMPORARY CONCRETE BARRIER SHOULDER
	STAGE 2 SUBTOTAL			1						
	STAGE 3									
	IH 94	173+83.60	81.25' LT	1	2	OM-3R (W5-5 8R SIGN PLATE)	TL-3	UNIDIRECTIONAL	LEFT	TEMPORARY CONCRETE BARRIER SHOULDER
	IH 94	202+50.00	79.25' LT	1	2	OM-3R (W5-5 8R SIGN PLATE)	TL-3	UNIDIRECTIONAL	LEFT	TEMPORARY CONCRETE BARRIER SHOULDER
	STAGE 3 SUBTOTAL			2						
	STAGE 5									
	IH94	181+00.00	65.25' LT	1	2	OM-3C (W5-58M SIGN PLATE)	TL-3	BIDIRECTIONAL	BOTH	TEMPORARY CONCRETE BARRIER SHOULDER
		204+00.00	65.25' LT	1	2	OM-3R (W5-5 8R SIGN PLATE)	TL-3	UNIDIRECTIONAL	LEFT	TEMPORARY CONCRETE BARRIER SHOULDER
	STAGE 5 SUBTOTAL			2						
	UNDISTRIBUTED (INGRESS/EGRESS)			3						
	TOTAL			11						

TRAFFIC CONTROL CLOSURE ITEMS

CATEGORY	STAGE	LOCATION	643.4100.S TRAFFIC CONTROL INTERIM LANE CLOSURE EACH	SPV.0060.0037 TRAFFIC CONTROL CLOSE-OPEN FREEWAY ENTRANCE RAMP EACH
1000	ALL	PROJECT	300	30
	TOTALS		300	30

TRAFFIC CONTROL SIGNS FIXED MESSAGE

CATEGORY	ROADWAY	SIGN #	NUMBER REQUIRED	SIGN SIZE W X H FT X FT	643.1000 TRAFFIC CONTROL SIGNS FIXED MESSAGE SF	SIGN MESSAGE
1000	LOCAL	100	28	3.5 X 1	98	OAKWOOD
	TOTAL				98	

PROJECT NO:1030-20-87	HWY:IH 94	COUNTY: MILWAUKEE	MISCELLANEOUS QUANTITIES	SHEET:	E

3

TRAFFIC CONTROL

CATEGORY	PROJECT	643.5000 TRAFFIC CONTROL EACH
1000	1030-20-87	0.3
	TOTAL	0.3

MARKING REMOVAL

CATEGORY	STAGE	646.9210 MARKING REMOVAL LINE WATER BLASTING WIDE LF	COMMENTS
1000	5	460	RAMP GORE CHEVRONS
	TOTALS	460	

TEMPORARY EMERGENCY PULLOUTS

CATEGORY	STAGE	LOCATION	205.3000.S TEMPORARY EMERGENCY PULLOUTS ID 1030-20-87 EACH	** BASE AGGREGATE DENSE TON	** SIGNS EACH	** PERMANENT SIGN SUPPORTS EACH	COMMENTS
1000	ALL	IH 94	2	PER PULLOUT			
		DETERMINED BY ENGINEER IN FIELD		400	2	2	12' WIDTH
	TOTAL		2				

** FOR INFORMATION ONLY
LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD

TRAFFIC CONTROL PAVEMENT MARKING

CATEGORY	LOCATION	649.0120 TEMPORARY MARKING LINE EPOXY 4-INCH YELLOW LF	649.0120 TEMPORARY MARKING LINE EPOXY 4-INCH WHITE LF	649.0120 TEMPORARY MARKING LINE EPOXY 4-INCH 12.5 FT LINE, 37.5 FT SKIP WHITE LF	649.0220 TEMPORARY MARKING LINE EPOXY 8-INCH WHITE LF	649.0220 TEMPORARY MARKING LINE EPOXY 8-INCH 3 FT LINE 9 FT SKIP WHITE LF	649.0150 TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH YELLOW LF	649.0150 TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH WHITE LF	649.0520 TEMPORARY MARKING ARROW EPOXY WHITE TYPE 5
1000	STAGE 1A								
	IH 94	--	--	--	--	--	8,865	13,295	--
	STAGE 1A SUBTOTALS	--	--	--	--	--	8,865	13,295	--
	STAGE 1B								
	IH 94	8,865	10,465	4,032	--	--	--	--	--
	27TH STREET	1,045	--	--	--	--	2,143	--	--
	STAGE 1B SUBTOTALS	9,910	10,465	4,032	--	--	2,143	--	--
	STAGE 1C								
	IH 94	8,865	8,865	4,432	--	--	--	--	--
	27TH STREET	--	820	--	--	--	--	2,233	--
	STAGE 1C SUBTOTALS	8,865	9,685	4,432	--	--	--	2,233	--
	STAGE 2								
	IH 94	8,865	8,865	400	--	--	--	--	1
	STAGE 2 SUBTOTALS	8,865	8,865	400	--	--	--	--	1
	STAGE 3								
	IH 94	8,865	8,865	4,432	--	--	--	--	--
	STAGE 3 SUBTOTALS	8,865	8,865	4,432	--	--	--	--	--
	STAGE 4								
	IH 94	8,865	8,865	4,432	--	--	--	--	--
	STAGE 4 SUBTOTALS	8,865	8,865	4,432	--	--	--	--	--
	STAGE 5								
	IH 94	22,602	23,658	13,477	5,177	571	--	--	6
	STAGE 5B SUBTOTALS	22,602	23,658	13,477	5,177	571	--	--	6
	SUBTOTALS	67,972	70,403	31,205	5,177	571	11,008	15,528	7
	TOTALS		169,580		5,748		26,536		7

3

R/W PROJECT NUMBER	SHEET NUMBER	TOTAL SHEETS
1030-20-22, 1030-20-23		
FEDERAL PROJECT NUMBER	4.01	

PLAT OF RIGHT-OF-WAY REQUIRED FOR

I-94 MILWAUKEE SOUTH
MILWAUKEE COUNTY LINE TO COLLEGE AVE

I-94 — MILWAUKEE CO.

CONSTRUCTION PROJECT NUMBER

1030-20-83	1030-20-84
1030-26-71	1030-20-85
1030-26-72	1030-20-87
1030-20-82	
1030-22-80	

CONVENTIONAL ABBREVIATIONS

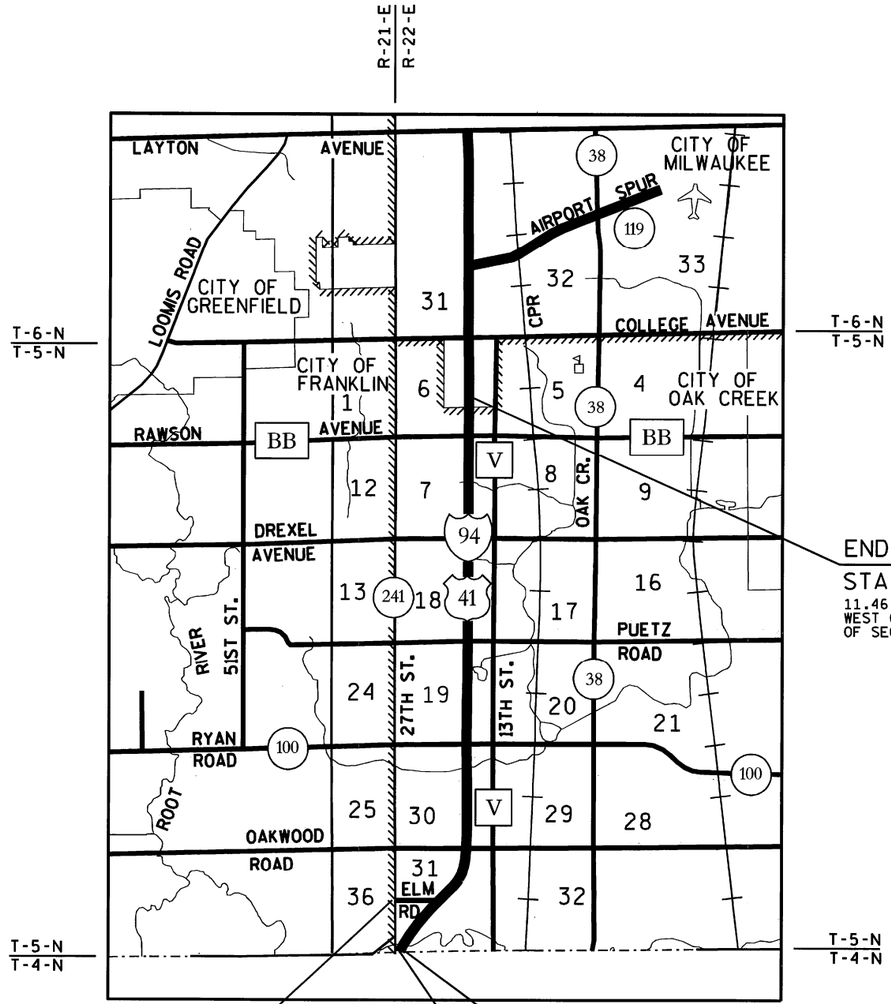
ACCESS POINT	AP	RELEASE OF RIGHTS	ROR
ACCESS RIGHTS	AR	REMAINING	REM.
ACRES	AC.	RIGHT-OF-WAY	R/W
AND OTHERS	ET.AL.	SECTION	SEC.
CENTERLINE	C/L	STATION	STA.
CERTIFIED SURVEY MAP	CSM	TEMPORARY LIMITED EASEMENT	TLE
CORNER	COR.	VOLUME	V.
DOCUMENT	DOC.		
EASEMENT	EASE.	**CURVE DATA**	
HIGHWAY EASEMENT	H.E.	LONG CHORD	LCH
LAND CONTRACT	LC	LONG CHORD BEARING	LCB
MONUMENT	MON.	RADIUS	R
PAGE	P.	DEGREE OF CURVE	D
PERMANENT LIMITED EASEMENT	PLE	CENTRAL ANGLE OR DELTA	DELTA
PROPERTY LINE	PL	LENGTH OF CURVE	L
RECORDED AS	(100')	TANGENT	TAN
REFERENCE LINE	R/L		

CONVENTIONAL SYMBOLS

FOUND IRON PIPE/PIN	LP (1" UNLESS NOTED)	PROPOSED R/W LINE	
		EXISTING H.E. LINE	
R/W MONUMENT	● (SET)	PROPERTY LINE	
R/W STANDARD	▲ (SET)	LOT & TIE LINES	
SIGN	ISIGN	SLOPE INTERCEPTS	
SECTION CORNER MONUMENT	●	CORPORATE LIMITS	
SECTION CORNER SYMBOL		NO ACCESS (BY PREVIOUS ACQUISITION/CONTROL)	
FEE (HATCH VARIES)		NO ACCESS (BY ACQUISITION)	
TEMPORARY LIMITED EASEMENT		NO ACCESS (BY STATUTORY AUTHORITY)	
PERMANENT LIMITED EASEMENT		SECTION LINE	
R/W BOUNDARY POINT	RWB20	QUARTER LINE	
PARCEL NUMBER	102	SIXTEENTH LINE	
SIGN NUMBER (OFF PREMISE)	21-1	EXISTING CENTERLINE	
BUILDING		PROPOSED REFERENCE LINE	
		PARALLEL OFFSET	

CONVENTIONAL UTILITY SYMBOLS

		NON COMPENSABLE	COMPENSABLE
COMMUNICATIONS	C		
WATER	W		
GAS	G		
TELEPHONE	T		
OVERHEAD TRANSMISSION LINES	OH		
ELECTRIC	E		
CABLE TELEVISION	TV		
FIBER OPTIC	FO		
SANITARY SEWER	SAN		
STORM SEWER	SS		
POWER POLE		○	●
TELEPHONE POLE		⌀	⌀
TELEPHONE PEDESTAL		⌘	⌘
ELECTRIC TOWER		⊠	



END RELOCATION ORDER
STA. 434+58.86
11.46' NORTH AND 1322.11' WEST OF THE EAST QUARTER CORNER OF SECTION 6, T-5-N, R-22-E

STATION EQUATION
131+34.26 AHEAD
1293+00.00 BACK

BEGIN RELOCATION ORDER
STA. 1292+60.60
4.57' SOUTH AND 265.37' EAST OF THE SOUTHWEST CORNER OF SECTION 31, T-5-N, R-22-E

WEST PROJECT LIMITS
STA. 10+00.00

N

LAYOUT
SCALE 0 1 MI. 2 MI.

TOTAL NET LENGTH OF CENTERLINE = 5.75 MI.

NOTES:

COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, MILWAUKEE COUNTY ZONE, NAD83 (1997) ADJUSTMENT. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 (TYPICAL 3/4 " REBAR) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT BY WISCONSIN DOT SOUTHEAST REGION SURVEY.
RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY SYSTEM OR OTHER "SURVEYS OF PUBLIC RECORD".

PROPERTY LINES SHOWN ON THIS PLAT ARE DRAWN FROM DATA DERIVED FROM MAPS AND DOCUMENTS OF PUBLIC RECORD AND/OR EXISTING OCCUPATIONAL LINES. THIS PLAT MAY NOT BE A TRUE REPRESENTATION OF EXISTING PROPERTY LINES, EXCLUDING RIGHT-OF-WAY LINES, AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

THE HIGH ACCURACY REFERENCE NETWORK (HARN) POINTS USED ON PROJECT WERE:
1) GREENDALE GPS
2) FRANKLIN S. GPS

ORIGINAL PLAT PREPARED BY:

Milwaukee Transportation Partners LLC

WISCONSIN
BRIAN M. DODGE
S-2848
WAUKESHA, WI
LAND SURVEYOR

DATE: 7/07/2010 (SIGNATURE) Brian M. Dodge

BRIAN M. DODGE
AGENT FOR MILWAUKEE TRANSPORTATION PARTNERS, LLC
R.L.S. NUMBER 2848

REVISION DATE
12-06-2010
2-17-2011

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED FOR THE DEPARTMENT

DATE: 7-7-2010 C E Andersen (Signature)

E

SCHEDULE OF LANDS & INTERESTS REQUIRED

AREAS SHOWN IN THE TOTAL ACRES COLUMN MAY BE APPROXIMATE AND DERIVED FROM TAX ROLLS OR OTHER AVAILABLE SOURCES AND MAY NOT INCLUDE LANDS OF THE OWNER WHICH ARE NOT CONTIGUOUS TO THE AREA TO BE ACQUIRED.

* DENOTES AREAS COMPUTED

PROJECT FUNDING I.D.	PARCEL NUMBER	SHEET NUMBER	OWNER	INTEREST REQUIRED	TOTAL ACRES	R/W REQUIRED (ACRES) NEW	EXISTING	TOTAL	TOTAL REMAIN ACRES	T.L.E. ACRES	P.L.E. ACRES	PARCEL NUMBER
1030-20-23	1 (2)	4.11	HANS WEISSGERBER, JR., RICHARD BERTRAND AND GREEN LAND INVESTORS, LLP	FEE	22.282	0.895	0.000	0.895	21.387	--	--	1
1030-20-23	2 (2)	4.10, 4.11	APPLE ORCHARD INVESTMENT PARTNERSHIP	FEE, AR, TLE	12.840	6.738	0.000	6.738	6.102	0.106	--	2
1030-20-23	3 (2)	4.10, 4.12, 4.13	THE BOERKE COMPANY, INC.	FEE, AR, PLE, TLE	96.993	18.543	0.138	18.681	78.312	0.110	0.275	3
1030-20-23	4 (2)	4.13	THE JOSEPH J. DORCEY LIVING TRUST	FEE	6.000	0.047	0.150	0.197	5.803	--	--	4
1030-20-23	5 (3)	4.14	THE WALTER J. YAKICH REVOCABLE TRUST	TLE	3.919	--	--	--	3.919	0.031	--	5
1030-20-23	6 (3)	4.14	INCO HOLDINGS, LLC	TLE	1.329	--	--	--	1.329	0.008	--	6
1030-20-23	7 (3)	4.14	CENTERPOINT PROPERTIES TRUST	TLE	4.991	--	--	--	4.991	0.190	--	7
1030-20-23	8 (3)	4.14	CQ CREEKSIDE LAND, LLC	TLE	6.436	--	--	--	6.436	0.051	--	8
1030-20-23	9 (3)	4.14	INVESTMENT 9725, LLC	FEE, TLE	15.569	0.033	0.000	0.033	15.536	0.050	--	9
1030-20-23	10 (3)	4.16	RYAN TRUCK LOT, LLC	TLE	2.020	--	--	--	2.020	0.012	--	10
1030-20-23	11 (3)	4.16, 4.17	PENTA, LLC	FEE, TLE	6.076	0.611	0.000	0.611	5.465	0.003	--	11
1030-20-23	12 (3)	4.16	RAL/O'MALLEY RYAN ROAD OWNERS' ASSOCIATION, INC.	FEE	4.493	0.047	0.000	0.047	4.446	--	--	12
1030-20-23	13 (3)	4.17	AMERICAN TV & APPLIANCE OF MADISON, INC.	FEE, TLE	33.320	0.203	0.000	0.203	33.117	0.150	--	13
1030-20-23	14 (3)	4.17	CITY OF OAK CREEK	TLE	13.884	--	--	--	13.884	0.037	--	14
1030-20-23	15 (3)	4.17	OCCIDENTAL DEVELOPMENT, LTD.	PLE, TLE	14.820	--	--	--	14.820	0.028	0.064	15
1030-20-23	16 (3)	4.16	PATRINA POWELL	PLE, TLE	3.060	--	--	--	3.060	0.044	0.022	16
1030-20-23	17 (3)	4.17	MICHAEL JEFFREY & DEBRA ANN WOZNIAK	PLE, TLE	2.973	--	--	--	2.973	0.022	0.022	17
1030-20-23	18 (3)	4.17	ELWOOD C. & JOANNE M. FAUCETT	TLE	14.315	--	--	--	14.315	0.092	--	18
1030-20-23	19 (3)	4.17	WRE HERZEBROCK III LIMITED PARTNERSHIP	TLE	34.906	--	--	--	34.906	0.026	--	19
1030-20-23	20 (3)	4.18	SAVAN N. LENDA	TLE	3.371	--	--	--	3.371	0.029	--	20
1030-23-23	21 (3)		REMOVED									21
1030-20-23	22 (3)	4.19	RAY C. & JEAN M. BLAIR	TLE	0.603	--	--	--	0.603	0.026	--	22
1030-20-23	23 (3)	4.19	JOHN C. & ALICE ANN GRUBOR	TLE	0.547	--	--	--	0.547	0.007	--	23
1030-20-23	24 (3)	4.19	RANDY W. & SANDRA L. HOWELL	TLE	0.739*	--	--	--	0.739*	0.056	--	24
1030-20-23	25 (3)	4.19	MICHAEL D. MAYER & TAMARA L. YOUNGBLOOD	TLE	0.577*	--	--	--	0.577*	0.020	--	25
1030-20-22	26	4.19, 4.20	THE CHRISTINE L. ASKI REVOCABLE TRUST	FEE	11.280	4.692	0.000	4.692	6.588	--	--	26
1030-20-23	27 (3)	4.19	HEATHER COTES	TLE	0.341	--	--	--	0.341	0.024	--	27
1030-20-23	28 (3)	4.19	BRADLEY T. & AMY M. POSIG	TLE	0.341	--	--	--	0.418	0.005	--	28
1030-20-22	29 (3)	4.20	MICHAEL P. & LINDA M. MCKIBBINS	TLE	0.364	--	--	--	0.364	0.003	--	29
1030-20-23	30 (3)	4.14	GUFFRE VII, LLC.	TLE	3.162	--	--	--	3.162	0.025	--	30
1030-20-22	31 (3)	4.20	CLOVER RIDGE HOMEOWNER'S ASSOCIATION, INC.	FEE	1.363*	0.247	0.000	0.247	1.116	--	--	31
1030-20-22	32 (3)	4.20	MK/S-EP, LLC	FEE	9.770	0.610	0.000	0.610	9.160	--	--	32
1030-20-22	33 (3)	4.20	JEAN E. SOBON	FEE	1.645*	0.073	0.000	0.073	1.572	--	--	33
1030-20-22	34 (3)	4.20	ST. MARY AND ST. ANTONIOUS COPTIC CHURCH OF MILWAUKEE	FEE, TLE	11.583	2.545	0.000	2.545	9.038	0.340	--	34
1030-20-22	35 (3)	4.20	STEPHEN J SPIDELL	TLE	3.490	--	--	--	3.490	0.069	--	35

4

4

REVISION DATE
DECEMBER 06, 2010
FEBRUARY 17, 2011

DATE JULY 07, 2010

SCALE, FEET
0 100 200

HWY: I-94
COUNTY: MILWAUKEE

STATE R/W PROJECT NUMBER 1030-20-22/23
CONSTRUCTION PROJECT NUMBER

PLAT SHEET 4.02
PS&E SHEET E

SCHEDULE OF LANDS & INTERESTS REQUIRED

AREAS SHOWN IN THE TOTAL ACRES COLUMN MAY BE APPROXIMATE AND DERIVED FROM TAX ROLLS OR OTHER AVAILABLE SOURCES AND MAY NOT INCLUDE LANDS OF THE OWNER WHICH ARE NOT CONTIGUOUS TO THE AREA TO BE ACQUIRED.

* DENOTES AREAS COMPUTED

PROJECT FUNDING I.D.	PARCEL NUMBER	SHEET NUMBER	OWNER	INTEREST REQUIRED	TOTAL ACRES	R/W REQUIRED (ACRES) NEW	EXISTING	TOTAL	TOTAL REMAIN ACRES	T.L.E. ACRES	P.L.E. ACRES	PARCEL NUMBER
1030-20-22	36 (3)	4.20	FRANK JR. & TAMMIE D. VALENTE	PLE, TLE	0.838	--	--	--	0.838	0.106	0.003	36
1030-20-22	37 (3)	4.21	RICHARD H. & JOYCE M. HUNKEL	FEE, PLE, TLE	0.815*	0.033	0.000	0.033	0.782*	0.021	0.079	37
1030-20-23	38 (3)	4.25	LEGACY/TIMBER RIDGE, LLC.	PLE	21.717	--	--	--	21.717	--	0.045	38
1030-20-22	39 (3)	4.21	DREXEL COMMERCIAL LIMITED PARTNERSHIP	FEE, TLE	27.028	3.877	0.000	3.877	23.151	0.260	--	39
1030-20-23	40 (3)	4.22	THE VILLAGE AT MANOR PARK, INC.	TLE	34.110	--	--	--	34.110	0.126	--	40
1030-20-23	41 (3)	4.22	OAK CREEK ASSEMBLY OF GOD, INC.	PLE, TLE	31.149	--	--	--	31.149	0.237	0.051	41
1030-20-23	42 (2)	4.10	H, A & H HOLDINGS, LLC	TLE	1.157	--	--	--	1.157	0.028	--	42
1030-20-23	43 (2)	4.10	S.K.E. DISPOSAL, INC.	FEE, TLE	1.323	0.028	0.000	0.028	1.295	0.027	--	43
1030-20-23	44 (2)	4.10	BRIAN J. & DIANE C. WOJNOWSKI	TLE	0.456	--	--	--	0.456	0.035	--	44
1030-20-23	45 (3)	4.23	B & G REALTY, LLC.	TLE	9.323	--	--	--	9.323	0.022	--	45
1030-20-23	46 (3)	4.24	SOUTHFIELD EXPANSION, LLC.	TLE	8.980	--	--	--	8.980	0.061	--	46
1030-20-23	47 (3)	4.24	ANDERSON BROTHERS	TLE	1.350	--	--	--	1.350	0.016	--	47
1030-20-22	48	4.21	RENAE ELIZABETH WYRWICKI	FEE	1.580	1.580	0.000	1.580	0.000	--	--	48
1030-20-22	49	4.21, 4.22	MILWAUKEE COUNTY	FEE, PLE, TLE	215.460	2.004	0.000	2.004	213.456	0.312	0.165	49
1030-20-23	50 (3)	4.24	LEGACY / RAWSON, LLC.	TLE	6.297	--	--	--	6.297	0.047	--	50
1030-20-23	51 (3)	--	REMOVED	--	--	--	--	--	--	--	--	51
1030-20-23	52 (3)	--	REMOVED	--	--	--	--	--	--	--	--	52
1030-20-23	53 (2)	4.10	APPLE ORCHARD INVESTMENTS PARTNERSHIP	TLE	2.169	--	--	--	2.169	0.036	--	53
1030-20-23	54 (2)	4.09	FOX GLEN CORPORATE CENTRE, LLC	FEE	23.196*	0.278	0.000	0.278	22.918*	--	--	54
--	--	--	--	--	--	--	--	--	--	--	--	--
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1030-20-22/23	100 (3)	4.09, 4.13, 4.14, 4.16, 4.17, 4.18, 4.19, 4.20, 4.21, 4.22, 4.24	WE ENERGIES - ELECTRIC	ROR	--	--	--	--	--	--	--	100
1030-20-23	102 (3)	4.19, 4.20	TIME WARNER CABLE	--	--	--	--	--	--	--	--	--
1030-20-22/23	103 (3)	4.09, 4.13, 4.14, 4.16, 4.18, 4.19, 4.20, 4.24	AT&T WISCONSIN	ROR	--	--	--	--	--	--	--	103
1030-20-23	104 (3)	4.25	WEST SHORE PIPELINE COMPANY	ROR	--	--	--	--	--	--	--	104
1030-20-23	105 (3)	4.16	MILWAUKEE METROPOLITAN SEWERAGE DISTRICT	ROR	--	--	--	--	--	--	--	105
1030-20-22/23	106 (3)	4.18, 4.20, 4.21, 4.22, 4.24	OAK CREEK WATER AND SEWER UTILITY	ROR, UTILITY AGREEMENT		--	--	--	--	--	--	106
1030-20-22/23	107 (3)	--	REMOVED	--		--	--	--	--	--	--	107
1030-20-22	UA206 (3)	4.13, 4.18, 4.20, 4.21, 4.22, 4.24	OAK CREEK WATER AND SEWER UTILITY	MUNICIPAL UTILITY AGREEMENT		--	--	--	--	--	--	UA206
1030-20-22	UA207 (3)	--	REMOVED	--		--	--	--	--	--	--	UA207
--	--	--	--	--	--	--	--	--	--	--	--	--

SHEET 4.04 IS REMOVED

REVISION DATE
DECEMBER 06, 2010
FEBRUARY 17, 2011

DATE JULY 07, 2010

SCALE, FEET
0 100 200

HWY: I-94
COUNTY: MILWAUKEE

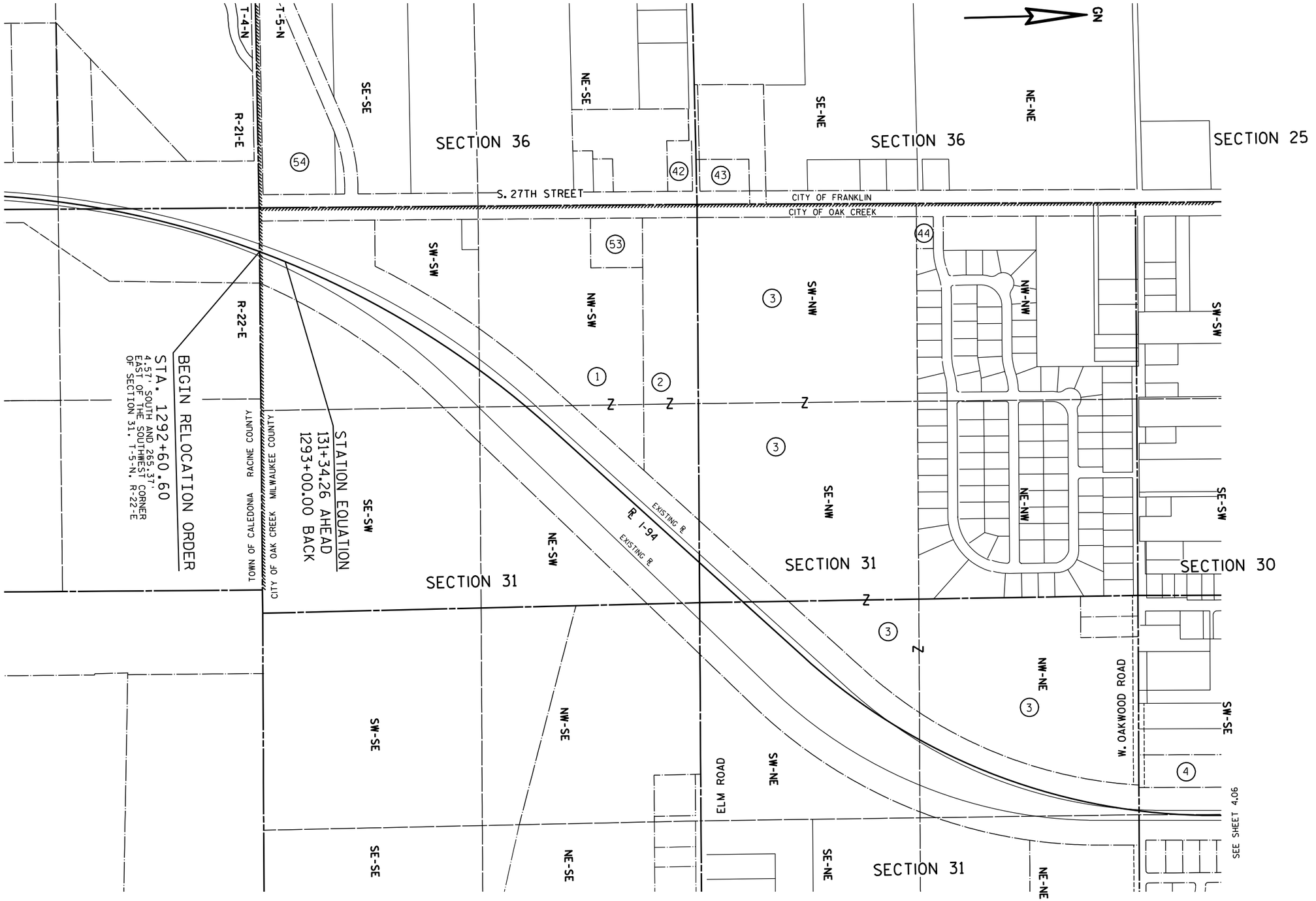
STATE R/W PROJECT NUMBER 1030-20-22/23
CONSTRUCTION PROJECT NUMBER

PLAT SHEET 4.03
PS&E SHEET

E

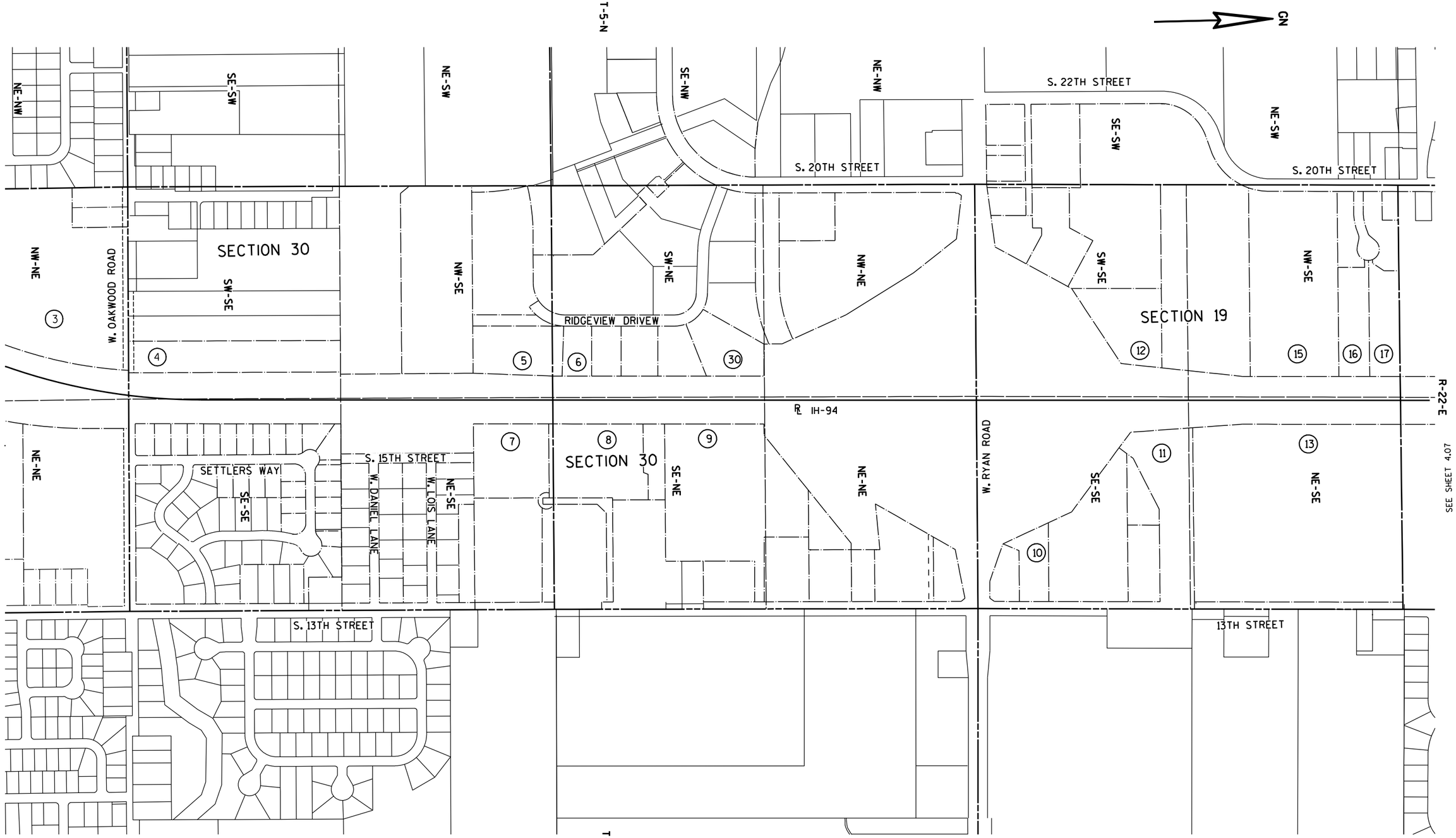
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CONST. I-94 R/W 1030-20-22/23 4.03



REVISION DATE DECEMBER 06, 2010 FEBRUARY 17, 2011	DATE JULT 07, 2010	SCALE, FEET 0 300 600	HWY: I-94	STATE R/W PROJECT NUMBER 1030-20-22/23	PLAT SHEET 4.05	
			COUNTY: MILWAUKEE	CONSTRUCTION PROJECT NUMBER	PS&E SHEET	E

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REVISION DATE DECEMBER 06, 2010 FEBRUARY 17, 2011	DATE JULY 07, 2010	SCALE. FEET 0 300 600	HWY: I-94	STATE R/W PROJECT NUMBER 1030-20-22/23	PLAT SHEET 4.06	
			COUNTY: MILWAUKEE	CONSTRUCTION PROJECT NUMBER	PS&E SHEET	E

FILE NAME : S:\prelimPMwork\15.ProjBase\RW\MIL_South\cds\040406_RL.dgn PLOT DATE : 18-FEB-2011 07:38 PLOT BY : MSCBXD PLOT NAME : PLOT SCALE : 600:1

CONST. I-94 R/W 1030-20-23 4.06

4

21

T-5-N

GN

S. 20TH STREET

SW-NE

Z

NW-NE

W. PUETZ ROAD

SW-SE

NW-SE

CITY OF OAK CREEK

SW-NE

NW-NE

W. DREXEL AVENUE

R-22-E

15 18 17 18 19 20 26 Z 26 36 37 48

SEE SHEET 4.06

SEE SHEET 4.08

℄ I-94

S. 16TH STREET

13 15 14 22 23 24 25 27 28 29 31 32 34 39

SE-NE

NE-NE

VIOLET STREET

SE-SE

NE-SE

S. WYNONA AVENUE

SW-NE

S. WILLOW COURT

NE-NE

SECTION 19

SECTION 18

SECTION 18

33 35

S. 13TH STREET

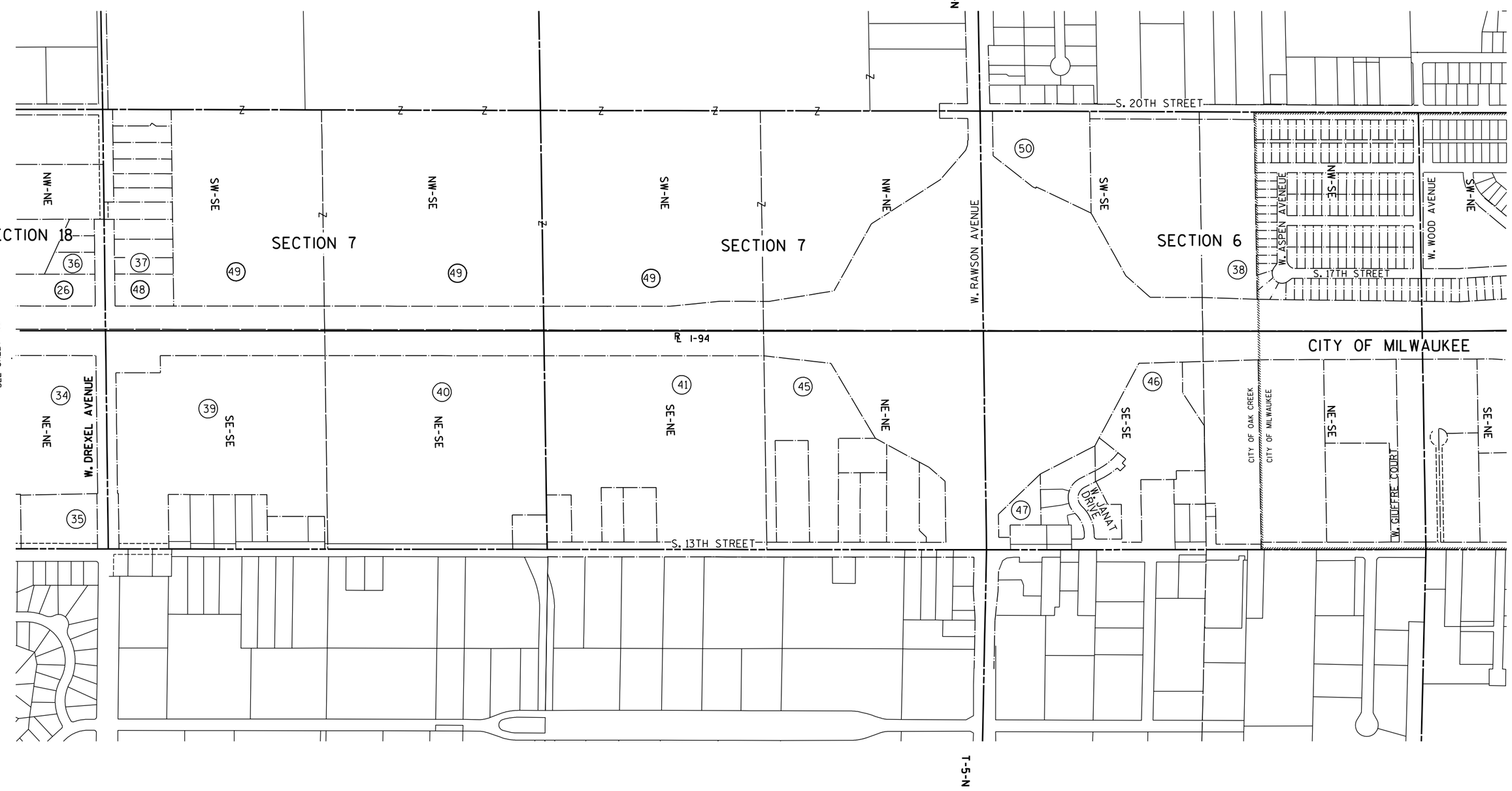
T-5-N

4

REVISION DATE DECEMEBER 06, 2010 FEBRUARY 17, 2011	DATE JULY 07, 2010	SCALE. FEET 0 300 600	HWY: I-94	STATE R/W PROJECT NUMBER 1030-20-22/23	PLAT SHEET 4.07	
			COUNTY: MILWAUKEE	CONSTRUCTION PROJECT NUMBER	PS&E SHEET	E

FILE NAME : S:\prelimPMwork\15.ProjBase\RW\MIL_South\cds\040407_RL.dgn PLOT DATE : 18-FEB-2011 07:38 PLOT BY : MSCBXD PLOT NAME : PLOT SCALE : 600:1

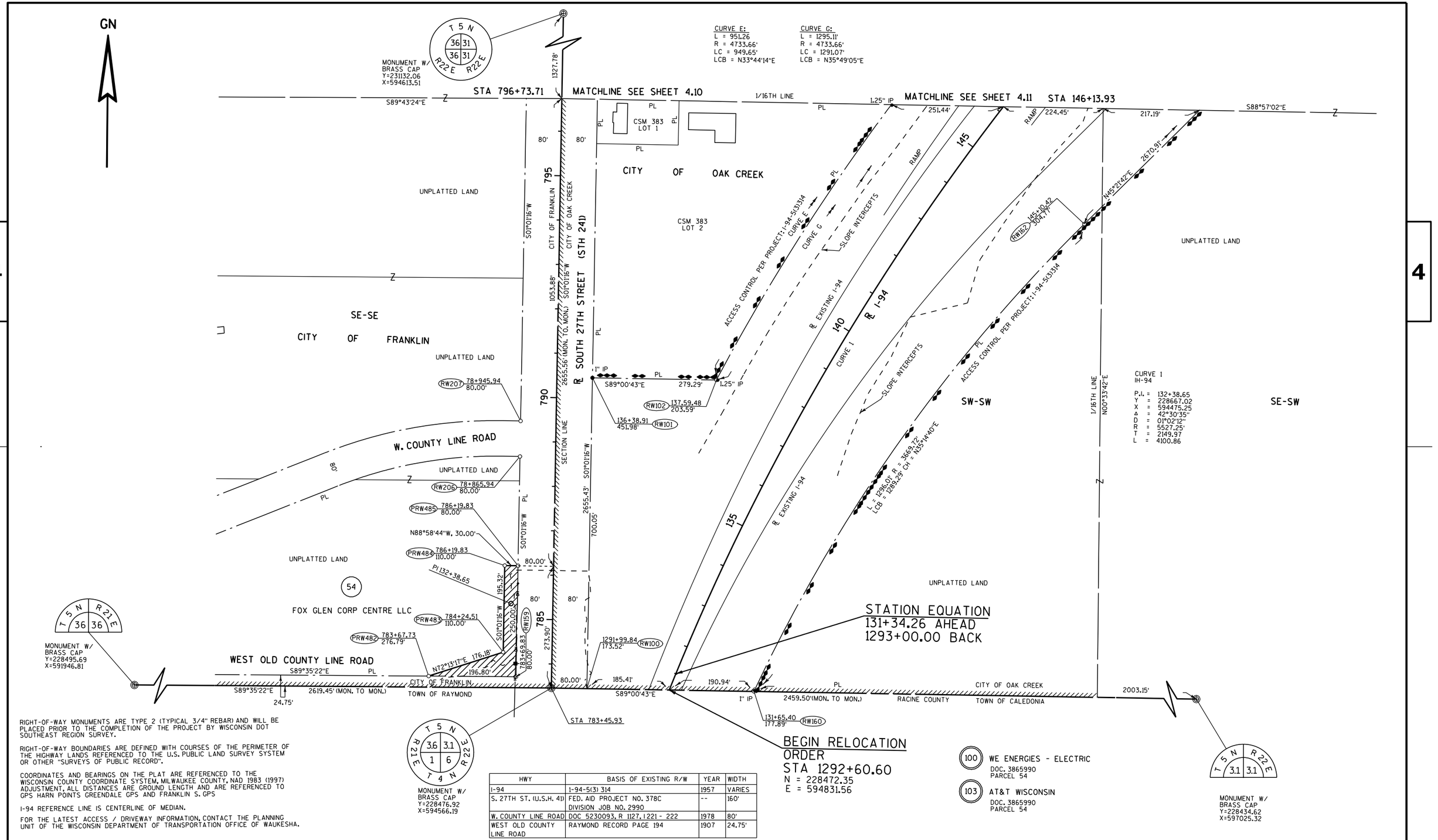
CONST. I-94 R/W 1030-20-22/23 4.07



REVISION DATE DECEMBER 06, 2010 FEBRUARY 17, 2011	DATE JULY 07, 2010	SCALE, FEET 0 300 600	HWY: I-94	STATE R/W PROJECT NUMBER 1030-20-22/23	PLAT SHEET 4.08	
			COUNTY: MILWAUKEE	CONSTRUCTION PROJECT NUMBER	PS&E SHEET	E

FILE NAME : S:\prelimPMwork\15.ProjBase\RW\MIL_South\cds\040408_RL.dgn PLOT DATE : 18-FEB-2011 07:38 PLOT BY : MSCBXD PLOT NAME : PLOT SCALE : 600:1

CONST. I-94 R/W 1030-20-22/23 4.08



RIGHT-OF-WAY MONUMENTS ARE TYPE 2 (TYPICAL 3/4" REBAR) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT BY WISCONSIN DOT SOUTHEAST REGION SURVEY.

RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY SYSTEM OR OTHER "SURVEYS OF PUBLIC RECORD".

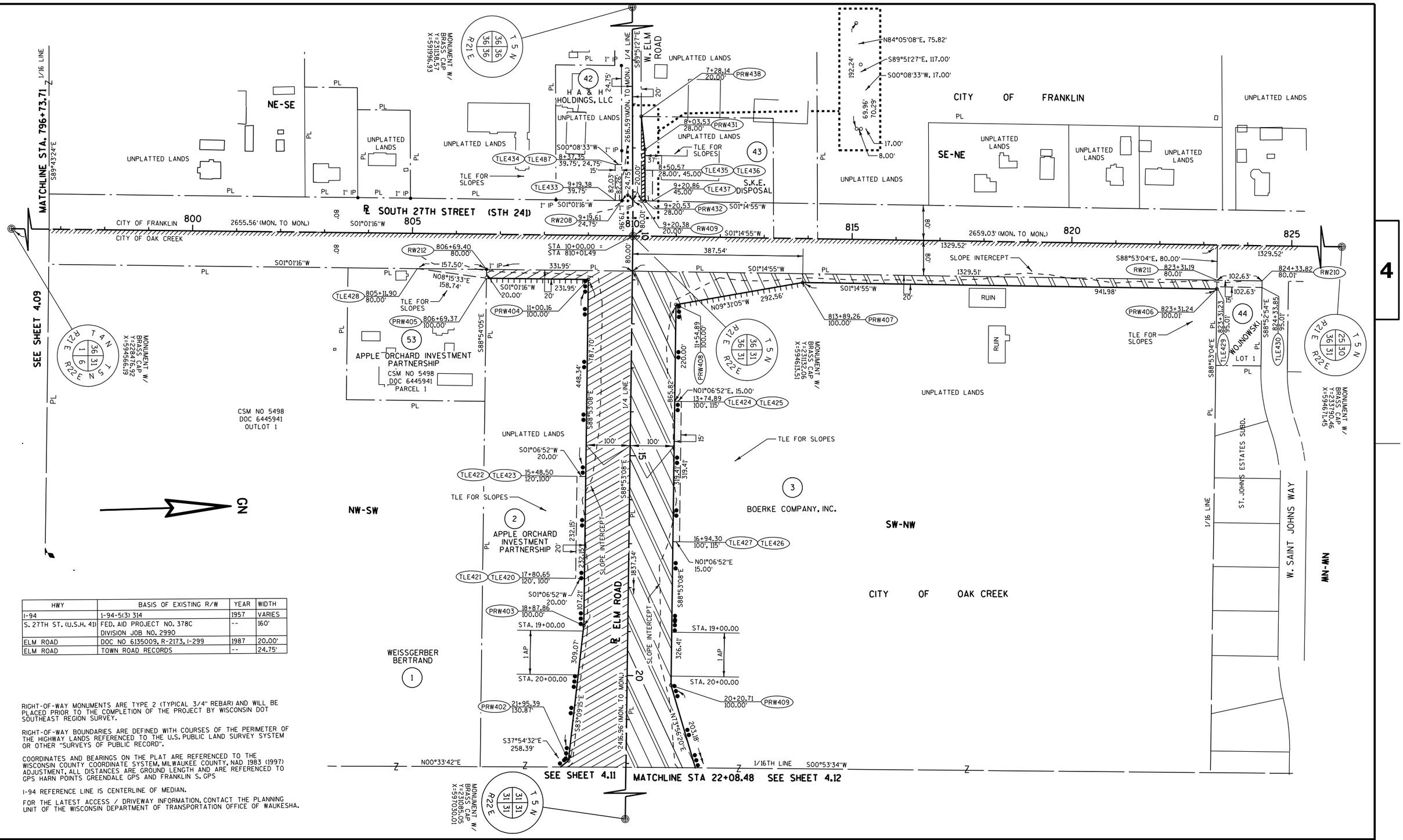
COORDINATES AND BEARINGS ON THE PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, MILWAUKEE COUNTY, NAD 1983 (1997) ADJUSTMENT. ALL DISTANCES ARE GROUND LENGTH AND ARE REFERENCED TO GPS HARN POINTS GREENDALE GPS AND FRANKLIN S. GPS

I-94 REFERENCE LINE IS CENTERLINE OF MEDIAN.

FOR THE LATEST ACCESS / DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE OF WAUKESHA.

HWY	BASIS OF EXISTING R/W	YEAR	WIDTH
I-94	I-94-5(3) 314	1957	VARIES
S. 27TH ST. (U.S.H. 41)	FED. AID PROJECT NO. 378C DIVISION JOB NO. 2990	--	160'
W. COUNTY LINE ROAD	DOC 5230093, R 1127, I221 - 222	1978	80'
WEST OLD COUNTY LINE ROAD	RAYMOND RECORD PAGE 194	1907	24.75'

REVISION DATE DECEMBER 06, 2010 FEBRUARY 17, 2011	DATE JULY 07, 2010	SCALE. FEET 0 100 200	HWY: I-94	STATE R/W PROJECT NUMBER 1030-20-22/23	PLAT SHEET 4.09	
			COUNTY: MILWAUKEE	CONSTRUCTION PROJECT NUMBER	PS&E SHEET	E



HWY	BASIS OF EXISTING R/W	YEAR	WIDTH
I-94	1-94-5(3) 314	1957	VARIES
S. 27TH ST. (U.S.H. 41)	FED. AID PROJECT NO. 378C DIVISION JOB NO. 2990	--	160'
ELM ROAD	DOC NO 6135009, R-2173, I-299	1987	20.00'
ELM ROAD	TOWN ROAD RECORDS	--	24.75'

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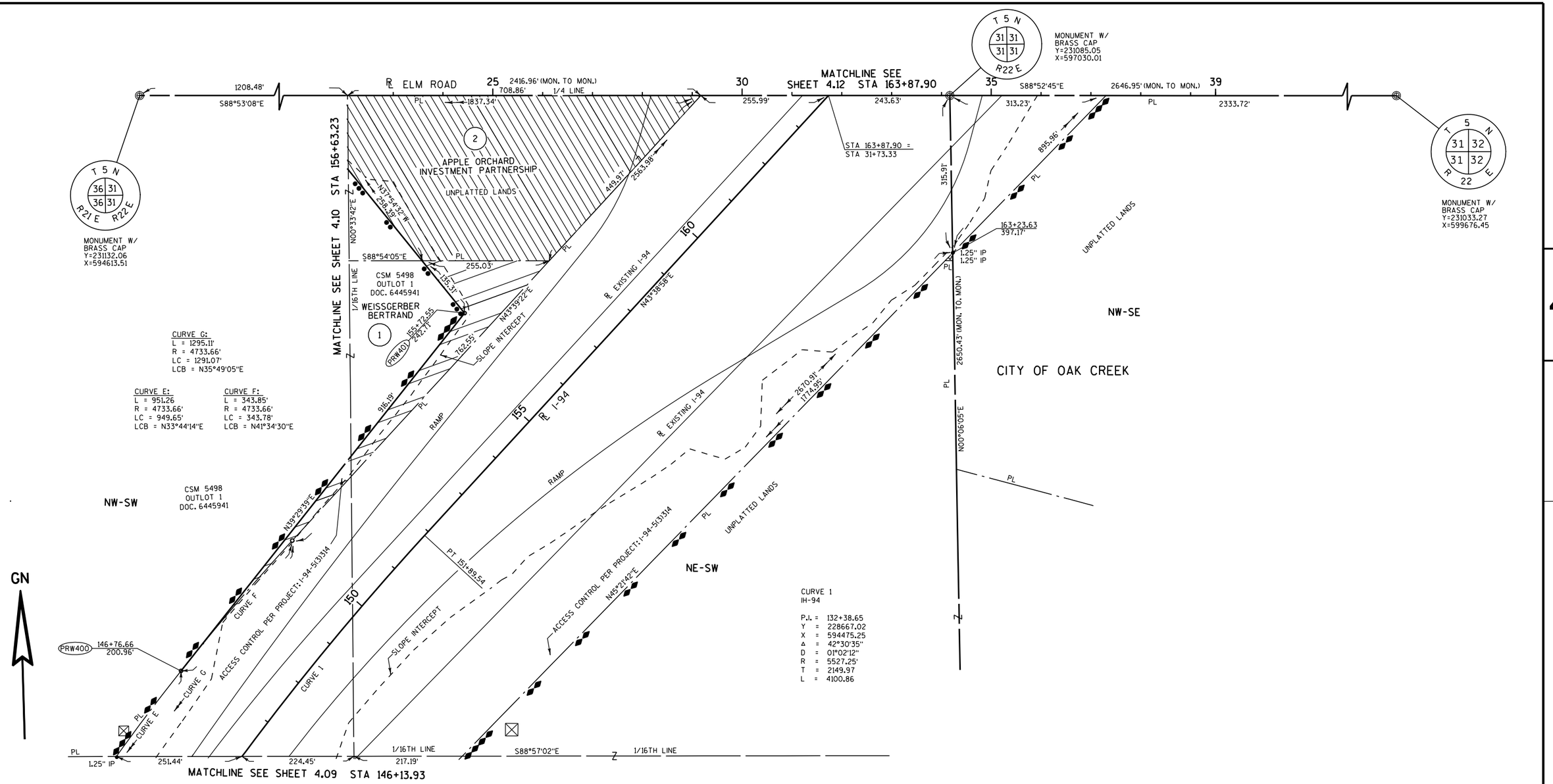
REVISION DATE DECEMBER 06, 2010 FEBRUARY 17, 2011	DATE JULY 07, 2010	HWY: I-94	STATE R/W PROJECT NUMBER 1030-20-22/23
		COUNTY: MILWAUKEE	CONSTRUCTION PROJECT NUMBER

PLAT SHEET 4.10

PS&E SHEET **E**

FILE NAME : S:\prelimPMwork\15.ProjBase\RW\MIL_South\cds\040410_RP.dgn PLOT DATE : 18-FEB-2011 07:40 PLOT BY : MSCBXD PLOT NAME : PLOT SCALE : 200:1

CONST. I-94 R/W 1030-20-23 4.10



CURVE G:
L = 1295.11'
R = 4733.66'
LC = 1291.07'
LCB = N35°49'05"E

CURVE E:
L = 951.26
R = 4733.66'
LC = 949.65'
LCB = N33°44'14"E

CURVE F:
L = 343.85'
R = 4733.66'
LC = 343.78'
LCB = N41°34'30"E

CURVE 1
IH-94

P.I. = 132+38.65
Y = 228667.02
X = 594475.25
Δ = 42°30'35"
D = 01°02'12"
R = 5527.25'
T = 2149.97
L = 4100.86

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HWY	BASIS OF EXISTING R/W	YEAR	WIDTH
I-94	1-94-5(3) 314	1957	VARIES
--	--		

REVISION DATE DECEMBER 06, 2010 FEBRUARY 17, 2011	DATE JULY 07, 2010	SCALE. FEET 0 100 200	HWY: I-94	STATE R/W PROJECT NUMBER 1030-20-22/23	PLAT SHEET 4.11	
			COUNTY: MILWAUKEE	CONSTRUCTION PROJECT NUMBER	PS&E SHEET	E

HWY	BASIS OF EXISTING R/W	YEAR	WIDTH
I-94	I-94-5(3) 314	1957	VARIES

GN

CITY OF OAK CREEK

T 5 N
30 30
31 31
R22 E

MONUMENT W/
BRASS CAP
Y=233744.00
X=597054.94

CURVE A:
L = 123.50'
R = 2624.79'
LC = 123.49
LCB = N42°31'35"E

CURVE B:
L = 75.97'
R = 2624.79'
LC = 75.96'
LCB = N40°20'58"E

CURVE C:
L = 665.75'
R = 2624.79'
LC = 663.97'
LCB = N32°15'14"E

CURVE H:
L = 1724.58'
R = 2624.79'
LC = 1693.72'
LCB = N25°03'06"E

MATCHLINE SEE SHEET 4.13 STA 181+07.50

S88°50'14"E
1/16 LINE

1/4 LINE
2659.07'(MON. TO MON.)
N00°32'14"E

3
BOERKE COMPANY, INC.
UNPLATTED LANDS
PLE FOR DRAINAGE

PLE446 PLE447 177+94.09 282.59' 247.62'
PLE445 PLE444 177+12.86 288.56' 253.64'
N40°21'39"E, 75.20'
N53°33'50"W 34.92'
N54°49'18"W 34.97'
CURVE C
CURVE H
CURVE A
108.40'
165.59'
437.37'
1.25" IP
PL

PRW413 175+80.58 264.54'
1813.17'
STA. 167+44.36
404.43'
1056.37'
RAMP
RWW05
L = 1841.44' R = 2714.79'
LCB = 1806.34' CH = N24°13'27"E
180
175
CURVE 2
S20°55'
2563.98'
PC 172+47.03
307.34'
PL
1.25" IP
275.88'
262.67'
STA. 167+44.36
170
℄ I-94
RAMP
℄ EXISTING I-94
SLOPE INTERCEPT
℄ EXISTING I-94
L = 2307.37' R = 3014.79'
LCB = 2251.47' CH = N23°26'10"E
1/16TH LINE
PL
CSM 6078
OUTLOT 1

SE-NW
PLE FOR DRAINAGE
PLE442 168+18.89 596.84'
N29°04'32"W, 85.00'
167+93.64 515.67' PLE443
S60°55'28"W 110.00'
N60°55'28"E 394.26'
PLE441 167+13.85 629.50'
N29°04'32"W, 85.00'
PLE440 166+88.61 548.34'
PRW412 165+47.59 592.19'
147.68'
480.13'
N42°53'56"E
ACCESS CONTROL PER PROJECT: I-94-5(3)14
SW-NE
ACCESS CONTROL PER PROJECT: I-94-5(3)14
UNPLATTED LANDS
PL
RW163 172+19.19 R=3.98'

1/16TH LINE
S00°53'34"W
MATCHLINE SEE SHEET 4.10 STA 22+08.48
22+14.83 160.00' PRW410
PRW411 160+67.50 585.90'
S88°53'08"E 310.16'
S73°56'20"W, 203.18'
157.85'
730.91'
N43°39'22"E
RAMP
ACCESS CONTROL PER PROJECT: I-94-5(3)14
165
STA. 163+87.90 =
STA. 31+73.33
N43°38'58"E
243.63'
2670.91'
N45°21'42"E
455.07'
CURVE 2
IH-94
P.I. = 186+72.49
Y = 232742.86
X = 598363.35
Δ = 42°08'21"
D = 01°32'55"
R = 3700.00'
T = 1425.46'
L = 2721.23'

PL 25 30 255.99' 35 313.23' PL 2333.73'
1208.48' 2416.96'(MON. TO MON.) 708.86' ℄ ELM ROAD 1.25" IP 2646.95'(MON. TO MON.)

MATCHLINE SEE SHEET 4.11 STA 18163+87.90

END OF ELM ROAD
STA. 39+50.00

T 5 N
36 31
36 31
R21 E R22 E
MONUMENT W/
BRASS CAP
Y=231132.06
X=594613.51

T 5 N
31 31
31 31
R22 E
MONUMENT W/
BRASS CAP
Y=231085.05
X=597030.01

T 5 N
31 32
31 32
R22 E
MONUMENT W/
BRASS CAP
Y=231033.27
X=599676.45

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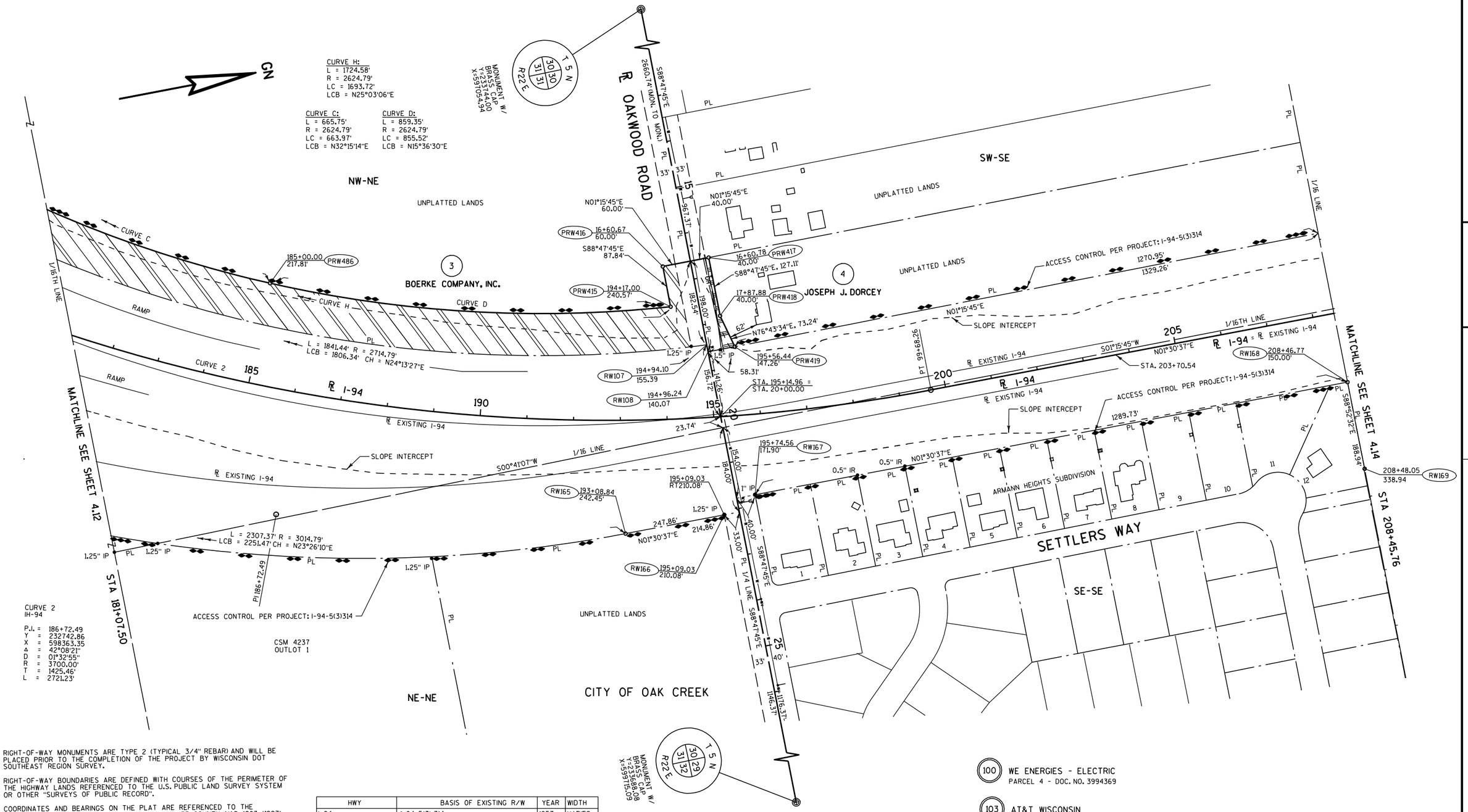
I-94 REFERENCE LINE IS CENTERLINE OF MEDIAN.

FOR THE LATEST ACCESS / DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE OF WAUKESHA.

REVISION DATE DECEMBER 06, 2010 FEBRUARY 17, 2011	DATE JULY 07, 2010	SCALE, FEET 0 100 200	HWY: I-94	STATE R/W PROJECT NUMBER 1030-20-22/23	PLAT SHEET 4.12
			COUNTY: MILWAUKEE	CONSTRUCTION PROJECT NUMBER	PS&E SHEET E

FILE NAME : S:\prelimPMwork\15.ProjBase\RW\MIL_South\cds\040412_RP.dgn PLOT DATE : 18-FEB-2011 07:41 PLOT BY : MSCBXD PLOT NAME : PLOT SCALE : 200:1

CONST. I-94 R/W 1030-20-22/23 4.12



RIGHT-OF-WAY MONUMENTS ARE TYPE 2 (TYPICAL 3/4" REBAR) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT BY WISCONSIN DOT SOUTHEAST REGION SURVEY.

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I-94 REFERENCE LINE IS CENTERLINE OF MEDIAN.

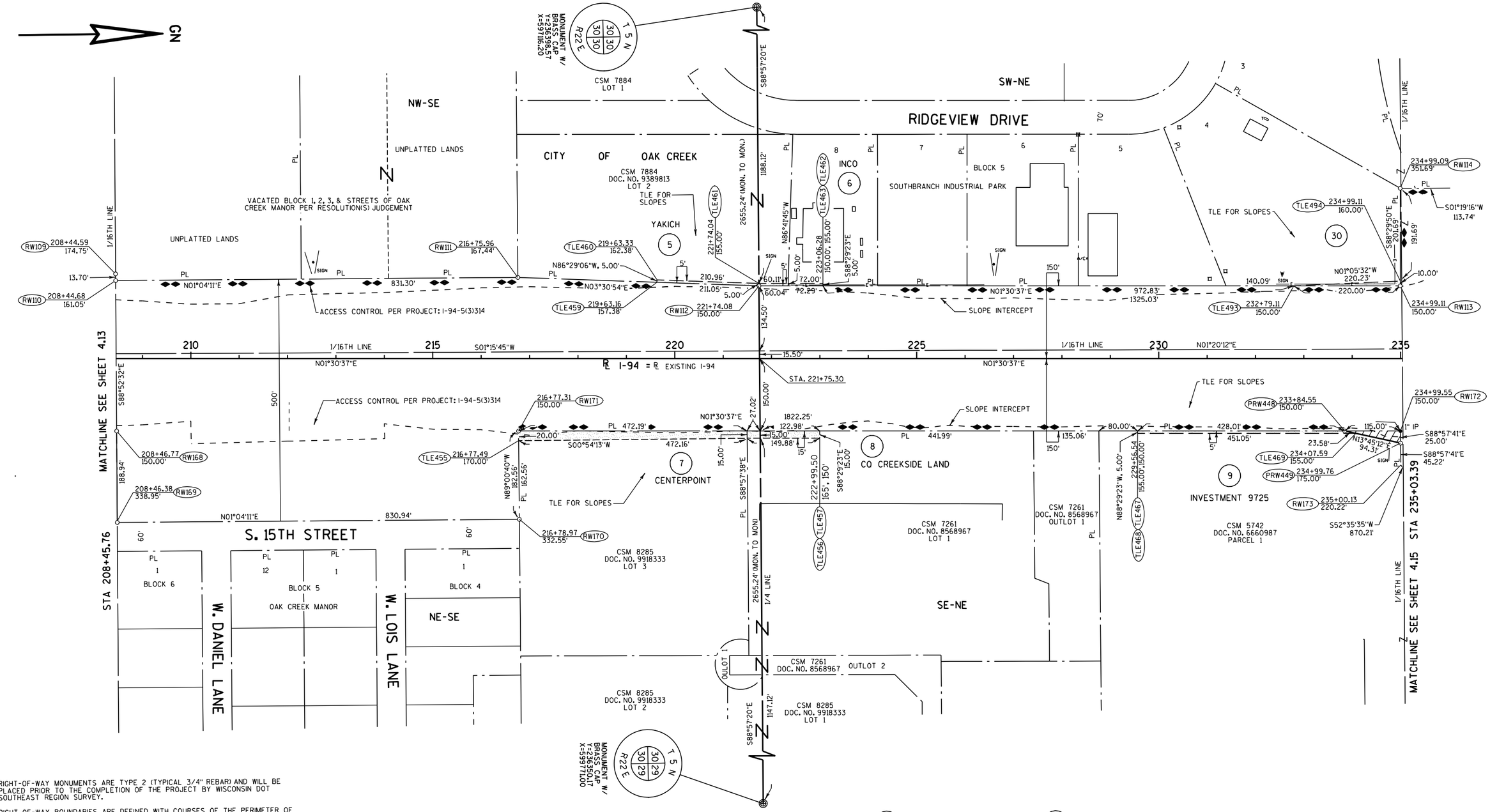
FOR THE LATEST ACCESS / DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE OF WAUKESHA.

HWY	BASIS OF EXISTING R/W	YEAR	WIDTH
I-94	I-94-5(3) 314	1957	VARIES
OAKWOOD ROAD	WIDTH BY SS 82.31(2)	--	66'
OAKWOOD ROAD	ARMANN HEIGHTS SUBDIVISION	2002	40'

REVISION DATE DECEMBER 06, 2010 FEBRUARY 17, 2011	DATE JULY 07, 2010	SCALE, FEET 0 100 200	HWY: I-94	STATE R/W PROJECT NUMBER 1030-20-22/23	PLAT SHEET 4.13	
			COUNTY: MILWAUKEE	CONSTRUCTION PROJECT NUMBER	PS&E SHEET	E

FILE NAME : S:\prelimPMwork\15.ProjBase\RW\MIL_South\cds\040413_RP.dgn PLOT DATE : 18-FEB-2011 07:42 PLOT BY : MSCBXD PLOT NAME : PLOT SCALE : 200:1

CONST. I-94 R/W 1030-20-22/23 4.13



RIGHT-OF-WAY MONUMENTS ARE TYPE 2 (TYPICAL 3/4" REBAR) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT BY WISCONSIN DOT SOUTHEAST REGION SURVEY.

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I-94 REFERENCE LINE IS CENTERLINE OF MEDIAN.

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HWY	BASIS OF EXISTING R/W	YEAR	WIDTH
I-94	I-94-5(3) 314	1957	VARIES
S. 15TH STREET	OAK CREEK MANOR SUBDIVISION	1958	60'

(100) WE ENERGIES - ELECTRIC
PARCEL 5 - DOC. NO. 4728078
PARCEL 6 - DOC. NO. 4728078
PARCEL 30 - DOC. NO. 4728078

(103) AT&T WISCONSIN
PARCEL 5 - DOC. NO. 4728078
PARCEL 6 - DOC. NO. 4728078
PARCEL 30 - DOC. NO. 4728078

REVISION DATE DECEMBER 06, 2010 FEBRUARY 17, 2011	DATE JULY 07, 2010	SCALE. FEET 0 100 200	HWY: I-94	STATE R/W PROJECT NUMBER 1030-20-22/23	PLAT SHEET 4.14
			COUNTY: MILWAUKEE	CONSTRUCTION PROJECT NUMBER	PS&E SHEET E

GN

T 5 N
19 19
30 30
R22E

MONUMENT W/
BRASS CAP
Y=239053.94
X=597176.17

T 5 N
19 20
30 29
R22E

MONUMENT W/
BRASS CAP
Y=239005.61
X=599834.96

40 SECTION LINE S88°57'31"E 45 MATCHLINE SEE SHEET 4.16 23.55' 50 STA 248+31.48 2659.23'(MON. TO MON.) 55 ℄ RYAN ROAD 60

1329.61'

1306.07'

STA. 248+31.48 =
STA. 50+00.00

247+37.30
1282.94'
RW119

247+05.67
1010.31'
RW118

75.00'

1" IP

70.36'

N81°52'22"W 274.45'

SLOPE INTERCEPT

50' 50'

1/4 LINE

S. 20TH STREET

PL

CANOPY

N36°53'22"W 342.43'

RW117 244+37.31
797.61'

CANOPY

ACCESS CONTROL PER PROJECT: I-94-5(3)314

N30°21'22"W 498.50'

CSM 773
PARCEL 1

NW-NE

CITY OF OAK CREEK

240+13.94
534.43'
RW116

N22°56'22"W 440.62'

SCALE

CSM 773
PARCEL 2

236+12.84
352.06'
RW115

113.75'
S01°19'16"W

DRAINAGE ROW

SOUTHBRANCH INDUSTRIAL PARK
BLOCK 5
3

2656.04' N01°17'38"E

1/16TH LINE N01°30'37"E

245

240

℄ I-94 = ℄ EXISTING I-94

S01°20'12"W

RAMP RYB

RAMP RYC

MATCHLINE SEE SHEET 4.14 STA 235+03.39

RW178 246+98.99
935.65'

RW179 247+60.54
1241.59'

68.63'

N80°08'05"E 312.08'

1.5" IP

65.88'

1.5" IP

CSM 4471
PARCEL 1

575.65'

PL

SLOPE INTERCEPT

N31°12'16"E

CSM 5502
DOC. NO. 6448221
LOT 1

RW176 242+27.12
936.88'

S85°53'20"W 287.78'

241+98.93
650.49'
RW177

ACCESS CONTROL PER PROJECT: I-94-5(3)314

NE-NE

DEDICATED FOR PUBLIC
DRAINAGE PURPOSES
(PER CSM 5502 DOC. NO. 6448221)

RW175 240+47.12
937.29'

S88°57'41"E, 40.00'

N01°22'47"E 180.00'

RW174 240+46.79
897.29

870.21'

CSM 5502
LOT 2

CSM 5742
DOC. NO. 6660987
OUTLOT A

S52°35'55"W

CSM 5742
DOC. NO. 6660987
PARCEL 1

CSM 5742
DOC. NO. 6660987
PARCEL 2

1/16TH LINE

S. 13TH STREET

2656.21'(MON. TO MON.)

SECTION LINE S01°22'47"W

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 (TYPICAL 3/4" REBAR) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT BY WISCONSIN DOT SOUTHEAST REGION SURVEY.

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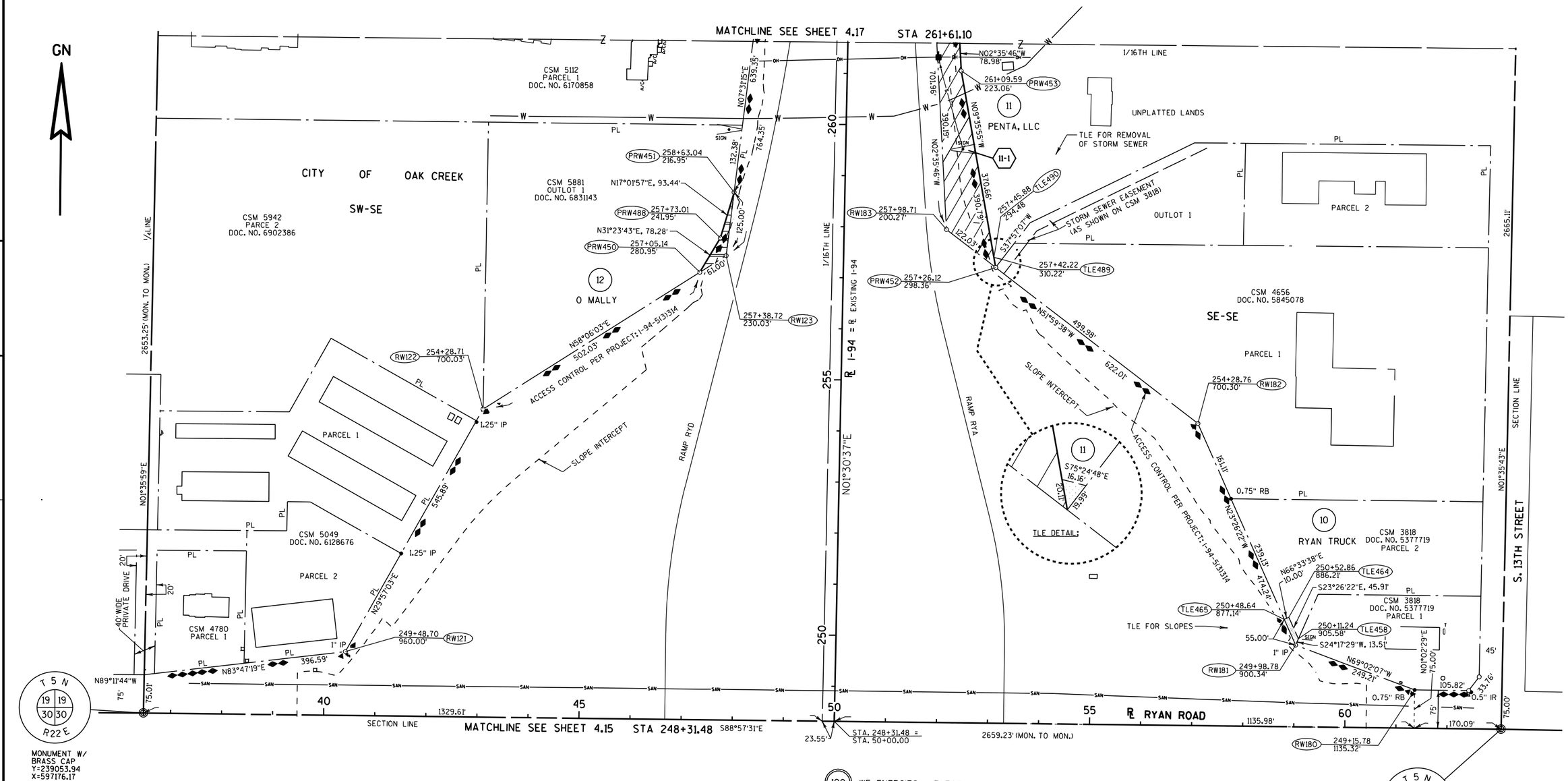
COORDINATES AND BEARINGS ON THE PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, MILWAUKEE COUNTY, NAD 1983 (1997) ADJUSTMENT. ALL DISTANCES ARE GROUND LENGTH AND ARE REFERENCED TO GPS HARN POINTS GREENDALE GPS AND FRANKLIN S. GPS

I-94 REFERENCE LINE IS CENTERLINE OF MEDIAN.

FOR THE LATEST ACCESS / DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE OF WAUKESHA.

HWY	BASIS OF EXISTING R/W	YEAR	WIDTH
I-94	1-94-5(3) 314	1957	VARIES
RYAN ROAD	1-94-5(3) 314	1957	VARIES
S. 13TH STREET	CSM NO. 4471	1984	45'
S. 13TH STREET	CSM NO. 5502	1991	45'
S. 20TH STREET	SOUTHBRANCH INDUSTRAIL PARK	1972	100'
S. 20TH STREET	DOCUMENT NO. 6098715, R-2133, I-1746	1987	VARIES

REVISION DATE DECEMBER 06, 2010 FEBRUARY 17, 2011	DATE JULY 07, 2010	SCALE, FEET 0 100 200	HWY: I-94	STATE R/W PROJECT NUMBER 1030-20-22/23	PLAT SHEET 4.15	
			COUNTY: MILWAUKEE	CONSTRUCTION PROJECT NUMBER	PS&E SHEET	E



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SIGN	OWNER	DOCUMENT NO.
11-1	LAMAR OUTDOOR ADVERTISING	9137025

HWY	BASIS OF EXISTING R/W	YEAR	WIDTH
I-94	1-94-5(3) 314	1957	VARIES
RYAN ROAD	1-94-5(3) 314	1957	VARIES
S. 13TH STREET	CSM NO. 3818	1980	45'
PRIVATE DRIVE	CSM NO. 4780	1986	40'

(100) WE ENERGIES - ELECTRIC
PARCEL 11 - DOC. NO. 3270452
PARCEL 11 - DOC. NO. 4132500
PARCEL 11 - DOC. NO. 4138363

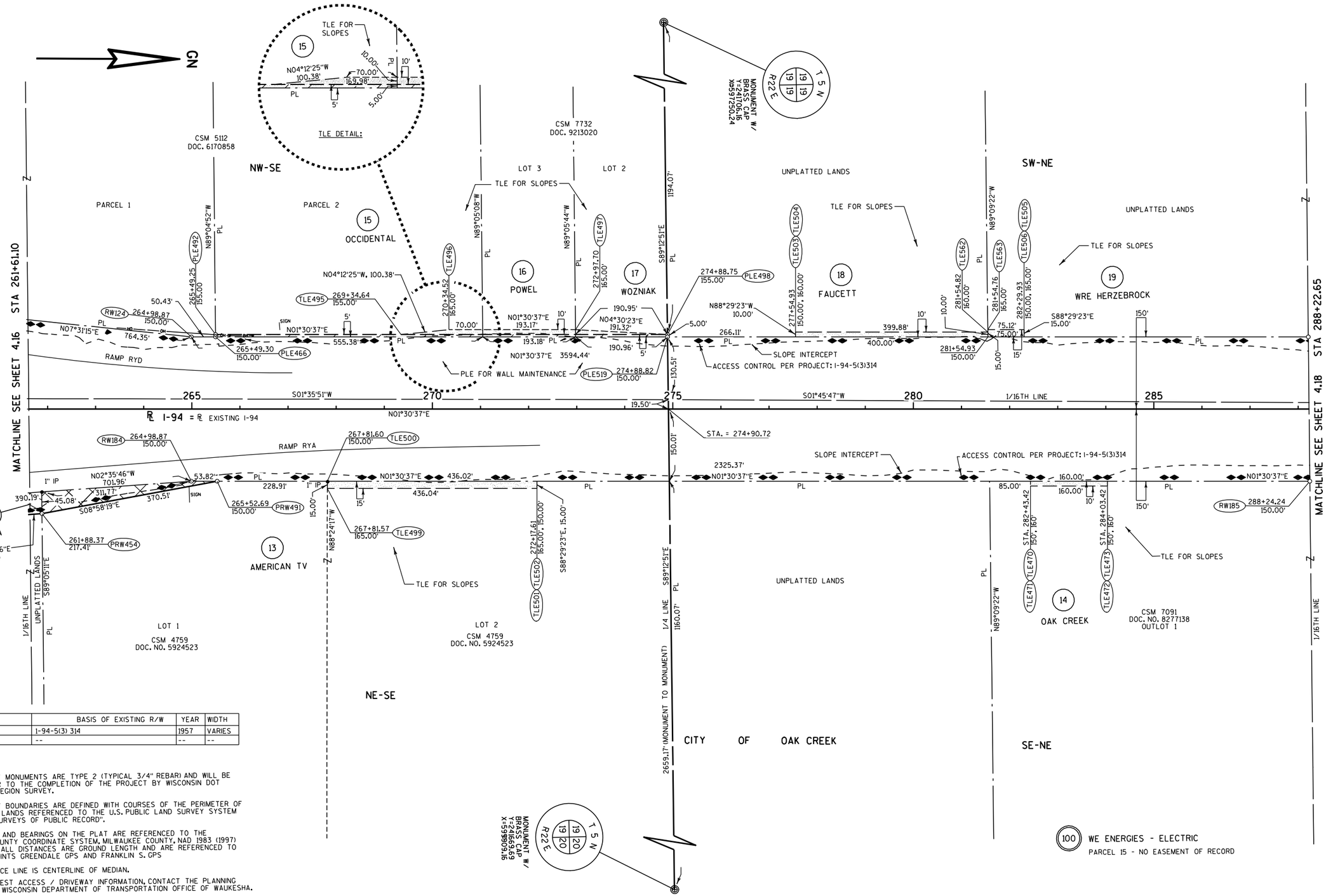
(103) AT&T WISCONSIN
PARCEL 11 - DOC. NO. 4132500
PARCEL 11 - DOC. NO. 4138363

(105) MILWAUKEE METROPOLITAN SEWERAGE DISTRICT

(106) OAK CREEK WATER AND SEWER UTILITY
PARCEL 11 - DOC. NO. 4341490

UA206 OAK CREEK WATER AND SEWER UTILITY

REVISION DATE DECEMBER 06, 2010 FEBRUARY 17, 2011	DATE JULY 07, 2010	SCALE. FEET 0 100 200	HWY: I-94	STATE R/W PROJECT NUMBER 1030-20-22/23	PLAT SHEET 4.16
			COUNTY: MILWAUKEE	CONSTRUCTION PROJECT NUMBER	PS&E SHEET E



HWY	BASIS OF EXISTING R/W	YEAR	WIDTH
I-94	1-94-5(3) 314	1957	VARIES
--	--	--	--

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 (TYPICAL 3/4" REBAR) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT BY WISCONSIN DOT SOUTHEAST REGION SURVEY.

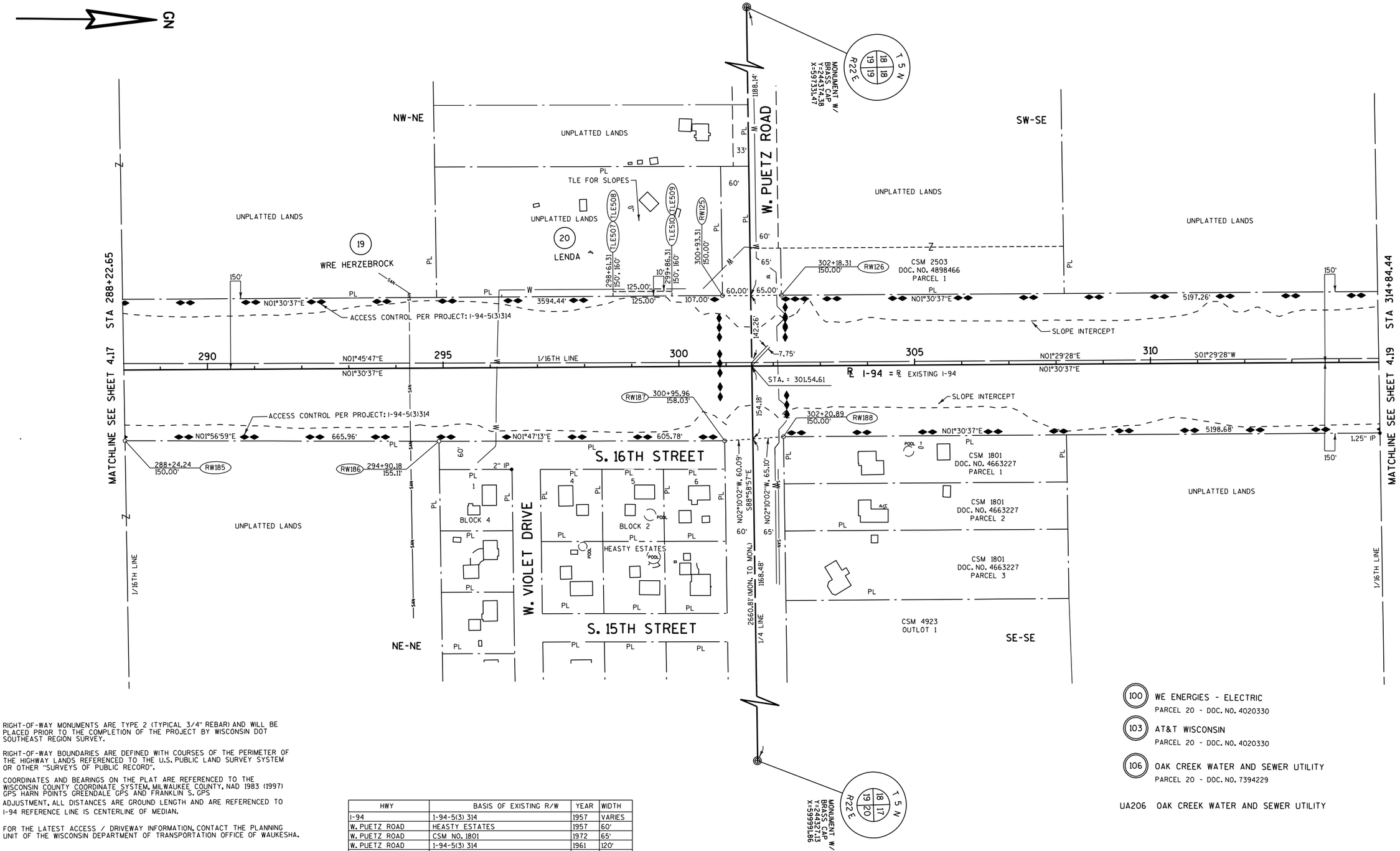
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I-94 REFERENCE LINE IS CENTERLINE OF MEDIAN.

FOR THE LATEST ACCESS / DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE OF WAUKESHA.

REVISION DATE	DATE JULY 7, 2010	SCALE, FEET	HWY: I-94	STATE R/W PROJECT NUMBER 1030-20-22/23	PLAT SHEET 4.17	
DECEMBER 06, 2010 FEBRUARY 17, 2011		0 100 200	COUNTY: MILWAUKEE	CONSTRUCTION PROJECT NUMBER	PS&E SHEET	E



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ADJUSTMENT. ALL DISTANCES ARE GROUND LENGTH AND ARE REFERENCED TO I-94 REFERENCE LINE IS CENTERLINE OF MEDIAN.

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HWY	BASIS OF EXISTING R/W	YEAR	WIDTH
I-94	I-94-5(3) 314	1957	VARIES
W. PUETZ ROAD	HEASTY ESTATES	1957	60'
W. PUETZ ROAD	CSM NO. 1801	1972	65'
W. PUETZ ROAD	I-94-5(3) 314	1961	120'
S. 16TH STREET	HEASTY ESTATES SUBD.	1957	60'

100 WE ENERGIES - ELECTRIC
PARCEL 20 - DOC. NO. 4020330

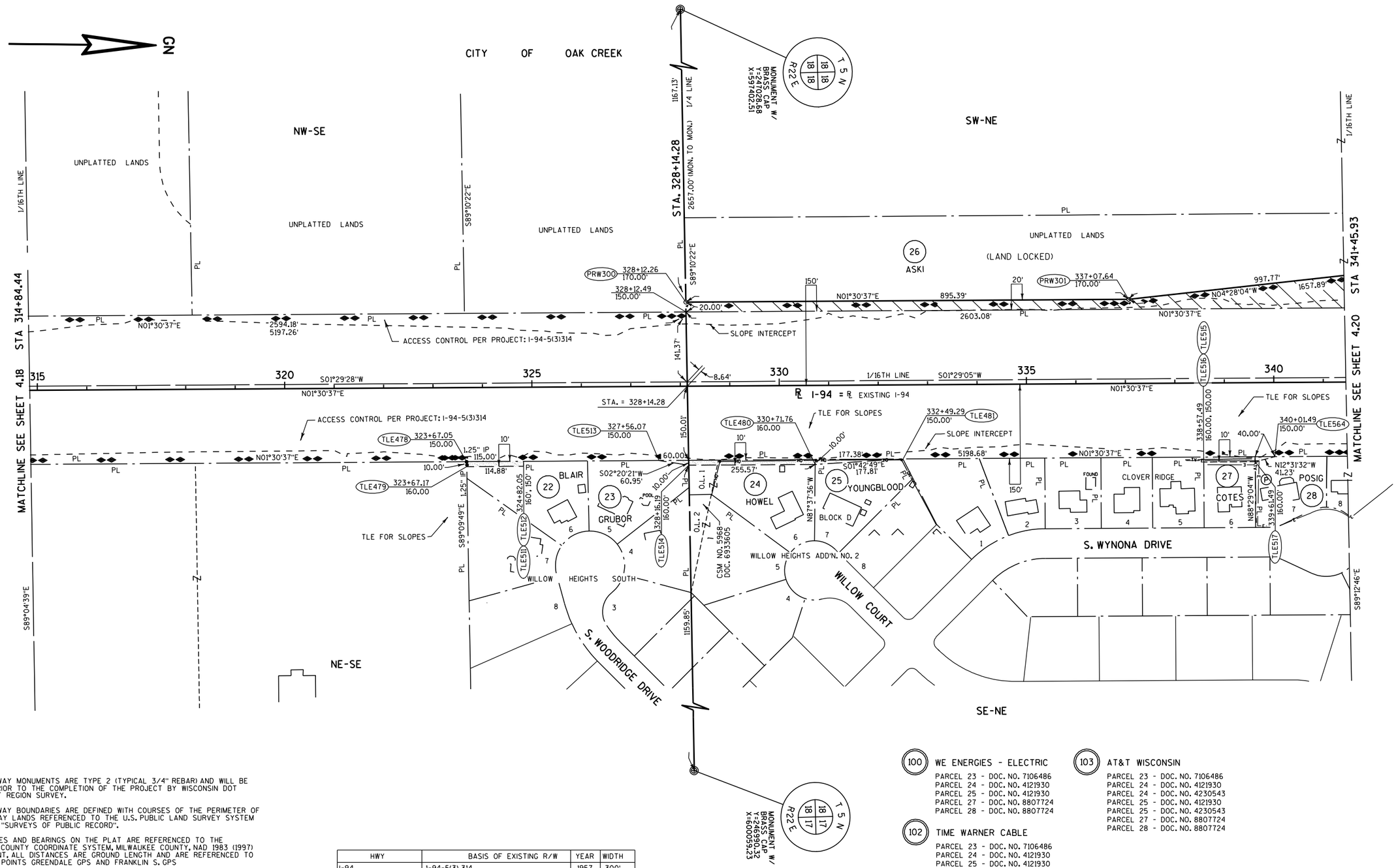
103 AT&T WISCONSIN
PARCEL 20 - DOC. NO. 4020330

106 OAK CREEK WATER AND SEWER UTILITY
PARCEL 20 - DOC. NO. 7394229

UA206 OAK CREEK WATER AND SEWER UTILITY

REVISION DATE DECEMBER 06, 2010 FEBRUARY 17, 2011	DATE JULY 07, 2010	SCALE, FEET 0 100 200	HWY: I-94	STATE R/W PROJECT NUMBER 1030-20-22/23	PLAT SHEET 4.18
			COUNTY: MILWAUKEE	CONSTRUCTION PROJECT NUMBER	PS&E SHEET E

FILE NAME : S:\prelimPMwork\15.ProjBase\RW\MIL_South\cds\040418_RP.dgn PLOT DATE : 18-FEB-2011 07:46 PLOT BY : MSCBXD PLOT NAME : PLOT SCALE : 200:1



RIGHT-OF-WAY MONUMENTS ARE TYPE 2 (TYPICAL 3/4" REBAR) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT BY WISCONSIN DOT SOUTHEAST REGION SURVEY.

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HWY	BASIS OF EXISTING R/W	YEAR	WIDTH
I-94	I-94-5(3) 314	1957	300'
--	--	--	--

100 WE ENERGIES - ELECTRIC
PARCEL 23 - DOC. NO. 7106486
PARCEL 24 - DOC. NO. 4121930
PARCEL 25 - DOC. NO. 4121930
PARCEL 27 - DOC. NO. 8807724
PARCEL 28 - DOC. NO. 8807724

102 TIME WARNER CABLE
PARCEL 23 - DOC. NO. 7106486
PARCEL 24 - DOC. NO. 4121930
PARCEL 25 - DOC. NO. 4121930
PARCEL 27 - DOC. NO. 8807724
PARCEL 28 - DOC. NO. 8807724

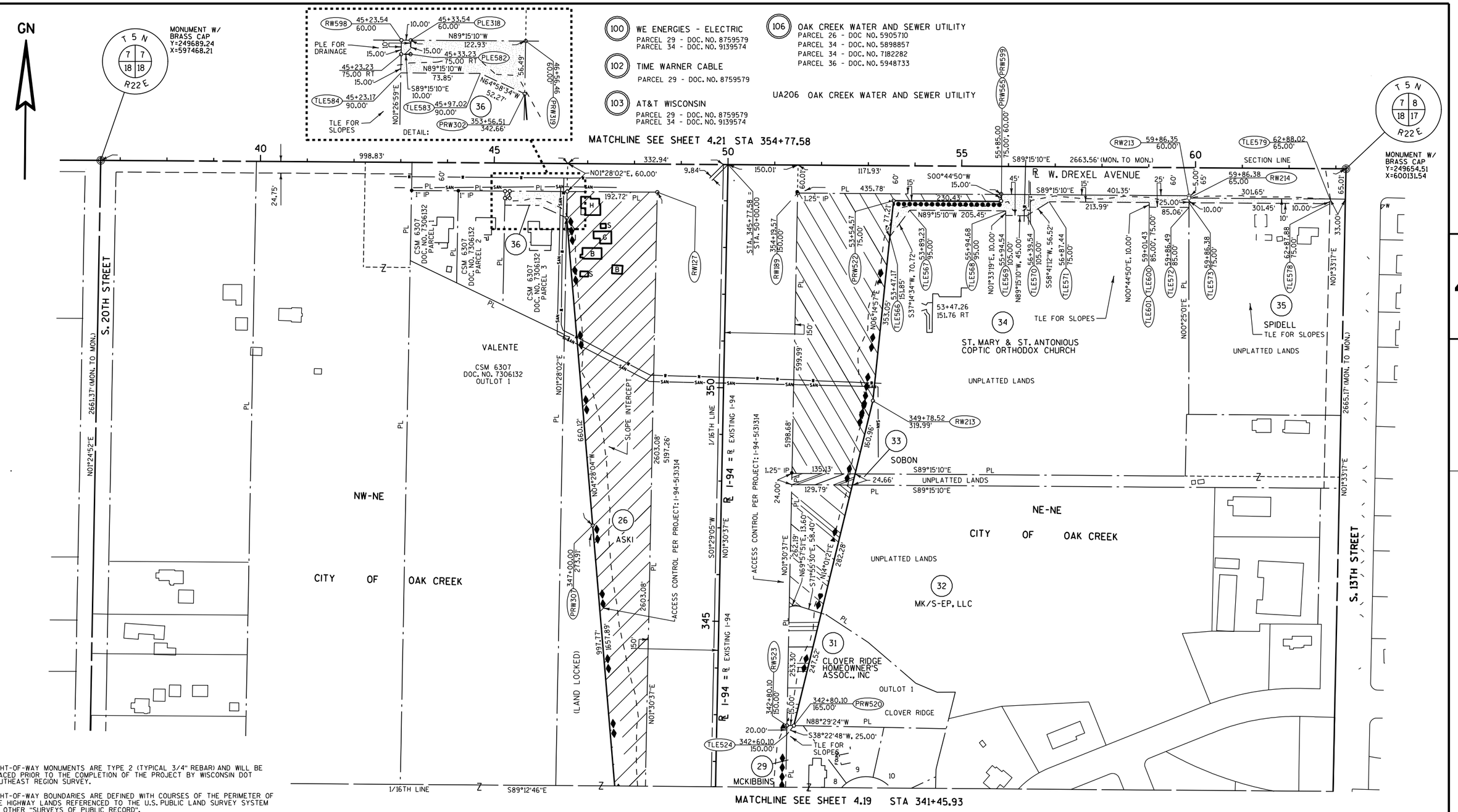
103 AT&T WISCONSIN
PARCEL 23 - DOC. NO. 7106486
PARCEL 24 - DOC. NO. 4121930
PARCEL 24 - DOC. NO. 4230543
PARCEL 25 - DOC. NO. 4121930
PARCEL 25 - DOC. NO. 4230543
PARCEL 27 - DOC. NO. 8807724
PARCEL 28 - DOC. NO. 8807724

REVISION DATE
DECEMBER 06, 2010
FEBRUARY 17, 2011

DATE JULY 07, 2010

SCALE, FEET
0 100 200

HWY: I-94	STATE R/W PROJECT NUMBER 1030-20-22/23	PLAT SHEET	4.19
COUNTY: MILWAUKEE	CONSTRUCTION PROJECT NUMBER	PS&E SHEET	E



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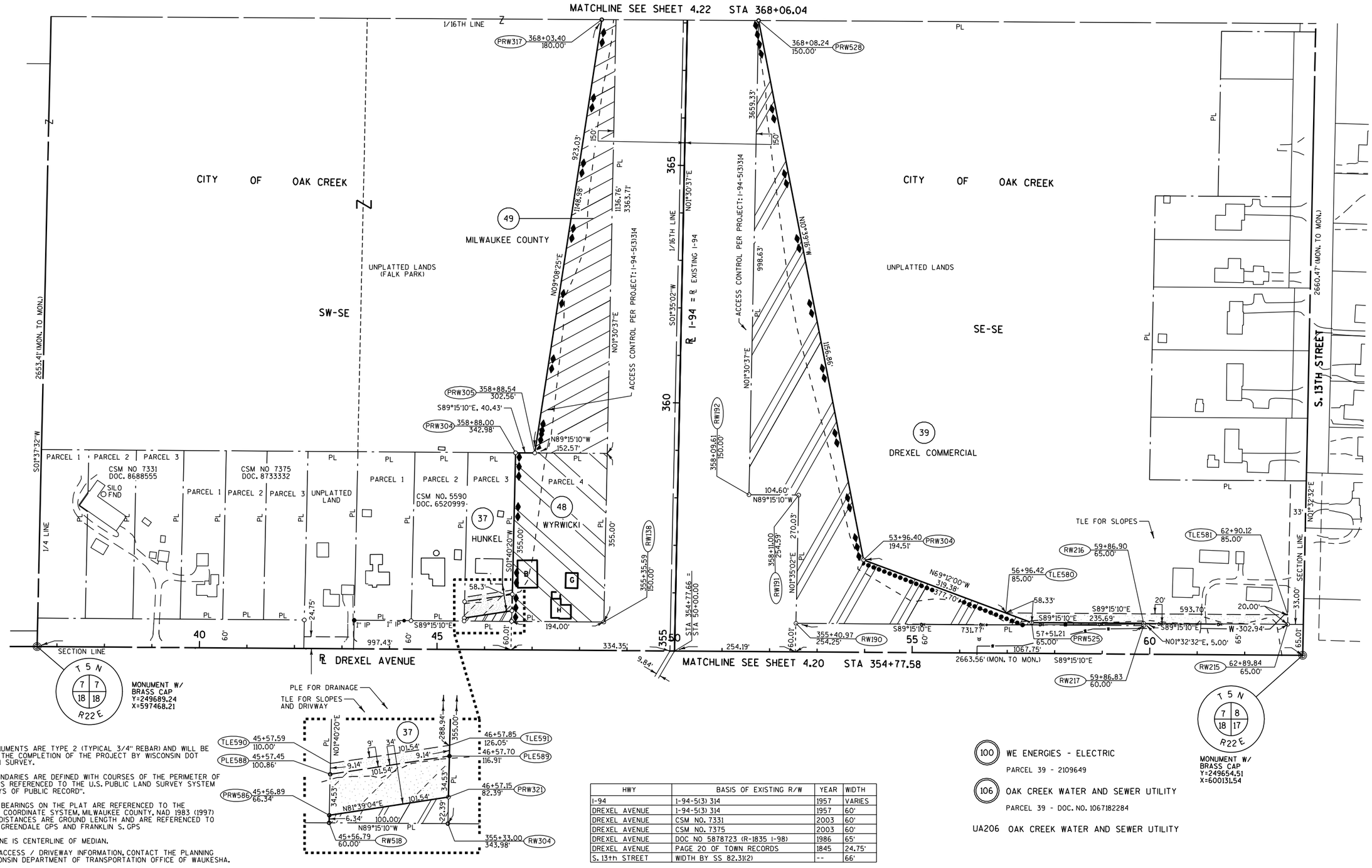
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FOR THE LATEST ACCESS / DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE OF WAUKESHA.

HWY	BASIS OF EXISTING R/W	YEAR	WIDTH
I-94	1-94-5(3) 314	1957	300'
DREXEL AVENUE	1-94-5(3) 314	1957	60'
DREXEL AVENUE	DOC. NO. 5886837 R-1845 I-154	1986	65'
DREXEL AVENUE	PAGE 20 OF TOWN RECORDS	1845	24.75'
S. 13TH STREET	WIDTH BY SS 82.31(2)	--	33'

REVISION DATE DECEMBER 06, 2010 FEBRUARY 17, 2011	DATE JULY 07, 2010	SCALE. FEET 0 100 200	HWY: I-94	STATE R/W PROJECT NUMBER 1030-20-22/23	PLAT SHEET 4.20	
			COUNTY: MILWAUKEE	CONSTRUCTION PROJECT NUMBER	PS&E SHEET	E



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HWY	BASIS OF EXISTING R/W	YEAR	WIDTH
I-94	I-94-5(3) 314	1957	VARIES
DREXEL AVENUE	I-94-5(3) 314	1957	60'
DREXEL AVENUE	CSM NO. 7331	2003	60'
DREXEL AVENUE	CSM NO. 7375	2003	60'
DREXEL AVENUE	DOC NO 5878723 (R-1835 I-98)	1986	65'
DREXEL AVENUE	PAGE 20 OF TOWN RECORDS	1845	24.75'
S. 13th STREET	WIDTH BY SS 82.31(2)	--	66'

100 WE ENERGIES - ELECTRIC
PARCEL 39 - 2109649

106 OAK CREEK WATER AND SEWER UTILITY
PARCEL 39 - DOC. NO. 1067182284

UA206 OAK CREEK WATER AND SEWER UTILITY

REVISION DATE DECEMBER 06, 2010 FEBRUARY 17, 2011	DATE JULY 7, 2010	SCALE, FEET 0 100 200	HWY: I-94	STATE R/W PROJECT NUMBER 1030-20-22/23	PLAT SHEET 4.21	
			COUNTY: MILWAUKEE	CONSTRUCTION PROJECT NUMBER	PS&E SHEET	E

FILE NAME : S:\prelimPMwork\15.ProjBase\RW\MIL_South\cds\040421_RP.dgn PLOT DATE : 18-FEB-2011 07:48 PLOT BY : MSCBXD PLOT NAME : PLOT SCALE : 200:1

4

100 WE ENERGIES - ELECTRIC
PARCEL 41 - DOC. 8690060
PARCEL 49 - (NO RECORD OF EASEMENT)

106 OAK CREEK WATER AND SEWER UTILITY
PARCEL 41 - (NO RECORD OF EASEMENT)
PARCEL 49 - (NO RECORD OF EASEMENT)

UA206 OAK CREEK WATER AND SEWER UTILITY

GN

MONUMENT W/ BRASS CAP Y:252341.58 X:691545.48

T 5 N R 22 E 7 7 7 7

NW-SE

SW-NE

CITY OF OAK CREEK

UNPLATTED LANDS

PLE FOR DRAINAGE

CSM 241 DOC. NO. 4029443 PARCEL 3

TLE FOR SLOPES

MILWAUKEE COUNTY

S89°19'46"E 1/16TH LINE

S89°24'23"E 2659.80' (MON. TO MON.)

1186.31'

368+03.40 180.00' PRW317

369+52.69 160.00' TLE308

225.95' N09°08'25"E 148.98' 1136.76'

75.32'

N01°30'37"E 929.39'

10'

378+82.09 150.00', 160.00' TLE309 TLE310

N88°29'23"W 10.00'

150'

250.00' N01°30'37"E

370+27.34 150.00' PRW306

SLOPE INTERCEPT

-854.74' 3363.71'

ACCESS CONTROL PER PROJECT: I-94-5(3)314

PLE311 PLE312 PLE313 PLE314

384+08.09 150.00', 190.00'

N01°30'37"E 180.00'

N88°29'23"W 40.00'

276.00'

180.00'

767.21'

385+88.09 150.00', 190.00'

N88°29'23"W 40.00'

385+88.09 165.00' TLE315

311.21'

388+99.30 165.00' TLE316

15'

N88°29'23"W 15.00'

N04°12'01"W 301.50'

391+99.30 180.00' RW140

300.34' N01°30'37"E PL

384+08.09 150.00'

RW139 388+99.30 150.00'

143.59'

6.43'

370 1/16TH LINE S01°35'02"W 375 380

℄ I-94 = ℄ EXISTING I-94

N01°30'37"E

STA. 381+34.49

SAN

385 1/16TH LINE 390

S01°32'52"W

N01°30'37"E

MATCHLINE SEE SHEET 4.21 STA 368+06.04

MATCHLINE SEE SHEET 4.23 STA 394+66.59

368+08.24 150.00' PRW528

N89°19'46"W. 10.00'

N01°30'37"E 550.00' 549.85'

3659.33'

ACCESS CONTROL PER PROJECT: I-94-5(3)314

778.65'

PL

10'

368+08.38 160.00' TLE593

TLE FOR SLOPES

373+58.24 150.00', 160.00' TLE595

TLE594

S88°29'23"E. 10.00'

40 MANOR PARK

UNPLATTED LANDS

1/16TH LINE

1/4 LINE

381+37.13 165.00' TLE532

381+36.89 150.00' TLE531

1.25" IP

150.00'

N01°30'37"E PL 332.97'

N01°30'37"E 332.96'

15'

150'

15.00'

1158.45'

STA. 381+34.49

1332.05' 440.00'

N01°30'37"E 270.00'

15'

TLE FOR SLOPES

389+98.81 150.00' TLE540

N03°31'56"W 170.66'

470.12'

1.25" IP

388+28.81 165.00' RT

TLE539

41 OAK CREEK ASSEMBLY OF GOD

CSM 8281 DOC. NO. 9915906 PARCEL 1

CITY OF OAK CREEK

1/16TH LINE

S89°23'09"E

NE-SE

MONUMENT W/ BRASS CAP Y:252314.02 X:690203.14

T 5 N R 22 E 7 8

SE-NE

PLE534 384+69.85 150.00 RT

PLE537 385+58.81 150.00 RT

N01°30'37"E 88.96'

15.00'

S89°24'09"E 25.00'

S89°29'23"E 25.00'

TLE533 384+70.09 165.00 RT

N01°30'37"E 88.56'

385+58.81 165.00' TLE538

385+58.81 175.00' PLE536

PLE535 384+70.25 175.00 RT

DETAIL: PLE FOR DRAINAGE

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 (TYPICAL 3/4" REBAR) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT BY WISCONSIN DOT SOUTHEAST REGION SURVEY.

RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY SYSTEM OR OTHER "SURVEYS OF PUBLIC RECORD".

COORDINATES AND BEARINGS ON THE PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, MILWAUKEE COUNTY, NAD 1983 (1997) ADJUSTMENT. ALL DISTANCES ARE GROUND LENGTH AND ARE REFERENCED TO GPS HARN POINTS GREENDALE GPS AND FRANKLIN S. GPS

I-94 REFERENCE LINE IS CENTERLINE OF MEDIAN.

FOR THE LATEST ACCESS / DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE OF WAUKESHA.

HWY	BASIS OF EXISTING R/W	YEAR	WIDTH
I-94	I-94-5(3) 314	1957	VARIES

REVISION DATE
DECEMBER 06, 2010
FEBRUARY 17, 2011

DATE JULY 07, 2010

SCALE, FEET
0 100 200

HWY: I-94

COUNTY: MILWAUKEE

STATE R/W PROJECT NUMBER 1030-20-22/23

CONSTRUCTION PROJECT NUMBER

PLAT SHEET 4.22

PS&E SHEET E

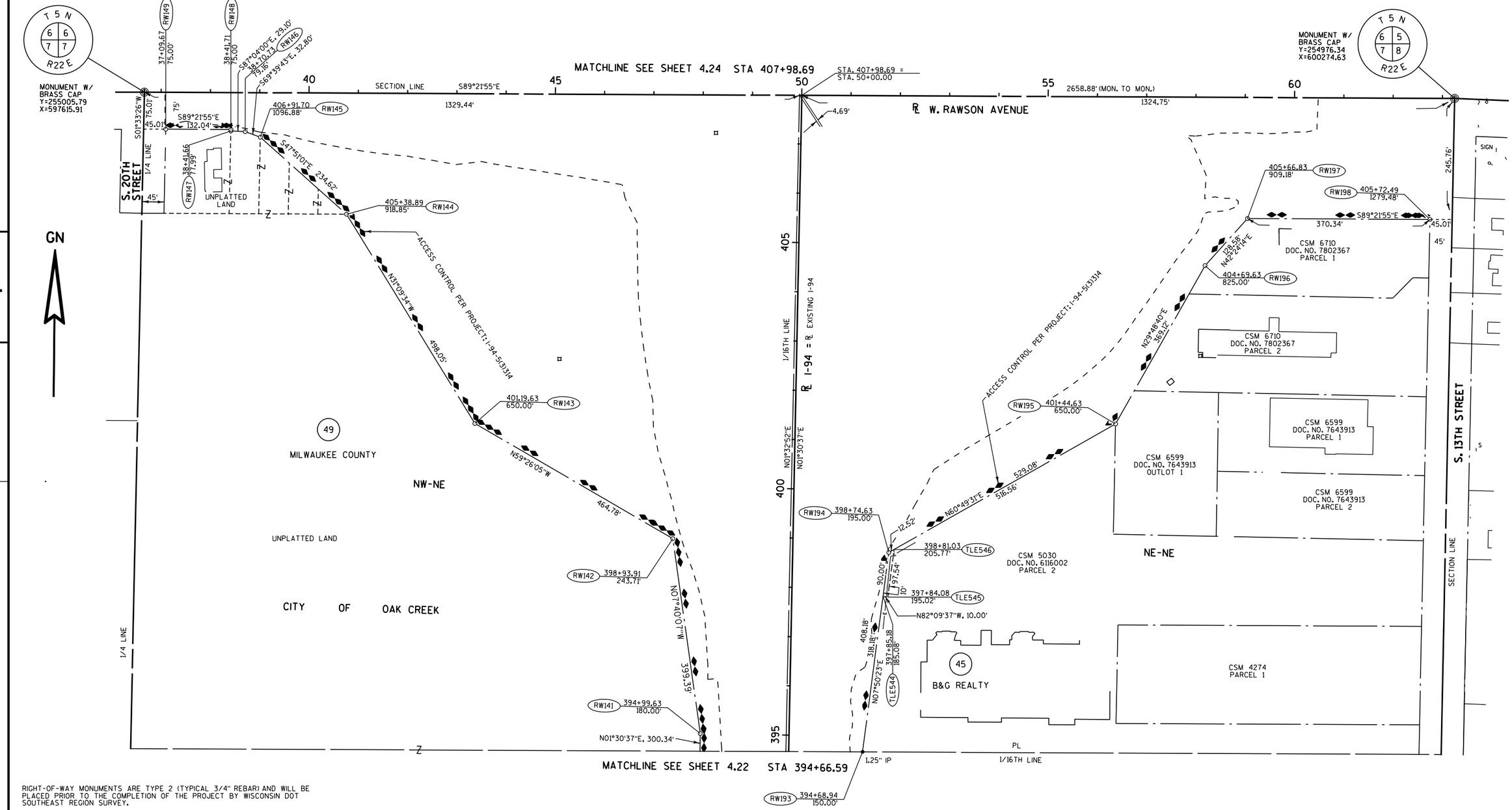
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PLOT DATE : 18-FEB-2011 07:48

PLOT BY : MSCBXD

PLOT NAME :

PLOT SCALE : 200:1
CONST.



RIGHT-OF-WAY MONUMENTS ARE TYPE 2 (TYPICAL 3/4" REBAR) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT BY WISCONSIN DOT SOUTHEAST REGION SURVEY.

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I-94 REFERENCE LINE IS CENTERLINE OF MEDIAN.

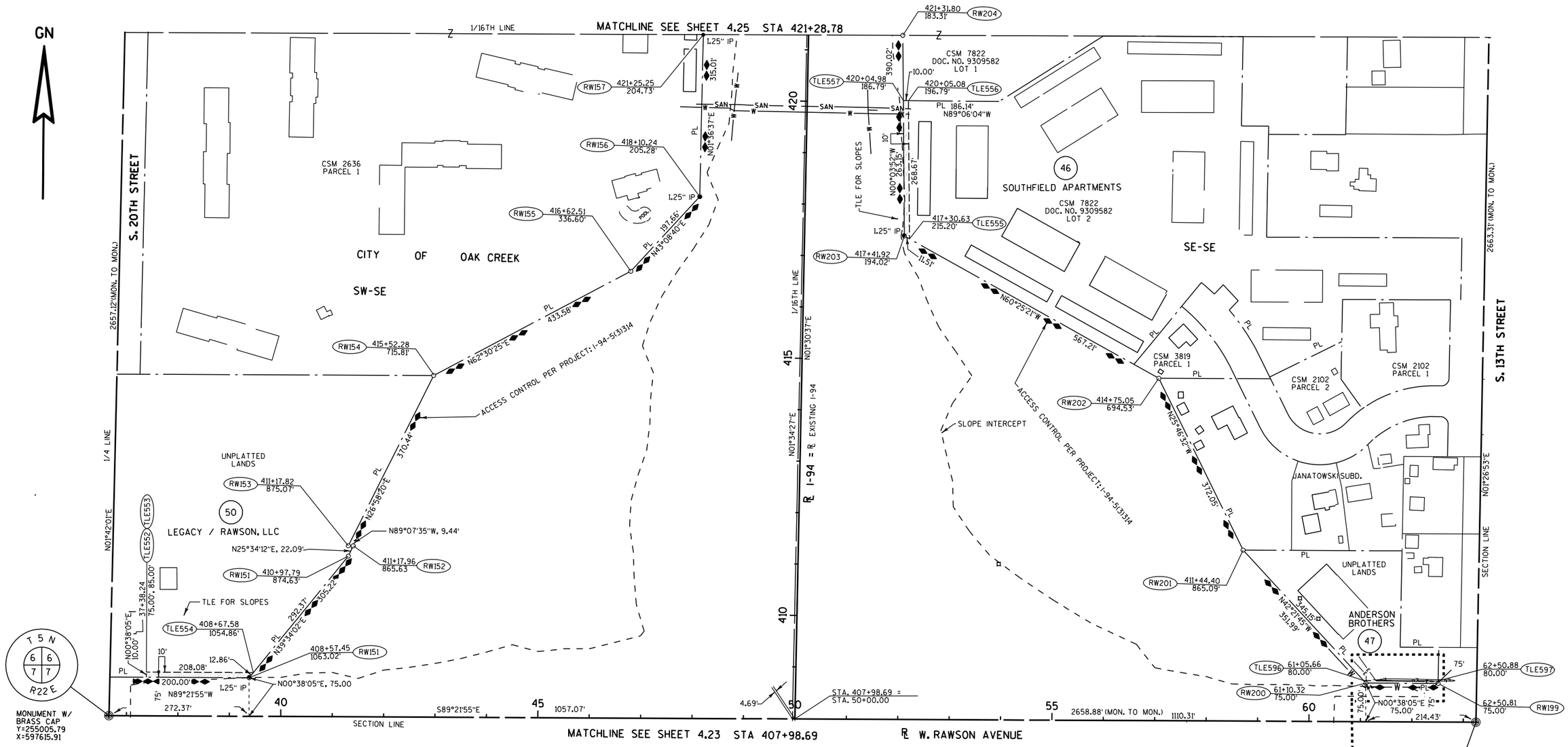
FOR THE LATEST ACCESS / DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE OF WAUKESHA.

HWY	BASIS OF EXISTING R/W	YEAR	WIDTH
I-94	I-94-5(3) 314	1957	VARIES
RAWSON AVENUE	I-94-5(3) 314	1957	VARIES
S. 13TH STREET	CSM 6710	1999	45'
S. 20TH STREET	I-94-5(3) 314	1957	45'

(100) WE ENERGIES - ELECTRIC
PARCEL 45 - (NO RECORD OF EASEMENT)

REVISION DATE DECEMBER 06, 2010 FEBRUARY 17, 2011	DATE JULY 07, 2010	SCALE, FEET 0 100 200	HWY: I-94	STATE R/W PROJECT NUMBER 1030-20-22/23	PLAT SHEET 4.23
			COUNTY: MILWAUKEE	CONSTRUCTION PROJECT NUMBER 1030-20-84	PS&E SHEET E

FILE NAME : S:\prelimPMwork\15.ProjBase\RW\MIL_South\cds\040423_RP.dgn PLOT DATE : 18-FEB-2011 07:49 PLOT BY : MSCBXD PLOT NAME : PLOT SCALE : 200:1



HWY	BASIS OF EXISTING R/W	YEAR	WIDTH
I-94	I-94-5(3) 314	1957	VARIES
RAWSON AVENUE	I-94-5(3) 314	1957	75'

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 (TYPICAL 3/4" REBAR) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT BY WISCONSIN DOT SOUTHEAST REGION SURVEY.

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I-94 REFERENCE LINE IS CENTERLINE OF MEDIAN.

FOR THE LATEST ACCESS / DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE OF WAUKESHA.

(100) WE ENERGIES - ELECTRIC
PARCEL 46 - DOC. 4834306
PARCEL 47 - DOC. 6331413

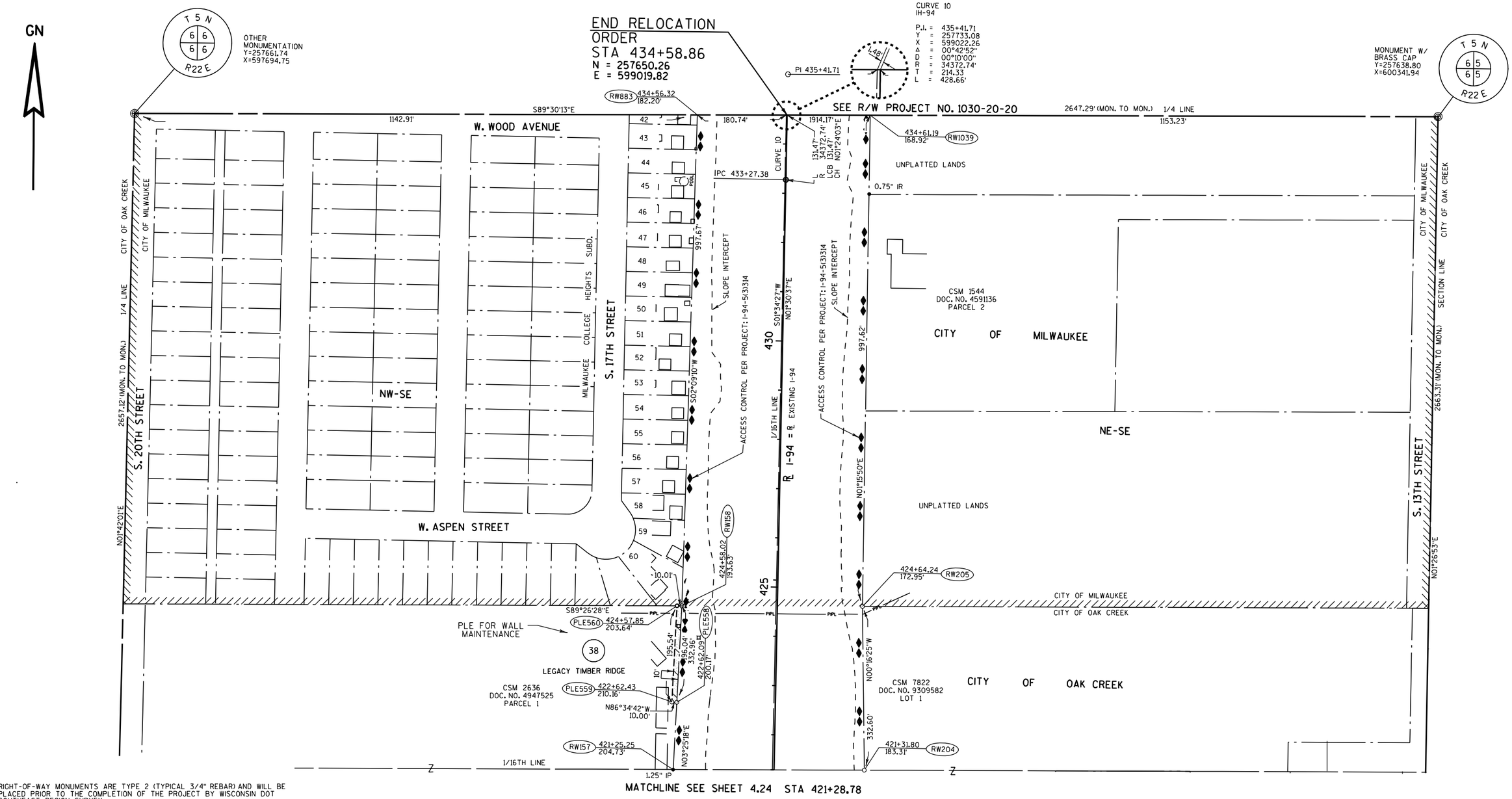
(103) AT&T WISCONSIN
PARCEL 47 - DOC. 6331413

(106) OAK CREEK WATER AND SEWER UTILITY
PARCEL 46 - DOC NO 4677711

UA206 OAK CREEK WATER AND SEWER UTILITY

REVISION DATE	DATE JULY 07, 2010	SCALE, FEET	HWY: I-94	STATE R/W PROJECT NUMBER 1030-20-22/23	PLAT SHEET 4.24	
DECEMBER 06, 2010 FEBRUARY 17, 2011		0 100 200	COUNTY: MILWAUKEE	CONSTRUCTION PROJECT NUMBER	PS&E SHEET	E

FILE NAME : S:\prelimPMwork\15.ProjBase\RW\MIL_South\cds\040424_RP.dgn PLOT DATE : 18-FEB-2011 07:50 PLOT BY : MSCBXD PLOT NAME : PLOT SCALE : 200:1



MATCHLINE SEE SHEET 4.24 STA 421+28.78

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 (TYPICAL 3/4" REBAR) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT BY WISCONSIN DOT SOUTHEAST REGION SURVEY.

RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY SYSTEM OR OTHER "SURVEYS OF PUBLIC RECORD".

COORDINATES AND BEARINGS ON THE PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, MILWAUKEE COUNTY, NAD 1983 (1997) ADJUSTMENT. ALL DISTANCES ARE GROUND LENGTH AND ARE REFERENCED TO GPS HARN POINTS GREENDALE GPS AND FRANKLIN S. GPS

I-94 REFERENCE LINE IS CENTERLINE OF MEDIAN.

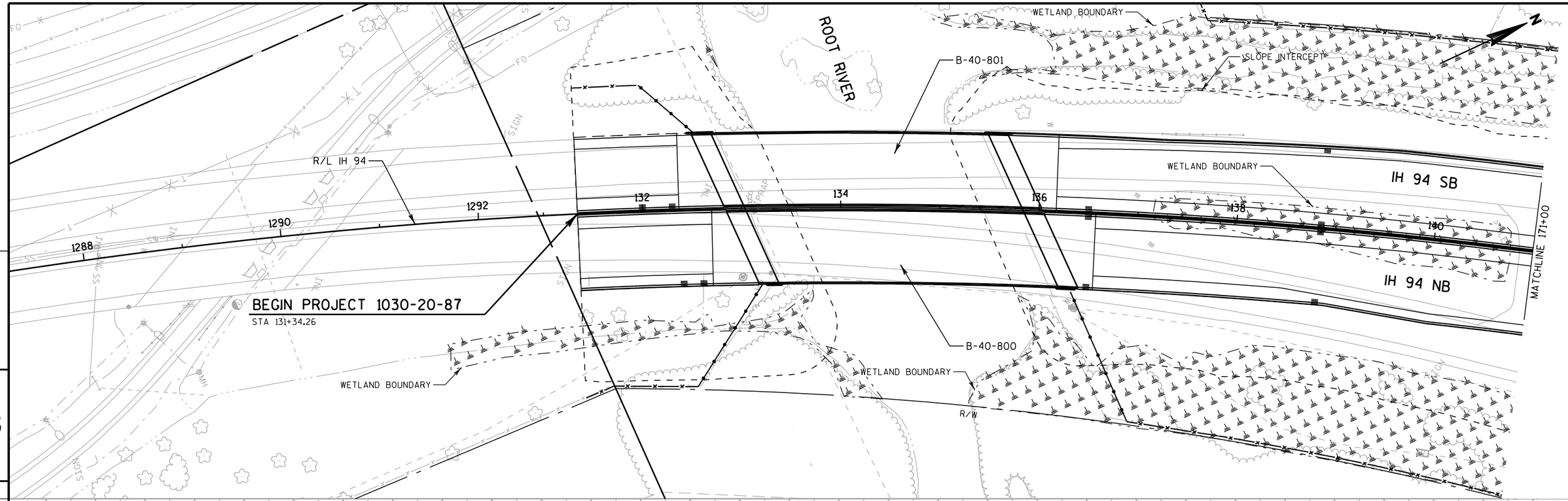
FOR THE LATEST ACCESS / DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE OF WAUKESHA.

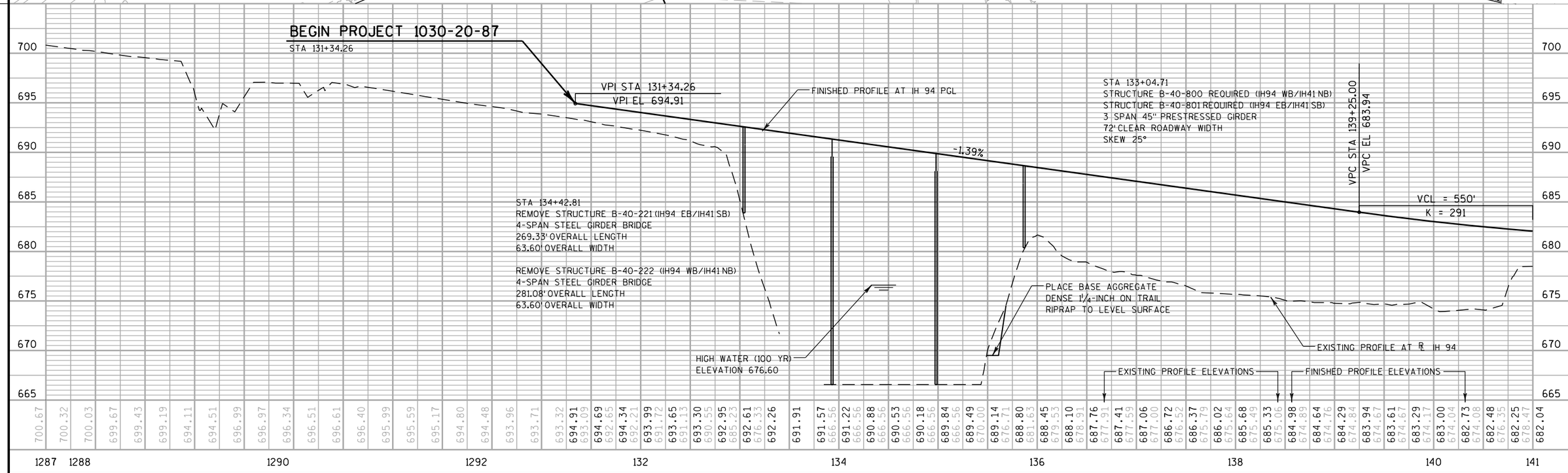
HWY	BASIS OF EXISTING R/W	YEAR	WIDTH
I-94	1-94-5(3) 314	1957	VARIES
--	--	--	--

(104) WEST SHORE PIPELINE COMPANY
PARCEL 38 - DOC. 3887432

REVISION DATE DECEMBER 06, 2010 FEBRUARY 17, 2011	DATE JULY 07, 2010	SCALE, FEET 0 100 200	HWY: I-94	STATE R/W PROJECT NUMBER 1030-20-22/23	PLAT SHEET 4.25
			COUNTY: MILWAUKEE	CONSTRUCTION PROJECT NUMBER	PS&E SHEET E

FILE NAME : S:\prelimPMwork\15.ProjBase\RW\MIL_South\cds\040425_RP.dgn PLOT DATE : 18-FEB-2011 07:51 PLOT BY : MSCBXD PLOT NAME : PLOT SCALE : 200:1

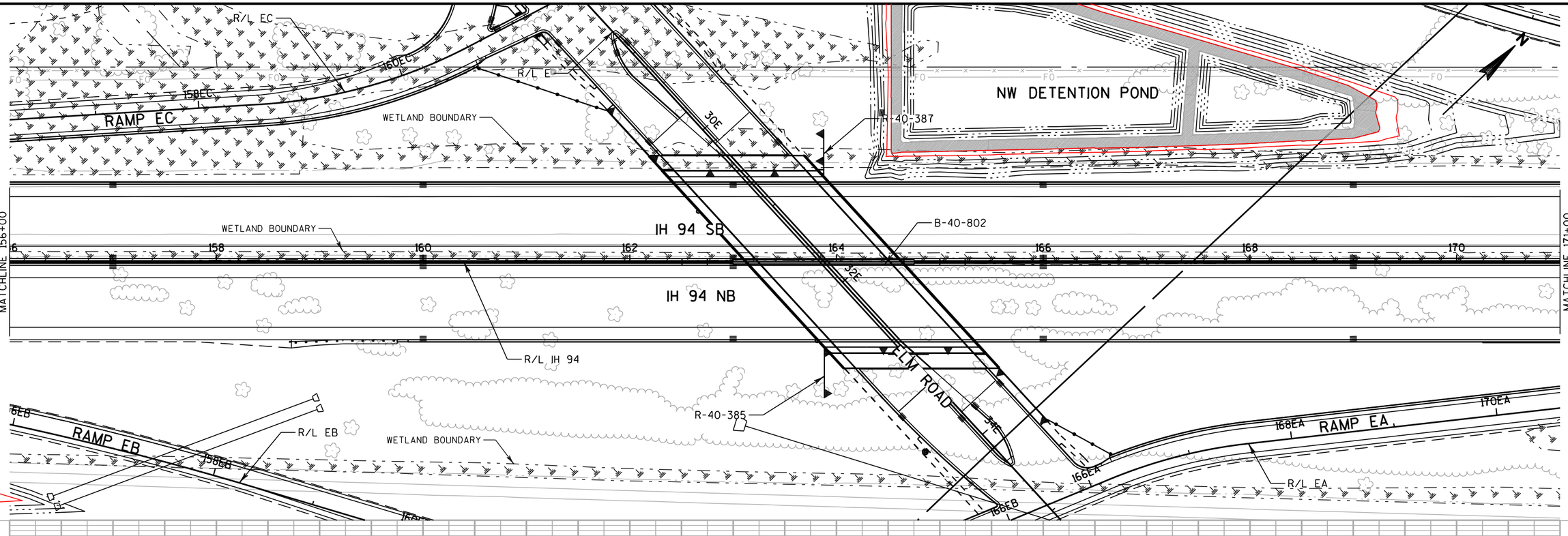




PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PLAN & PROFILE: IH 94	SHEET	E

WETLAND BOUNDARY
144EC
146EC
148EC
R/L EC
150EC
152EC
154EC
RAMP EC
156EC
WETLAND BOUNDARY
MATCHLINE 171+00
142
144
146
148
150
152
154
IH 94 SB
MATCHLINE 156+00
R/L IH 94
148EB
150EB
152EB
154EB
RAMP EB
IH 94 NB
R/L EB
WETLAND BOUNDARY
S-40-590
SLOPE INTERCEPT
WETLAND BOUNDARY
SE DETENTION POND
5
5
700
695
690
685
680
675
670
665
VPT STA 144+75.00
VPT ELL 681.51
LP STA 143+28.89
LP EL 681.14
VCL = 550'
K = 291
VPI STA 142+00.00
VPI EL 680.13
FINISHED PROFILE AT IH 94 PGL
0.50%
EXISTING PROFILE AT ℄ IH 94
EXISTING PROFILE ELEVATIONS
FINISHED PROFILE ELEVATIONS
678.47
682.04 677.95
681.86 674.21
681.69 674.06
681.55 673.99
681.43 673.97
681.33 673.84
681.25 673.81
681.19 674.11
681.16 674.23
681.14 674.28
681.15 674.50
681.18 674.63
681.23 674.73
681.30 674.91
681.39 674.95
681.51 675.17
681.63 675.38
681.76 675.80
681.89 675.70
682.01 675.72
682.14 676.03
682.26 676.20
682.39 676.29
682.51 676.39
682.64 676.44
682.76 676.44
682.89 676.45
683.01 676.49
683.14 676.70
683.26 676.66
683.39 676.92
683.52 676.86
683.64 676.93
683.77 677.09
683.89 677.14
684.02 677.23
684.14 677.08
684.27 677.34
684.39 677.59
684.52 678.07
684.64 678.17
684.77 678.29
684.89 678.47
685.02 678.75
685.15 678.73
685.27 678.71
685.40 678.60
685.52 678.57
685.65 678.74
685.77 679.12
685.90 679.47
686.02 679.35
686.15 679.43
686.27 679.63
686.40 679.97
686.52 680.15
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687.15
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148
150
152
154
156

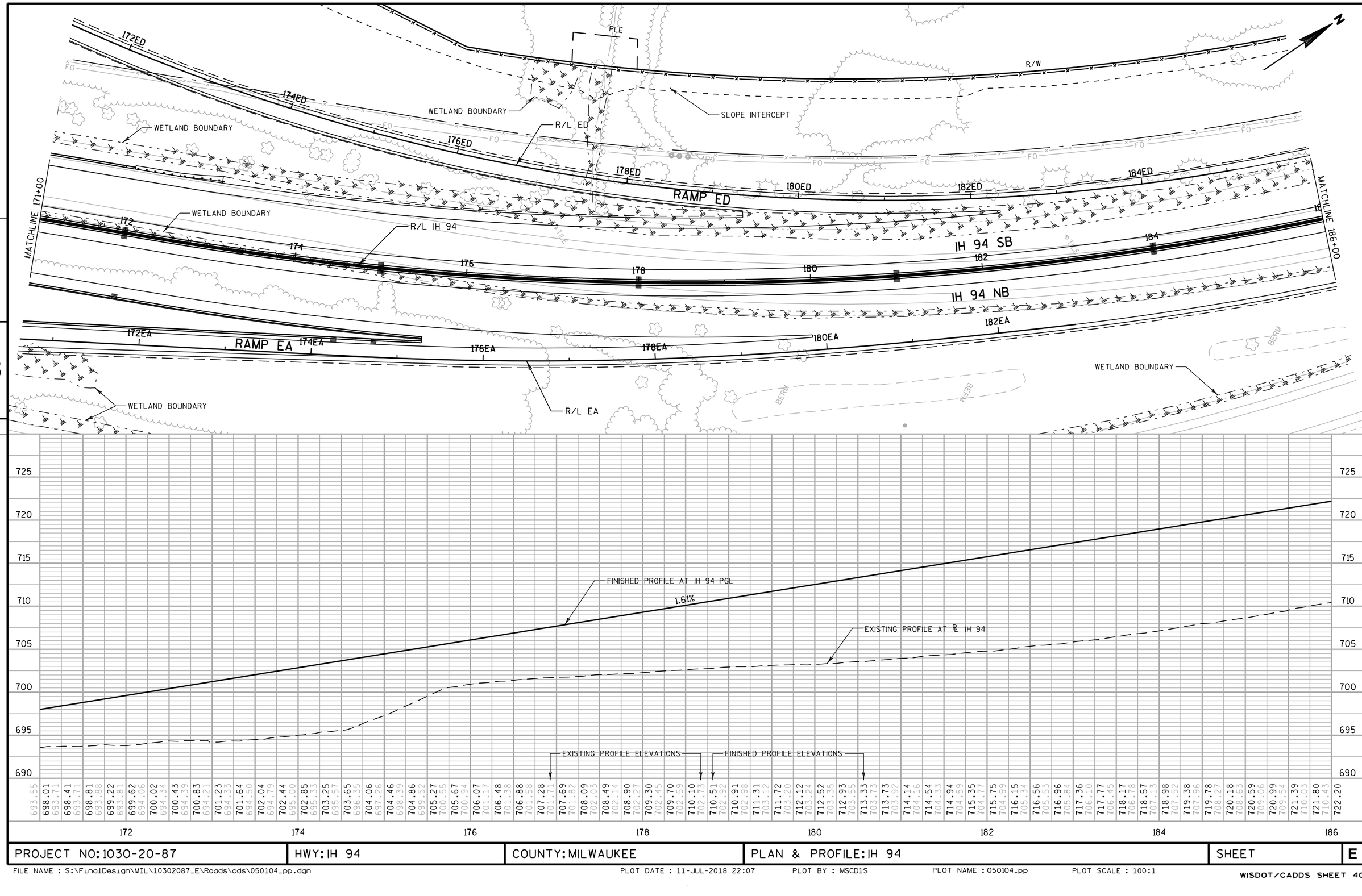
PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PLAN & PROFILE: IH 94	SHEET	E



PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PLAN & PROFILE: IH 94	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\050103_pp.dgn PLOT DATE : 11-JUL-2018 22:07 PLOT BY : MSCD1S PLOT NAME : 050103_pp PLOT SCALE : 100:1

WISDOT/CADDS SHEET 40



172	174	176	178	180	182	184	186
693.55	698.01 693.71	698.41 693.71	698.81 693.88	699.22 693.81	699.62 694.06	700.02 694.34	700.43 694.39
700.83 694.21	701.23 694.33	701.64 694.50	702.04 694.79	702.44 695.00	702.85 695.33	703.25 695.57	703.65 696.35
704.06 697.26	704.46 698.39	704.86 699.52	705.27 700.55	705.67 700.94	706.07 701.17	706.48 701.38	706.88 701.58
707.28 701.71	707.69 701.82	708.09 702.03	708.49 702.14	708.90 702.27	709.30 702.45	709.70 702.59	710.10 702.73
710.51 702.92	710.91 702.98	711.31 703.12	711.72 703.20	712.12 703.24	712.52 703.35	712.93 703.55	713.33 703.73
713.73 703.92	714.14 704.16	714.54 704.33	714.94 704.59	715.35 704.77	715.75 704.99	716.15 705.34	716.56 705.53
716.96 705.84	717.36 706.10	717.77 706.45	718.17 706.78	718.57 707.13	718.98 707.52	719.38 707.96	719.78 708.27
720.18 708.63	720.59 709.06	720.99 709.54	721.39 710.03	721.80 710.43	722.20		

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PLAN & PROFILE: IH 94	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\050104_pp.dgn PLOT DATE : 11-JUL-2018 22:07 PLOT BY : MSCD1S PLOT NAME : 050104_pp PLOT SCALE : 100:1

R/L KW

R/W

SLOPE INTERCEPT

S-40-591

B-40-804

WETLAND BOUNDARY

OAKWOOD ROAD

WETLAND BOUNDARY

MATCHLINE 186+00

IH 94 SB

IH 94 NB

MATCHLINE 201+00

WETLAND BOUNDARY

B-40-803

N

5

5

VPC STA 188+25.00
VPC EL 725.83

HP STA 193+83.02
HP EL 730.33

VPI STA 194+50.00
VPI EL 735.91

VPT STA 200+75.00
VPT EL 723.41

FINISHED PROFILE AT IH 94 PGL

EXISTING PROFILE AT IH 94

1.61%

-2.00%

VCL = 1250'
K = 346

STA 195+15.00
REMOVE STRUCTURE B-40-223
3-SPAN HAUNCHED SLAB BRIDGE
132.42' OVERALL LENGTH
55.00' OVERALL WIDTH

REMOVE STRUCTURE B-40-224
3-SPAN HAUNCHED SLAB BRIDGE
132.42' OVERALL LENGTH
55.00' OVERALL WIDTH

STA 194+41.29
STRUCTURE B-40-803 REQUIRED (IH94 WB/IH41 NB)
3-SPAN HAUNCHED SLAB BRIDGE
72' CLEAR ROADWAY WIDTH
SKEW 97° 19' 32"

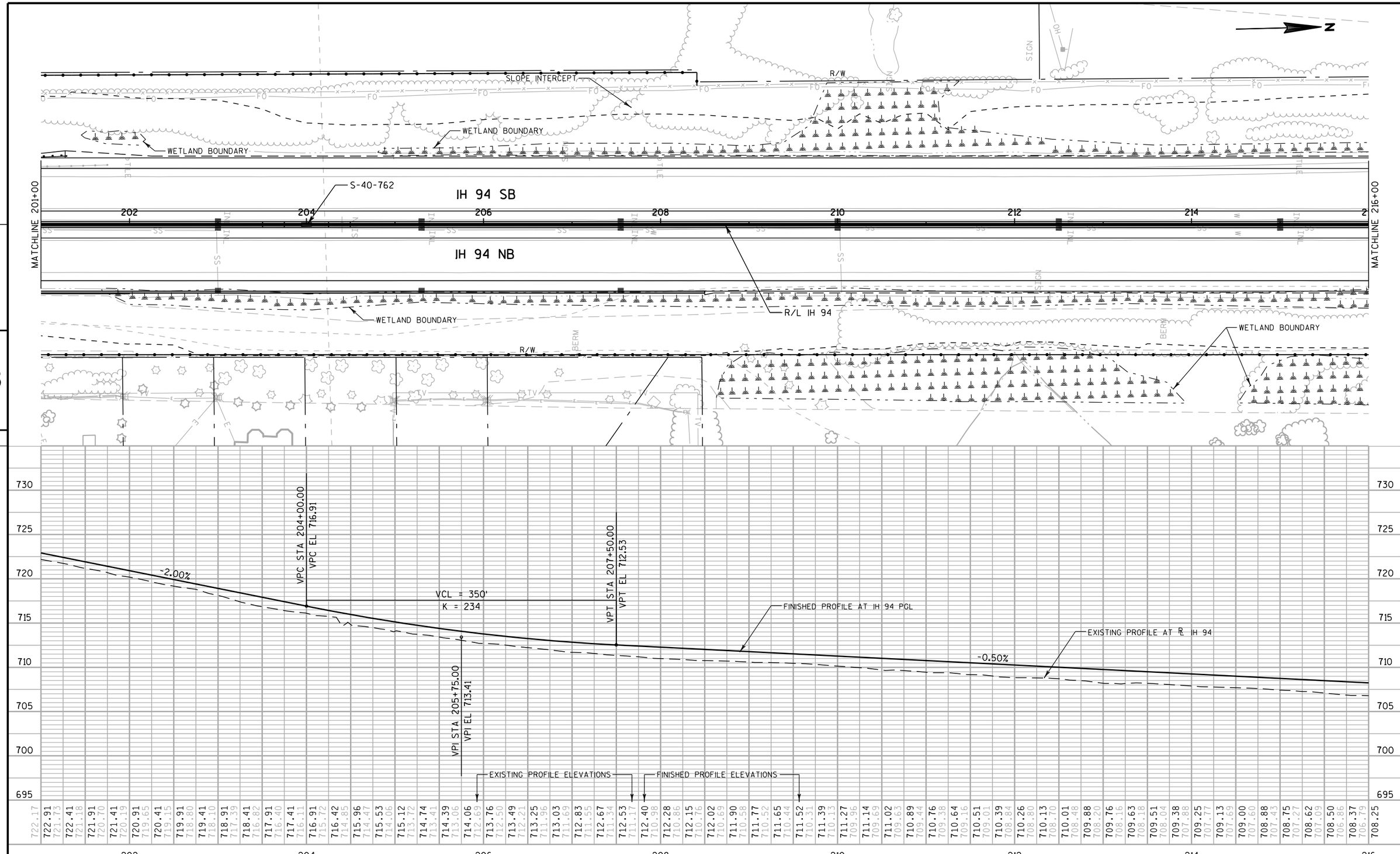
STA 194+41.29
STRUCTURE B-40-804 REQUIRED (IH94 EB/IH41 SB)
3-SPAN HAUNCHED SLAB BRIDGE
72' CLEAR ROADWAY WIDTH
SKEW 97° 19' 32"

740 735 730 725 720 715 710 705

EXISTING PROFILE ELEVATIONS

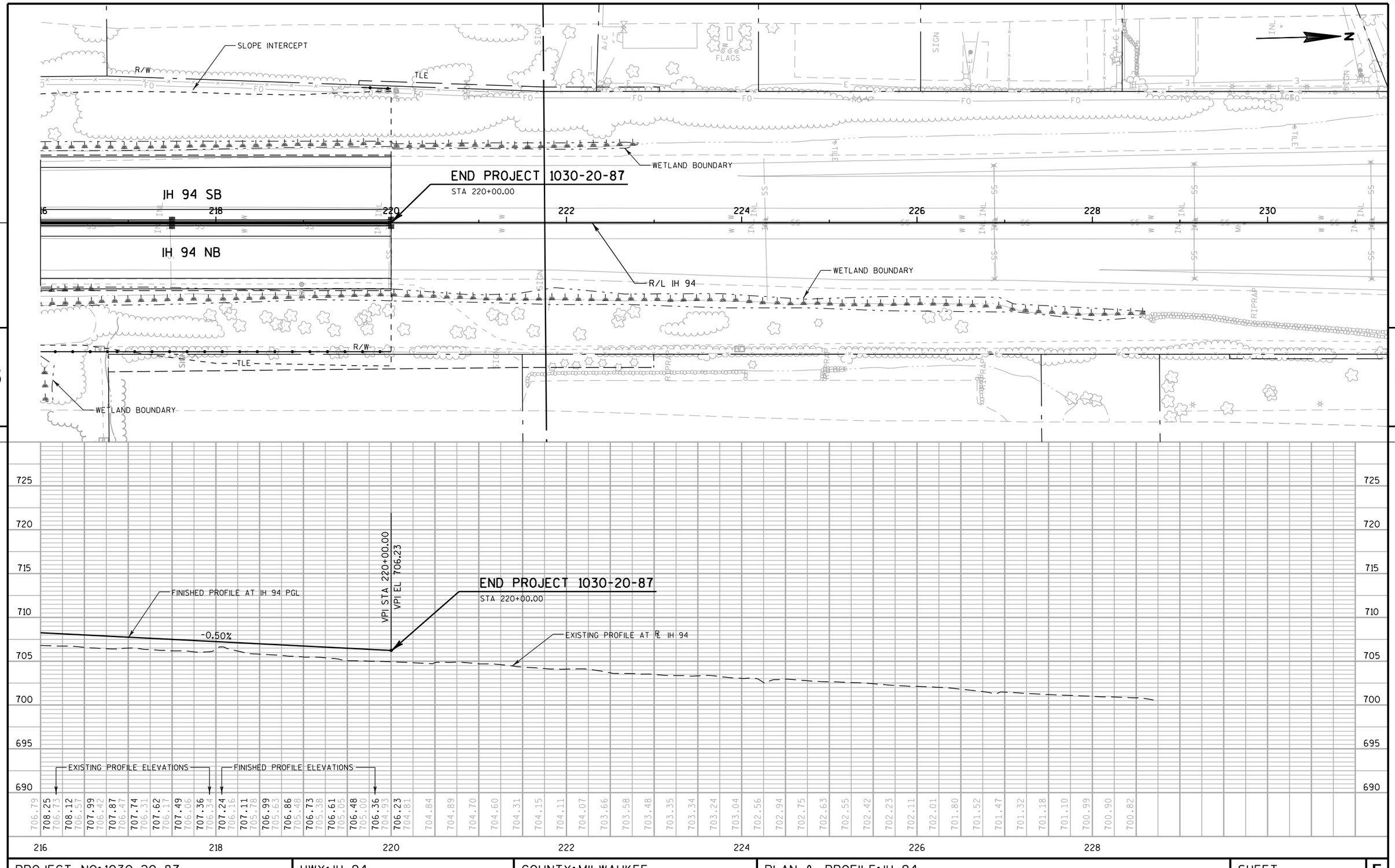
FINISHED PROFILE ELEVATIONS

| | | |



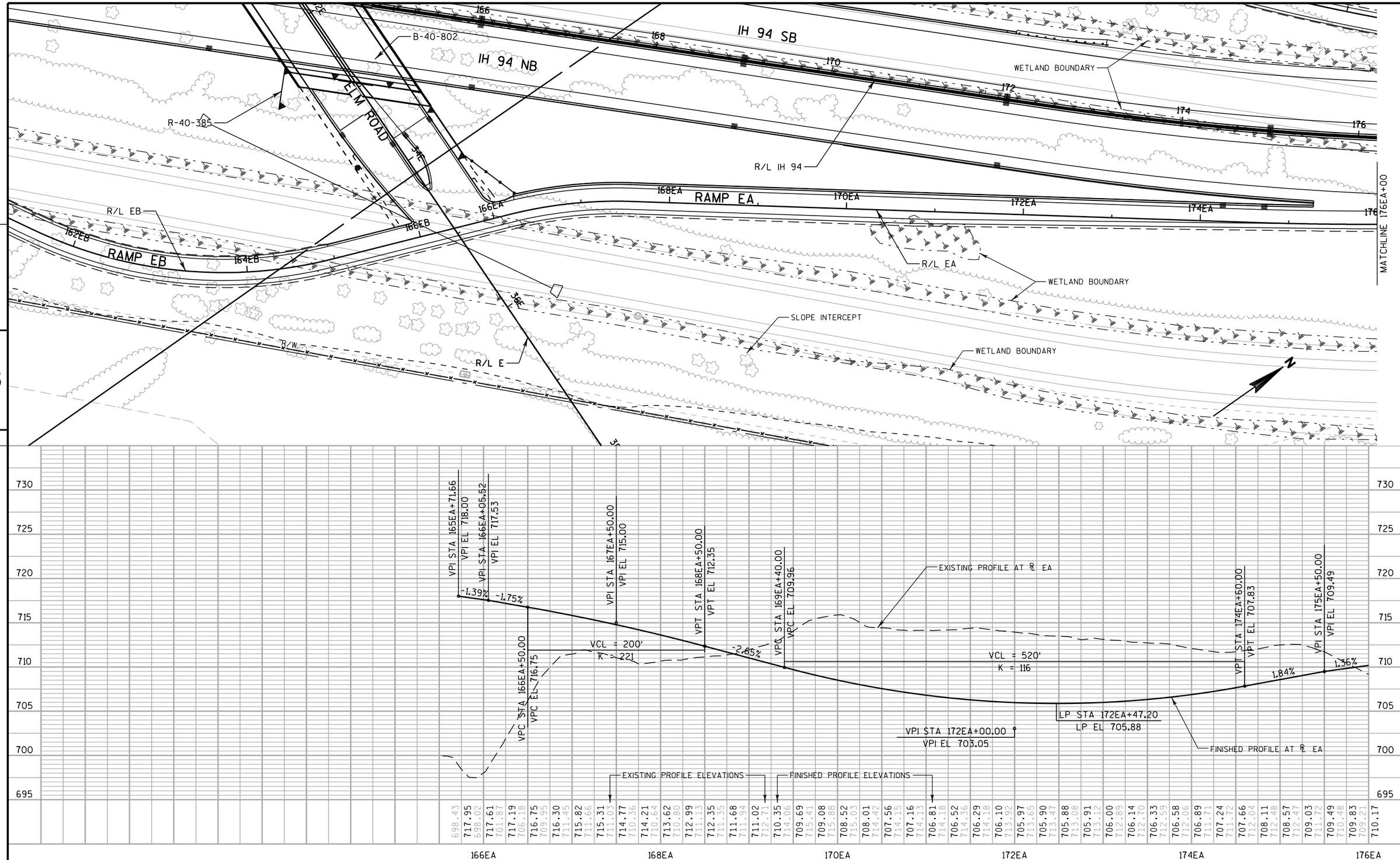
PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PLAN & PROFILE: IH 94	SHEET	E

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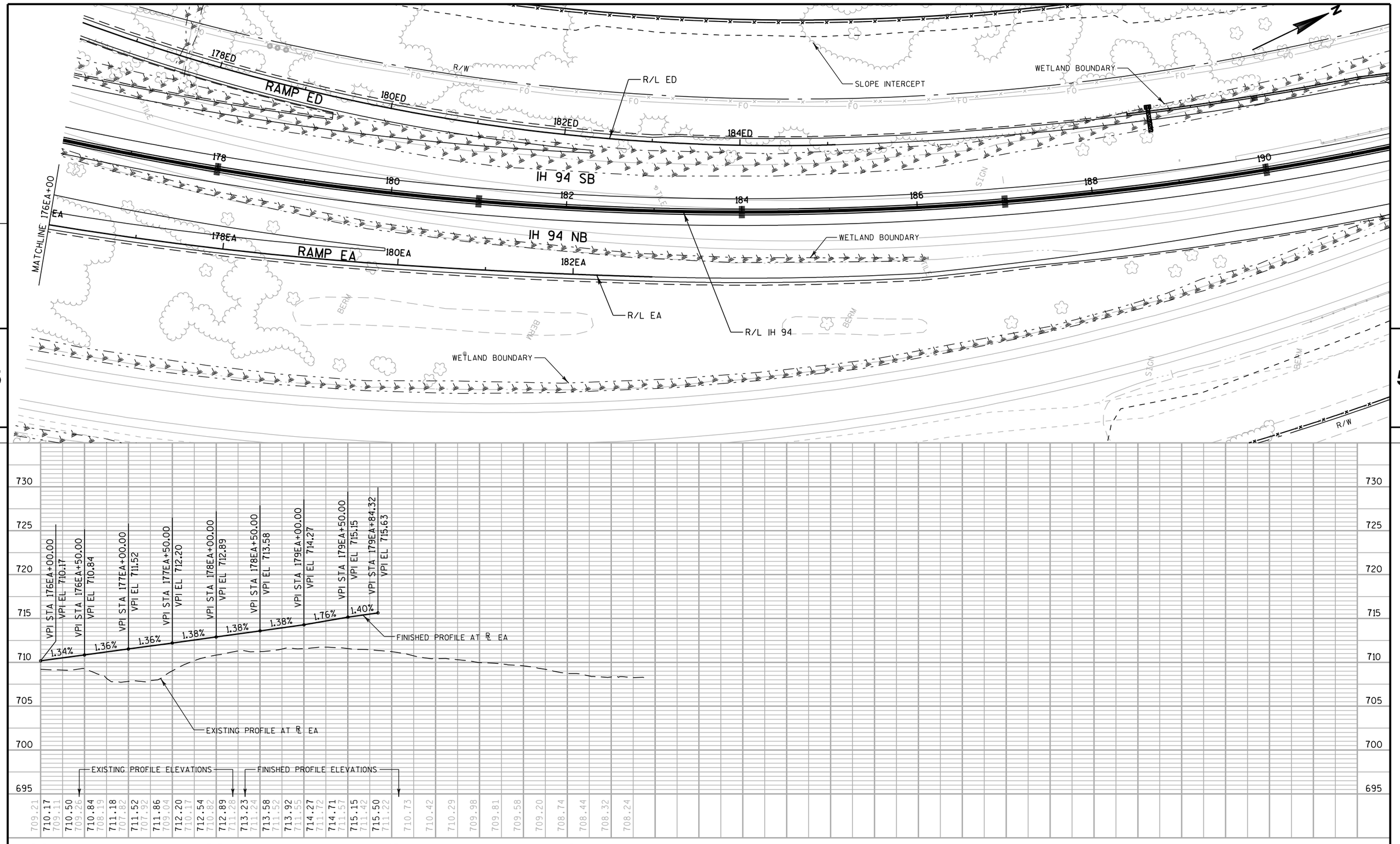


PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PLAN & PROFILE: IH 94	SHEET	E

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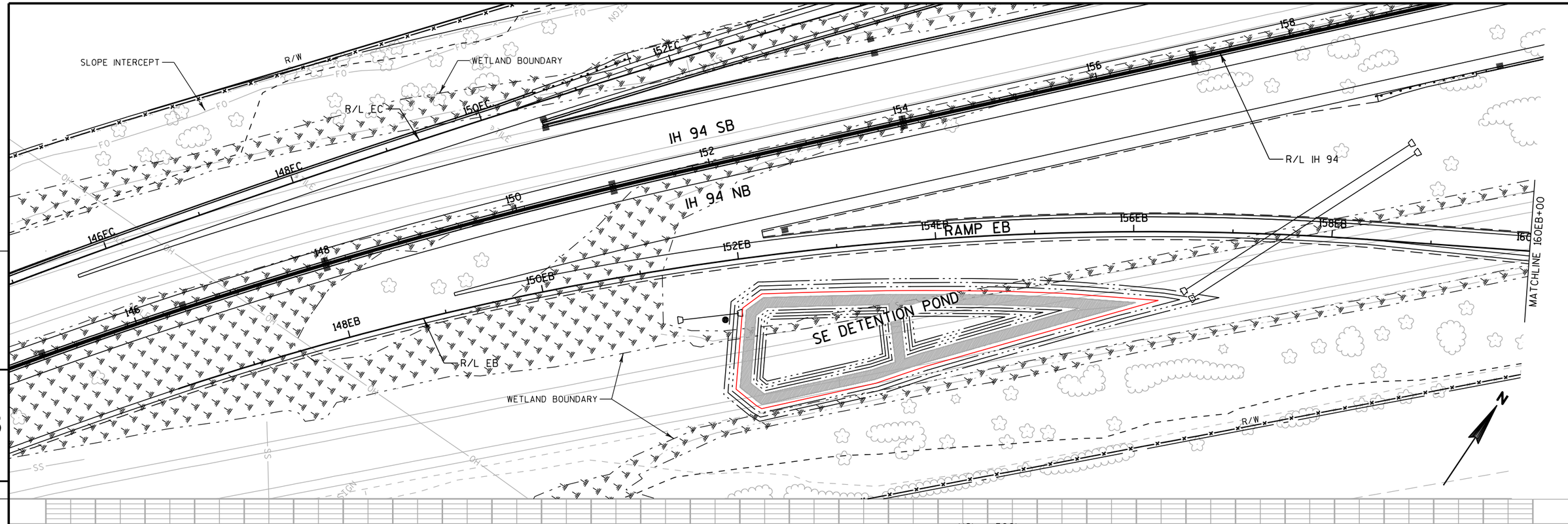


PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PLAN & PROFILE: RAMP EA	SHEET	E



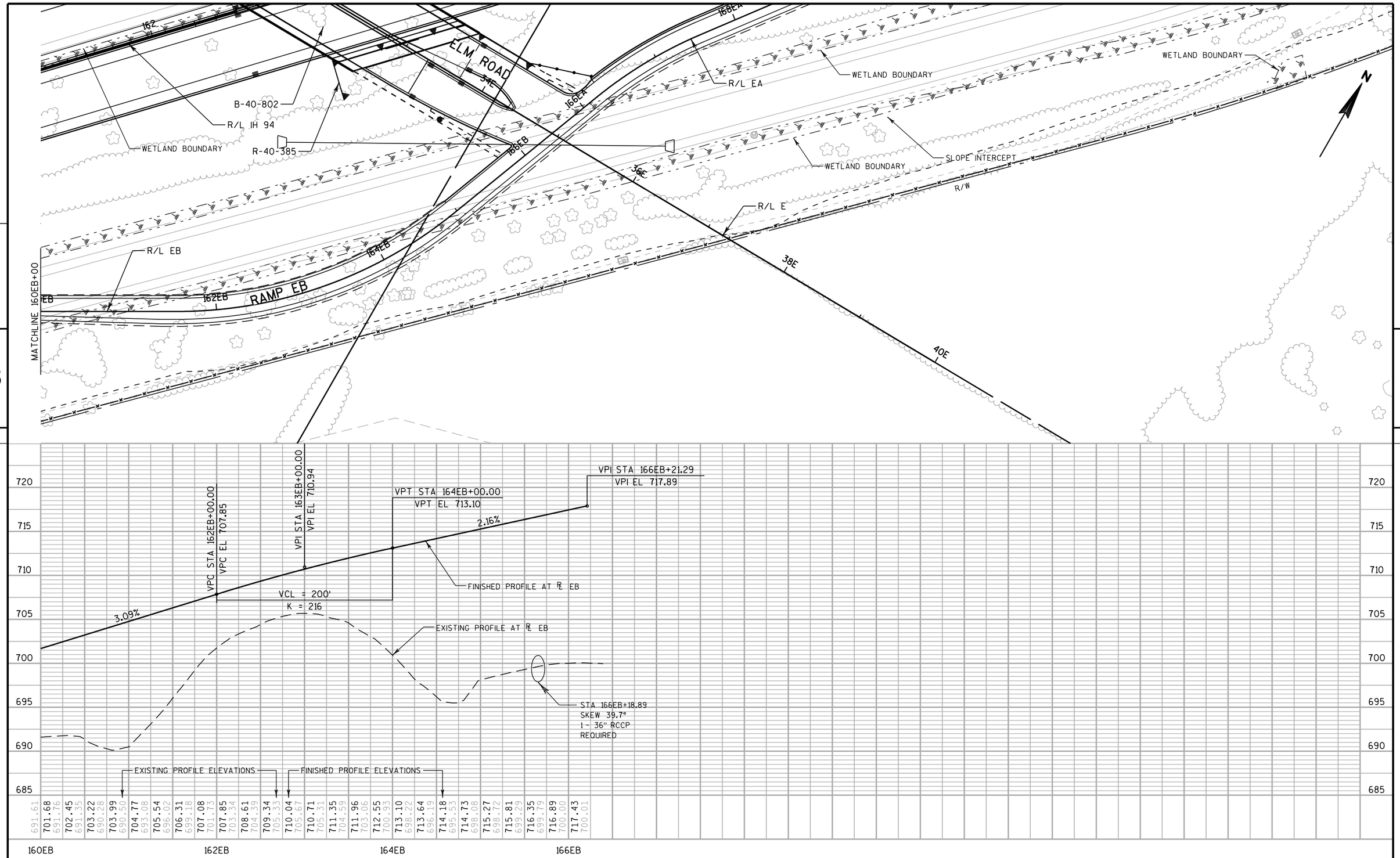
PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PLAN & PROFILE: RAMP EA	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\050312_pp.dgn PLOT DATE : 11-JUL-2018 22:08 PLOT BY : MSCD1S PLOT NAME : 050312_pp PLOT SCALE : 100:1



PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PLAN & PROFILE: RAMP EB	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\050313_pp.dgn PLOT DATE : 11-JUL-2018 22:08 PLOT BY : MSCD1S PLOT NAME : 050313_pp PLOT SCALE : 100:1



PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PLAN & PROFILE: RAMP EB	SHEET	E

R/W

WETLAND BOUNDARY

SLOPE INTERCEPT

R/L EC

144EC 146EC 148EC 150EC 152EC 154EC 156

RAMP EC

MATCHLINE 156+00

R/L IH 94

142 144 146 148 150 152 154

IH 94 SB

IH 94 NB

148EB 150EB 152EB 154EB

RAMP EB

R/L EB

WETLAND BOUNDARY

S-40-590

WETLAND BOUNDARY

5 5

710 705 700 695 690 685 680 675

VPI STA 145EC+64.11
VPI EL 684.25
0.25%

VPI STA 146EC+00.00
VPI EL 684.34
0.36%

VPI STA 146EC+50.00
VPI EL 684.51
0.60%

VPI STA 147EC+00.00
VPI EL 684.81
0.61%

VPI STA 147EC+50.00
VPI EL 685.12
0.63%

VPI STA 148EC+00.00
VPI EL 685.43
0.64%

VPI STA 148EC+50.00
VPI EL 685.75
0.66%

VPI STA 149EC+00.00
VPI EL 686.08
0.66%

VPI STA 149EC+50.00
VPI EL 686.41
0.68%

VPI STA 150EC+00.00
VPI EL 686.75
0.84%

VPI STA 150EC+50.00
VPI EL 687.17
0.50%

VPC STA 152EC+50.00
VPC EL 688.17

VCL = 400'
K = 123

VPI STA 154EC+50.00
VPI EL 689.17

FINISHED PROFILE AT R EC

EXISTING PROFILE AT R EC

EXISTING PROFILE ELEVATIONS

FINISHED PROFILE ELEVATIONS

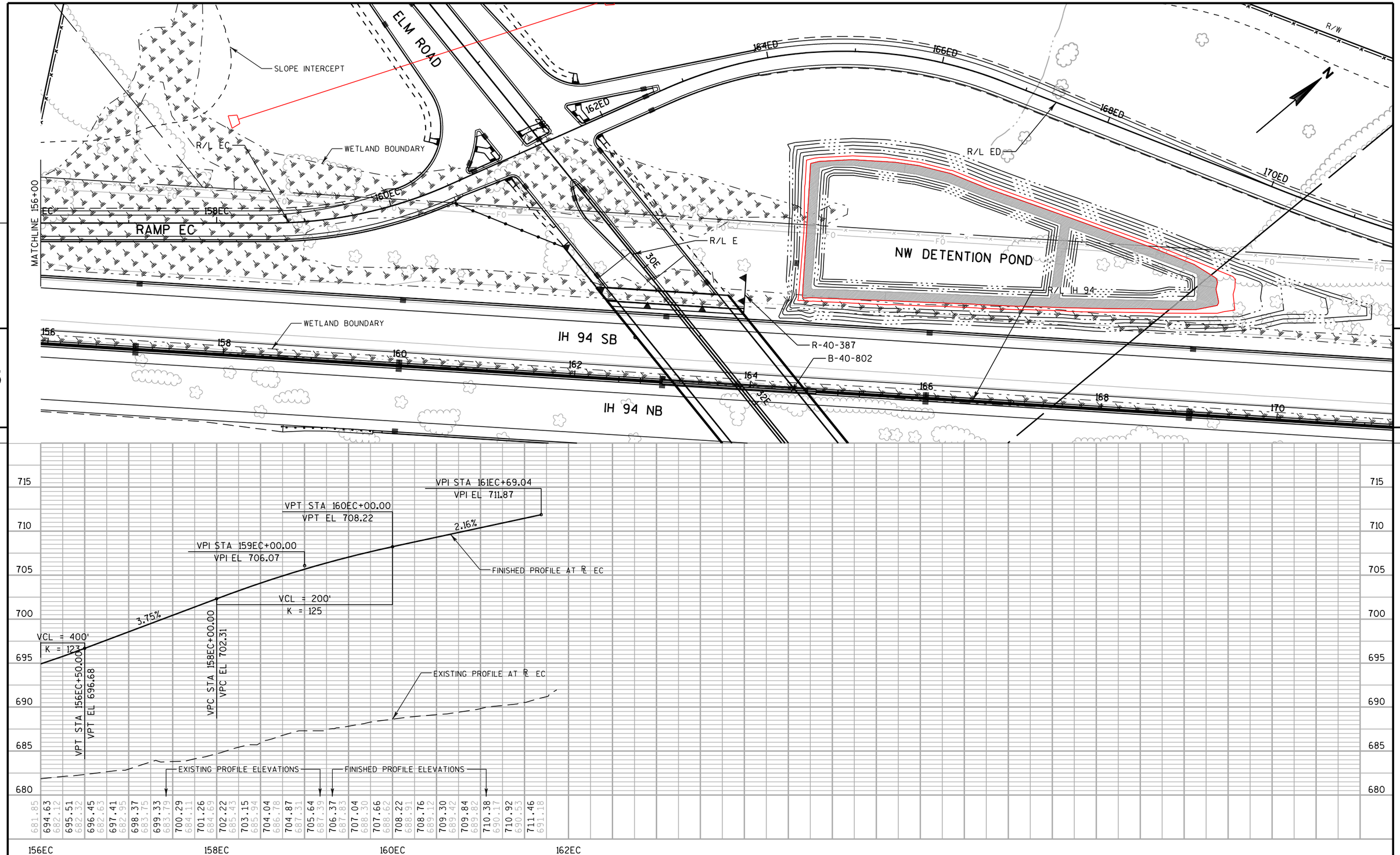
680.77 680.81 680.90 681.05 681.10 681.12 681.32 681.37 681.56 681.66 681.68 681.73 681.86 684.27 681.88 684.34 681.97 684.43 682.12 684.51 682.25 684.66 682.36 684.81 682.44 684.96 682.43 685.12 682.16 685.27 682.02 685.43 681.75 685.59 681.18 685.75 680.61 685.92 679.85 686.08 678.99 686.24 678.04 686.41 677.35 686.58 676.83 686.75 676.48 686.96 676.31 687.17 676.39 687.29 676.39 687.42 676.54 687.54 677.21 687.67 677.85 687.79 678.02 687.92 678.47 688.04 678.71 688.17 679.25 688.32 679.67 688.52 679.61 688.77 680.18 689.08 680.61 689.43 681.16 689.84 681.75 690.29 682.28 690.80 681.79 691.35 681.91 691.96 682.17 692.62 681.73 693.33 681.48 694.09 681.85 694.90

142EC 144EC 146EC 148EC 150EC 152EC 154EC 156EC

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PLAN & PROFILE: RAMP EC	SHEET	E

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WISDOT/CADDS SHEET 40



PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PLAN & PROFILE: RAMP EC	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\050316_pp.dgn PLOT DATE : 11-JUL-2018 22:09 PLOT BY : MSCD1S PLOT NAME : 050316_pp PLOT SCALE : 100:1

R/W

R/W

SLOPE INTERCEPT

R/L ED

R/L E

166ED

164ED

RAMP ED

168ED

170ED

172ED

MATCHLINE 174ED+00

28E

ELM ROAD

162ED

NW DETENTION POND

WETLAND BOUNDARY

36EC

30E

B-40-387

B-40-802

WETLAND BOUNDARY

IH 94 SB

WETLAND BOUNDARY

R/L IH 94

R/L EC

IH 94 NB

VPI STA 161ED+42.85
VPI EL 711.95

VPC STA 162ED+28.62
VPC EL 710.49

-1.70%

VCL = 200'
K = 167

VPT STA 164ED+28.62
VPT EL 708.29

VPI STA 163ED+28.62
VPI EL 708.79

-0.50%

EXISTING PROFILE AT R ED

FINISHED PROFILE AT R ED

VCL = 540'
K = 286

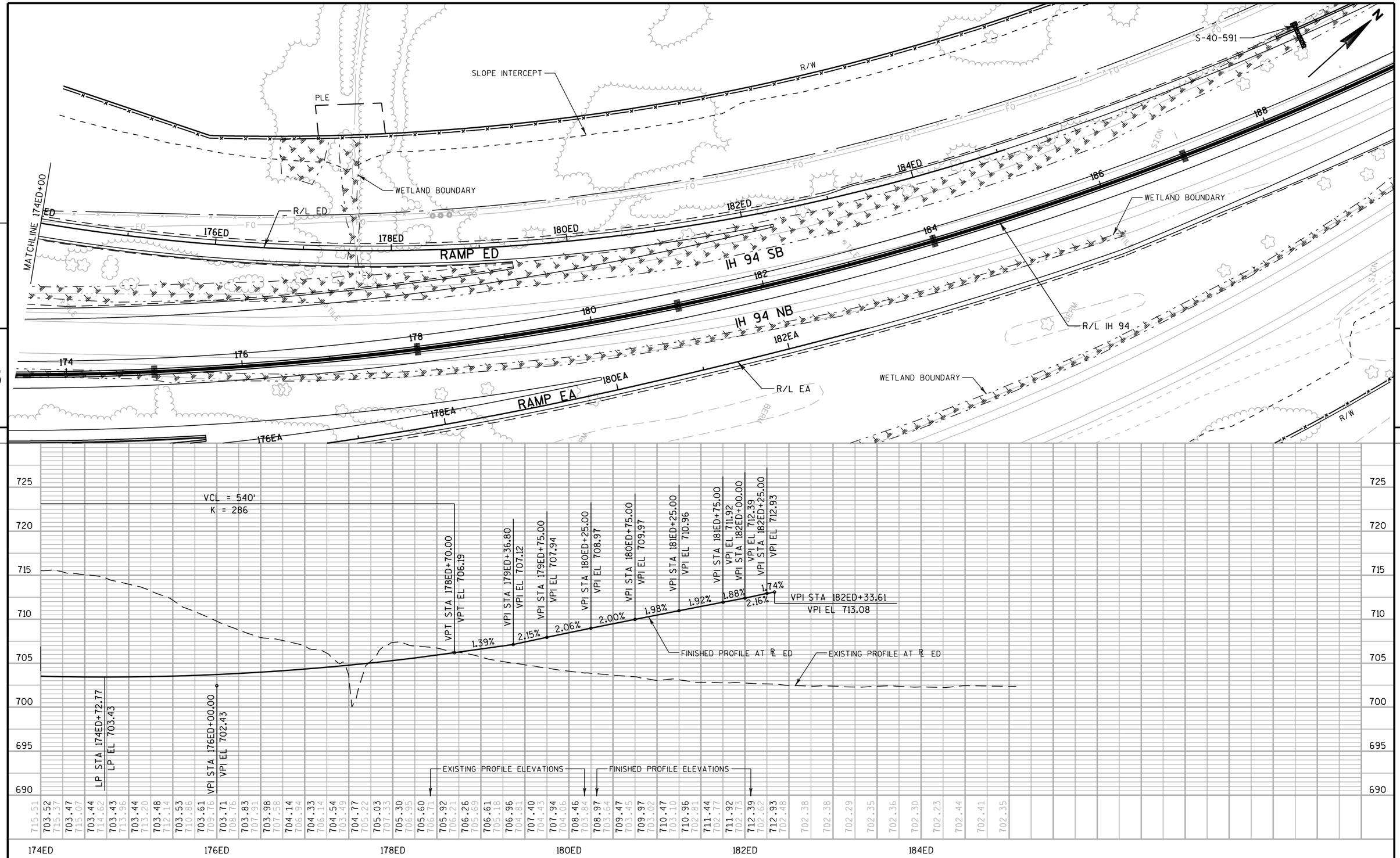
VPC STA 173ED+30.00
VPC EL 703.78

EXISTING PROFILE ELEVATIONS

FINISHED PROFILE ELEVATIONS

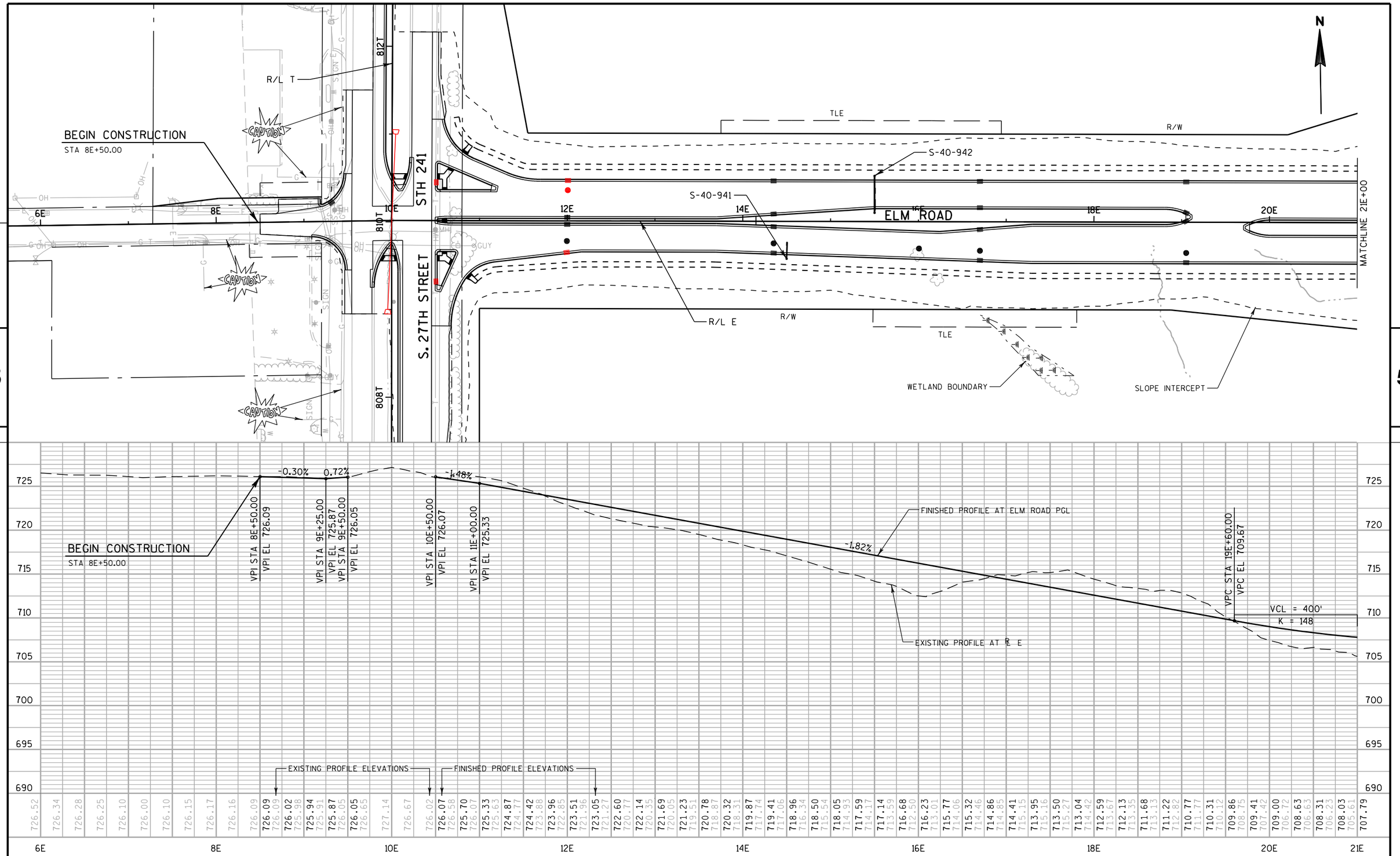
162ED	164ED	166ED	168ED	170ED	172ED	174ED
692.46	711.83 693.16	711.40 693.90	710.98 695.02	710.55 695.90	710.14 696.46	709.77 696.95
709.43 698.31	709.13 699.45	708.87 700.65	708.65 702.00	708.46 703.73	708.31 705.41	708.18 707.06
708.06 708.58	707.93 709.36	707.81 709.82	707.68 709.49	707.56 708.16	707.43 706.64	707.31 704.88
707.18 703.05	707.06 700.84	706.93 699.31	706.81 700.60	706.68 702.18	706.56 703.66	706.43 704.85
706.31 705.63	706.18 706.50	706.06 707.33	705.93 708.18	705.81 709.20	705.68 709.92	705.56 710.41
705.43 711.10	705.31 711.82	705.18 712.86	705.06 713.76	704.93 714.84	704.81 715.40	704.68 715.75
704.56 715.94	704.43 715.86	704.31 715.66	704.18 715.51	704.06 715.44	703.93 715.33	703.81 714.98
703.69 715.32	703.60 715.51	703.52				

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PLAN & PROFILE: RAMP ED	SHEET	E

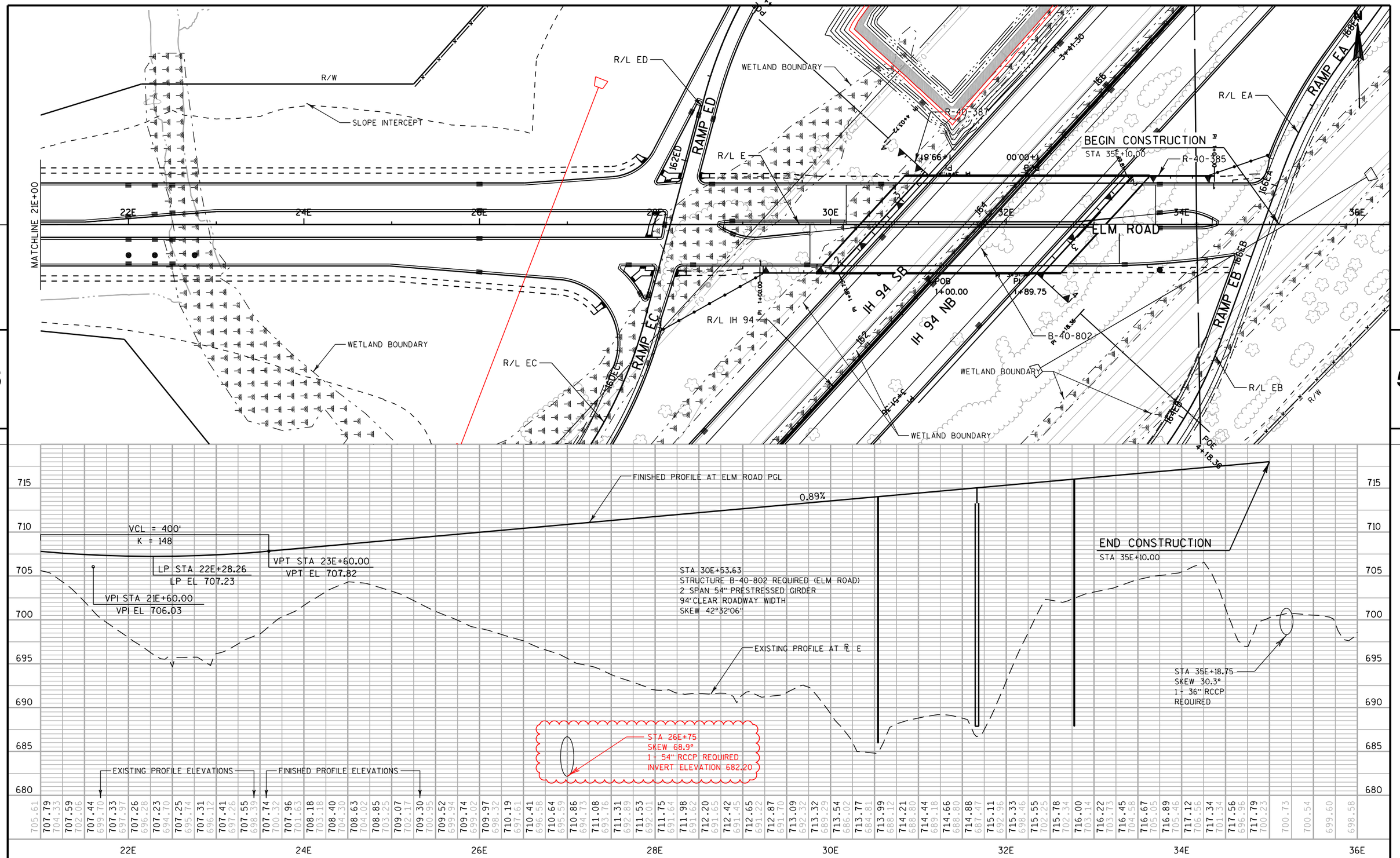


PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PLAN & PROFILE: RAMP ED	SHEET	E

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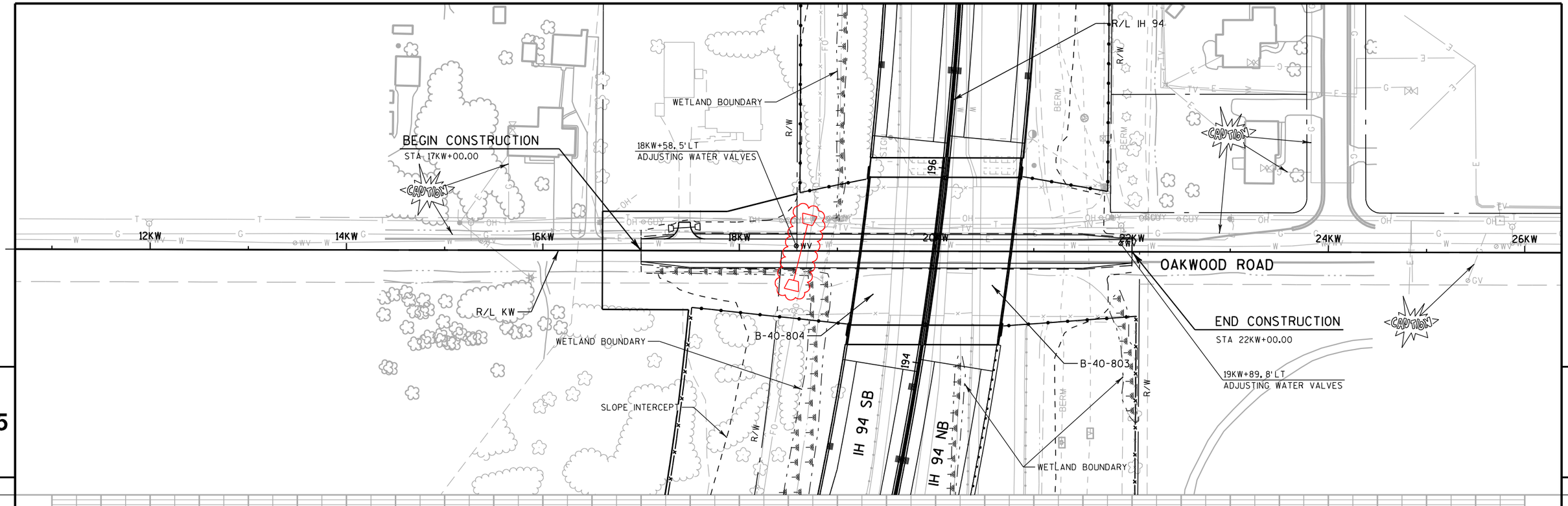


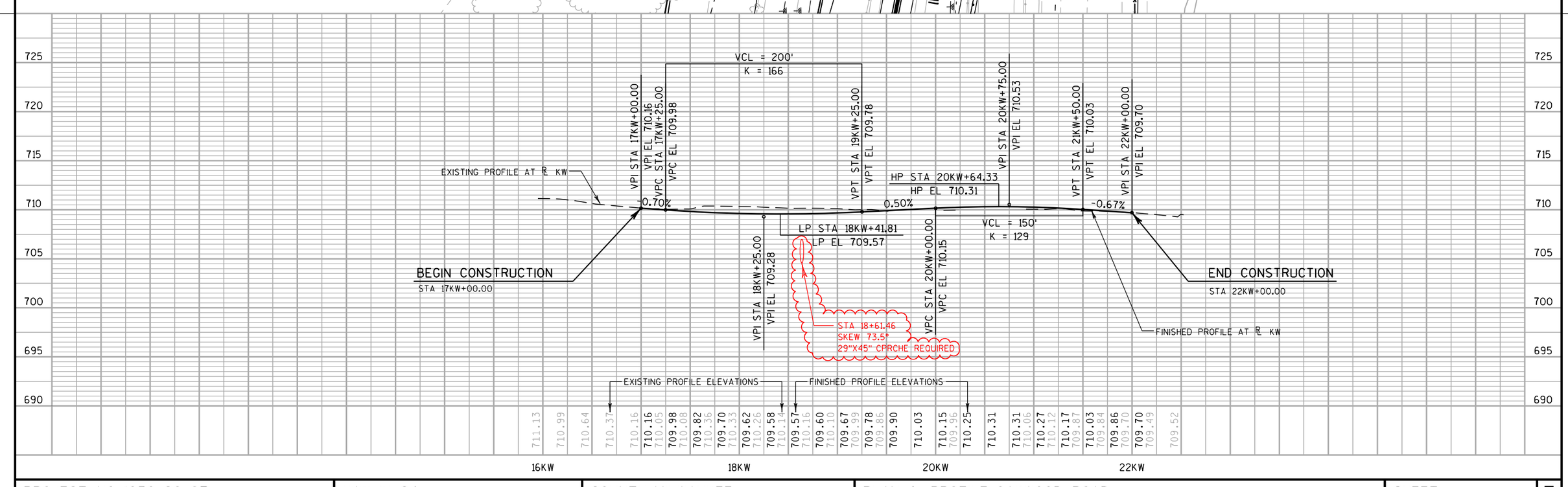
PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PLAN & PROFILE: ELM ROAD	SHEET	E



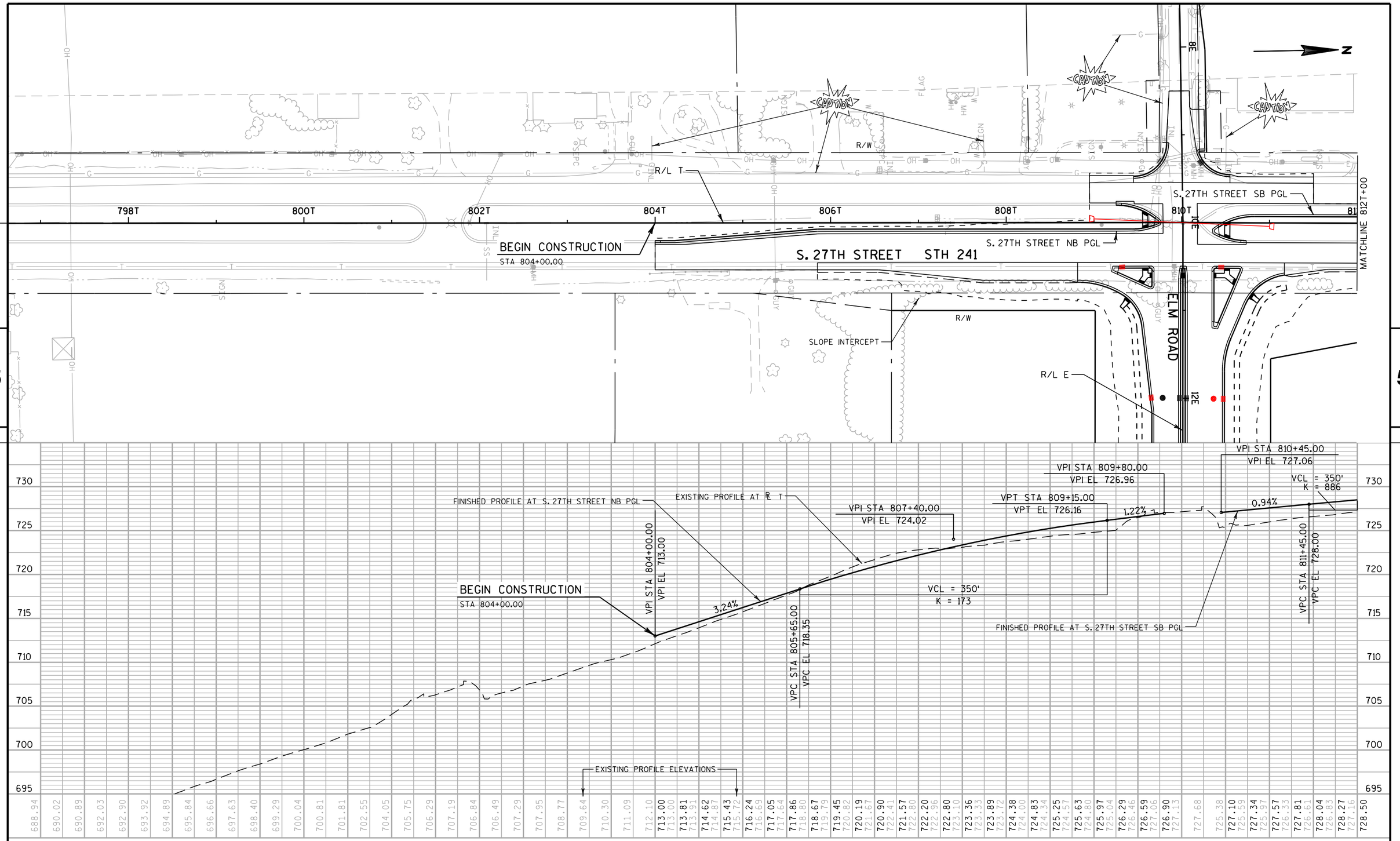
PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PLAN & PROFILE: ELM ROAD	SHEET	E

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PLOT DATE : 11-JUL-2018 22:10
PLOT BY : MSCD1S
PLOT NAME : 050422_pp
PLOT SCALE : 100:1
WISDOT/CADDS SHEET 40





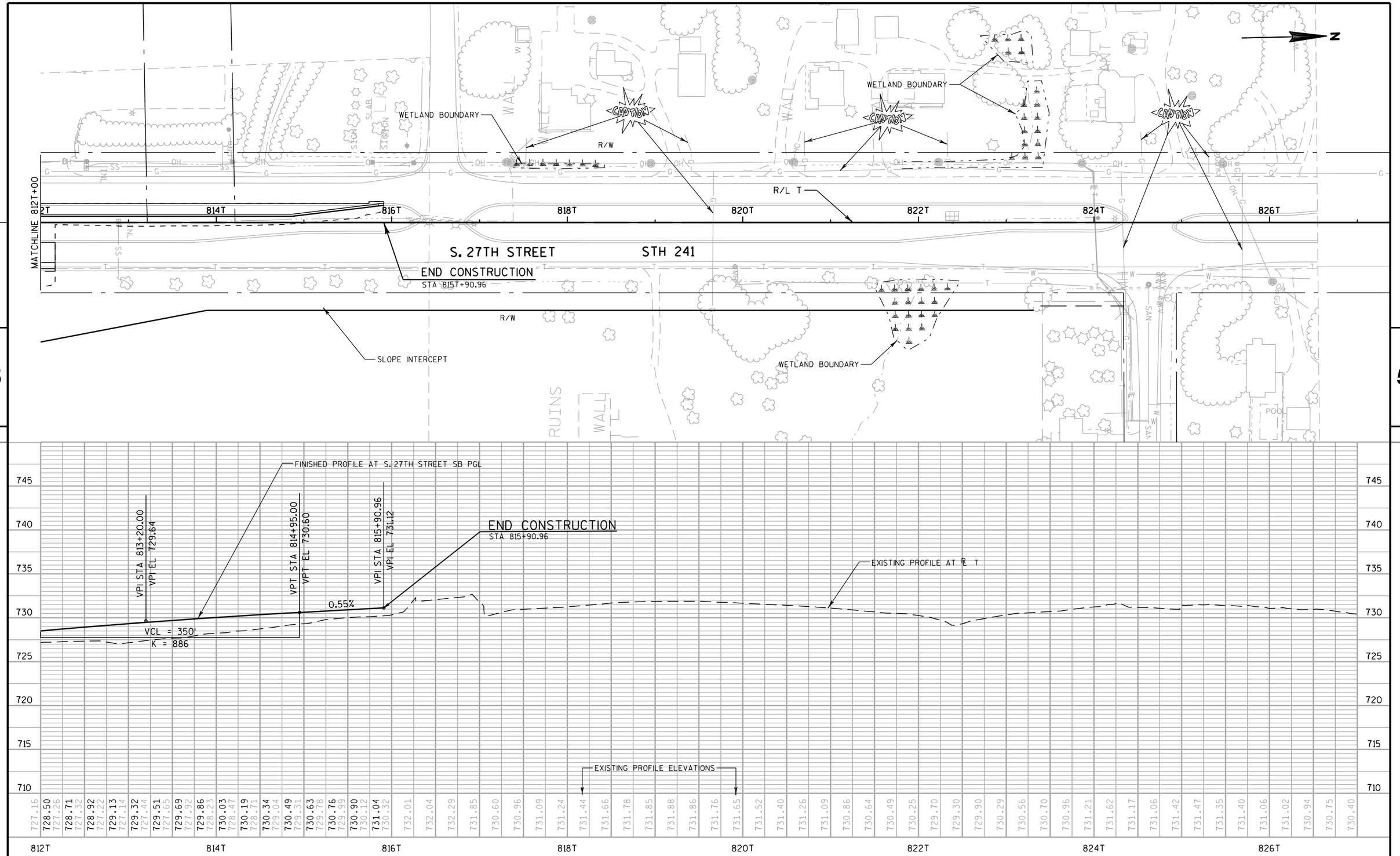
PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PLAN & PROFILE: OAKWOOD ROAD	SHEET	E



PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PLAN & PROFILE: S. 27TH STREET	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\050424_pp.dgn PLOT DATE : 11-JUL-2018 22:10 PLOT BY : MSCD1S PLOT NAME : 050424_pp PLOT SCALE : 100:1

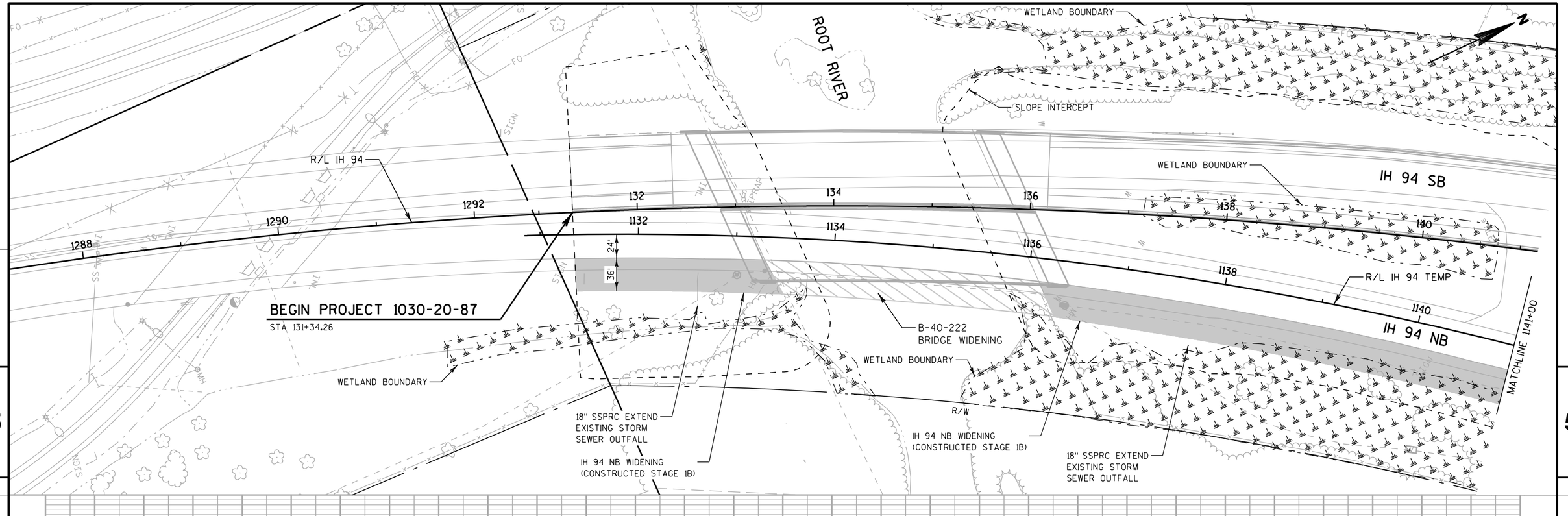
WISDOT/CADDS SHEET 40



PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PLAN & PROFILE: S. 27TH STREET	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\050425_pp.dgn PLOT DATE : 11-JUL-2018 22:10 PLOT BY : MSCD1S PLOT NAME : 050425_pp PLOT SCALE : 100:1

WISDOT/CADDS SHEET 40

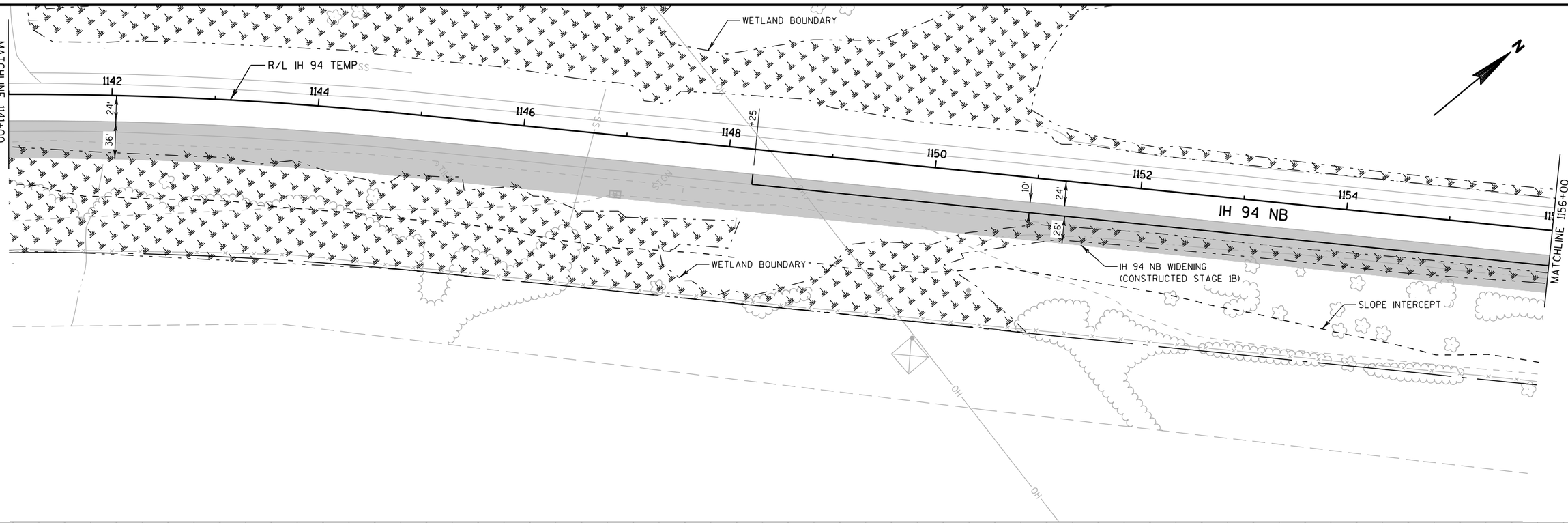


NO PROFILE THIS SHEET

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PLAN & PROFILE: IH 94 TEMP NB	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\050501_pp.dgn PLOT DATE : 11-JUL-2018 22:11 PLOT BY : MSCD1S PLOT NAME : 050501_pp PLOT SCALE : 100:1

WISDOT/CADDS SHEET 40



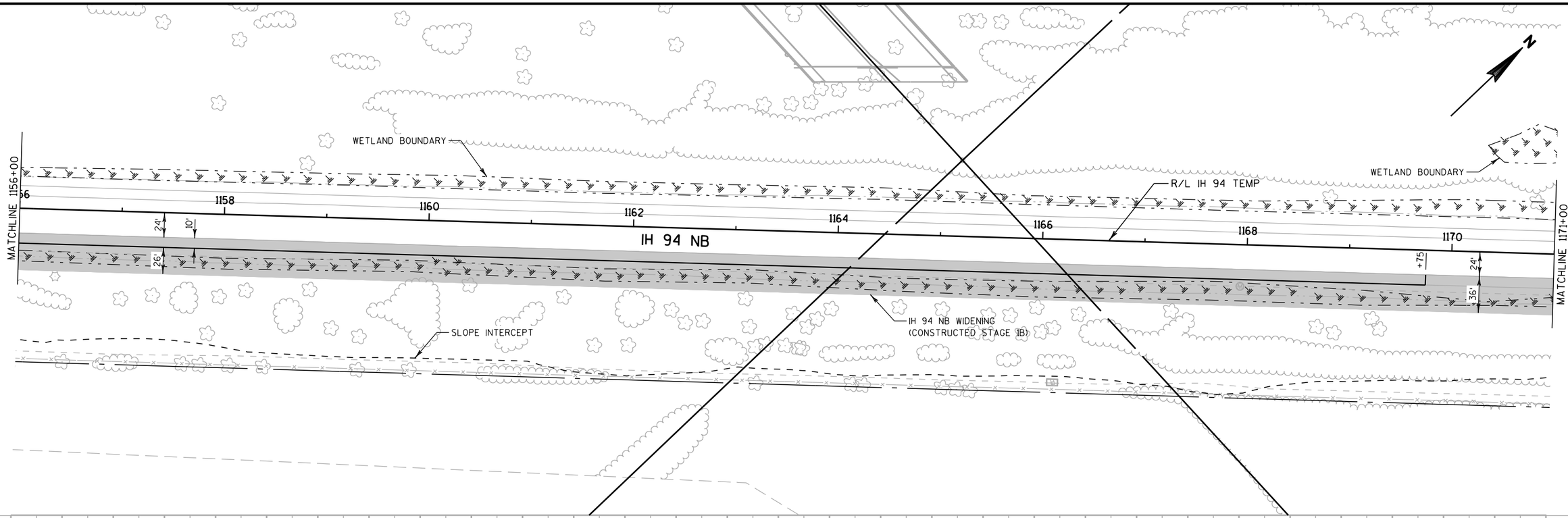
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NO PROFILE THIS SHEET

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PLAN & PROFILE: IH 94 TEMP NB	SHEET	E

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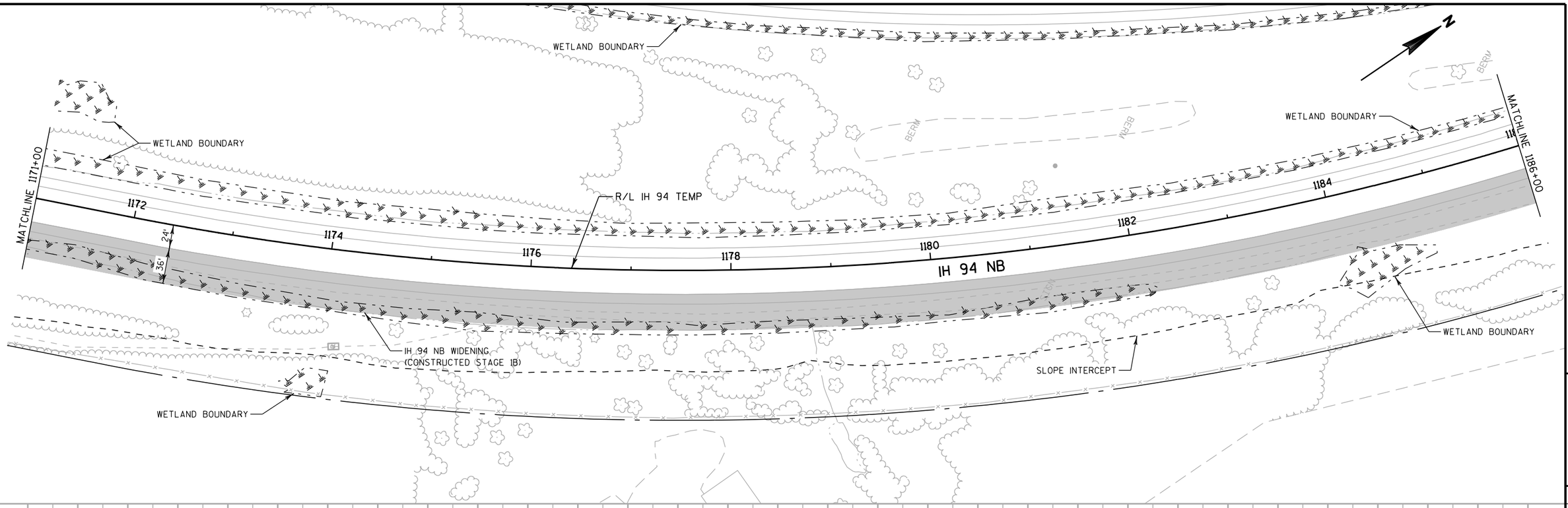
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PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PLAN & PROFILE: IH 94 TEMP NB	SHEET	E

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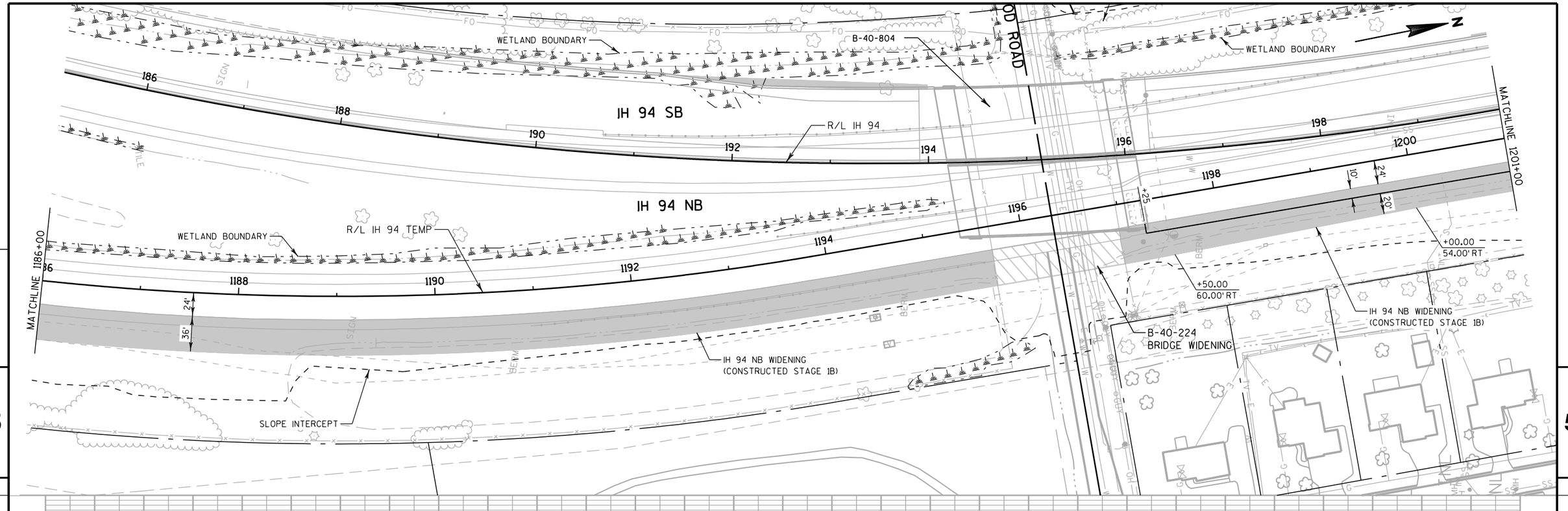
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NO PROFILE THIS SHEET

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PLAN & PROFILE: IH 94 TEMP NB	SHEET	E

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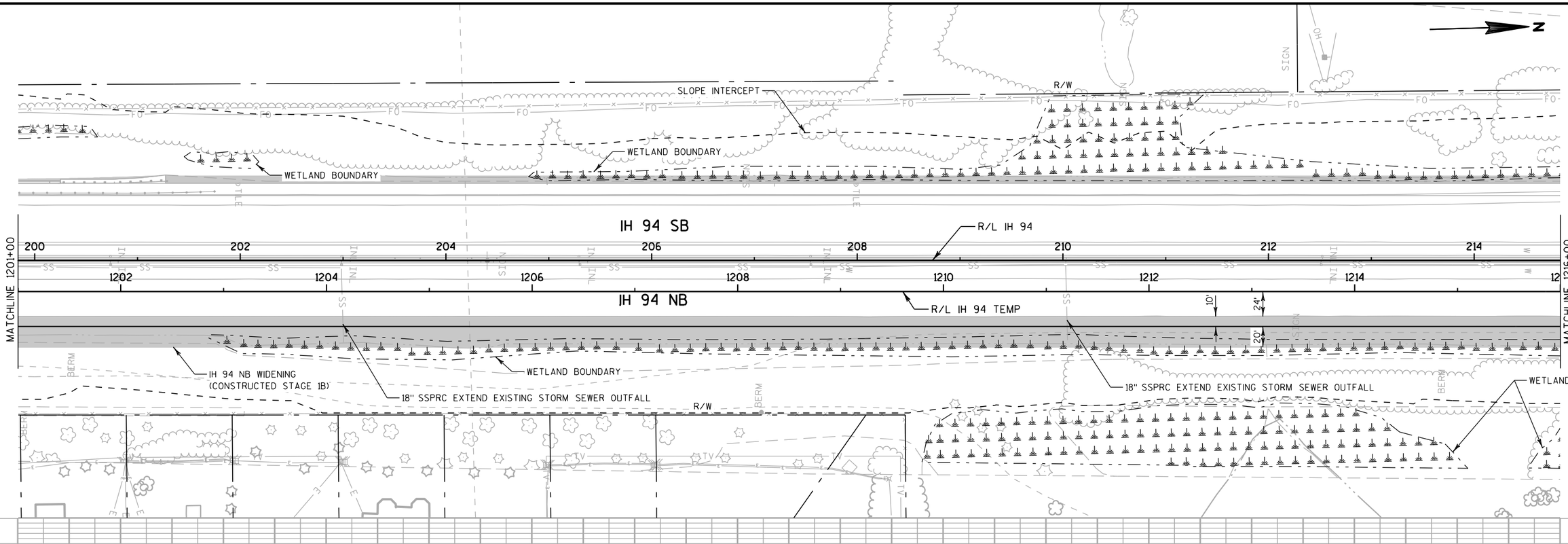
WISDOT/CADDS SHEET 40



NO PROFILE THIS SHEET

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PLAN & PROFILE: IH 94 TEMP NB	SHEET	E

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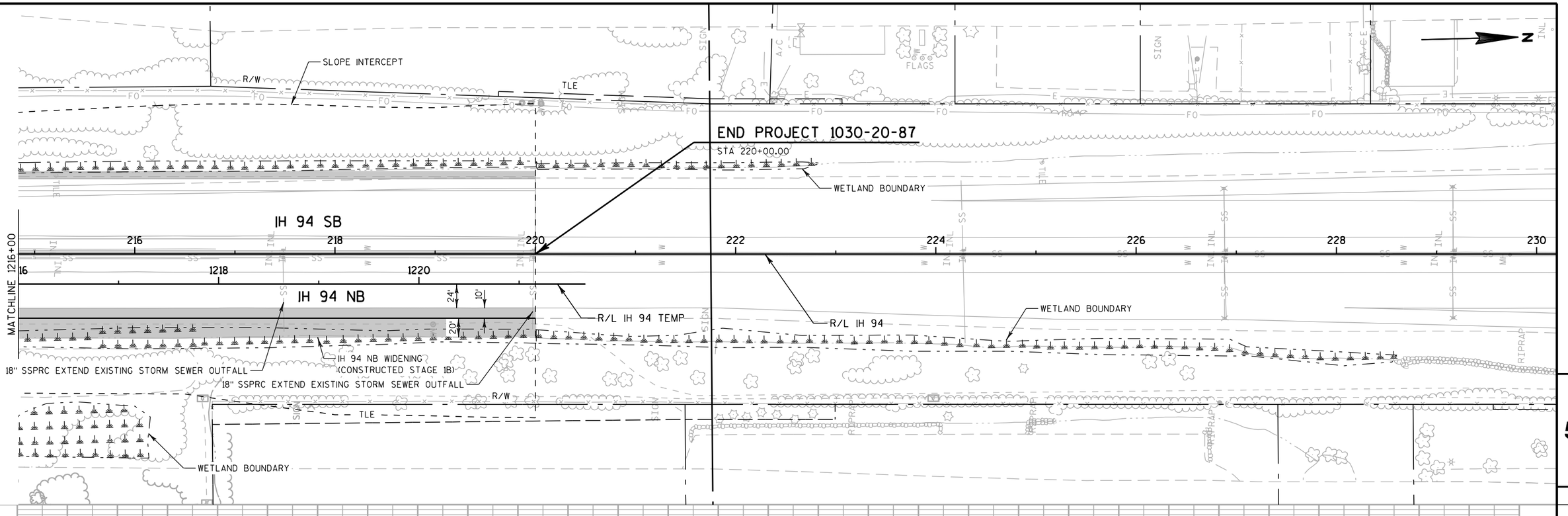


NO PROFILE THIS SHEET

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PLAN & PROFILE: IH 94 TEMP NB	SHEET	E

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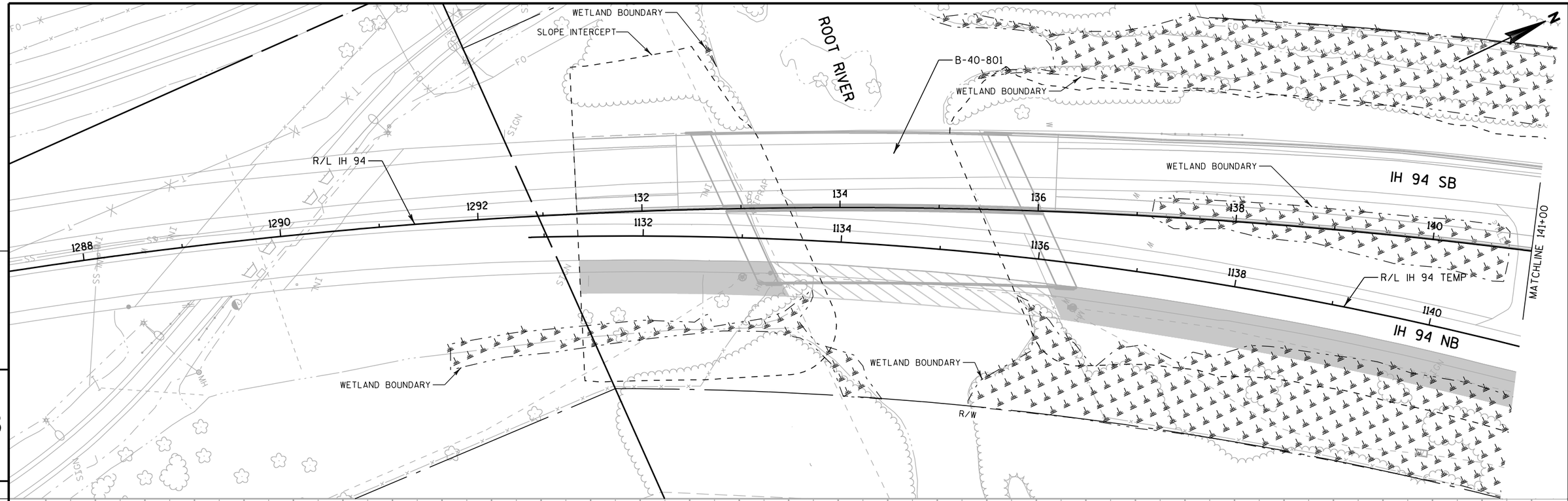
WISDOT/CADDS SHEET 40



NO PROFILE THIS SHEET

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PLAN & PROFILE: IH 94 TEMP NB	SHEET	E

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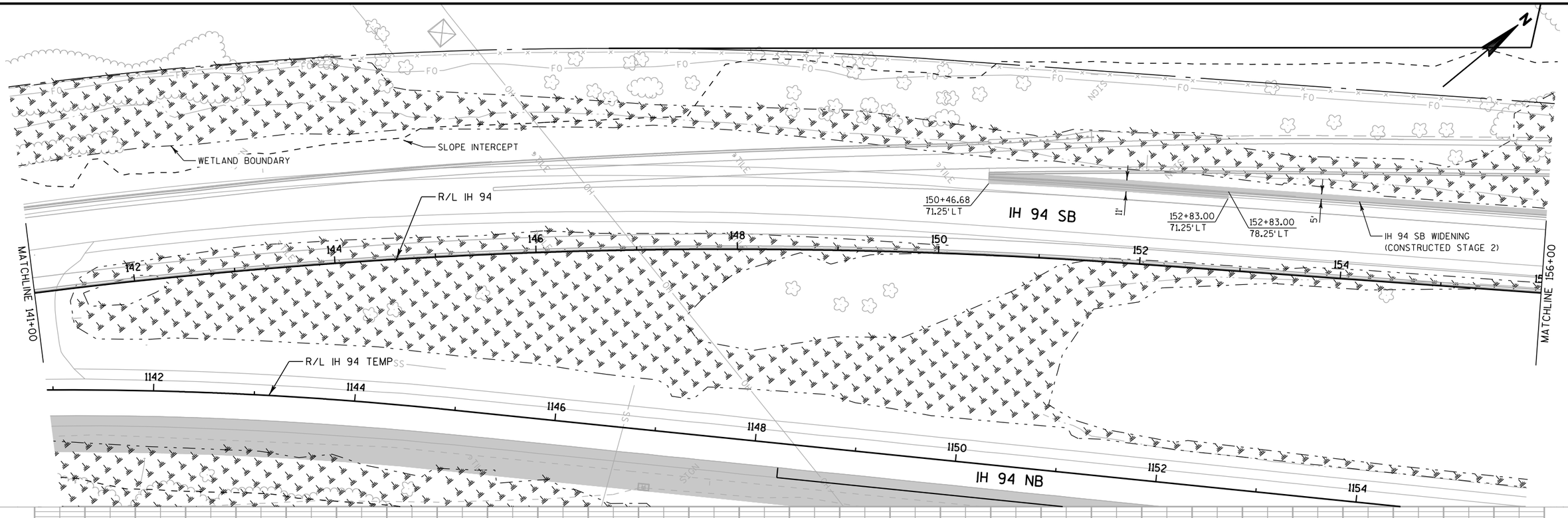


NO PROFILE THIS SHEET

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PLAN & PROFILE: IH 94 TEMP SB	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\050511_pp.dgn PLOT DATE : 11-JUL-2018 22:11 PLOT BY : MSCD1S PLOT NAME : 050511_pp PLOT SCALE : 100:1

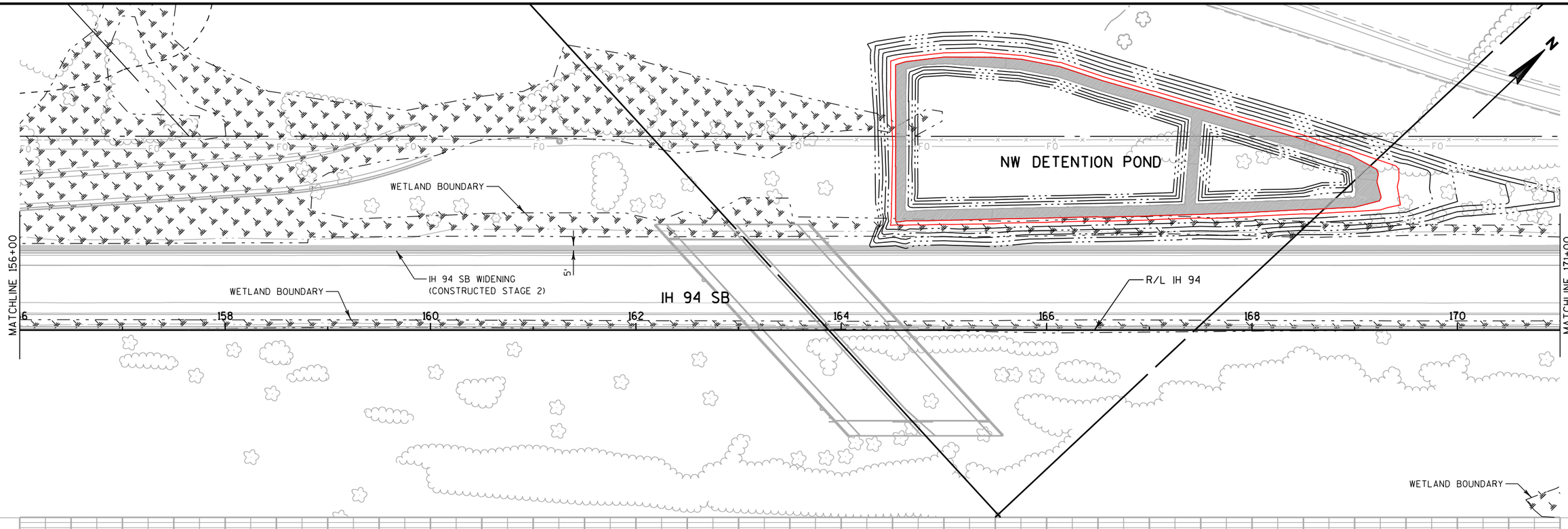
WISDOT/CADDS SHEET 40



NO PROFILE THIS SHEET

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PLAN & PROFILE: IH 94 TEMP SB	SHEET	E

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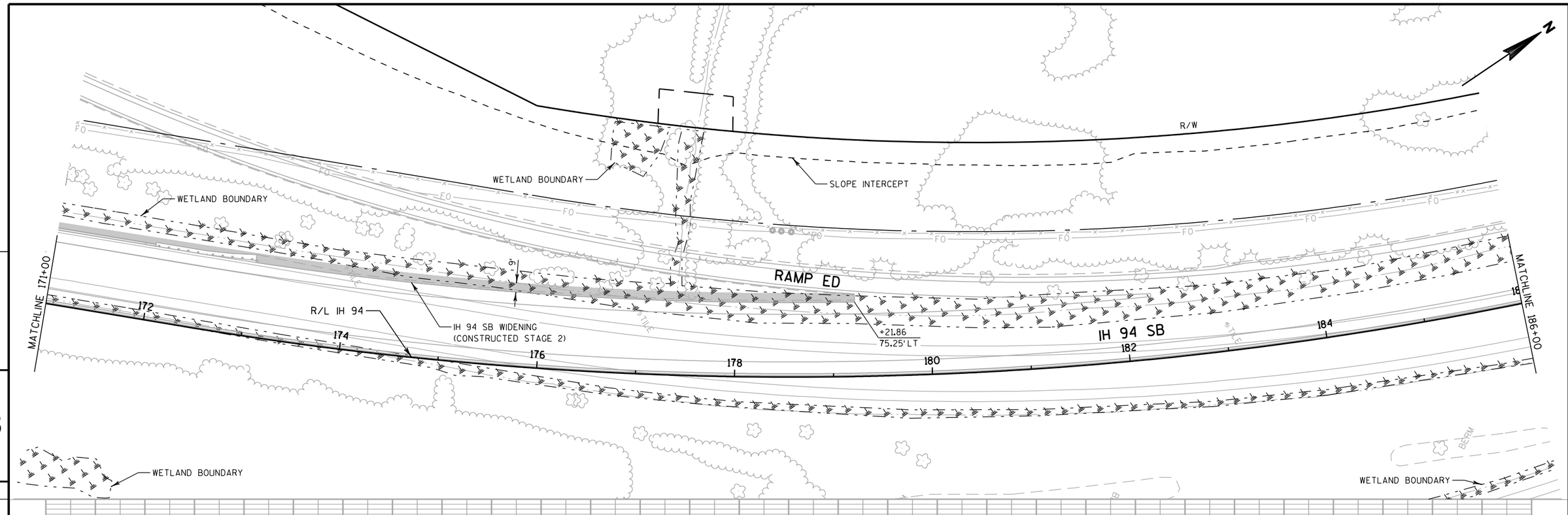


NO PROFILE THIS SHEET

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PLAN & PROFILE: IH 94 TEMP SB	SHEET	E

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WISDOT/CADDS SHEET 40



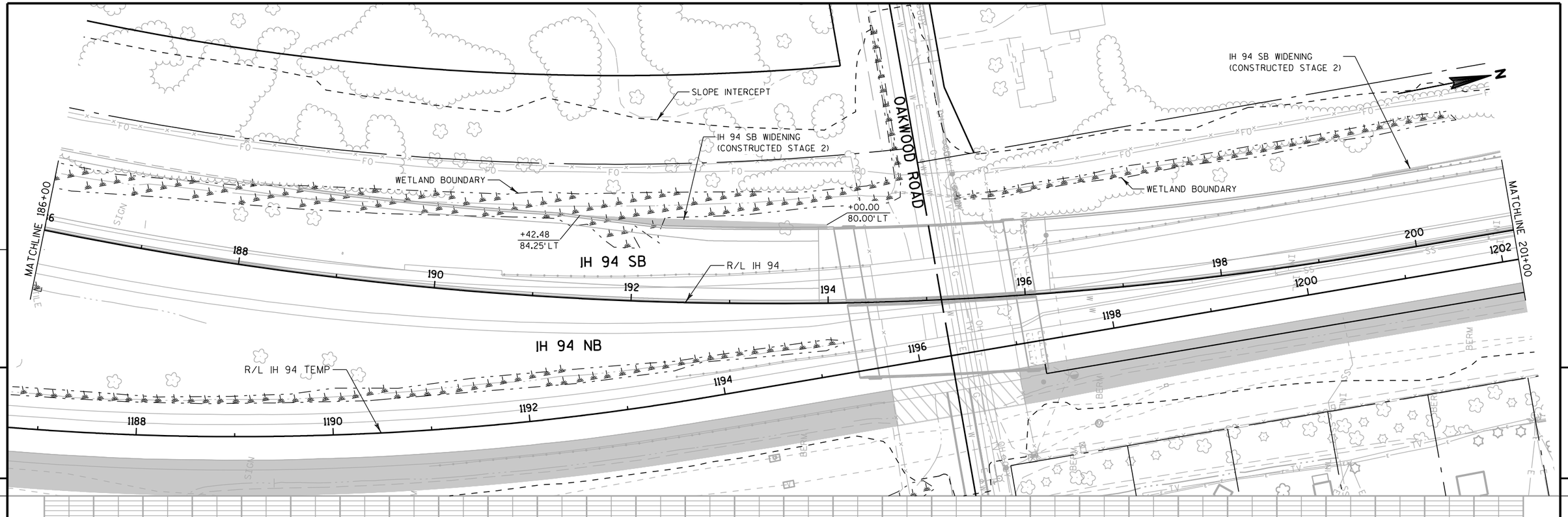
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NO PROFILE THIS SHEET

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PLAN & PROFILE: IH 94 TEMP SB	SHEET	E

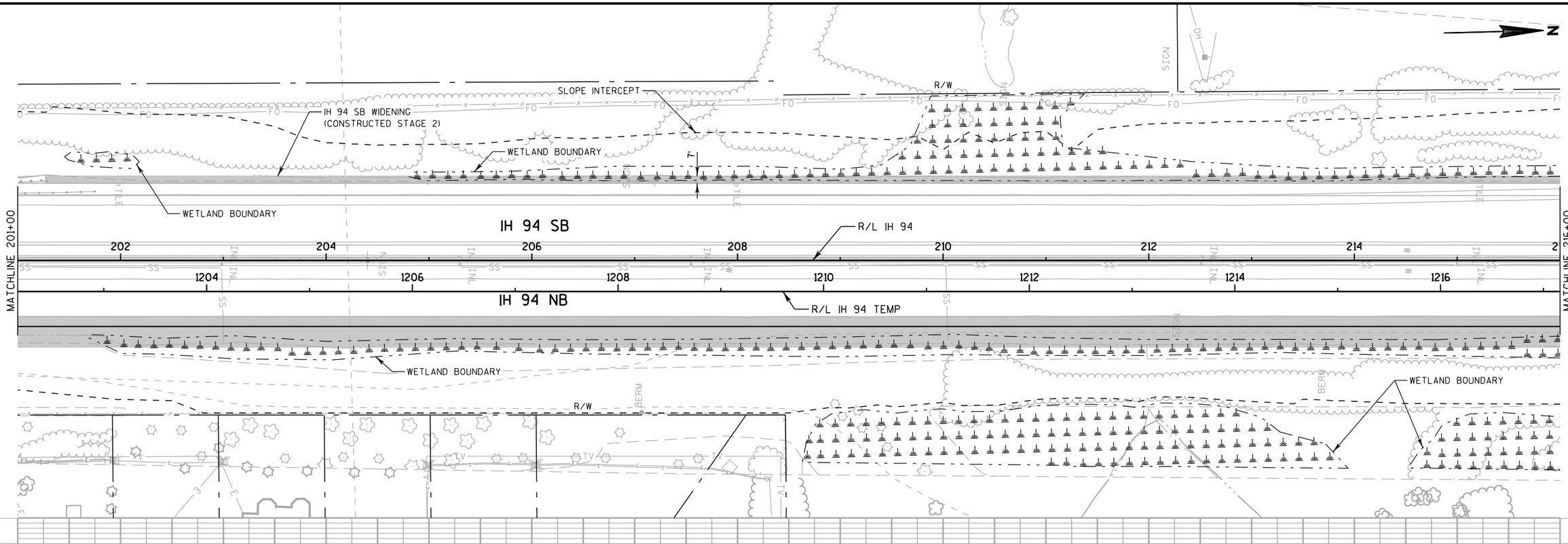
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NO PROFILE THIS SHEET

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PLAN & PROFILE: IH 94 TEMP SB	SHEET	E

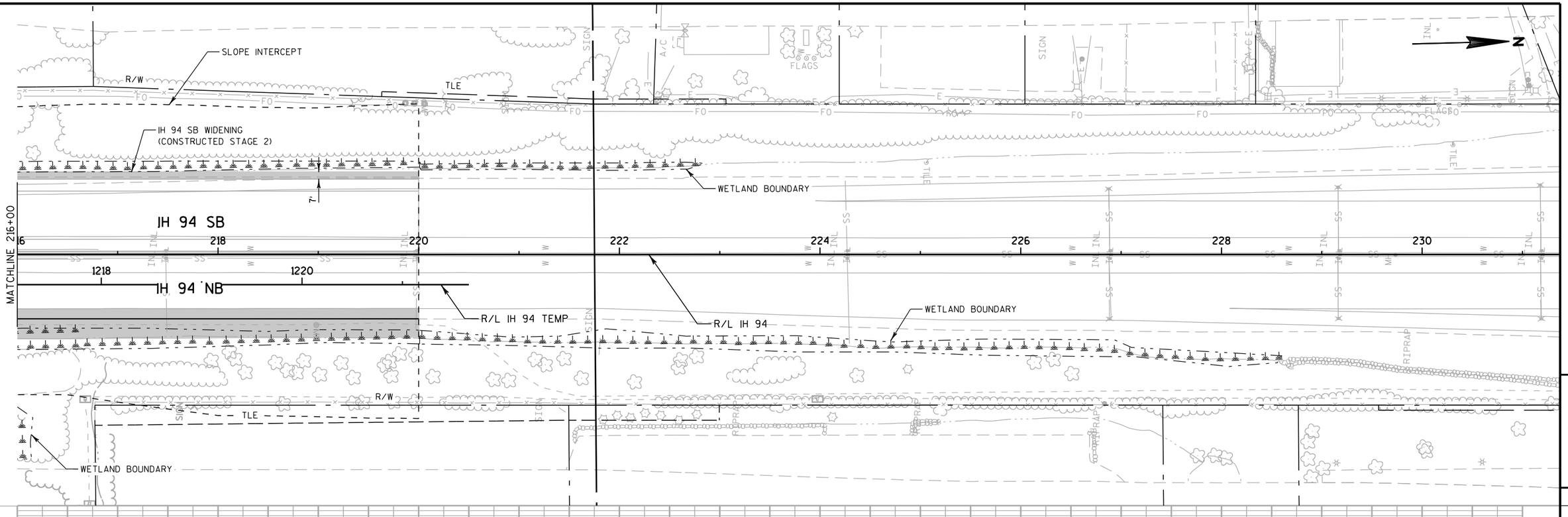
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NO PROFILE THIS SHEET

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PLAN & PROFILE: IH 94 TEMP SB	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\050516_pp.dgn PLOT DATE : 11-JUL-2018 22:11 PLOT BY : MSCD1S PLOT NAME : 050516_pp PLOT SCALE : 100:1



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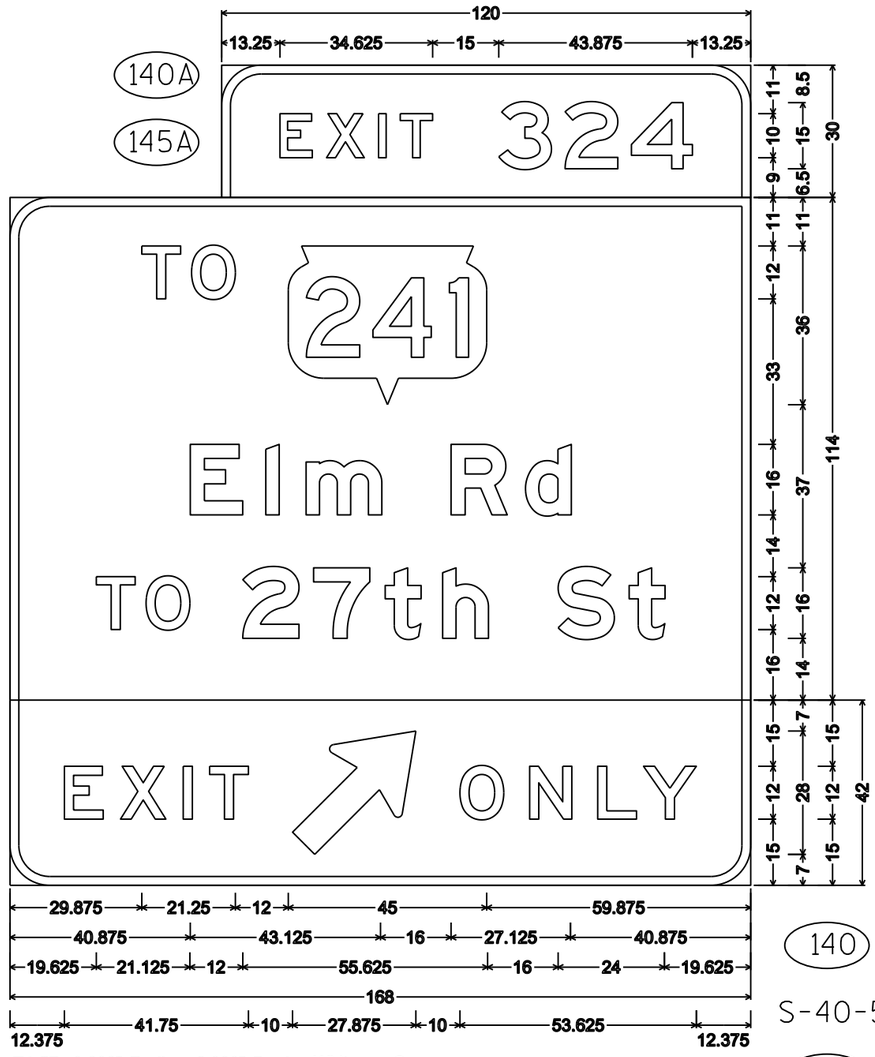
NO PROFILE THIS SHEET

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PLAN & PROFILE: IH 94 TEMP SB	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\050517_pp.dgn PLOT DATE : 11-JUL-2018 22:11 PLOT BY : MSCD1S PLOT NAME : 050517_pp PLOT SCALE : 100:1

NOTES

1. All Signs Type I - Type SH Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - E Modified except all CAP words Series E or as noted
4. EXIT ONLY Panel and ONLY Plaque on Yellow Type F Reflective Sheeting with Black Non-Reflective Message



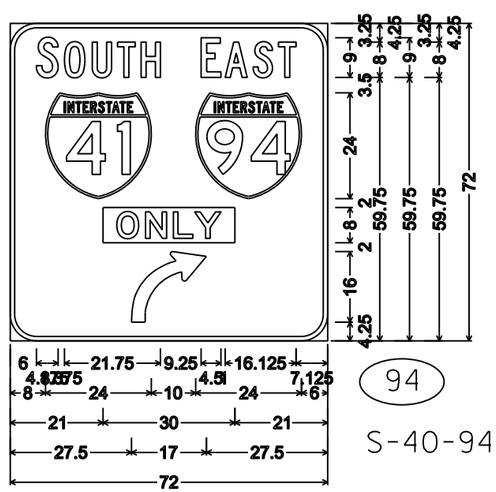
E1-5P; 9.000" Radius, 2.000" Border, White on Green;
E6-1; 9.000" Radius, 2.000" Border, White on Green;
E11-1D; 9.000" Radius, 2.000" Border, Black on Yellow

140

S-40-591

145

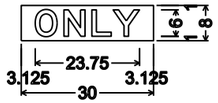
S-40-590



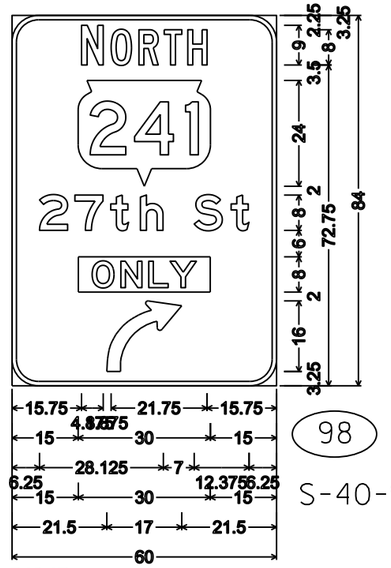
D16-1R;
6.000" Radius, 1.000" Border,
"SOUTH" C; "EAST" C

94

S-40-941



No border, Black on Fluorescent yellow;
"ONLY" Black E;



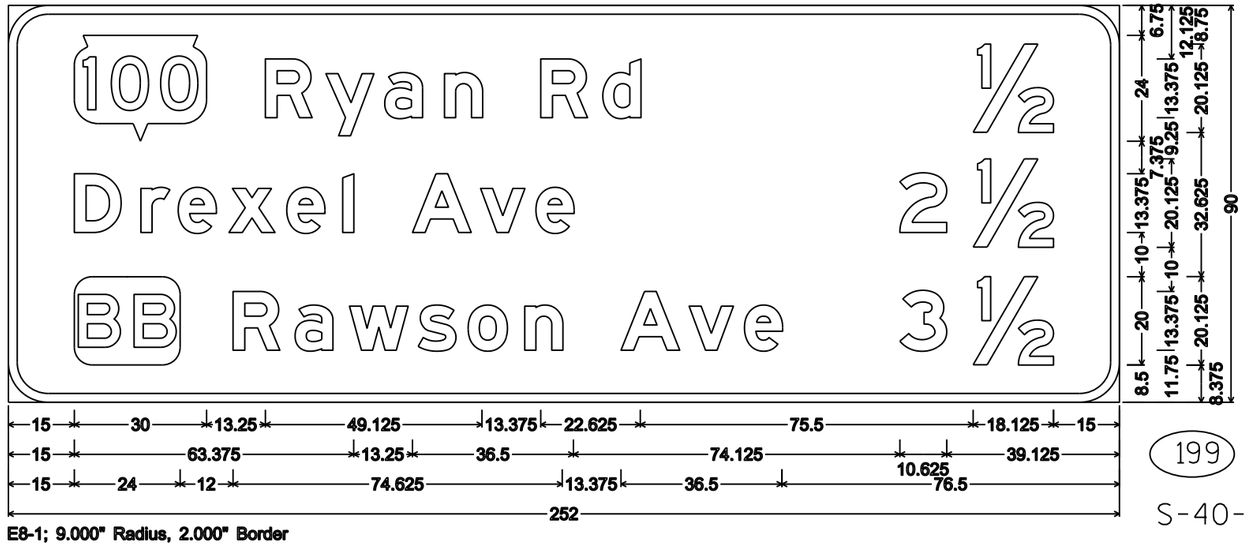
D16-1R;
6.000" Radius, 1.000" Border,
"NORTH" C; "27th" E; "St" E;

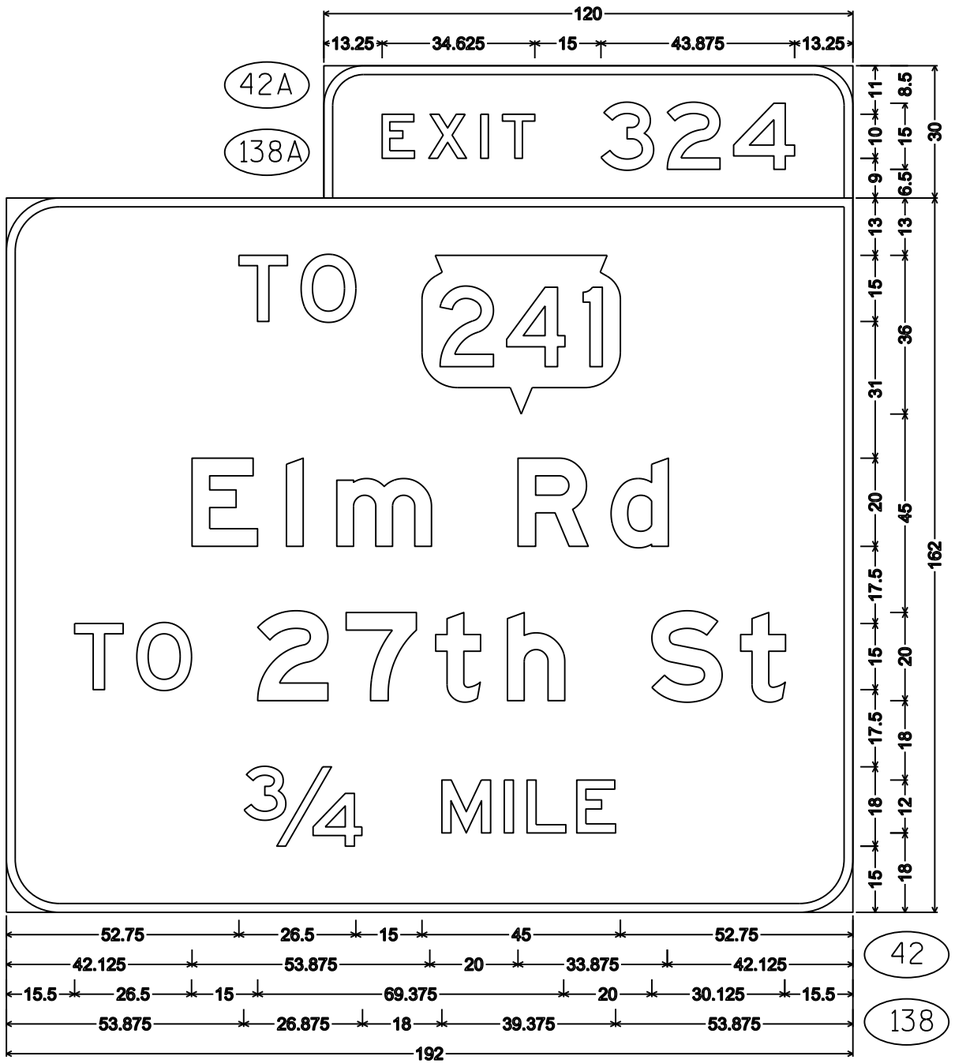
98

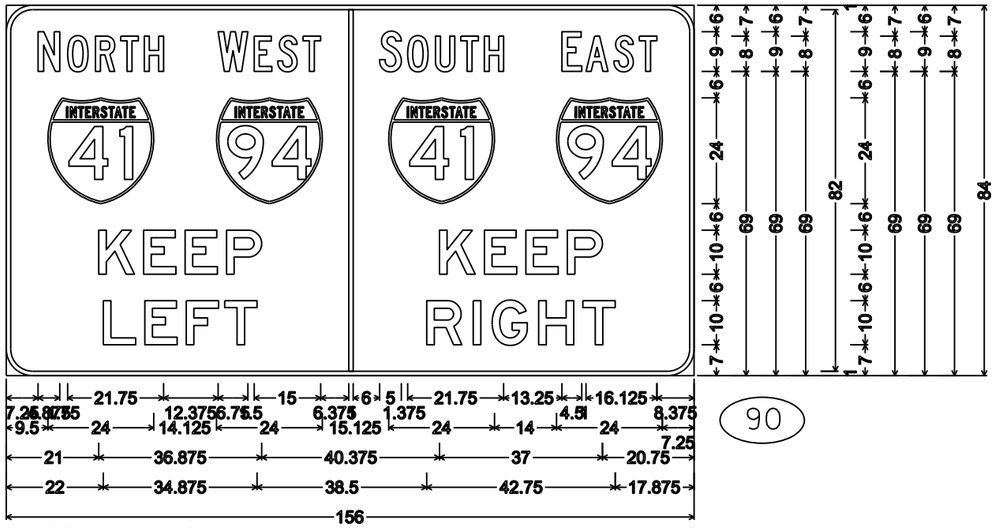
S-40-942

NOTES

1. All Signs Type I - Type SH Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - E Modified except all CAP words Series E or as noted



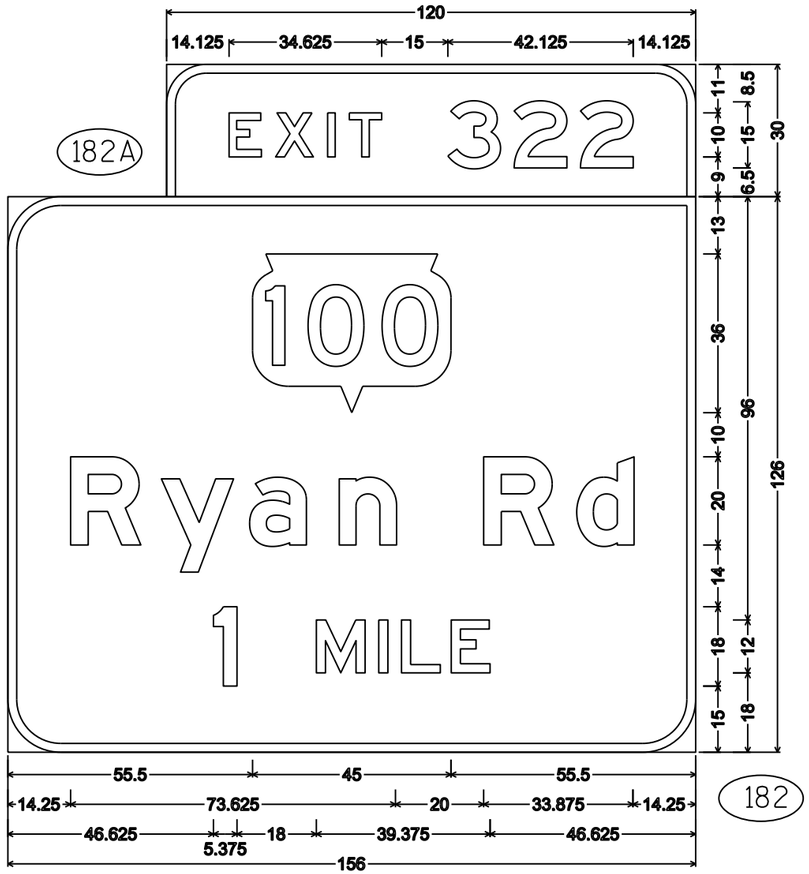




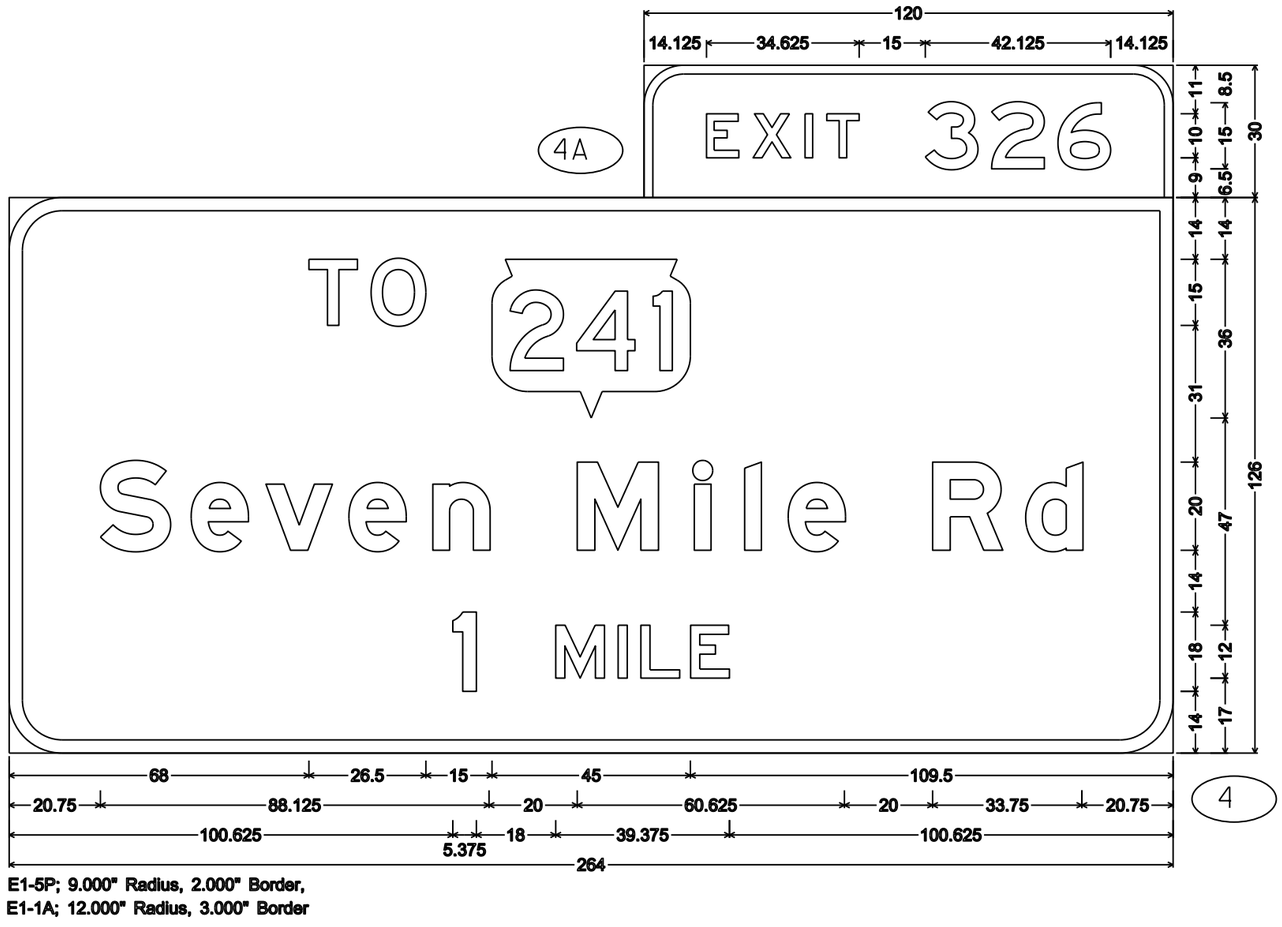
PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PERMANENT SIGNING	SHEET NO:	E

NOTES

1. All Signs Type I - Type SH Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - E Modified except all CAP words Series E



E1-5P; 9.000" Radius, 2.000" Border,
E1-1A; 12.000" Radius, 2.000" Border



E1-5P; 9.000" Radius, 2.000" Border,
E1-1A; 12.000" Radius, 3.000" Border

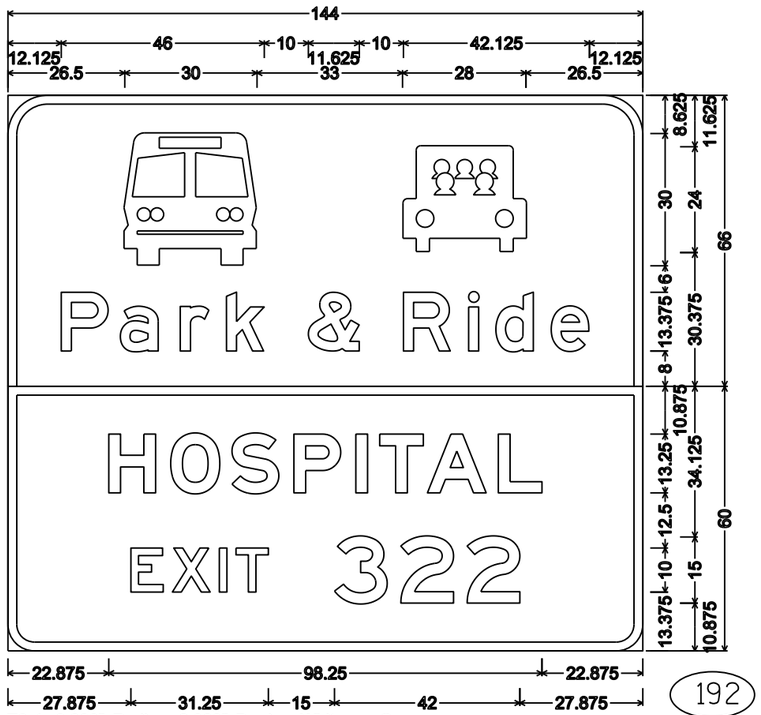
7

7

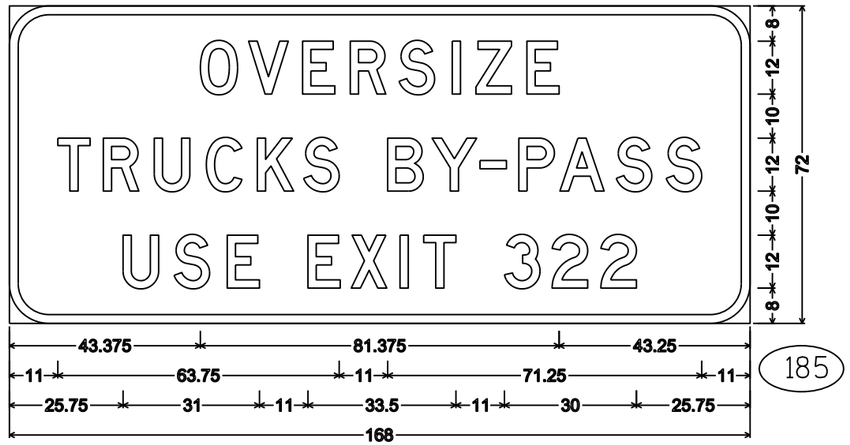
PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PERMANENT SIGNING	SHEET NO:	E

NOTES

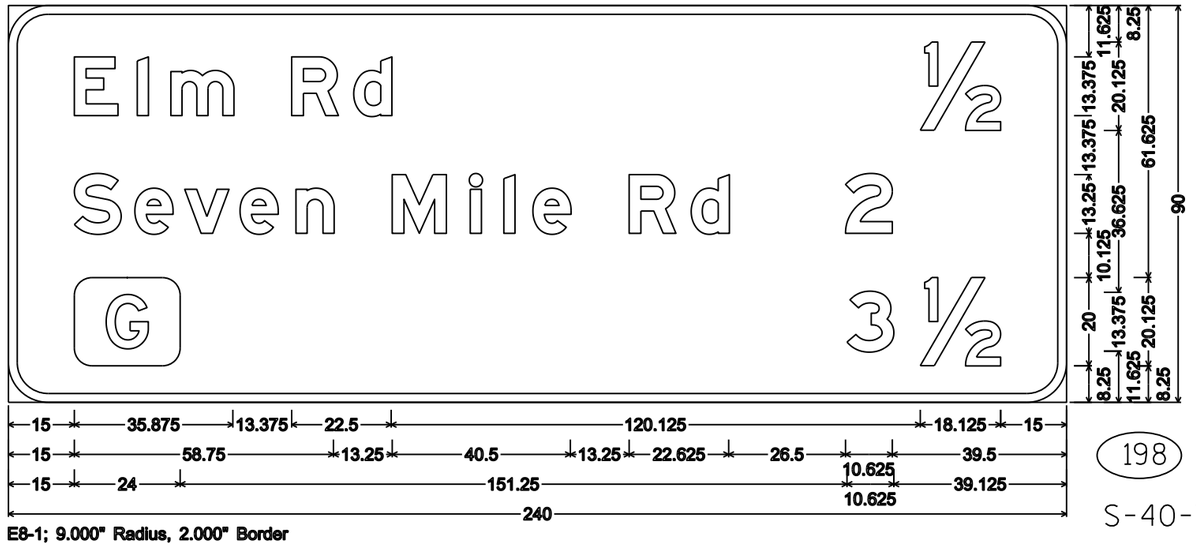
1. All Signs Type I - Type SH Reflective
2. Color:
   Background - Green except as noted
   Message - White except as noted
3. Message Series - E Modified except all CAP words Series E or as noted



E3-1; 9.000" Radius, 2.000" Border, White on Green;
"Park" E; "&" E; "Ride" E;
E3-1; 6.000" Radius, 2.000" Border, White on Blue;
"HOSPITAL" E Mod; "EXIT" E; "322" E



9.000" Radius, 2.000" Border, Black on White;
"OVERSIZE" D; "TRUCKS" D; "BY-PASS" D; "USE" D; "EXIT" D; "322" D

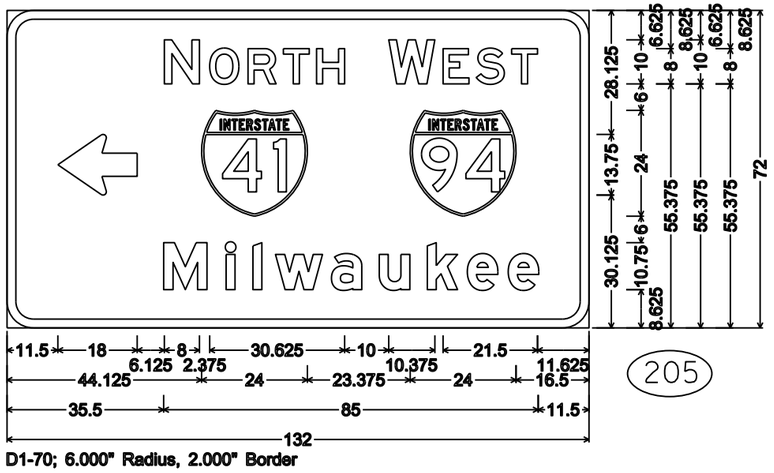


E8-1; 9.000" Radius, 2.000" Border

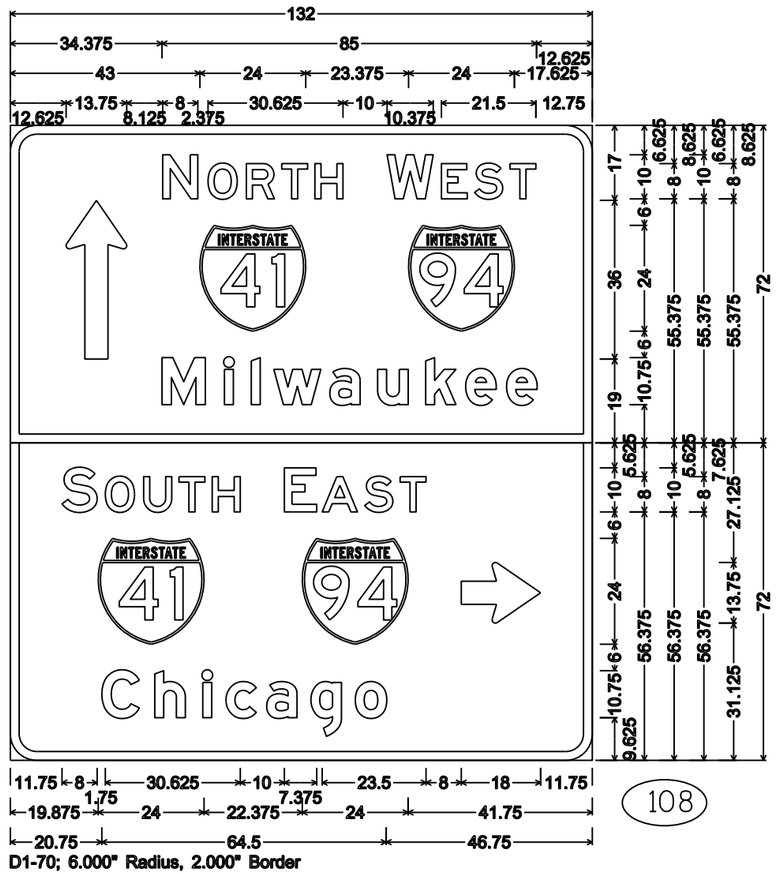
S-40-762

NOTES

1. All Signs Type I - Type SH Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - E Modified except all CAP words Series E or as noted



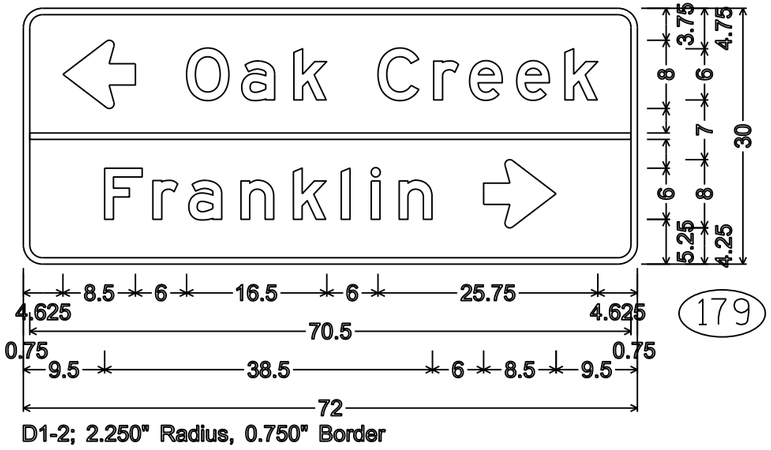
D1-70; 6.000" Radius, 2.000" Border



D1-70; 6.000" Radius, 2.000" Border

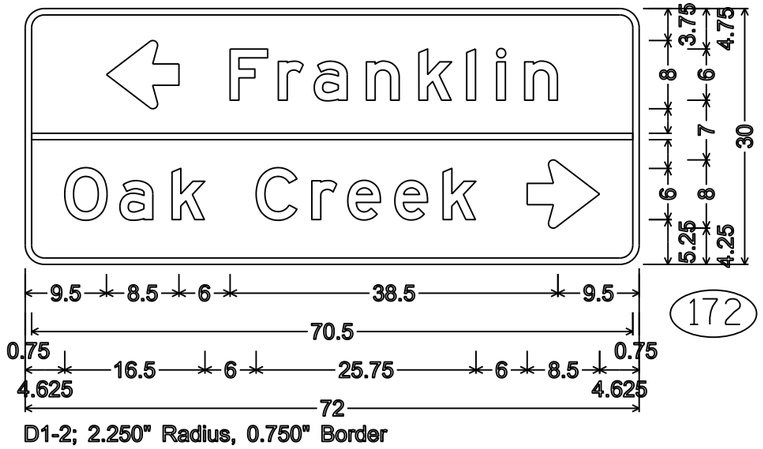
NOTES

1. All Signs Type II - Type H Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - E



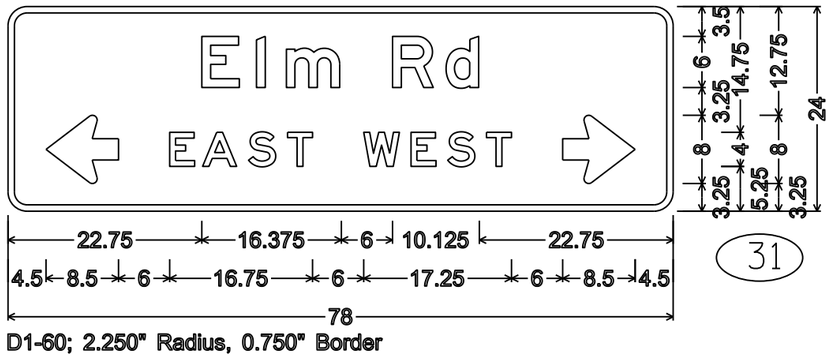
179

D1-2; 2.250" Radius, 0.750" Border



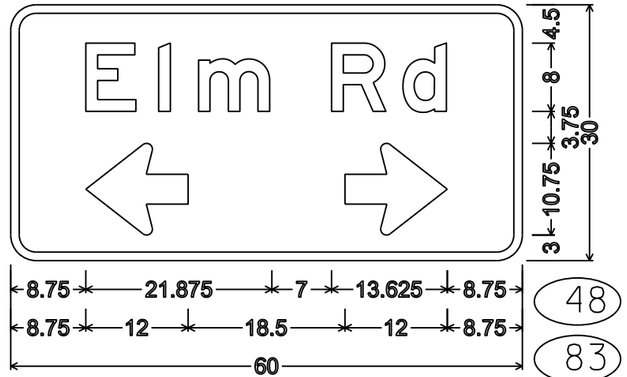
172

D1-2; 2.250" Radius, 0.750" Border



31

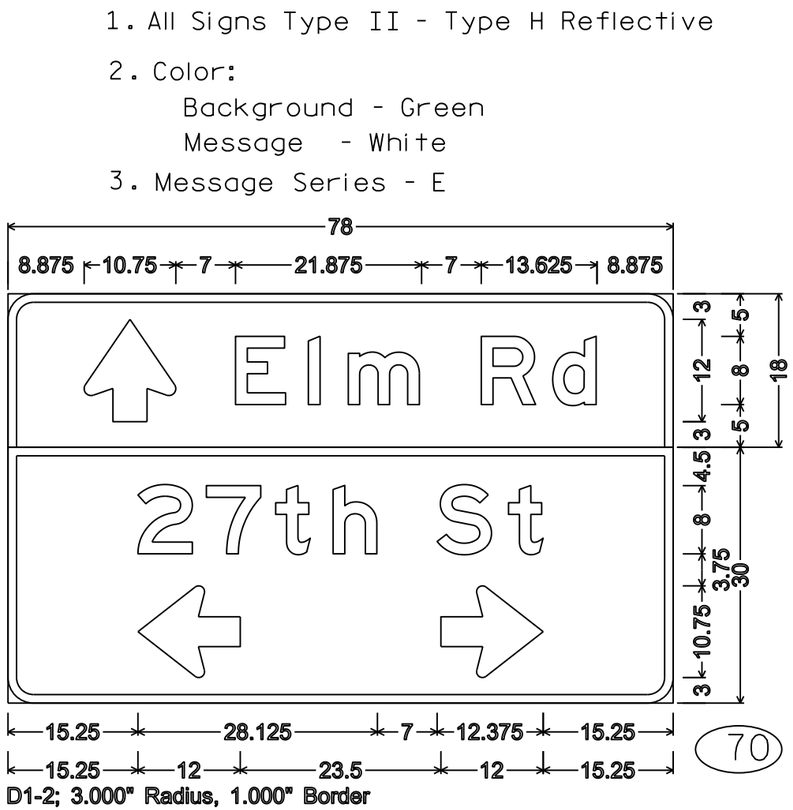
D1-60; 2.250" Radius, 0.750" Border



48

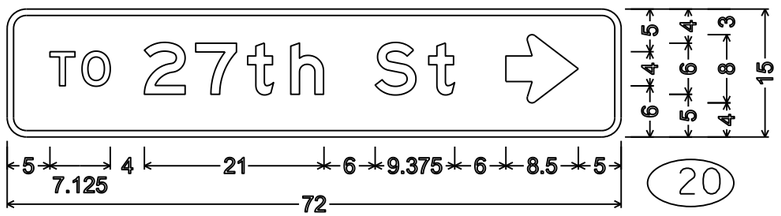
83

D1-61;
3.000" Radius, 1.000" Border



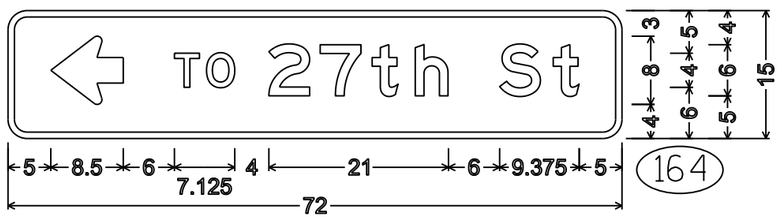
70

D1-2; 3.000" Radius, 1.000" Border



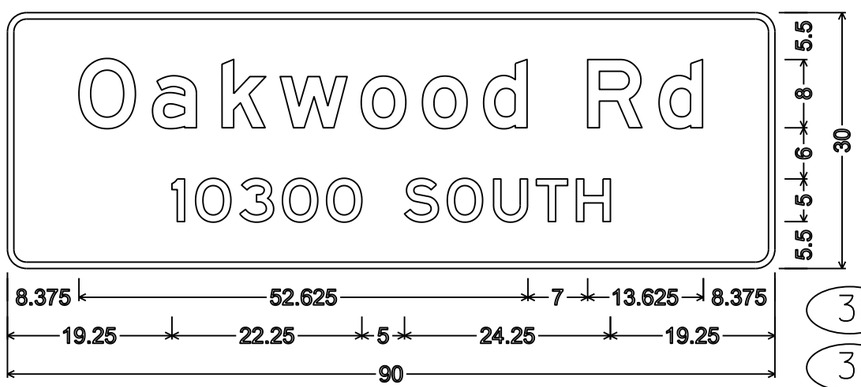
20

D1-1; 2.250" Radius, 0.750" Border



164

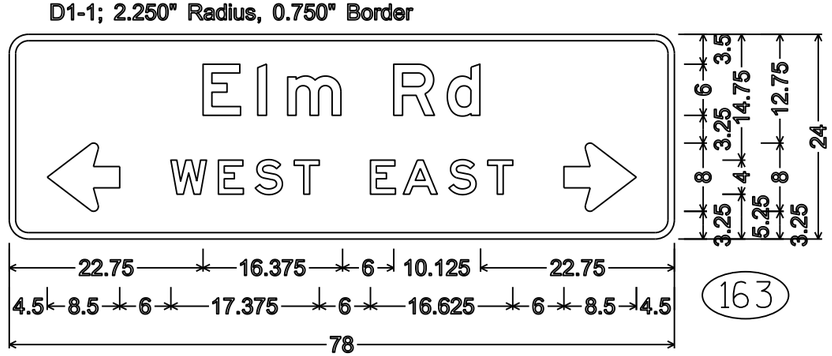
D1-1; 2.250" Radius, 0.750" Border



36

37

D1-65; 2.250" Radius, 0.750" Border



163

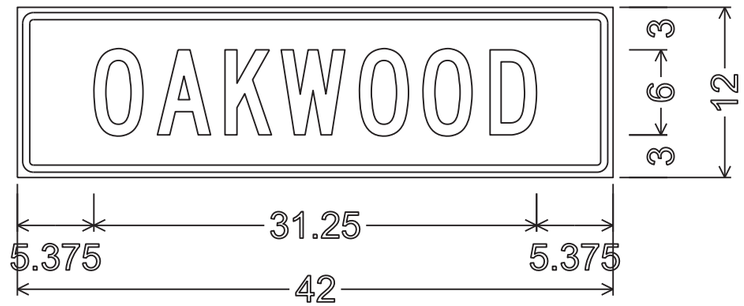
D1-60; 2.250" Radius, 0.750" Border

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	PERMANENT SIGNING	SHEET NO:	E

NOTES

1. All Signs Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C

100



1.125" Radius, 0.500" Border, 0.375" Indent

7

7

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	TEMPORARY SIGNING	SHEET NO:	E

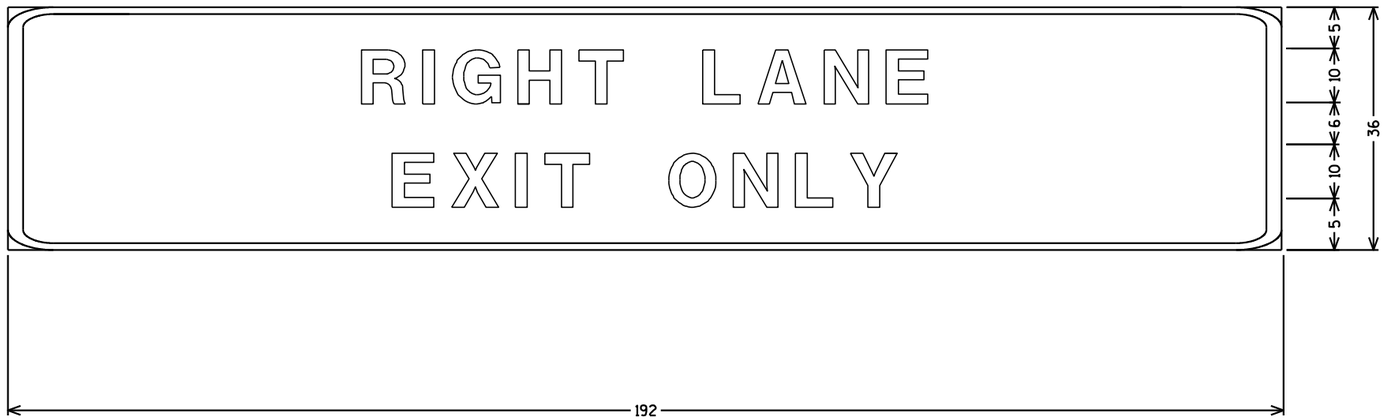
NOTES

1. FIXED MESSAGE SIGN TYPE ii - TYPE F SHEETING

2. COLOR:
   BACKGORUND - YELLOW
   MESSAGE - BLACK

3. MESSAGE SERIES - E

500



7

7

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	TEMPORARY SIGNING	SHEET	E

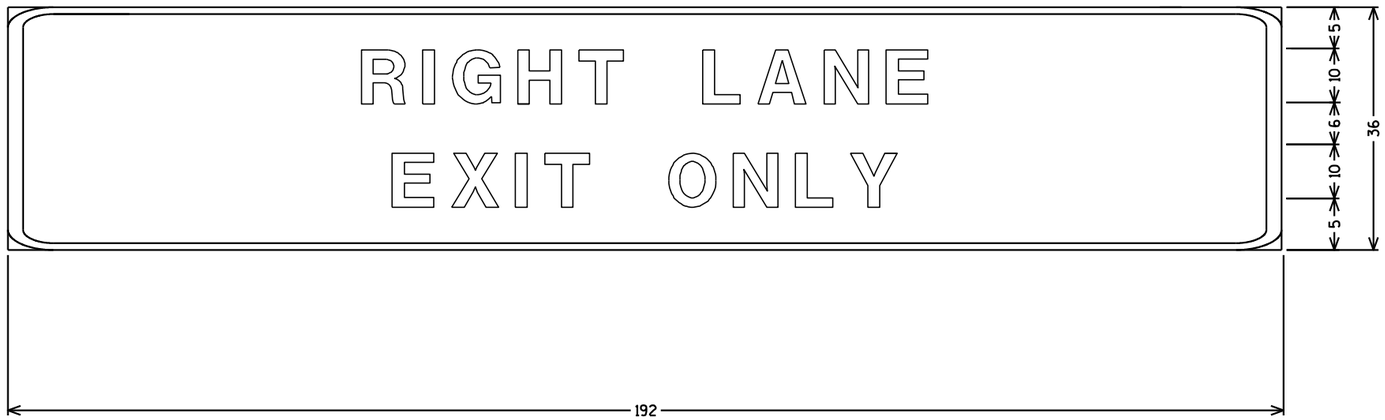
NOTES

1. FIXED MESSAGE SIGN TYPE ii - TYPE F SHEETING

2. COLOR:
   BACKGORUND - YELLOW
   MESSAGE - BLACK

3. MESSAGE SERIES - E

500



7

7

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	TEMPORARY SIGNING	SHEET	E

Division 1 Ramp EC

STATION		Real Station	Distance	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)			Mass Ordinate
				Cut	Fill	EBS	Cut	Fill	EBS	Cut	Fill	EBS	
159+50	BK	15950.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160+00	AH	16000.00	50.00	0.00	1441.71	0.00	0.00	1334.92	0.00	0.00	1334.92	0.00	-1334.92
160+50		16050.00	50.00	0.00	1293.31	0.00	0.00	2532.42	0.00	0.00	3867.34	0.00	-3867.34
161+00		16100.00	50.00	0.00	1459.00	0.00	0.00	2548.43	0.00	0.00	6415.77	0.00	-6415.77
161+31	BK	16131.40	31.40	0.00	768.34	0.00	0.00	1295.16	0.00	0.00	7710.93	0.00	-7710.93
						Column totals	0.00	7710.93	0.00				

Division 1 Ramp ED

STATION	Real Station	Distance	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)			Mass Ordinate
			Cut	Fill	EBS	Cut	Fill	EBS	Cut	Fill	EBS	
162+09 AH	16209.41	0.00	0.00	1335.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162+50	16250.00	40.59	1083.26	2304.34	0.00	814.25	2736.31	0.00	814.25	2736.31	0.00	-1922.06
163+00	16300.00	50.00	1244.75	2356.56	0.00	2155.56	4315.64	0.00	2969.82	7051.95	0.00	-4082.14
163+50	16350.00	50.00	1186.07	1211.77	0.00	2250.76	3304.01	0.00	5220.57	10355.96	0.00	-5135.39
164+00	16400.00	50.00	1606.04	331.61	0.00	2585.29	1429.06	0.00	7805.86	11785.02	0.00	-3979.16
164+50	16450.00	50.00	2181.57	43.10	0.00	3507.05	346.95	0.00	11312.91	12131.97	0.00	-819.07
165+00	16500.00	50.00	2862.13	0.00	0.00	4670.09	39.91	0.00	15983.00	12171.88	0.00	3811.12
165+50	16550.00	50.00	3073.00	0.00	0.00	5495.49	0.00	0.00	21478.49	12171.88	0.00	9306.61
166+00	16600.00	50.00	2595.83	0.00	0.00	5248.92	0.00	0.00	26727.41	12171.88	0.00	14555.53
166+50	16650.00	50.00	1717.54	27.94	0.00	3993.86	25.87	0.00	30721.27	12197.75	0.00	18523.52
167+00	16700.00	50.00	1049.79	333.36	0.00	2562.34	334.54	0.00	33283.61	12532.29	0.00	20751.32
167+50	16750.00	50.00	1153.64	279.81	0.00	2040.21	567.75	0.00	35323.82	13100.04	0.00	22223.79
168+00	16800.00	50.00	1548.29	36.75	0.00	2501.79	293.11	0.00	37825.61	13393.15	0.00	24432.46
168+50	16850.00	50.00	2096.62	0.00	0.00	3374.92	34.03	0.00	41200.53	13427.18	0.00	27773.35
169+00	16900.00	50.00	2510.28	0.00	0.00	4265.65	0.00	0.00	45466.18	13427.18	0.00	32039.00
169+50	16950.00	50.00	2809.70	0.00	0.00	4925.91	0.00	0.00	50392.08	13427.18	0.00	36964.91
170+00	17000.00	50.00	3012.10	0.00	0.00	5390.56	0.00	0.00	55782.64	13427.18	0.00	42355.46
170+50	17050.00	50.00	3289.52	0.00	0.00	5834.83	0.00	0.00	61617.47	13427.18	0.00	48190.30
171+00	17100.00	50.00	3582.48	0.00	0.00	6362.96	0.00	0.00	67980.44	13427.18	0.00	54553.26
171+50	17150.00	50.00	3764.57	0.00	0.00	6802.82	0.00	0.00	74783.26	13427.18	0.00	61356.08
172+00 BK	17200.00	50.00	3647.53	0.00	0.00	6863.06	0.00	0.00	81646.32	13427.18	0.00	68219.14
Column totals						81646.32	13427.18	0.00				

PROJECT NO:1030-20-87	HWY:IH 94	COUNTY: MILWAUKEE	EARTHWORK	SHEET:	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090101_ew.ppt PLOT DATE : 7/11/2018 10:26:20 PM PLOT BY :MSCD1S PLOT NAME : 090101_ew2 PLOT SCALE : 1:1

Division 1 ELM

STATION		Real Station	Distance	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)			Mass Ordinate
				Cut	Fill	EBS	Cut	Fill	EBS	Cut	Fill	EBS	
8+50	AH	850.00	0.00	30.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9+00		900.00	50.00	57.99	0.00	0.00	82.32	0.00	0.00	82.32	0.00	0.00	82.32
9+25	BK	925.00	25.00	43.28	1.32	0.00	46.88	0.61	0.00	129.21	0.61	0.00	127.60
10+50	AH	1050.00	0.00	181.00	0.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	127.60
11+00		1100.00	50.00	417.16	27.46	0.00	553.85	25.91	0.00	553.85	25.91	0.00	655.54
11+50		1150.00	50.00	333.53	17.51	0.00	695.08	41.64	0.00	1248.94	67.55	0.00	1308.99
12+00		1200.00	50.00	186.89	60.21	0.00	481.87	71.96	0.00	1730.81	139.51	0.00	1718.89
12+50		1250.00	50.00	116.48	105.22	0.00	280.90	153.18	0.00	2011.70	292.69	0.00	1846.62
13+00		1300.00	50.00	119.76	104.13	0.00	218.74	193.84	0.00	2230.44	486.53	0.00	1871.51
13+50		1350.00	50.00	124.67	95.65	0.00	226.32	184.98	0.00	2456.77	671.51	0.00	1912.86
14+00		1400.00	50.00	102.38	110.60	0.00	210.23	190.97	0.00	2667.00	862.48	0.00	1932.12
14+50		1450.00	50.00	74.60	139.24	0.00	163.87	231.33	0.00	2830.87	1093.81	0.00	1864.65
15+00		1500.00	50.00	11.75	208.20	0.00	79.95	321.70	0.00	2910.82	1415.52	0.00	1622.90
15+50		1550.00	50.00	11.45	286.26	0.00	21.48	457.83	0.00	2932.31	1873.35	0.00	1186.55
16+00		1600.00	50.00	25.20	364.23	0.00	33.94	602.31	0.00	2966.24	2475.66	0.00	618.18
16+50		1650.00	50.00	201.11	188.80	0.00	209.55	512.06	0.00	3175.79	2987.72	0.00	315.66
17+00		1700.00	50.00	367.12	86.68	0.00	526.14	255.07	0.00	3701.93	3242.80	0.00	586.73
17+50		1750.00	50.00	540.11	38.70	0.00	840.03	116.09	0.00	4541.95	3358.89	0.00	1310.66
18+00		1800.00	50.00	579.35	29.11	0.00	1036.54	62.79	0.00	5578.49	3421.68	0.00	2284.41
18+50		1850.00	50.00	540.06	43.00	0.00	1036.49	66.77	0.00	6614.98	3488.44	0.00	3254.13
19+00		1900.00	50.00	576.00	37.27	0.00	1033.39	74.32	0.00	7648.37	3562.77	0.00	4213.20
19+50		1950.00	50.00	361.06	65.13	0.00	867.65	94.81	0.00	8516.02	3657.58	0.00	4986.03
20+00		2000.00	50.00	168.56	214.48	0.00	490.39	258.90	0.00	9006.41	3916.48	0.00	5217.52
20+50		2050.00	50.00	113.32	278.82	0.00	261.00	456.76	0.00	9267.41	4373.24	0.00	5021.76
21+00		2100.00	50.00	19.54	385.98	0.00	123.02	615.56	0.00	9390.43	4988.80	0.00	4529.23
21+50		2150.00	50.00	9.27	867.25	0.00	26.68	1160.40	0.00	9417.10	6149.19	0.00	3395.50
22+00		2200.00	50.00	9.87	1483.32	0.00	17.72	2176.45	0.00	9434.82	8325.65	0.00	1236.77
22+50		2250.00	50.00	57.15	1967.19	0.00	62.06	3194.92	0.00	9496.88	11520.56	0.00	-1896.09
23+00		2300.00	50.00	129.50	1900.63	0.00	172.82	3581.31	0.00	9669.70	15101.88	0.00	-5304.58
23+50		2350.00	50.00	273.07	1550.61	0.00	372.75	3195.59	0.00	10042.45	18297.47	0.00	-8127.42
24+00		2400.00	50.00	556.18	1123.32	0.00	767.82	2475.86	0.00	10810.28	20773.33	0.00	-9835.46
24+50		2450.00	50.00	539.05	918.28	0.00	1014.10	1890.37	0.00	11824.38	22663.70	0.00	-10711.73
25+00		2500.00	50.00	426.89	684.26	0.00	894.39	1483.83	0.00	12718.77	24147.54	0.00	-11301.17
25+50		2550.00	50.00	299.06	1454.76	0.00	672.18	1980.57	0.00	13390.94	26128.11	0.00	-12609.57
26+00		2600.00	50.00	401.86	1909.45	0.00	649.00	3115.01	0.00	14039.94	29243.12	0.00	-15075.58
26+50		2650.00	50.00	520.77	2529.33	0.00	854.29	4109.98	0.00	14894.23	33353.10	0.00	-18331.27
27+00		2700.00	50.00	135.09	2725.85	0.00	607.28	4865.91	0.00	15501.51	38219.01	0.00	-22589.90
27+50		2750.00	50.00	0.00	2014.08	0.00	125.08	4388.82	0.00	15626.59	42607.83	0.00	-26853.64
28+00		2800.00	50.00	0.00	1986.87	0.00	0.00	3704.58	0.00	15626.59	46312.42	0.00	-30558.23
28+50	BK	2850.00	50.00	0.00	2264.67	0.00	0.00	3936.61	0.00	15626.59	50249.03	0.00	-34494.84
						Column totals	15755.80	50249.64	0.00				

PROJECT NO:1030-20-87	HWY:IH 94	COUNTY: MILWAUKEE	EARTHWORK	SHEET:	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090101_ew.ppt PLOT DATE : 7/11/2018 10:26:20 PM PLOT BY :MSCD1S PLOT NAME : 090101_ew3 PLOT SCALE : 1:1

Division 1 TEMPORARY WIDENING

STATION	Real Station	Distance	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)			Mass Ordinate
			Cut	Fill	EBS	Cut	Fill	EBS	Cut	Fill	EBS	
1131+39 AH	113139.00	0.00	30.34	394.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1131+50	113150.00	11.00	33.65	387.77	0.00	13.04	159.45	0.00	13.04	159.45	0.00	-146.41
1132+00	113200.00	50.00	32.18	370.85	0.00	60.95	702.43	0.00	73.99	861.87	0.00	-787.88
1132+50	113250.00	50.00	41.26	362.29	0.00	68.00	678.83	0.00	141.99	1540.70	0.00	-1398.72
1133+00	113300.00	50.00	30.15	434.95	0.00	66.12	738.19	0.00	208.11	2278.89	0.00	-2070.78
1133+25 BK	113325.00	25.00	21.13	493.14	0.00	23.74	429.67	0.00	231.85	2708.56	0.00	-2477.71
1136+32 AH	113632.00	0.00	25.60	212.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1136+50	113650.00	18.00	30.33	173.46	0.00	18.64	128.54	0.00	18.64	128.54	0.00	-109.90
1137+00	113700.00	50.00	32.44	97.46	0.00	58.12	250.85	0.00	76.76	379.39	0.00	-302.63
1137+50	113750.00	50.00	33.19	62.94	0.00	60.77	148.52	0.00	137.53	527.91	0.00	-390.38
1138+00	113800.00	50.00	38.05	42.62	0.00	65.96	97.74	0.00	203.50	625.65	0.00	-422.16
1138+50	113850.00	50.00	34.62	37.56	0.00	67.29	74.24	0.00	270.78	699.89	0.00	-429.11
1139+00	113900.00	50.00	33.92	34.53	0.00	63.46	66.75	0.00	334.25	766.64	0.00	-432.40
1139+50	113950.00	50.00	34.01	35.14	0.00	62.90	64.51	0.00	397.14	831.15	0.00	-434.01
1140+00	114000.00	50.00	37.69	29.49	0.00	66.39	59.84	0.00	463.53	890.99	0.00	-427.46
1140+50	114050.00	50.00	35.46	39.37	0.00	67.73	63.76	0.00	531.26	954.75	0.00	-423.49
1141+00	114100.00	50.00	33.09	48.96	0.00	63.47	81.79	0.00	594.74	1036.54	0.00	-441.80
1141+50	114150.00	50.00	32.36	99.00	0.00	60.60	137.00	0.00	655.34	1173.54	0.00	-518.20
1142+00	114200.00	50.00	32.14	151.14	0.00	59.72	231.61	0.00	715.06	1405.15	0.00	-690.09
1142+50	114250.00	50.00	32.82	170.34	0.00	60.15	297.67	0.00	775.21	1702.82	0.00	-927.61
1143+00	114300.00	50.00	33.75	161.72	0.00	61.64	307.46	0.00	836.85	2010.28	0.00	-1173.43
1143+50	114350.00	50.00	31.87	182.60	0.00	60.76	318.81	0.00	897.61	2329.10	0.00	-1431.49
1144+00	114400.00	50.00	30.26	191.58	0.00	57.53	346.46	0.00	955.13	2675.56	0.00	-1720.42
1144+50	114450.00	50.00	29.22	181.80	0.00	55.07	345.72	0.00	1010.21	3021.28	0.00	-2011.07
1145+00	114500.00	50.00	29.72	188.48	0.00	54.57	342.85	0.00	1064.78	3364.13	0.00	-2299.35
1145+50	114550.00	50.00	30.11	193.26	0.00	55.40	353.46	0.00	1120.18	3717.60	0.00	-2597.42
1146+00	114600.00	50.00	28.77	202.35	0.00	54.52	366.31	0.00	1174.70	4083.90	0.00	-2909.20
1146+50	114650.00	50.00	26.13	255.97	0.00	50.83	424.37	0.00	1225.53	4508.27	0.00	-3282.74
1147+00	114700.00	50.00	26.34	250.71	0.00	48.58	469.15	0.00	1274.12	4977.42	0.00	-3703.30
1147+50	114750.00	50.00	25.44	263.86	0.00	47.94	476.45	0.00	1322.06	5453.87	0.00	-4131.81
1148+00	114800.00	50.00	25.16	244.58	0.00	46.85	470.78	0.00	1368.91	5924.65	0.00	-4555.74
1148+50	114850.00	50.00	10.00	253.17	0.00	32.56	460.88	0.00	1401.47	6385.53	0.00	-4984.06
1149+00	114900.00	50.00	9.58	232.95	0.00	18.13	450.11	0.00	1419.60	6835.64	0.00	-5416.04
1149+50	114950.00	50.00	10.09	227.10	0.00	18.21	425.97	0.00	1437.81	7261.61	0.00	-5823.80
1150+00	115000.00	50.00	9.36	200.94	0.00	18.01	396.33	0.00	1455.82	7657.95	0.00	-6202.13
1150+50	115050.00	50.00	7.57	115.99	0.00	15.68	293.45	0.00	1471.50	7951.40	0.00	-6479.91
1151+00	115100.00	50.00	9.29	54.17	0.00	15.61	157.56	0.00	1487.11	8108.96	0.00	-6621.85
1151+50	115150.00	50.00	26.43	26.20	0.00	33.07	74.42	0.00	1520.18	8183.37	0.00	-6663.19
1152+00	115200.00	50.00	79.92	14.40	0.00	98.47	37.59	0.00	1618.65	8220.97	0.00	-6602.31

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PROJECT NO:1030-20-87	HWY:IH 94	COUNTY: MILWAUKEE	EARTHWORK	SHEET:	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090101_ew.ppt PLOT DATE : 7/11/2018 10:26:20 PM PLOT BY :MSCD1S PLOT NAME : 090101_ew4 PLOT SCALE : 1:1

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Division 1 TEMPORARY WIDENING

STATION	Real Station	Distance	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)			Mass Ordinate
			Cut	Fill	EBS	Cut	Fill	EBS	Cut	Fill	EBS	
1152+50	115250.00	50.00	150.96	11.63	0.00	213.78	24.10	0.00	1832.43	8245.07	0.00	-6412.64
1153+00	115300.00	50.00	207.60	7.59	0.00	332.00	17.80	0.00	2164.43	8262.86	0.00	-6098.43
1153+50	115350.00	50.00	253.67	8.49	0.00	427.10	14.89	0.00	2591.53	8277.75	0.00	-5686.22
1154+00	115400.00	50.00	322.10	4.65	0.00	533.12	12.17	0.00	3124.65	8289.92	0.00	-5165.27
1154+50	115450.00	50.00	389.39	4.30	0.00	658.79	8.29	0.00	3783.44	8298.21	0.00	-4514.77
1155+00	115500.00	50.00	210.34	4.41	0.00	555.31	8.06	0.00	4338.75	8306.27	0.00	-3967.53
1155+50	115550.00	50.00	438.20	5.41	0.00	600.50	9.09	0.00	4939.25	8315.36	0.00	-3376.12
1156+00	115600.00	50.00	496.78	3.23	0.00	865.72	8.00	0.00	5804.97	8323.36	0.00	-2518.40
1156+50	115650.00	50.00	503.84	3.63	0.00	926.50	6.35	0.00	6731.47	8329.72	0.00	-1598.25
1157+00	115700.00	50.00	467.33	1.63	0.00	899.23	4.87	0.00	7630.70	8334.59	0.00	-703.89
1157+50	115750.00	50.00	455.82	3.61	0.00	854.77	4.85	0.00	8485.47	8339.44	0.00	146.03
1158+00	115800.00	50.00	499.49	4.91	0.00	884.55	7.89	0.00	9370.01	8347.33	0.00	1022.69
1158+50	115850.00	50.00	516.22	5.12	0.00	940.47	9.29	0.00	10310.49	8356.61	0.00	1953.87
1159+00	115900.00	50.00	510.98	4.08	0.00	951.11	8.52	0.00	11261.60	8365.13	0.00	2896.46
1159+50	115950.00	50.00	526.40	4.21	0.00	960.54	7.68	0.00	12222.13	8372.81	0.00	3849.33
1160+00	116000.00	50.00	529.30	5.27	0.00	977.50	8.78	0.00	13199.63	8381.59	0.00	4818.05
1160+50	116050.00	50.00	566.04	6.21	0.00	1014.20	10.63	0.00	14213.84	8392.22	0.00	5821.62
1161+00	116100.00	50.00	568.06	8.22	0.00	1050.09	13.36	0.00	15263.93	8405.58	0.00	6858.35
1161+50	116150.00	50.00	579.07	4.48	0.00	1062.16	11.76	0.00	16326.09	8417.34	0.00	7908.75
1162+00	116200.00	50.00	548.59	5.09	0.00	1044.13	8.86	0.00	17370.22	8426.20	0.00	8944.02
1162+50	116250.00	50.00	531.78	3.59	0.00	1000.34	8.04	0.00	18370.56	8434.23	0.00	9936.33
1163+00	116300.00	50.00	591.42	3.37	0.00	1040.00	6.44	0.00	19410.56	8440.68	0.00	10969.88
1163+50	116350.00	50.00	592.28	5.37	0.00	1096.02	8.09	0.00	20506.58	8448.77	0.00	12057.81
1164+00	116400.00	50.00	611.55	4.31	0.00	1114.66	8.96	0.00	21621.24	8457.73	0.00	13163.50
1164+50	116450.00	50.00	601.60	4.70	0.00	1123.29	8.34	0.00	22744.52	8466.08	0.00	14278.45
1165+00	116500.00	50.00	569.06	5.61	0.00	1083.94	9.55	0.00	23828.47	8475.62	0.00	15352.84
1165+50	116550.00	50.00	538.12	7.39	0.00	1025.17	12.04	0.00	24853.63	8487.66	0.00	16365.97
1166+00	116600.00	50.00	529.64	8.18	0.00	988.67	14.42	0.00	25842.30	8502.08	0.00	17340.22
1166+50	116650.00	50.00	539.56	8.12	0.00	990.00	15.09	0.00	26832.30	8517.17	0.00	18315.13
1167+00	116700.00	50.00	570.00	9.14	0.00	1027.37	15.98	0.00	27859.67	8533.15	0.00	19326.52
1167+50	116750.00	50.00	606.41	5.41	0.00	1089.27	13.47	0.00	28948.94	8546.62	0.00	20402.32
1168+00	116800.00	50.00	600.74	4.70	0.00	1117.73	9.36	0.00	30066.67	8555.98	0.00	21510.69
1168+50	116850.00	50.00	522.59	9.96	0.00	1040.12	13.57	0.00	31106.79	8569.56	0.00	22537.23
1169+00	116900.00	50.00	486.95	9.03	0.00	934.76	17.58	0.00	32041.55	8587.14	0.00	23454.41
1169+50	116950.00	50.00	459.59	9.67	0.00	876.43	17.31	0.00	32917.98	8604.46	0.00	24313.52
1170+00	117000.00	50.00	416.34	15.12	0.00	811.05	22.95	0.00	33729.02	8627.41	0.00	25101.61
1170+50	117050.00	50.00	337.71	28.59	0.00	698.19	40.47	0.00	34427.22	8667.88	0.00	25759.33
1171+00	117100.00	50.00	312.85	24.99	0.00	602.37	49.61	0.00	35029.59	8717.49	0.00	26312.09
1171+50	117150.00	50.00	235.71	30.25	0.00	507.93	51.15	0.00	35537.51	8768.64	0.00	26768.87
1172+00	117200.00	50.00	181.41	51.27	0.00	386.22	75.48	0.00	35923.74	8844.12	0.00	27079.61

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FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090101_ew.ppt PLOT DATE : 7/11/2018 10:26:21 PM PLOT BY :MSCD1S PLOT NAME : 090101_ew5 PLOT SCALE : 1:1

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Division 1 TEMPORARY WIDENING

STATION	Real Station	Distance	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)			Mass Ordinate
			Cut	Fill	EBS	Cut	Fill	EBS	Cut	Fill	EBS	
1192+50	119250.00	50.00	20.96	41.91	0.00	39.21	72.18	0.00	40311.32	15425.03	0.00	24886.29
1193+00	119300.00	50.00	21.17	41.75	0.00	39.01	77.46	0.00	40350.33	15502.49	0.00	24847.83
1193+50	119350.00	50.00	19.86	46.42	0.00	37.99	81.64	0.00	40388.32	15584.13	0.00	24804.19
1194+00	119400.00	50.00	21.88	33.80	0.00	38.65	74.28	0.00	40426.97	15658.41	0.00	24768.56
1194+50	119450.00	50.00	24.10	20.83	0.00	42.57	50.58	0.00	40469.54	15708.99	0.00	24760.55
1195+00	119500.00	50.00	29.79	7.83	0.00	49.90	26.54	0.00	40519.44	15735.53	0.00	24783.91
1195+50	119550.00	50.00	22.71	67.21	0.00	48.61	69.48	0.00	40568.05	15805.01	0.00	24763.04
1195+67 BK	119567.00	17.00	21.25	284.38	0.00	13.84	110.69	0.00	40581.89	15915.70	0.00	24666.19
1196+99 AH	119699.00	0.00	19.32	115.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1197+00	119700.00	1.00	17.53	104.78	0.00	0.68	4.08	0.00	0.68	4.08	0.00	-3.40
1197+50	119750.00	50.00	37.06	3.00	0.00	50.55	99.80	0.00	51.23	103.88	0.00	-52.65
1198+00	119800.00	50.00	69.56	0.00	0.00	98.72	2.78	0.00	149.95	106.66	0.00	43.29
1198+50	119850.00	50.00	85.88	0.01	0.00	143.93	0.01	0.00	293.88	106.67	0.00	187.21
1199+00	119900.00	50.00	96.79	0.00	0.00	169.14	0.01	0.00	463.02	106.67	0.00	356.34
1199+50	119950.00	50.00	113.18	0.00	0.00	194.42	0.00	0.00	657.43	106.67	0.00	550.76
1200+00	120000.00	50.00	132.01	0.00	0.00	227.03	0.00	0.00	884.46	106.67	0.00	777.79
1200+50	120050.00	50.00	170.10	0.01	0.00	279.73	0.01	0.00	1164.19	106.68	0.00	1057.51
1201+00	120100.00	50.00	230.20	0.00	0.00	370.65	0.01	0.00	1534.84	106.69	0.00	1428.15
1201+50	120150.00	50.00	183.05	0.00	0.00	382.64	0.00	0.00	1917.48	106.69	0.00	1810.79
1202+00	120200.00	50.00	128.35	0.00	0.00	288.33	0.00	0.00	2205.81	106.69	0.00	2099.12
1202+50	120250.00	50.00	114.55	0.00	0.00	224.91	0.00	0.00	2430.72	106.69	0.00	2324.03
1203+00	120300.00	50.00	69.95	1.60	0.00	170.83	1.48	0.00	2601.55	108.17	0.00	2493.38
1203+50	120350.00	50.00	8.63	31.02	0.00	72.76	30.20	0.00	2674.31	138.38	0.00	2535.93
1204+00	120400.00	50.00	30.74	12.98	0.00	36.45	40.74	0.00	2710.77	179.12	0.00	2531.65
1204+50	120450.00	50.00	12.06	14.09	0.00	39.63	25.06	0.00	2750.40	204.18	0.00	2546.21
1205+00	120500.00	50.00	14.83	9.52	0.00	24.90	21.86	0.00	2775.29	226.05	0.00	2549.25
1205+50	120550.00	50.00	13.76	10.09	0.00	26.47	18.16	0.00	2801.77	244.20	0.00	2557.56
1206+00	120600.00	50.00	30.58	7.59	0.00	41.06	16.37	0.00	2842.82	260.57	0.00	2582.25
1206+50	120650.00	50.00	44.74	6.82	0.00	69.74	13.34	0.00	2912.56	273.92	0.00	2638.65
1207+00	120700.00	50.00	43.47	5.77	0.00	81.68	11.66	0.00	2994.24	285.57	0.00	2708.67
1207+50	120750.00	50.00	34.54	9.45	0.00	72.23	14.09	0.00	3066.47	299.67	0.00	2766.80
1208+00	120800.00	50.00	25.85	12.28	0.00	55.92	20.12	0.00	3122.39	319.79	0.00	2802.60
1208+50	120850.00	50.00	26.66	11.86	0.00	48.62	22.35	0.00	3171.01	342.14	0.00	2828.87
1209+00	120900.00	50.00	26.17	11.18	0.00	48.92	21.33	0.00	3219.92	363.47	0.00	2856.45
1209+50	120950.00	50.00	51.03	8.31	0.00	71.48	18.05	0.00	3291.40	381.52	0.00	2909.89
1210+00	121000.00	50.00	149.96	8.37	0.00	186.10	15.44	0.00	3477.51	396.96	0.00	3080.54
1210+50	121050.00	50.00	185.78	4.63	0.00	310.87	12.04	0.00	3788.38	409.00	0.00	3379.38
1211+00	121100.00	50.00	162.33	1.62	0.00	322.32	5.79	0.00	4110.70	414.79	0.00	3695.92
1211+50	121150.00	50.00	169.12	3.02	0.00	306.90	4.30	0.00	4417.60	419.08	0.00	3998.52
1212+00	121200.00	50.00	155.48	6.67	0.00	300.56	8.97	0.00	4718.15	428.05	0.00	4290.10
1212+50	121250.00	50.00	146.40	13.44	0.00	279.52	18.62	0.00	4997.67	446.67	0.00	4551.00

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Division 1 TEMPORARY WIDENING

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Fill	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut	Cumulative Vol (CY) Fill	Cumulative Vol (CY) EBS	Mass Ordinate
1213+00	121300.00	50.00	131.41	14.07	0.00	257.23	25.47	0.00	5254.90	472.15	0.00	26971.24
1213+50	121350.00	50.00	203.83	14.39	0.00	310.41	26.35	0.00	5565.31	498.50	0.00	27255.29
1214+00	121400.00	50.00	134.09	11.68	0.00	312.89	24.14	0.00	5878.20	522.64	0.00	27544.04
1214+50	121450.00	50.00	148.32	11.44	0.00	261.49	21.41	0.00	6139.69	544.05	0.00	27784.13
1215+00	121500.00	50.00	168.96	10.11	0.00	293.78	19.95	0.00	6433.47	564.00	0.00	28057.95
1215+50	121550.00	50.00	165.15	11.33	0.00	309.36	19.85	0.00	6742.83	583.85	0.00	28347.46
1216+00	121600.00	50.00	126.76	13.91	0.00	270.29	23.37	0.00	7013.12	607.22	0.00	28594.38
1216+50	121650.00	50.00	128.88	10.72	0.00	236.70	22.81	0.00	7249.82	630.03	0.00	28808.28
1217+00	121700.00	50.00	145.15	9.24	0.00	253.73	18.48	0.00	7503.55	648.51	0.00	29043.53
1217+50	121750.00	50.00	140.19	67.05	0.00	264.20	70.64	0.00	7767.76	719.15	0.00	29237.09
1218+00	121800.00	50.00	139.51	35.71	0.00	258.98	95.15	0.00	8026.74	814.30	0.00	29400.92
1218+50	121850.00	50.00	199.75	0.00	0.00	314.13	33.06	0.00	8340.87	847.36	0.00	29681.99
1219+00	121900.00	50.00	279.60	0.05	0.00	443.84	0.05	0.00	8784.71	847.41	0.00	30125.79
1219+50	121950.00	50.00	339.60	1.32	0.00	573.33	1.27	0.00	9358.04	848.67	0.00	30697.85
1220+00	122000.00	50.00	341.82	0.00	0.00	630.94	1.22	0.00	9988.99	849.90	0.00	31327.57
1220+50	122050.00	50.00	353.04	0.67	0.00	643.39	0.62	0.00	10632.38	850.52	0.00	31970.34
1221+00	122100.00	50.00	356.45	2.03	0.00	656.94	2.50	0.00	11289.31	853.02	0.00	32624.78
1221+15 BK	122115.00	15.00	353.94	1.12	0.00	197.33	0.88	0.00	11486.64	853.89	0.00	32821.23
						Column totals	52300.38	19478.15	0.00			

PROJECT NO:1030-20-87	HWY:IH 94	COUNTY: MILWAUKEE	EARTHWORK	SHEET:	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090101_ew.ppt PLOT DATE : 7/11/2018 10:26:21 PM PLOT BY :MSCD1S PLOT NAME : 090101_ew7 PLOT SCALE : 1:1

Division 2 IH 94 SB

STATION	Real Station	Distance	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)			Mass Ordinate
			Cut	Fill	EBS	Cut	Fill	EBS	Cut	Fill	EBS	
131+35 AH	13134.50	0.00	3.84	550.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
131+50	13150.00	15.50	3.36	556.32	0.00	2.07	317.77	0.00	2.07	317.77	0.00	-315.70
132+00	13200.00	50.00	0.87	639.80	0.00	3.92	1107.52	0.00	5.98	1425.29	0.00	-1419.31
132+50	13250.00	50.00	0.18	762.55	0.00	0.97	1298.47	0.00	6.96	2723.76	0.00	-2716.81
132+54 BK	13253.60	3.60	0.07	777.69	0.00	0.02	102.68	0.00	6.97	2826.44	0.00	-2819.47
136+40 AH	13640.00	0.00	0.00	608.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
136+50	13650.00	10.00	0.00	619.68	0.00	0.00	227.53	0.00	0.00	227.53	0.00	-227.53
137+00	13700.00	50.00	0.00	616.56	0.00	0.00	1144.67	0.00	0.00	1372.20	0.00	-1372.20
137+50	13750.00	50.00	0.00	631.94	0.00	0.00	1156.02	0.00	0.00	2528.22	0.00	-2528.22
138+00	13800.00	50.00	0.00	604.07	0.00	0.00	1144.45	0.00	0.00	3672.67	0.00	-3672.67
138+50	13850.00	50.00	0.00	569.26	0.00	0.00	1086.42	0.00	0.00	4759.09	0.00	-4759.09
139+00	13900.00	50.00	0.00	510.48	0.00	0.00	999.76	0.00	0.00	5758.85	0.00	-5758.85
139+50	13950.00	50.00	0.00	436.40	0.00	0.00	876.74	0.00	0.00	6635.59	0.00	-6635.59
140+00	14000.00	50.00	0.00	332.18	0.00	0.00	711.65	0.00	0.00	7347.24	0.00	-7347.24
140+50	14050.00	50.00	0.00	260.40	0.00	0.00	548.69	0.00	0.00	7895.92	0.00	-7895.92
141+00	14100.00	50.00	0.00	109.08	0.00	0.00	342.11	0.00	0.00	8238.03	0.00	-8238.03
141+50	14150.00	50.00	1.40	110.70	0.00	1.30	203.50	0.00	1.30	8441.53	0.00	-8440.24
142+00	14200.00	50.00	8.24	112.37	0.00	8.93	206.55	0.00	10.22	8648.08	0.00	-8637.86
142+50	14250.00	50.00	22.55	121.81	0.00	28.51	216.83	0.00	38.73	8864.91	0.00	-8826.18
143+00	14300.00	50.00	31.31	123.11	0.00	49.87	226.78	0.00	88.60	9091.69	0.00	-9003.09
143+50	14350.00	50.00	40.49	121.58	0.00	66.48	226.56	0.00	155.08	9318.25	0.00	-9163.17
144+00	14400.00	50.00	42.82	131.00	0.00	77.14	233.87	0.00	232.22	9552.12	0.00	-9319.90
144+50	14450.00	50.00	45.74	103.35	0.00	82.00	216.99	0.00	314.22	9769.11	0.00	-9454.89
145+00	14500.00	50.00	42.34	129.14	0.00	81.56	215.27	0.00	395.78	9984.38	0.00	-9588.61
145+50	14550.00	50.00	35.22	142.31	0.00	71.81	251.34	0.00	467.59	10235.73	0.00	-9768.13
146+00	14600.00	50.00	18.04	65.18	0.00	49.31	192.12	0.00	516.91	10427.85	0.00	-9910.94
146+50	14650.00	50.00	19.84	63.57	0.00	35.07	119.21	0.00	551.98	10547.06	0.00	-9995.08
147+00	14700.00	50.00	20.13	58.12	0.00	37.01	112.68	0.00	588.99	10659.74	0.00	-10070.74
147+50	14750.00	50.00	17.82	56.94	0.00	35.14	106.54	0.00	624.13	10766.27	0.00	-10142.14
148+00	14800.00	50.00	12.57	56.25	0.00	28.14	104.81	0.00	652.27	10871.08	0.00	-10218.81
148+50	14850.00	50.00	6.68	53.86	0.00	17.82	101.95	0.00	670.09	10973.03	0.00	-10302.94
149+00	14900.00	50.00	0.27	51.55	0.00	6.44	97.60	0.00	676.53	11070.63	0.00	-10394.11
149+50	14950.00	50.00	0.00	55.81	0.00	0.25	99.41	0.00	676.78	11170.04	0.00	-10493.26
150+00	15000.00	50.00	0.00	71.65	0.00	0.00	118.02	0.00	676.78	11288.06	0.00	-10611.28
150+50	15050.00	50.00	0.00	82.92	0.00	0.00	143.12	0.00	676.78	11431.18	0.00	-10754.40
151+00	15100.00	50.00	0.00	101.43	0.00	0.00	170.69	0.00	676.78	11601.87	0.00	-10925.10
151+50	15150.00	50.00	0.00	122.58	0.00	0.00	207.42	0.00	676.78	11809.29	0.00	-11132.51
152+00	15200.00	50.00	0.00	154.20	0.00	0.00	256.28	0.00	676.78	12065.57	0.00	-11388.79

(CONTINUED ON NEXT SHEET)

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Division 2 IH 94 SB

STATION	Real Station	Distance	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)			Mass Ordinate
			Cut	Fill	EBS	Cut	Fill	EBS	Cut	Fill	EBS	
152+50	15250.00	50.00	0.00	429.79	0.00	0.00	540.73	0.00	676.78	12606.30	0.00	-11929.52
153+00	15300.00	50.00	0.00	96.59	0.00	0.00	487.39	0.00	676.78	13093.69	0.00	-12416.91
153+50	15350.00	50.00	0.00	103.53	0.00	0.00	185.30	0.00	676.78	13278.99	0.00	-12602.21
154+00	15400.00	50.00	0.00	114.05	0.00	0.00	201.46	0.00	676.78	13480.45	0.00	-12803.67
154+50	15450.00	50.00	0.00	120.43	0.00	0.00	217.11	0.00	676.78	13697.56	0.00	-13020.78
155+00	15500.00	50.00	0.00	122.39	0.00	0.00	224.83	0.00	676.78	13922.39	0.00	-13245.61
155+50	15550.00	50.00	0.00	116.13	0.00	0.00	220.85	0.00	676.78	14143.24	0.00	-13466.47
156+00	15600.00	50.00	0.00	109.69	0.00	0.00	209.09	0.00	676.78	14352.34	0.00	-13675.56
156+50	15650.00	50.00	0.00	111.20	0.00	0.00	204.53	0.00	676.78	14556.86	0.00	-13880.09
157+00	15700.00	50.00	0.00	105.32	0.00	0.00	200.48	0.00	676.78	14757.35	0.00	-14080.57
157+50	15750.00	50.00	0.00	99.47	0.00	0.00	189.62	0.00	676.78	14946.97	0.00	-14270.19
158+00	15800.00	50.00	0.00	95.82	0.00	0.00	180.82	0.00	676.78	15127.79	0.00	-14451.01
158+50	15850.00	50.00	0.00	86.49	0.00	0.00	168.81	0.00	676.78	15296.60	0.00	-14619.82
159+00	15900.00	50.00	0.00	76.36	0.00	0.00	150.79	0.00	676.78	15447.38	0.00	-14770.61
159+50	15950.00	50.00	0.00	72.78	0.00	0.00	138.09	0.00	676.78	15585.48	0.00	-14908.70
160+00	16000.00	50.00	0.00	56.83	0.00	0.00	120.01	0.00	676.78	15705.49	0.00	-15028.71
160+50	16050.00	50.00	0.00	47.05	0.00	0.00	96.19	0.00	676.78	15801.67	0.00	-15124.89
161+00	16100.00	50.00	0.00	36.95	0.00	0.00	77.78	0.00	676.78	15879.45	0.00	-15202.67
161+50	16150.00	50.00	3.22	27.44	0.00	2.98	59.62	0.00	679.76	15939.07	0.00	-15259.31
162+00	16200.00	50.00	15.06	502.35	0.00	16.93	490.55	0.00	696.69	16429.61	0.00	-15732.93
162+50	16250.00	50.00	22.03	31.29	0.00	34.34	494.11	0.00	731.03	16923.73	0.00	-16192.70
163+00	16300.00	50.00	33.61	26.94	0.00	51.52	53.92	0.00	782.55	16977.64	0.00	-16195.10
163+50	16350.00	50.00	43.94	24.31	0.00	71.81	47.45	0.00	854.35	17025.10	0.00	-16170.74
164+00	16400.00	50.00	64.87	250.89	0.00	100.75	254.82	0.00	955.10	17279.91	0.00	-16324.81
164+50	16450.00	50.00	76.72	13.28	0.00	131.10	244.60	0.00	1086.20	17524.52	0.00	-16438.31
165+00	16500.00	50.00	91.62	11.90	0.00	155.87	23.31	0.00	1242.07	17547.83	0.00	-16305.76
165+50	16550.00	50.00	104.77	7.11	0.00	181.84	17.60	0.00	1423.92	17565.43	0.00	-16141.52
166+00	16600.00	50.00	118.52	11.60	0.00	206.75	17.32	0.00	1630.67	17582.76	0.00	-15952.09
166+50	16650.00	50.00	134.47	10.19	0.00	234.25	20.18	0.00	1864.92	17602.93	0.00	-15738.02
167+00	16700.00	50.00	142.15	10.80	0.00	256.13	19.44	0.00	2121.05	17622.37	0.00	-15501.32
167+50	16750.00	50.00	146.18	14.22	0.00	266.97	23.17	0.00	2388.02	17645.54	0.00	-15257.52
168+00	16800.00	50.00	143.53	9.13	0.00	268.25	21.62	0.00	2656.27	17667.16	0.00	-15010.89
168+50	16850.00	50.00	126.41	18.62	0.00	249.94	25.69	0.00	2906.21	17692.85	0.00	-14786.64
169+00	16900.00	50.00	111.90	20.22	0.00	220.66	35.96	0.00	3126.87	17728.81	0.00	-14601.94
169+50	16950.00	50.00	93.04	30.66	0.00	189.76	47.11	0.00	3316.63	17775.93	0.00	-14459.30
170+00	17000.00	50.00	85.37	51.19	0.00	165.19	75.79	0.00	3481.82	17851.71	0.00	-14369.89
170+50	17050.00	50.00	85.48	56.13	0.00	158.19	99.37	0.00	3640.02	17951.08	0.00	-14311.06
171+00	17100.00	50.00	124.09	70.44	0.00	194.05	117.19	0.00	3834.06	18068.28	0.00	-14234.21
171+50	17150.00	50.00	66.58	85.30	0.00	176.55	144.20	0.00	4010.61	18212.48	0.00	-14201.87
172+00	17200.00	50.00	28.36	100.58	0.00	87.91	172.11	0.00	4098.52	18384.59	0.00	-14286.07

(CONTINUED ON NEXT SHEET)

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Division 2 IH 94 SB

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Fill	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut	Cumulative Vol (CY) Fill	Cumulative Vol (CY) EBS	Mass Ordinate
192+50	19250.00	50.00	0.00	671.23	0.00	0.00	1276.90	0.00	18629.98	83322.49	0.00	-64692.51
193+00	19300.00	50.00	0.00	567.44	0.00	0.00	1146.92	0.00	18629.98	84469.41	0.00	-65839.43
193+50	19350.00	50.00	3.26	480.98	0.00	3.02	970.76	0.00	18633.00	85440.17	0.00	-66807.17
194+00	19400.00	50.00	10.92	402.15	0.00	13.13	817.71	0.00	18646.13	86257.88	0.00	-67611.75
194+07 BK	19406.80	6.80	12.08	188.52	0.00	2.90	74.38	0.00	18649.03	86332.26	0.00	-67683.23
196+19 AH	19618.50	0.00	226.12	510.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
196+50	19650.00	31.50	259.03	461.76	0.00	283.00	566.97	0.00	283.00	566.97	0.00	-283.96
197+00	19700.00	50.00	295.61	384.55	0.00	513.56	783.62	0.00	796.56	1350.59	0.00	-554.03
197+50	19750.00	50.00	341.84	324.86	0.00	590.23	656.86	0.00	1386.79	2007.45	0.00	-620.66
198+00	19800.00	50.00	362.16	268.12	0.00	651.85	549.06	0.00	2038.64	2556.50	0.00	-517.86
198+50	19850.00	50.00	367.52	227.21	0.00	675.63	458.64	0.00	2714.27	3015.14	0.00	-300.87
199+00	19900.00	50.00	340.24	183.39	0.00	655.33	380.19	0.00	3369.61	3395.33	0.00	-25.72
199+50	19950.00	50.00	296.56	182.82	0.00	589.63	339.08	0.00	3959.24	3734.41	0.00	224.83
200+00	20000.00	50.00	234.18	191.75	0.00	491.43	346.82	0.00	4450.66	4081.23	0.00	369.43
200+50	20050.00	50.00	196.50	328.28	0.00	398.78	481.51	0.00	4849.44	4562.74	0.00	286.70
201+00	20100.00	50.00	177.11	342.88	0.00	345.94	621.44	0.00	5195.37	5184.19	0.00	11.19
201+50	20150.00	50.00	178.95	257.02	0.00	329.69	555.46	0.00	5525.06	5739.65	0.00	-214.59
202+00	20200.00	50.00	192.92	143.52	0.00	344.32	370.87	0.00	5869.38	6110.52	0.00	-241.14
202+50	20250.00	50.00	201.65	93.87	0.00	365.34	219.81	0.00	6234.73	6330.33	0.00	-95.60
203+00	20300.00	50.00	197.72	64.70	0.00	369.79	146.82	0.00	6604.51	6477.15	0.00	127.36
203+50	20350.00	50.00	177.72	49.11	0.00	347.63	105.38	0.00	6952.14	6582.53	0.00	369.61
204+00	20400.00	50.00	149.94	26.65	0.00	303.39	70.15	0.00	7255.53	6652.68	0.00	602.85
204+50	20450.00	50.00	140.44	11.36	0.00	268.87	35.19	0.00	7524.40	6687.87	0.00	836.53
205+00	20500.00	50.00	155.24	20.61	0.00	273.78	29.60	0.00	7798.18	6717.47	0.00	1080.71
205+50	20550.00	50.00	168.28	13.65	0.00	299.56	31.72	0.00	8097.74	6749.20	0.00	1348.54
206+00	20600.00	50.00	195.12	16.25	0.00	336.48	27.69	0.00	8434.22	6776.88	0.00	1657.34
206+50	20650.00	50.00	198.00	16.19	0.00	364.00	30.04	0.00	8798.22	6806.92	0.00	1991.30
207+00	20700.00	50.00	205.14	18.93	0.00	373.28	32.52	0.00	9171.49	6839.44	0.00	2332.06
207+50	20750.00	50.00	217.56	17.99	0.00	391.39	34.19	0.00	9562.88	6873.62	0.00	2689.26
208+00	20800.00	50.00	223.42	16.23	0.00	408.31	31.69	0.00	9971.20	6905.31	0.00	3065.89
208+50	20850.00	50.00	207.85	18.82	0.00	399.32	32.45	0.00	10370.52	6937.76	0.00	3432.76
209+00	20900.00	50.00	182.78	20.52	0.00	361.69	36.43	0.00	10732.22	6974.19	0.00	3758.03
209+50	20950.00	50.00	157.80	22.29	0.00	315.35	39.64	0.00	11047.57	7013.83	0.00	4033.74
210+00	21000.00	50.00	103.20	112.69	0.00	241.67	124.98	0.00	11289.24	7138.81	0.00	4150.43
210+50	21050.00	50.00	99.87	143.63	0.00	188.03	237.33	0.00	11477.26	7376.14	0.00	4101.12
211+00	21100.00	50.00	101.90	156.36	0.00	186.82	277.77	0.00	11664.09	7653.91	0.00	4010.18
211+50	21150.00	50.00	148.45	120.20	0.00	231.81	256.07	0.00	11895.89	7909.98	0.00	3985.91
212+00	21200.00	50.00	210.89	108.48	0.00	332.72	211.74	0.00	12228.62	8121.72	0.00	4106.89

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Division 2 IH 94 SB

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Fill	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut	Cumulative Vol (CY) Fill	Cumulative Vol (CY) EBS	Mass Ordinate
212+50	21250.00	50.00	255.99	22.88	0.00	432.30	121.63	0.00	12660.91	8243.35	0.00	4417.56
213+00	21300.00	50.00	288.30	24.36	0.00	503.97	43.74	0.00	13164.88	8287.09	0.00	4877.79
213+50	21350.00	50.00	302.33	22.21	0.00	546.88	43.12	0.00	13711.76	8330.22	0.00	5381.55
214+00	21400.00	50.00	309.88	21.26	0.00	566.86	40.25	0.00	14278.62	8370.47	0.00	5908.16
214+50	21450.00	50.00	308.47	24.78	0.00	572.55	42.63	0.00	14851.17	8413.09	0.00	6438.08
215+00	21500.00	50.00	339.12	22.88	0.00	599.62	44.13	0.00	15450.79	8457.22	0.00	6993.57
215+50	21550.00	50.00	362.55	22.02	0.00	649.69	41.57	0.00	16100.49	8498.80	0.00	7601.69
216+00	21600.00	50.00	399.54	22.49	0.00	705.64	41.21	0.00	16806.12	8540.01	0.00	8266.11
216+50	21650.00	50.00	418.30	22.40	0.00	757.26	41.56	0.00	17563.38	8581.58	0.00	8981.81
217+00	21700.00	50.00	437.74	19.62	0.00	792.63	38.91	0.00	18356.01	8620.48	0.00	9735.53
217+50	21750.00	50.00	453.83	14.34	0.00	825.53	31.44	0.00	19181.54	8651.93	0.00	10529.61
218+00	21800.00	50.00	445.83	10.15	0.00	833.02	22.68	0.00	20014.56	8674.60	0.00	11339.96
218+50	21850.00	50.00	437.59	7.57	0.00	817.98	16.41	0.00	20832.54	8691.01	0.00	12141.53
219+00	21900.00	50.00	443.63	6.42	0.00	815.94	12.95	0.00	21648.49	8703.97	0.00	12944.52
219+50	21950.00	50.00	467.50	5.52	0.00	843.64	11.06	0.00	22492.12	8715.02	0.00	13777.10
220+00 BK	22000.00	50.00	478.87	6.83	0.00	876.27	11.44	0.00	23368.39	8726.46	0.00	14641.94
					Column totals	42024.39	97885.16	0.00				

PROJECT NO:1030-20-87	HWY:IH 94	COUNTY: MILWAUKEE	EARTHWORK	SHEET:	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090101_ew.ppt PLOT DATE : 7/11/2018 10:26:21 PM PLOT BY :MSCD1S PLOT NAME : 090101_ew11 PLOT SCALE : 1:1

Division 2 IH 94 NB

STATION	Real Station	Distance	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)			Mass Ordinate
			Cut	Fill	EBS	Cut	Fill	EBS	Cut	Fill	EBS	
147+00 AH	14700.00	0.00	20.13	54.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147+50	14750.00	50.00	17.82	53.30	0.00	35.14	99.81	0.00	35.14	99.81	0.00	-64.67
148+00	14800.00	50.00	12.57	52.62	0.00	28.14	98.07	0.00	63.28	197.88	0.00	-134.60
148+50	14850.00	50.00	6.68	50.22	0.00	17.82	95.22	0.00	81.10	293.10	0.00	-212.00
149+00	14900.00	50.00	0.27	47.92	0.00	6.44	90.87	0.00	87.54	383.97	0.00	-296.44
149+50	14950.00	50.00	0.00	52.18	0.00	0.25	92.69	0.00	87.79	476.66	0.00	-388.87
150+00	15000.00	50.00	0.00	67.30	0.00	0.00	110.63	0.00	87.79	587.29	0.00	-499.50
150+50	15050.00	50.00	0.00	78.26	0.00	0.00	134.78	0.00	87.79	722.06	0.00	-634.28
151+00	15100.00	50.00	0.00	99.65	0.00	0.00	164.73	0.00	87.79	886.80	0.00	-799.01
151+50	15150.00	50.00	0.00	121.15	0.00	0.00	204.44	0.00	87.79	1091.24	0.00	-1003.45
152+00	15200.00	50.00	0.00	151.36	0.00	0.00	252.32	0.00	87.79	1343.56	0.00	-1255.78
152+50	15250.00	50.00	0.00	115.37	0.00	0.00	246.97	0.00	87.79	1590.54	0.00	-1502.75
153+00	15300.00	50.00	0.00	222.66	0.00	0.00	312.99	0.00	87.79	1903.53	0.00	-1815.74
153+50	15350.00	50.00	0.00	201.43	0.00	0.00	392.68	0.00	87.79	2296.20	0.00	-2208.42
154+00	15400.00	50.00	0.00	208.56	0.00	0.00	379.62	0.00	87.79	2675.82	0.00	-2588.04
154+50	15450.00	50.00	0.00	162.60	0.00	0.00	343.67	0.00	87.79	3019.49	0.00	-2931.70
155+00	15500.00	50.00	0.00	157.63	0.00	0.00	296.51	0.00	87.79	3316.00	0.00	-3228.21
155+50	15550.00	50.00	0.00	141.62	0.00	0.00	277.08	0.00	87.79	3593.08	0.00	-3505.30
156+00	15600.00	50.00	0.00	129.73	0.00	0.00	251.25	0.00	87.79	3844.33	0.00	-3756.55
156+50	15650.00	50.00	0.00	132.27	0.00	0.00	242.59	0.00	87.79	4086.93	0.00	-3999.14
157+00	15700.00	50.00	0.00	127.13	0.00	0.00	240.19	0.00	87.79	4327.11	0.00	-4239.32
157+50	15750.00	50.00	0.00	122.30	0.00	0.00	230.95	0.00	87.79	4558.06	0.00	-4470.28
158+00	15800.00	50.00	0.00	118.76	0.00	0.00	223.20	0.00	87.79	4781.27	0.00	-4693.48
158+50	15850.00	50.00	0.00	110.88	0.00	0.00	212.63	0.00	87.79	4993.90	0.00	-4906.11
159+00	15900.00	50.00	0.00	100.97	0.00	0.00	196.16	0.00	87.79	5190.06	0.00	-5102.27
159+50	15950.00	50.00	0.00	95.62	0.00	0.00	182.03	0.00	87.79	5372.08	0.00	-5284.30
160+00	16000.00	50.00	0.00	78.37	0.00	0.00	161.10	0.00	87.79	5533.19	0.00	-5445.40
160+50	16050.00	50.00	0.00	68.04	0.00	0.00	135.56	0.00	87.79	5668.75	0.00	-5580.96
161+00	16100.00	50.00	0.00	55.22	0.00	0.00	114.13	0.00	87.79	5782.88	0.00	-5695.09
161+50	16150.00	50.00	3.22	44.70	0.00	2.98	92.52	0.00	90.77	5875.40	0.00	-5784.63
162+00	16200.00	50.00	14.96	506.20	0.00	16.83	510.09	0.00	107.60	6385.49	0.00	-6277.89
162+50	16250.00	50.00	21.86	37.74	0.00	34.09	503.65	0.00	141.69	6889.14	0.00	-6747.44
163+00	16300.00	50.00	33.28	33.22	0.00	51.06	65.70	0.00	192.75	6954.84	0.00	-6762.09
163+50	16350.00	50.00	43.53	30.51	0.00	71.12	59.01	0.00	263.87	7013.85	0.00	-6749.98
164+00	16400.00	50.00	64.30	363.53	0.00	99.84	364.85	0.00	363.71	7378.70	0.00	-7014.99
164+50	16450.00	50.00	76.05	16.58	0.00	129.95	351.95	0.00	493.67	7730.66	0.00	-7236.99
165+00	16500.00	50.00	90.69	14.93	0.00	154.39	29.18	0.00	648.06	7759.83	0.00	-7111.78
165+50	16550.00	50.00	103.68	9.97	0.00	179.97	23.06	0.00	828.03	7782.89	0.00	-6954.86
166+00	16600.00	50.00	116.75	13.78	0.00	204.10	21.99	0.00	1032.13	7804.88	0.00	-6772.75
166+50	16650.00	50.00	131.41	11.09	0.00	229.78	23.03	0.00	1261.91	7827.91	0.00	-6566.00

(CONTINUED ON NEXT SHEET)

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Division 2 IH 94 NB

STATION	Real Station	Distance	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)			Mass Ordinate
			Cut	Fill	EBS	Cut	Fill	EBS	Cut	Fill	EBS	
167+00	16700.00	50.00	139.05	11.65	0.00	250.43	21.06	0.00	1512.33	7848.96	0.00	-6336.63
167+50	16750.00	50.00	143.12	15.05	0.00	261.27	24.72	0.00	1773.60	7873.69	0.00	-6100.08
168+00	16800.00	50.00	140.58	9.96	0.00	262.69	23.16	0.00	2036.29	7896.84	0.00	-5860.56
168+50	16850.00	50.00	125.16	21.06	0.00	246.06	28.72	0.00	2282.34	7925.56	0.00	-5643.22
169+00	16900.00	50.00	111.15	23.05	0.00	218.81	40.84	0.00	2501.15	7966.41	0.00	-5465.26
169+50	16950.00	50.00	92.64	33.59	0.00	188.69	52.44	0.00	2689.84	8018.85	0.00	-5329.01
170+00	17000.00	50.00	85.36	54.28	0.00	164.81	81.36	0.00	2854.66	8100.21	0.00	-5245.56
170+50	17050.00	50.00	85.97	61.00	0.00	158.64	106.74	0.00	3013.30	8206.95	0.00	-5193.66
171+00	17100.00	50.00	124.97	75.45	0.00	195.31	126.34	0.00	3208.61	8333.30	0.00	-5124.69
171+50	17150.00	50.00	67.71	90.11	0.00	178.41	153.30	0.00	3387.02	8486.59	0.00	-5099.57
172+00	17200.00	50.00	29.44	105.09	0.00	89.95	180.74	0.00	3476.97	8667.33	0.00	-5190.36
172+50	17250.00	50.00	13.13	108.92	0.00	39.42	198.16	0.00	3516.39	8865.49	0.00	-5349.10
173+00	17300.00	50.00	14.94	113.59	0.00	25.99	206.03	0.00	3542.38	9071.52	0.00	-5529.14
173+50	17350.00	50.00	11.28	128.72	0.00	24.28	224.36	0.00	3566.66	9295.88	0.00	-5729.22
174+00	17400.00	50.00	0.14	154.78	0.00	10.57	262.50	0.00	3577.23	9558.38	0.00	-5981.15
174+50	17450.00	50.00	0.00	183.72	0.00	0.13	313.43	0.00	3577.36	9871.81	0.00	-6294.44
175+00	17500.00	50.00	0.00	222.03	0.00	0.00	375.69	0.00	3577.36	10247.50	0.00	-6670.14
175+50	17550.00	50.00	0.00	269.09	0.00	0.00	454.74	0.00	3577.36	10702.24	0.00	-7124.88
176+00	17600.00	50.00	0.00	320.35	0.00	0.00	545.78	0.00	3577.36	11248.02	0.00	-7670.66
176+50	17650.00	50.00	0.00	368.01	0.00	0.00	637.37	0.00	3577.36	11885.39	0.00	-8308.03
177+00	17700.00	50.00	0.00	430.18	0.00	0.00	739.06	0.00	3577.36	12624.45	0.00	-9047.09
177+50	17750.00	50.00	0.00	448.14	0.00	0.00	813.26	0.00	3577.36	13437.71	0.00	-9860.35
178+00	17800.00	50.00	0.00	506.44	0.00	0.00	883.87	0.00	3577.36	14321.58	0.00	-10744.22
178+50	17850.00	50.00	0.00	565.64	0.00	0.00	992.67	0.00	3577.36	15314.25	0.00	-11736.89
179+00	17900.00	50.00	0.00	621.99	0.00	0.00	1099.66	0.00	3577.36	16413.91	0.00	-12836.55
179+50	17950.00	50.00	0.00	651.00	0.00	0.00	1178.69	0.00	3577.36	17592.60	0.00	-14015.24
180+00	18000.00	50.00	0.00	680.76	0.00	0.00	1233.11	0.00	3577.36	18825.71	0.00	-15248.35
180+50	18050.00	50.00	0.00	701.50	0.00	0.00	1279.87	0.00	3577.36	20105.58	0.00	-16528.22
181+00	18100.00	50.00	0.00	721.72	0.00	0.00	1317.80	0.00	3577.36	21423.38	0.00	-17846.02
181+50	18150.00	50.00	0.00	741.87	0.00	0.00	1355.18	0.00	3577.36	22778.56	0.00	-19201.19
182+00	18200.00	50.00	0.00	738.27	0.00	0.00	1370.50	0.00	3577.36	24149.06	0.00	-20571.69
182+50	18250.00	50.00	721.30	1077.76	0.00	667.87	1681.51	0.00	4245.23	25830.56	0.00	-21585.33
183+00	18300.00	50.00	632.26	1133.87	0.00	1253.30	2047.81	0.00	5498.53	27878.37	0.00	-22379.84
183+50	18350.00	50.00	589.95	1191.98	0.00	1131.68	2153.56	0.00	6630.20	30031.94	0.00	-23401.73
184+00	18400.00	50.00	550.71	1255.43	0.00	1056.17	2266.12	0.00	7686.37	32298.06	0.00	-24611.69
184+50	18450.00	50.00	522.27	1297.18	0.00	993.50	2363.53	0.00	8679.87	34661.58	0.00	-25981.71
185+00	18500.00	50.00	506.33	1345.48	0.00	952.41	2446.91	0.00	9632.28	37108.49	0.00	-27476.21
185+50	18550.00	50.00	529.58	1379.79	0.00	959.18	2523.40	0.00	10591.45	39631.89	0.00	-29040.44
186+00	18600.00	50.00	504.78	1434.47	0.00	957.74	2605.80	0.00	11549.19	42237.69	0.00	-30688.49
186+50	18650.00	50.00	531.23	1456.22	0.00	959.27	2676.56	0.00	12508.46	44914.25	0.00	-32405.79

(CONTINUED ON NEXT SHEET)

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Division 2 IH 94 NB

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Fill	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut	Cumulative Vol (CY) Fill	Cumulative Vol (CY) EBS	Mass Ordinate
187+00	18700.00	50.00	530.31	1487.73	0.00	982.91	2725.88	0.00	13491.37	47640.13	0.00	-34148.76
187+50	18750.00	50.00	512.35	1542.29	0.00	965.43	2805.57	0.00	14456.80	50445.70	0.00	-35988.91
188+00	18800.00	50.00	453.56	1610.31	0.00	894.36	2919.07	0.00	15351.16	53364.78	0.00	-38013.62
188+50	18850.00	50.00	368.98	1651.54	0.00	761.61	3020.23	0.00	16112.77	56385.01	0.00	-40272.24
189+00	18900.00	50.00	282.89	1584.41	0.00	603.58	2996.25	0.00	16716.35	59381.26	0.00	-42664.91
189+50	18950.00	50.00	233.19	1594.27	0.00	477.85	2943.22	0.00	17194.20	62324.48	0.00	-45130.28
190+00	19000.00	50.00	193.48	1591.97	0.00	395.06	2950.22	0.00	17589.27	65274.70	0.00	-47685.44
190+50 BK	19050.00	50.00	169.39	1565.74	0.00	335.99	2923.81	0.00	17925.26	68198.51	0.00	-50273.25
					Column totals	17925.26	68198.51	0.00				

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PROJECT NO:1030-20-87	HWY:IH 94	COUNTY: MILWAUKEE	EARTHWORK	SHEET:	E

Division 2 Ramp EC

STATION	Real Station	Distance	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)			Mass Ordinate
			Cut	Fill	EBS	Cut	Fill	EBS	Cut	Fill	EBS	
145+64 AH	14564.20	0.00	14.49	72.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
146+00	14600.00	35.80	13.61	72.86	0.00	18.63	96.57	0.00	18.63	96.57	0.00	-77.94
146+50	14650.00	50.00	12.15	82.14	0.00	23.85	143.52	0.00	42.48	240.09	0.00	-197.60
147+00	14700.00	50.00	8.72	107.12	0.00	19.32	175.24	0.00	61.81	415.33	0.00	-353.52
147+50	14750.00	50.00	5.94	140.23	0.00	13.57	229.03	0.00	75.38	644.35	0.00	-568.97
148+00	14800.00	50.00	3.15	183.78	0.00	8.42	300.01	0.00	83.80	944.36	0.00	-860.57
148+50	14850.00	50.00	114.06	200.16	0.00	108.53	355.50	0.00	192.32	1299.86	0.00	-1107.54
149+00	14900.00	50.00	120.01	237.06	0.00	216.73	404.83	0.00	409.06	1704.70	0.00	-1295.64
149+50	14950.00	50.00	105.21	277.58	0.00	208.54	476.51	0.00	617.59	2181.21	0.00	-1563.62
150+00	15000.00	50.00	124.03	301.23	0.00	212.26	535.93	0.00	829.85	2717.14	0.00	-1887.29
150+50	15050.00	50.00	179.69	302.56	0.00	281.22	559.06	0.00	1111.07	3276.21	0.00	-2165.13
151+00	15100.00	50.00	223.85	361.64	0.00	373.65	615.00	0.00	1484.72	3891.21	0.00	-2406.48
151+50	15150.00	50.00	215.33	367.59	0.00	406.65	675.21	0.00	1891.37	4566.42	0.00	-2675.05
152+00	15200.00	50.00	208.95	367.56	0.00	392.85	680.69	0.00	2284.22	5247.11	0.00	-2962.89
152+50	15250.00	50.00	195.84	380.26	0.00	374.81	692.43	0.00	2659.03	5939.54	0.00	-3280.51
153+00	15300.00	50.00	193.53	396.02	0.00	360.53	718.78	0.00	3019.56	6658.32	0.00	-3638.76
153+50	15350.00	50.00	183.47	385.84	0.00	349.07	723.94	0.00	3368.63	7382.26	0.00	-4013.63
154+00	15400.00	50.00	170.96	430.17	0.00	328.18	755.56	0.00	3696.81	8137.83	0.00	-4441.02
154+50	15450.00	50.00	80.03	507.14	0.00	232.40	867.88	0.00	3929.20	9005.71	0.00	-5076.50
155+00	15500.00	50.00	82.31	611.70	0.00	150.31	1035.96	0.00	4079.52	10041.67	0.00	-5962.15
155+50	15550.00	50.00	88.74	744.72	0.00	158.38	1255.94	0.00	4237.90	11297.61	0.00	-7059.72
156+00	15600.00	50.00	76.54	961.89	0.00	153.04	1580.19	0.00	4390.93	12877.81	0.00	-8486.87
156+50	15650.00	50.00	23.48	1125.84	0.00	92.61	1933.08	0.00	4483.55	14810.89	0.00	-10327.35
157+00	15700.00	50.00	52.58	1297.51	0.00	70.43	2243.84	0.00	4553.97	17054.73	0.00	-12500.76
157+50	15750.00	50.00	120.99	1447.75	0.00	160.71	2541.91	0.00	4714.68	19596.64	0.00	-14881.96
158+00	15800.00	50.00	202.88	1649.30	0.00	299.88	2867.64	0.00	5014.56	22464.28	0.00	-17449.72
158+50	15850.00	50.00	97.58	1832.65	0.00	278.20	3224.03	0.00	5292.77	25688.31	0.00	-20395.54
159+00	15900.00	50.00	0.00	2102.53	0.00	90.35	3643.69	0.00	5383.12	29331.99	0.00	-23948.87
159+50	15950.00	50.00	0.00	2491.00	0.00	0.00	4253.27	0.00	5383.12	33585.26	0.00	-28202.14
160+00	16000.00	50.00	0.00	1441.71	0.00	0.00	3641.40	0.00	5383.12	37226.66	0.00	-31843.54
160+50	16050.00	50.00	0.00	1293.31	0.00	0.00	2532.42	0.00	5383.12	39759.08	0.00	-34375.96
161+00	16100.00	50.00	0.00	1459.00	0.00	0.00	2548.43	0.00	5383.12	42307.51	0.00	-36924.39
161+31 BK	16131.40	31.40	0.00	768.34	0.00	0.00	1295.16	0.00	5383.12	43602.67	0.00	-38219.55
		Column totals				5383.12	43602.67	0.00				

PROJECT NO:1030-20-87	HWY:IH 94	COUNTY: MILWAUKEE	EARTHWORK	SHEET:	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090101_ew.ppt PLOT DATE : 7/11/2018 10:26:21 PM PLOT BY :MSCD1S PLOT NAME : 090101_ew15 PLOT SCALE : 1:1

Division 2 Ramp ED

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Fill	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut	Cumulative Vol (CY) Fill	Cumulative Vol (CY) EBS	Mass Ordinate
172+00 BK	17200.00	0.00	3647.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
172+50 AH	17250.00	50.00	3283.59	0.00	0.00	6417.70	0.00	0.00	6417.70	0.00	0.00	6417.70
173+00	17300.00	50.00	2940.37	0.00	0.00	5762.93	0.00	0.00	12180.63	0.00	0.00	12180.63
173+50	17350.00	50.00	2572.01	0.00	0.00	5104.06	0.00	0.00	17284.69	0.00	0.00	17284.69
174+00	17400.00	50.00	2279.36	0.00	0.00	4492.01	0.00	0.00	21776.69	0.00	0.00	21776.69
174+50	17450.00	50.00	1981.44	9.55	0.00	3945.19	8.84	0.00	25721.88	8.84	0.00	25713.04
175+00	17500.00	50.00	1707.35	18.75	0.00	3415.55	26.20	0.00	29137.43	35.05	0.00	29102.38
175+50	17550.00	50.00	1428.25	35.85	0.00	2903.33	50.56	0.00	32040.76	85.60	0.00	31955.16
176+00	17600.00	50.00	1204.48	63.99	0.00	2437.71	92.44	0.00	34478.47	178.05	0.00	34300.43
176+50	17650.00	50.00	1045.53	73.21	0.00	2083.34	127.04	0.00	36561.81	305.08	0.00	36256.73
177+00	17700.00	50.00	907.40	73.14	0.00	1808.27	135.51	0.00	38370.08	440.59	0.00	37929.49
177+50	17750.00	50.00	535.88	69.49	0.00	1336.37	132.06	0.00	39706.45	572.66	0.00	39133.80
178+00	17800.00	50.00	1146.56	52.27	0.00	1557.81	112.74	0.00	41264.27	685.40	0.00	40578.87
178+50	17850.00	50.00	1127.59	52.95	0.00	2105.69	97.43	0.00	43369.96	782.82	0.00	42587.14
179+00	17900.00	50.00	1126.12	72.62	0.00	2086.77	116.27	0.00	45456.73	899.09	0.00	44557.64
179+50	17950.00	50.00	1103.59	34.26	0.00	2064.55	98.96	0.00	47521.28	998.06	0.00	46523.22
180+00	18000.00	50.00	1011.95	65.97	0.00	1958.83	92.81	0.00	49480.11	1090.86	0.00	48389.25
180+50	18050.00	50.00	940.72	98.00	0.00	1808.03	151.82	0.00	51288.14	1242.69	0.00	50045.45
181+00	18100.00	50.00	865.07	144.08	0.00	1672.03	224.15	0.00	52960.17	1466.83	0.00	51493.33
181+50	18150.00	50.00	823.97	189.64	0.00	1563.93	309.00	0.00	54524.09	1775.83	0.00	52748.26
182+00	18200.00	50.00	781.99	234.08	0.00	1487.00	392.33	0.00	56011.09	2168.17	0.00	53842.93
182+33 BK	18232.90	32.90	770.27	266.78	0.00	945.73	305.15	0.00	56956.82	2473.32	0.00	54483.50
Column totals						56956.82	2473.32	0.00				

PROJECT NO:1030-20-87	HWY:IH 94	COUNTY: MILWAUKEE	EARTHWORK	SHEET:	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090101_ew.ppt PLOT DATE : 7/11/2018 10:26:21 PM PLOT BY :MSCD1S PLOT NAME : 090101_ew16 PLOT SCALE : 1:1

Division 2 ELM

STATION		Real Station	Distance	AREA (SF) Cut	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Fill	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut	Cumulative Vol (CY) Fill	Cumulative Vol (CY) EBS	Mass Ordinate
28+50	BK	2850.00	0.00	0.00	2264.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29+00	AH	2900.00	50.00	0.00	2514.33	0.00	0.00	4425.00	0.00	0.00	4425.00	0.00	-4425.00
29+50		2950.00	50.00	0.00	2715.68	0.00	0.00	4842.60	0.00	0.00	9267.60	0.00	-9267.60
30+00		3000.00	50.00	0.00	3205.34	0.00	0.00	5482.43	0.00	0.00	14750.03	0.00	-14750.03
30+02	BK	3002.25	2.25	0.00	3233.58	0.00	0.00	268.29	0.00	0.00	15018.32	0.00	-15018.32
						Column totals	0.00	15018.32	0.00				

(CONTINUED ON NEXT SHEET)

PROJECT NO:1030-20-87	HWY:IH 94	COUNTY: MILWAUKEE	EARTHWORK	SHEET:	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090101_ew.ppt PLOT DATE : 7/11/2018 10:26:21 PM PLOT BY :MSCD1S PLOT NAME : 090101_ew17 PLOT SCALE : 1:1

Division 2 27th Street

STATION		Real Station	Distance	AREA (SF) Cut	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Fill	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut	Cumulative Vol (CY) Fill	Cumulative Vol (CY) EBS	Mass Ordinate
804+00	AH	80400.00	0.00	9.36	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
804+50		80450.00	50.00	11.39	0.04	0.00	19.21	0.09	0.00	19.21	0.09	0.00	19.12
805+00		80500.00	50.00	12.37	0.00	0.00	22.00	0.04	0.00	41.21	0.13	0.00	41.08
805+50		80550.00	50.00	11.73	0.08	0.00	22.31	0.07	0.00	63.53	0.20	0.00	63.32
806+00		80600.00	50.00	29.43	0.02	0.00	38.11	0.09	0.00	101.64	0.30	0.00	101.34
806+50		80650.00	50.00	30.69	0.00	0.00	55.67	0.02	0.00	157.31	0.31	0.00	156.99
807+00		80700.00	50.00	35.37	1.35	0.00	61.17	1.25	0.00	218.47	1.56	0.00	216.91
807+50		80750.00	50.00	47.40	1.30	0.00	76.64	2.45	0.00	295.11	4.02	0.00	291.09
808+00		80800.00	50.00	54.88	1.10	0.00	94.70	2.22	0.00	389.81	6.24	0.00	383.57
808+50		80850.00	50.00	50.38	1.51	0.00	97.46	2.42	0.00	487.28	8.66	0.00	478.62
809+00		80900.00	50.00	74.49	8.50	0.00	115.62	9.27	0.00	602.90	17.93	0.00	584.97
809+50		80950.00	50.00	56.36	33.31	0.00	121.16	38.71	0.00	724.06	56.64	0.00	667.42
810+00		81000.00	50.00	0.00	0.00	0.00	52.19	30.84	0.00	776.24	87.48	0.00	688.76
810+50		81050.00	50.00	70.98	10.82	0.00	65.72	10.02	0.00	841.96	97.50	0.00	744.46
811+00		81100.00	50.00	128.77	26.86	0.00	184.95	34.89	0.00	1026.92	132.39	0.00	894.53
811+50		81150.00	50.00	75.69	7.77	0.00	189.31	32.06	0.00	1216.23	164.45	0.00	1051.78
812+00		81200.00	50.00	42.56	6.76	0.00	109.49	13.45	0.00	1325.72	177.91	0.00	1147.81
812+50		81250.00	50.00	16.56	8.31	0.00	54.74	13.95	0.00	1380.46	191.86	0.00	1188.60
813+00		81300.00	50.00	13.91	12.84	0.00	28.21	19.58	0.00	1408.68	211.44	0.00	1197.23
813+50		81350.00	50.00	14.60	11.35	0.00	26.40	22.40	0.00	1435.07	233.84	0.00	1201.23
814+00		81400.00	50.00	14.72	11.08	0.00	27.15	20.77	0.00	1462.22	254.61	0.00	1207.61
814+50		81450.00	50.00	14.64	10.29	0.00	27.19	19.79	0.00	1489.41	274.40	0.00	1215.01
815+00		81500.00	50.00	13.49	9.01	0.00	26.05	17.87	0.00	1515.45	292.27	0.00	1223.19
815+50		81550.00	50.00	11.61	5.34	0.00	23.24	13.29	0.00	1538.69	305.56	0.00	1233.14
815+91	BK	81590.90	40.90	9.28	0.90	0.00	15.82	4.73	0.00	1554.52	310.28	0.00	1243.23
						Column totals	1554.52	310.28	0.00				

PROJECT NO:1030-20-87	HWY:IH 94	COUNTY: MILWAUKEE	EARTHWORK	SHEET:	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090101_ew.ppt PLOT DATE : 7/11/2018 10:26:21 PM PLOT BY :MSCD1S PLOT NAME : 090101_ew18 PLOT SCALE : 1:1

Division 2 Temporary Widening

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Fill	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut	Cumulative Vol (CY) Fill	Cumulative Vol (CY) EBS	Mass Ordinate
149+38 AH	14938.00	0.00	0.00	13.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
149+50	14950.00	12.00	0.00	15.57	0.00	0.00	6.54	0.00	0.00	6.54	0.00	-6.54
150+00	15000.00	50.00	0.00	29.88	0.00	0.00	42.08	0.00	0.00	48.62	0.00	-48.62
150+50	15050.00	50.00	0.00	25.20	0.00	0.00	51.00	0.00	0.00	99.62	0.00	-99.62
151+00	15100.00	50.00	0.00	39.82	0.00	0.00	60.20	0.00	0.00	159.83	0.00	-159.83
151+50	15150.00	50.00	0.00	58.35	0.00	0.00	90.90	0.00	0.00	250.73	0.00	-250.73
152+00	15200.00	50.00	0.00	89.53	0.00	0.00	136.93	0.00	0.00	387.65	0.00	-387.65
152+50	15250.00	50.00	0.00	116.28	0.00	0.00	190.56	0.00	0.00	578.22	0.00	-578.22
153+00	15300.00	50.00	0.00	119.57	0.00	0.00	218.38	0.00	0.00	796.60	0.00	-796.60
153+50	15350.00	50.00	0.00	22.51	0.00	0.00	131.56	0.00	0.00	928.15	0.00	-928.15
154+00	15400.00	50.00	0.00	23.28	0.00	0.00	42.40	0.00	0.00	970.55	0.00	-970.55
154+50	15450.00	50.00	0.00	20.17	0.00	0.00	40.23	0.00	0.00	1010.78	0.00	-1010.78
155+00	15500.00	50.00	0.00	76.43	0.00	0.00	89.44	0.00	0.00	1100.23	0.00	-1100.23
155+50	15550.00	50.00	0.00	73.21	0.00	0.00	138.56	0.00	0.00	1238.78	0.00	-1238.78
156+00	15600.00	50.00	0.00	71.49	0.00	0.00	133.98	0.00	0.00	1372.76	0.00	-1372.76
156+50	15650.00	50.00	0.00	71.89	0.00	0.00	132.76	0.00	0.00	1505.52	0.00	-1505.52
157+00	15700.00	50.00	0.00	73.21	0.00	0.00	134.35	0.00	0.00	1639.87	0.00	-1639.87
157+50	15750.00	50.00	0.00	75.49	0.00	0.00	137.69	0.00	0.00	1777.56	0.00	-1777.56
158+00	15800.00	50.00	0.00	77.14	0.00	0.00	141.32	0.00	0.00	1918.88	0.00	-1918.88
158+50	15850.00	50.00	0.00	80.57	0.00	0.00	146.03	0.00	0.00	2064.91	0.00	-2064.91
159+00	15900.00	50.00	0.00	78.89	0.00	0.00	147.65	0.00	0.00	2212.56	0.00	-2212.56
159+50	15950.00	50.00	0.00	74.14	0.00	0.00	141.69	0.00	0.00	2354.25	0.00	-2354.25
160+00	16000.00	50.00	0.00	68.26	0.00	0.00	131.85	0.00	0.00	2486.10	0.00	-2486.10
160+50	16050.00	50.00	0.00	63.16	0.00	0.00	121.69	0.00	0.00	2607.79	0.00	-2607.79
161+00	16100.00	50.00	0.00	1533.32	0.00	0.00	1478.22	0.00	0.00	4086.01	0.00	-4086.01
161+50	16150.00	50.00	0.00	1093.31	0.00	0.00	2432.06	0.00	0.00	6518.08	0.00	-6518.08
162+00	16200.00	50.00	0.00	389.78	0.00	0.00	1373.23	0.00	0.00	7891.31	0.00	-7891.31
162+50	16250.00	50.00	0.00	7.83	0.00	0.00	368.16	0.00	0.00	8259.47	0.00	-8259.47
163+00	16300.00	50.00	0.00	6.88	0.00	0.00	13.62	0.00	0.00	8273.09	0.00	-8273.09
163+50	16350.00	50.00	0.00	6.45	0.00	0.00	12.34	0.00	0.00	8285.43	0.00	-8285.43
164+00	16400.00	50.00	0.00	4.73	0.00	0.00	10.35	0.00	0.00	8295.78	0.00	-8295.78
164+50	16450.00	50.00	5.78	31.27	0.00	5.35	33.33	0.00	5.35	8329.11	0.00	-8323.76
165+00	16500.00	50.00	13.73	26.57	0.00	18.06	53.56	0.00	23.42	8382.67	0.00	-8359.25
165+50	16550.00	50.00	20.40	22.66	0.00	31.60	45.58	0.00	55.02	8428.25	0.00	-8373.23
166+00	16600.00	50.00	30.49	16.34	0.00	47.12	36.11	0.00	102.14	8464.36	0.00	-8362.23
166+50	16650.00	50.00	40.24	18.10	0.00	65.49	31.89	0.00	167.63	8496.25	0.00	-8328.62
167+00	16700.00	50.00	49.04	15.42	0.00	82.67	31.04	0.00	250.30	8527.29	0.00	-8276.99
167+50	16750.00	50.00	64.95	15.56	0.00	105.55	28.69	0.00	355.84	8555.98	0.00	-8200.13
168+00	16800.00	50.00	84.84	11.94	0.00	138.69	25.46	0.00	494.54	8581.44	0.00	-8086.90
168+50	16850.00	50.00	113.03	13.51	0.00	183.21	23.56	0.00	677.75	8605.00	0.00	-7927.25
169+00	16900.00	50.00	144.24	14.58	0.00	238.21	26.01	0.00	915.96	8631.01	0.00	-7716.05

(CONTINUED ON NEXT SHEET)

PROJECT NO:1030-20-87	HWY:IH 94	COUNTY: MILWAUKEE	EARTHWORK	SHEET:	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090101_ew.ppt PLOT DATE : 7/11/2018 10:26:21 PM PLOT BY :MSCD1S PLOT NAME : 090101_ew19 PLOT SCALE : 1:1

(CONTINUED)

Division 2 Temporary Widening

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Fill	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut	Cumulative Vol (CY) Fill	Cumulative Vol (CY) EBS	Mass Ordinate
169+50	16950.00	50.00	236.40	21.17	0.00	352.44	33.10	0.00	1268.41	8664.11	0.00	-7398.71
170+00	17000.00	50.00	184.45	28.89	0.00	389.68	46.35	0.00	1658.08	8710.47	0.00	-7058.38
170+50	17050.00	50.00	129.93	35.09	0.00	291.09	59.24	0.00	1949.18	8769.71	0.00	-6830.53
171+00	17100.00	50.00	92.73	41.07	0.00	206.17	70.52	0.00	2155.34	8840.23	0.00	-6699.88
171+50	17150.00	50.00	86.04	52.38	0.00	165.53	86.53	0.00	2320.87	8926.75	0.00	-6626.88
172+00	17200.00	50.00	58.68	57.29	0.00	134.00	101.55	0.00	2454.87	9028.30	0.00	-6601.43
172+50	17250.00	50.00	31.38	57.52	0.00	83.39	106.31	0.00	2538.26	9134.60	0.00	-6632.35
173+00	17300.00	50.00	14.11	44.28	0.00	42.12	94.26	0.00	2580.38	9228.86	0.00	-6693.48
173+50	17350.00	50.00	5.19	56.81	0.00	17.87	93.60	0.00	2598.25	9322.47	0.00	-6779.22
174+00	17400.00	50.00	0.37	78.87	0.00	5.15	125.63	0.00	2603.40	9448.10	0.00	-6910.70
174+50	17450.00	50.00	0.00	86.80	0.00	0.34	153.40	0.00	2603.74	9601.49	0.00	-7075.75
175+00	17500.00	50.00	0.00	102.52	0.00	0.00	175.30	0.00	2603.74	9776.79	0.00	-7264.05
175+50	17550.00	50.00	0.00	110.62	0.00	0.00	197.35	0.00	2603.74	9974.14	0.00	-7475.40
176+00	17600.00	50.00	0.00	177.05	0.00	0.00	266.36	0.00	2603.74	10240.50	0.00	-7756.76
176+50	17650.00	50.00	0.00	175.32	0.00	0.00	326.27	0.00	2603.74	10566.77	0.00	-8099.03
177+00	17700.00	50.00	0.00	156.95	0.00	0.00	307.66	0.00	2603.74	10874.43	0.00	-8423.69
177+50	17750.00	50.00	0.00	133.82	0.00	0.00	269.23	0.00	2603.74	11143.66	0.00	-8710.92
178+00	17800.00	50.00	0.00	119.38	0.00	0.00	234.44	0.00	2603.74	11378.10	0.00	-8964.36
178+50	17850.00	50.00	0.00	65.60	0.00	0.00	171.28	0.00	2603.74	11549.38	0.00	-9155.64
179+00	17900.00	50.00	0.00	68.75	0.00	0.00	124.40	0.00	2603.74	11673.78	0.00	-9301.04
179+22 BK	17922.00	22.00	0.00	65.24	0.00	0.00	54.59	0.00	2603.74	11728.37	0.00	-9377.63
					Column totals	2603.74	11728.37	0.00				

PROJECT NO:1030-20-87	HWY:IH 94	COUNTY: MILWAUKEE	EARTHWORK	SHEET:	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090101_ew.ppt PLOT DATE : 7/11/2018 10:26:21 PM PLOT BY :MSCD1S PLOT NAME : 090101_ew20 PLOT SCALE : 1:1

Division 4 IH 94 NB

STATION		Real Station	Distance	AREA (SF) Cut	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Fill	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut	Cumulative Vol (CY) Fill	Cumulative Vol (CY) EBS	Mass Ordinate
131+35	AH	13134.50	0.00	43.48	66.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
131+50		13150.00	15.50	45.79	49.39	0.00	25.62	33.25	0.00	25.62	33.25	0.00	-7.63
132+00		13200.00	50.00	38.05	37.23	0.00	77.63	80.20	0.00	103.25	113.46	0.00	-10.20
132+50		13250.00	50.00	76.17	15.12	0.00	105.76	48.47	0.00	209.01	161.93	0.00	47.08
132+54	BK	13253.60	3.60	33.23	17.61	0.00	7.29	2.18	0.00	216.31	164.11	0.00	52.19
136+40	AH	13640.00	0.00	22.61	131.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
136+50		13650.00	10.00	24.02	134.53	0.00	8.64	49.21	0.00	8.64	49.21	0.00	-40.57
137+00		13700.00	50.00	27.96	147.89	0.00	48.13	261.50	0.00	56.76	310.70	0.00	-253.94
137+50		13750.00	50.00	34.13	171.84	0.00	57.49	296.04	0.00	114.26	606.75	0.00	-492.49
138+00		13800.00	50.00	42.74	190.76	0.00	71.18	335.73	0.00	185.43	942.48	0.00	-757.05
138+50		13850.00	50.00	48.83	213.16	0.00	84.79	373.99	0.00	270.22	1316.47	0.00	-1046.25
139+00		13900.00	50.00	57.52	225.25	0.00	98.47	405.93	0.00	368.69	1722.40	0.00	-1353.71
139+50		13950.00	50.00	72.85	218.54	0.00	120.71	410.92	0.00	489.40	2133.31	0.00	-1643.91
140+00		14000.00	50.00	91.89	209.06	0.00	152.54	395.93	0.00	641.94	2529.24	0.00	-1887.30
140+50		14050.00	50.00	134.06	213.49	0.00	209.21	391.25	0.00	851.15	2920.49	0.00	-2069.34
141+00		14100.00	50.00	209.50	19.19	0.00	318.11	215.44	0.00	1169.26	3135.94	0.00	-1966.67
141+50		14150.00	50.00	194.42	296.13	0.00	374.00	291.96	0.00	1543.26	3427.90	0.00	-1884.63
142+00		14200.00	50.00	225.33	343.05	0.00	388.66	591.83	0.00	1931.92	4019.73	0.00	-2087.81
142+50		14250.00	50.00	626.42	349.18	0.00	788.66	640.95	0.00	2720.58	4660.69	0.00	-1940.11
143+00		14300.00	50.00	514.10	316.30	0.00	1056.04	616.19	0.00	3776.62	5276.87	0.00	-1500.25
143+50		14350.00	50.00	487.04	330.63	0.00	926.98	599.01	0.00	4703.60	5875.88	0.00	-1172.28
144+00		14400.00	50.00	450.15	337.04	0.00	867.77	618.21	0.00	5571.37	6494.09	0.00	-922.73
144+50		14450.00	50.00	416.71	355.28	0.00	802.65	641.04	0.00	6374.01	7135.13	0.00	-761.11
145+00		14500.00	50.00	367.30	380.97	0.00	725.94	681.71	0.00	7099.95	7816.84	0.00	-716.89
145+50		14550.00	50.00	309.76	391.14	0.00	626.91	714.92	0.00	7726.86	8531.76	0.00	-804.90
146+00		14600.00	50.00	245.97	452.81	0.00	514.56	781.44	0.00	8241.42	9313.19	0.00	-1071.77
146+50	BK	14650.00	50.00	174.89	463.80	0.00	389.69	848.71	0.00	8631.11	10161.91	0.00	-1530.80
191+00	AH	19100.00	0.00	0.00	821.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
191+50		19150.00	50.00	0.00	729.85	0.00	0.00	1435.98	0.00	0.00	1435.98	0.00	-1435.98
192+00		19200.00	50.00	0.02	678.82	0.00	0.02	1304.32	0.00	0.02	2740.31	0.00	-2740.29
192+50		19250.00	50.00	0.00	504.96	0.00	0.02	1096.09	0.00	0.04	3836.39	0.00	-3836.36
193+00		19300.00	50.00	2.83	372.50	0.00	2.62	812.45	0.00	2.66	4648.85	0.00	-4646.19
193+50		19350.00	50.00	21.97	277.85	0.00	22.96	602.17	0.00	25.62	5251.02	0.00	-5225.40
194+00		19400.00	50.00	37.58	218.92	0.00	55.14	459.97	0.00	80.76	5710.99	0.00	-5630.23
194+07	BK	19406.80	6.80	38.16	101.17	0.00	9.54	40.31	0.00	90.30	5751.29	0.00	-5661.00

(CONTINUED ON NEXT SHEET)

PROJECT NO:1030-20-87	HWY:IH 94	COUNTY: MILWAUKEE	EARTHWORK	SHEET:	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090101_ew.ppt PLOT DATE : 7/11/2018 10:26:21 PM PLOT BY :MSCD1S PLOT NAME : 090101_ew21 PLOT SCALE : 1:1

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Division 4 IH 94 NB

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Fill	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut	Cumulative Vol (CY) Fill	Cumulative Vol (CY) EBS	Mass Ordinate
196+19 AH	19618.50	0.00	54.12	19.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-7139.60
196+50	19650.00	31.50	56.78	100.56	0.00	64.69	69.77	0.00	64.69	69.77	0.00	-7144.68
197+00	19700.00	50.00	124.72	170.28	0.00	168.06	250.78	0.00	232.75	320.54	0.00	-7227.40
197+50	19750.00	50.00	50.18	165.10	0.00	161.94	310.54	0.00	394.69	631.08	0.00	-7375.99
198+00	19800.00	50.00	49.29	162.77	0.00	92.10	303.58	0.00	486.79	934.66	0.00	-7587.47
198+50	19850.00	50.00	49.17	165.36	0.00	91.17	303.82	0.00	577.96	1238.49	0.00	-7800.13
199+00	19900.00	50.00	52.75	167.83	0.00	94.37	308.51	0.00	672.33	1547.00	0.00	-8014.27
199+50	19950.00	50.00	61.19	202.37	0.00	105.50	342.78	0.00	777.83	1889.78	0.00	-8251.55
200+00	20000.00	50.00	83.35	226.83	0.00	133.83	397.41	0.00	911.66	2287.18	0.00	-8515.12
200+50	20050.00	50.00	0.00	127.75	0.00	77.18	328.31	0.00	988.84	2615.50	0.00	-8766.26
201+00	20100.00	50.00	109.03	195.26	0.00	100.95	299.08	0.00	1089.79	2914.58	0.00	-8964.39
201+50	20150.00	50.00	126.74	239.89	0.00	218.31	402.92	0.00	1308.10	3317.50	0.00	-9149.00
202+00	20200.00	50.00	132.98	236.15	0.00	240.48	440.78	0.00	1548.58	3758.28	0.00	-9349.30
202+50	20250.00	50.00	135.55	270.74	0.00	248.64	469.34	0.00	1797.22	4227.62	0.00	-9570.00
203+00	20300.00	50.00	139.82	276.63	0.00	254.97	506.82	0.00	2052.19	4734.44	0.00	-9821.85
203+50	20350.00	50.00	145.10	1.71	0.00	263.81	257.72	0.00	2316.01	4992.16	0.00	-9815.76
204+00	20400.00	50.00	145.58	1.46	0.00	269.15	2.94	0.00	2585.15	4995.10	0.00	-9549.55
204+50	20450.00	50.00	136.14	5.17	0.00	260.85	6.14	0.00	2846.01	5001.24	0.00	-9294.83
205+00	20500.00	50.00	136.45	9.94	0.00	252.40	13.99	0.00	3098.40	5015.23	0.00	-9056.43
205+50	20550.00	50.00	141.09	10.49	0.00	256.98	18.92	0.00	3355.39	5034.15	0.00	-8818.36
206+00	20600.00	50.00	140.30	10.79	0.00	260.55	19.70	0.00	3615.93	5053.85	0.00	-8577.52
206+50	20650.00	50.00	139.13	9.31	0.00	258.73	18.61	0.00	3874.66	5072.46	0.00	-8337.40
207+00	20700.00	50.00	139.72	8.67	0.00	258.19	16.65	0.00	4132.86	5089.11	0.00	-8095.85
207+50	20750.00	50.00	139.41	7.77	0.00	258.45	15.22	0.00	4391.31	5104.33	0.00	-7852.62
208+00	20800.00	50.00	137.31	8.53	0.00	256.22	15.09	0.00	4647.53	5119.42	0.00	-7611.49
208+50	20850.00	50.00	132.61	12.42	0.00	249.93	19.40	0.00	4897.46	5138.82	0.00	-7380.96
209+00	20900.00	50.00	123.71	3.17	0.00	237.33	14.44	0.00	5134.79	5153.26	0.00	-7158.07
209+50	20950.00	50.00	127.94	2.78	0.00	233.01	5.51	0.00	5367.80	5158.77	0.00	-6930.57
210+00	21000.00	50.00	126.98	2.95	0.00	236.04	5.31	0.00	5603.84	5164.07	0.00	-6699.83
210+50	21050.00	50.00	119.70	3.47	0.00	228.41	5.94	0.00	5832.25	5170.02	0.00	-6477.37
211+00	21100.00	50.00	122.04	3.57	0.00	223.83	6.52	0.00	6056.08	5176.54	0.00	-6260.06
211+50	21150.00	50.00	129.98	2.86	0.00	233.35	5.95	0.00	6289.43	5182.49	0.00	-6032.66
212+00	21200.00	50.00	131.98	2.93	0.00	242.56	5.36	0.00	6531.99	5187.85	0.00	-5795.46
212+50	21250.00	50.00	129.43	2.99	0.00	242.05	5.48	0.00	6774.03	5193.33	0.00	-5558.90
213+00	21300.00	50.00	131.31	3.13	0.00	241.43	5.67	0.00	7015.46	5199.00	0.00	-5323.14
213+50	21350.00	50.00	135.16	2.77	0.00	246.73	5.46	0.00	7262.19	5204.46	0.00	-5081.87
214+00	21400.00	50.00	136.21	2.73	0.00	251.27	5.09	0.00	7513.46	5209.55	0.00	-4835.69
214+50	21450.00	50.00	136.39	2.78	0.00	252.41	5.10	0.00	7765.87	5214.66	0.00	-4588.39
215+00	21500.00	50.00	134.49	2.95	0.00	250.81	5.31	0.00	8016.68	5219.96	0.00	-4342.88

(CONTINUED ON NEXT SHEET)

PROJECT NO:1030-20-87	HWY:IH 94	COUNTY: MILWAUKEE	EARTHWORK	SHEET:	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090101_ew.ppt PLOT DATE : 7/11/2018 10:26:21 PM PLOT BY :MSCD1S PLOT NAME : 090101_ew22 PLOT SCALE : 1:1

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Division 4 IH 94 NB

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Fill	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut	Cumulative Vol (CY) Fill	Cumulative Vol (CY) EBS	Mass Ordinate
215+50	21550.00	50.00	131.59	2.96	0.00	246.37	5.47	0.00	8263.05	5225.43	0.00	-4101.98
216+00	21600.00	50.00	132.58	3.02	0.00	244.60	5.54	0.00	8507.65	5230.97	0.00	-3862.92
216+50	21650.00	50.00	128.21	3.49	0.00	241.47	6.03	0.00	8749.13	5237.00	0.00	-3627.47
217+00	21700.00	50.00	125.60	3.71	0.00	235.01	6.67	0.00	8984.14	5243.66	0.00	-3399.13
217+50	21750.00	50.00	130.26	3.86	0.00	236.91	7.01	0.00	9221.04	5250.67	0.00	-3169.23
218+00	21800.00	50.00	132.10	3.47	0.00	242.93	6.79	0.00	9463.97	5257.46	0.00	-2933.09
218+50	21850.00	50.00	133.91	3.73	0.00	246.31	6.67	0.00	9710.28	5264.13	0.00	-2693.45
219+00	21900.00	50.00	137.24	3.87	0.00	251.06	7.04	0.00	9961.34	5271.16	0.00	-2449.43
219+50	21950.00	50.00	124.98	4.87	0.00	242.80	8.09	0.00	10204.14	5279.26	0.00	-2214.72
220+00 BK	22000.00	50.00	121.92	5.28	0.00	228.61	9.40	0.00	10432.75	5288.66	0.00	-1995.51
					Column totals	19370.46	21365.97	0.00				

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PROJECT NO:1030-20-87	HWY:IH 94	COUNTY: MILWAUKEE	EARTHWORK	SHEET:	E

Division 4 Ramp EA

STATION		Real Station	Distance	AREA (SF) Cut	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Fill	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut	Cumulative Vol (CY) Fill	Cumulative Vol (CY) EBS	Mass Ordinate
166+10	AH	16610.33	0.00	88.19	1609.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
166+50		16650.00	39.67	329.27	1534.04	0.00	306.68	2309.63	0.00	306.68	2309.63	0.00	-2002.95
167+00		16700.00	50.00	986.64	1439.76	0.00	1218.44	2753.52	0.00	1525.11	5063.15	0.00	-3538.04
167+50		16750.00	50.00	818.62	1347.54	0.00	1671.54	2580.83	0.00	3196.65	7643.98	0.00	-4447.33
168+00		16800.00	50.00	676.23	1132.29	0.00	1384.12	2296.14	0.00	4580.77	9940.12	0.00	-5359.35
168+50		16850.00	50.00	751.00	1003.17	0.00	1321.51	1977.28	0.00	5902.28	11917.40	0.00	-6015.12
169+00		16900.00	50.00	840.06	1021.84	0.00	1473.20	1875.01	0.00	7375.48	13792.41	0.00	-6416.93
169+50		16950.00	50.00	1168.84	0.00	0.00	1860.09	946.15	0.00	9235.58	14738.56	0.00	-5502.98
170+00		17000.00	50.00	1479.94	0.00	0.00	2452.57	0.00	0.00	11688.15	14738.56	0.00	-3050.41
170+50		17050.00	50.00	1446.36	0.00	0.00	2709.54	0.00	0.00	14397.69	14738.56	0.00	-340.87
171+00		17100.00	50.00	1424.67	0.00	0.00	2658.36	0.00	0.00	17056.05	14738.56	0.00	2317.49
171+50		17150.00	50.00	1407.14	0.00	0.00	2622.05	0.00	0.00	19678.10	14738.56	0.00	4939.54
172+00		17200.00	50.00	1308.88	0.00	0.00	2514.83	0.00	0.00	22192.93	14738.56	0.00	7454.37
172+50		17250.00	50.00	1141.16	0.00	0.00	2268.56	0.00	0.00	24461.48	14738.56	0.00	9722.93
173+00		17300.00	50.00	1000.11	0.00	0.00	1982.66	0.00	0.00	26444.14	14738.56	0.00	11705.58
173+50		17350.00	50.00	865.03	0.00	0.00	1726.98	0.00	0.00	28171.12	14738.56	0.00	13432.57
174+00		17400.00	50.00	751.25	0.00	0.00	1496.56	0.00	0.00	29667.68	14738.56	0.00	14929.12
174+50		17450.00	50.00	707.13	0.00	0.00	1350.35	0.00	0.00	31018.03	14738.56	0.00	16279.47
175+00		17500.00	50.00	677.96	0.00	0.00	1282.49	0.00	0.00	32300.52	14738.56	0.00	17561.96
175+50		17550.00	50.00	446.52	0.00	0.00	1041.19	0.00	0.00	33341.71	14738.56	0.00	18603.15
176+00		17600.00	50.00	209.86	0.00	0.00	607.76	0.00	0.00	33949.47	14738.56	0.00	19210.91
176+50		17650.00	50.00	131.37	6.47	0.00	315.95	5.99	0.00	34265.42	14744.55	0.00	19520.87
177+00		17700.00	50.00	58.48	50.98	0.00	175.79	53.19	0.00	34441.21	14797.74	0.00	19643.46
177+50		17750.00	50.00	89.44	34.54	0.00	136.96	79.19	0.00	34578.17	14876.93	0.00	19701.24
178+00		17800.00	50.00	185.73	7.03	0.00	254.79	38.49	0.00	34832.96	14915.42	0.00	19917.54
178+50		17850.00	50.00	178.77	11.86	0.00	337.50	17.49	0.00	35170.46	14932.91	0.00	20237.55
179+00		17900.00	50.00	250.50	20.47	0.00	397.47	29.94	0.00	35567.93	14962.84	0.00	20605.08
179+50		17950.00	50.00	179.31	49.76	0.00	397.97	65.03	0.00	35965.90	15027.87	0.00	20938.03
179+84	BK	17984.30	34.30	175.24	70.20	0.00	225.20	76.20	0.00	36191.11	15104.07	0.00	21087.04
						Column totals	36191.11	15104.07	0.00				

PROJECT NO:1030-20-87	HWY:IH 94	COUNTY: MILWAUKEE	EARTHWORK	SHEET:	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090101_ew.ppt PLOT DATE : 7/11/2018 10:26:21 PM PLOT BY :MSCD1S PLOT NAME : 090101_ew24 PLOT SCALE : 1:1

Division 4 Ramp EB

STATION		Real Station	Distance	AREA (SF) Cut	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Fill	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut	Cumulative Vol (CY) Fill	Cumulative Vol (CY) EBS	Mass Ordinate
149+13	AH	14912.60	0.00	3.89	243.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
149+50		14950.00	37.40	17.17	242.43	0.00	14.59	336.76	0.00	14.59	336.76	0.00	-322.17
150+00		15000.00	50.00	9.03	230.37	0.00	24.26	437.78	0.00	38.85	774.54	0.00	-735.69
150+50		15050.00	50.00	21.37	209.55	0.00	28.15	407.33	0.00	66.99	1181.87	0.00	-1114.88
151+00		15100.00	50.00	48.74	206.69	0.00	64.92	385.41	0.00	131.91	1567.28	0.00	-1435.37
151+50		15150.00	50.00	135.13	135.69	0.00	170.25	317.02	0.00	302.16	1884.30	0.00	-1582.14
152+00		15200.00	50.00	0.00	32.44	0.00	125.12	155.68	0.00	427.28	2039.97	0.00	-1612.69
152+50		15250.00	50.00	78.13	0.00	0.00	72.34	30.04	0.00	499.62	2070.01	0.00	-1570.39
153+00		15300.00	50.00	246.13	0.00	0.00	300.24	0.00	0.00	799.86	2070.01	0.00	-1270.15
153+50		15350.00	50.00	491.86	0.00	0.00	683.32	0.00	0.00	1483.19	2070.01	0.00	-586.82
154+00		15400.00	50.00	734.63	0.00	0.00	1135.64	0.00	0.00	2618.83	2070.01	0.00	548.82
154+50		15450.00	50.00	928.66	0.00	0.00	1540.08	0.00	0.00	4158.91	2070.01	0.00	2088.90
155+00		15500.00	50.00	1000.77	0.00	0.00	1786.51	0.00	0.00	5945.42	2070.01	0.00	3875.41
155+50		15550.00	50.00	990.51	0.00	0.00	1843.78	0.00	0.00	7789.20	2070.01	0.00	5719.19
156+00		15600.00	50.00	882.45	0.00	0.00	1734.22	0.00	0.00	9523.42	2070.01	0.00	7453.41
156+50		15650.00	50.00	807.85	40.94	0.00	1565.09	37.91	0.00	11088.51	2107.92	0.00	8980.60
157+00		15700.00	50.00	888.65	643.18	0.00	1570.83	633.44	0.00	12659.35	2741.36	0.00	9917.98
157+50		15750.00	50.00	608.95	932.93	0.00	1386.67	1459.36	0.00	14046.01	4200.72	0.00	9845.29
158+00		15800.00	50.00	584.65	961.04	0.00	1105.19	1753.68	0.00	15151.20	5954.40	0.00	9196.80
158+50		15850.00	50.00	643.52	1021.86	0.00	1137.19	1836.02	0.00	16288.39	7790.42	0.00	8497.97
159+00		15900.00	50.00	836.34	1071.90	0.00	1370.24	1938.67	0.00	17658.63	9729.08	0.00	7929.55
159+50		15950.00	50.00	724.51	1117.78	0.00	1445.23	2027.48	0.00	19103.86	11756.56	0.00	7347.30
160+00		16000.00	50.00	1159.47	1224.36	0.00	1744.43	2168.65	0.00	20848.29	13925.21	0.00	6923.08
160+50		16050.00	50.00	933.61	1221.52	0.00	1938.04	2264.70	0.00	22786.33	16189.92	0.00	6596.41
161+00		16100.00	50.00	797.14	1159.34	0.00	1602.55	2204.50	0.00	24388.87	18394.42	0.00	5994.46
161+50		16150.00	50.00	635.99	1019.51	0.00	1326.97	2017.45	0.00	25715.85	20411.87	0.00	5303.97
162+00		16200.00	50.00	557.55	1000.33	0.00	1105.13	1870.22	0.00	26820.97	22282.09	0.00	4538.88
162+50		16250.00	50.00	570.54	1043.03	0.00	1044.53	1892.00	0.00	27865.50	24174.09	0.00	3691.41
163+00		16300.00	50.00	483.50	1116.12	0.00	975.96	1999.21	0.00	28841.47	26173.31	0.00	2668.16
163+50		16350.00	50.00	0.00	964.51	0.00	447.69	1926.51	0.00	29289.15	28099.81	0.00	1189.34
164+00		16400.00	50.00	0.00	1219.32	0.00	0.00	2022.06	0.00	29289.15	30121.88	0.00	-832.73
164+50		16450.00	50.00	0.00	1494.56	0.00	0.00	2512.85	0.00	29289.15	32634.73	0.00	-3345.58
165+00		16500.00	50.00	0.00	3029.91	0.00	0.00	4189.32	0.00	29289.15	36824.06	0.00	-7534.90
165+50	BK	16550.00	50.00	0.00	2202.72	0.00	0.00	4845.03	0.00	29289.15	41669.08	0.00	-12379.93
						Column totals	29289.15	41669.08	0.00				

PROJECT NO:1030-20-87	HWY:IH 94	COUNTY: MILWAUKEE	EARTHWORK	SHEET:	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090101_ew.ppt PLOT DATE : 7/11/2018 10:26:21 PM PLOT BY :MSCD1S PLOT NAME : 090101_ew25 PLOT SCALE : 1:1

Division 4 ELM

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Fill	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut	Cumulative Vol (CY) Fill	Cumulative Vol (CY) EBS	Mass Ordinate
33+44 AH	3344.45	0.00	0.03	1390.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33+50	3350.00	5.55	0.02	1367.22	0.00	0.01	283.45	0.00	0.01	283.45	0.00	-283.44
34+00	3400.00	50.00	0.00	1388.47	0.00	0.02	2551.56	0.00	0.02	2835.01	0.00	-2834.99
34+50	3450.00	50.00	0.00	1481.07	0.00	0.00	2656.98	0.00	0.02	5491.99	0.00	-5491.97
34+92 BK	3491.76	41.76	0.00	1218.71	0.00	0.00	2087.83	0.00	0.02	7579.82	0.00	-7579.80
					Column totals	0.02	7579.82	0.00				

PROJECT NO:1030-20-87	HWY:IH 94	COUNTY: MILWAUKEE	EARTHWORK	SHEET:	E

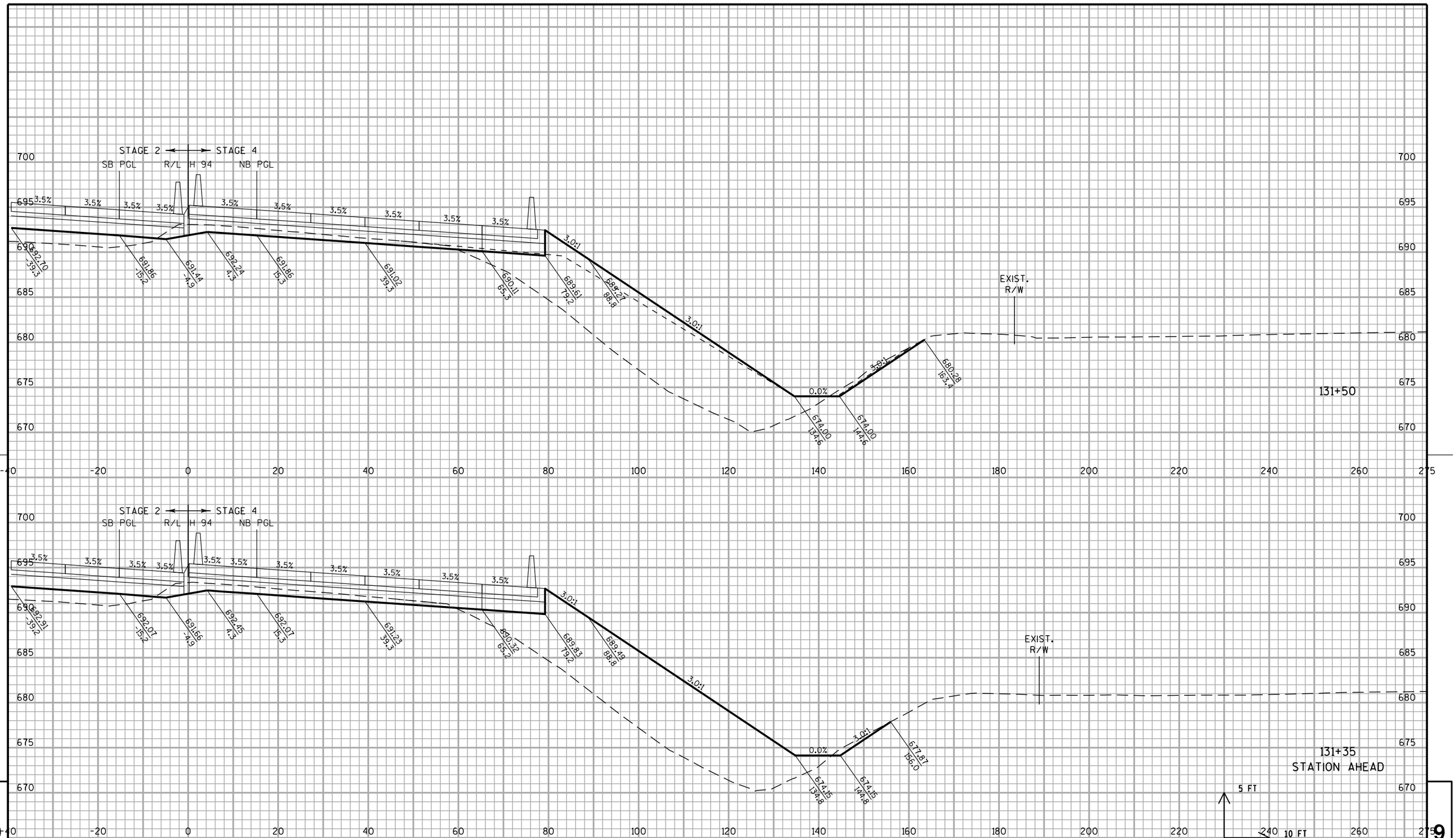
FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090101_ew.ppt PLOT DATE : 7/11/2018 10:26:21 PM PLOT BY :MSCD1S PLOT NAME : 090101_ew26 PLOT SCALE : 1:1

Division 4 OAKWOOD

STATION		Real Station	Distance	AREA (SF) Cut	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Fill	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut	Cumulative Vol (CY) Fill	Cumulative Vol (CY) EBS	Mass Ordinate
17+00	AH	1700.00	0.00	47.18	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17+50		1750.00	50.00	100.88	3.93	0.00	137.09	3.70	0.00	137.09	3.70	0.00	133.39
18+00		1800.00	50.00	147.27	3.39	0.00	229.77	6.78	0.00	366.86	10.48	0.00	356.38
18+50		1850.00	50.00	117.08	6.20	0.00	244.77	8.88	0.00	611.63	19.36	0.00	592.27
19+00		1900.00	50.00	68.87	28.56	0.00	172.18	32.19	0.00	783.81	51.55	0.00	732.26
19+50		1950.00	50.00	49.16	742.86	0.00	109.29	714.28	0.00	893.09	765.82	0.00	127.27
20+00		2000.00	50.00	0.92	498.79	0.00	46.37	1149.68	0.00	939.46	1915.50	0.00	-976.04
20+50		2050.00	50.00	0.00	632.97	0.00	0.85	1047.93	0.00	940.31	2963.43	0.00	-2023.11
21+00		2100.00	50.00	45.34	1.11	0.00	41.98	587.11	0.00	982.30	3550.54	0.00	-2568.24
21+50		2150.00	50.00	45.78	2.92	0.00	84.37	3.73	0.00	1066.67	3554.27	0.00	-2487.60
22+00	BK	2200.00	50.00	48.13	0.00	0.00	86.95	2.70	0.00	1153.62	3556.97	0.00	-2403.35
						Column totals	1153.62	3556.97	0.00				

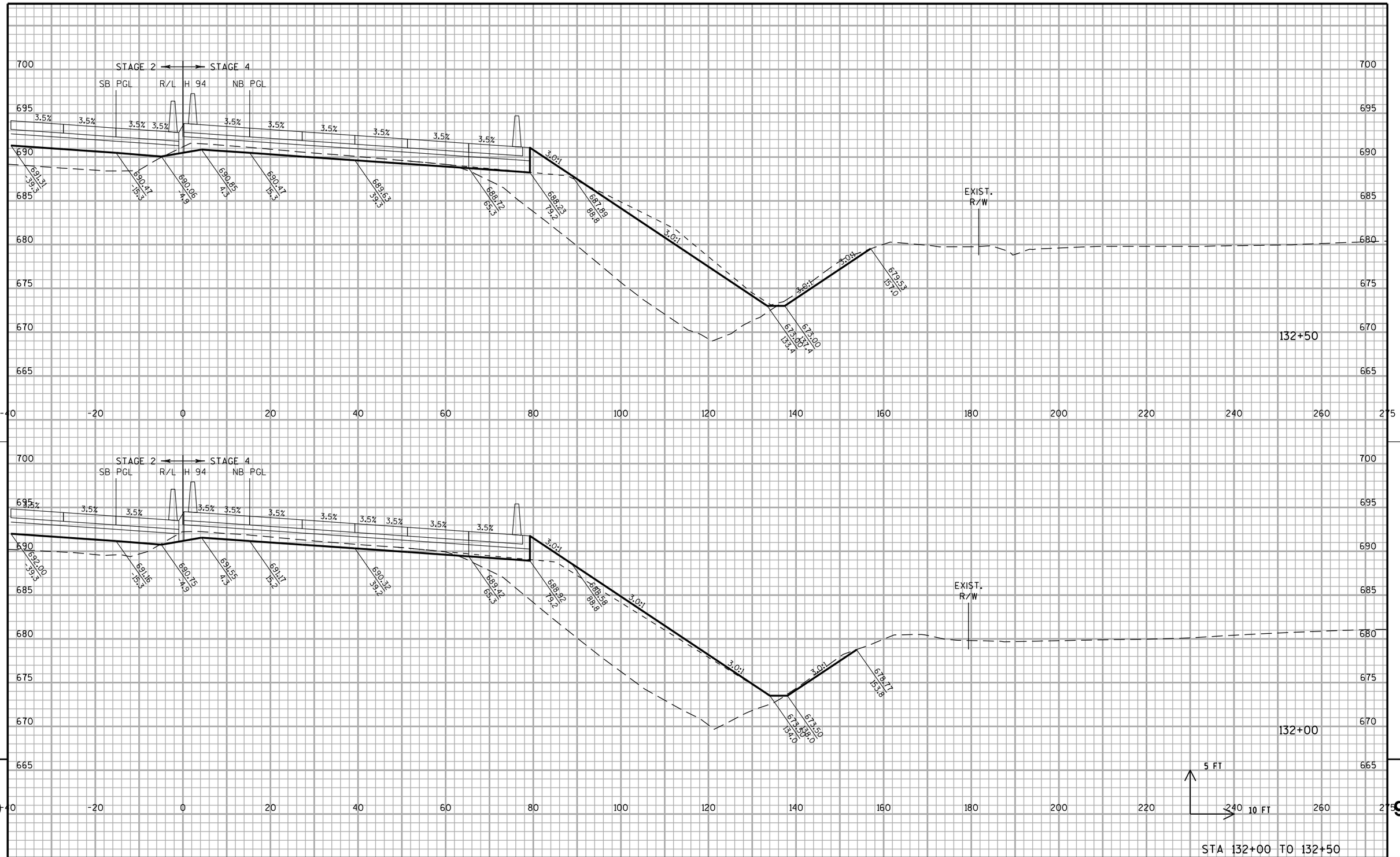
PROJECT NO:1030-20-87	HWY:IH 94	COUNTY: MILWAUKEE	EARTHWORK	SHEET:	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090101_ew.ppt PLOT DATE : 7/11/2018 10:26:21 PM PLOT BY :MSCD1S PLOT NAME : 090101_ew27 PLOT SCALE : 1:1



PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 NB	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090201_xs_ih94_nb.dgn PLOT DATE : 11-JUL-2018 22:12 PLOT BY : MSCD1S PLOT NAME : 090201_xs_ih94_nb PLOT SCALE : 20:1

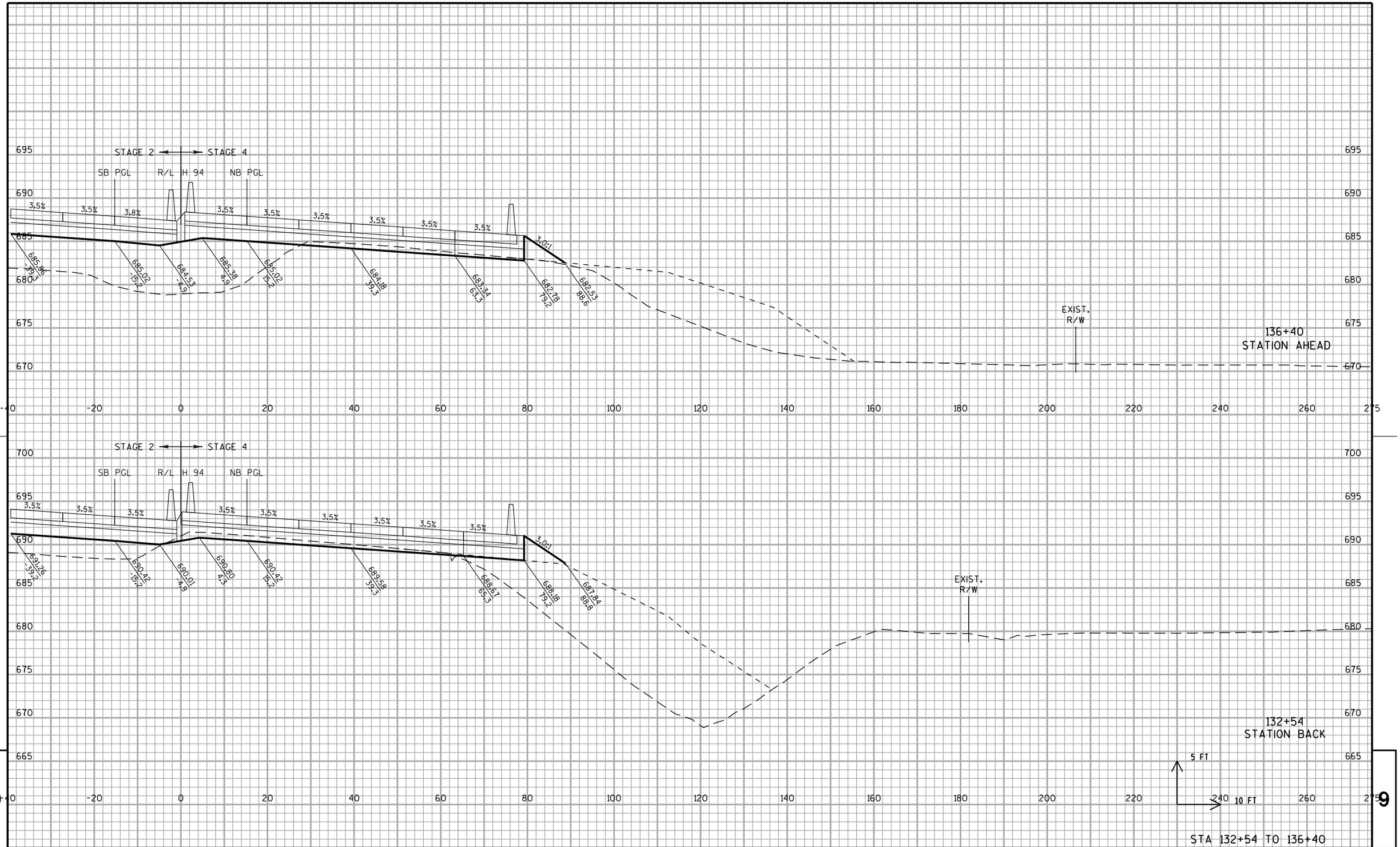


STA 132+00 TO 132+50

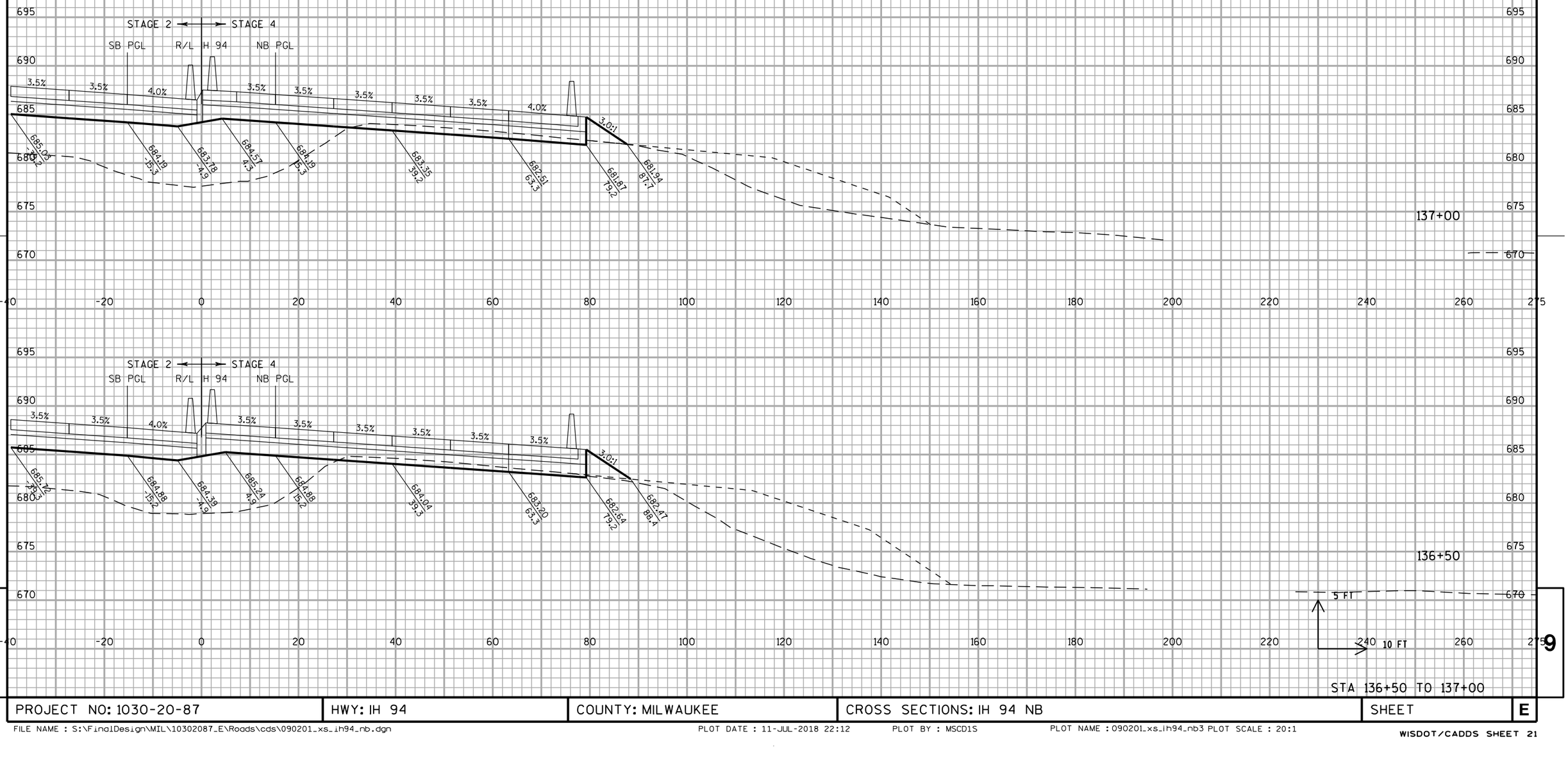
PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 NB	SHEET	E

9

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090201_xs_ih94_nb.dgn
PLOT DATE : 11-JUL-2018 22:12
PLOT BY : MSCD1S
PLOT NAME : 090201_xs_ih94_nb1 PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

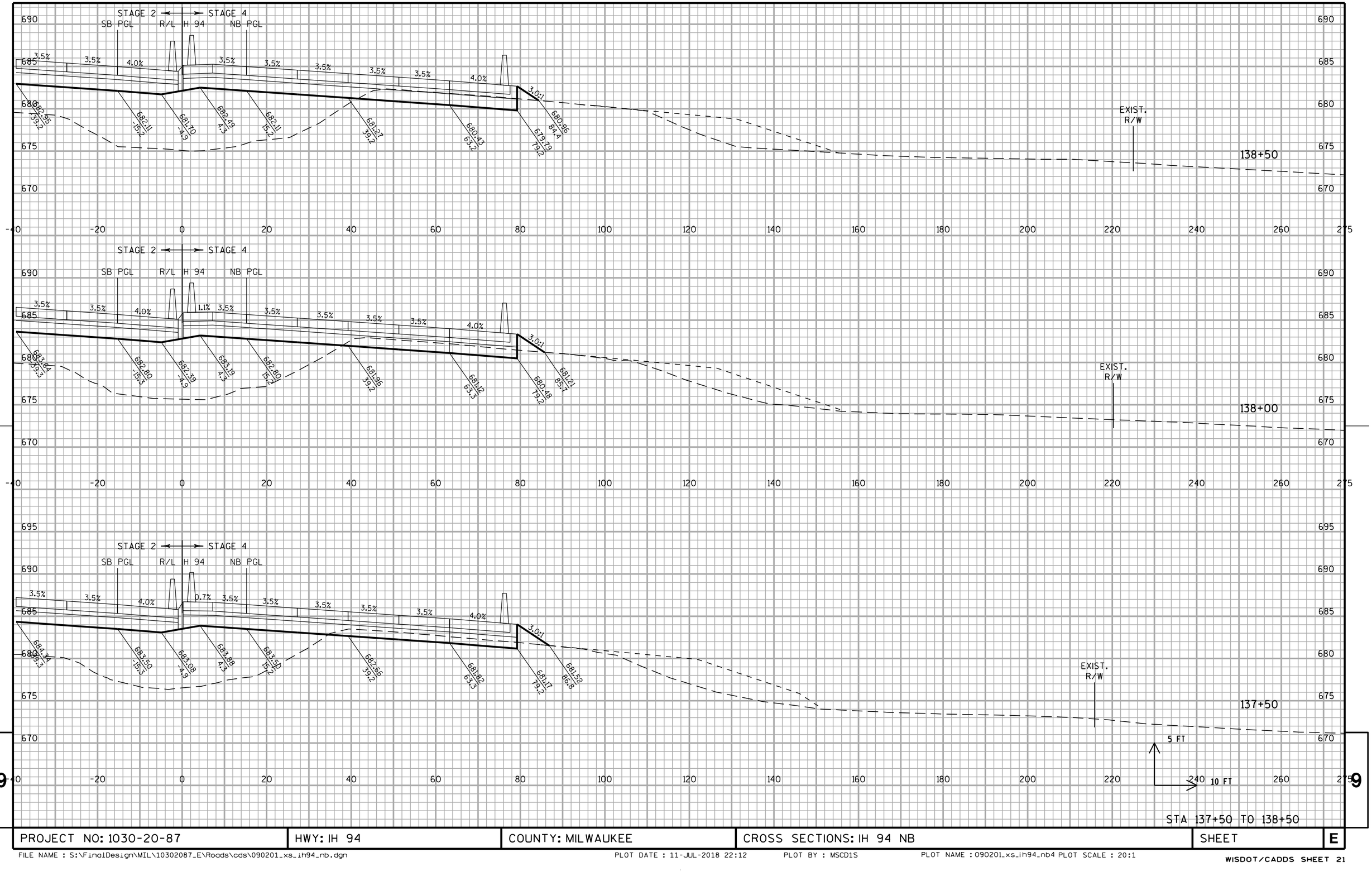


PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 NB	SHEET	E



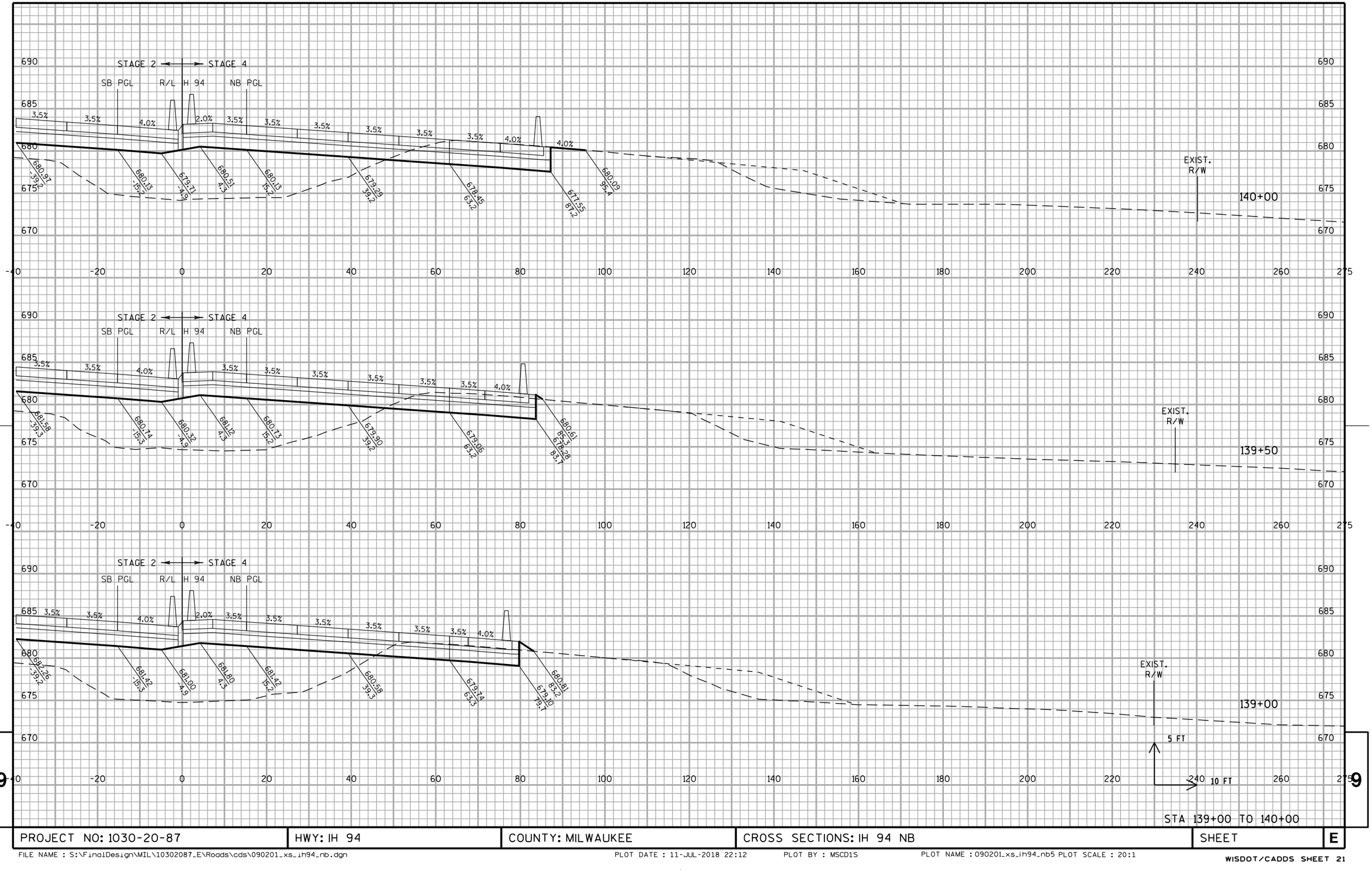
STA 136+50 TO 137+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 NB	SHEET	E



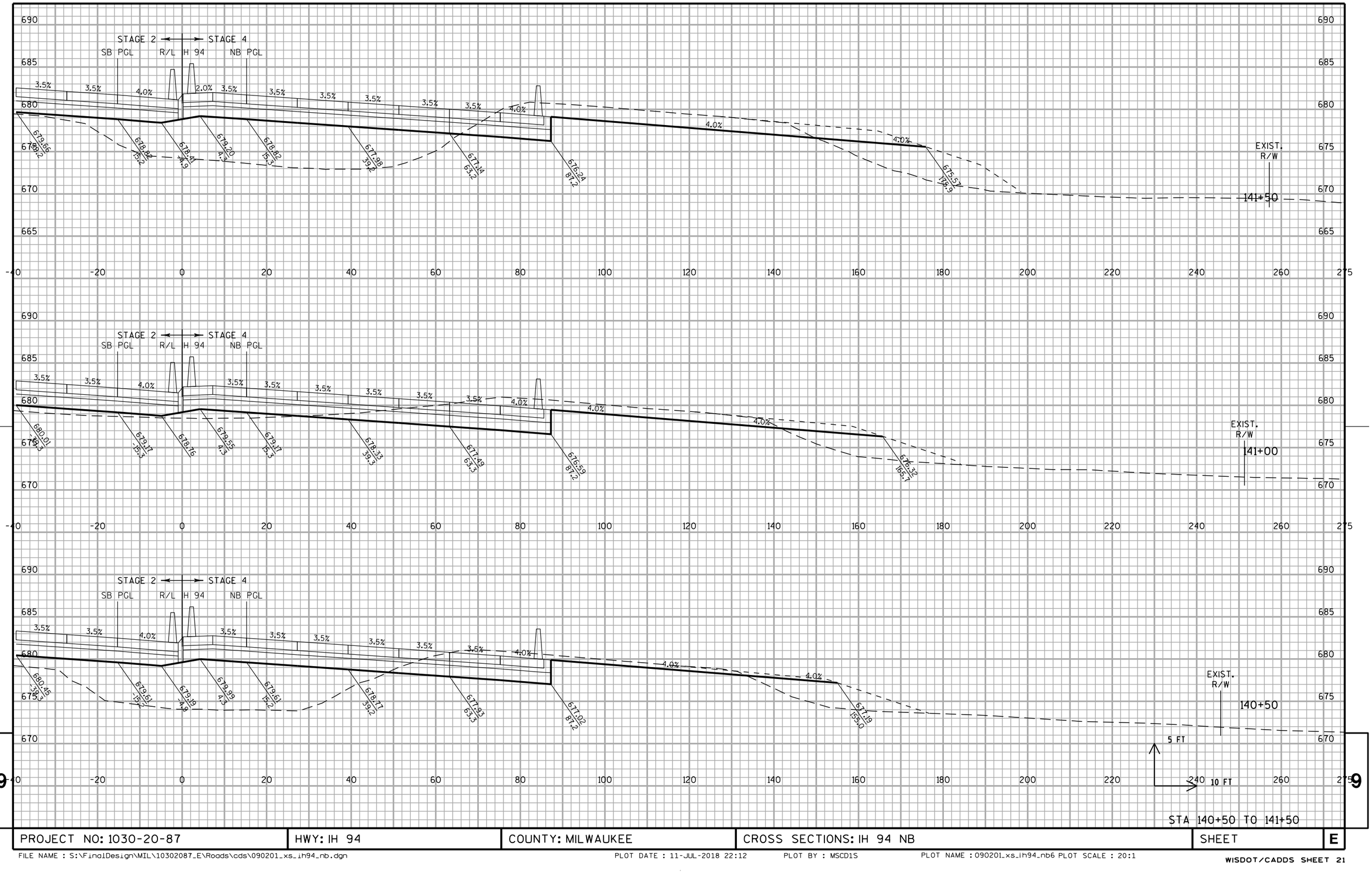
STA 137+50 TO 138+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 NB	SHEET	E



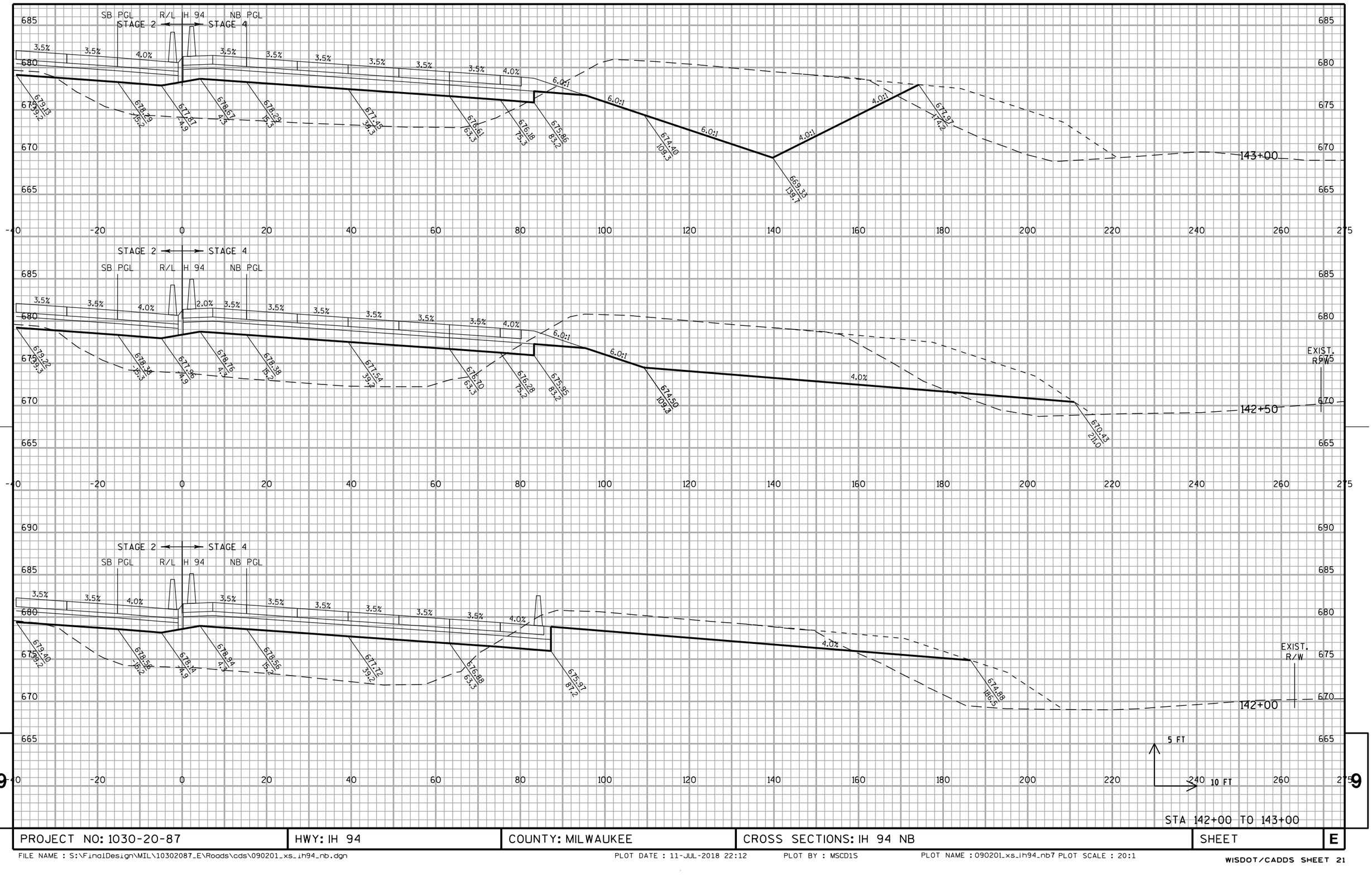
PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 NB	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090201_xs_ih94_nb.dgn PLOT DATE : 11-JUL-2018 22:12 PLOT BY : MSCD1S PLOT NAME : 090201_xs_ih94_nb5 PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21



STA 140+50 TO 141+50

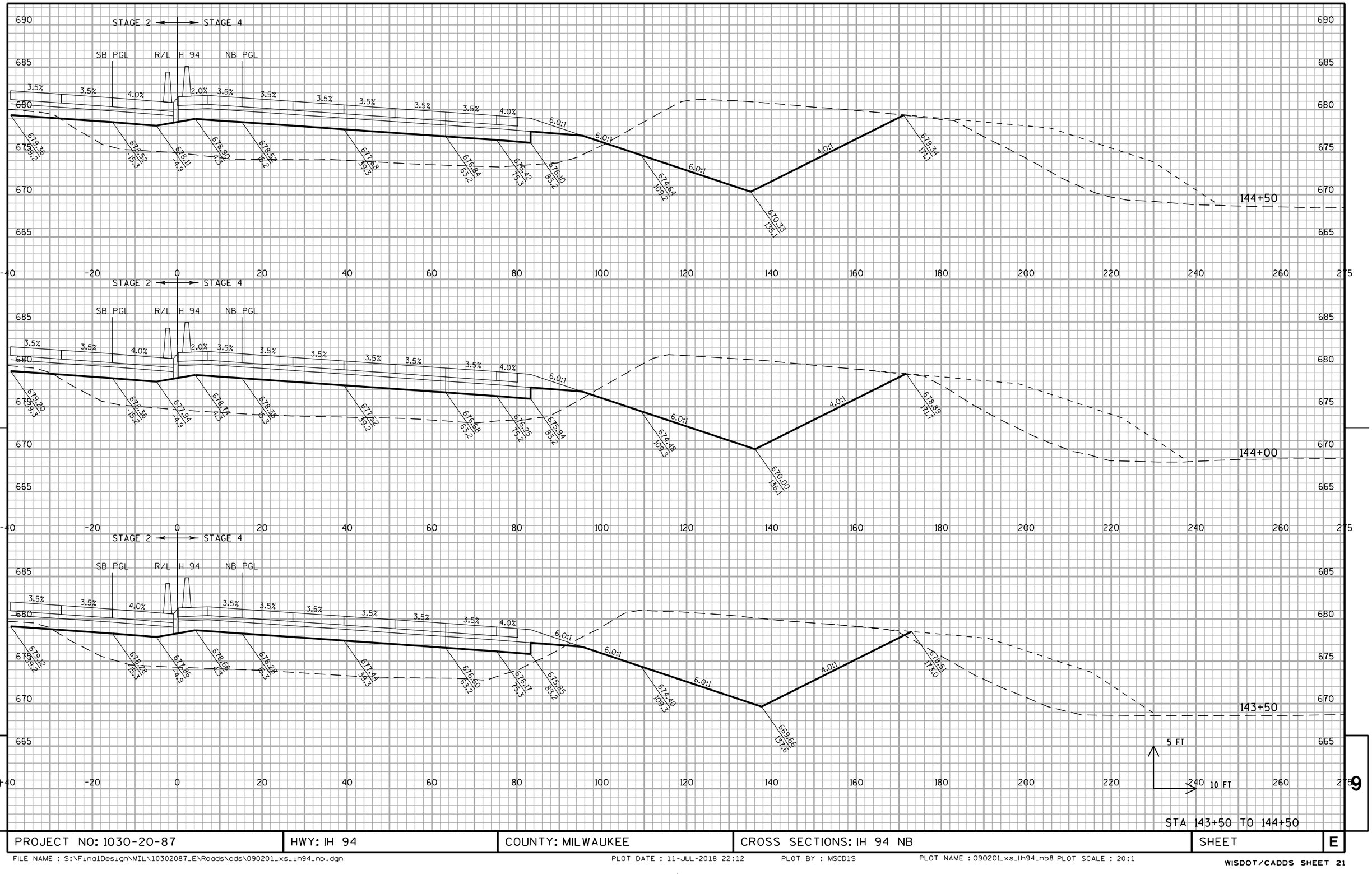
PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 NB	SHEET	E



STA 142+00 TO 143+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 NB	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090201_xs_ih94_nb.dgn PLOT DATE : 11-JUL-2018 22:12 PLOT BY : MSCD1S PLOT NAME : 090201_xs_ih94_nb7 PLOT SCALE : 20:1

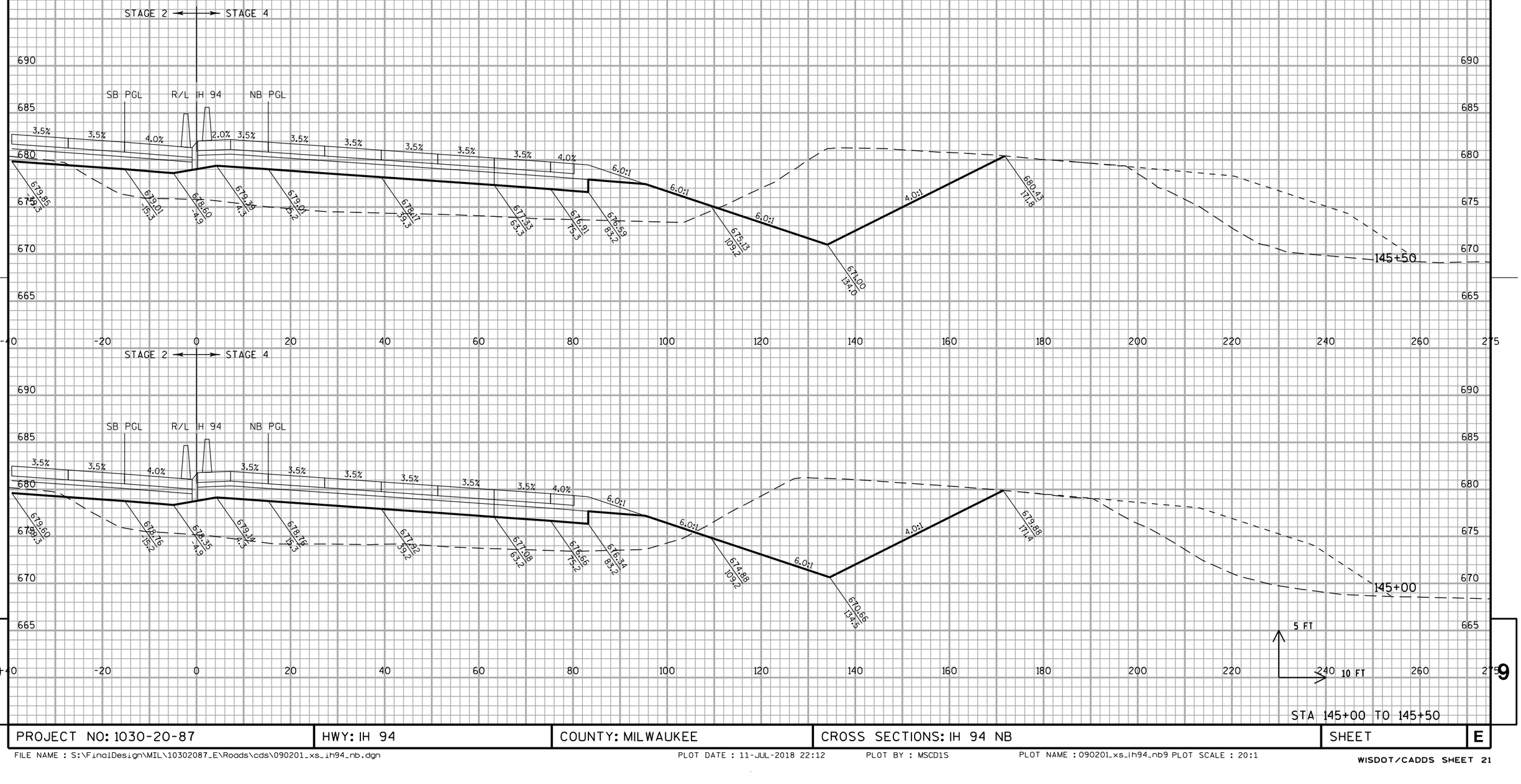


STA 143+50 TO 144+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 NB	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090201_xs_ih94_nb.dgn PLOT DATE : 11-JUL-2018 22:12 PLOT BY : MSCD1S PLOT NAME : 090201_xs_ih94_nb8 PLOT SCALE : 20:1

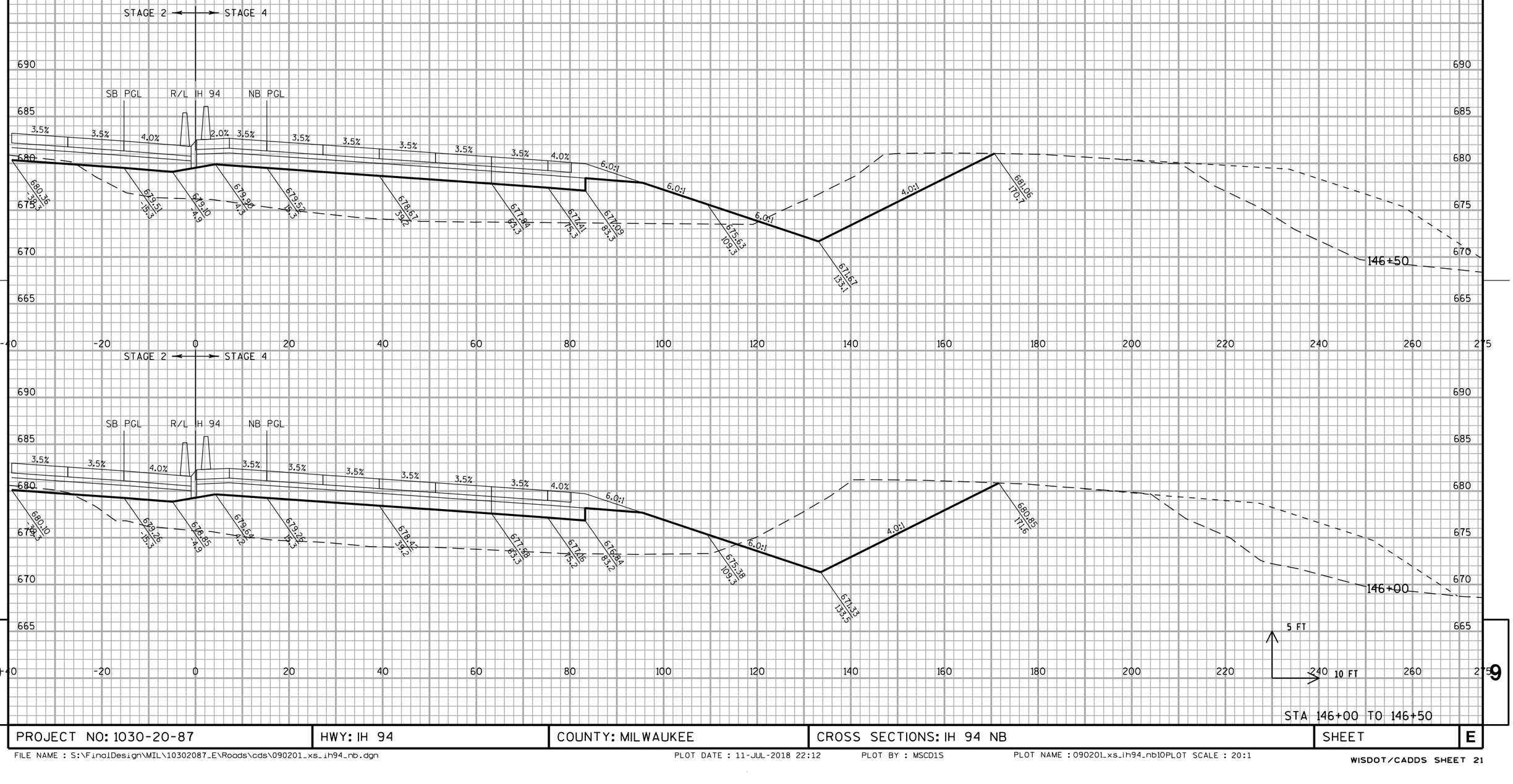
WISDOT/CADDS SHEET 21



STA 145+00 TO 145+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 NB	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090201_xs_ih94_nb.dgn PLOT DATE : 11-JUL-2018 22:12 PLOT BY : MSCD1S PLOT NAME : 090201_xs_ih94_nb9 PLOT SCALE : 20:1



9

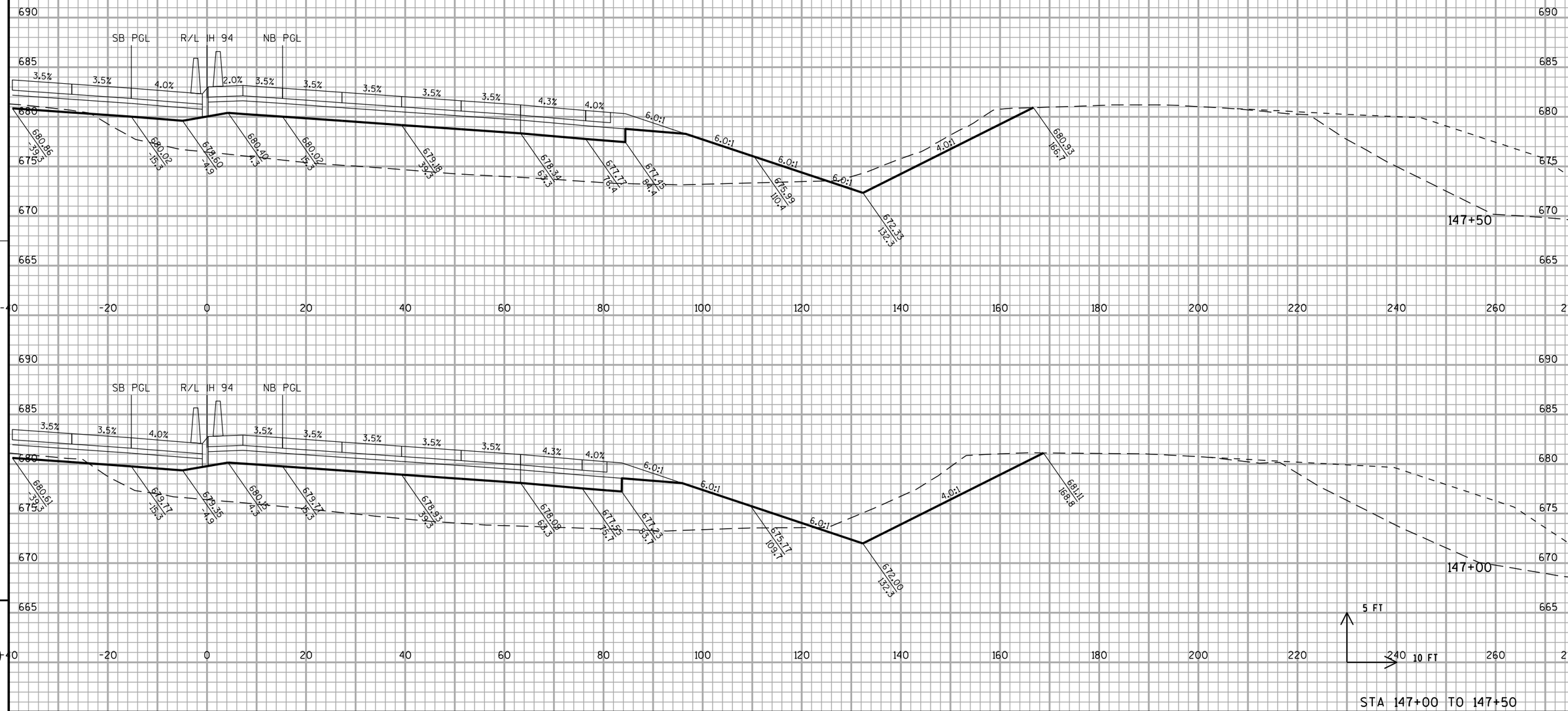
PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 NB	SHEET	E

STA 146+00 TO 146+50

9

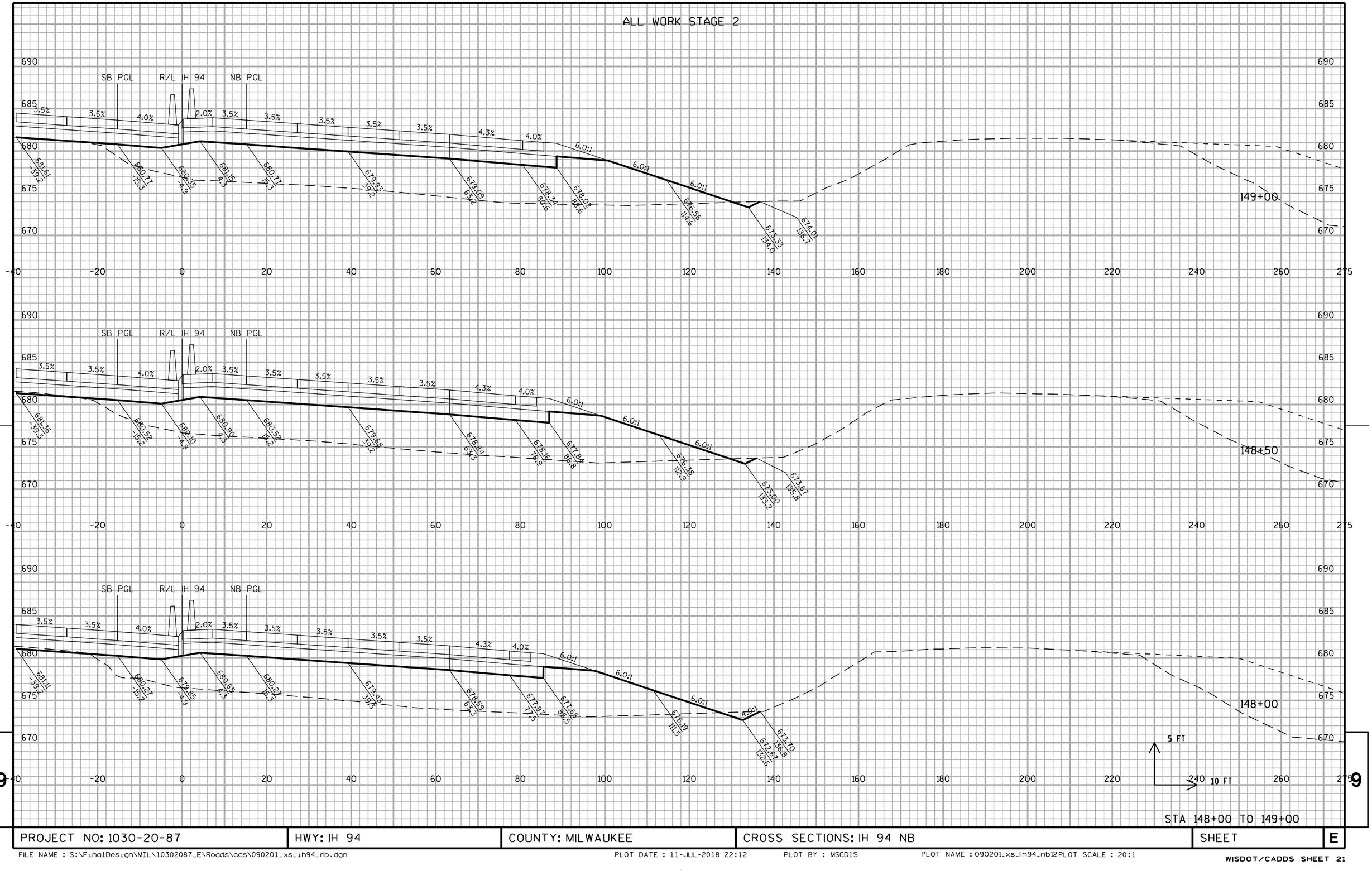
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ALL WORK STAGE 2



PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 NB	SHEET	E

ALL WORK STAGE 2

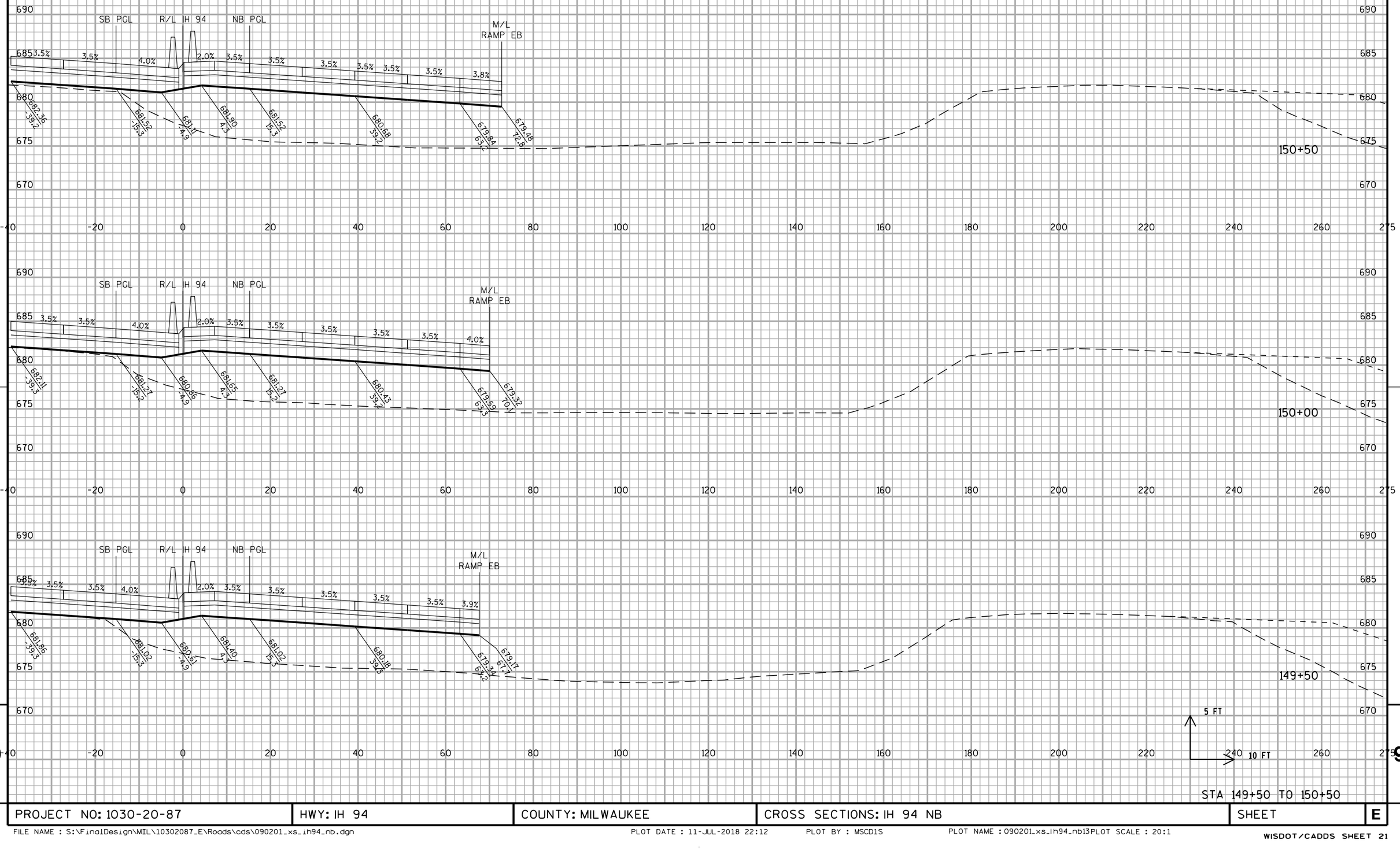


STA 148+00 TO 149+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 NB	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090201_xs_ih94_nb.dgn PLOT DATE : 11-JUL-2018 22:12 PLOT BY : MSCD1S PLOT NAME : 090201_xs_ih94_nb12PLOT SCALE : 20:1

ALL WORK STAGE 2



STA 149+50 TO 150+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 NB	SHEET	E

ALL WORK STAGE 2

9

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 NB	SHEET	E

9

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090201_xs_ih94_nb.dgn PLOT DATE : 11-JUL-2018 22:12 PLOT BY : MSCD1S PLOT NAME : 090201_xs_ih94_nb14PLOT SCALE : 20:1

ALL WORK STAGE 2

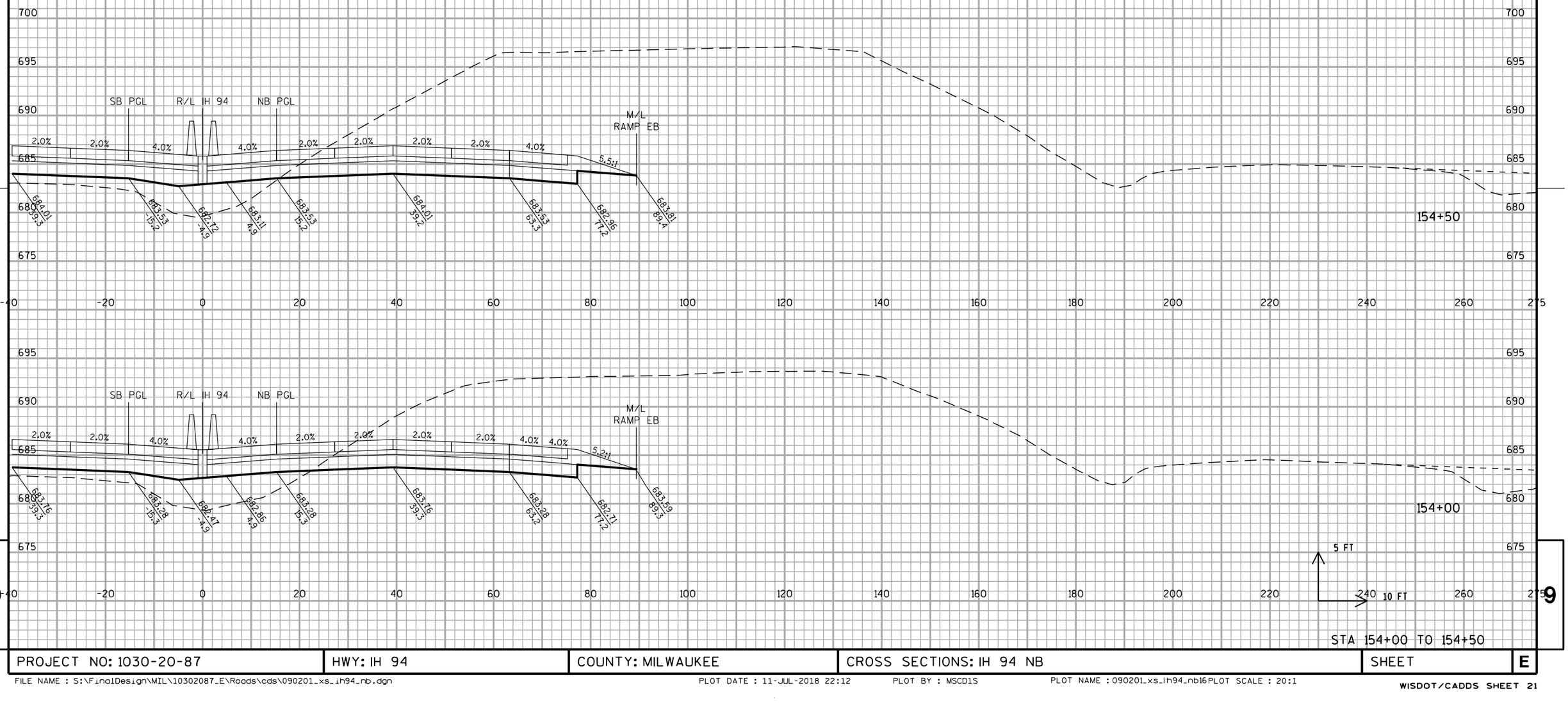
STA 152+50 TO 153+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 NB	SHEET	E

9

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090201_xs_ih94_nb.dgn
PLOT DATE : 11-JUL-2018 22:12
PLOT BY : MSCD1S
PLOT NAME : 090201_xs_ih94_nb15PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

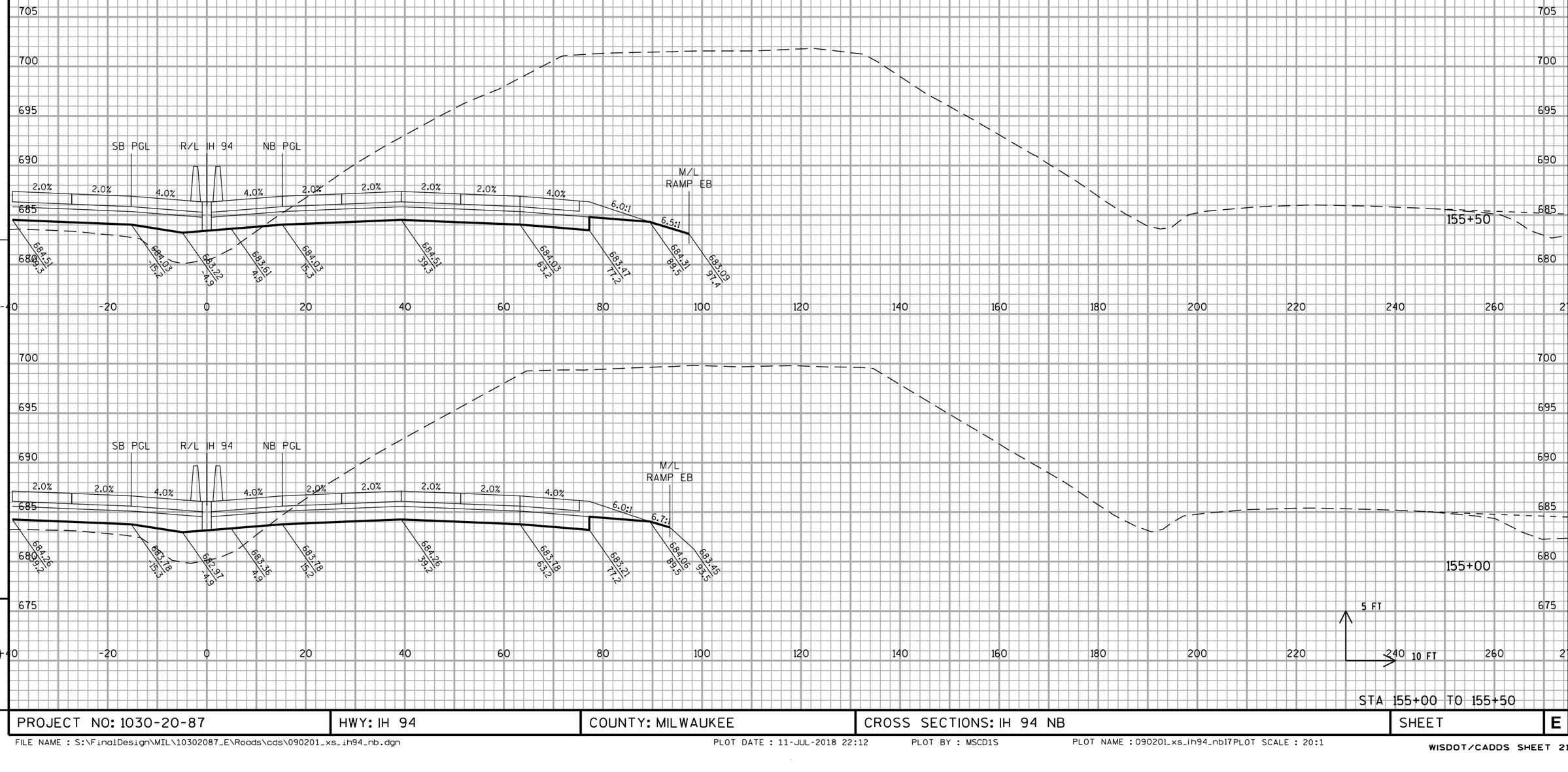
ALL WORK STAGE 2



PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 NB	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090201_xs_ih94_nb.dgn PLOT DATE : 11-JUL-2018 22:12 PLOT BY : MSCD1S PLOT NAME : 090201_xs_ih94_nb16PLOT SCALE : 20:1

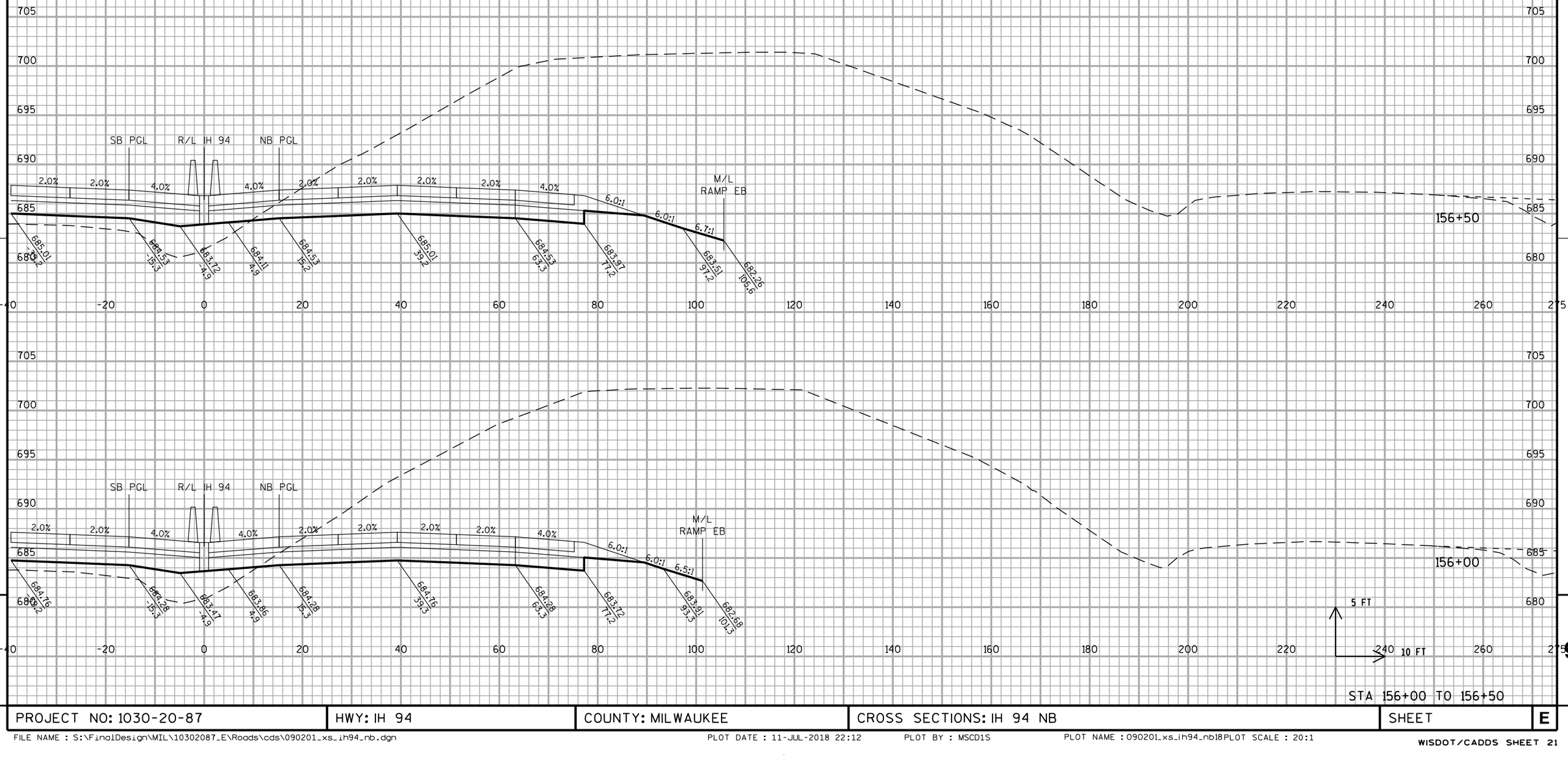
ALL WORK STAGE 2



PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 NB	SHEET	E

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ALL WORK STAGE 2



9

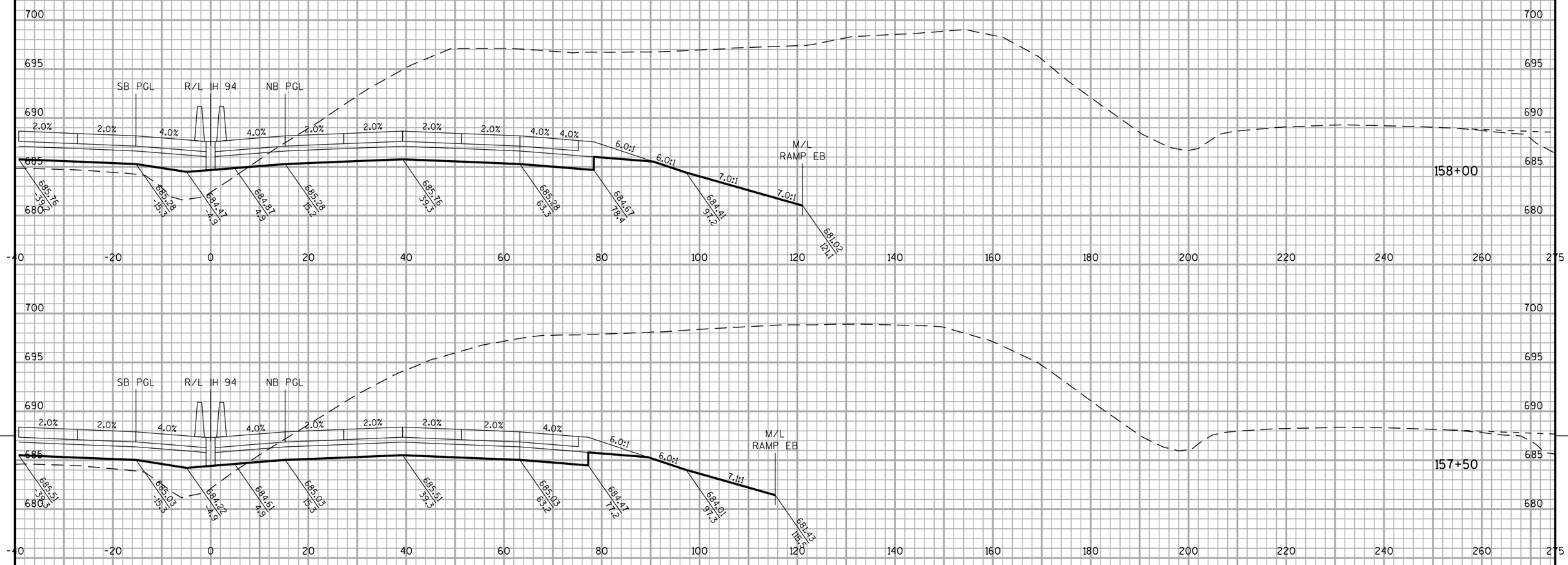
9

STA 156+00 TO 156+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 NB	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090201_xs_ih94_nb.dgn PLOT DATE : 11-JUL-2018 22:12 PLOT BY : MSCD1S PLOT NAME : 090201_xs_ih94_nb18PLOT SCALE : 20:1

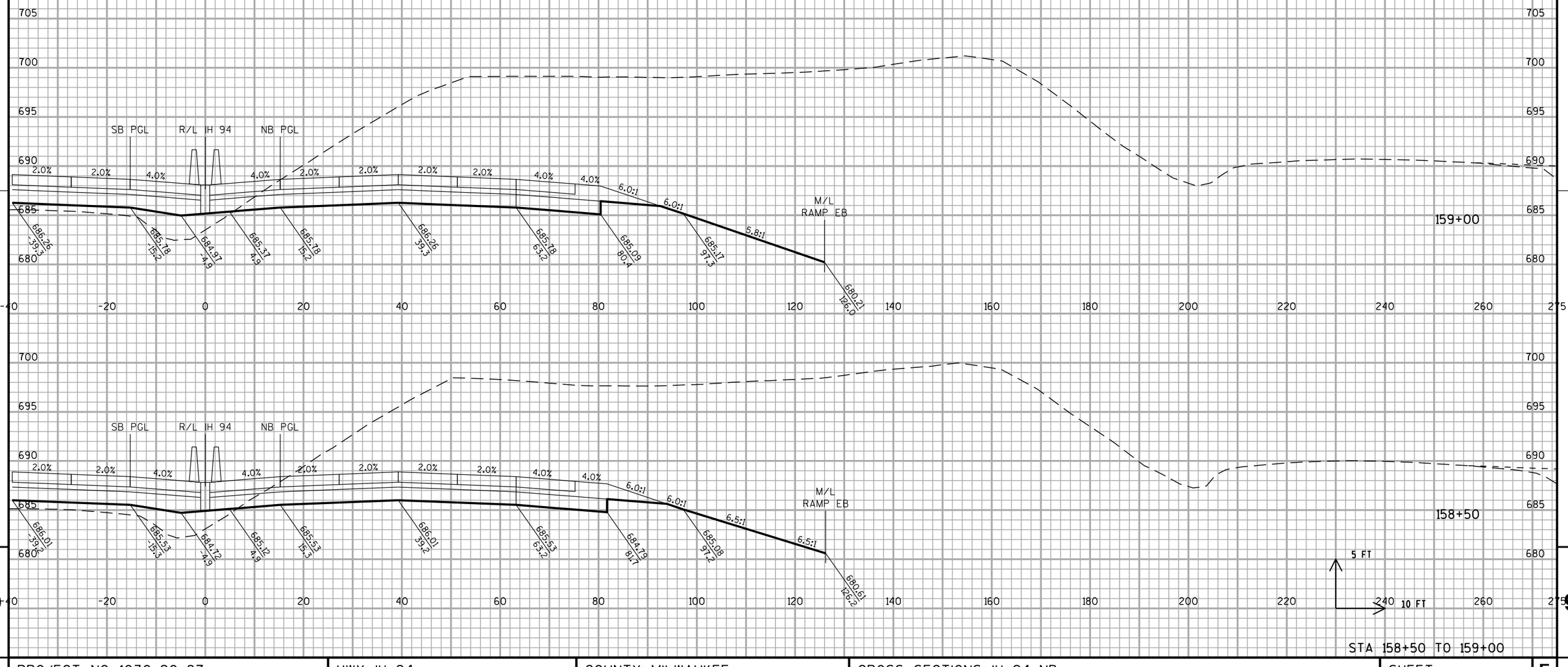
ALL WORK STAGE 2



PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 NB	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090201_xs_ih94_nb.dgn PLOT DATE : 11-JUL-2018 22:12 PLOT BY : MSCD1S PLOT NAME : 090201_xs_ih94_nb19PLOT SCALE : 20:1

ALL WORK STAGE 2

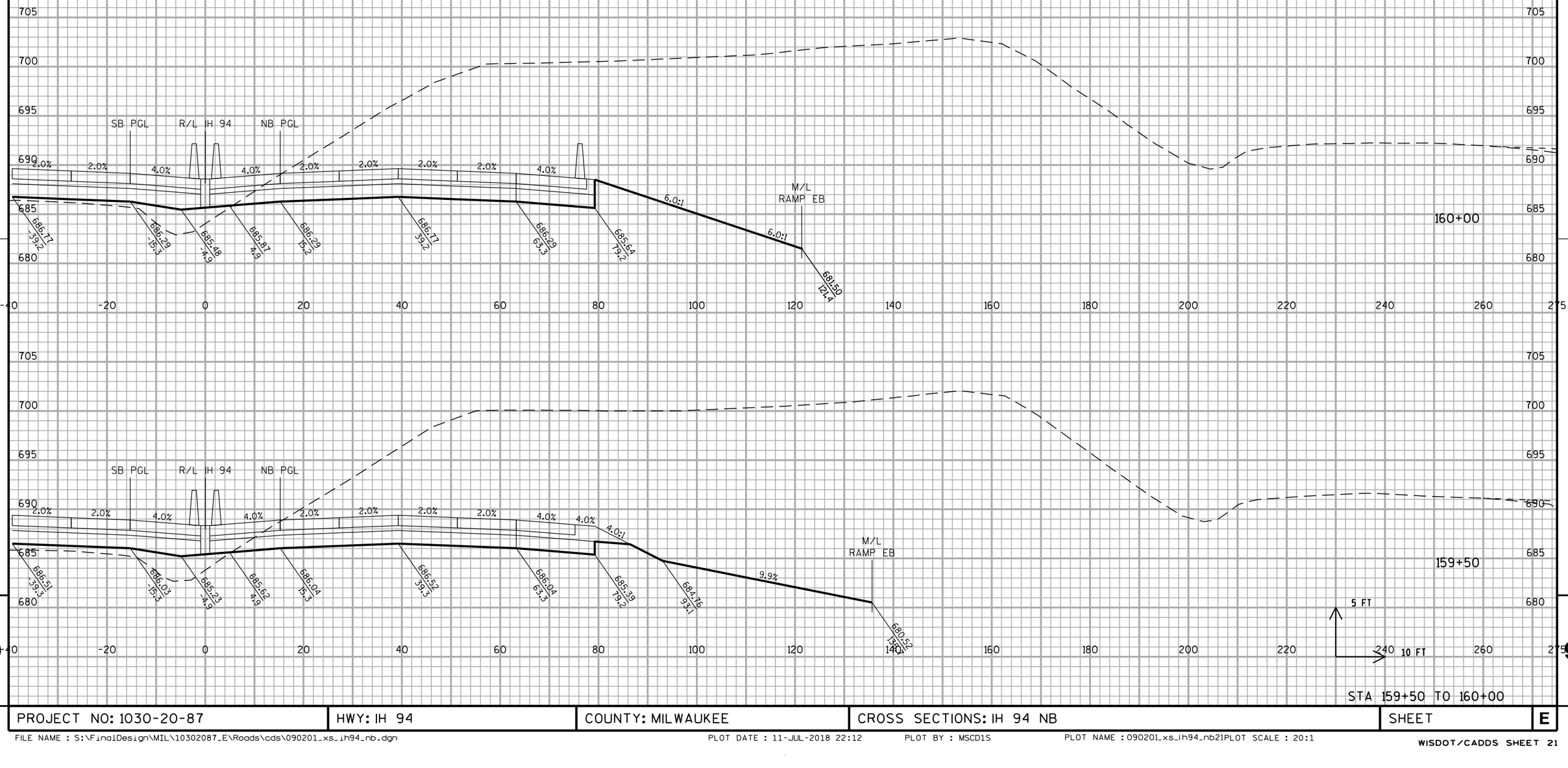


PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 NB	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090201_xs_ih94_nb.dgn PLOT DATE : 11-JUL-2018 22:12 PLOT BY : MSCD1S PLOT NAME : 090201_xs_ih94_nb2 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 2



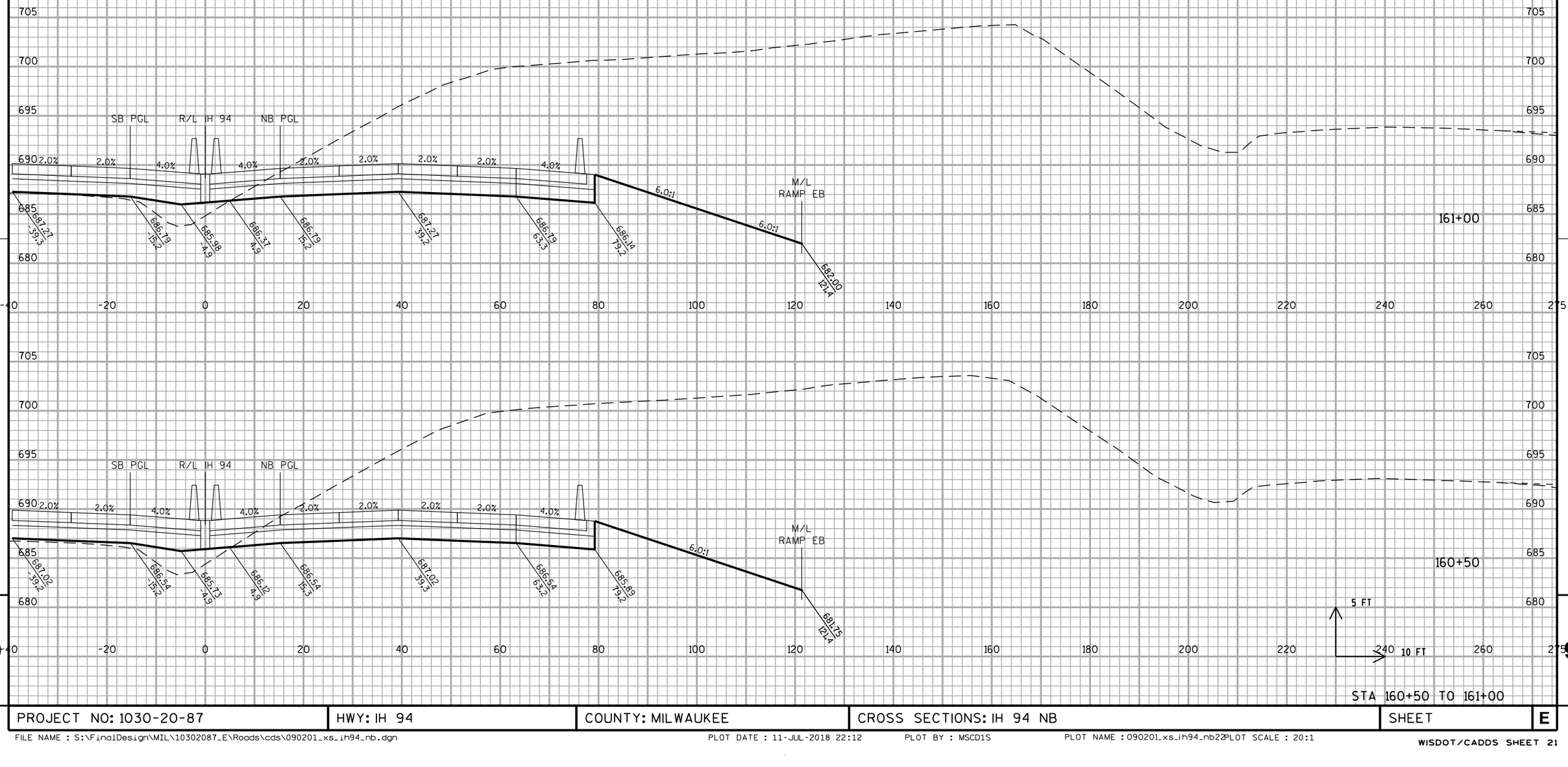
STA 159+50 TO 160+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 NB	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090201_xs_ih94_nb.dgn PLOT DATE : 11-JUL-2018 22:12 PLOT BY : MSCD1S PLOT NAME : 090201_xs_ih94_nb2IPLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

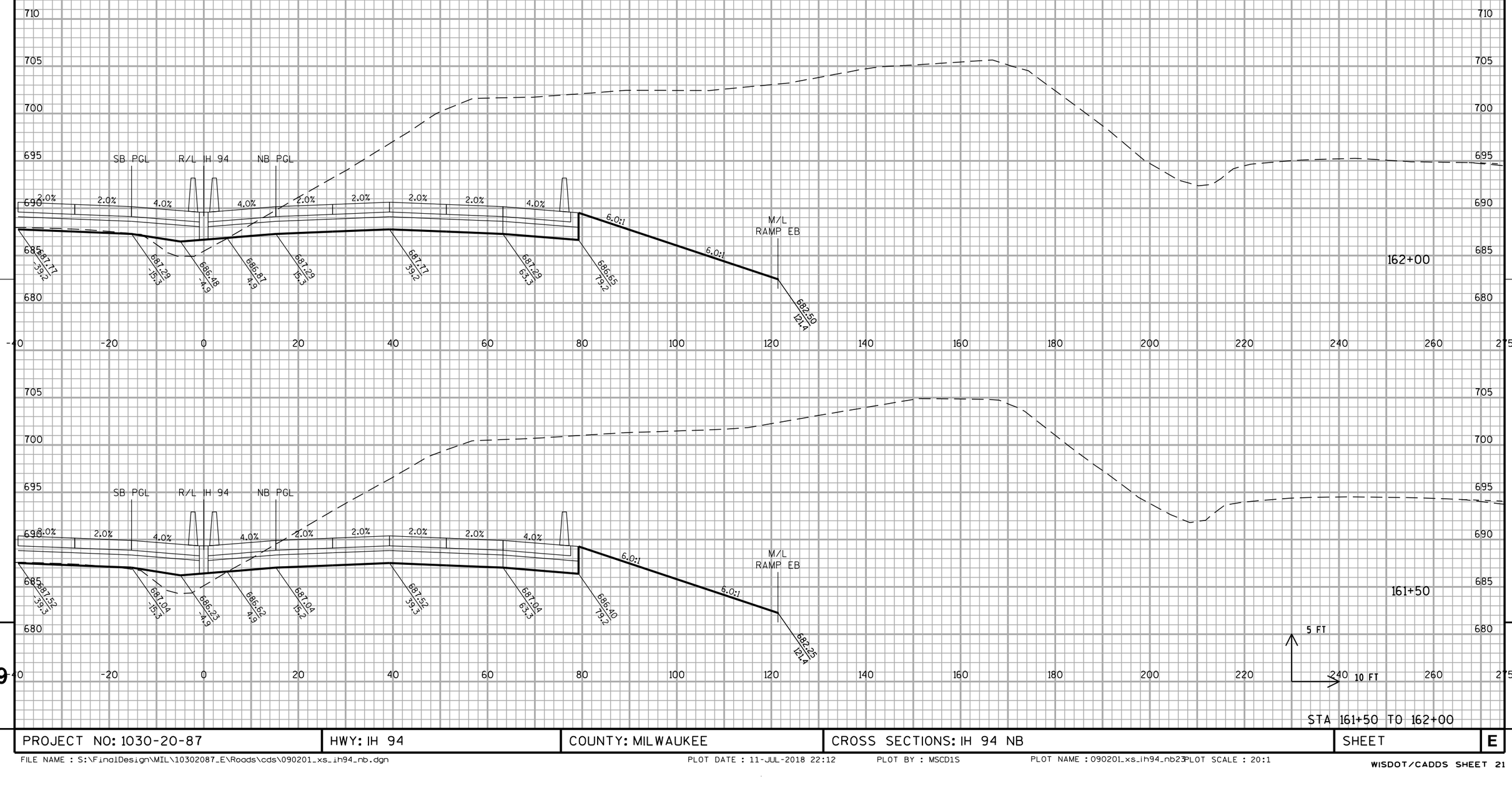
ALL WORK STAGE 2



STA 160+50 TO 161+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 NB	SHEET	E

ALL WORK STAGE 2



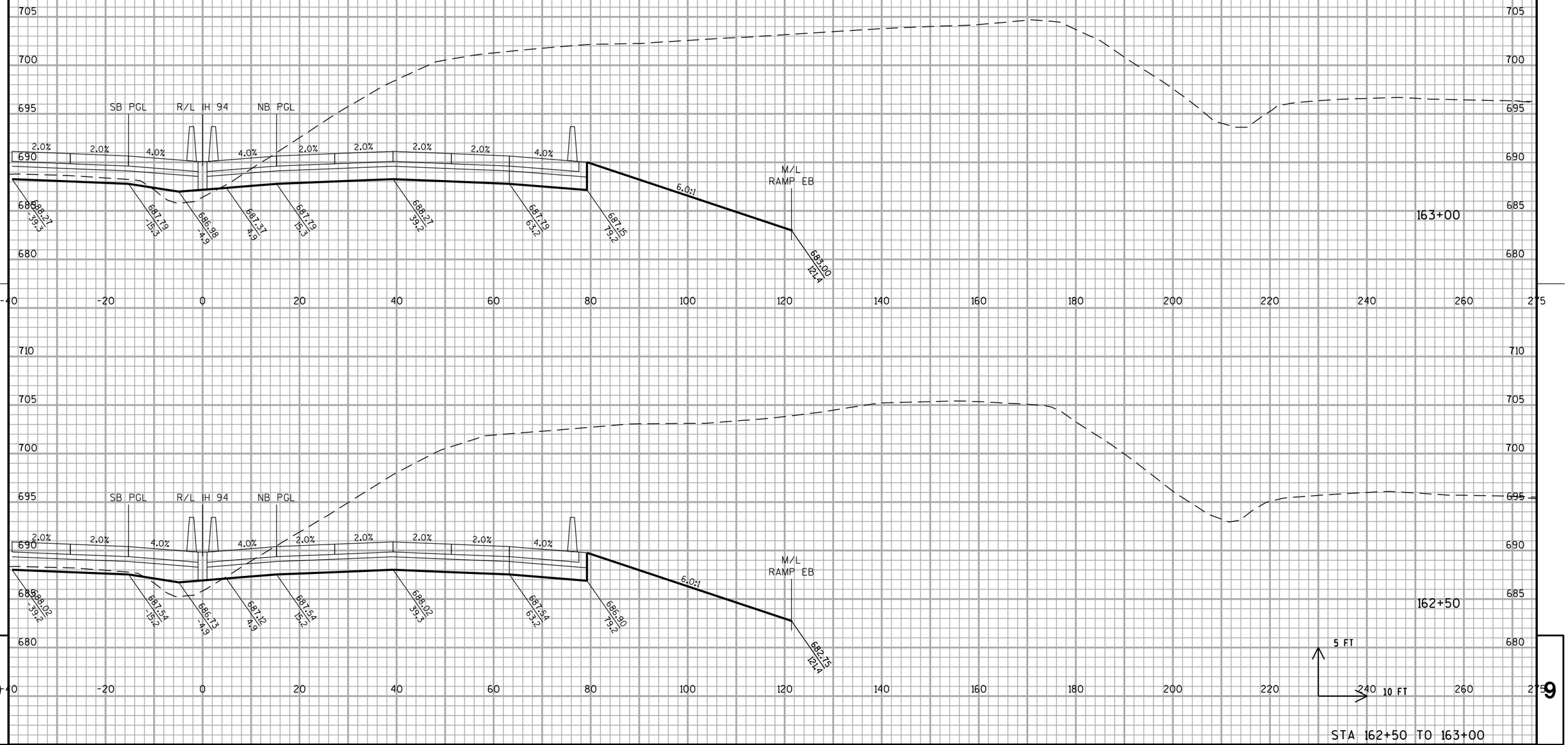
STA 161+50 TO 162+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 NB	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090201_xs_ih94_nb.dgn PLOT DATE : 11-JUL-2018 22:12 PLOT BY : MSCD1S PLOT NAME : 090201_xs_ih94_nb23 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 2

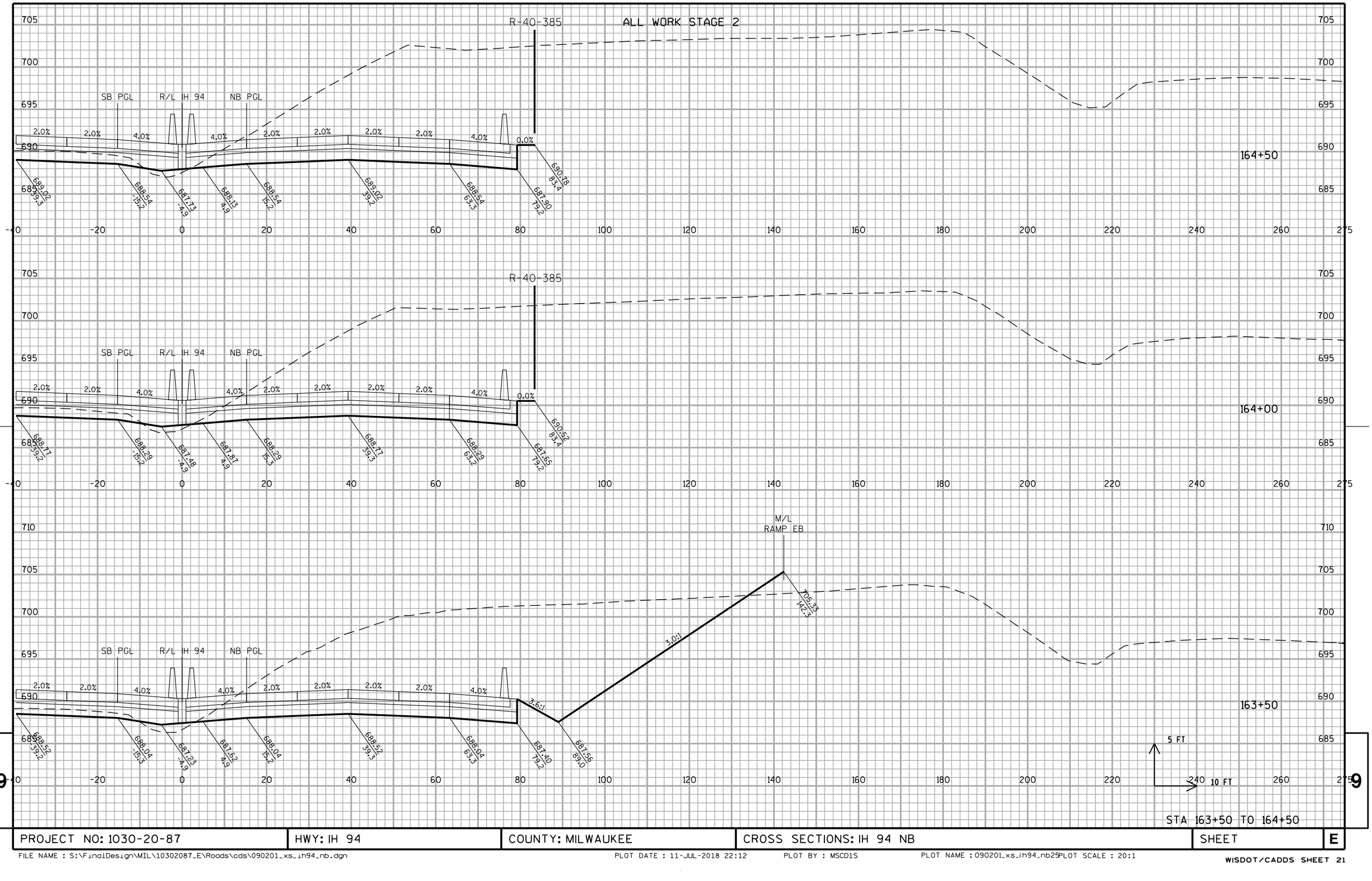


STA 162+50 TO 163+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 NB	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090201_xs_ih94_nb.dgn PLOT DATE : 11-JUL-2018 22:12 PLOT BY : MSCD1S PLOT NAME : 090201_xs_ih94_nb24 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

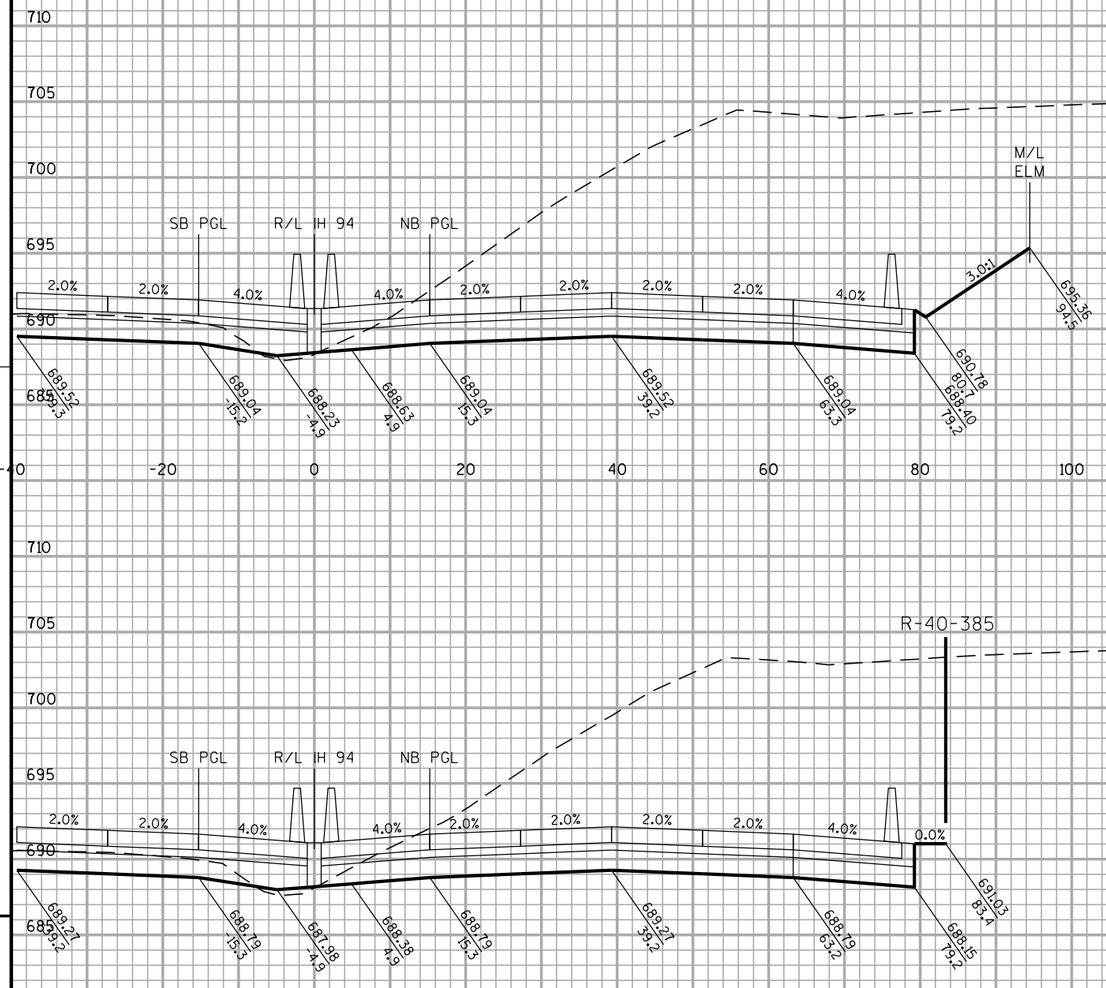


STA 163+50 TO 164+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 NB	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090201_xs_ih94_nb.dgn PLOT DATE : 11-JUL-2018 22:12 PLOT BY : MSCD1S PLOT NAME : 090201_xs_ih94_nb25 PLOT SCALE : 20:1

ALL WORK STAGE 2



9

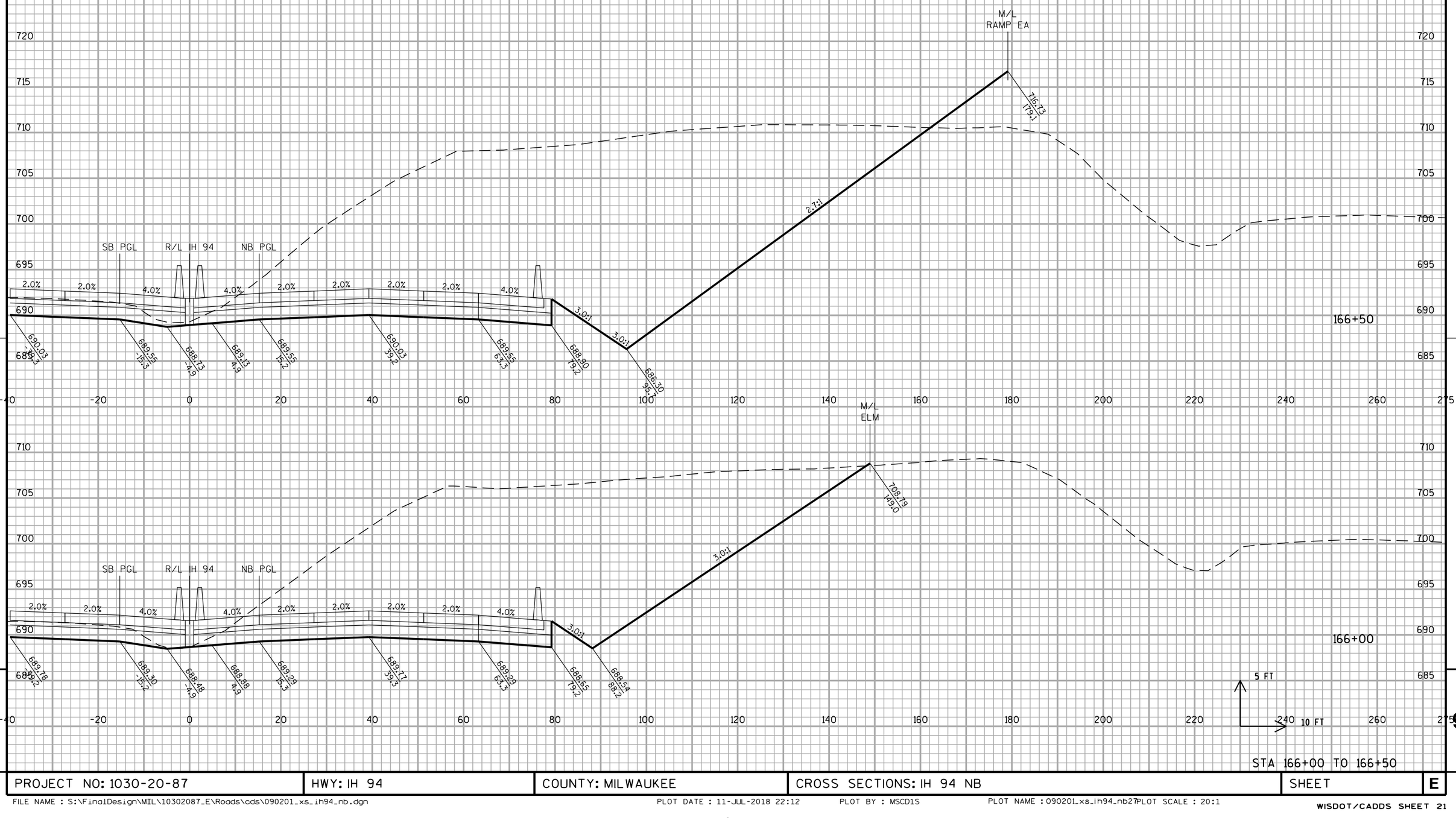
9

STA 165+00 TO 165+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 NB	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090201_xs_ih94_nb.dgn PLOT DATE : 11-JUL-2018 22:12 PLOT BY : MSCD1S PLOT NAME : 090201_xs_ih94_nb26PLOT SCALE : 20:1

ALL WORK STAGE 2

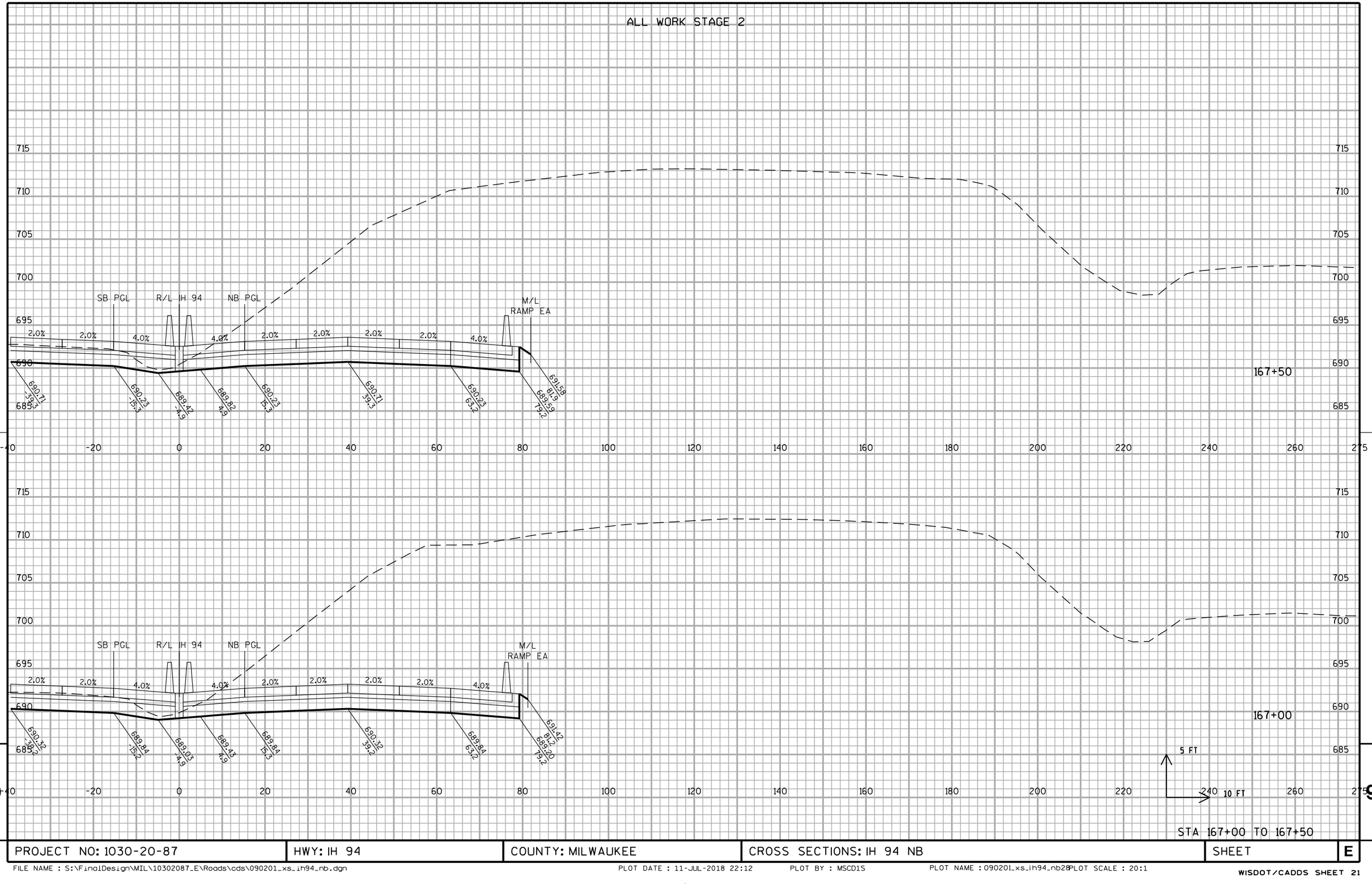


STA 166+00 TO 166+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 NB	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090201_xs_ih94_nb.dgn PLOT DATE : 11-JUL-2018 22:12 PLOT BY : MSCD1S PLOT NAME : 090201_xs_ih94_nb27 PLOT SCALE : 20:1

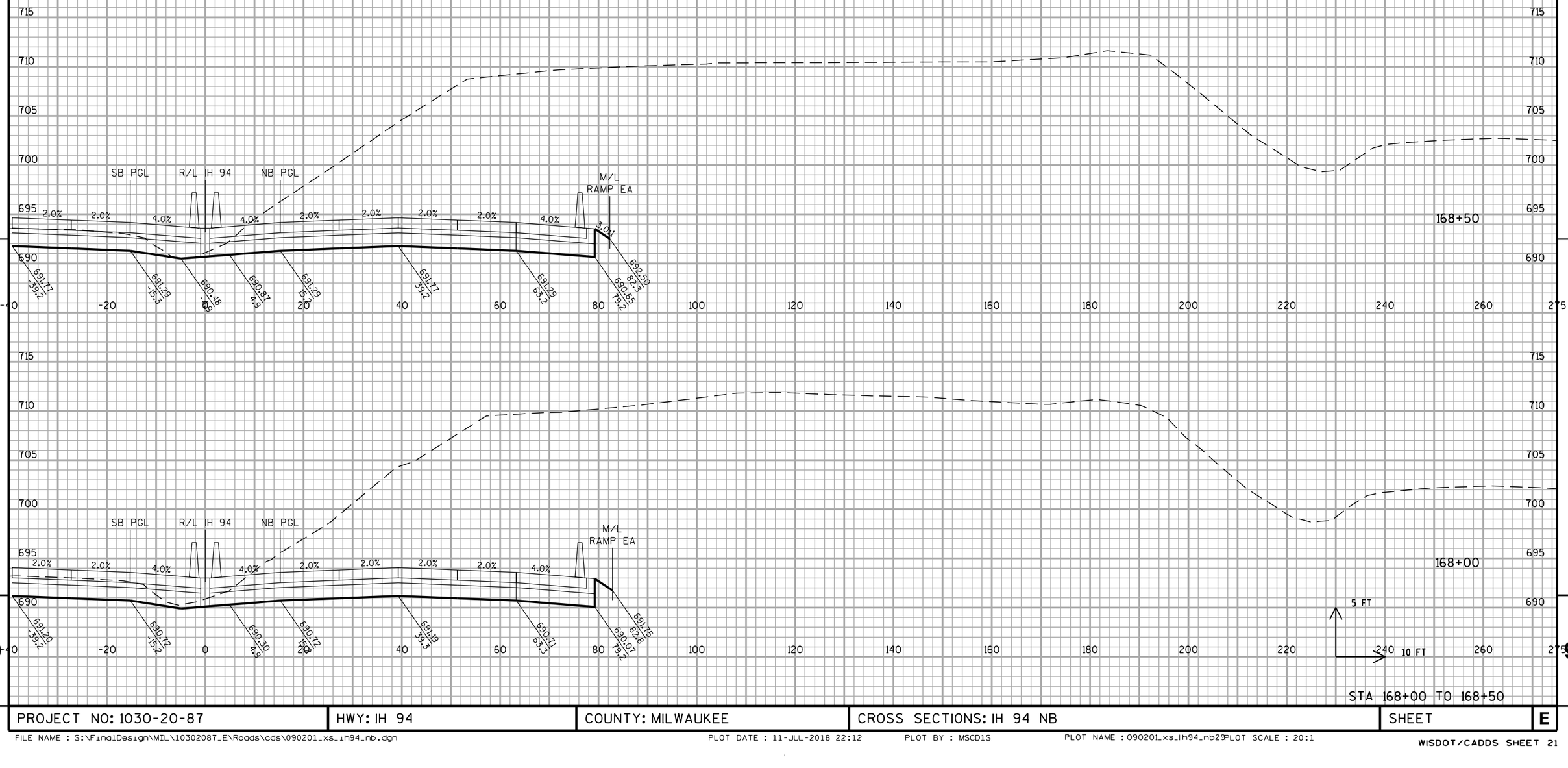
ALL WORK STAGE 2



PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 NB	SHEET	E

STA 167+00 TO 167+50

ALL WORK STAGE 2



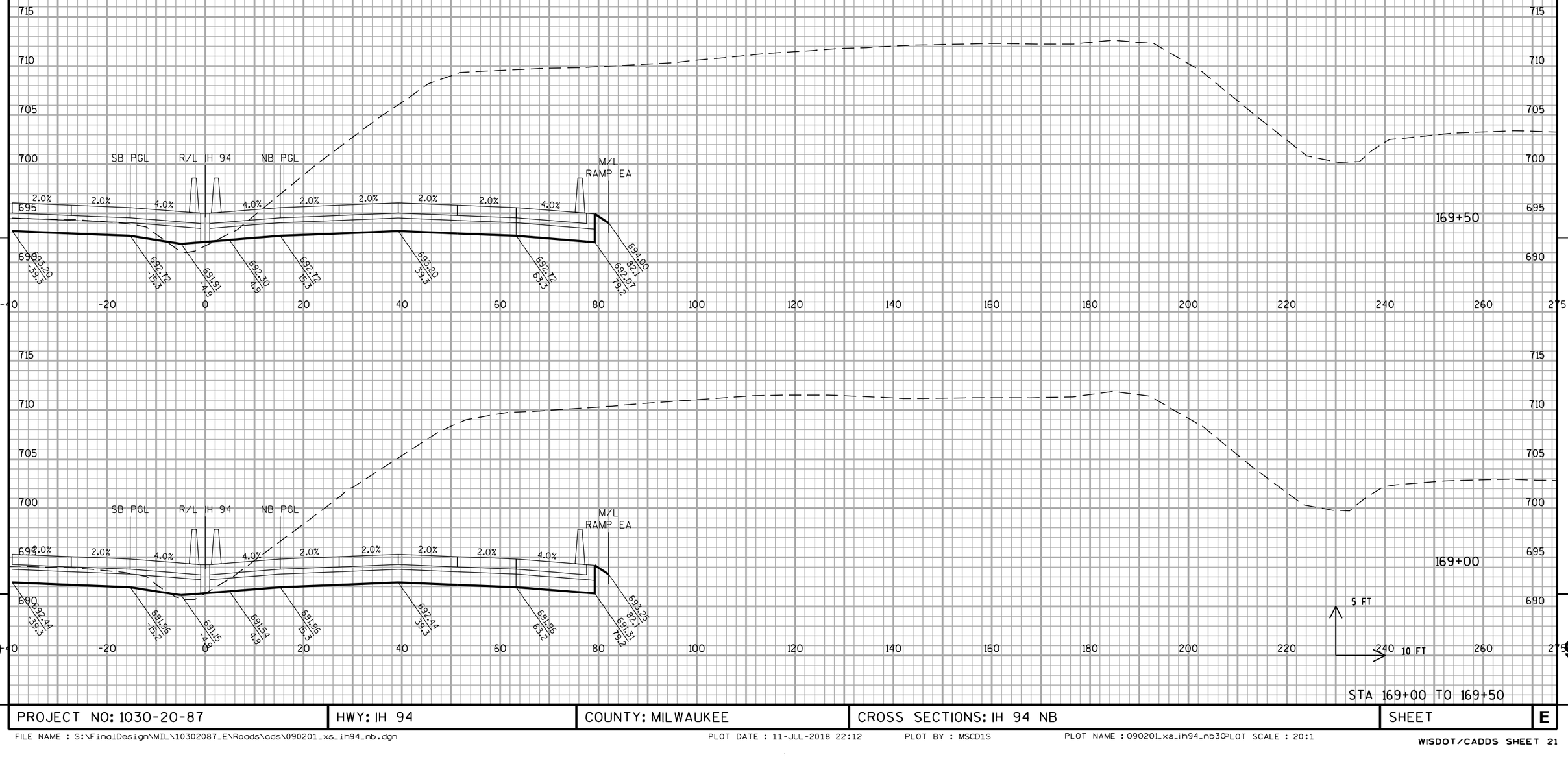
STA 168+00 TO 168+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 NB	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090201_xs_ih94_nb.dgn PLOT DATE : 11-JUL-2018 22:12 PLOT BY : MSCD1S PLOT NAME : 090201_xs_ih94_nb29 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 2



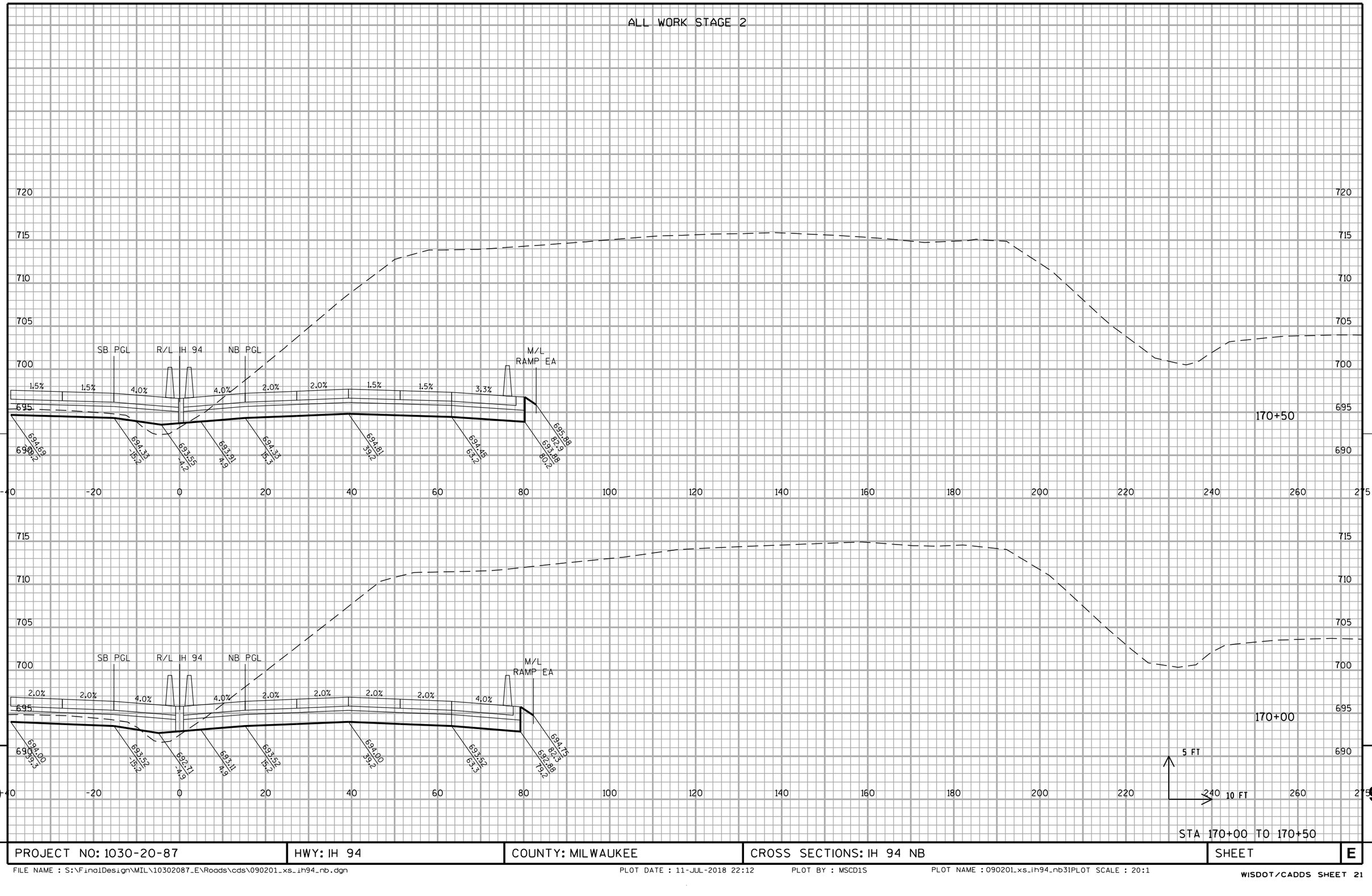
STA 169+00 TO 169+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 NB	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090201_xs_ih94_nb.dgn PLOT DATE : 11-JUL-2018 22:12 PLOT BY : MSCD1S PLOT NAME : 090201_xs_ih94_nb3 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 2



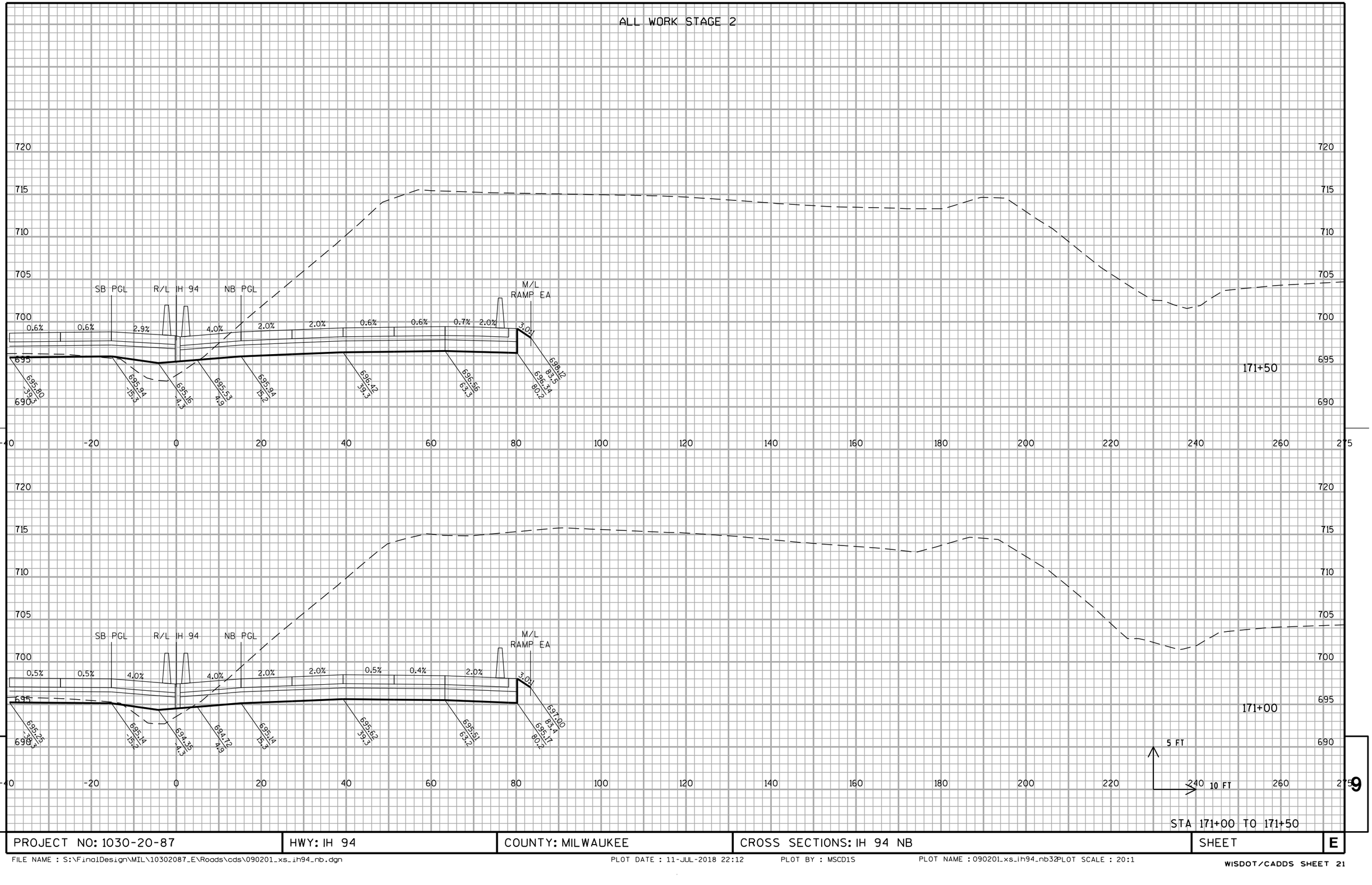
STA 170+00 TO 170+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 NB	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090201_xs_ih94_nb.dgn PLOT DATE : 11-JUL-2018 22:12 PLOT BY : MSCD1S PLOT NAME : 090201_xs_ih94_nb3IPLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

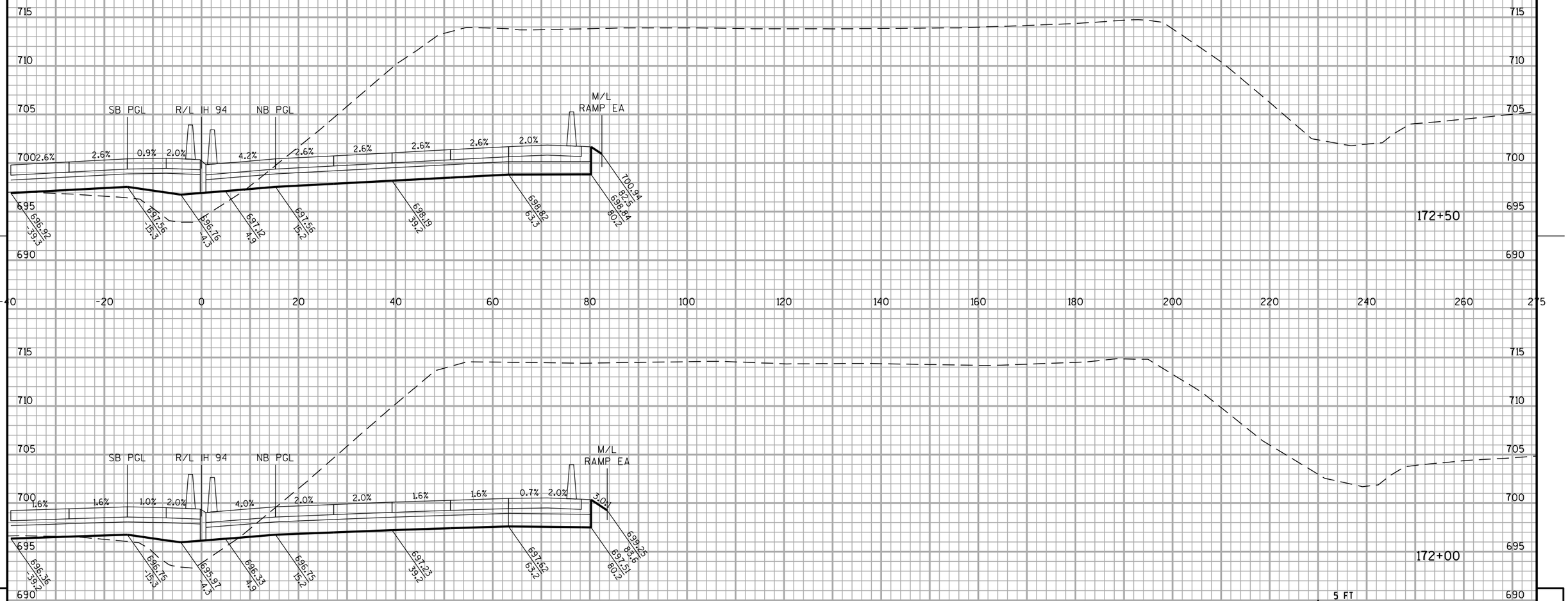
ALL WORK STAGE 2



STA 171+00 TO 171+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 NB	SHEET	E

ALL WORK STAGE 2



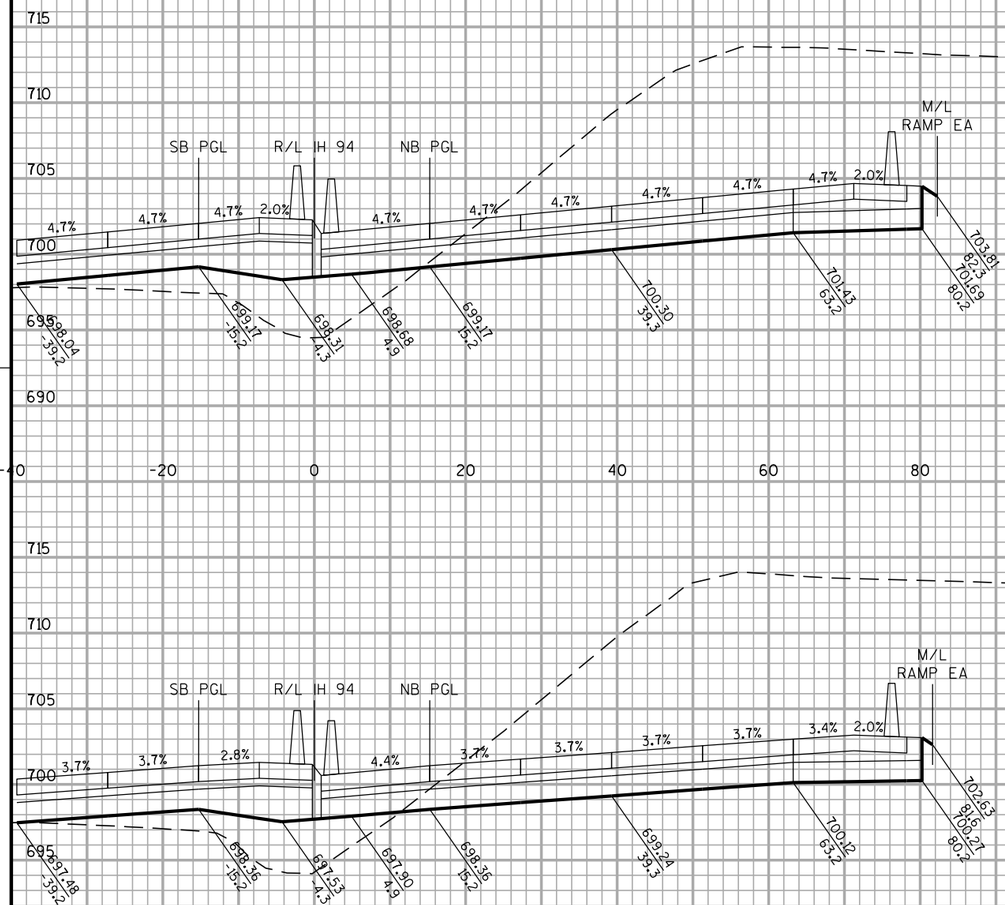
STA 172+00 TO 172+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 NB	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090201_xs_ih94_nb.dgn PLOT DATE : 11-JUL-2018 22:12 PLOT BY : MSCD1S PLOT NAME : 090201_xs_ih94_nb33 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

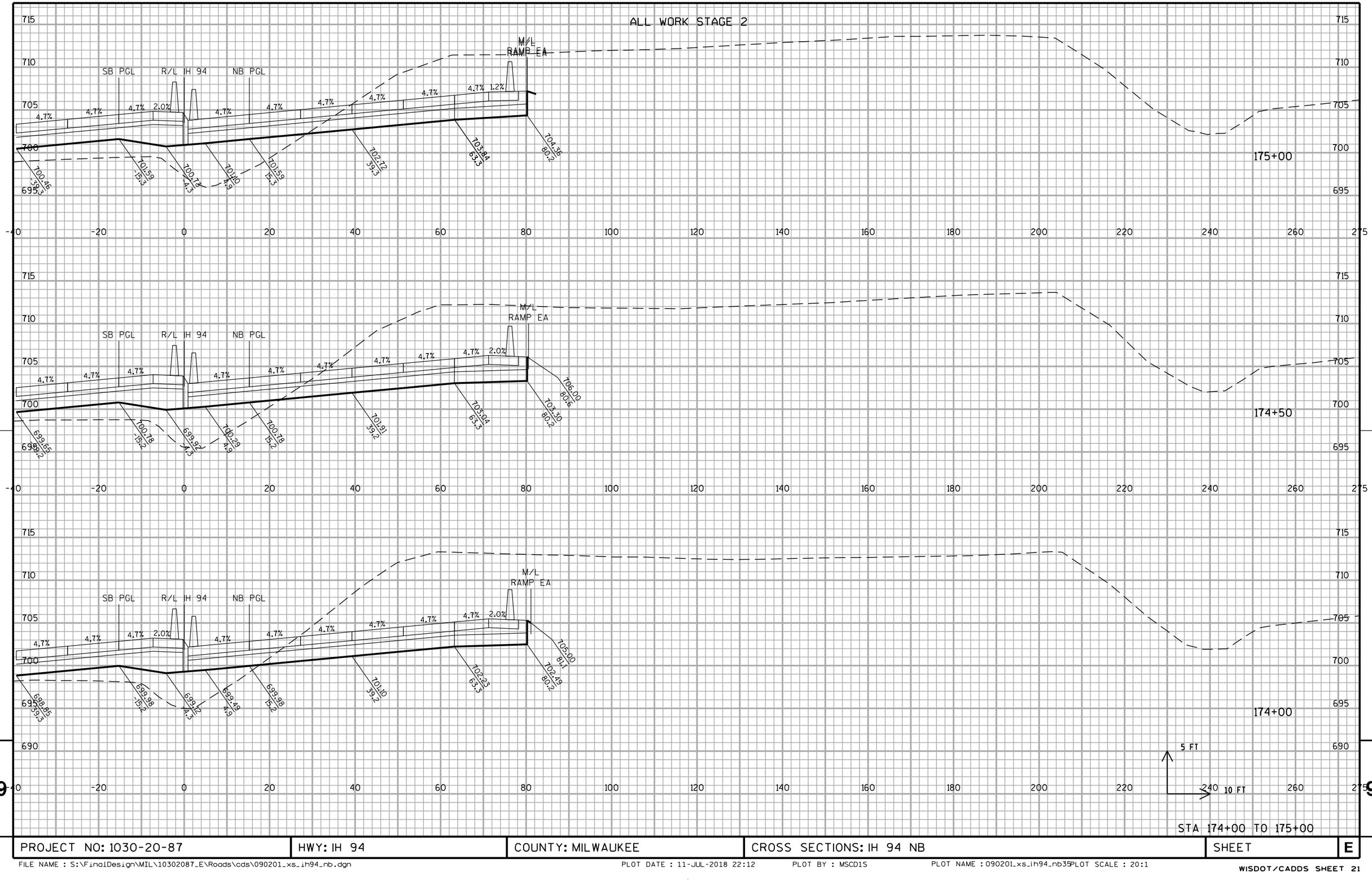
ALL WORK STAGE 2



STA 173+00 TO 173+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 NB	SHEET	E

ALL WORK STAGE 2

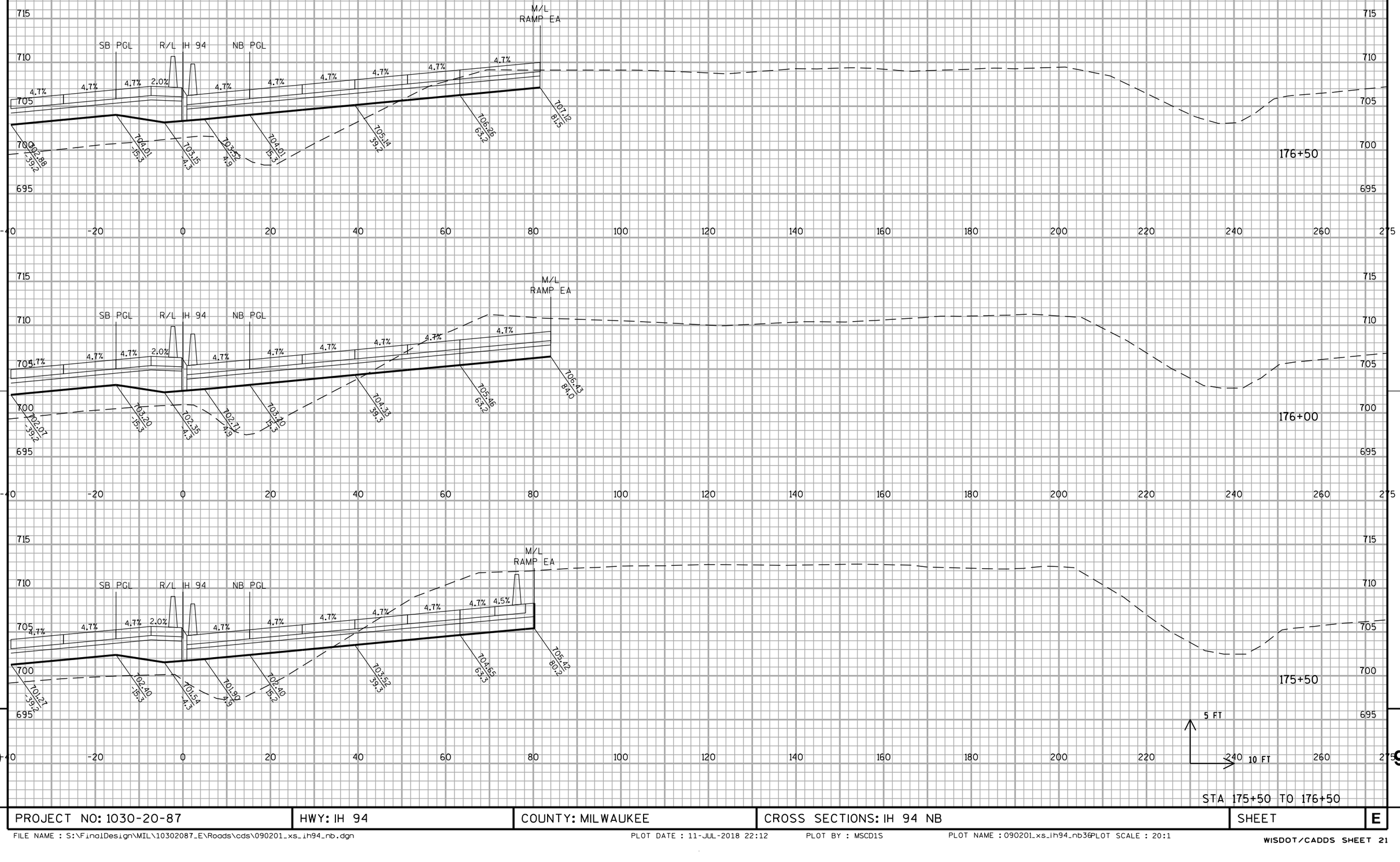


PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 NB	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090201_xs_ih94_nb.dgn PLOT DATE : 11-JUL-2018 22:12 PLOT BY : MSCD1S PLOT NAME : 090201_xs_ih94_nb35 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 2

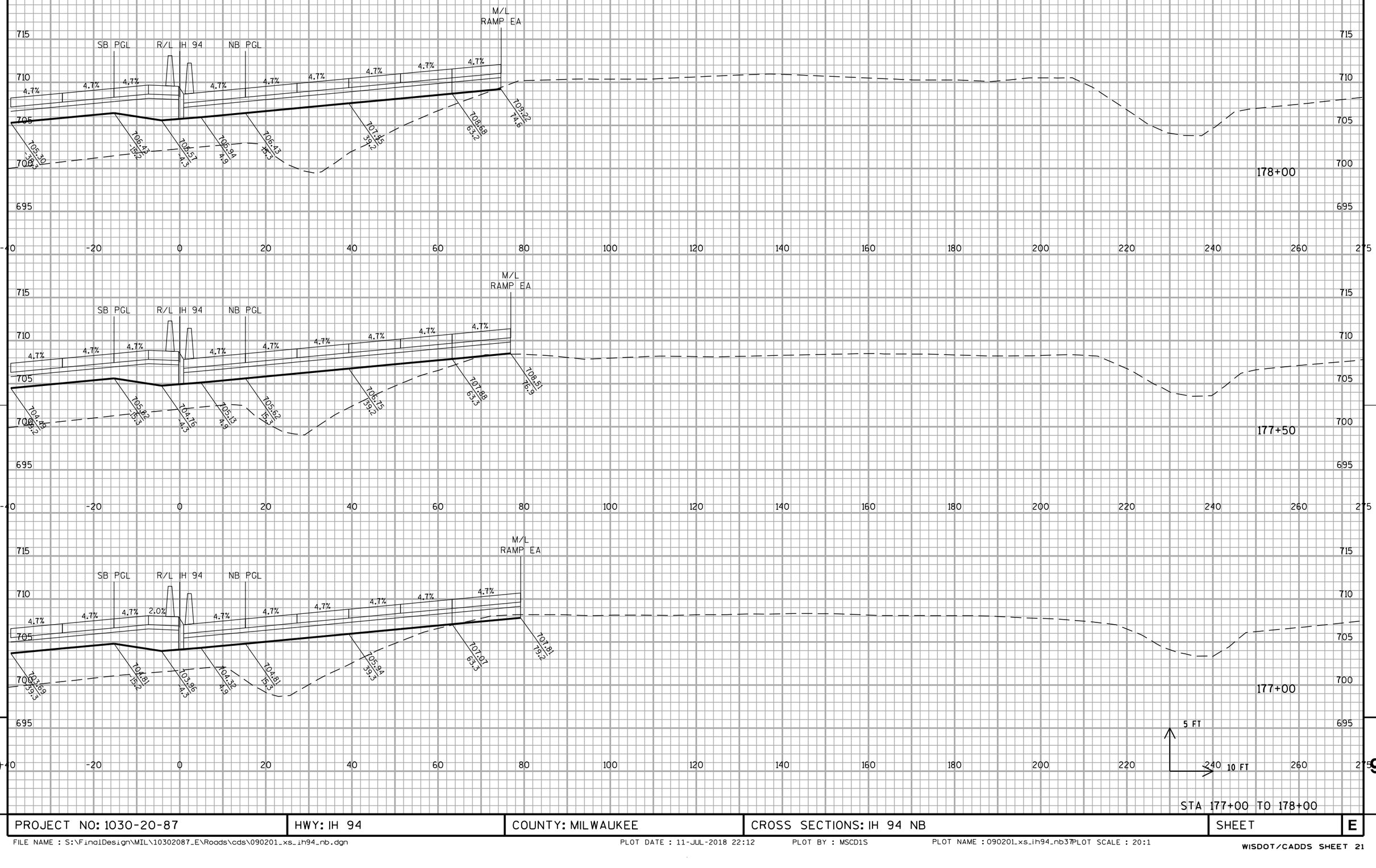


STA 175+50 TO 176+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 NB	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090201_xs_ih94_nb.dgn PLOT DATE : 11-JUL-2018 22:12 PLOT BY : MSCD1S PLOT NAME : 090201_xs_ih94_nb36PLOT SCALE : 20:1

ALL WORK STAGE 2



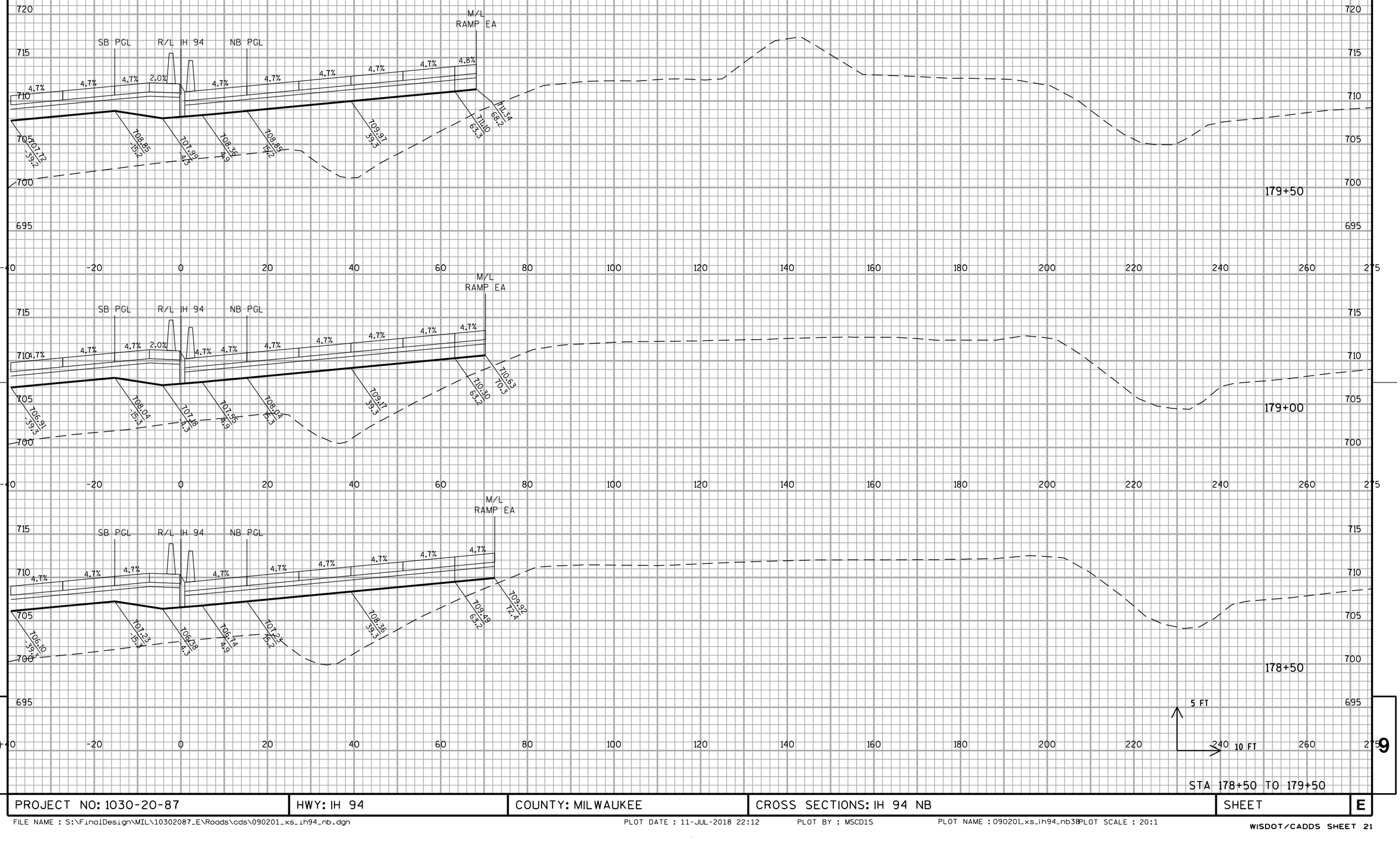
STA 177+00 TO 178+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 NB	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090201_xs_ih94_nb.dgn PLOT DATE : 11-JUL-2018 22:12 PLOT BY : MSCD1S PLOT NAME : 090201_xs_ih94_nb37 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

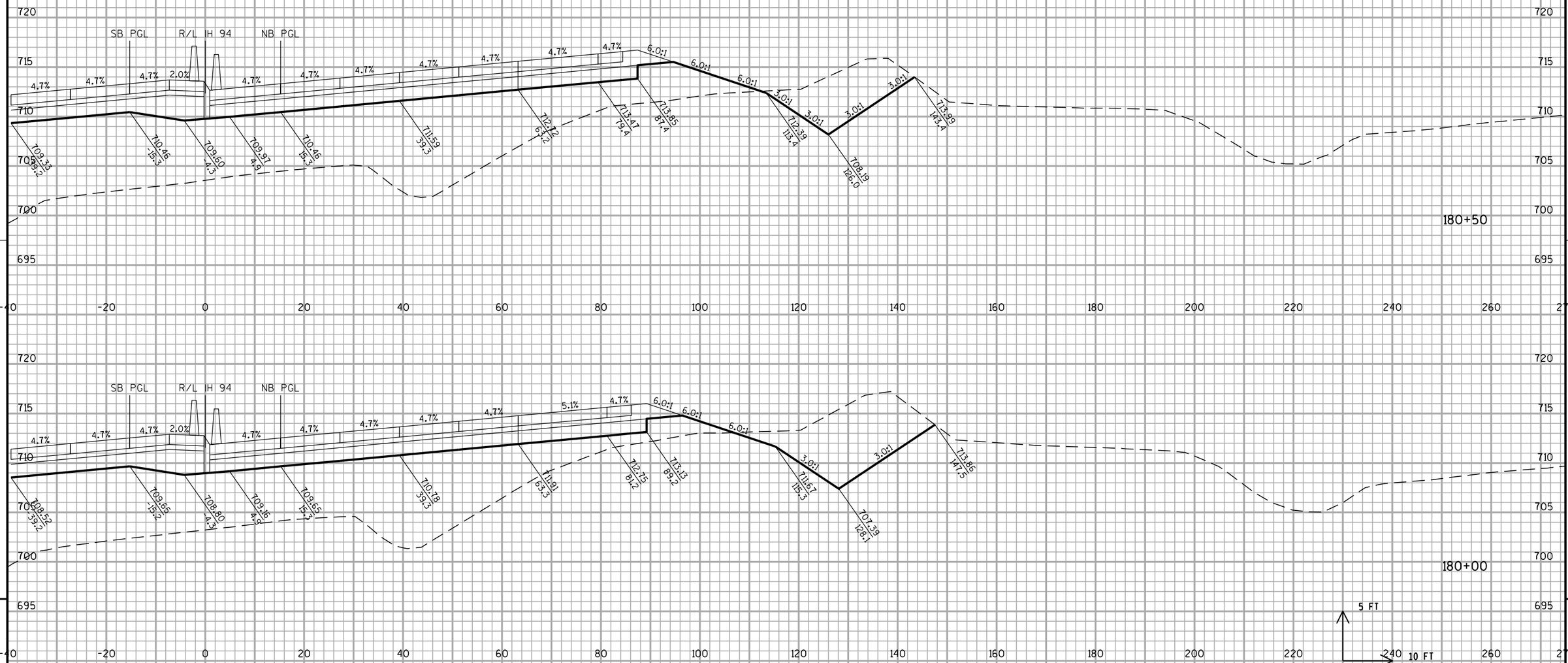
ALL WORK STAGE 2



STA 178+50 TO 179+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 NB	SHEET	E

ALL WORK STAGE 2

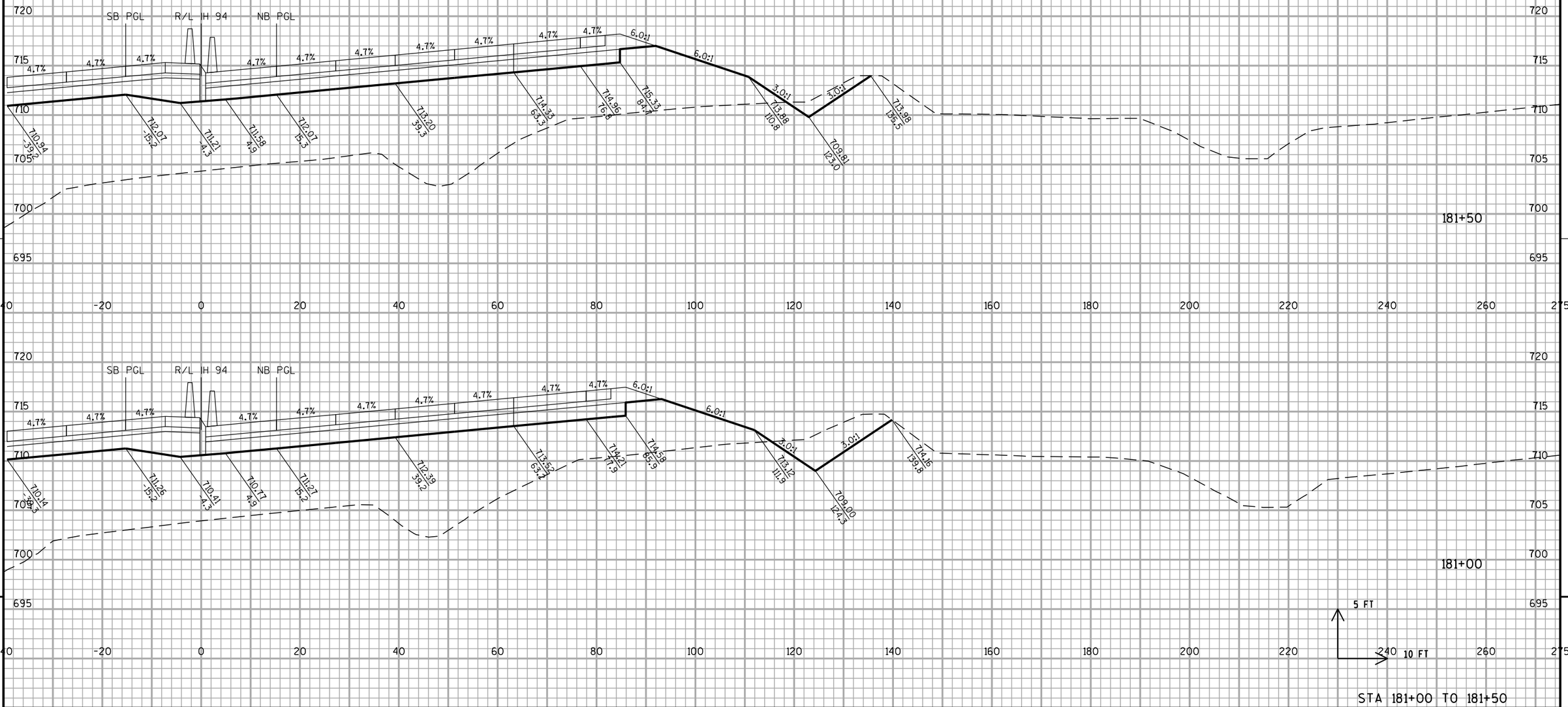


STA 180+00 TO 180+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 NB	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090201_xs_ih94_nb.dgn PLOT DATE : 11-JUL-2018 22:12 PLOT BY : MSCD1S PLOT NAME : 090201_xs_ih94_nb39PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

ALL WORK STAGE 2



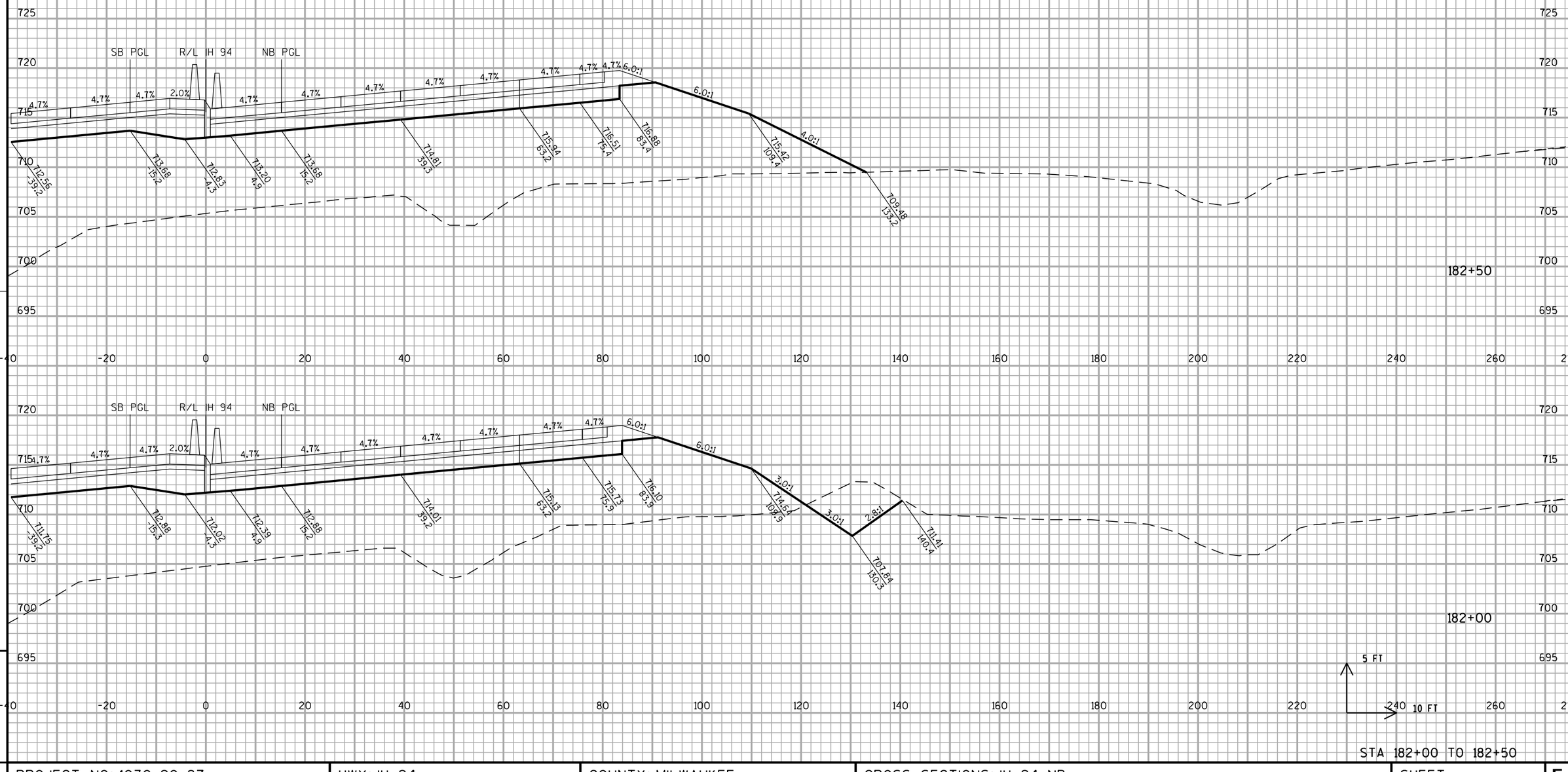
STA 181+00 TO 181+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 NB	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090201_xs_ih94_nb.dgn PLOT DATE : 11-JUL-2018 22:12 PLOT BY : MSCD1S PLOT NAME : 090201_xs_ih94_nb4 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

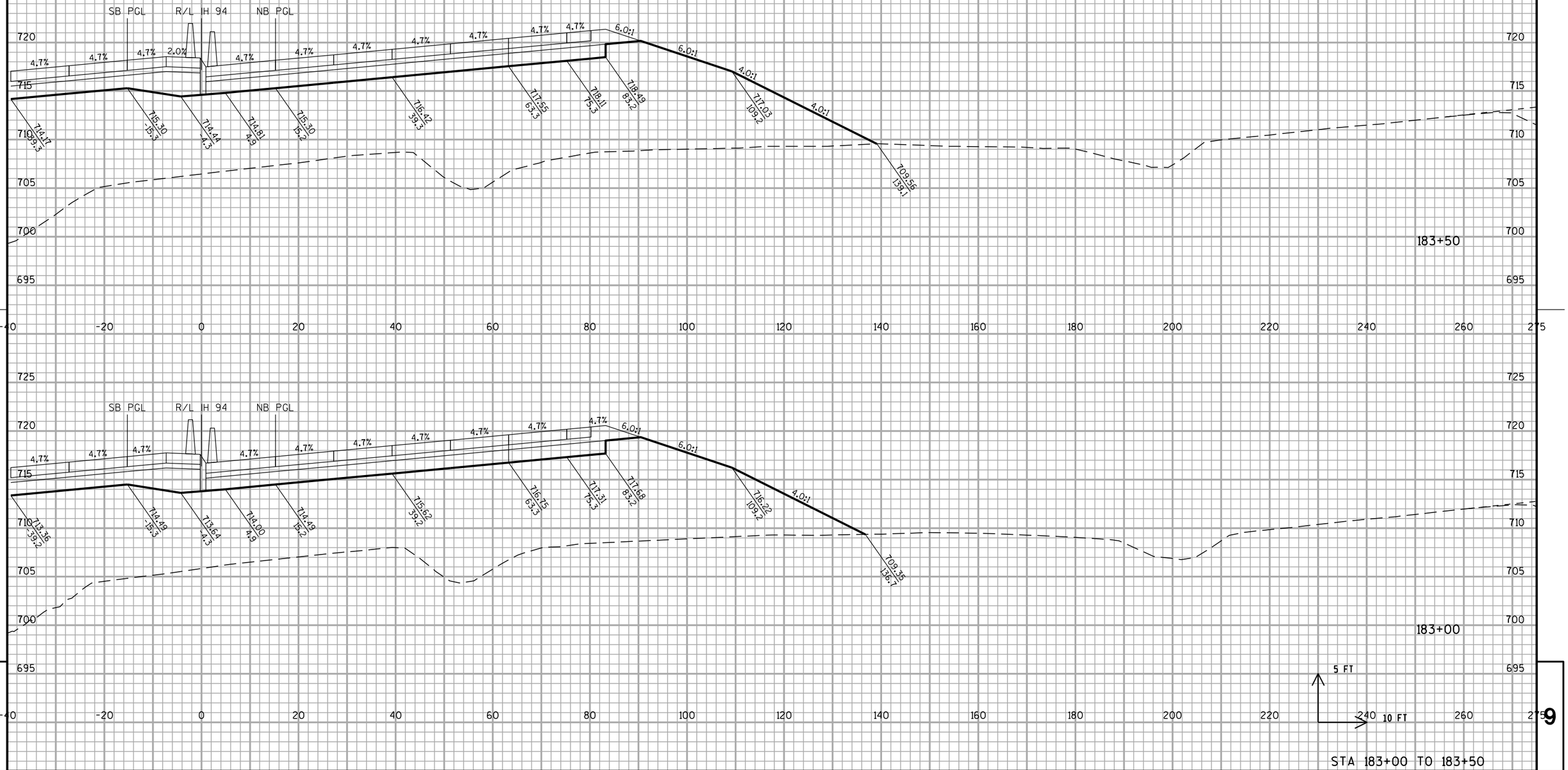
ALL WORK STAGE 2



PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 NB	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090201_xs_ih94_nb.dgn PLOT DATE : 11-JUL-2018 22:12 PLOT BY : MSCD1S PLOT NAME : 090201_xs_ih94_nb41PLOT SCALE : 20:1

ALL WORK STAGE 2

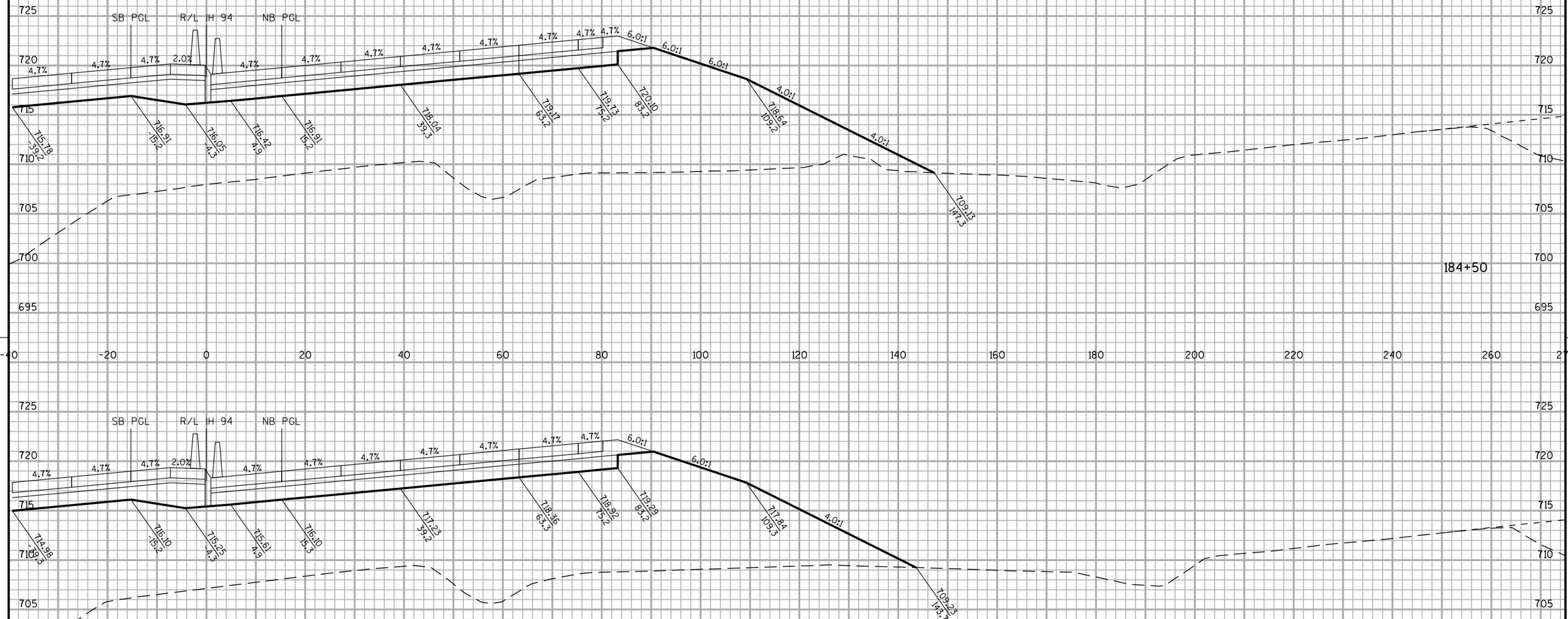


PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 NB	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090201_xs_ih94_nb.dgn PLOT DATE : 11-JUL-2018 22:12 PLOT BY : MSCD1S PLOT NAME : 090201_xs_ih94_nb42 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 2

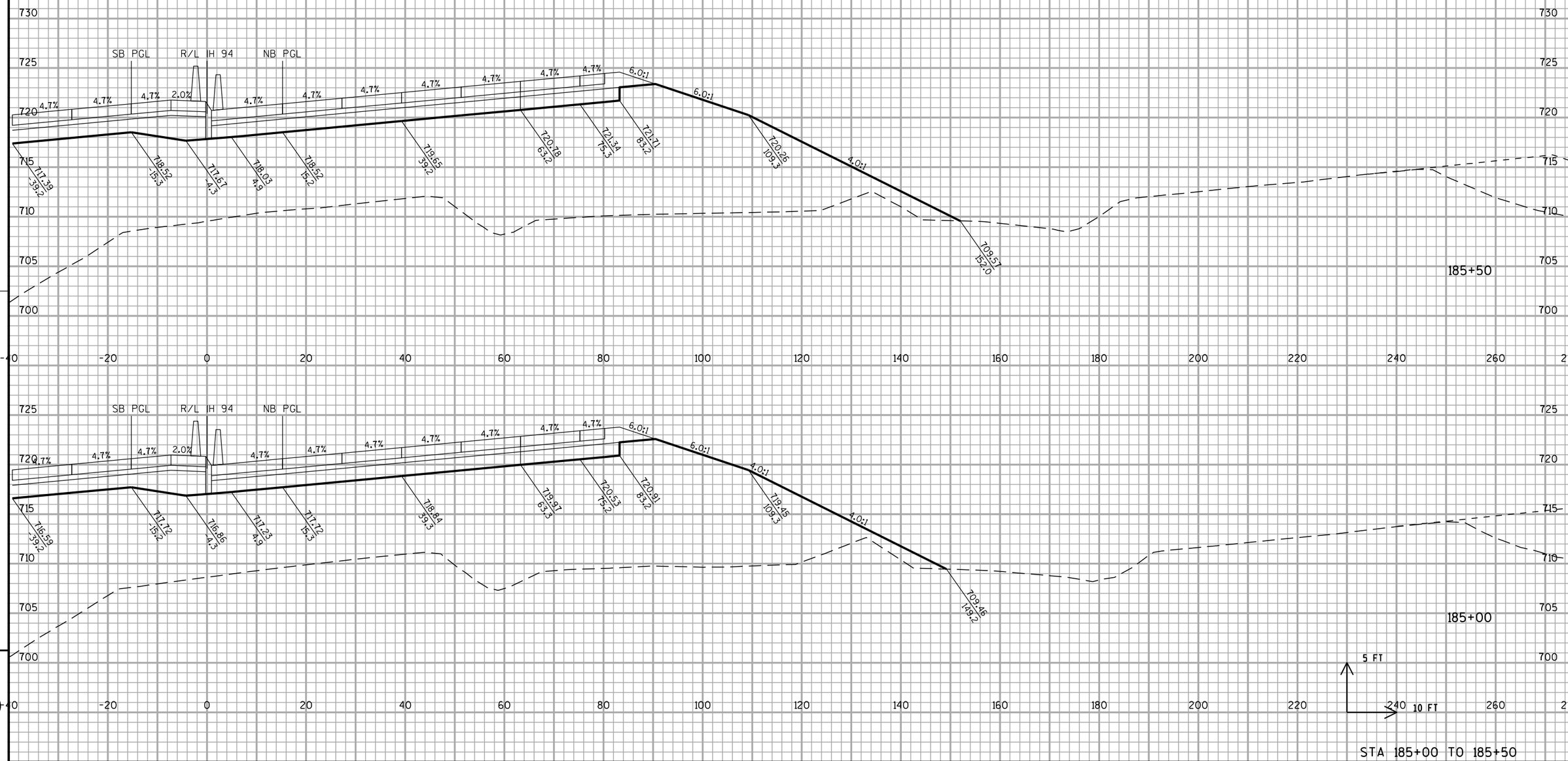


PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 NB	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090201_xs_ih94_nb.dgn PLOT DATE : 11-JUL-2018 22:12 PLOT BY : MSCD1S PLOT NAME : 090201_xs_ih94_nb43 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 2

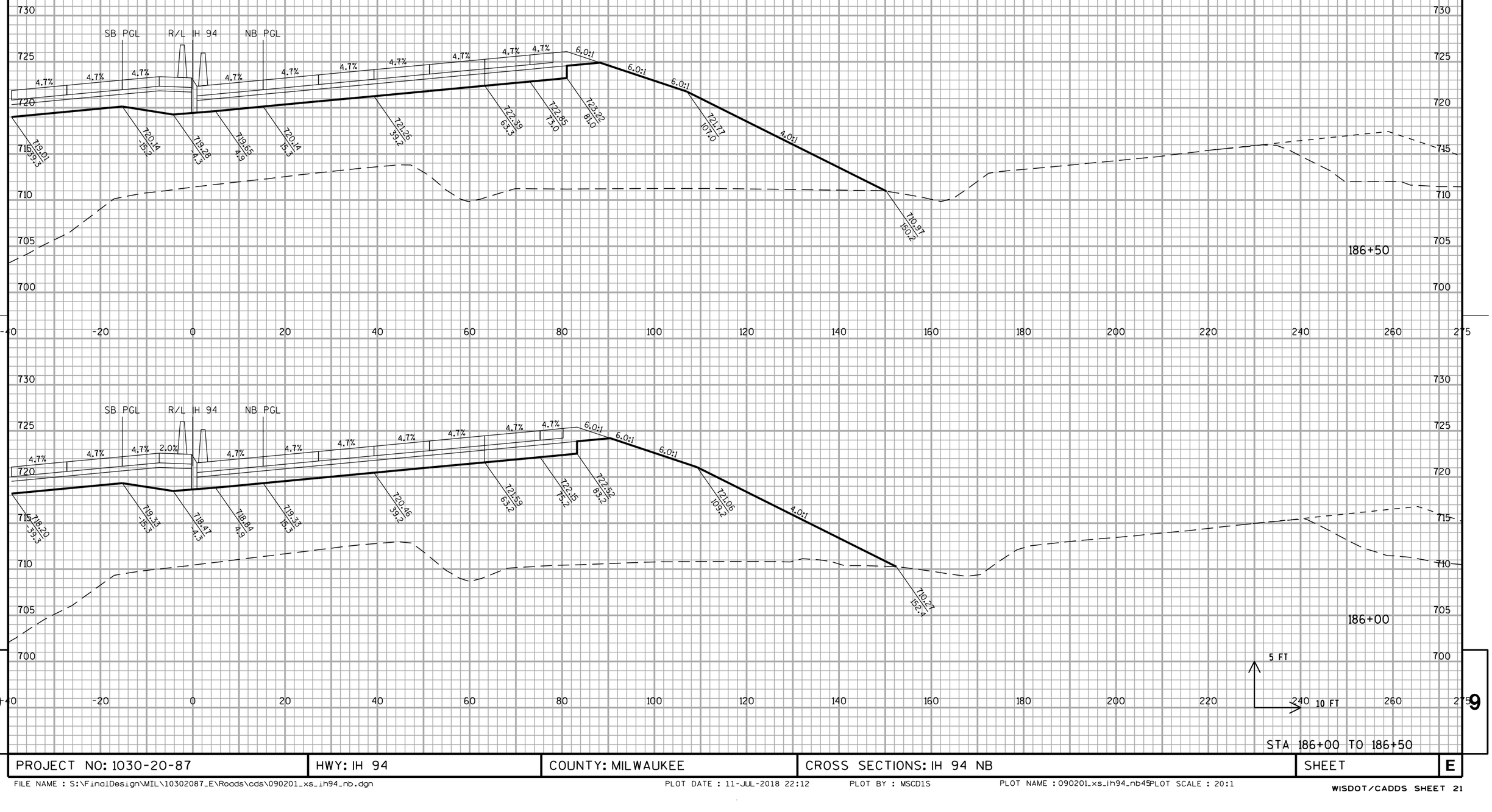


PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 NB	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090201_xs_ih94_nb.dgn PLOT DATE : 11-JUL-2018 22:12 PLOT BY : MSCD1S PLOT NAME : 090201_xs_ih94_nb44 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 2



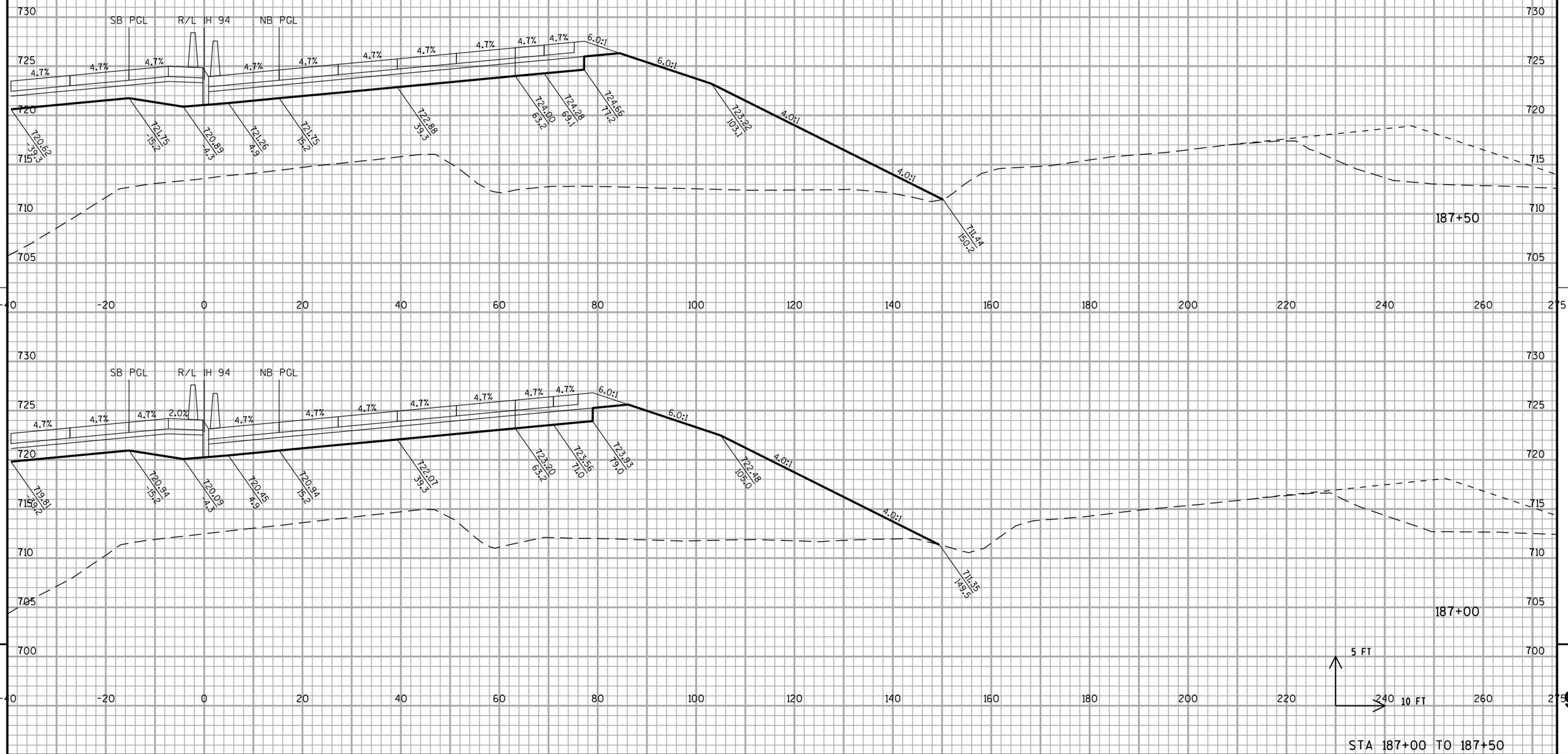
STA 186+00 TO 186+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 NB	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090201_xs_ih94_nb.dgn PLOT DATE : 11-JUL-2018 22:12 PLOT BY : MSCD1S PLOT NAME : 090201_xs_ih94_nb45PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 2

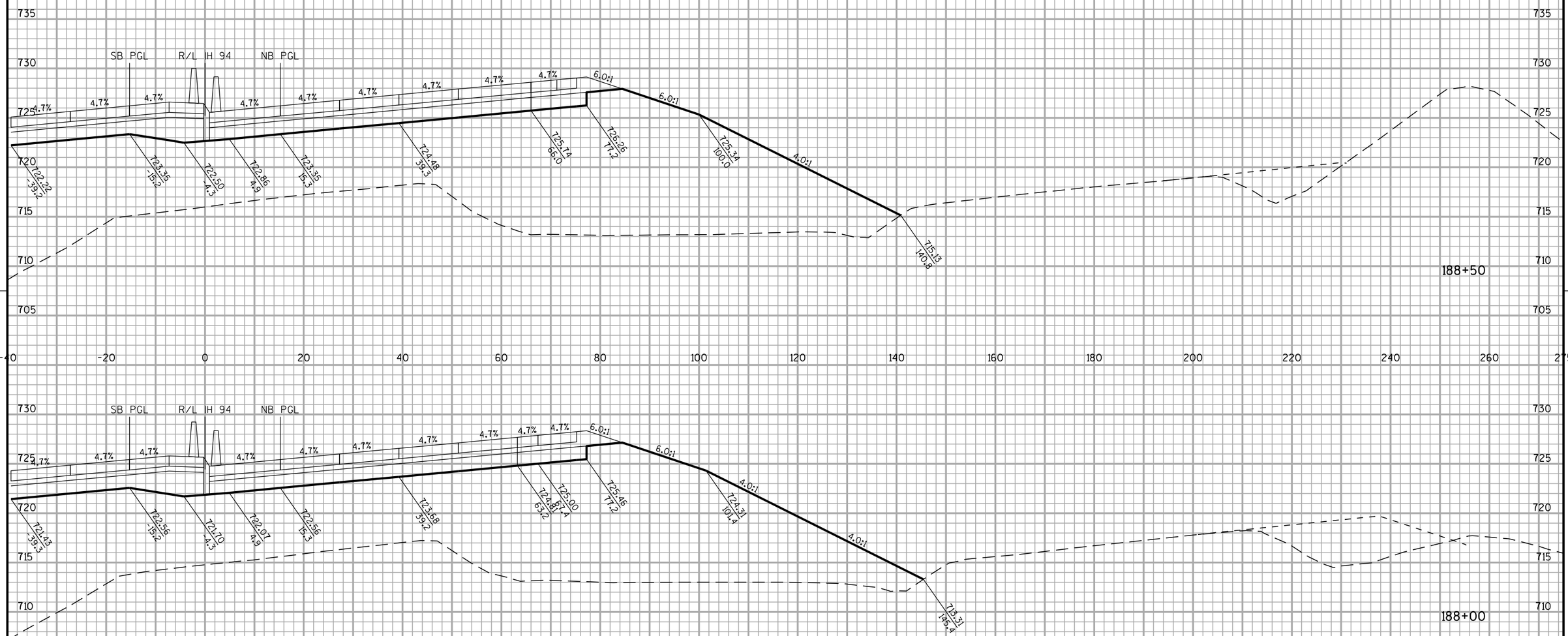


STA 187+00 TO 187+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 NB	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090201_xs_ih94_nb.dgn PLOT DATE : 11-JUL-2018 22:12 PLOT BY : MSCD1S PLOT NAME : 090201_xs_ih94_nb46PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

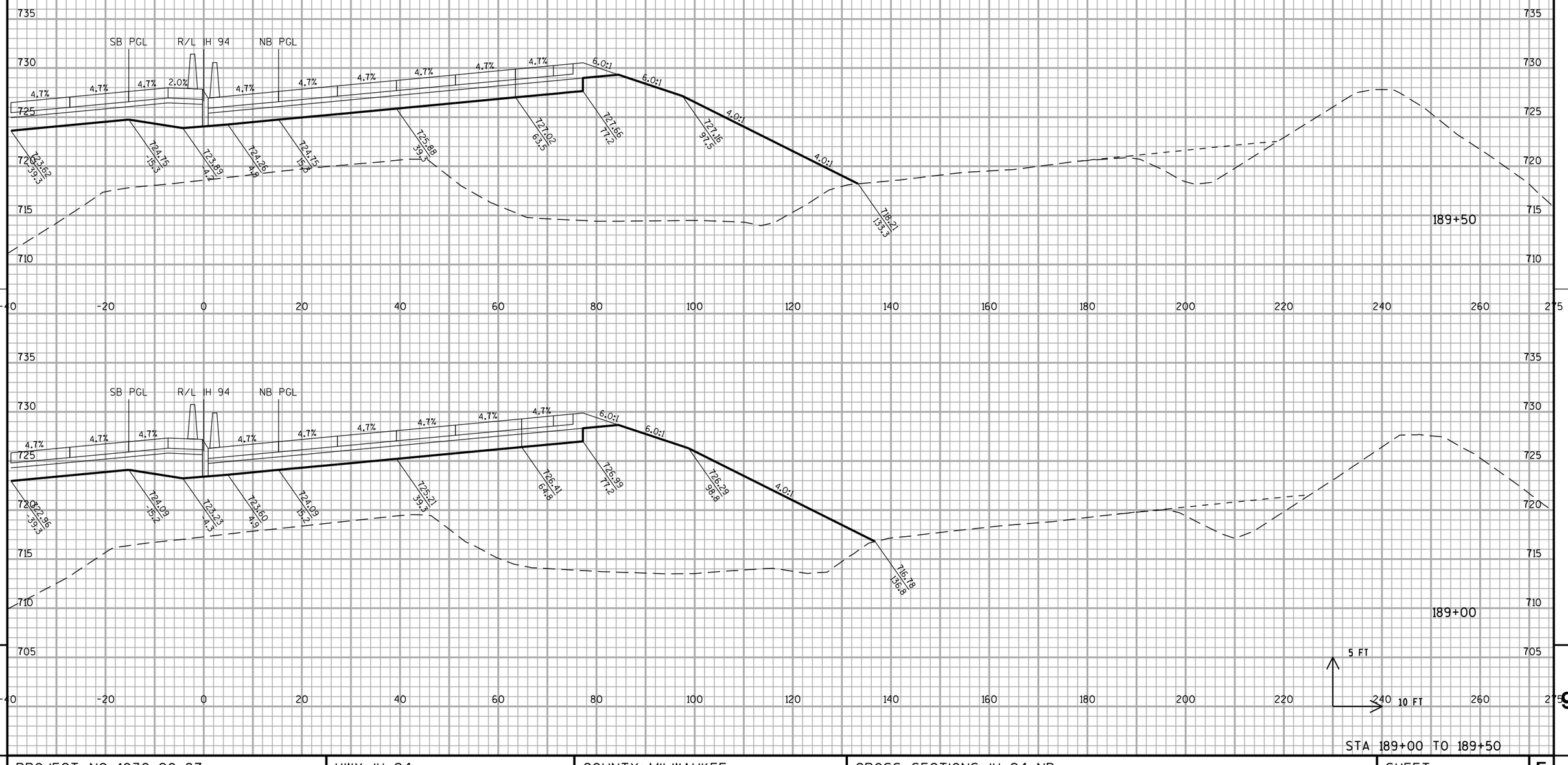
ALL WORK STAGE 2



STA 188+00 TO 188+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 NB	SHEET	E

ALL WORK STAGE 2



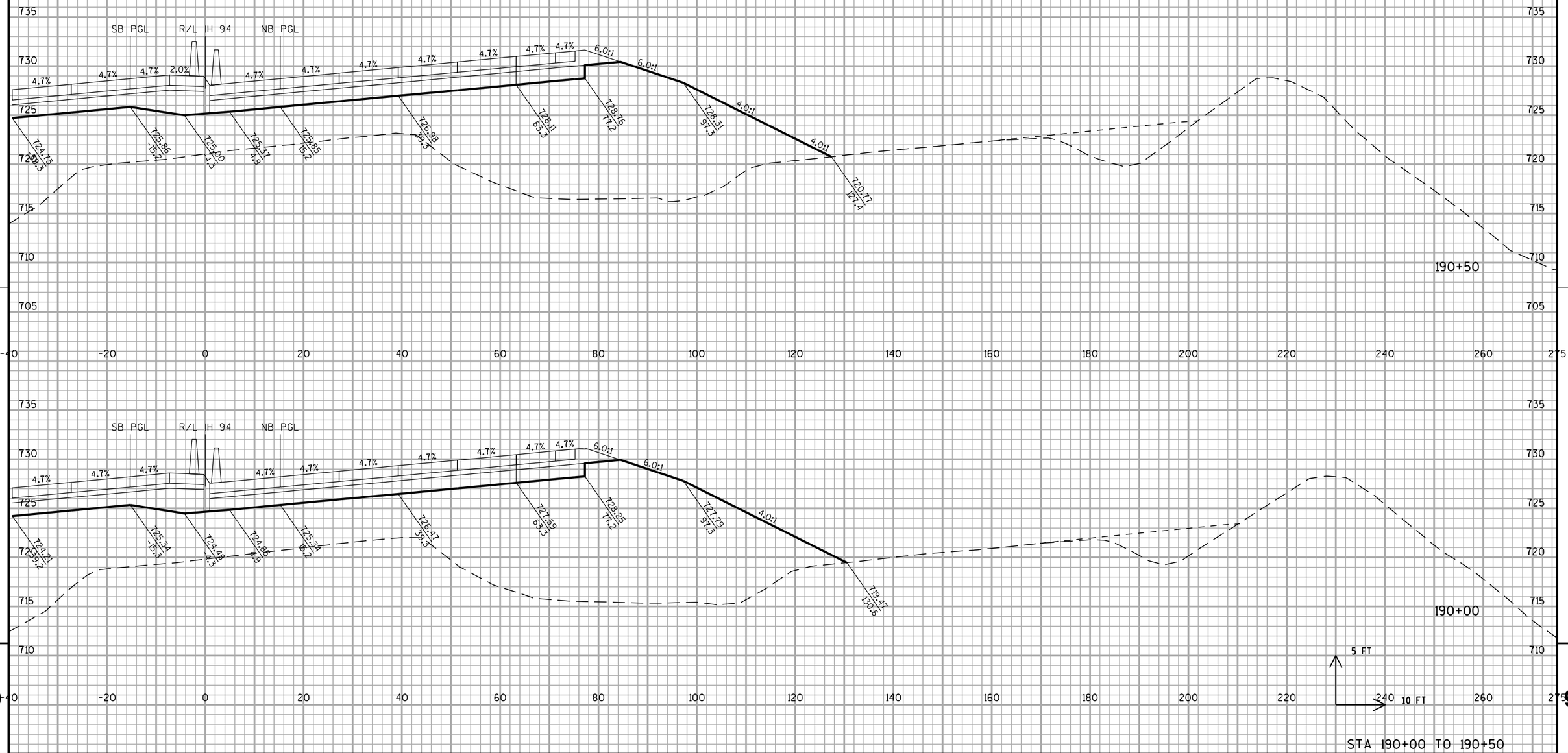
STA 189+00 TO 189+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 NB	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090201_xs_ih94_nb.dgn PLOT DATE : 11-JUL-2018 22:12 PLOT BY : MSCD1S PLOT NAME : 090201_xs_ih94_nb48 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 2



STA 190+00 TO 190+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 NB	SHEET	E

STAGE 2 ← → STAGE 4

SB PGL R/L IH 94 NB PGL

4.7% 4.7% 4.7% 2.0% 4.7% 4.7% 4.7% 4.7% 4.7% 4.7% 6.0:1 6.0:1 4.0:1

725.54 726.67 725.82 726.18 726.67 727.80 728.93 729.74 729.89 723.30
-39.3 -15.2 4.5 4.9 15.2 39.5 63.2 80.8 97.2 123.6

735 730 725 720 715 710 705

-40 -20 0 20 40 60 80 100 120 140 160 180 200 220 240 260 275

191+50

EXIST. R/W

ALL WORK STAGE 2

SB PGL R/L IH 94 NB PGL

4.7% 4.7% 4.7% 4.7% 4.7% 4.7% 4.7% 4.7% 4.7% 4.7% 6.0:1 6.0:1 4.0:1

725.17 726.39 725.44 725.81 726.30 727.43 728.56 729.22 728.81 722.10
-39.2 -15.2 4.3 4.9 15.3 39.3 63.3 77.5 97.3 124.1

735 730 725 720 715 710 705

-40 -20 0 20 40 60 80 100 120 140 160 180 200 220 240 260 275

191+00

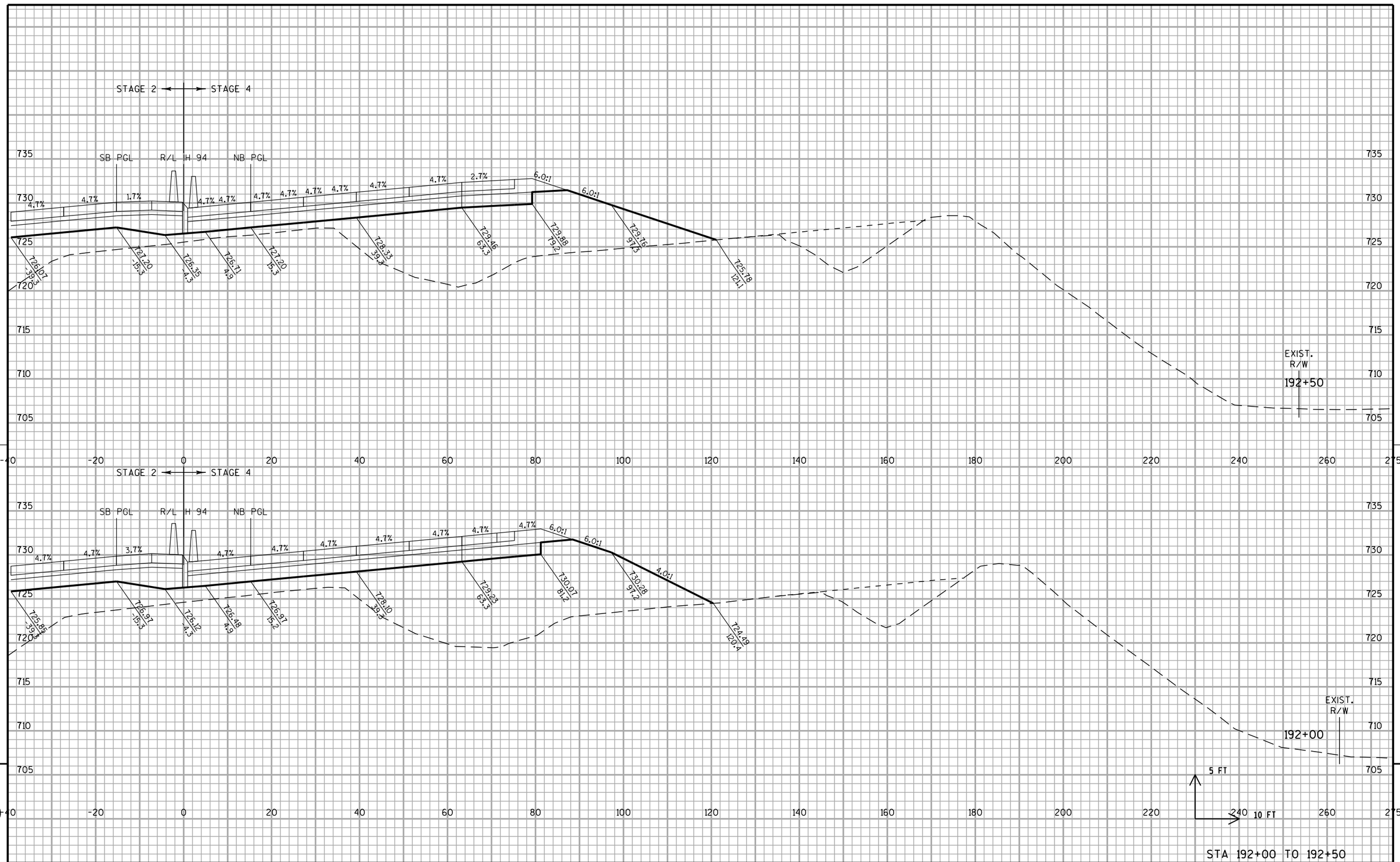
5 FT

10 FT

STA 191+00 TO 191+50

9 9

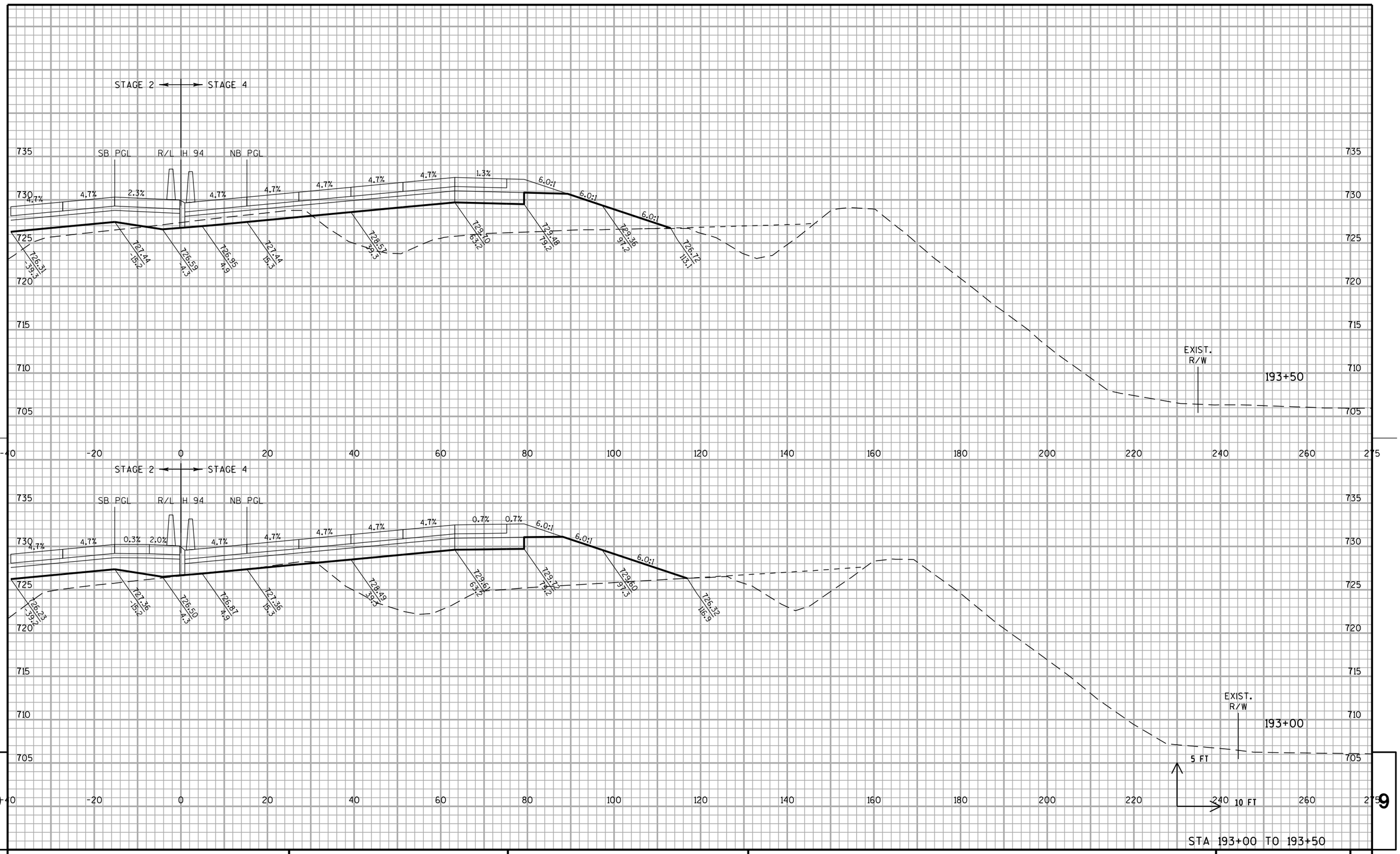
PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 NB	SHEET	E



PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 NB	SHEET	E

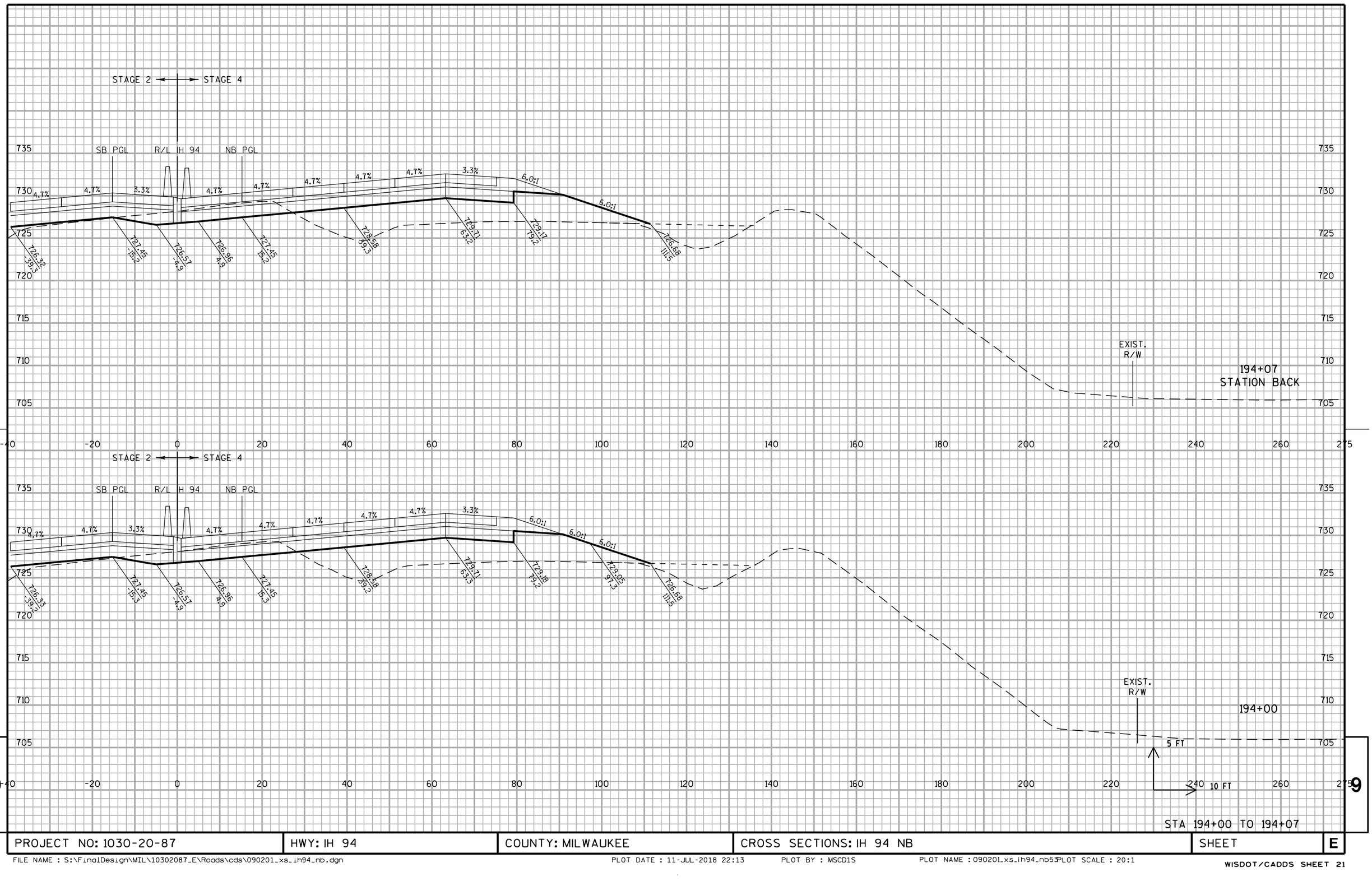
FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090201_xs_ih94_nb.dgn PLOT DATE : 11-JUL-2018 22:12 PLOT BY : MSCD1S PLOT NAME : 090201_xs_ih94_nb51PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



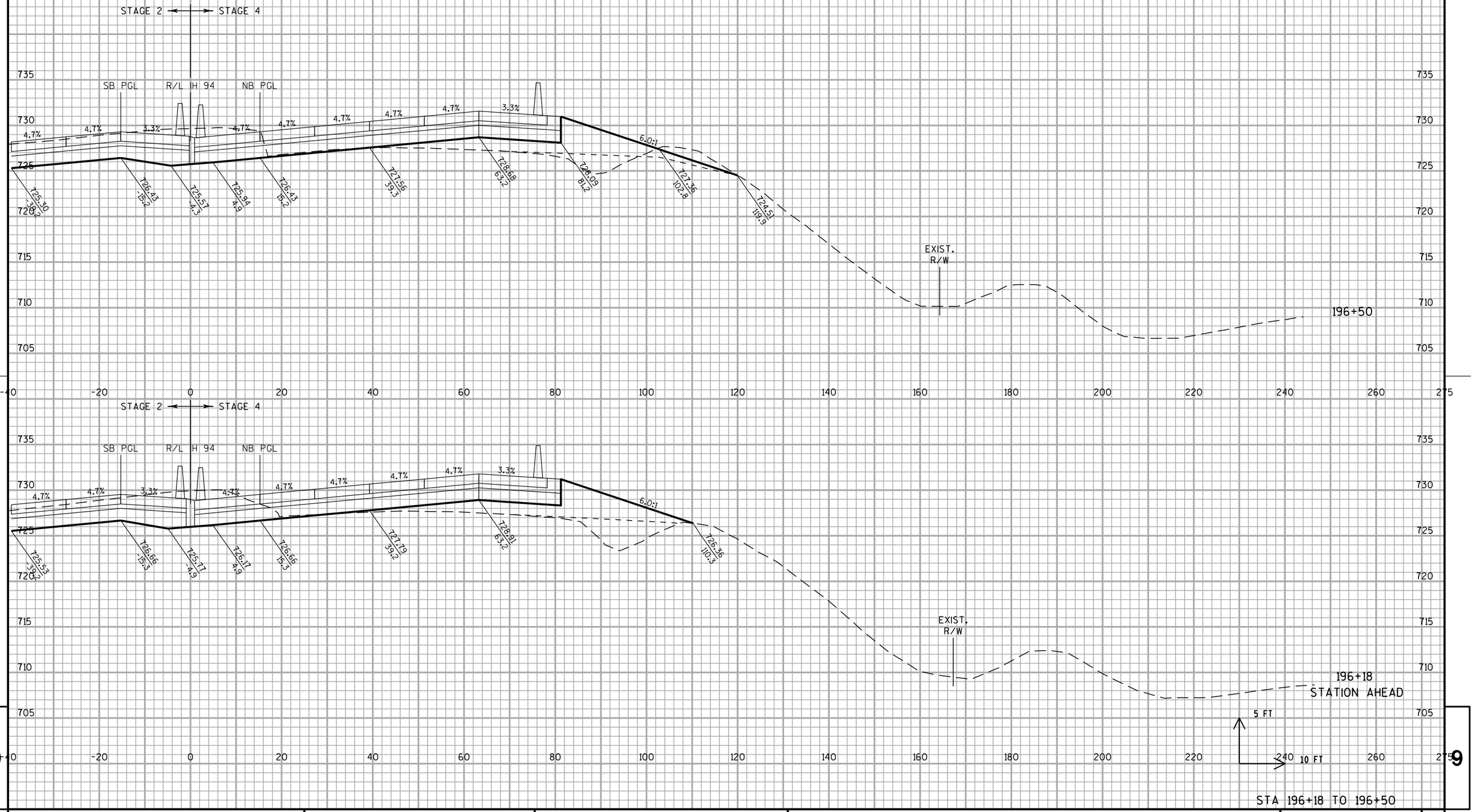
PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 NB	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090201_xs_ih94_nb.dgn PLOT DATE : 11-JUL-2018 22:12 PLOT BY : MSCD1S PLOT NAME : 090201_xs_ih94_nb52PLOT SCALE : 20:1



STA 194+00 TO 194+07

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 NB	SHEET	E

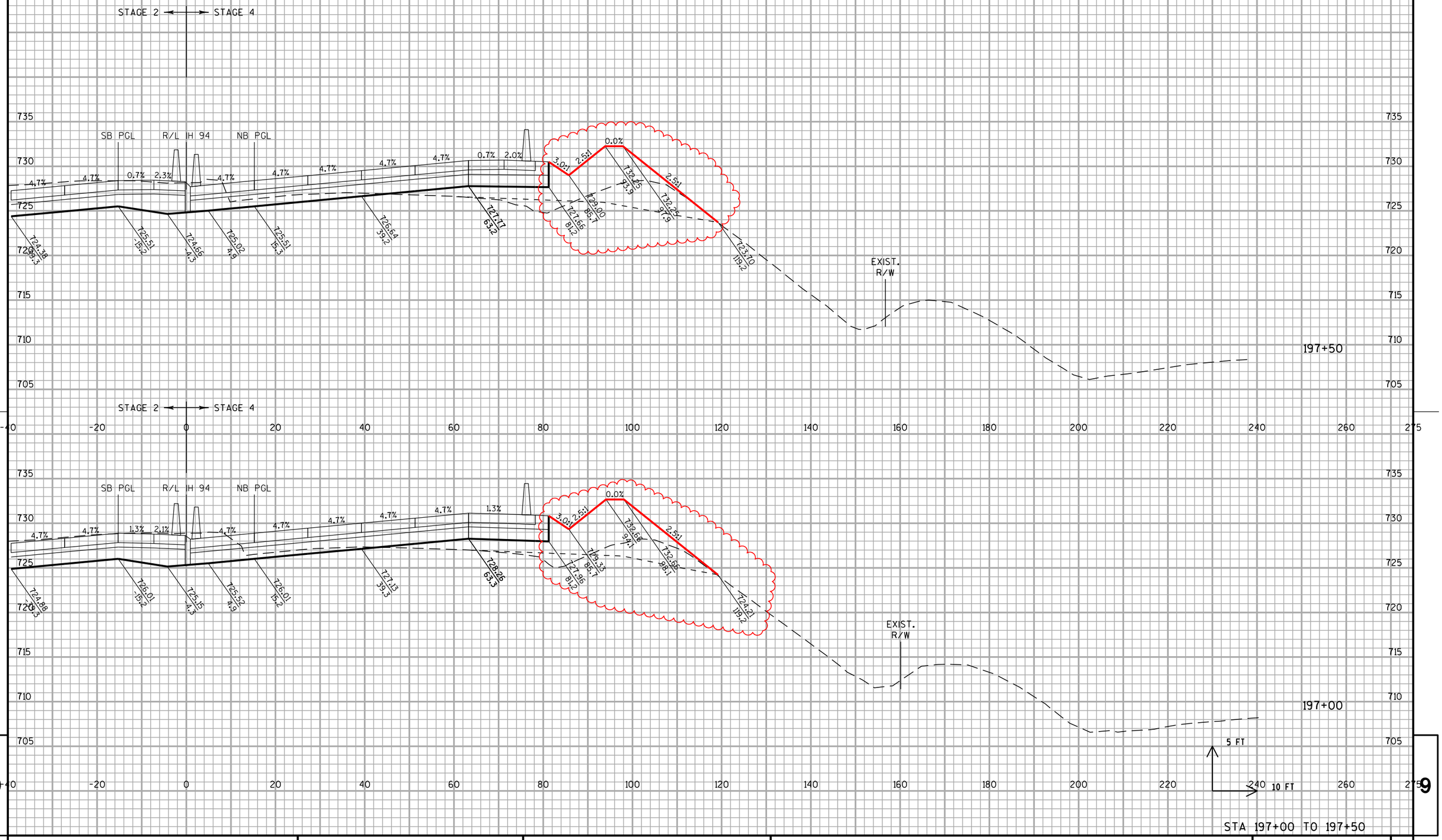


STA 196+18 TO 196+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 NB	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090201_xs_ih94_nb.dgn PLOT DATE : 11-JUL-2018 22:13 PLOT BY : MSCD1S PLOT NAME : 090201_xs_ih94_nb54 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

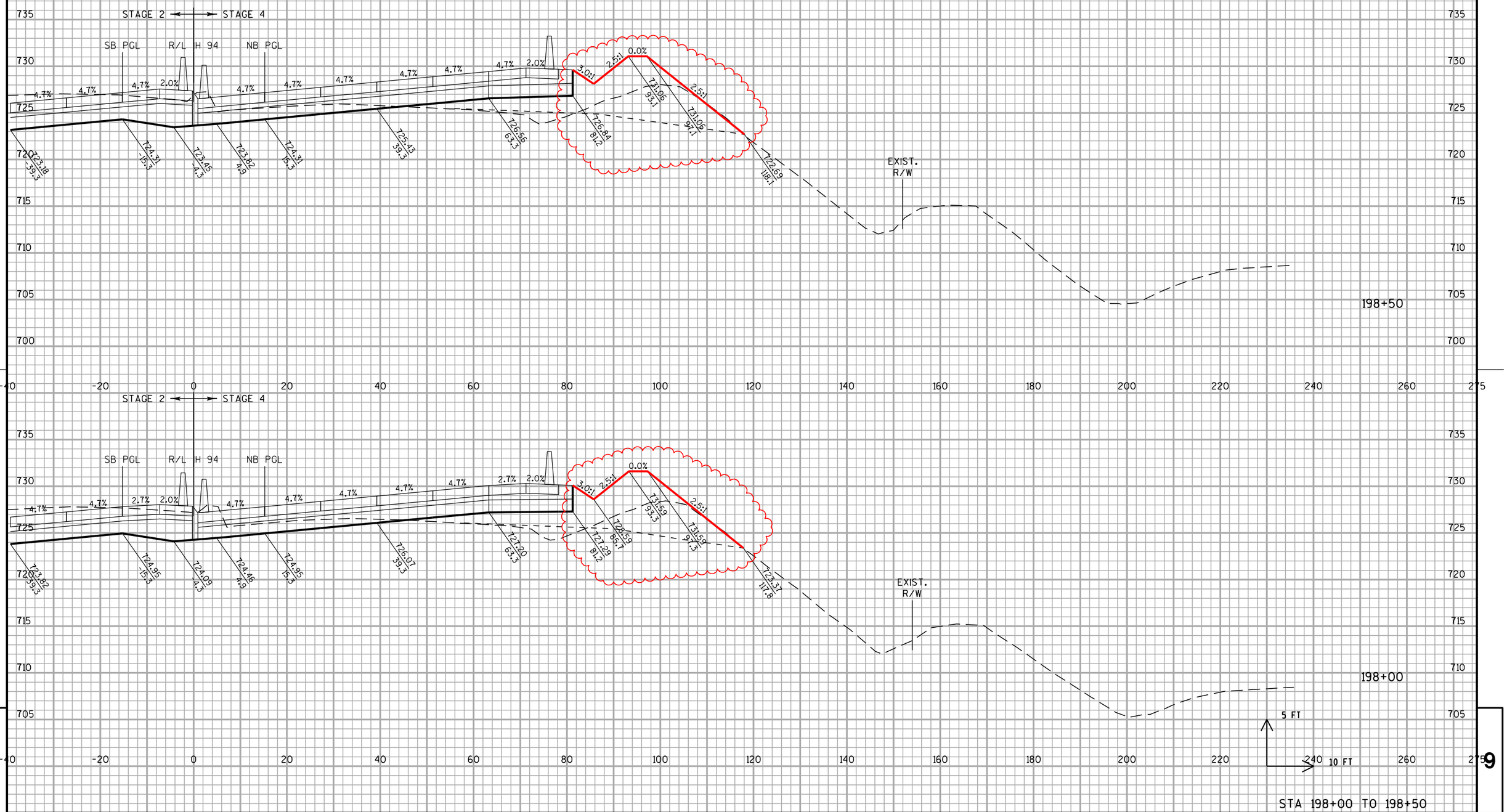


STA 197+00 TO 197+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 NB	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090201_xs_ih94_nb.dgn PLOT DATE : 11-JUL-2018 22:13 PLOT BY : MSCD1S PLOT NAME : 090201_xs_ih94_nb55 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



STA 198+00 TO 198+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 NB	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090201_xs_ih94_nb.dgn PLOT DATE : 11-JUL-2018 22:13 PLOT BY : MSCD1S PLOT NAME : 090201_xs_ih94_nb56 PLOT SCALE : 20:1

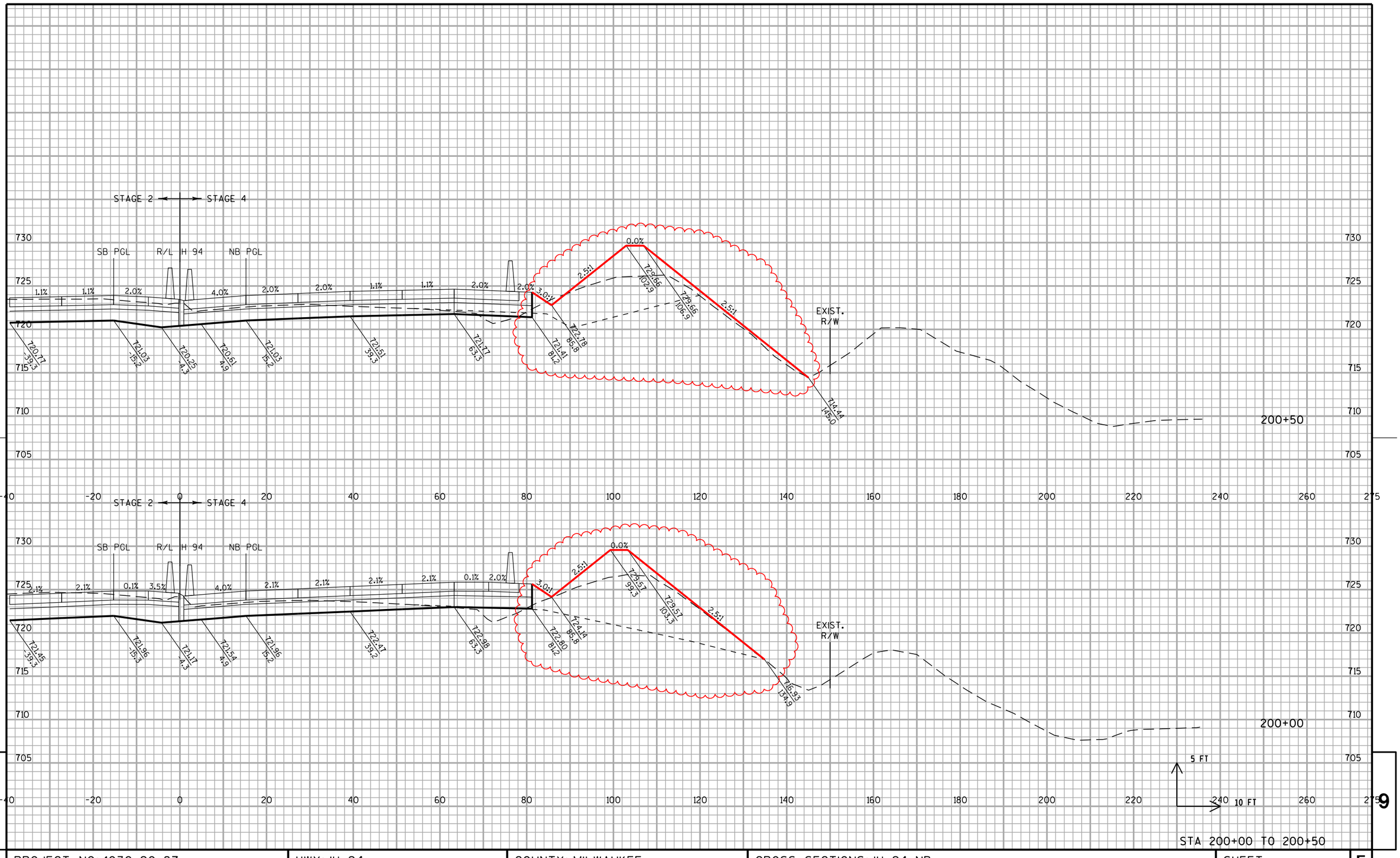
WISDOT/CADDS SHEET 21



PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 NB	SHEET	E

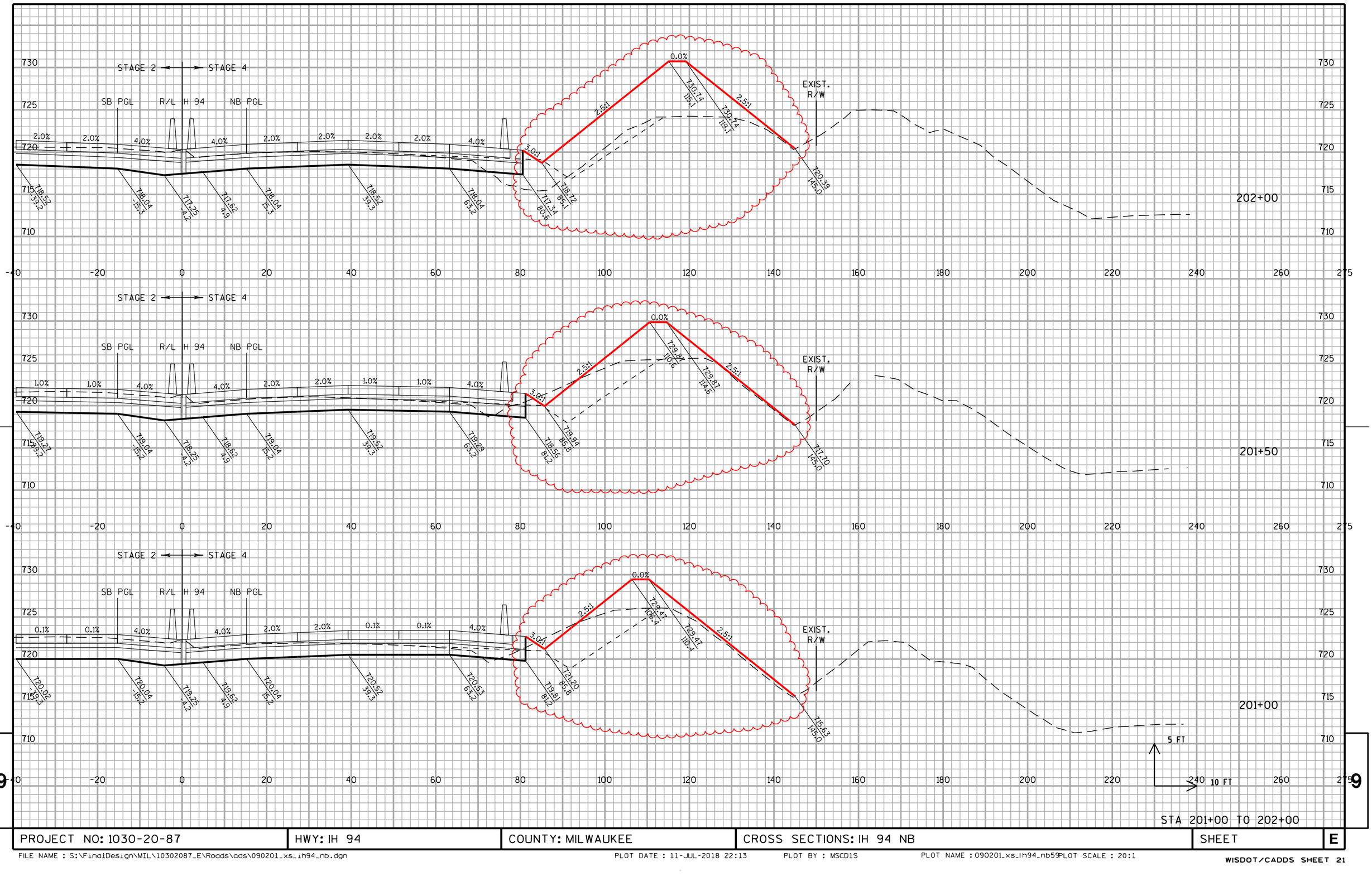
FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090201_xs_ih94_nb.dgn PLOT DATE : 11-JUL-2018 22:13 PLOT BY : MSCD1S PLOT NAME : 090201_xs_ih94_nb57PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 NB	SHEET	E

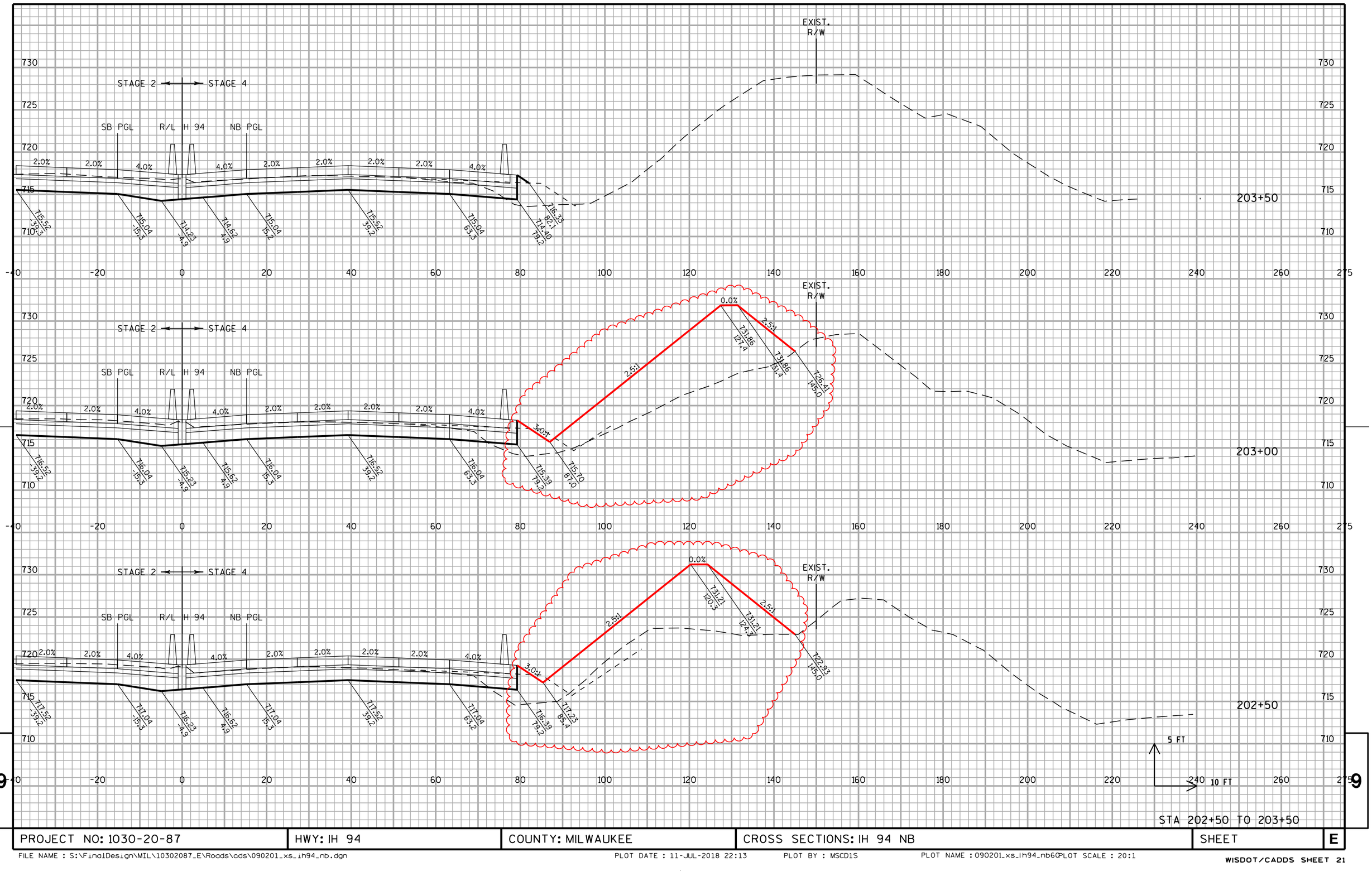
FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090201_xs_ih94_nb.dgn PLOT DATE : 11-JUL-2018 22:13 PLOT BY : MSCD1S PLOT NAME : 090201_xs_ih94_nb58 PLOT SCALE : 20:1



STA 201+00 TO 202+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 NB	SHEET	E

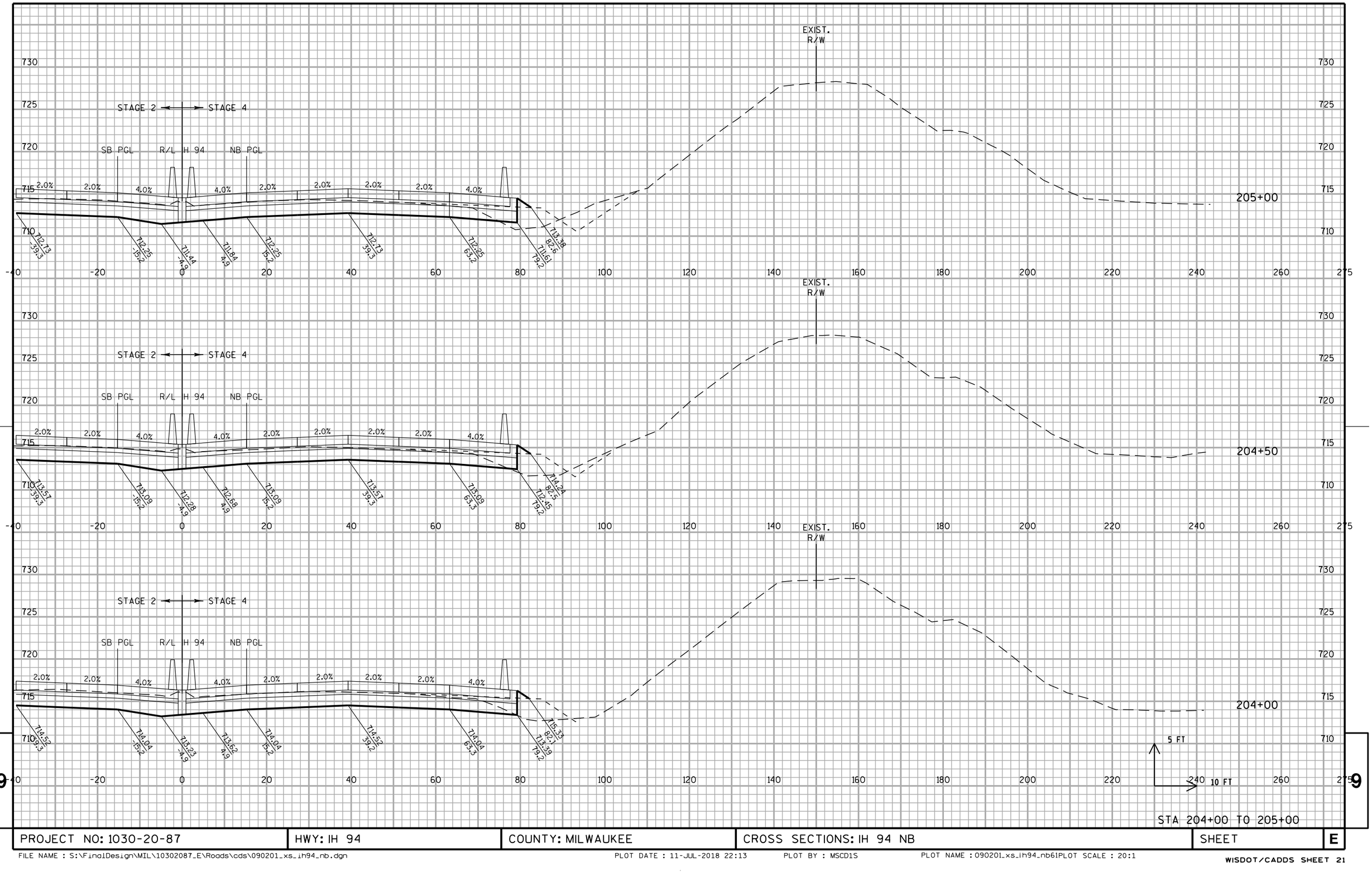
FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090201_xs_ih94_nb.dgn PLOT DATE : 11-JUL-2018 22:13 PLOT BY : MSCD1S PLOT NAME : 090201_xs_ih94_nb59 PLOT SCALE : 20:1



PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 NB	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090201_xs_ih94_nb.dgn PLOT DATE : 11-JUL-2018 22:13 PLOT BY : MSCD1S PLOT NAME : 090201_xs_ih94_nb6 PLOT SCALE : 20:1

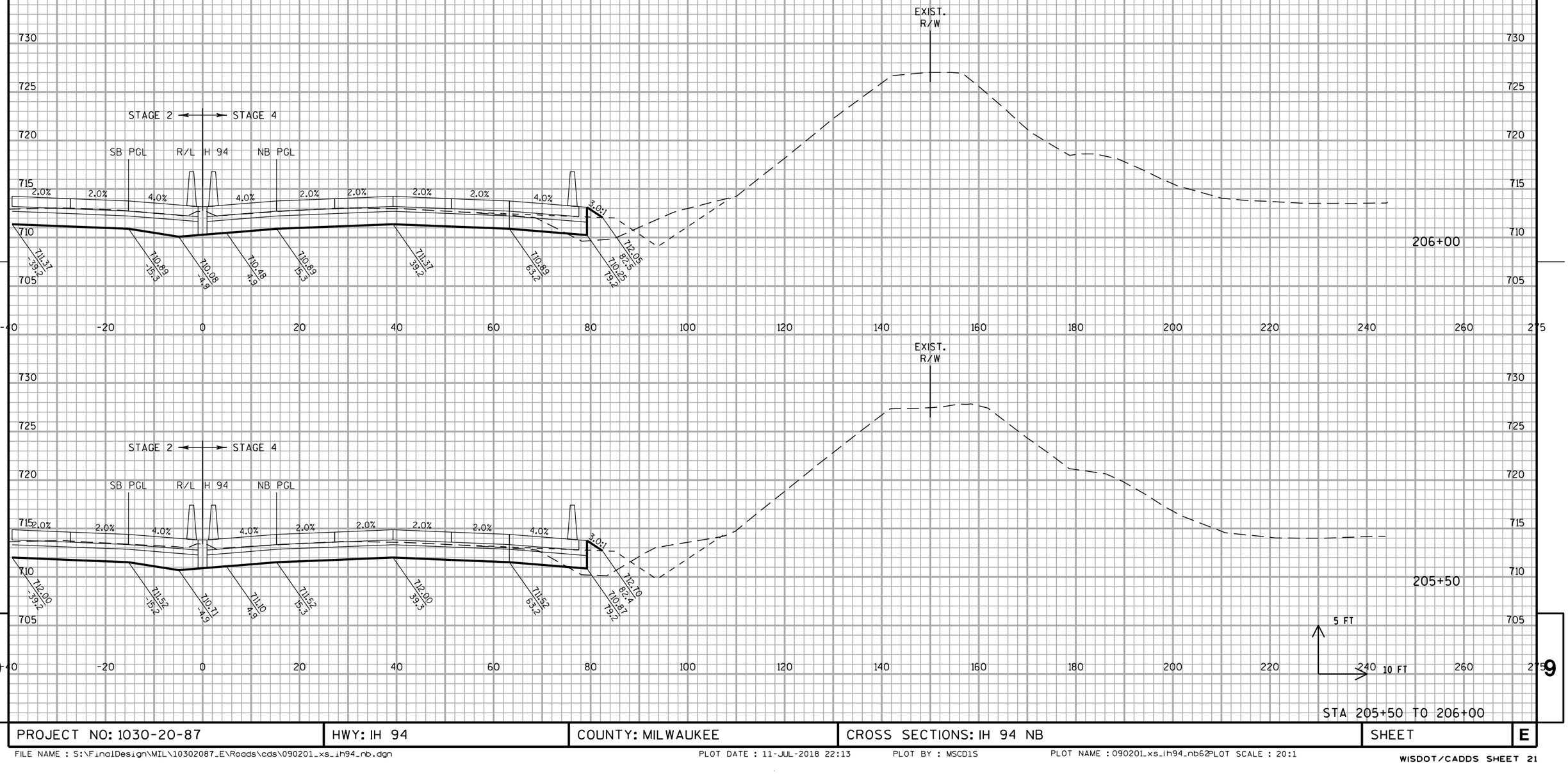
WISDOT/CADDS SHEET 21



STA 204+00 TO 205+00

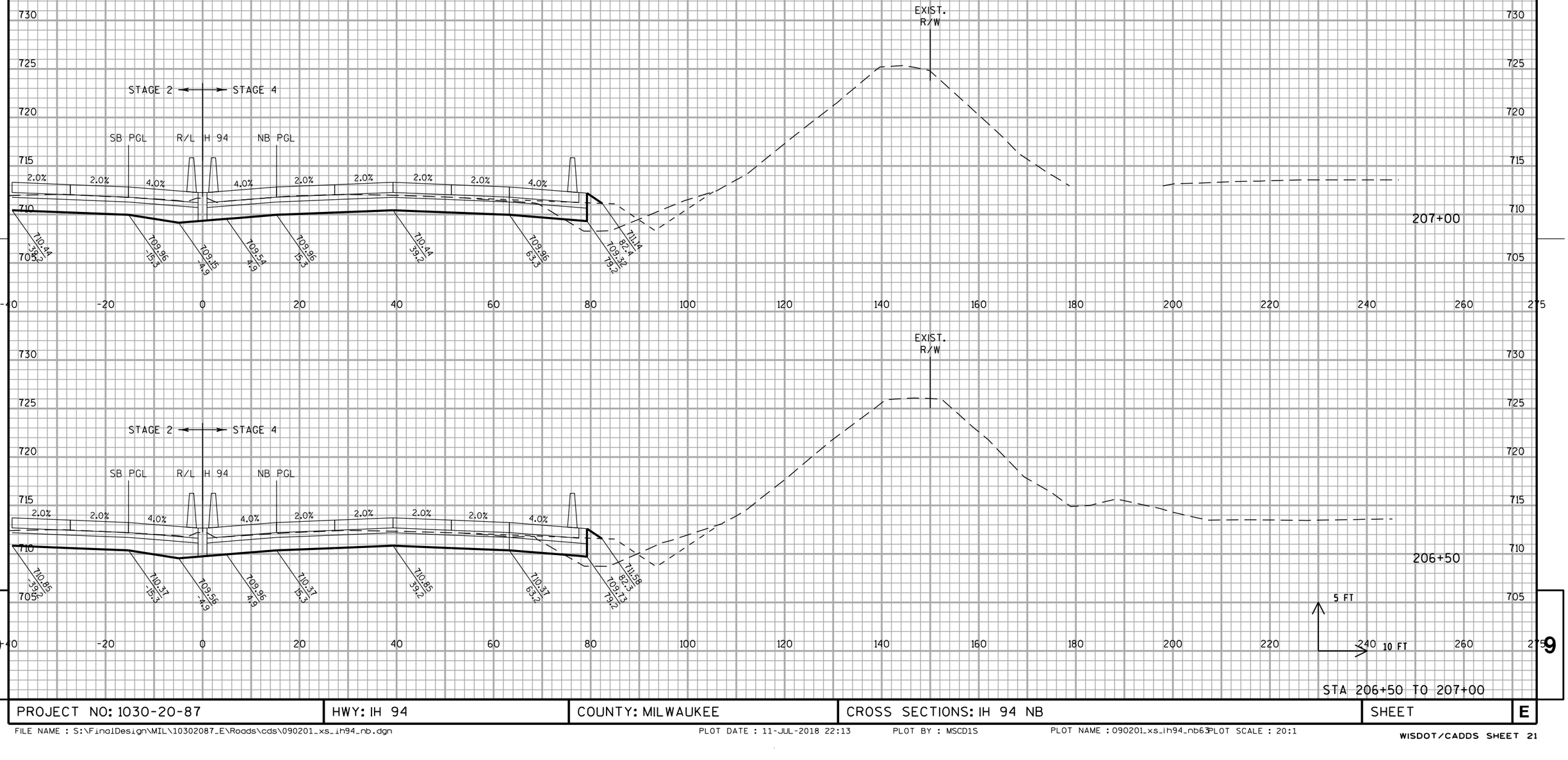
PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 NB	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090201_xs_ih94_nb.dgn PLOT DATE : 11-JUL-2018 22:13 PLOT BY : MSCD1S PLOT NAME : 090201_xs_ih94_nb6IPLOT SCALE : 20:1



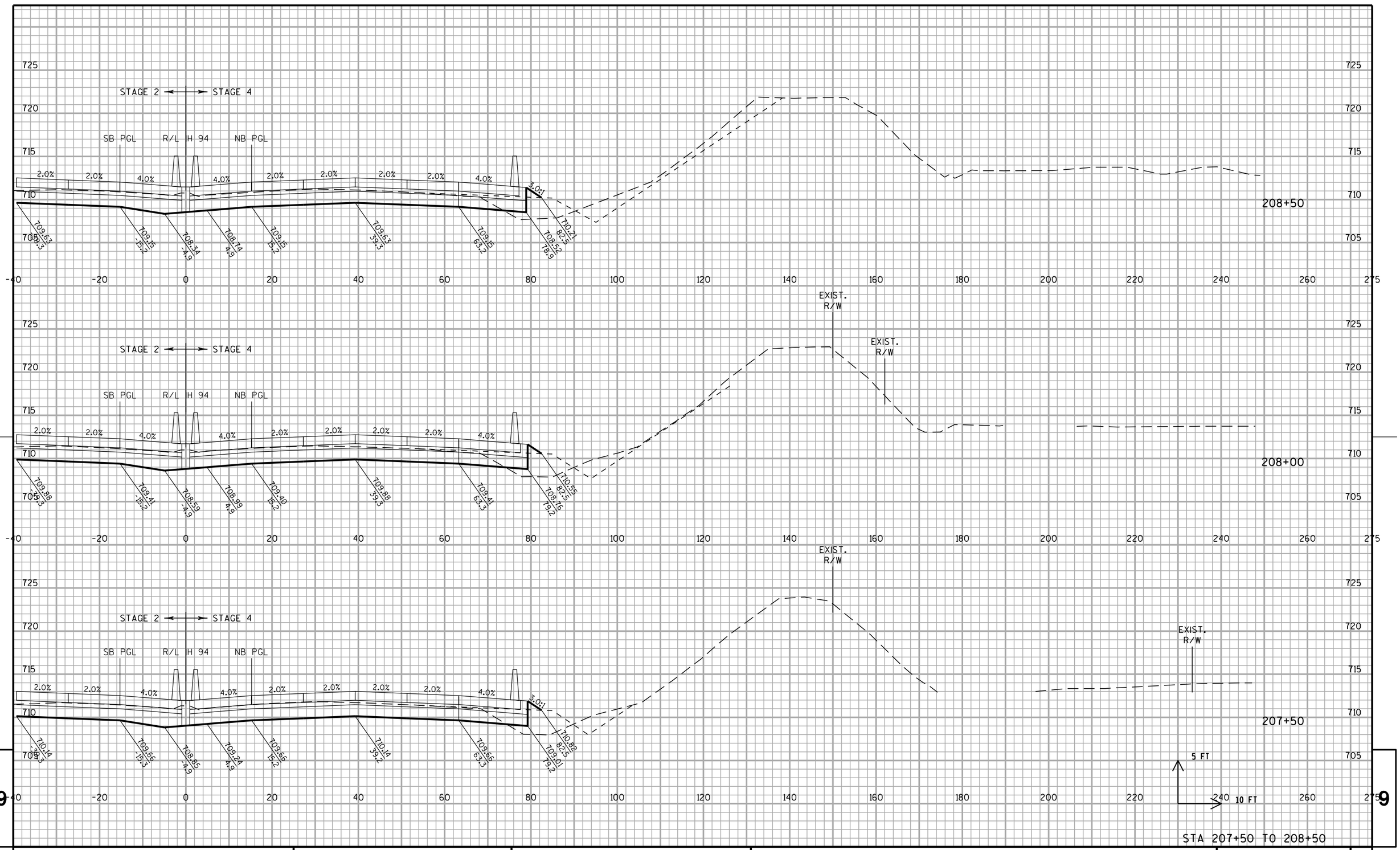
PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 NB	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090201_xs_ih94_nb.dgn PLOT DATE : 11-JUL-2018 22:13 PLOT BY : MSCD1S PLOT NAME : 090201_xs_ih94_nb62PLOT SCALE : 20:1



PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 NB	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090201_xs_ih94_nb.dgn PLOT DATE : 11-JUL-2018 22:13 PLOT BY : MSCD1S PLOT NAME : 090201_xs_ih94_nb63 PLOT SCALE : 20:1

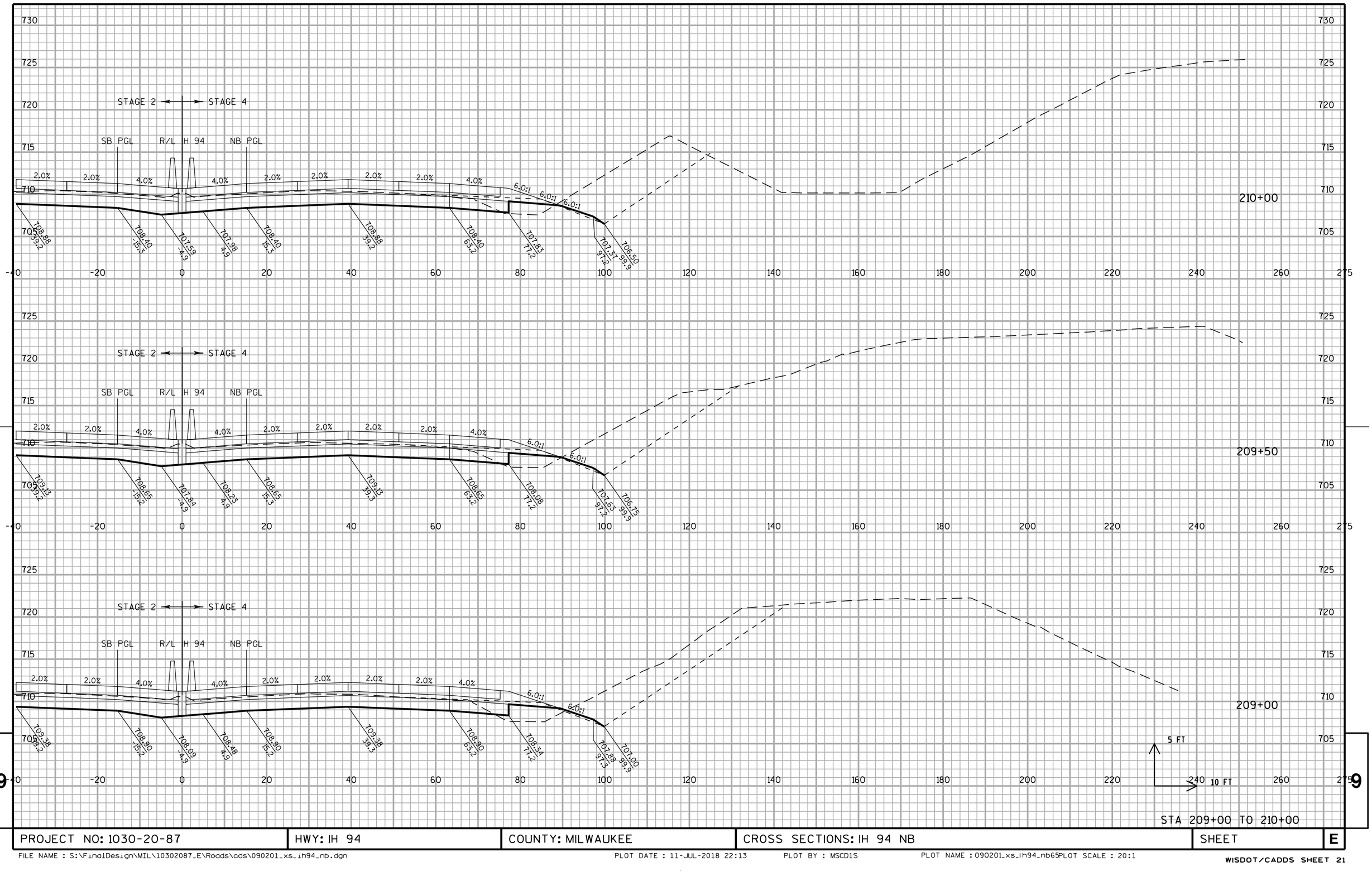


PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 NB	SHEET	E

STA 207+50 TO 208+50

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090201_xs_ih94_nb.dgn PLOT DATE : 11-JUL-2018 22:13 PLOT BY : MSCD1S PLOT NAME : 090201_xs_ih94_nb64 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

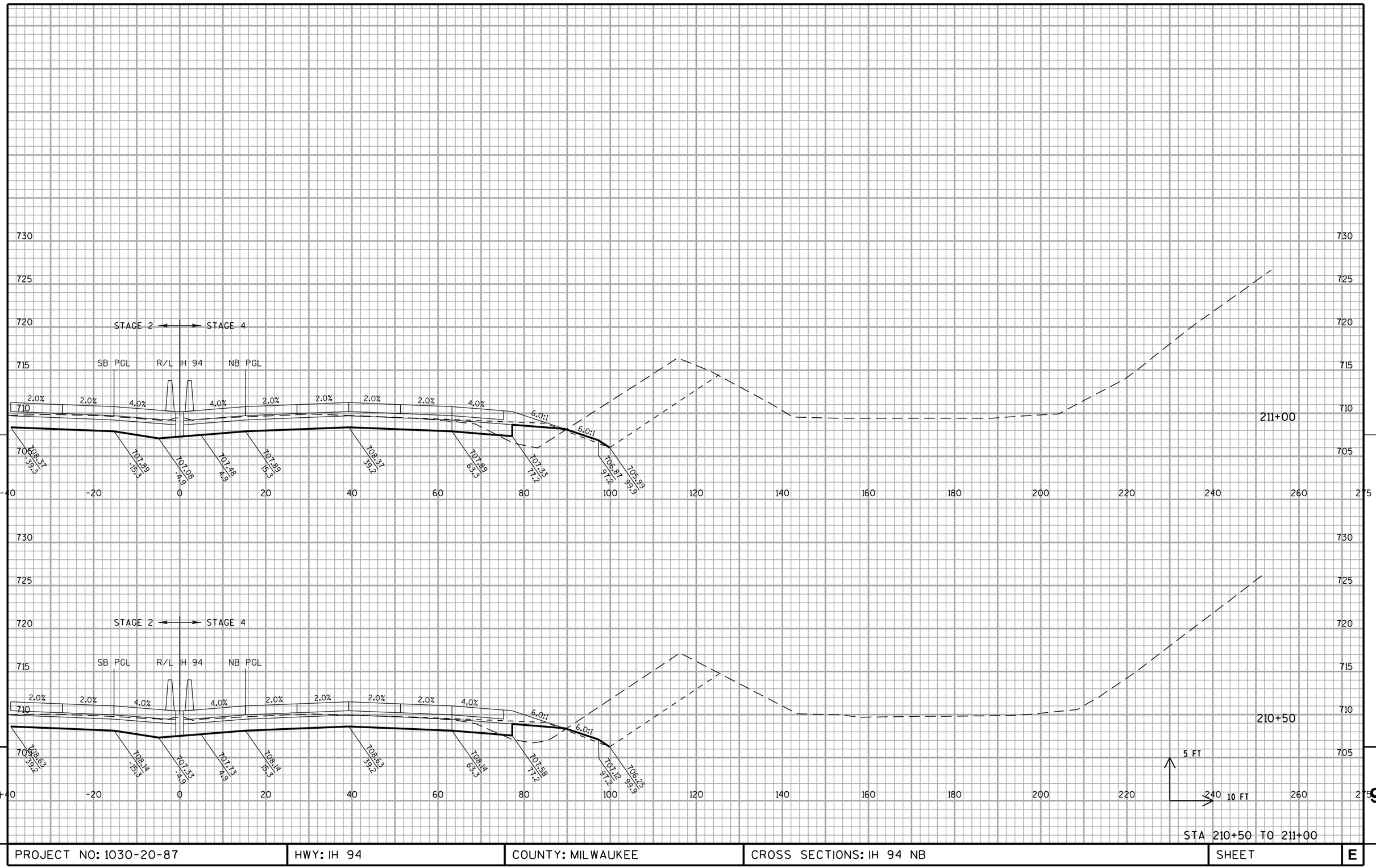


STA 209+00 TO 210+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 NB	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090201_xs_ih94_nb.dgn PLOT DATE : 11-JUL-2018 22:13 PLOT BY : MSCD1S PLOT NAME : 090201_xs_ih94_nb65PLOT SCALE : 20:1

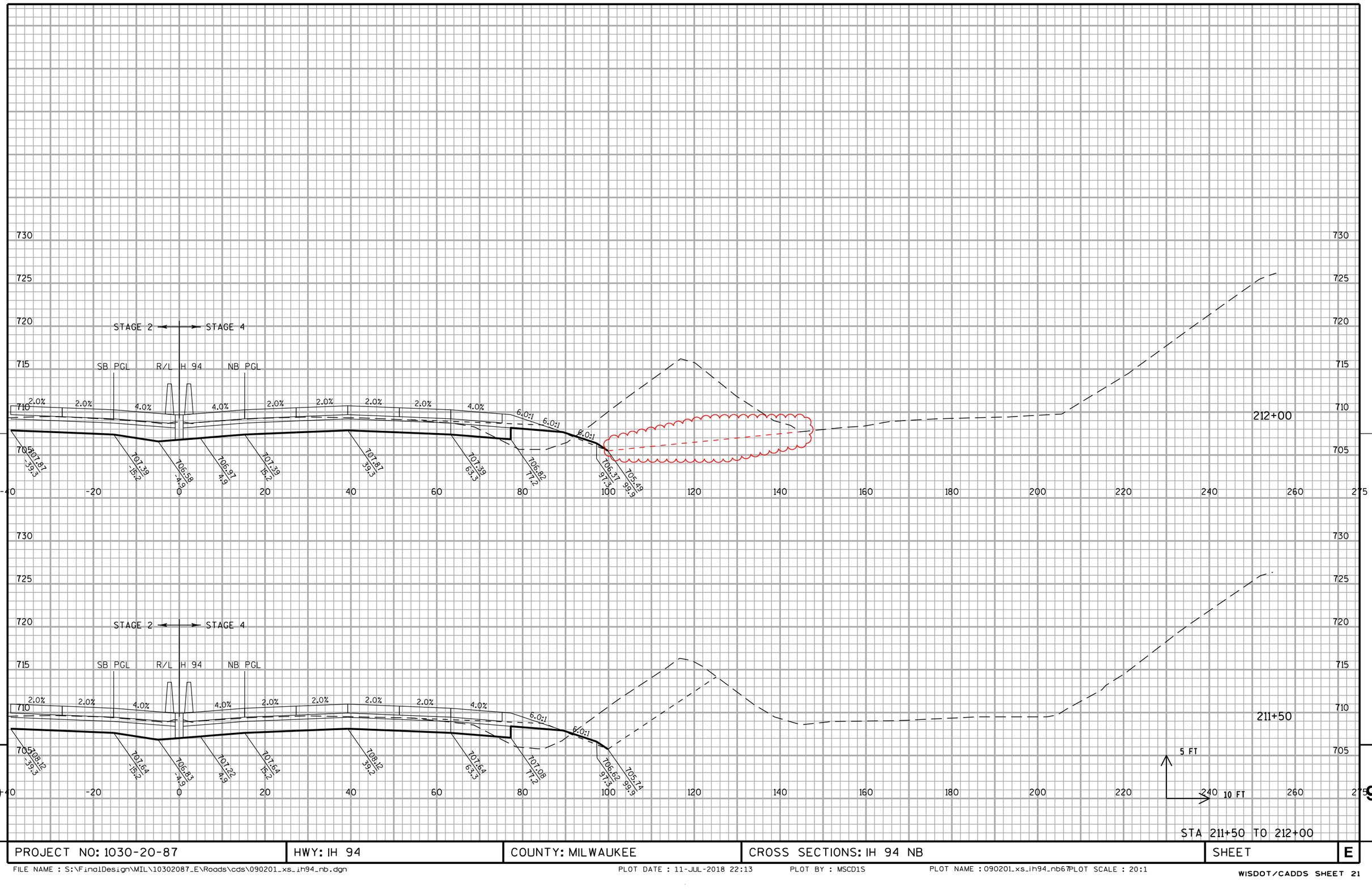
WISDOT/CADDS SHEET 21



STA 210+50 TO 211+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 NB	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090201_xs_ih94_nb.dgn PLOT DATE : 11-JUL-2018 22:13 PLOT BY : MSCD1S PLOT NAME : 090201_xs_ih94_nb66PLOT SCALE : 20:1

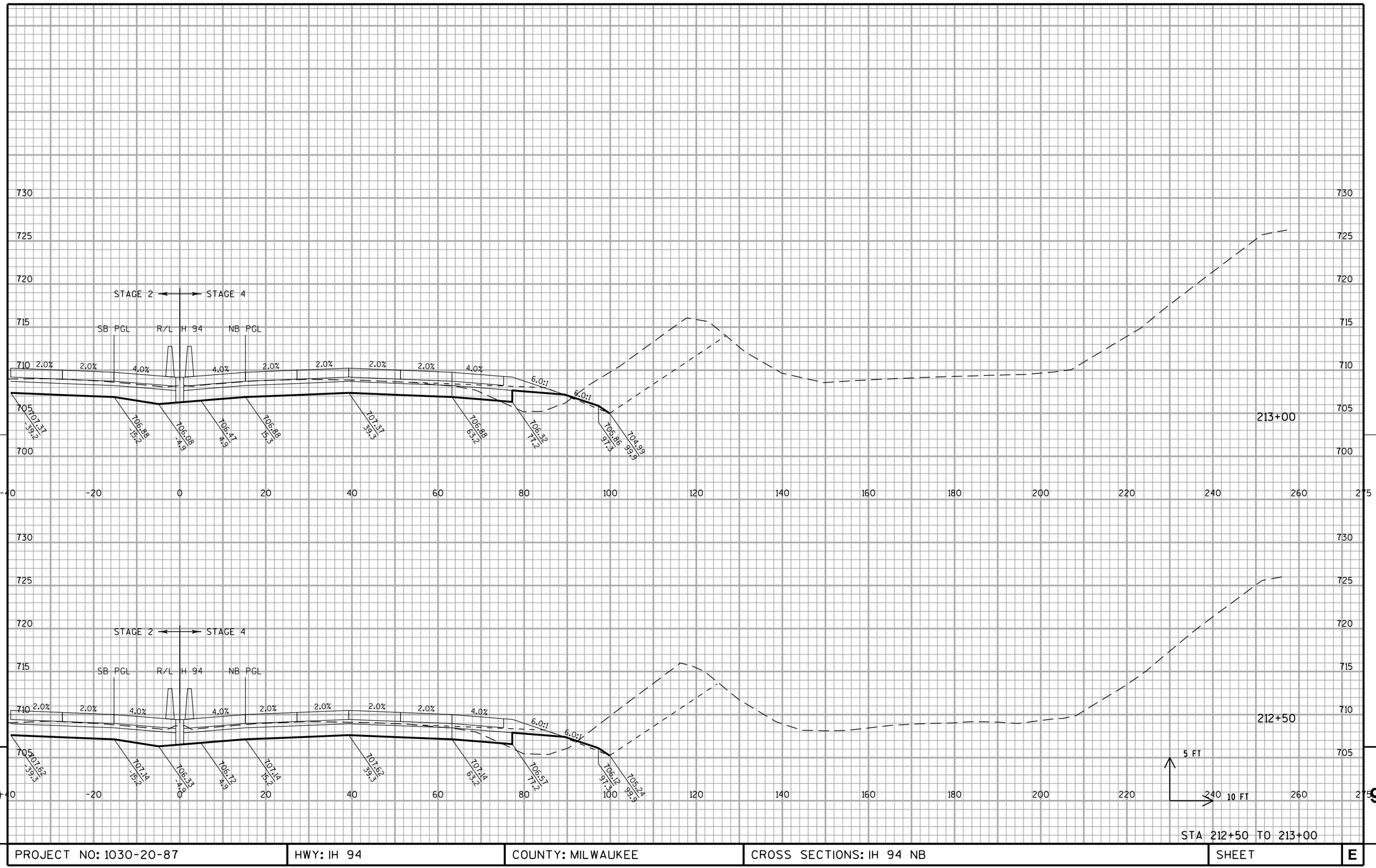


STA 211+50 TO 212+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 NB	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090201_xs_ih94_nb.dgn PLOT DATE : 11-JUL-2018 22:13 PLOT BY : MSCD1S PLOT NAME : 090201_xs_ih94_nb67 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

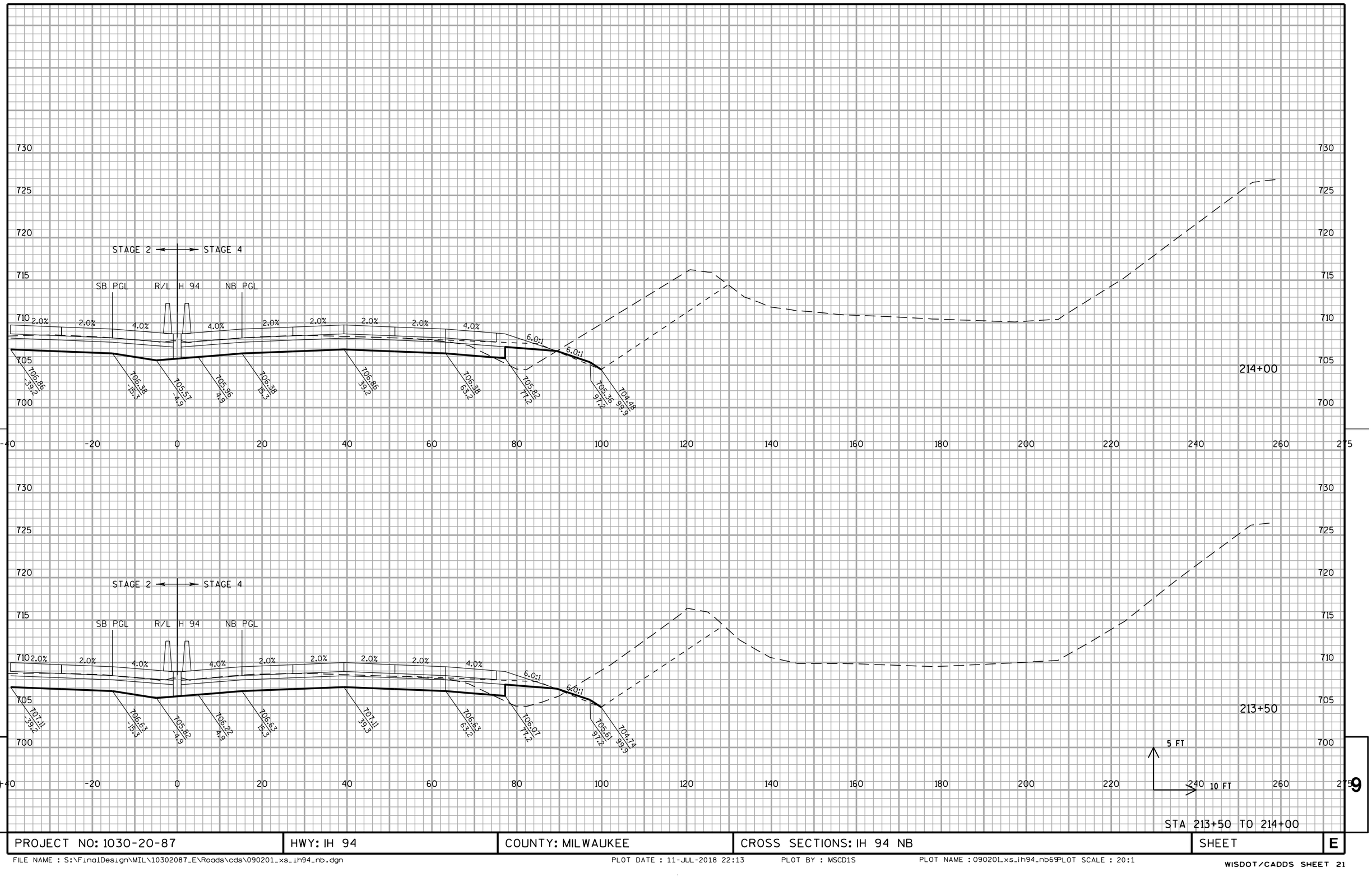


STA 212+50 TO 213+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 NB	SHEET	E

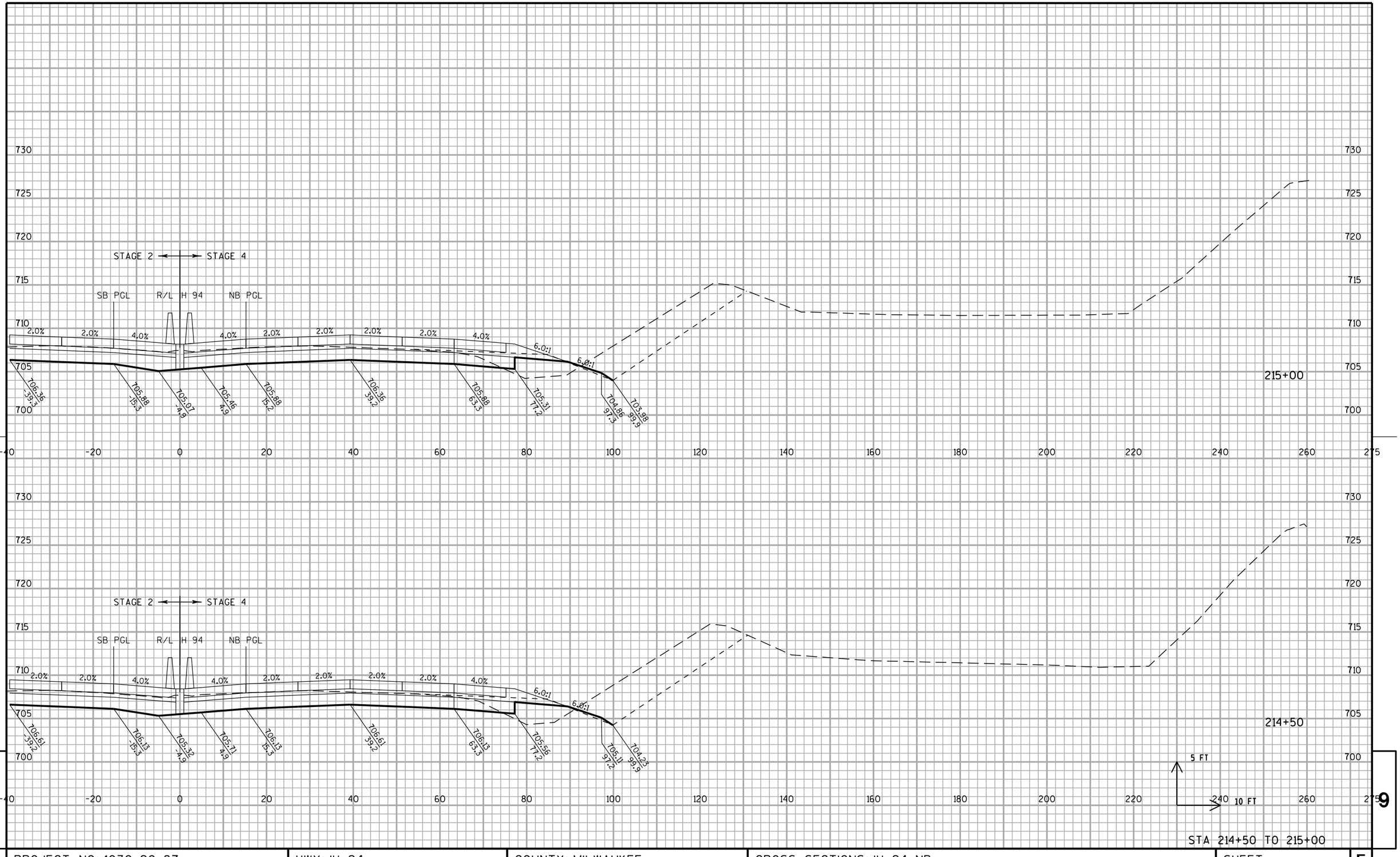
FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090201_xs_ih94_nb.dgn PLOT DATE : 11-JUL-2018 22:13 PLOT BY : MSCD1S PLOT NAME : 090201_xs_ih94_nb68 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



STA 213+50 TO 214+00

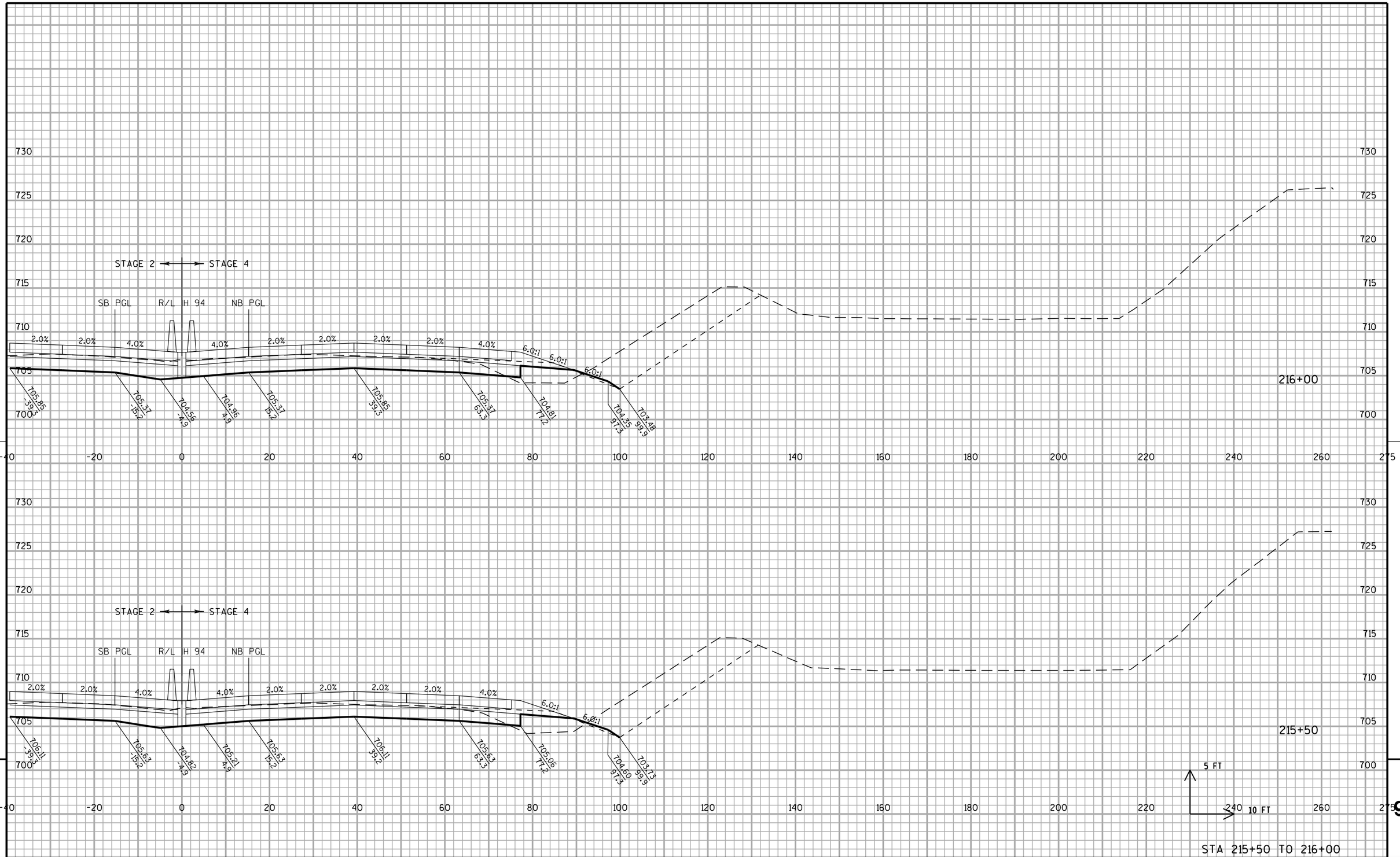
PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 NB	SHEET	E



STA 214+50 TO 215+00

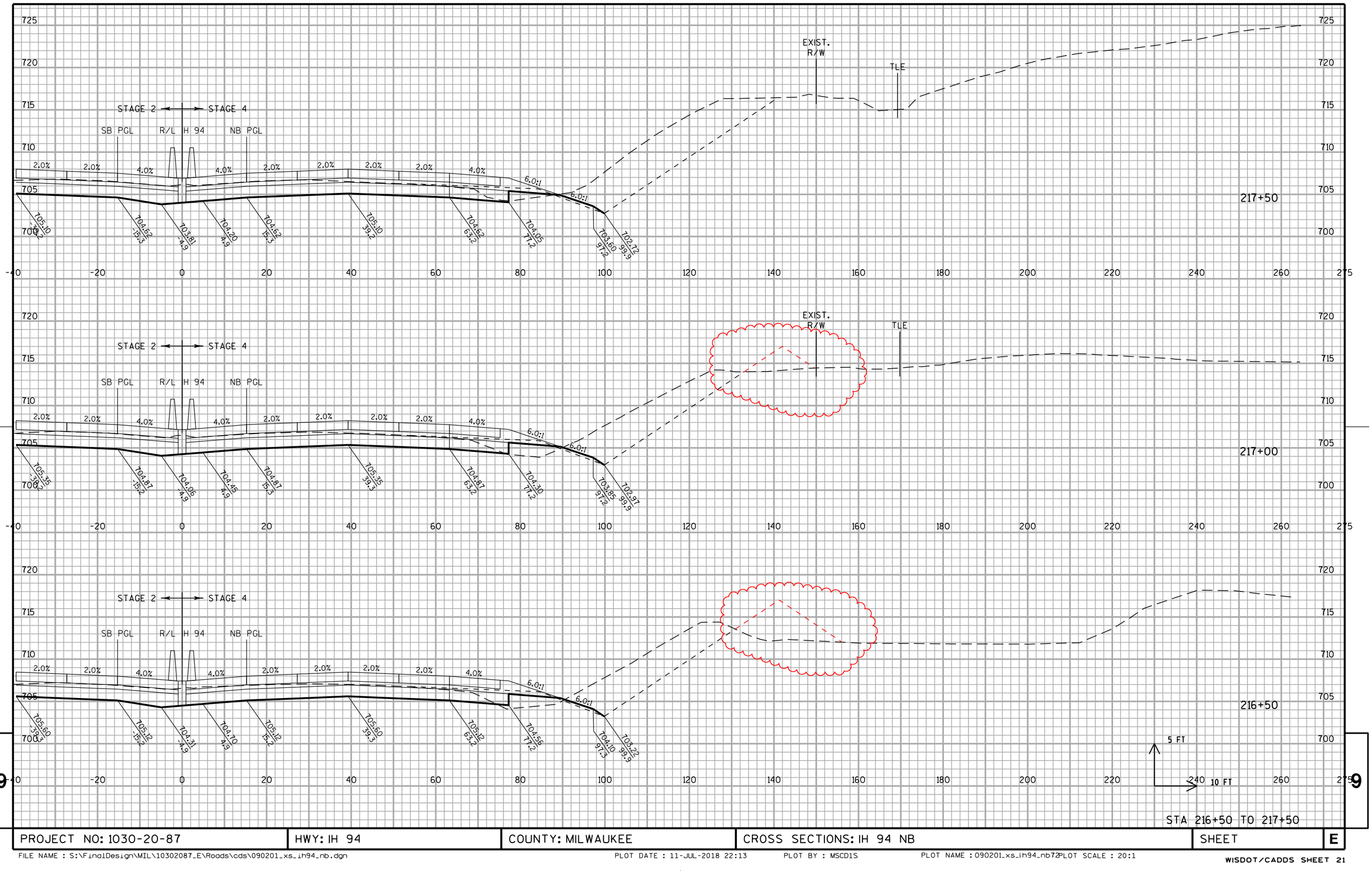
PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 NB	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090201_xs_ih94_nb.dgn PLOT DATE : 11-JUL-2018 22:13 PLOT BY : MSCD1S PLOT NAME : 090201_xs_ih94_nb7 PLOT SCALE : 20:1



STA 215+50 TO 216+00

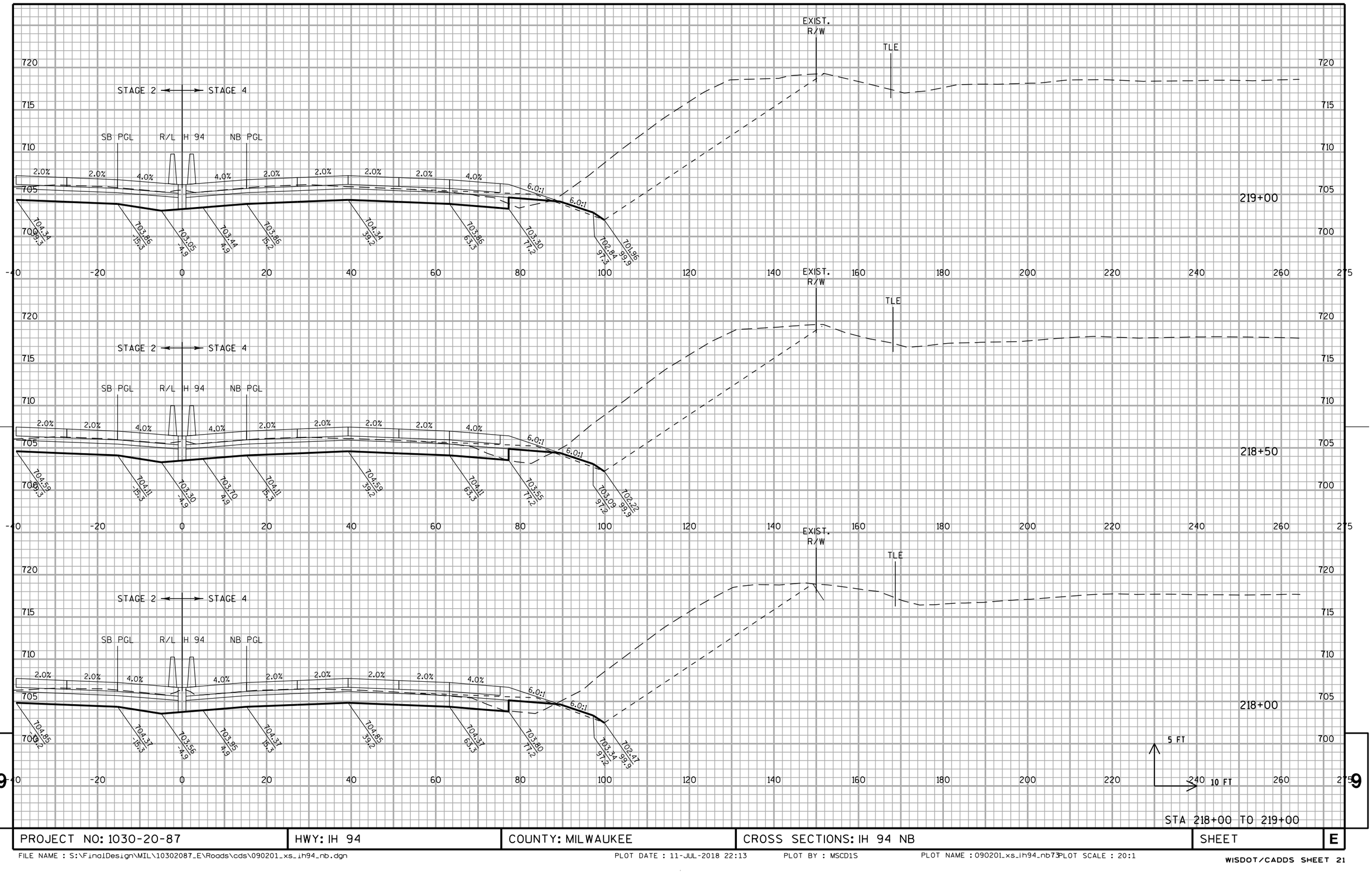
PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 NB	SHEET	E



PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 NB	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090201_xs_ih94_nb.dgn PLOT DATE : 11-JUL-2018 22:13 PLOT BY : MSCD1S PLOT NAME : 090201_xs_ih94_nb72 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

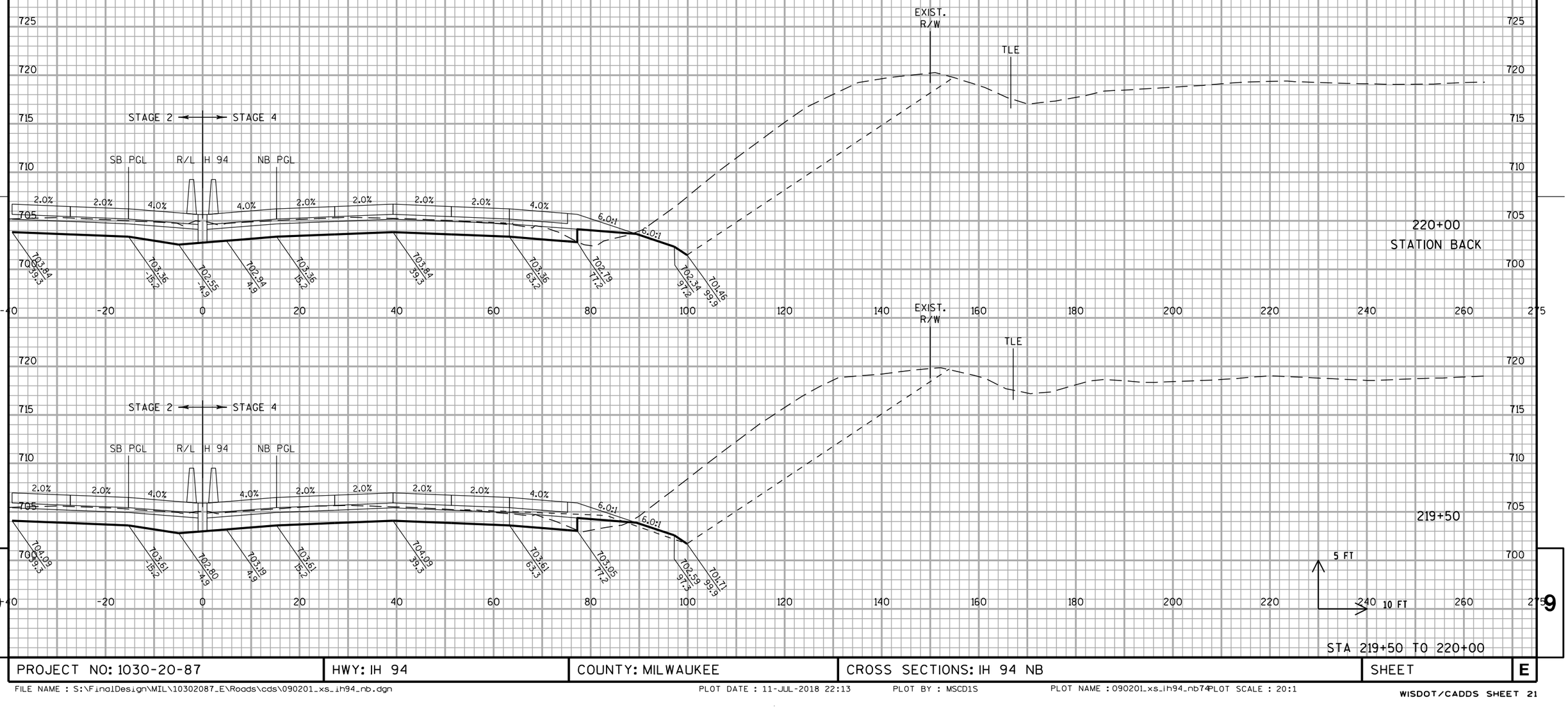


STA 218+00 TO 219+00

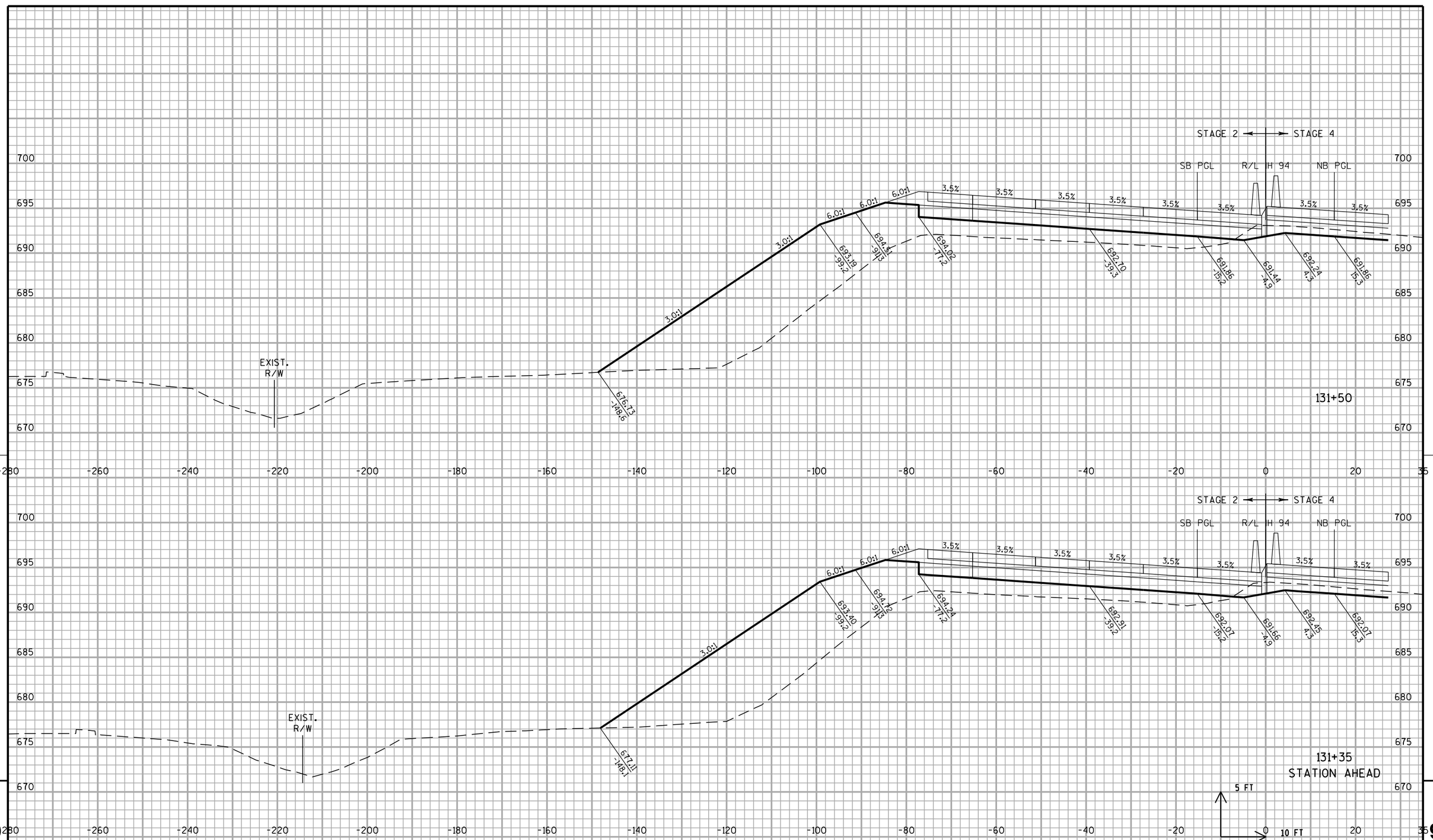
PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 NB	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090201_xs_ih94_nb.dgn PLOT DATE : 11-JUL-2018 22:13 PLOT BY : MSCD1S PLOT NAME : 090201_xs_ih94_nb73 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



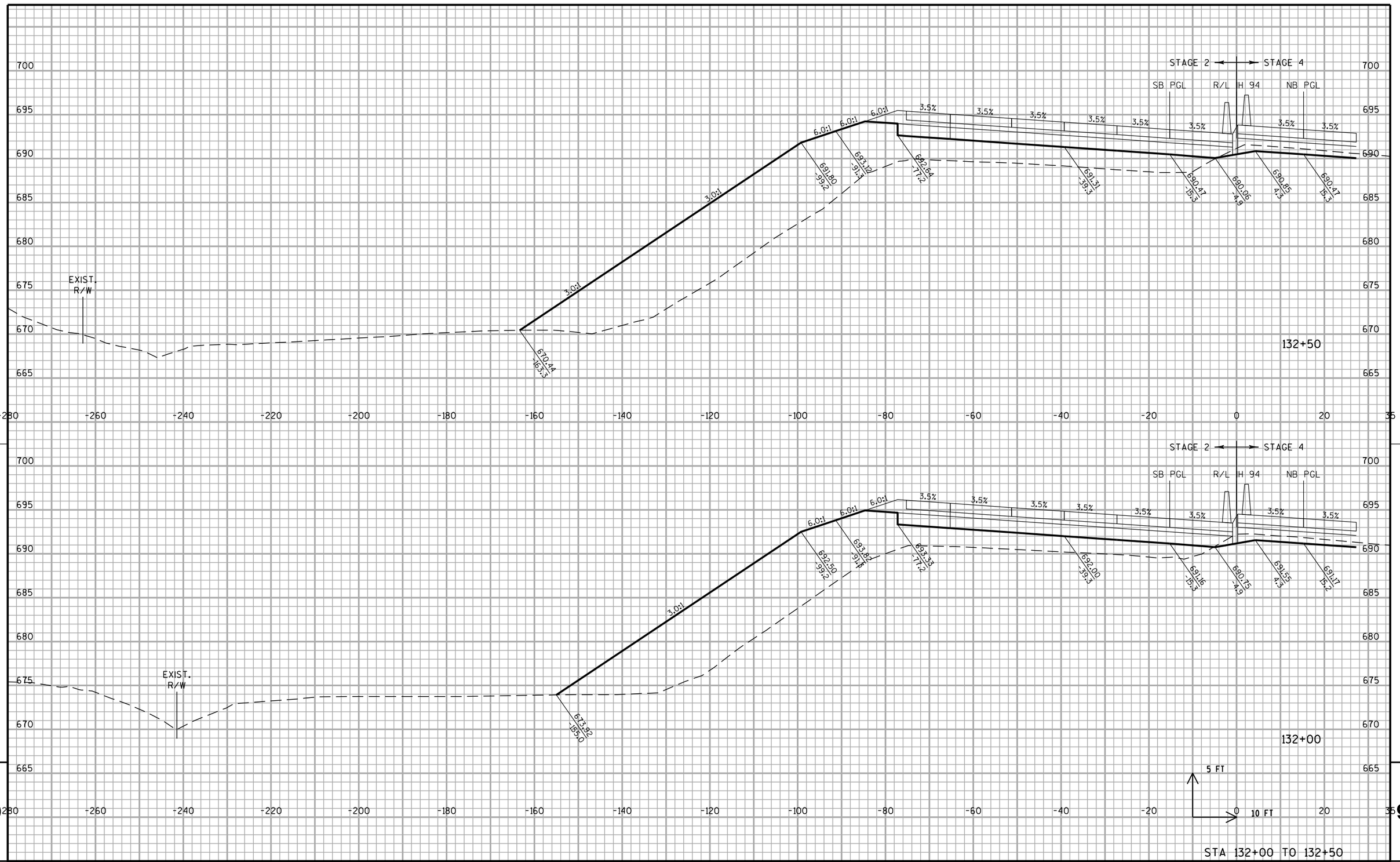
PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 NB	SHEET	E



STA 131+35 TO 131+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 SB	SHEET	E

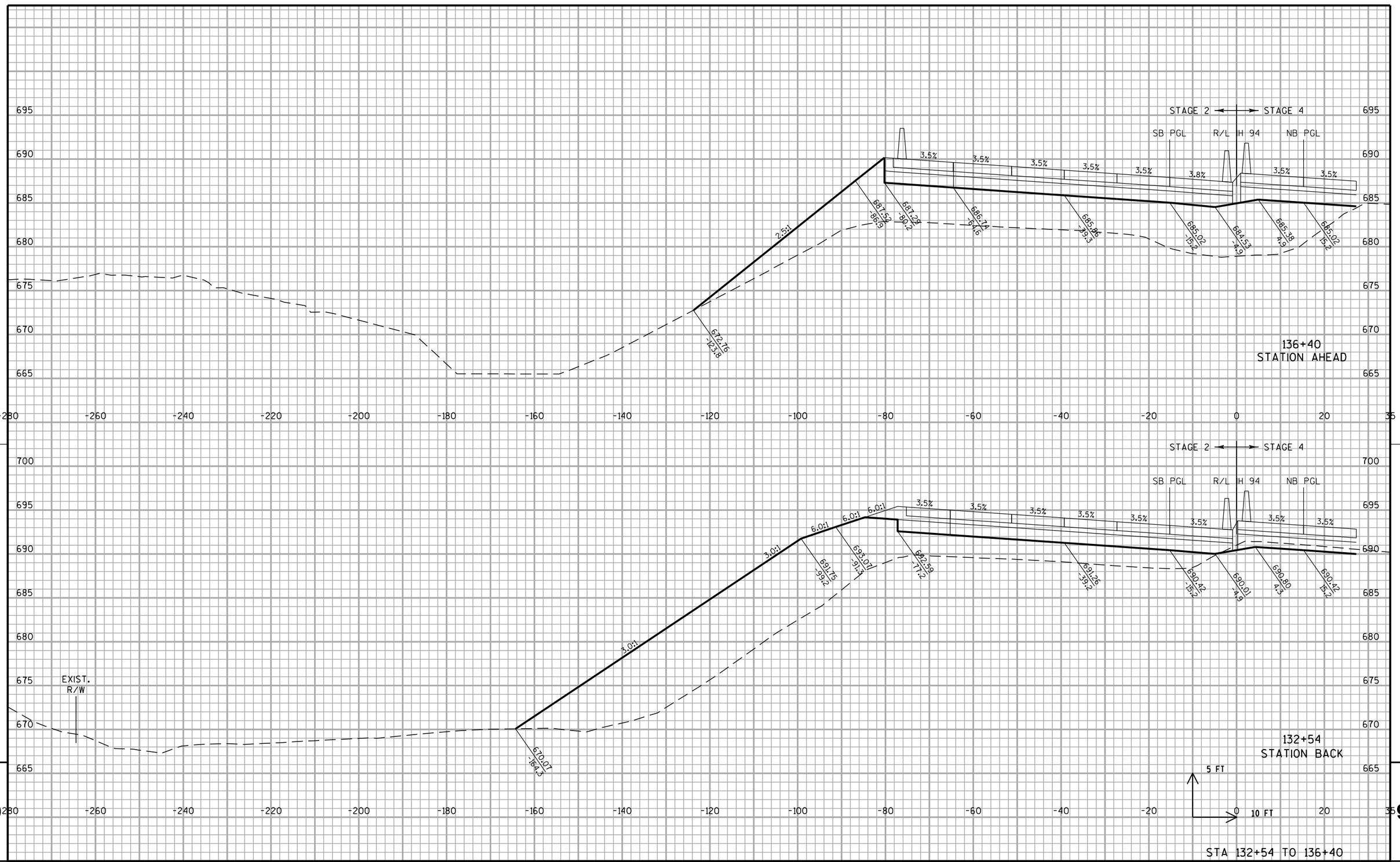
FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090202_xs_ih94_sb.dgn PLOT DATE : 11-JUL-2018 22:13 PLOT BY : MSCD1S PLOT NAME : 090202_xs_ih94_sb PLOT SCALE : 20:1



9

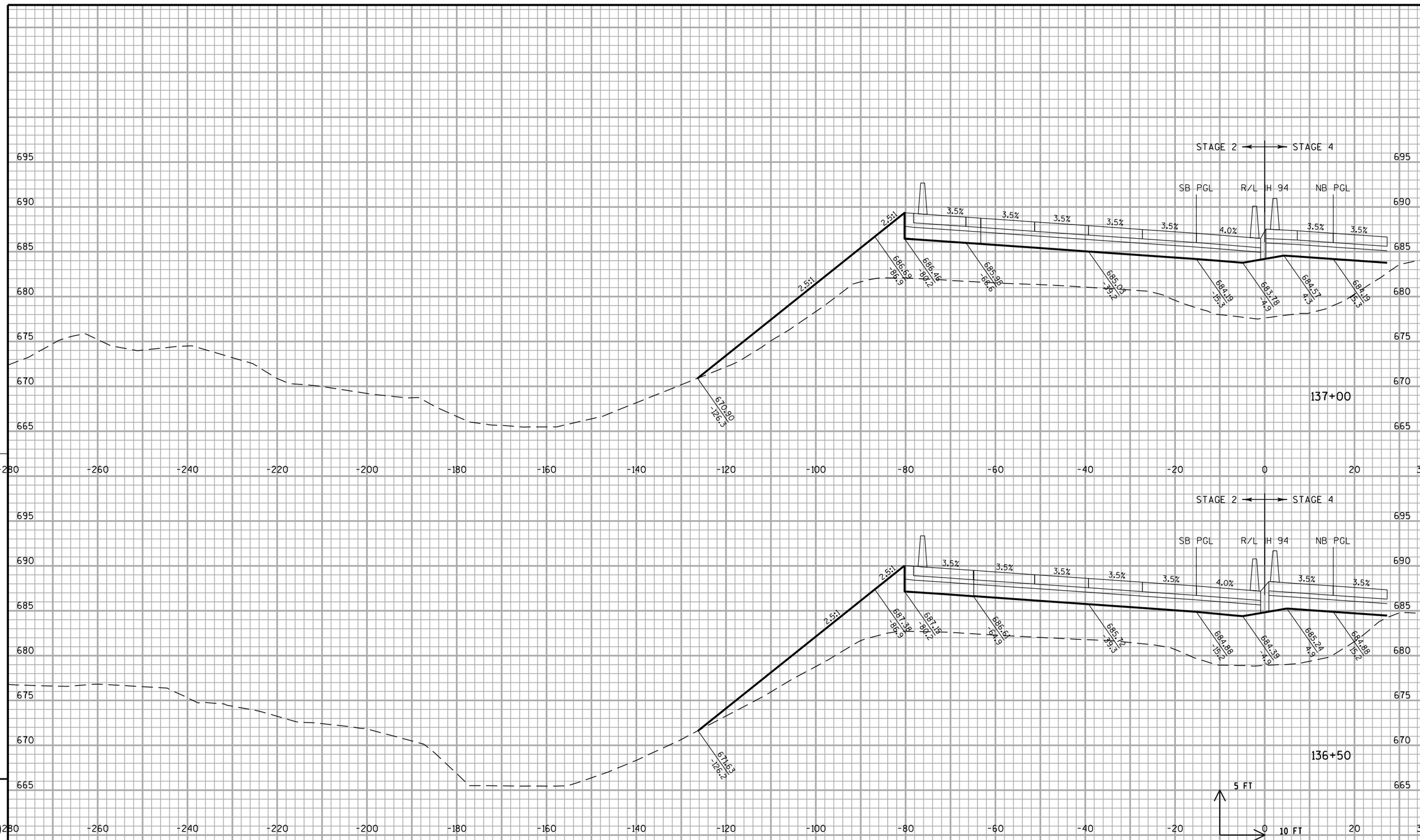
PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 SB	SHEET	E

STA 132+00 TO 132+50



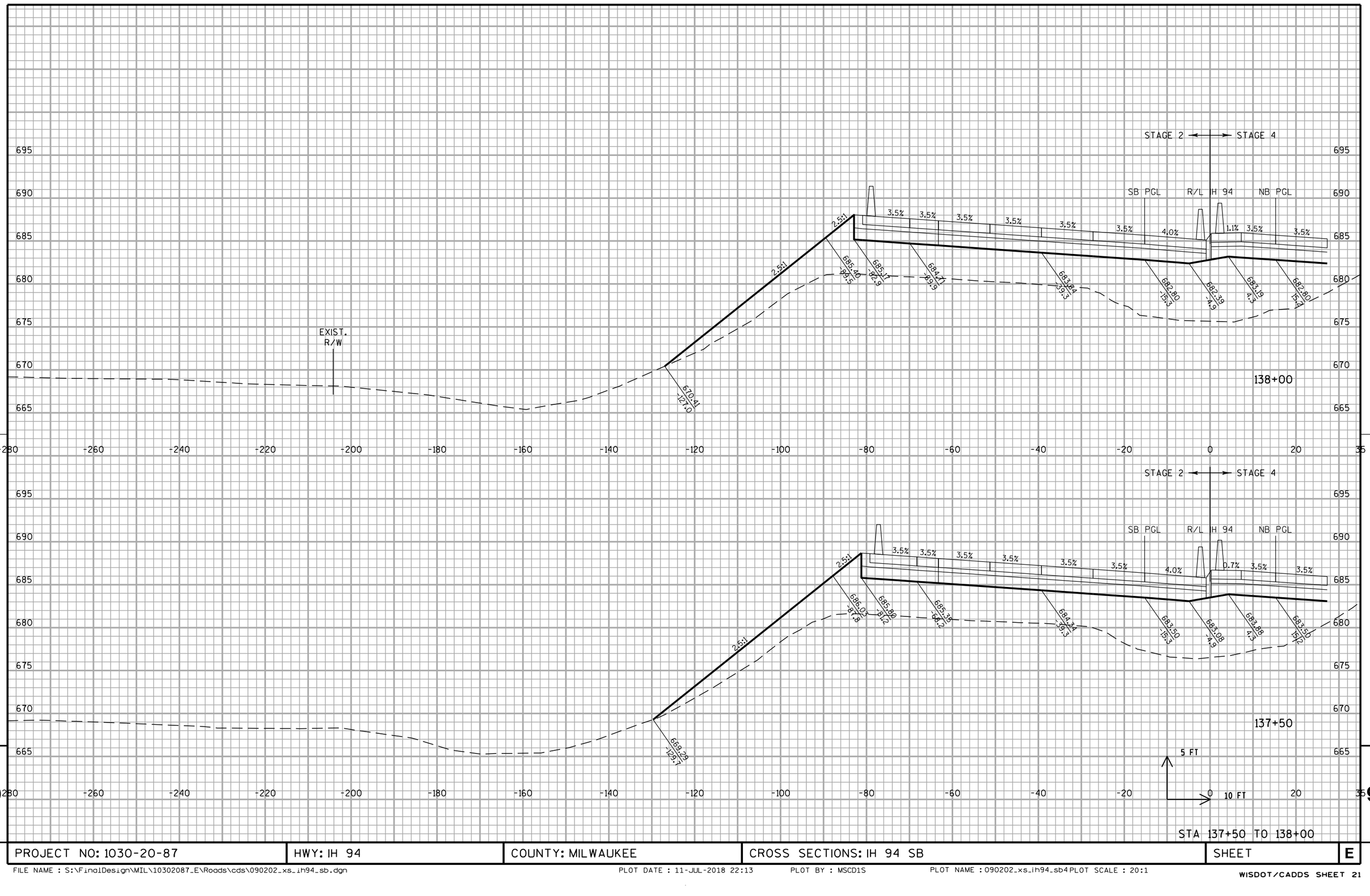
PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 SB	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090202_xs_ih94_sb.dgn PLOT DATE : 11-JUL-2018 22:13 PLOT BY : MSCD1S PLOT NAME : 090202_xs_ih94_sb2 PLOT SCALE : 20:1



PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 SB	SHEET	E

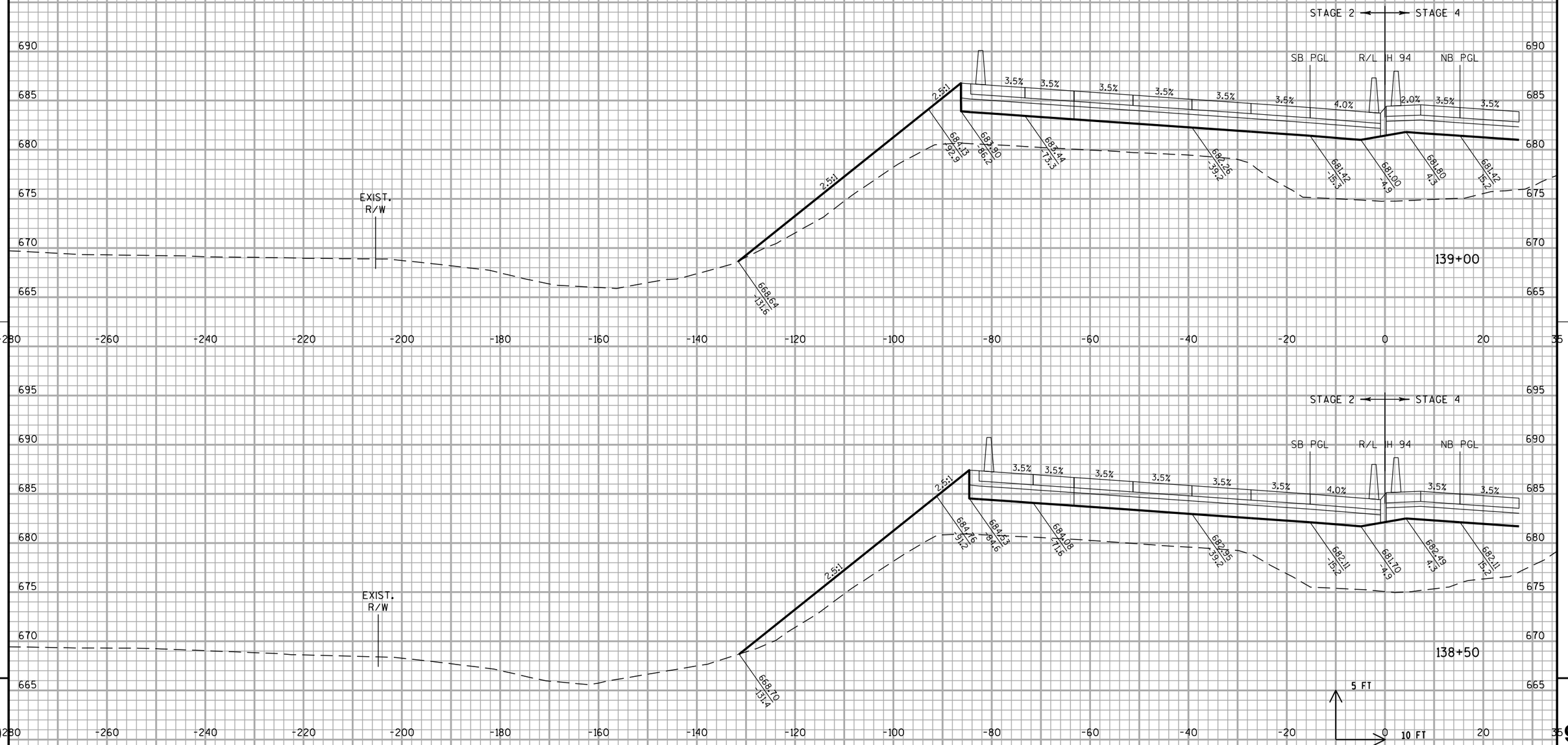
FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090202_xs_ih94_sb.dgn PLOT DATE : 11-JUL-2018 22:13 PLOT BY : MSCD1S PLOT NAME : 090202_xs_ih94_sb3 PLOT SCALE : 20:1



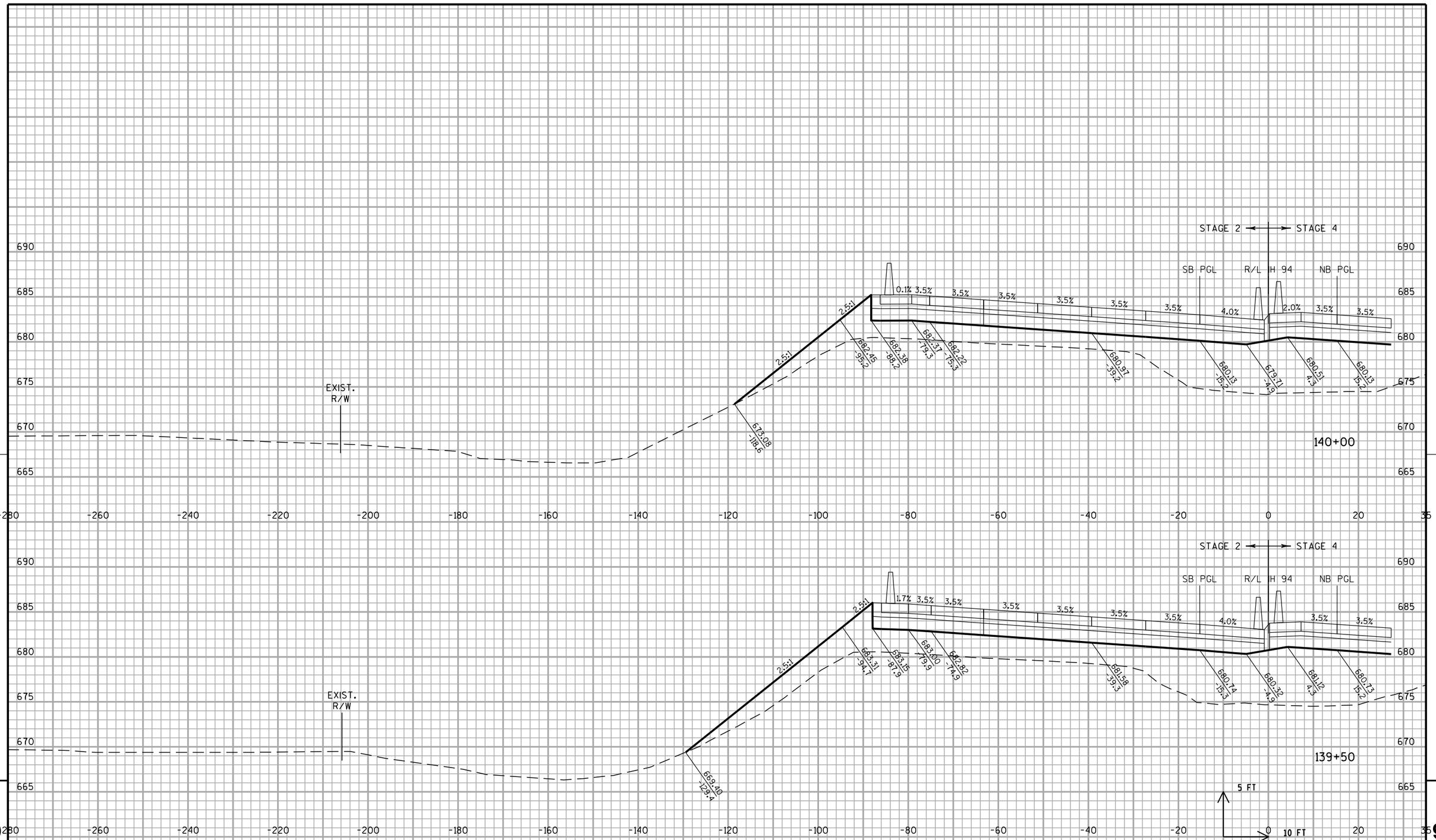
STA 137+50 TO 138+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 SB	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090202_xs_ih94_sb.dgn PLOT DATE : 11-JUL-2018 22:13 PLOT BY : MSCD1S PLOT NAME : 090202_xs_ih94_sb4 PLOT SCALE : 20:1

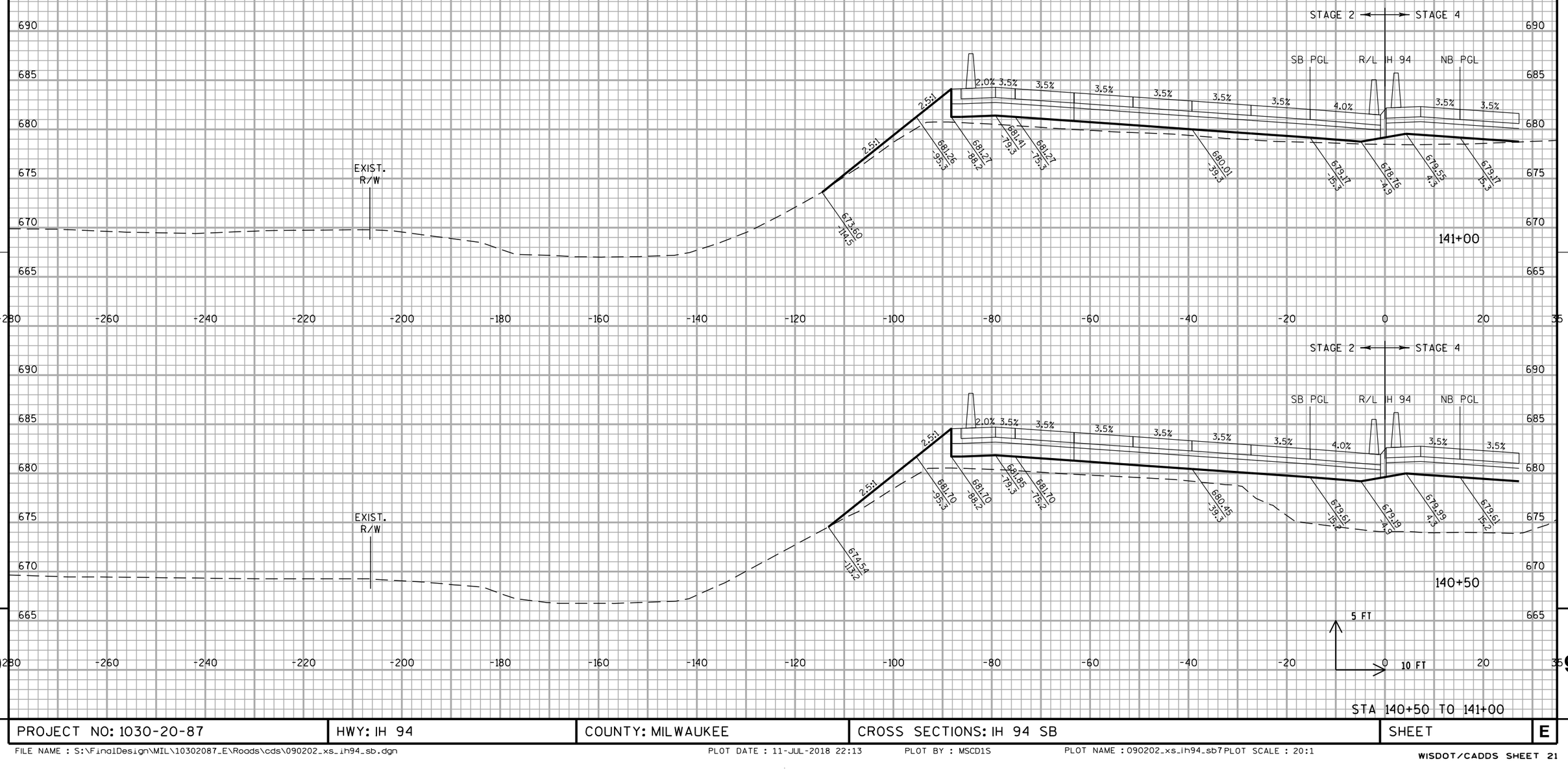


PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 SB	SHEET	E



STA 139+50 TO 140+00

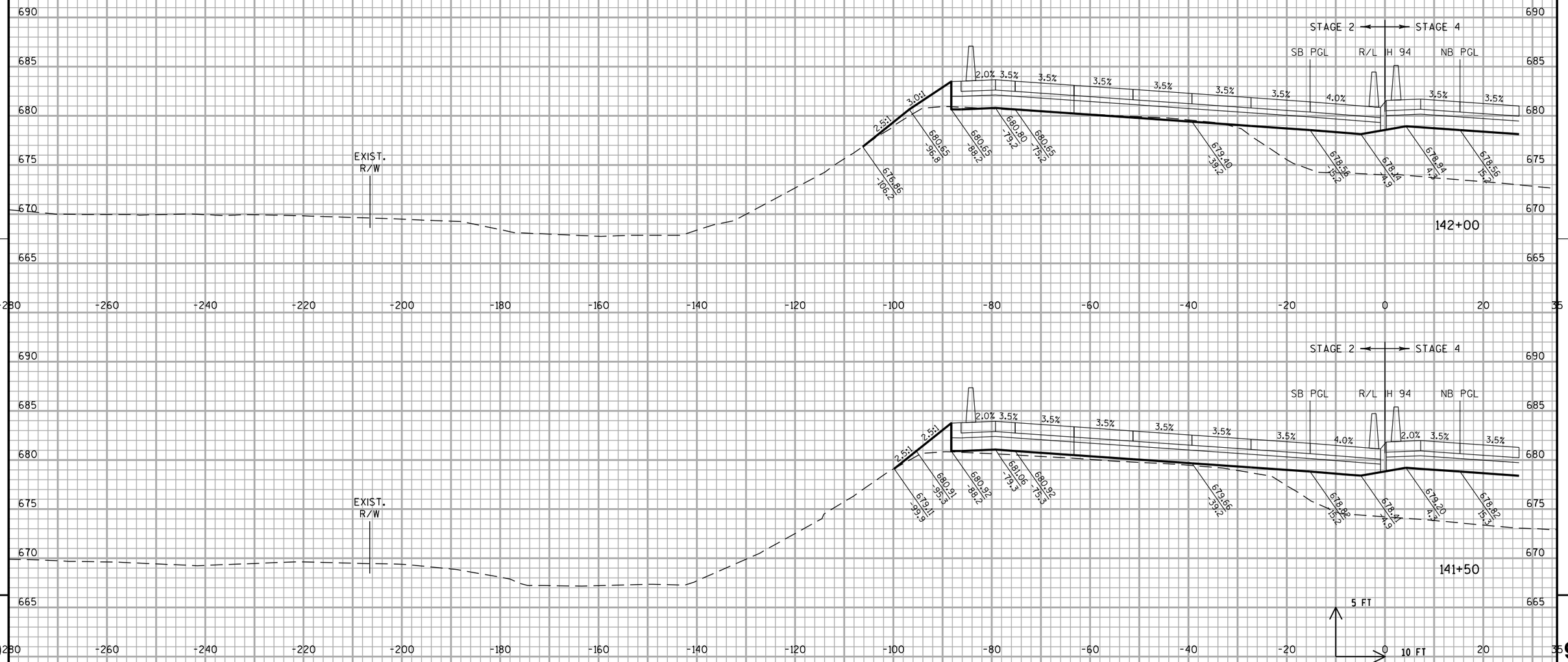
PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 SB	SHEET	E



STA 140+50 TO 141+00

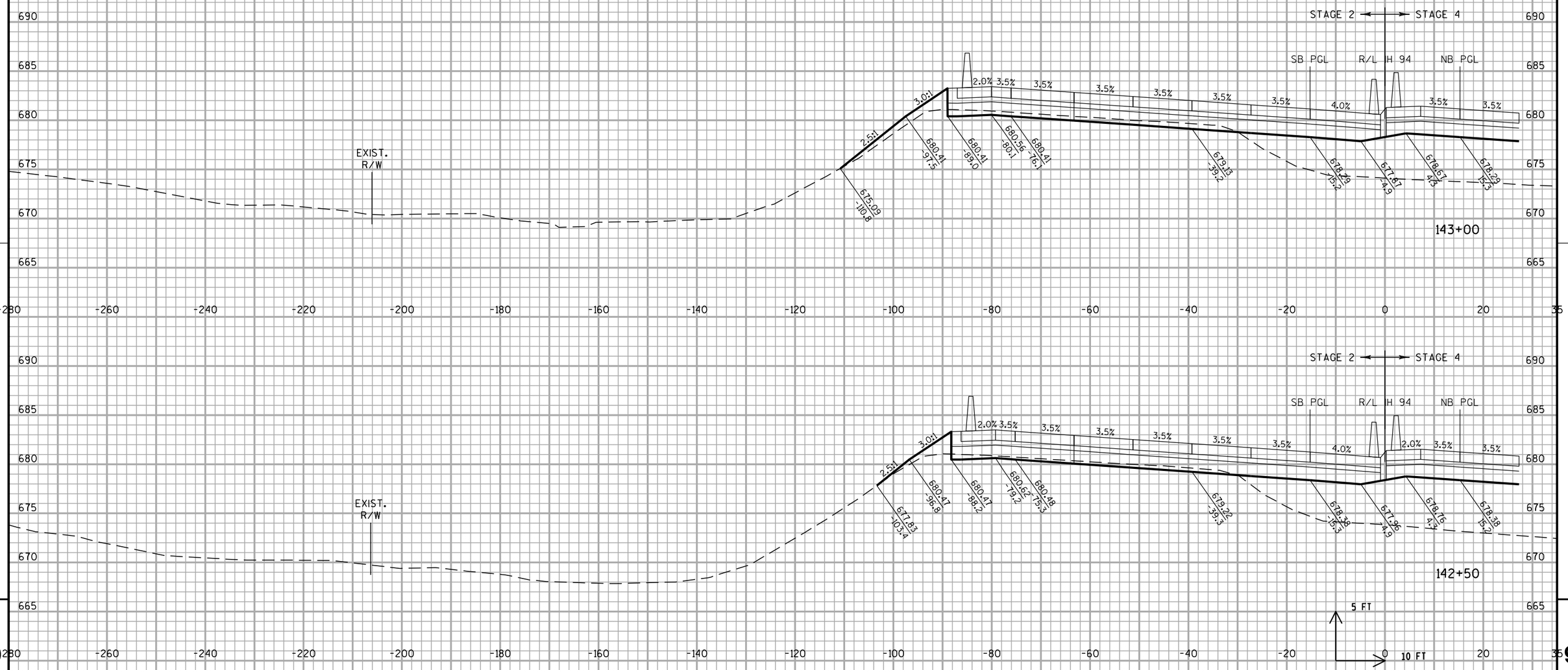
PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 SB	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090202_xs_ih94_sb.dgn PLOT DATE : 11-JUL-2018 22:13 PLOT BY : MSCD1S PLOT NAME : 090202_xs_ih94_sb7 PLOT SCALE : 20:1



STA 141+50 TO 142+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 SB	SHEET	E



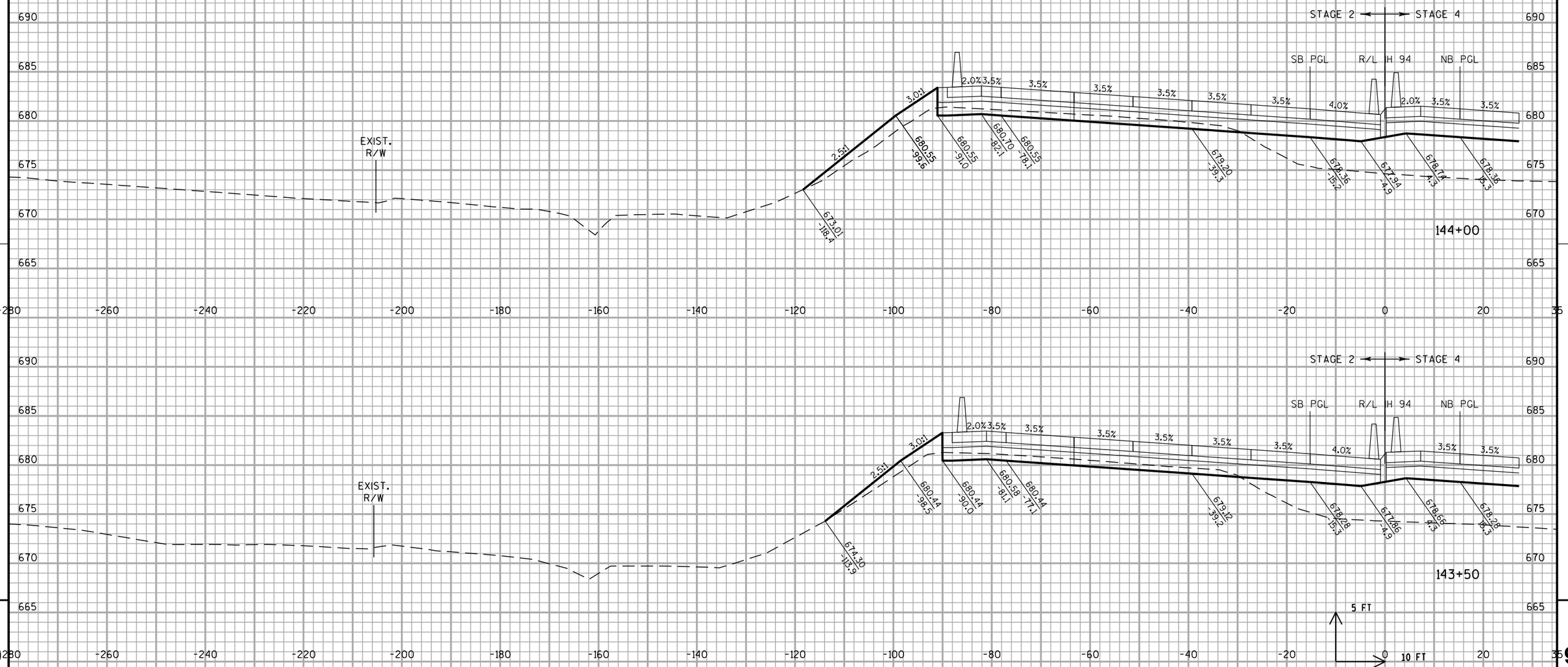
9

9

STA 142+50 TO 143+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 SB	SHEET	E

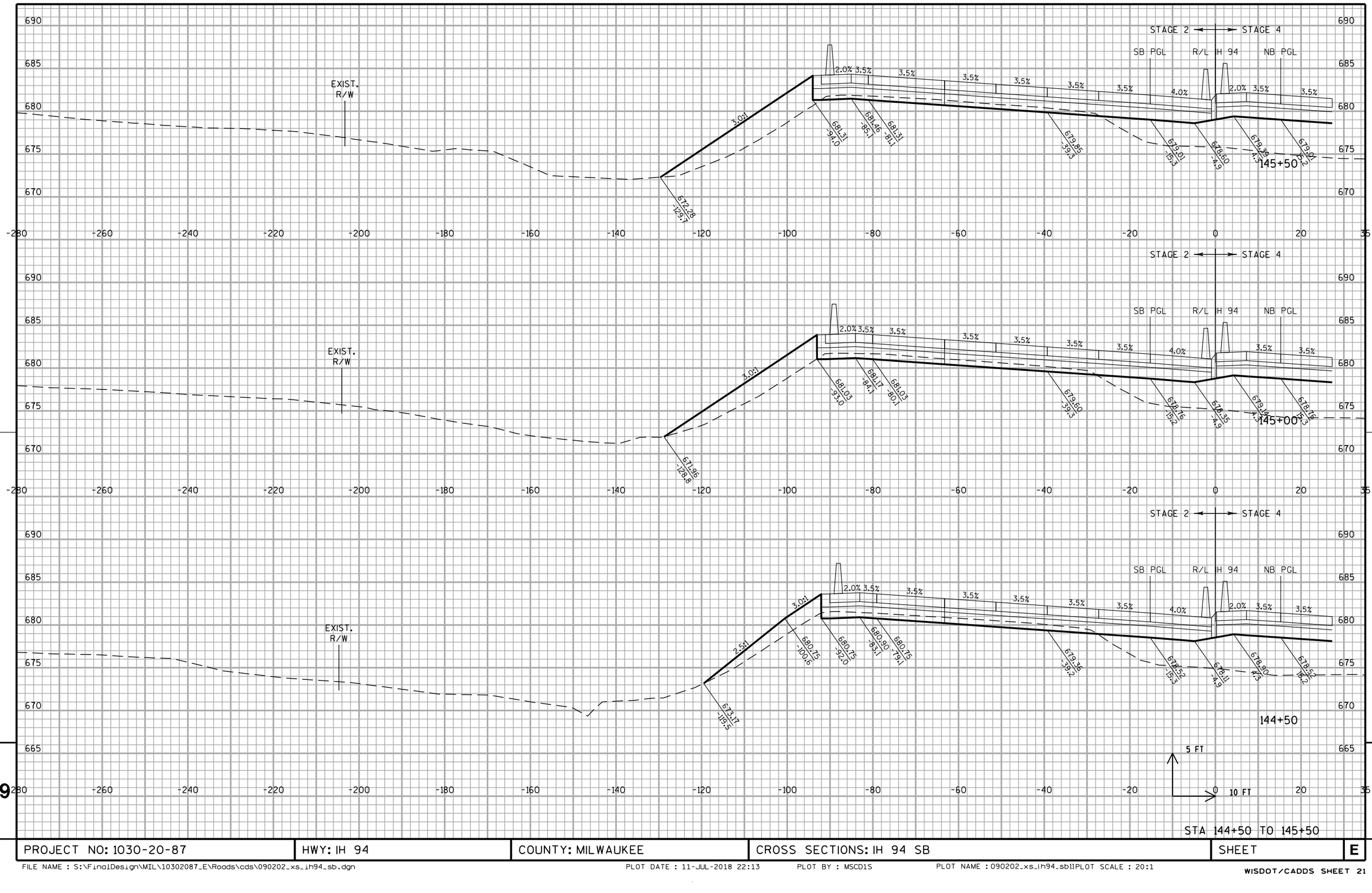
FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090202_xs_ih94_sb.dgn PLOT DATE : 11-JUL-2018 22:13 PLOT BY : MSCD1S PLOT NAME : 090202_xs_ih94_sb9 PLOT SCALE : 20:1



STA 143+50 TO 144+00

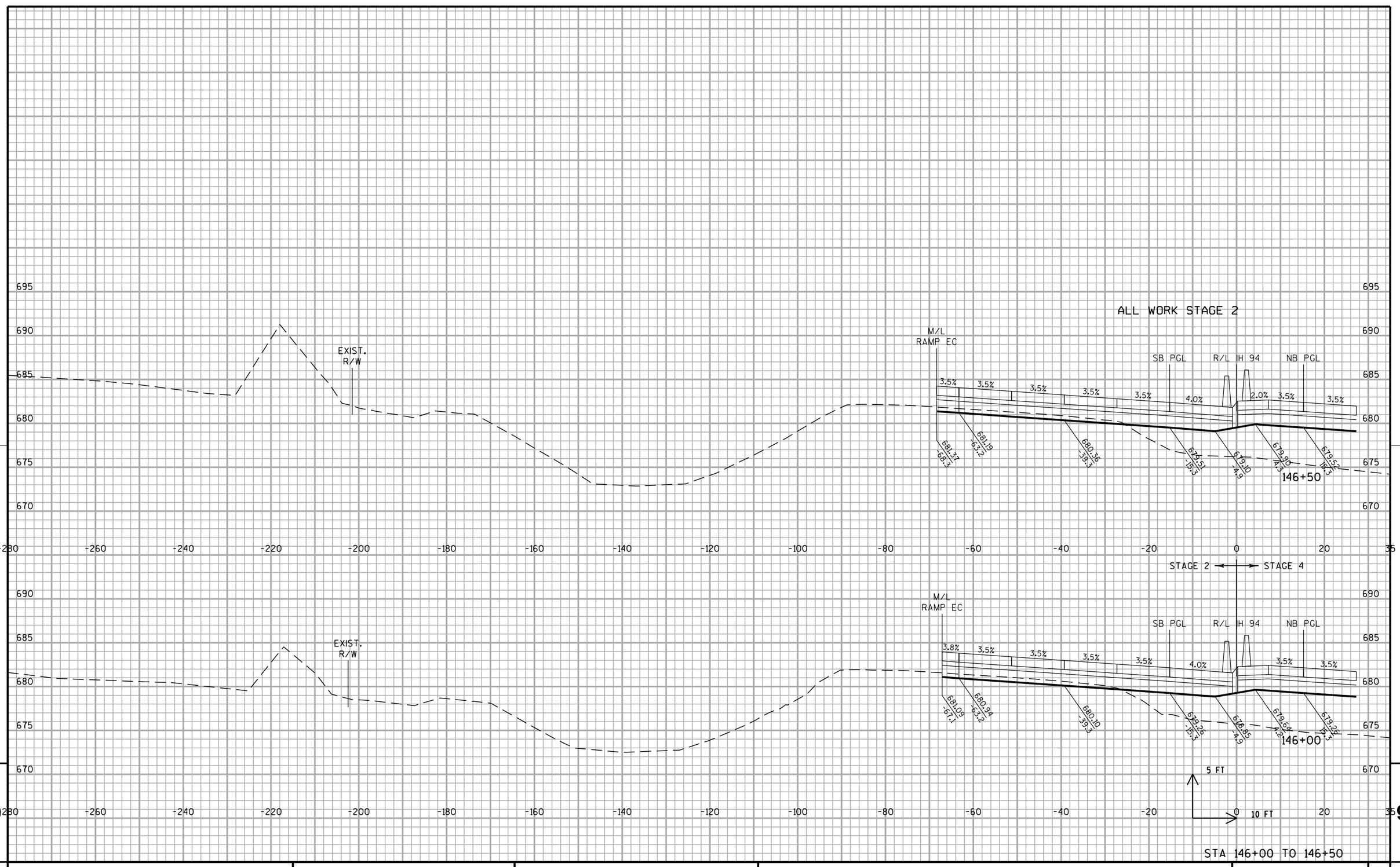
PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 SB	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090202_xs_ih94_sb.dgn PLOT DATE : 11-JUL-2018 22:13 PLOT BY : MSCD1S PLOT NAME : 090202_xs_ih94_sb1 PLOT SCALE : 20:1



STA 144+50 TO 145+50

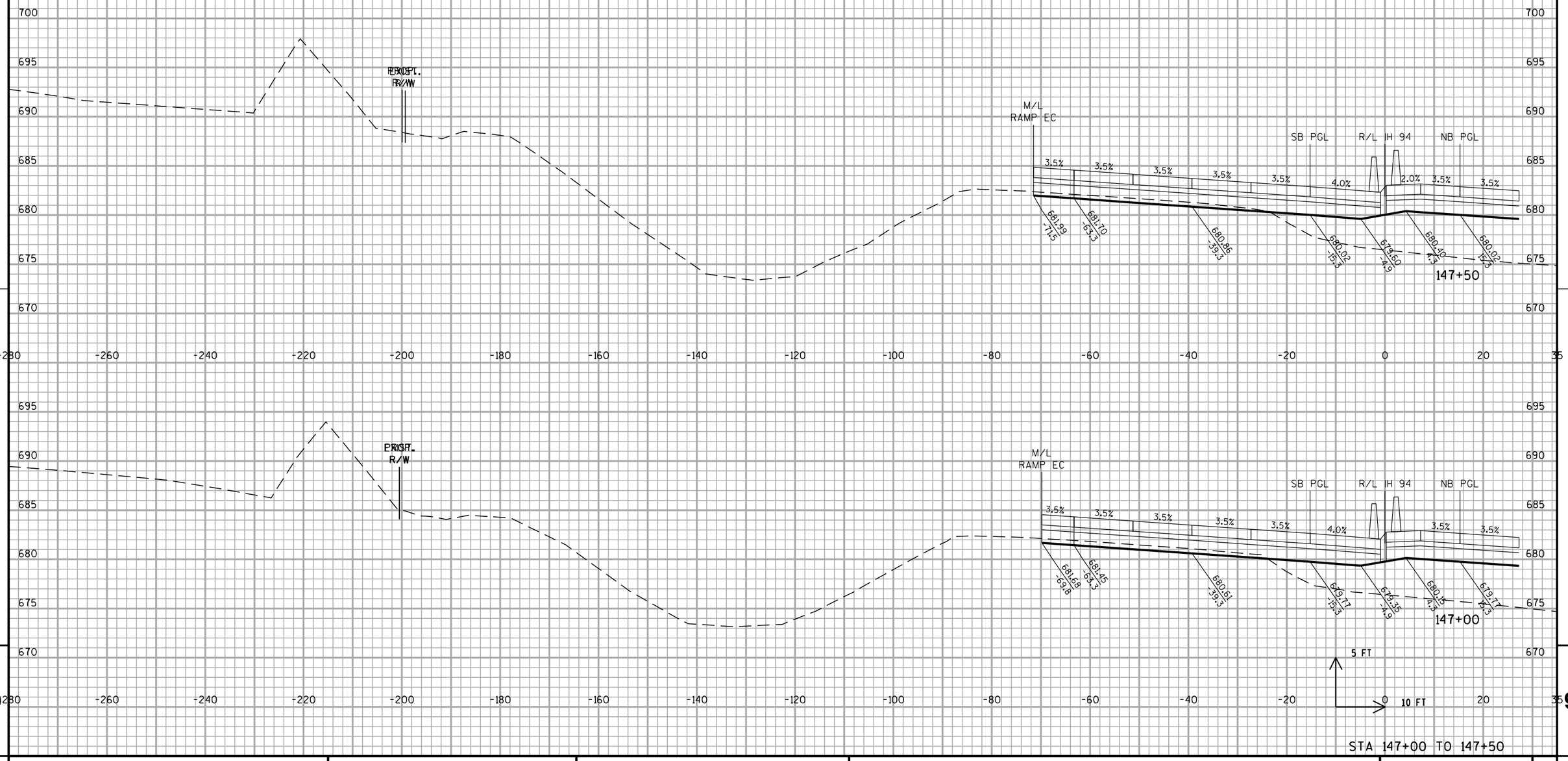
PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 SB	SHEET	E



STA 146+00 TO 146+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 SB	SHEET	E

ALL WORK STAGE 2



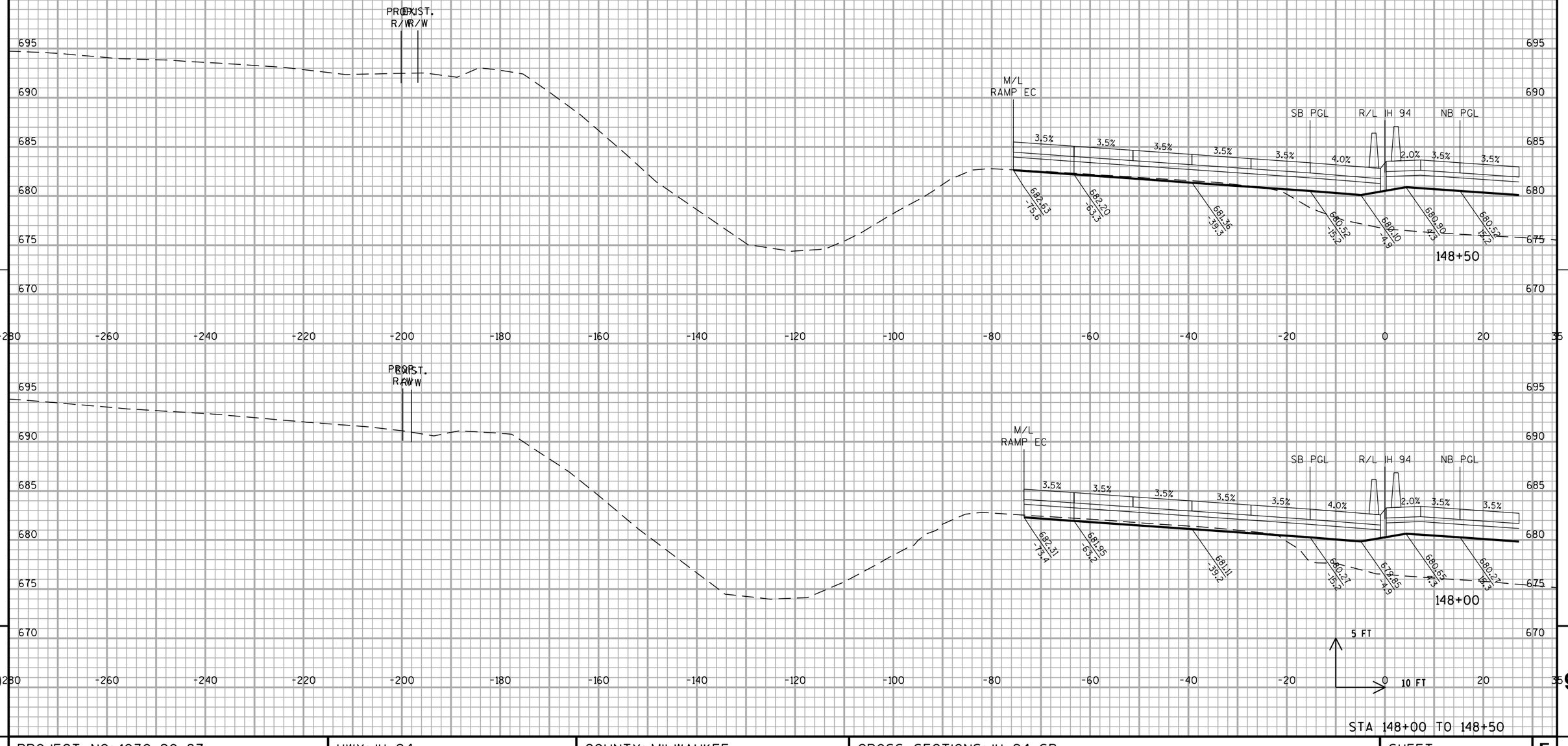
STA 147+00 TO 147+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 SB	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090202_xs_ih94_sb.dgn PLOT DATE : 11-JUL-2018 22:13 PLOT BY : MSCD1S PLOT NAME : 090202_xs_ih94_sb13 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 2

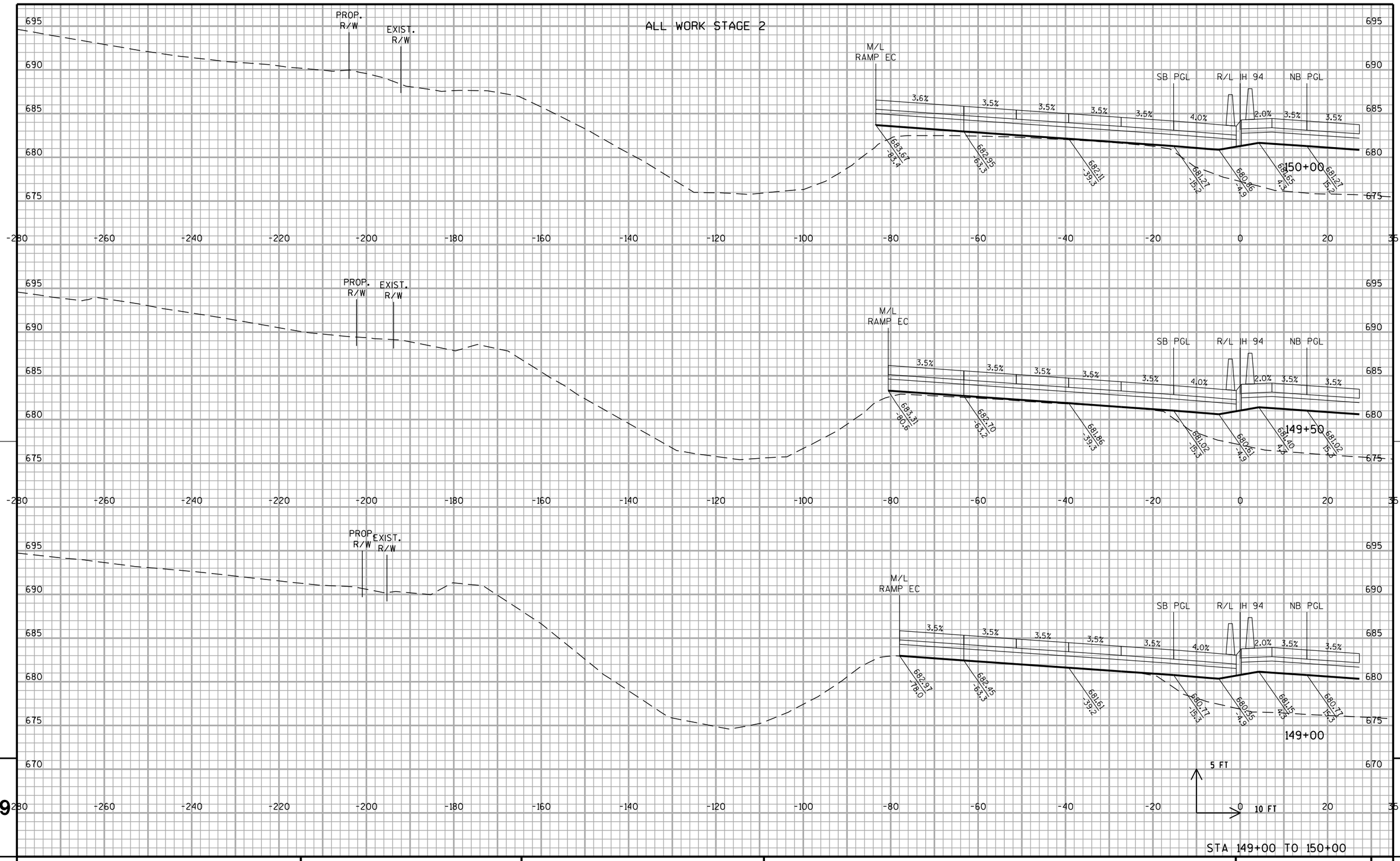


STA 148+00 TO 148+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 SB	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090202_xs_ih94_sb.dgn PLOT DATE : 11-JUL-2018 22:13 PLOT BY : MSCD1S PLOT NAME : 090202_xs_ih94_sb14PLOT SCALE : 20:1

ALL WORK STAGE 2



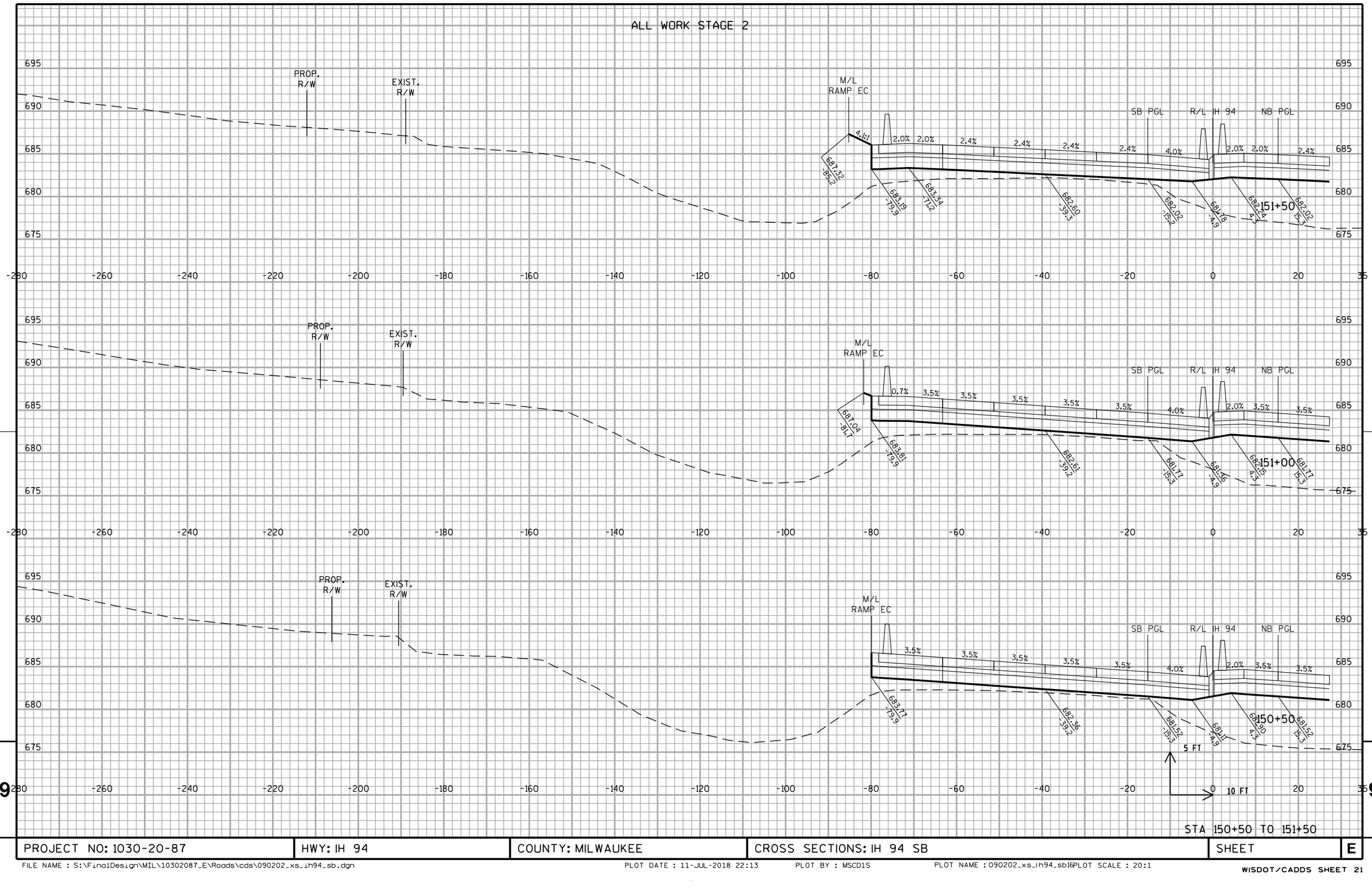
STA 149+00 TO 150+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 SB	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090202_xs_ih94_sb.dgn PLOT DATE : 11-JUL-2018 22:13 PLOT BY : MSCD1S PLOT NAME : 090202_xs_ih94_sb15PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 2

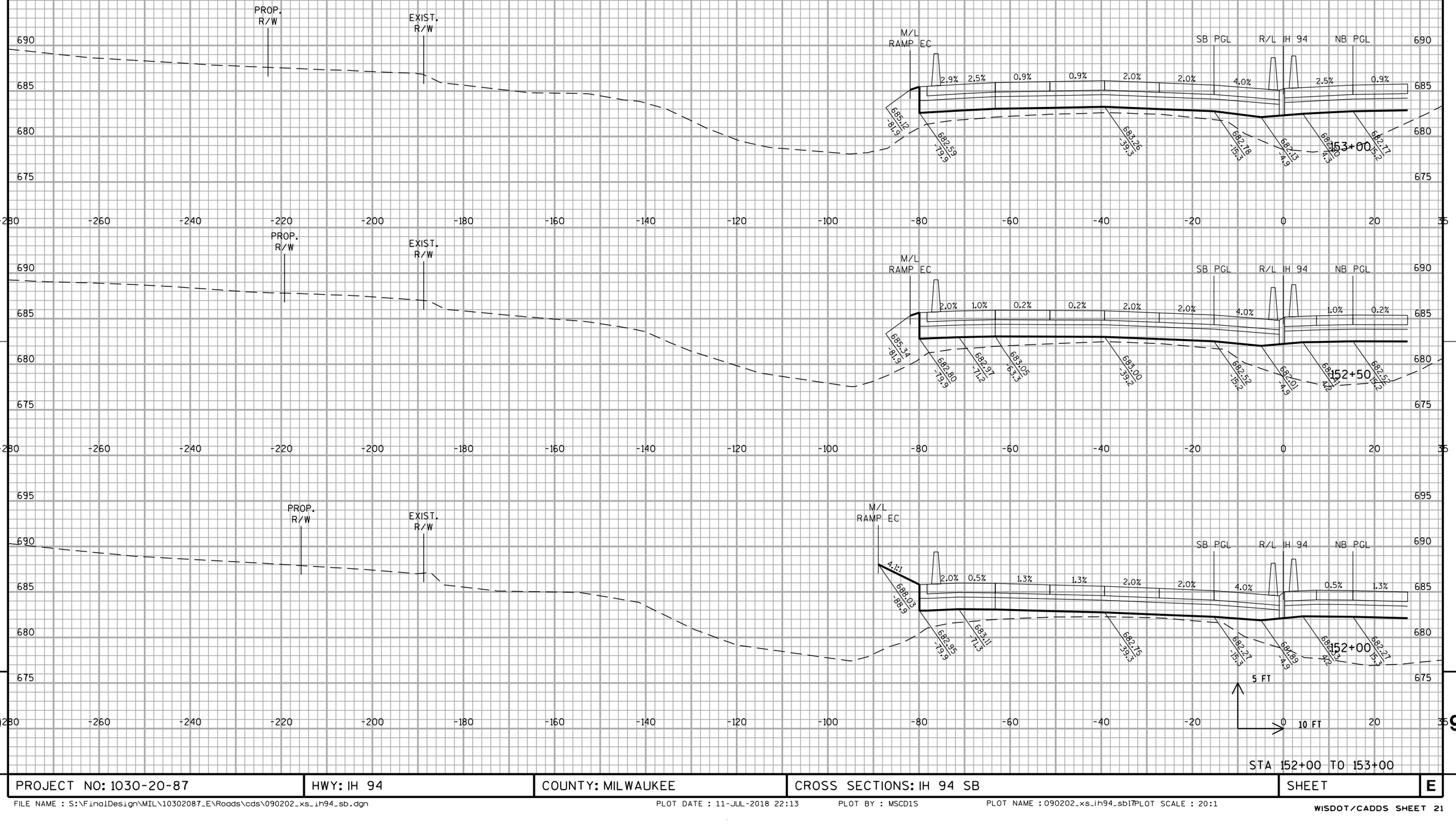


STA 150+50 TO 151+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 SB	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090202_xs_ih94_sb.dgn PLOT DATE : 11-JUL-2018 22:13 PLOT BY : MSCD1S PLOT NAME : 090202_xs_ih94_sb16PLOT SCALE : 20:1

ALL WORK STAGE 2

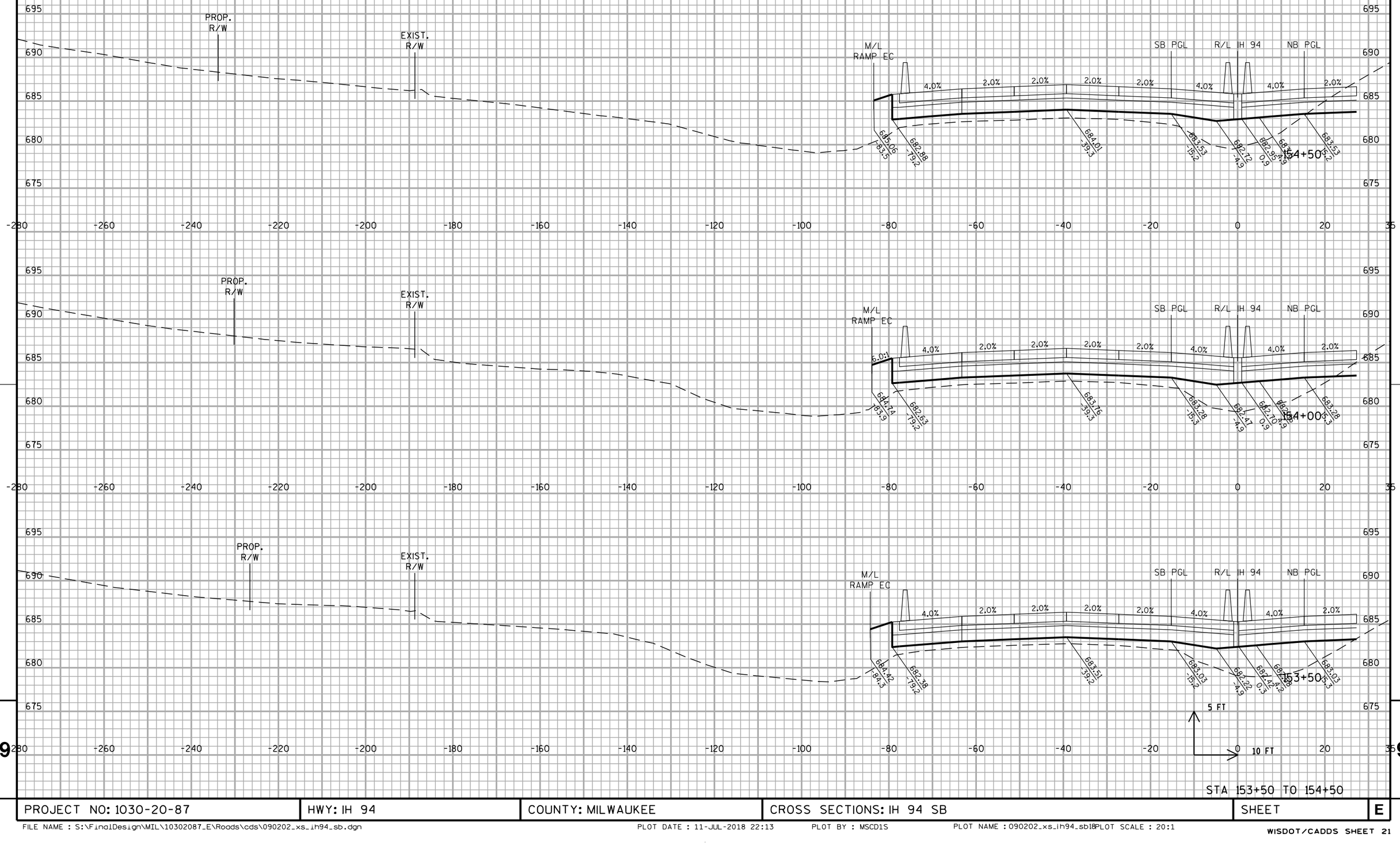


STA 152+00 TO 153+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 SB	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090202_xs_ih94_sb.dgn PLOT DATE : 11-JUL-2018 22:13 PLOT BY : MSCD1S PLOT NAME : 090202_xs_ih94_sb17 PLOT SCALE : 20:1

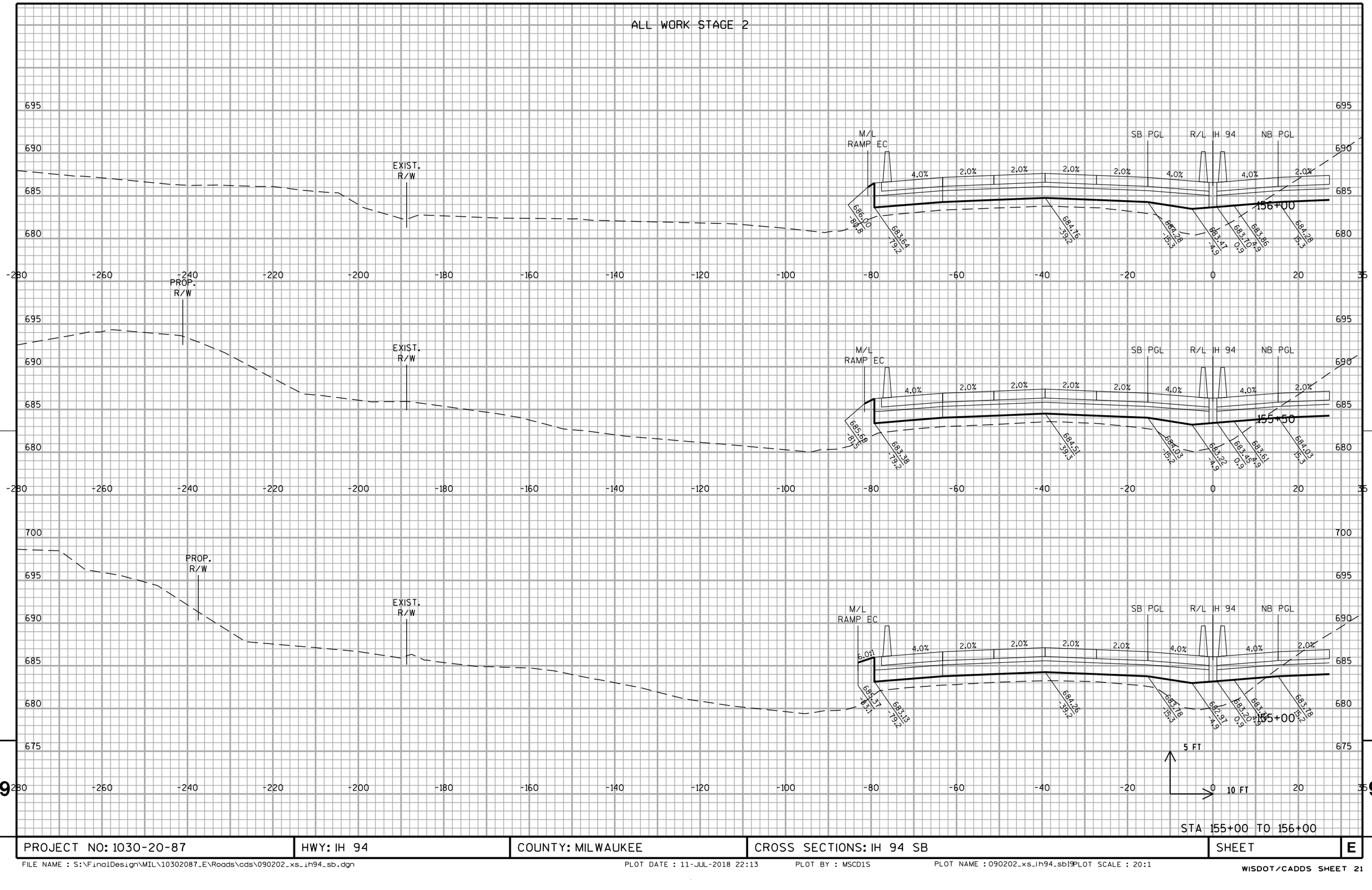
ALL WORK STAGE 2



STA 153+50 TO 154+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 SB	SHEET	E

ALL WORK STAGE 2

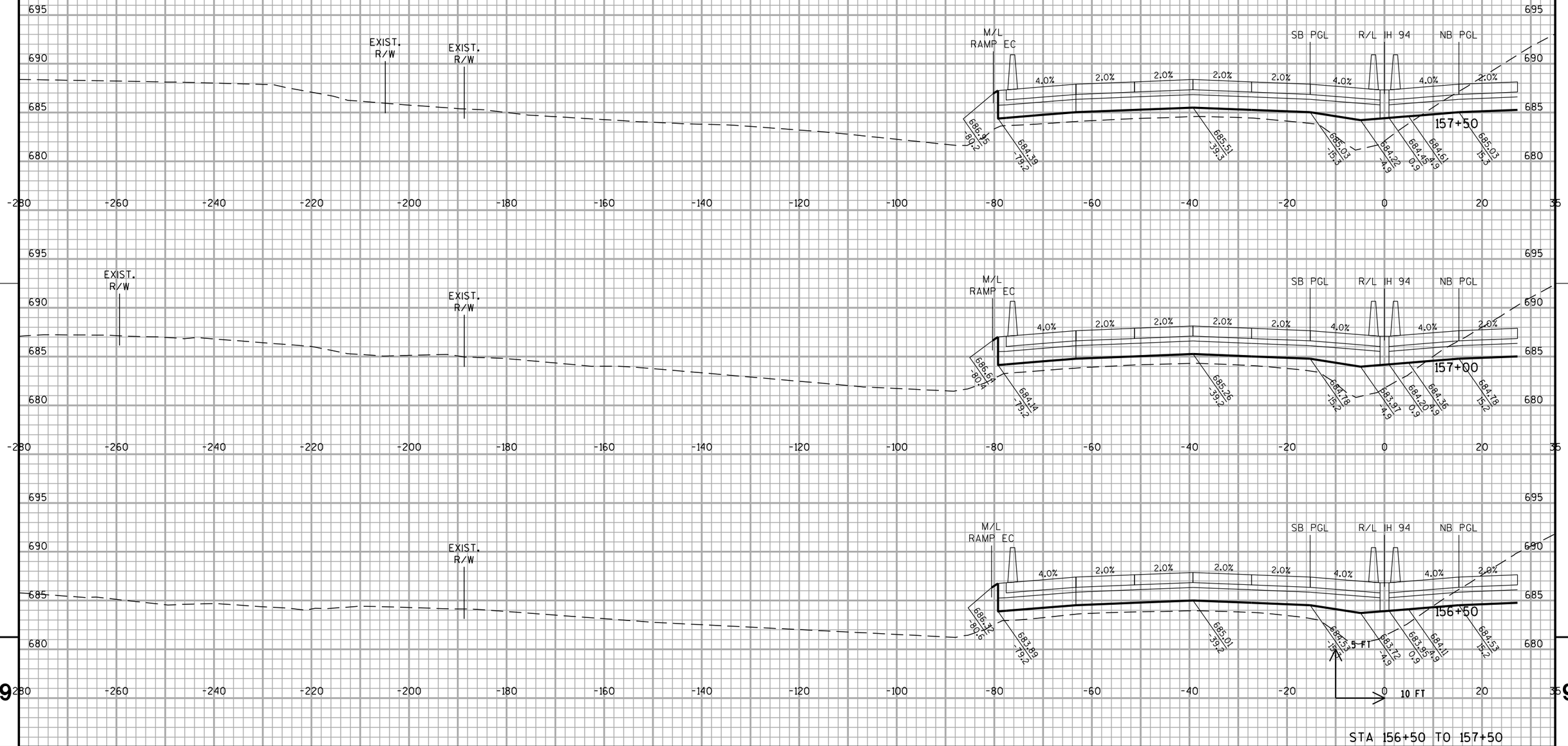


STA 155+00 TO 156+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 SB	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090202_xs_ih94_sb.dgn PLOT DATE : 11-JUL-2018 22:13 PLOT BY : MSCD1S PLOT NAME : 090202_xs_ih94_sb19 PLOT SCALE : 20:1

ALL WORK STAGE 2

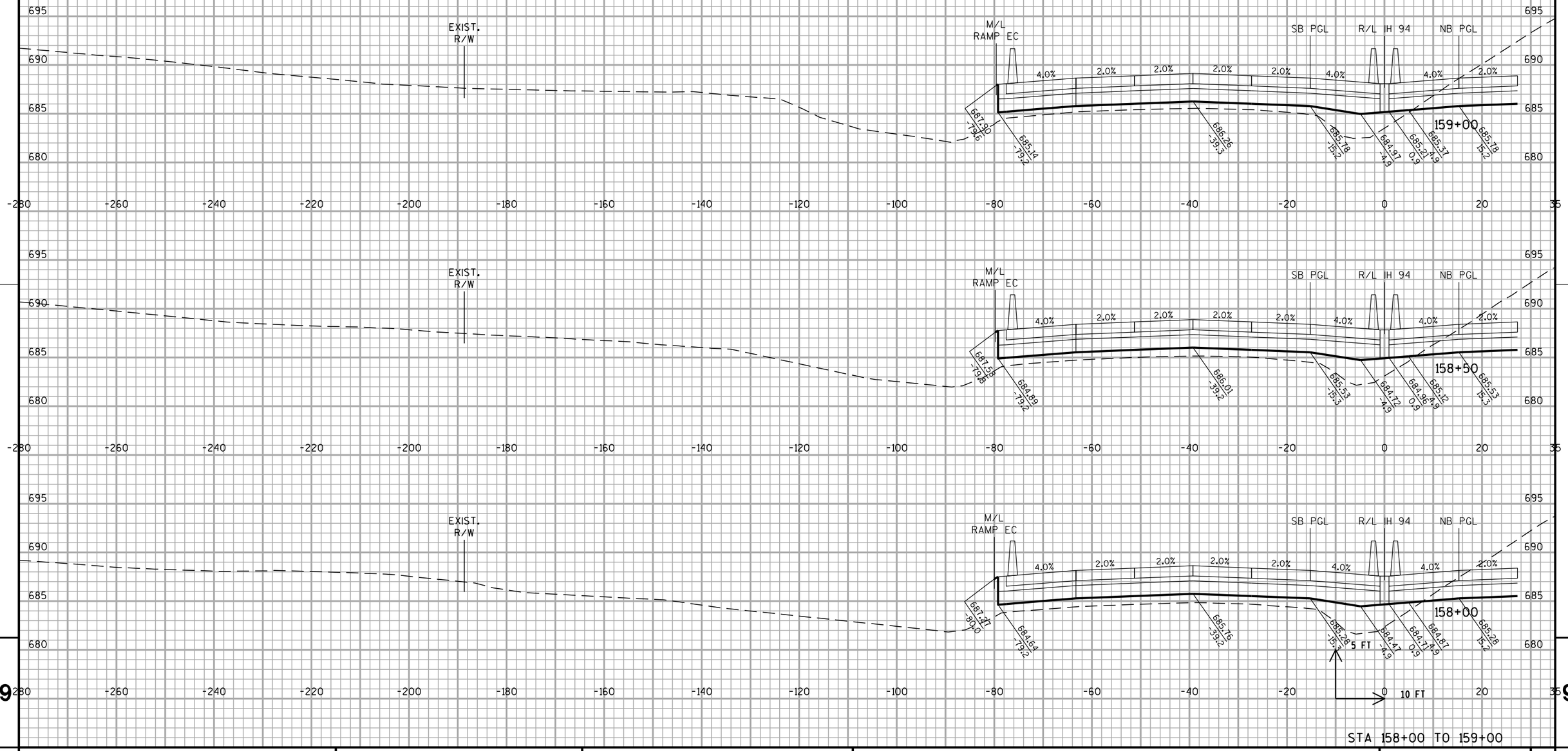

695
690
685
680
EXIST. R/W
EXIST. R/W
M/L RAMP EC
SB PGL
R/L IH 94
NB PGL
4.0%
2.0%
2.0%
2.0%
2.0%
4.0%
4.0%
2.0%
686.92 -80.2
684.39 -79.2
685.51 -39.3
685.03 -15.3
684.22 -4.9
684.45 0.9
684.61 4.9
685.03 15.3
157+50
EXIST. R/W
EXIST. R/W
M/L RAMP EC
SB PGL
R/L IH 94
NB PGL
686.64 -80.4
684.14 -79.2
685.26 -39.2
684.78 -15.2
683.97 -4.9
684.20 0.9
684.36 4.9
684.78 15.2
157+00
EXIST. R/W
EXIST. R/W
M/L RAMP EC
SB PGL
R/L IH 94
NB PGL
686.72 -80.6
683.89 -79.2
685.01 -39.2
684.53 -15.2
5 FT
683.72 -4.9
683.95 0.9
684.11 4.9
684.53 15.2
156+50
10 FT
-280
-260
-240
-220
-200
-180
-160
-140
-120
-100
-80
-60
-40
-20
0
20
35

STA 156+50 TO 157+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 SB	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090202_xs_ih94_sb.dgn PLOT DATE : 11-JUL-2018 22:13 PLOT BY : MSCD1S PLOT NAME : 090202_xs_ih94_sb2 PLOT SCALE : 20:1

ALL WORK STAGE 2



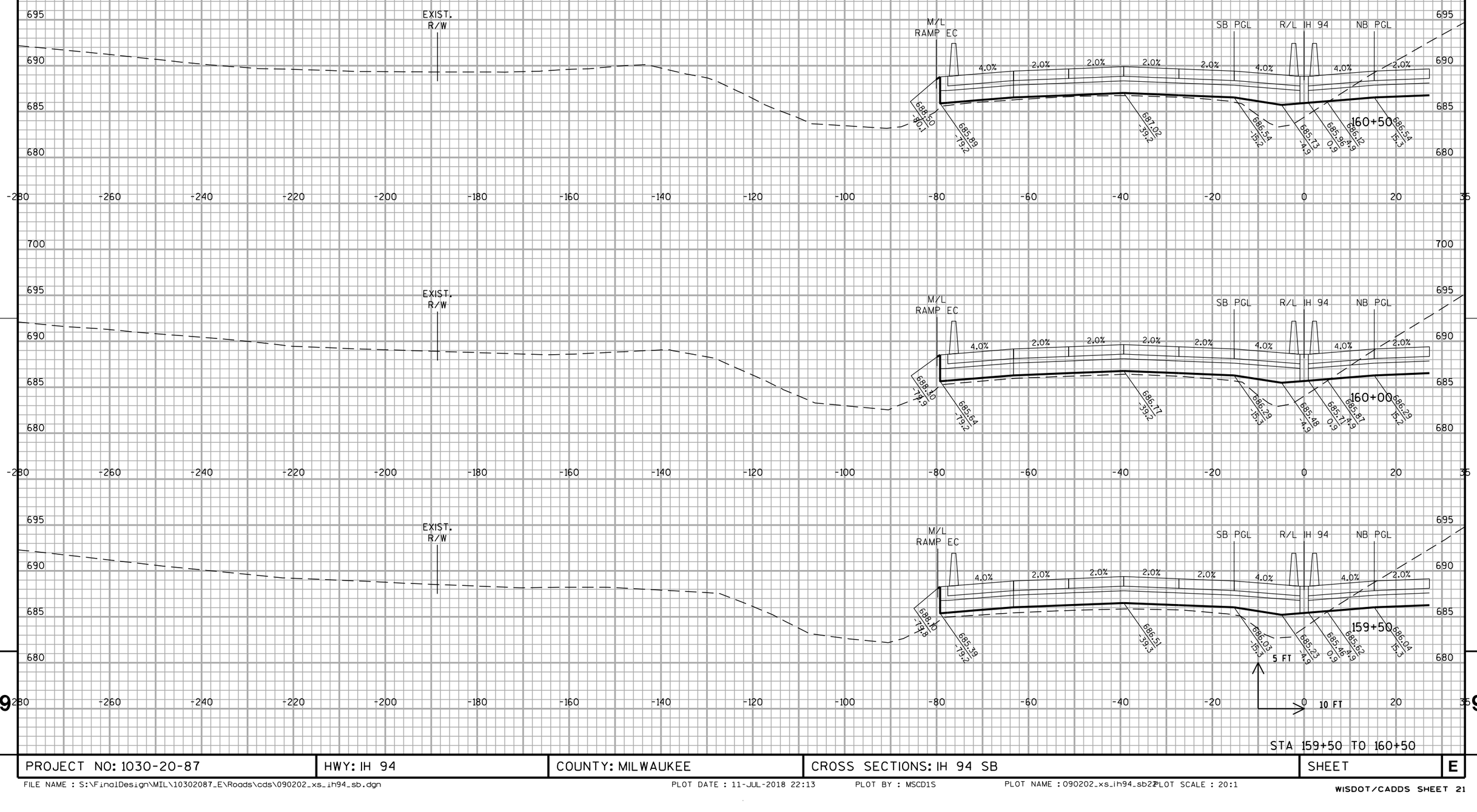
STA 158+00 TO 159+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 SB	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090202_xs_ih94_sb.dgn PLOT DATE : 11-JUL-2018 22:13 PLOT BY : MSCD1S PLOT NAME : 090202_xs_ih94_sb2 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

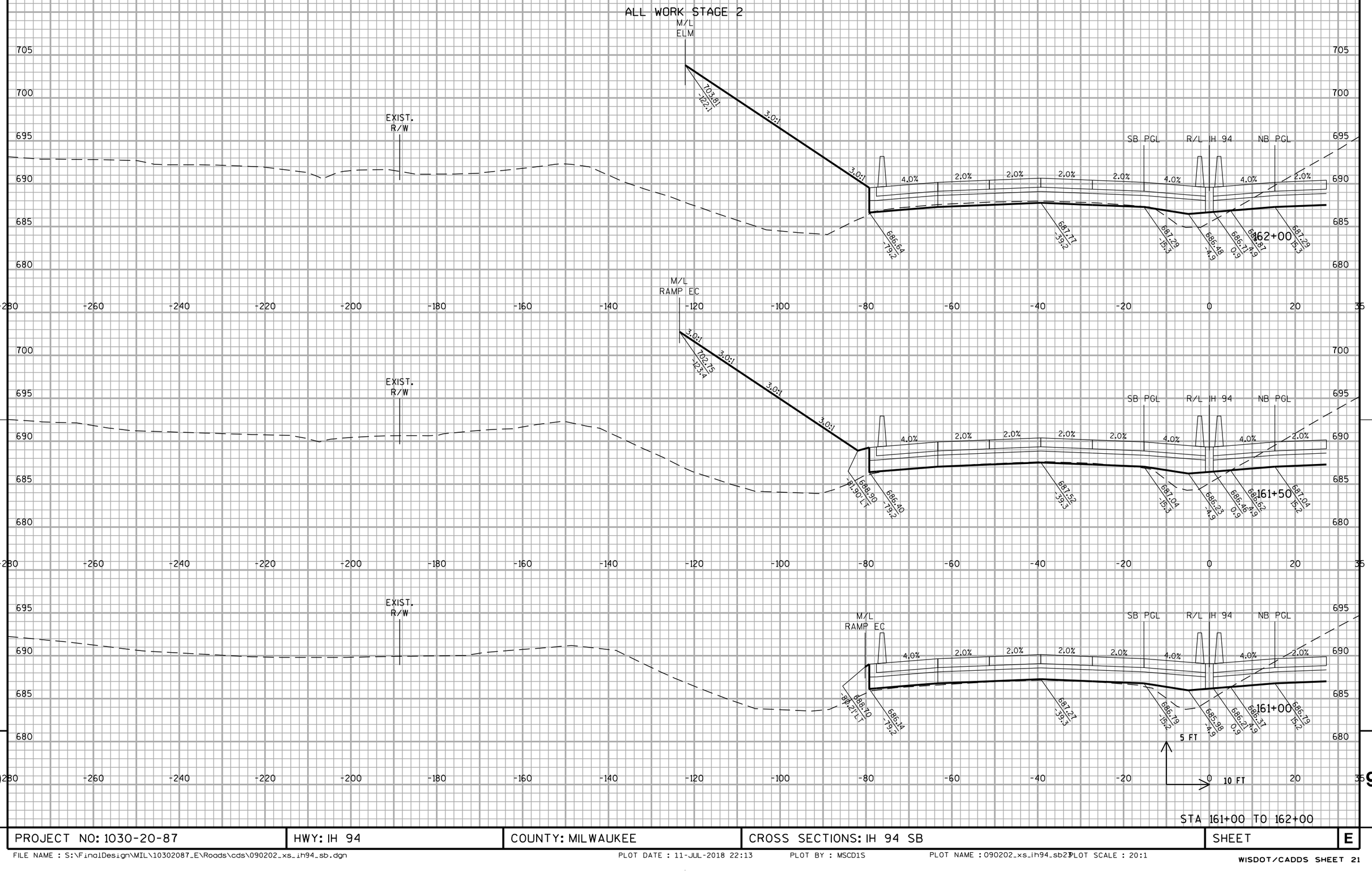
ALL WORK STAGE 2



STA 159+50 TO 160+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 SB	SHEET	E

ALL WORK STAGE 2

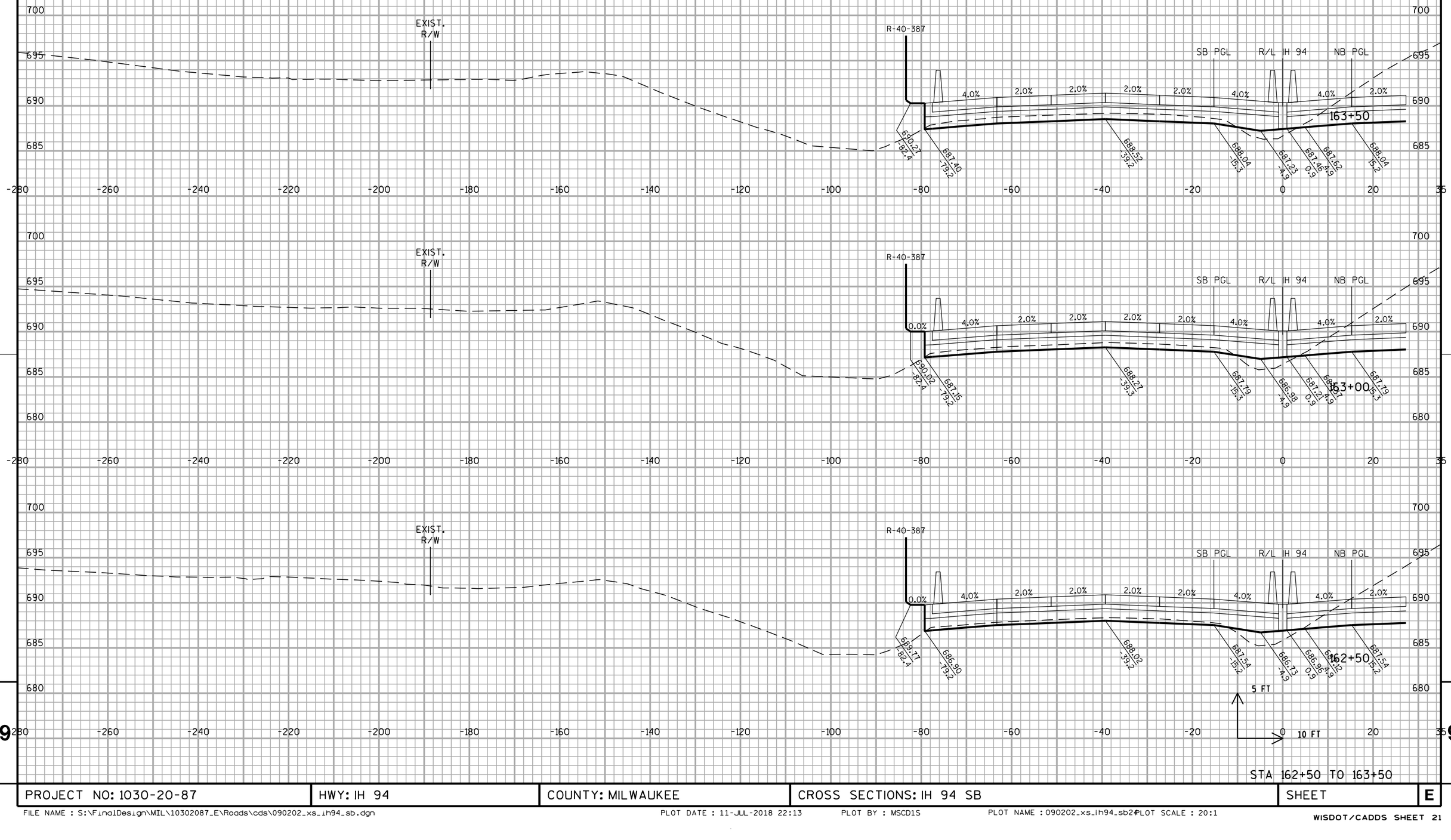


STA 161+00 TO 162+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 SB	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090202_xs_ih94_sb.dgn PLOT DATE : 11-JUL-2018 22:13 PLOT BY : MSCD1S PLOT NAME : 090202_xs_ih94_sb2 PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

ALL WORK STAGE 2



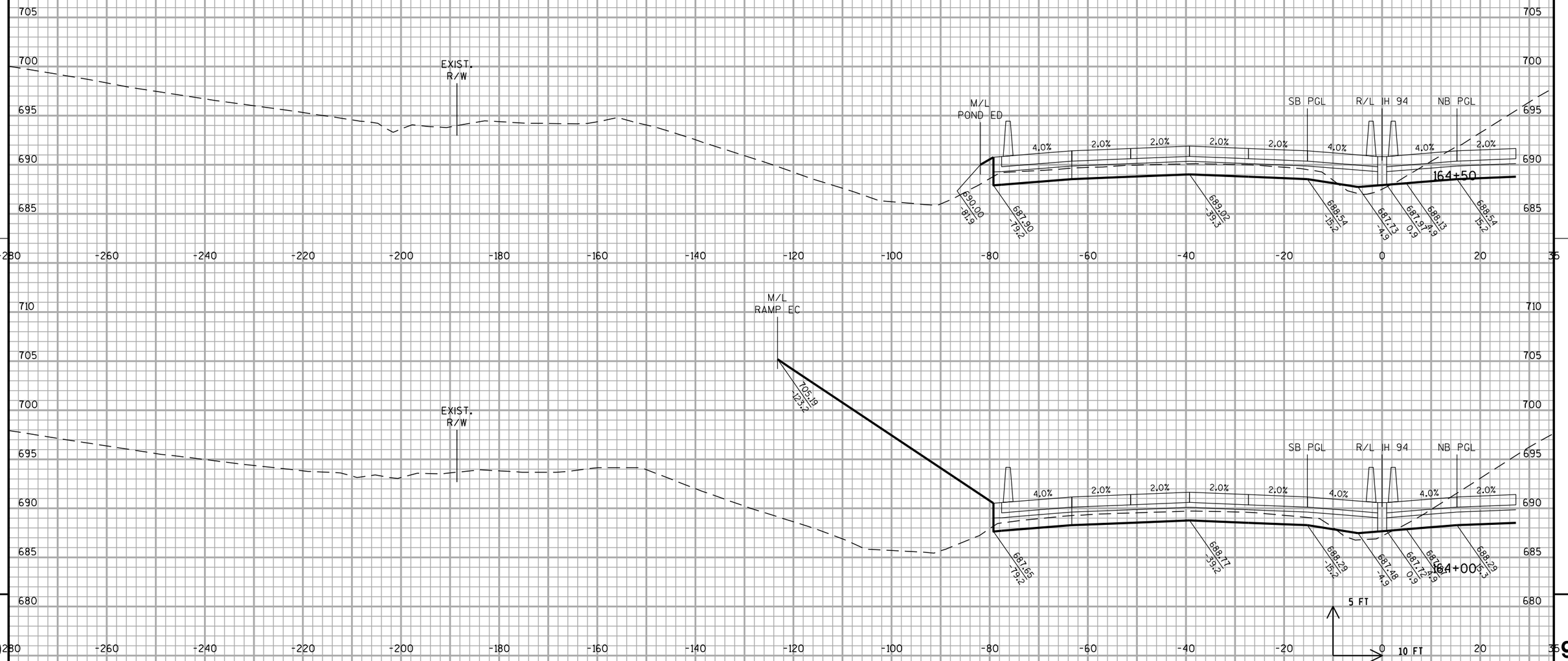
STA 162+50 TO 163+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 SB	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090202_xs_ih94_sb.dgn PLOT DATE : 11-JUL-2018 22:13 PLOT BY : MSCD1S PLOT NAME : 090202_xs_ih94_sb2 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 2



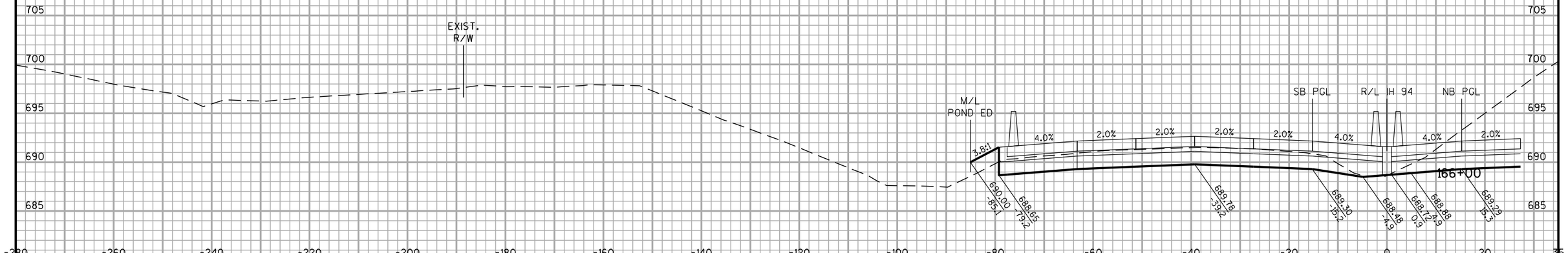
STA 164+00 TO 164+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 SB	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090202_xs_ih94_sb.dgn PLOT DATE : 11-JUL-2018 22:13 PLOT BY : MSCD1S PLOT NAME : 090202_xs_ih94_sb25 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 2







STA 165+00 TO 166+00

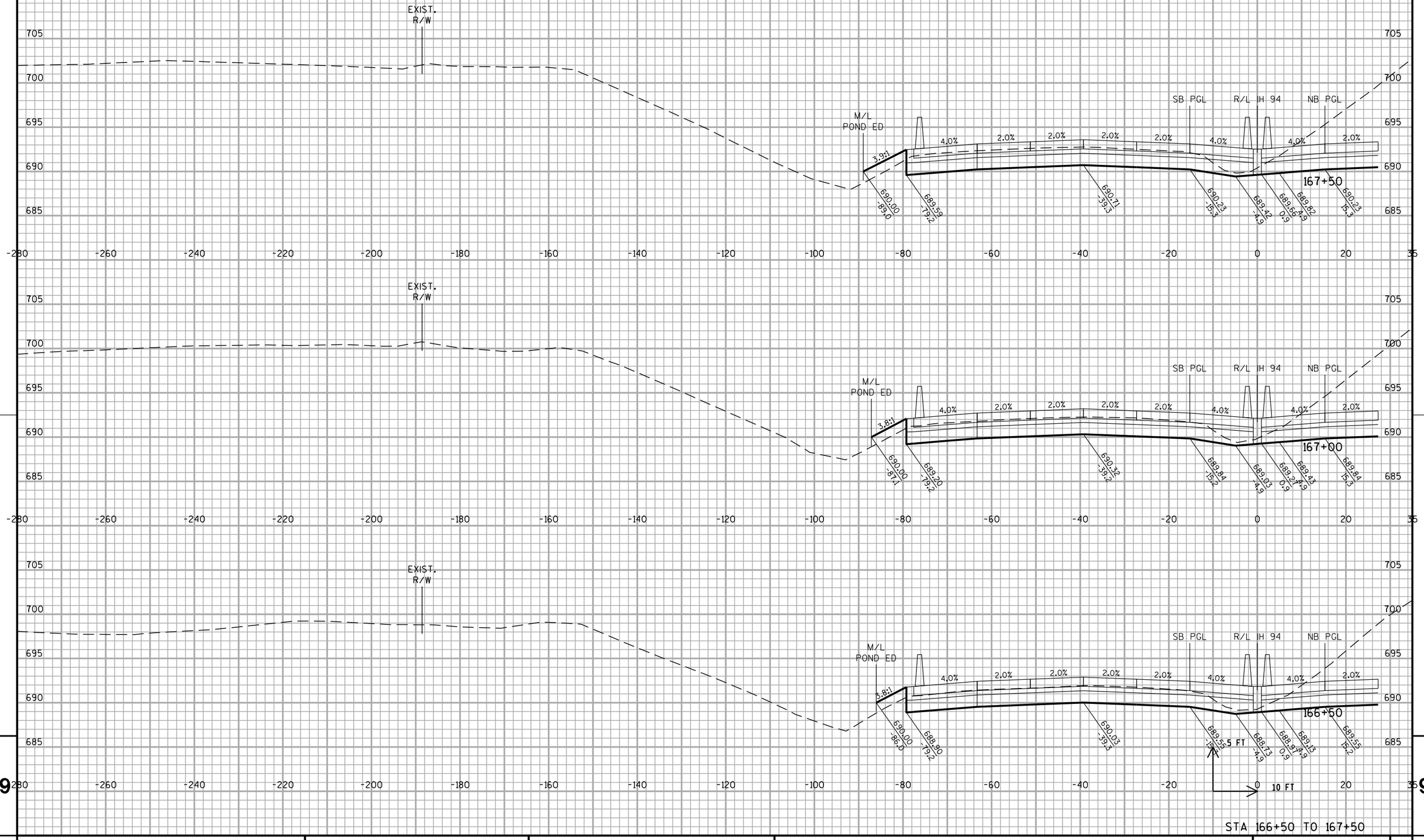
PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 SB	SHEET	E

9

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090202_xs_ih94_sb.dgn PLOT DATE : 11-JUL-2018 22:13 PLOT BY : MSCD1S PLOT NAME : 090202_xs_ih94_sb2 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 2

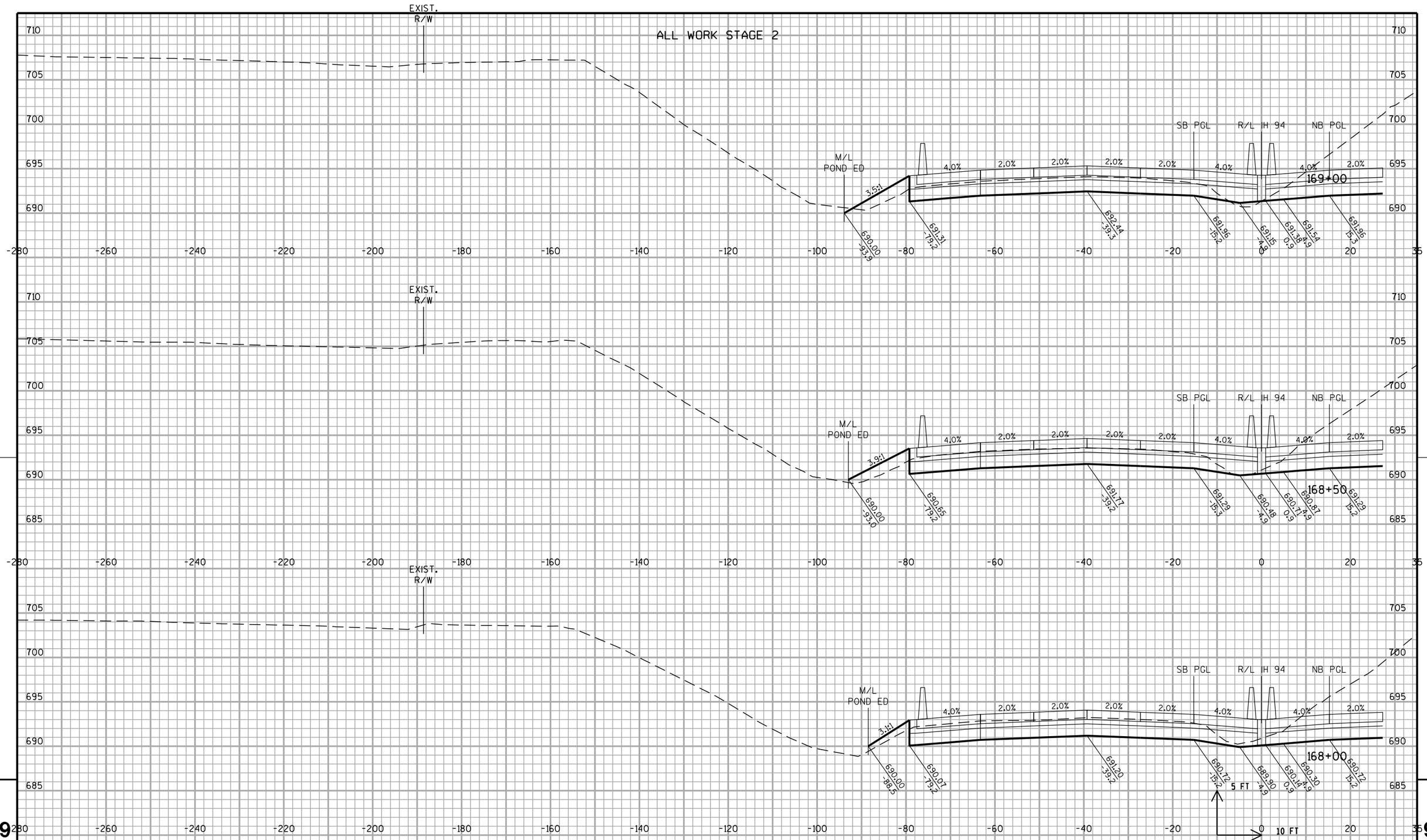


9

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 SB	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090202_xs_ih94_sb.dgn PLOT DATE : 11-JUL-2018 22:14 PLOT BY : MSCD1S PLOT NAME : 090202_xs_ih94_sb2 PLOT SCALE : 20:1

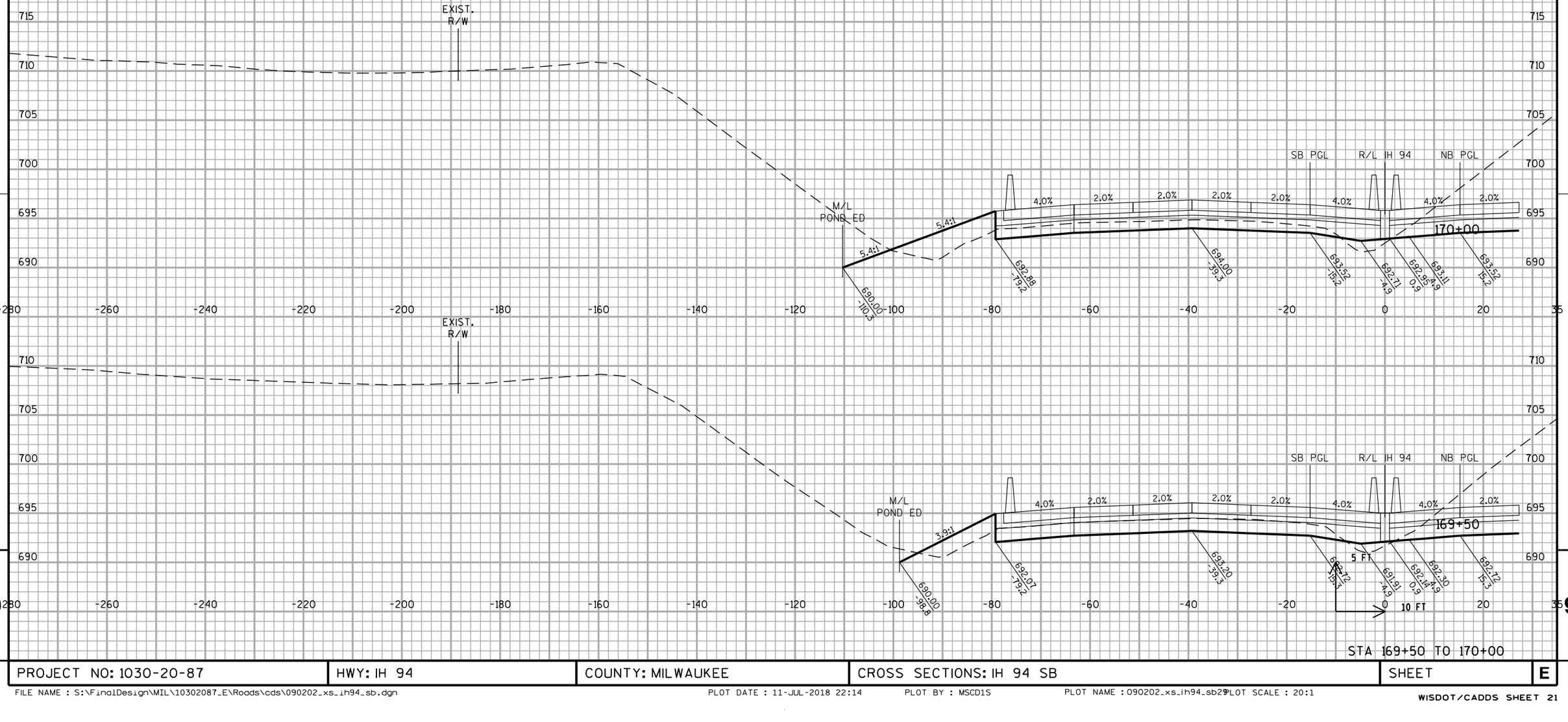
ALL WORK STAGE 2



STA 168+00 TO 169+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 SB	SHEET	E

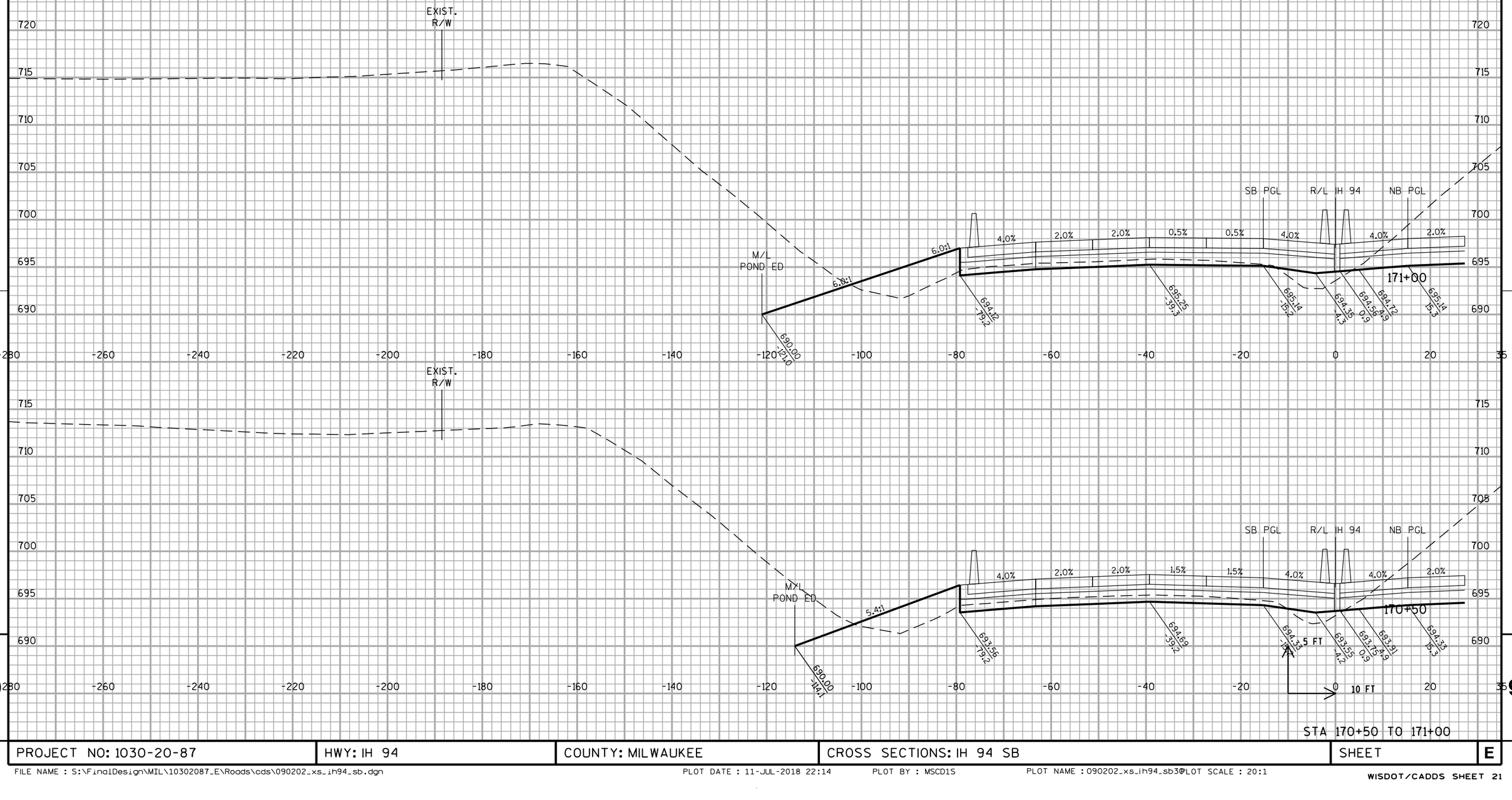
ALL WORK STAGE 2



STA 169+50 TO 170+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 SB	SHEET	E

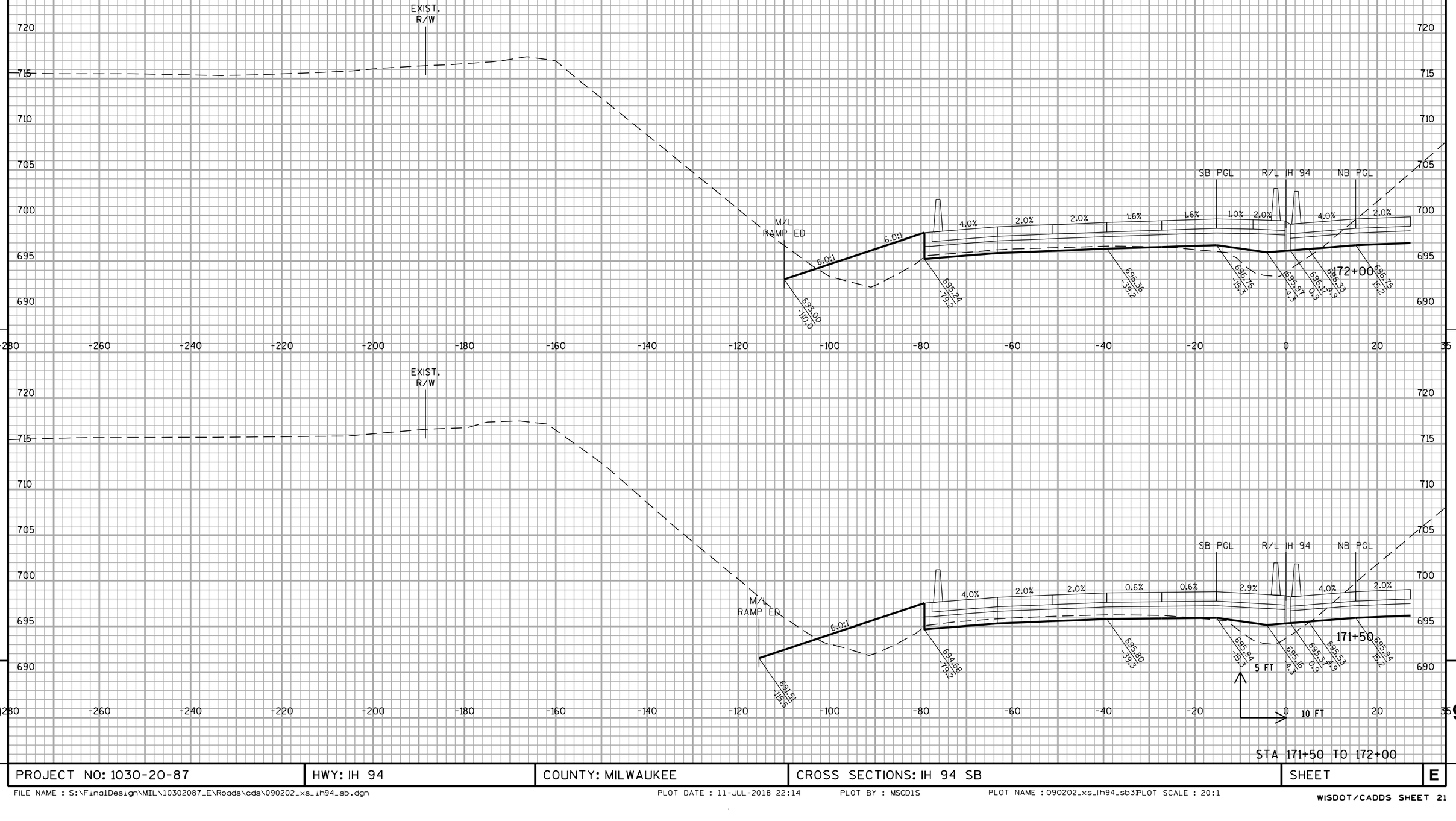
ALL WORK STAGE 2



STA 170+50 TO 171+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 SB	SHEET	E

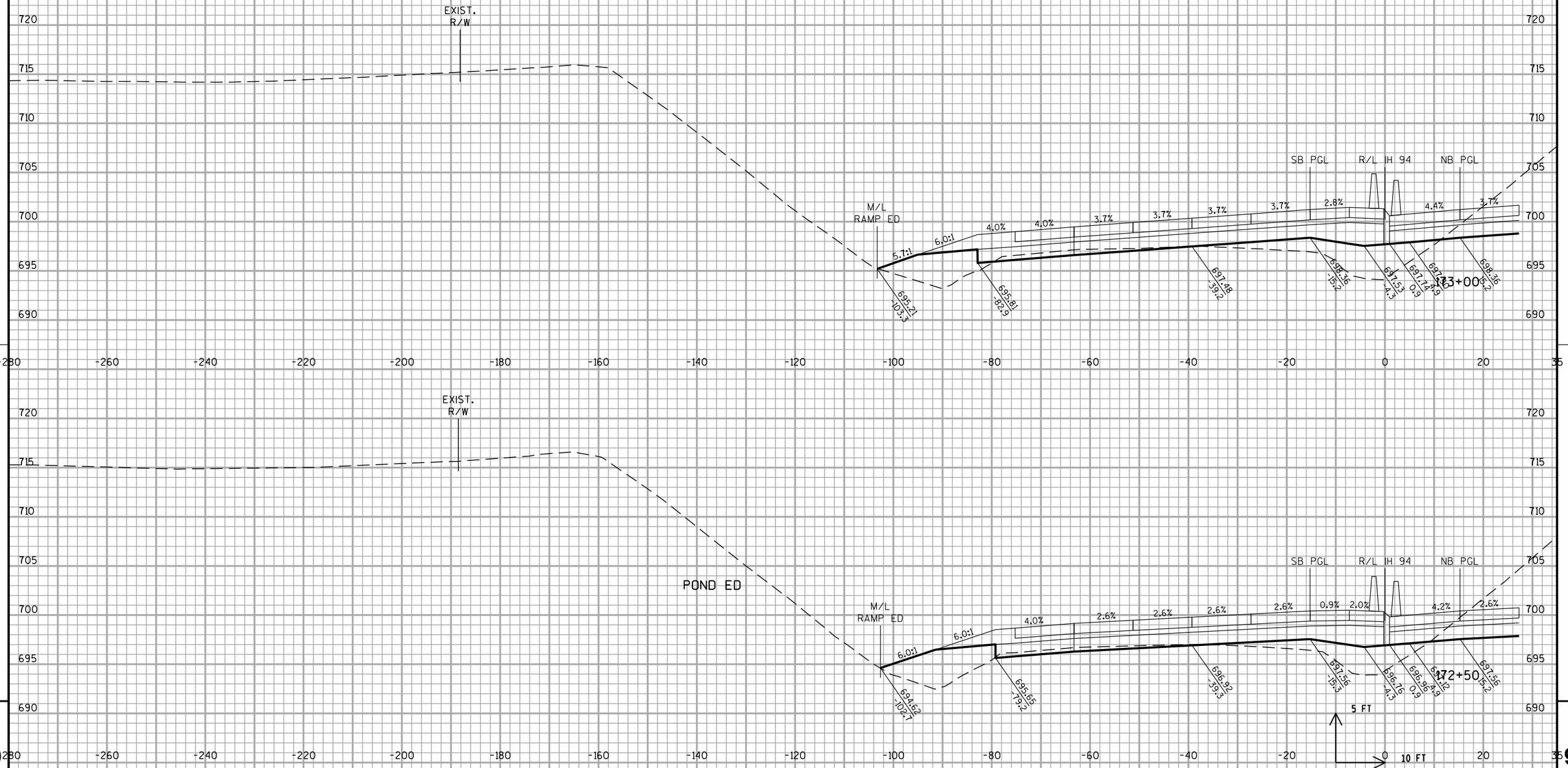
ALL WORK STAGE 2



STA 171+50 TO 172+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 SB	SHEET	E

ALL WORK STAGE 2



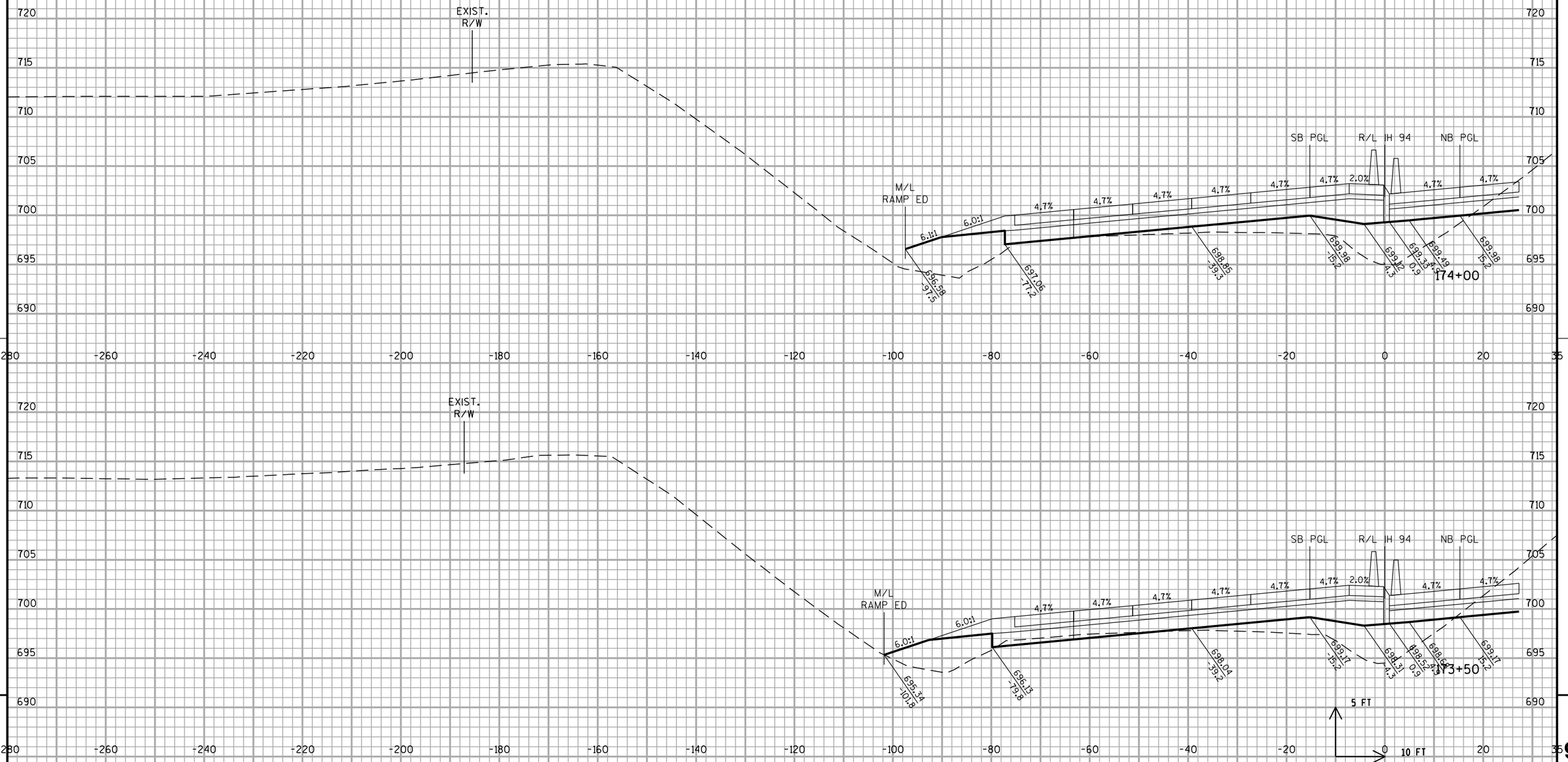
STA 172+50 TO 173+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 SB	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090202_xs_ih94_sb.dgn PLOT DATE : 11-JUL-2018 22:14 PLOT BY : MSCD1S PLOT NAME : 090202_xs_ih94_sb32 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

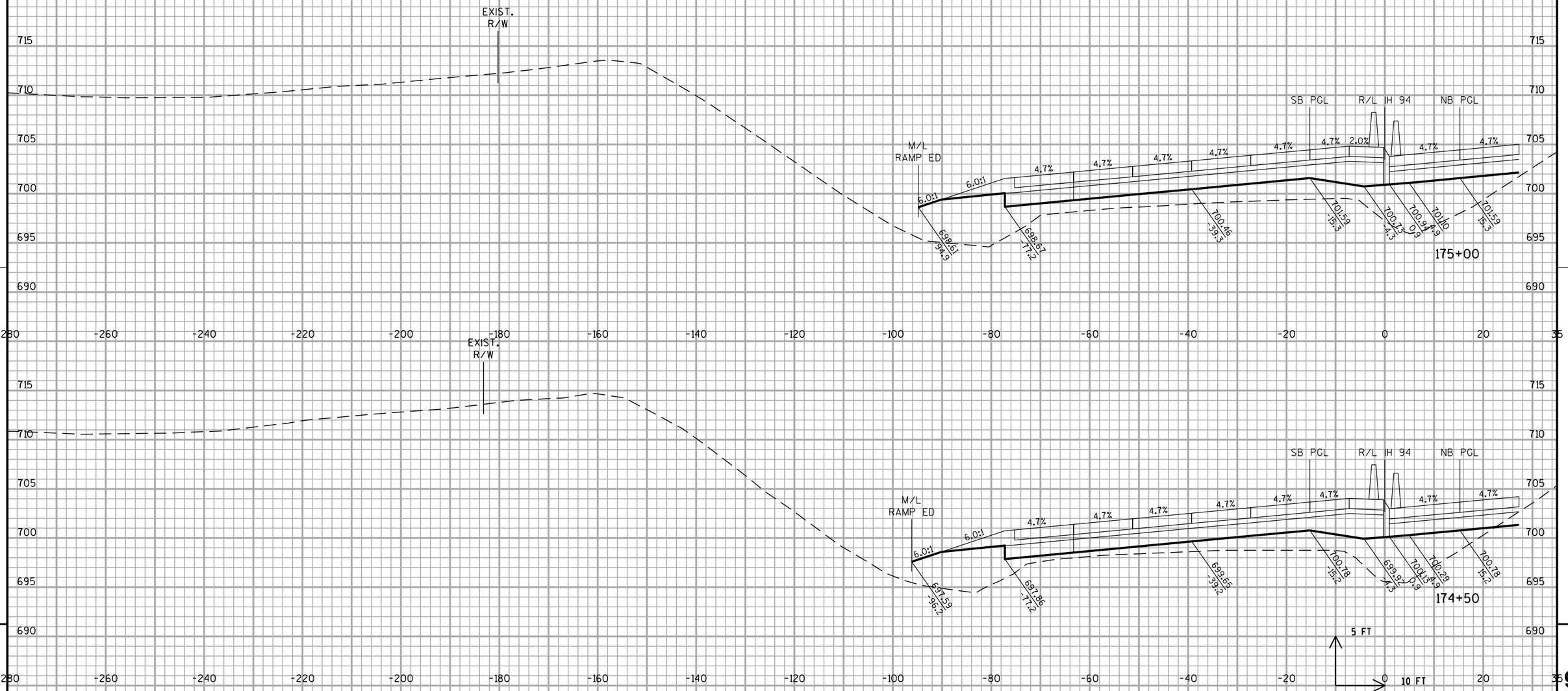
ALL WORK STAGE 2



STA 173+50 TO 174+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 SB	SHEET	E

ALL WORK STAGE 2



9

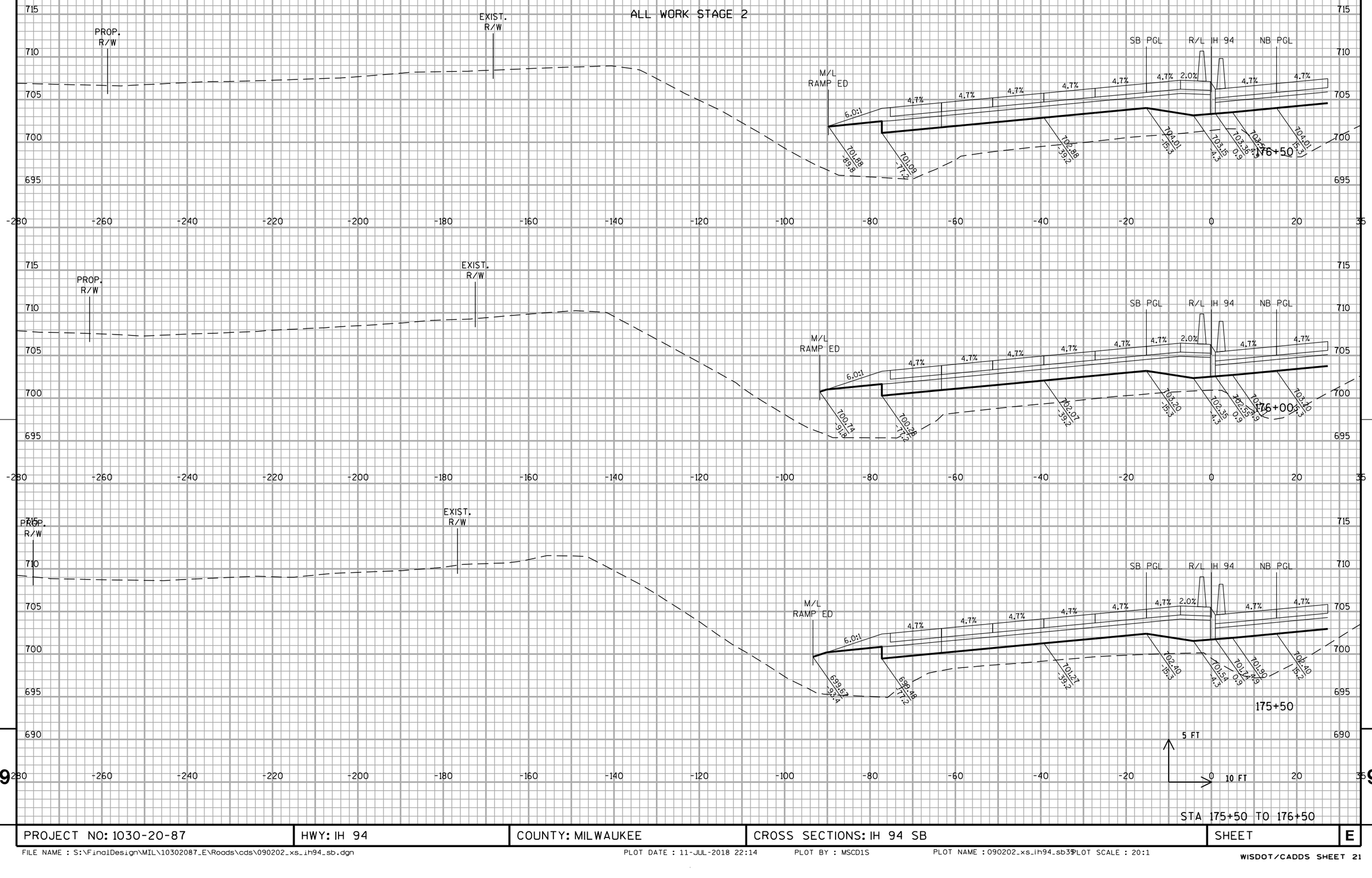
9

STA 174+50 TO 175+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 SB	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090202_xs_ih94_sb.dgn PLOT DATE : 11-JUL-2018 22:14 PLOT BY : MSCD1S PLOT NAME : 090202_xs_ih94_sb3 PLOT SCALE : 20:1

ALL WORK STAGE 2



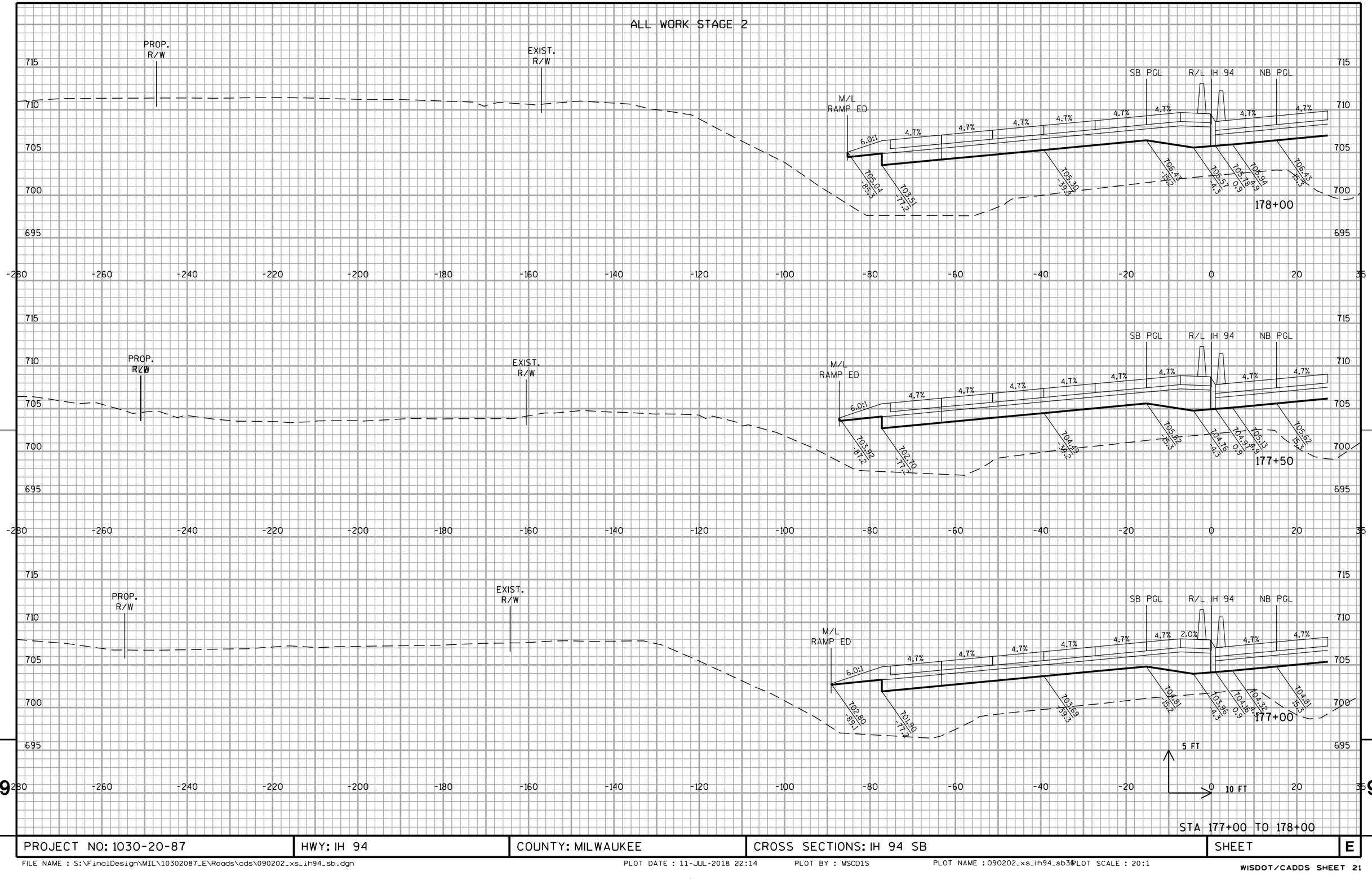
PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 SB	SHEET	E

STA 175+50 TO 176+50

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090202_xs_ih94_sb.dgn PLOT DATE : 11-JUL-2018 22:14 PLOT BY : MSCD1S PLOT NAME : 090202_xs_ih94_sb35 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

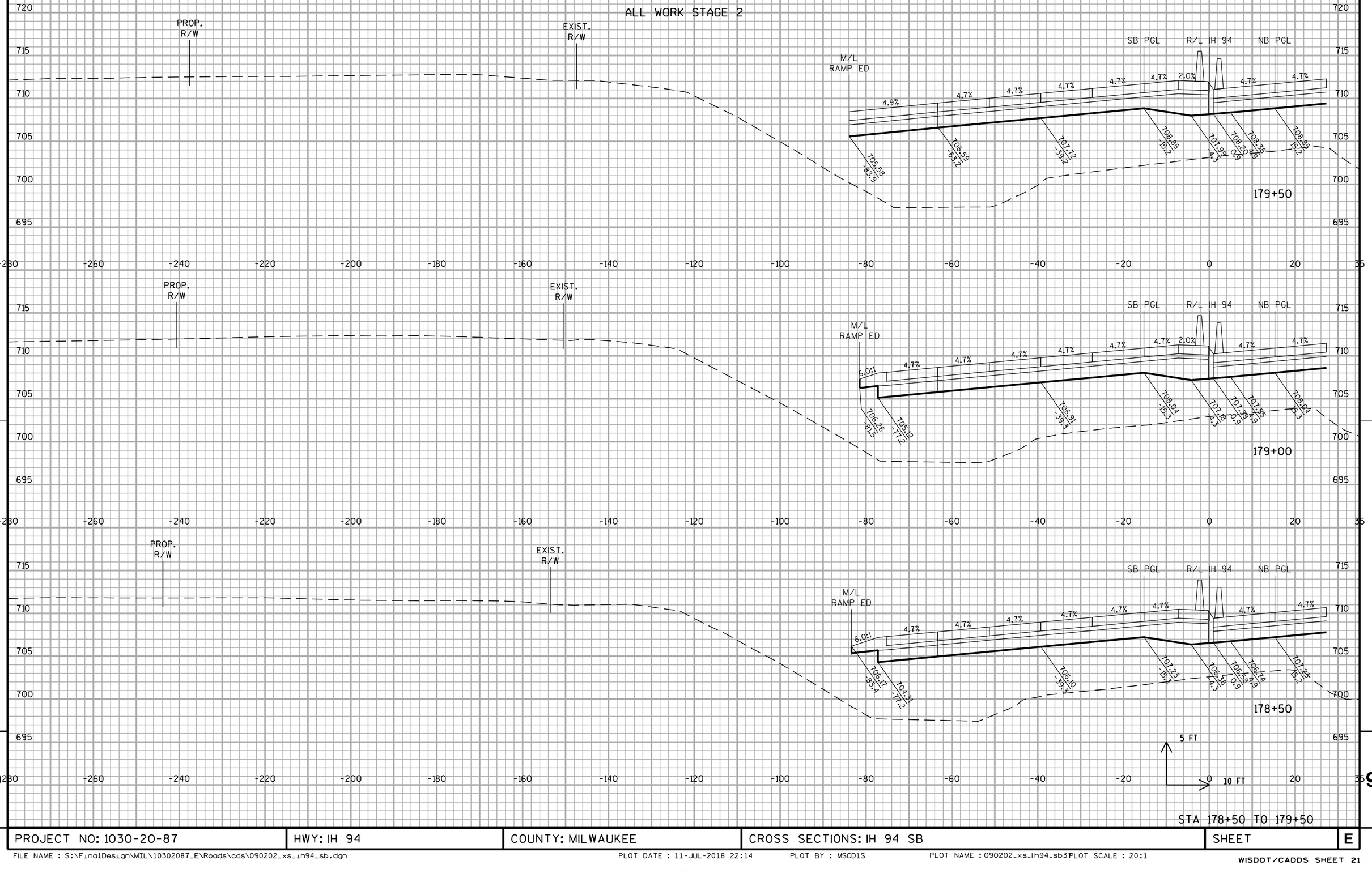
ALL WORK STAGE 2



STA 177+00 TO 178+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 SB	SHEET	E

ALL WORK STAGE 2

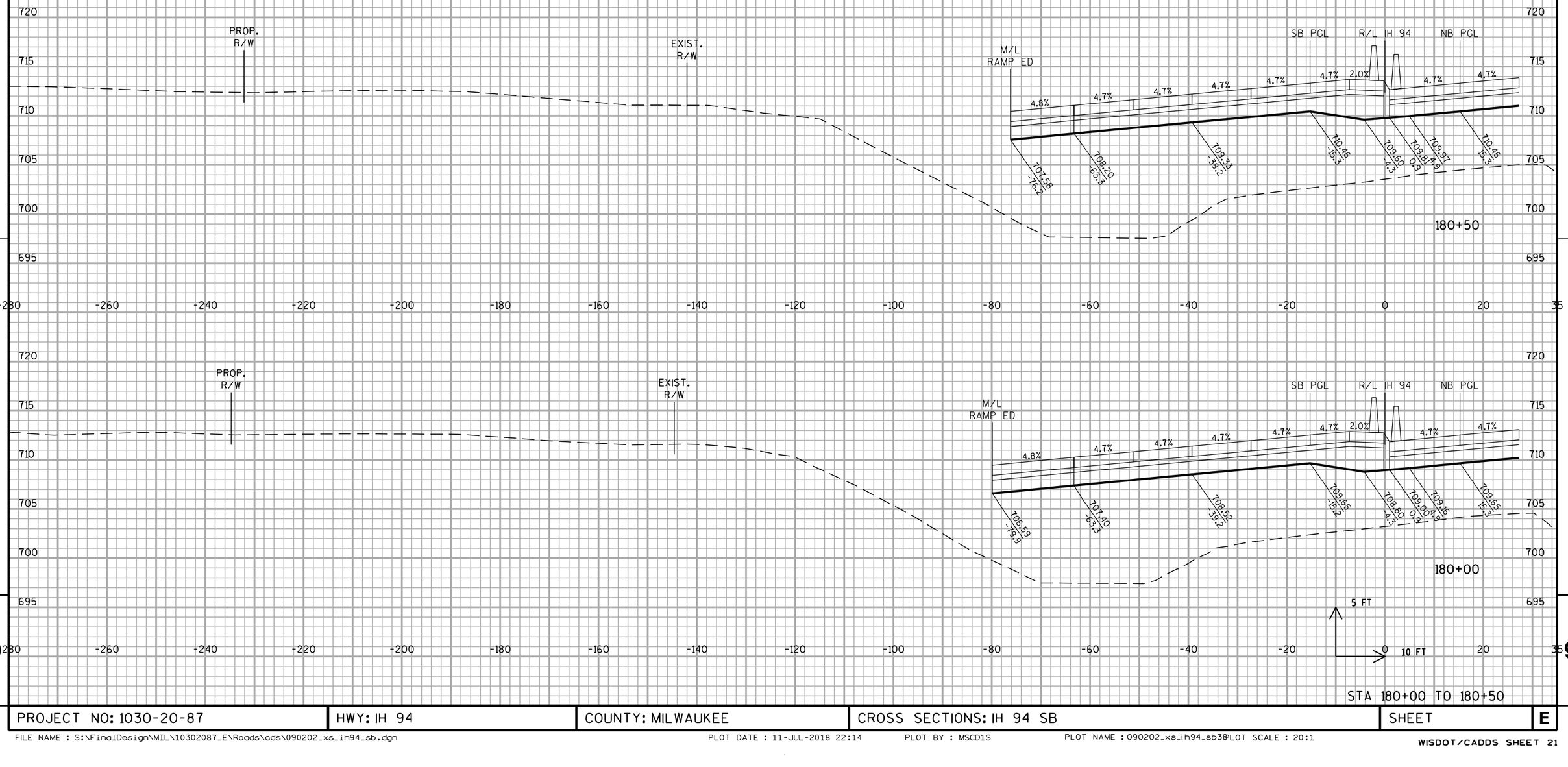


STA 178+50 TO 179+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 SB	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090202_xs_ih94_sb.dgn PLOT DATE : 11-JUL-2018 22:14 PLOT BY : MSCD1S PLOT NAME : 090202_xs_ih94_sb3 PLOT SCALE : 20:1

ALL WORK STAGE 2

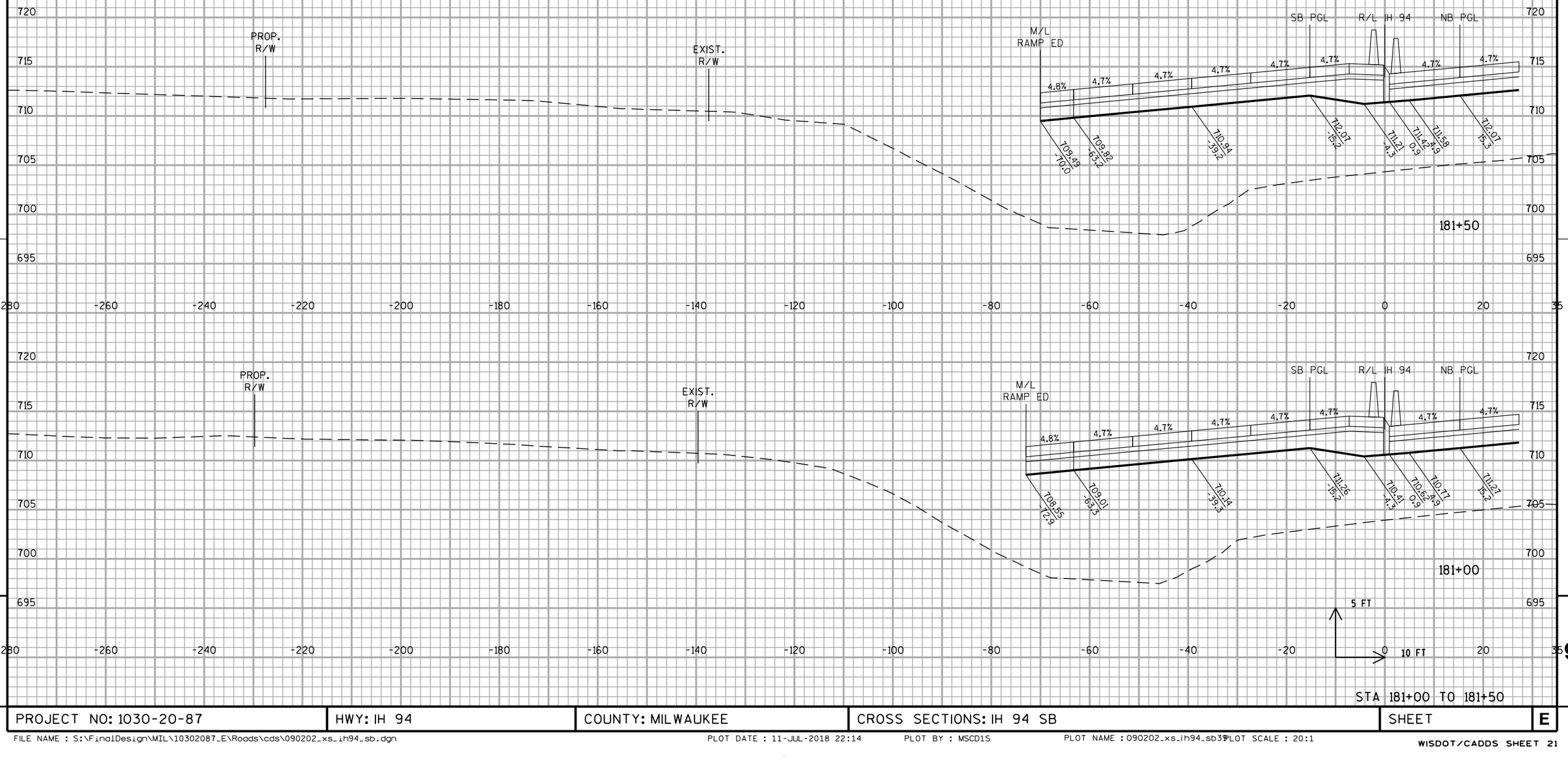


STA 180+00 TO 180+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 SB	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090202_xs_ih94_sb.dgn PLOT DATE : 11-JUL-2018 22:14 PLOT BY : MSCD1S PLOT NAME : 090202_xs_ih94_sb38 PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

ALL WORK STAGE 2

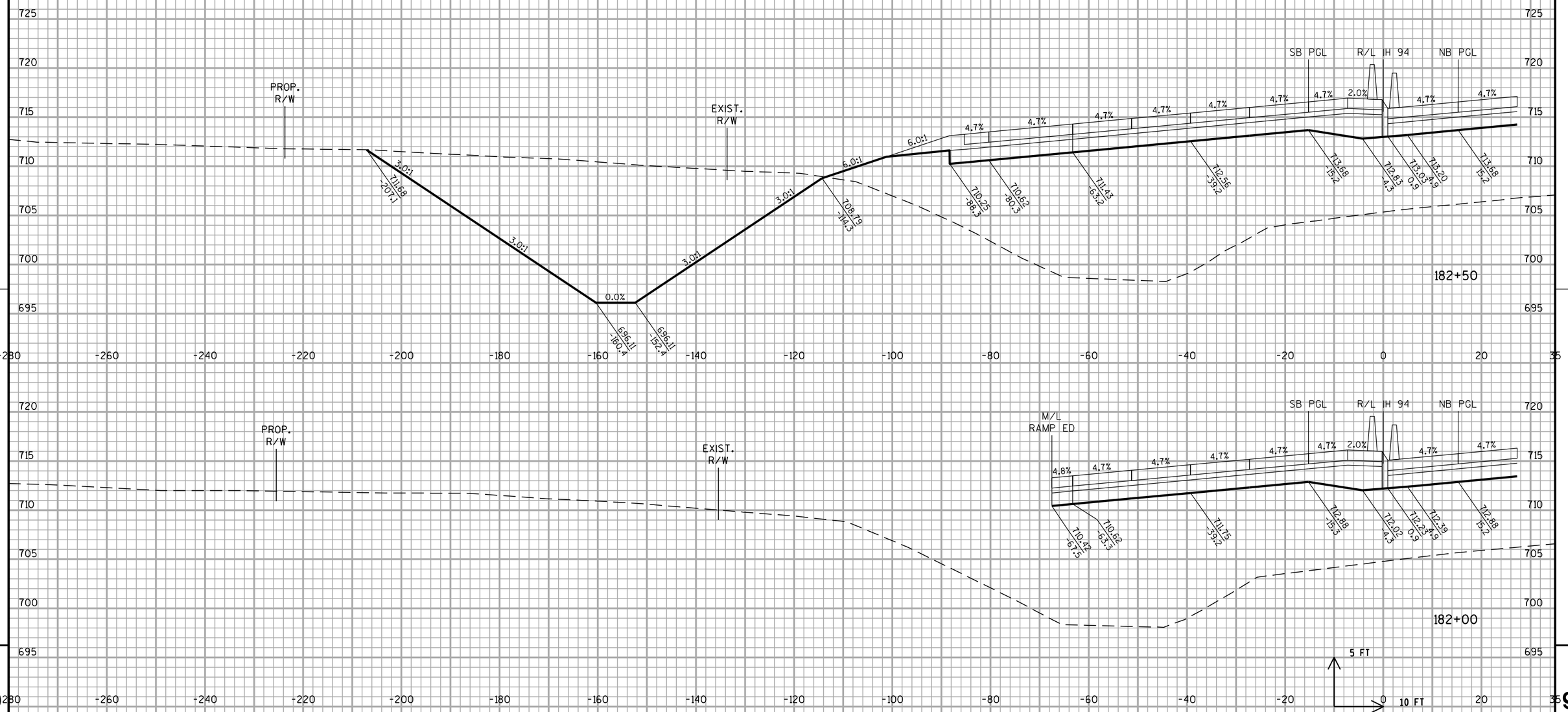


STA 181+00 TO 181+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 SB	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090202_xs_ih94_sb.dgn PLOT DATE : 11-JUL-2018 22:14 PLOT BY : MSCD1S PLOT NAME : 090202_xs_ih94_sb39 PLOT SCALE : 20:1

ALL WORK STAGE 2

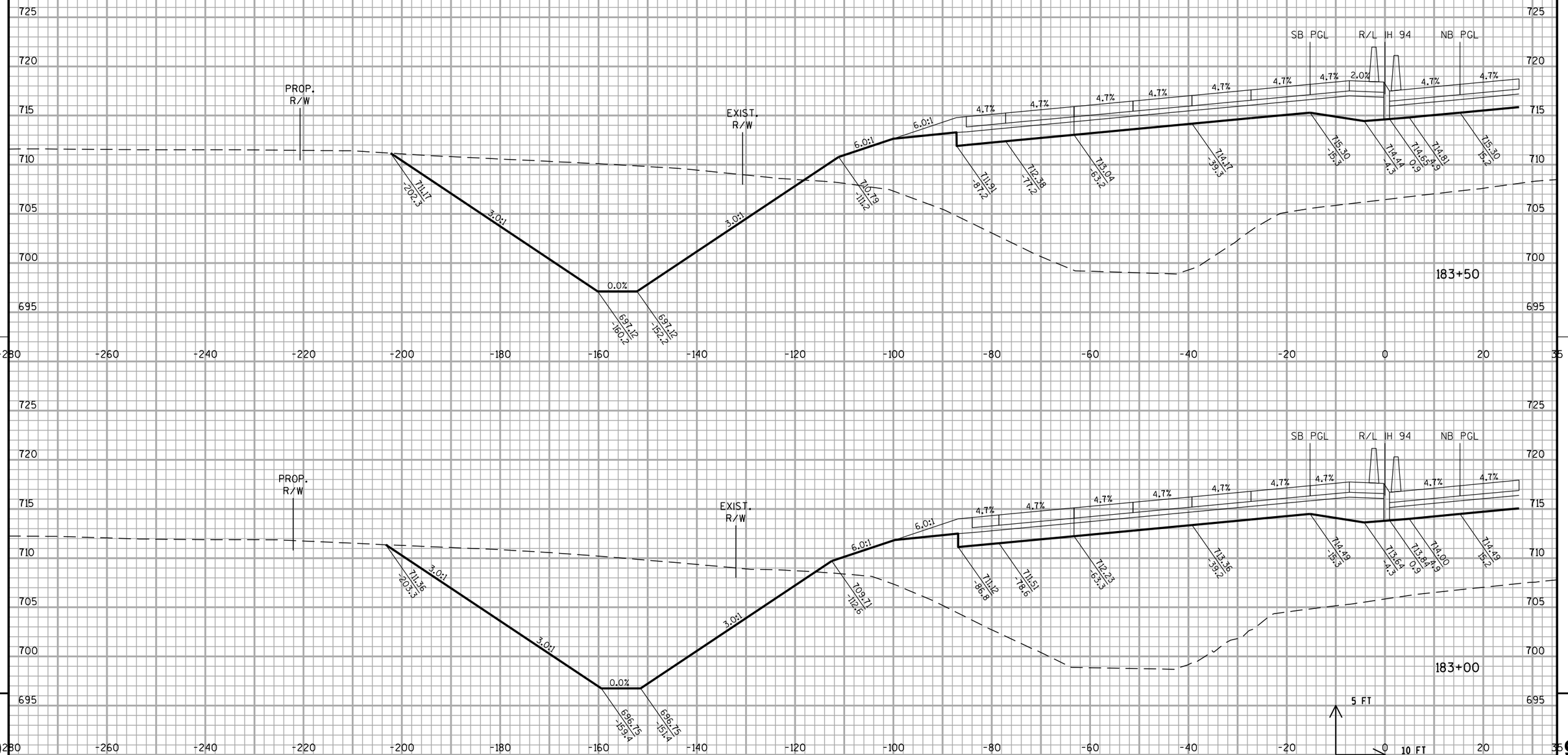


STA 182+00 TO 182+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 SB	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090202_xs_ih94_sb.dgn PLOT DATE : 11-JUL-2018 22:14 PLOT BY : MSCD1S PLOT NAME : 090202_xs_ih94_sb4 PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

ALL WORK STAGE 2



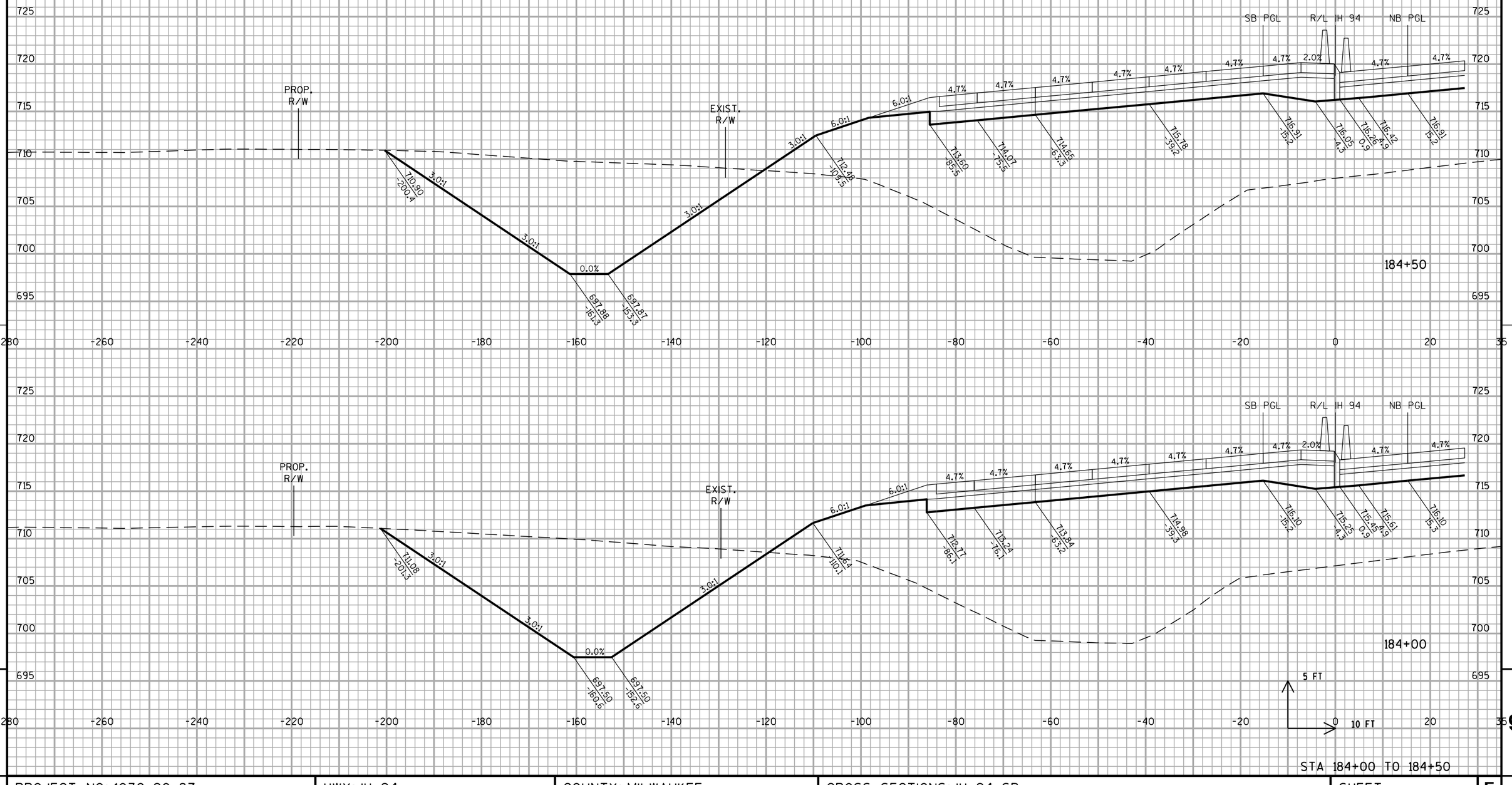
STA 183+00 TO 183+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 SB	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090202_xs_ih94_sb.dgn PLOT DATE : 11-JUL-2018 22:14 PLOT BY : MSCD1S PLOT NAME : 090202_xs_ih94_sb4 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

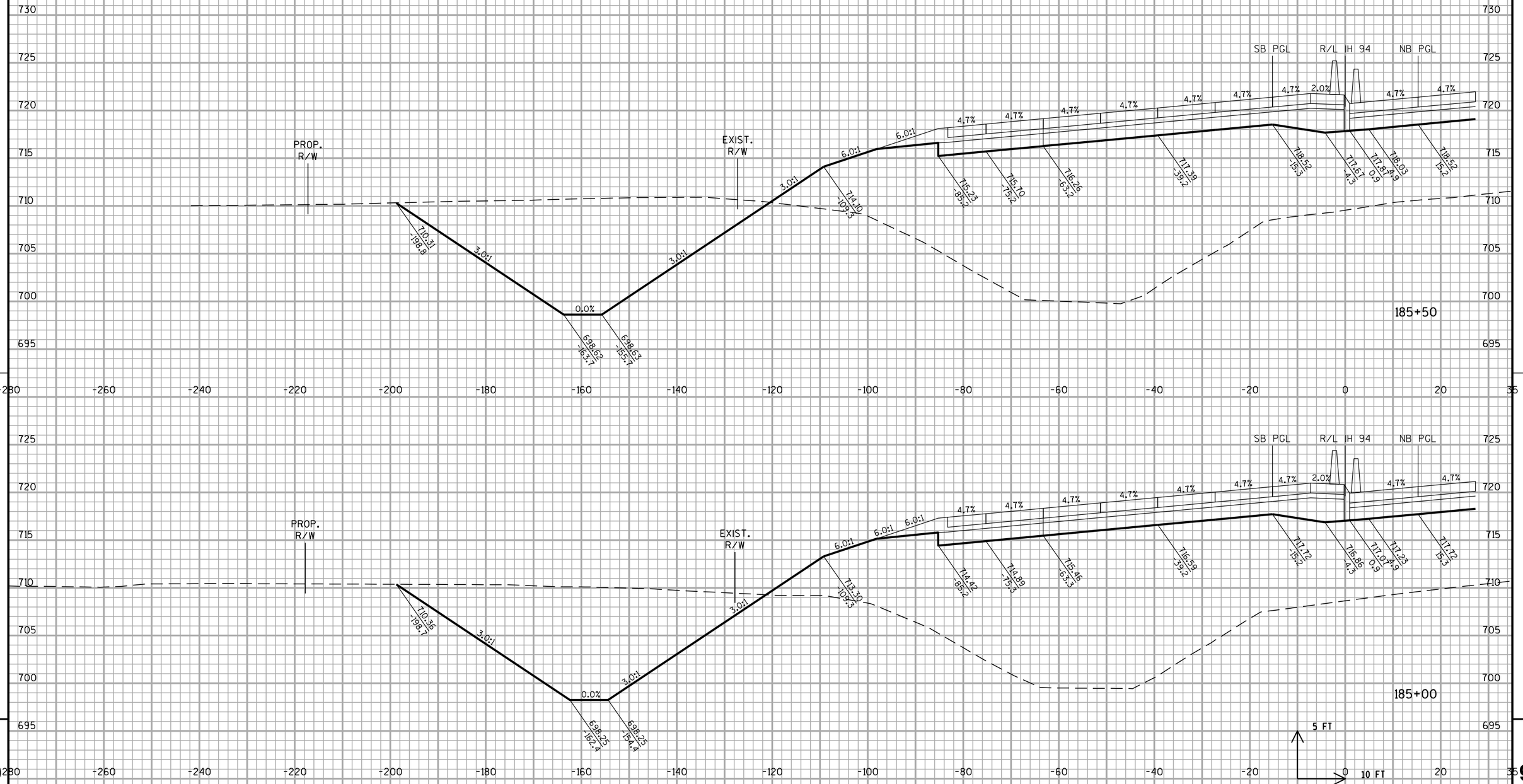
ALL WORK STAGE 2



STA 184+00 TO 184+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 SB	SHEET	E

ALL WORK STAGE 2



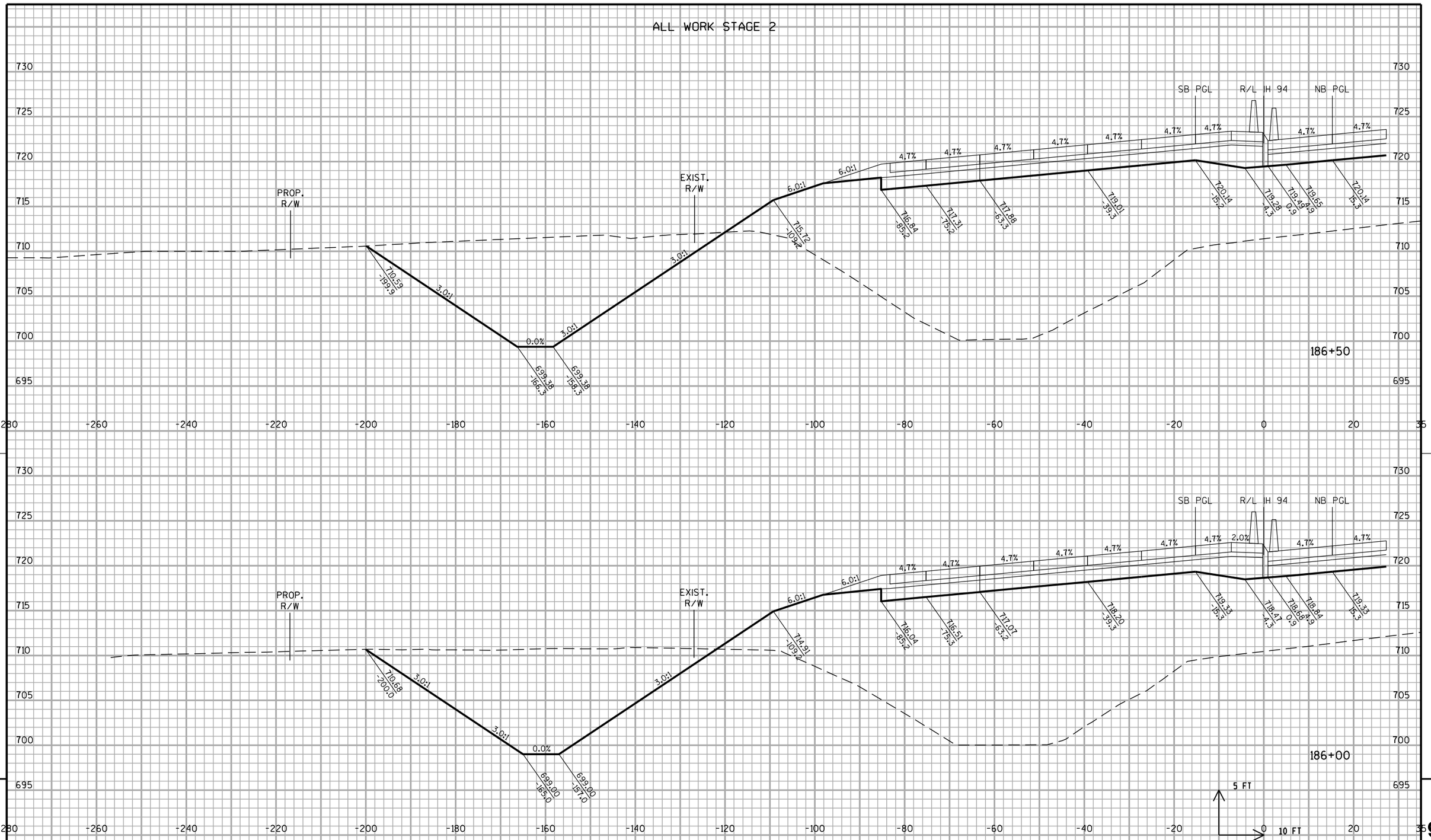
STA 185+00 TO 185+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 SB	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090202_xs_ih94_sb.dgn PLOT DATE : 11-JUL-2018 22:14 PLOT BY : MSCD1S PLOT NAME : 090202_xs_ih94_sb43 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 2



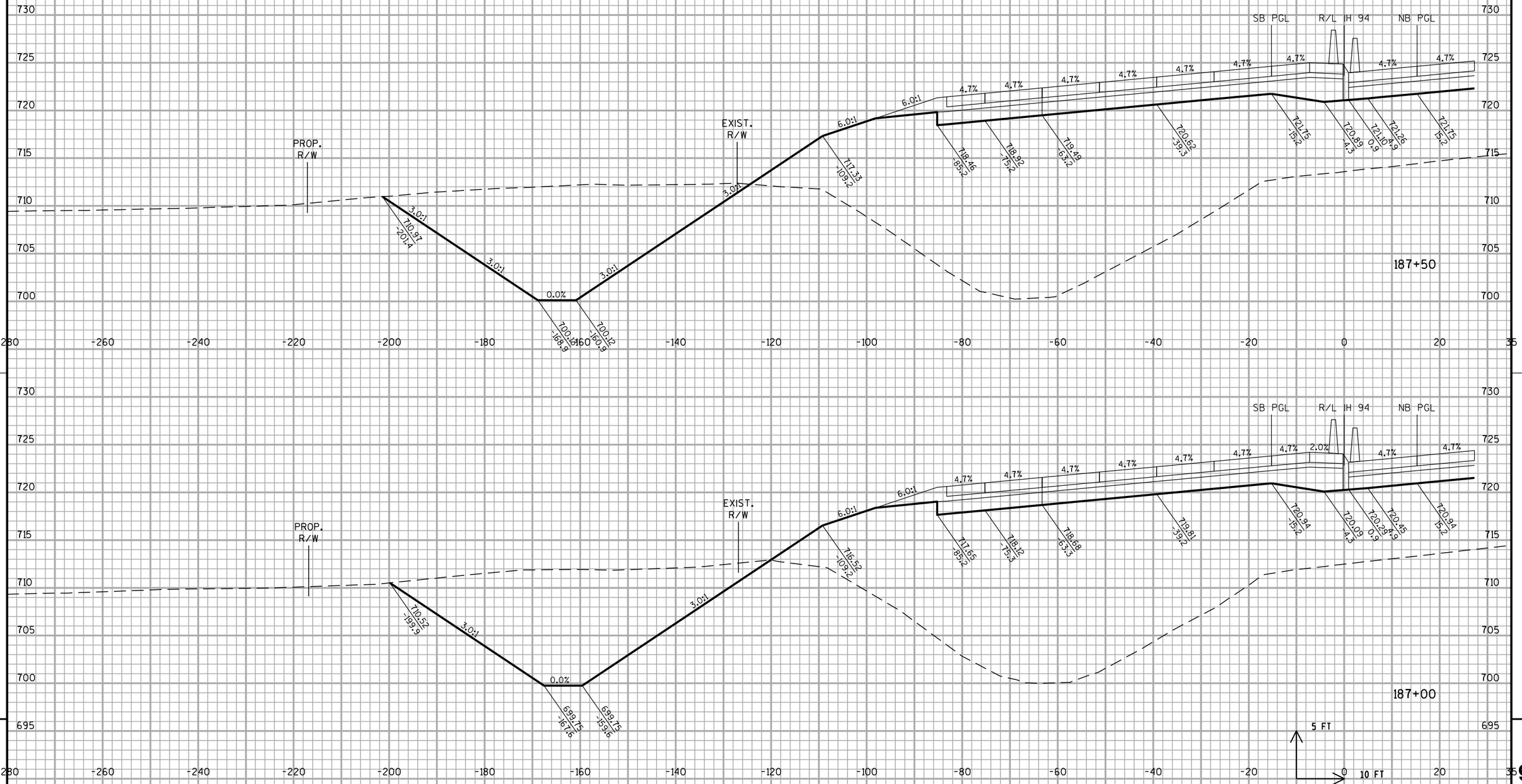
STA 186+00 TO 186+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 SB	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090202_xs_ih94_sb.dgn PLOT DATE : 11-JUL-2018 22:14 PLOT BY : MSCD1S PLOT NAME : 090202_xs_ih94_sb4 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 2



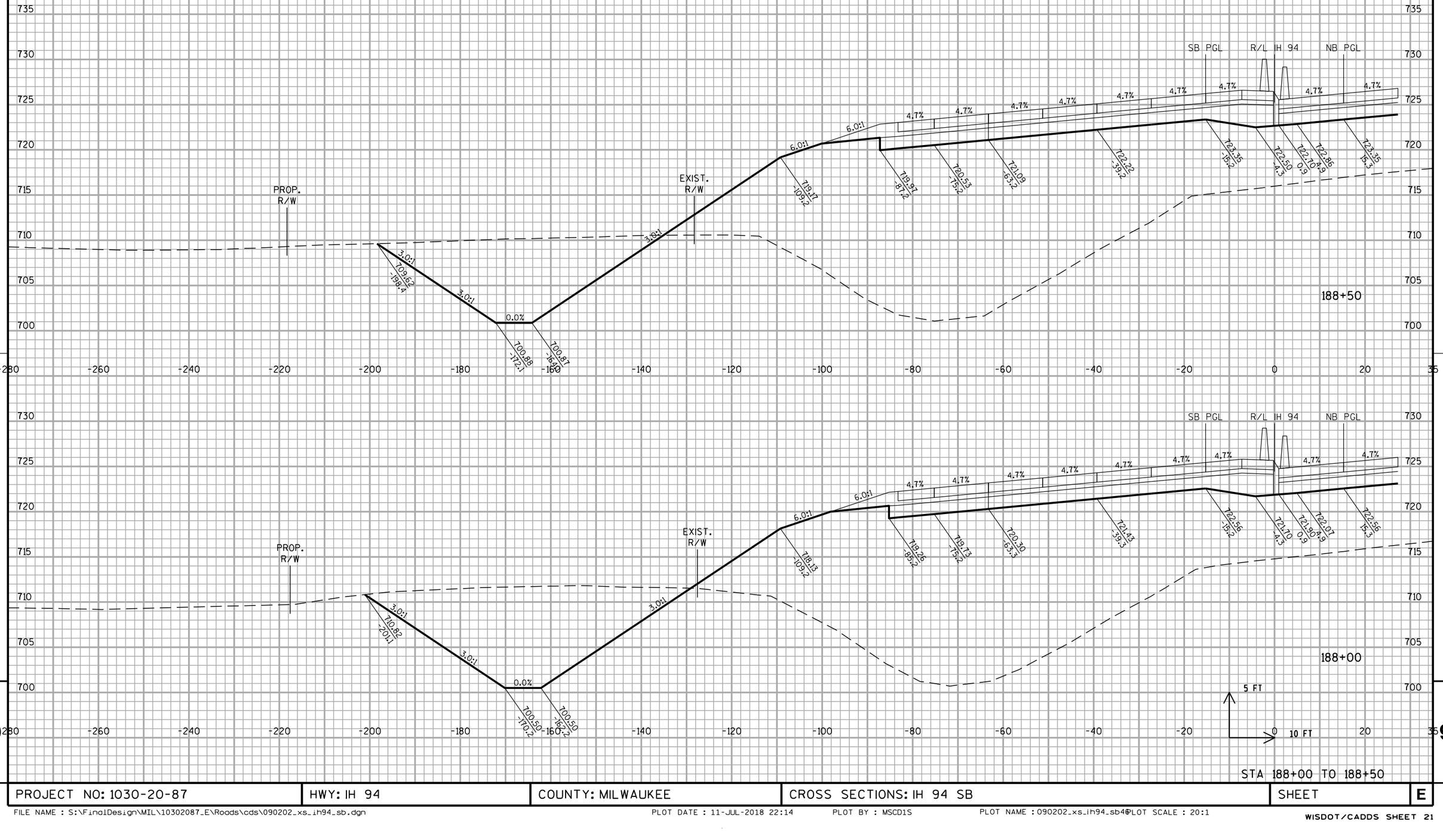
STA 187+00 TO 187+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 SB	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090202_xs_ih94_sb.dgn PLOT DATE : 11-JUL-2018 22:14 PLOT BY : MSCD1S PLOT NAME : 090202_xs_ih94_sb45 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

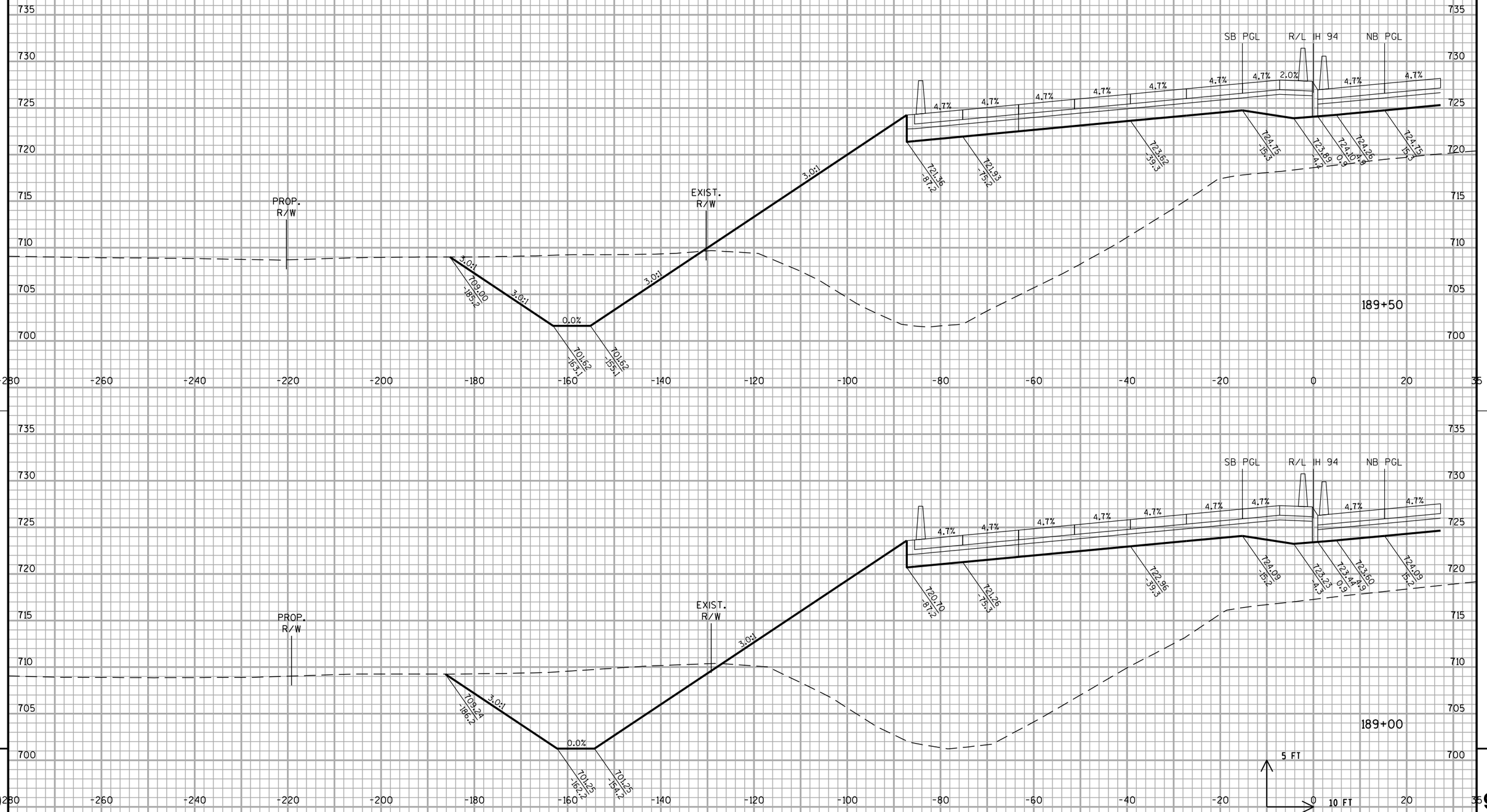
ALL WORK STAGE 2



STA 188+00 TO 188+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 SB	SHEET	E

ALL WORK STAGE 2

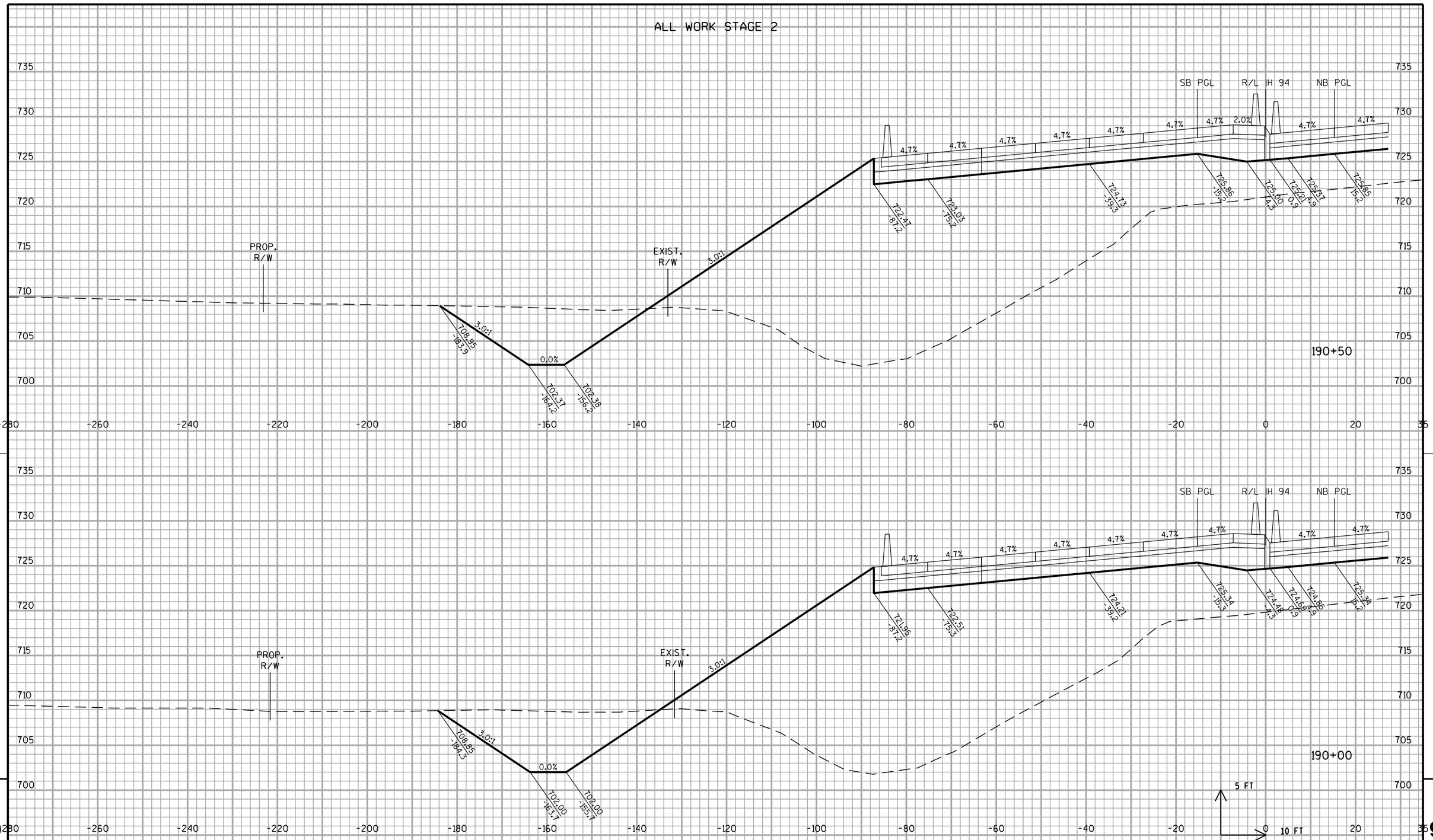


STA 189+00 TO 189+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 SB	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090202_xs_ih94_sb.dgn PLOT DATE : 11-JUL-2018 22:14 PLOT BY : MSCD1S PLOT NAME : 090202_xs_ih94_sb4 PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

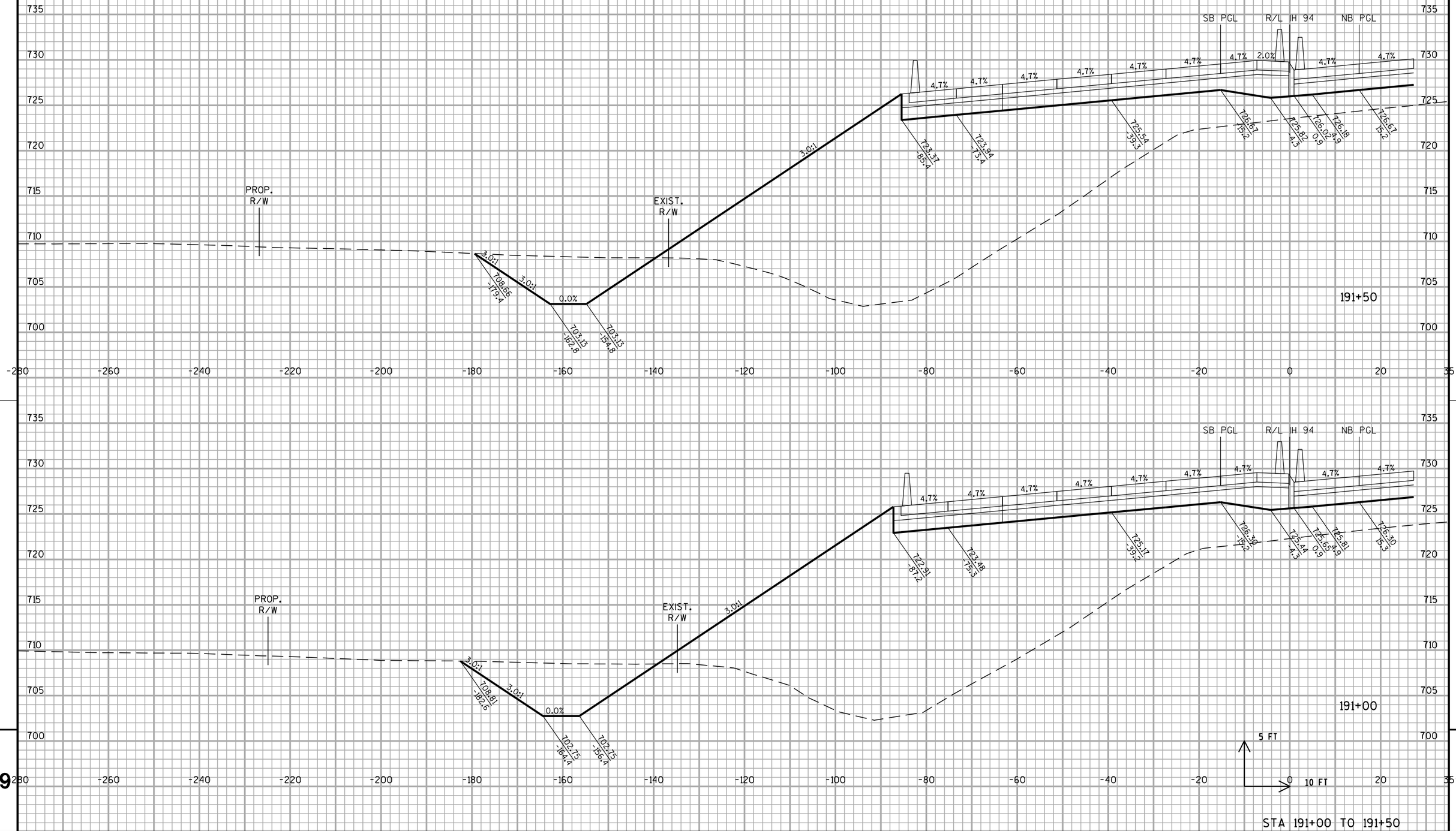
ALL WORK STAGE 2



STA 190+00 TO 190+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 SB	SHEET	E

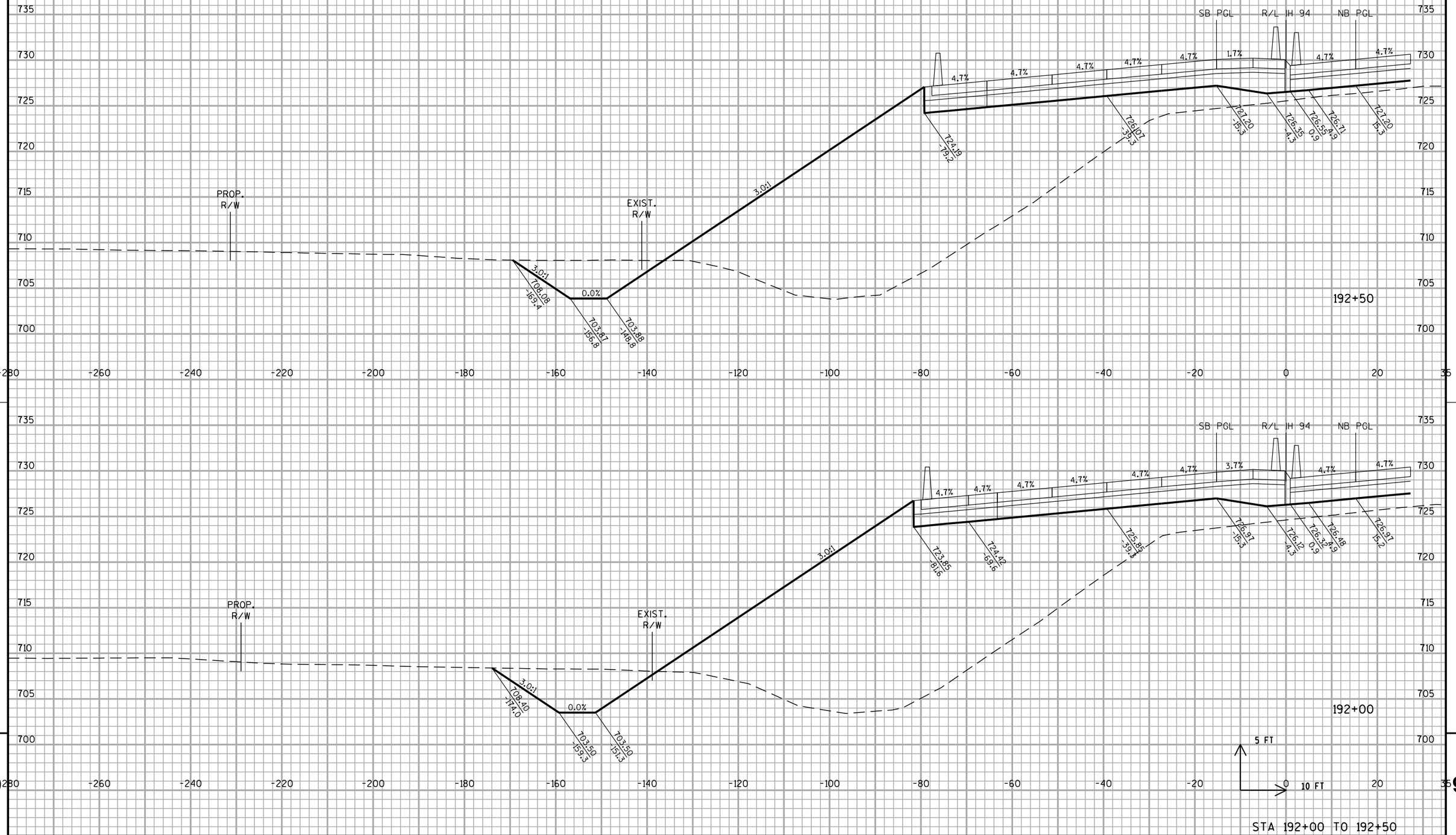
ALL WORK STAGE 2



STA 191+00 TO 191+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 SB	SHEET	E

ALL WORK STAGE 2

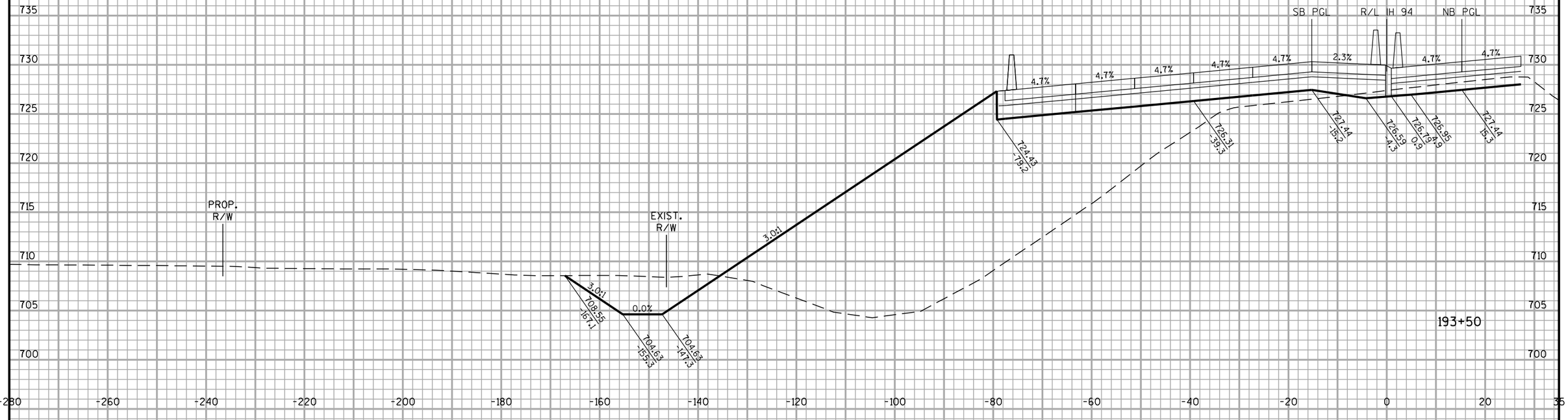


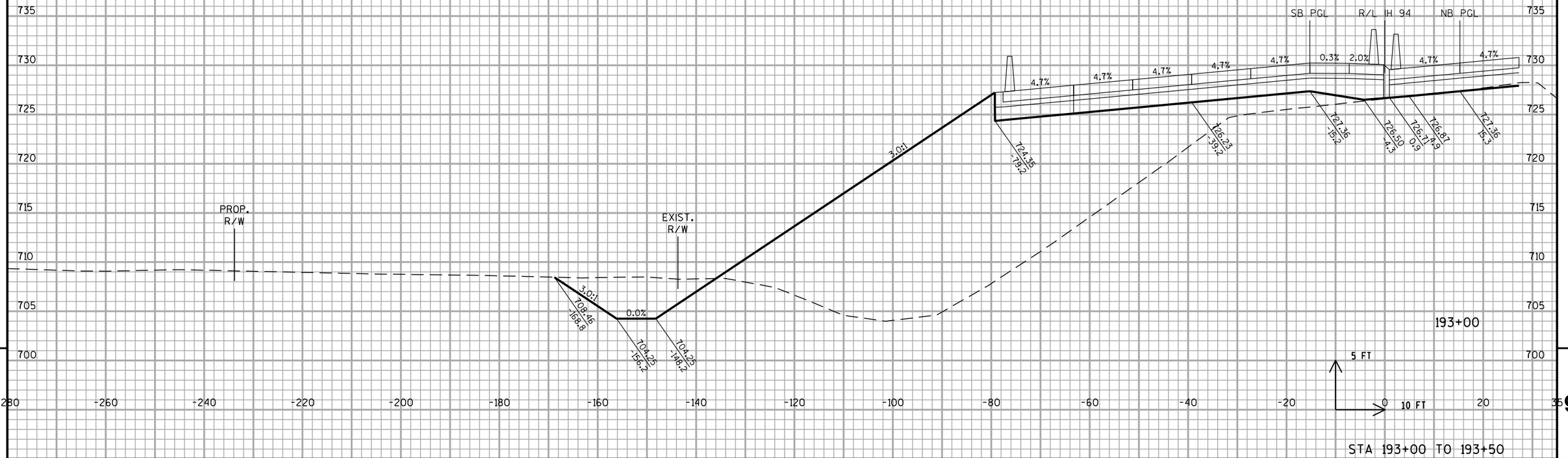
PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 SB	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090202_xs_ih94_sb.dgn PLOT DATE : 11-JUL-2018 22:14 PLOT BY : MSCD1S PLOT NAME : 090202_xs_ih94_sb5@PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 2





9

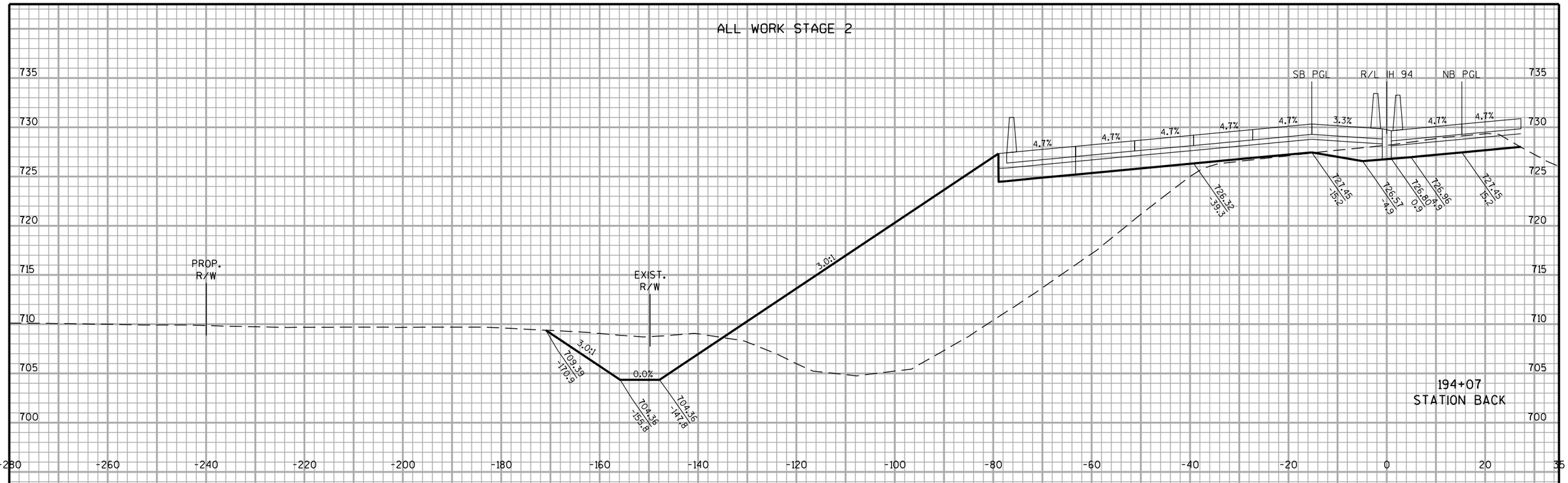
9

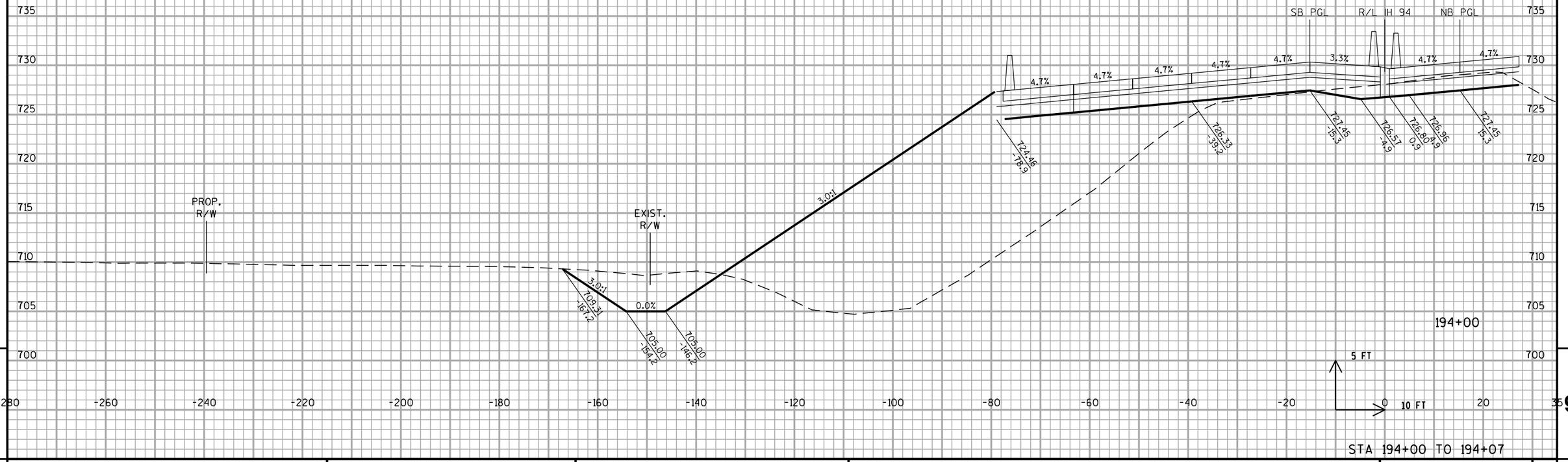
STA 193+00 TO 193+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 SB	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090202_xs_ih94_sb.dgn PLOT DATE : 11-JUL-2018 22:14 PLOT BY : MSCD1S PLOT NAME : 090202_xs_ih94_sb5 PLOT SCALE : 20:1

ALL WORK STAGE 2

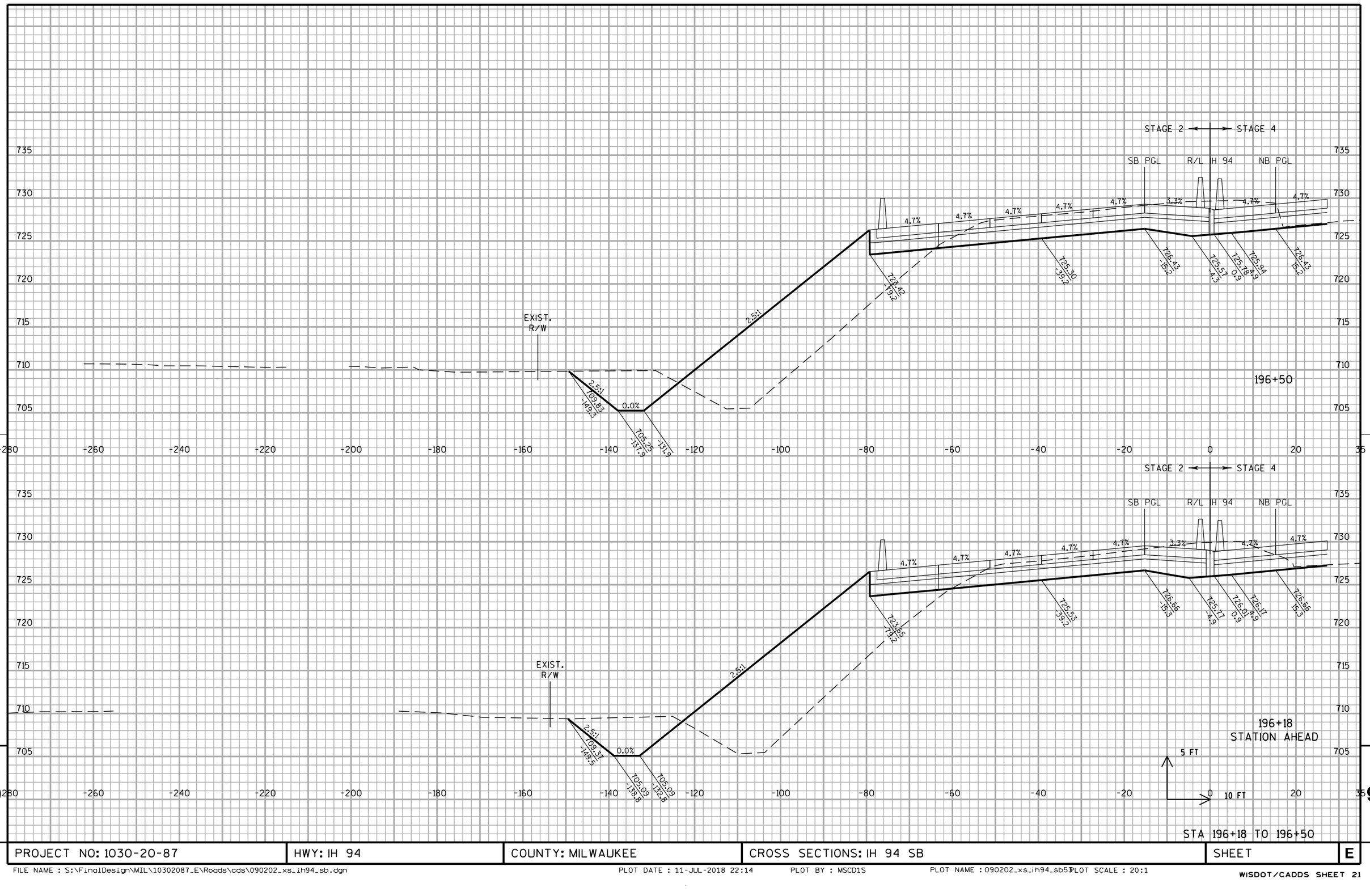




STA 194+00 TO 194+07

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 SB	SHEET	E

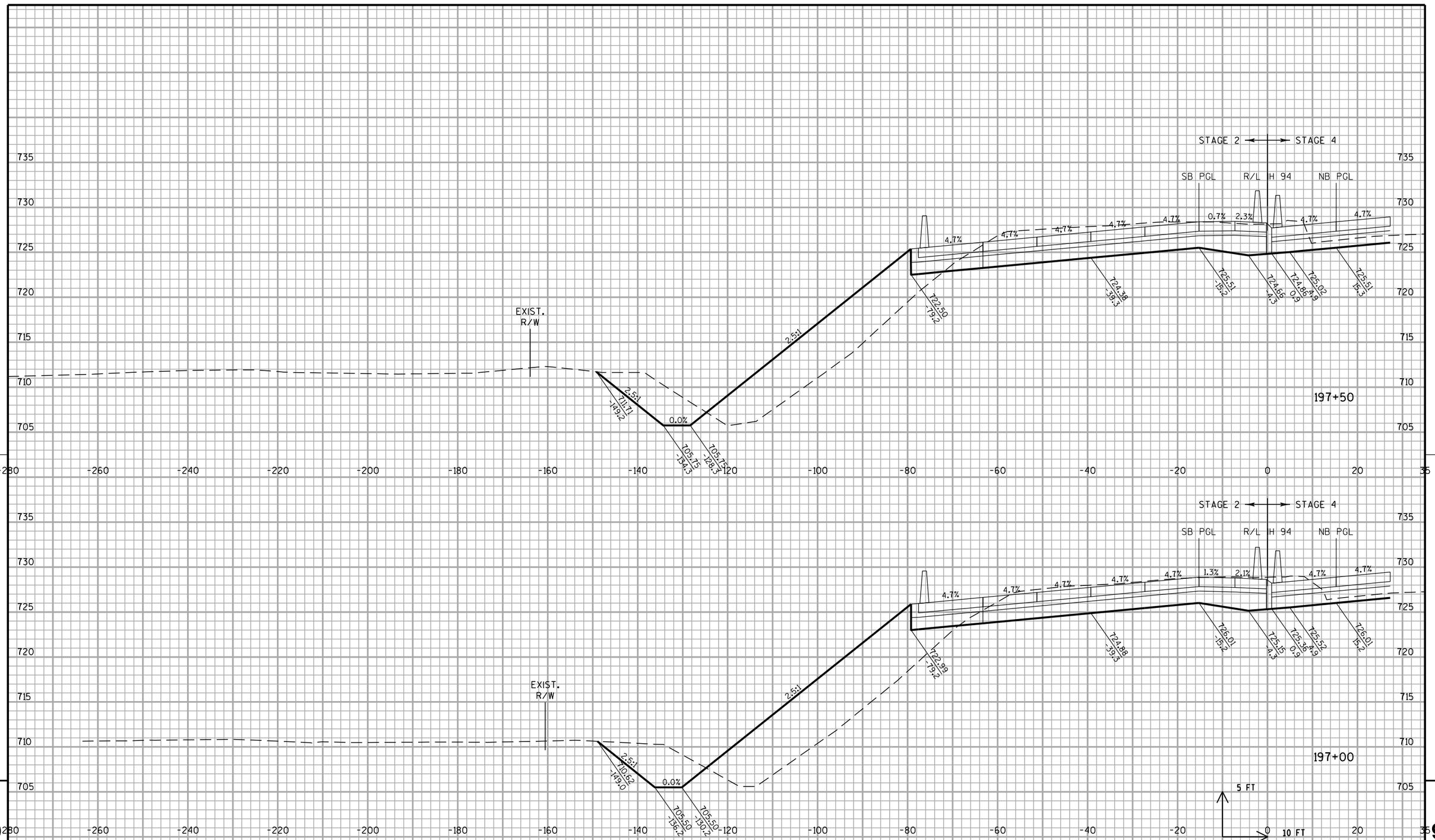
FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090202_xs_ih94_sb.dgn PLOT DATE : 11-JUL-2018 22:14 PLOT BY : MSCD1S PLOT NAME : 090202_xs_ih94_sb52 PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21



STA 196+18 TO 196+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 SB	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090202_xs_ih94_sb.dgn PLOT DATE : 11-JUL-2018 22:14 PLOT BY : MSCD1S PLOT NAME : 090202_xs_ih94_sb5 PLOT SCALE : 20:1

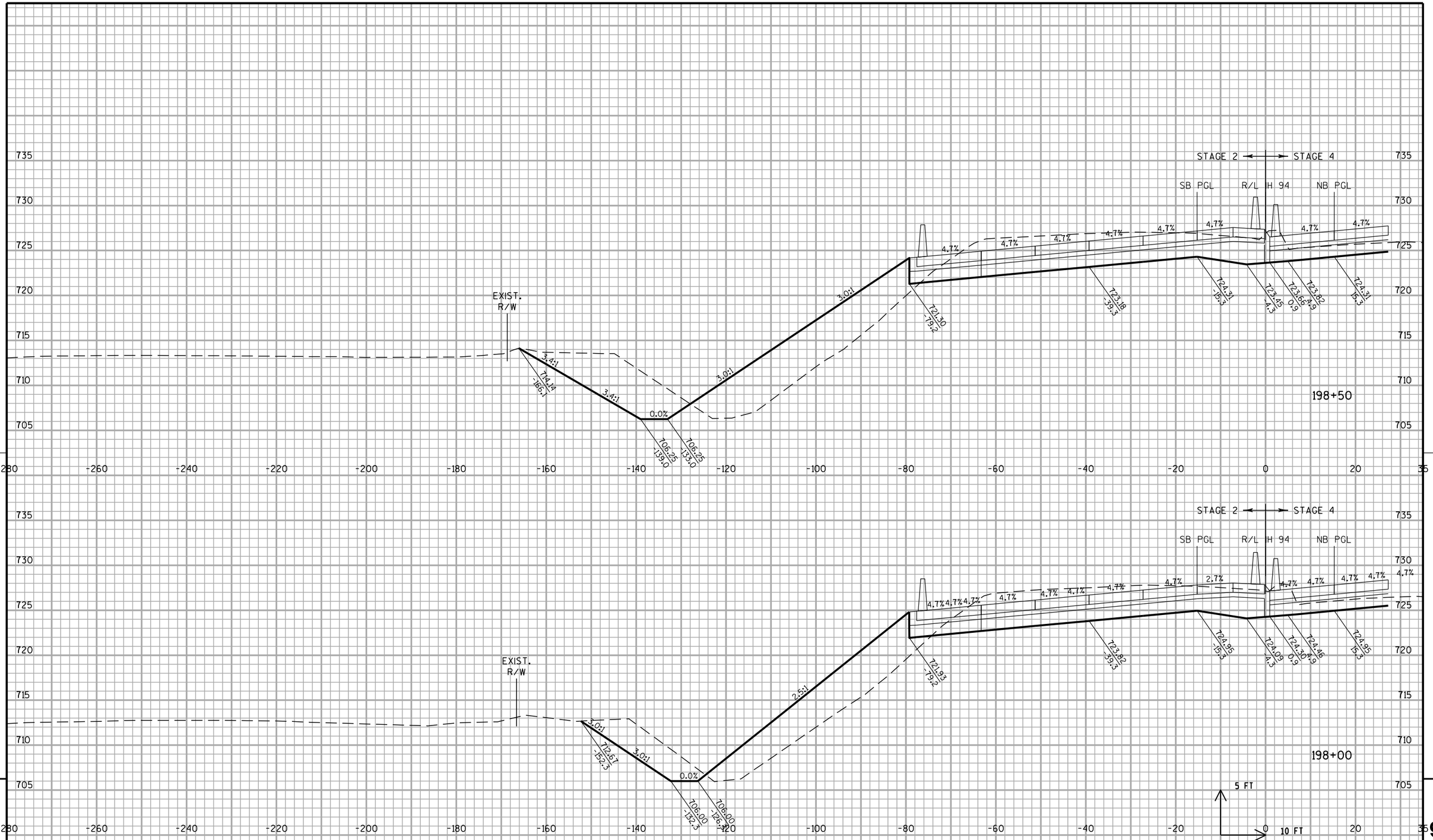


STA 197+00 TO 197+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 SB	SHEET	E

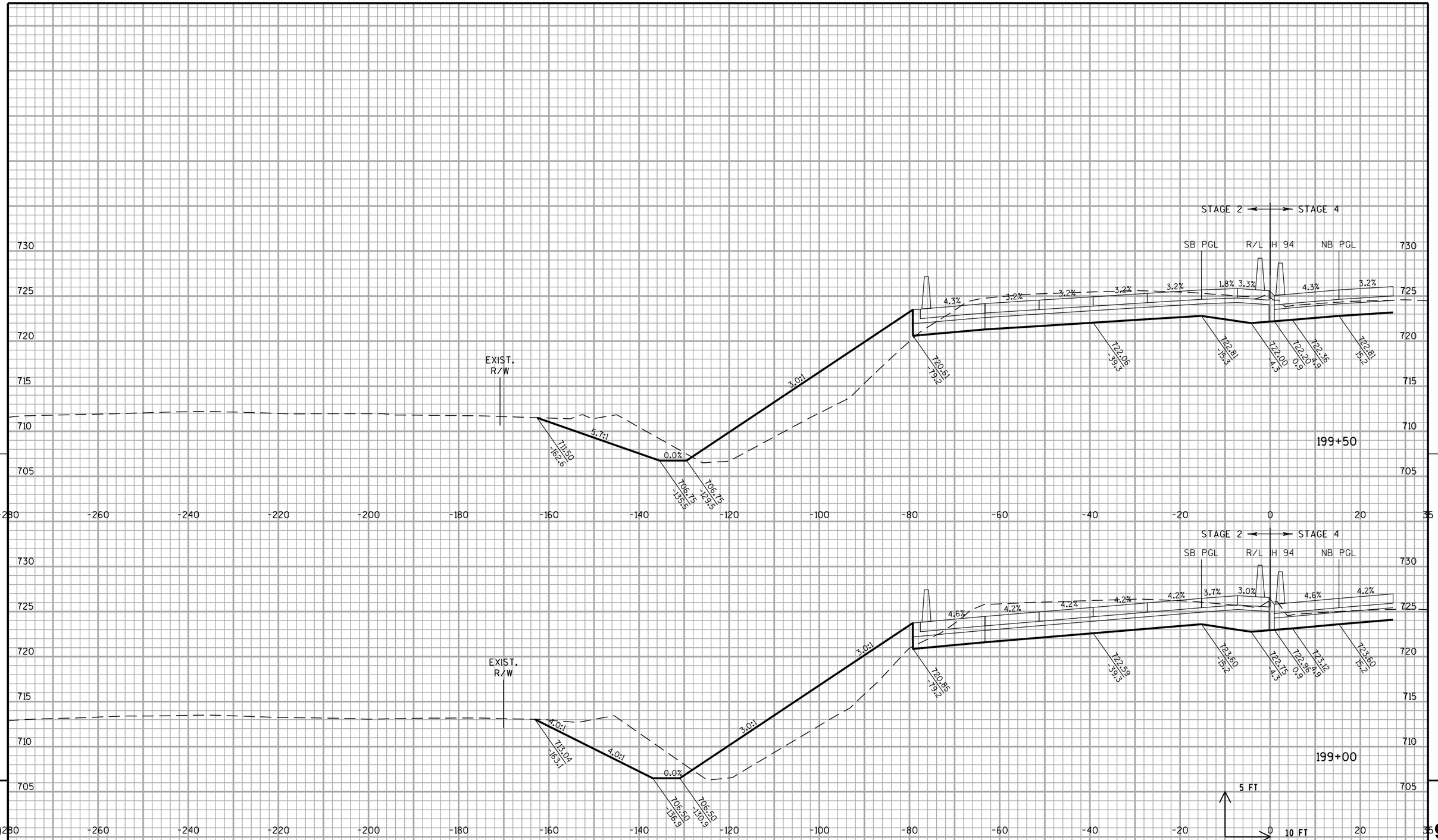
FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090202_xs_ih94_sb.dgn PLOT DATE : 11-JUL-2018 22:14 PLOT BY : MSCD1S PLOT NAME : 090202_xs_ih94_sb5 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



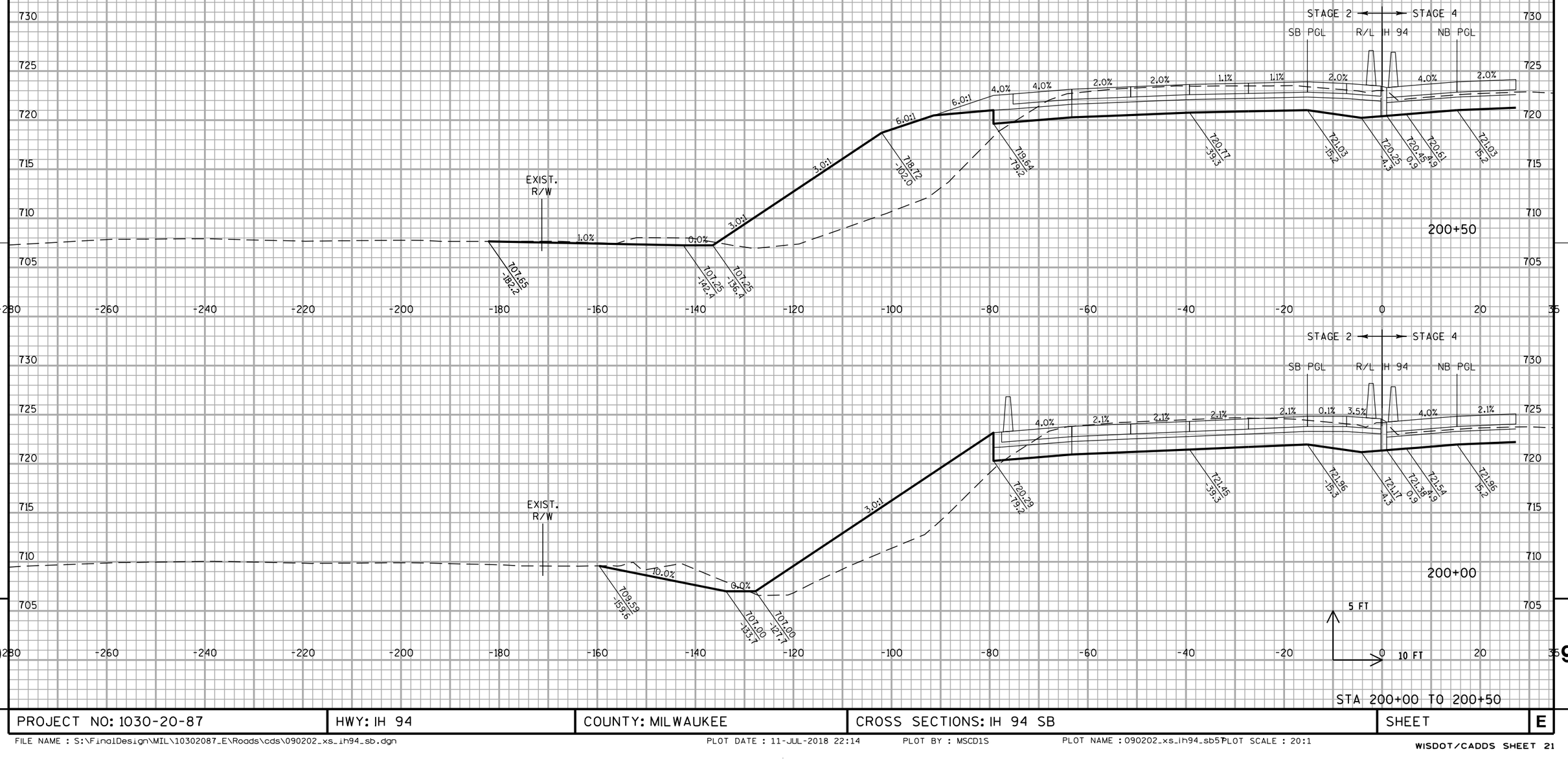
STA 198+00 TO 198+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 SB	SHEET	E



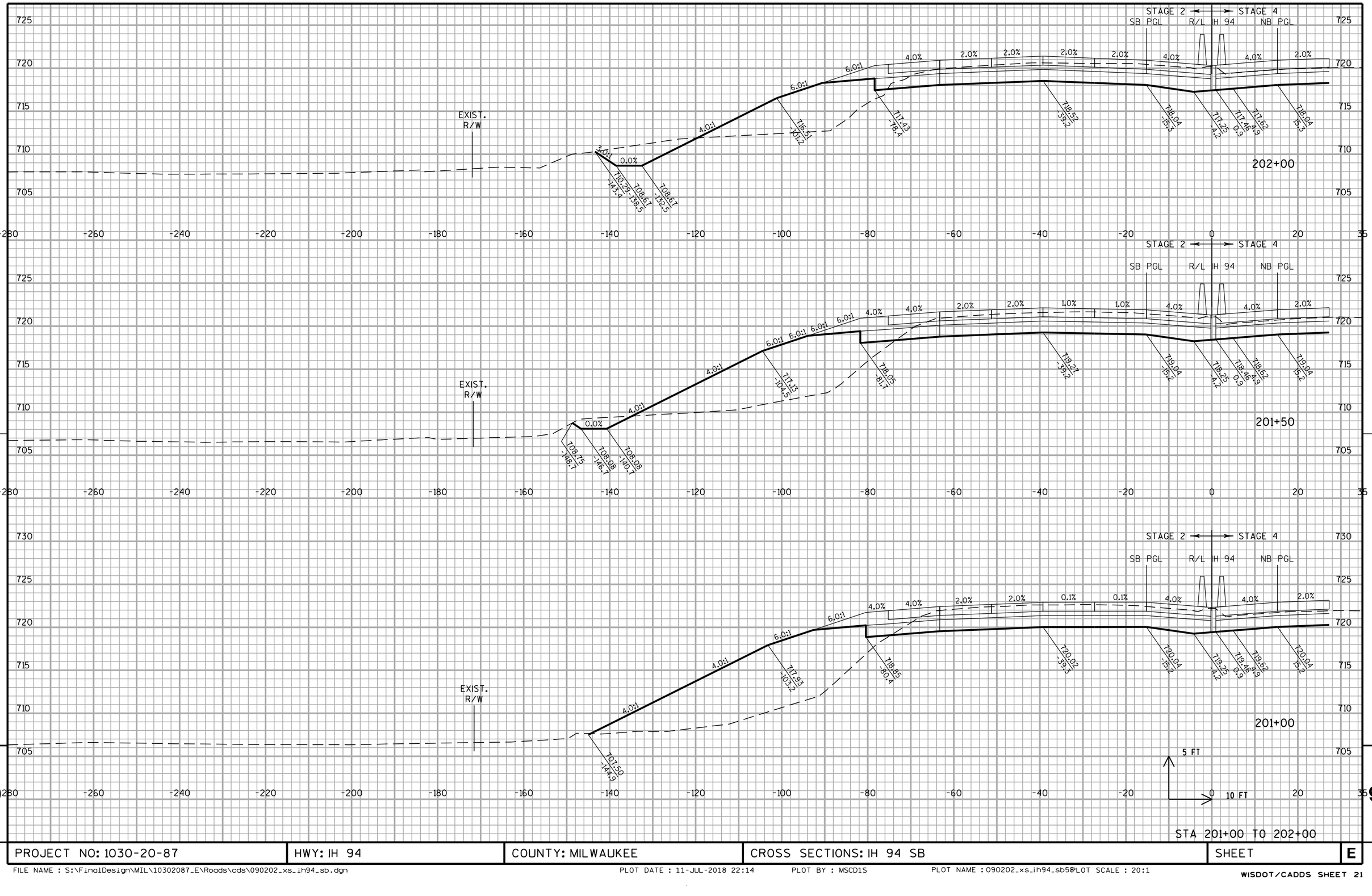
STA 199+00 TO 199+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 SB	SHEET	E



STA 200+00 TO 200+50

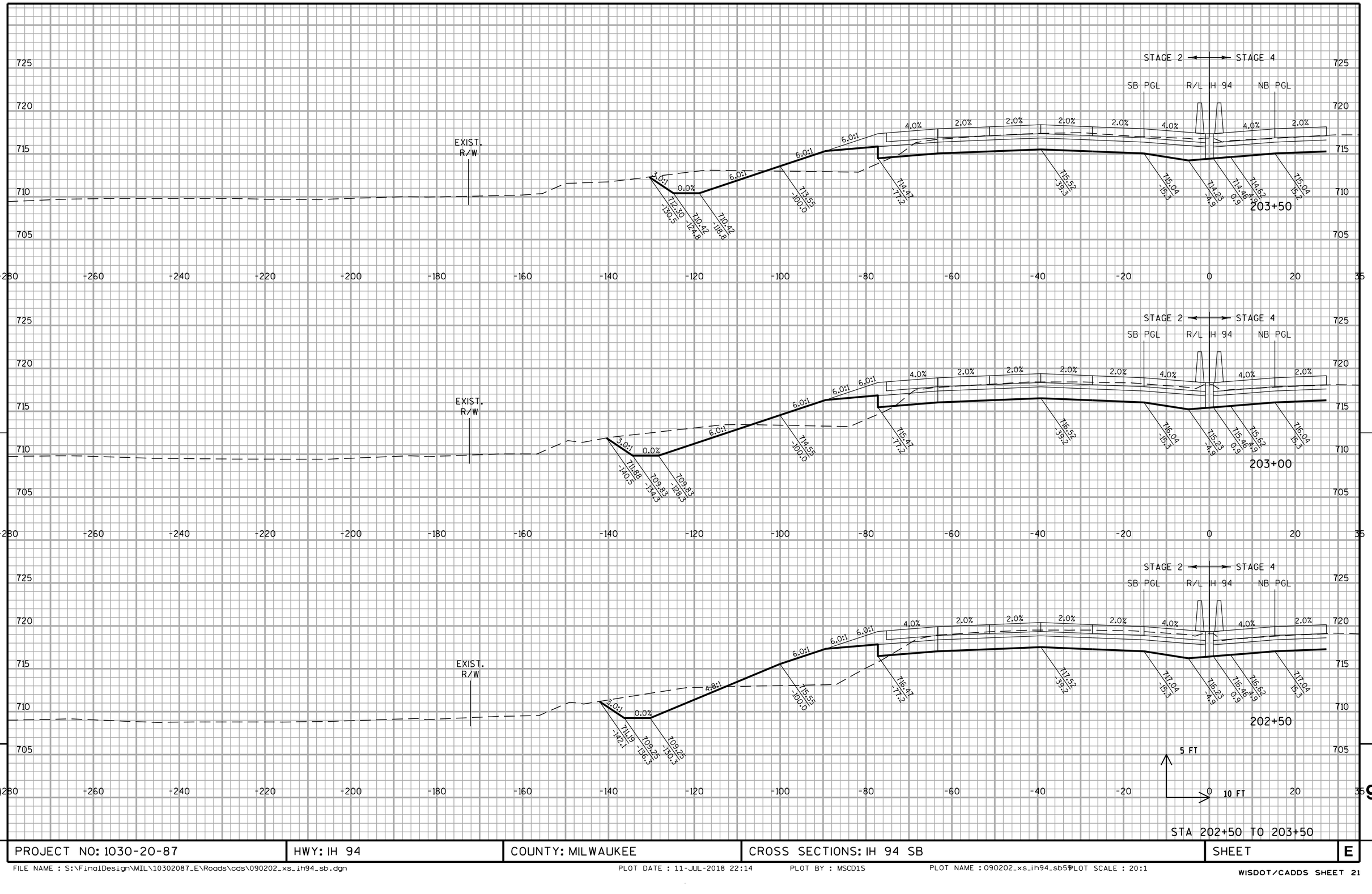
PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 SB	SHEET	E



STA 201+00 TO 202+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 SB	SHEET	E

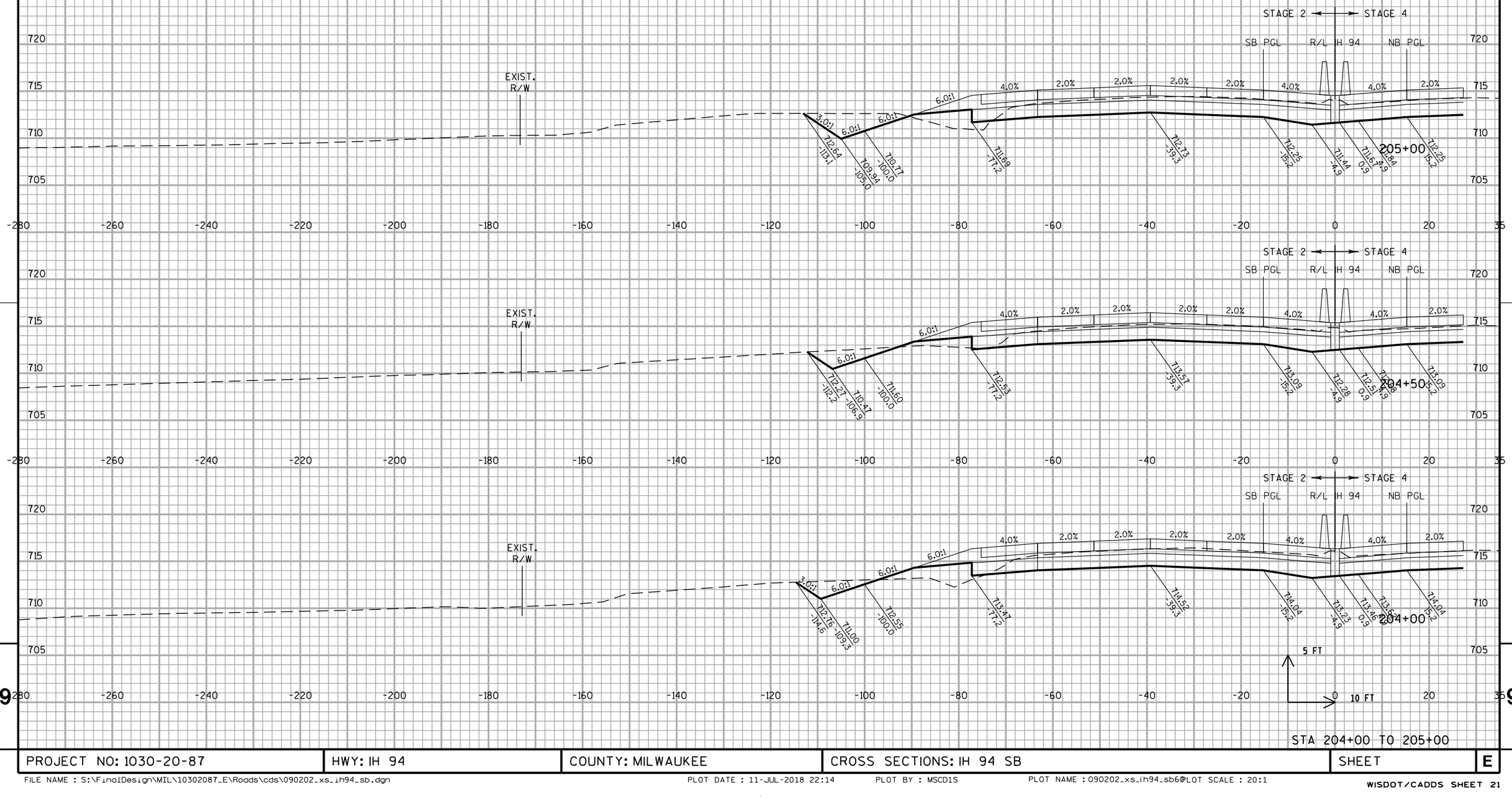
FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090202_xs_ih94_sb.dgn PLOT DATE : 11-JUL-2018 22:14 PLOT BY : MSCD1S PLOT NAME : 090202_xs_ih94_sb58 PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21



STA 202+50 TO 203+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 SB	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090202_xs_ih94_sb.dgn PLOT DATE : 11-JUL-2018 22:14 PLOT BY : MSCD1S PLOT NAME : 090202_xs_ih94_sb5 PLOT SCALE : 20:1



STA 204+00 TO 205+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 SB	SHEET	E

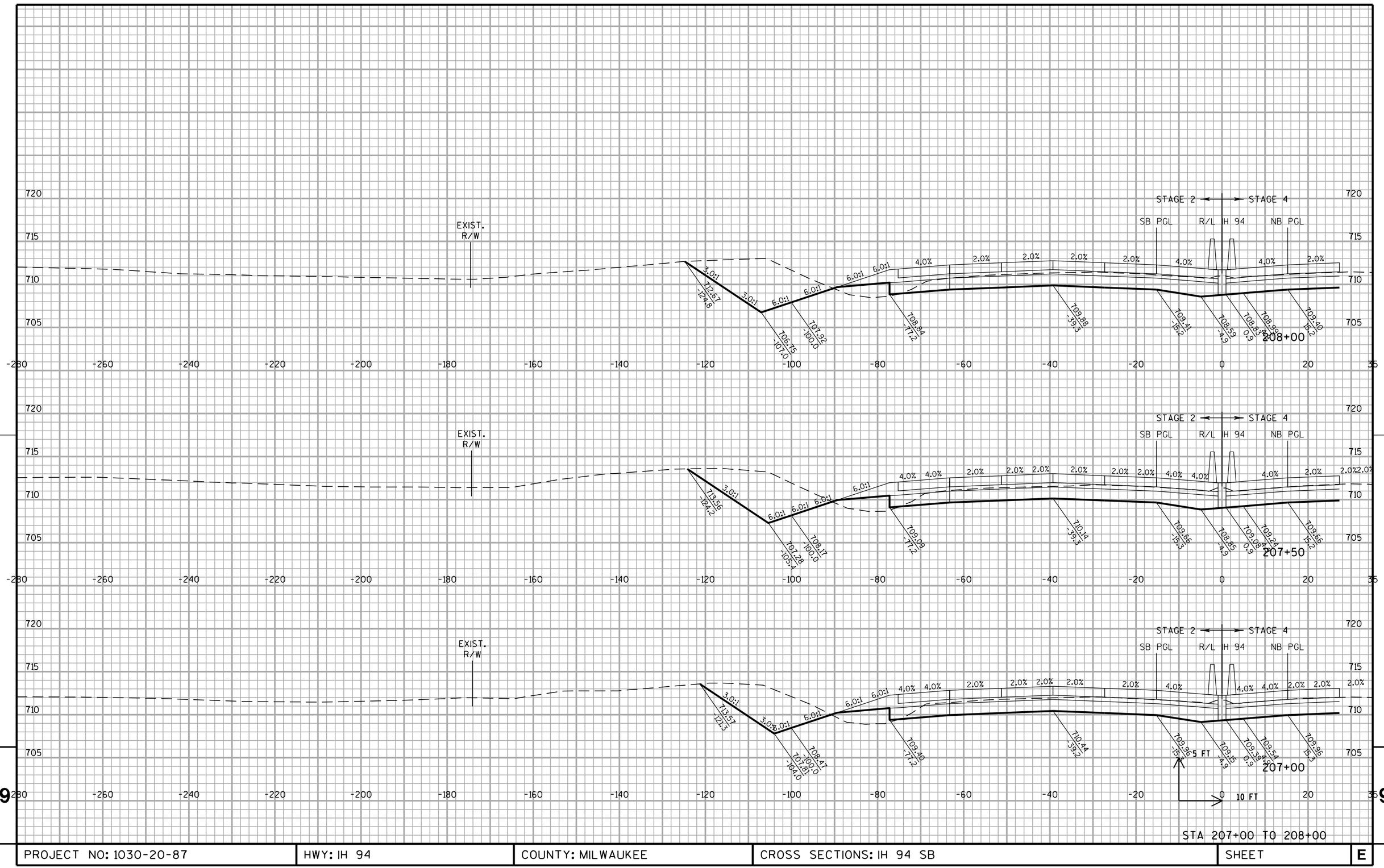
FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090202_xs_ih94_sb.dgn PLOT DATE : 11-JUL-2018 22:14 PLOT BY : MSCD1S PLOT NAME : 090202_xs_ih94_sb6 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

STA 205+50 TO 206+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 SB	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090202_xs_ih94_sb.dgn PLOT DATE : 11-JUL-2018 22:14 PLOT BY : MSCD1S PLOT NAME : 090202_xs_ih94_sb6 PLOT SCALE : 20:1

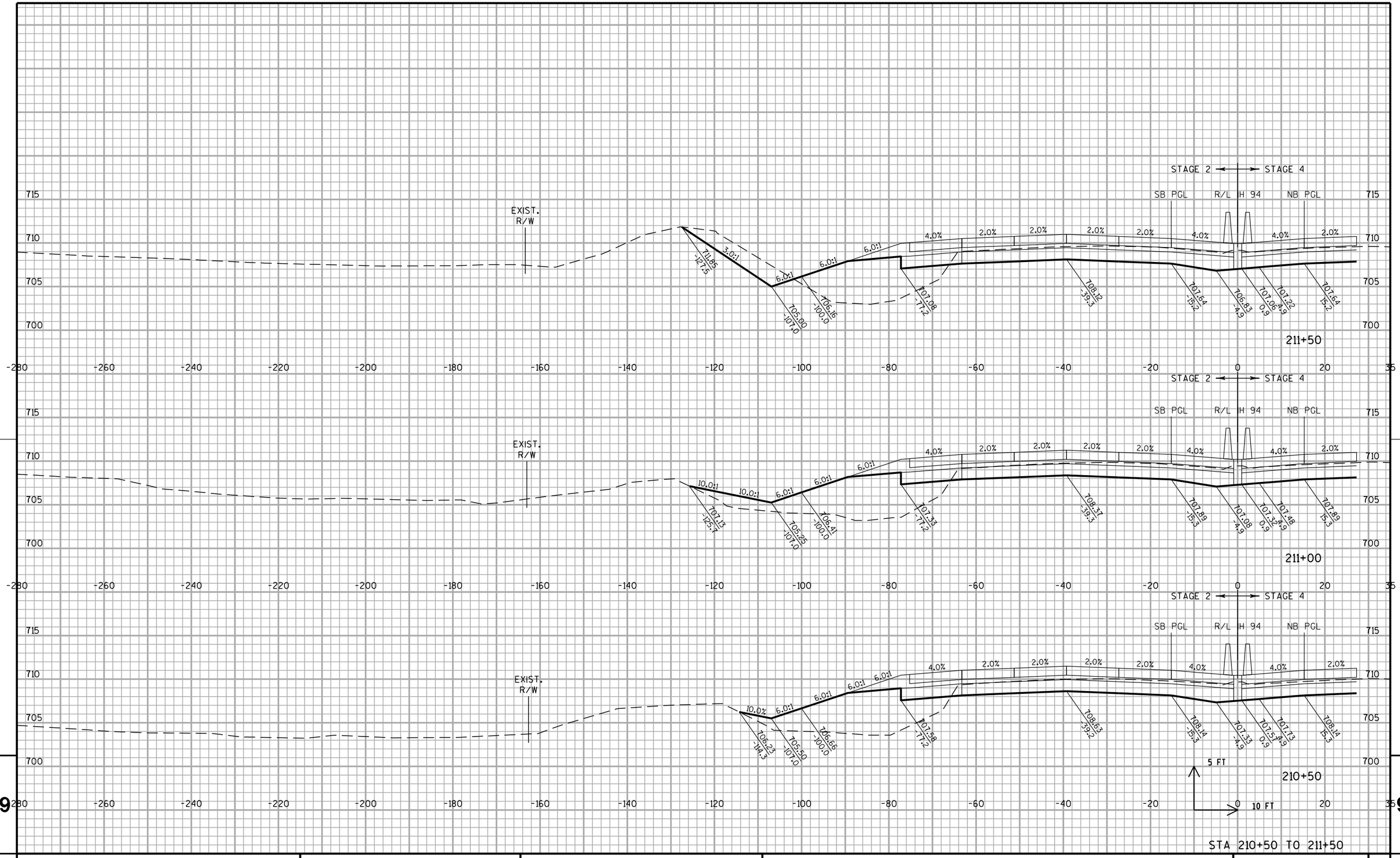


STA 207+00 TO 208+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 SB	SHEET	E

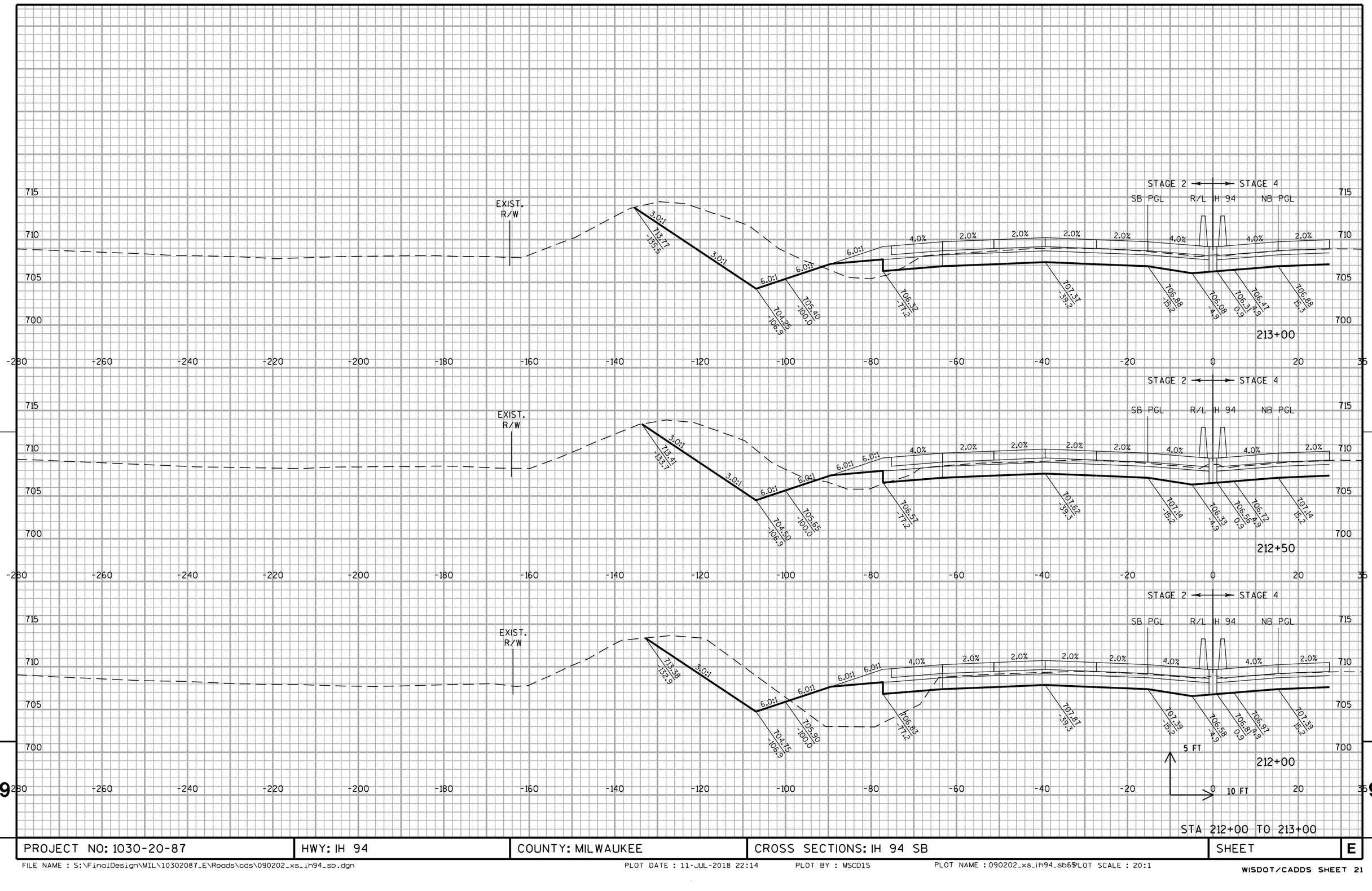
STA 208+50 TO 210+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 SB	SHEET	E



PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 SB	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090202_xs_ih94_sb.dgn
PLOT DATE : 11-JUL-2018 22:14
PLOT BY : MSCD1S
PLOT NAME : 090202_xs_ih94_sb6
PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21



PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 SB	SHEET	E

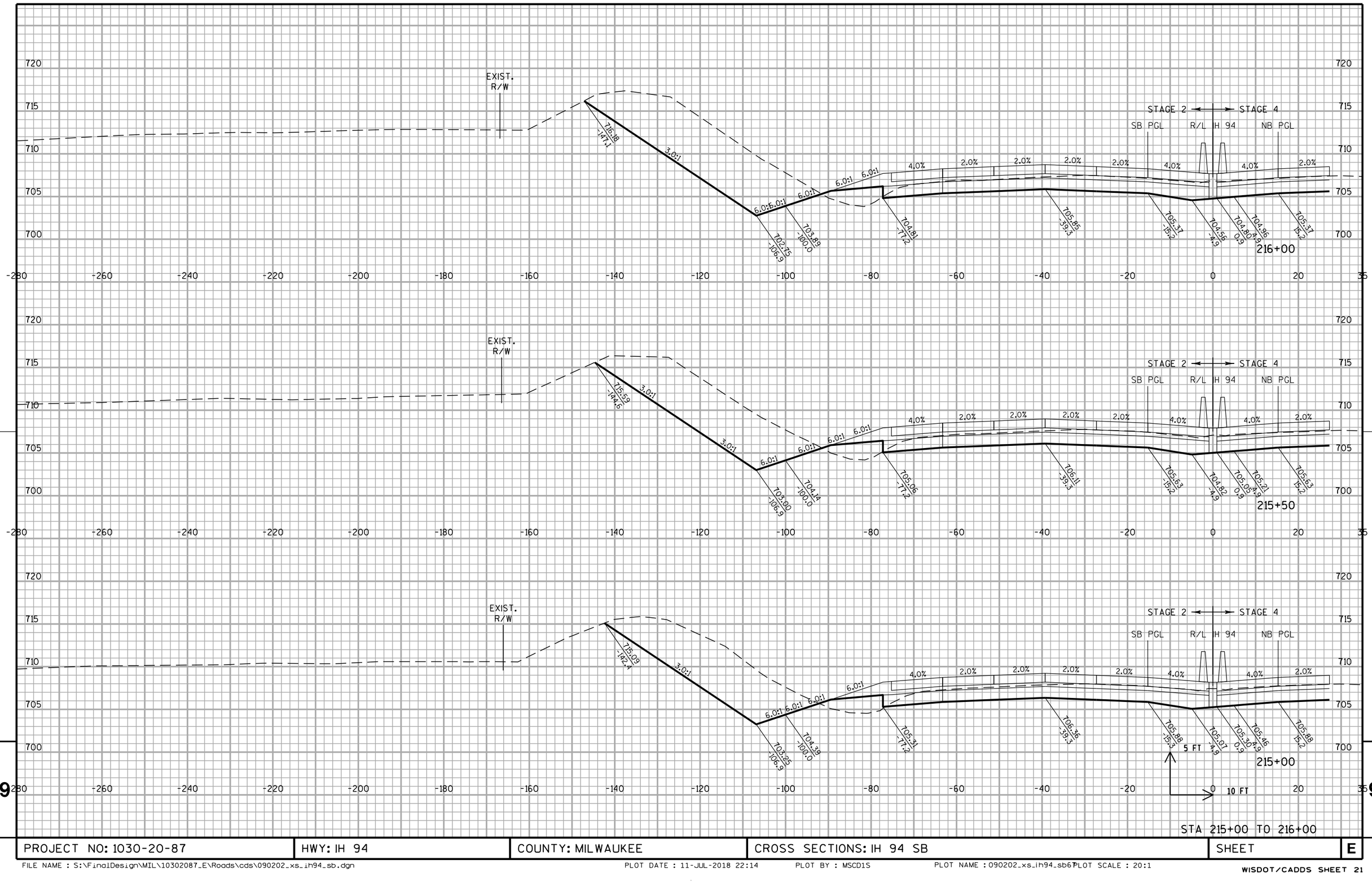
FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090202_xs_ih94_sb.dgn PLOT DATE : 11-JUL-2018 22:14 PLOT BY : MSCD1S PLOT NAME : 090202_xs_ih94_sb65 PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

STA 213+50 TO 214+50

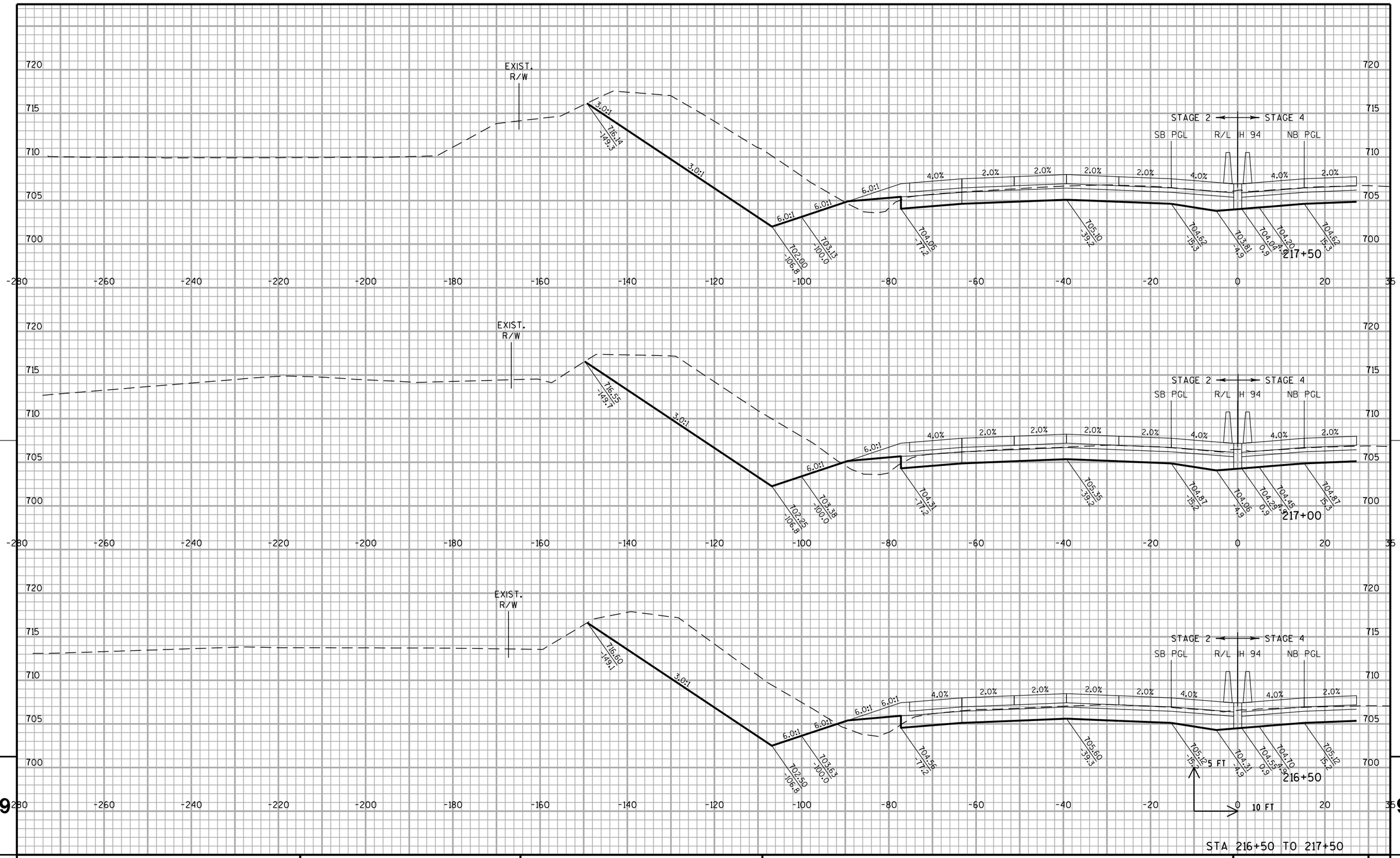
PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 SB	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090202_xs_ih94_sb.dgn PLOT DATE : 11-JUL-2018 22:14 PLOT BY : MSCD1S PLOT NAME : 090202_xs_ih94_sb6 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 SB	SHEET	E

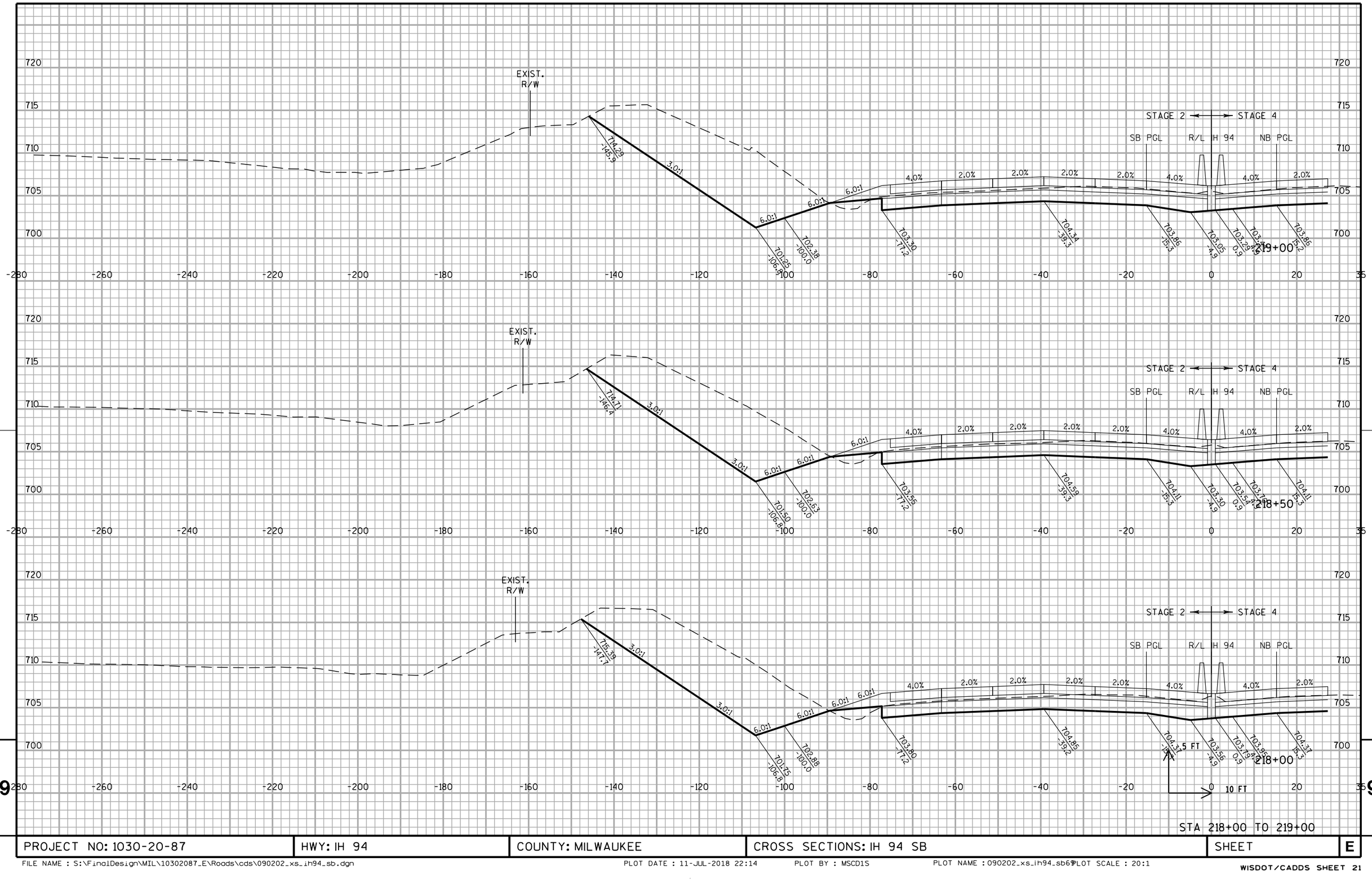


STA 216+50 TO 217+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 SB	SHEET	E

9

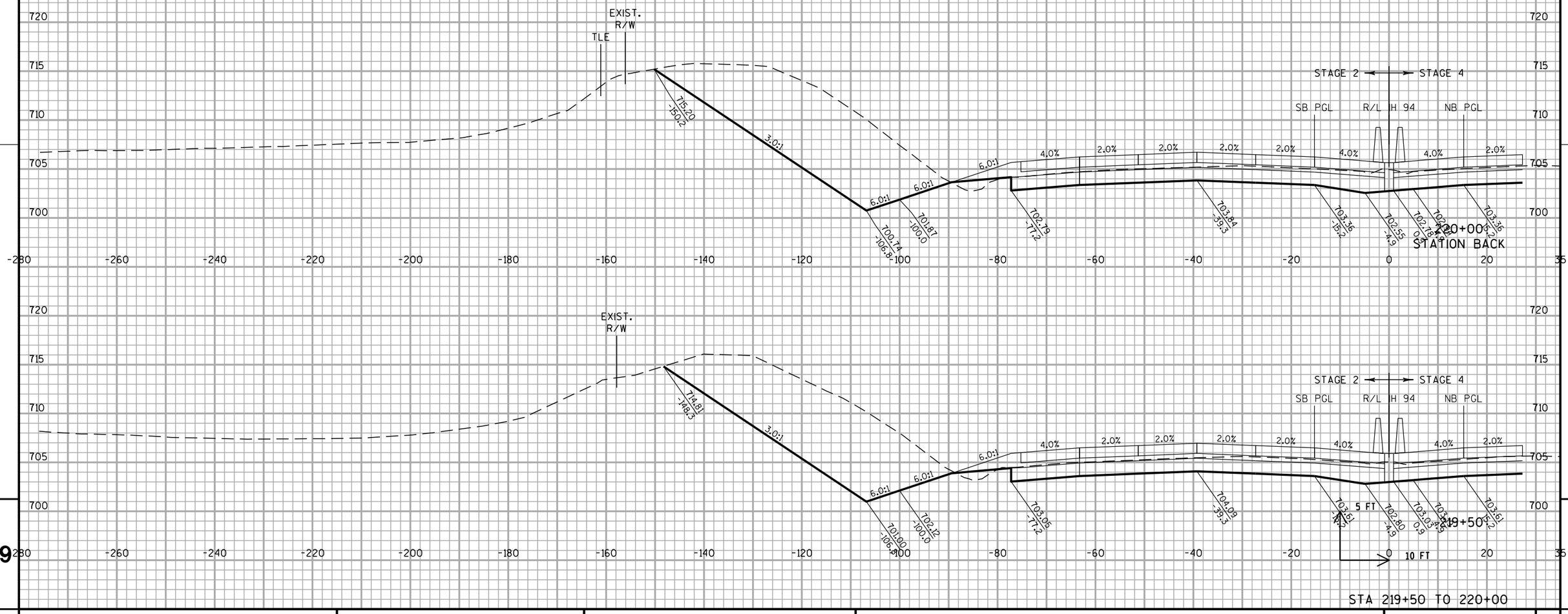
FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090202_xs_ih94_sb.dgn
PLOT DATE : 11-JUL-2018 22:14
PLOT BY : MSCD1S
PLOT NAME : 090202_xs_ih94_sb6
PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21



STA 218+00 TO 219+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 SB	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090202_xs_ih94_sb.dgn PLOT DATE : 11-JUL-2018 22:14 PLOT BY : MSCD1S PLOT NAME : 090202_xs_ih94_sb69 PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

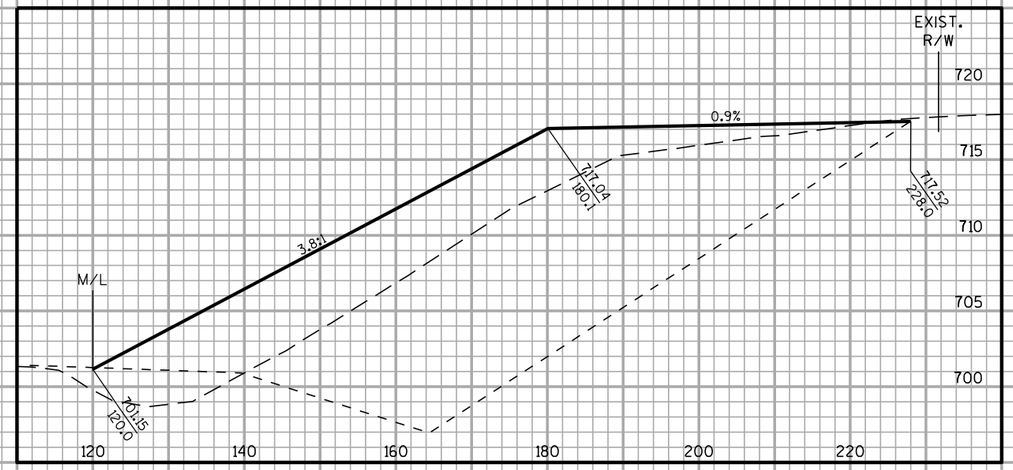


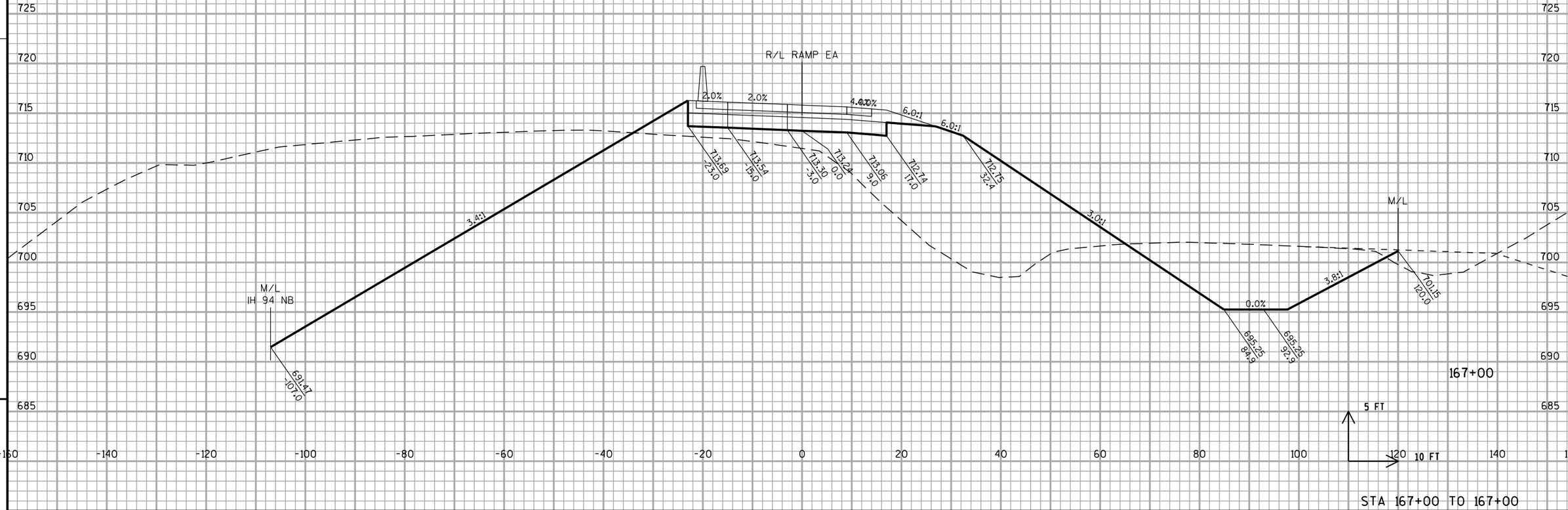
PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 SB	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090202_xs_ih94_sb.dgn PLOT DATE : 11-JUL-2018 22:14 PLOT BY : MSCD1S PLOT NAME : 090202_xs_ih94_sb7 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 4





STA 167+00 TO 167+00

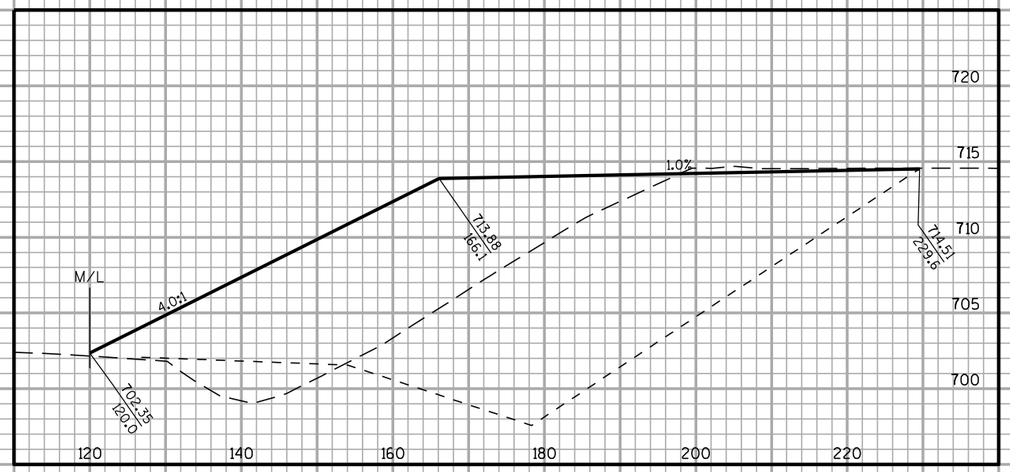
PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EA	SHEET	E

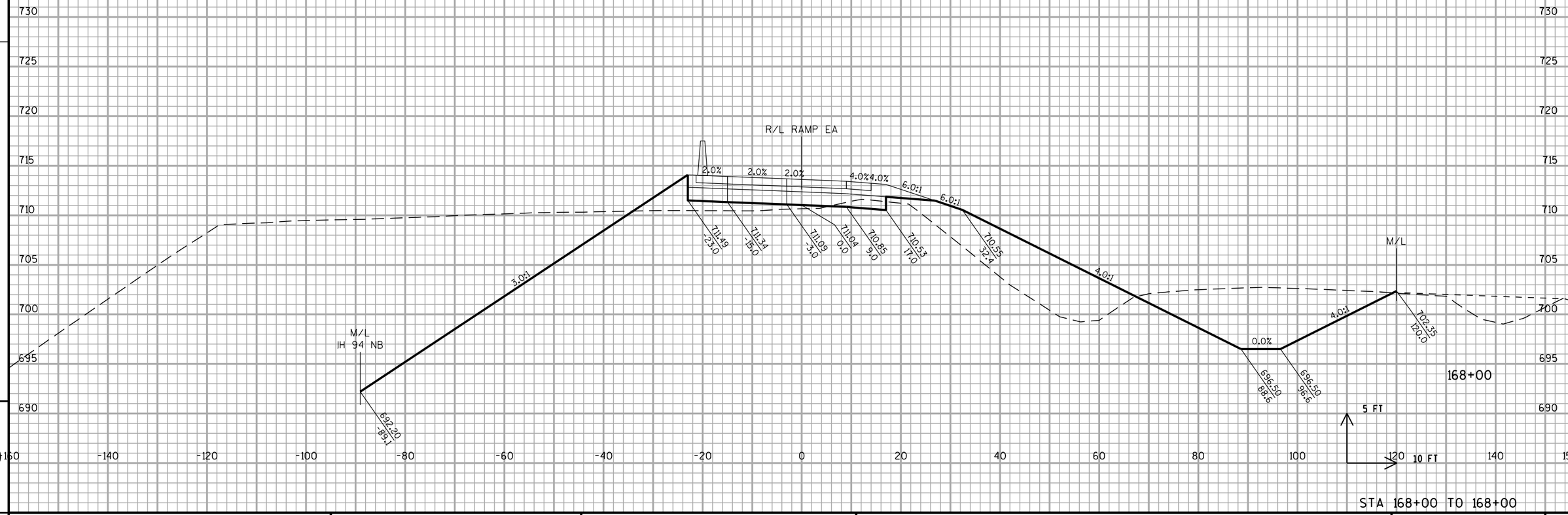
FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090401_xs_rampea.dgn PLOT DATE : 11-JUL-2018 22:14 PLOT BY : MSCD1S PLOT NAME : 090401_xs_rampea PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

9 9

ALL WORK STAGE 4





9 9

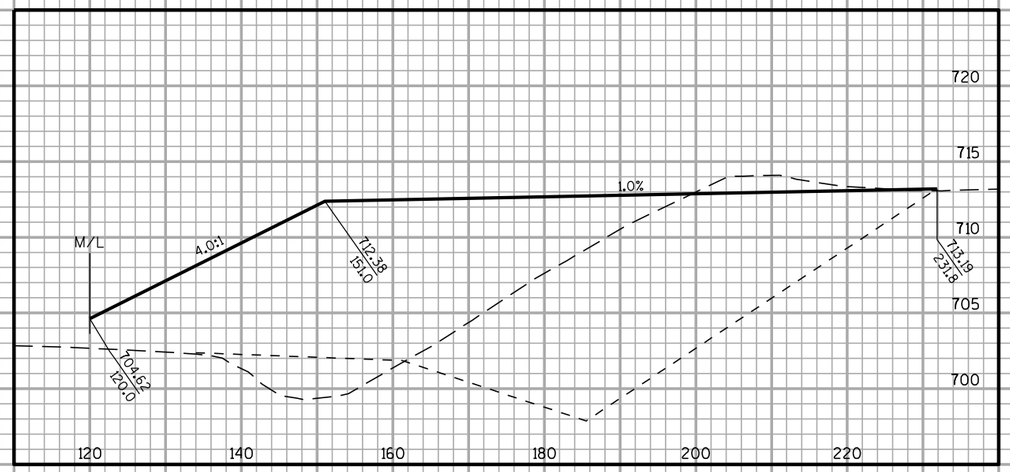
STA 168+00 TO 168+00

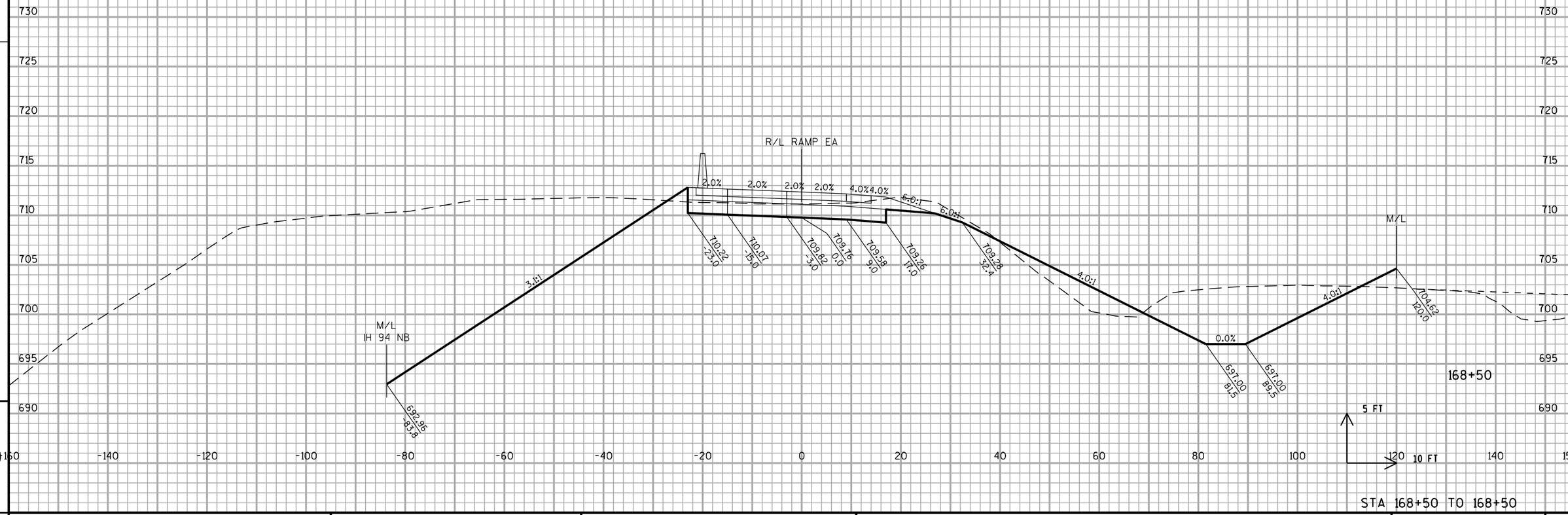
PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EA	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090401_xs_rampea.dgn PLOT DATE : 11-JUL-2018 22:14 PLOT BY : MSCD1S PLOT NAME : 090401_xs_rampea1 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 4





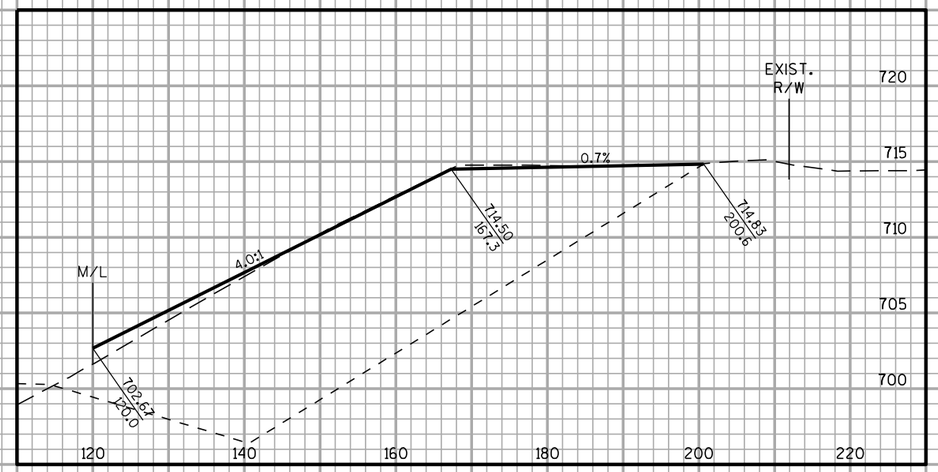
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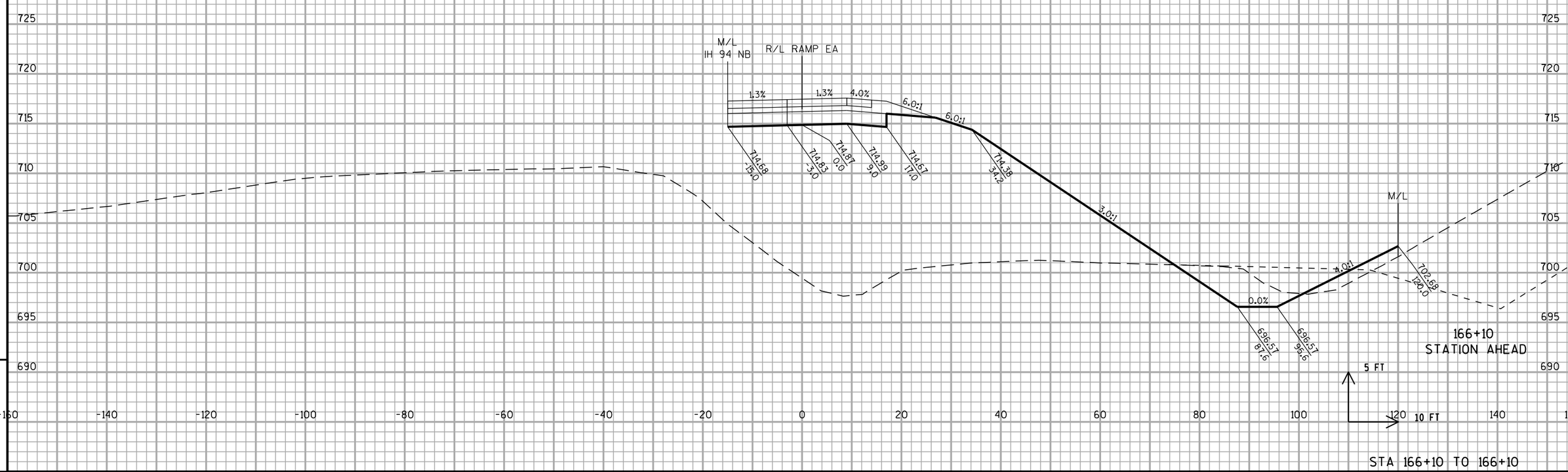
STA 168+50 TO 168+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EA	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090401_xs_rampea.dgn PLOT DATE : 11-JUL-2018 22:14 PLOT BY : MSCD1S PLOT NAME : 090401_xs_rampea2 PLOT SCALE : 20:1

ALL WORK STAGE 4



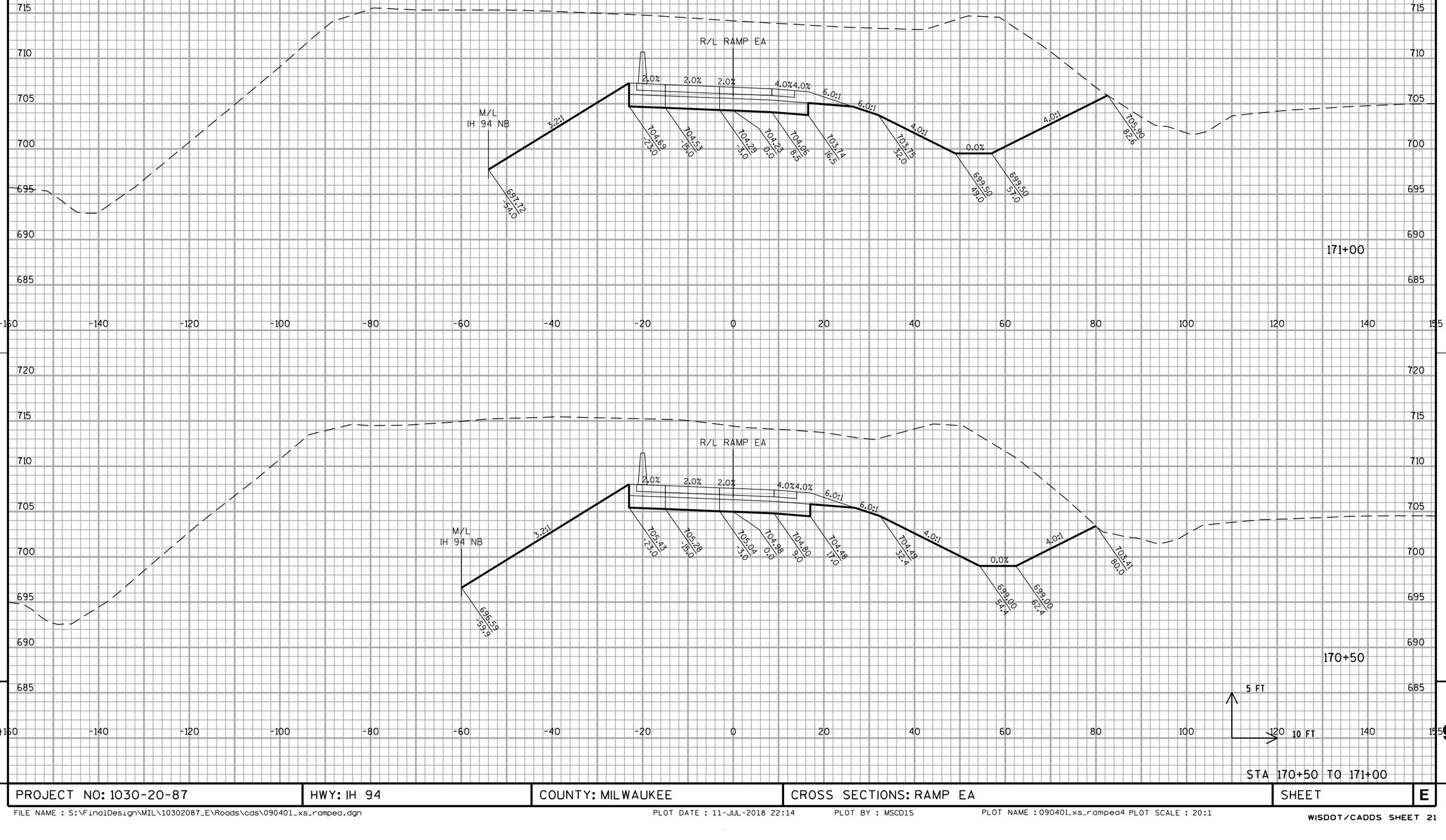


STA 166+10 TO 166+10

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EA	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090401_xs_rampea.dgn PLOT DATE : 11-JUL-2018 22:14 PLOT BY : MSCD1S PLOT NAME : 090401_xs_rampea3 PLOT SCALE : 20:1

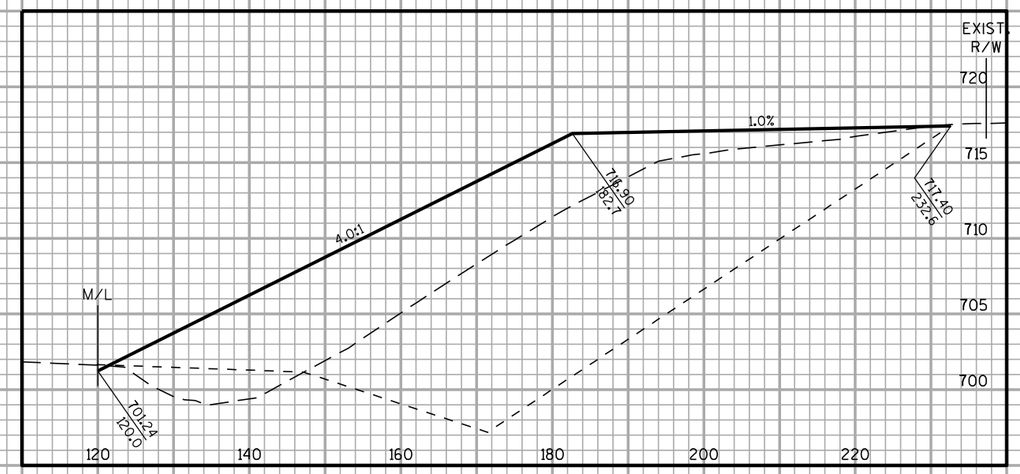
ALL WORK STAGE 4

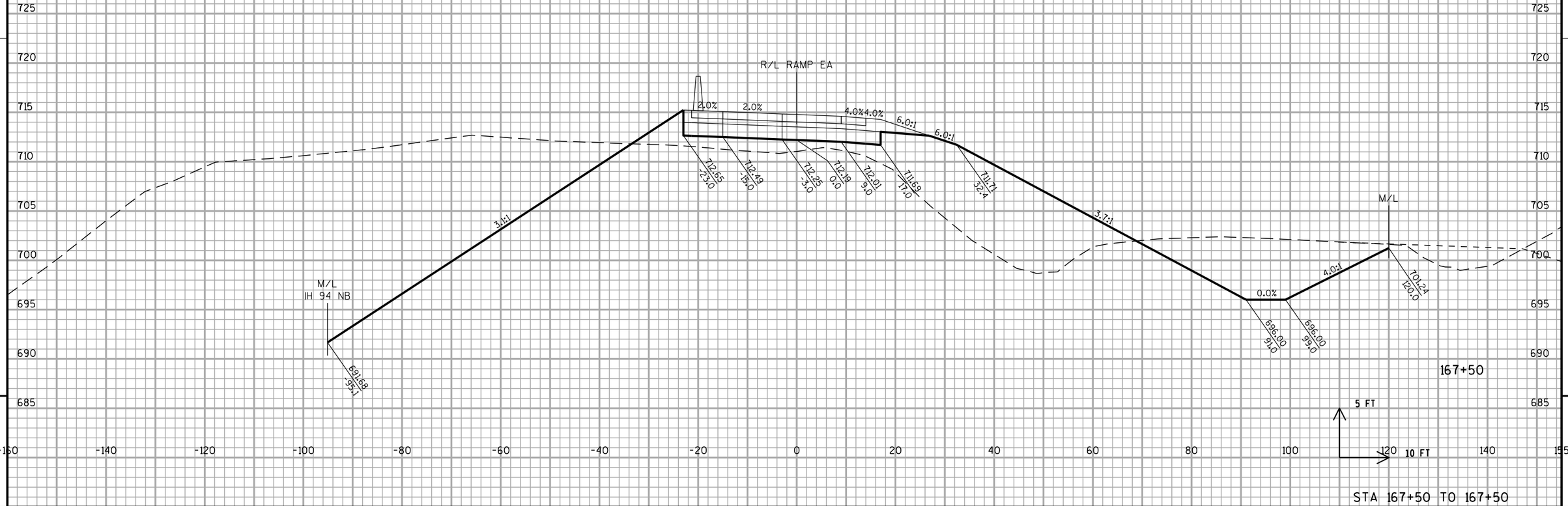


PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EA	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090401_xs_rampea.dgn PLOT DATE : 11-JUL-2018 22:14 PLOT BY : MSCD1S PLOT NAME : 090401_xs_rampea4 PLOT SCALE : 20:1

ALL WORK STAGE 4





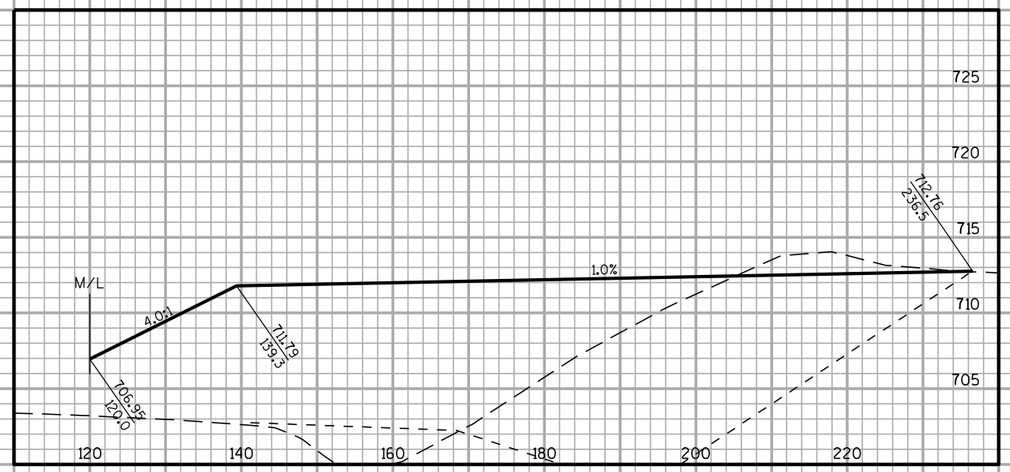
STA 167+50 TO 167+50

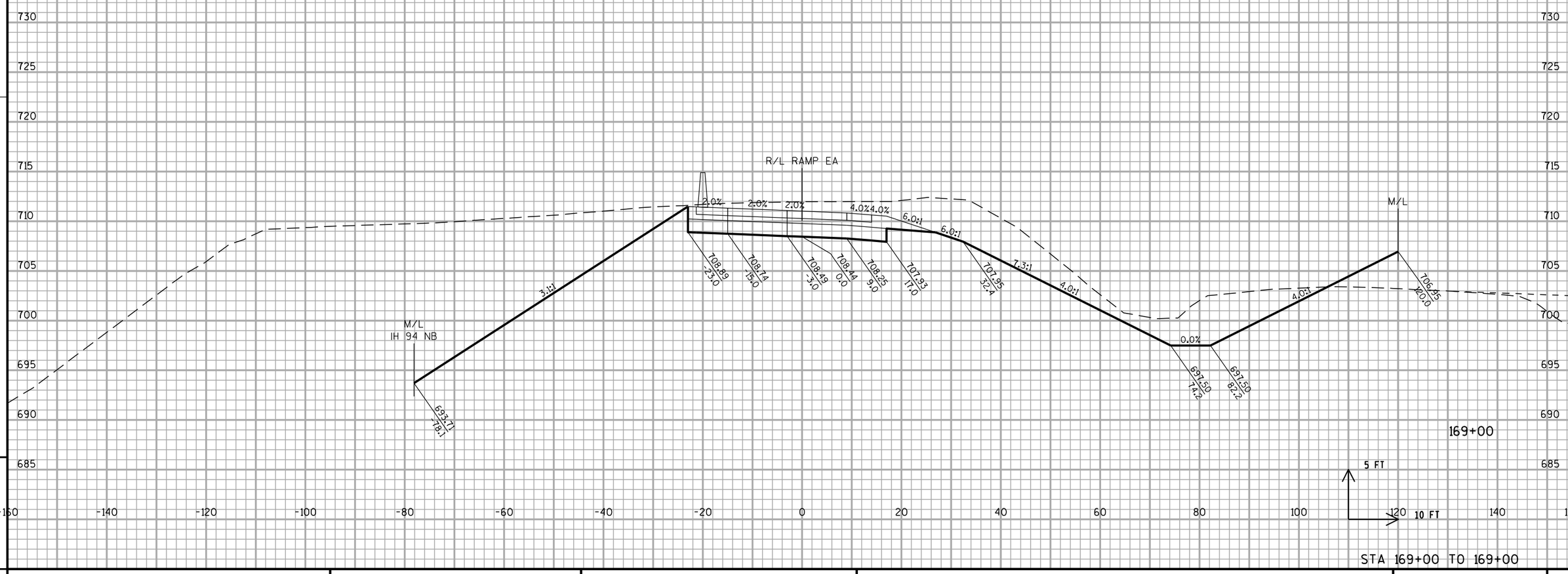
PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EA	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090401_xs_rampea.dgn PLOT DATE : 11-JUL-2018 22:14 PLOT BY : MSCD1S PLOT NAME : 090401_xs_rampea5 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 4

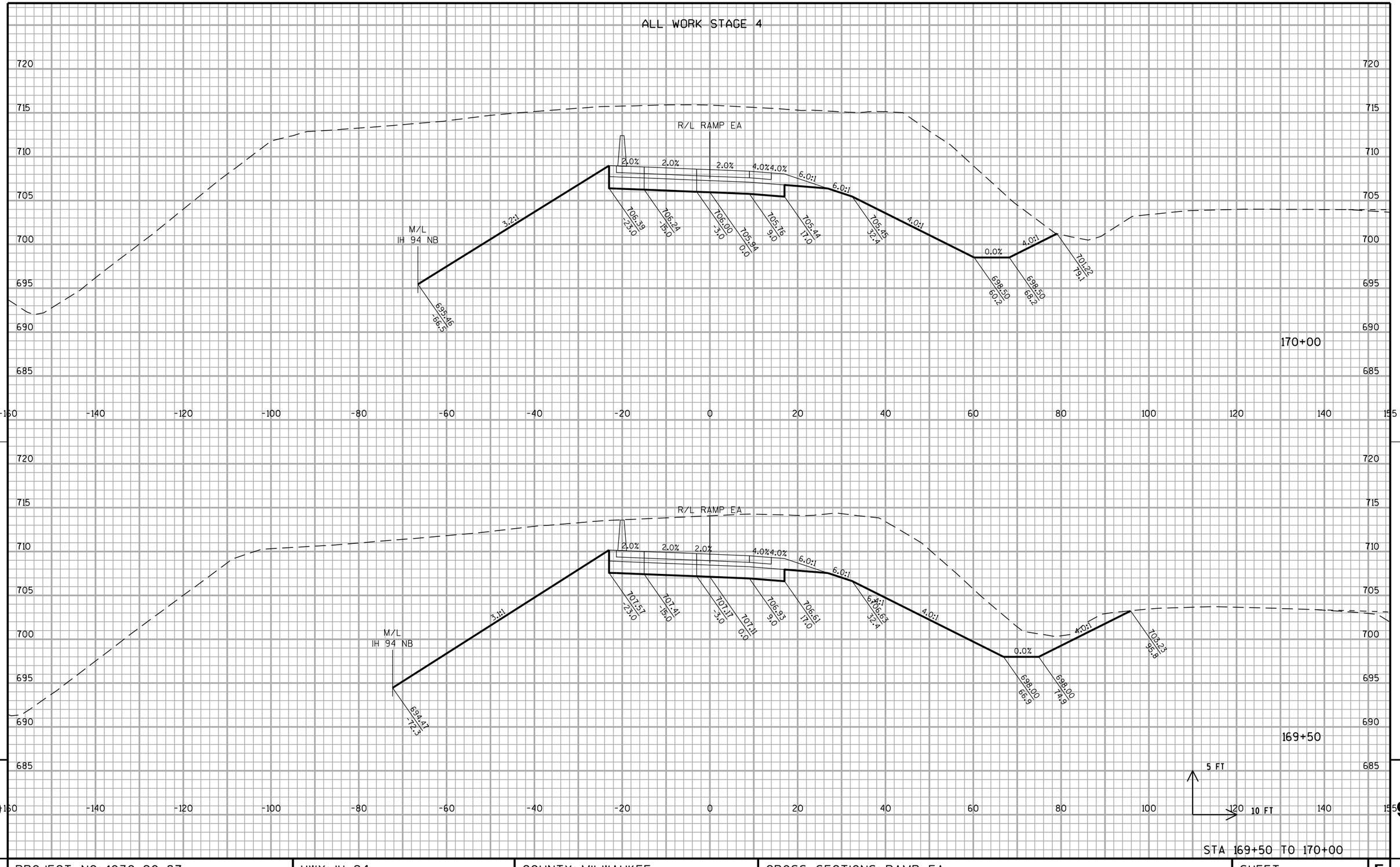




STA 169+00 TO 169+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EA	SHEET	E

ALL WORK STAGE 4



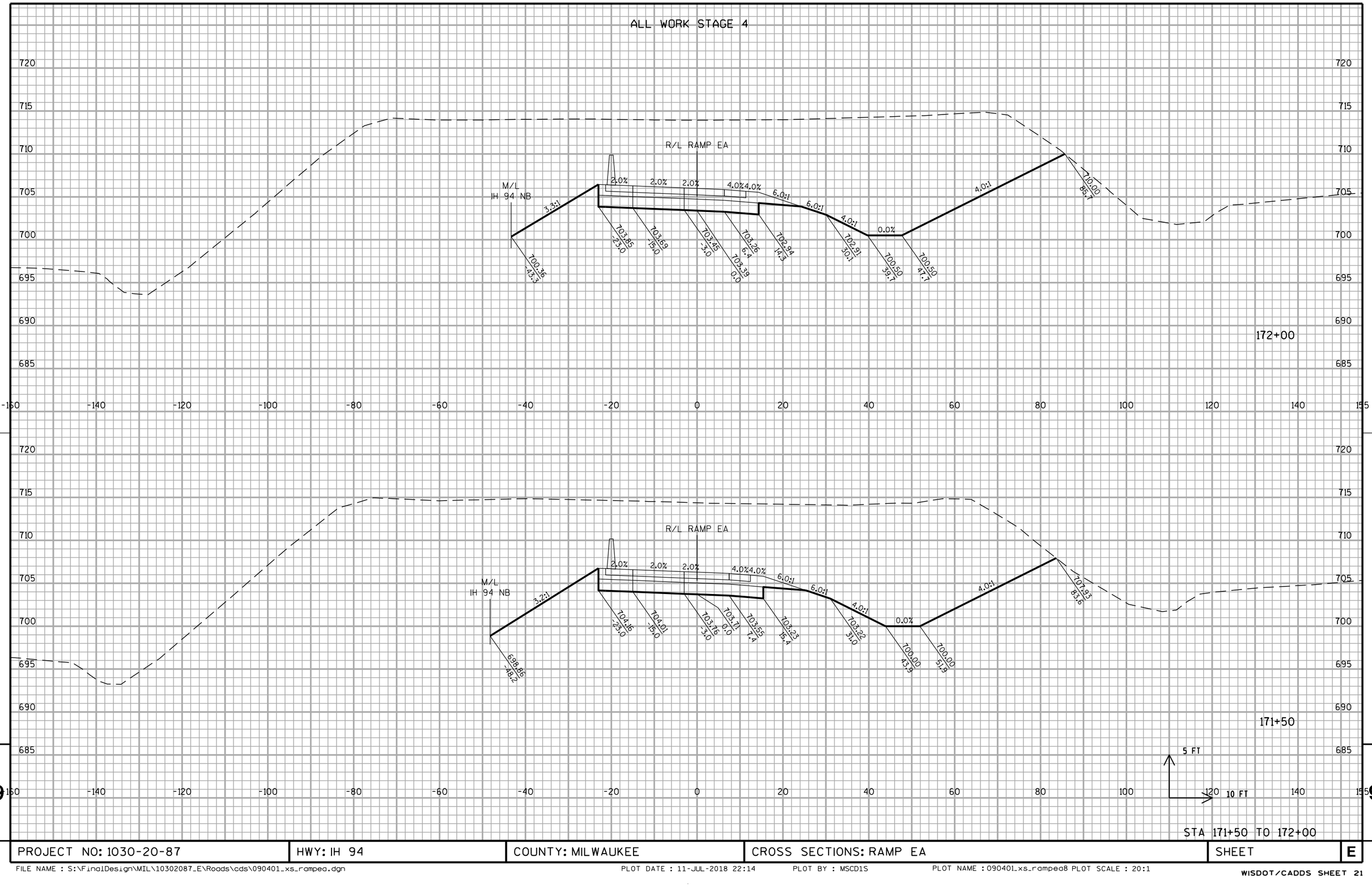
STA 169+50 TO 170+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EA	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090401_xs_rampea.dgn PLOT DATE : 11-JUL-2018 22:14 PLOT BY : MSCD1S PLOT NAME : 090401_xs_rampea7 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 4

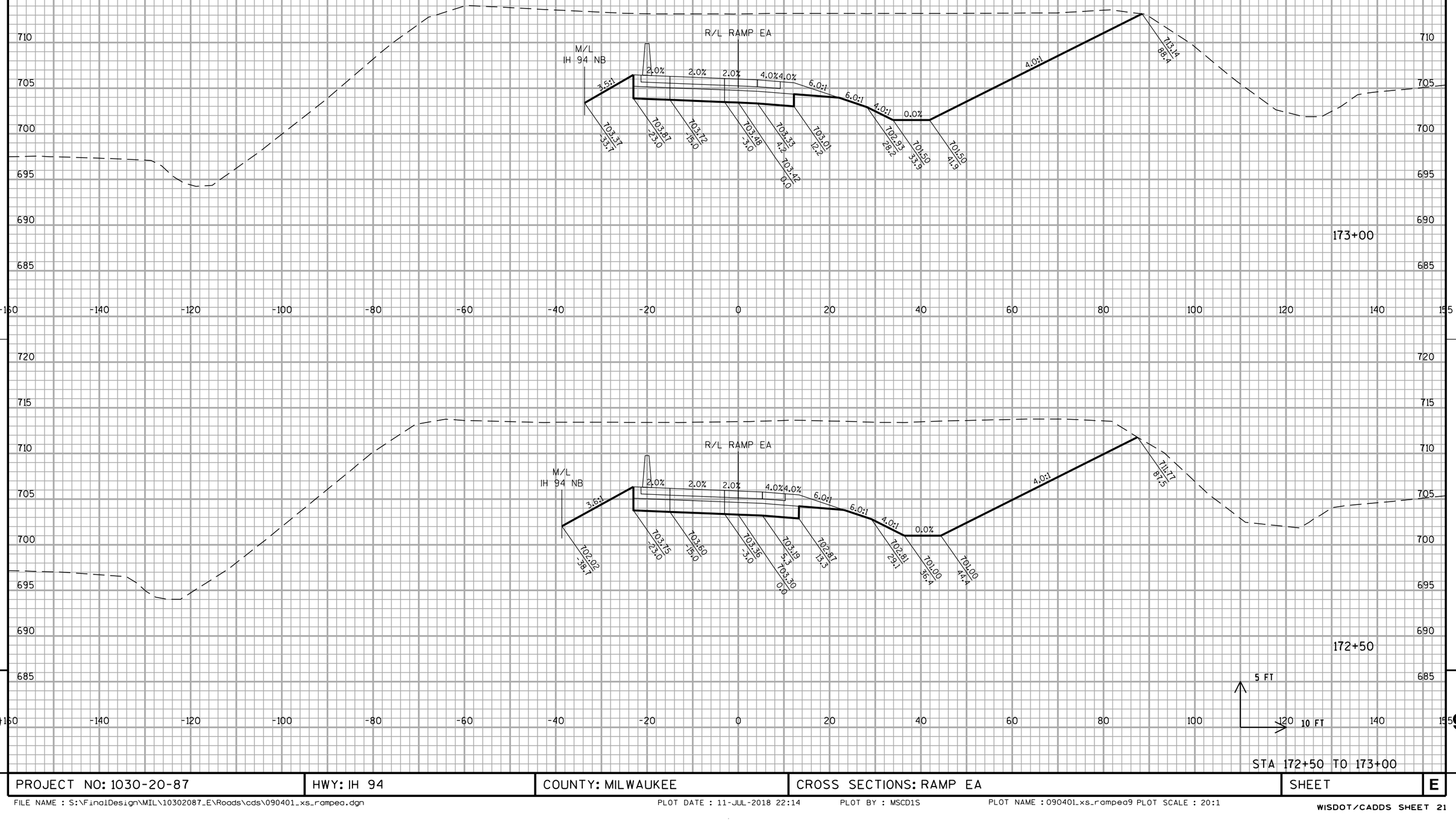


PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EA	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090401_xs_rampea.dgn PLOT DATE : 11-JUL-2018 22:14 PLOT BY : MSCD1S PLOT NAME : 090401_xs_rampea8 PLOT SCALE : 20:1

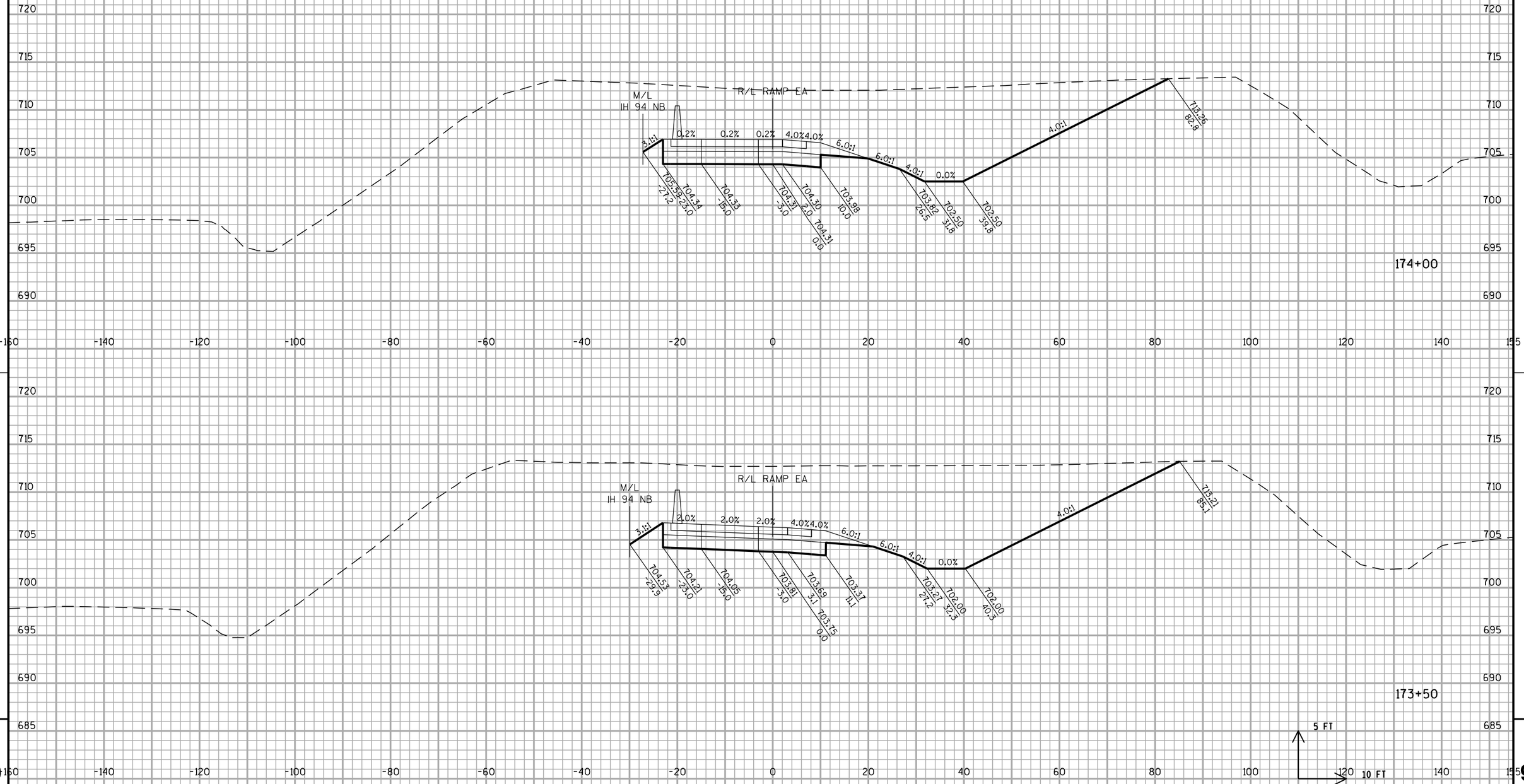
WISDOT/CADDS SHEET 21

ALL WORK STAGE 4



PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EA	SHEET	E

ALL WORK STAGE 4



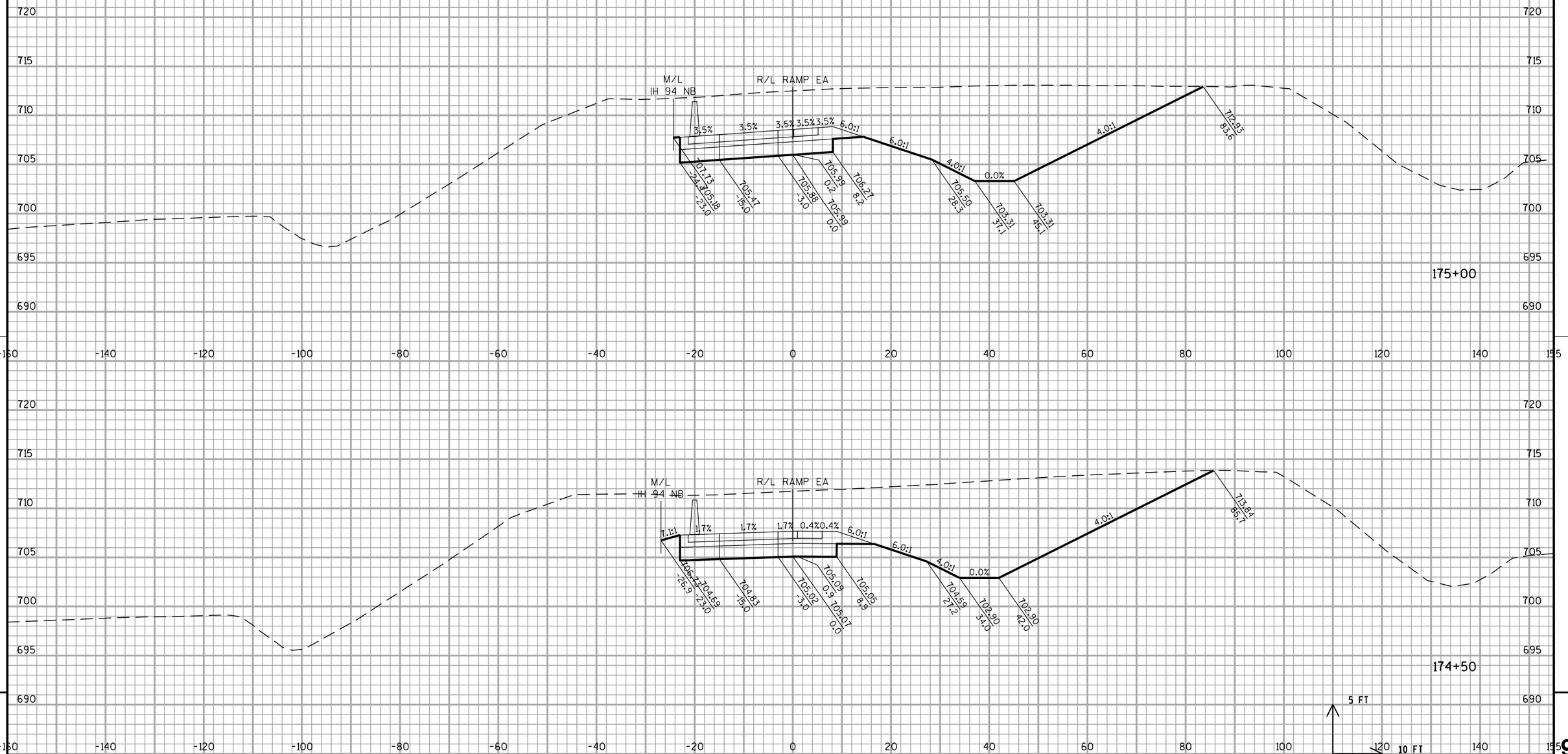
STA 173+50 TO 174+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EA	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090401_xs_rampea.dgn PLOT DATE : 11-JUL-2018 22:15 PLOT BY : MSCD1S PLOT NAME : 090401_xs_rampea10PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 4



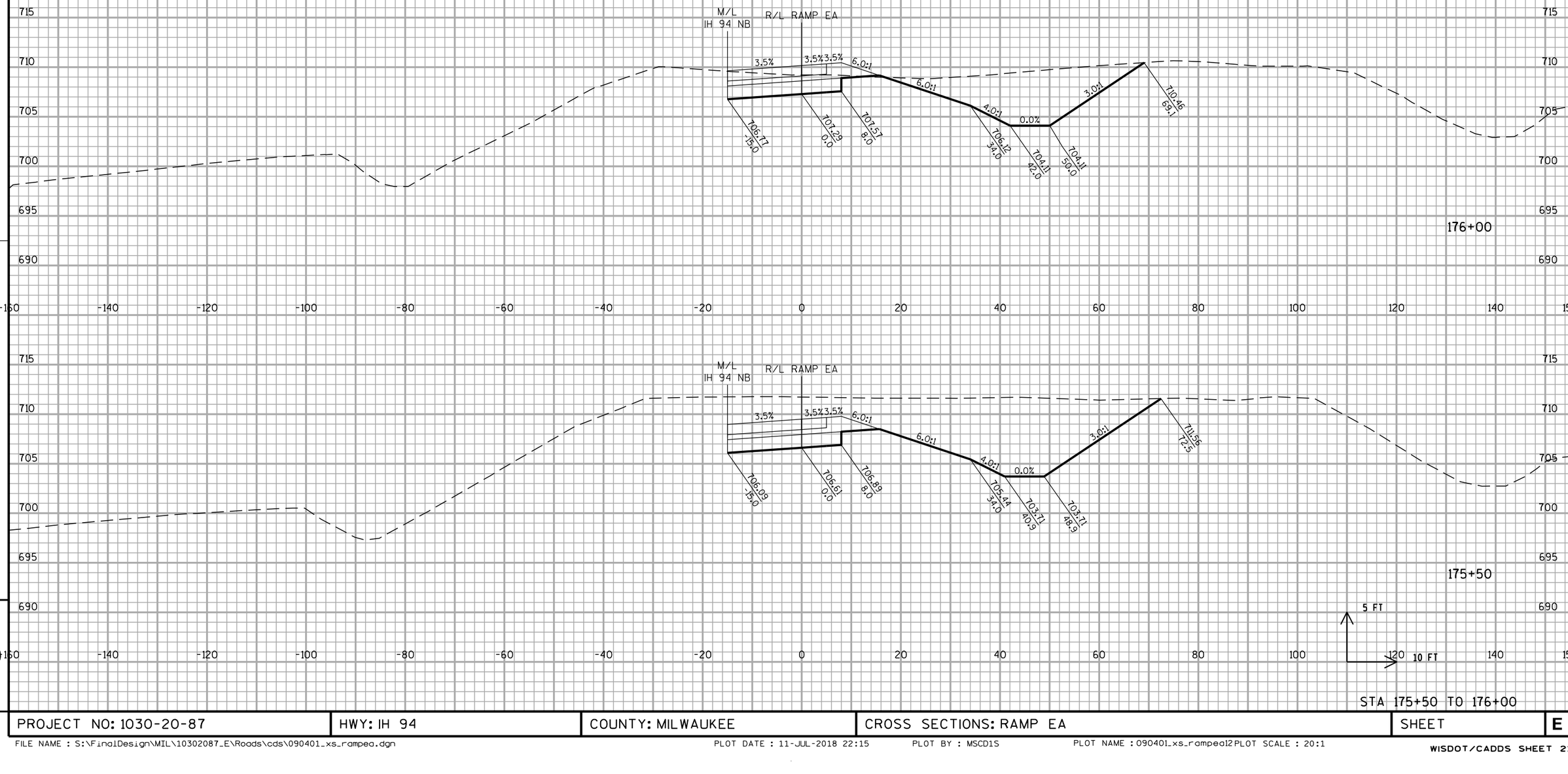
STA 174+50 TO 175+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EA	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090401_xs_rampea.dgn PLOT DATE : 11-JUL-2018 22:15 PLOT BY : MSCD1S PLOT NAME : 090401_xs_rampea11 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 4



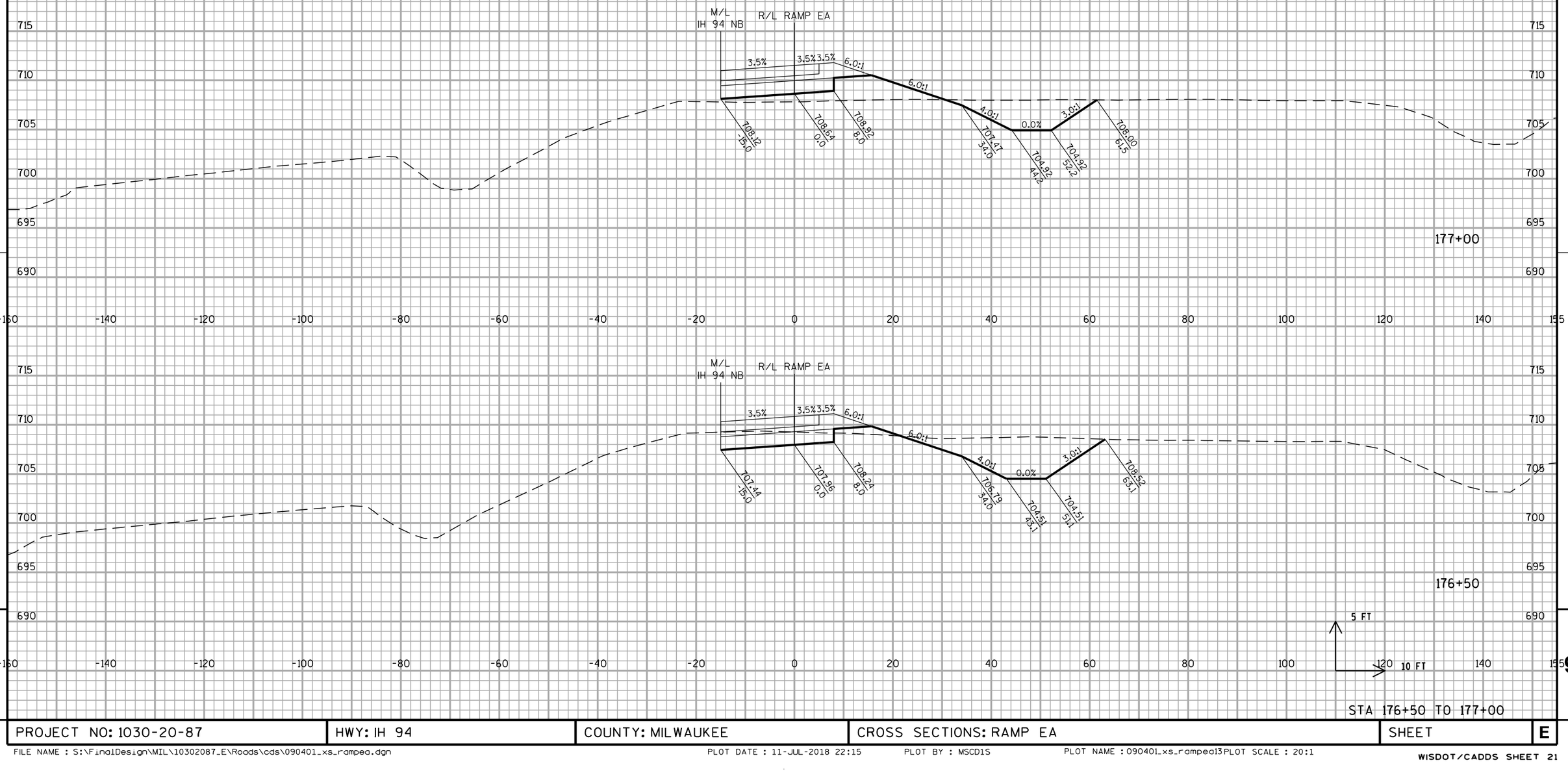
STA 175+50 TO 176+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EA	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090401_xs_rampea.dgn PLOT DATE : 11-JUL-2018 22:15 PLOT BY : MSCD1S PLOT NAME : 090401_xs_rampea12 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 4



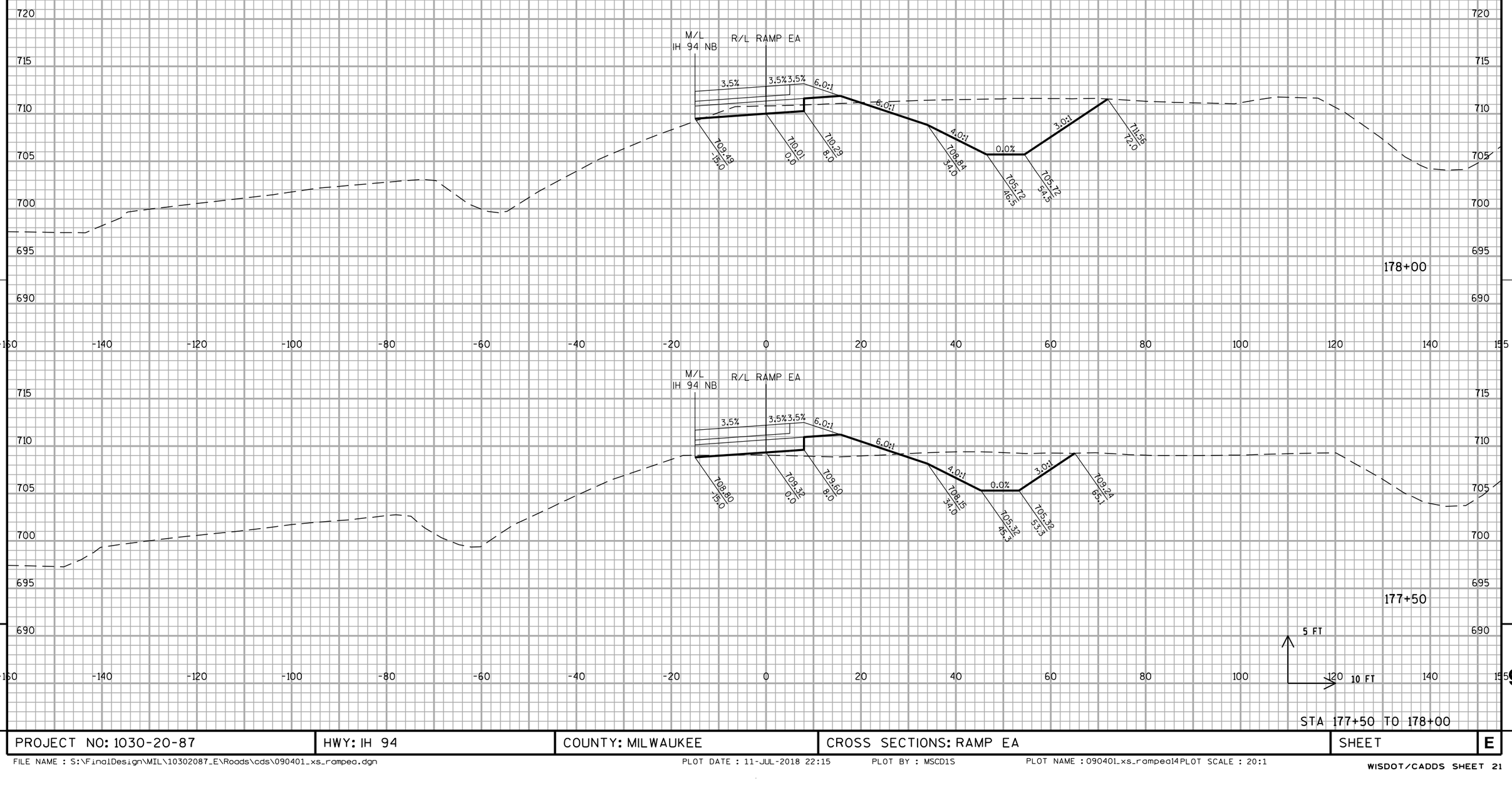
STA 176+50 TO 177+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EA	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090401_xs_rampea.dgn PLOT DATE : 11-JUL-2018 22:15 PLOT BY : MSCD1S PLOT NAME : 090401_xs_rampea13PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

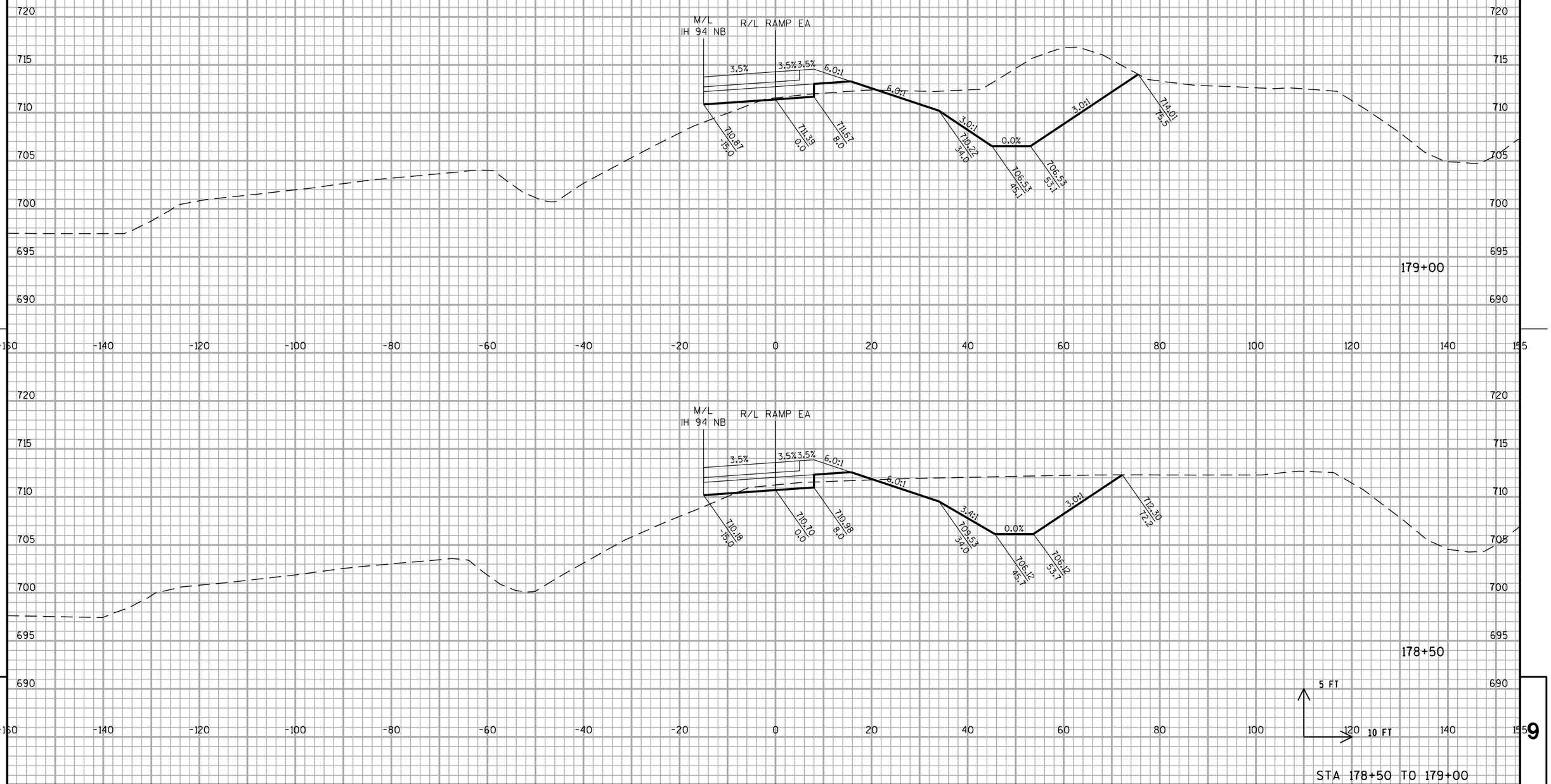
ALL WORK STAGE 4



PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EA	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090401_xs_rampea.dgn PLOT DATE : 11-JUL-2018 22:15 PLOT BY : MSCD1S PLOT NAME : 090401_xs_rampea14PLOT SCALE : 20:1

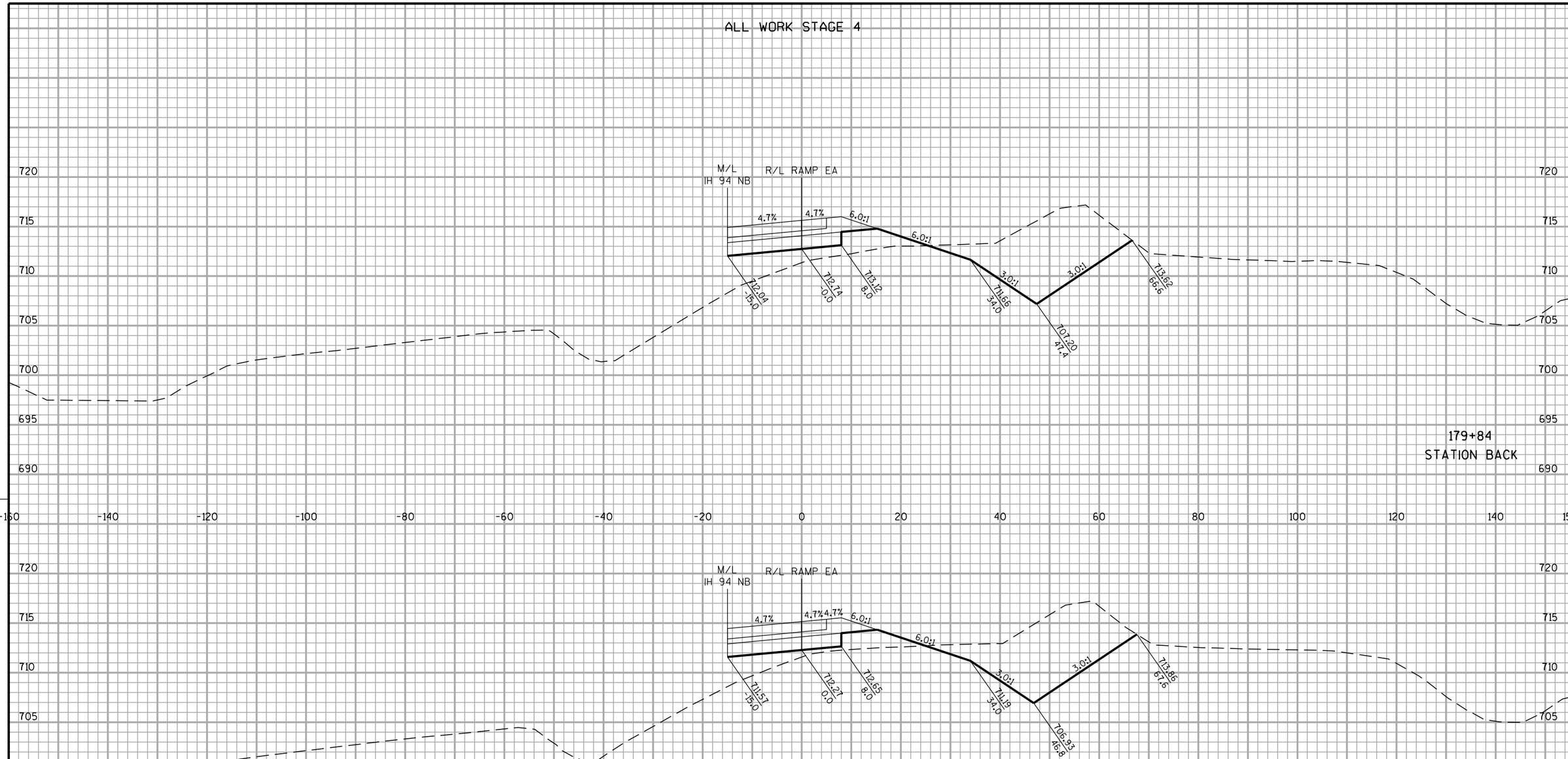
ALL WORK STAGE 4



STA 178+50 TO 179+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EA	SHEET	E

ALL WORK STAGE 4



179+84
STATION BACK

179+50

5 FT
10 FT

STA 179+50 TO 179+84

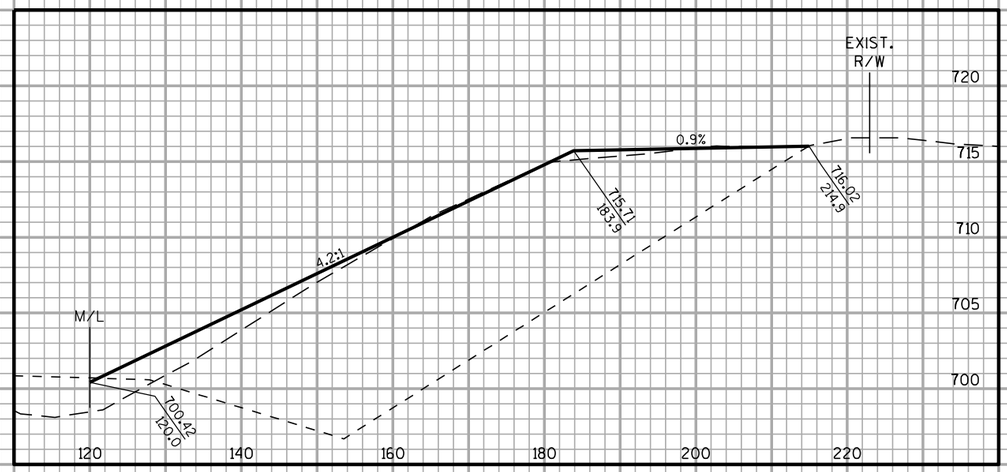
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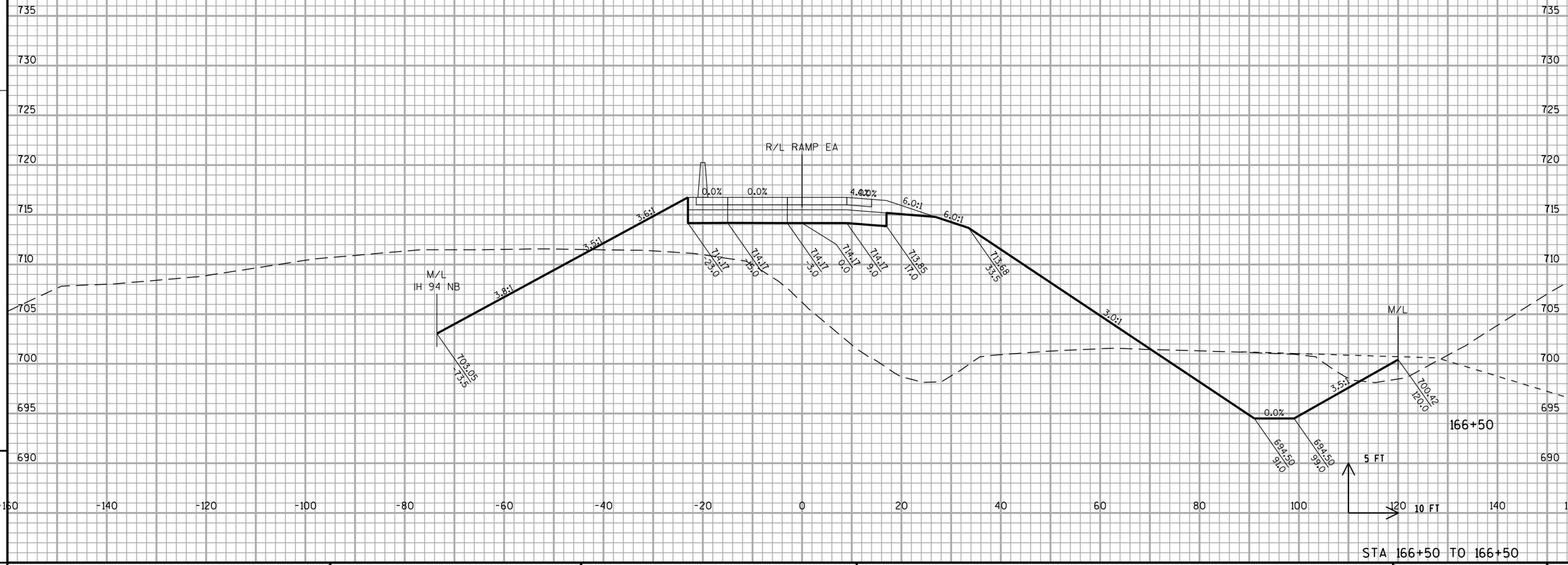
PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EA	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090401_xs_rampea.dgn PLOT DATE : 11-JUL-2018 22:15 PLOT BY : MSCD1S PLOT NAME : 090401_xs_rampea16 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 4





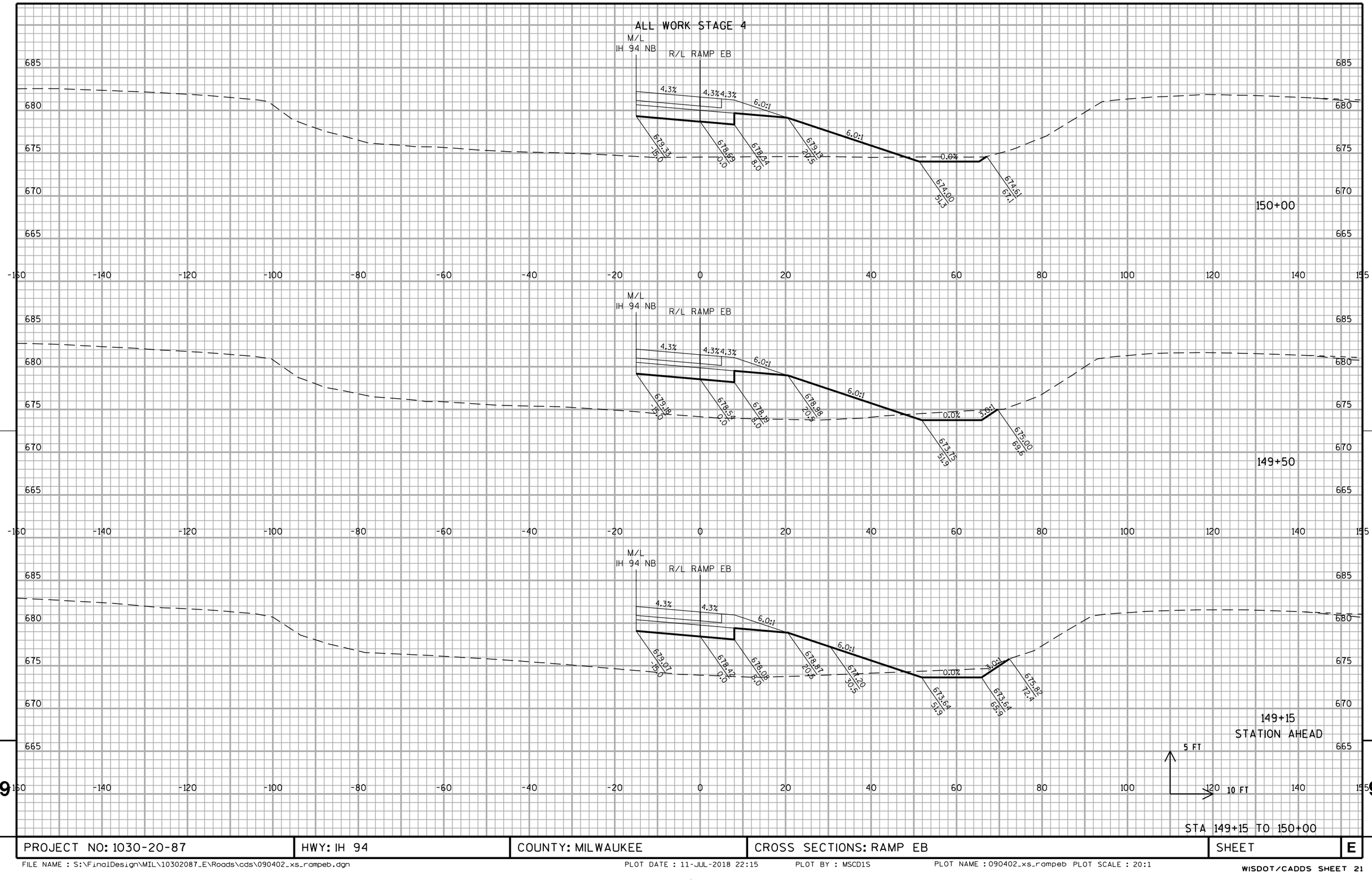
STA 166+50 TO 166+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EA	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090401_xs_rampea.dgn PLOT DATE : 11-JUL-2018 22:15 PLOT BY : MSCD1S PLOT NAME : 090401_xs_rampea17 PLOT SCALE : 20:1

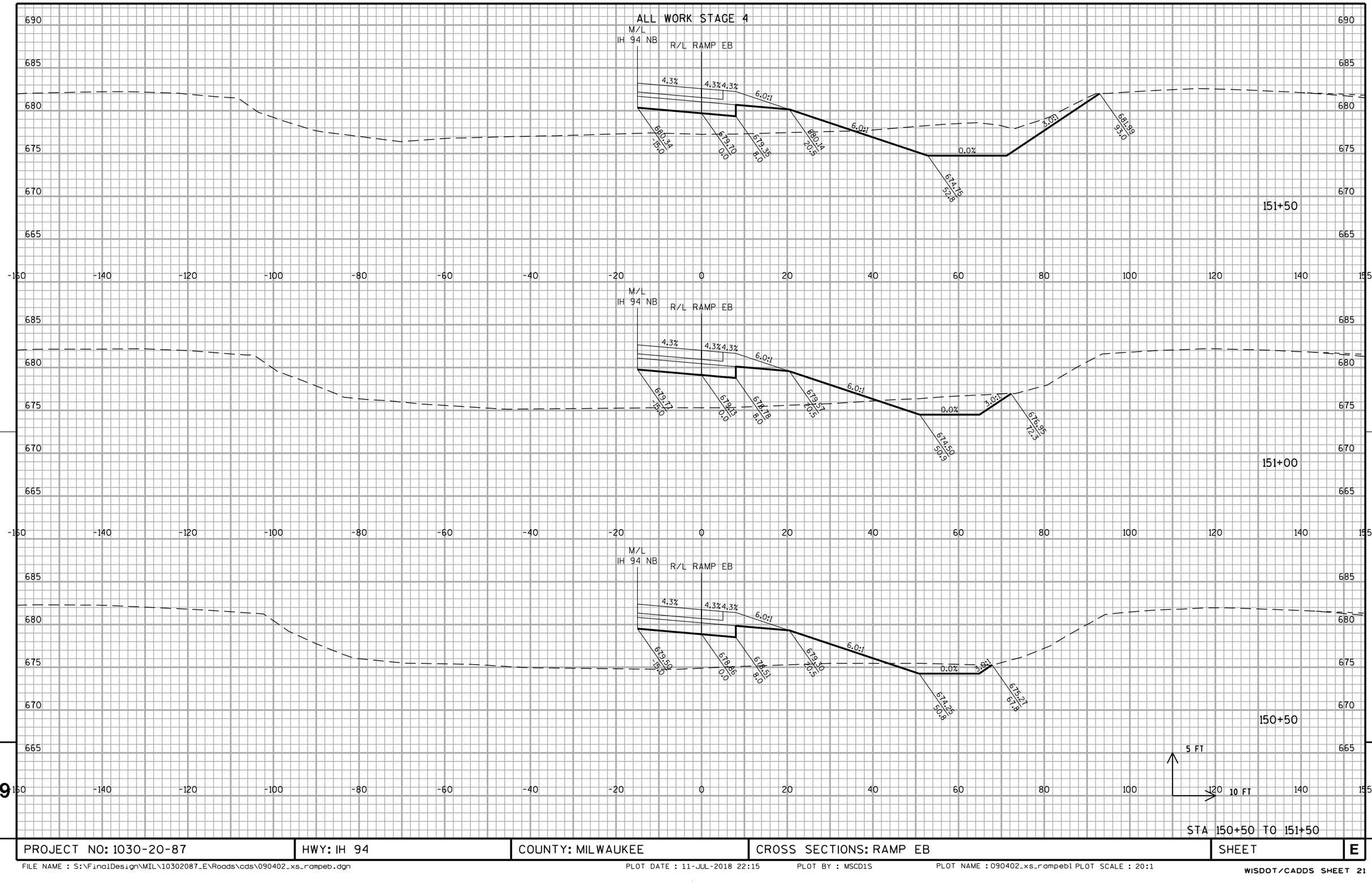
WISDOT/CADDS SHEET 21

ALL WORK STAGE 4



PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EB	SHEET	E

ALL WORK STAGE 4



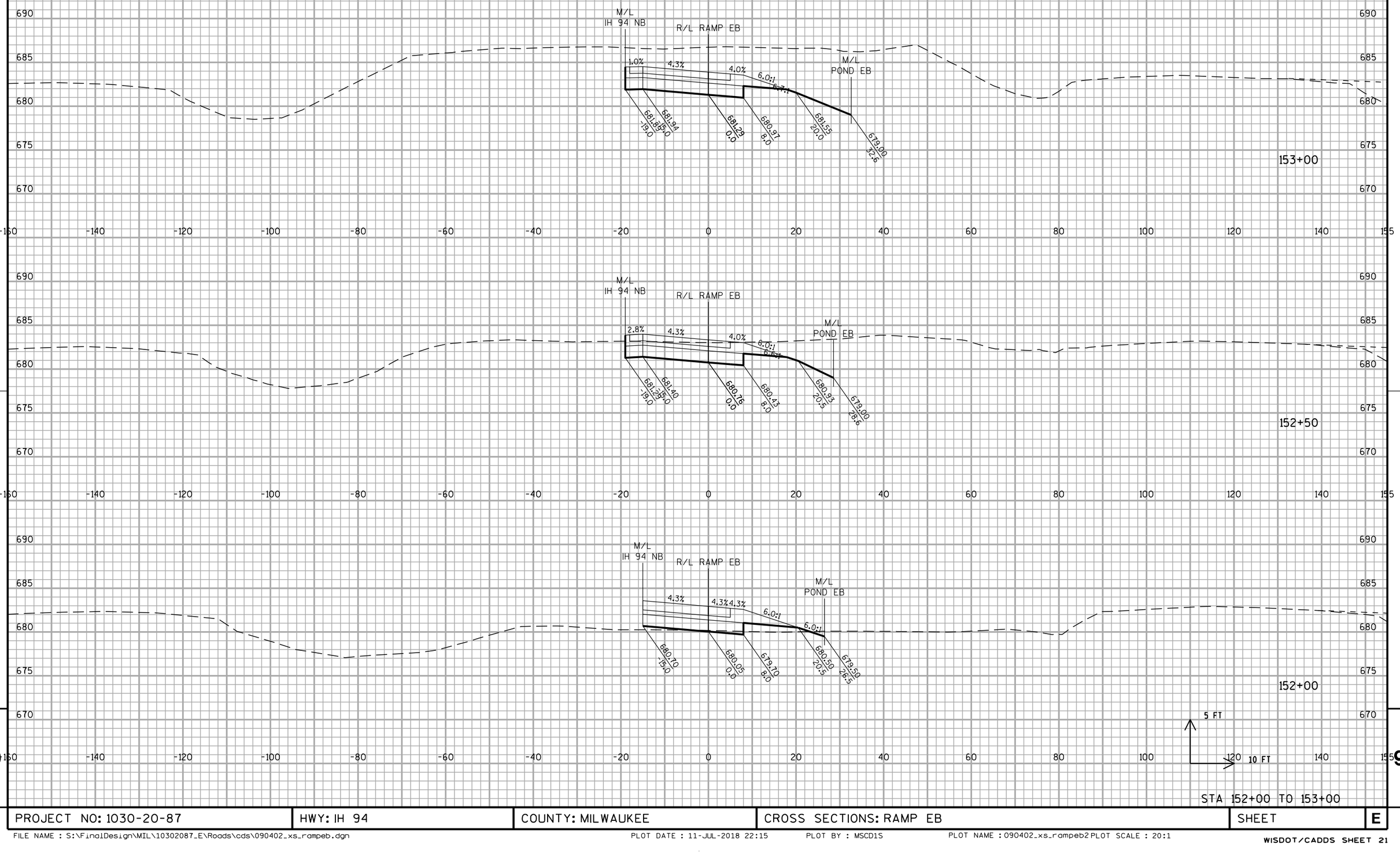
PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EB	SHEET	E

STA 150+50 TO 151+50

9

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090402_xs_rampeb.dgn
PLOT DATE : 11-JUL-2018 22:15
PLOT BY : MSCD1S
PLOT NAME : 090402_xs_rampeb1 PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

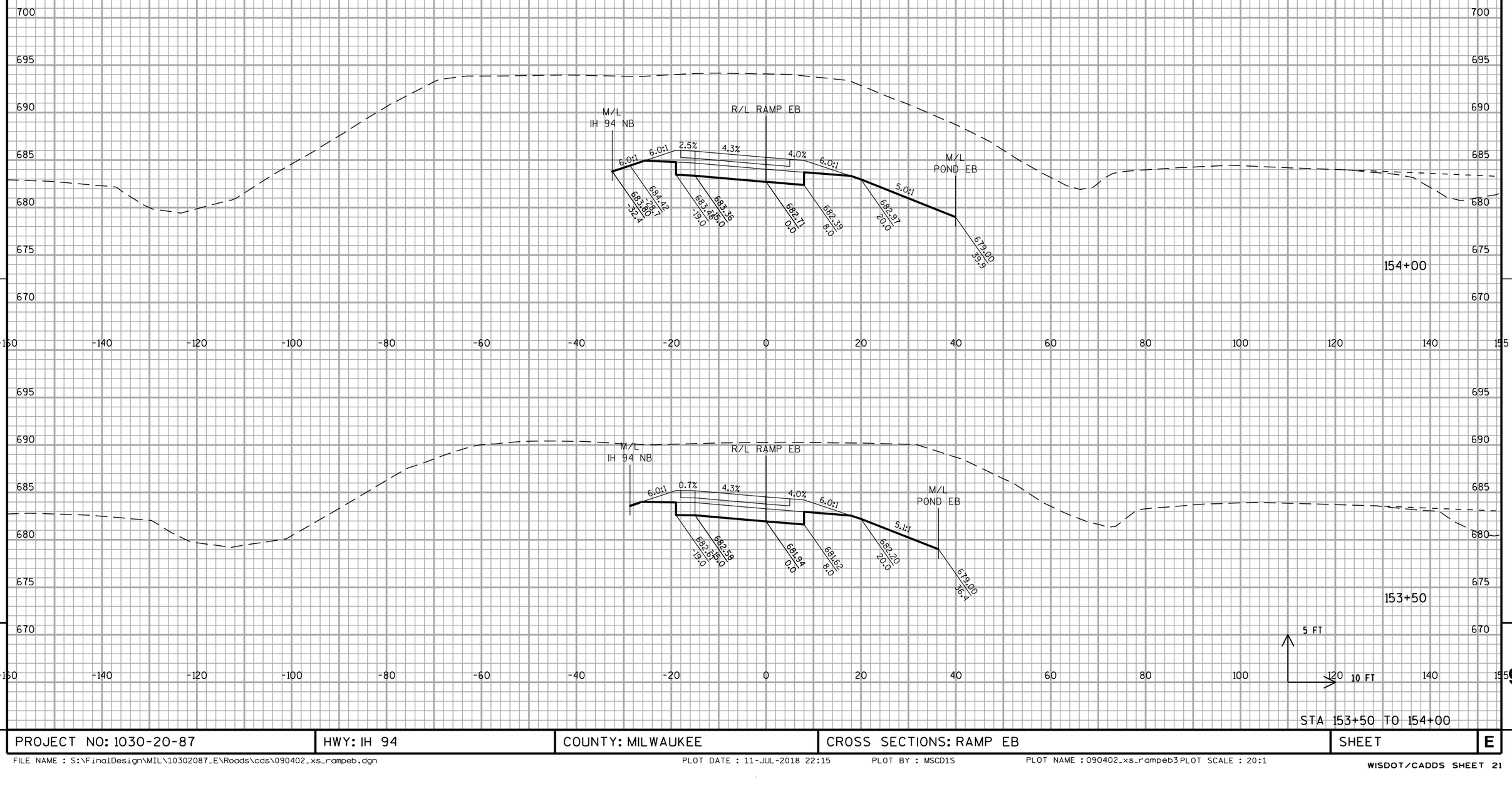
ALL WORK STAGE 4



STA 152+00 TO 153+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EB	SHEET	E

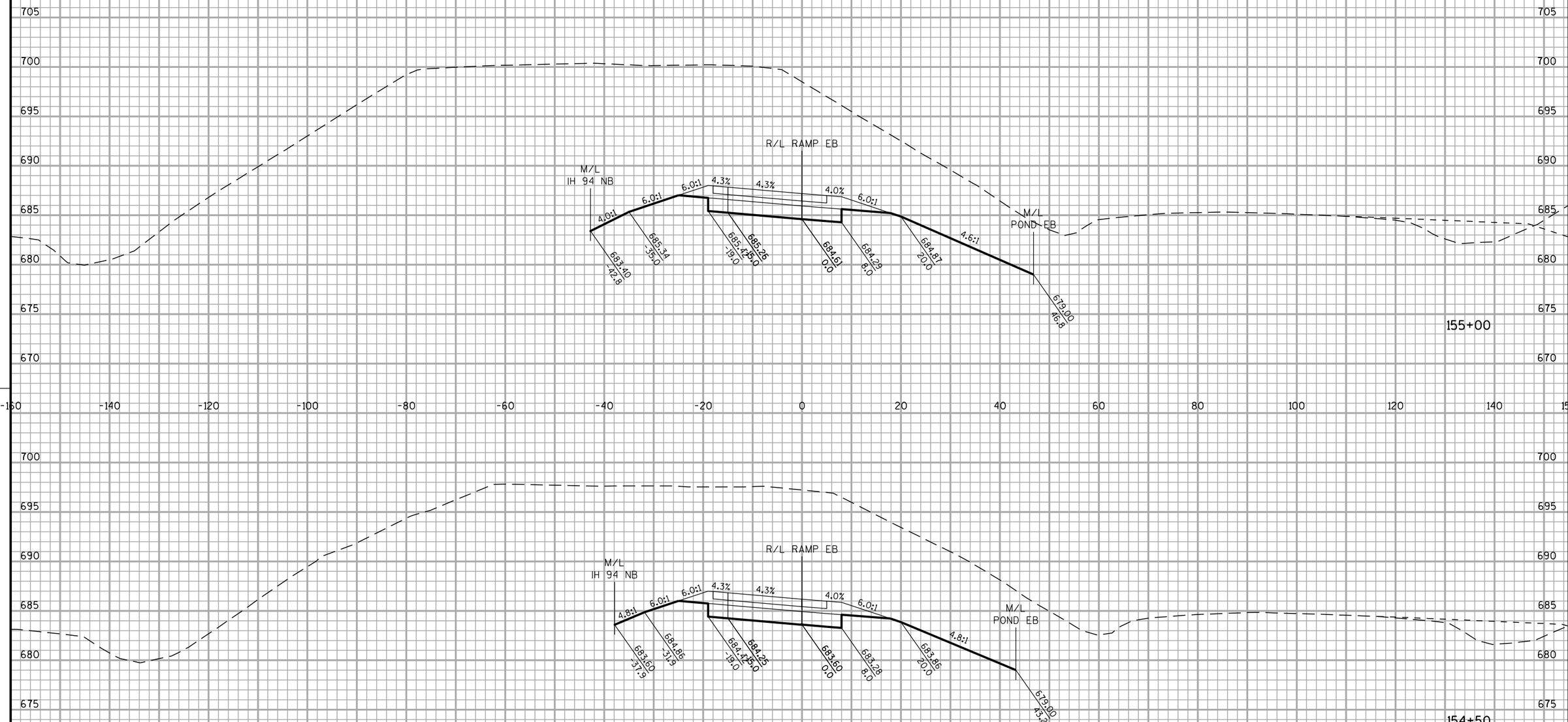
ALL WORK STAGE 4



PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EB	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090402_xs_rampeb.dgn PLOT DATE : 11-JUL-2018 22:15 PLOT BY : MSCD1S PLOT NAME : 090402_xs_rampeb3 PLOT SCALE : 20:1

ALL WORK STAGE 4



9

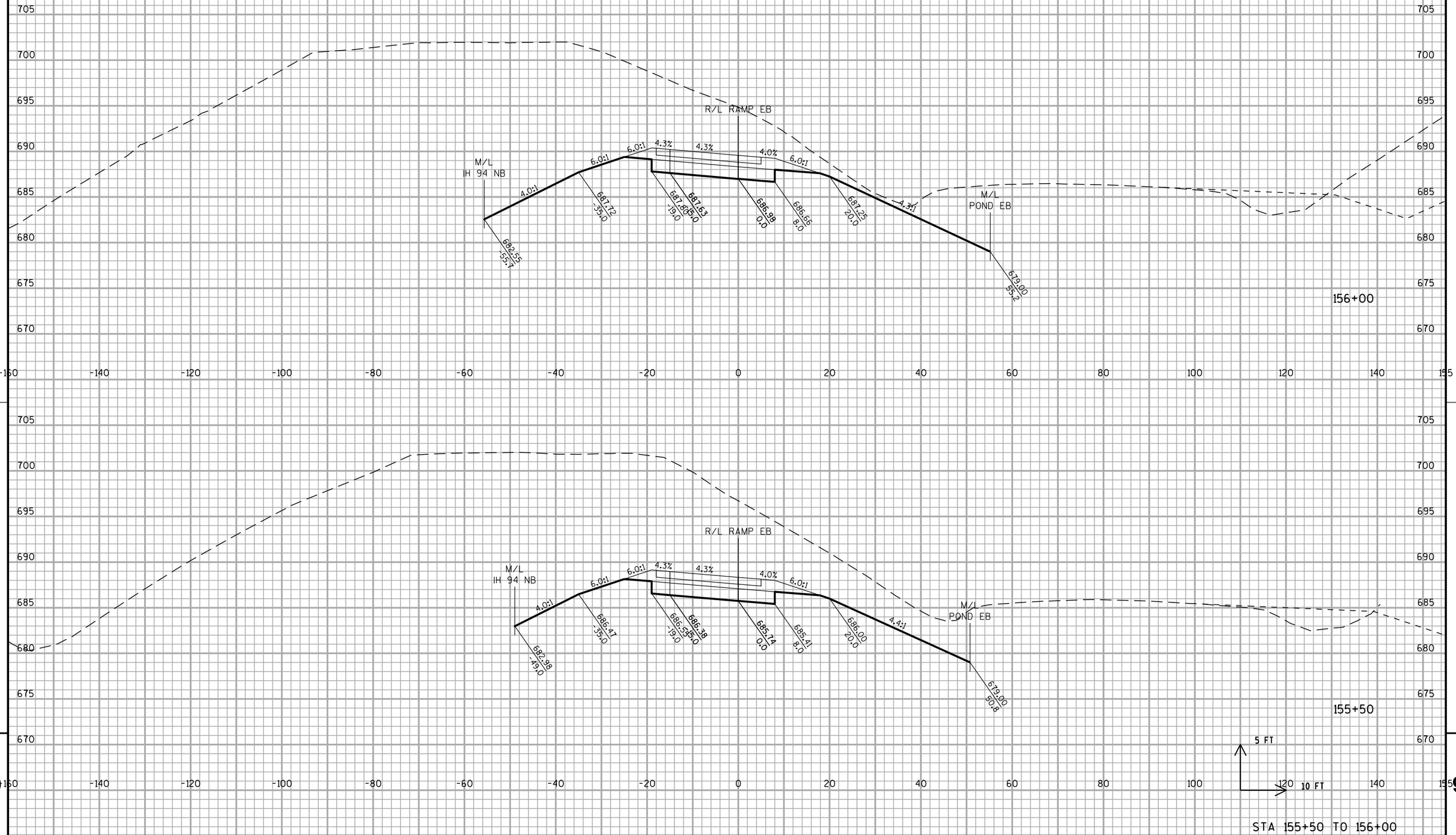
STA 154+50 TO 155+00

9

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EB	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090402_xs_rampeb.dgn PLOT DATE : 11-JUL-2018 22:15 PLOT BY : MSCD1S PLOT NAME : 090402_xs_rampeb4 PLOT SCALE : 20:1

ALL WORK STAGE 4

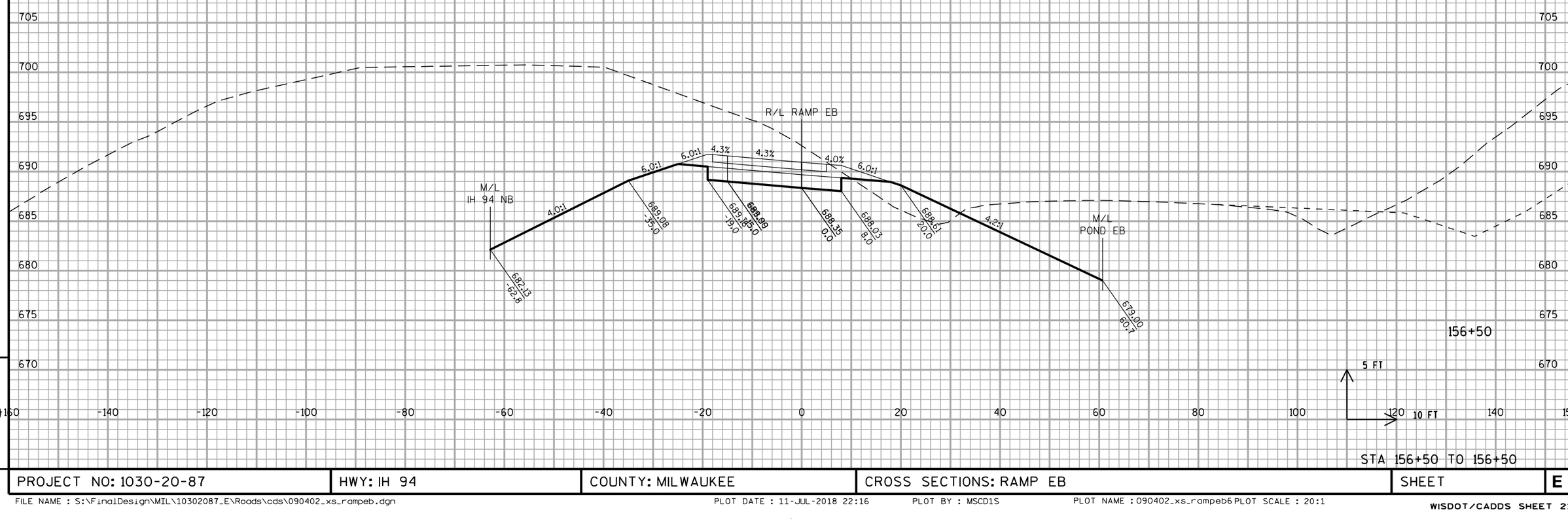


STA 155+50 TO 156+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EB	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090402_xs_rampeb.dgn PLOT DATE : 11-JUL-2018 22:16 PLOT BY : MSCD1S PLOT NAME : 090402_xs_rampeb5 PLOT SCALE : 20:1

ALL WORK STAGE 4



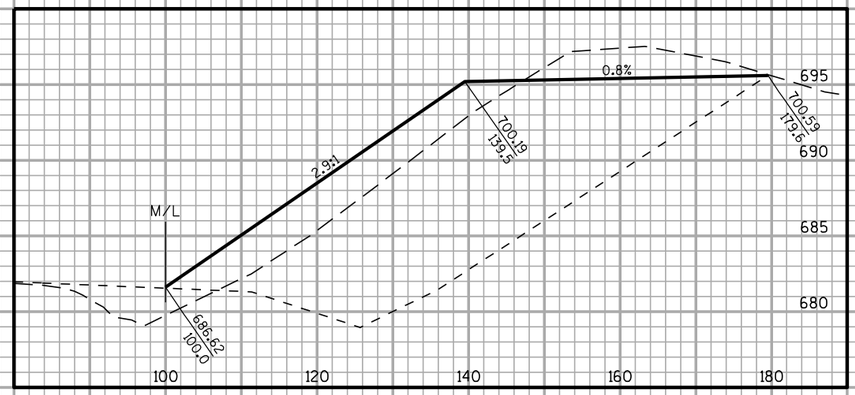
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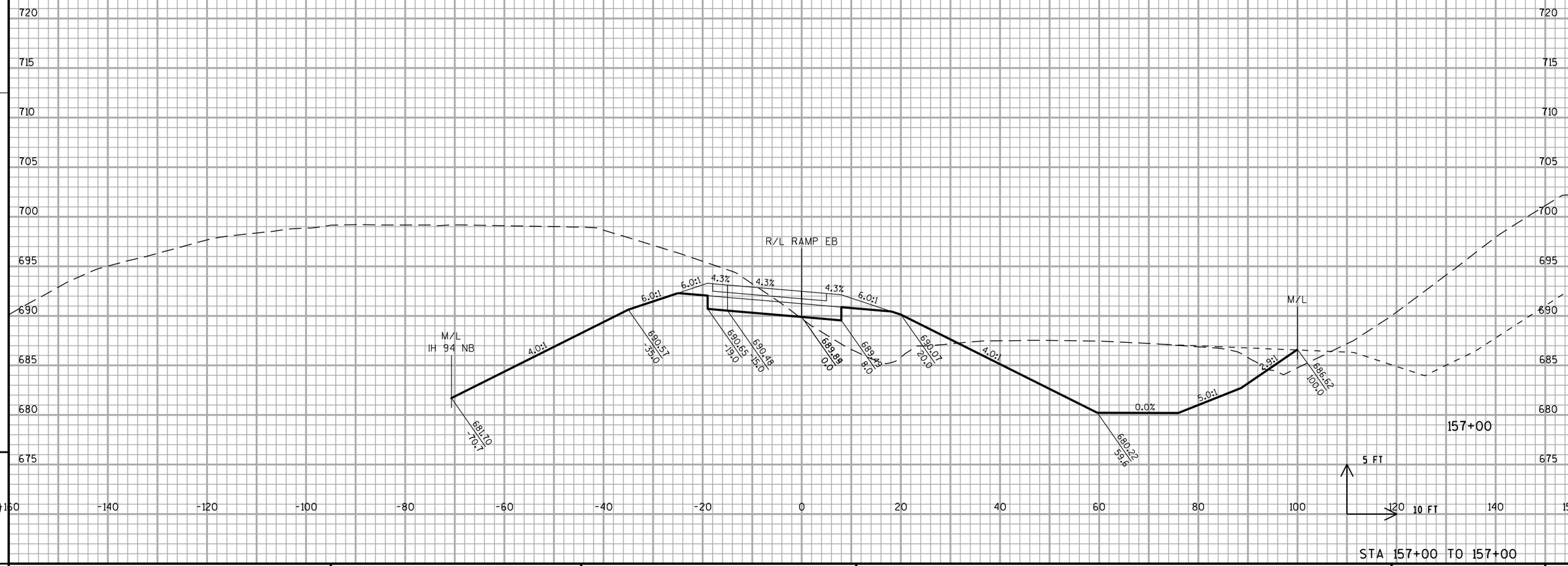
9

STA 156+50 TO 156+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EB	SHEET	E

ALL WORK STAGE 4

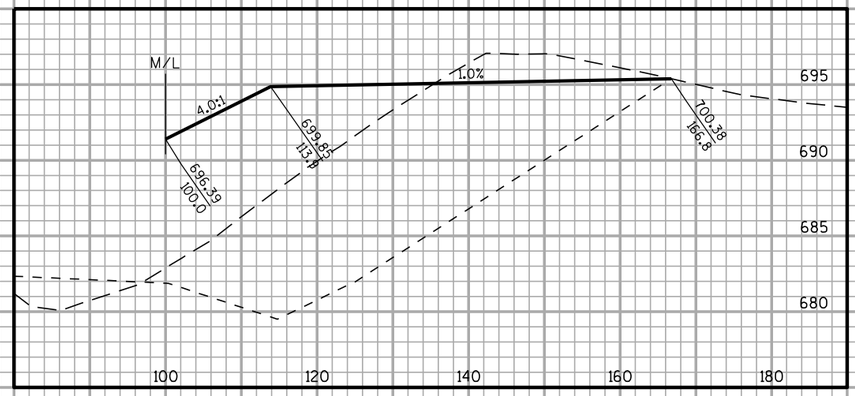


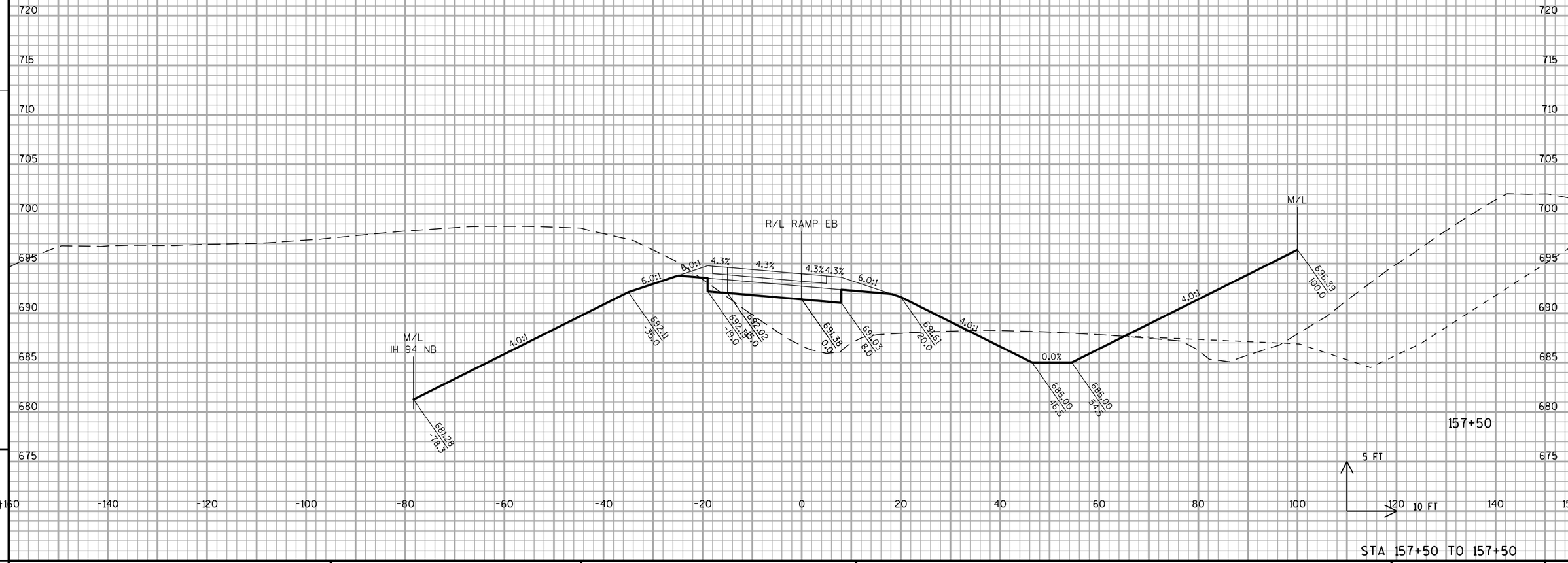


PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EB	SHEET	E

STA 157+00 TO 157+00

ALL WORK STAGE 4





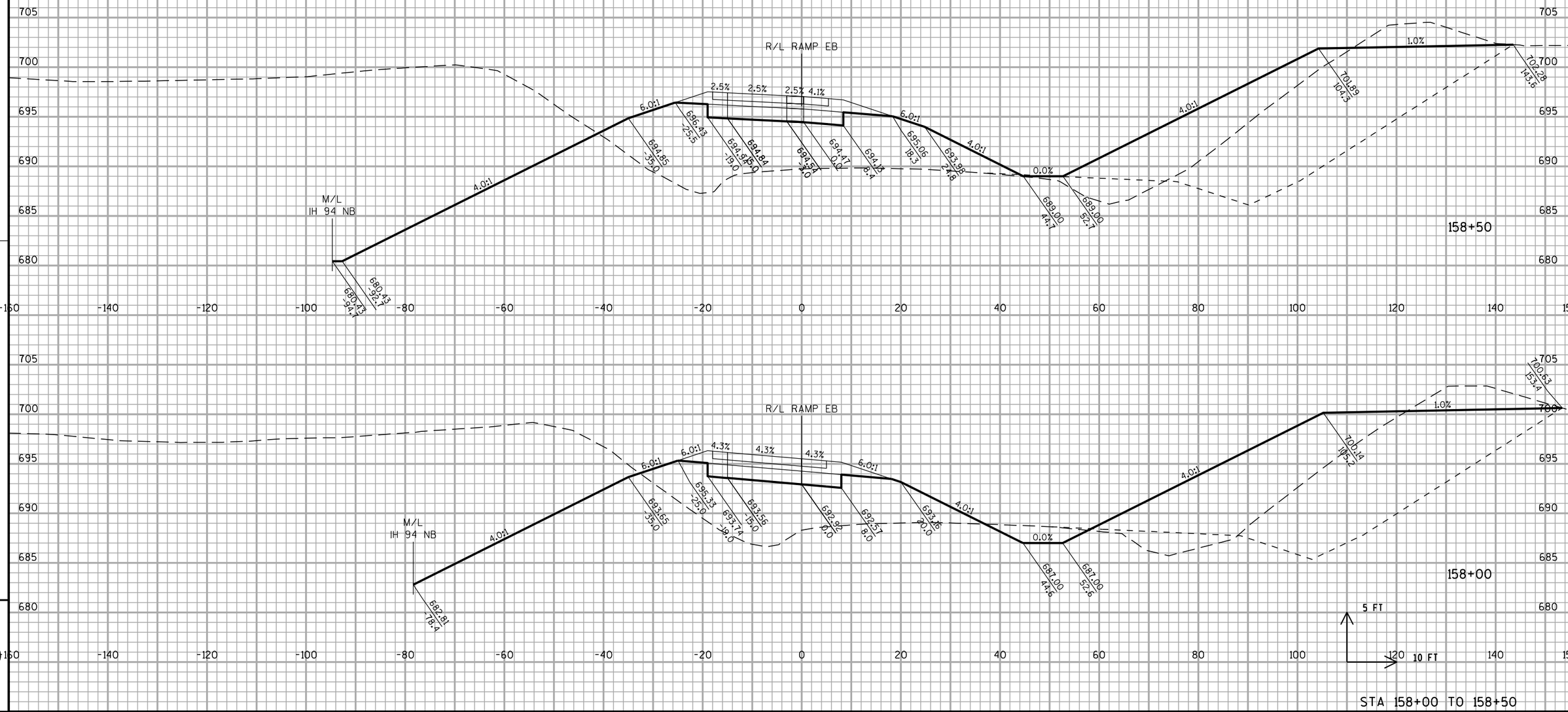
9 9

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EB	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090402_xs_rampeb.dgn PLOT DATE : 11-JUL-2018 22:16 PLOT BY : MSCD1S PLOT NAME : 090402_xs_rampeb8 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 4

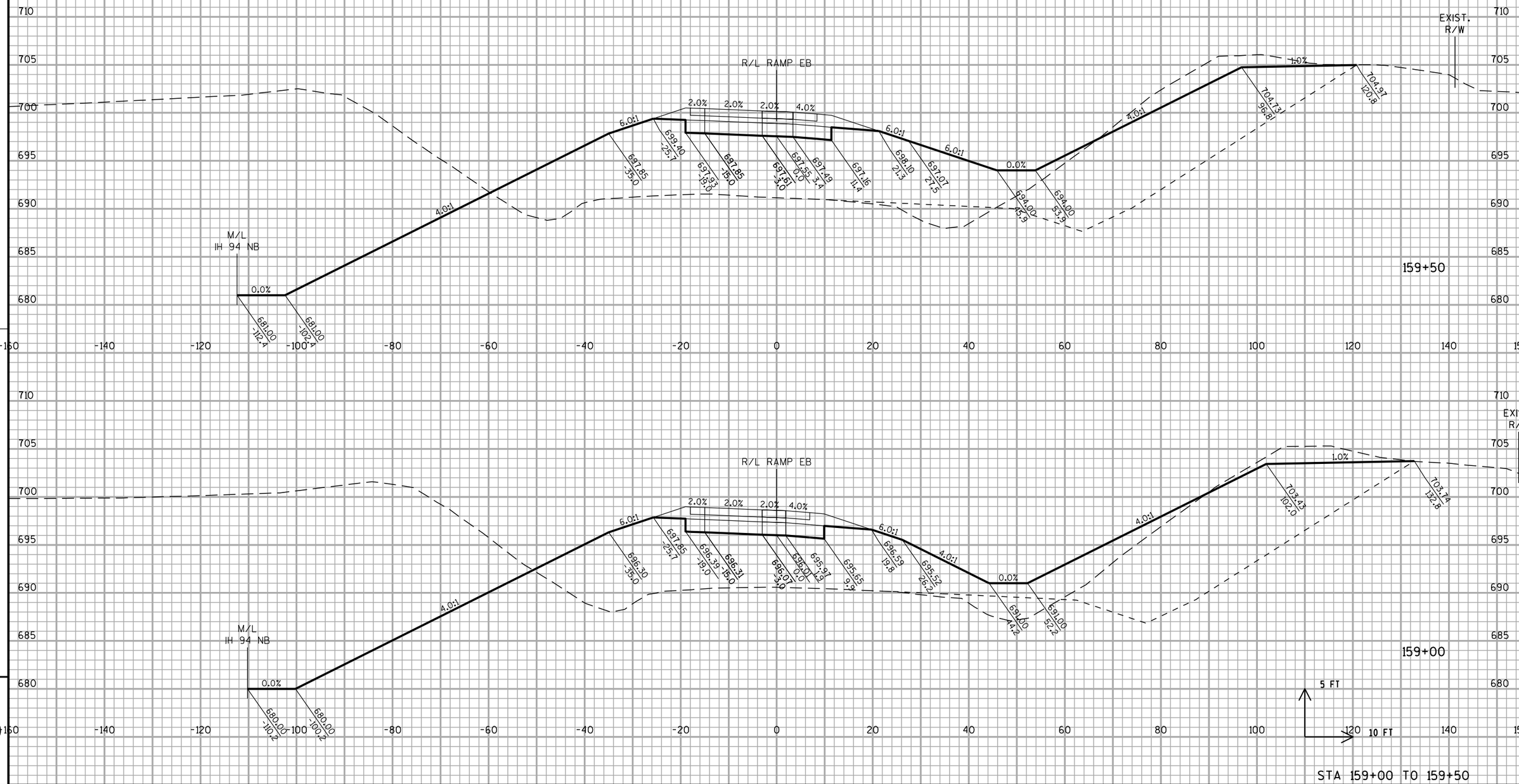


PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EB	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090402_xs_rampeb.dgn PLOT DATE : 11-JUL-2018 22:16 PLOT BY : MSCD1S PLOT NAME : 090402_xs_rampeb9 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 4



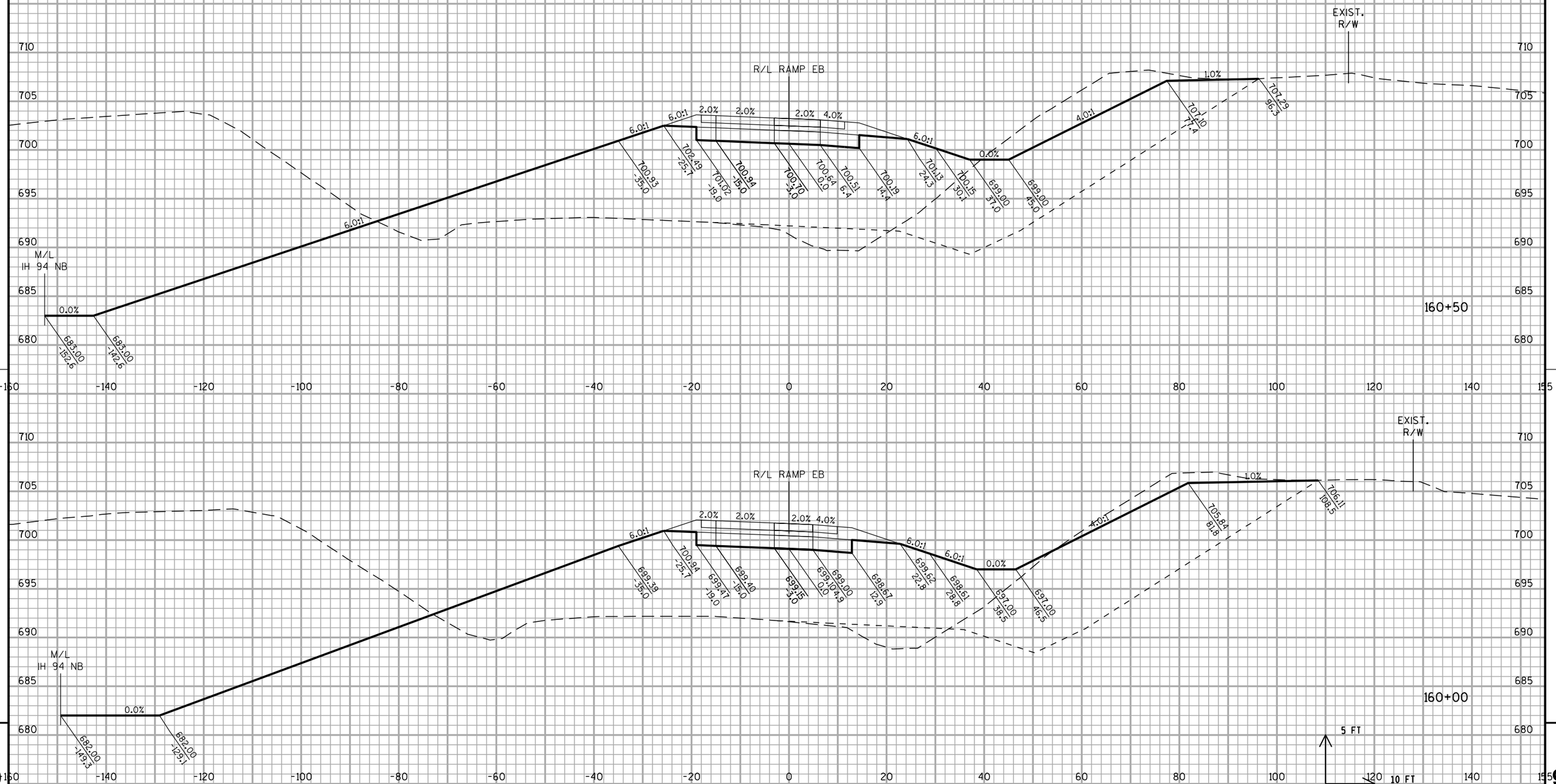
STA 159+00 TO 159+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EB	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090402_xs_rampeb.dgn PLOT DATE : 11-JUL-2018 22:16 PLOT BY : MSCD1S PLOT NAME : 090402_xs_rampeb1OPLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 4



STA 160+00 TO 160+50

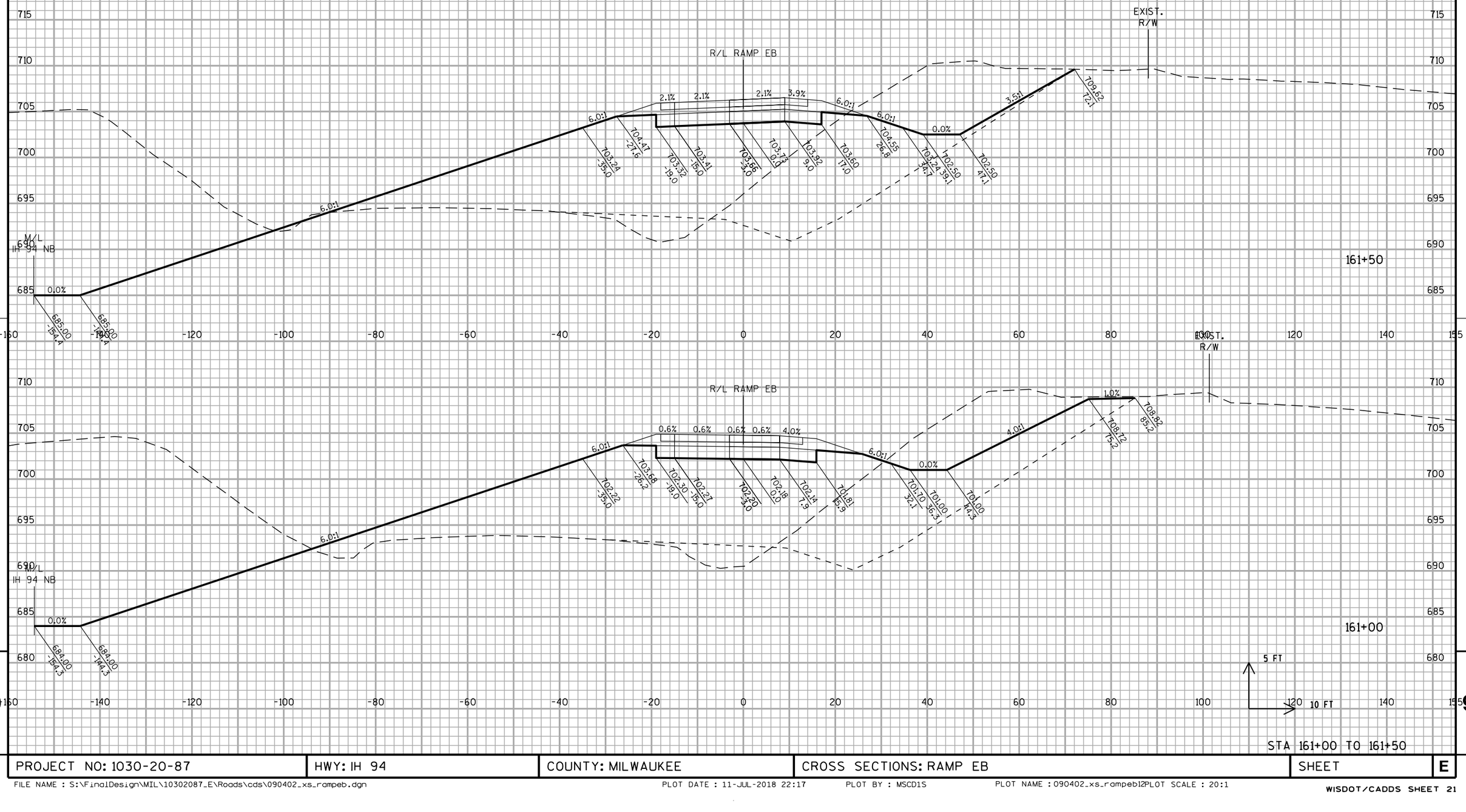
PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EB	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090402_xs_rampeb.dgn PLOT DATE : 11-JUL-2018 22:16 PLOT BY : MSCD1S PLOT NAME : 090402_xs_rampeb11PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

9

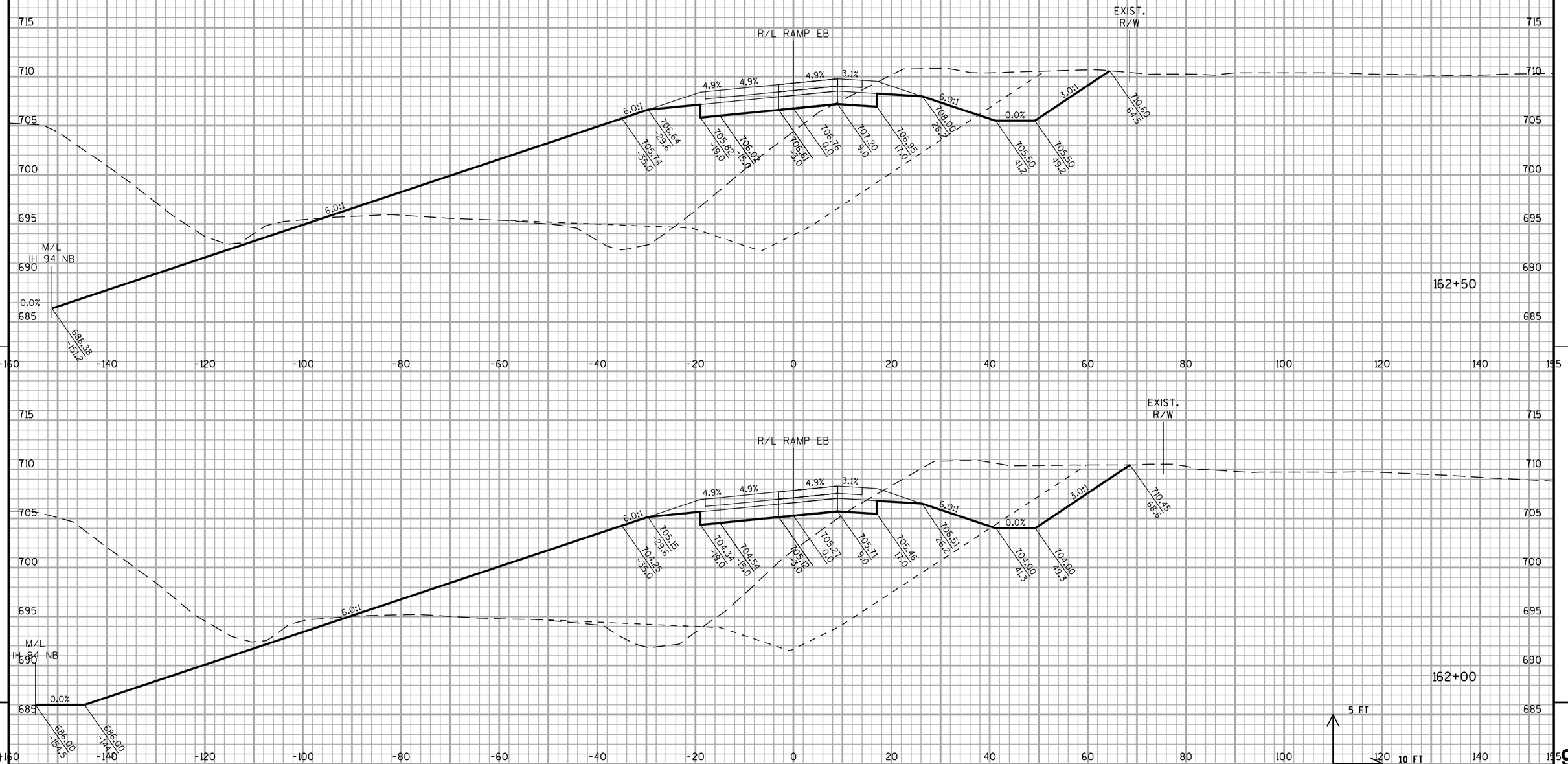
ALL WORK STAGE 4



PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EB	SHEET	E

STA 161+00 TO 161+50

ALL WORK STAGE 4

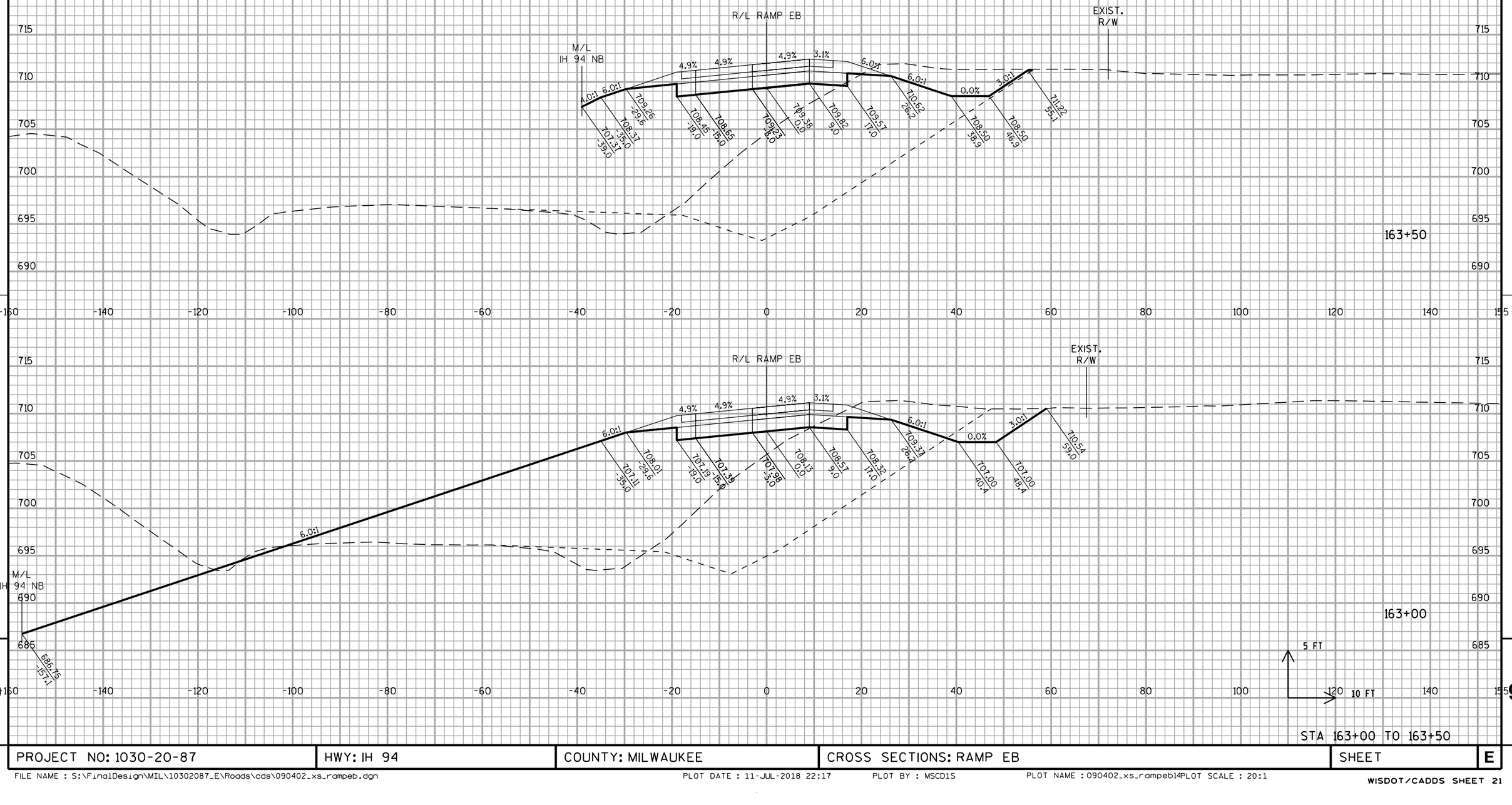


STA 162+00 TO 162+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EB	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090402_xs_rampeb.dgn PLOT DATE : 11-JUL-2018 22:17 PLOT BY : MSCD1S PLOT NAME : 090402_xs_rampeb13PLOT SCALE : 20:1

ALL WORK STAGE 4

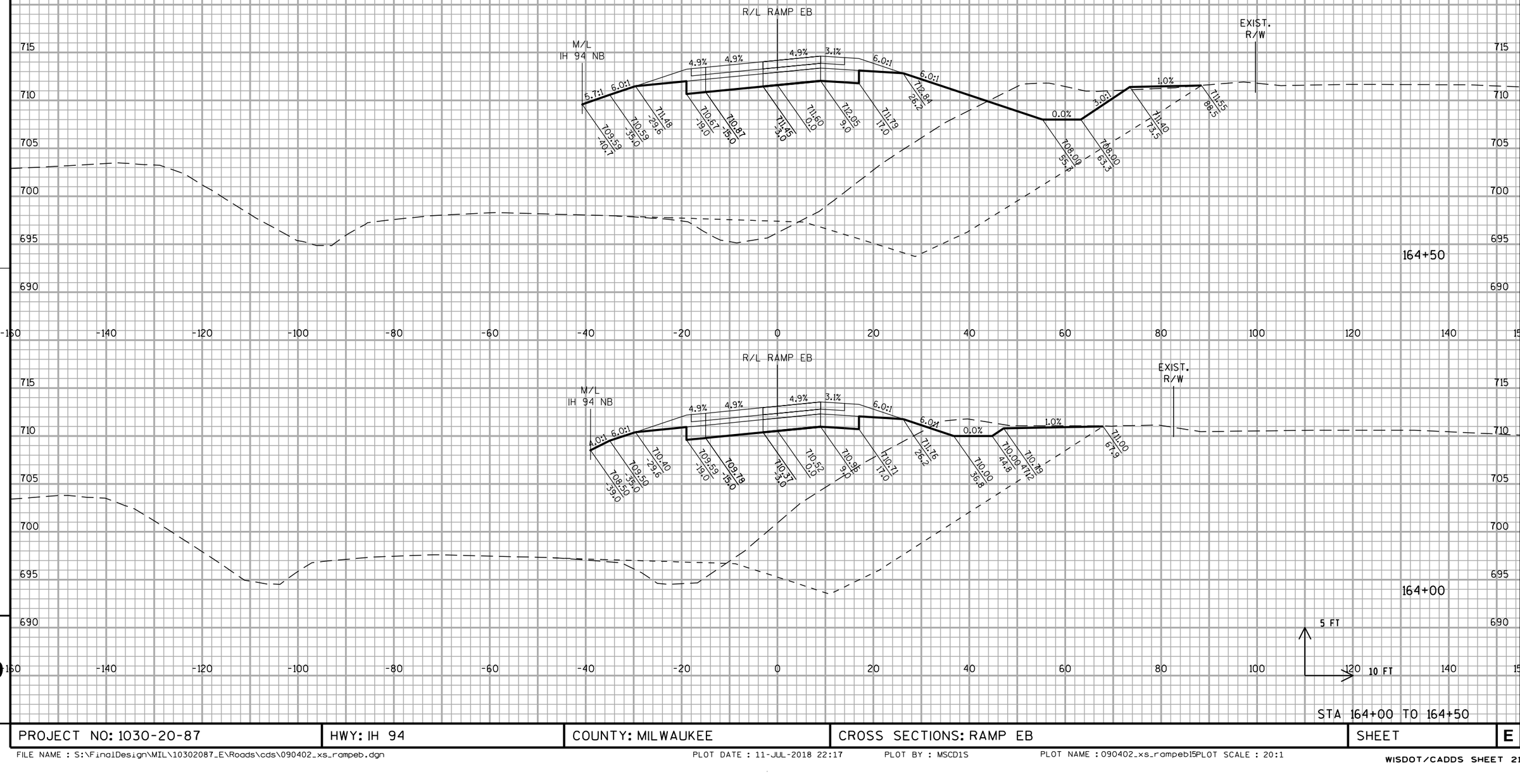


STA 163+00 TO 163+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EB	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090402_xs_rampeb.dgn PLOT DATE : 11-JUL-2018 22:17 PLOT BY : MSCD1S PLOT NAME : 090402_xs_rampeb14PLOT SCALE : 20:1

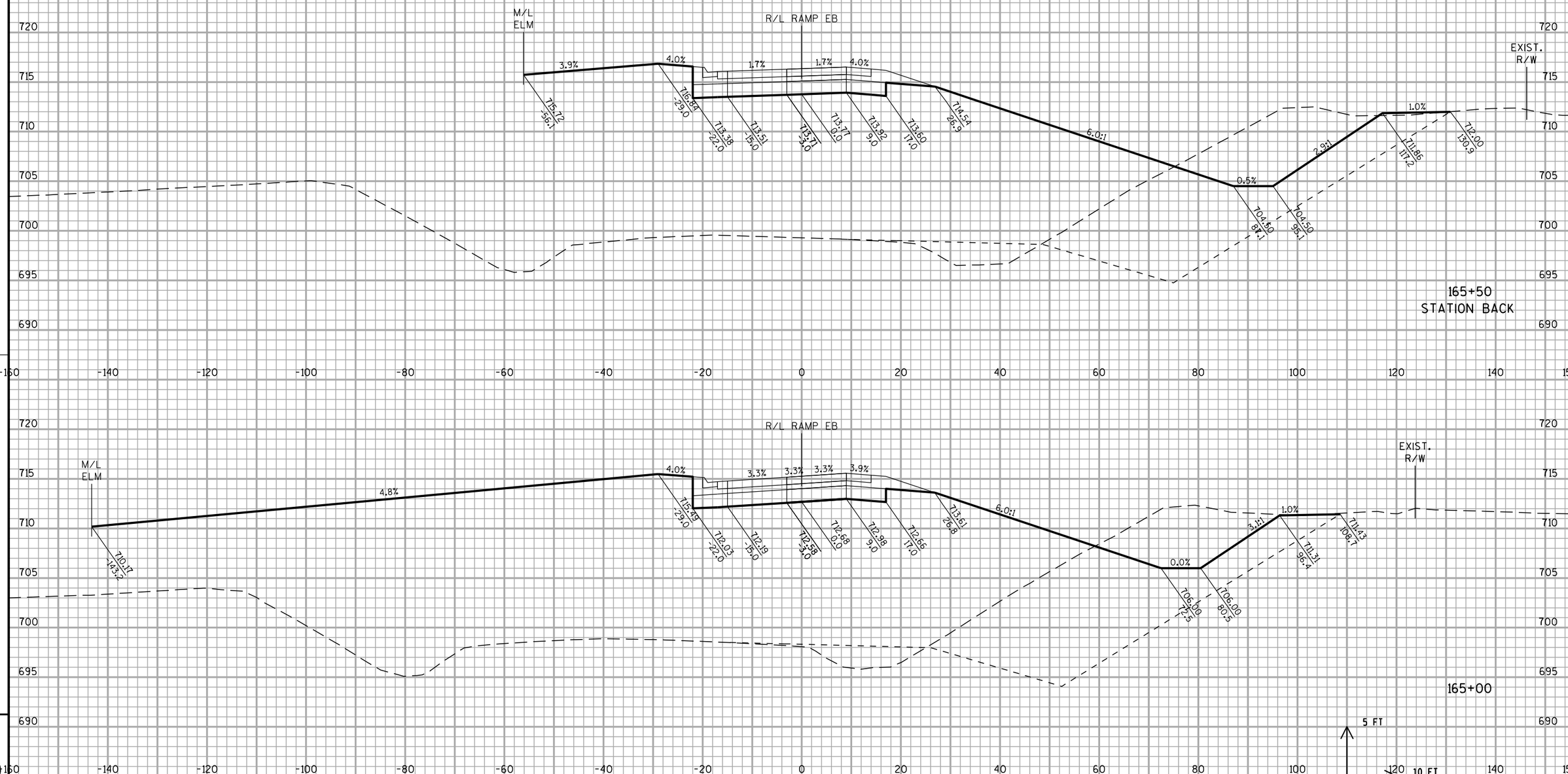
ALL WORK STAGE 4



STA 164+00 TO 164+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EB	SHEET	E

ALL WORK STAGE 4

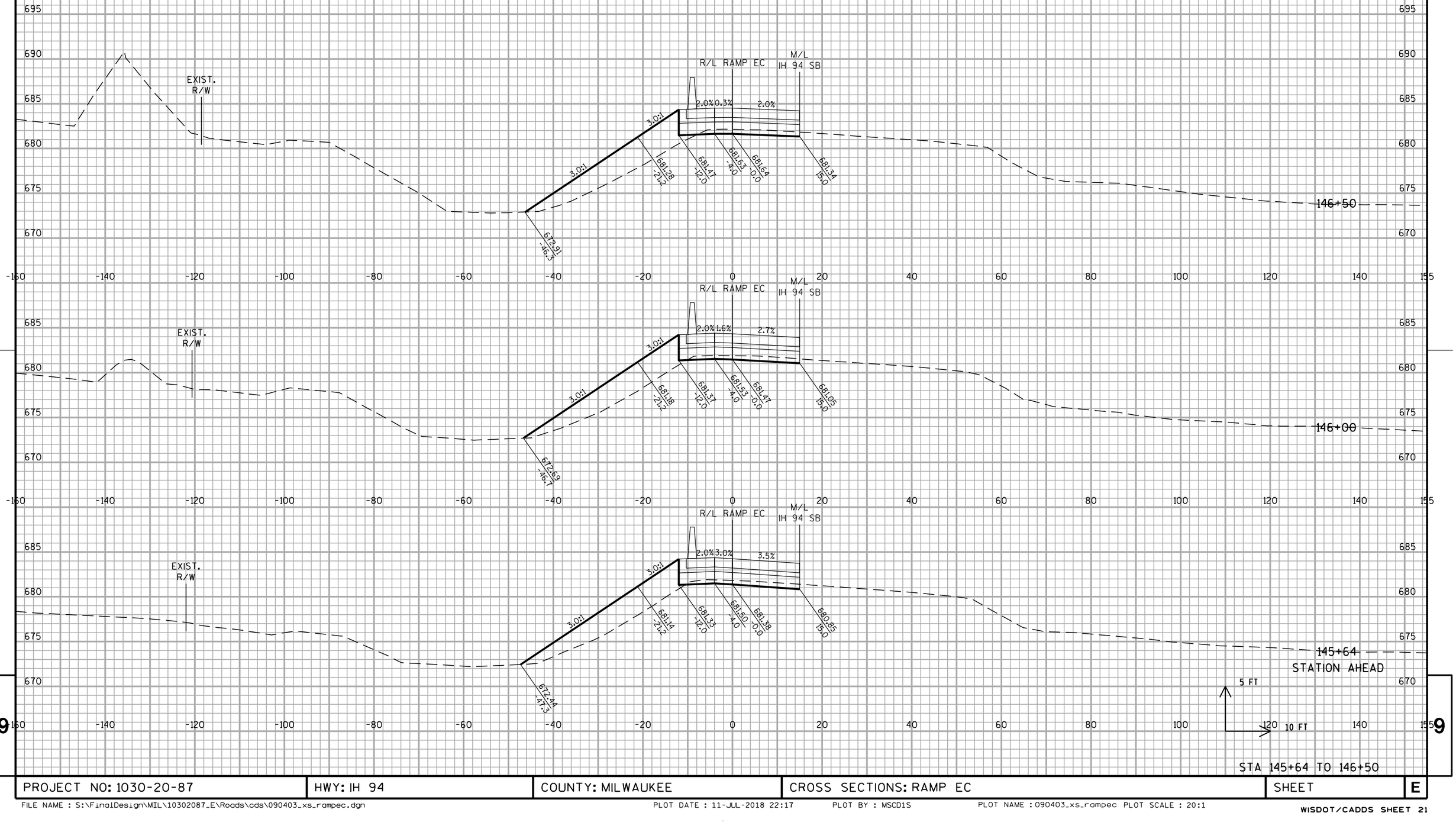


PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EB	SHEET	E

FILE NAME : S:\Final Design\MIL\10302087_E\Roads\cds\090402_xs_rampeb.dgn PLOT DATE : 11-JUL-2018 22:17 PLOT BY : MSCD1S PLOT NAME : 090402_xs_rampeb16PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

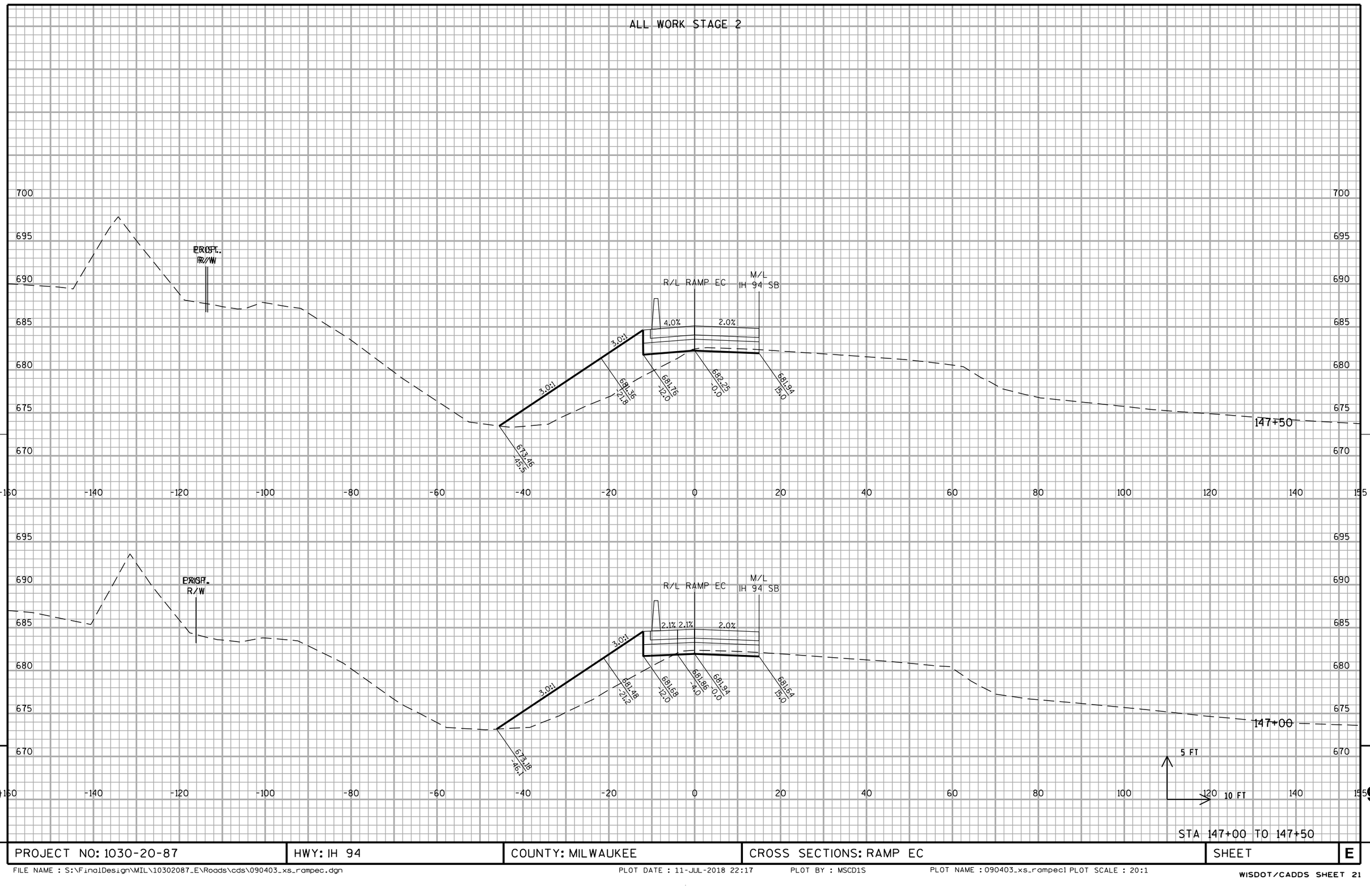
ALL WORK STAGE 2



STA 145+64 TO 146+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EC	SHEET	E

ALL WORK STAGE 2



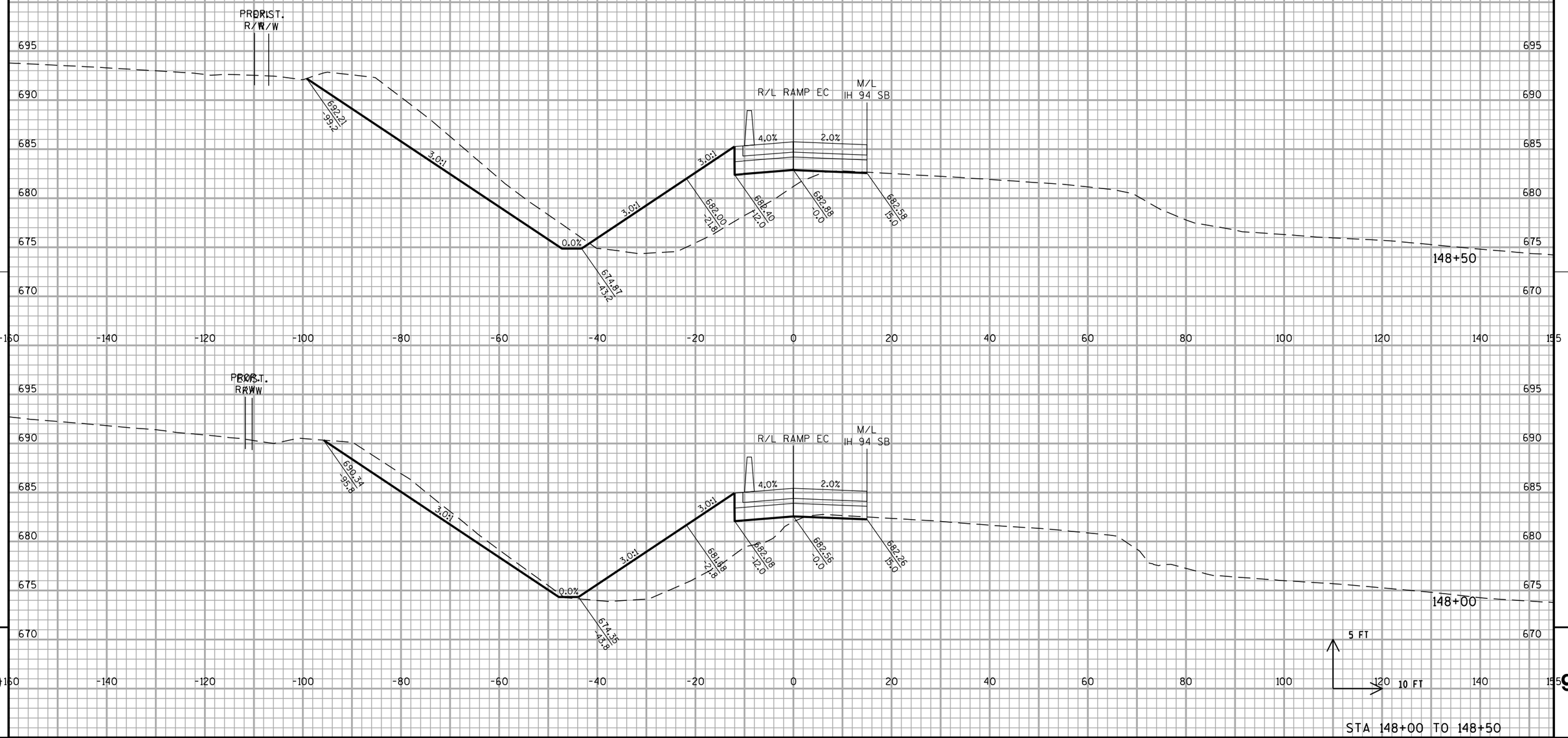
STA 147+00 TO 147+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EC	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090403_xs_rampec.dgn PLOT DATE : 11-JUL-2018 22:17 PLOT BY : MSCD1S PLOT NAME : 090403_xs_rampec1 PLOT SCALE : 20:1

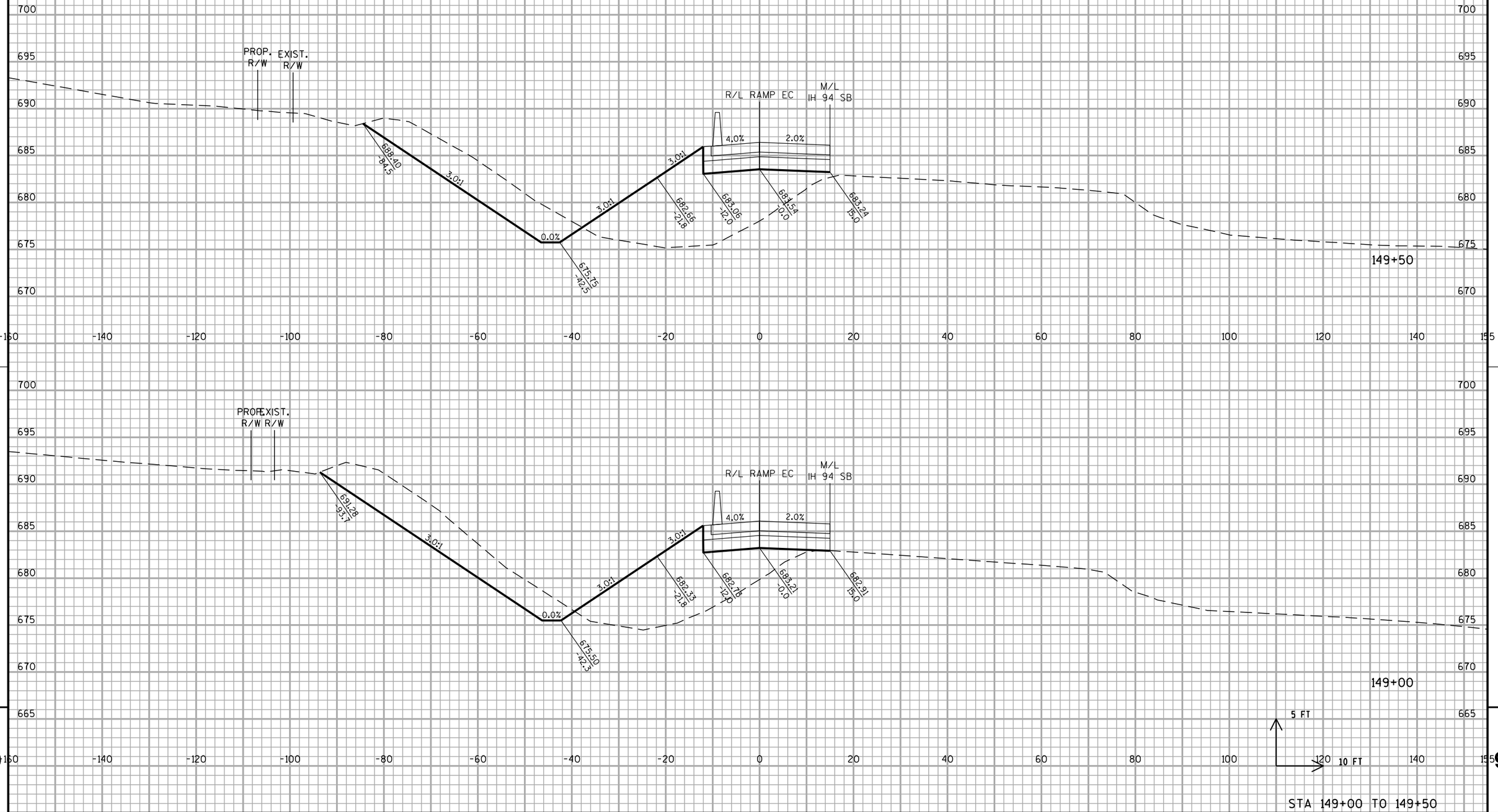
WISDOT/CADDS SHEET 21

ALL WORK STAGE 2



PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EC	SHEET	E

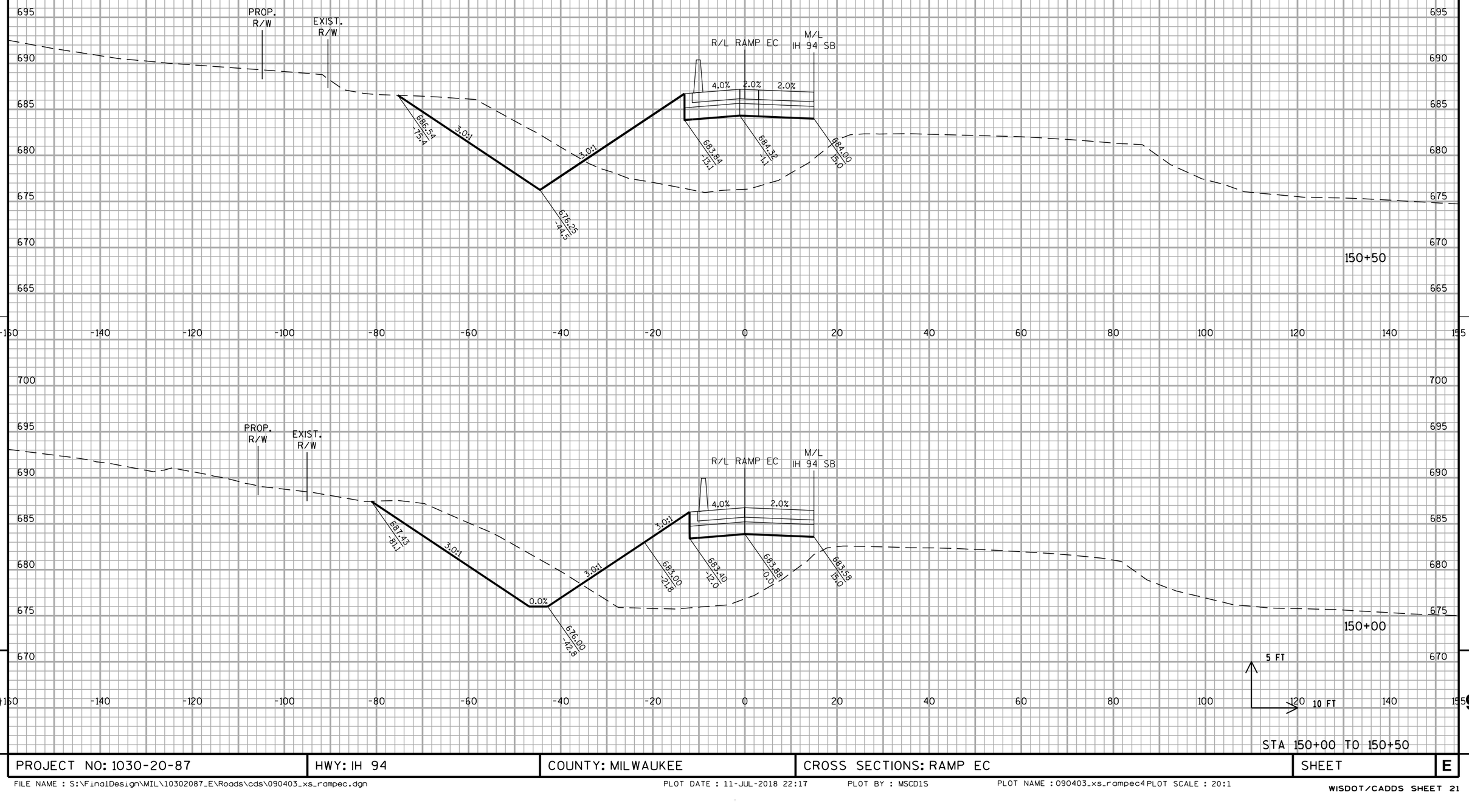
ALL WORK STAGE 2



STA 149+00 TO 149+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EC	SHEET	E

ALL WORK STAGE 2

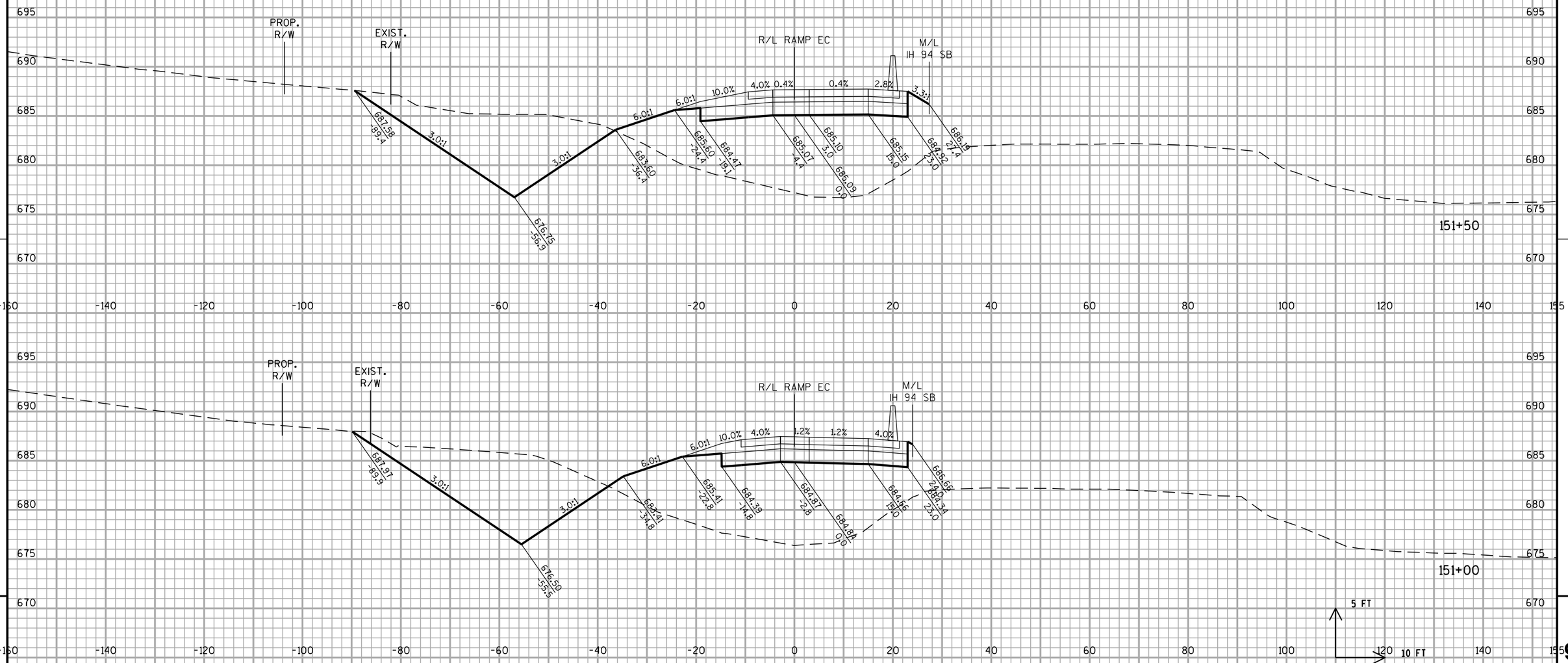


STA 150+00 TO 150+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EC	SHEET	E

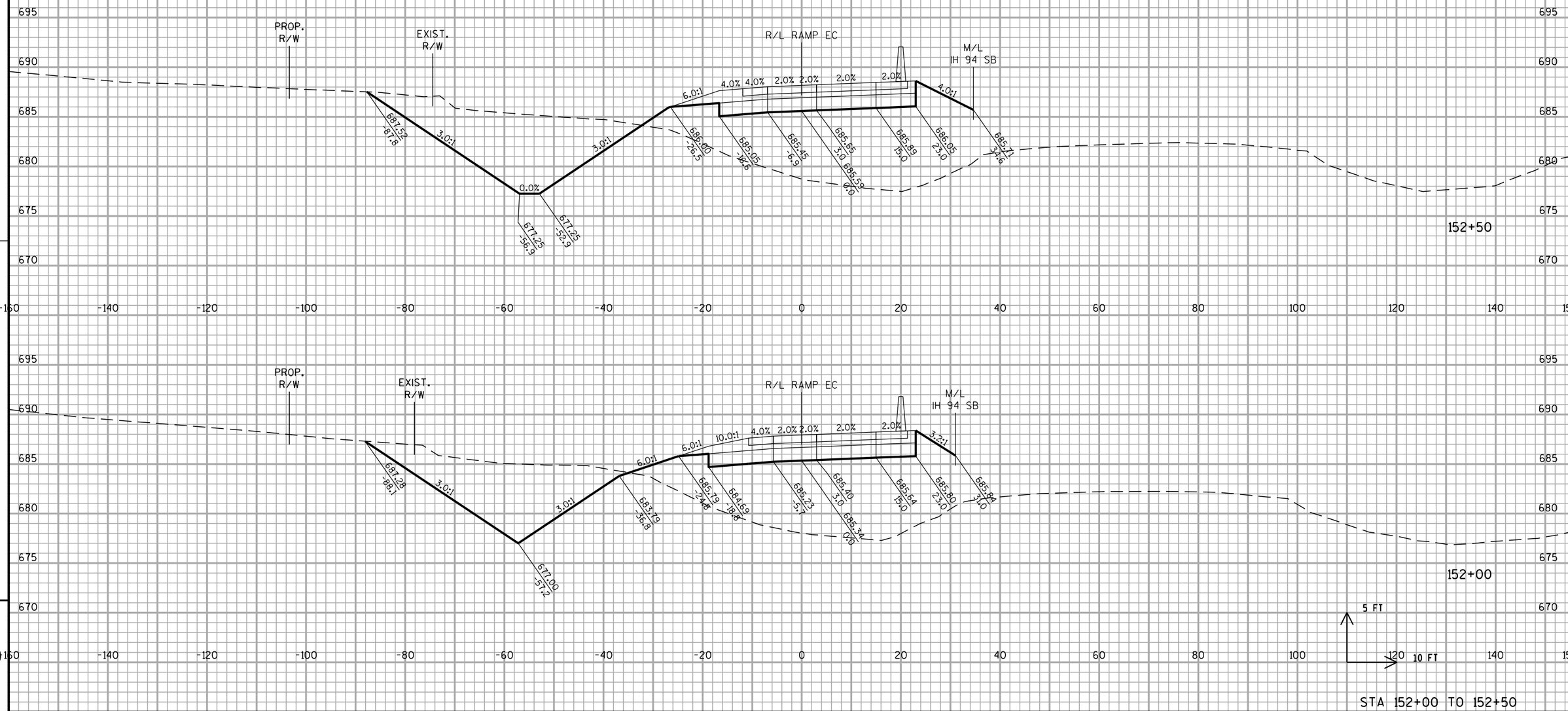
FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090403_xs_rampec.dgn PLOT DATE : 11-JUL-2018 22:17 PLOT BY : MSCD1S PLOT NAME : 090403_xs_rampec4 PLOT SCALE : 20:1

ALL WORK STAGE 2



PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EC	SHEET	E

ALL WORK STAGE 2

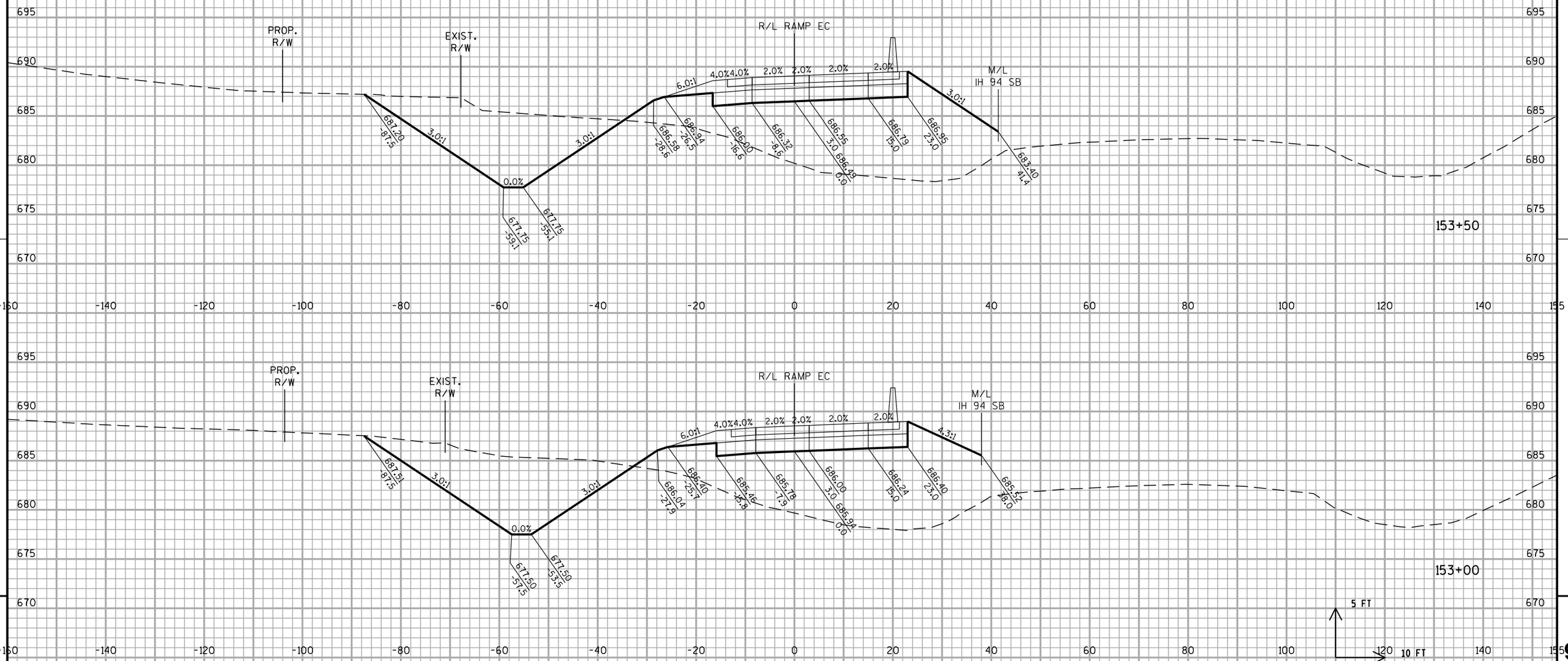


STA 152+00 TO 152+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EC	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090403_xs_rampec.dgn PLOT DATE : 11-JUL-2018 22:17 PLOT BY : MSCD1S PLOT NAME : 090403_xs_rampec6 PLOT SCALE : 20:1

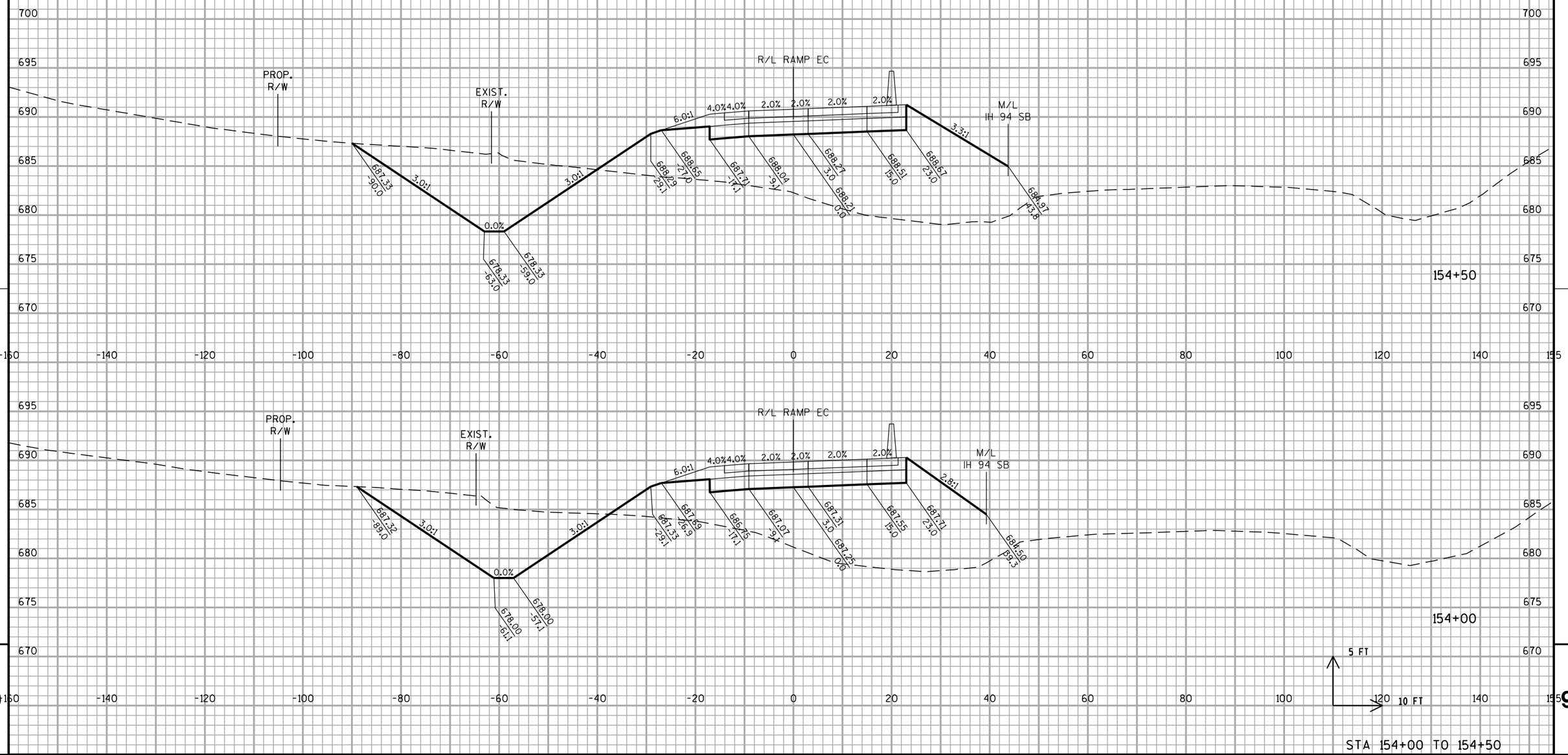
ALL WORK STAGE 2



STA 153+00 TO 153+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EC	SHEET	E

ALL WORK STAGE 2



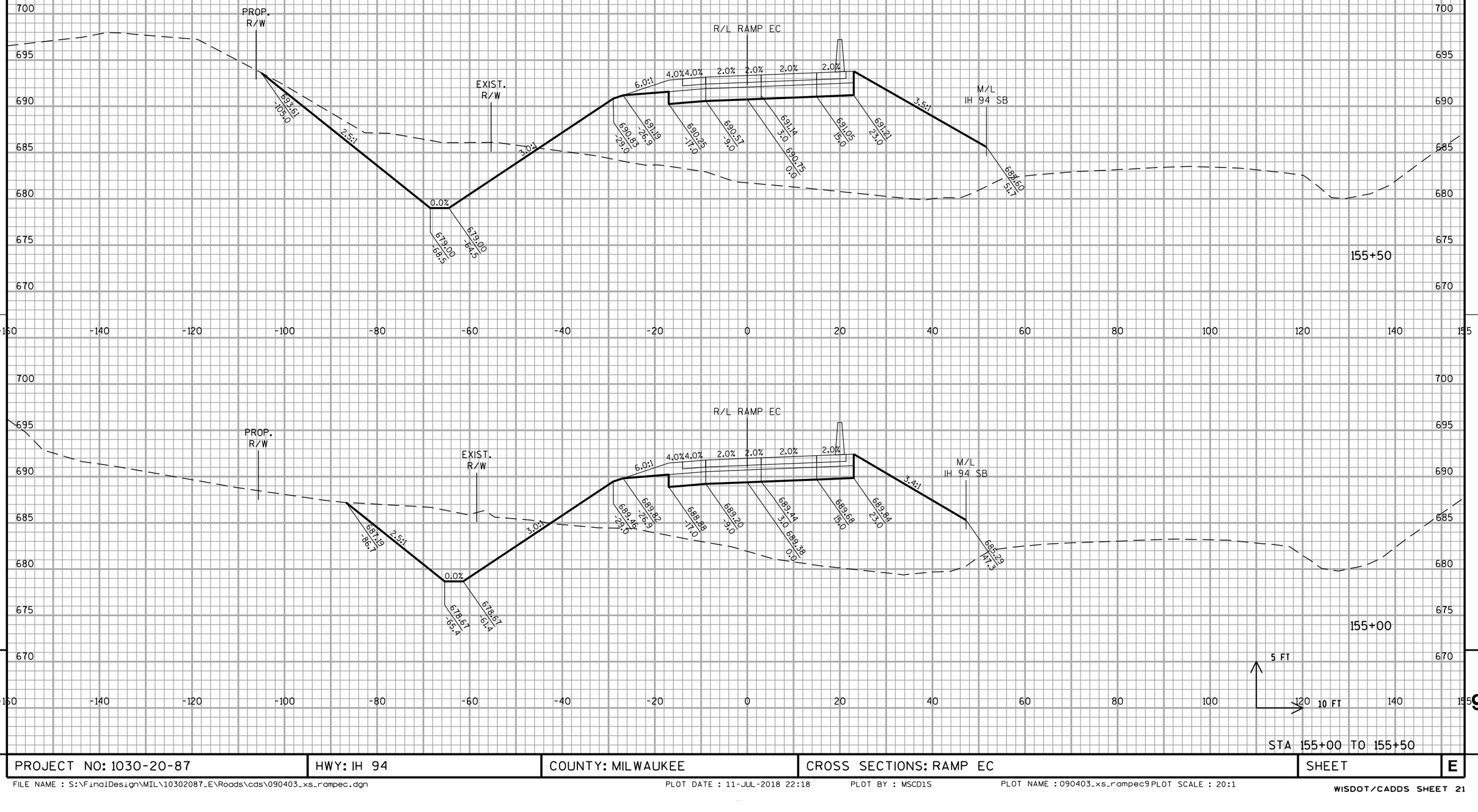
STA 154+00 TO 154+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EC	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090403_xs_rampec.dgn PLOT DATE : 11-JUL-2018 22:18 PLOT BY : MSCD1S PLOT NAME : 090403_xs_rampec8 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

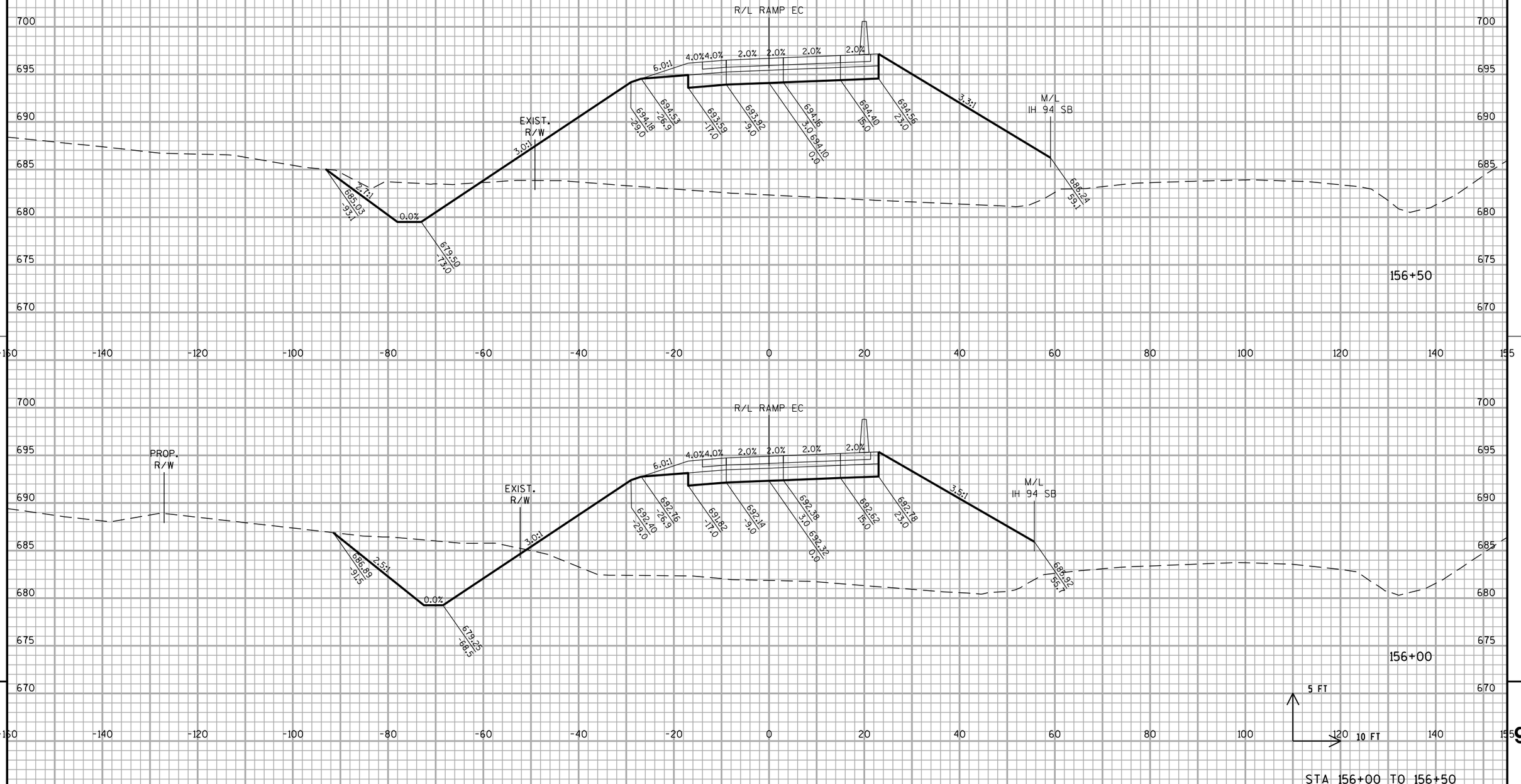
ALL WORK STAGE 2



STA 155+00 TO 155+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EC	SHEET	E

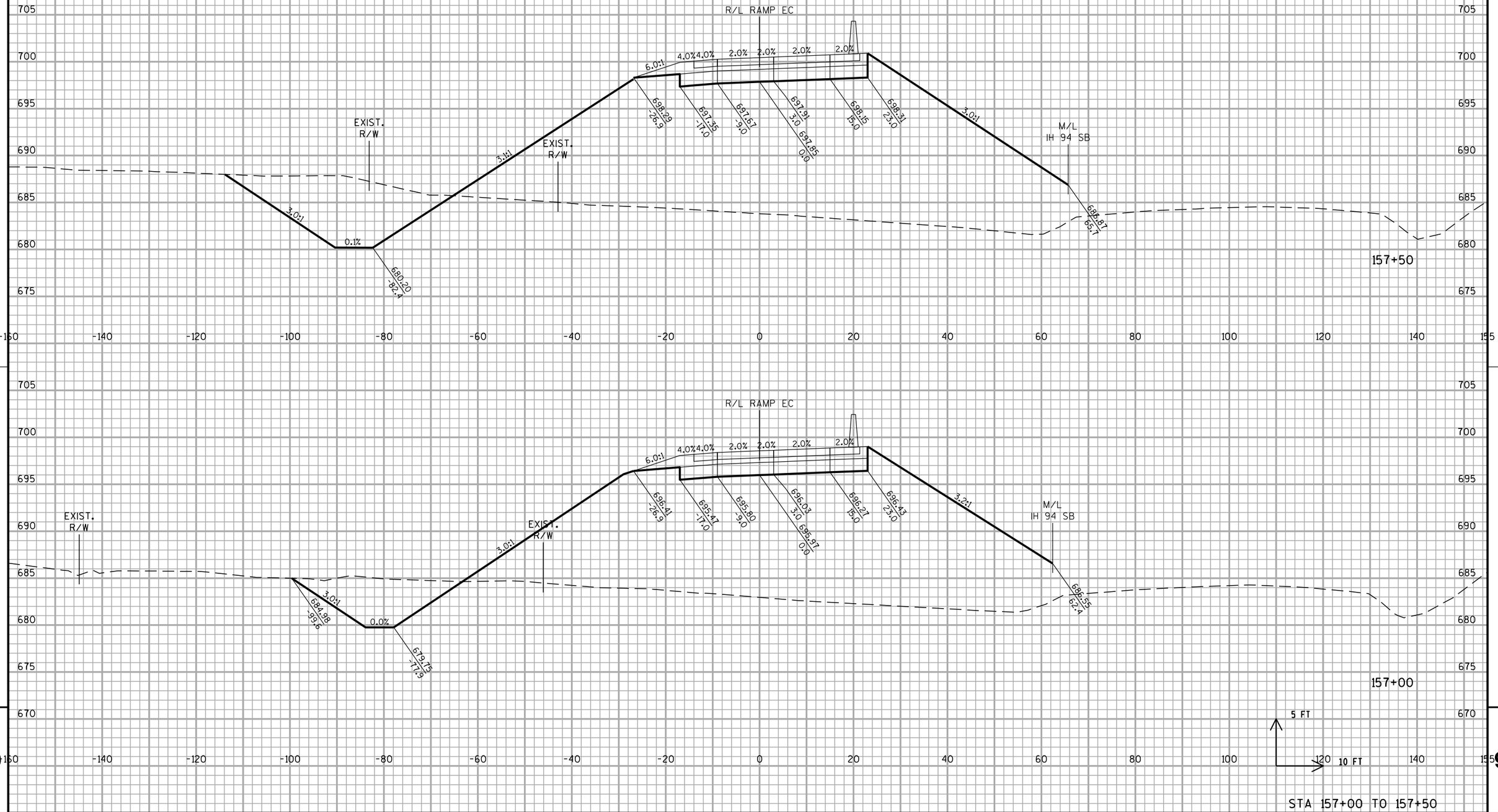
ALL WORK STAGE 2



PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EC	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090403_xs_rampec.dgn PLOT DATE : 11-JUL-2018 22:18 PLOT BY : MSCD1S PLOT NAME : 090403_xs_rampec1 PLOT SCALE : 20:1

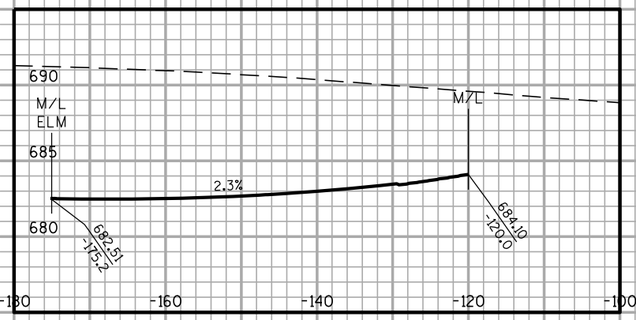
ALL WORK STAGE 2

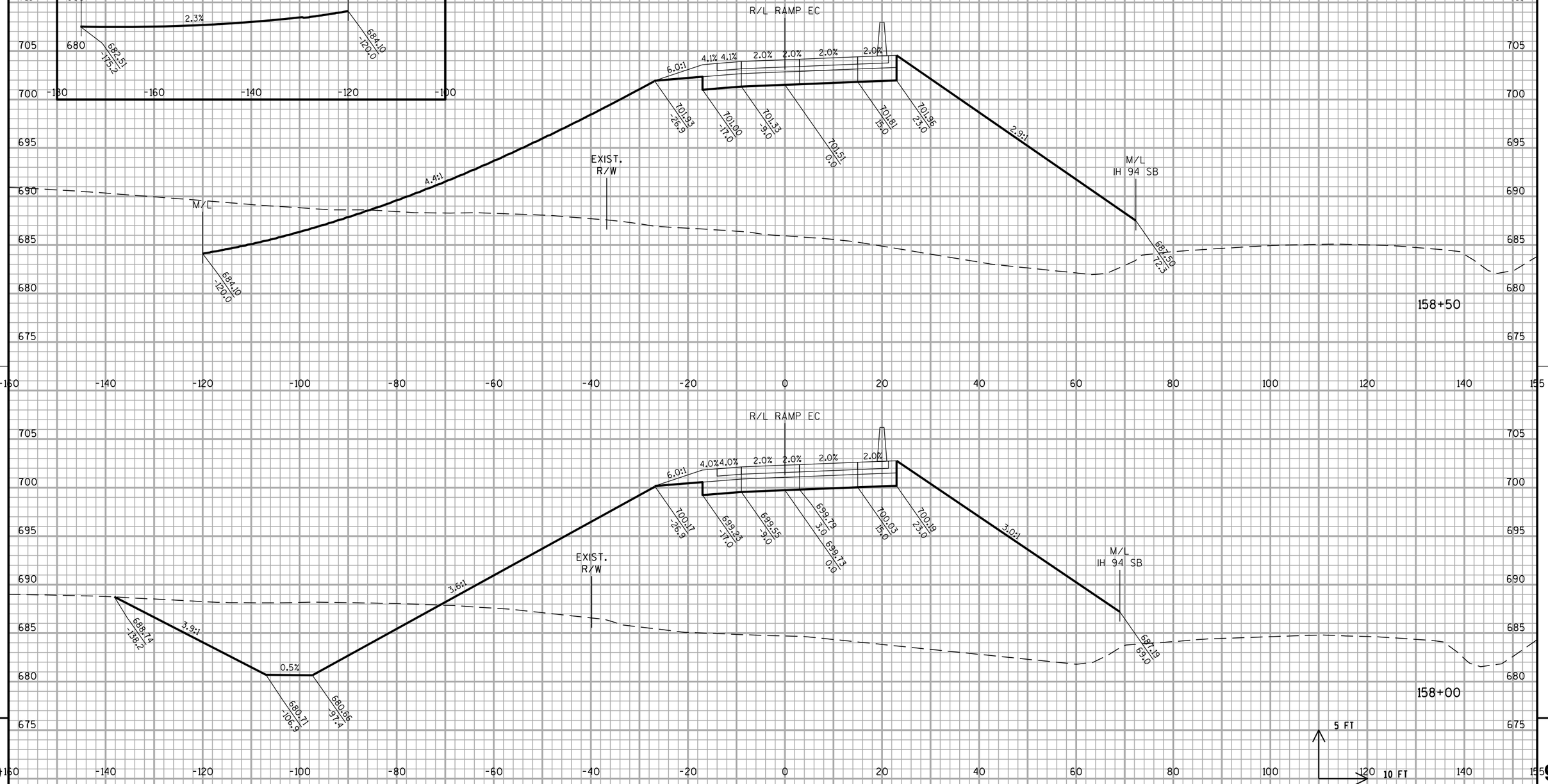


PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EC	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090403_xs_rampec.dgn PLOT DATE : 11-JUL-2018 22:18 PLOT BY : MSCD1S PLOT NAME : 090403_xs_rampec1 PLOT SCALE : 20:1

ALL WORK STAGE 2



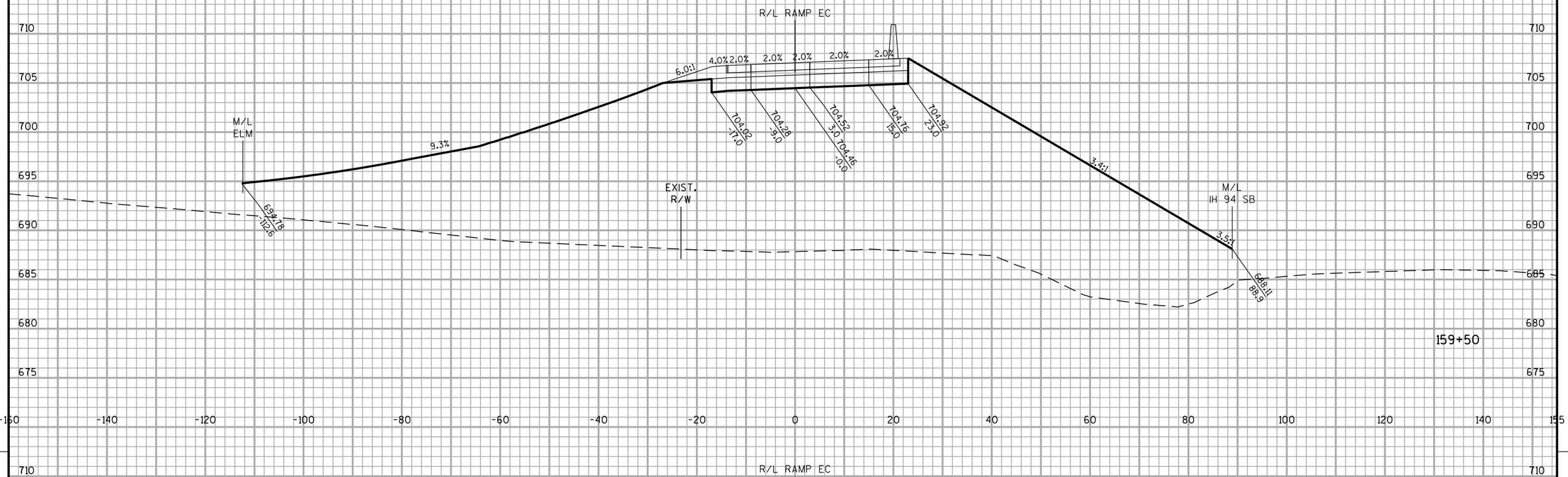


STA 158+00 TO 158+50

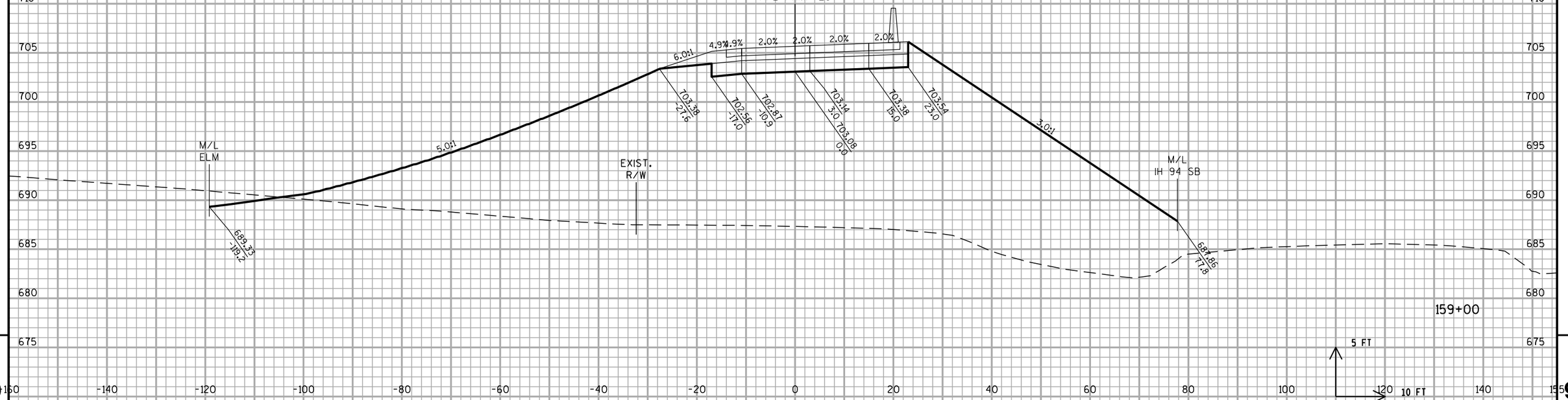
PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EC	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090403_xs_rampec.dgn PLOT DATE : 11-JUL-2018 22:18 PLOT BY : MSCD1S PLOT NAME : 090403_xs_rampec12PLOT SCALE : 20:1

ALL WORK STAGE 2



159+50



159+00

STA 159+00 TO 159+50

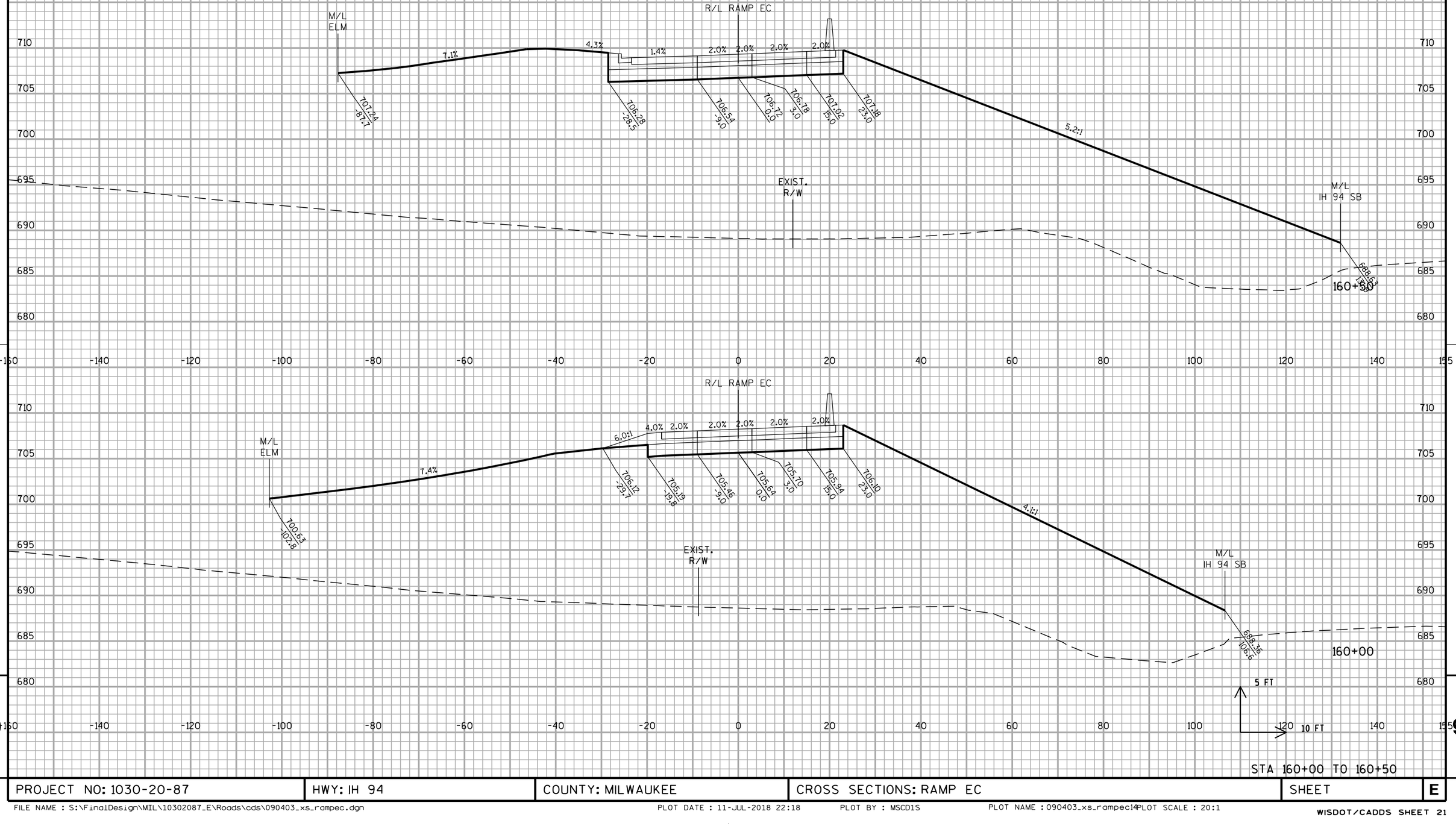
PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EC	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090403_xs_rampec.dgn PLOT DATE : 11-JUL-2018 22:18 PLOT BY : MSCD1S PLOT NAME : 090403_xs_rampec13PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

9

ALL WORK STAGE 1



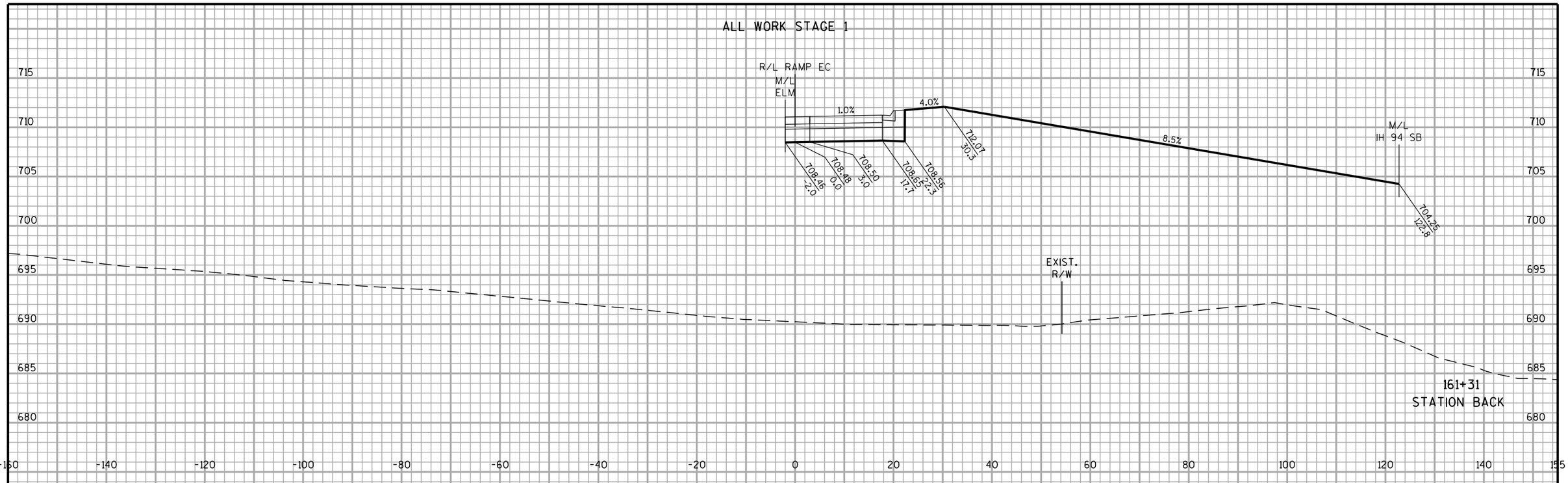
STA 160+00 TO 160+50

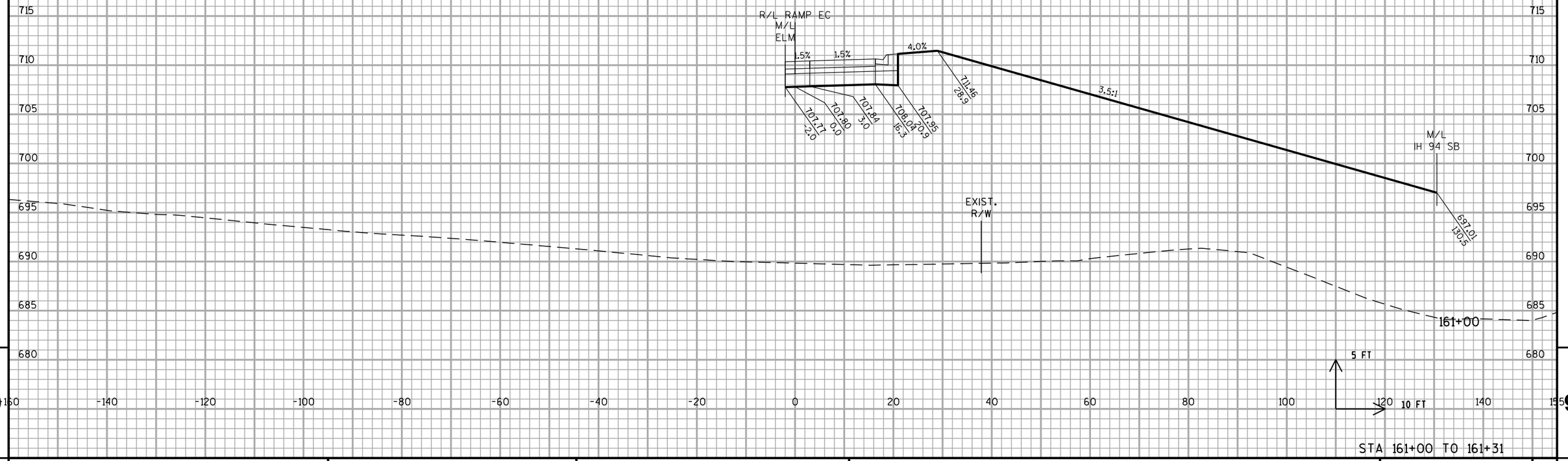
PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EC	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090403_xs_rampec.dgn PLOT DATE : 11-JUL-2018 22:18 PLOT BY : MSCD1S PLOT NAME : 090403_xs_rampec14PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1



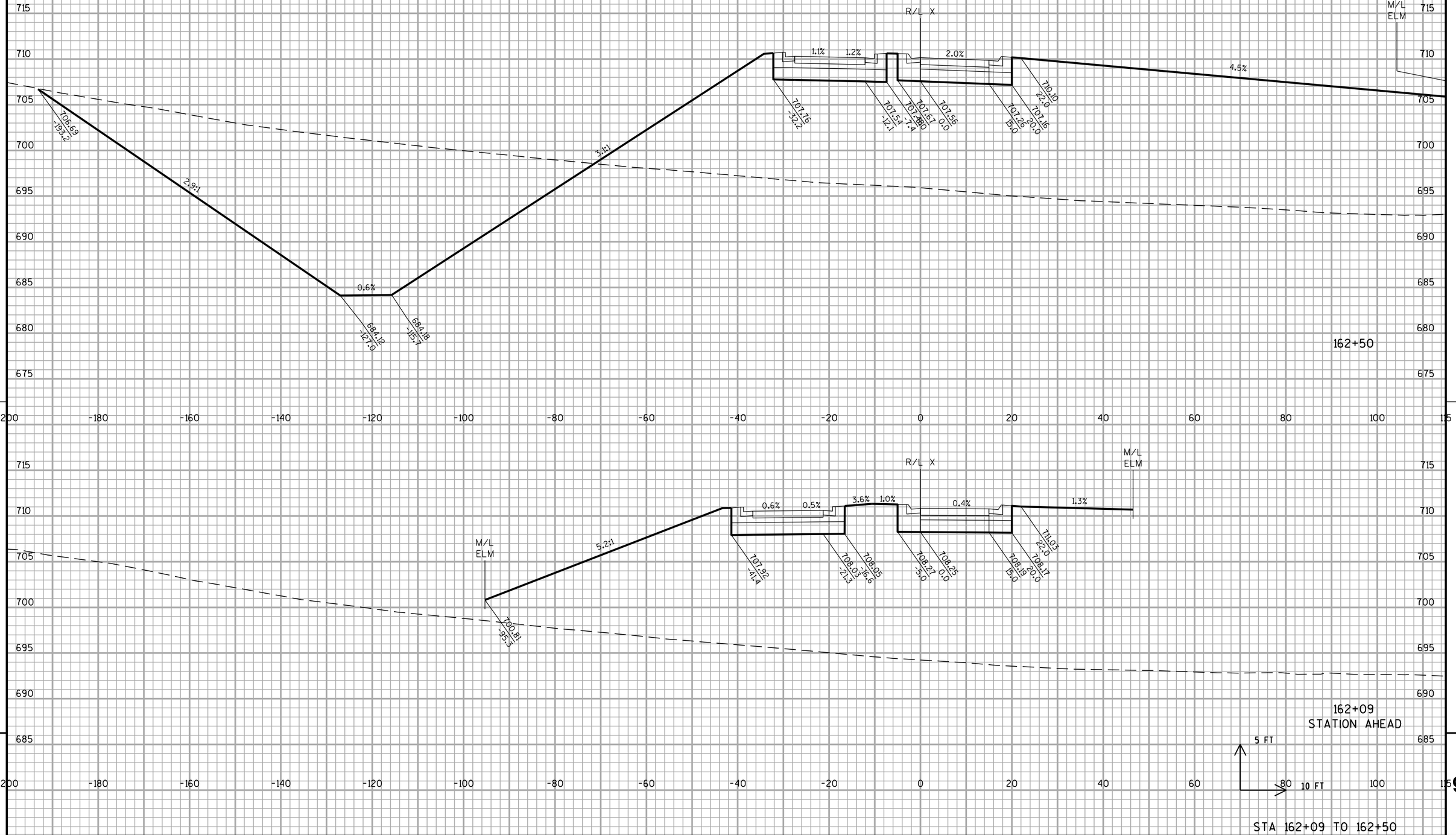


STA 161+00 TO 161+31

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EC	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090403_xs_rampec.dgn PLOT DATE : 11-JUL-2018 22:18 PLOT BY : MSCD1S PLOT NAME : 090403_xs_rampec15PLOT SCALE : 20:1

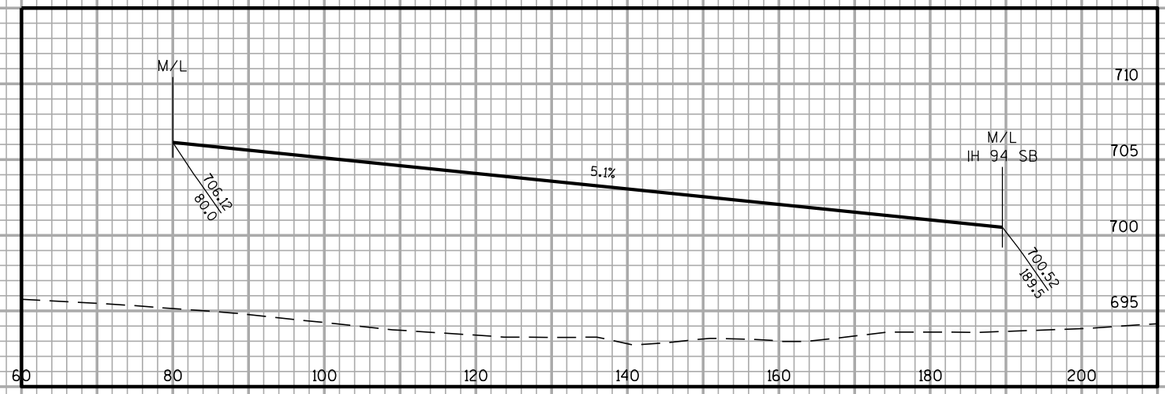
ALL WORK STAGE 1

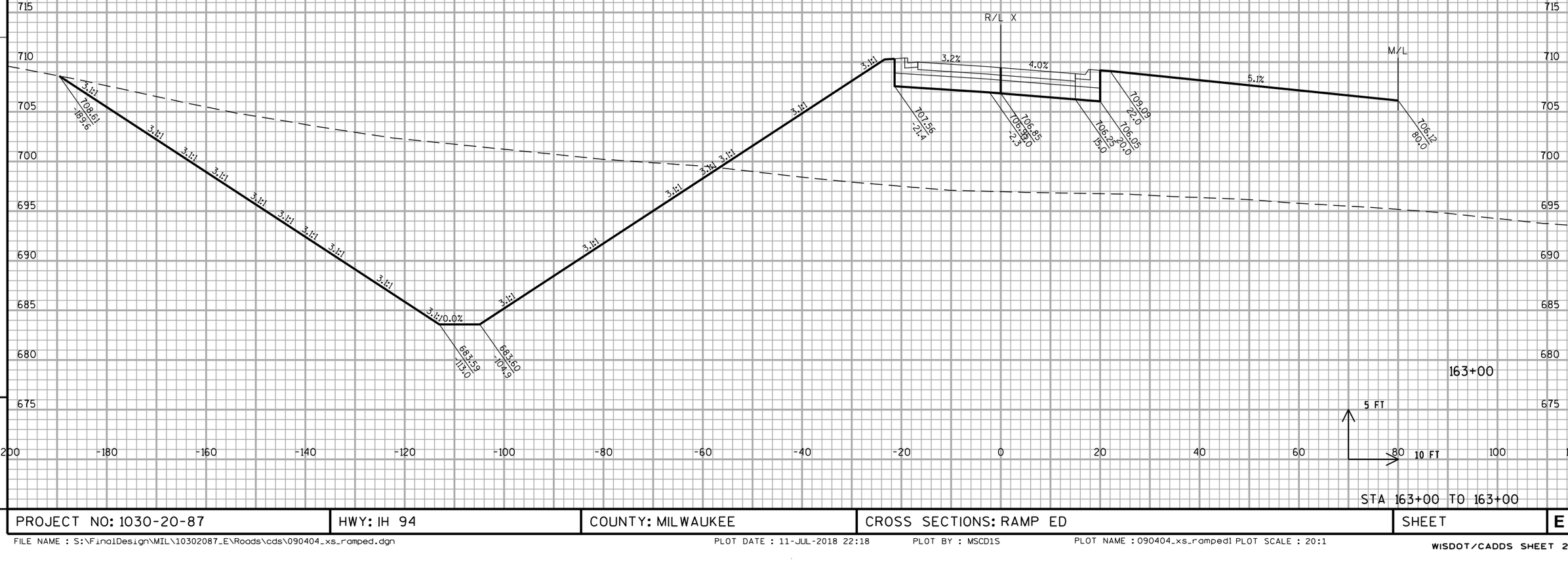


PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP ED	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090404_xs_ramped.dgn PLOT DATE : 11-JUL-2018 22:18 PLOT BY : MSCD1S PLOT NAME : 090404_xs_ramped PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

ALL WORK STAGE 1

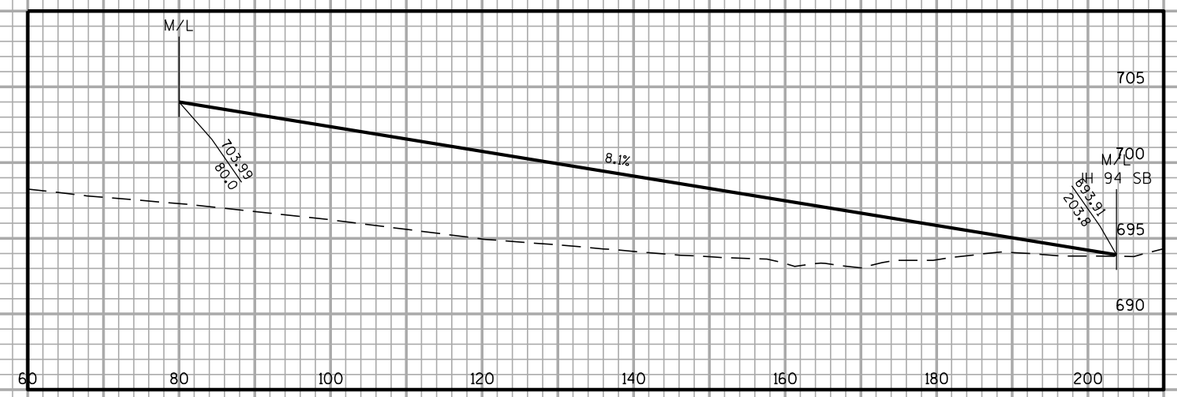




STA 163+00 TO 163+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP ED	SHEET	E

ALL WORK STAGE 1



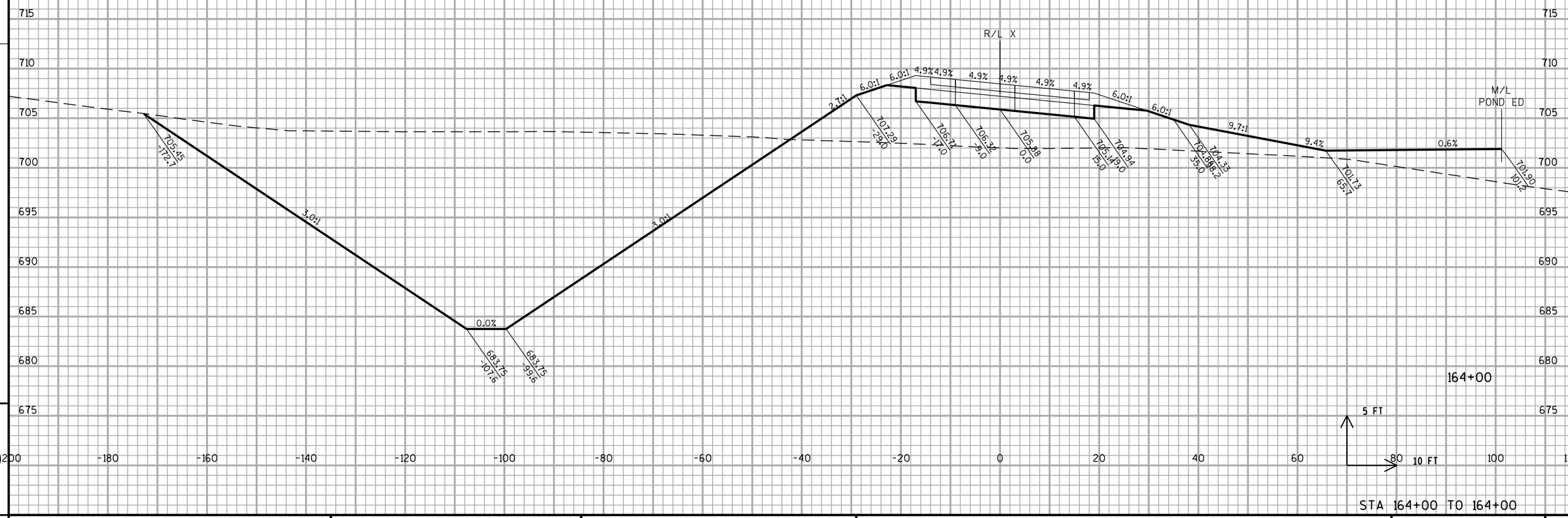
STA 163+50 TO 163+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP ED	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090404_xs_ramped.dgn PLOT DATE : 11-JUL-2018 22:18 PLOT BY : MSCD1S PLOT NAME : 090404_xs_ramped2 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1

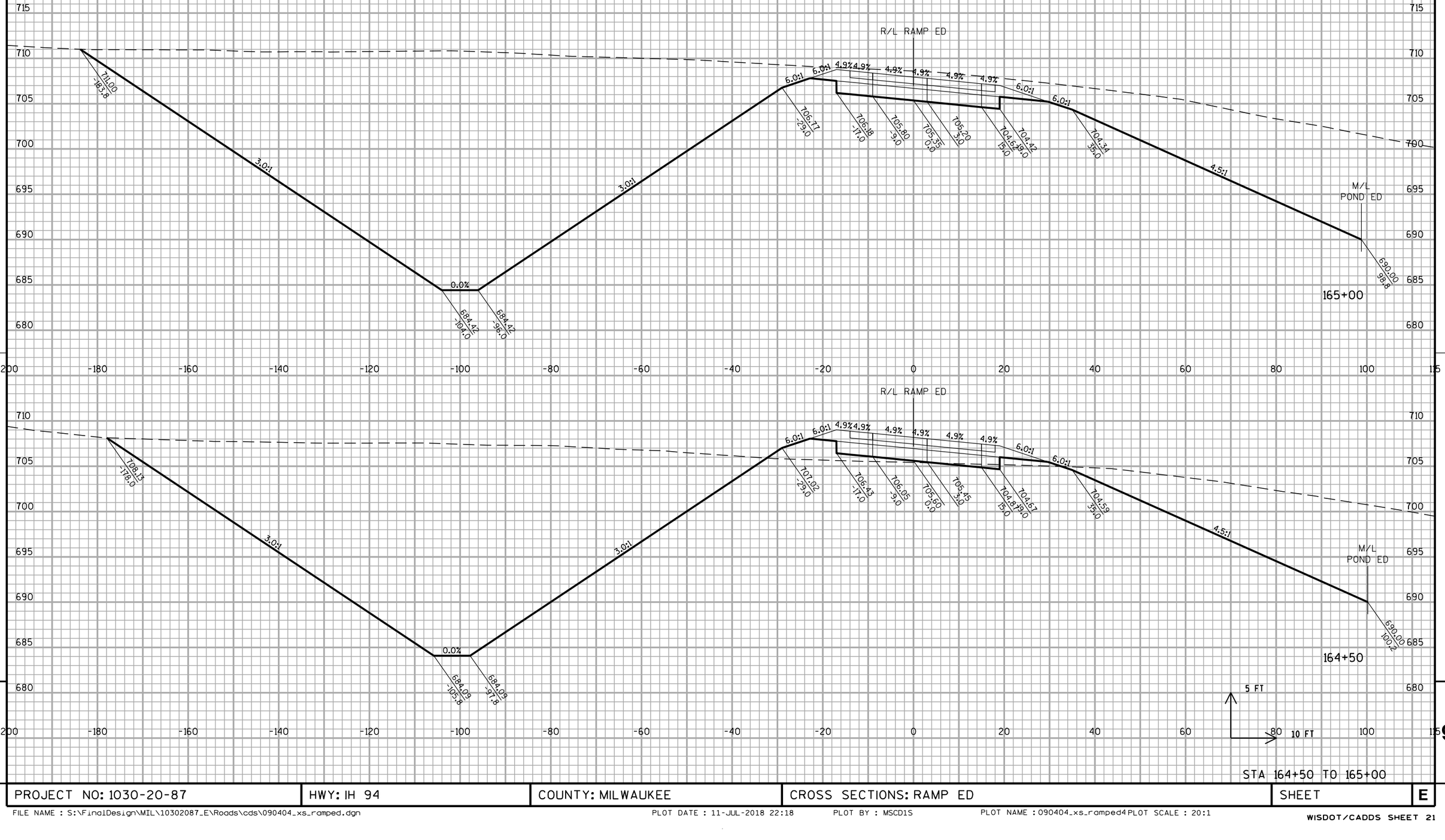


STA 164+00 TO 164+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP ED	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090404_xs_ramped.dgn PLOT DATE : 11-JUL-2018 22:18 PLOT BY : MSCD1S PLOT NAME : 090404_xs_ramped3 PLOT SCALE : 20:1

ALL WORK STAGE 1

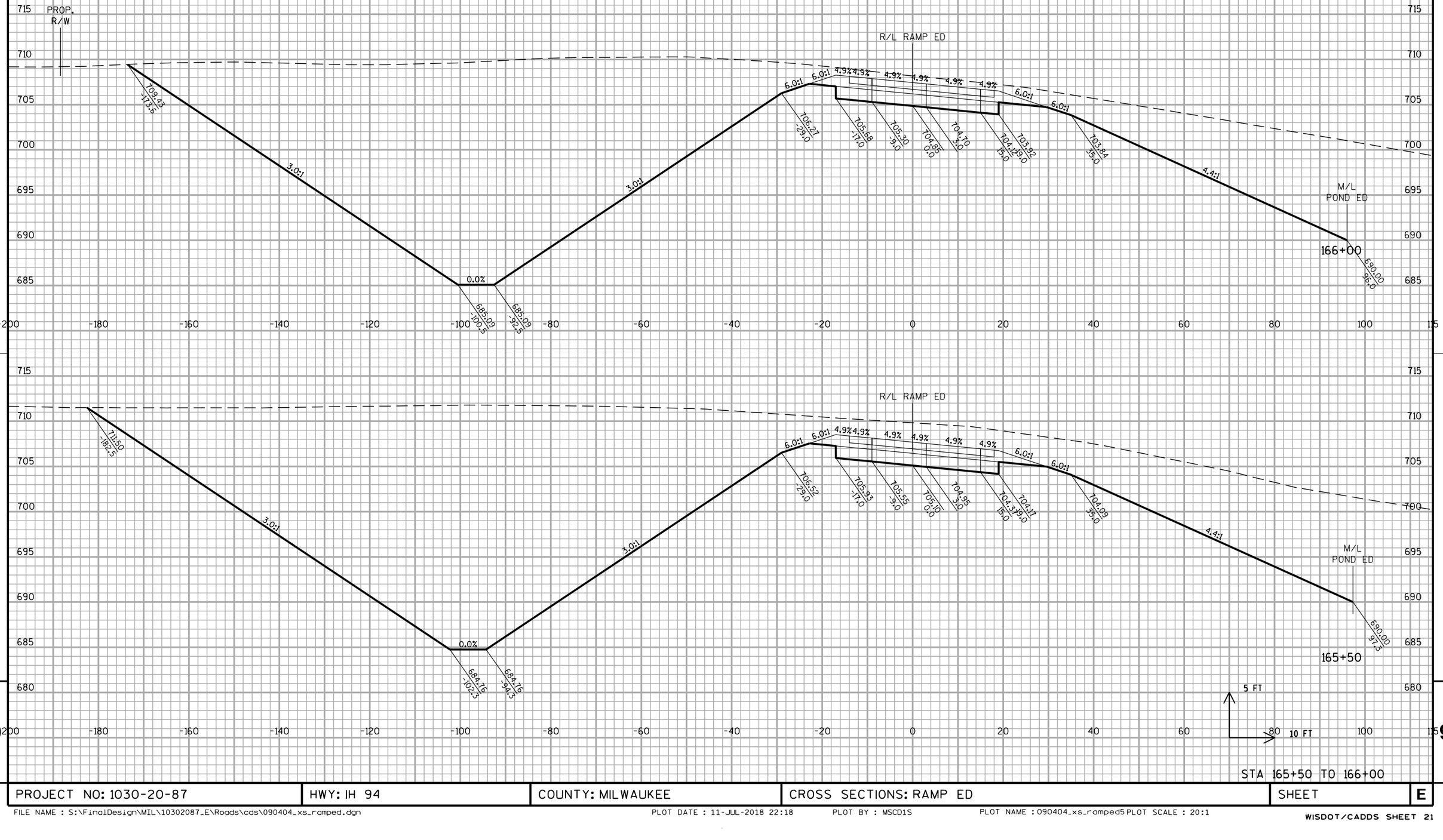


STA 164+50 TO 165+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP ED	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090404_xs_ramped.dgn PLOT DATE : 11-JUL-2018 22:18 PLOT BY : MSCD1S PLOT NAME : 090404_xs_ramped4 PLOT SCALE : 20:1

ALL WORK STAGE 1

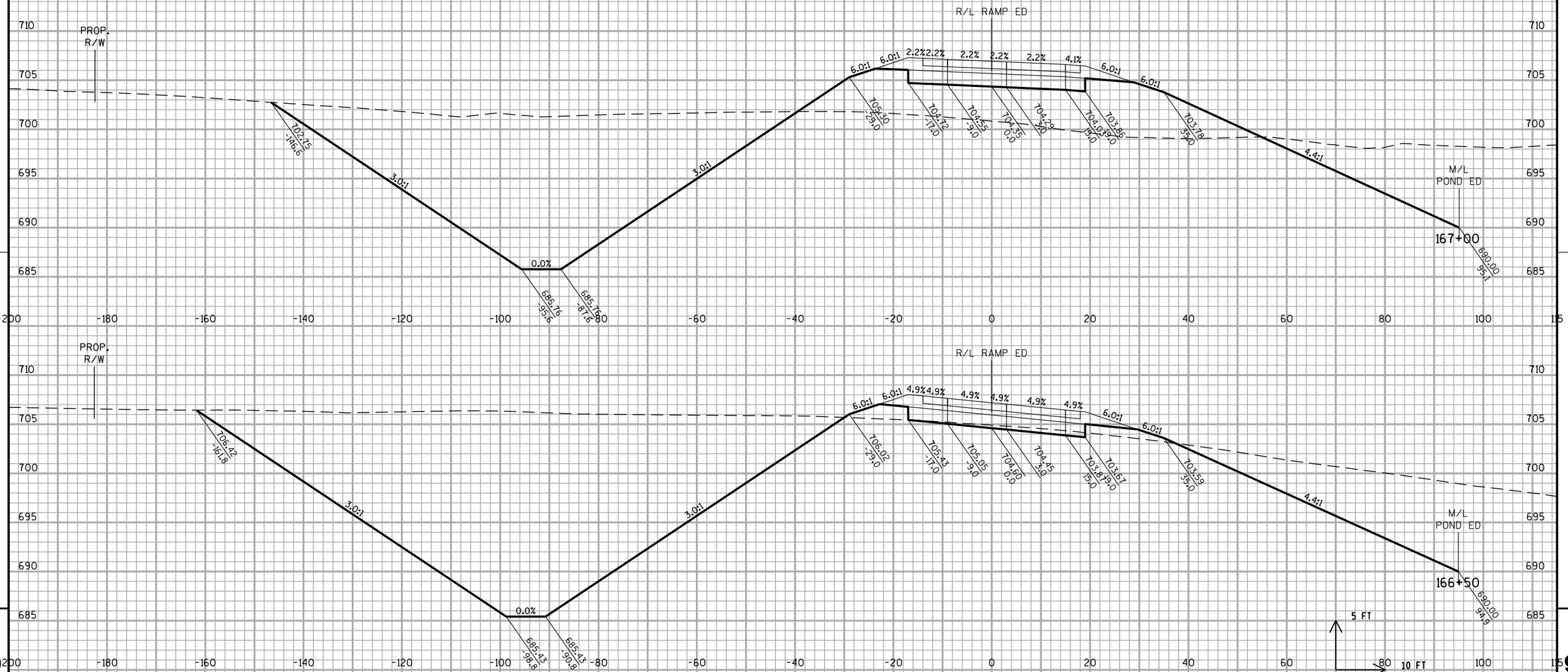


PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP ED	SHEET	E

STA 165+50 TO 166+00

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090404_xs_ramped.dgn PLOT DATE : 11-JUL-2018 22:18 PLOT BY : MSCD1S PLOT NAME : 090404_xs_ramped5 PLOT SCALE : 20:1

ALL WORK STAGE 1



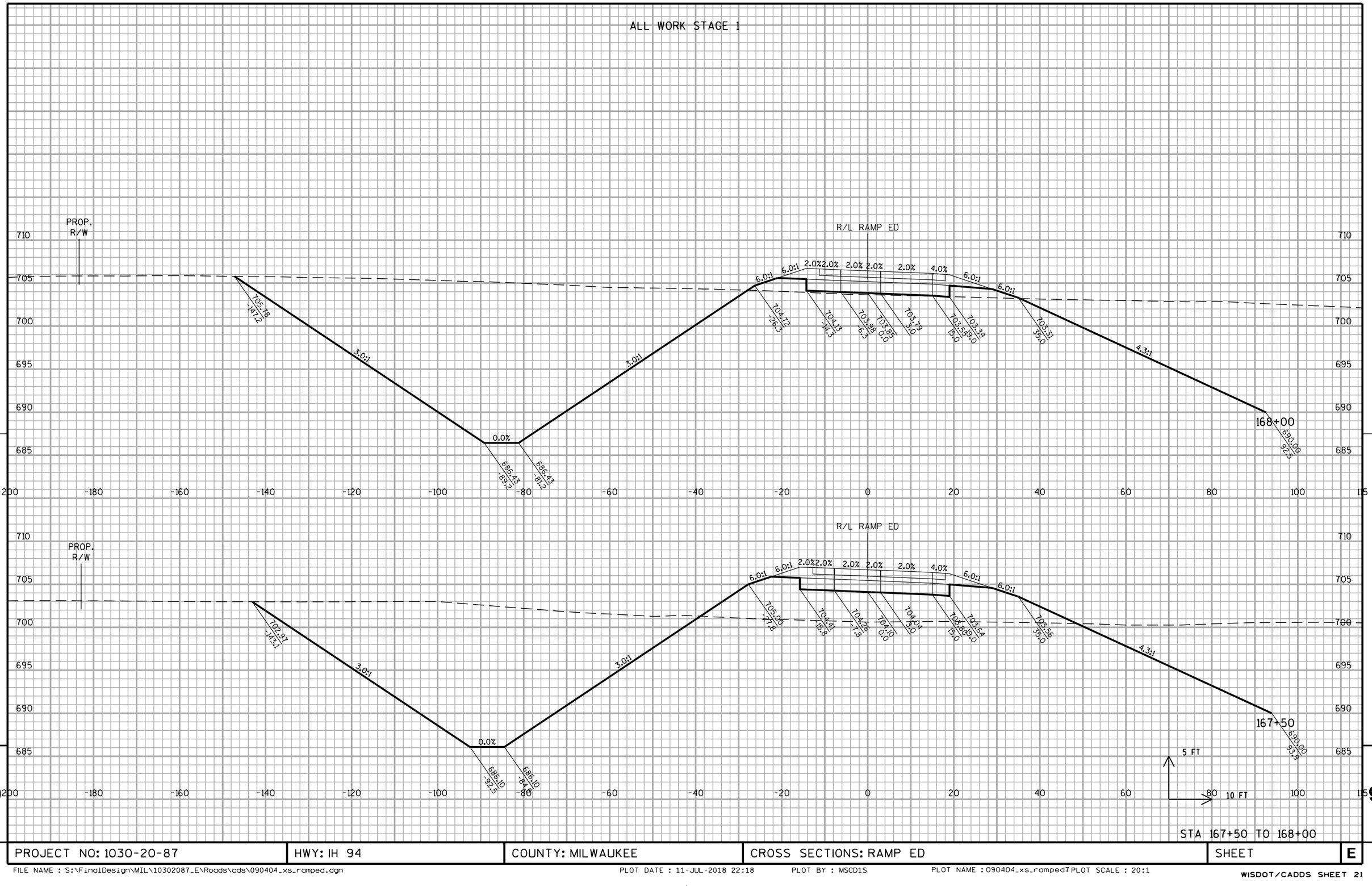
STA 166+50 TO 167+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP ED	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090404_xs_ramped.dgn PLOT DATE : 11-JUL-2018 22:18 PLOT BY : MSCD1S PLOT NAME : 090404_xs_ramped6 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

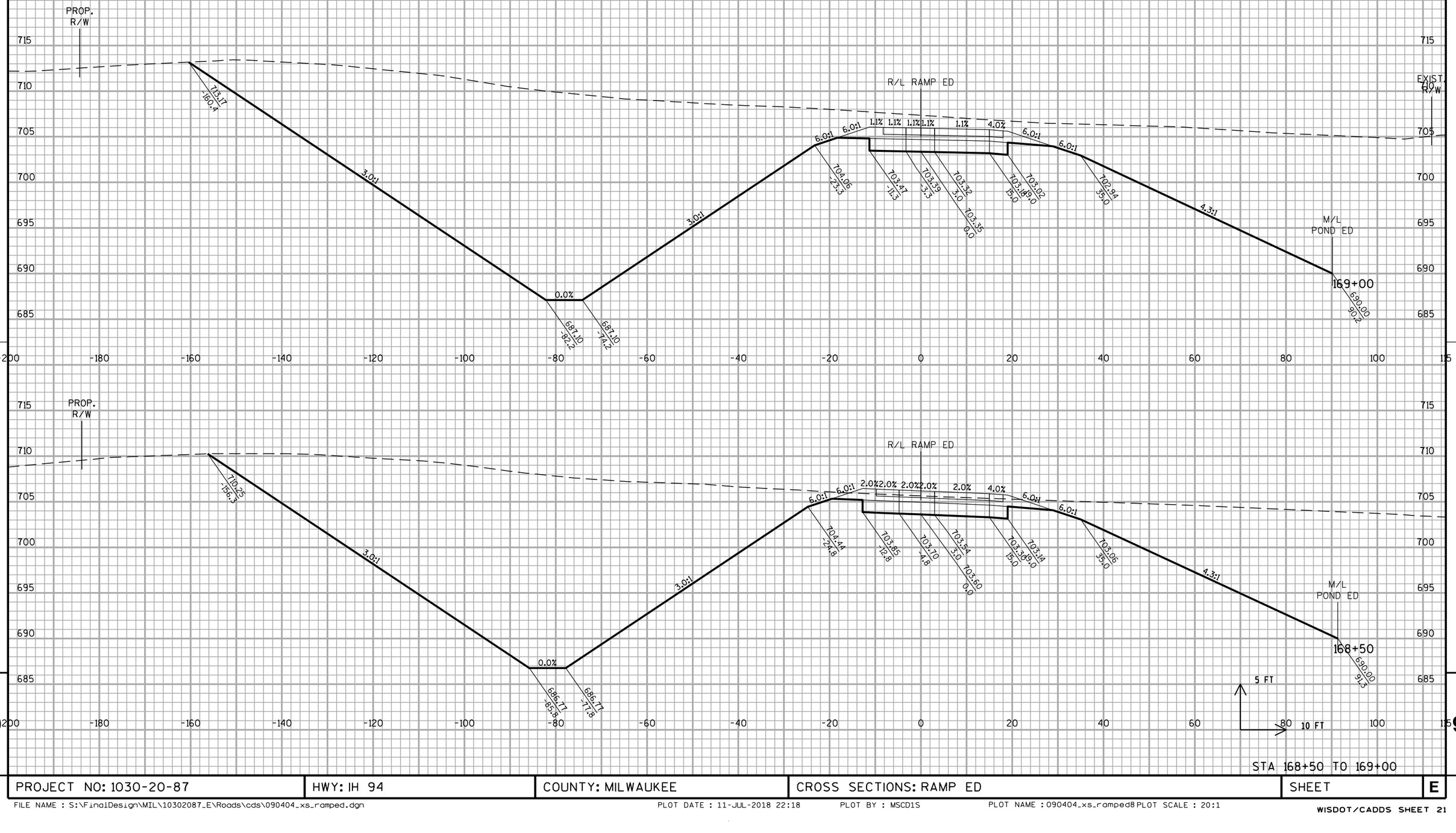
ALL WORK STAGE 1



STA 167+50 TO 168+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP ED	SHEET	E

ALL WORK STAGE 1

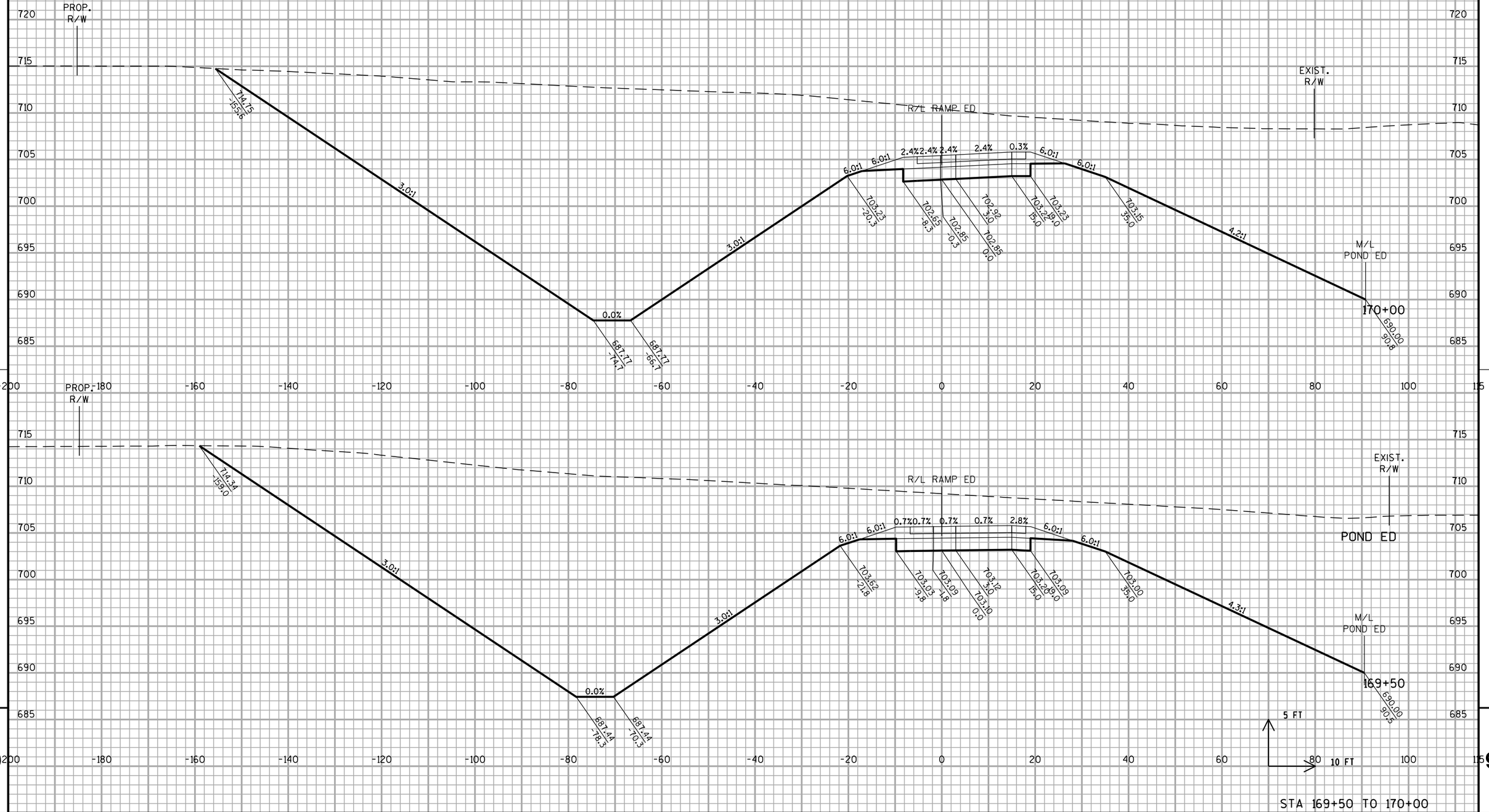


STA 168+50 TO 169+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP ED	SHEET	E

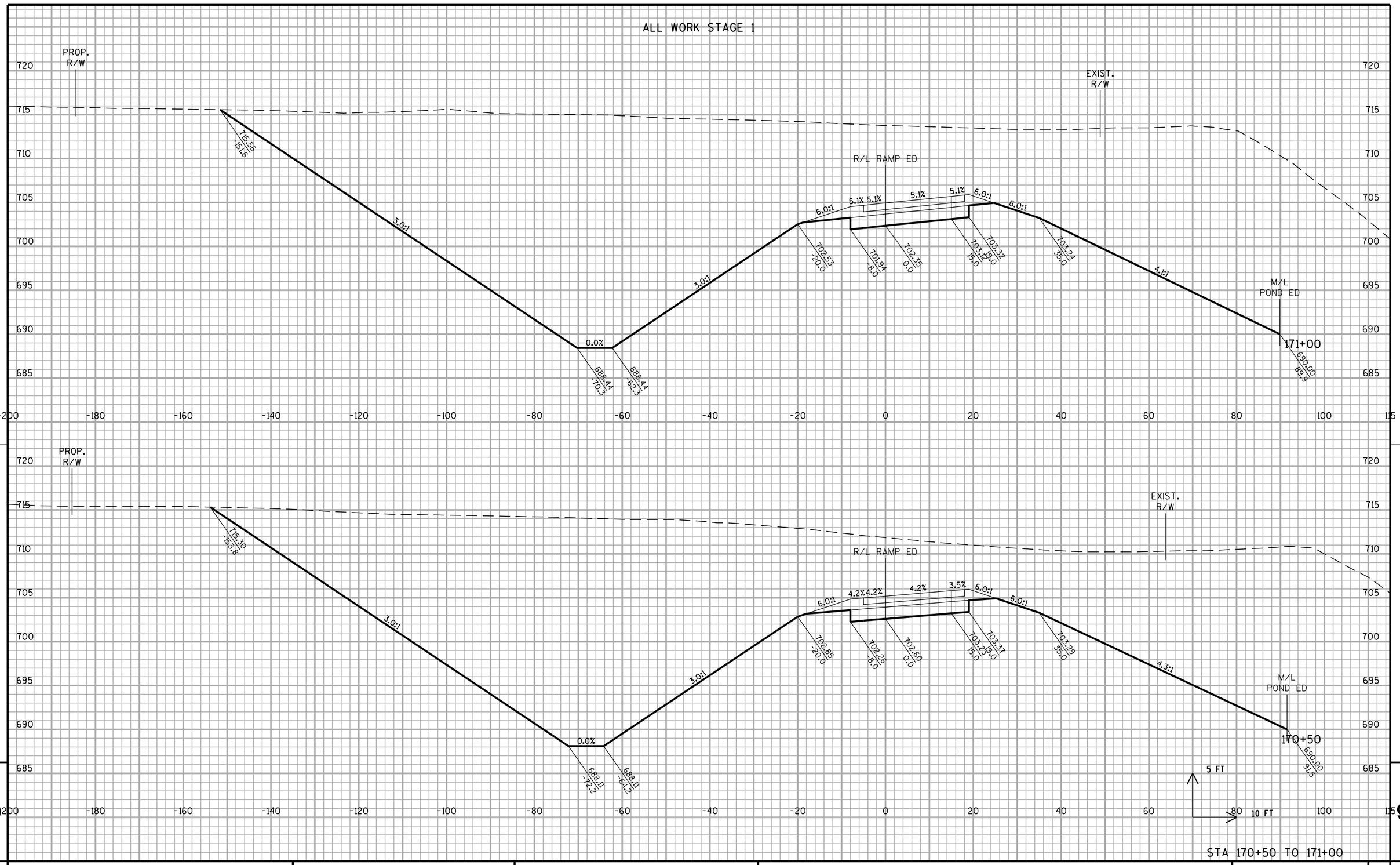
FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090404_xs_ramped.dgn PLOT DATE : 11-JUL-2018 22:18 PLOT BY : MSCD1S PLOT NAME : 090404_xs_ramped8 PLOT SCALE : 20:1

ALL WORK STAGE 1



STA 169+50 TO 170+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP ED	SHEET	E



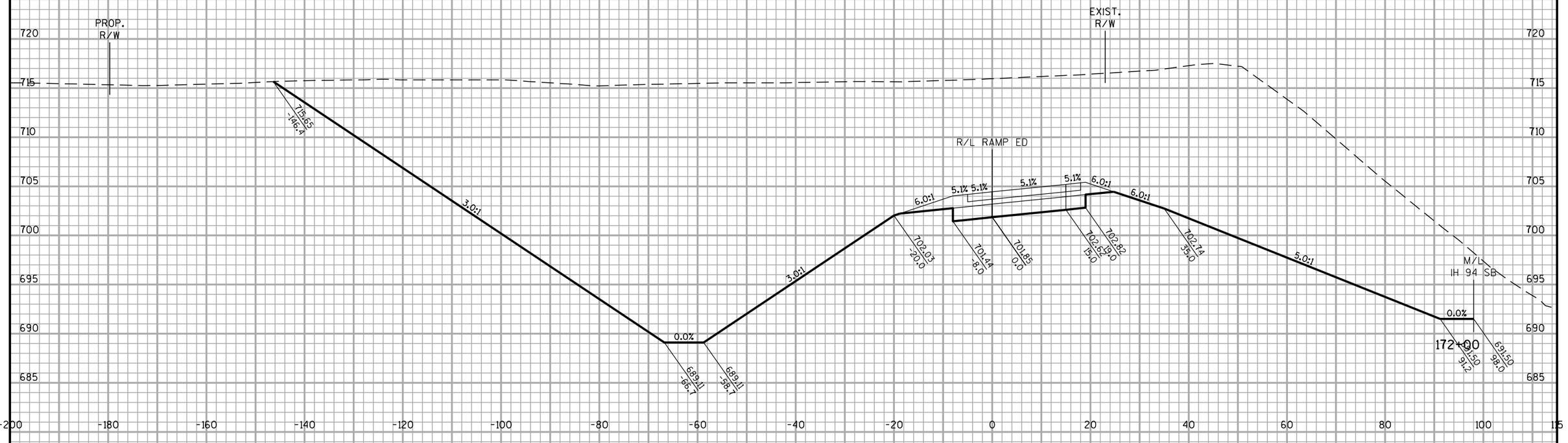
PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP ED	SHEET	E

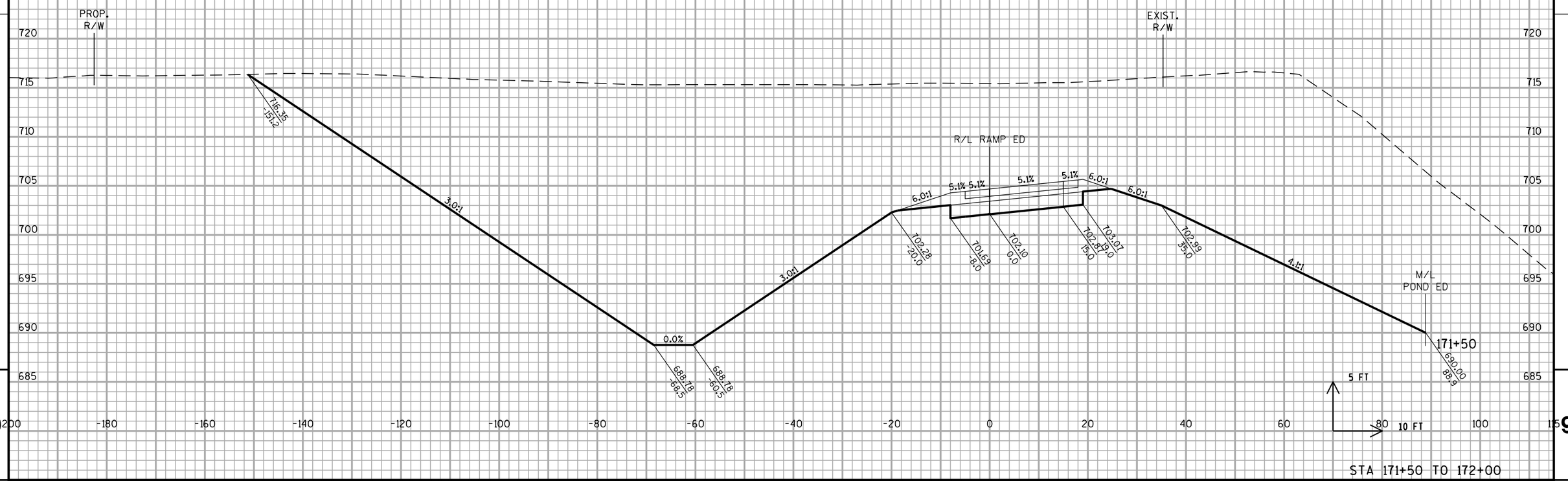
FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090404_xs_ramped.dgn PLOT DATE : 11-JUL-2018 22:18 PLOT BY : MSCD1S PLOT NAME : 090404_xs_ramped10PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

9

ALL WORK STAGE 1





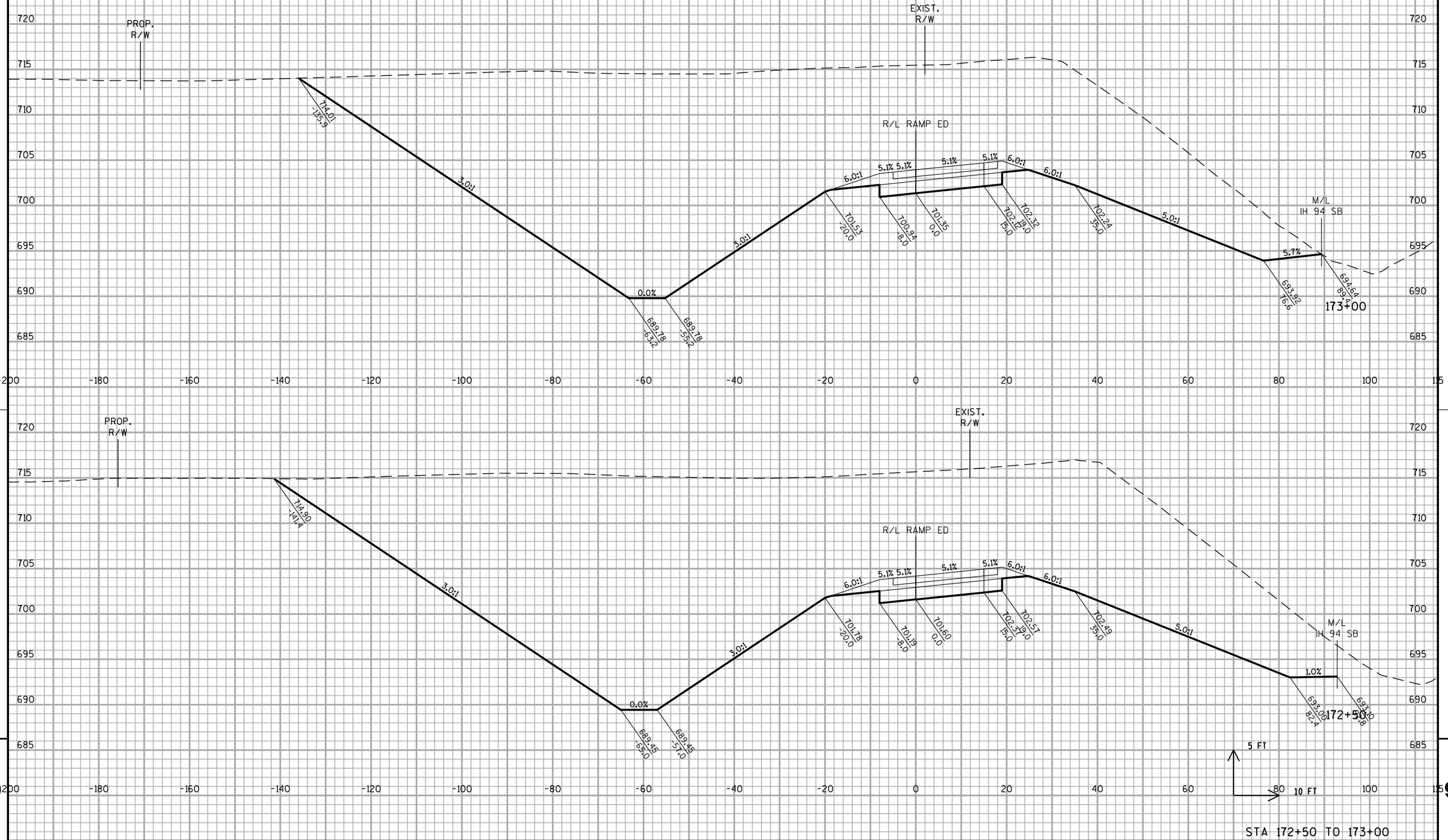
STA 171+50 TO 172+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP ED	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090404_xs_ramped.dgn PLOT DATE : 11-JUL-2018 22:18 PLOT BY : MSCD1S PLOT NAME : 090404_xs_ramped11PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 2



9

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP ED	SHEET	E

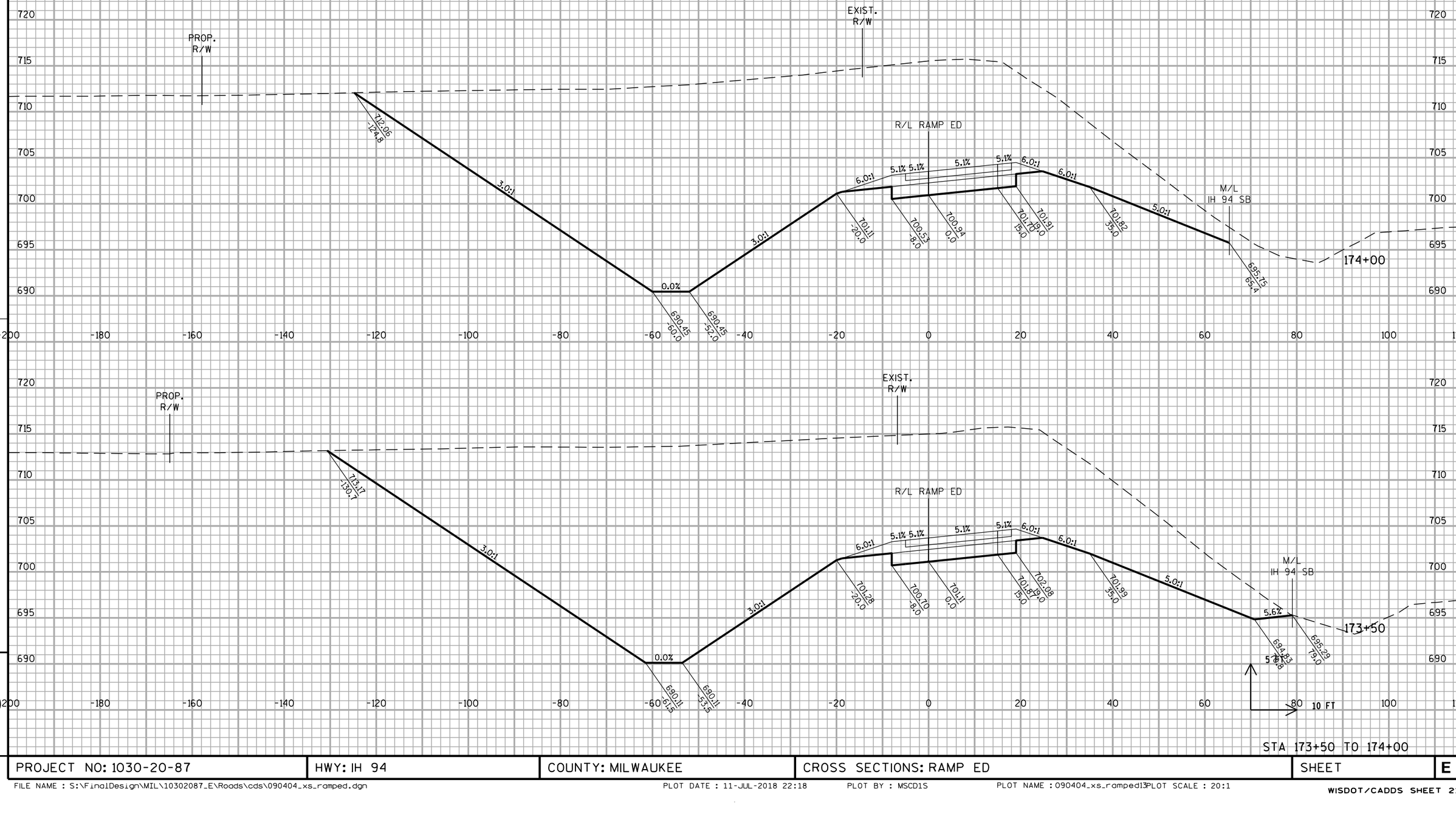
STA 172+50 TO 173+00

9

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090404_xs_ramped.dgn PLOT DATE : 11-JUL-2018 22:18 PLOT BY : MSCD1S PLOT NAME : 090404_xs_ramped12PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

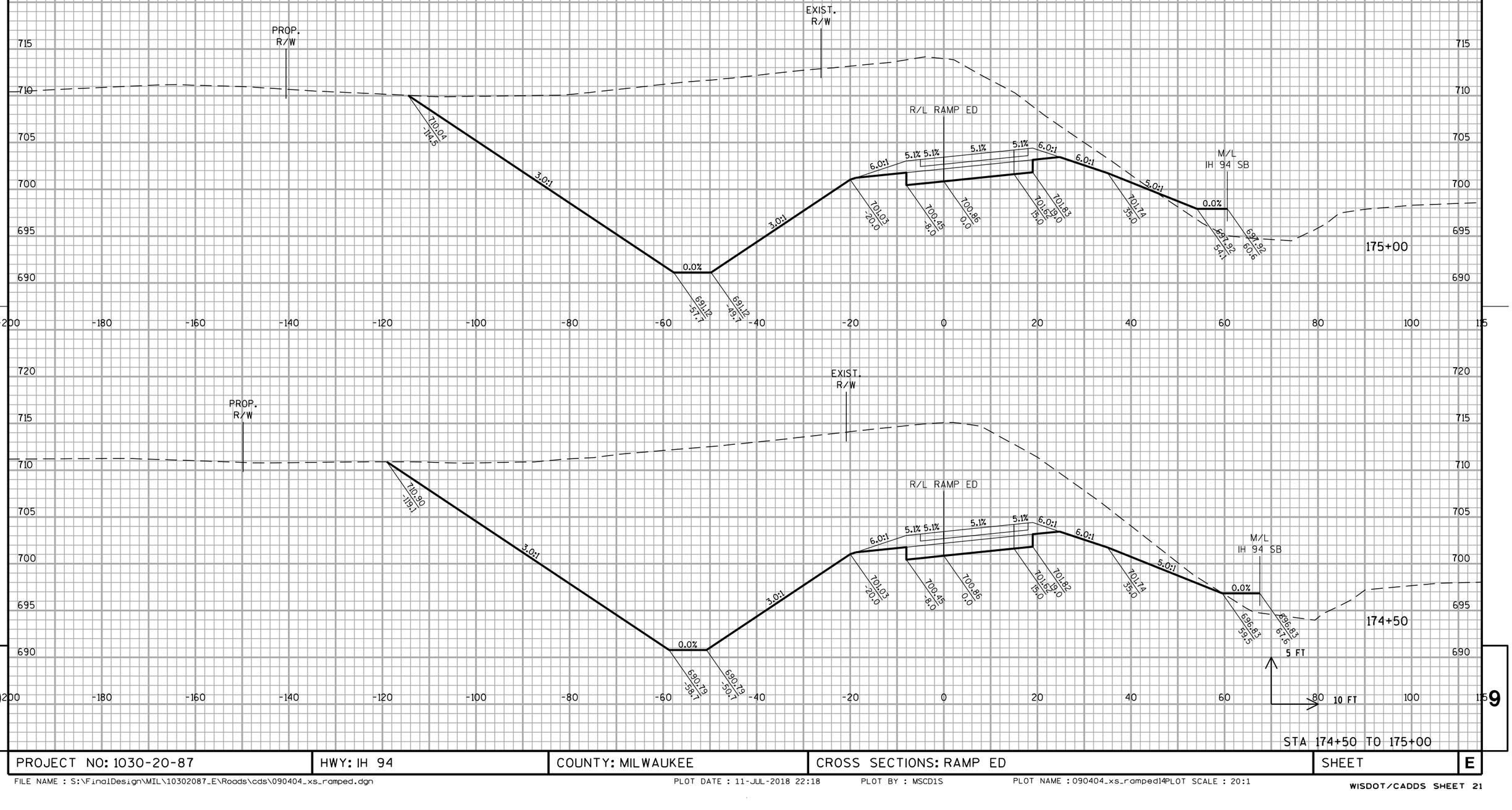
ALL WORK STAGE 2



STA 173+50 TO 174+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP ED	SHEET	E

ALL WORK STAGE 2



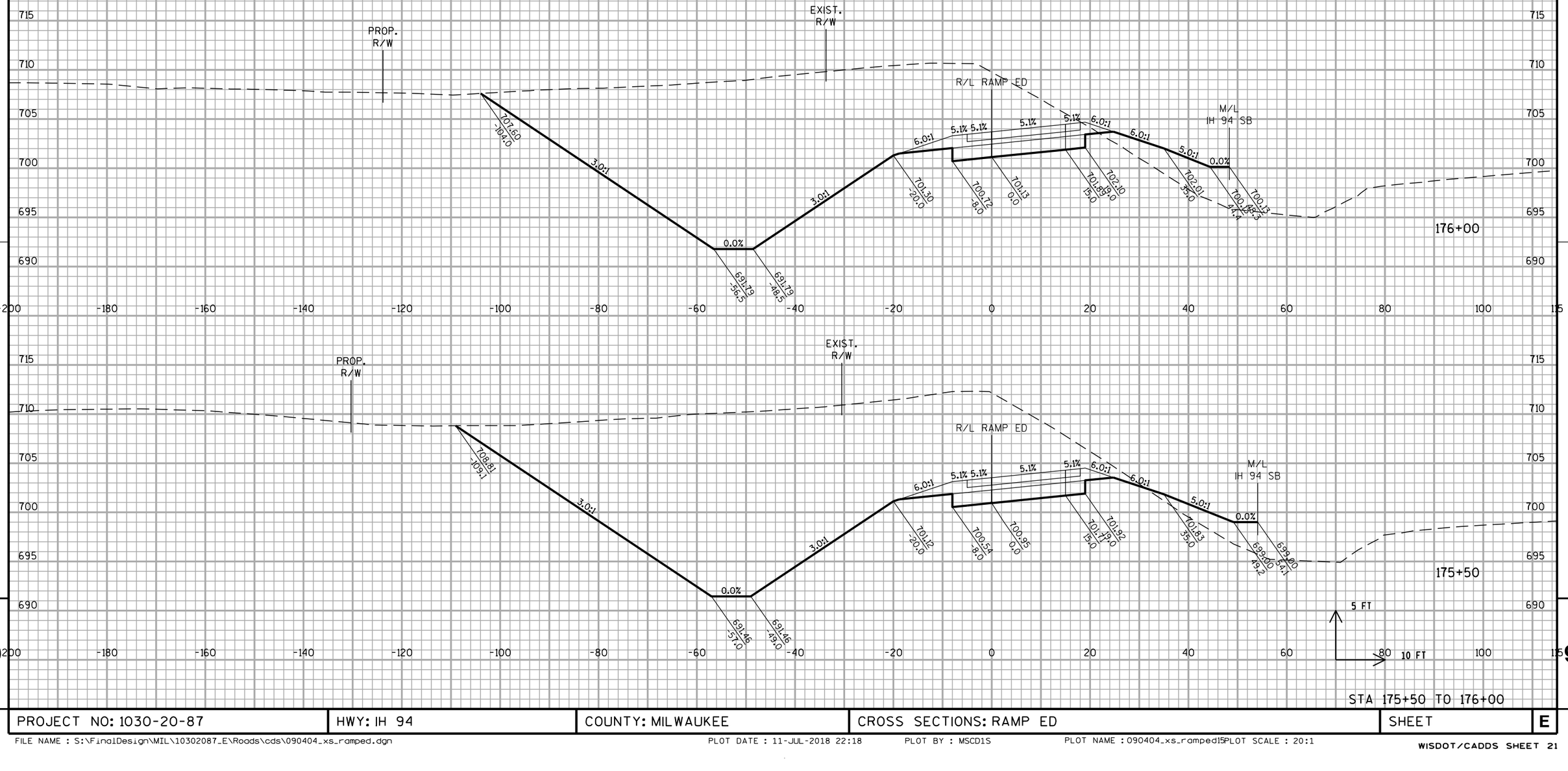
STA 174+50 TO 175+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP ED	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090404_xs_ramped.dgn PLOT DATE : 11-JUL-2018 22:18 PLOT BY : MSCD1S PLOT NAME : 090404_xs_ramped14PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

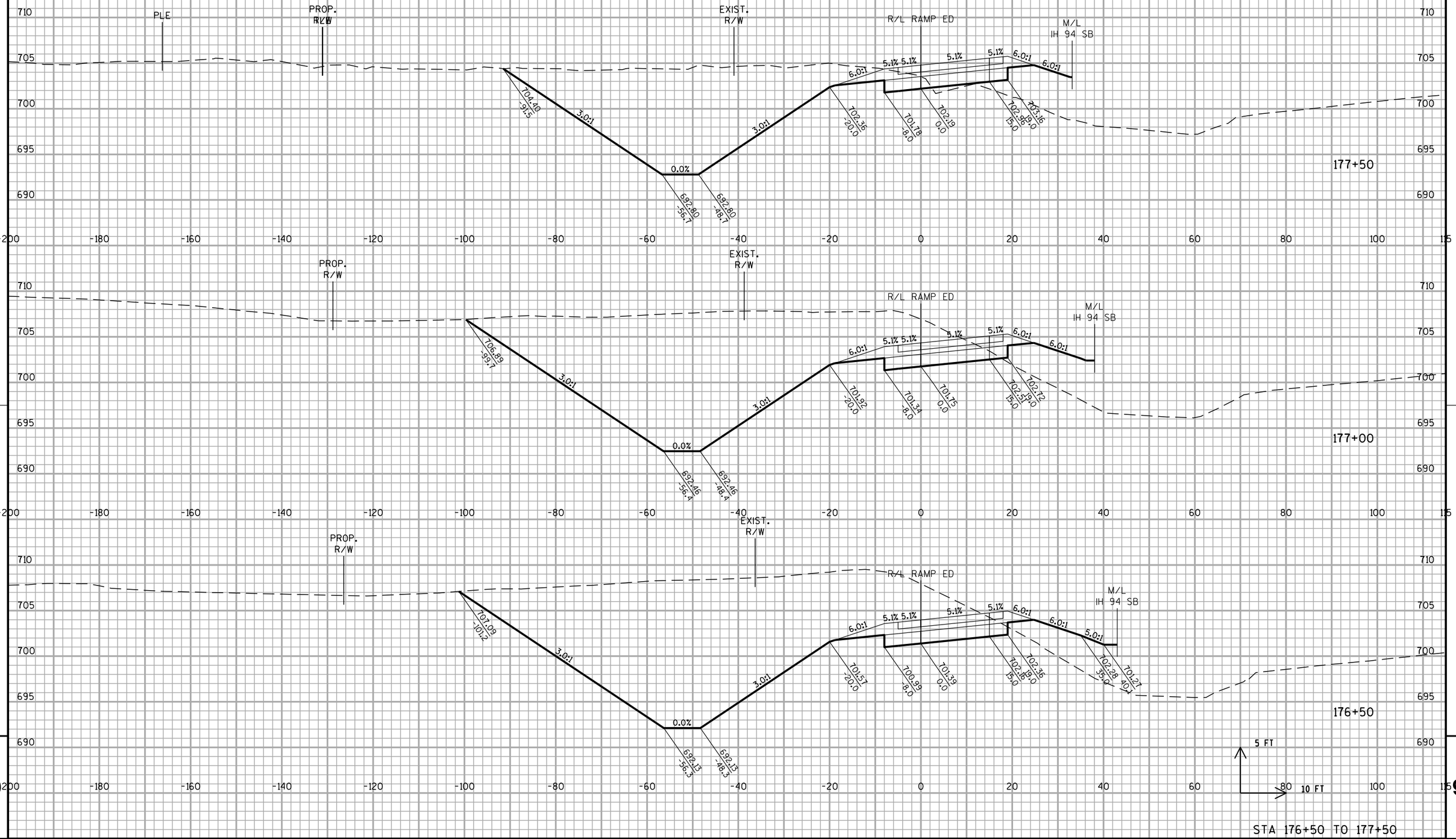
ALL WORK STAGE 2



STA 175+50 TO 176+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP ED	SHEET	E

ALL WORK STAGE 2



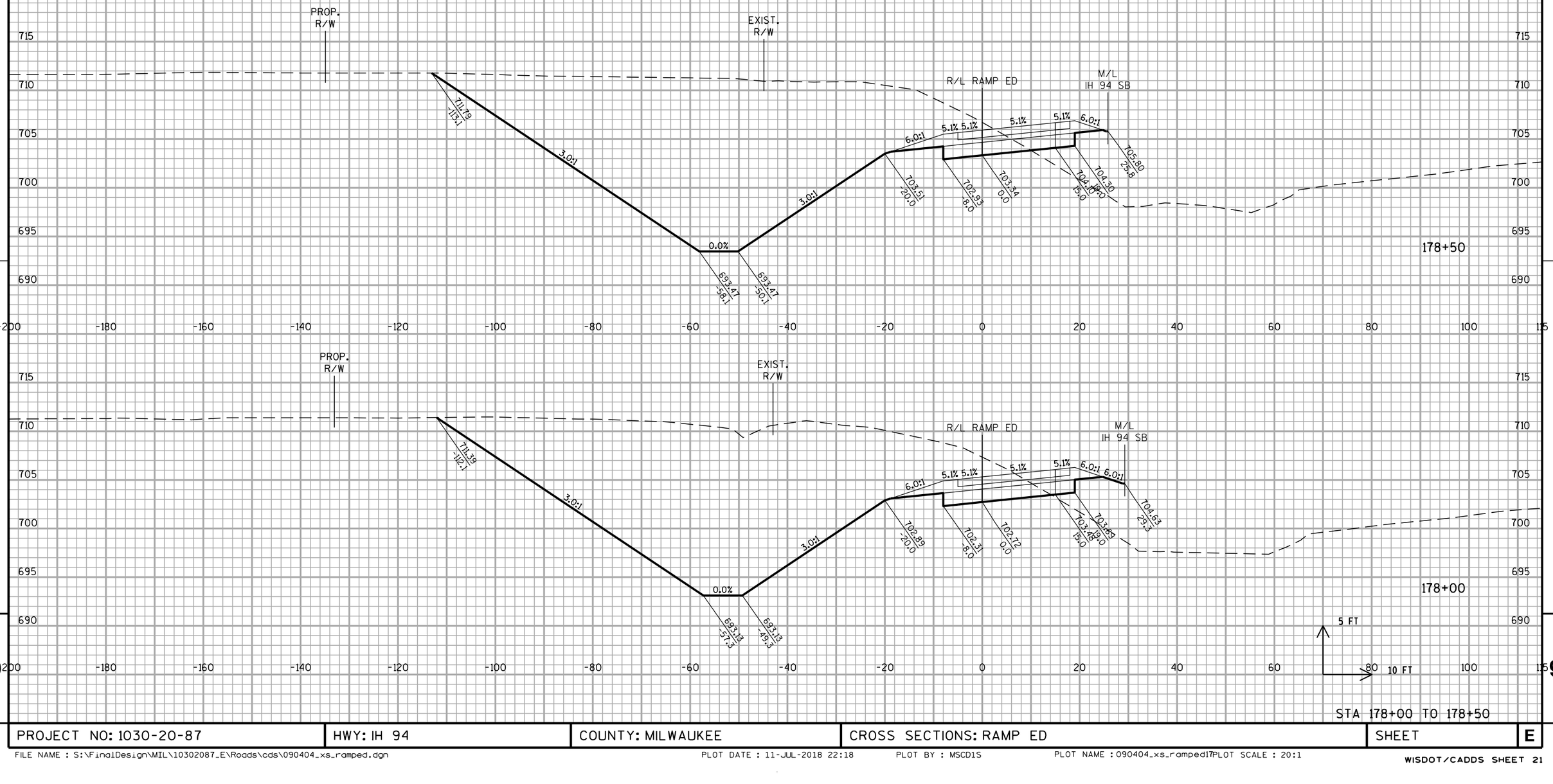
STA 176+50 TO 177+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP ED	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090404_xs_ramped.dgn PLOT DATE : 11-JUL-2018 22:18 PLOT BY : MSCD1S PLOT NAME : 090404_xs_ramped16PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 2

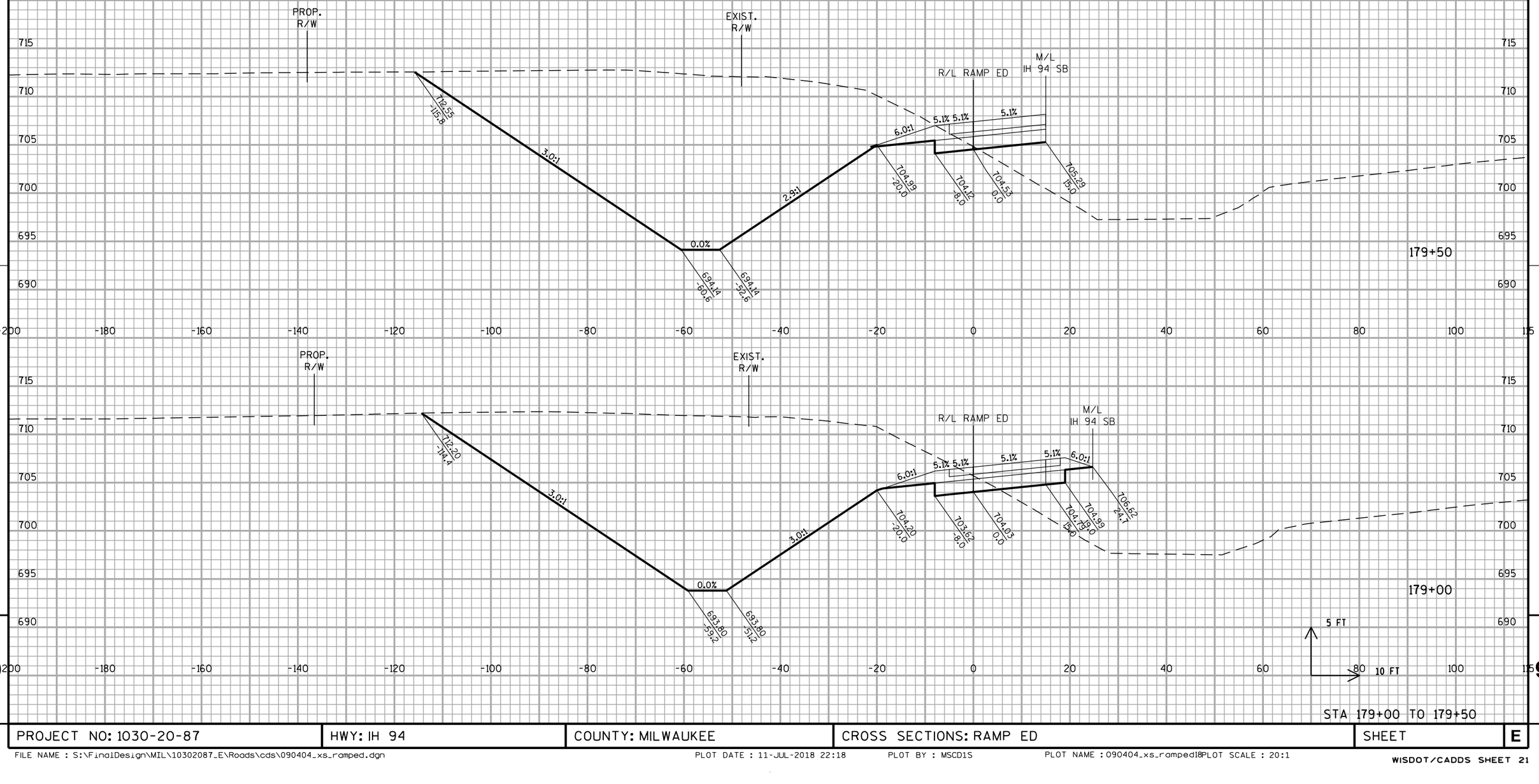


STA 178+00 TO 178+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP ED	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090404_xs_ramped.dgn PLOT DATE : 11-JUL-2018 22:18 PLOT BY : MSCD1S PLOT NAME : 090404_xs_ramped17PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

ALL WORK STAGE 2



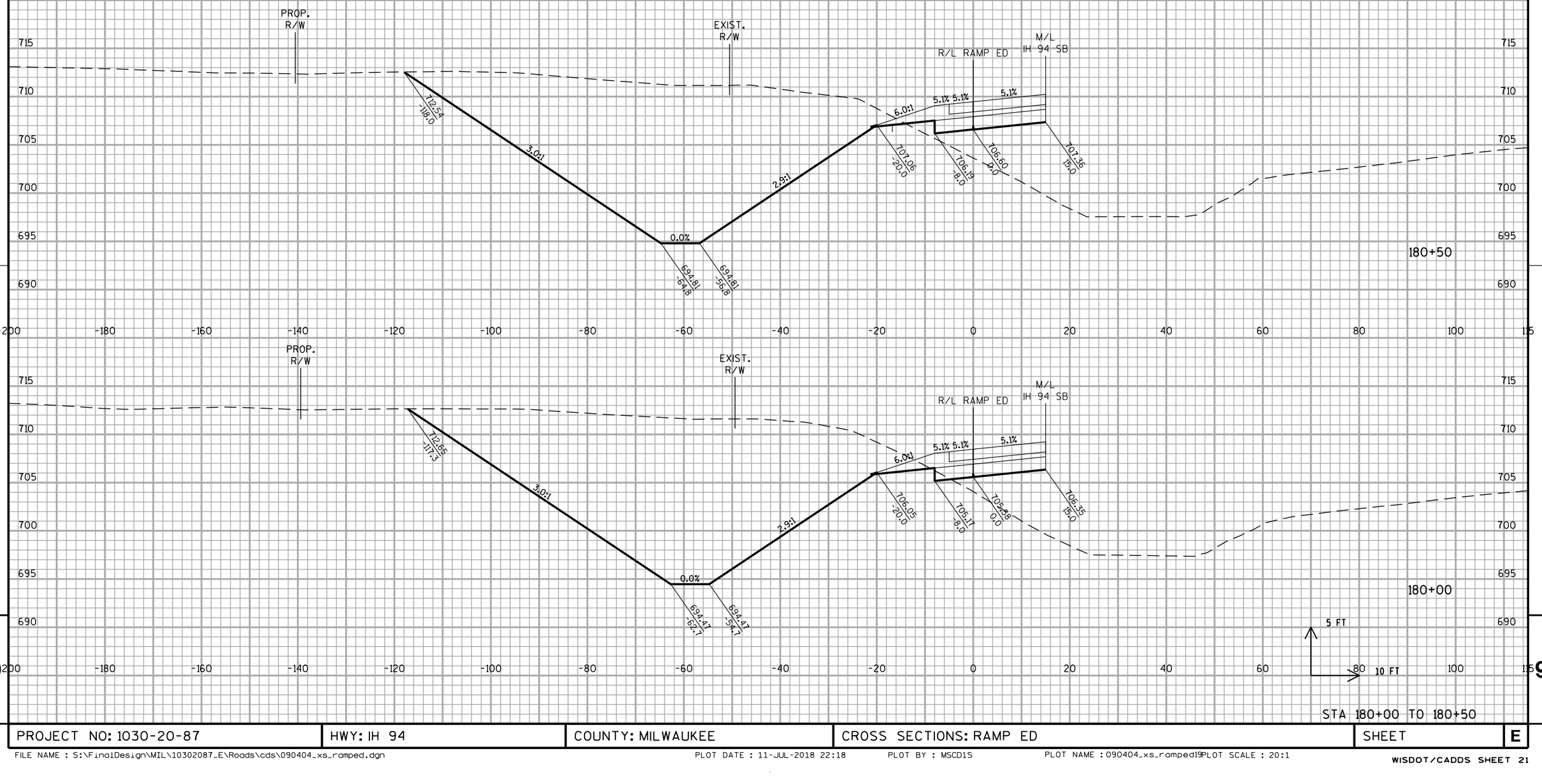
STA 179+00 TO 179+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP ED	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090404_xs_ramped.dgn PLOT DATE : 11-JUL-2018 22:18 PLOT BY : MSCD1S PLOT NAME : 090404_xs_ramped18 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

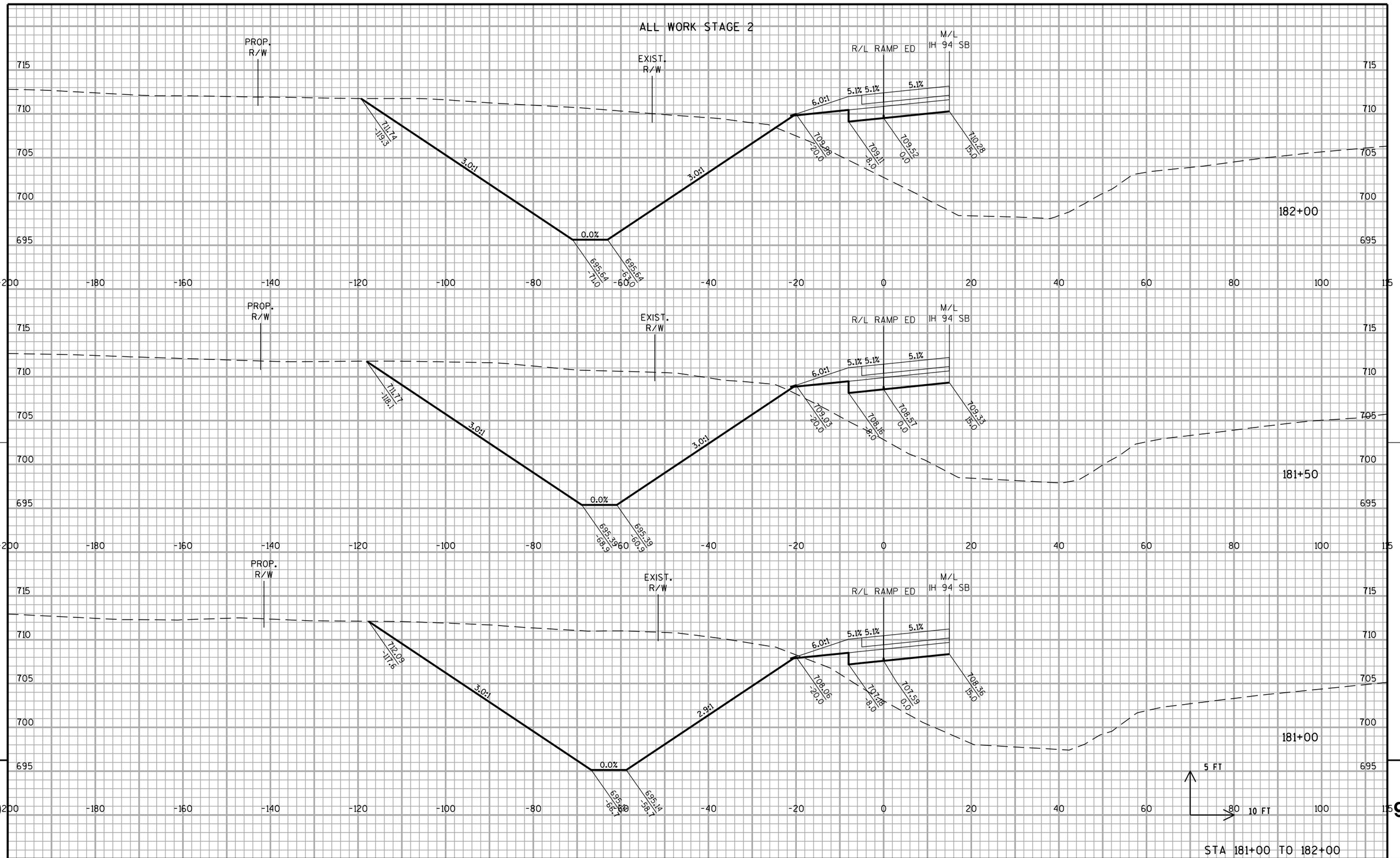
ALL WORK STAGE 2



STA 180+00 TO 180+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP ED	SHEET	E

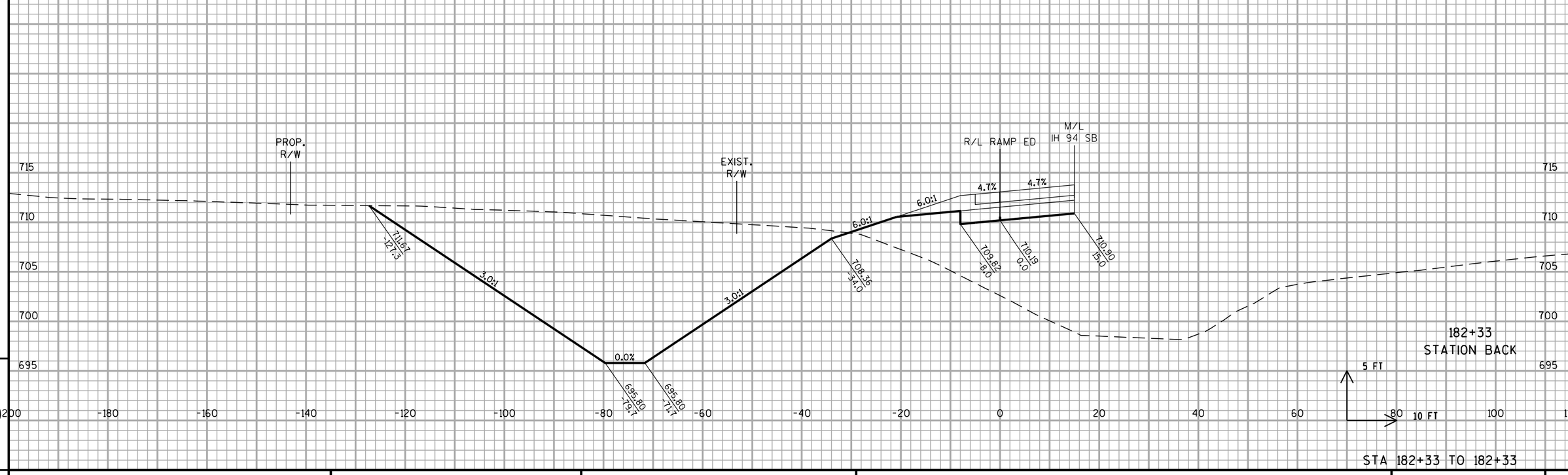
ALL WORK STAGE 2



STA 181+00 TO 182+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP ED	SHEET	E

ALL WORK STAGE 2

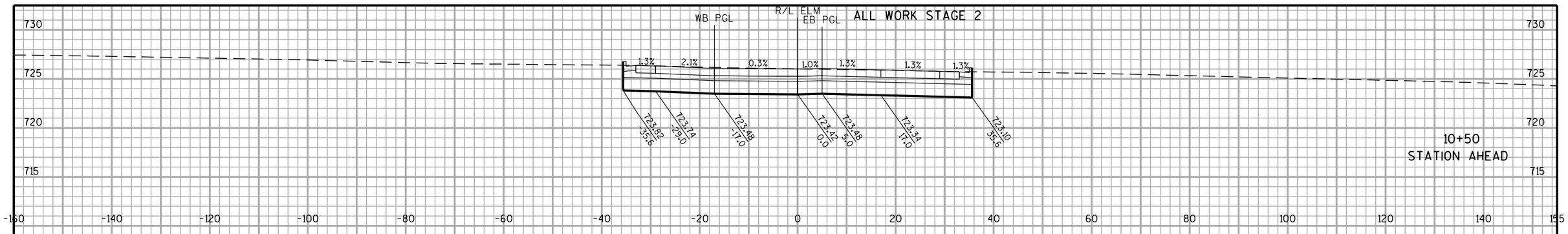


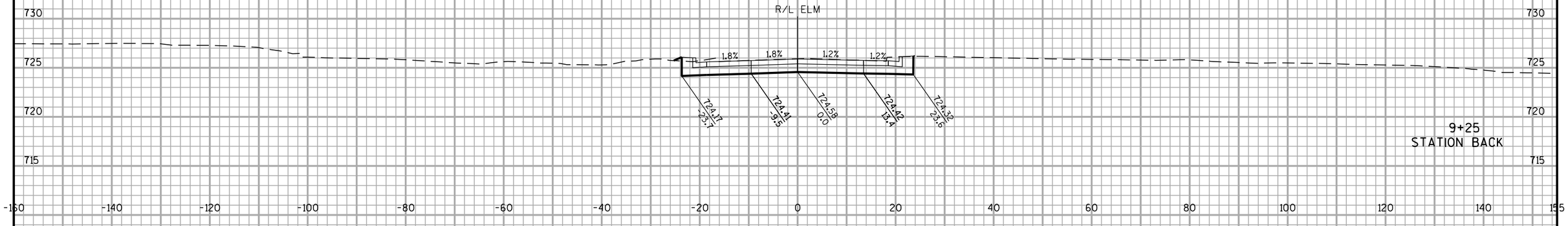
STA 182+33 TO 182+33

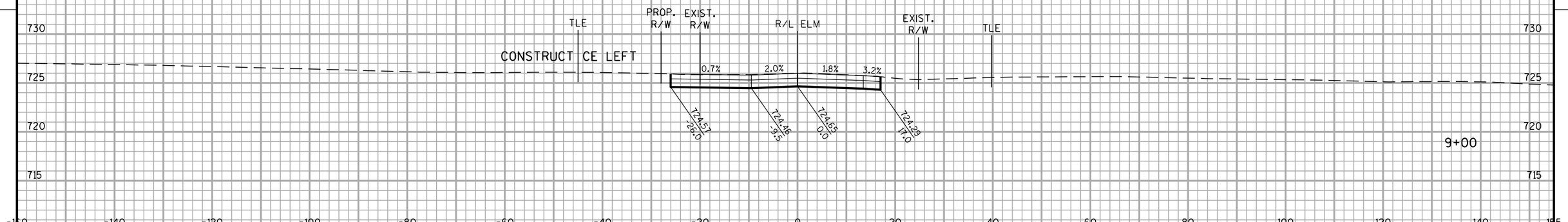
PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP ED	SHEET	E

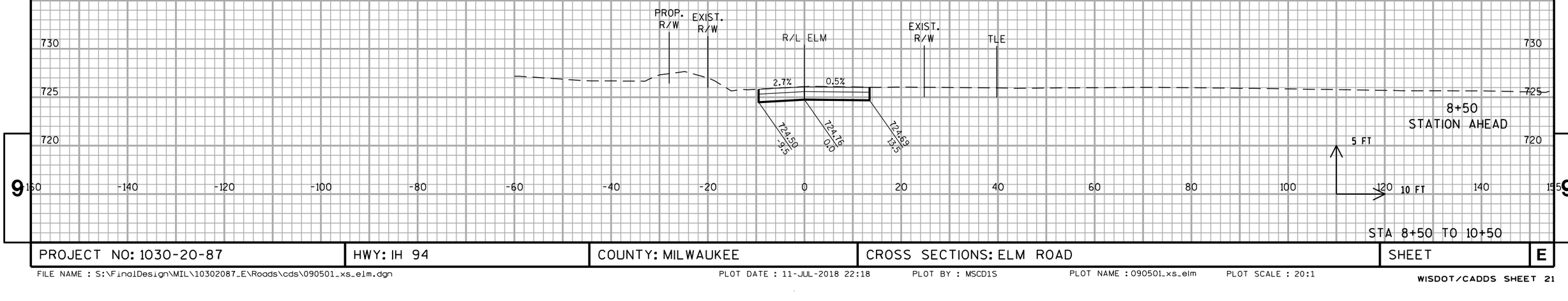
FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090404_xs_ramped.dgn PLOT DATE : 11-JUL-2018 22:18 PLOT BY : MSCD1S PLOT NAME : 090404_xs_ramped2 PLOT SCALE : 20:1

ALL WORK STAGE 2









STA 8+50 TO 10+50

9

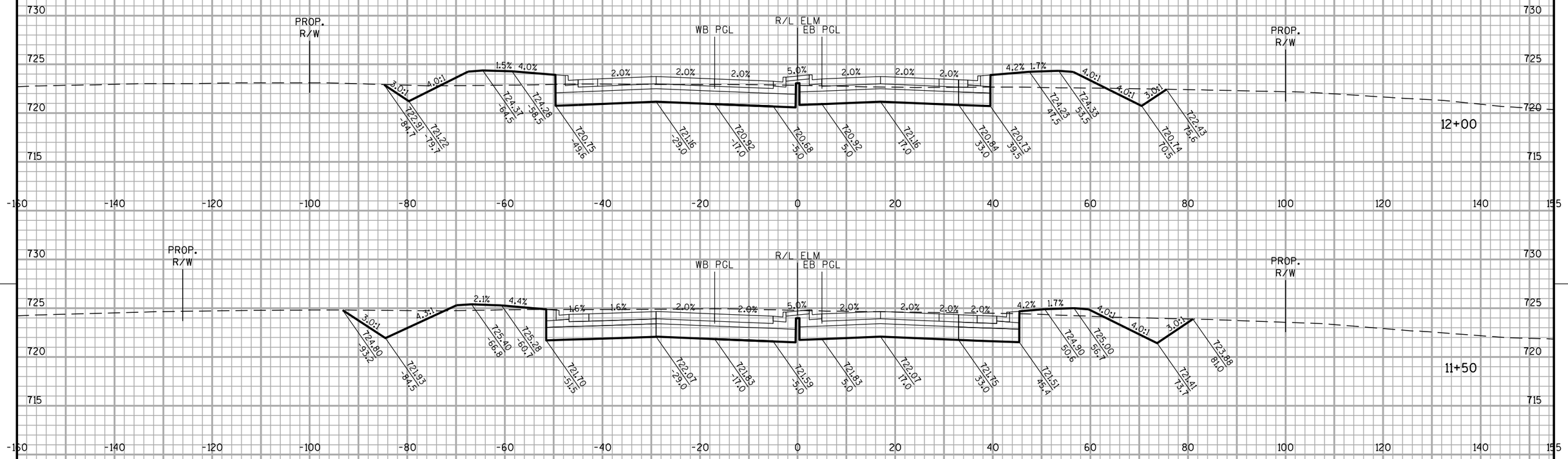
9

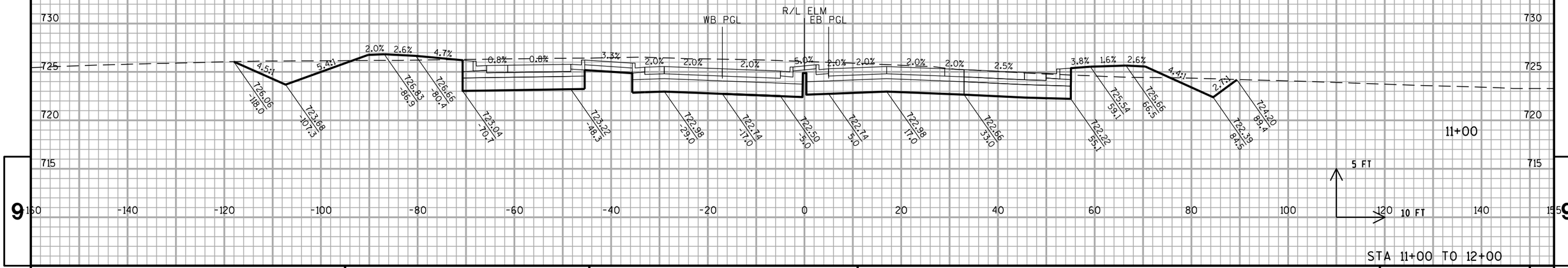
PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: ELM ROAD	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090501_xs_elm.dgn PLOT DATE : 11-JUL-2018 22:18 PLOT BY : MSCD1S PLOT NAME : 090501_xs_elm PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 2





STA 11+00 TO 12+00

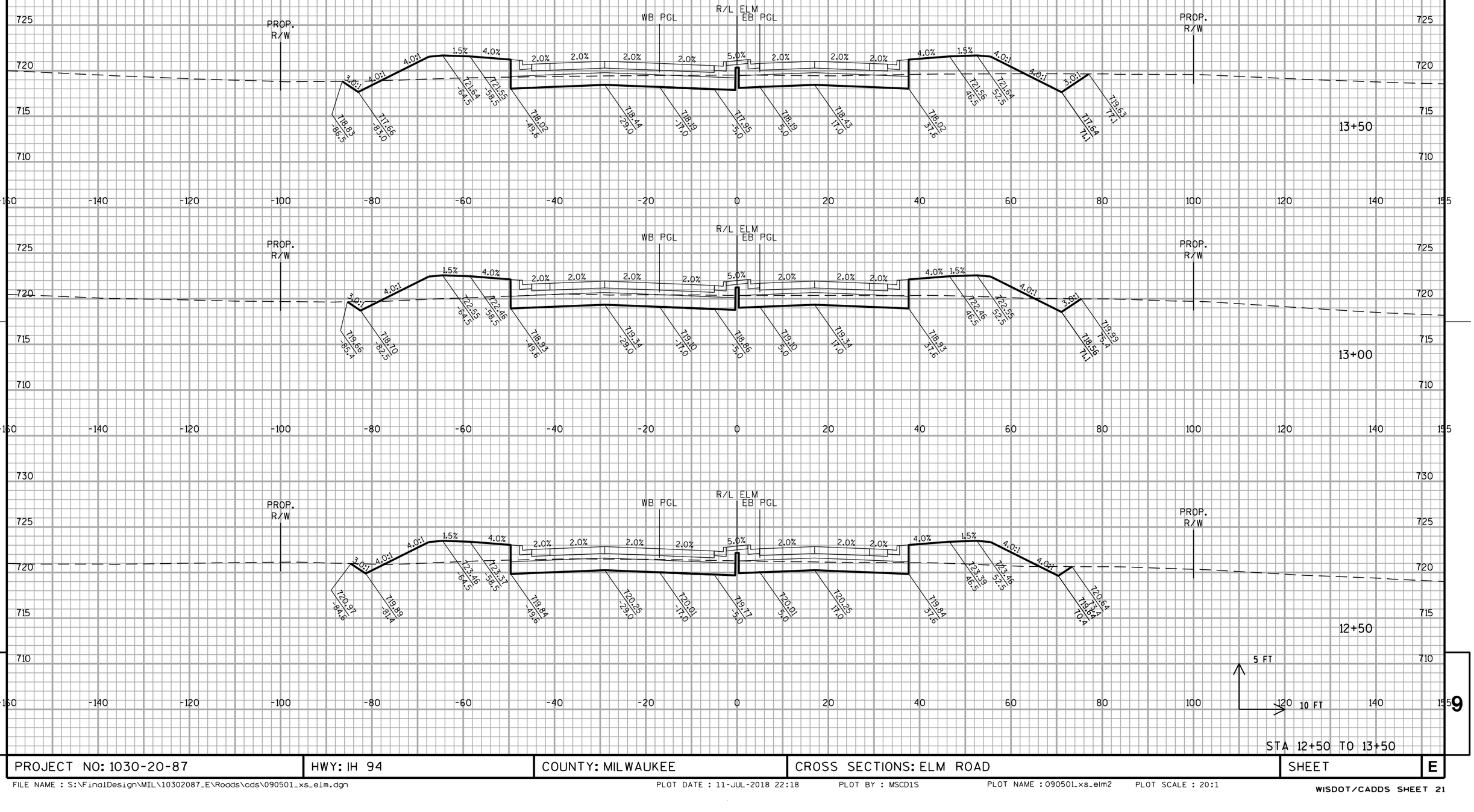
PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: ELM ROAD	SHEET	E

9

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090501_xs_elm.dgn PLOT DATE : 11-JUL-2018 22:18 PLOT BY : MSCD1S PLOT NAME : 090501_xs_elm1 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 2



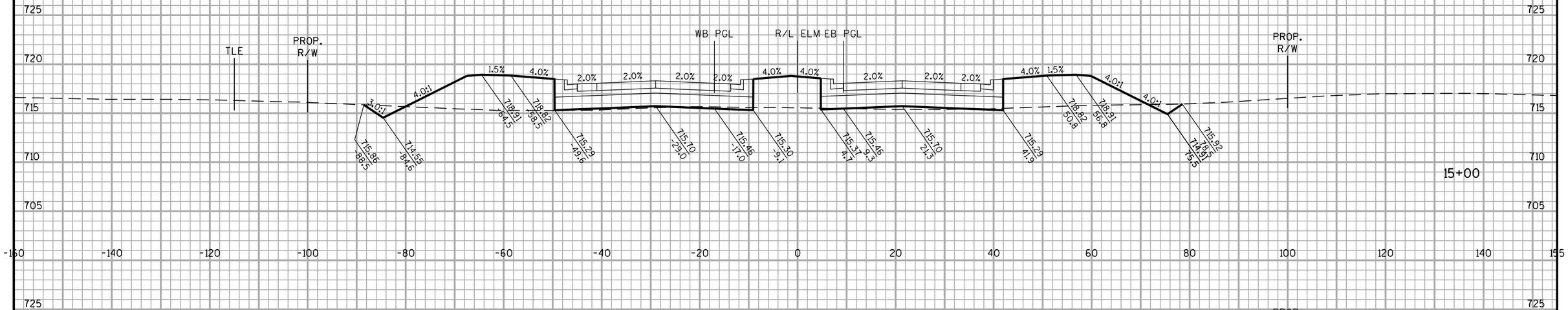
PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: ELM ROAD	SHEET	E

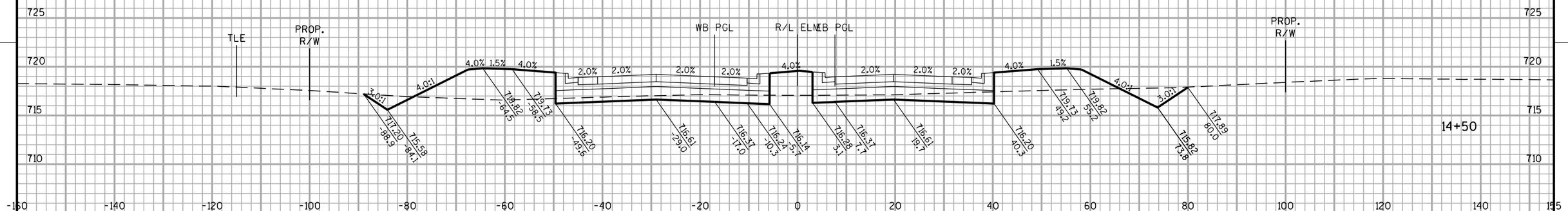
STA 12+50 TO 13+50

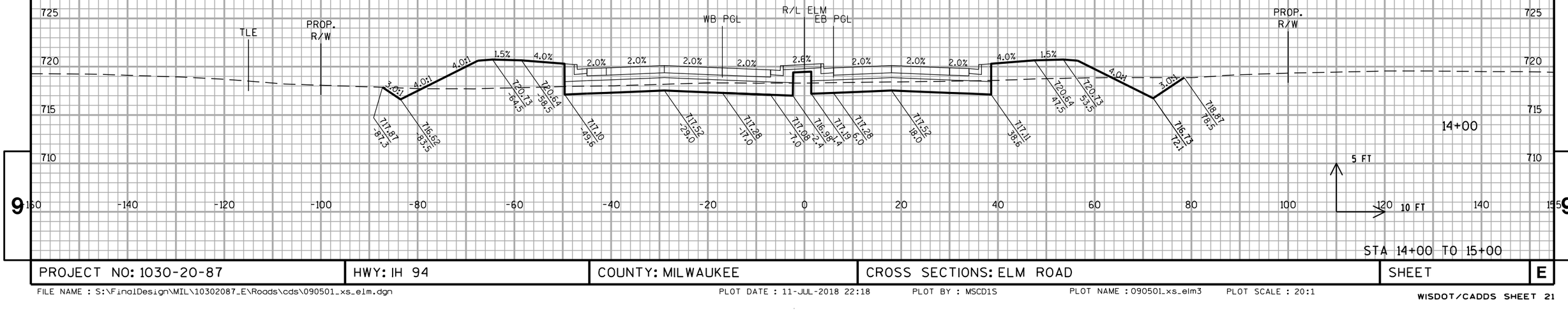
9 9

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090501_xs_elm.dgn PLOT DATE : 11-JUL-2018 22:18 PLOT BY : MSCD1S PLOT NAME : 090501_xs_elm2 PLOT SCALE : 20:1

ALL WORK STAGE 2







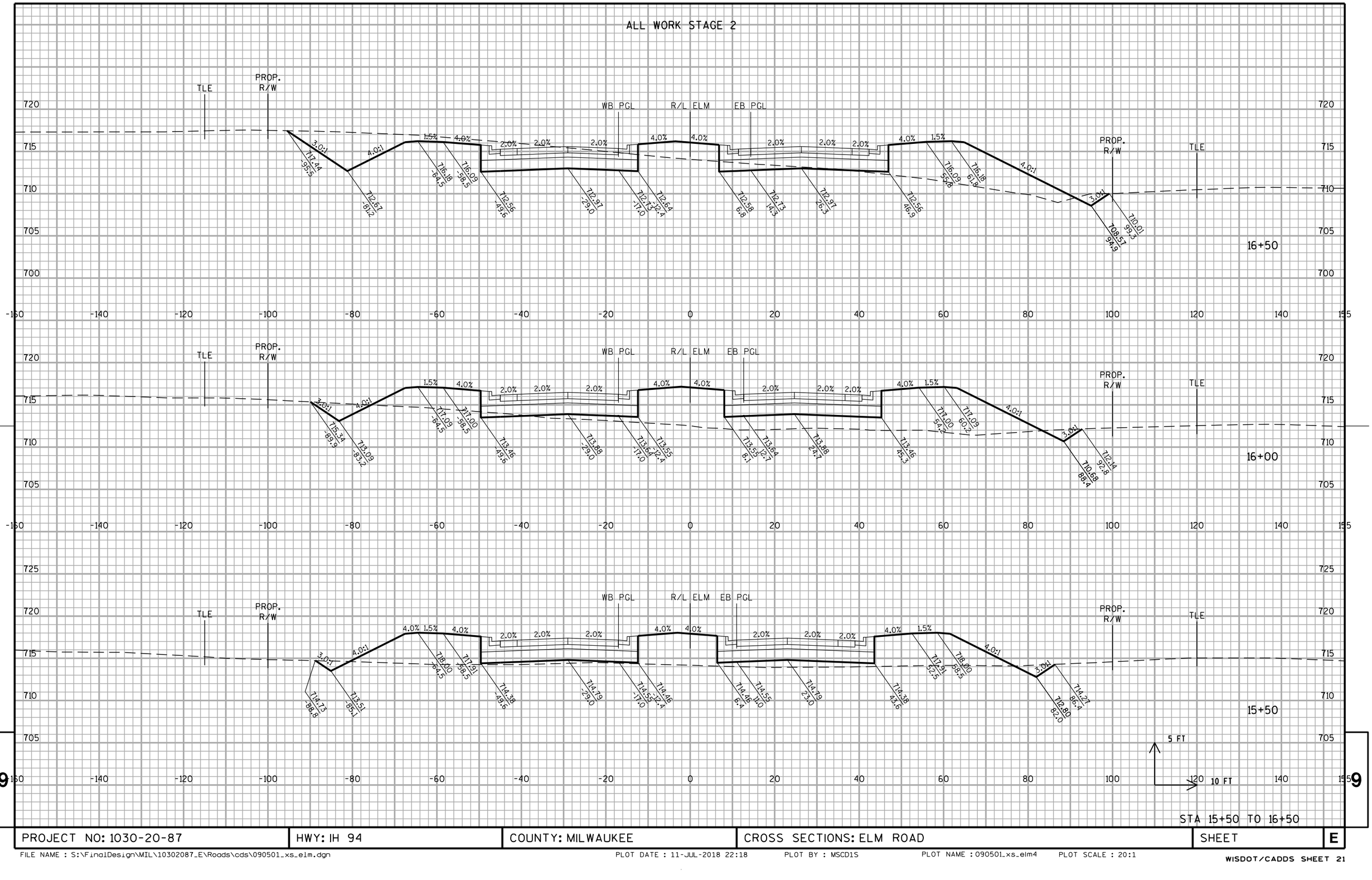
STA 14+00 TO 15+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: ELM ROAD	SHEET	E

9

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090501_xs_elm.dgn PLOT DATE : 11-JUL-2018 22:18 PLOT BY : MSCD1S PLOT NAME : 090501_xs_elm3 PLOT SCALE : 20:1

ALL WORK STAGE 2

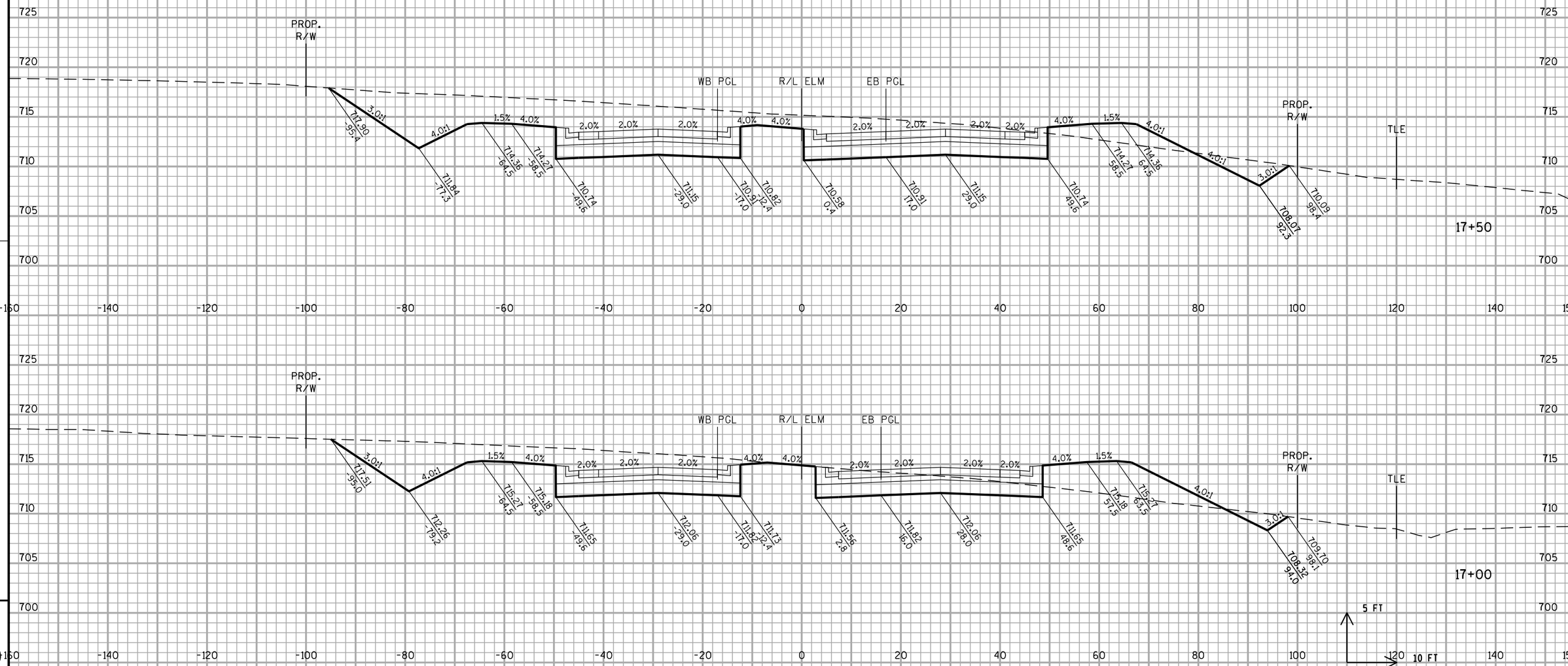


STA 15+50 TO 16+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: ELM ROAD	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090501_xs_elm.dgn PLOT DATE : 11-JUL-2018 22:18 PLOT BY : MSCD1S PLOT NAME : 090501_xs_elm4 PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

ALL WORK STAGE 2

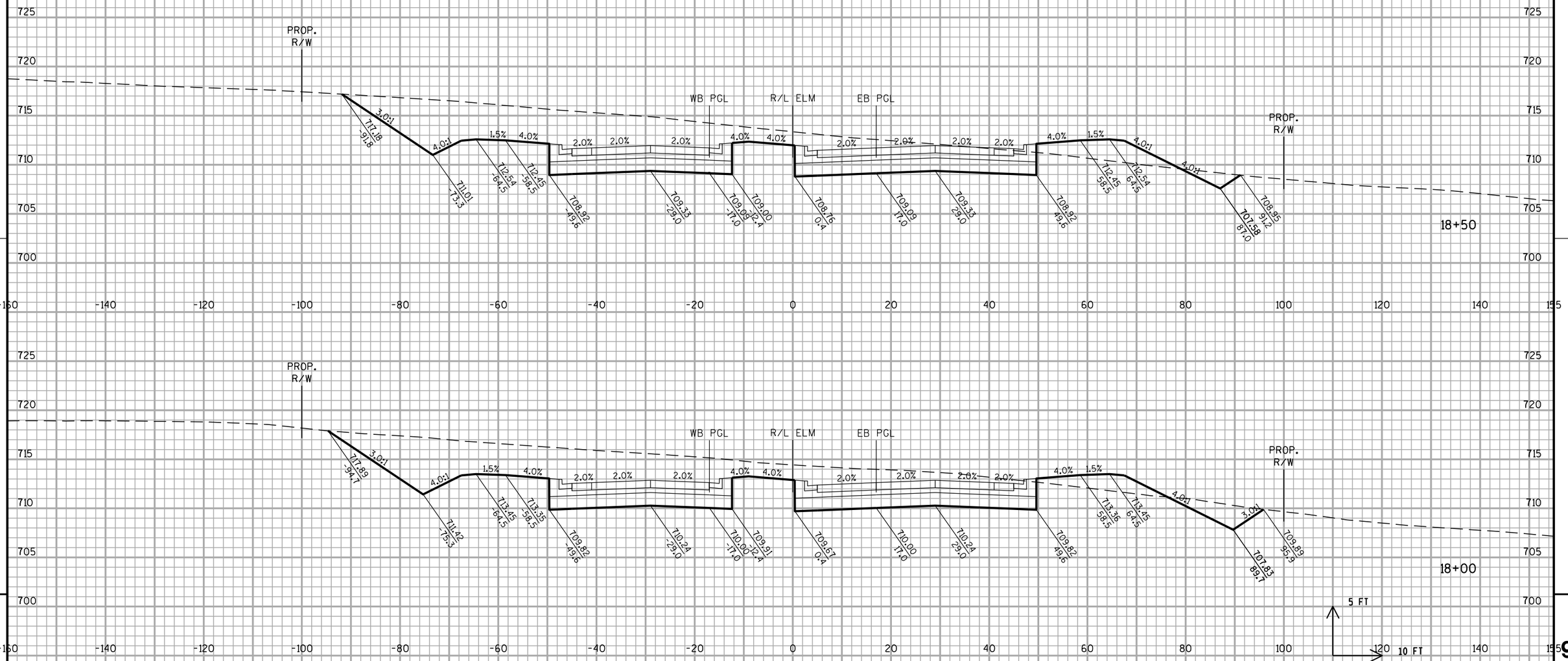


STA 17+00 TO 17+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: ELM ROAD	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090501_xs_elm.dgn PLOT DATE : 11-JUL-2018 22:18 PLOT BY : MSCD1S PLOT NAME : 090501_xs_elm5 PLOT SCALE : 20:1

ALL WORK STAGE 2

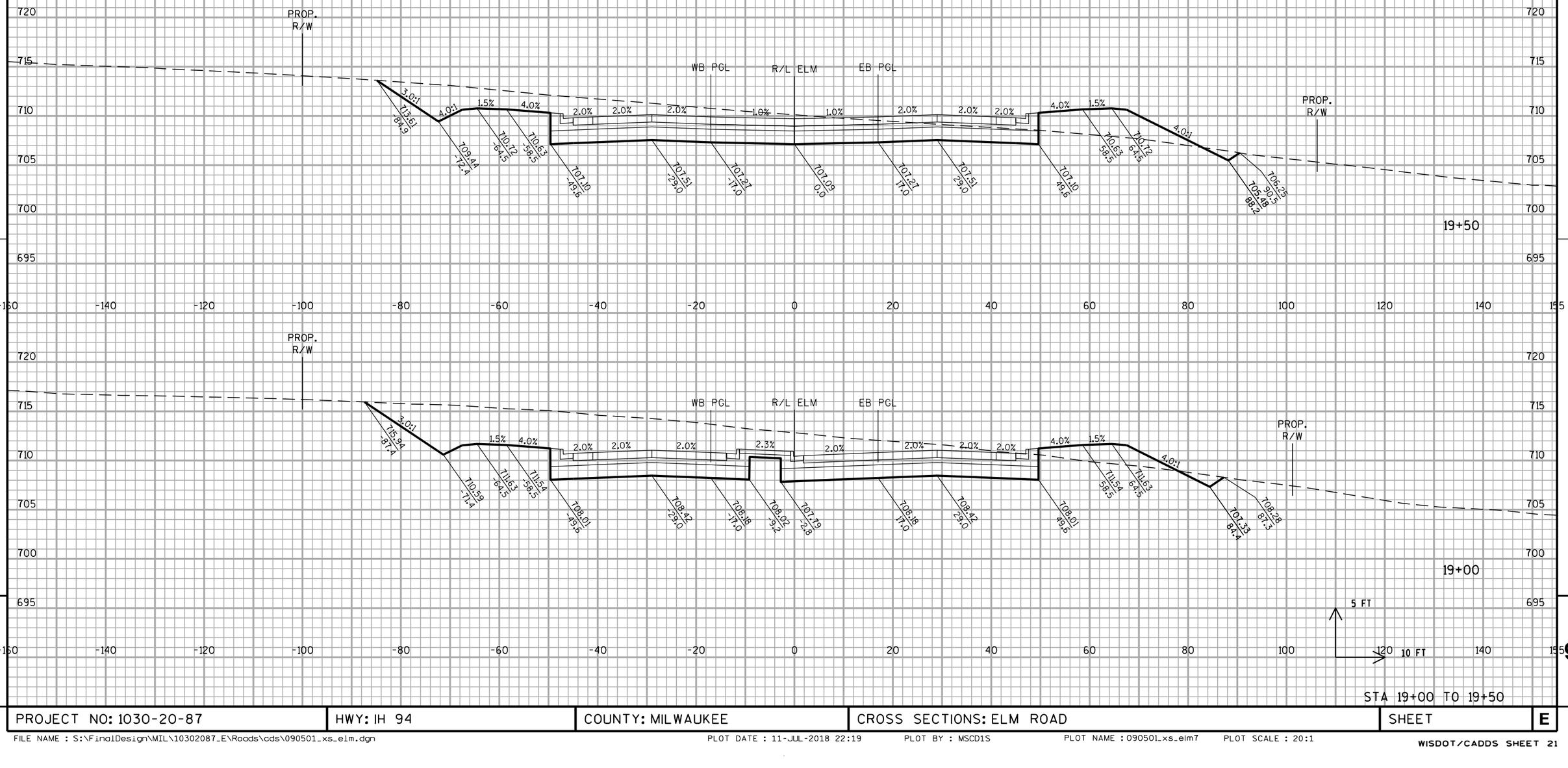


STA 18+00 TO 18+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: ELM ROAD	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090501_xs_elm.dgn PLOT DATE : 11-JUL-2018 22:19 PLOT BY : MSCD1S PLOT NAME : 090501_xs_elm6 PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

ALL WORK STAGE 2

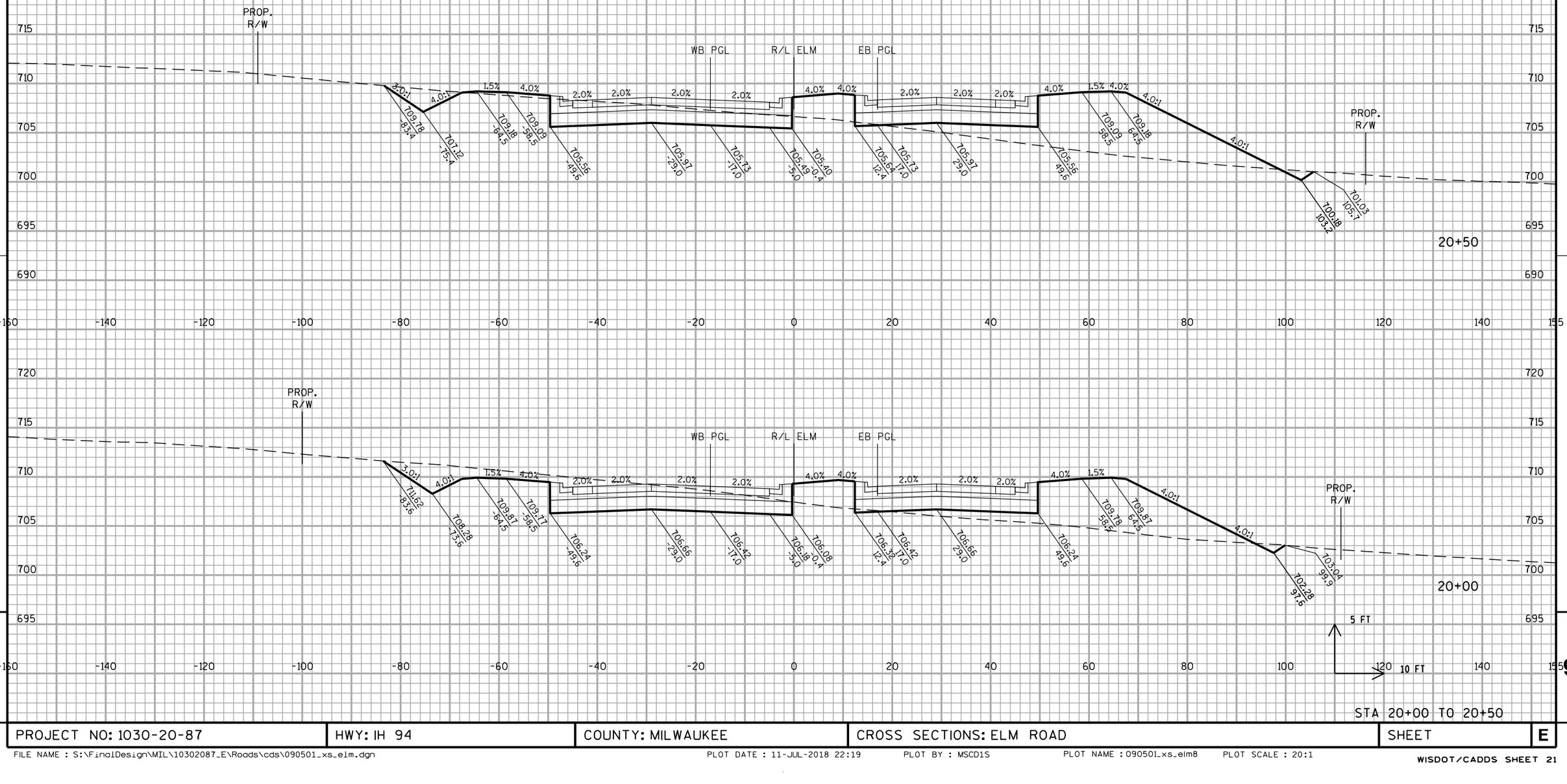


9

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: ELM ROAD	SHEET	E

STA 19+00 TO 19+50

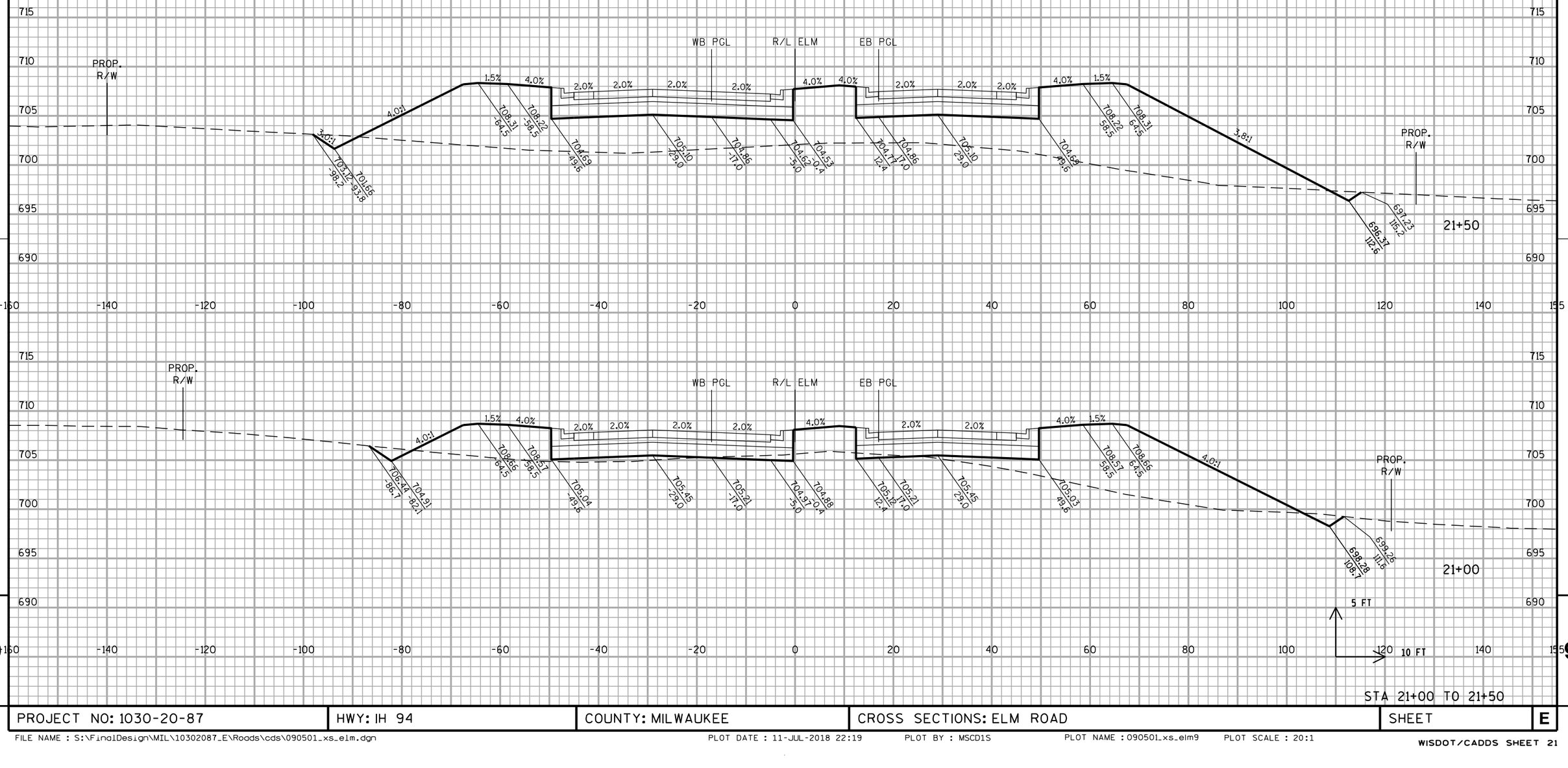
ALL WORK STAGE 2



STA 20+00 TO 20+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: ELM ROAD	SHEET	E

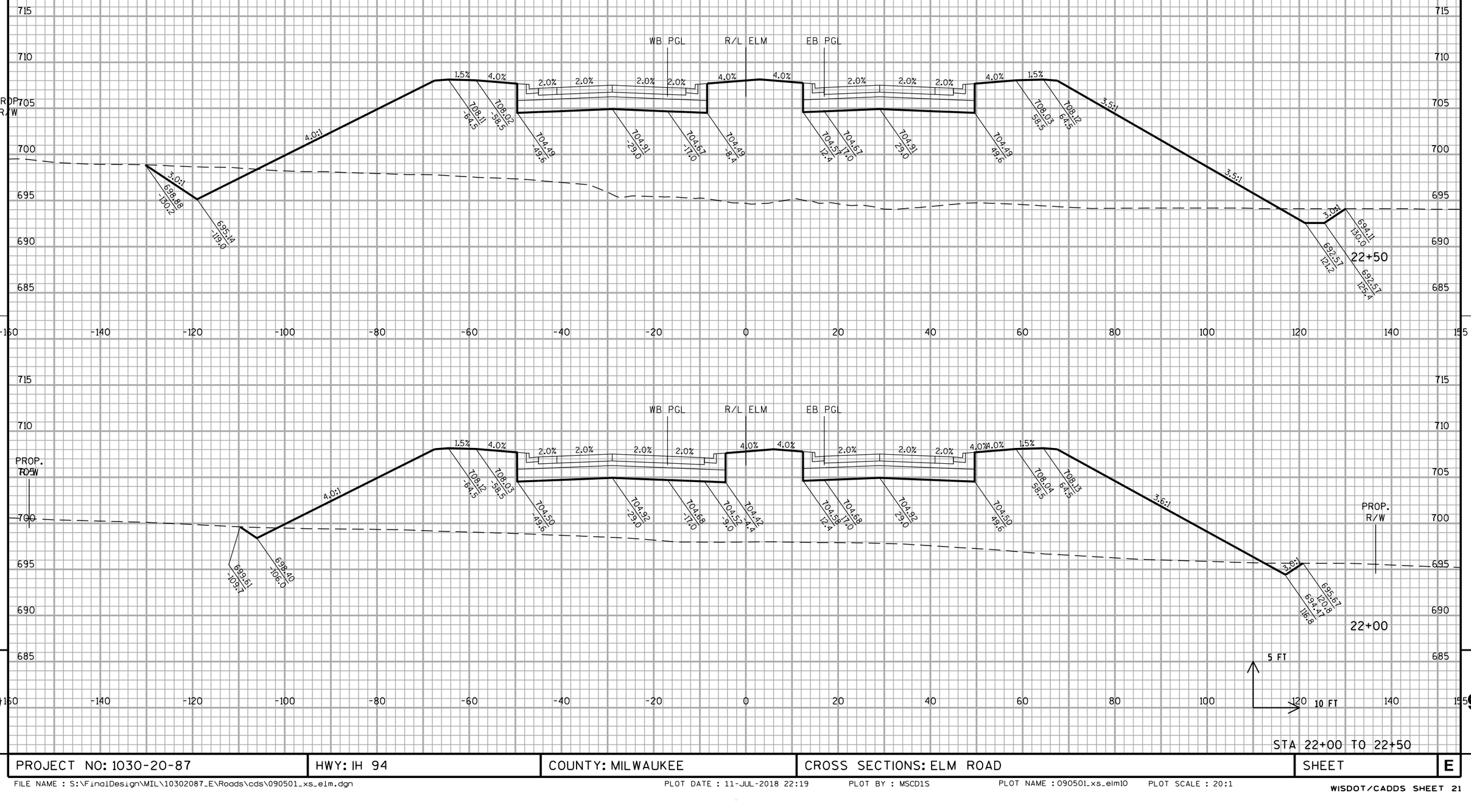
ALL WORK STAGE 2



STA 21+00 TO 21+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: ELM ROAD	SHEET	E

ALL WORK STAGE 2

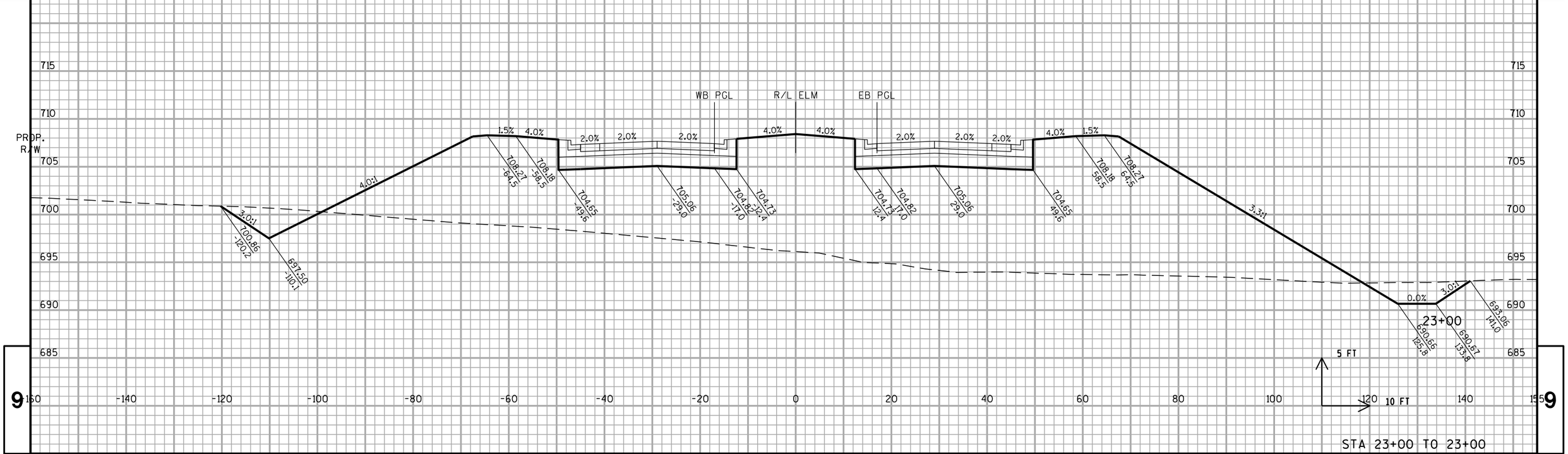


STA 22+00 TO 22+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: ELM ROAD	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090501_xs_elm.dgn PLOT DATE : 11-JUL-2018 22:19 PLOT BY : MSCD1S PLOT NAME : 090501_xs_elm10 PLOT SCALE : 20:1

ALL WORK STAGE 2

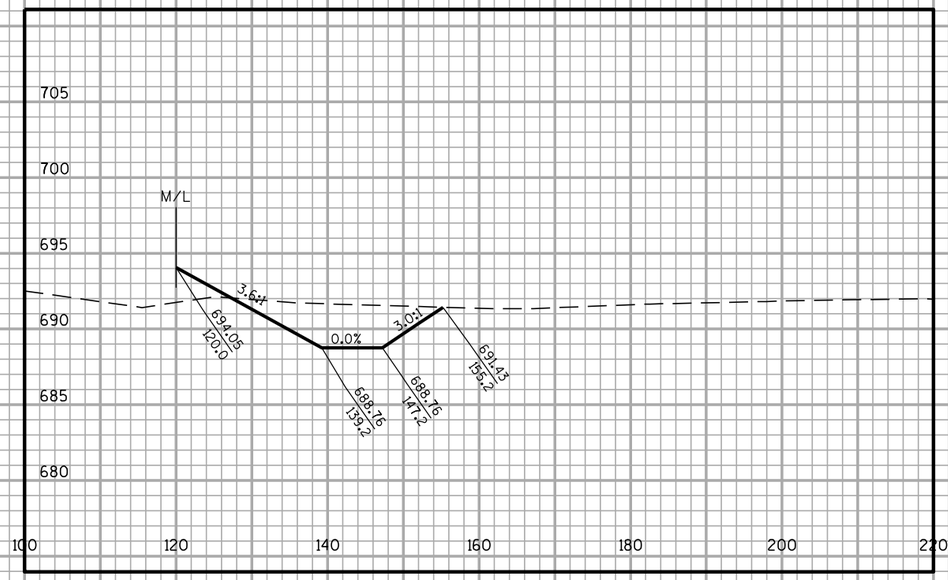


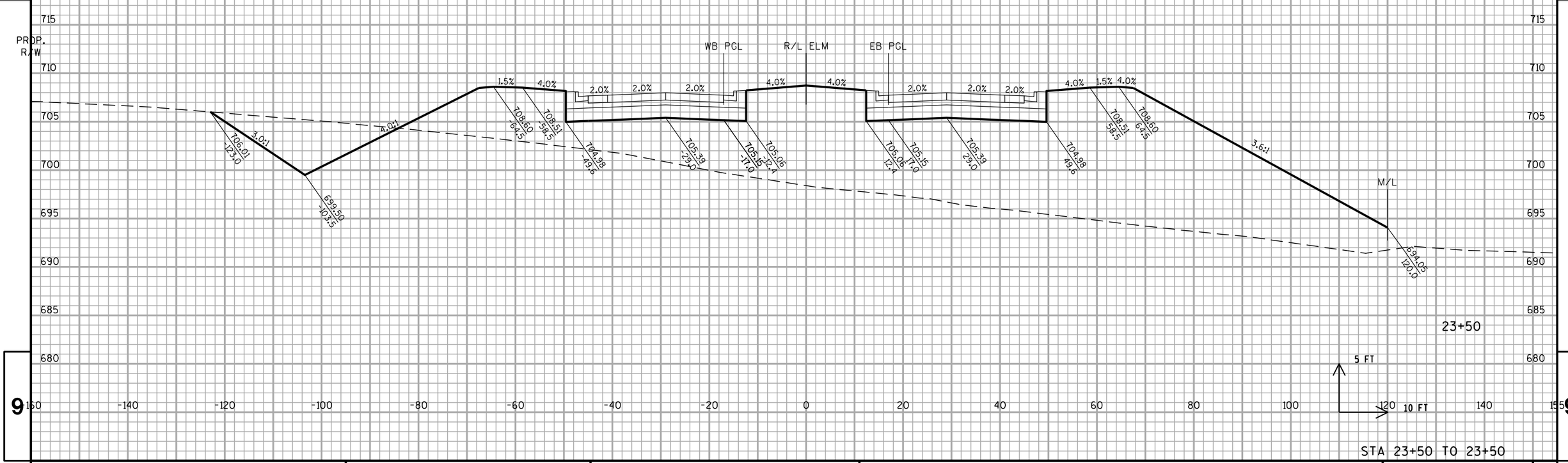
STA 23+00 TO 23+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: ELM ROAD	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090501_xs_elm.dgn PLOT DATE : 11-JUL-2018 22:19 PLOT BY : MSCD1S PLOT NAME : 090501_xs_elm11 PLOT SCALE : 20:1

ALL WORK STAGE 2



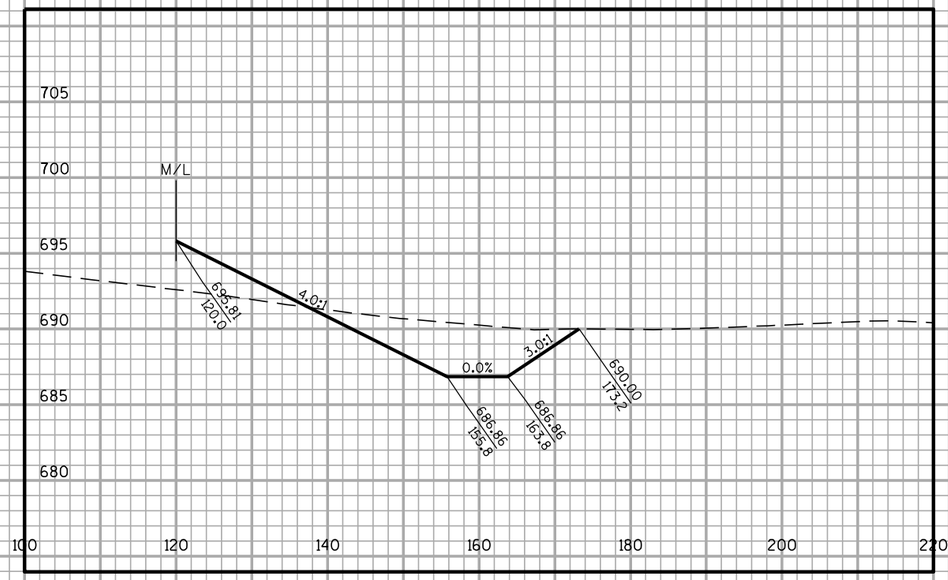


STA 23+50 TO 23+50

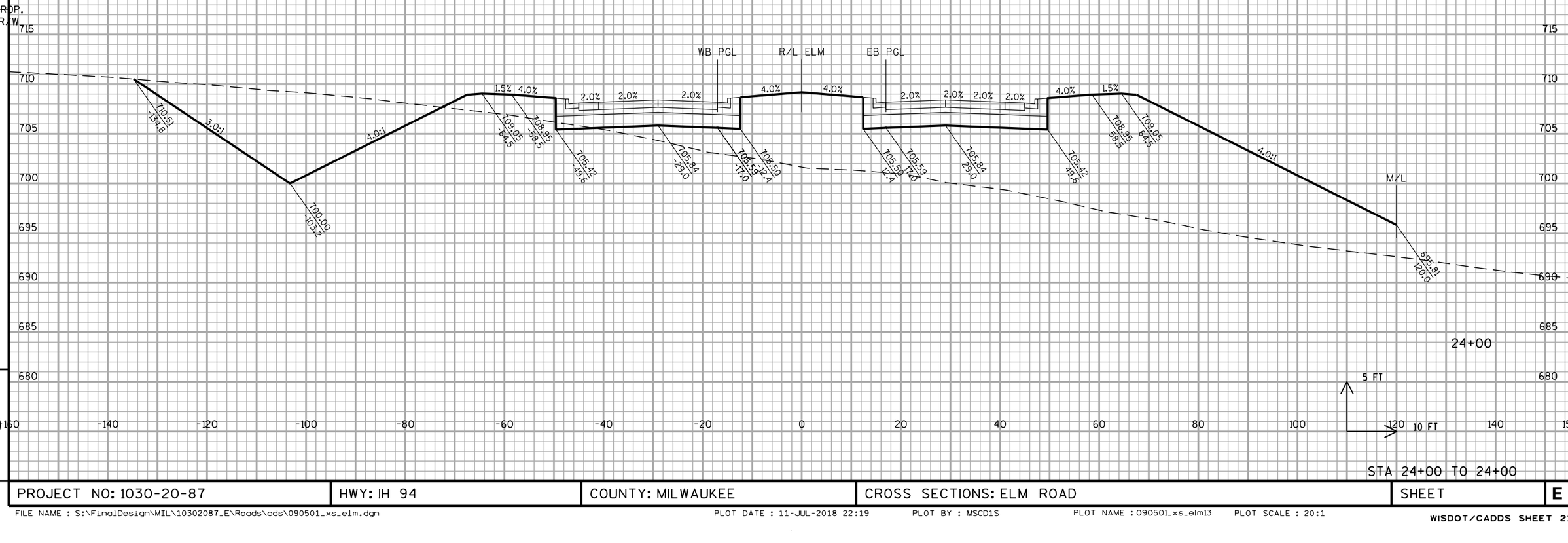
PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: ELM ROAD	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090501_xs_elm.dgn PLOT DATE : 11-JUL-2018 22:19 PLOT BY : MSCD1S PLOT NAME : 090501_xs_elm12 PLOT SCALE : 20:1

ALL WORK STAGE 2



PROP. R/W



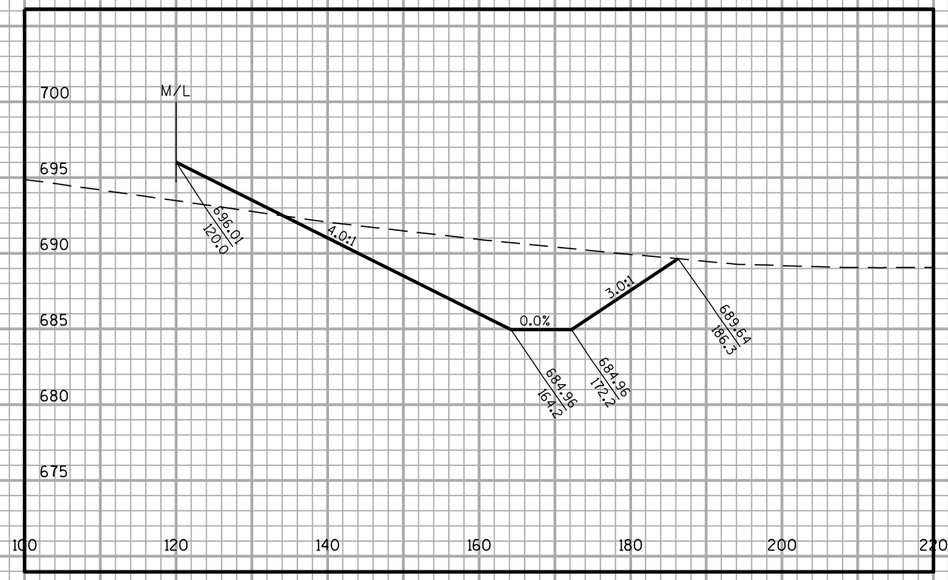
STA 24+00 TO 24+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: ELM ROAD	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090501_xs_elm.dgn PLOT DATE : 11-JUL-2018 22:19 PLOT BY : MSCD1S PLOT NAME : 090501_xs_elm13 PLOT SCALE : 20:1

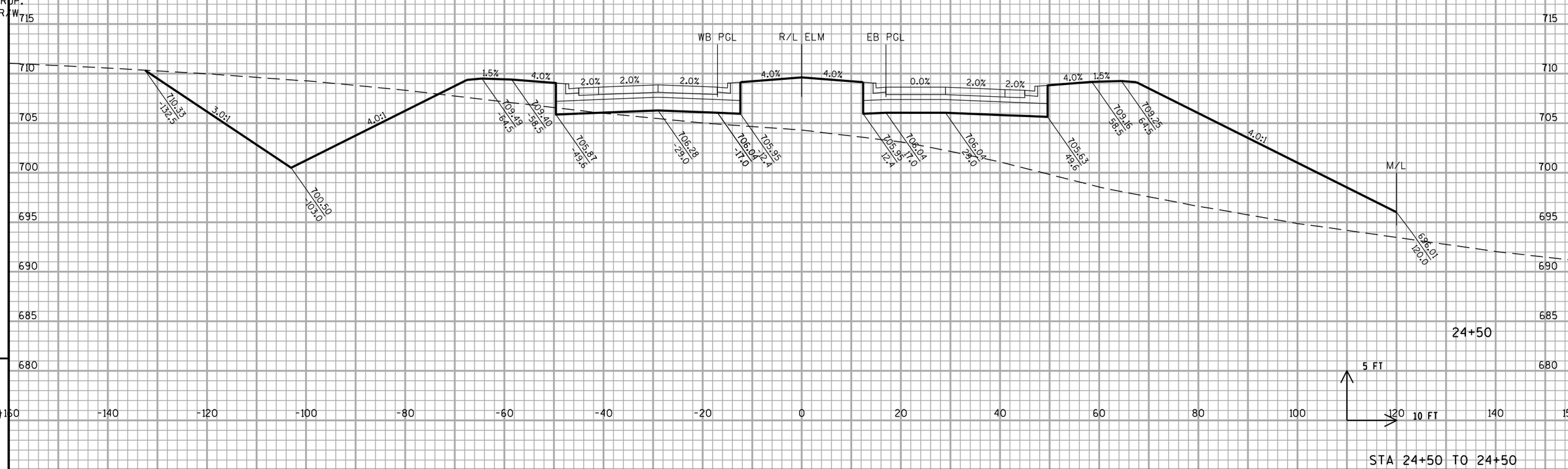
WISDOT/CADDS SHEET 21

ALL WORK STAGE 2



PROP. R/W

WB PGL R/L ELM EB PGL



24+50

5 FT

10 FT

STA 24+50 TO 24+50

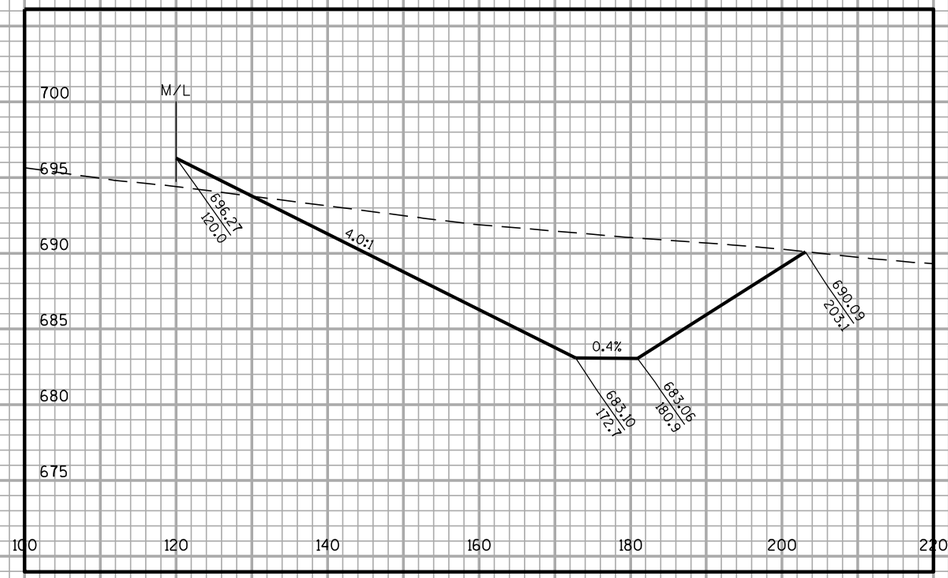
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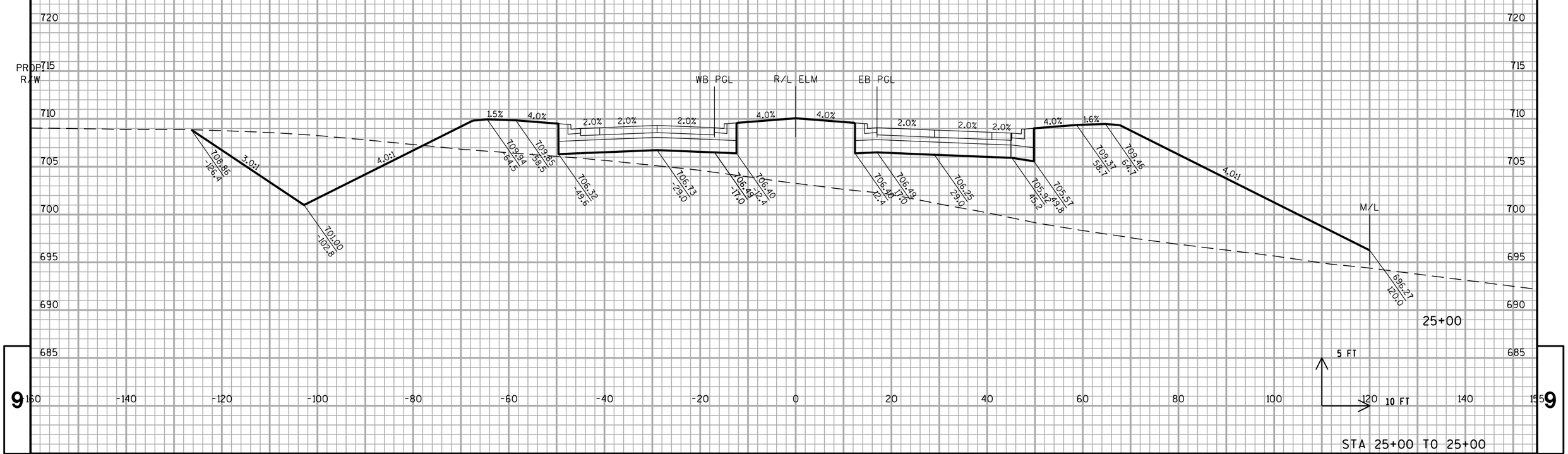
PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: ELM ROAD	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090501_xs_elm.dgn PLOT DATE : 11-JUL-2018 22:19 PLOT BY : MSCD1S PLOT NAME : 090501_xs_elm14 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 2

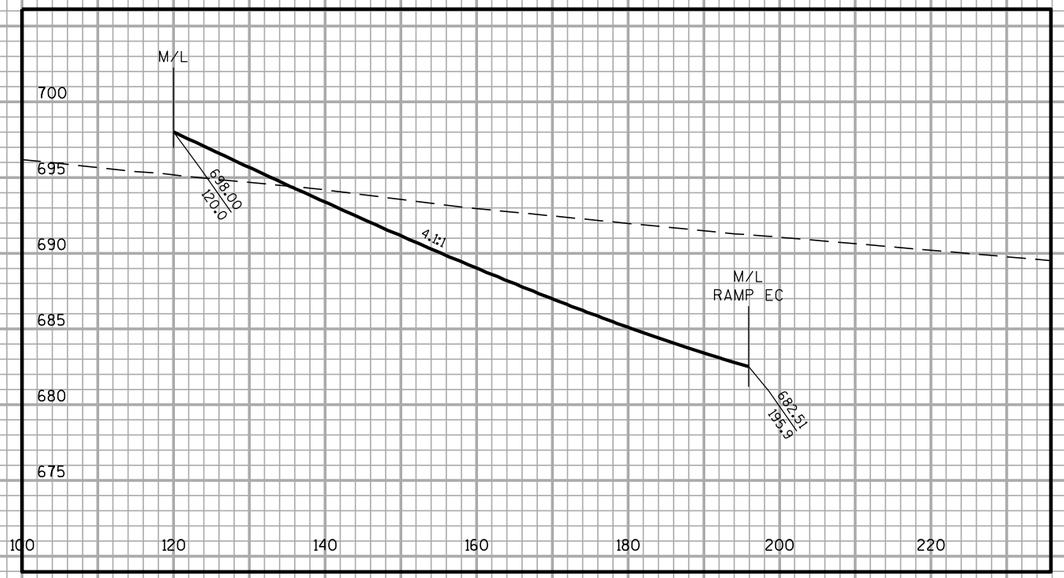


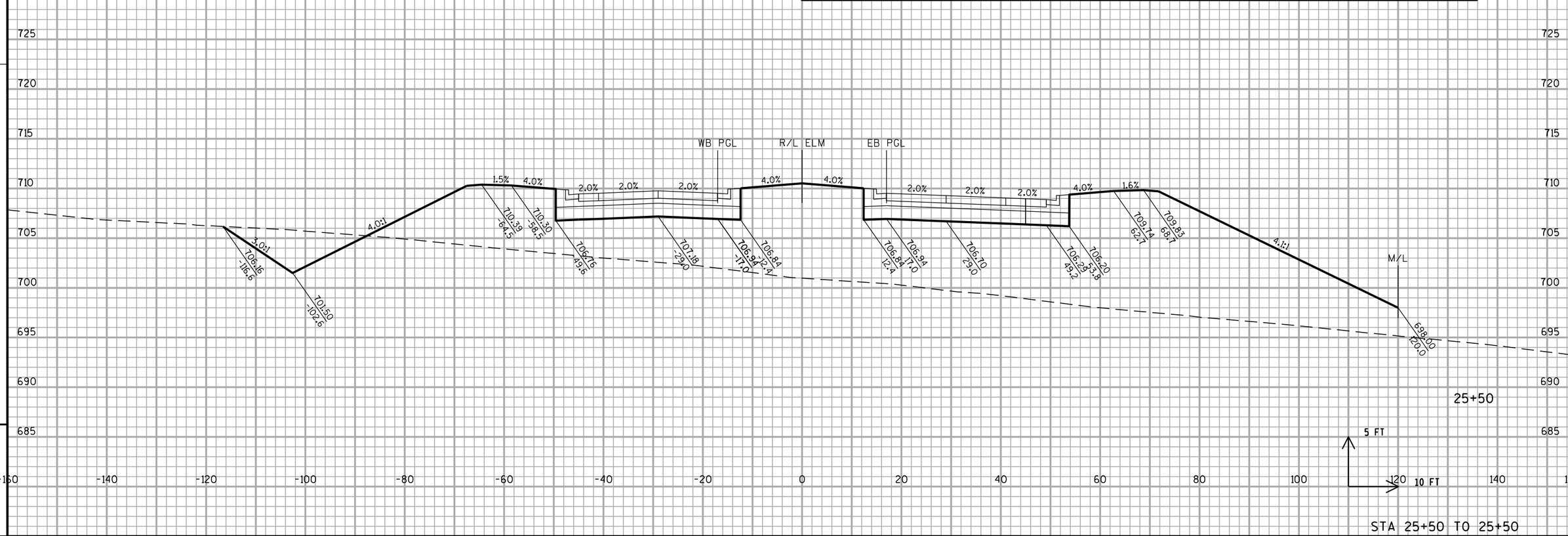


STA 25+00 TO 25+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: ELM ROAD	SHEET	E

ALL WORK STAGE 2



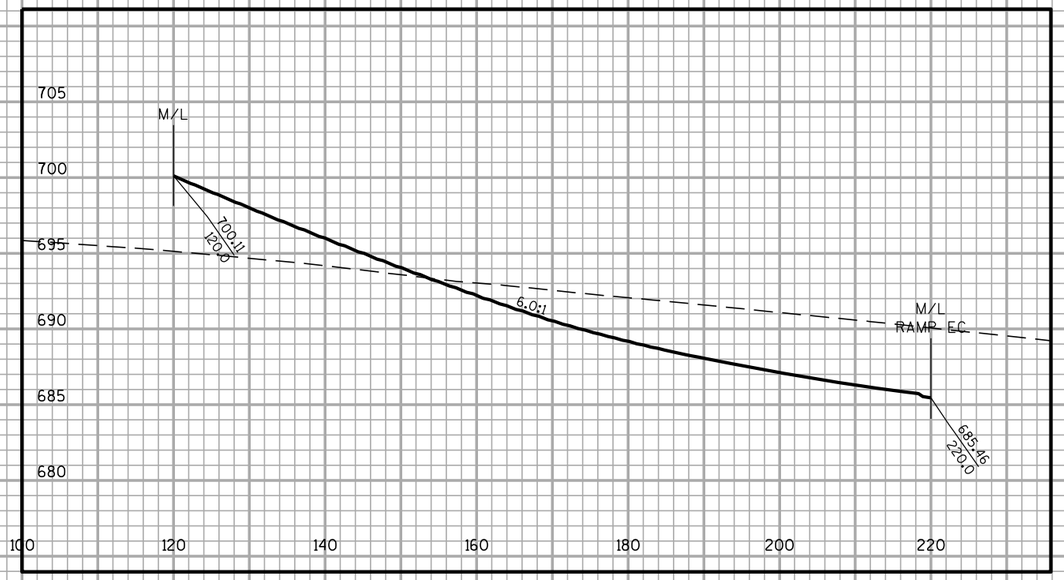


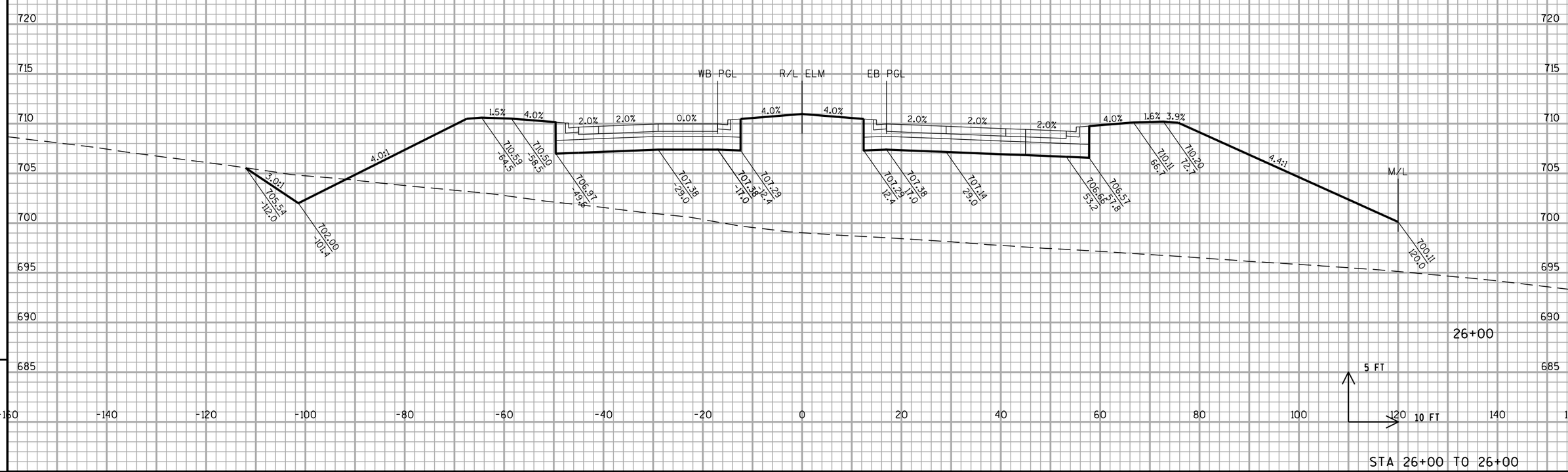
STA 25+50 TO 25+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: ELM ROAD	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090501_xs_elm.dgn PLOT DATE : 11-JUL-2018 22:19 PLOT BY : MSCD1S PLOT NAME : 090501_xs_elm16 PLOT SCALE : 20:1

ALL WORK STAGE 2



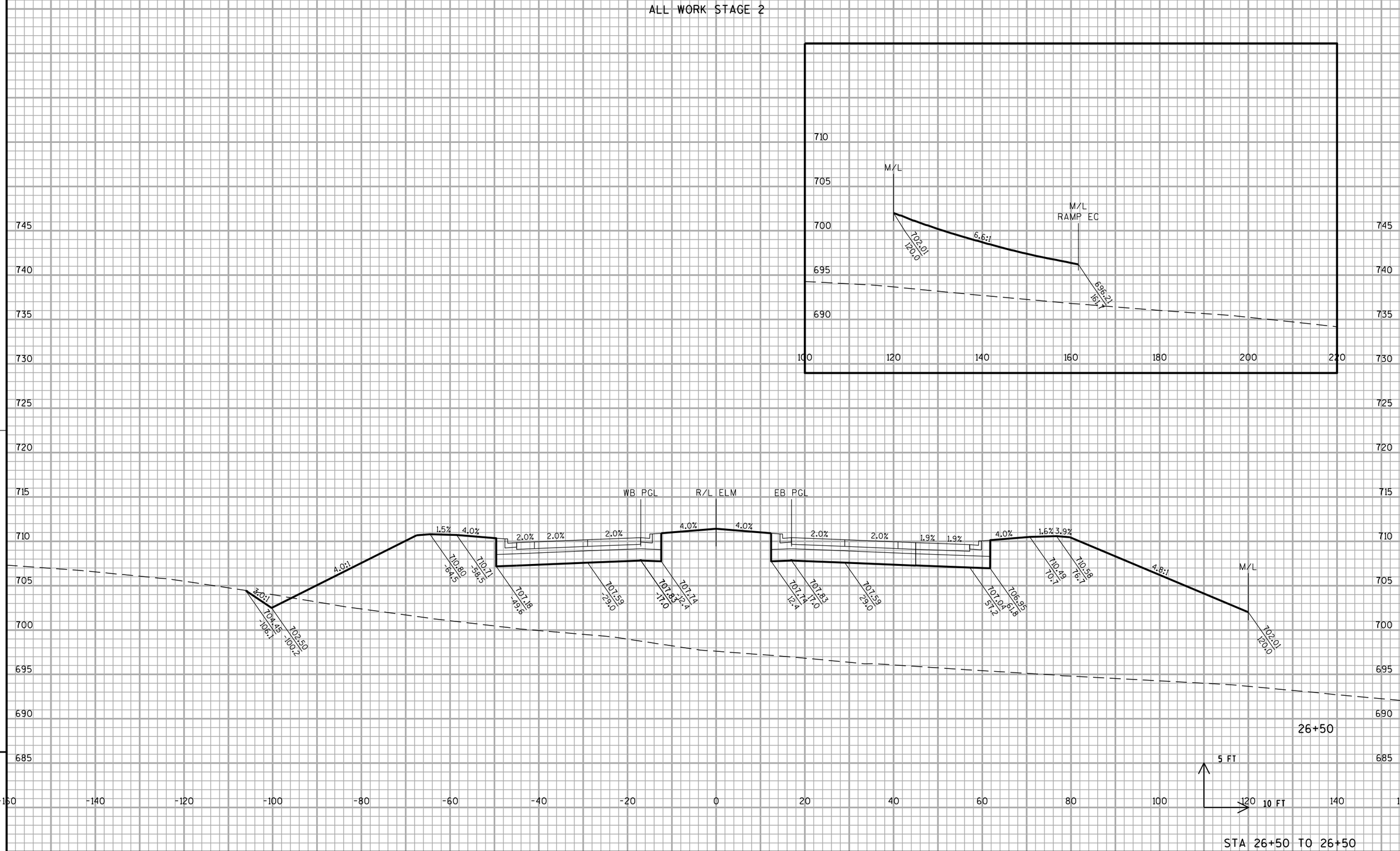


STA 26+00 TO 26+00

9 9

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: ELM ROAD	SHEET	E

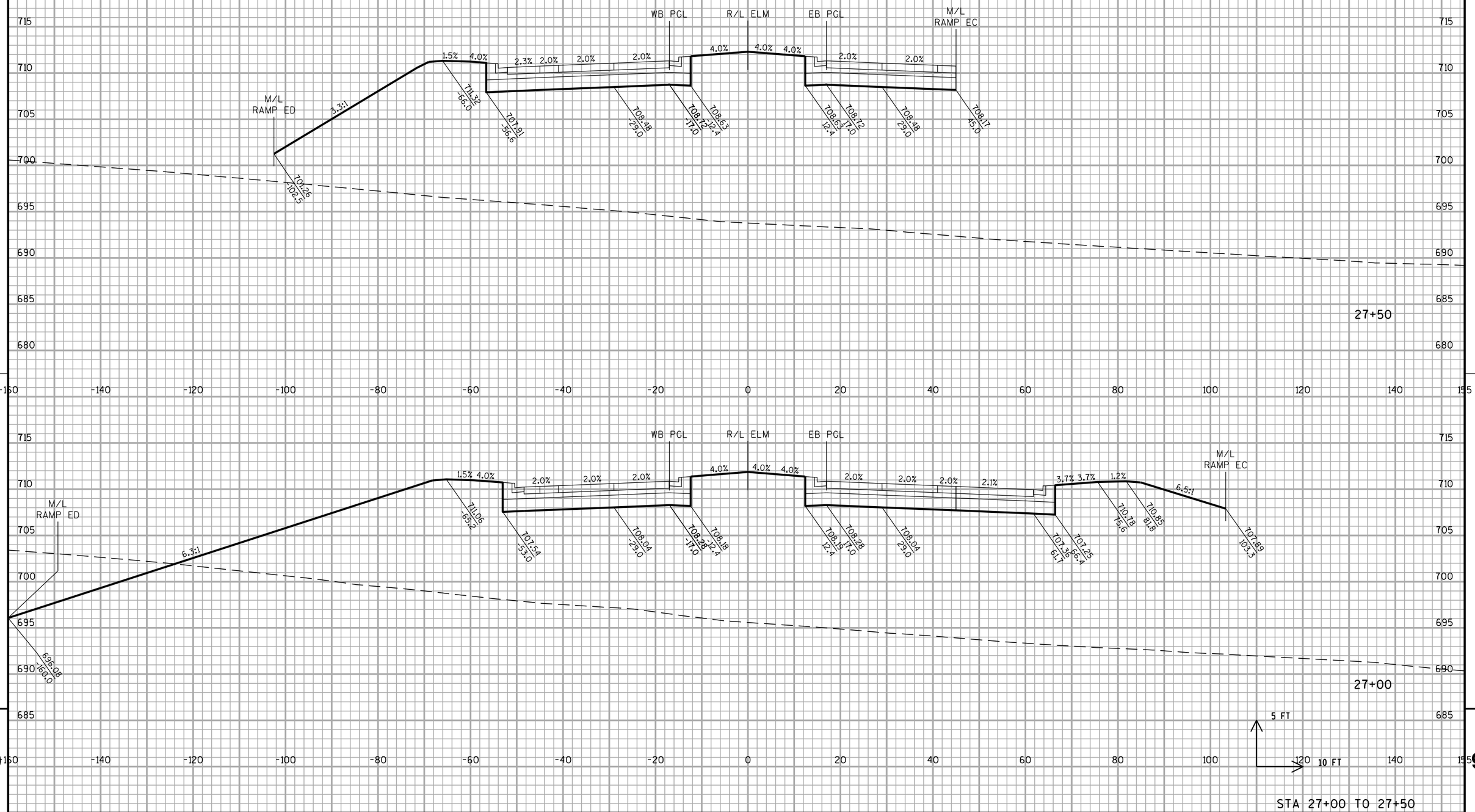
ALL WORK STAGE 2



STA 26+50 TO 26+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: ELM ROAD	SHEET	E

ALL WORK STAGE 2



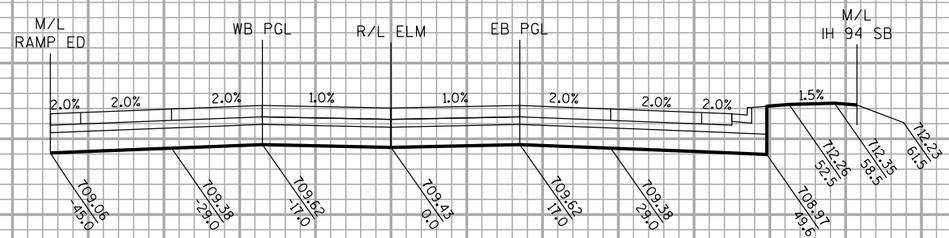
STA 27+00 TO 27+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: ELM ROAD	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090501_xs_elm.dgn PLOT DATE : 11-JUL-2018 22:19 PLOT BY : MSCD1S PLOT NAME : 090501_xs_elm19 PLOT SCALE : 20:1

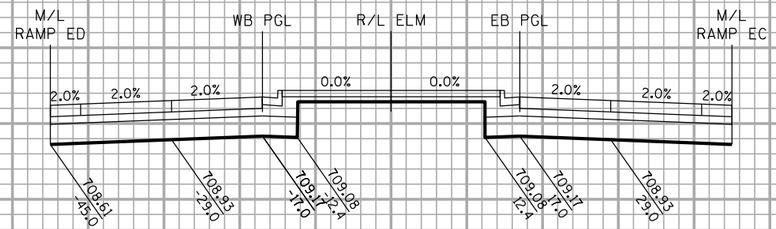
WISDOT/CADDS SHEET 21

ALL WORK STAGE 2



EXIST. R/W

28+50



EXIST. R/W

28+00

5 FT

10 FT

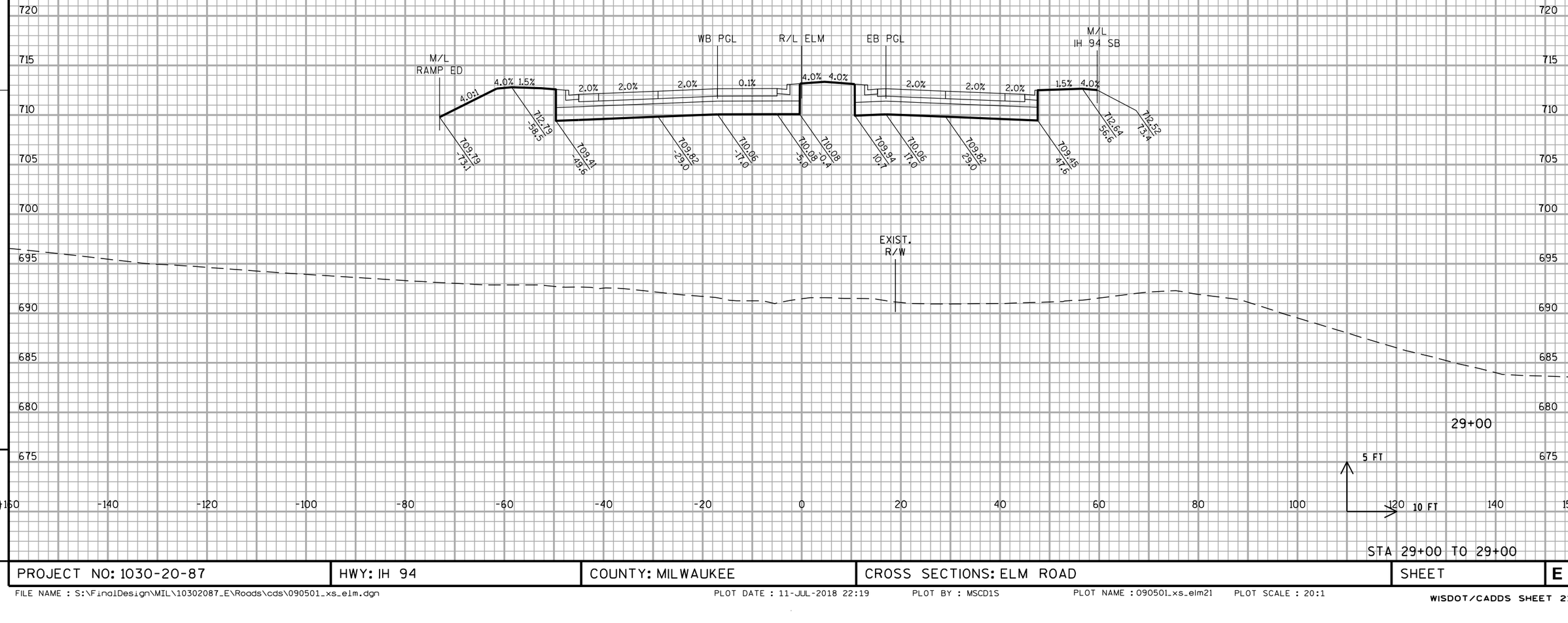
STA 28+00 TO 28+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: ELM ROAD	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090501_xs_elm.dgn PLOT DATE : 11-JUL-2018 22:19 PLOT BY : MSCD1S PLOT NAME : 090501_xs_elm20 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 2



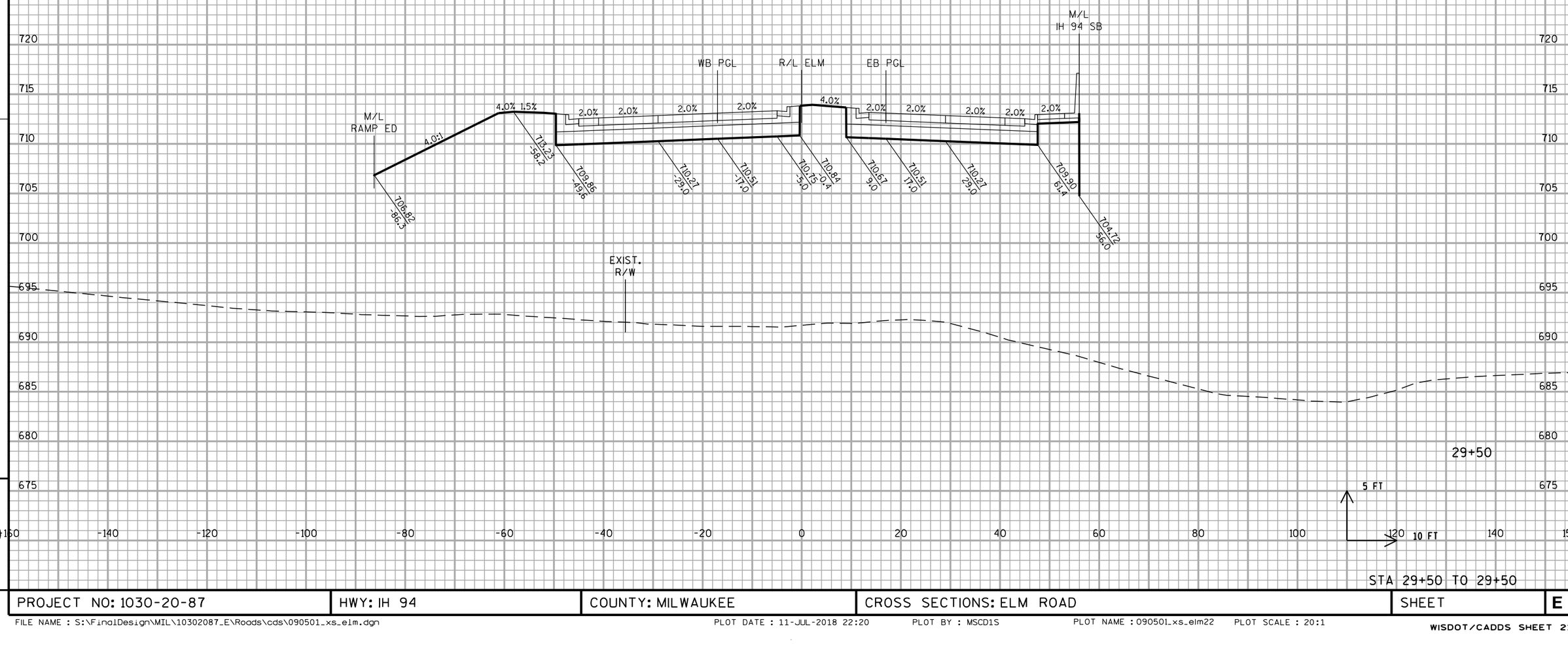
STA 29+00 TO 29+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: ELM ROAD	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090501_xs_elm.dgn PLOT DATE : 11-JUL-2018 22:19 PLOT BY : MSCD1S PLOT NAME : 090501_xs_elm21 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

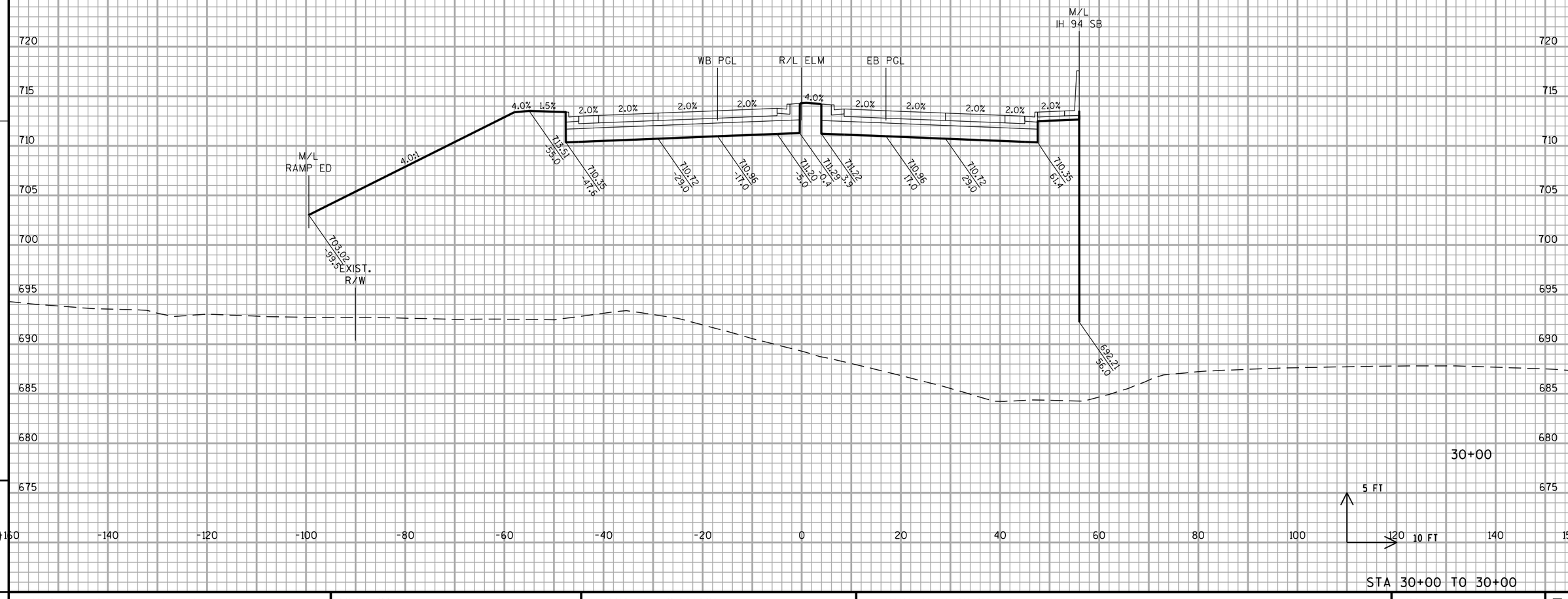
ALL WORK STAGE 2



STA 29+50 TO 29+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: ELM ROAD	SHEET	E

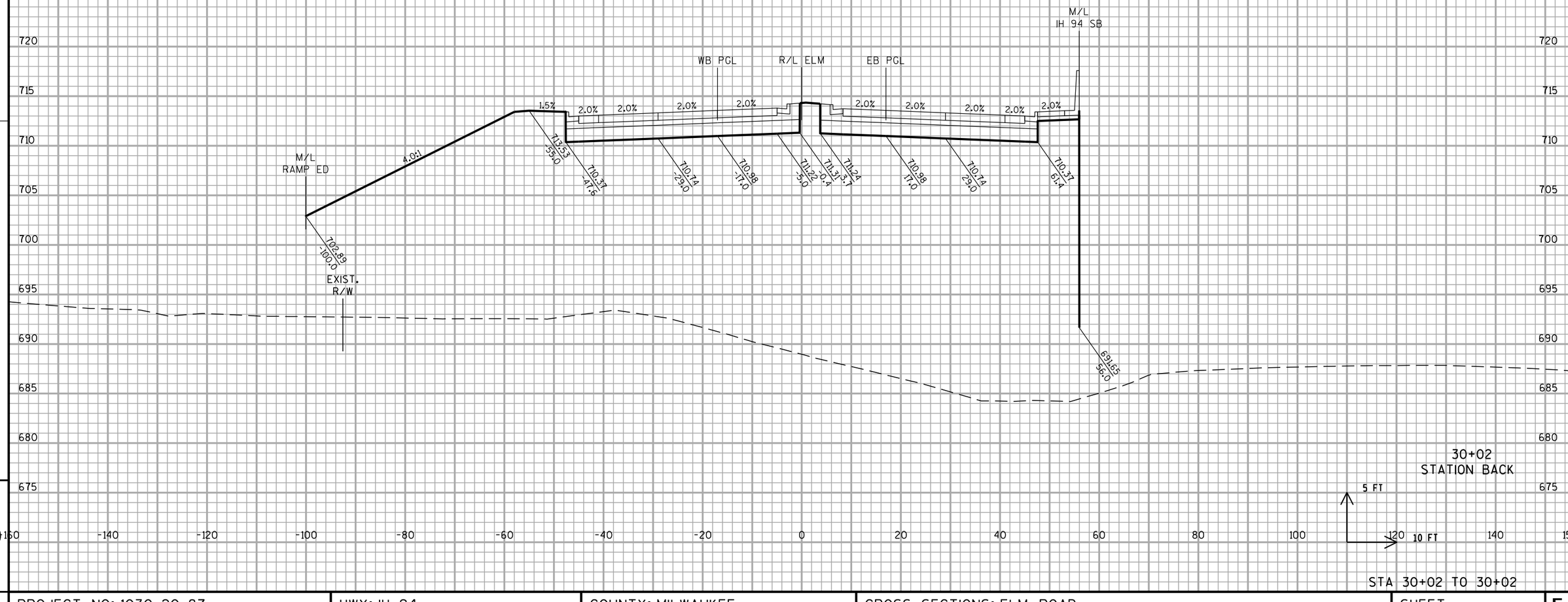
ALL WORK STAGE 2



STA 30+00 TO 30+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: ELM ROAD	SHEET	E

ALL WORK STAGE 2



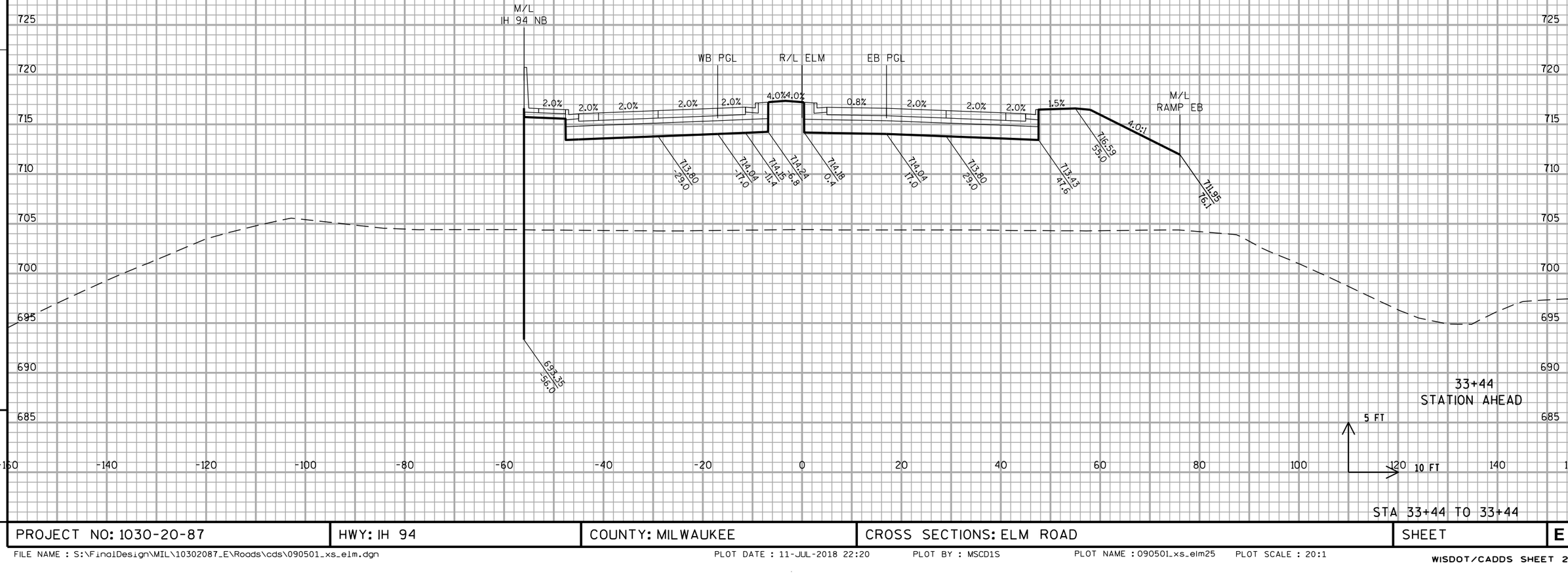
STA 30+02 TO 30+02

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: ELM ROAD	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090501_xs_elm.dgn PLOT DATE : 11-JUL-2018 22:20 PLOT BY : MSCD1S PLOT NAME : 090501_xs_elm24 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

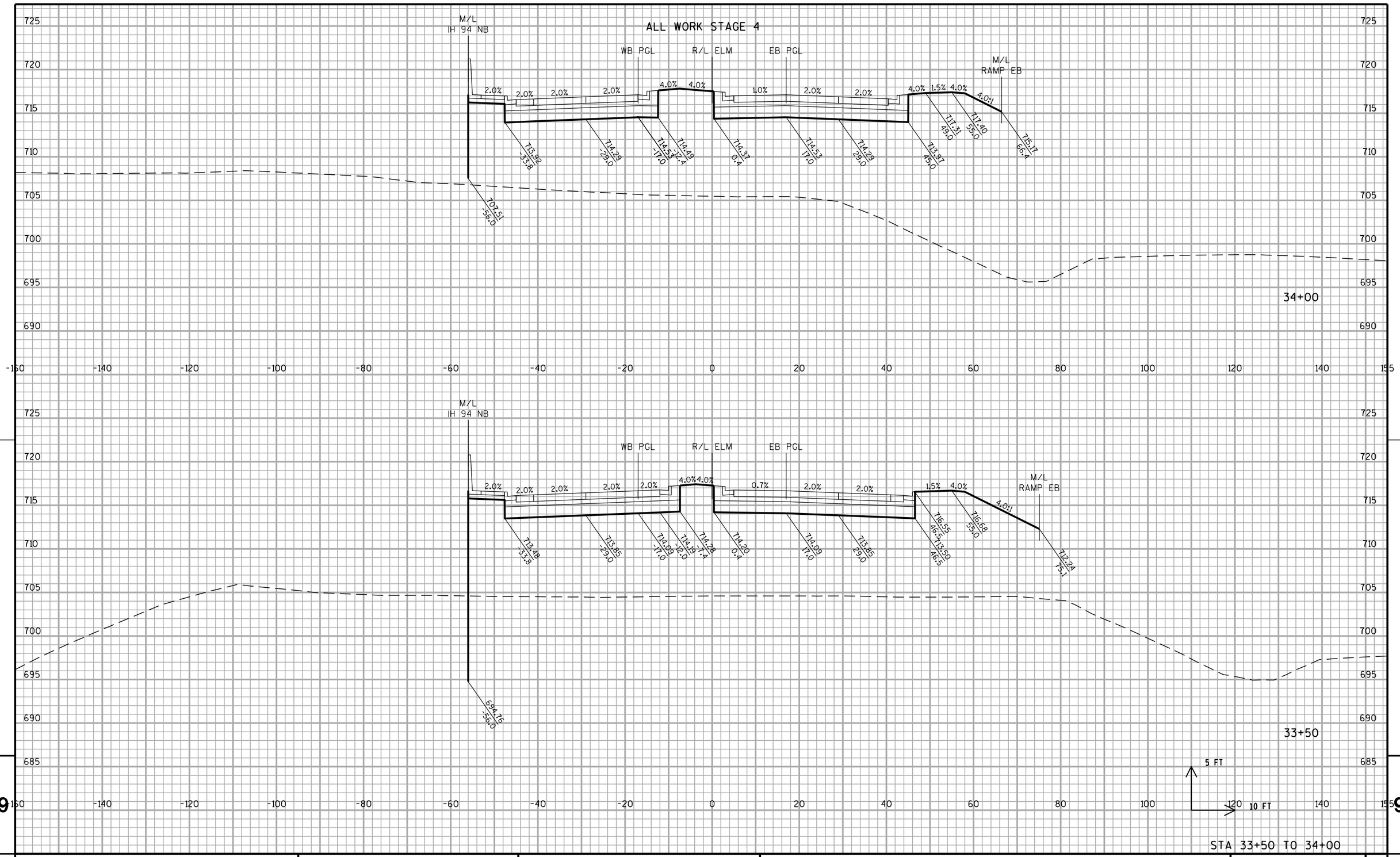
ALL WORK STAGE 4



STA 33+44 TO 33+44

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: ELM ROAD	SHEET	E

ALL WORK STAGE 4

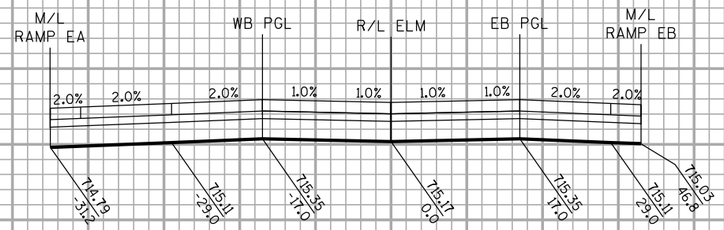


STA 33+50 TO 34+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: ELM ROAD	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090501_xs_elm.dgn PLOT DATE : 11-JUL-2018 22:20 PLOT BY : MSCD1S PLOT NAME : 090501_xs_elm26 PLOT SCALE : 20:1

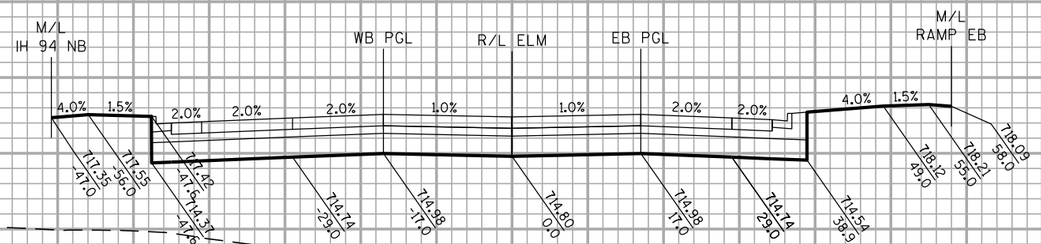
ALL WORK STAGE 4



720 715 710 705 700 695 690

-160 -140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140 155

34+92
STATION BACK



720 715 710 705 700 695 690

-160 -140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140 155

34+50

5 FT
10 FT

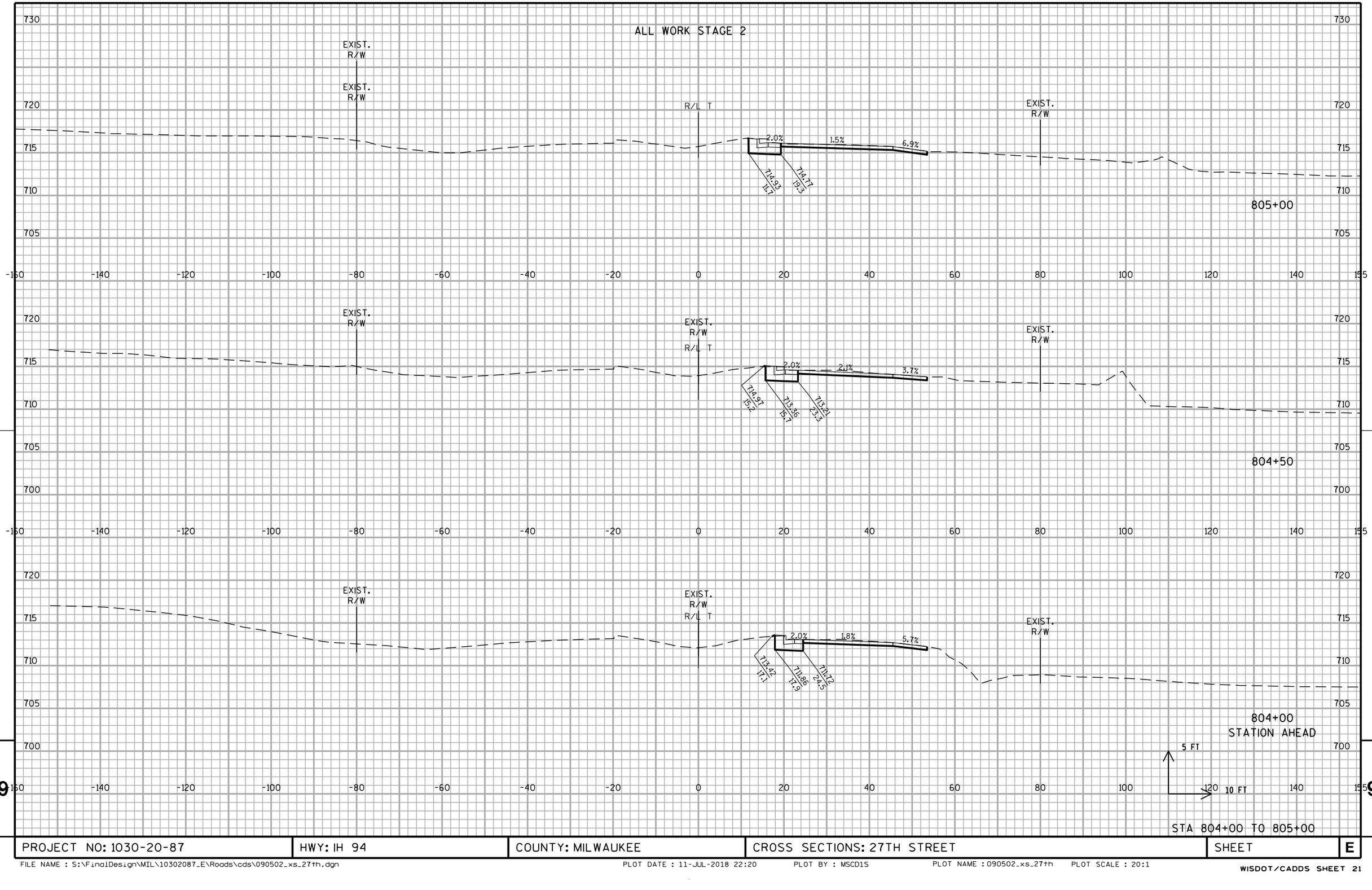
STA 34+50 TO 34+92

9 9

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: ELM ROAD	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090501_xs_elm.dgn PLOT DATE : 11-JUL-2018 22:20 PLOT BY : MSCD1S PLOT NAME : 090501_xs_elm27 PLOT SCALE : 20:1

ALL WORK STAGE 2

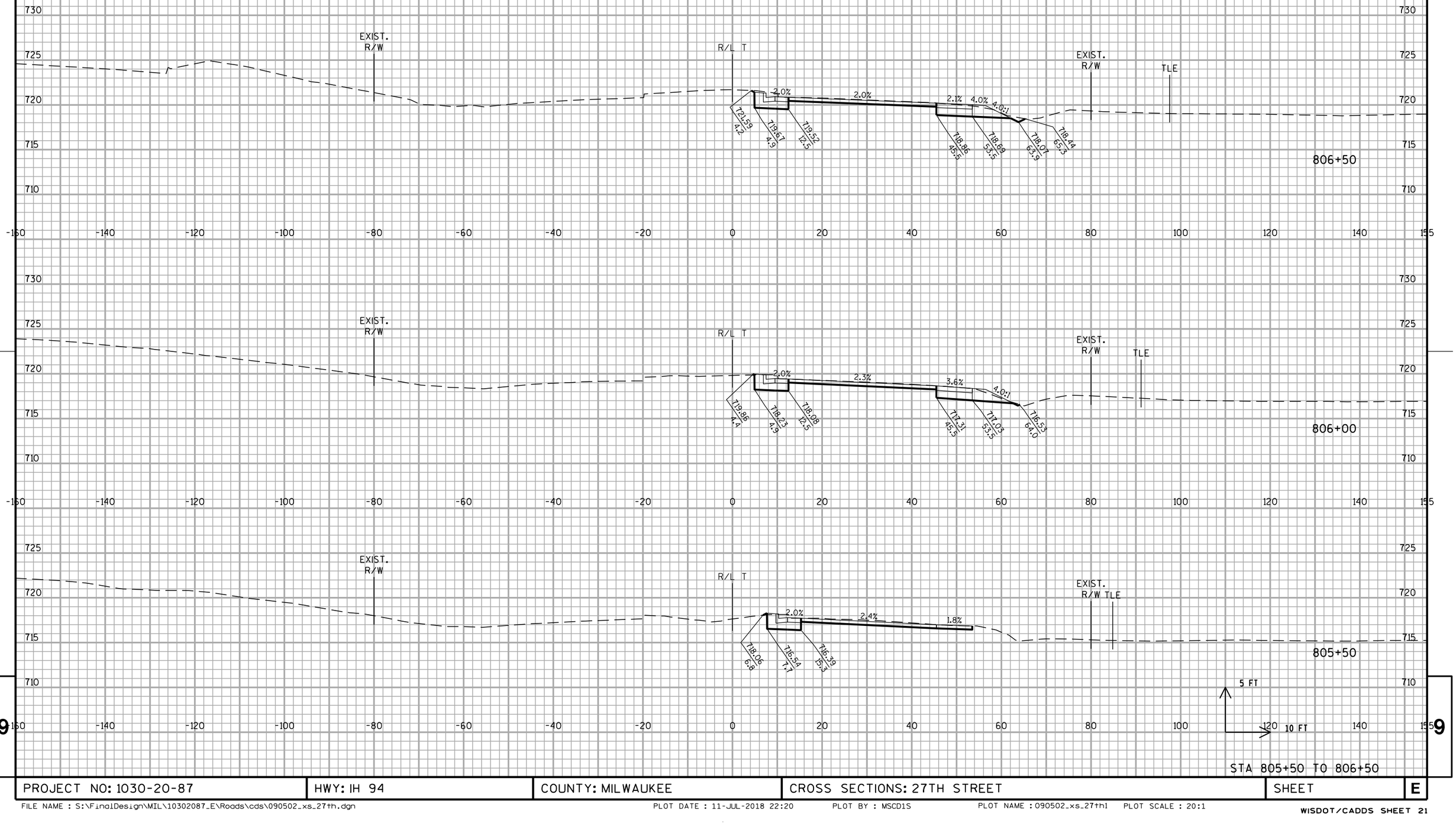


PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: 27TH STREET	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090502_xs_27th.dgn PLOT DATE : 11-JUL-2018 22:20 PLOT BY : MSCD1S PLOT NAME : 090502_xs_27th PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 2



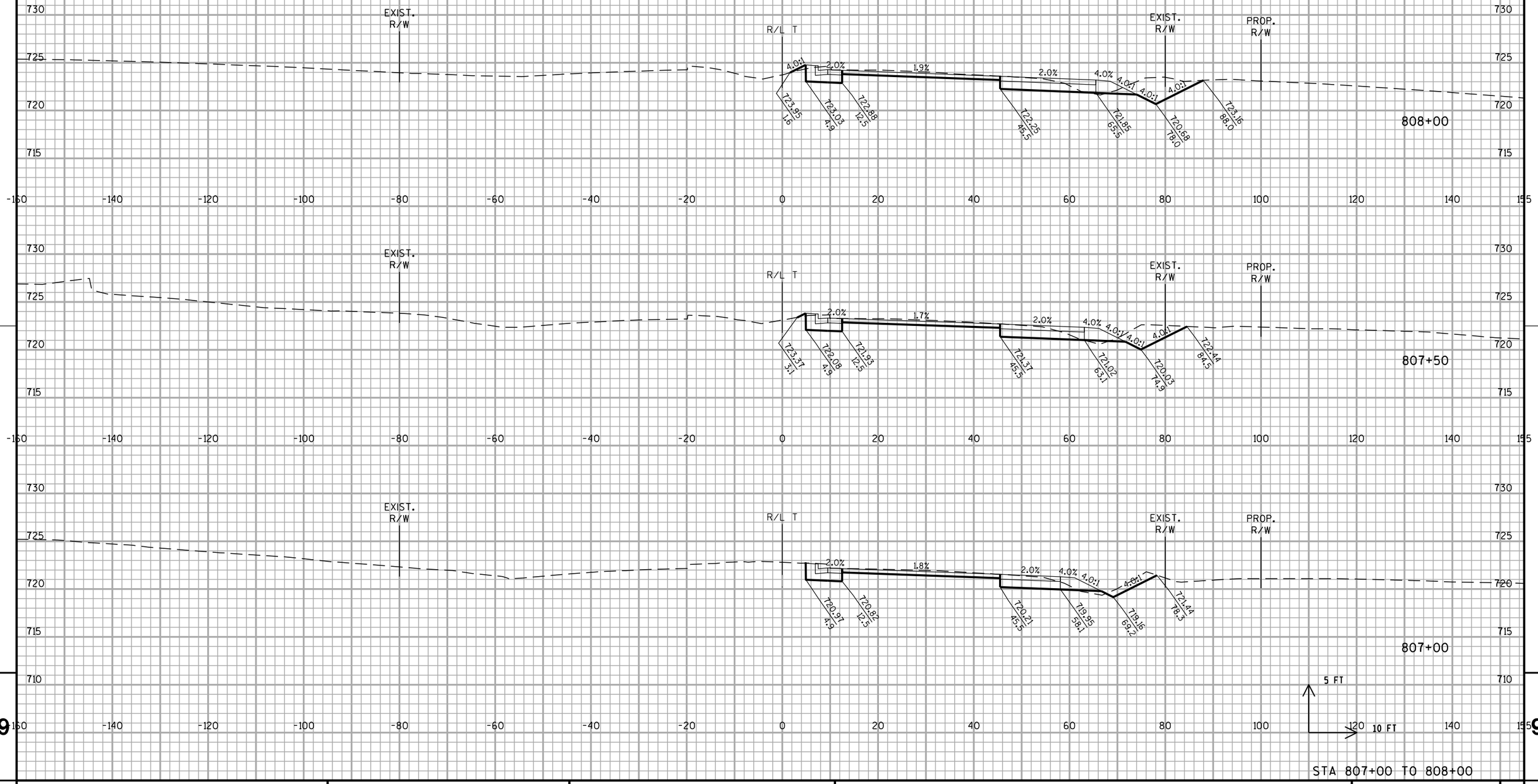
STA 805+50 TO 806+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: 27TH STREET	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090502_xs_27th.dgn PLOT DATE : 11-JUL-2018 22:20 PLOT BY : MSCD1S PLOT NAME : 090502_xs_27th1 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 2

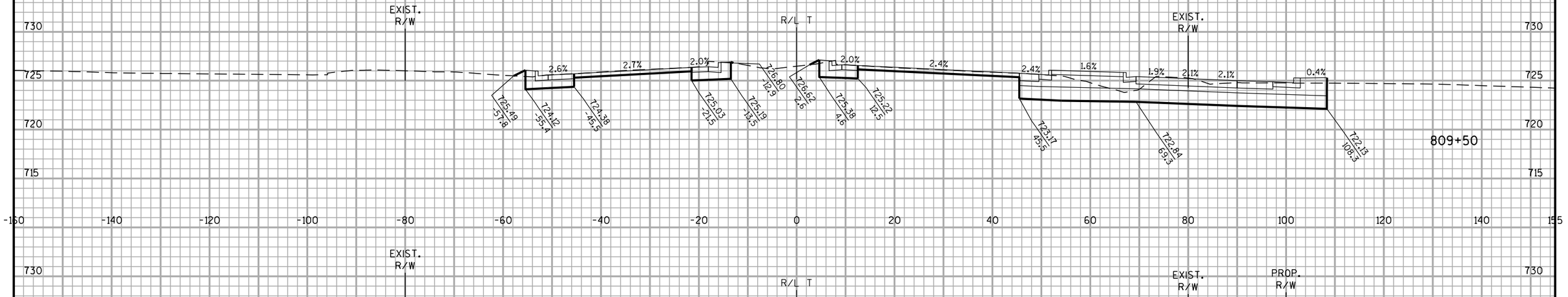


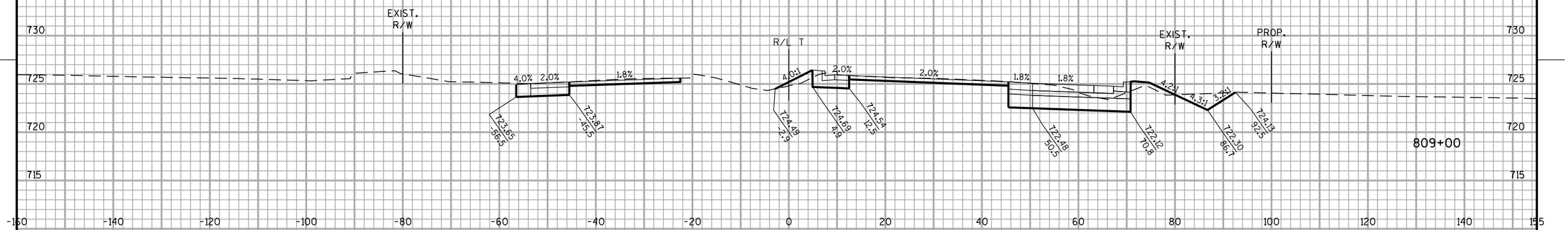
STA 807+00 TO 808+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: 27TH STREET	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090502_xs_27th.dgn PLOT DATE : 11-JUL-2018 22:20 PLOT BY : MSCD1S PLOT NAME : 090502_xs_27th2 PLOT SCALE : 20:1

ALL WORK STAGE 2

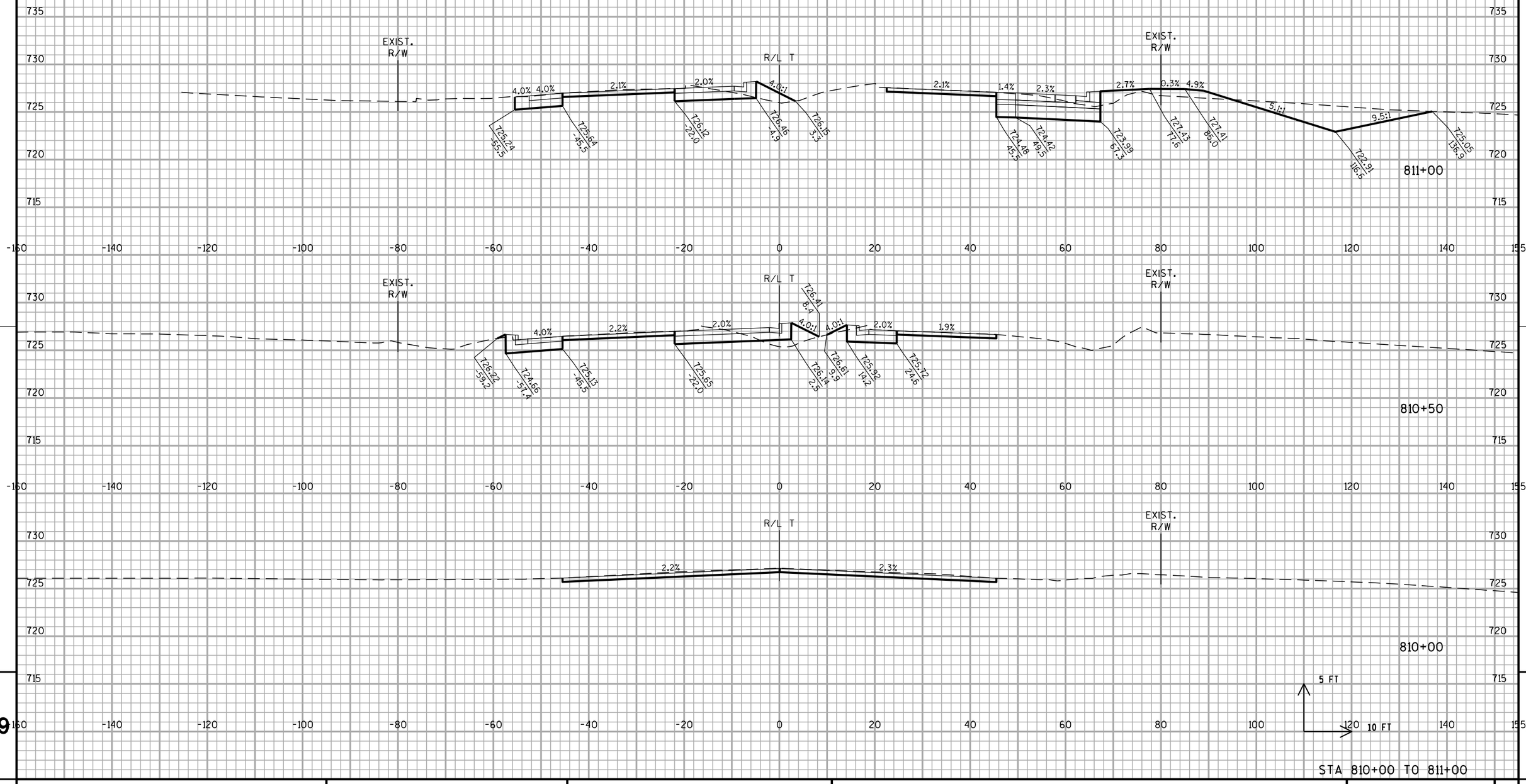




STA 808+50 TO 809+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: 27TH STREET	SHEET	E

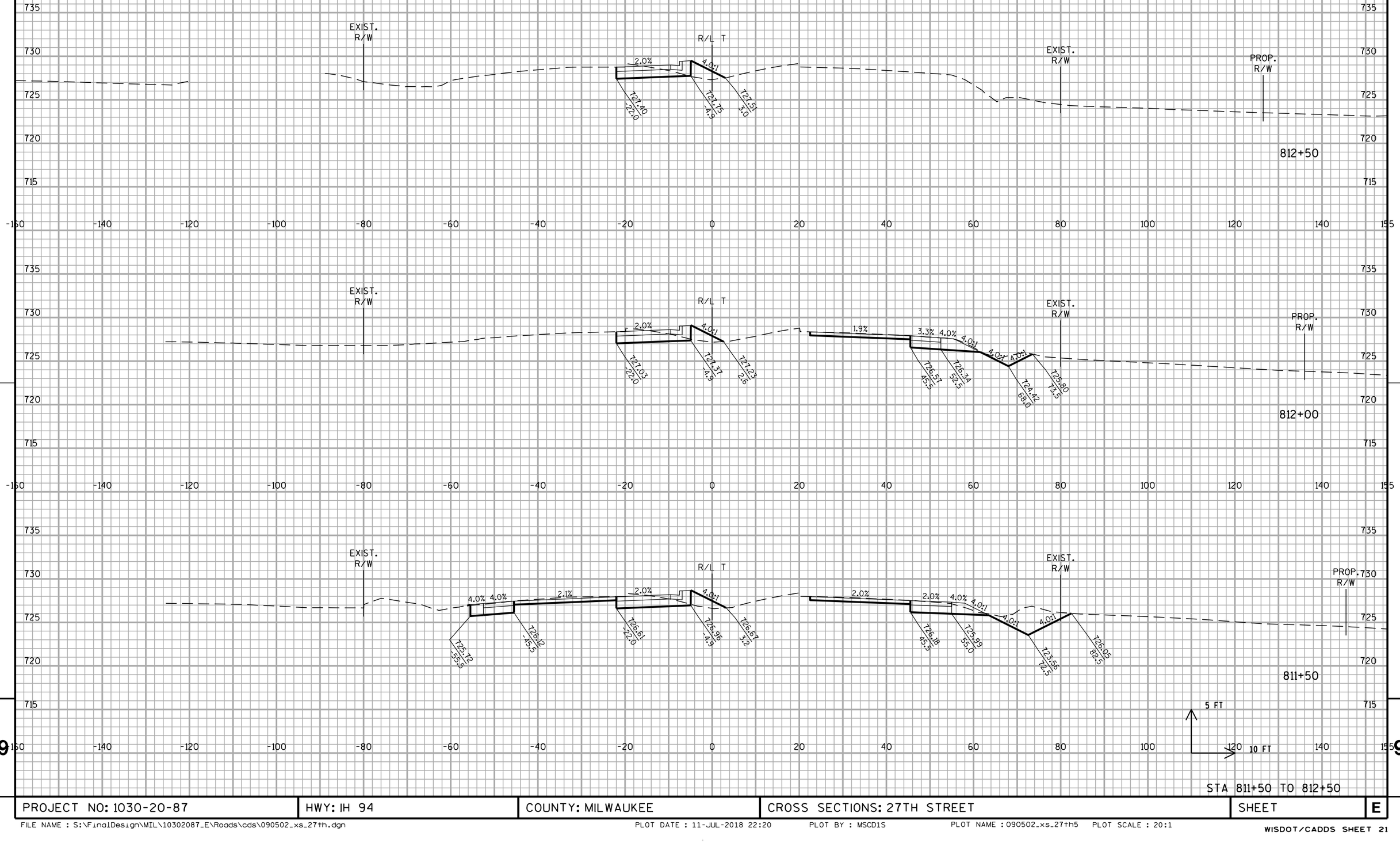
ALL WORK STAGE 2



PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: 27TH STREET	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090502_xs_27th.dgn PLOT DATE : 11-JUL-2018 22:20 PLOT BY : MSCD1S PLOT NAME : 090502_xs_27th4 PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

ALL WORK STAGE 2



9

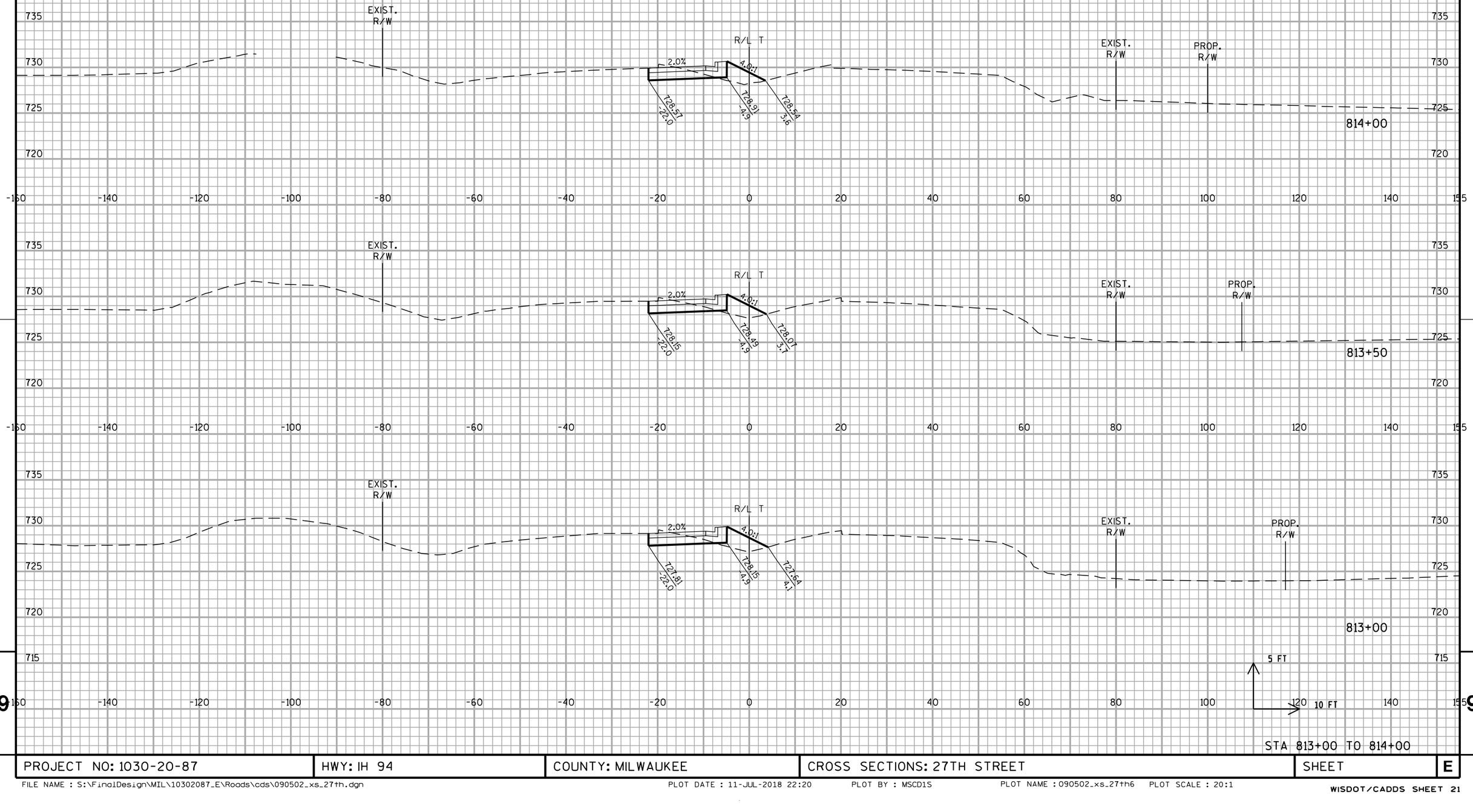
PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: 27TH STREET	SHEET	E

STA 811+50 TO 812+50

9

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090502_xs_27th.dgn PLOT DATE : 11-JUL-2018 22:20 PLOT BY : MSCD1S PLOT NAME : 090502_xs_27th5 PLOT SCALE : 20:1

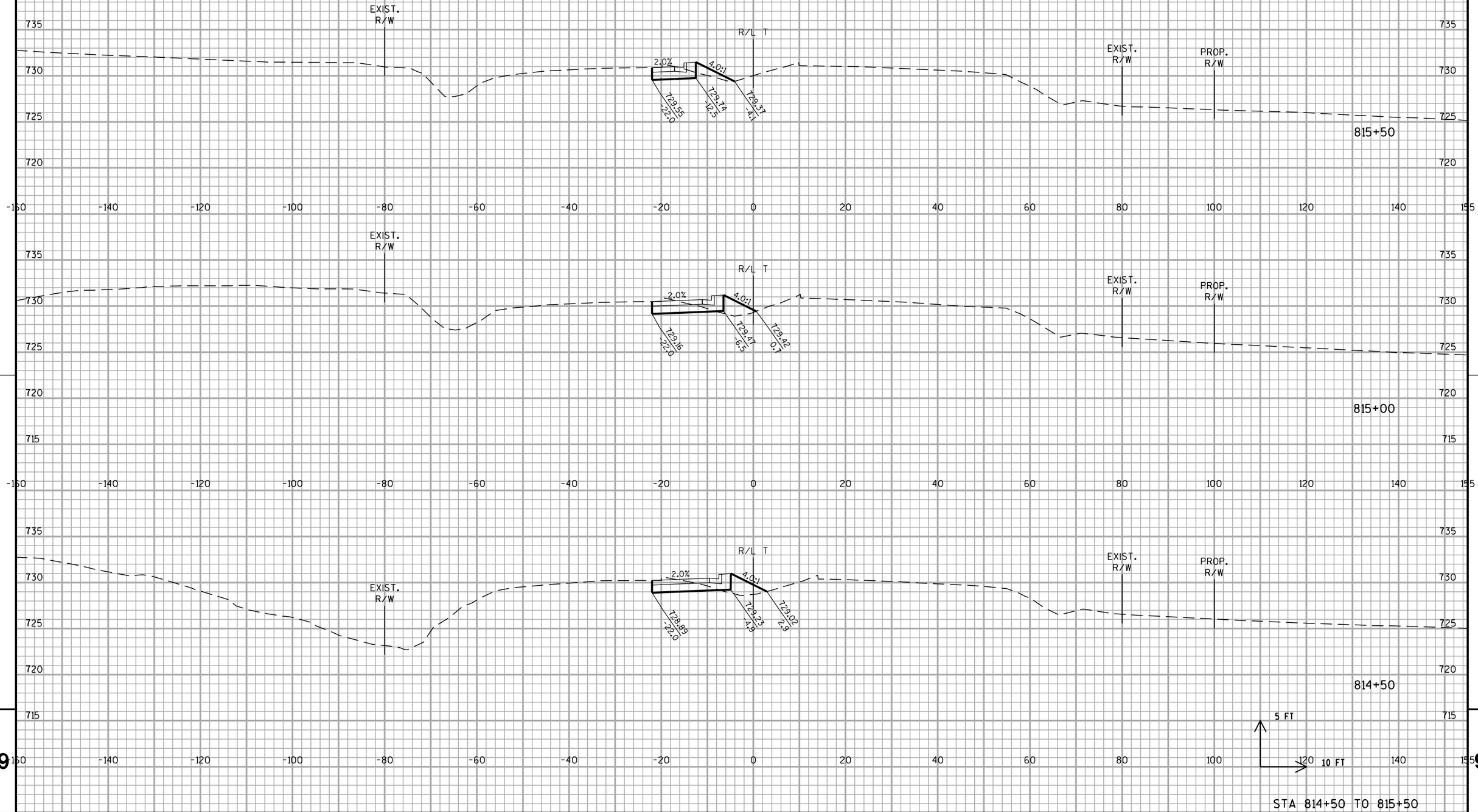
ALL WORK STAGE 2



STA 813+00 TO 814+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: 27TH STREET	SHEET	E

ALL WORK STAGE 2



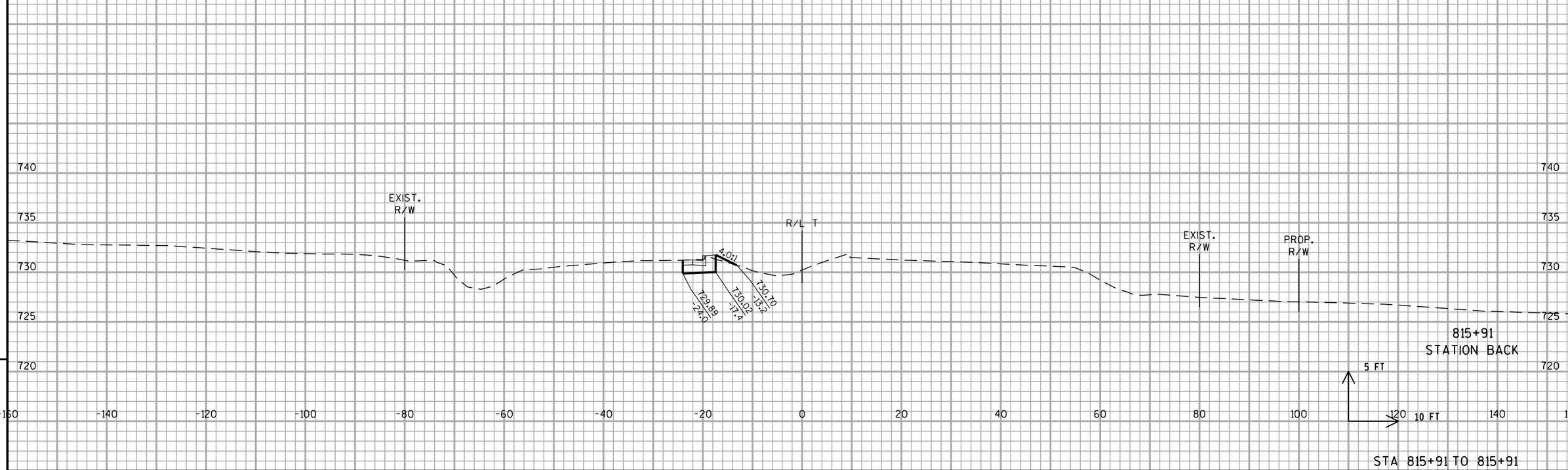
STA 814+50 TO 815+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: 27TH STREET	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090502_xs_27th.dgn PLOT DATE : 11-JUL-2018 22:20 PLOT BY : MSCD1S PLOT NAME : 090502_xs_27th7 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 2



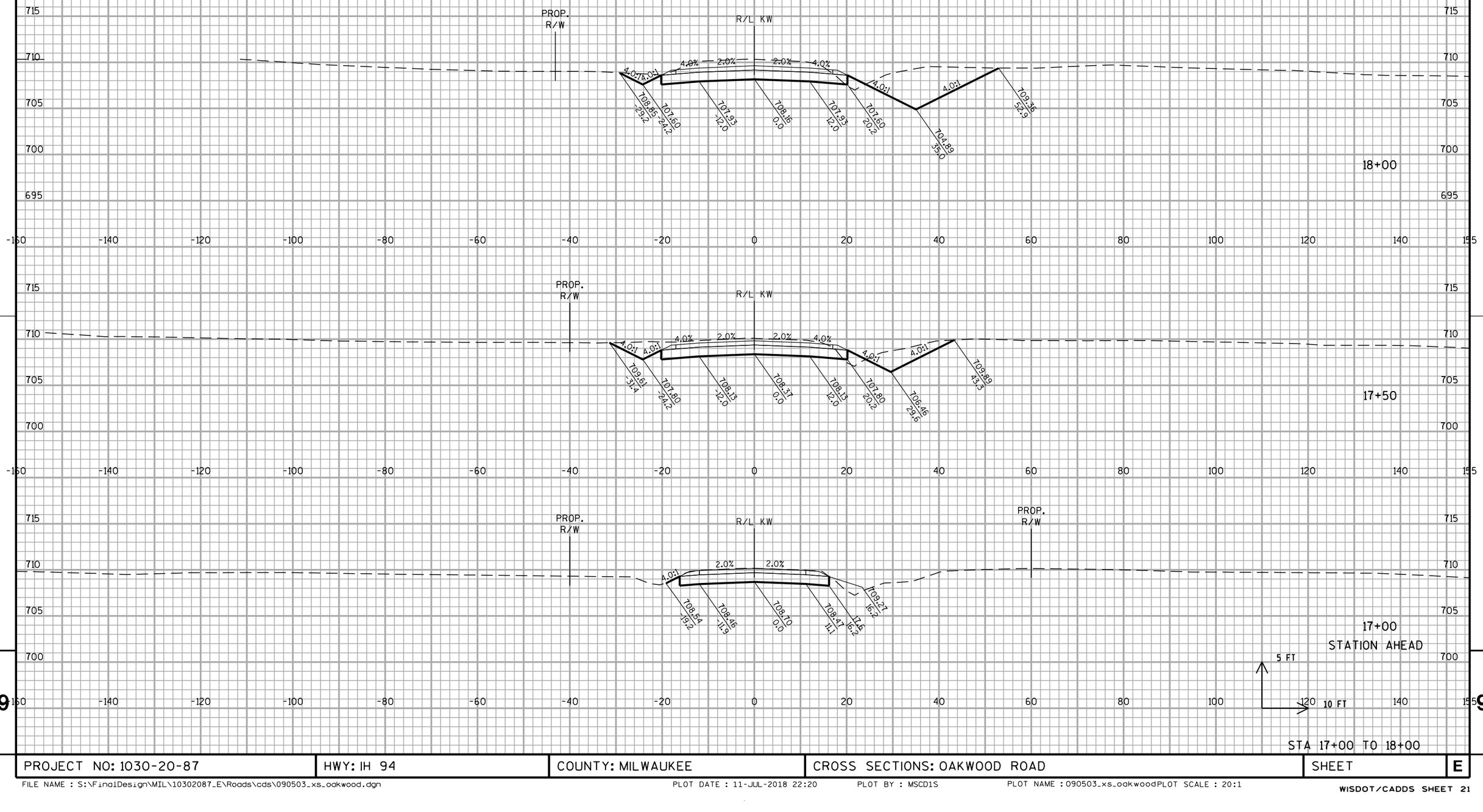
STA 815+91 TO 815+91

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: 27TH STREET	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090502_xs_27th.dgn PLOT DATE : 11-JUL-2018 22:20 PLOT BY : MSCD1S PLOT NAME : 090502_xs_27th8 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK IN STAGE 4



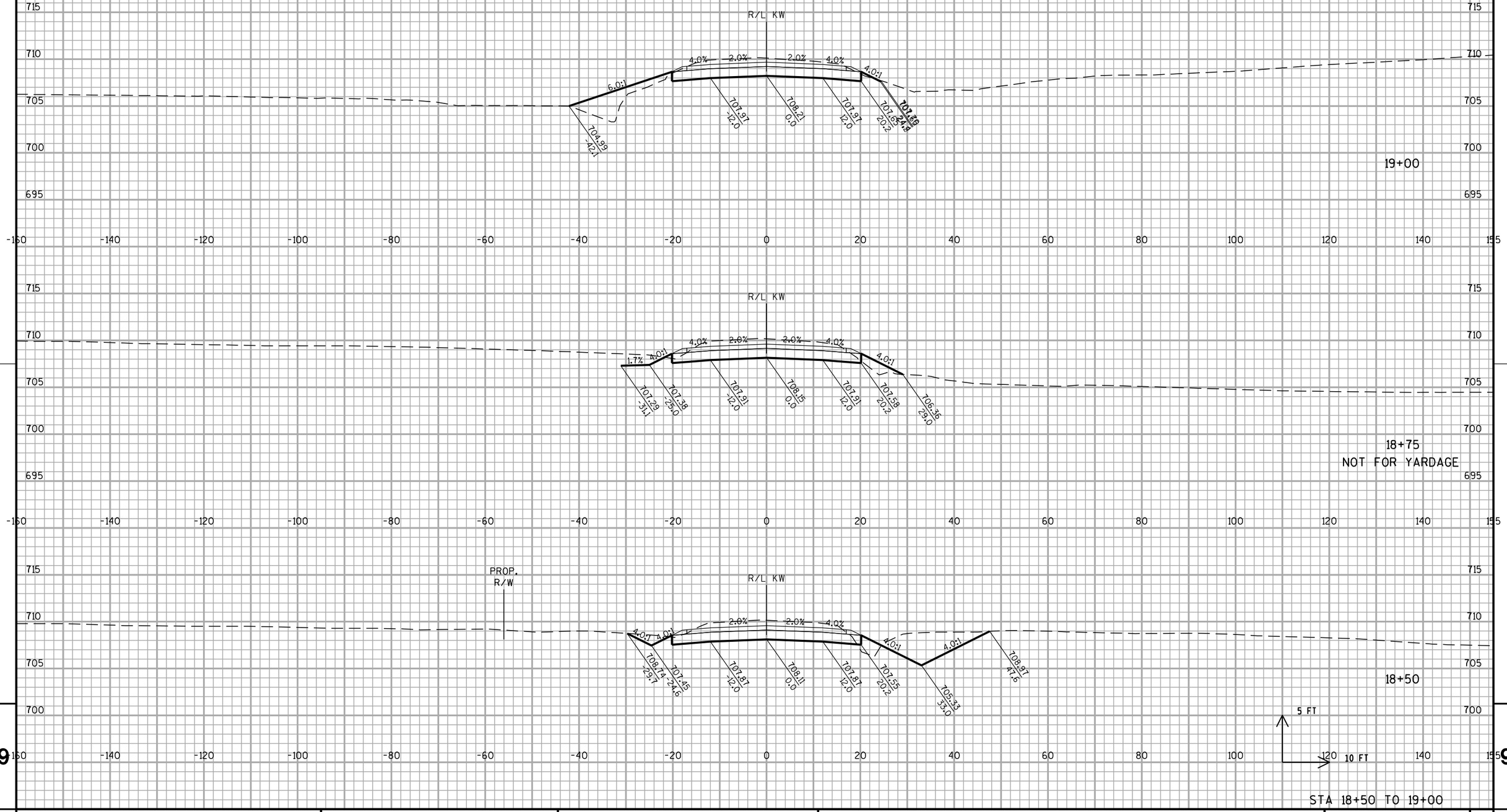
STA 17+00 TO 18+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: OAKWOOD ROAD	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090503_xs_oakwood.dgn PLOT DATE : 11-JUL-2018 22:20 PLOT BY : MSCD1S PLOT NAME : 090503_xs_oakwoodPLOT SCALE : 20:1

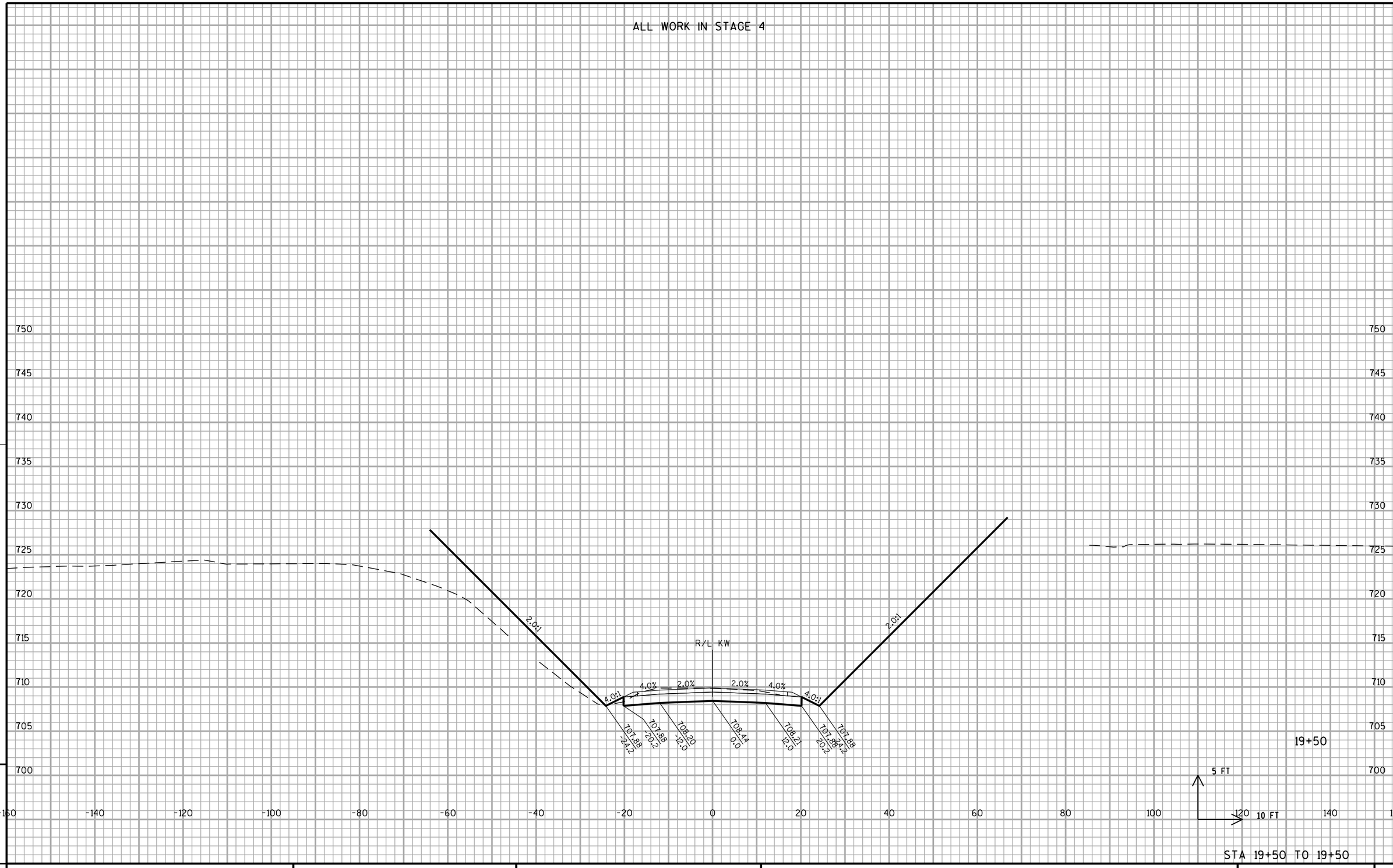
WISDOT/CADDS SHEET 21

ALL WORK IN STAGE 4



PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: OAKWOOD ROAD	SHEET	E

ALL WORK IN STAGE 4

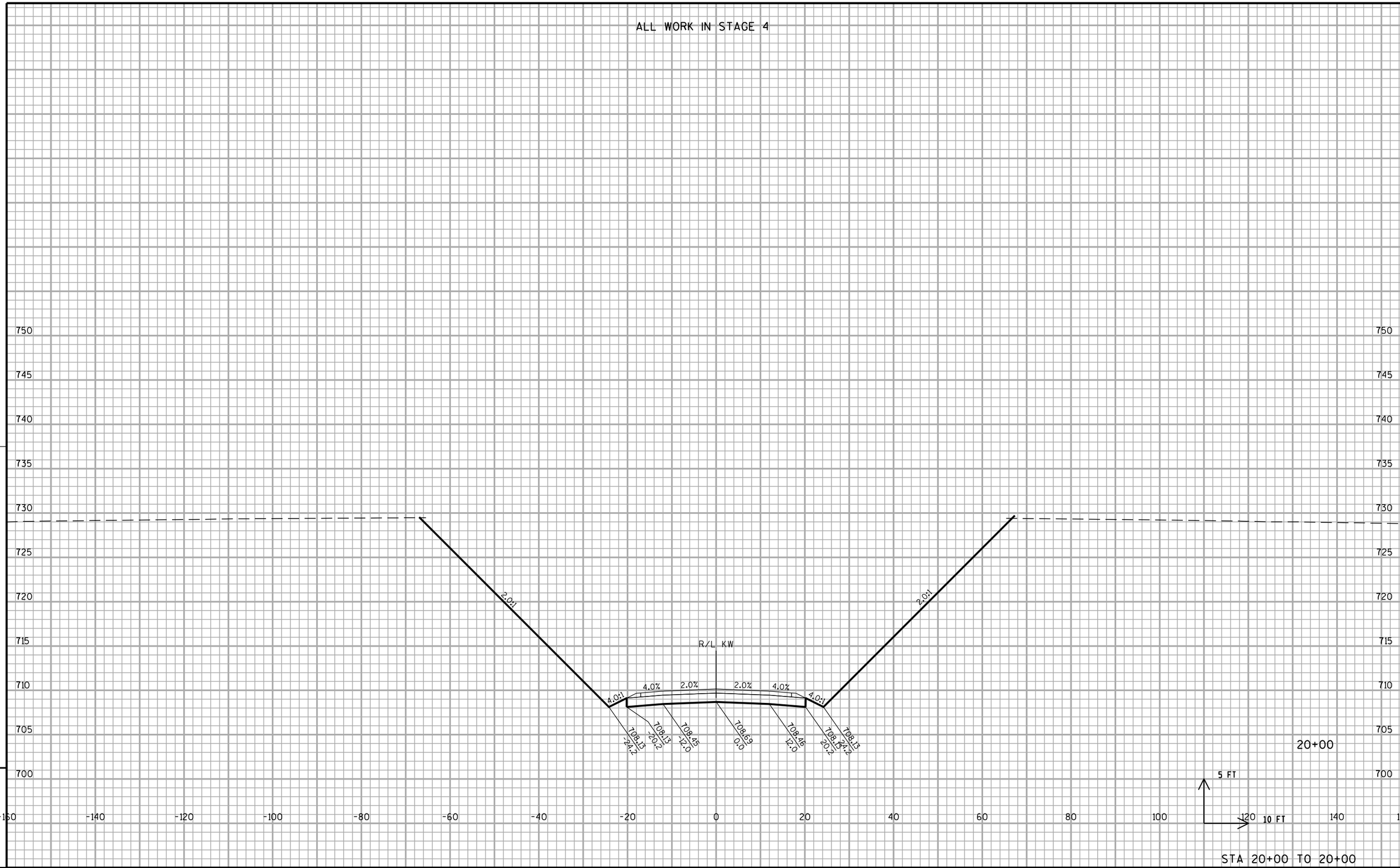


STA 19+50 TO 19+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: OAKWOOD ROAD	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090503_xs_oakwood.dgn PLOT DATE : 11-JUL-2018 22:20 PLOT BY : MSCD1S PLOT NAME : 090503_xs_oakwood2 PLOT SCALE : 20:1

ALL WORK IN STAGE 4

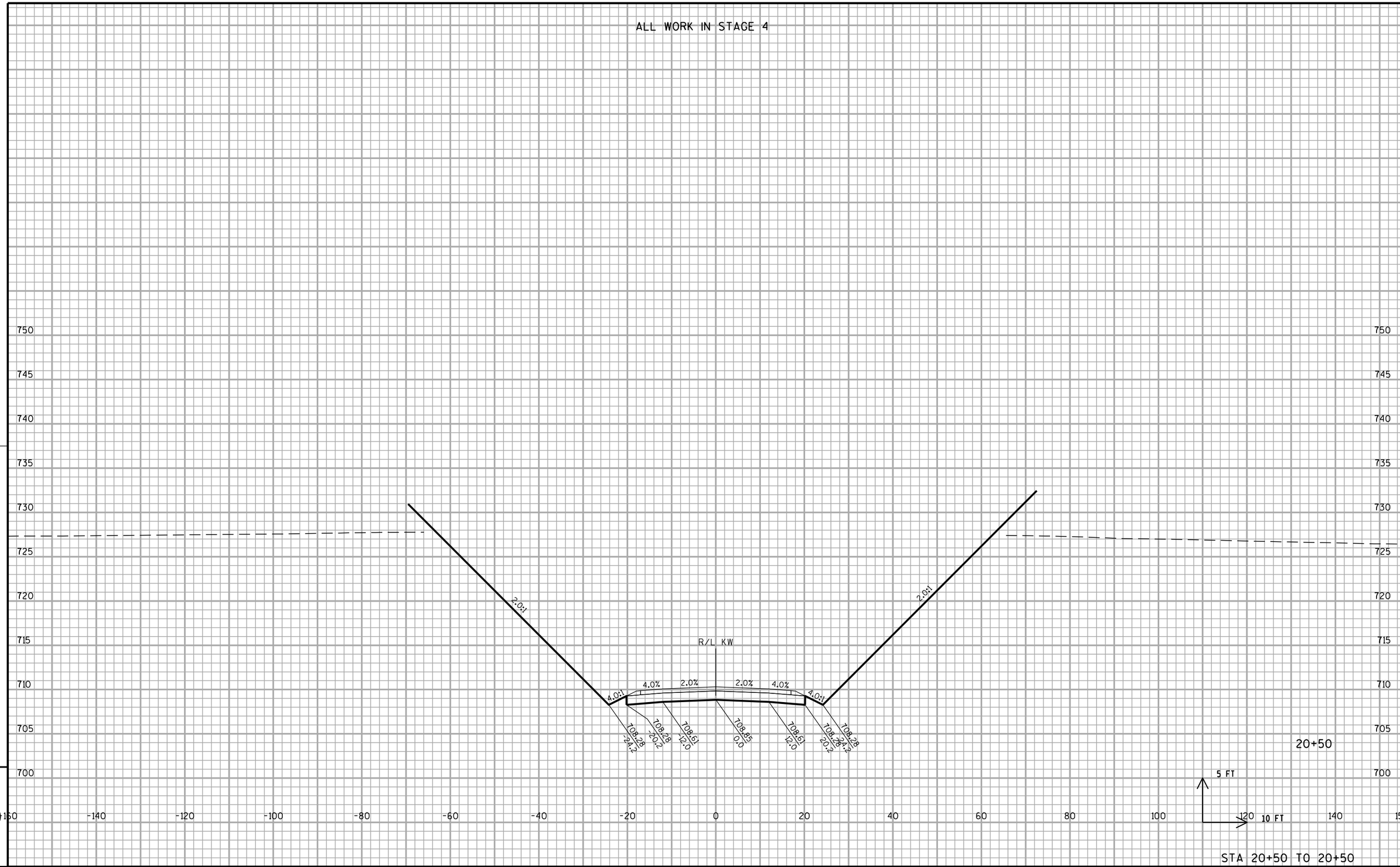


STA 20+00 TO 20+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: OAKWOOD ROAD	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090503_xs_oakwood.dgn PLOT DATE : 11-JUL-2018 22:20 PLOT BY : MSCD1S PLOT NAME : 090503_xs_oakwood PLOT SCALE : 20:1

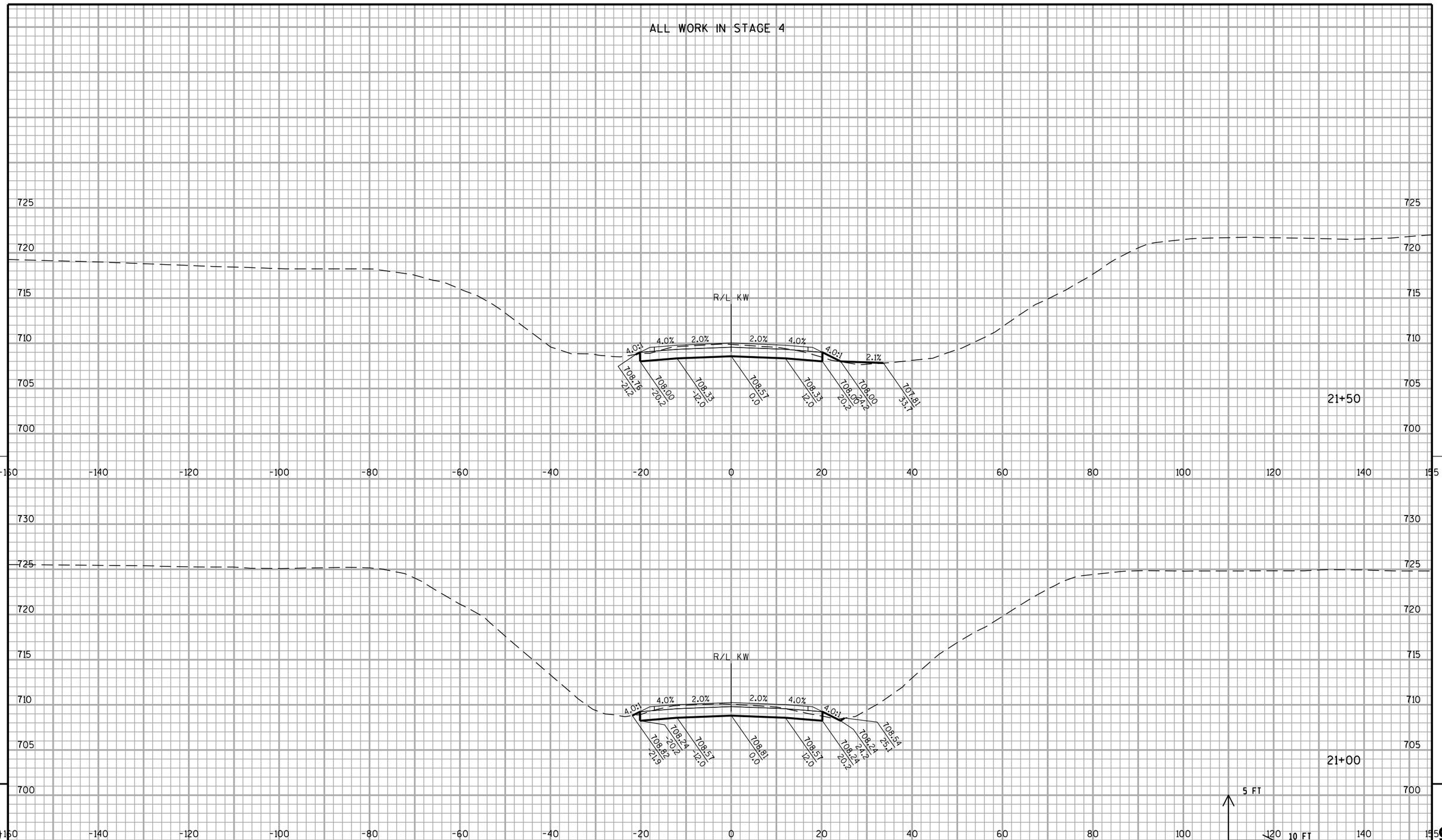
ALL WORK IN STAGE 4



STA 20+50 TO 20+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: OAKWOOD ROAD	SHEET	E

ALL WORK IN STAGE 4

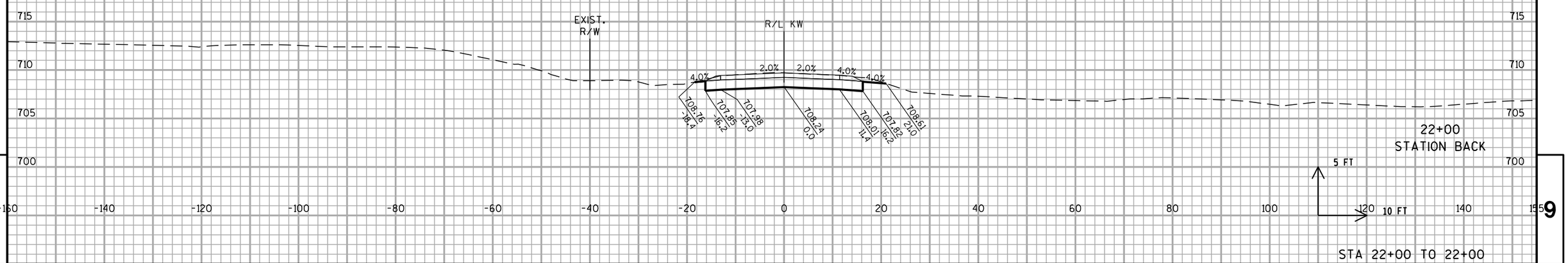


PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: OAKWOOD ROAD	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090503_xs_oakwood.dgn PLOT DATE : 11-JUL-2018 22:20 PLOT BY : MSCD1S PLOT NAME : 090503_xs_oakwood PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

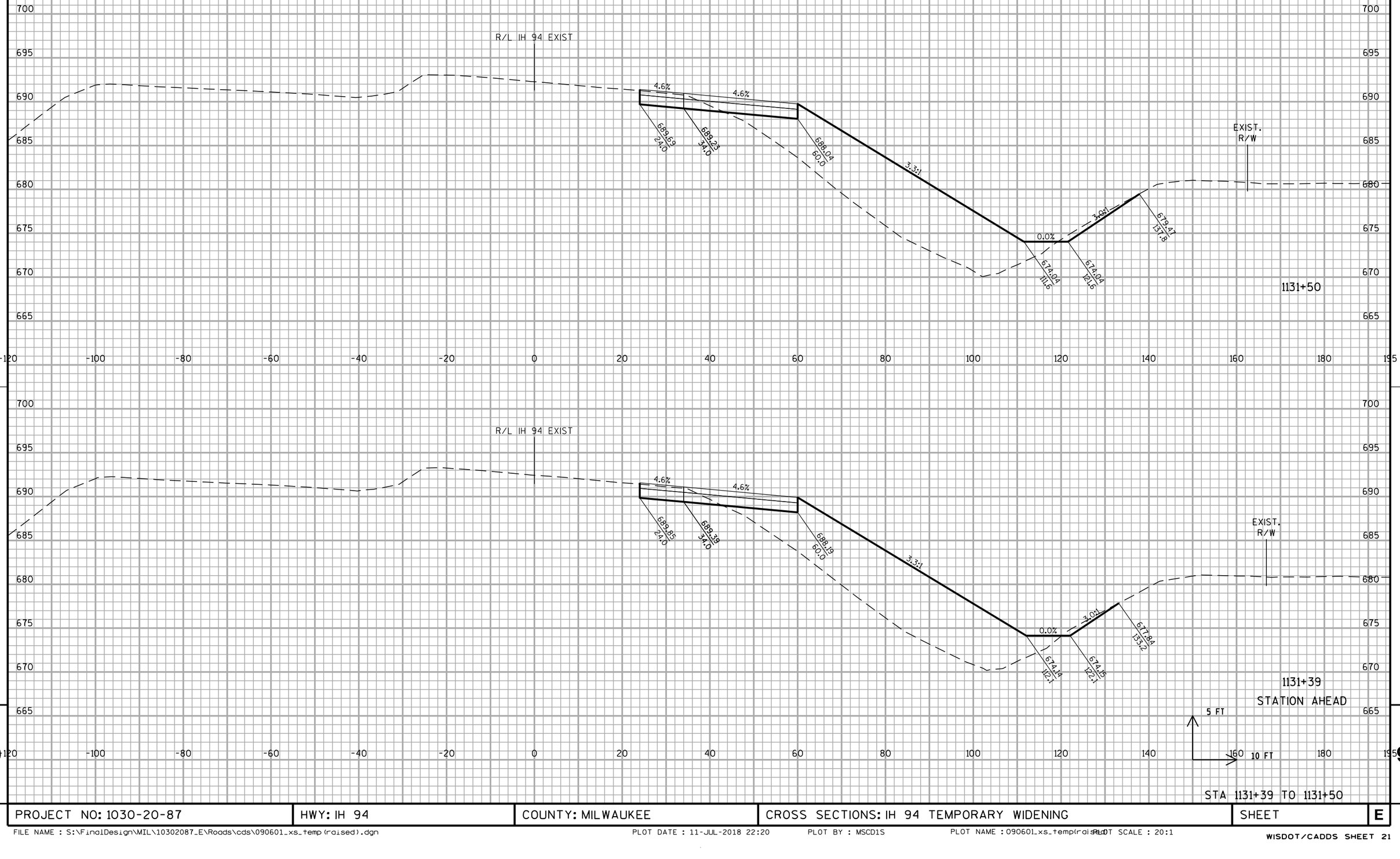
ALL WORK IN STAGE 4



STA 22+00 TO 22+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: OAKWOOD ROAD	SHEET	E

ALL WORK STAGE 1



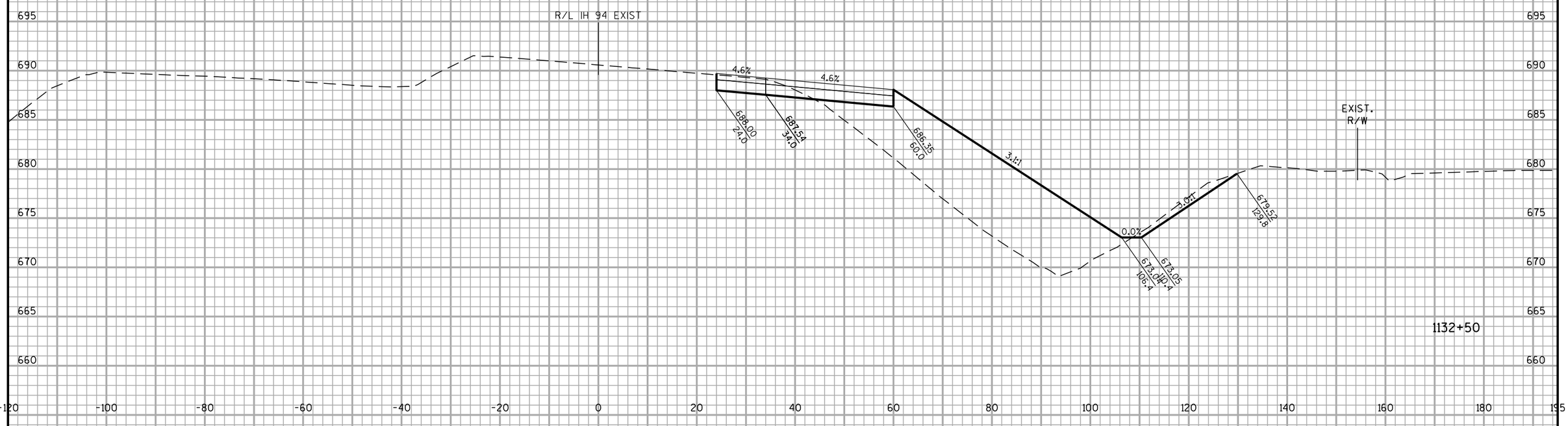
STA 1131+39 TO 1131+50

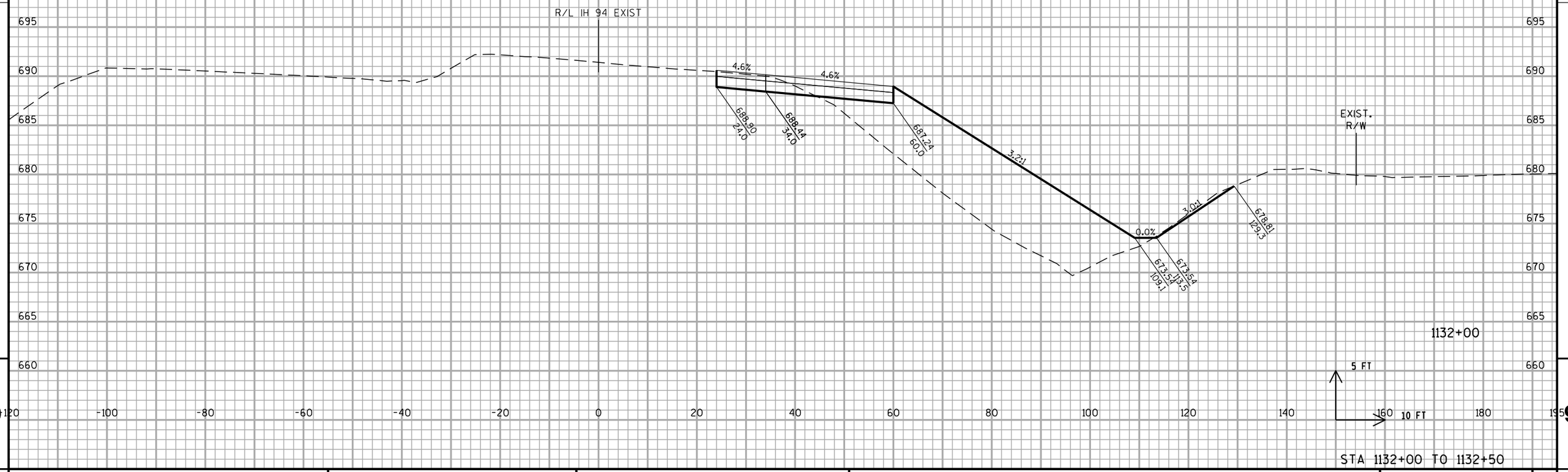
PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090601_xs_temp(raised).dgn PLOT DATE : 11-JUL-2018 22:20 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp(raised).pdf PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1





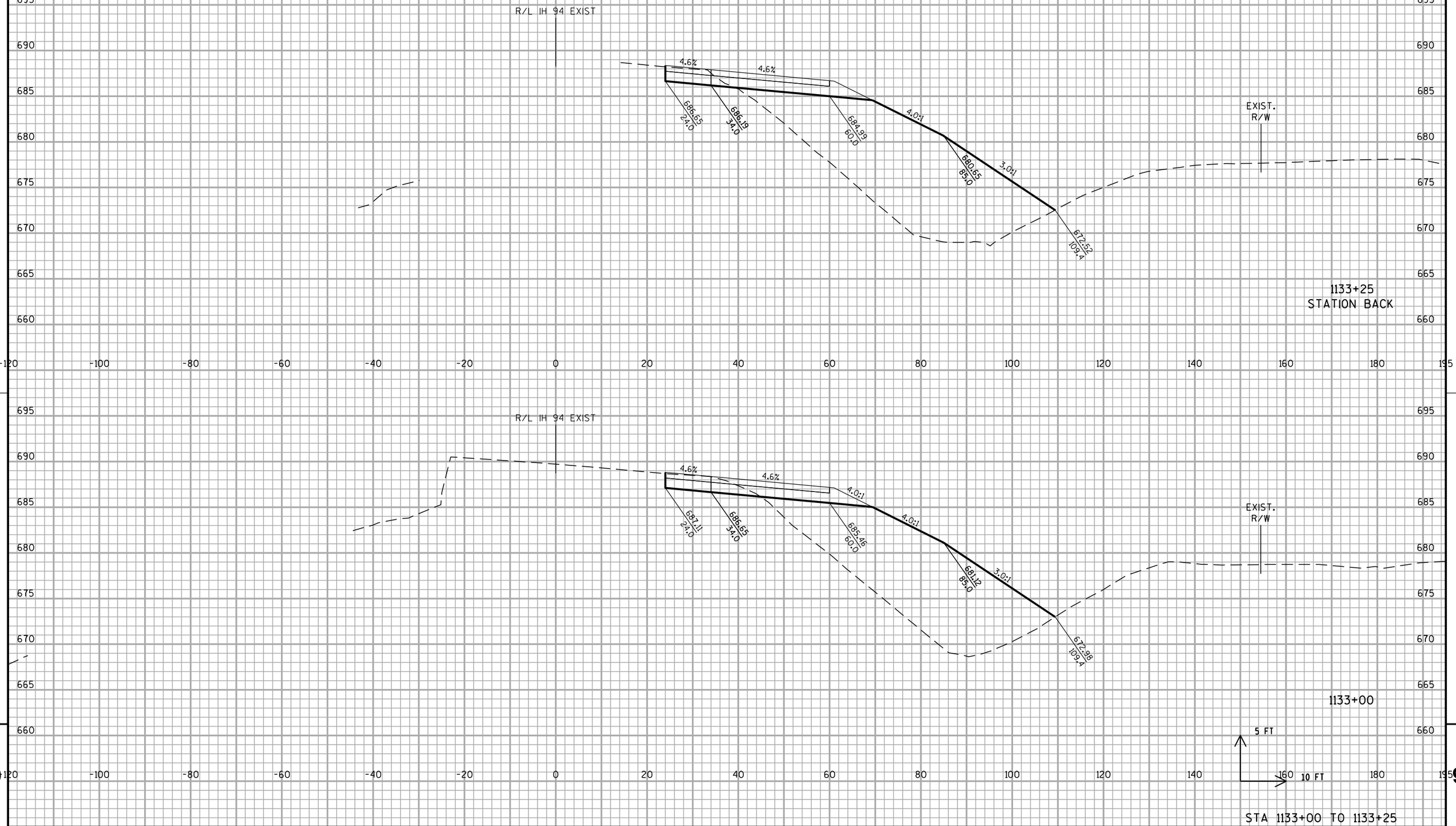
STA 1132+00 TO 1132+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090601_xs_temp(raised).dgn PLOT DATE : 11-JUL-2018 22:20 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp(raised).dgn PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1



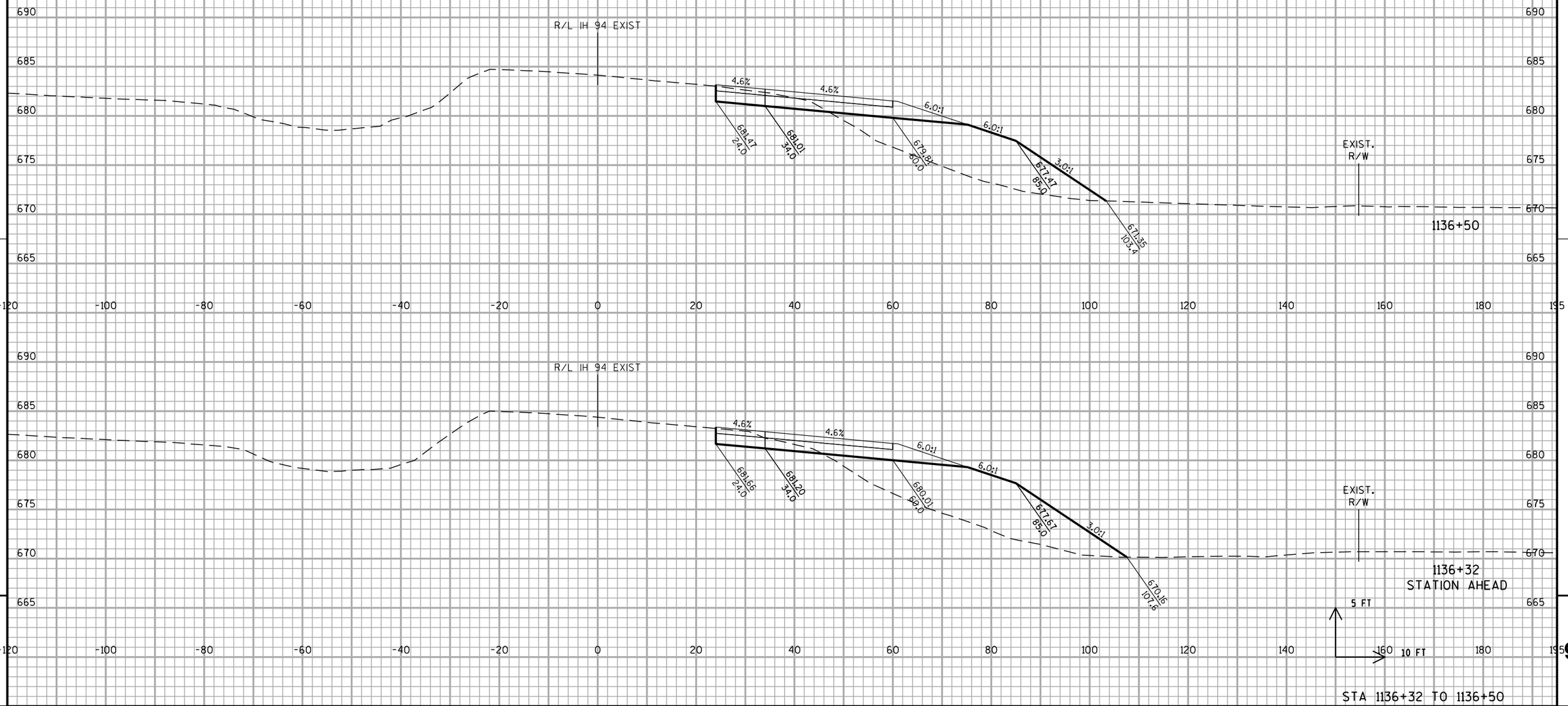
STA 1133+00 TO 1133+25

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090601_xs_temp(raised).dgn PLOT DATE : 11-JUL-2018 22:20 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp(raised).dgn PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1

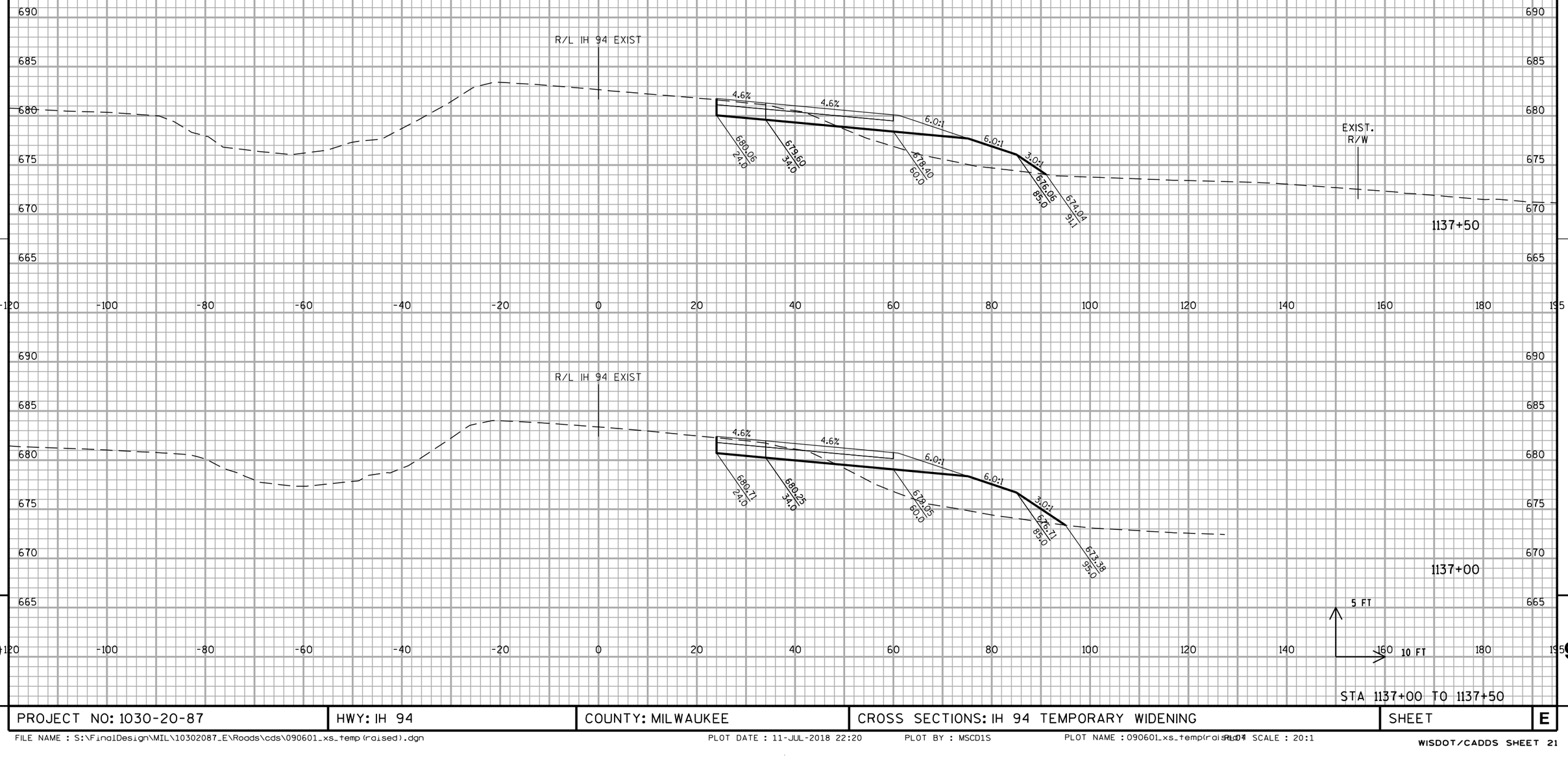


PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090601_xs_temp(raised).dgn PLOT DATE : 11-JUL-2018 22:20 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp(raised).dgn PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1

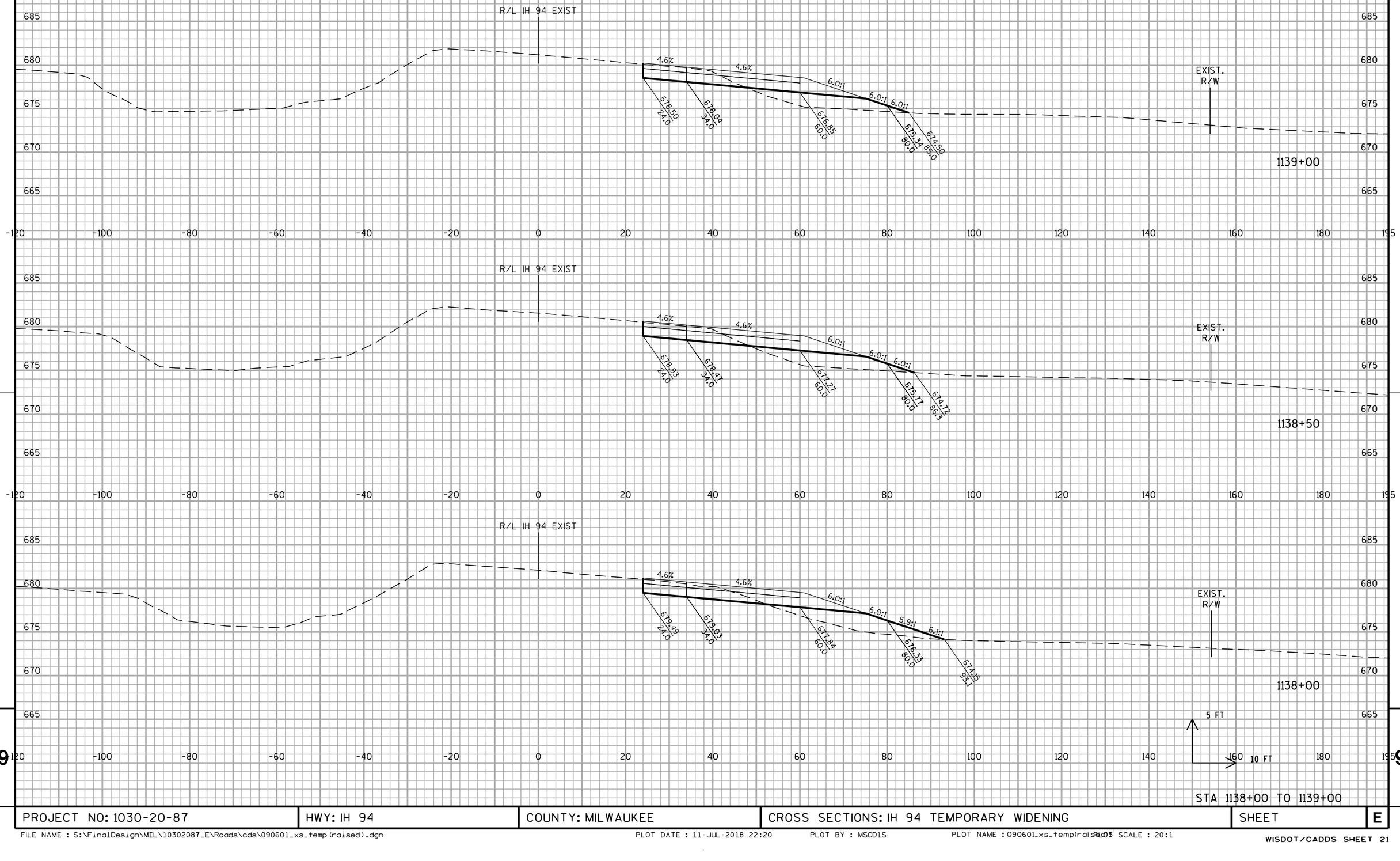


PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090601_xs_temp(raised).dgn PLOT DATE : 11-JUL-2018 22:20 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp(raised).dgn PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1



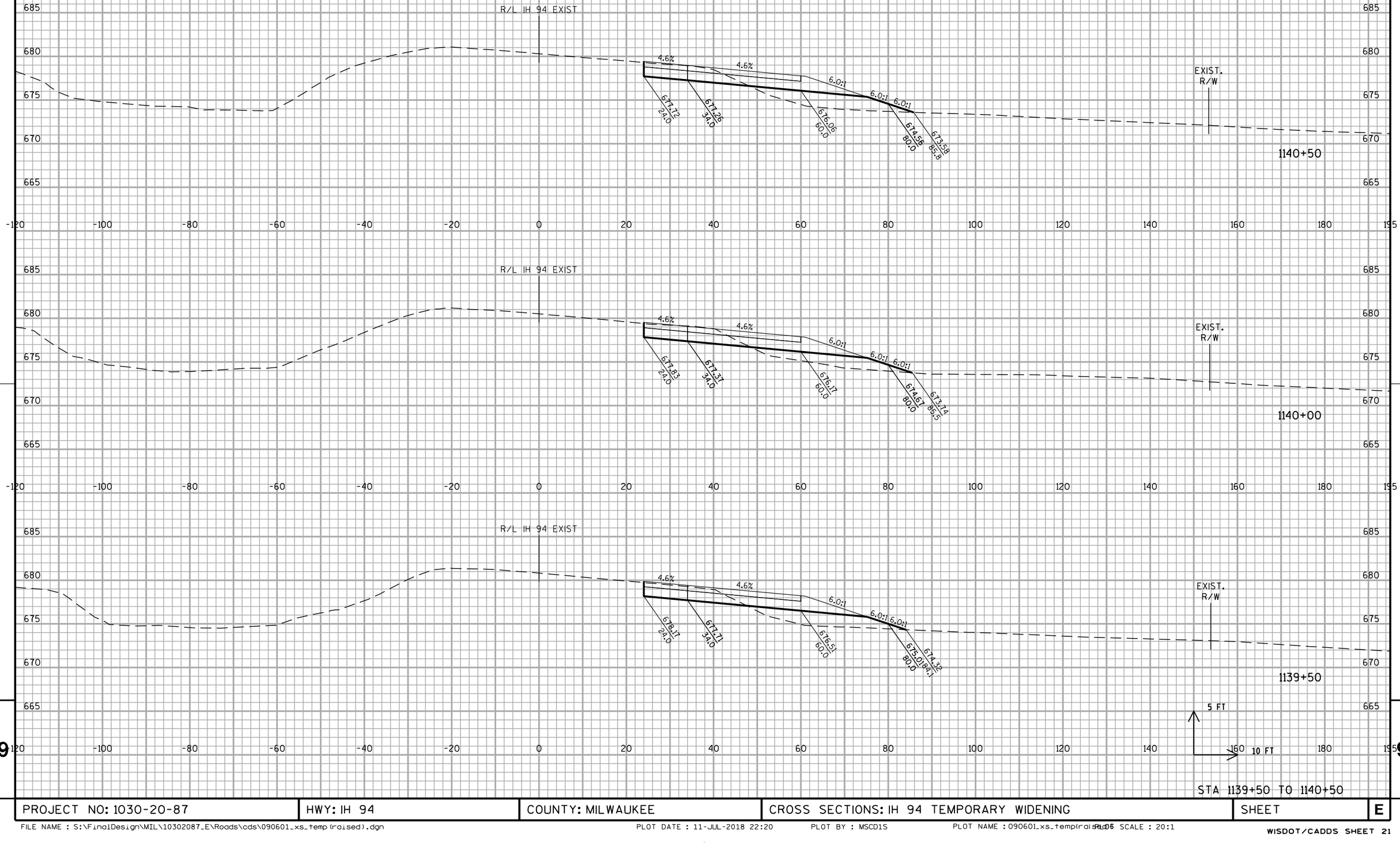
STA 1138+00 TO 1139+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090601_xs_temp(raised).dgn PLOT DATE : 11-JUL-2018 22:20 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp(raised).dgn PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1



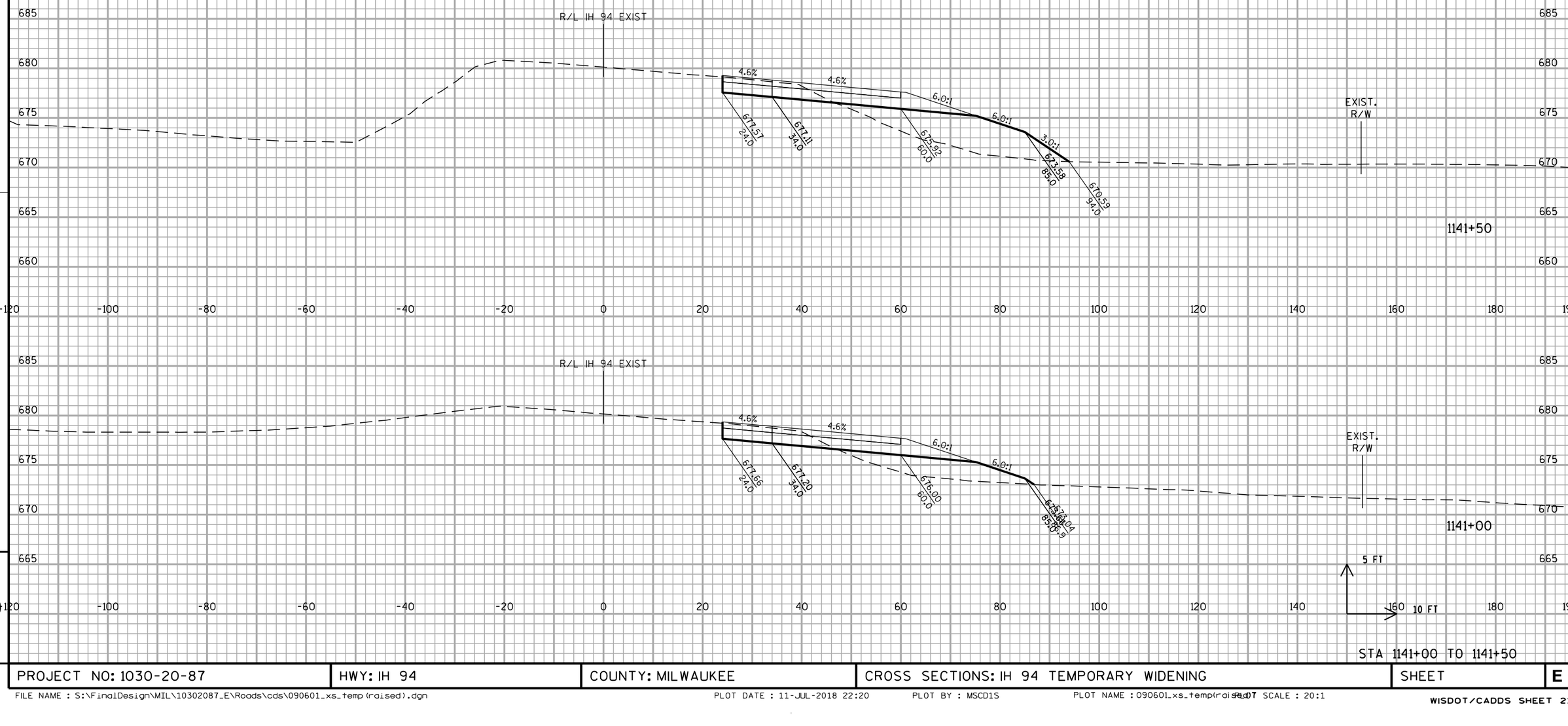
STA 1139+50 TO 1140+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090601_xs_temp(raised).dgn PLOT DATE : 11-JUL-2018 22:20 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp(raised).dgn PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1



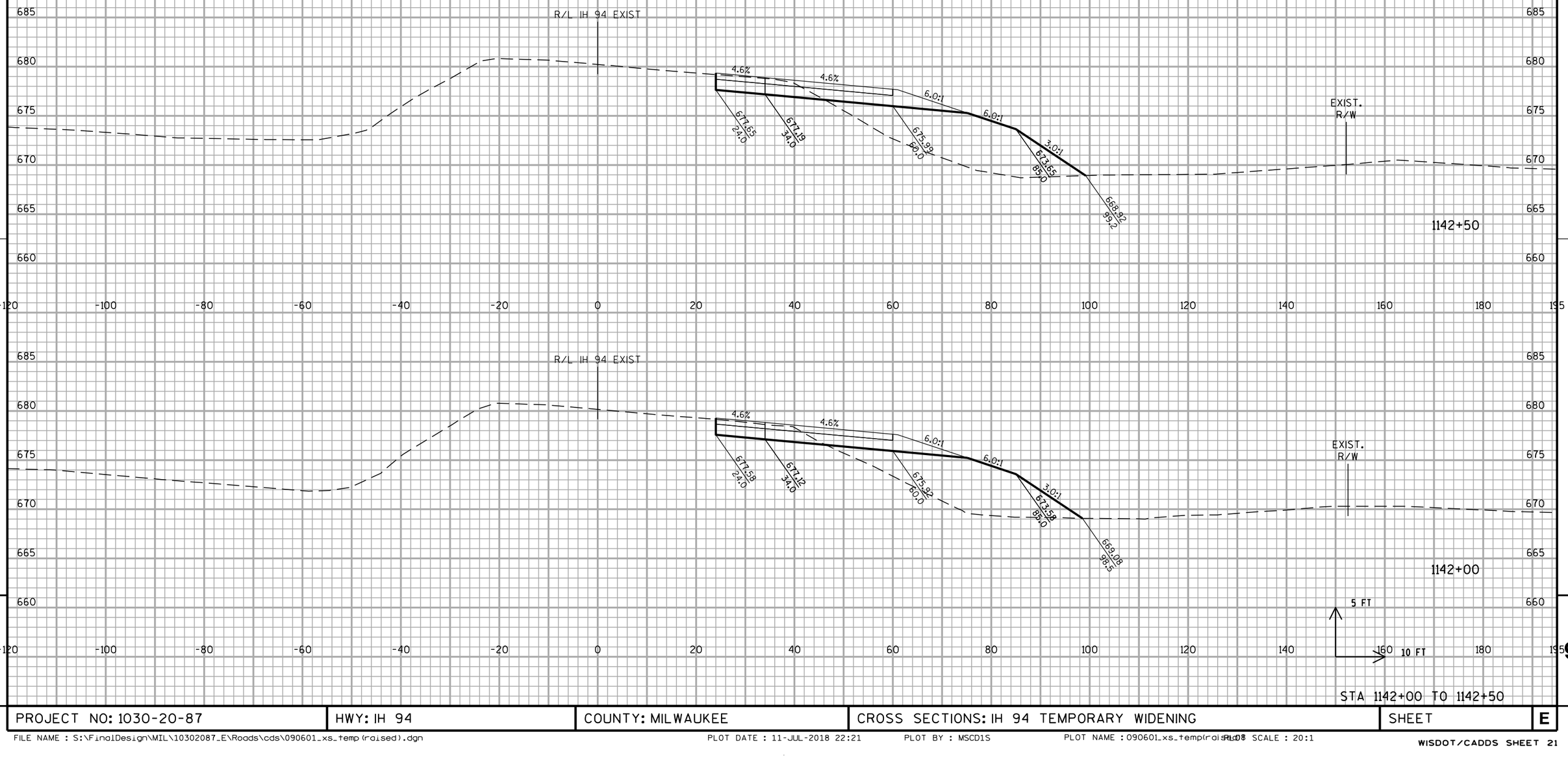
STA 1141+00 TO 1141+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090601_xs_temp(raised).dgn PLOT DATE : 11-JUL-2018 22:20 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp(raised).07 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1



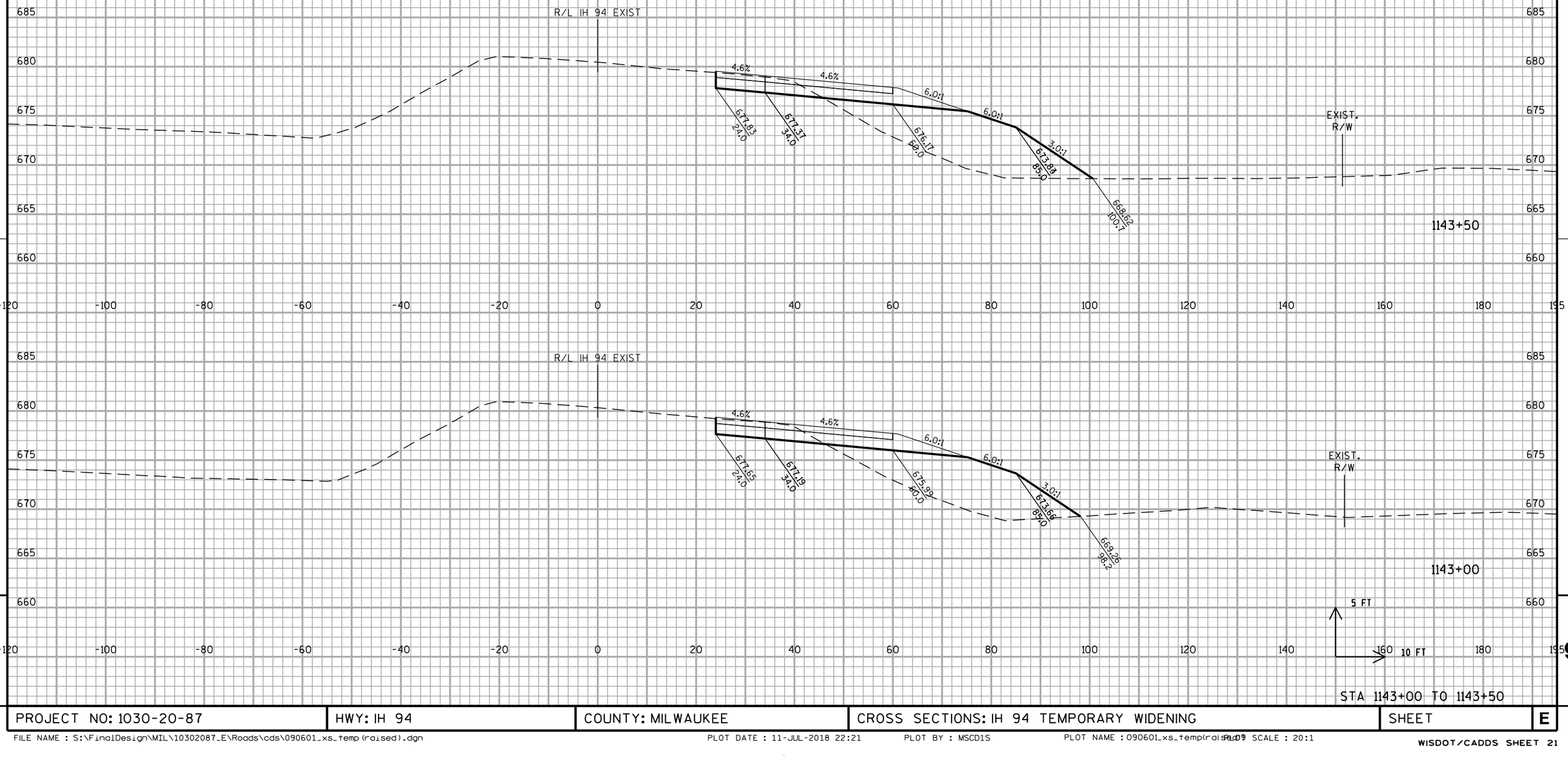
STA 1142+00 TO 1142+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090601_xs_temp(raised).dgn PLOT DATE : 11-JUL-2018 22:21 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp(raised).dgn PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1



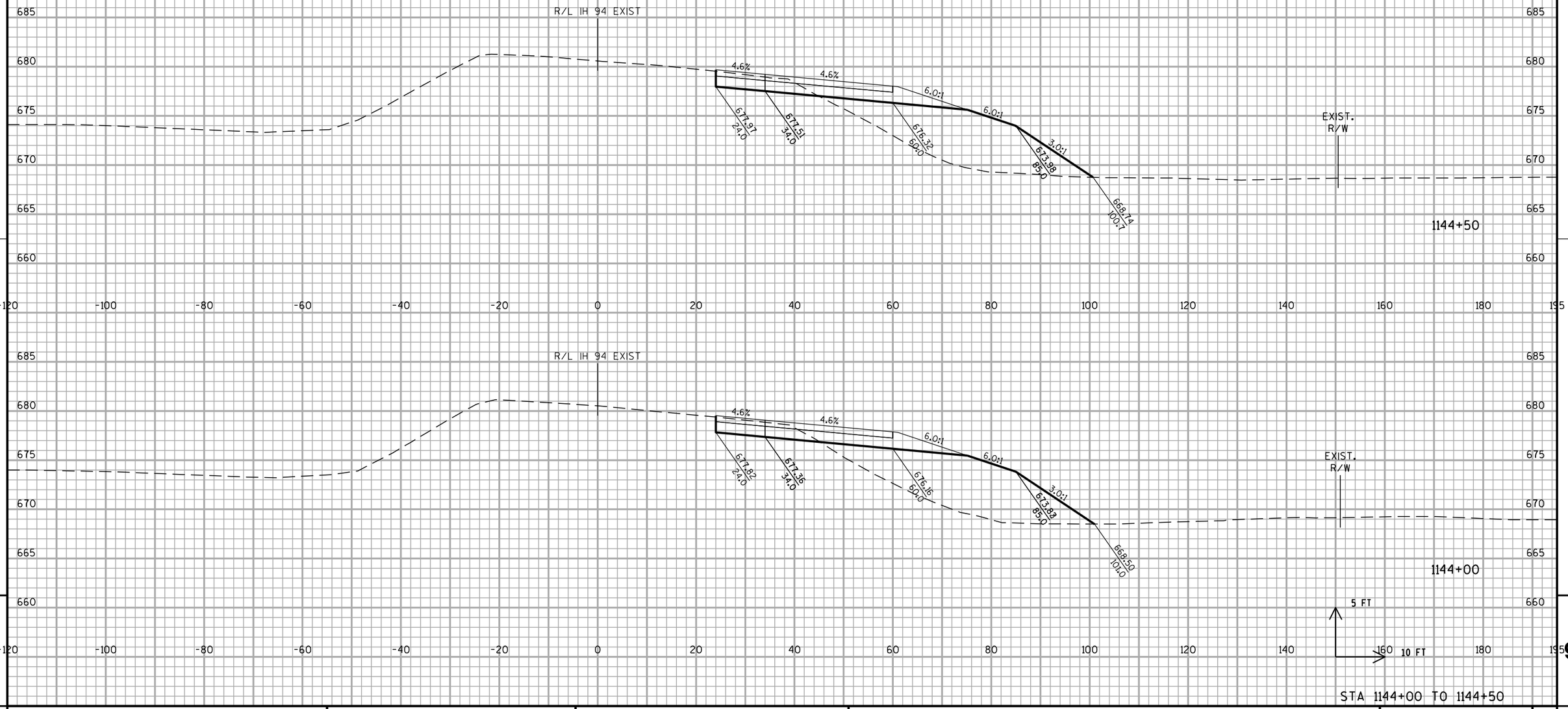
STA 1143+00 TO 1143+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090601_xs_temp(raised).dgn PLOT DATE : 11-JUL-2018 22:21 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp(raised).dgn PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1



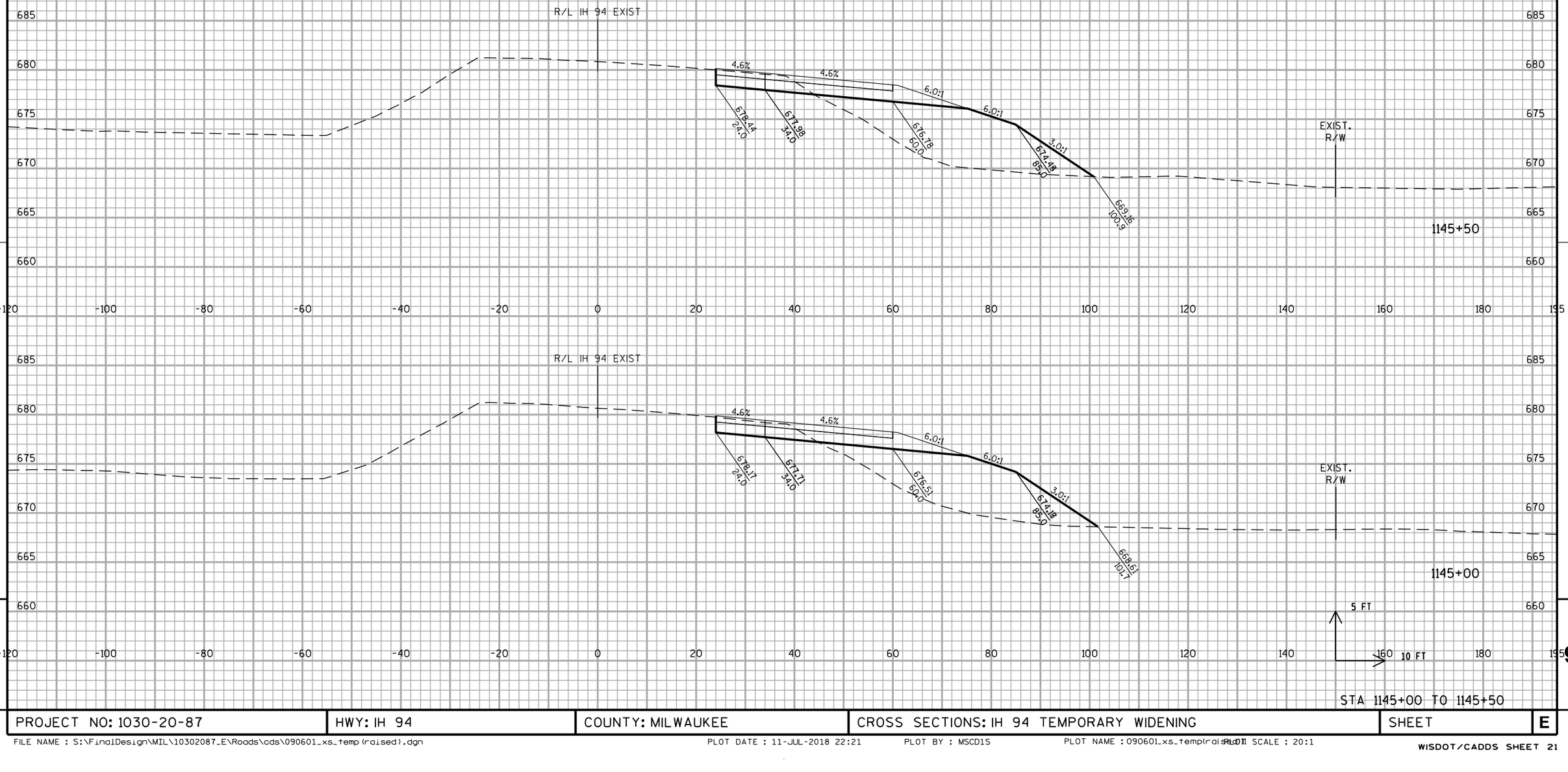
STA 1144+00 TO 1144+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090601_xs_temp(raised).dgn PLOT DATE : 11-JUL-2018 22:21 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp(raised).dgn PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1



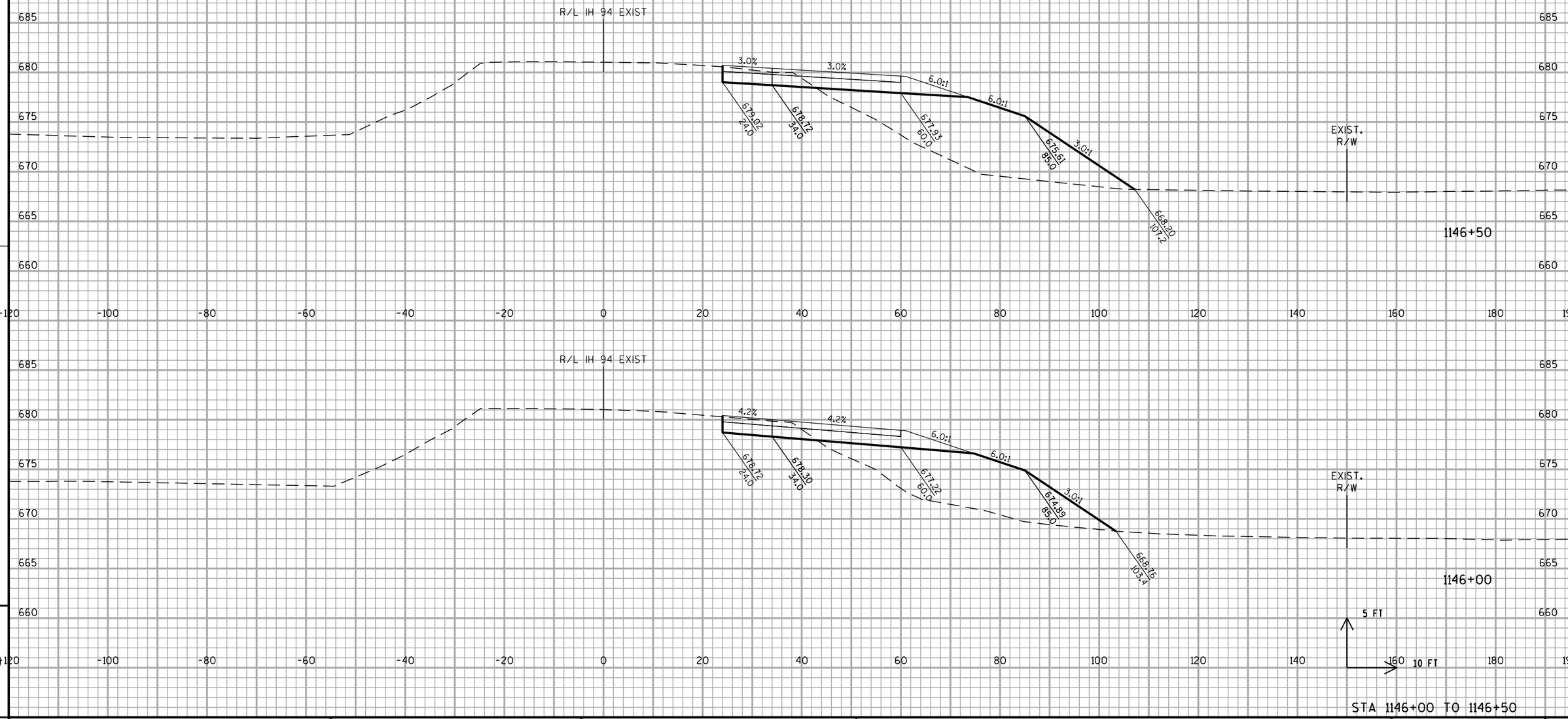
STA 1145+00 TO 1145+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090601_xs_temp(raised).dgn PLOT DATE : 11-JUL-2018 22:21 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp(raised).dgn PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1



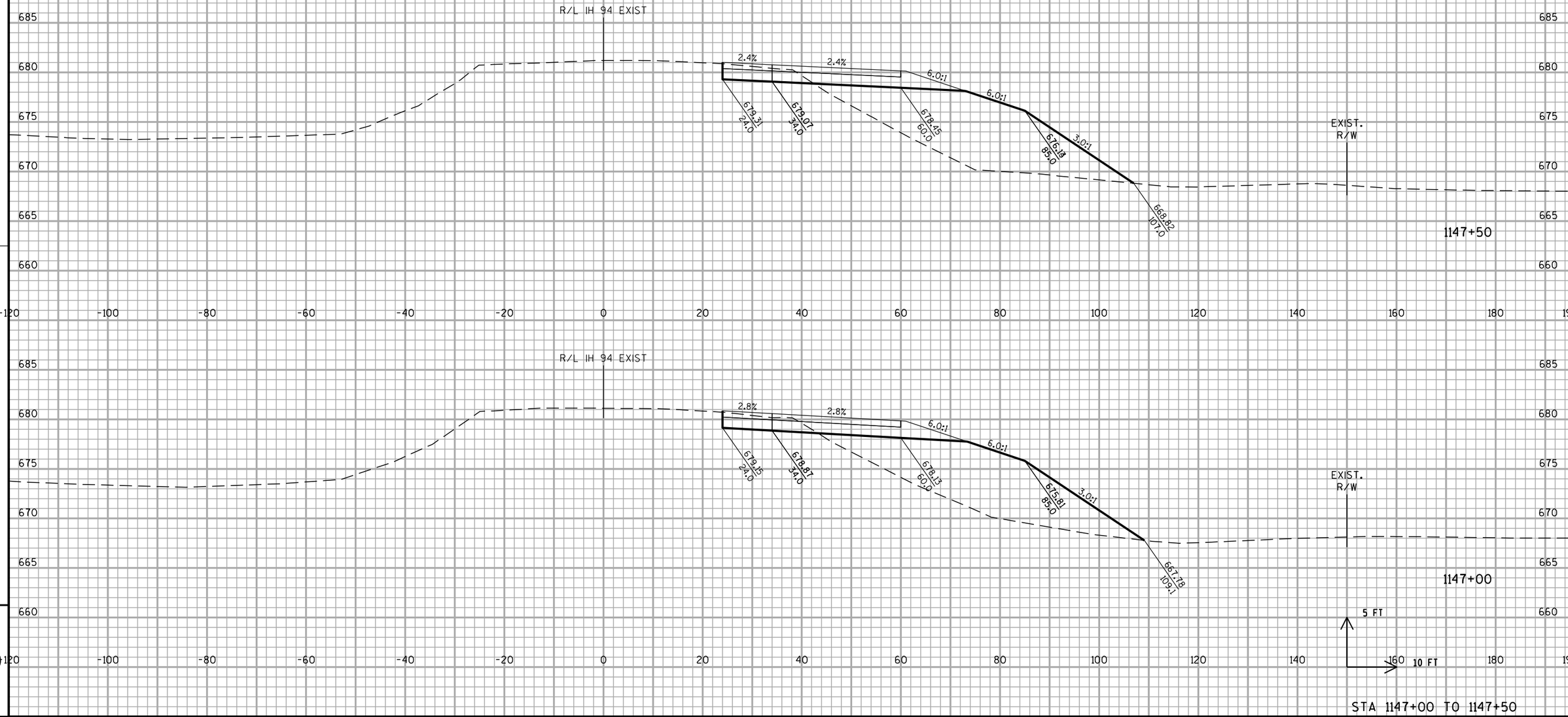
STA 1146+00 TO 1146+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090601_xs_temp(raised).dgn PLOT DATE : 11-JUL-2018 22:21 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp(raised).dgn PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1



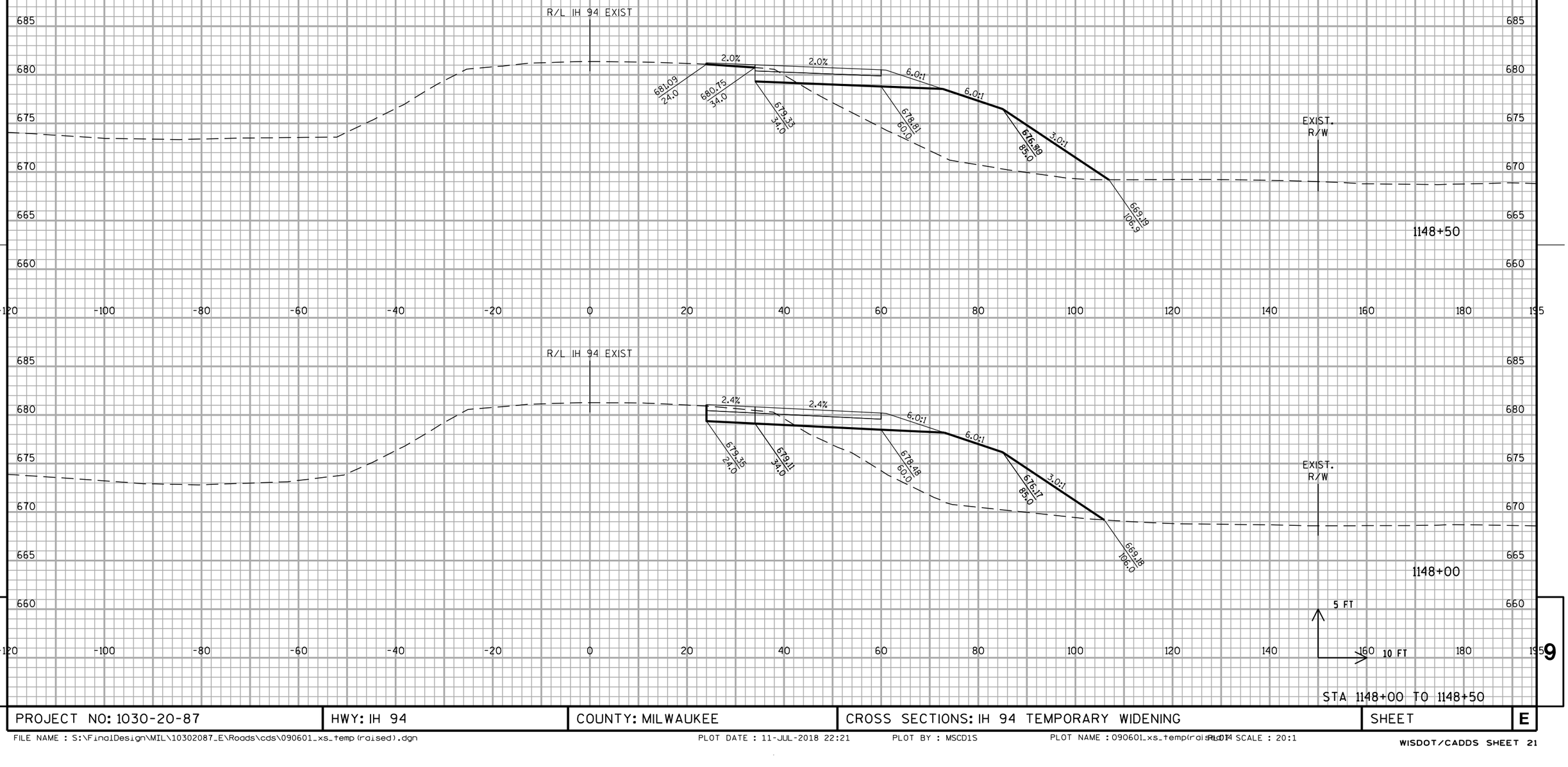
STA 1147+00 TO 1147+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090601_xs_temp(raised).dgn PLOT DATE : 11-JUL-2018 22:21 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp(raised).dgn PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1



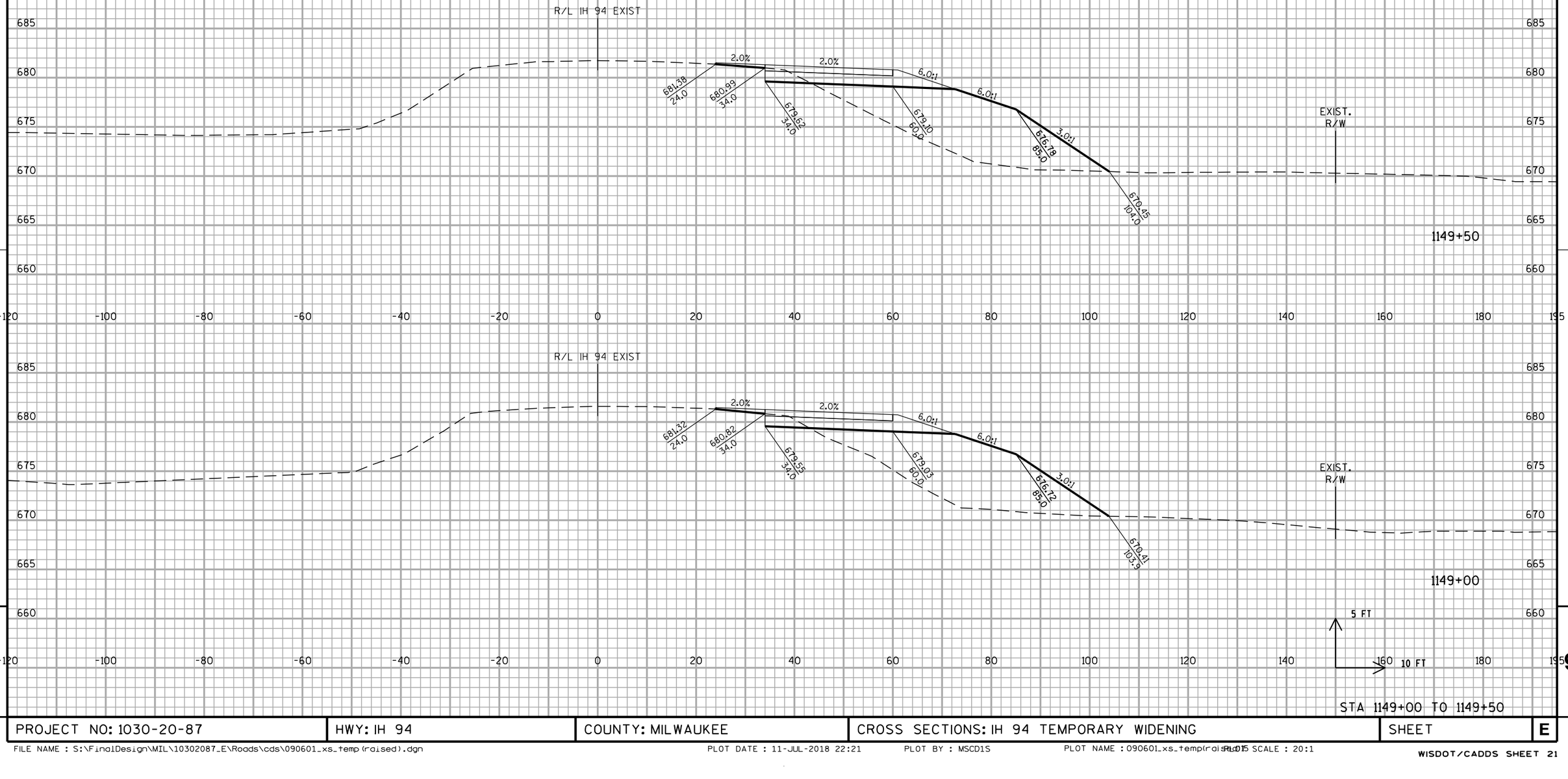
STA 1148+00 TO 1148+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090601_xs_temp(raised).dgn PLOT DATE : 11-JUL-2018 22:21 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp(raised).pl4 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

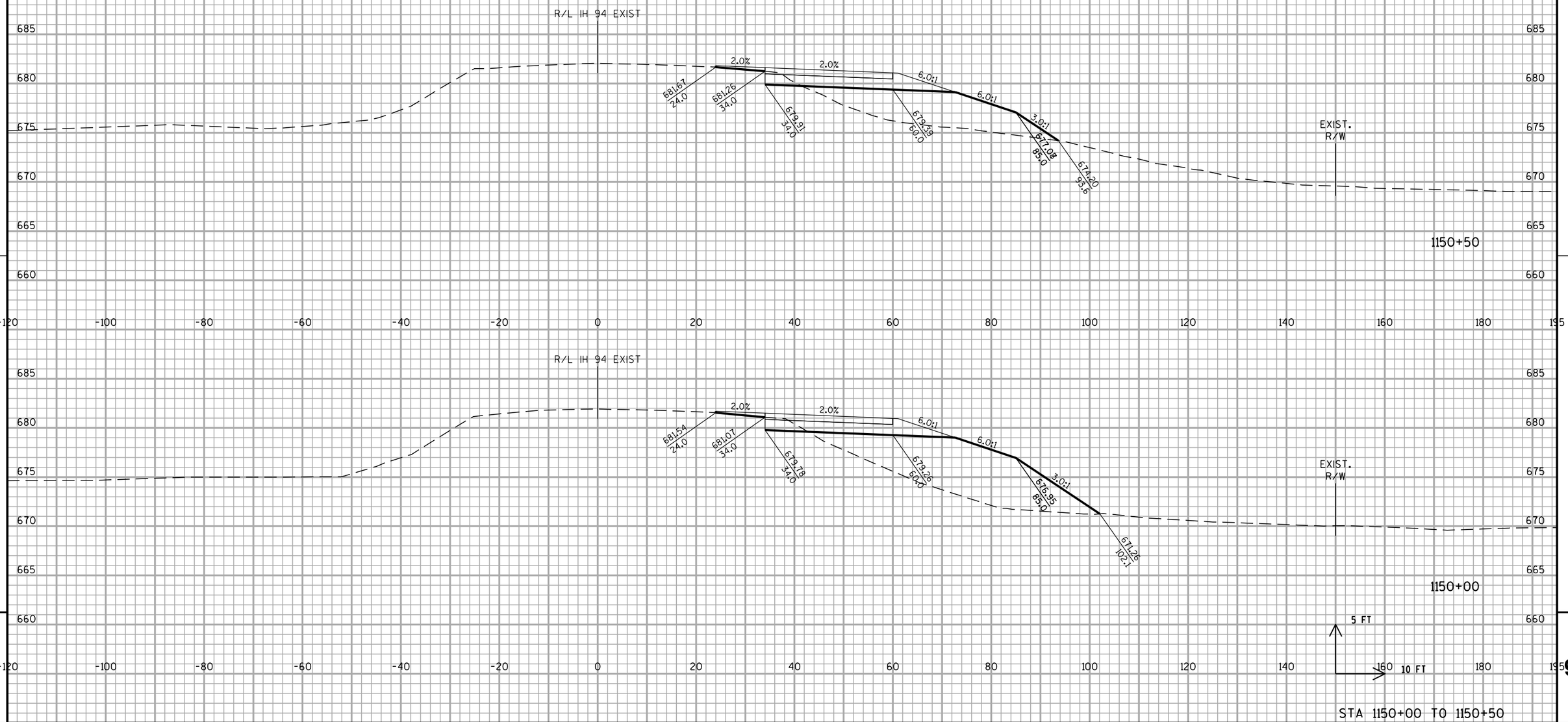
ALL WORK STAGE 1



STA 1149+00 TO 1149+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

ALL WORK STAGE 1



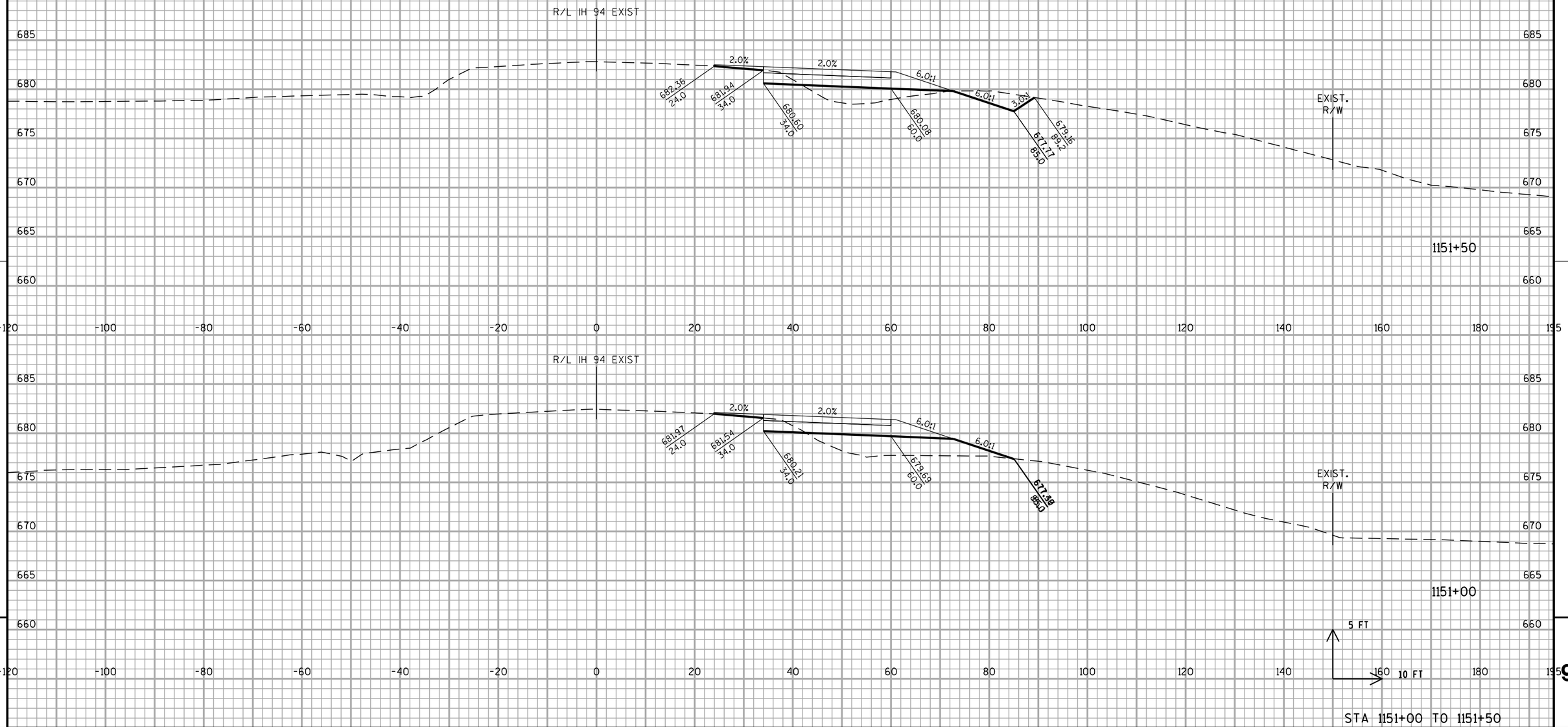
STA 1150+00 TO 1150+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090601_xs_temp(raised).dgn PLOT DATE : 11-JUL-2018 22:21 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp(raised).plt PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1



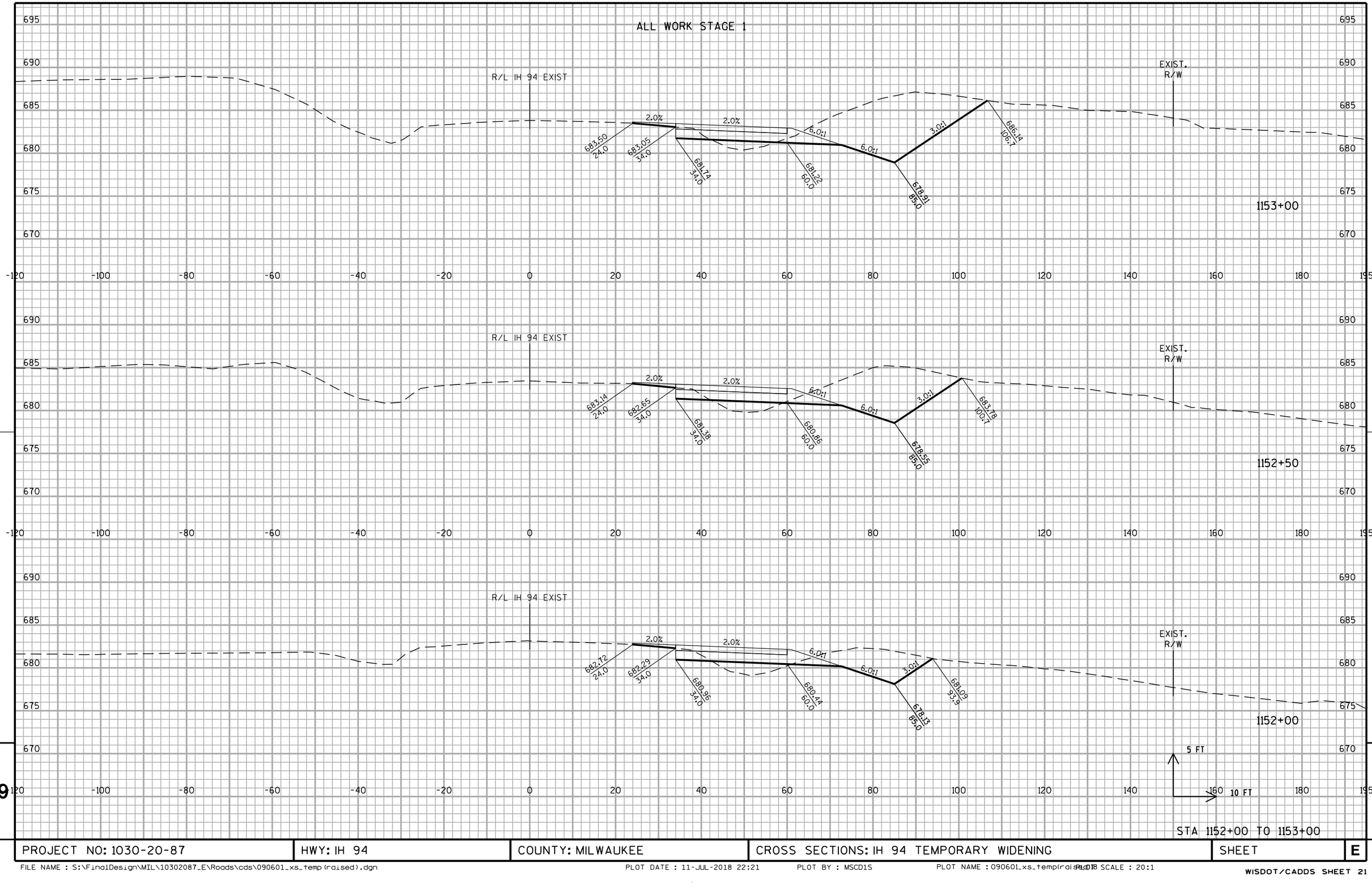
STA 1151+00 TO 1151+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090601_xs_temp(raised).dgn PLOT DATE : 11-JUL-2018 22:21 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp(raised).dgn PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1

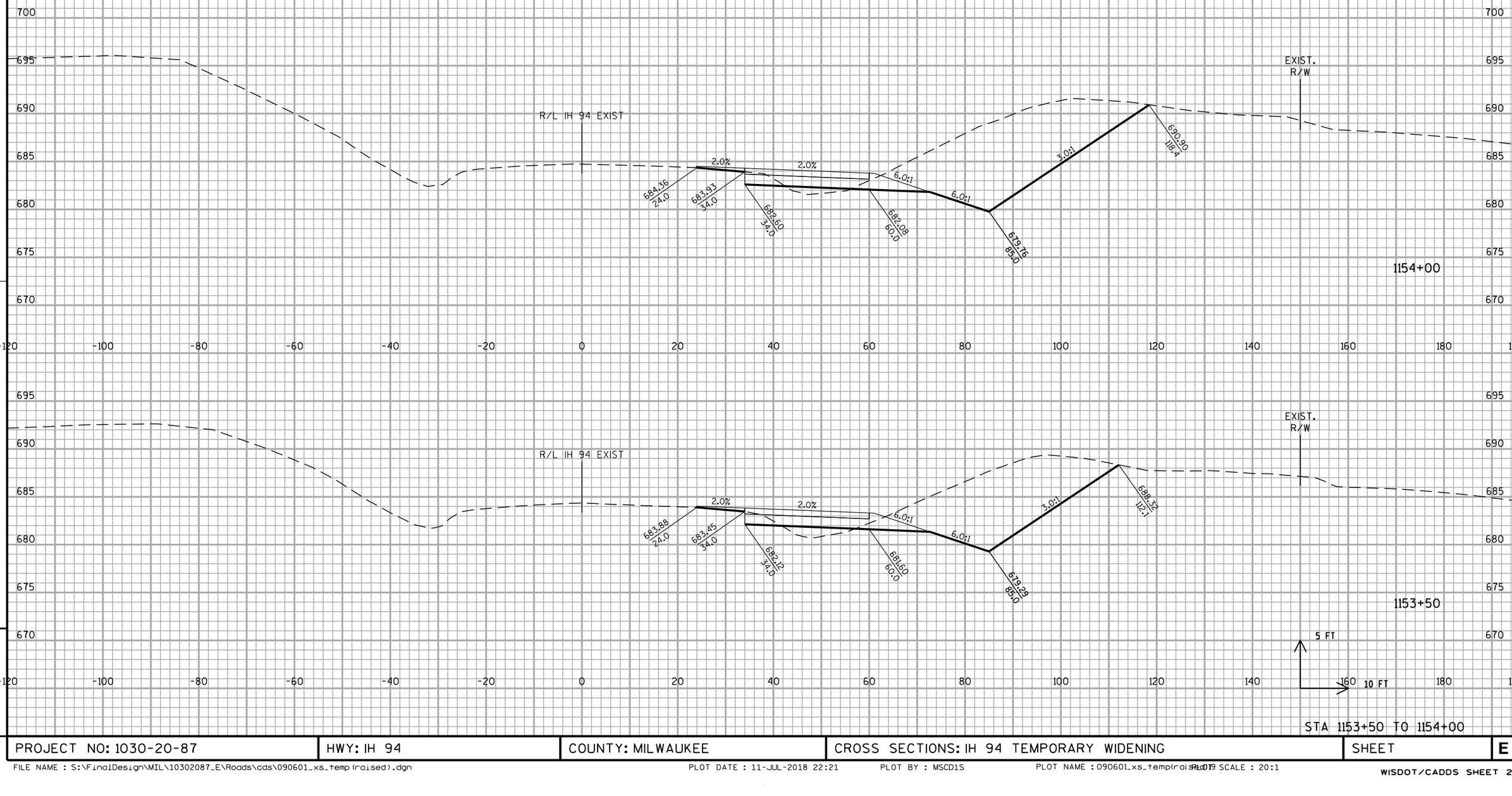


STA 1152+00 TO 1153+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090601_xs_temp(raised).dgn
PLOT DATE : 11-JUL-2018 22:21
PLOT BY : MSCD1S
PLOT NAME : 090601_xs_temp(raised).dgn
PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

ALL WORK STAGE 1



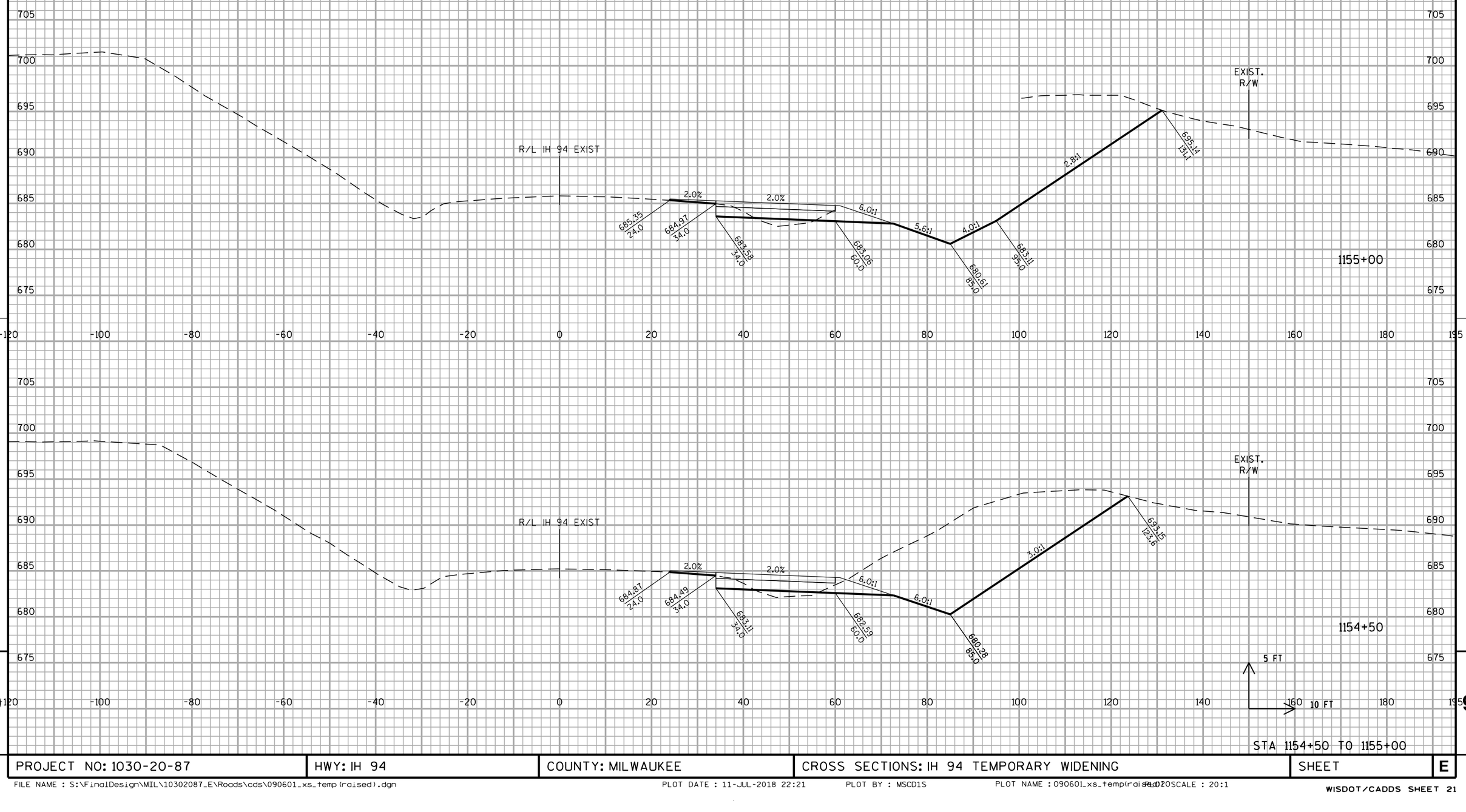
STA 1153+50 TO 1154+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090601_xs_temp(raised).dgn PLOT DATE : 11-JUL-2018 22:21 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp(raised).dgn PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1

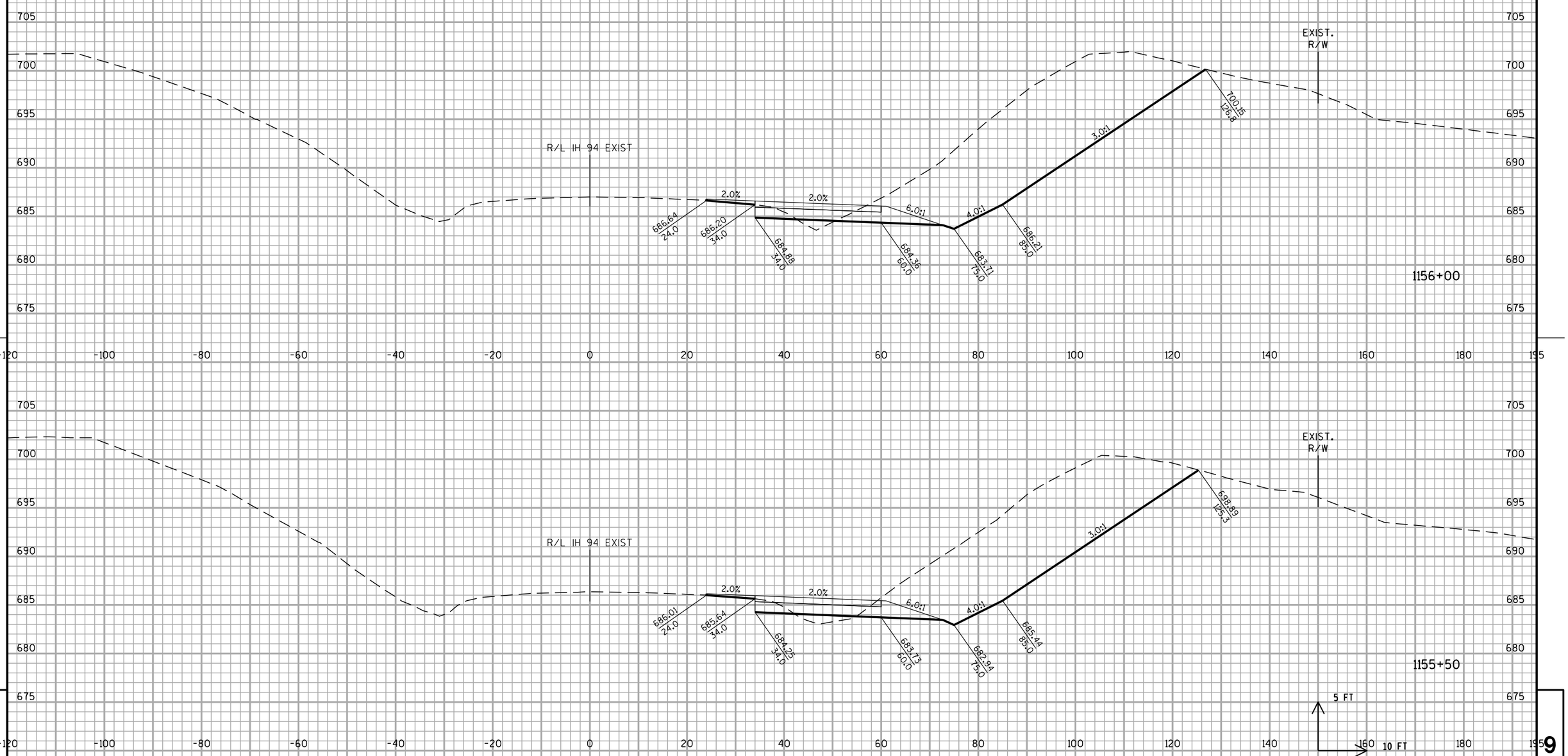


PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090601_xs_temp(raised).dgn PLOT DATE : 11-JUL-2018 22:21 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp(raised).dgn PLOTSCALE : 20:1

WISDOT/CADDS SHEET 21

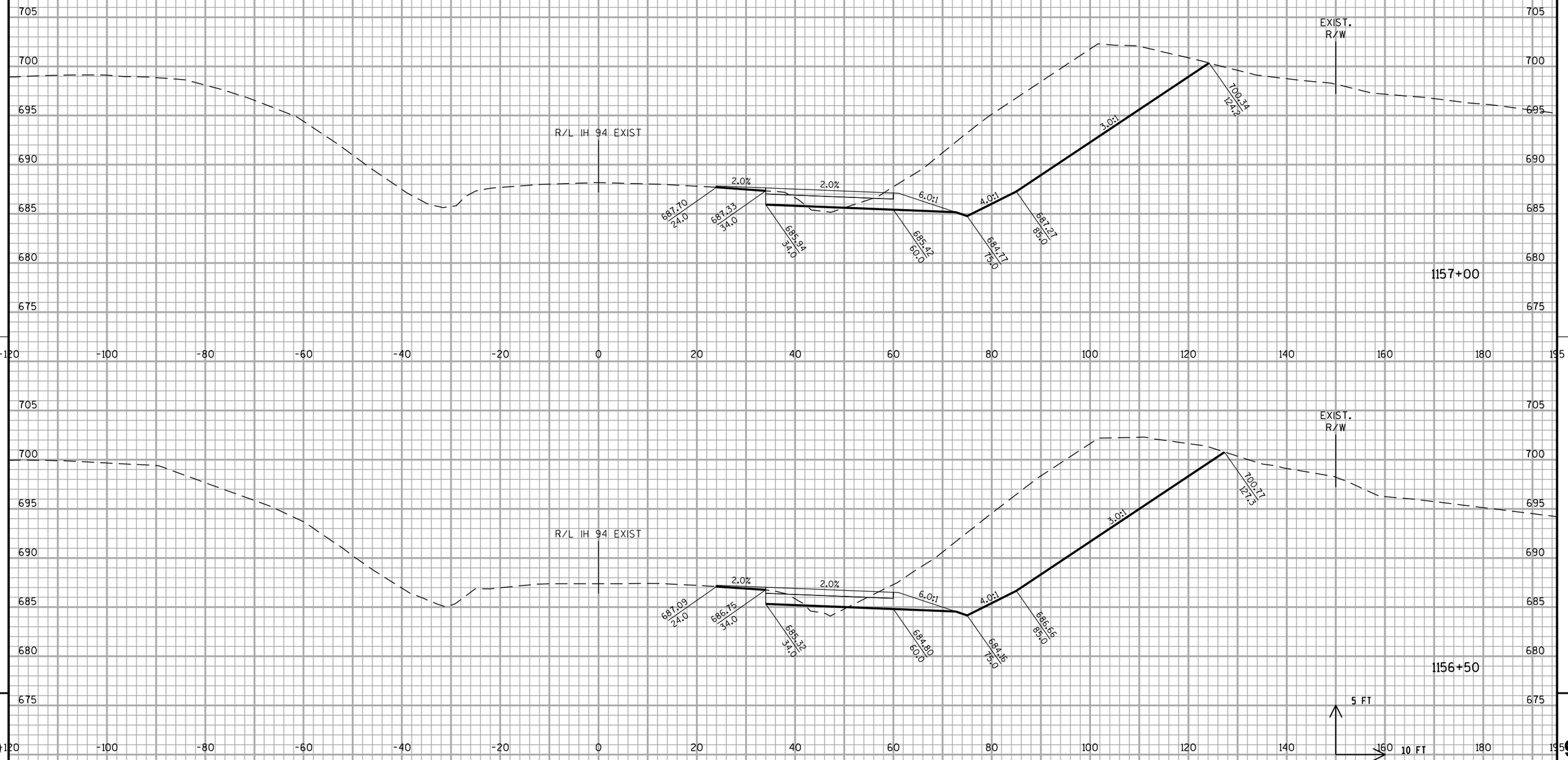
ALL WORK STAGE 1



STA 1155+50 TO 1156+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

ALL WORK STAGE 1



STA 1156+50 TO 1157+00

9

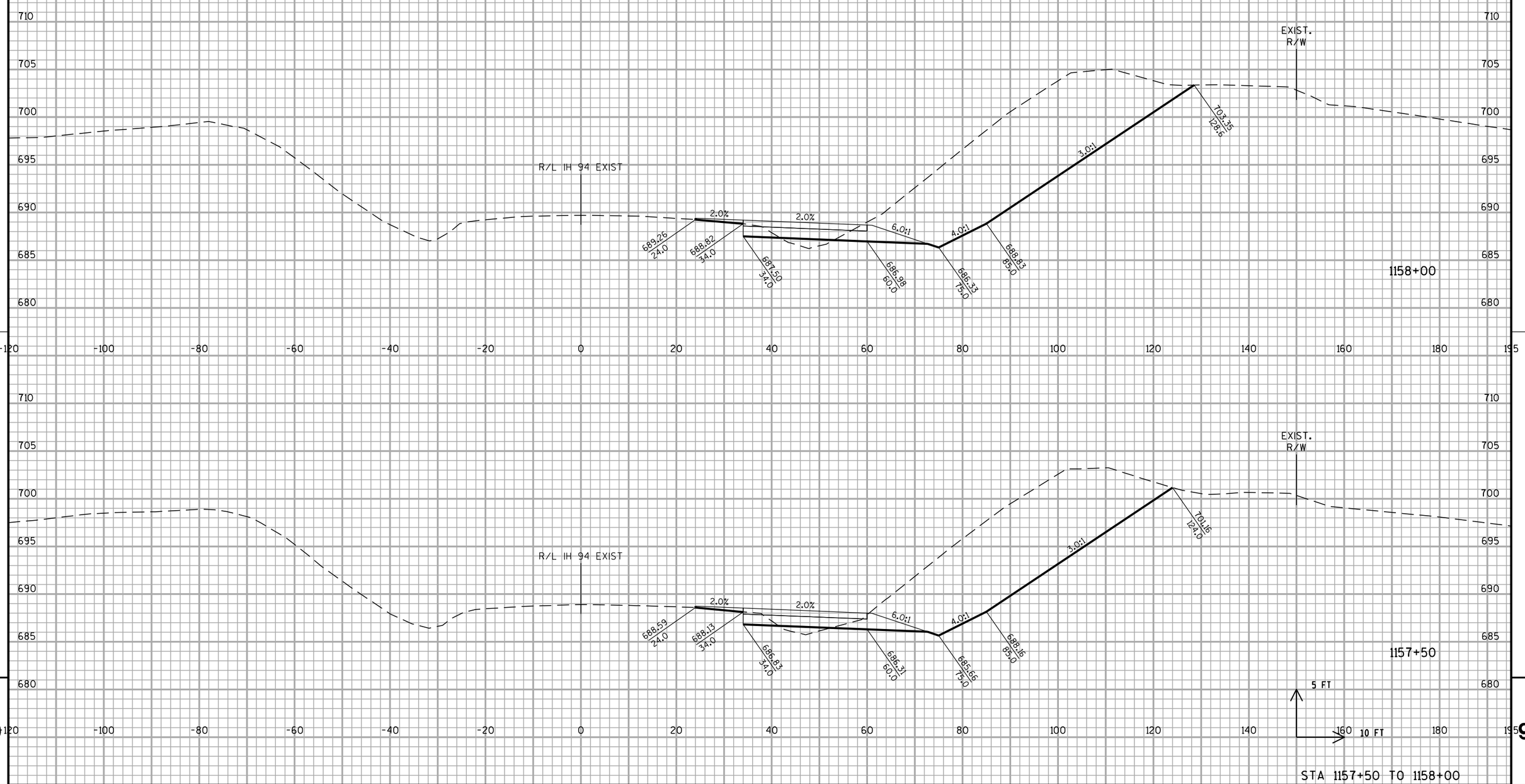
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PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090601_xs_temp(raised).dgn PLOT DATE : 11-JUL-2018 22:21 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp(raised).dgn SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1



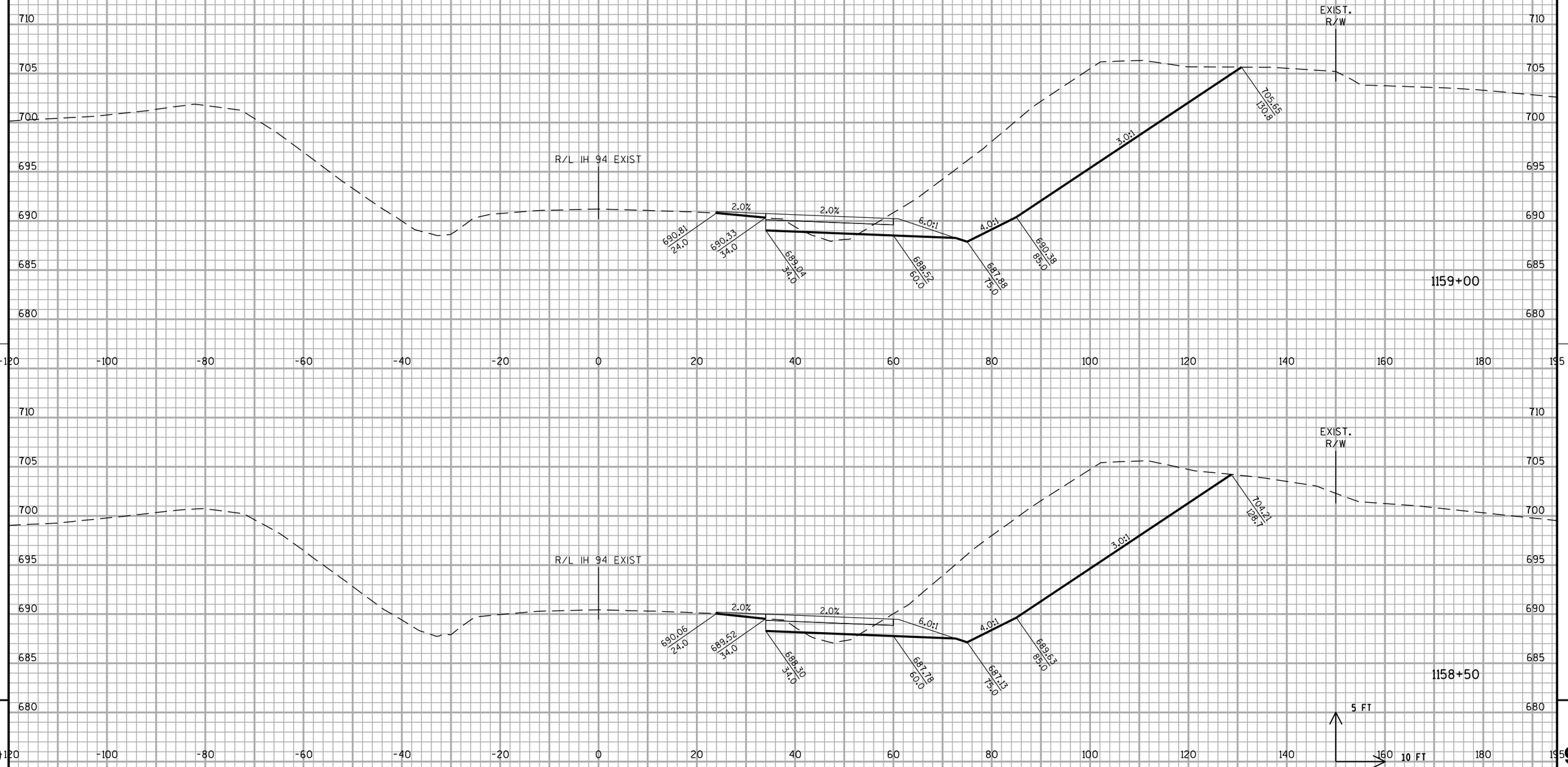
STA 1157+50 TO 1158+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090601_xs_temp(raised).dgn PLOT DATE : 11-JUL-2018 22:21 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp(raised).dgn SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1

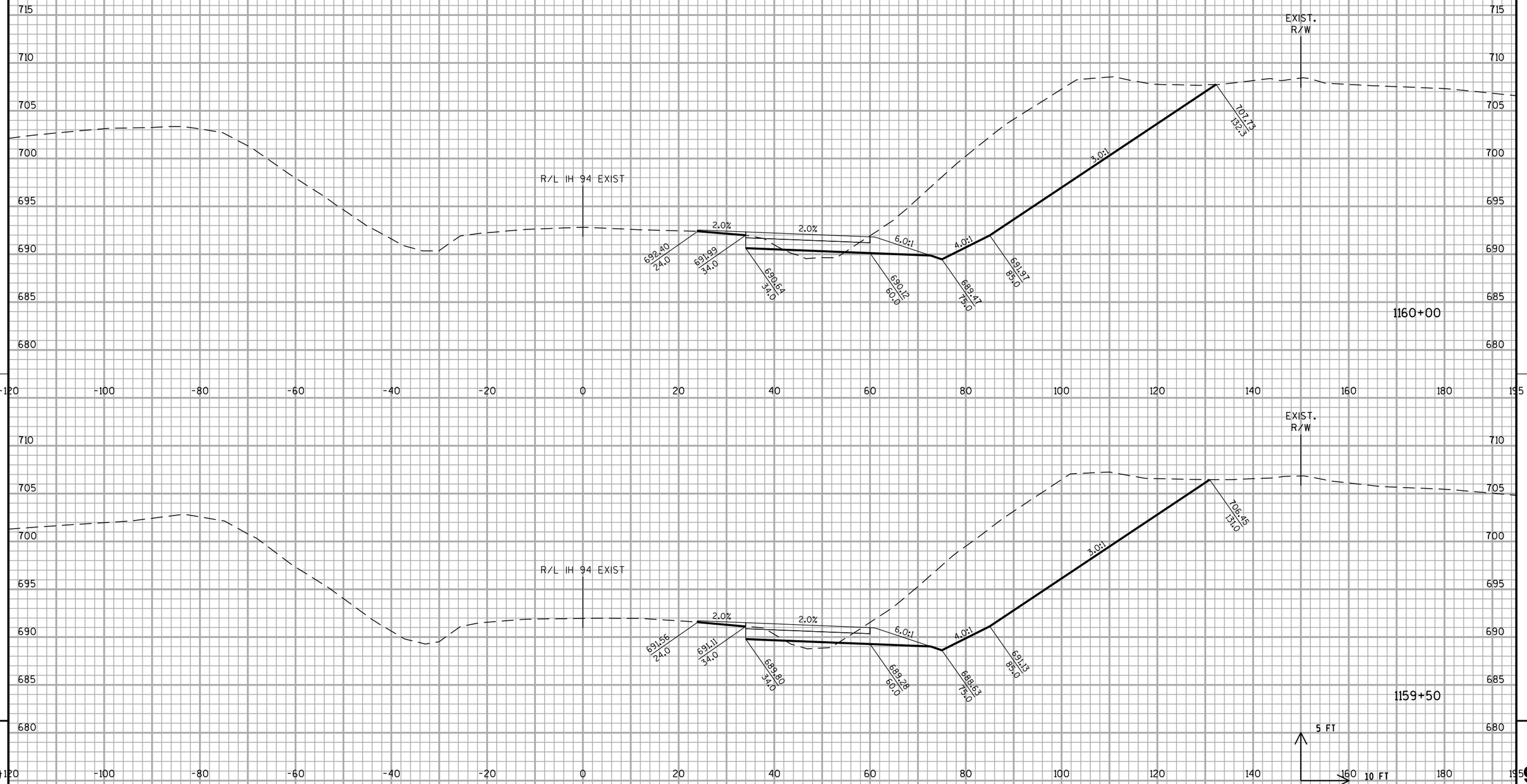


PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090601_xs_temp(raised).dgn PLOT DATE : 11-JUL-2018 22:21 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp(raised).dgn PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1



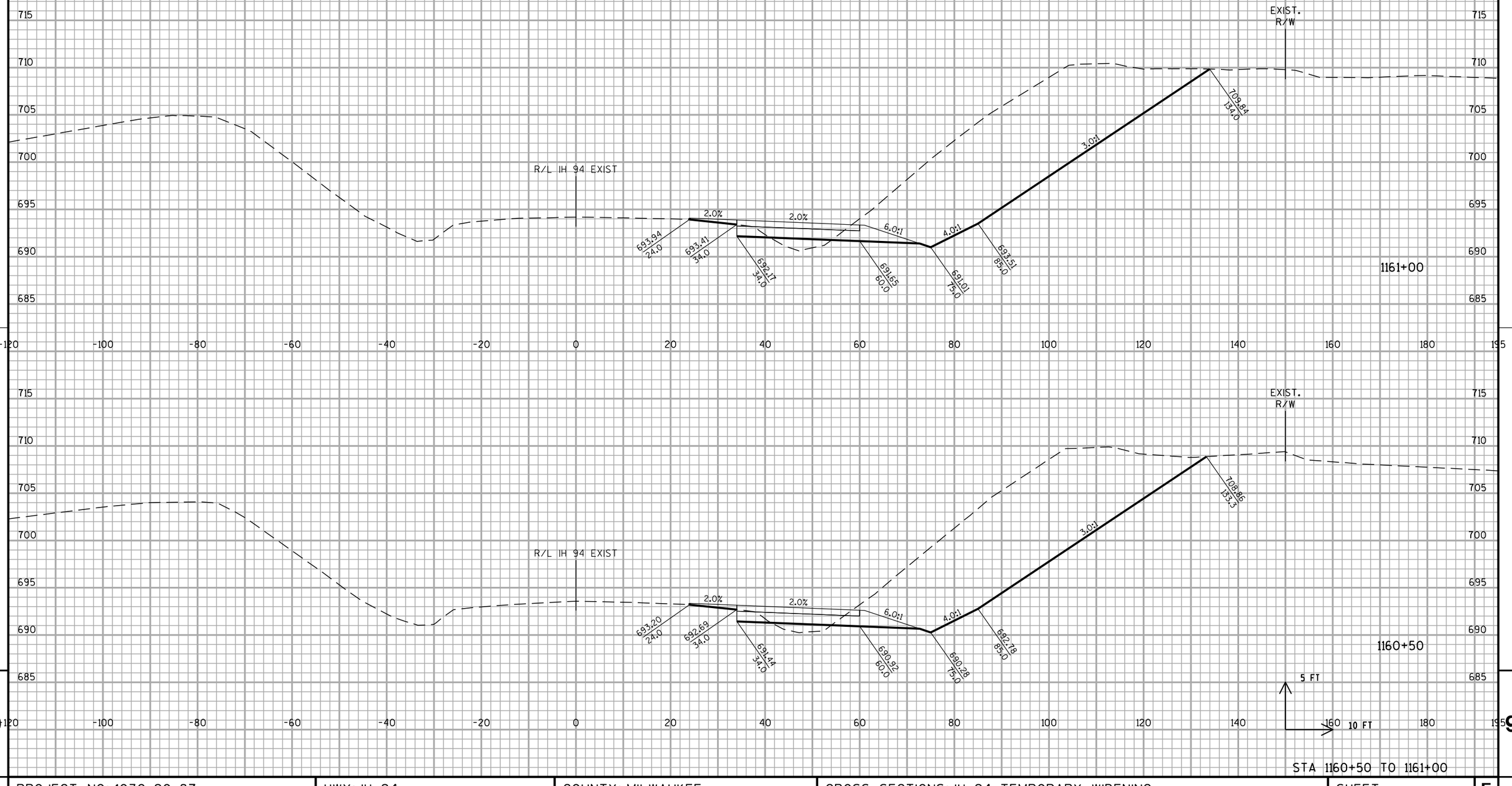
STA 1159+50 TO 1160+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090601_xs_temp(raised).dgn PLOT DATE : 11-JUL-2018 22:21 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp(raised).dgn PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

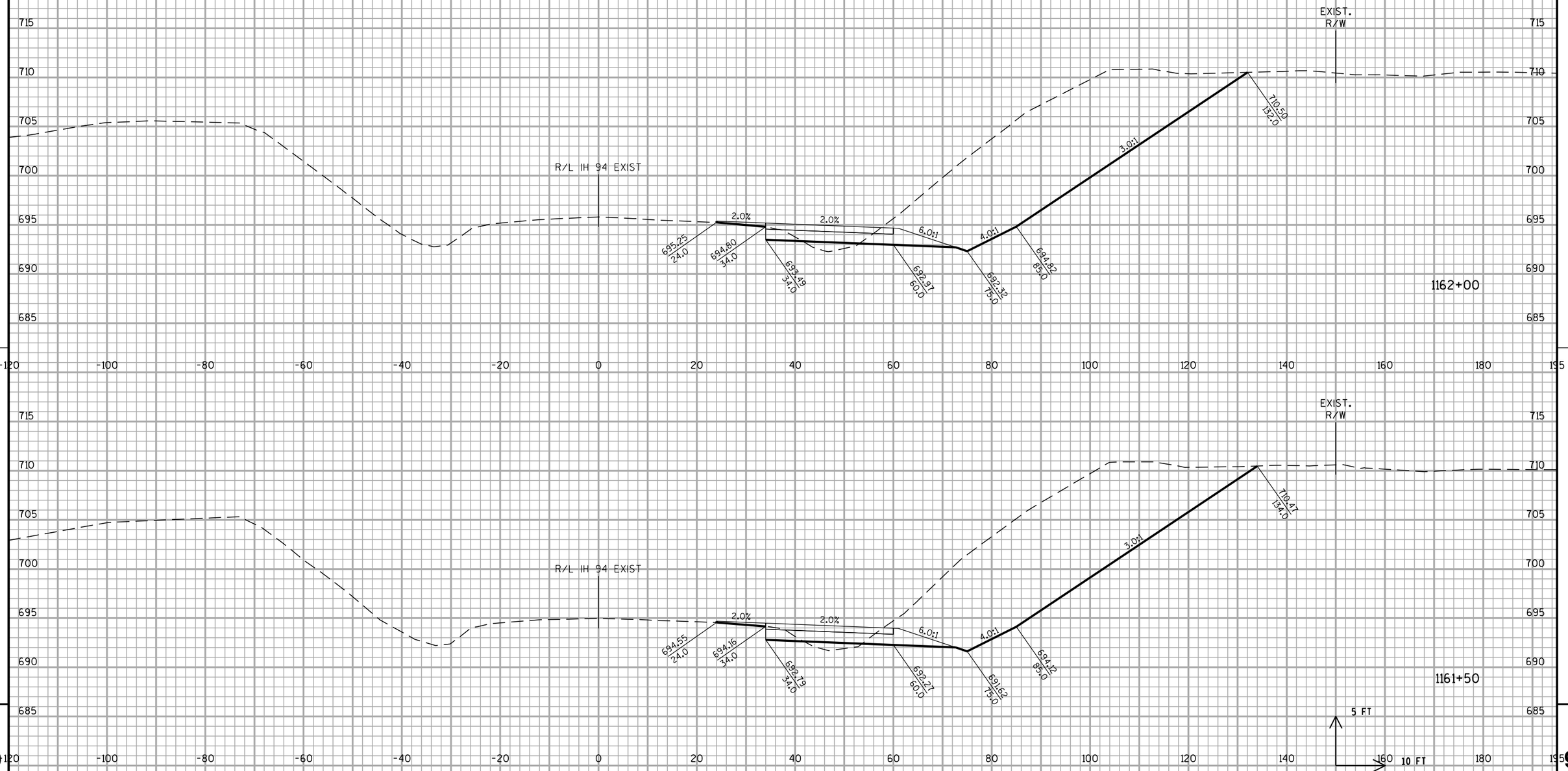
ALL WORK STAGE 1



STA 1160+50 TO 1161+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

ALL WORK STAGE 1

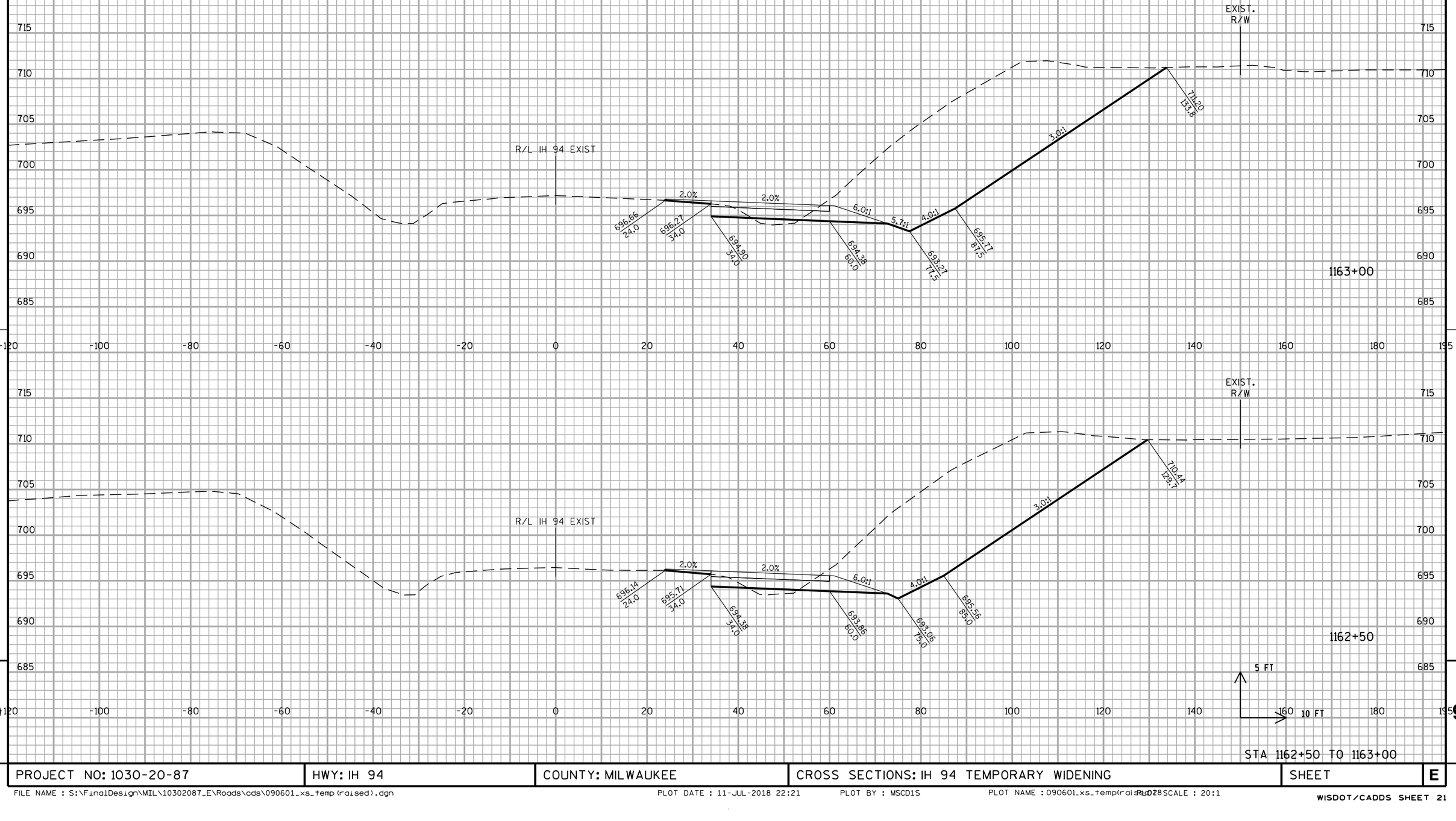


STA 1161+50 TO 1162+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090601_xs_temp(raised).dgn
PLOT DATE : 11-JUL-2018 22:21
PLOT BY : MSCD1S
PLOT NAME : 090601_xs_temp(raised).dgn
PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

ALL WORK STAGE 1



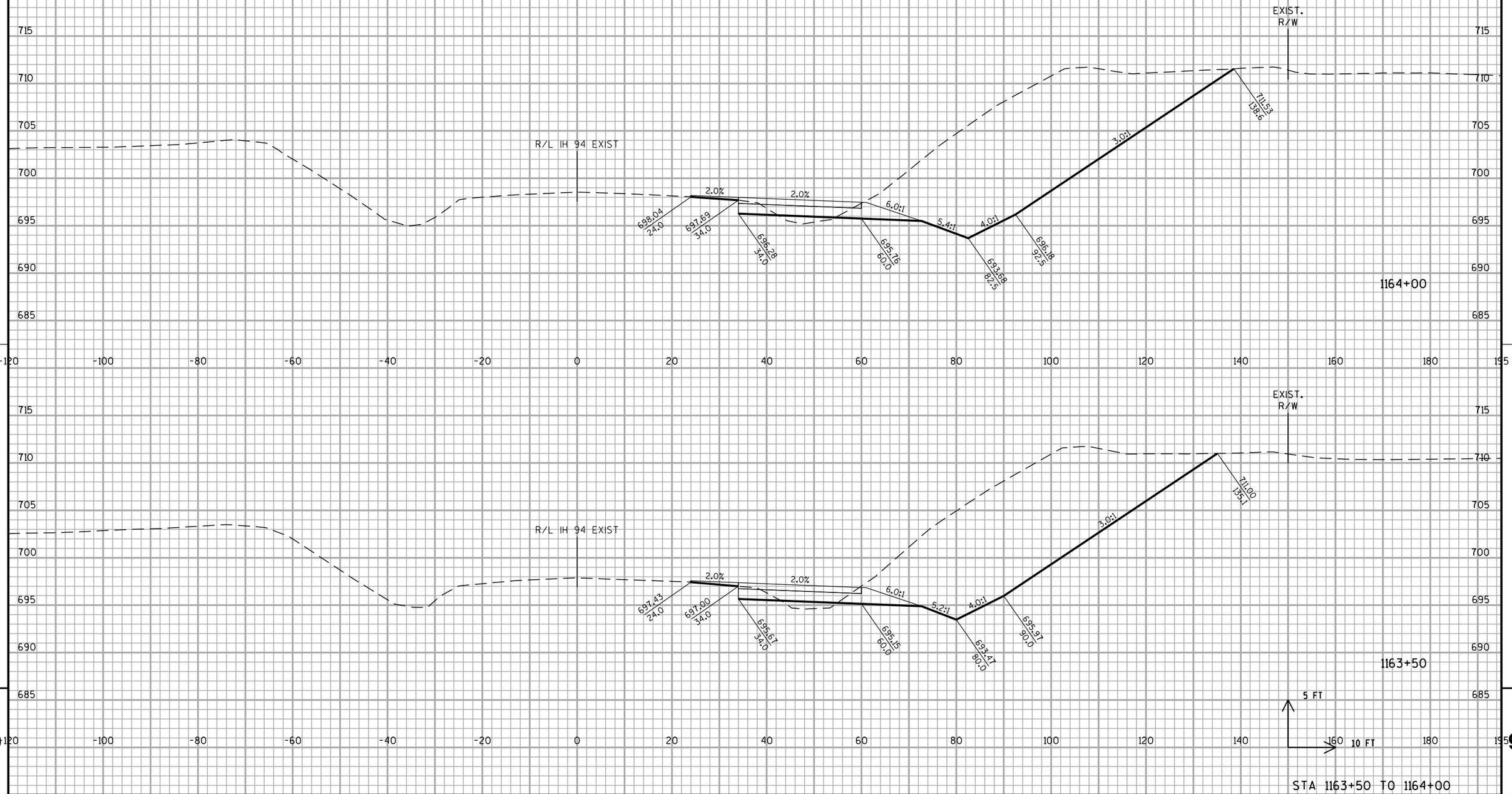
STA 1162+50 TO 1163+00

9 9

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090601_xs_temp(raised).dgn PLOT DATE : 11-JUL-2018 22:21 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp(raised).dgn SCALE : 20:1

ALL WORK STAGE 1

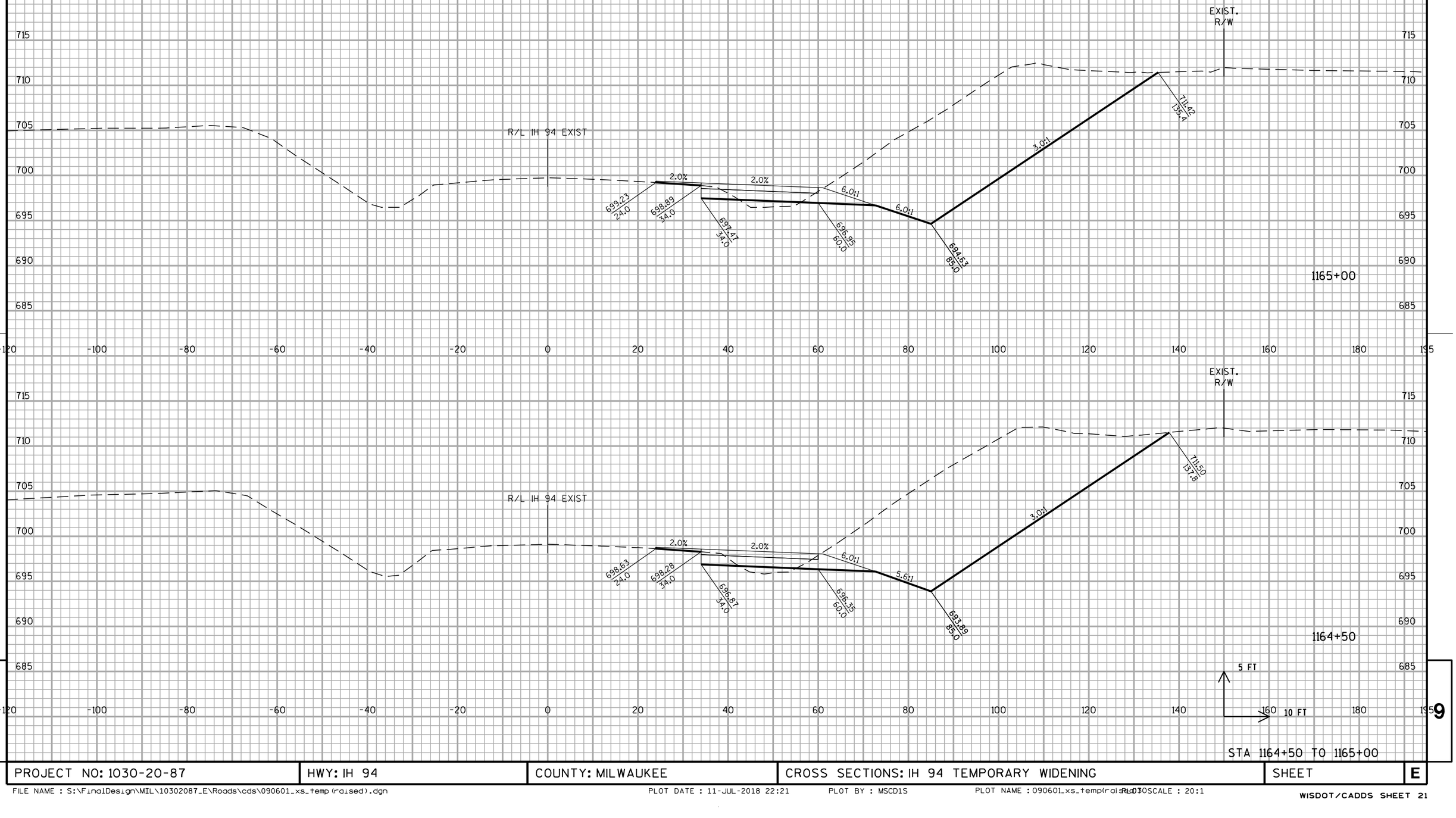


PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090601_xs_temp(raised).dgn PLOT DATE : 11-JUL-2018 22:21 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp(raised).dgn PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1



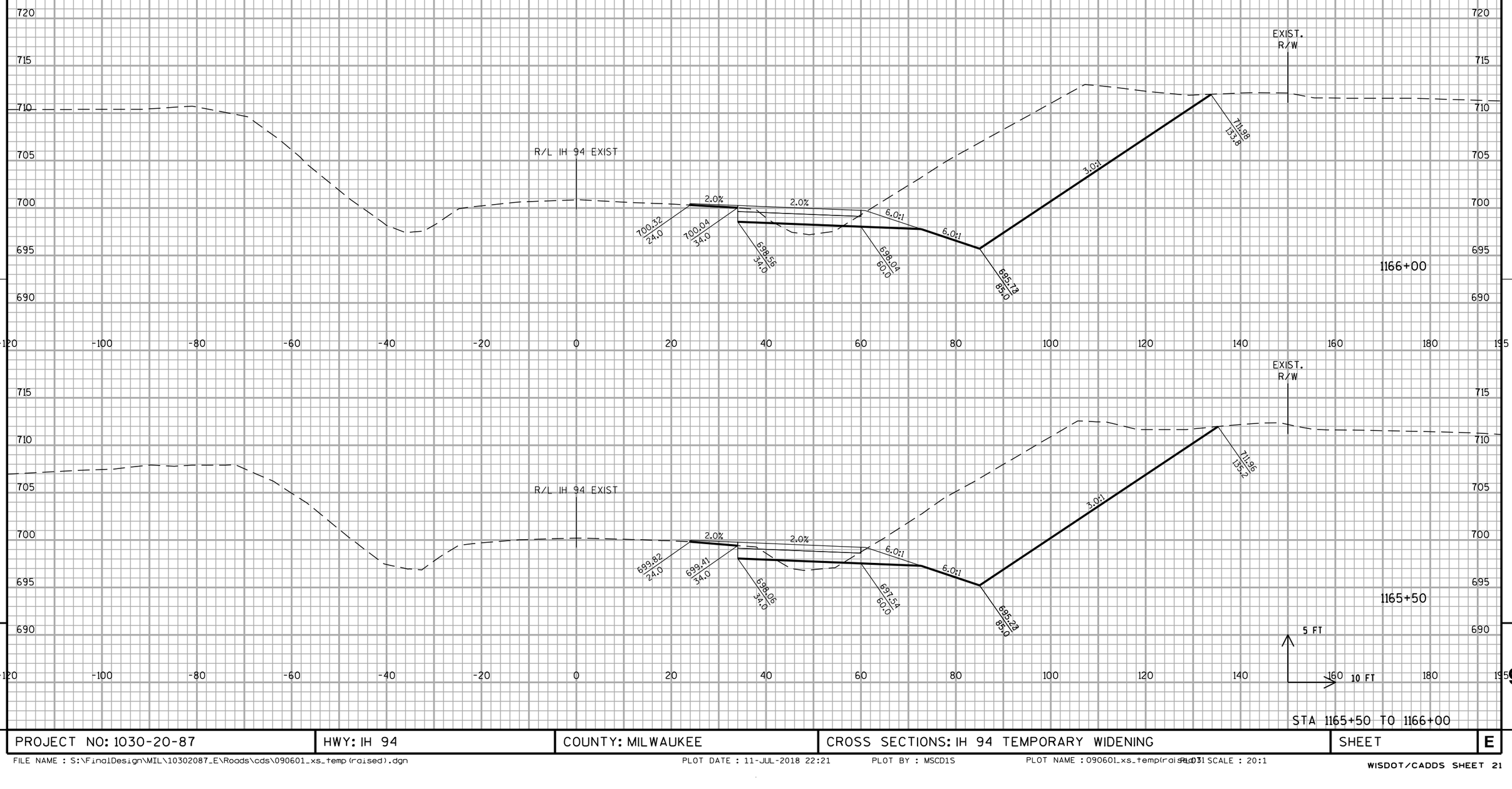
STA 1164+50 TO 1165+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090601_xs_temp(raised).dgn PLOT DATE : 11-JUL-2018 22:21 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp(raised).dgn PLOTSCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1



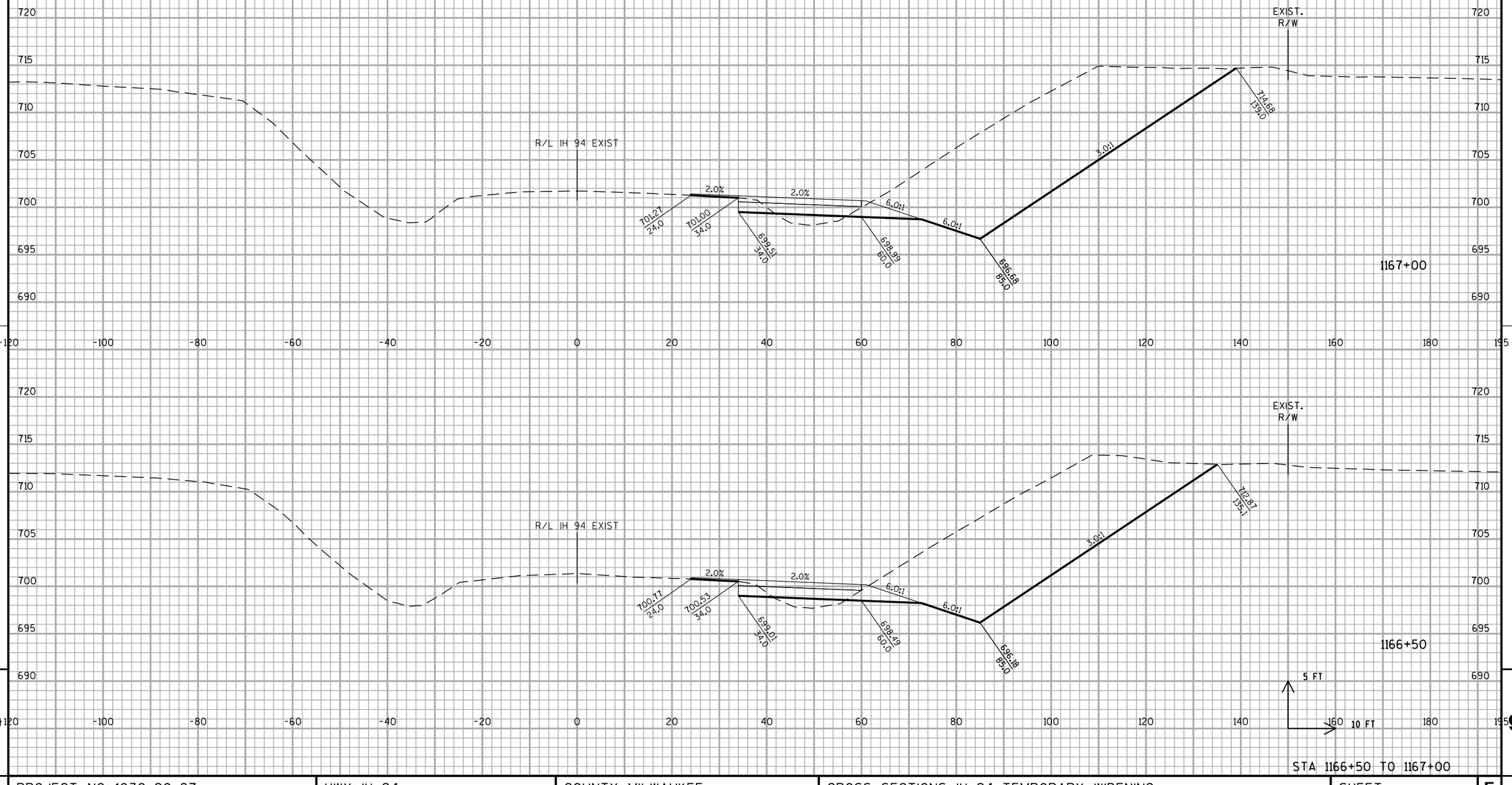
STA 1165+50 TO 1166+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090601_xs_temp(raised).dgn PLOT DATE : 11-JUL-2018 22:21 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp(raised).dgn PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1



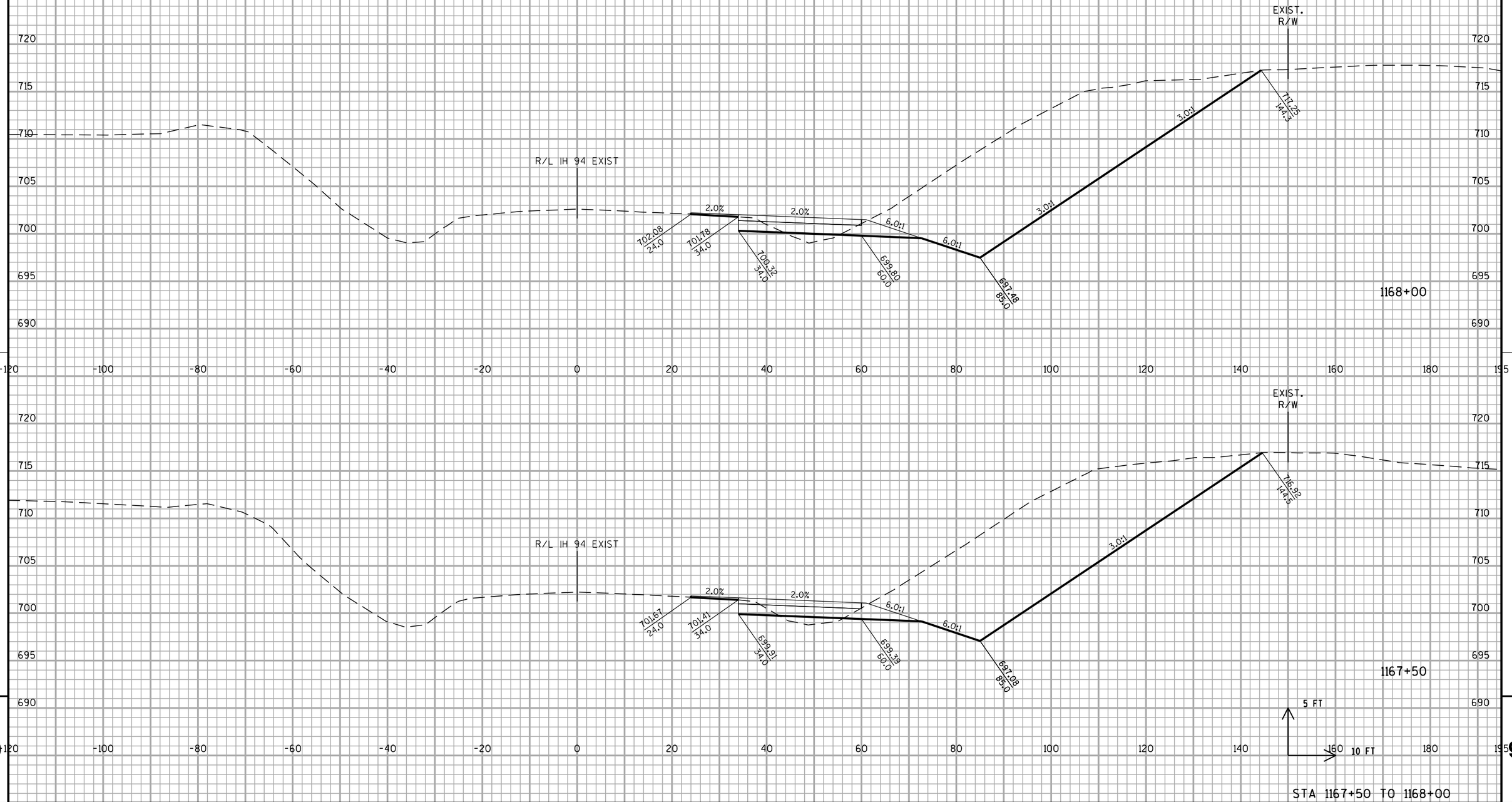
STA 1166+50 TO 1167+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090601_xs_temp(raised).dgn PLOT DATE : 11-JUL-2018 22:21 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp(raised).dgn PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1



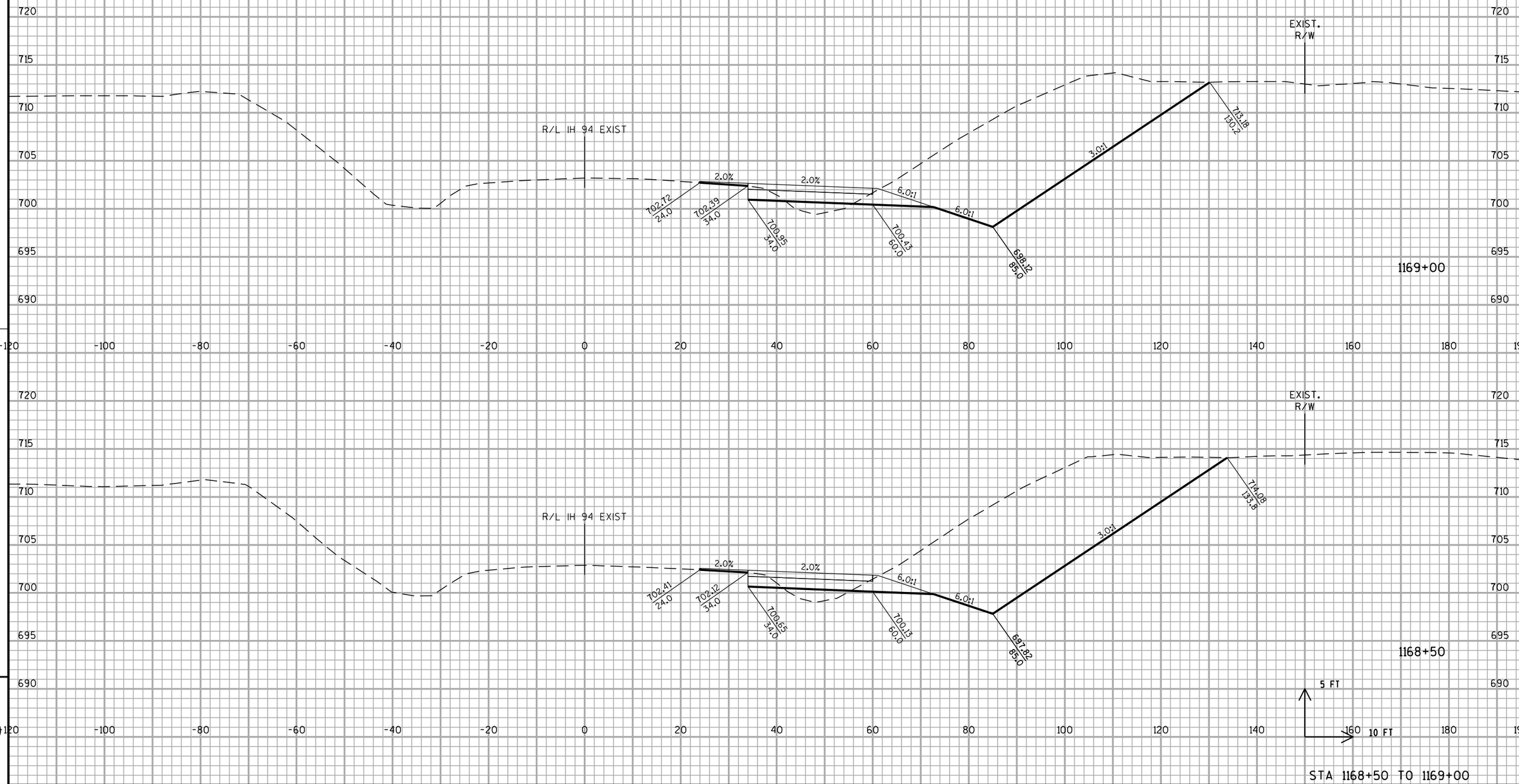
STA 1167+50 TO 1168+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090601_xs_temp(raised).dgn PLOT DATE : 11-JUL-2018 22:21 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp(raised).dgn SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1



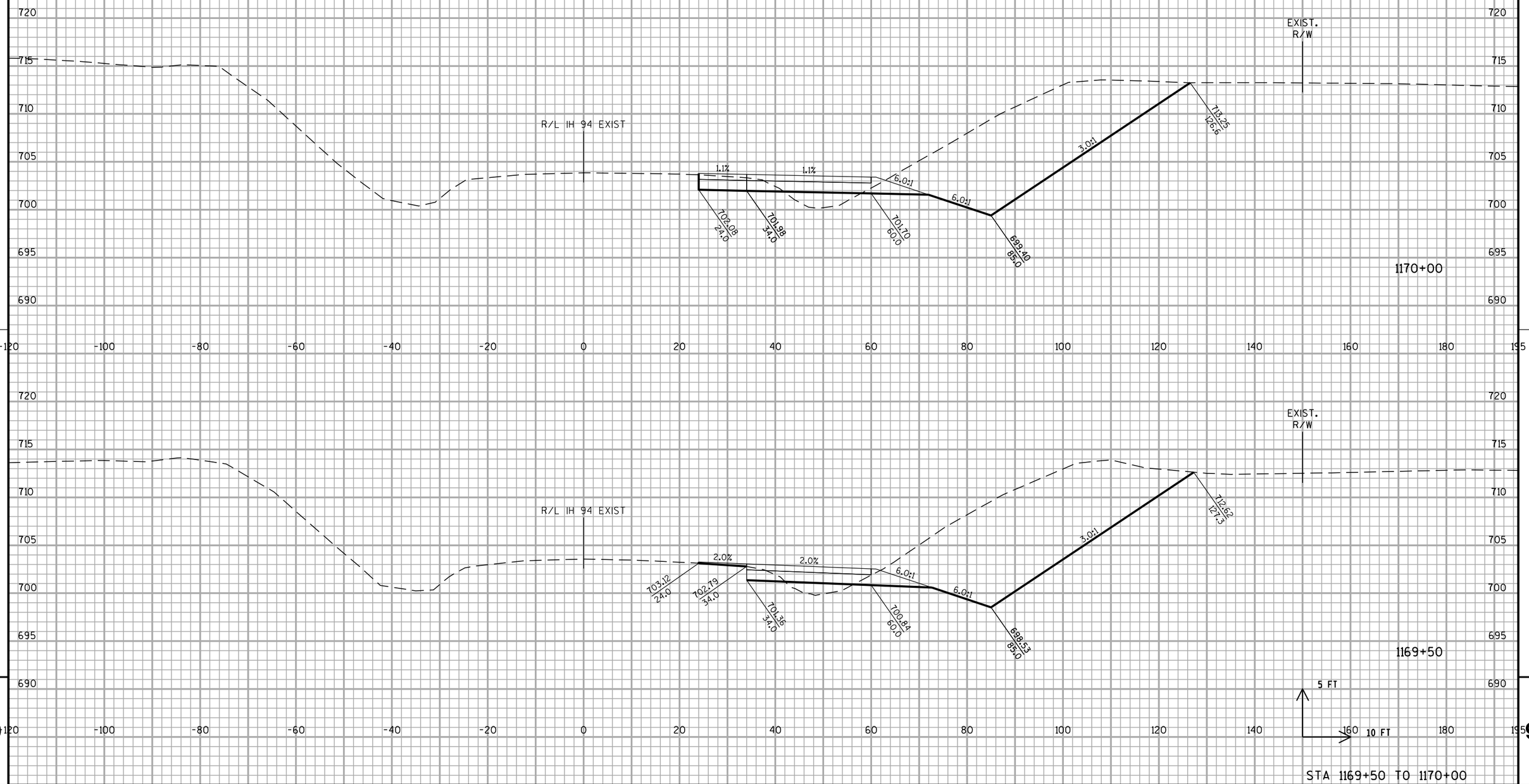
STA 1168+50 TO 1169+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090601_xs_temp(raised).dgn PLOT DATE : 11-JUL-2018 22:21 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp(raised).dgn PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

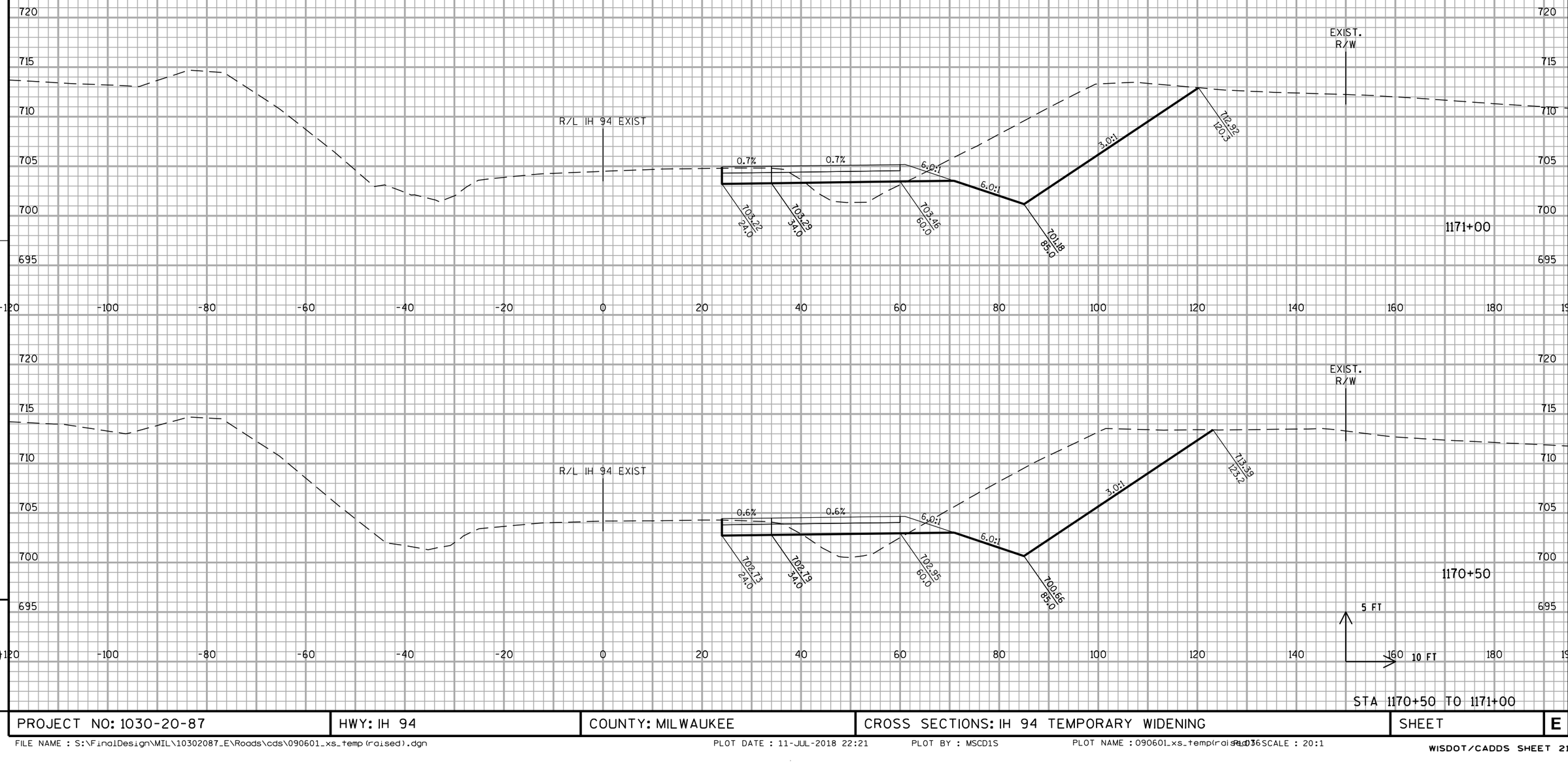
ALL WORK STAGE 1



STA 1169+50 TO 1170+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

ALL WORK STAGE 1



STA 1170+50 TO 1171+00

9

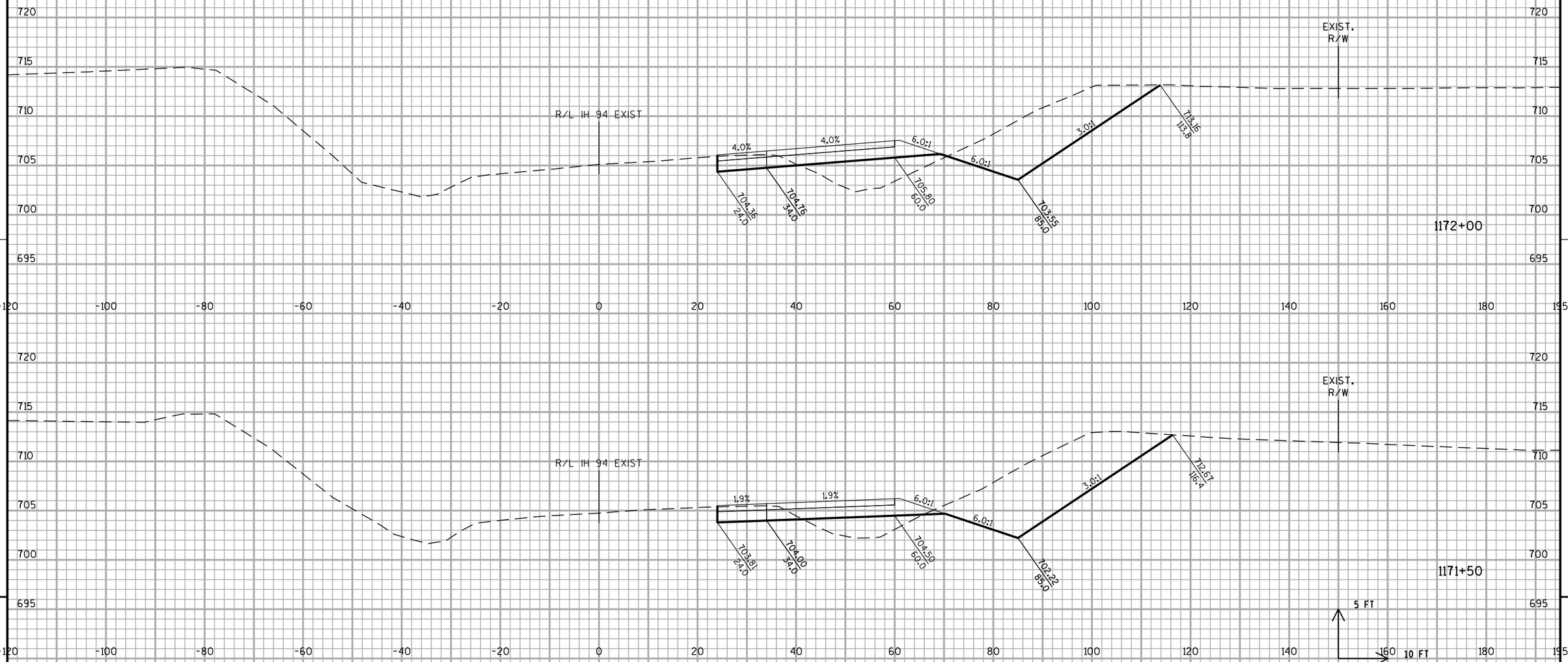
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PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090601_xs_temp(raised).dgn PLOT DATE : 11-JUL-2018 22:21 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp(raised).dgn PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1



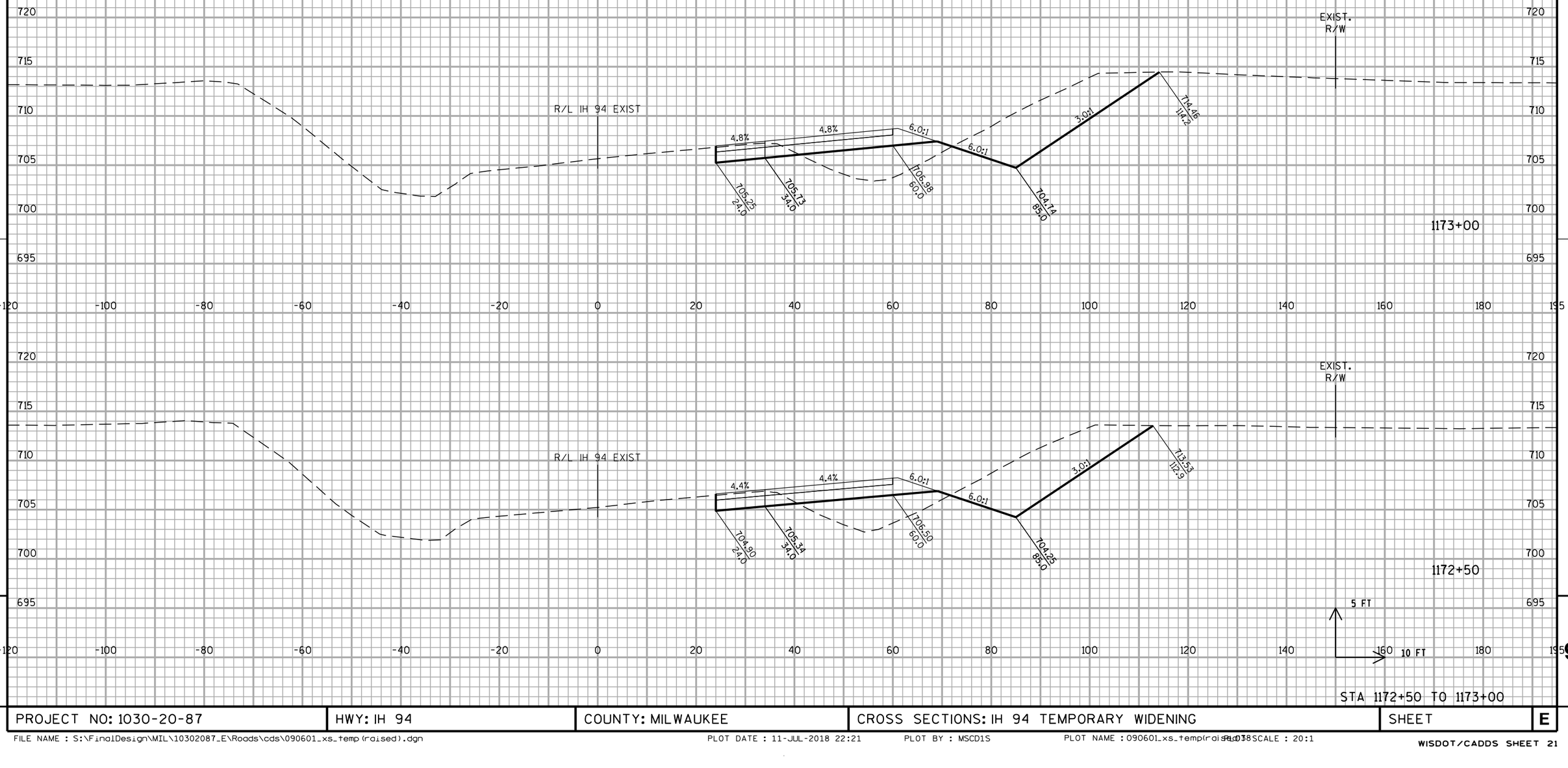
STA 1171+50 TO 1172+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

9

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090601_xs_temp(raised).dgn
PLOT DATE : 11-JUL-2018 22:21
PLOT BY : MSCD1S
PLOT NAME : 090601_xs_temp(raised).dgn
PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

ALL WORK STAGE 1



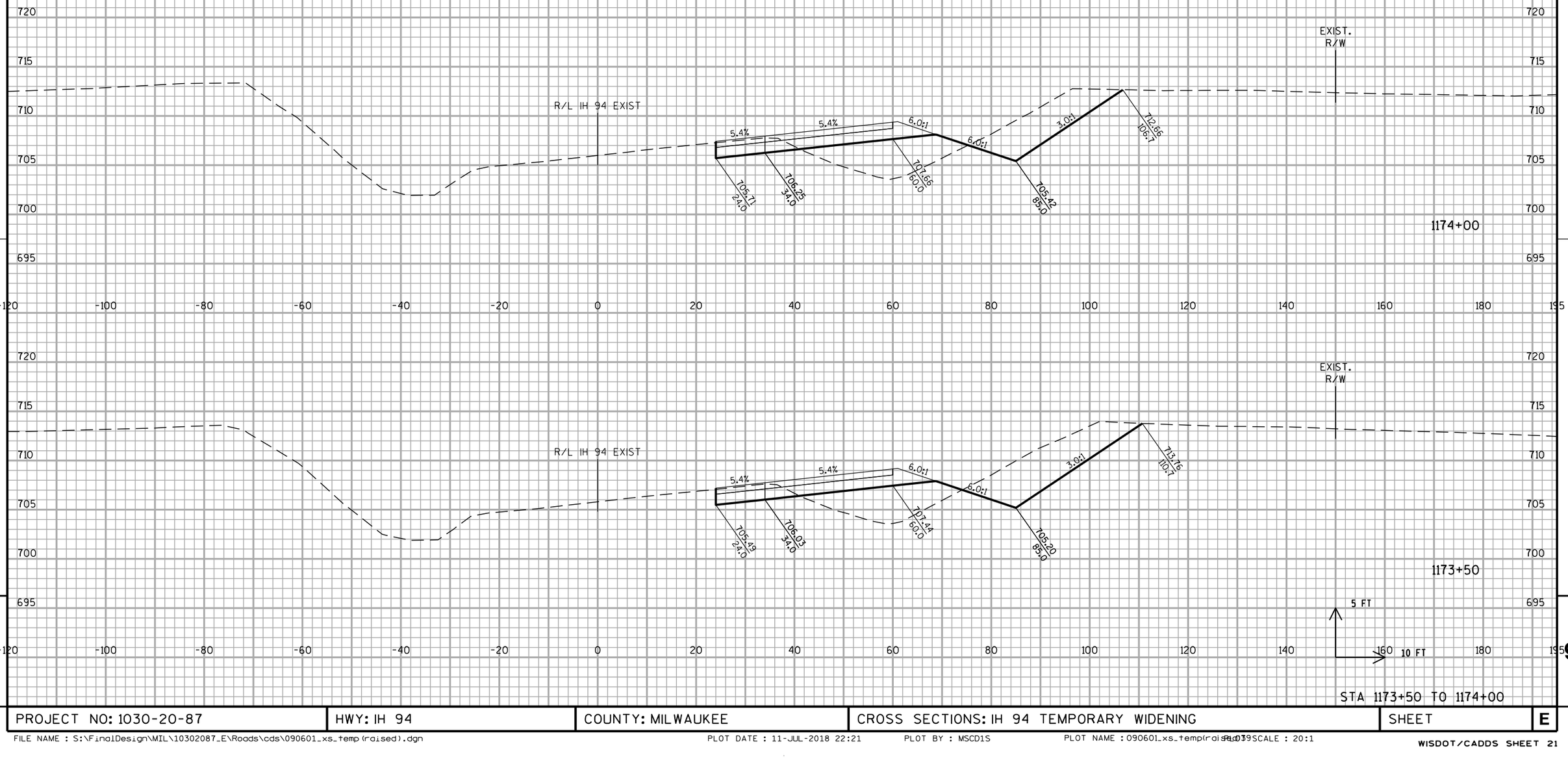
STA 1172+50 TO 1173+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090601_xs_temp(raised).dgn PLOT DATE : 11-JUL-2018 22:21 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp(raised).dgn PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

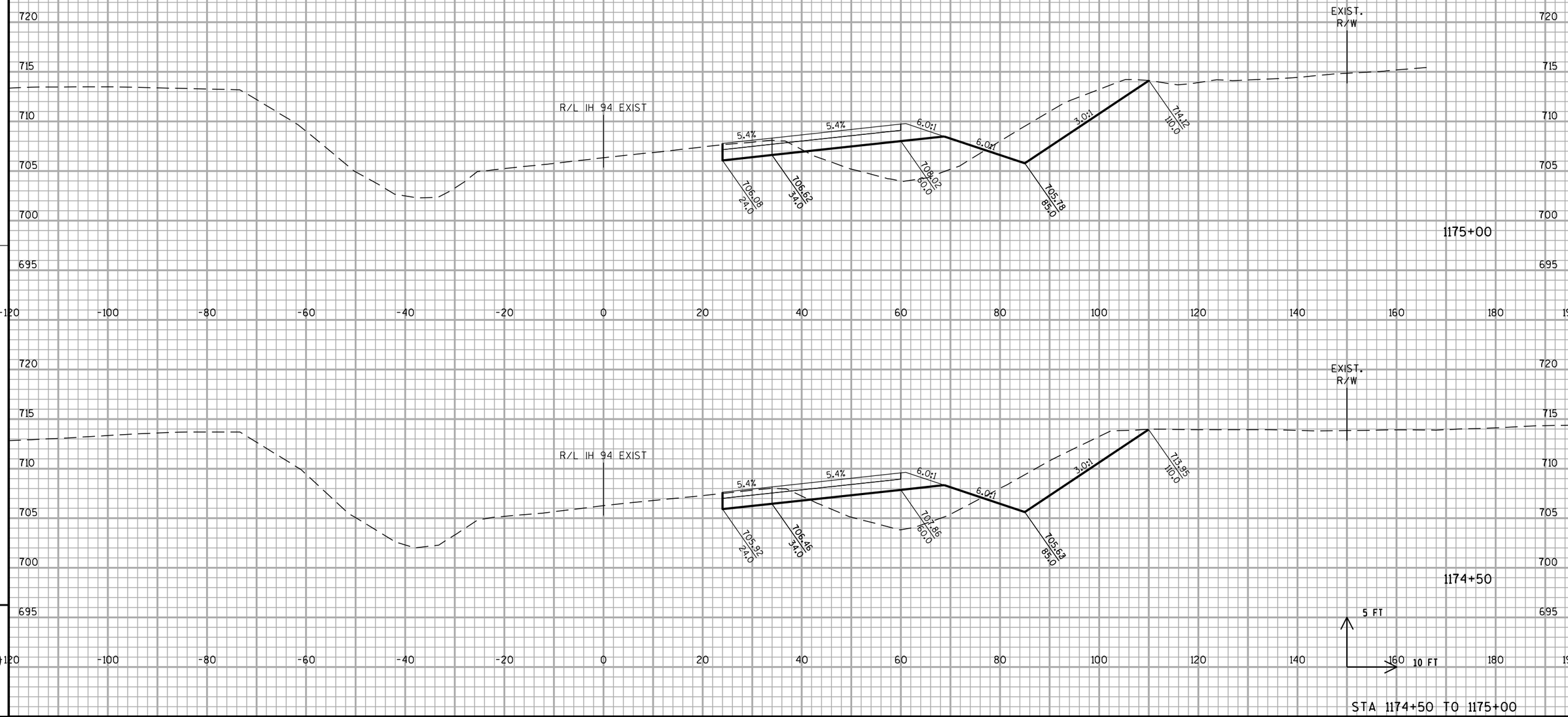
ALL WORK STAGE 1



STA 1173+50 TO 1174+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

ALL WORK STAGE 1



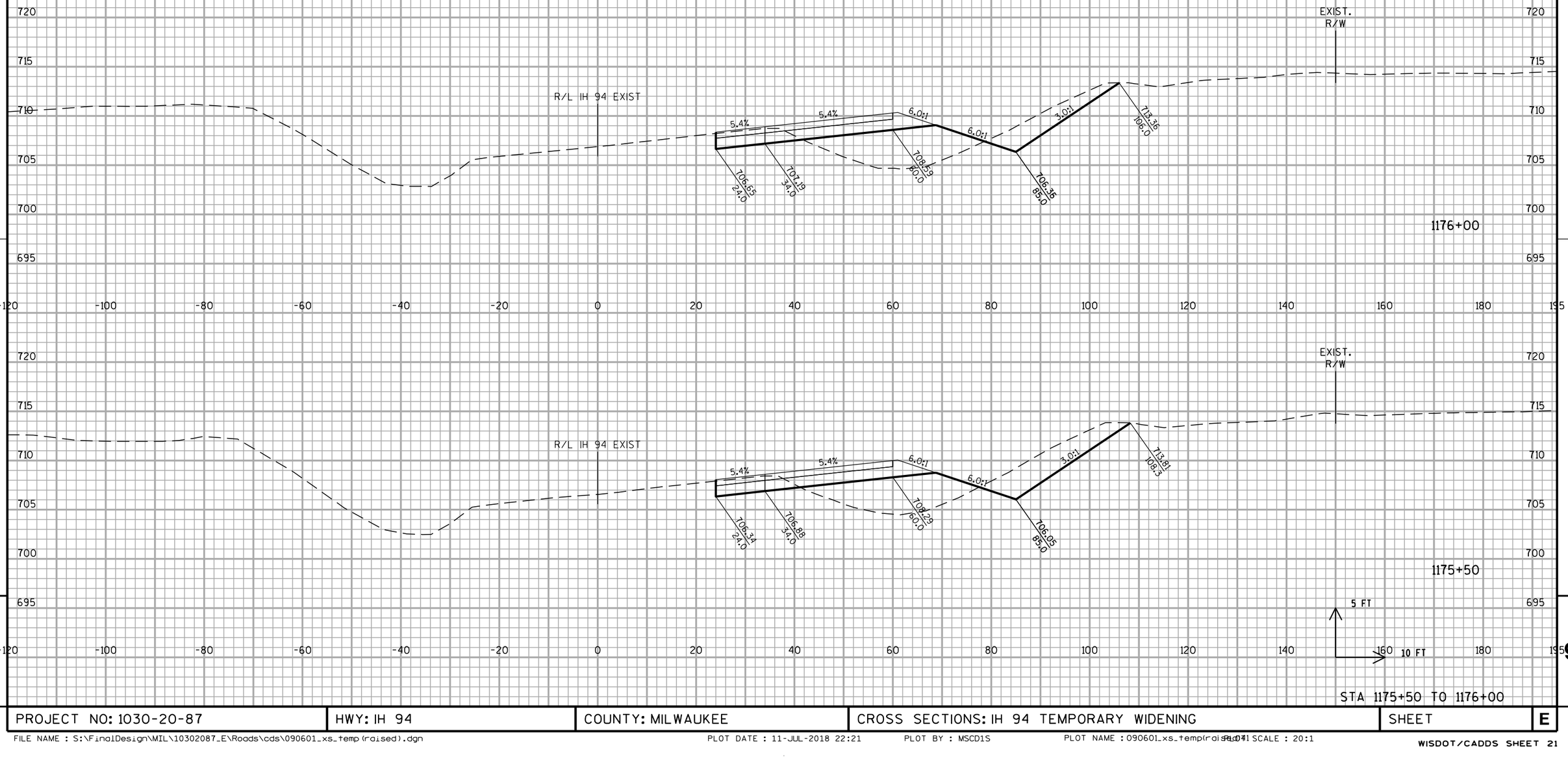
STA 1174+50 TO 1175+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090601_xs_temp(raised).dgn PLOT DATE : 11-JUL-2018 22:21 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp(raised).dgn PLOTSCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1



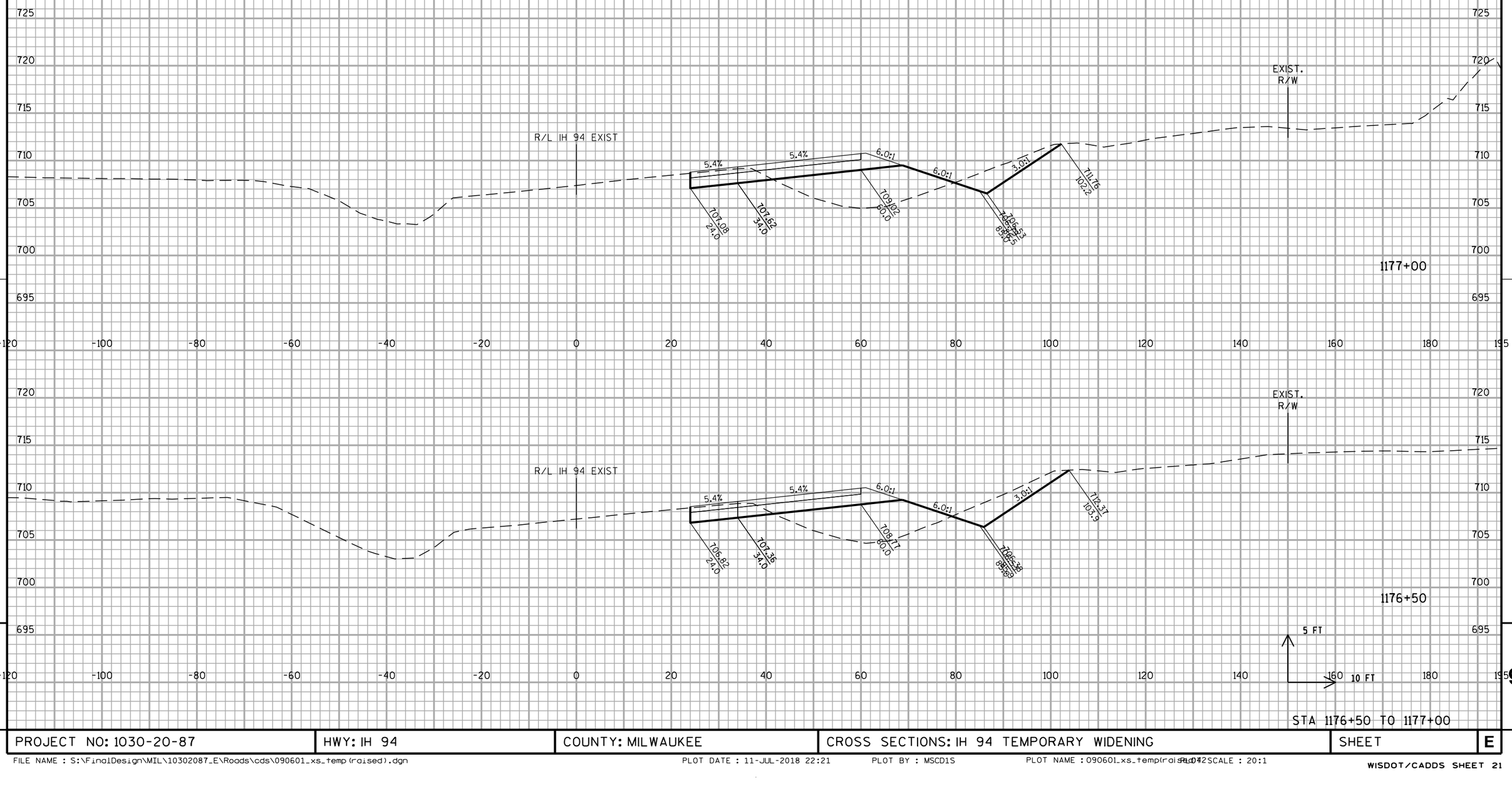
STA 1175+50 TO 1176+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090601_xs_temp(raised).dgn PLOT DATE : 11-JUL-2018 22:21 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp(raised).dgn PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1



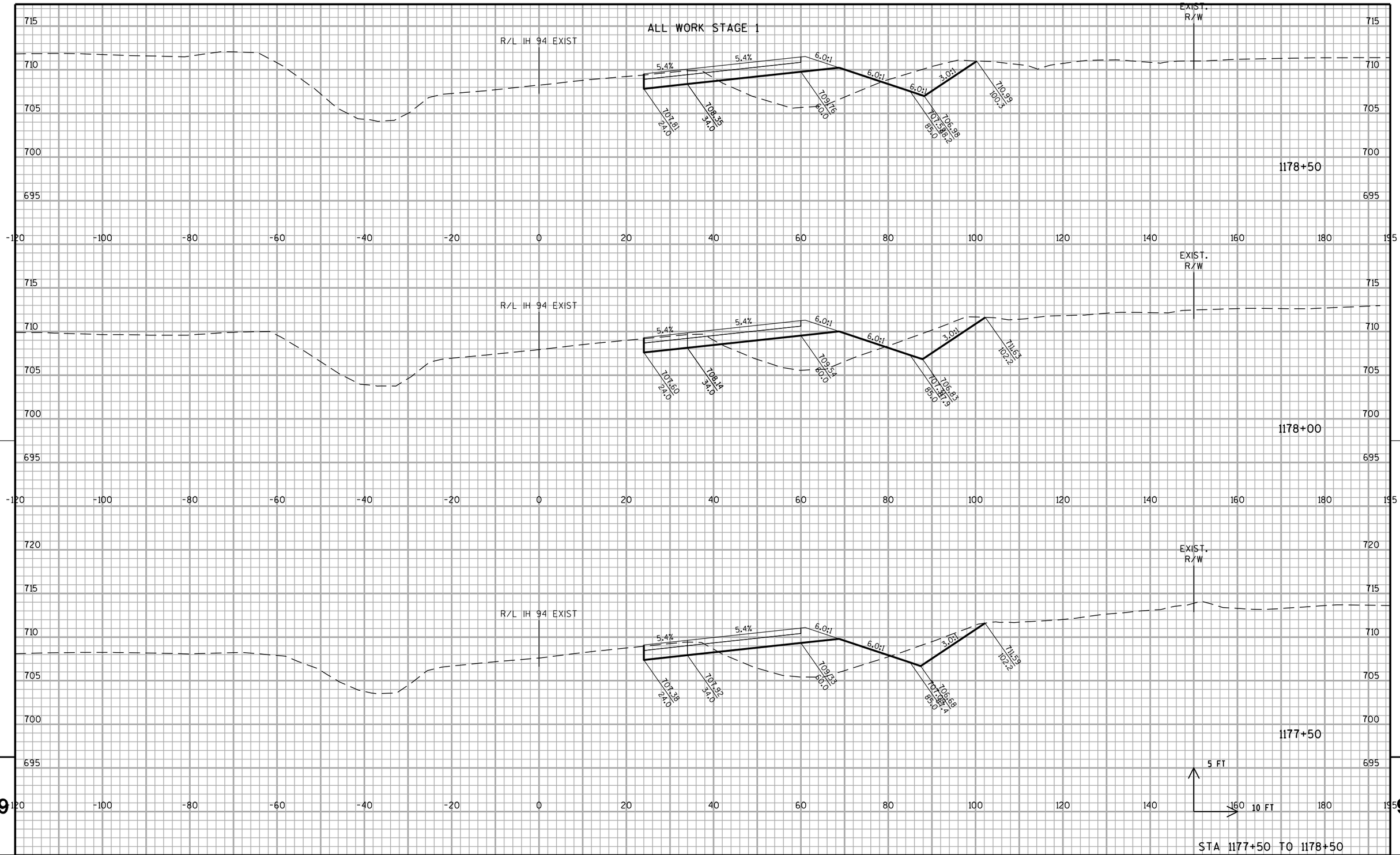
STA 1176+50 TO 1177+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090601_xs_temp(raised).dgn PLOT DATE : 11-JUL-2018 22:21 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp(raised).dgn PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1



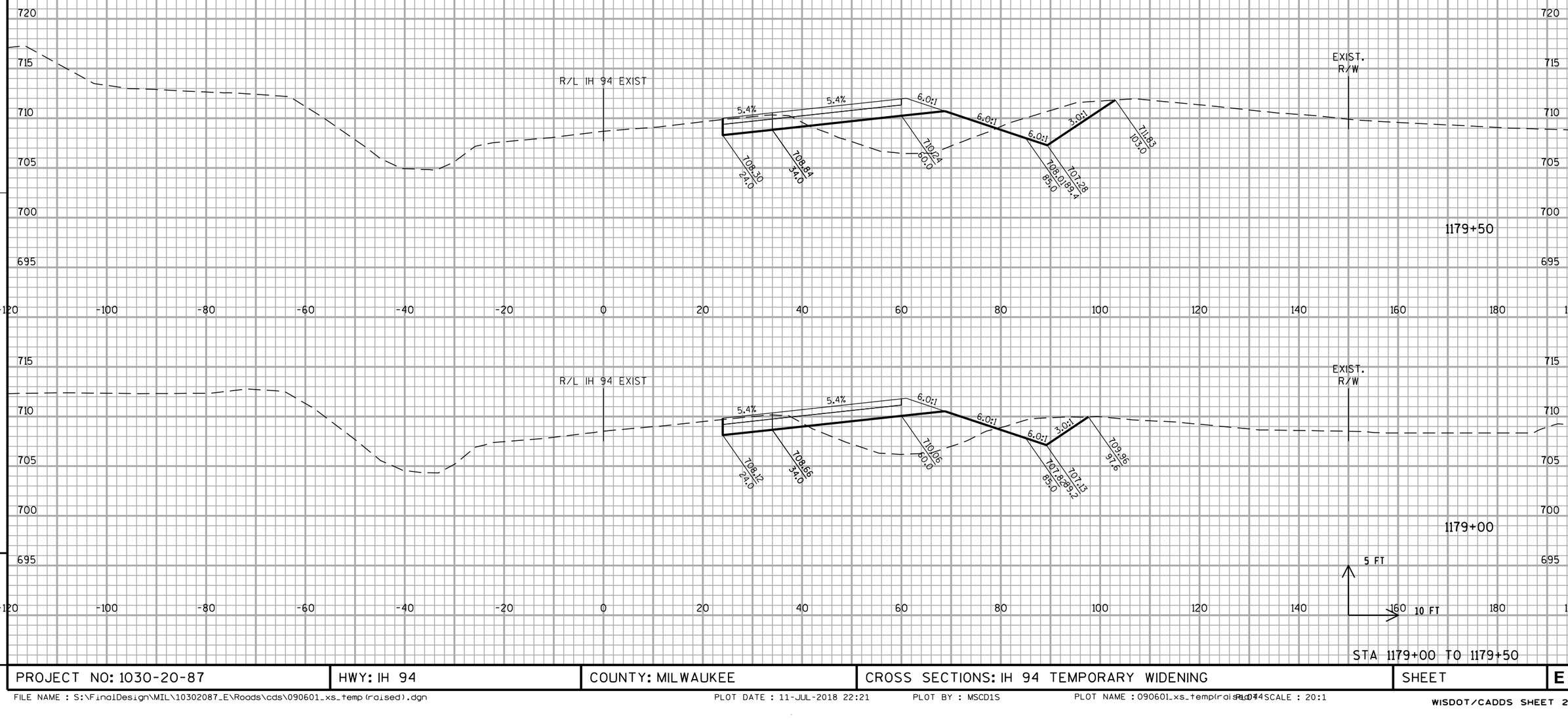
STA 1177+50 TO 1178+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090601_xs_temp(raised).dgn PLOT DATE : 11-JUL-2018 22:21 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp(raised).dgn SCALE : 20:1

WISDOT/CADDS SHEET 21

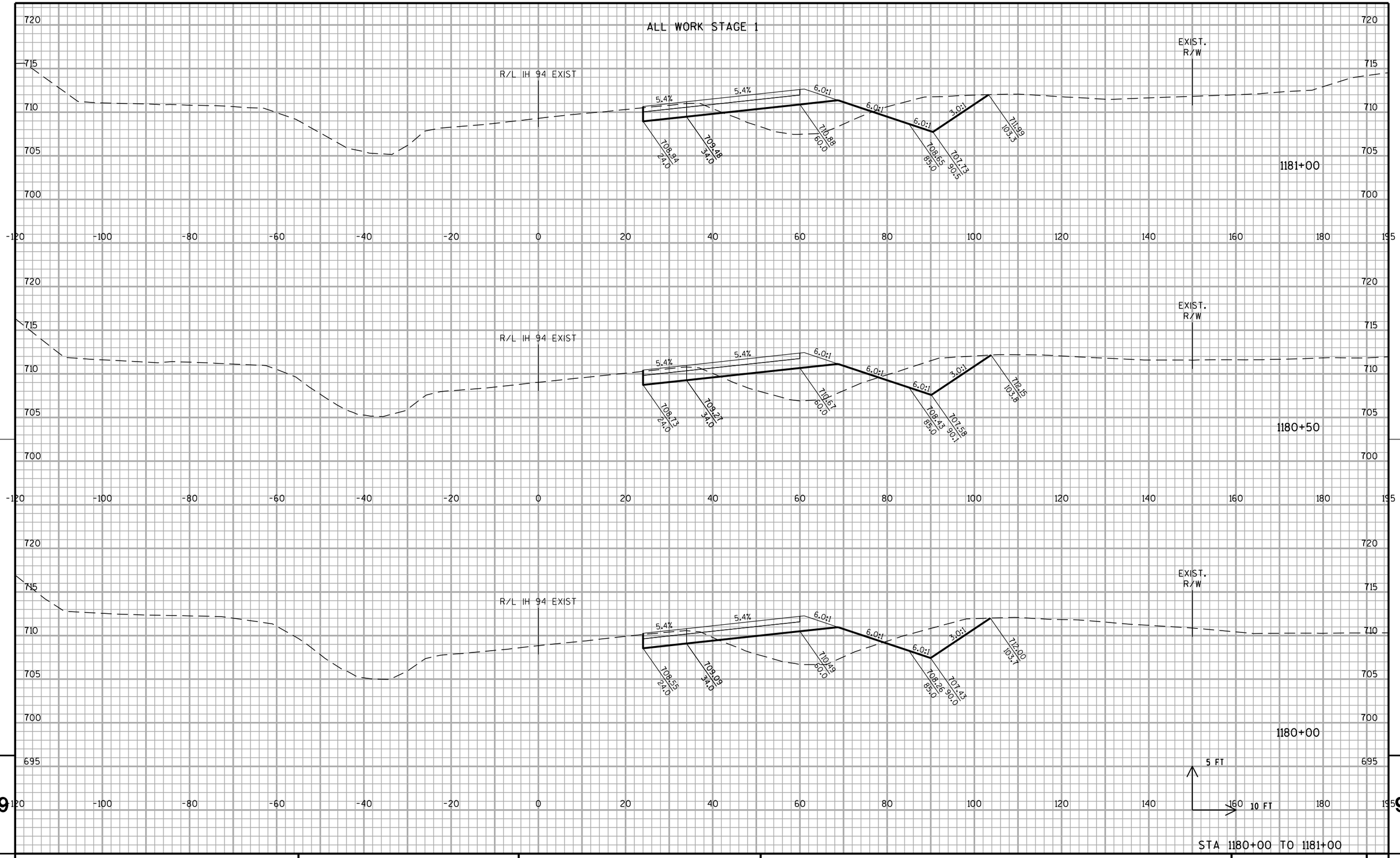
ALL WORK STAGE 1



STA 1179+00 TO 1179+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

ALL WORK STAGE 1

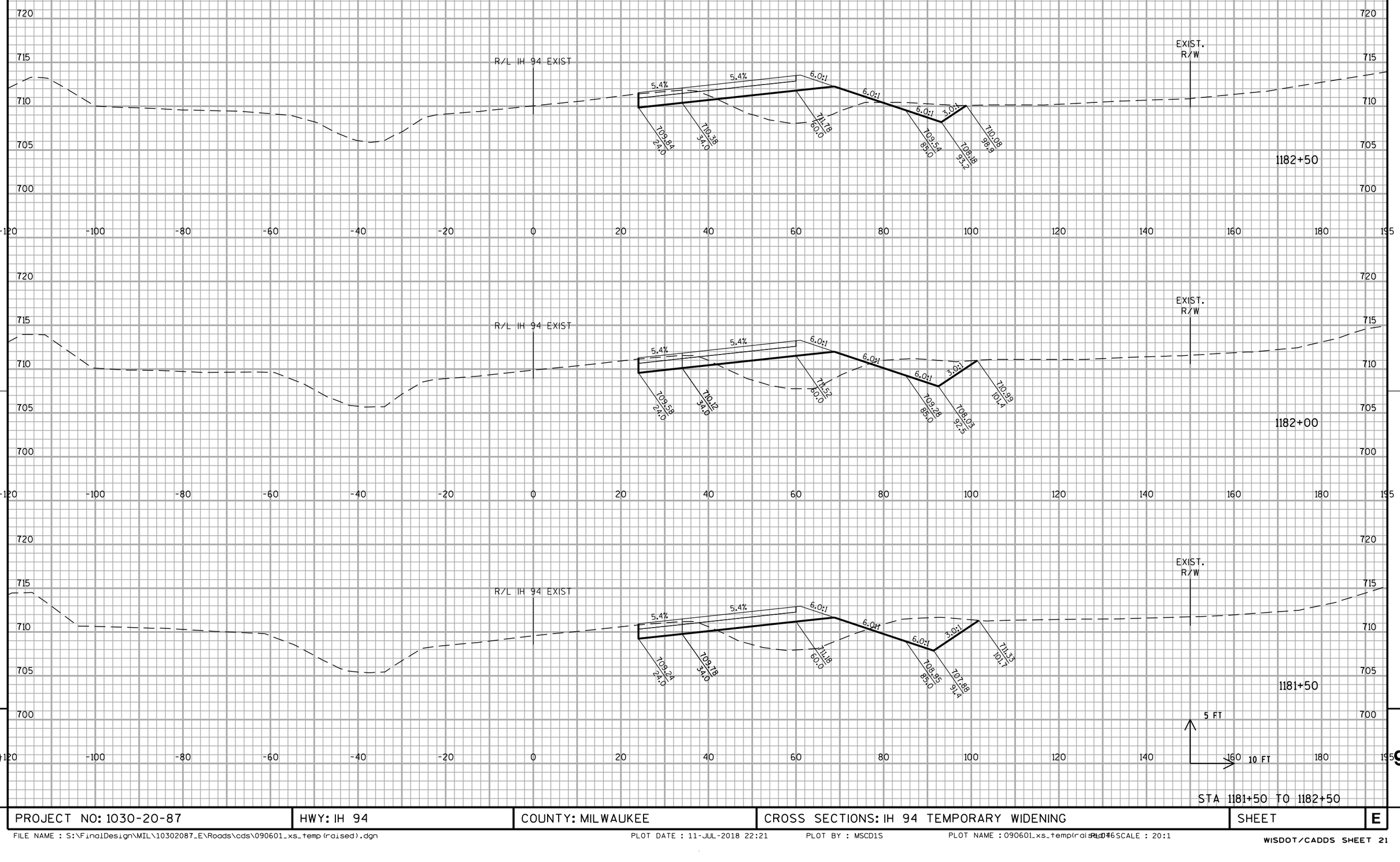


STA 1180+00 TO 1181+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090601_xs_temp(raised).dgn PLOT DATE : 11-JUL-2018 22:21 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp(raised).pl PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

ALL WORK STAGE 1



STA 1181+50 TO 1182+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

ALL WORK STAGE 1

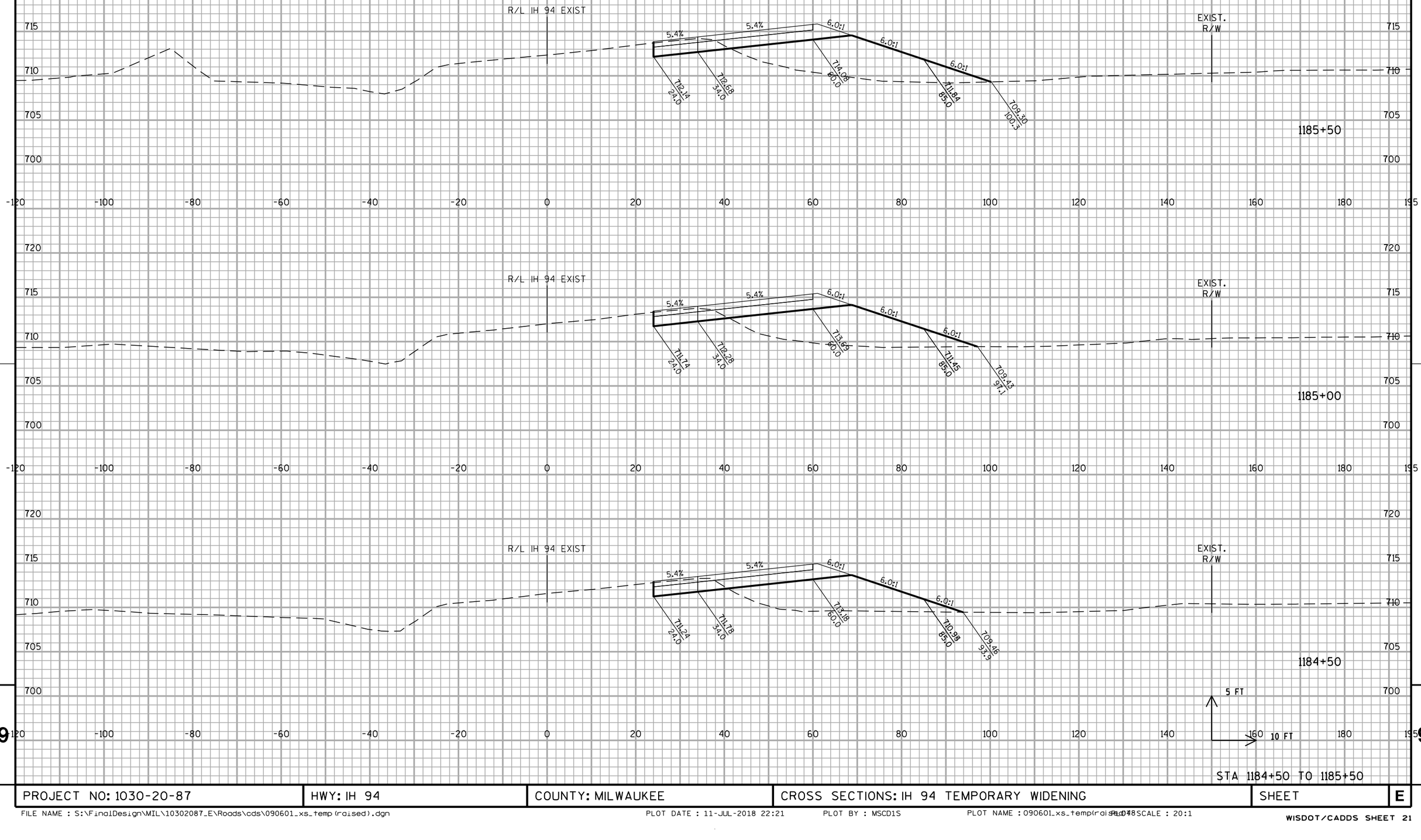
STA 1183+00 TO 1184+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090601_xs_temp(raised).dgn PLOT DATE : 11-JUL-2018 22:21 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp(raised).dgn PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1



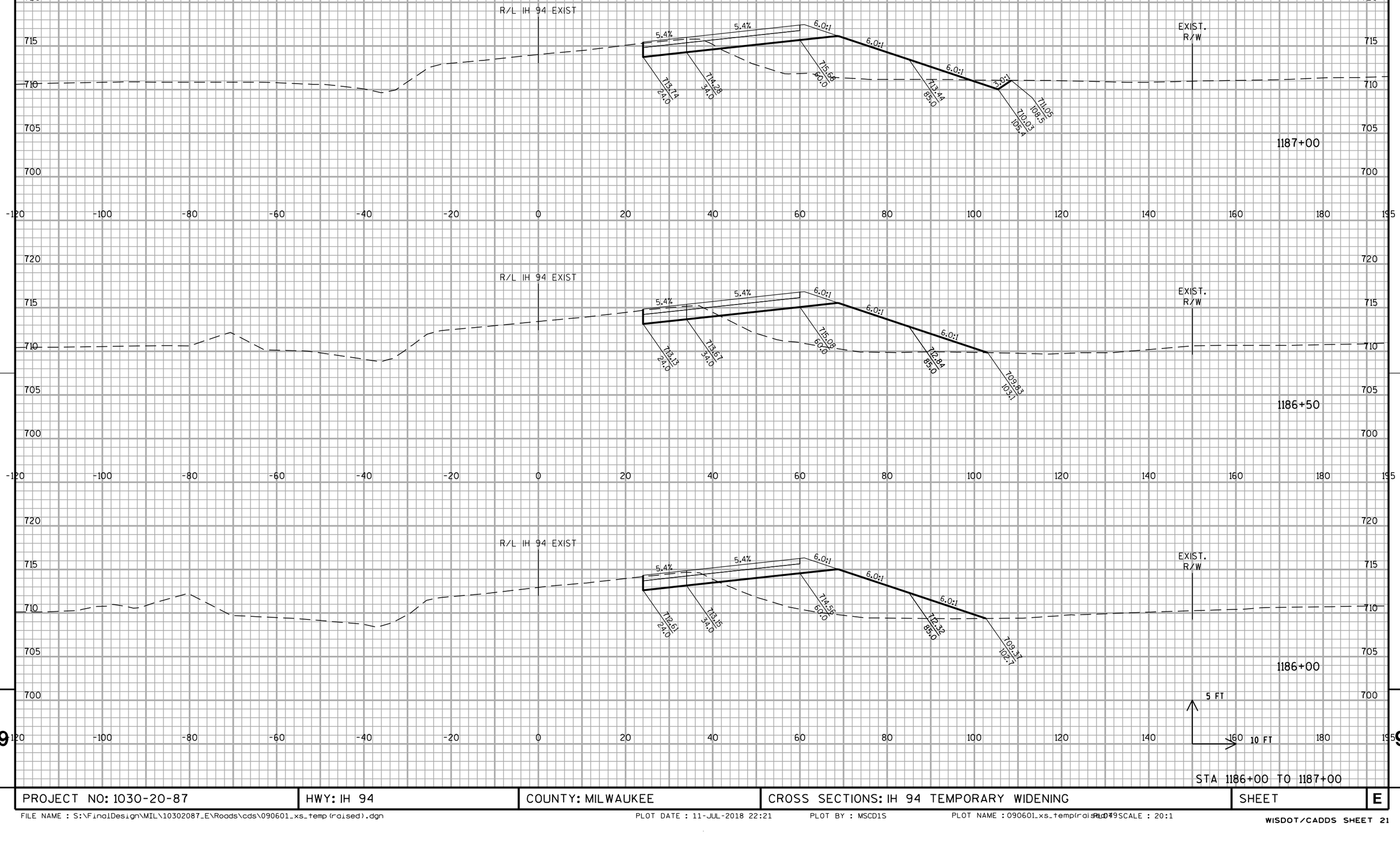
STA 1184+50 TO 1185+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090601_xs_temp(raised).dgn PLOT DATE : 11-JUL-2018 22:21 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp(raised).dgn PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1



STA 1186+00 TO 1187+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090601_xs_temp(raised).dgn PLOT DATE : 11-JUL-2018 22:21 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp(raised).dgn PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1

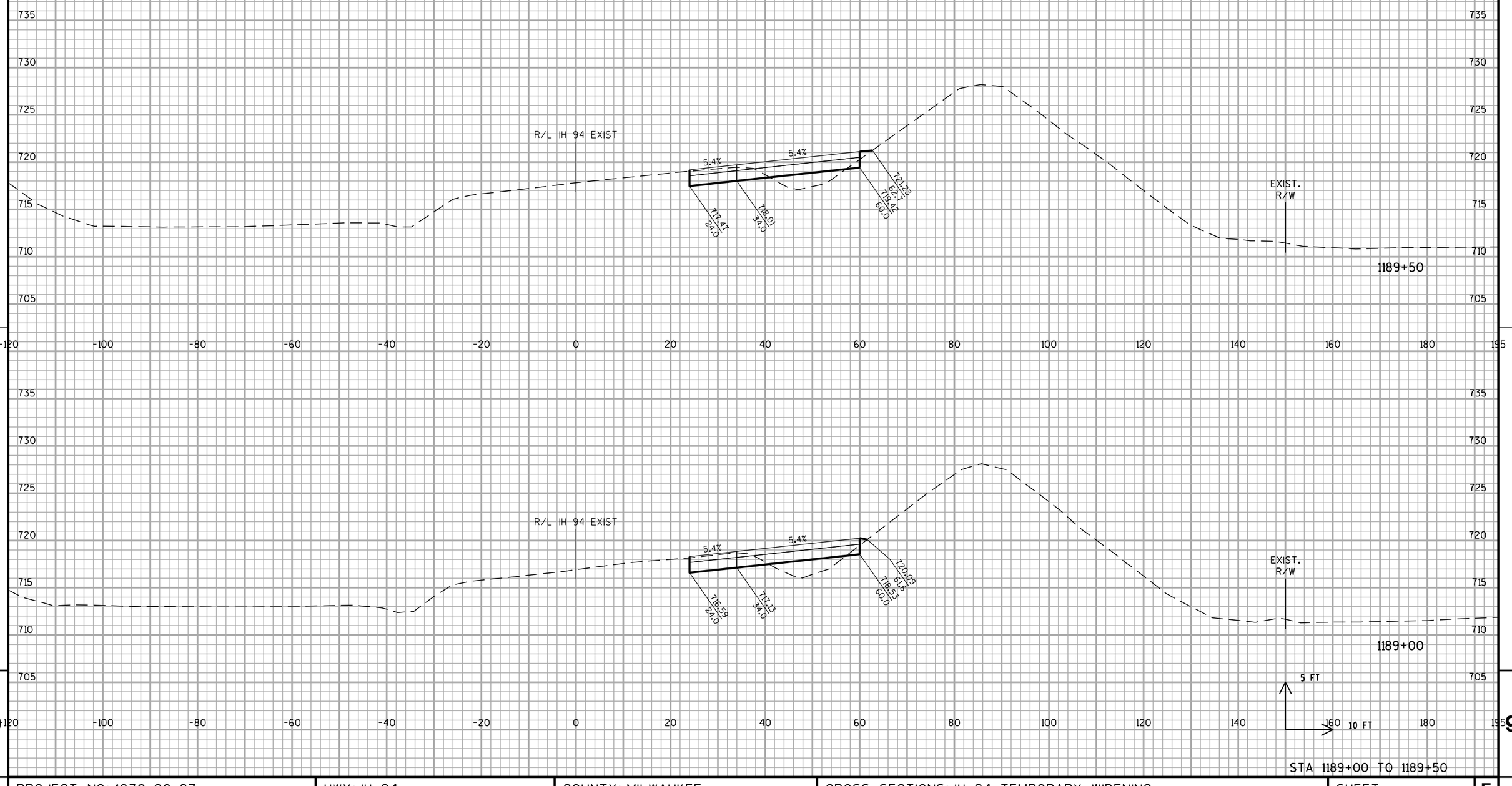
STA 1187+50 TO 1188+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090601_xs_temp(raised).dgn PLOT DATE : 11-JUL-2018 22:21 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp(raised).05 PLOTSCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1



STA 1189+00 TO 1189+50

9

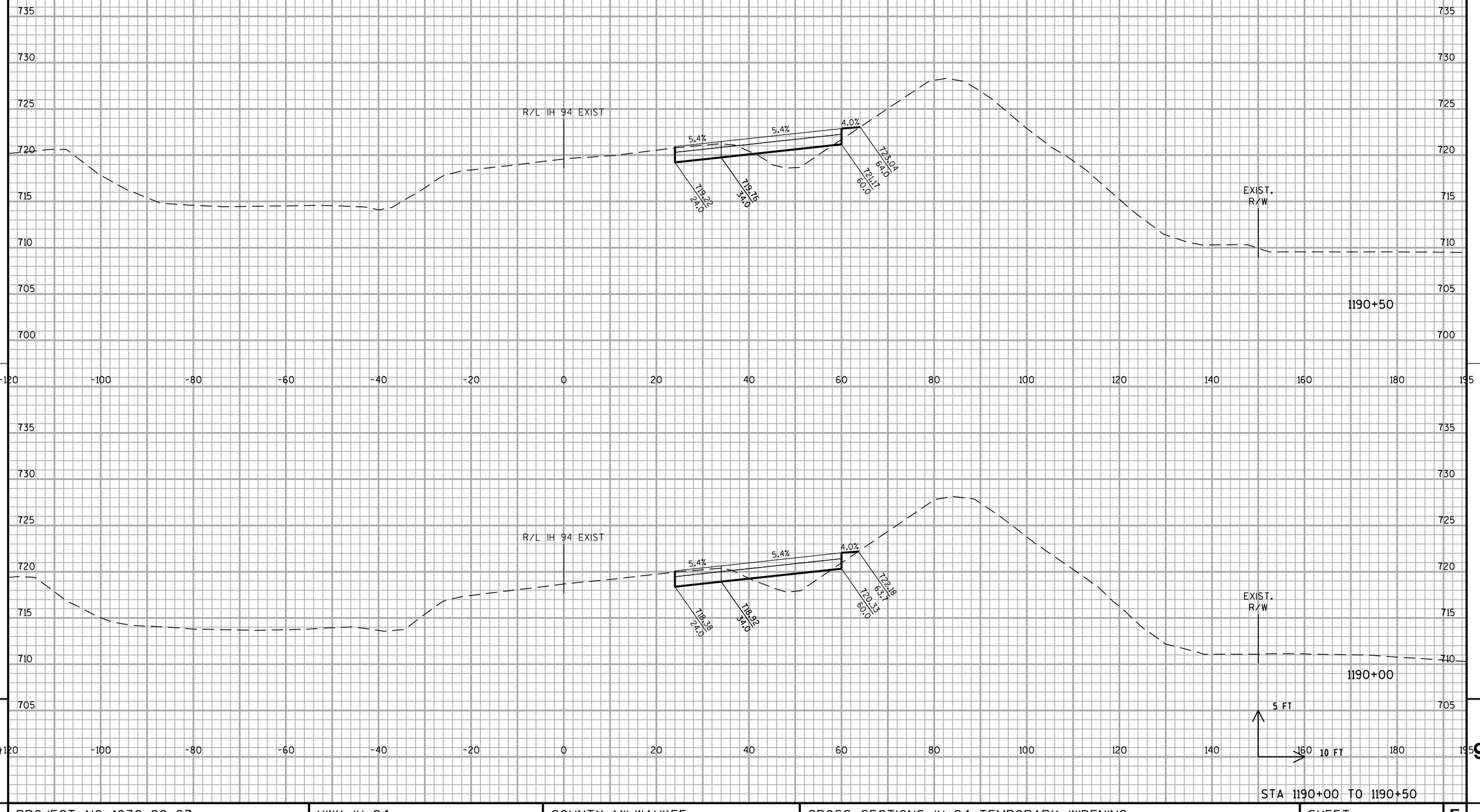
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PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090601_xs_temp(raised).dgn PLOT DATE : 11-JUL-2018 22:21 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp(raised).05 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1



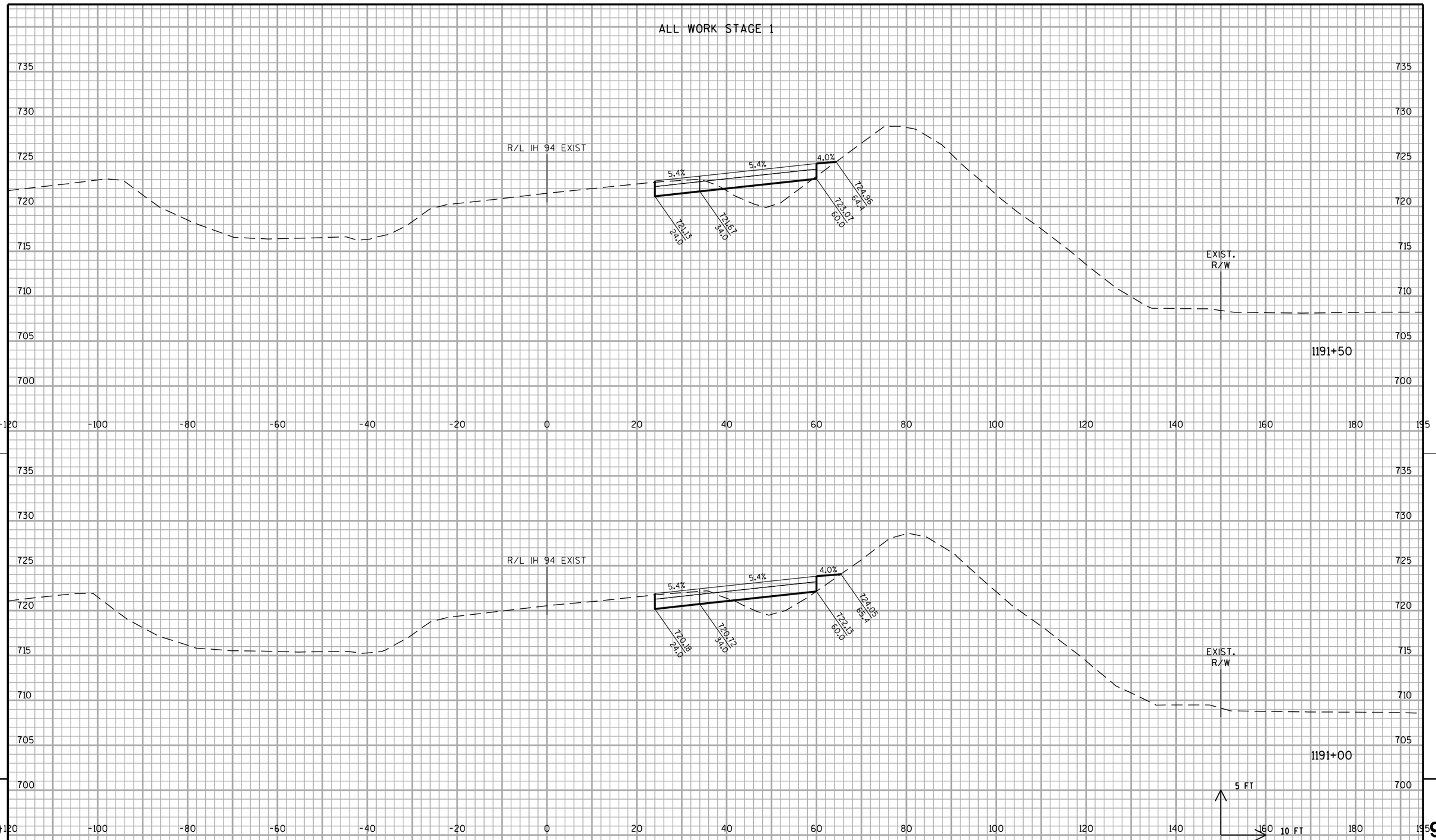
STA 1190+00 TO 1190+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090601_xs_temp(raised).dgn PLOT DATE : 11-JUL-2018 22:21 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp(raised).dgn SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1

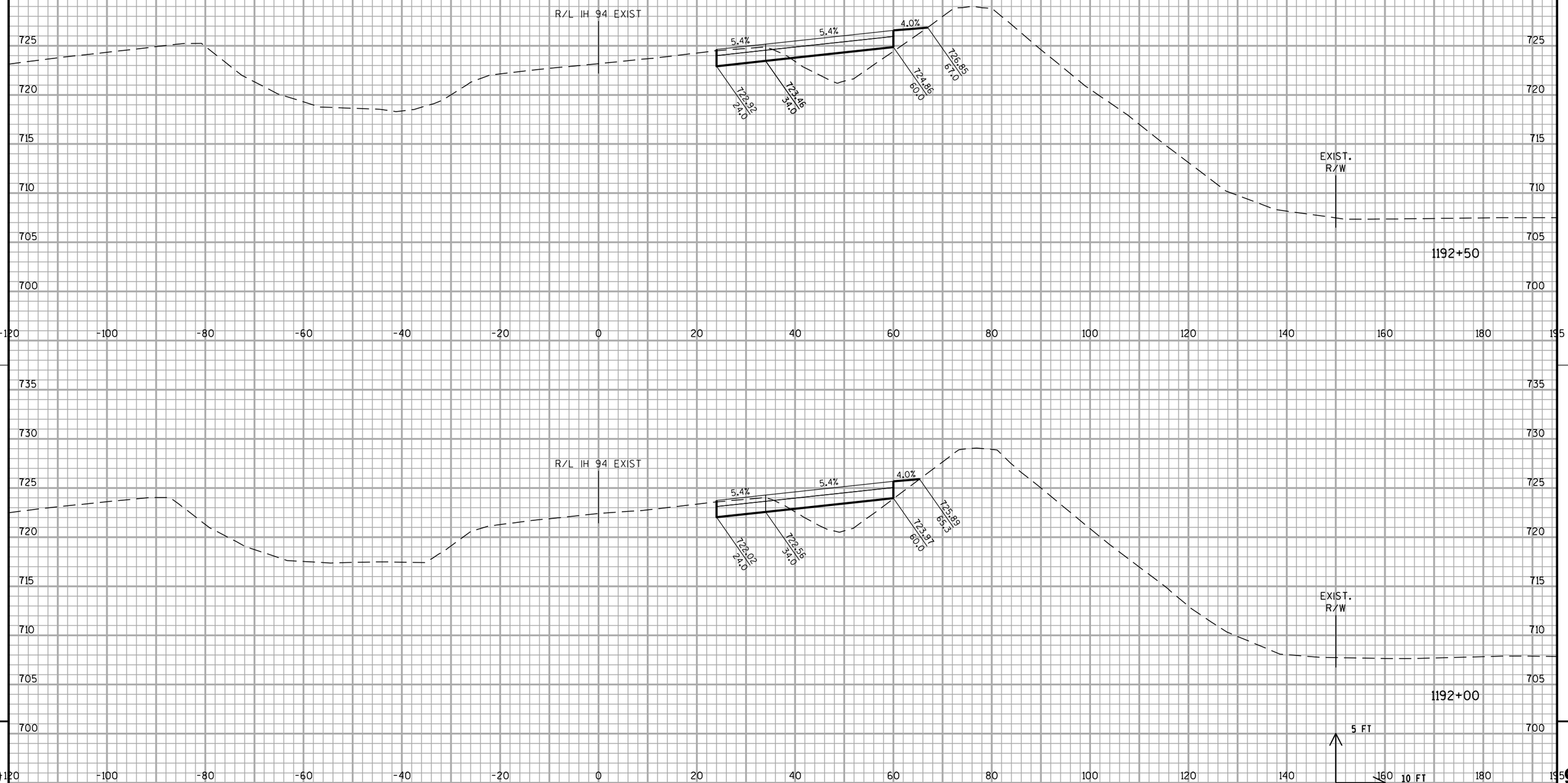


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PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

STA 1191+00 TO 1191+50

ALL WORK STAGE 1



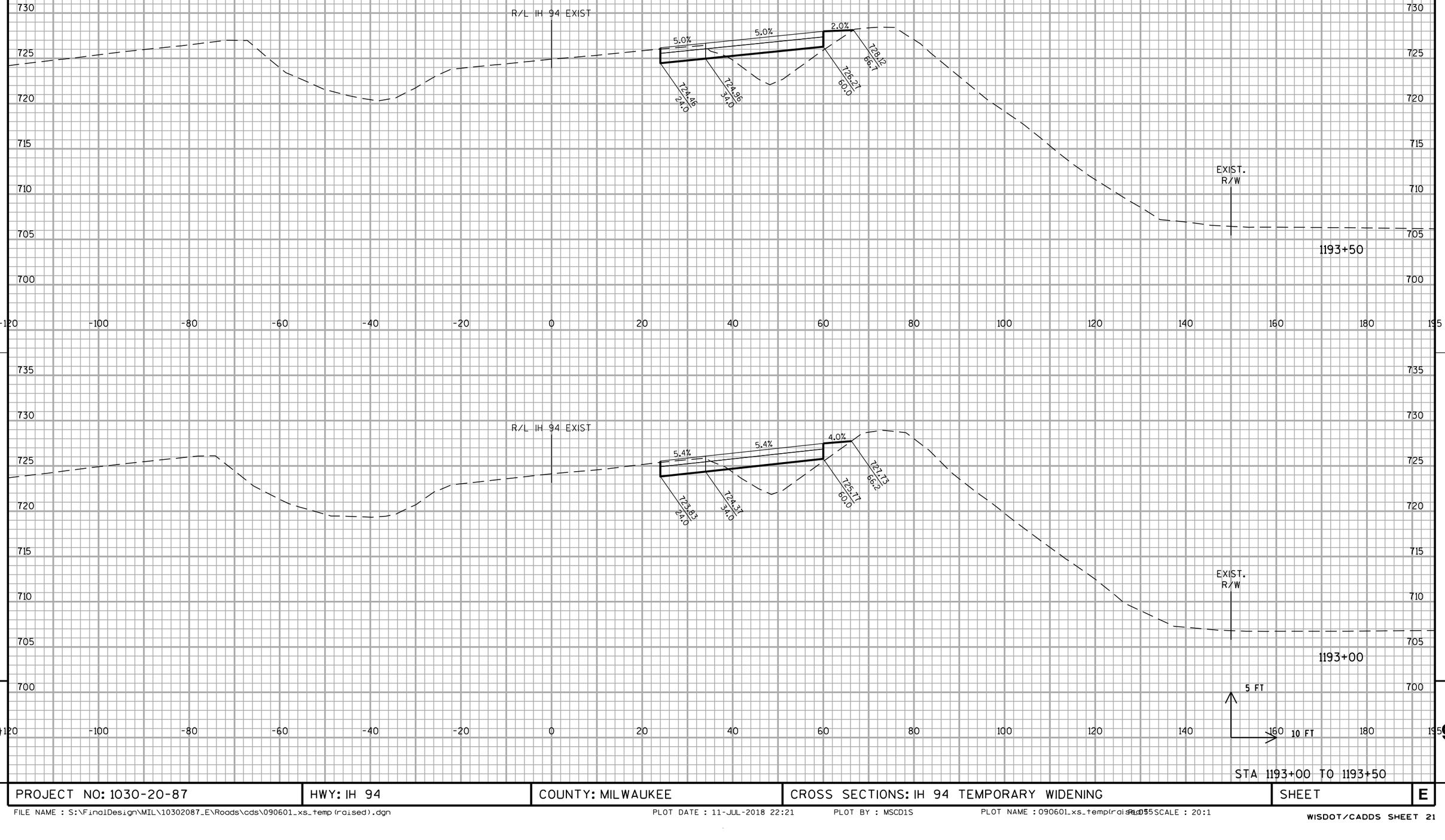
STA 1192+00 TO 1192+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090601_xs_temp(raised).dgn PLOT DATE : 11-JUL-2018 22:21 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp(raised).dgn PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1

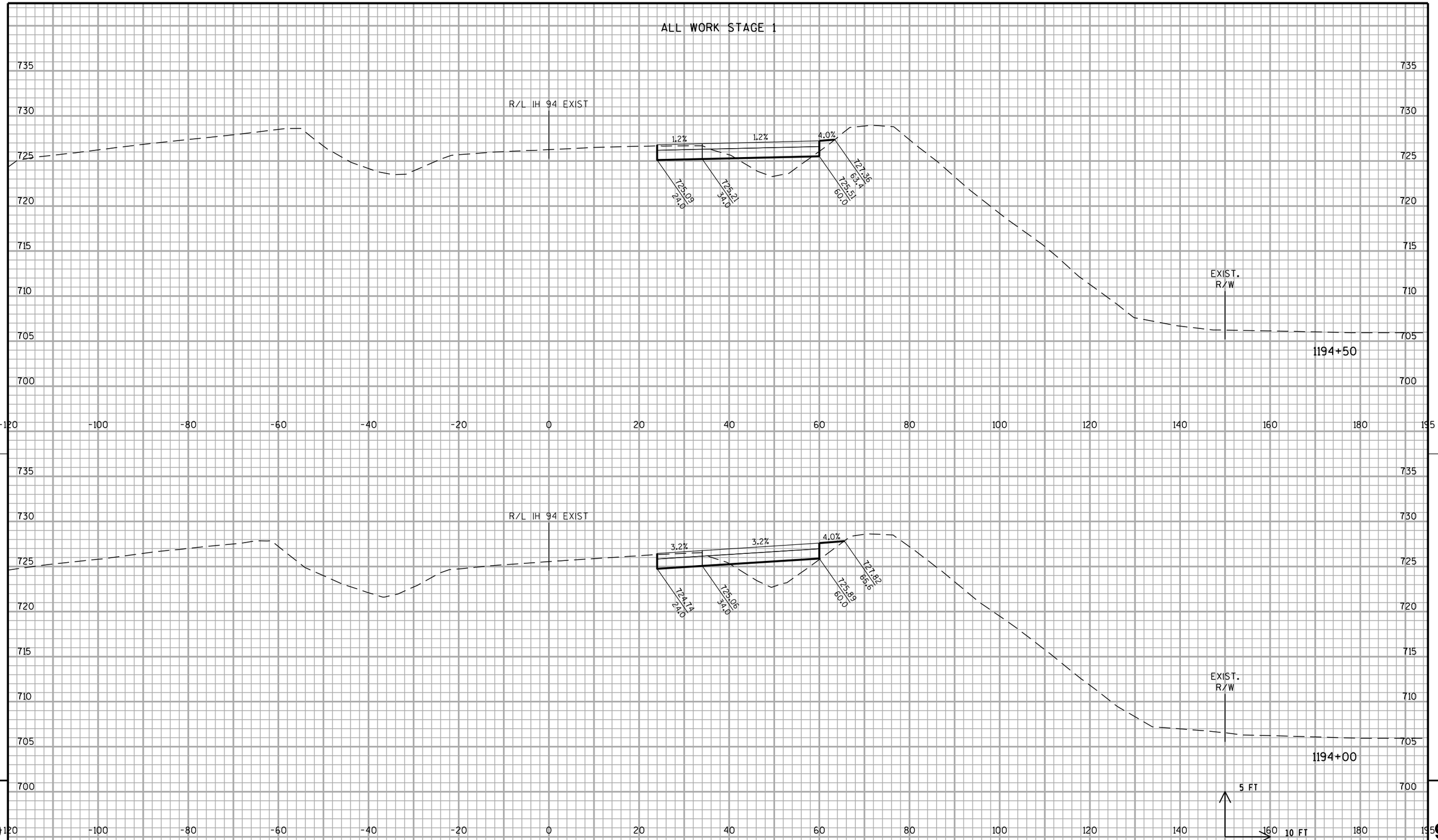


STA 1193+00 TO 1193+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090601_xs_temp(raised).dgn PLOT DATE : 11-JUL-2018 22:21 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp(raised).dgn SCALE : 20:1

ALL WORK STAGE 1



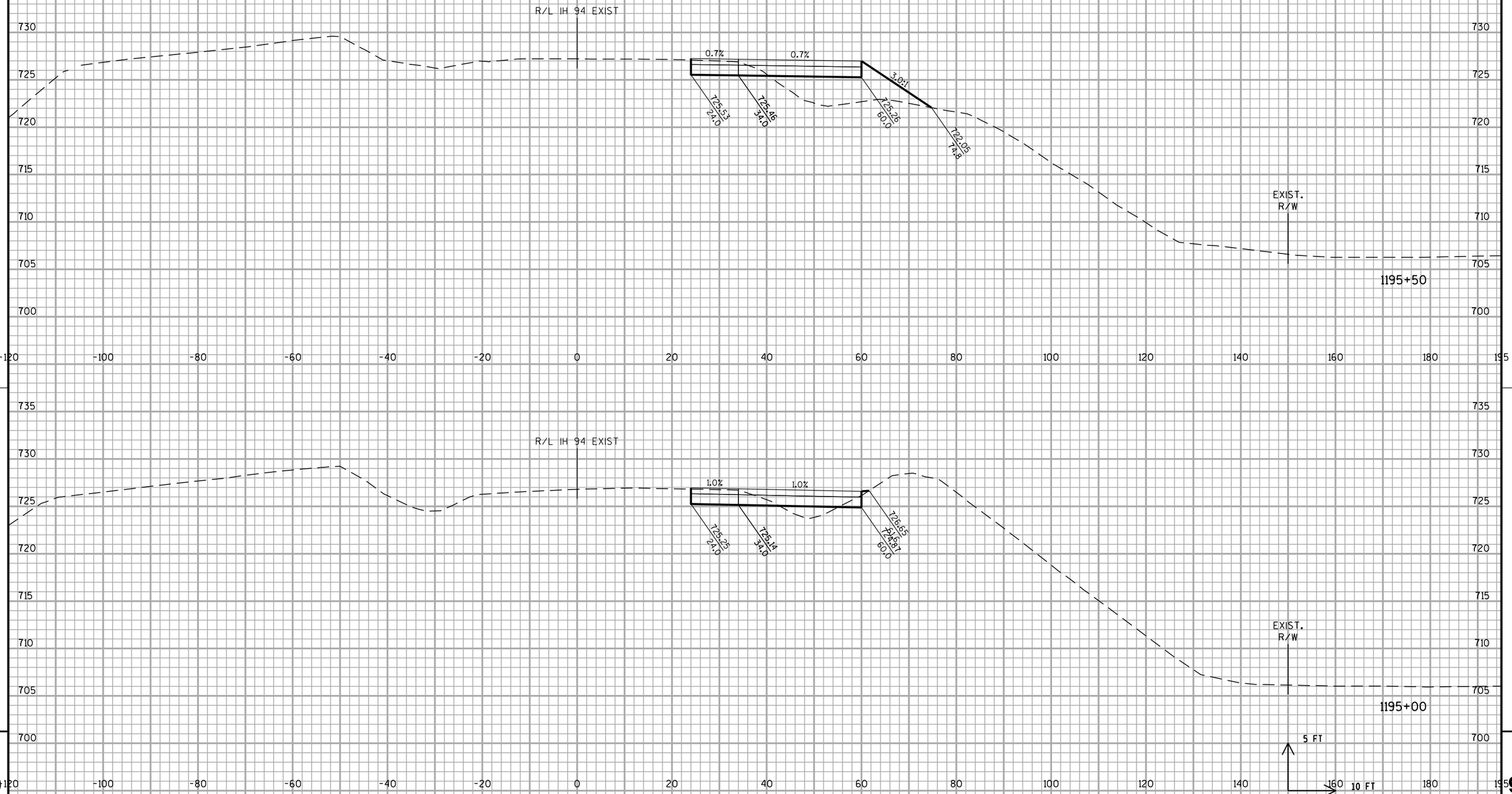
STA 1194+00 TO 1194+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090601_xs_temp(raised).dgn PLOT DATE : 11-JUL-2018 22:21 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp(raised).dgn PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1



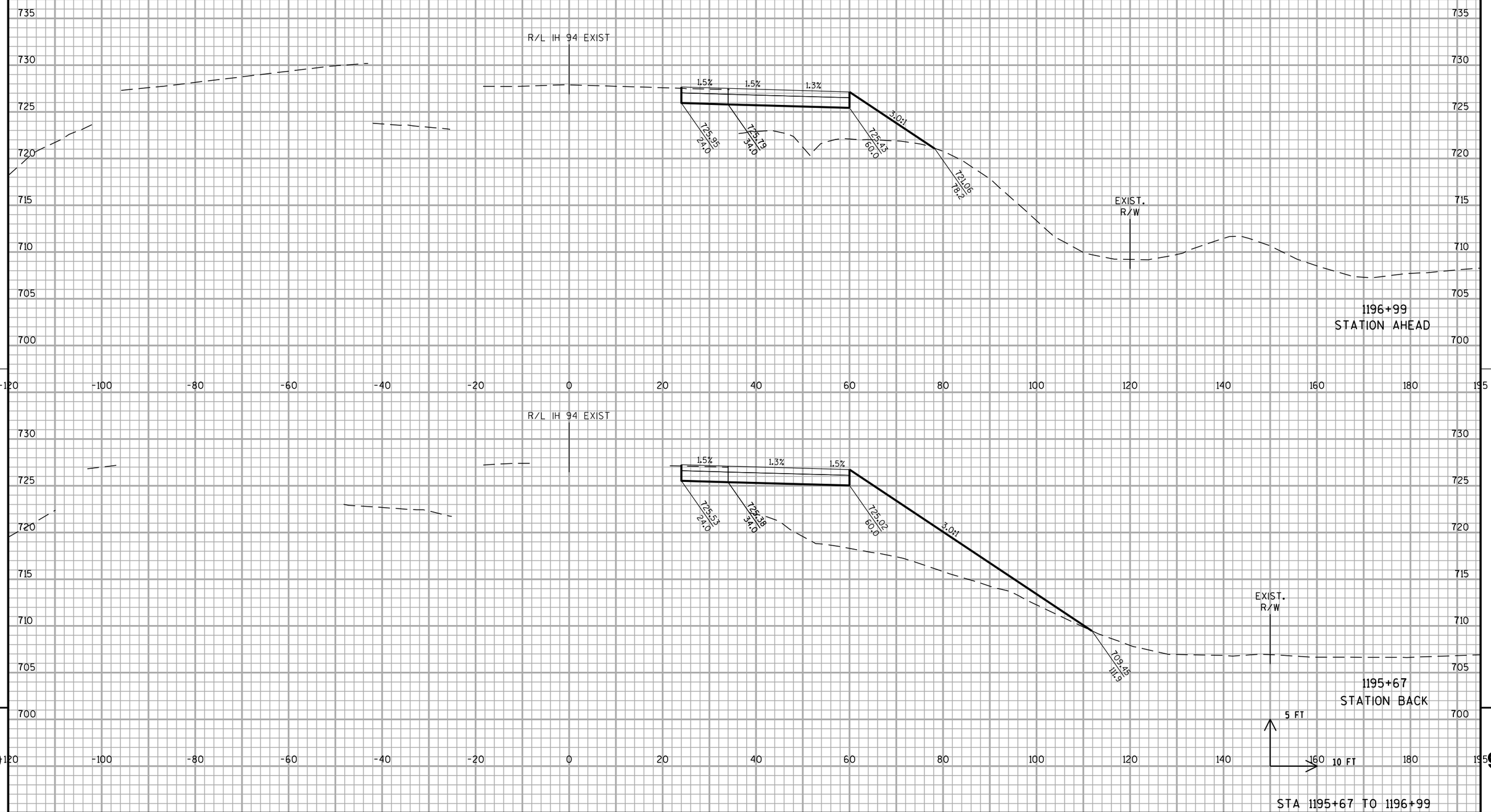
STA 1195+00 TO 1195+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090601_xs_temp(raised).dgn PLOT DATE : 11-JUL-2018 22:21 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp(raised).dgn PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1



STA 1195+67 TO 1196+99

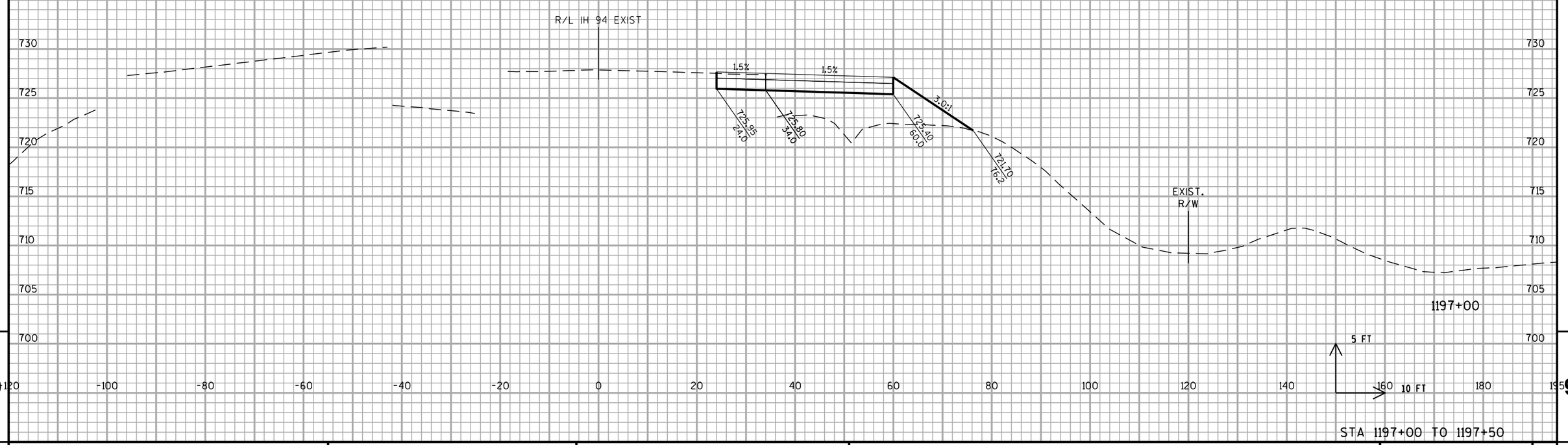
PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

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WISDOT/CADDS SHEET 21

ALL WORK STAGE 1

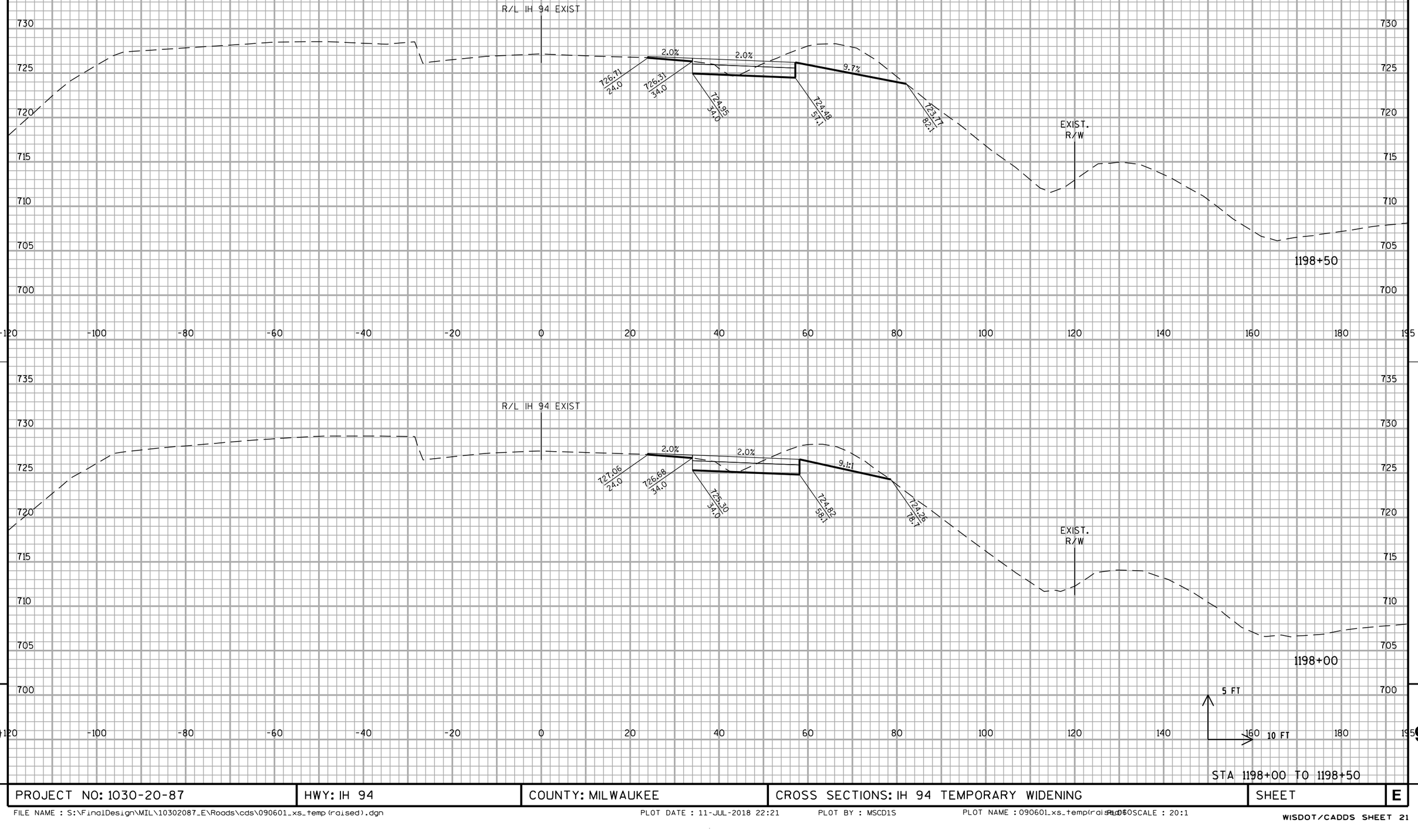




STA 1197+00 TO 1197+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

ALL WORK STAGE 1



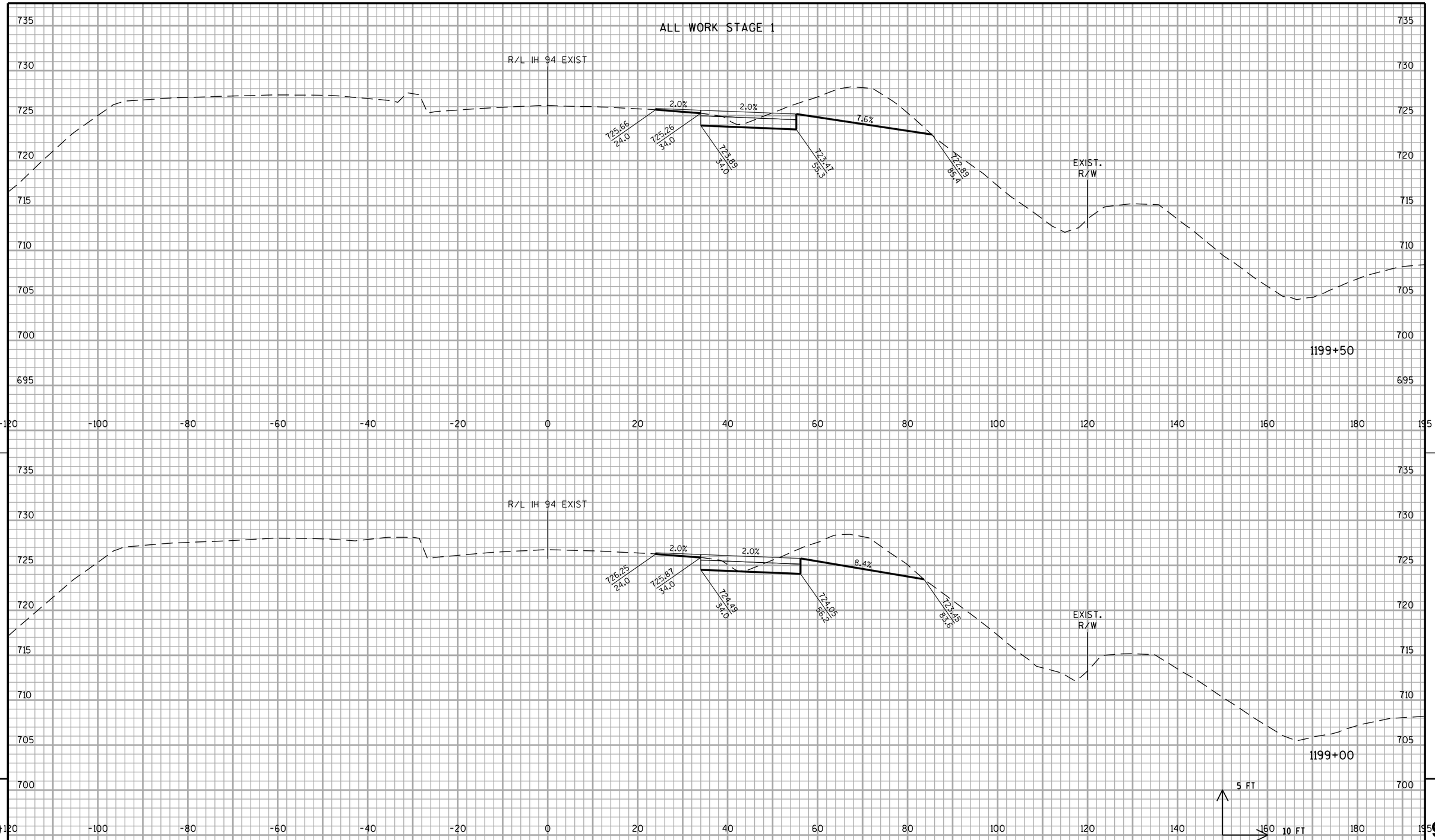
STA 1198+00 TO 1198+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090601_xs_temp(raised).dgn PLOT DATE : 11-JUL-2018 22:21 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp(raised).dgn PLOTSCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1



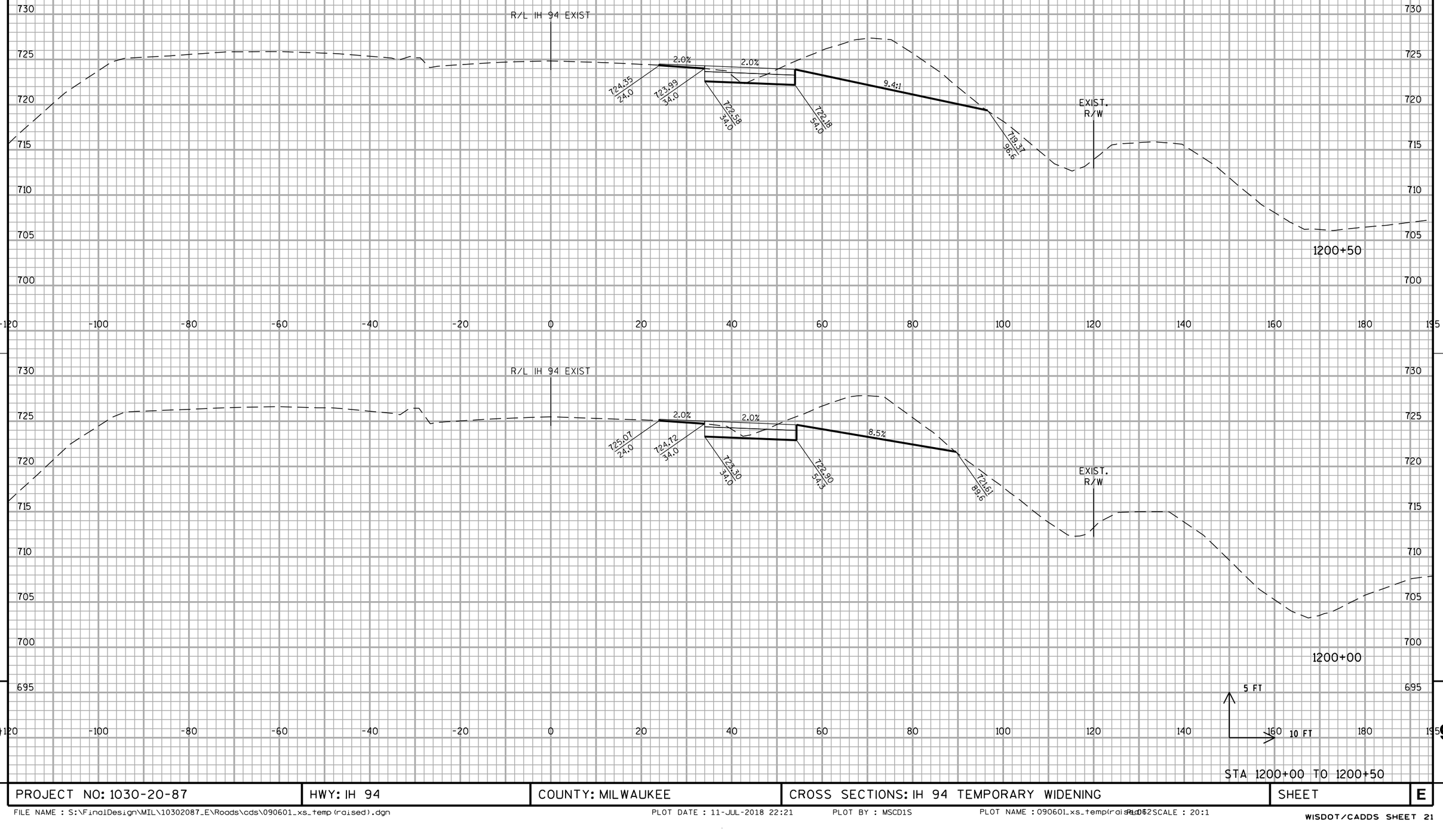
STA 1199+00 TO 1199+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090601_xs_temp(raised).dgn PLOT DATE : 11-JUL-2018 22:21 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp(raised).dgn PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1



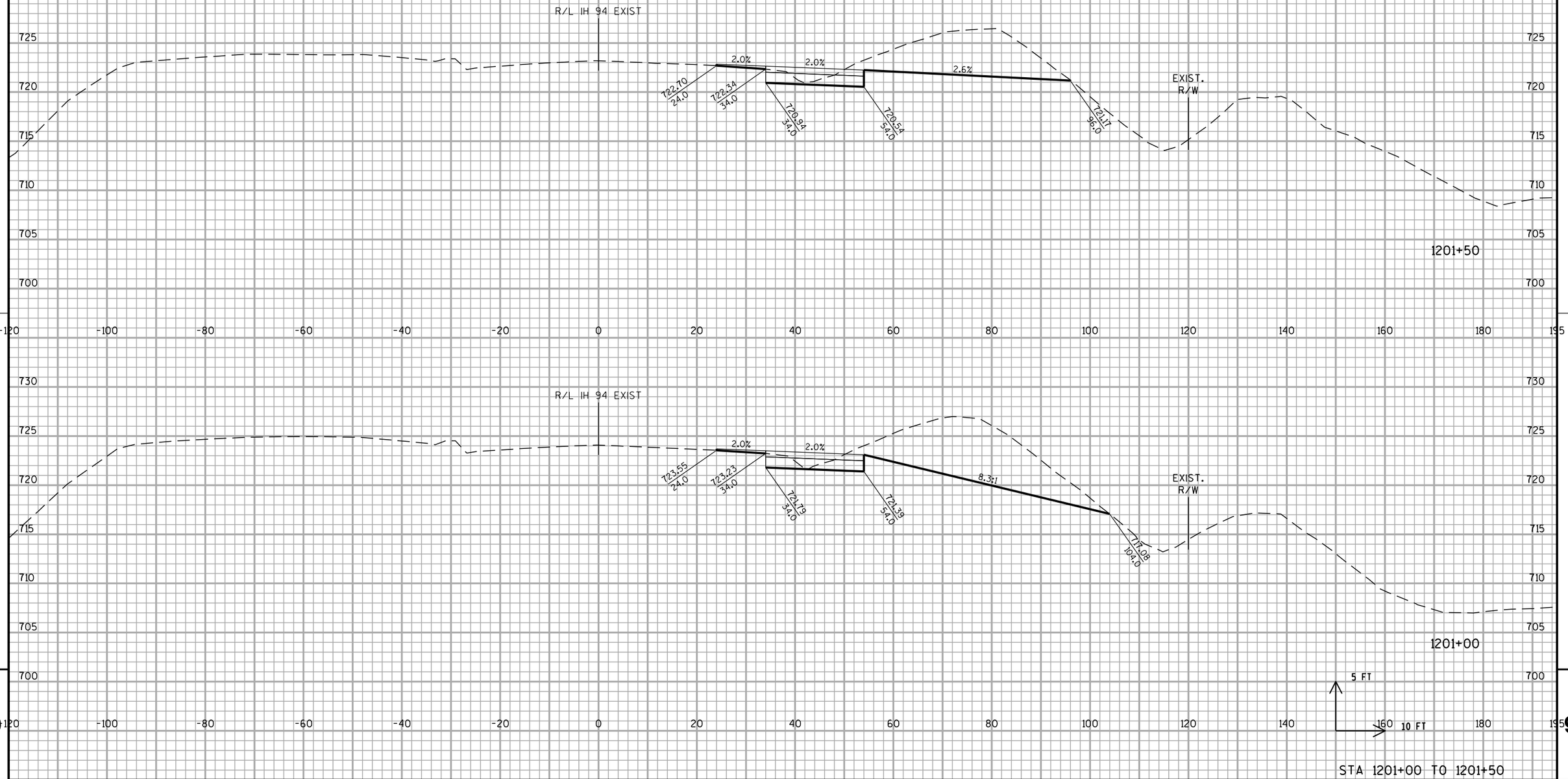
STA 1200+00 TO 1200+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

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WISDOT/CADDS SHEET 21

ALL WORK STAGE 1



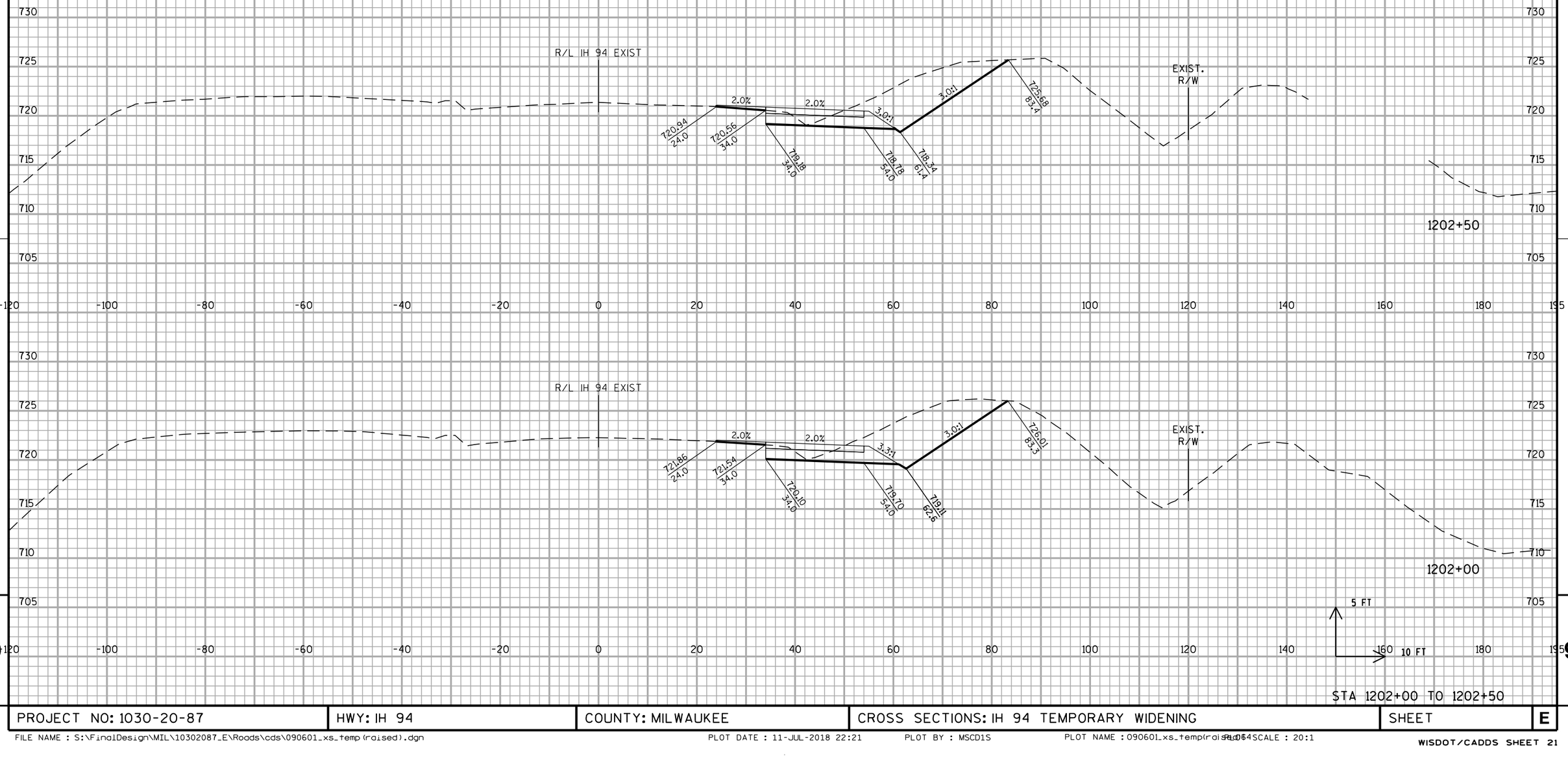
STA 1201+00 TO 1201+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090601_xs_temp(raised).dgn PLOT DATE : 11-JUL-2018 22:21 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp(raised).dgn PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1

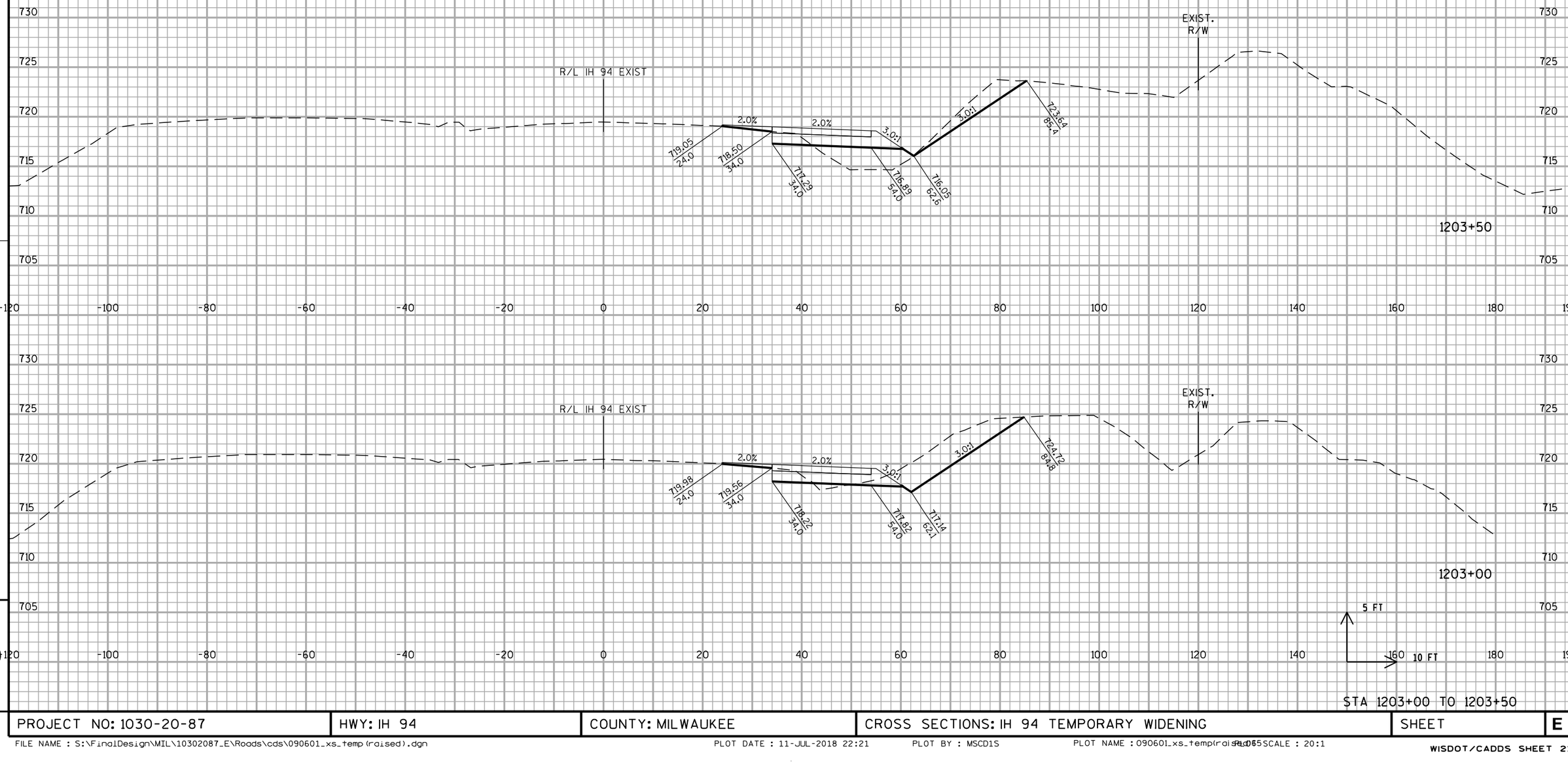


PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

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WISDOT/CADDS SHEET 21

ALL WORK STAGE 1



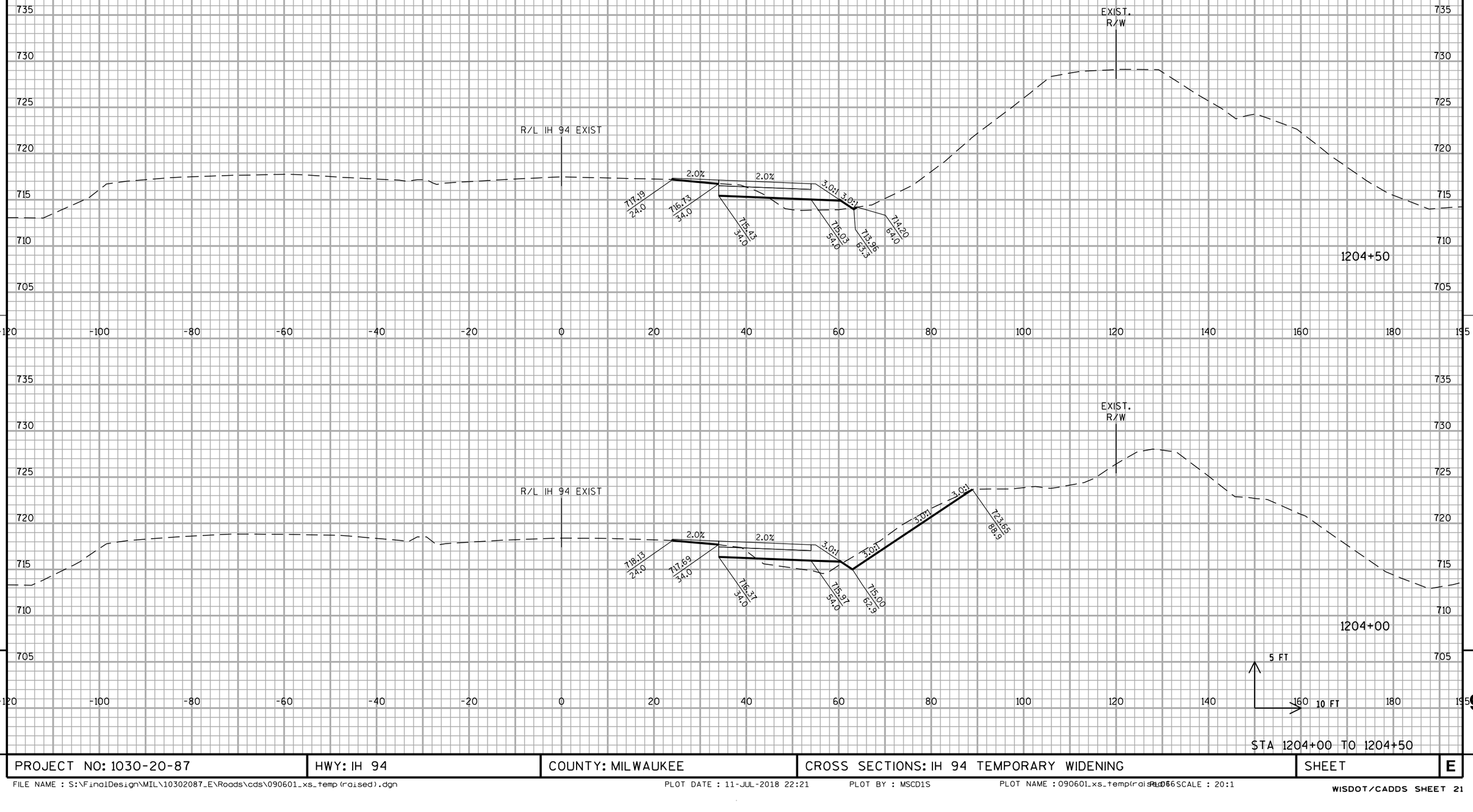
STA 1203+00 TO 1203+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090601_xs_temp(raised).dgn PLOT DATE : 11-JUL-2018 22:21 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp(raised).dgn PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1



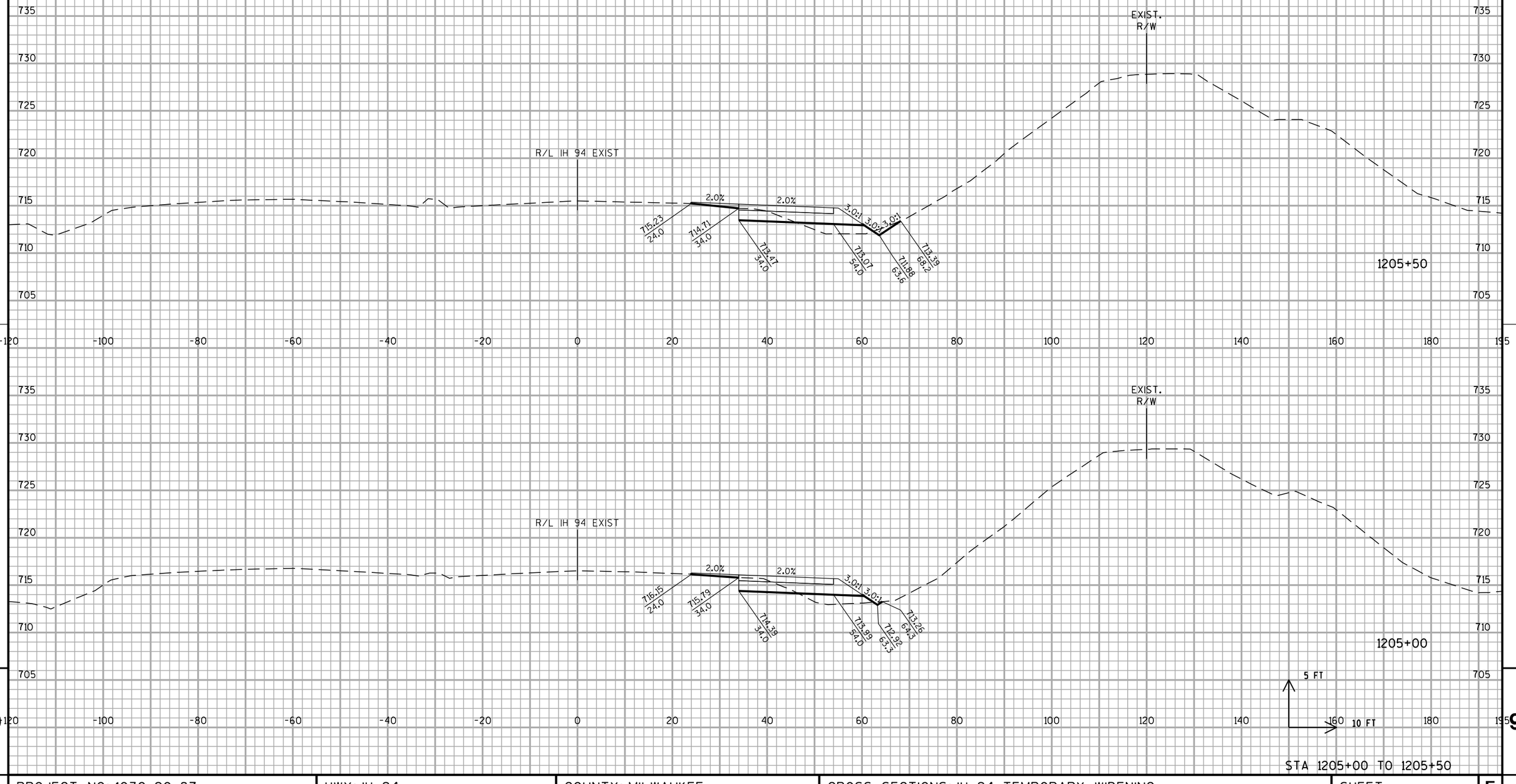
STA 1204+00 TO 1204+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090601_xs_temp(raised).dgn PLOT DATE : 11-JUL-2018 22:21 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp(raised).dgn PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1



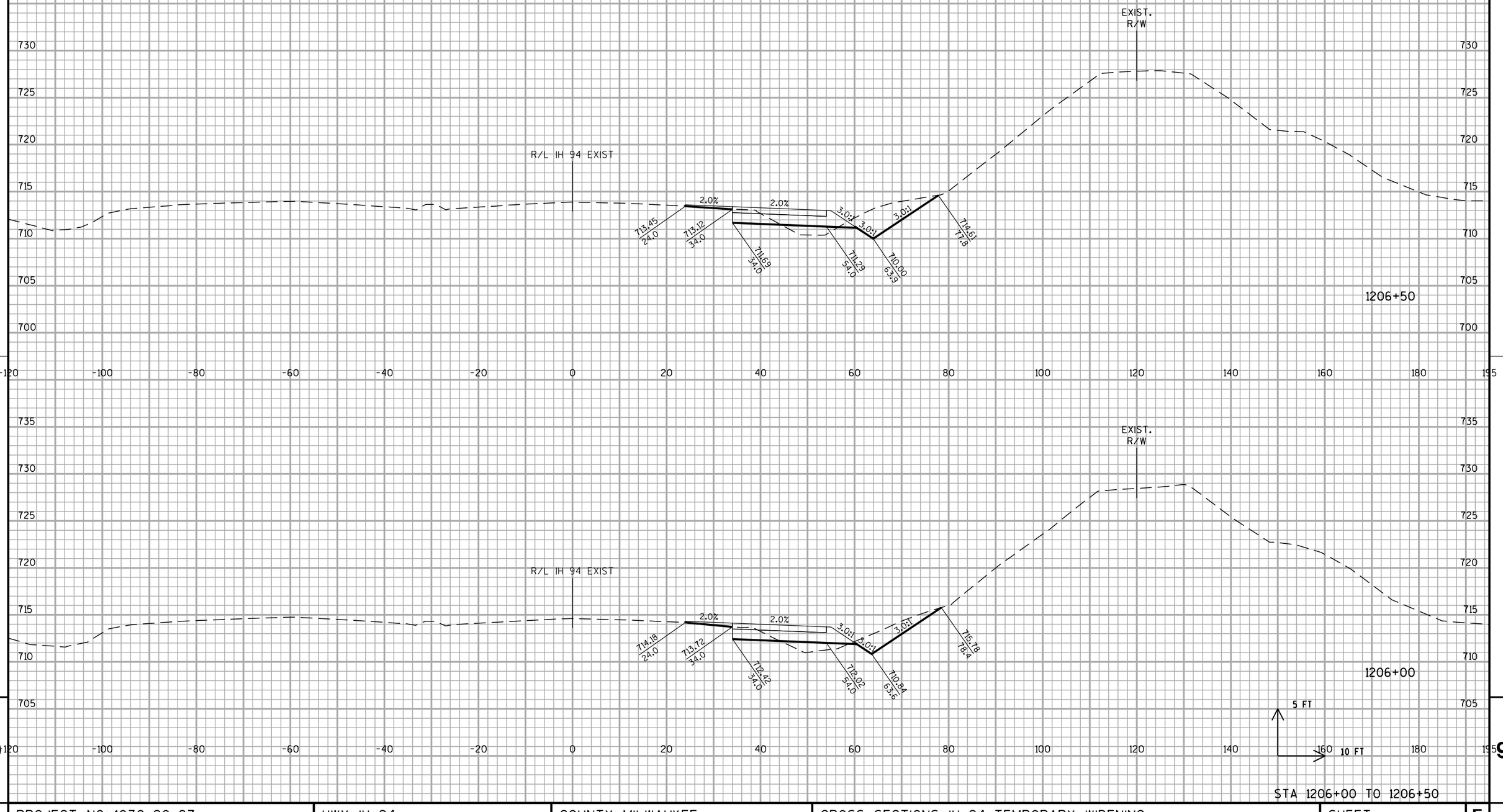
STA 1205+00 TO 1205+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090601_xs_temp(raised).dgn PLOT DATE : 11-JUL-2018 22:21 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp(raised).dgn PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1

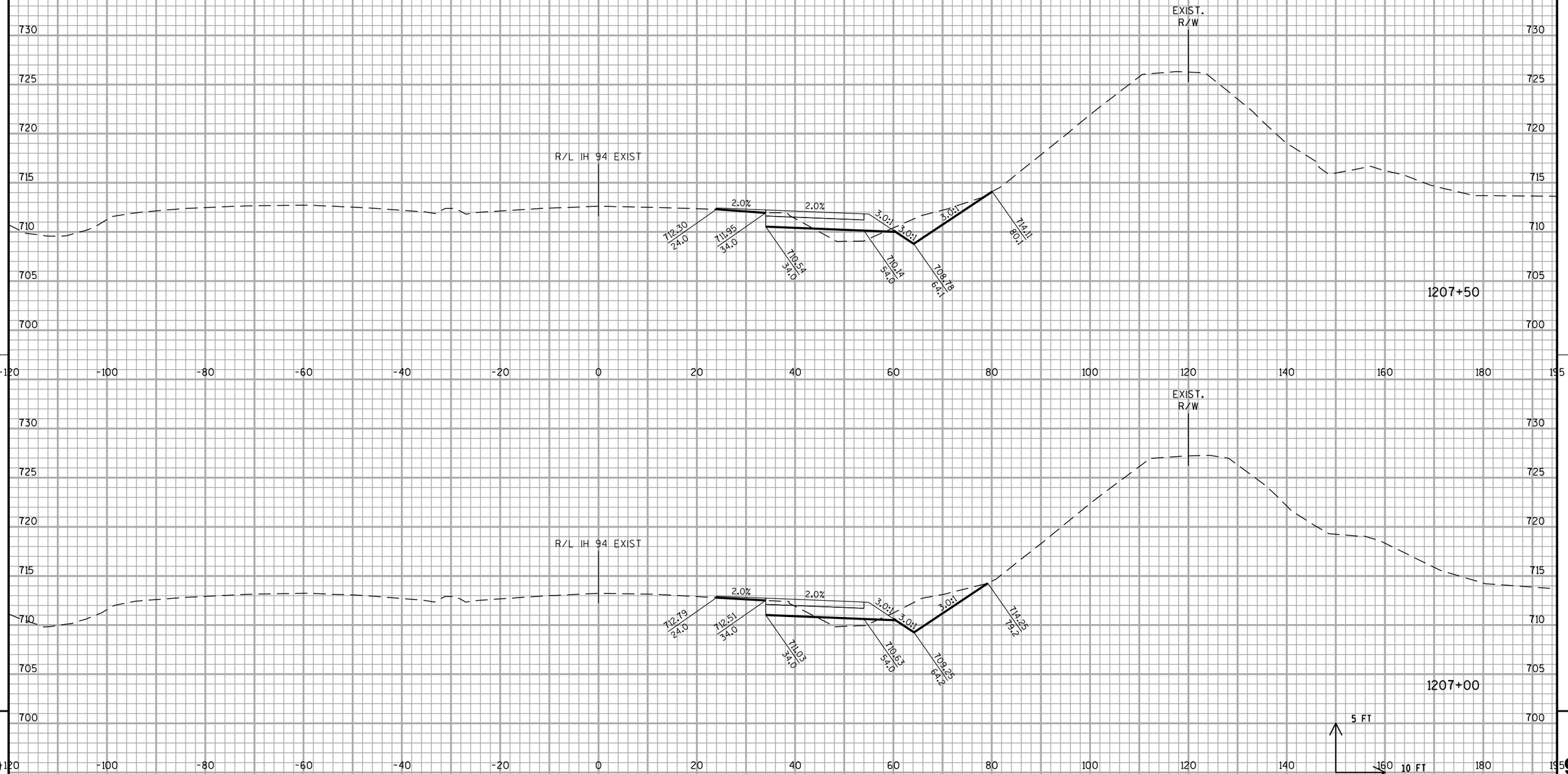


PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090601_xs_temp(raised).dgn PLOT DATE : 11-JUL-2018 22:21 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp(raised).dgn PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1



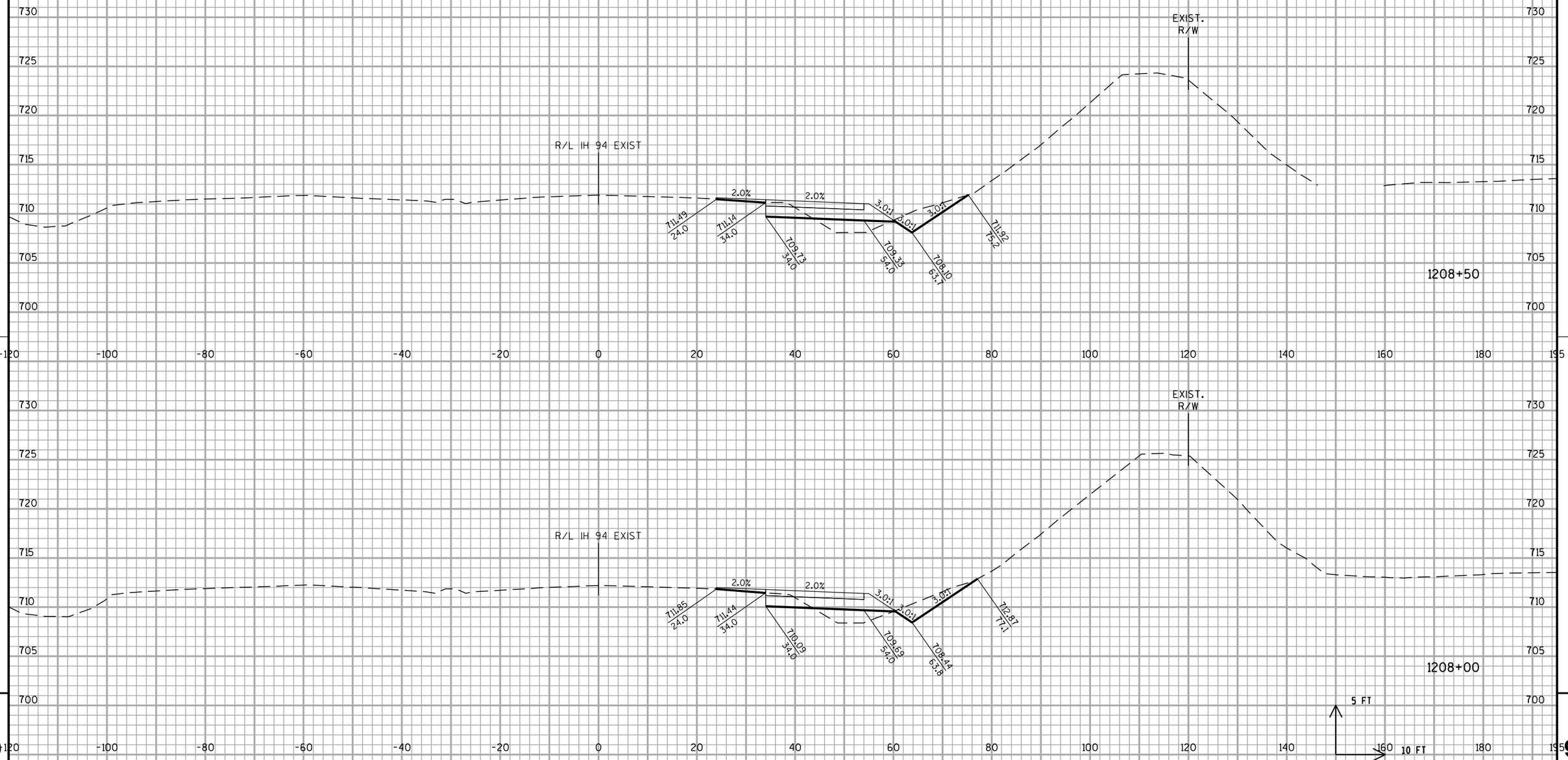
STA 1207+00 TO 1207+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090601_xs_temp(raised).dgn PLOT DATE : 11-JUL-2018 22:21 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp(raised).dgn PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1



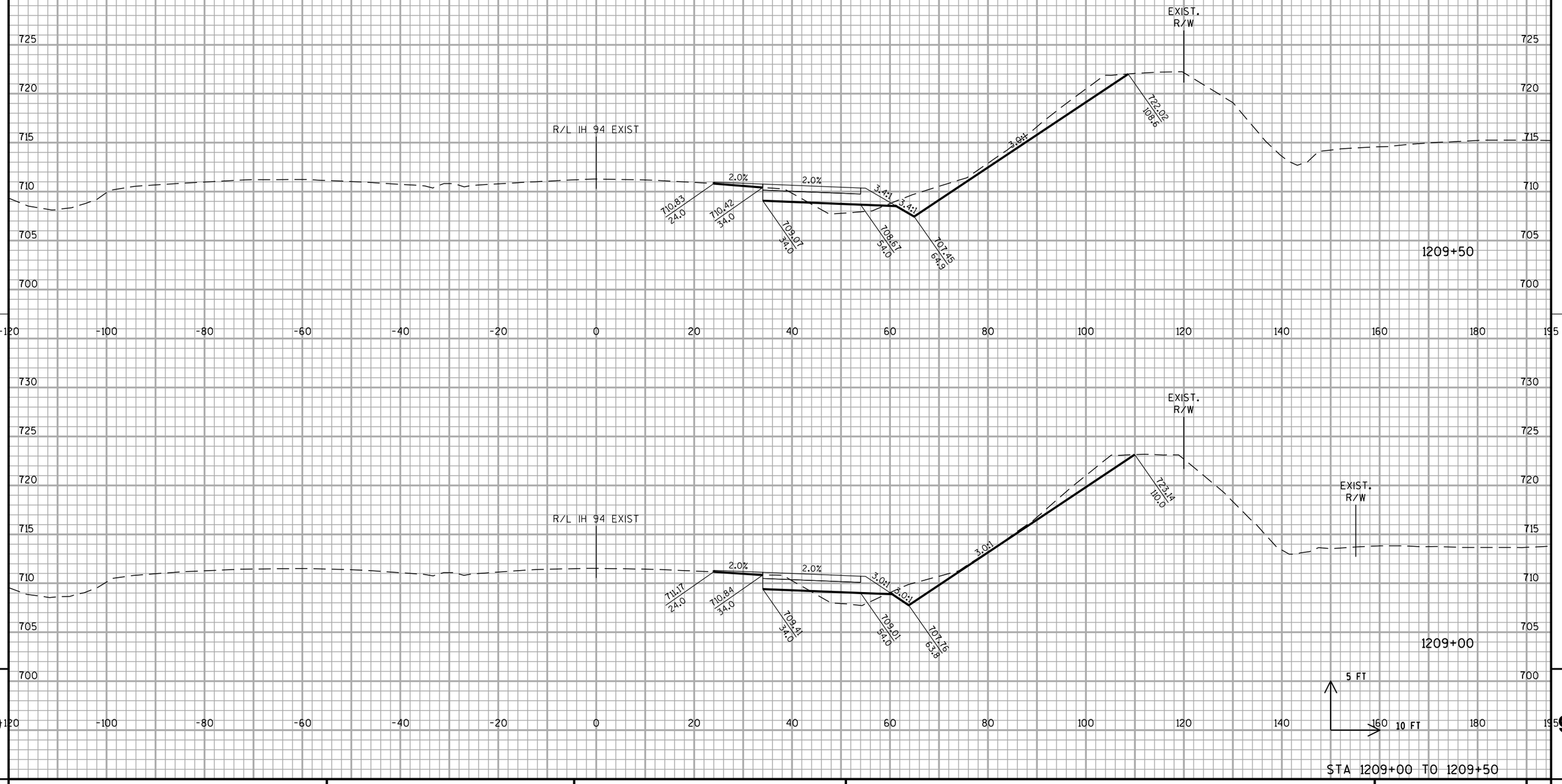
STA 1208+00 TO 1208+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090601_xs_temp(raised).dgn PLOT DATE : 11-JUL-2018 22:21 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp(raised).dgn PLOTSCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1



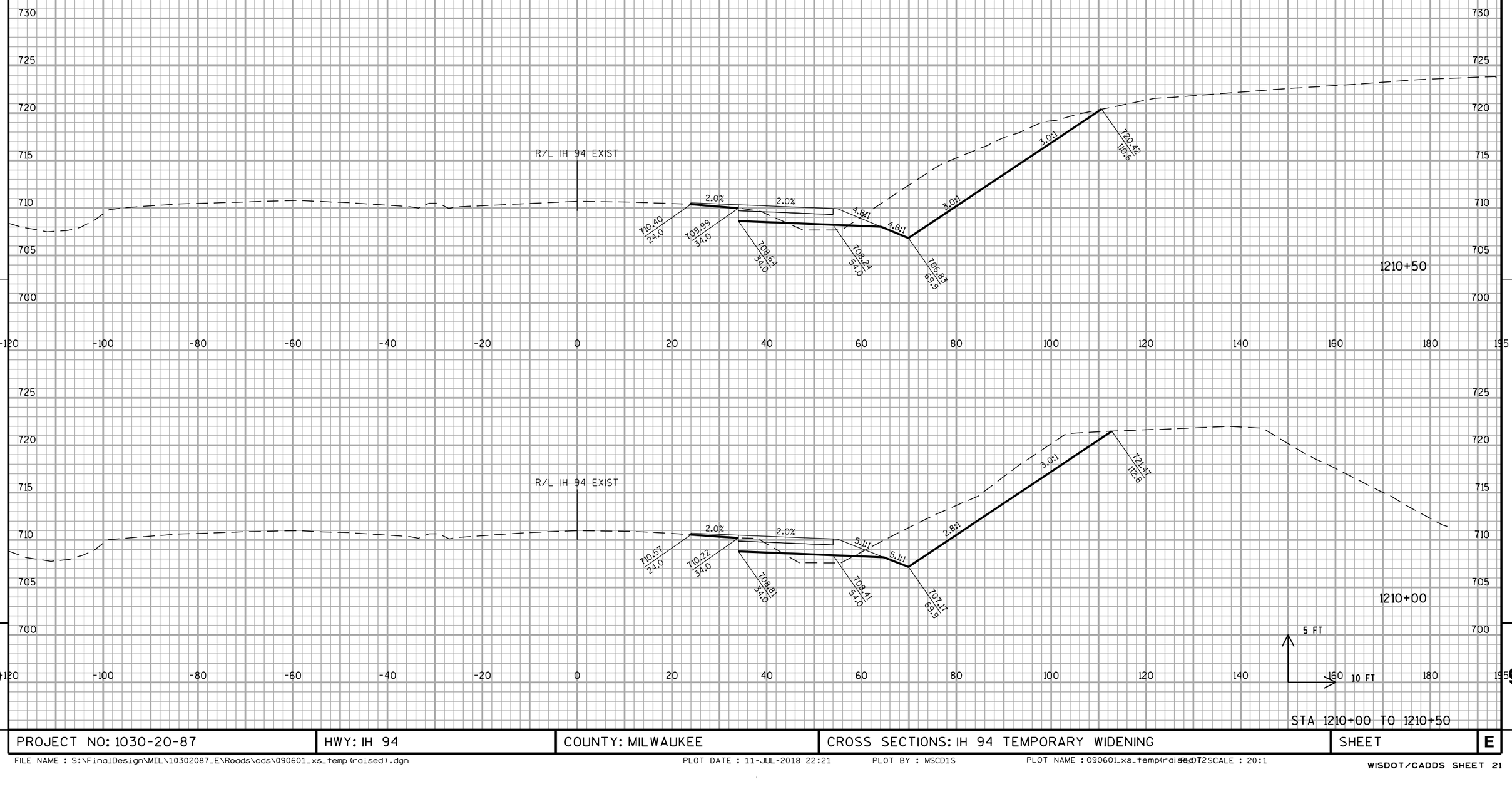
STA 1209+00 TO 1209+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090601_xs_temp(raised).dgn PLOT DATE : 11-JUL-2018 22:21 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp(raised).dgn PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1



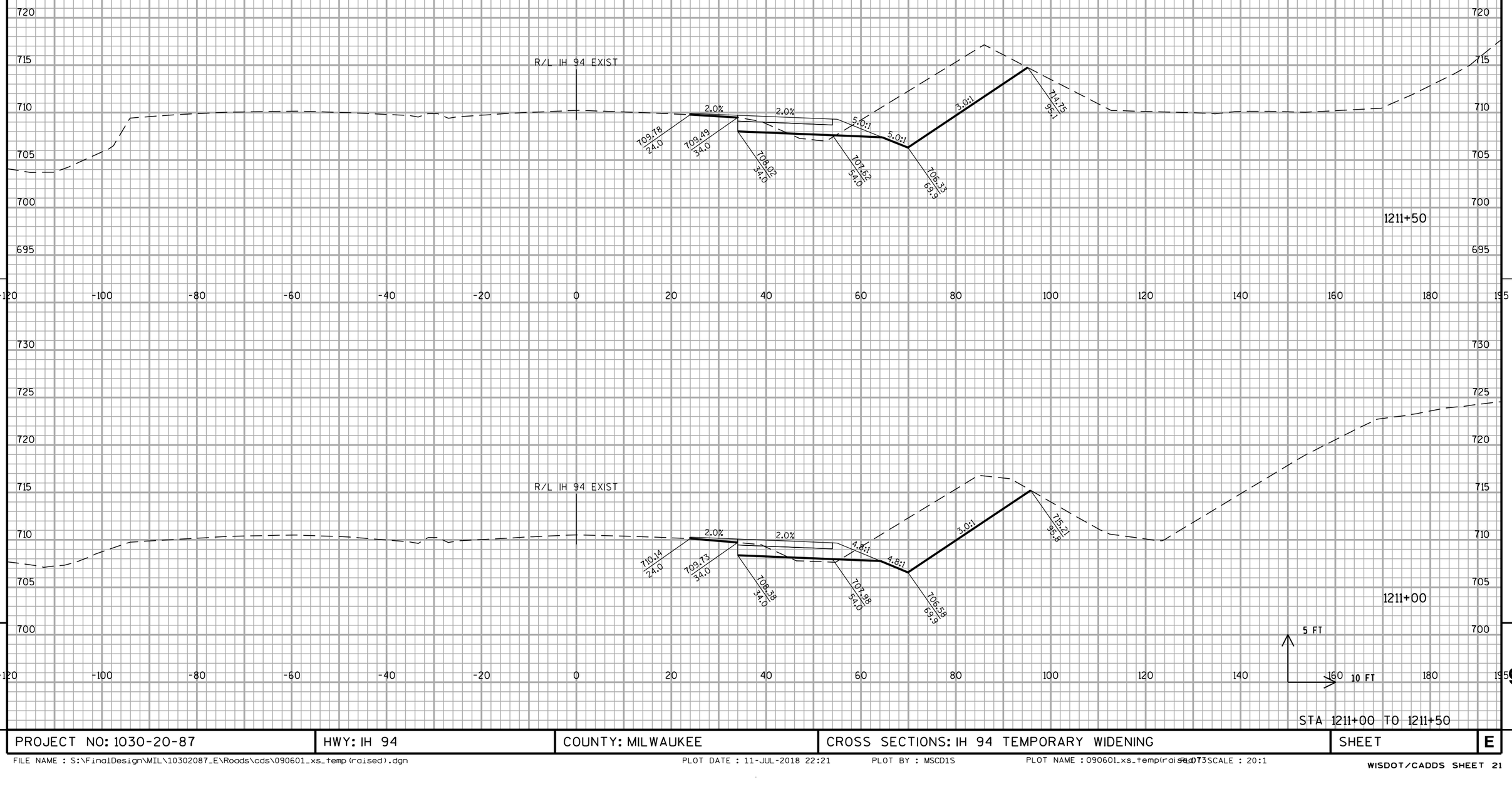
STA 1210+00 TO 1210+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090601_xs_temp(raised).dgn PLOT DATE : 11-JUL-2018 22:21 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp(raised).dgn PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1



STA 1211+00 TO 1211+50

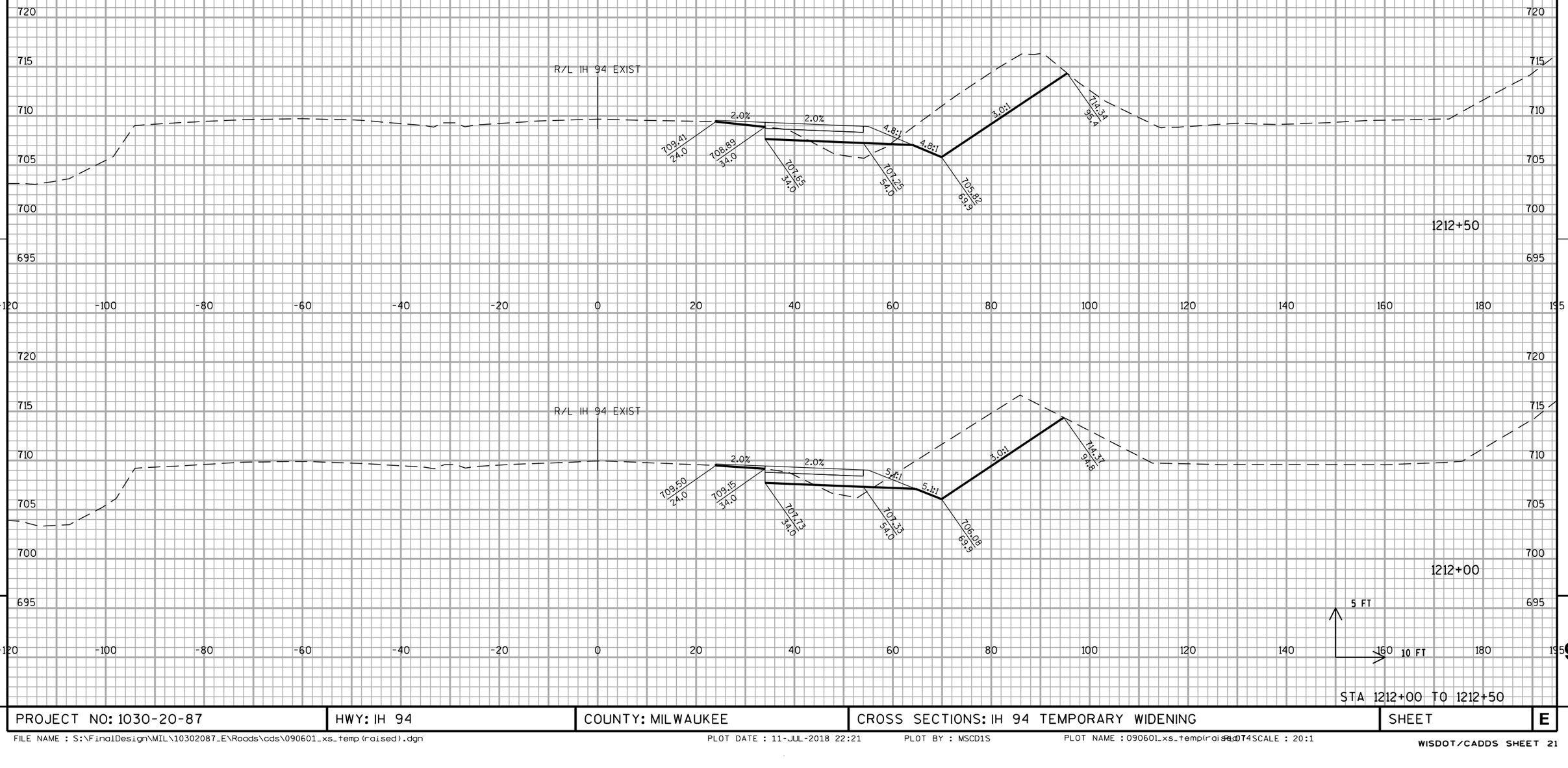
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FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090601_xs_temp(raised).dgn PLOT DATE : 11-JUL-2018 22:21 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp(raised).dgn SCALE : 20:1

WISDOT/CADDS SHEET 21

9

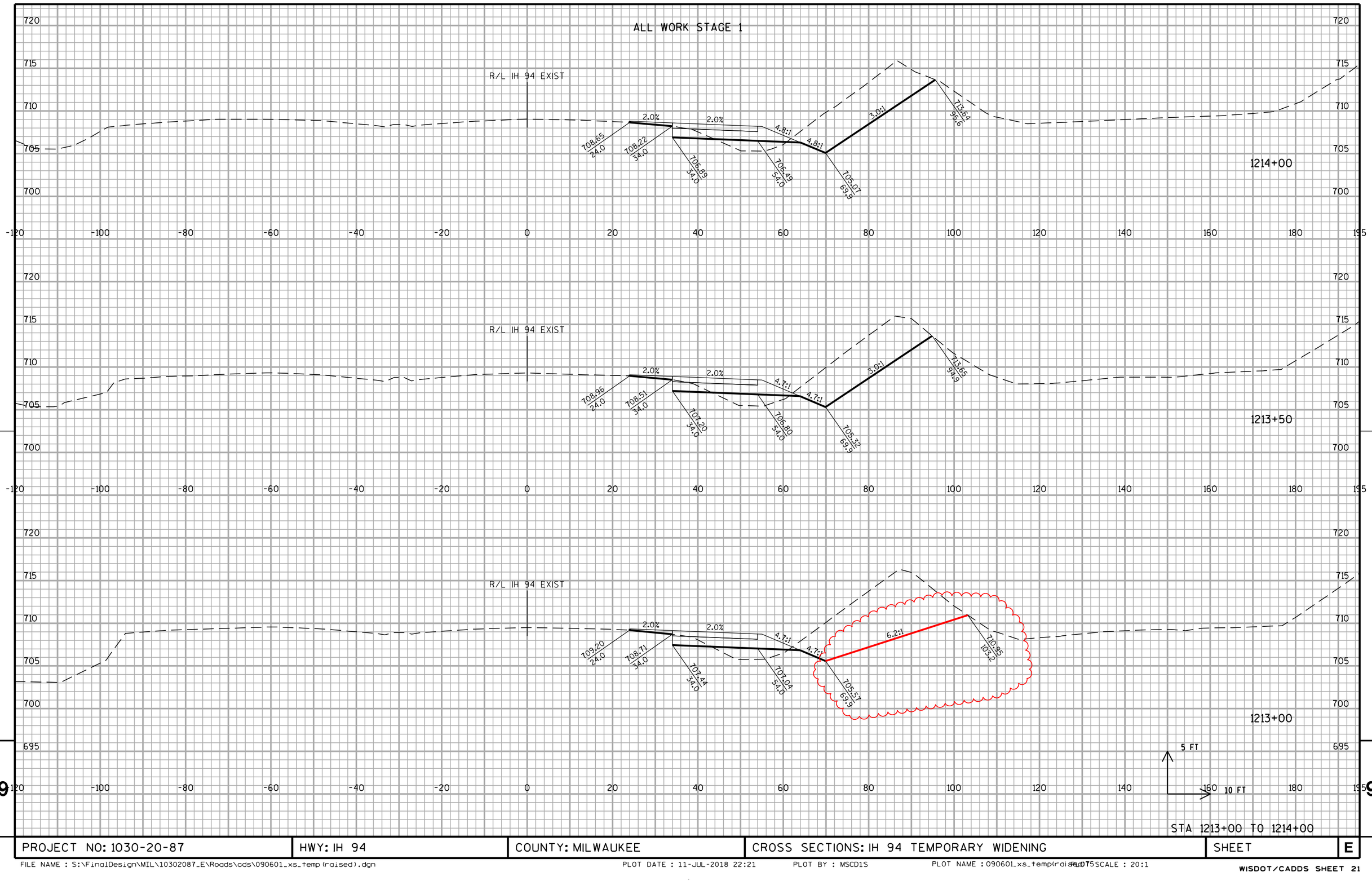
ALL WORK STAGE 1



STA 1212+00 TO 1212+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

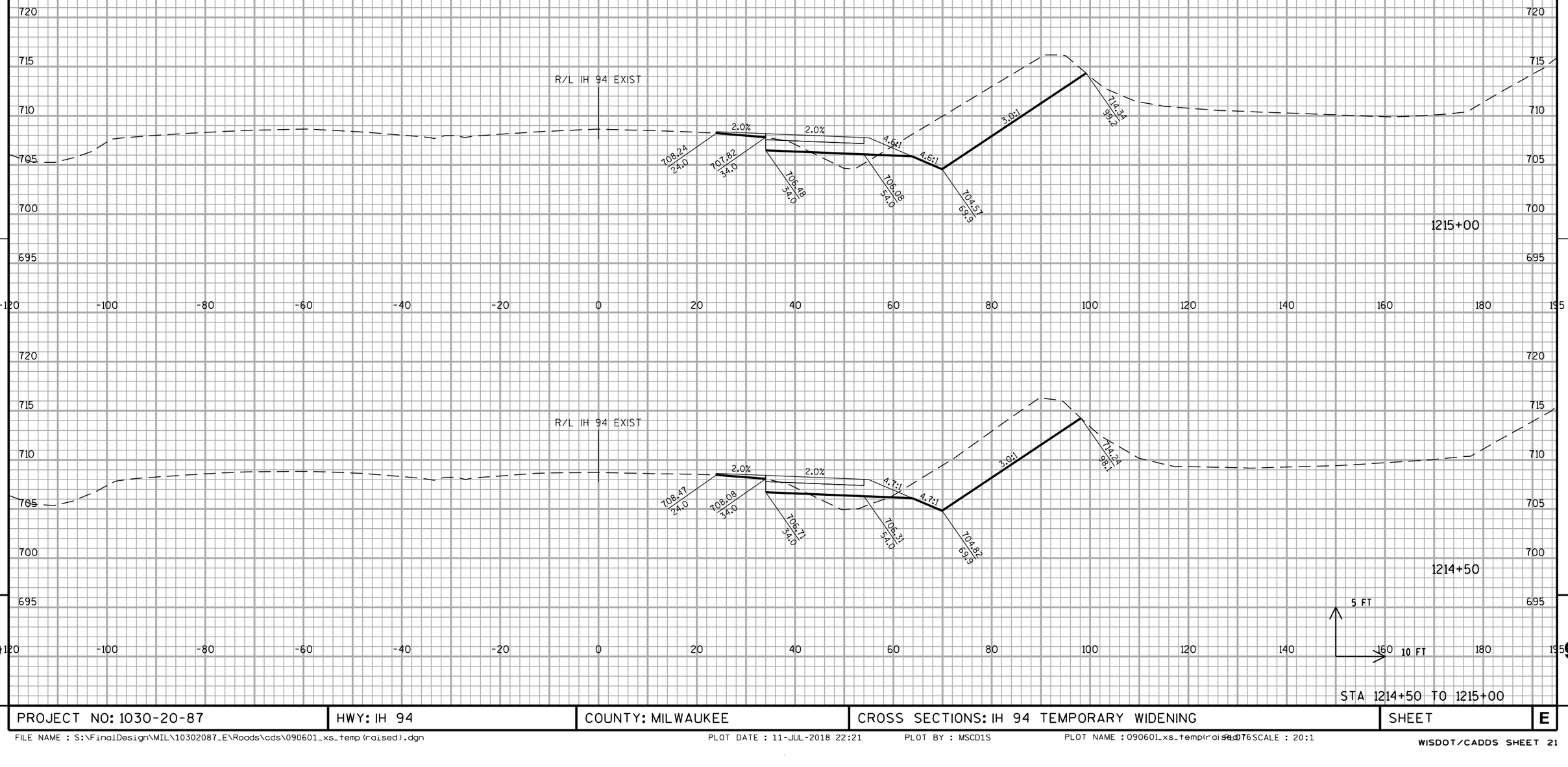
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PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090601_xs_temp(raised).dgn
PLOT DATE : 11-JUL-2018 22:21
PLOT BY : MSCD1S
PLOT NAME : 090601_xs_temp(raised).pltSCALE : 20:1
WISDOT/CADDS SHEET 21

ALL WORK STAGE 1

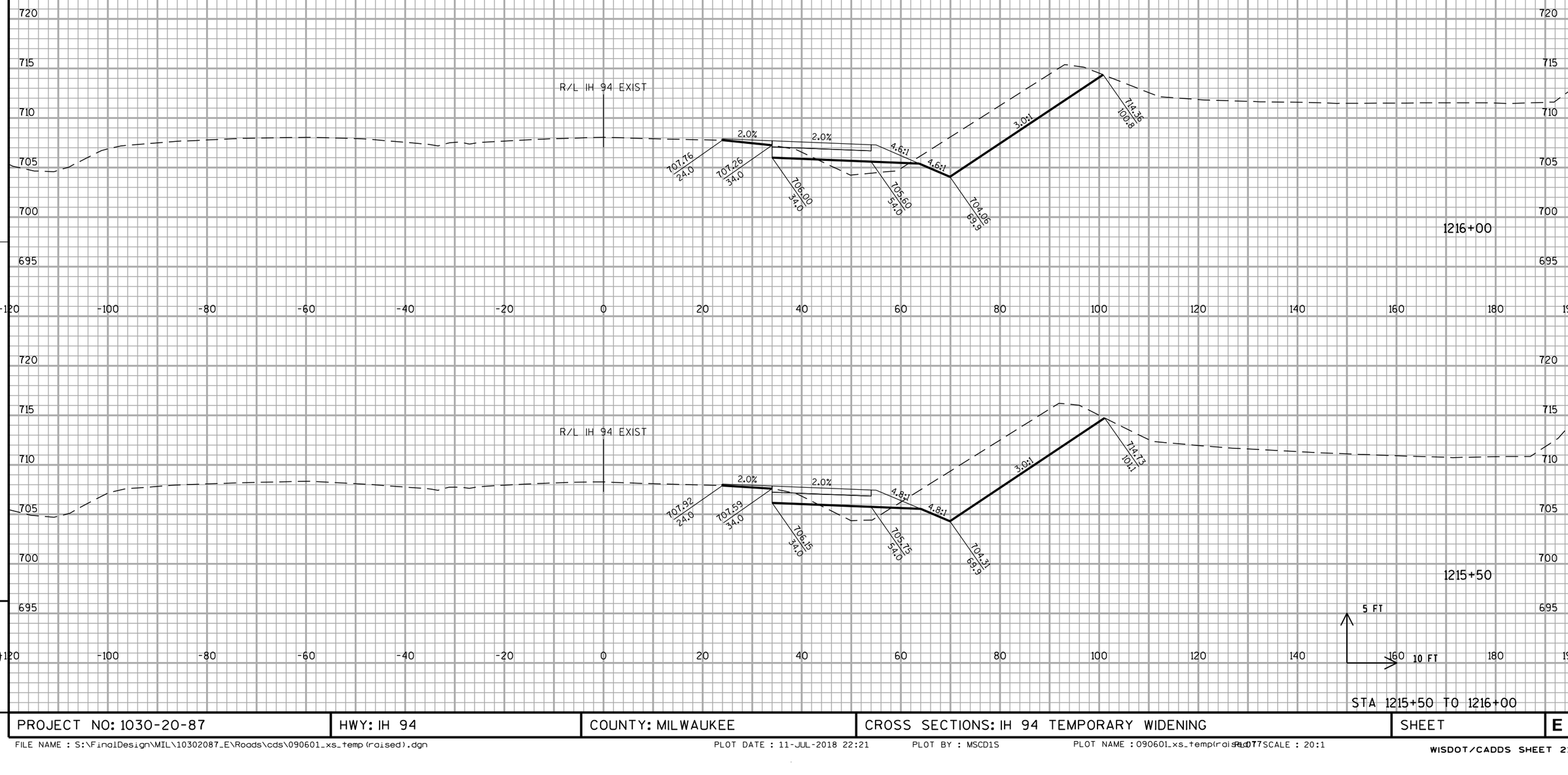


STA 1214+50 TO 1215+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090601_xs_temp(raised).dgn PLOT DATE : 11-JUL-2018 22:21 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp(raised).dgn PLOT SCALE : 20:1

ALL WORK STAGE 1



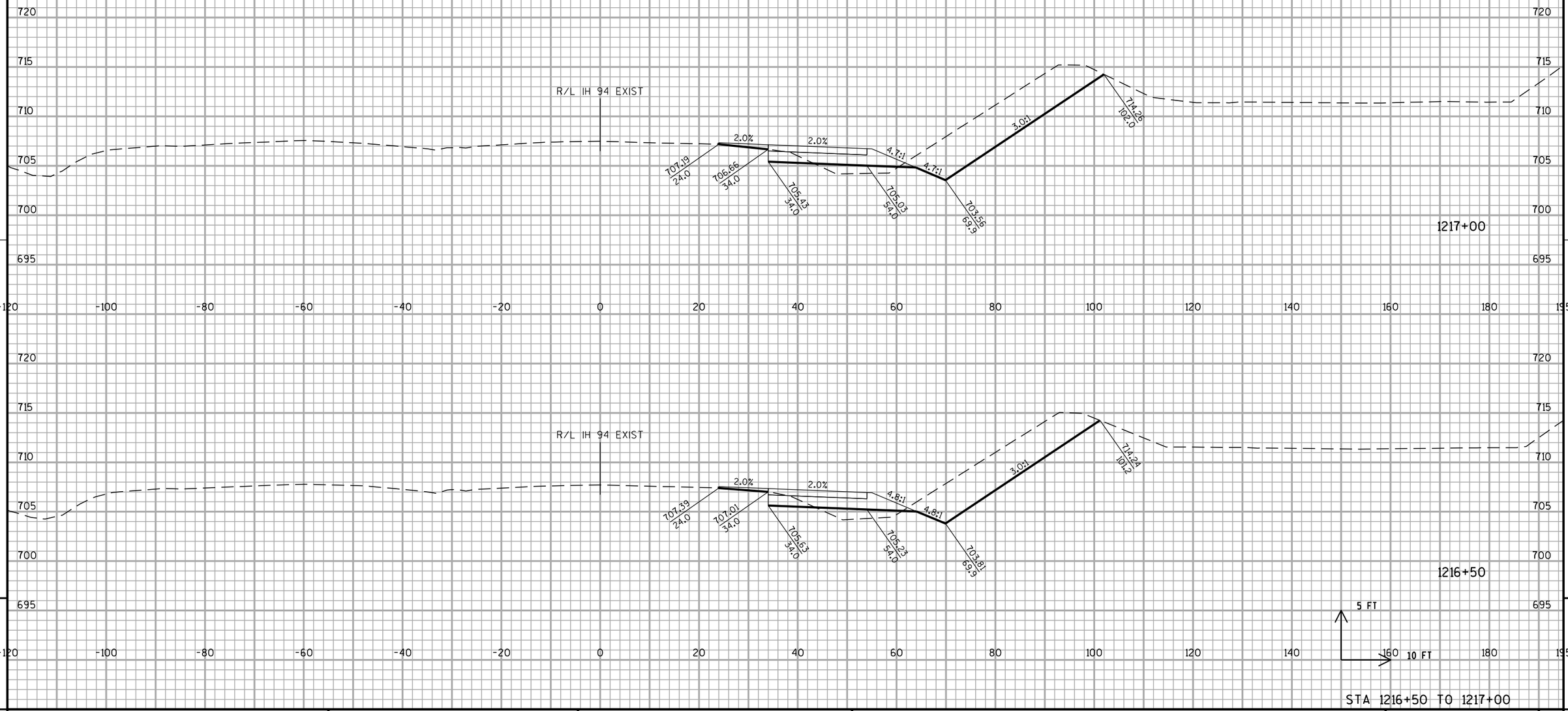
STA 1215+50 TO 1216+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090601_xs_temp(raised).dgn PLOT DATE : 11-JUL-2018 22:21 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp(raised).dgn PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1



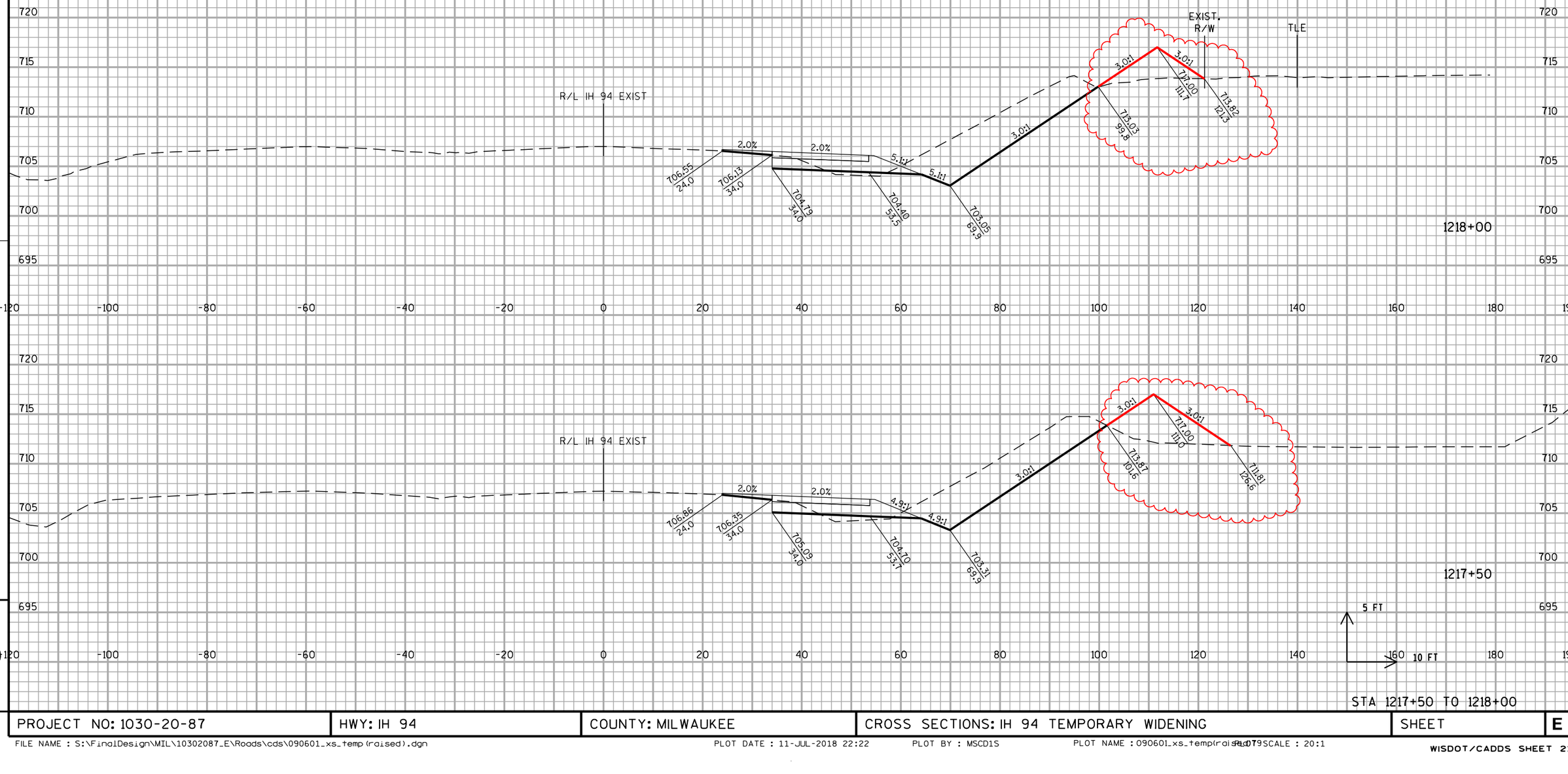
STA 1216+50 TO 1217+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090601_xs_temp(raised).dgn PLOT DATE : 11-JUL-2018 22:22 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp(raised).dgn PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1



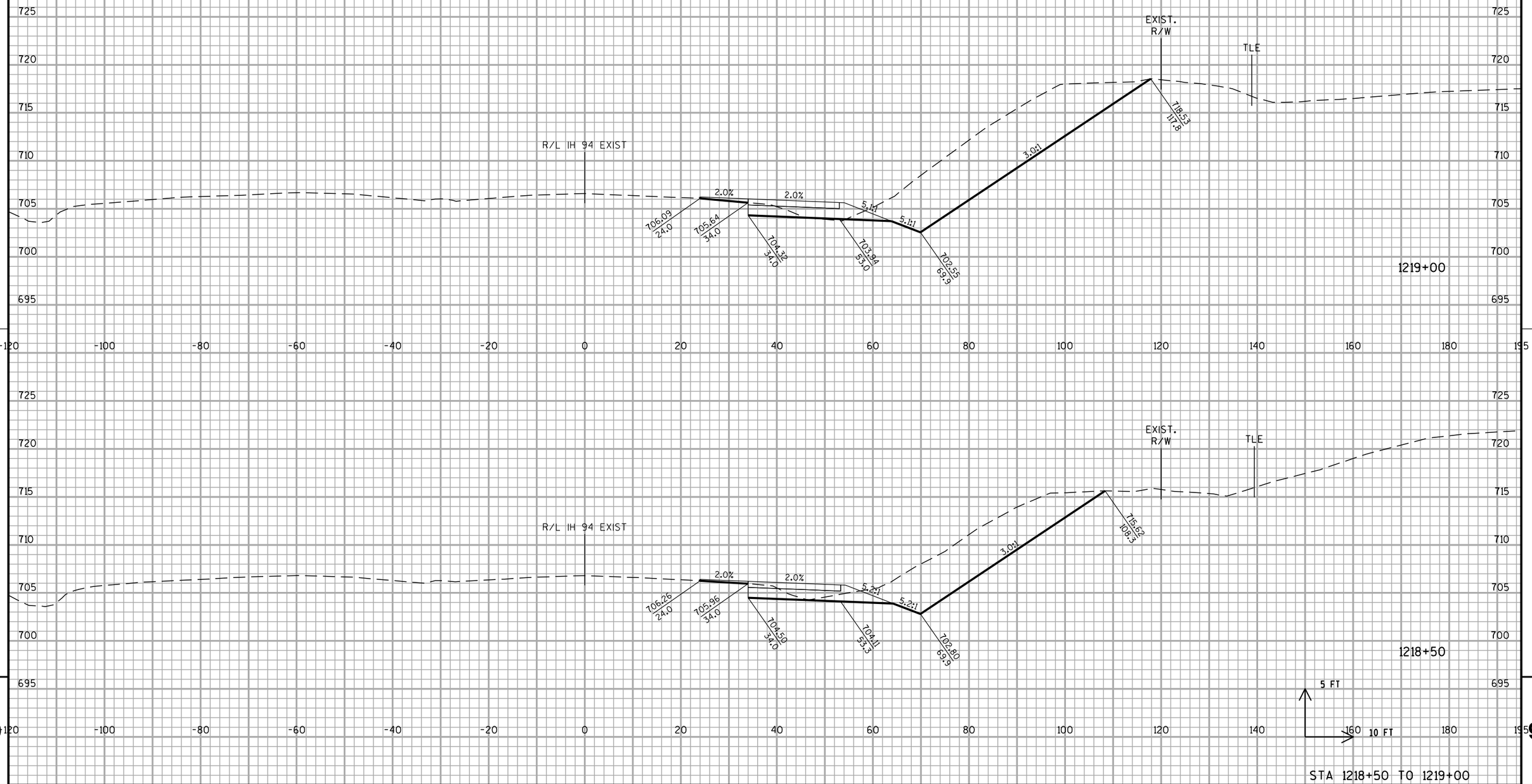
STA 1217+50 TO 1218+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090601_xs_temp(raised).dgn PLOT DATE : 11-JUL-2018 22:22 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp(raised).dgn PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1



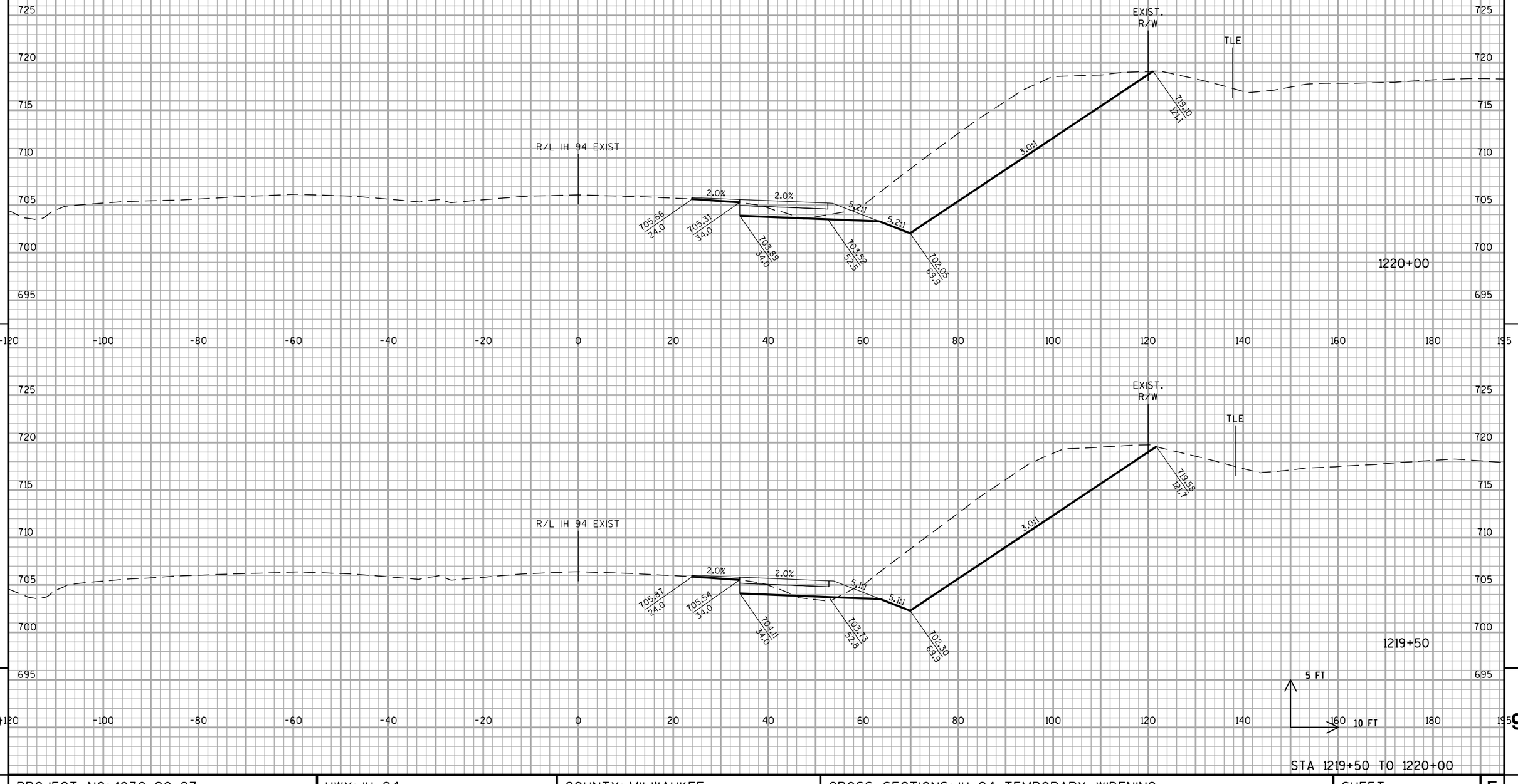
STA 1218+50 TO 1219+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090601_xs_temp(raised).dgn PLOT DATE : 11-JUL-2018 22:22 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp(raised).dgn PLOTSCALE : 20:1

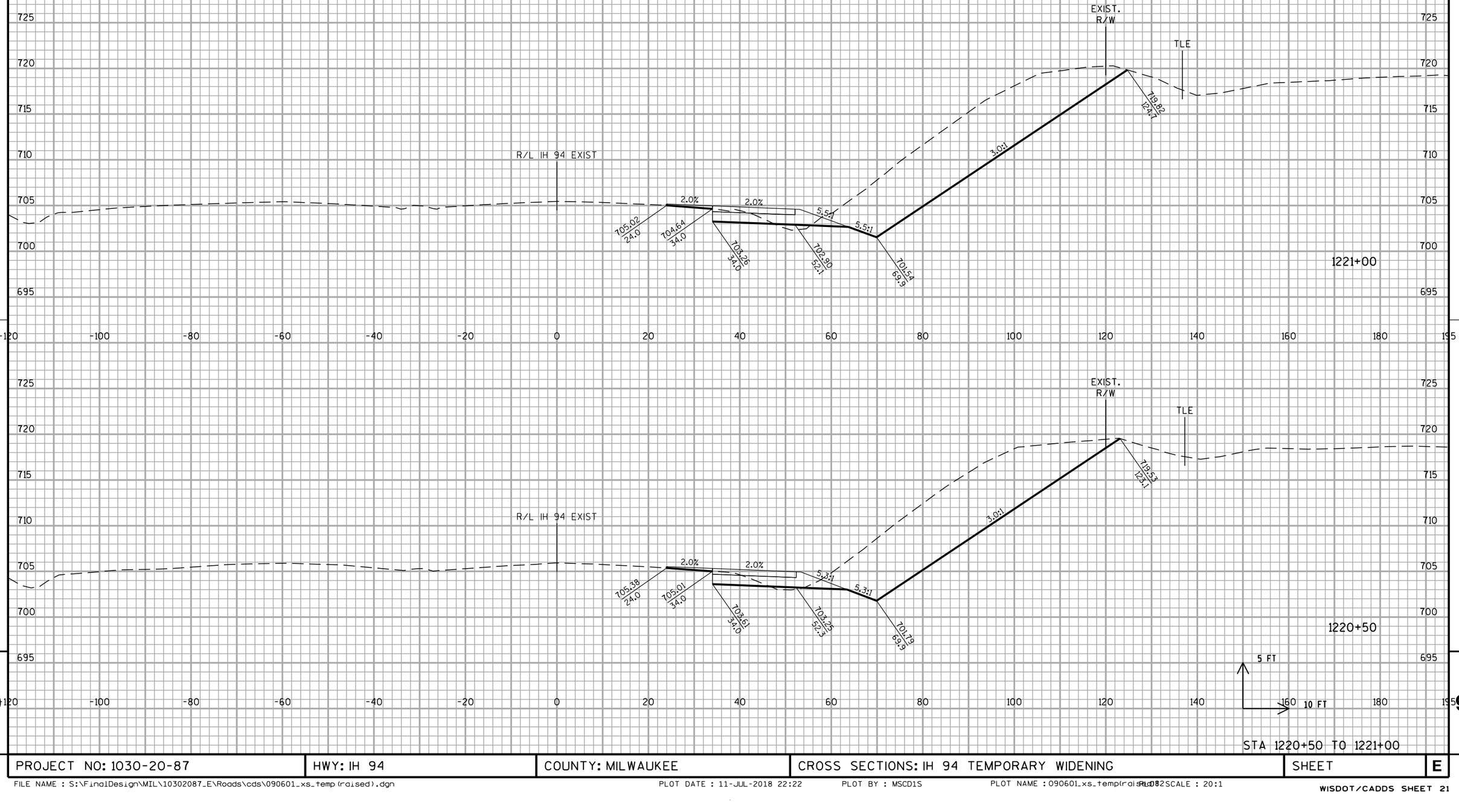
WISDOT/CADDS SHEET 21

ALL WORK STAGE 1



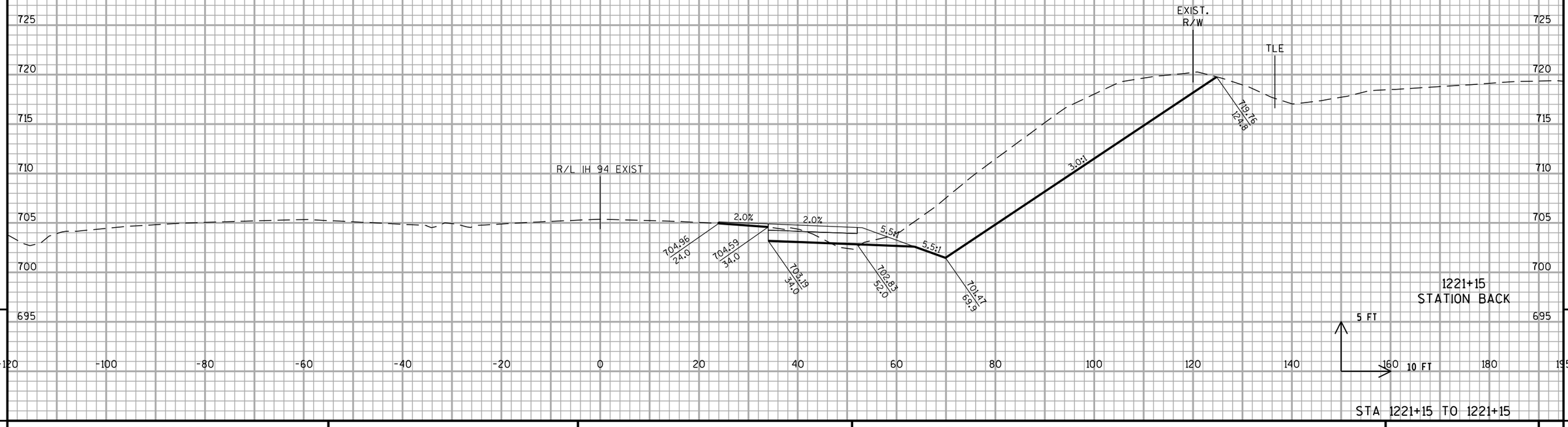
PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

ALL WORK STAGE 1



PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

ALL WORK STAGE 1



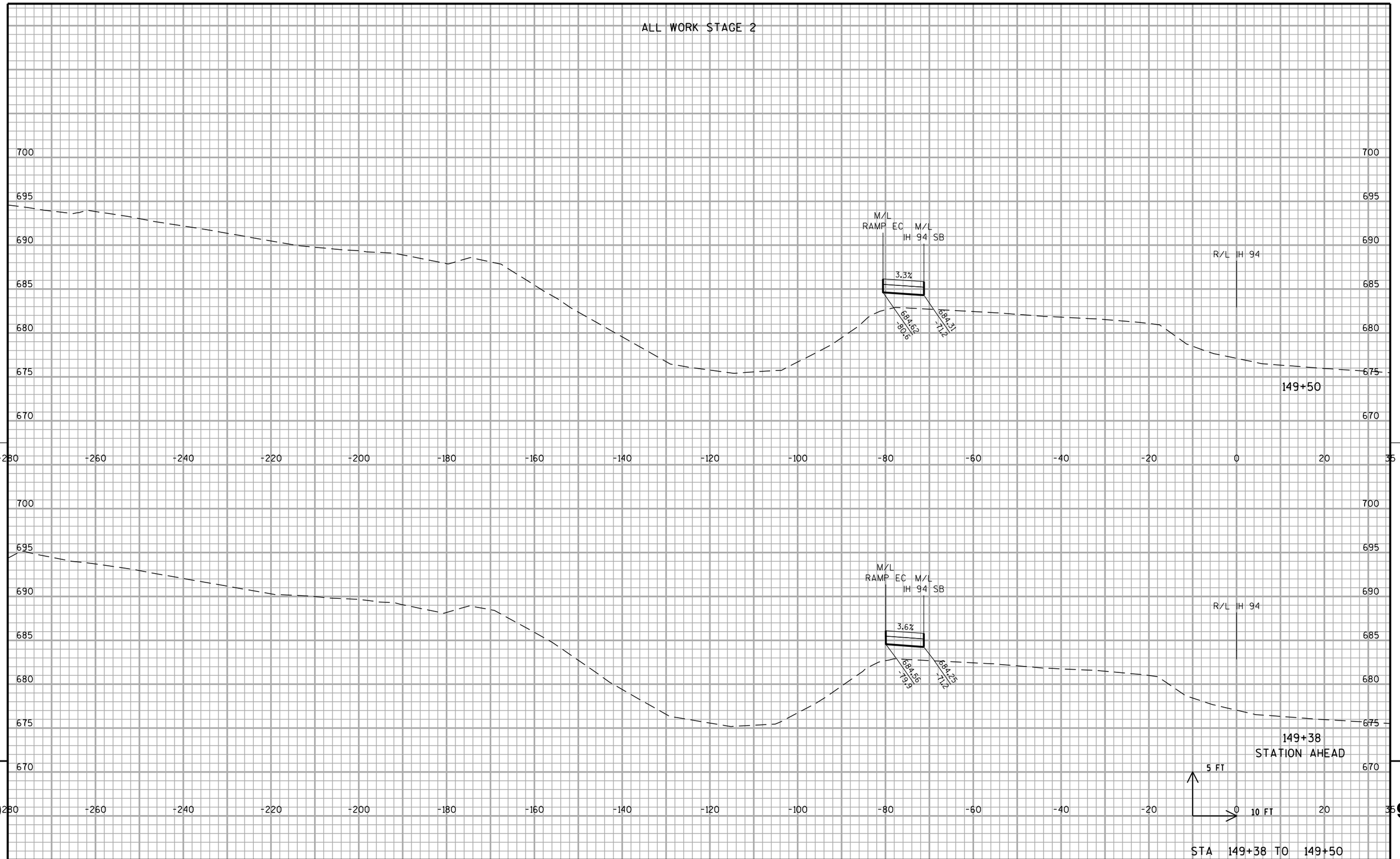
STA 1221+15 TO 1221+15

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090601_xs_temp(raised).dgn PLOT DATE : 11-JUL-2018 22:22 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp(raised).dgn SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 2



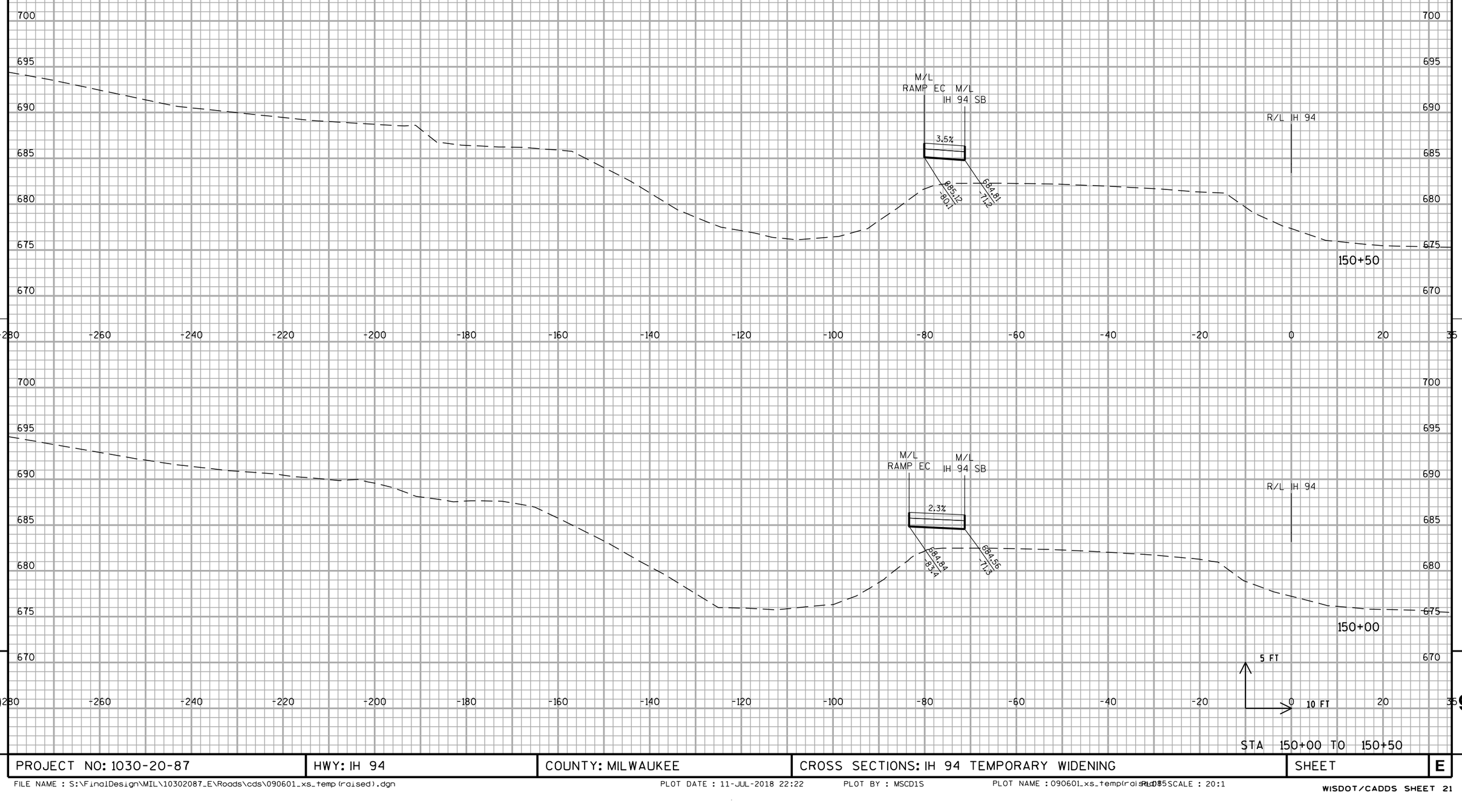
STA 149+38 TO 149+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090601_xs_temp(raised).dgn PLOT DATE : 11-JUL-2018 22:22 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp(raised).dgn PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 2



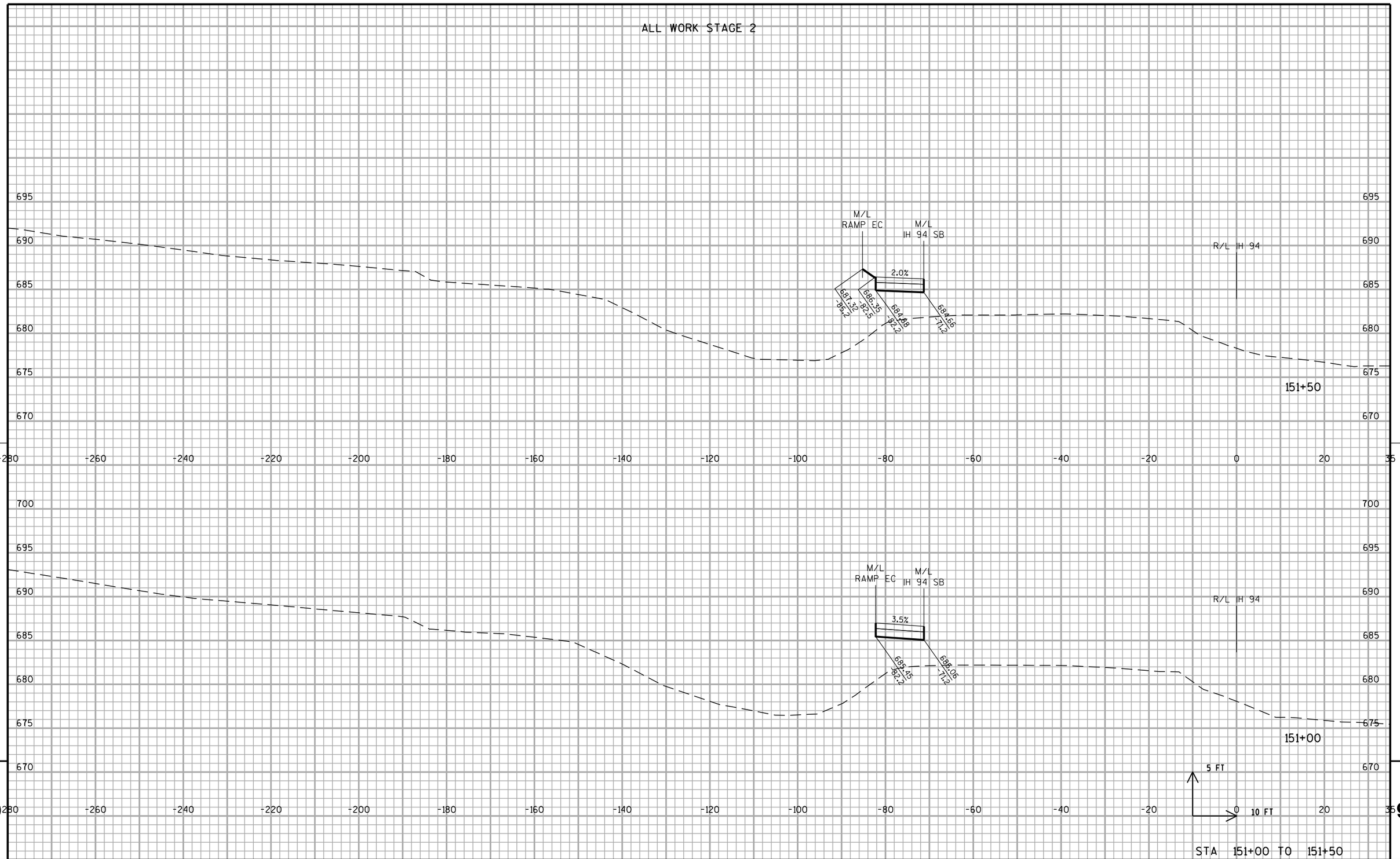
STA 150+00 TO 150+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090601_xs_temp(raised).dgn PLOT DATE : 11-JUL-2018 22:22 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp(raised).dgn PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

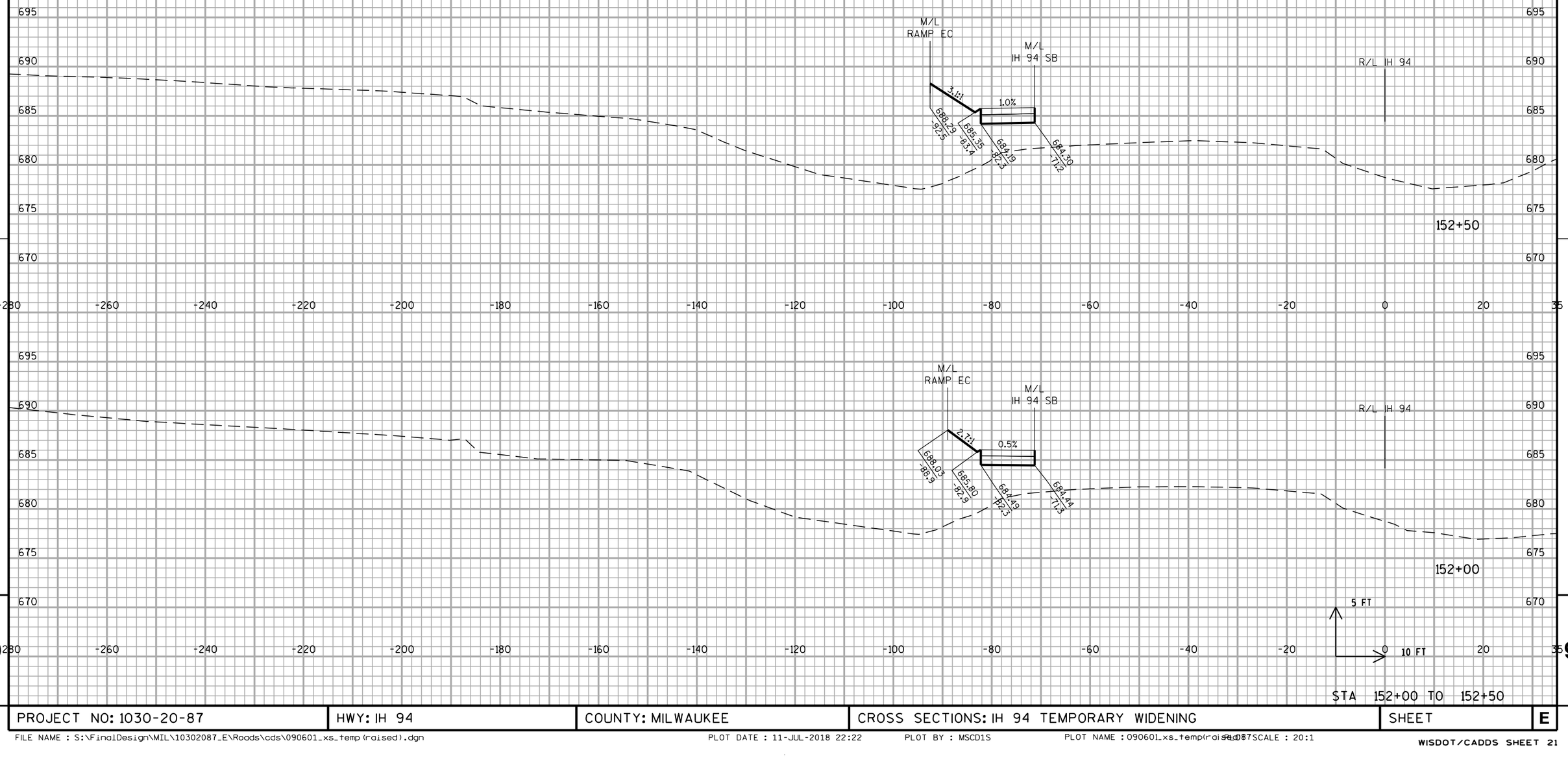
ALL WORK STAGE 2



STA 151+00 TO 151+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

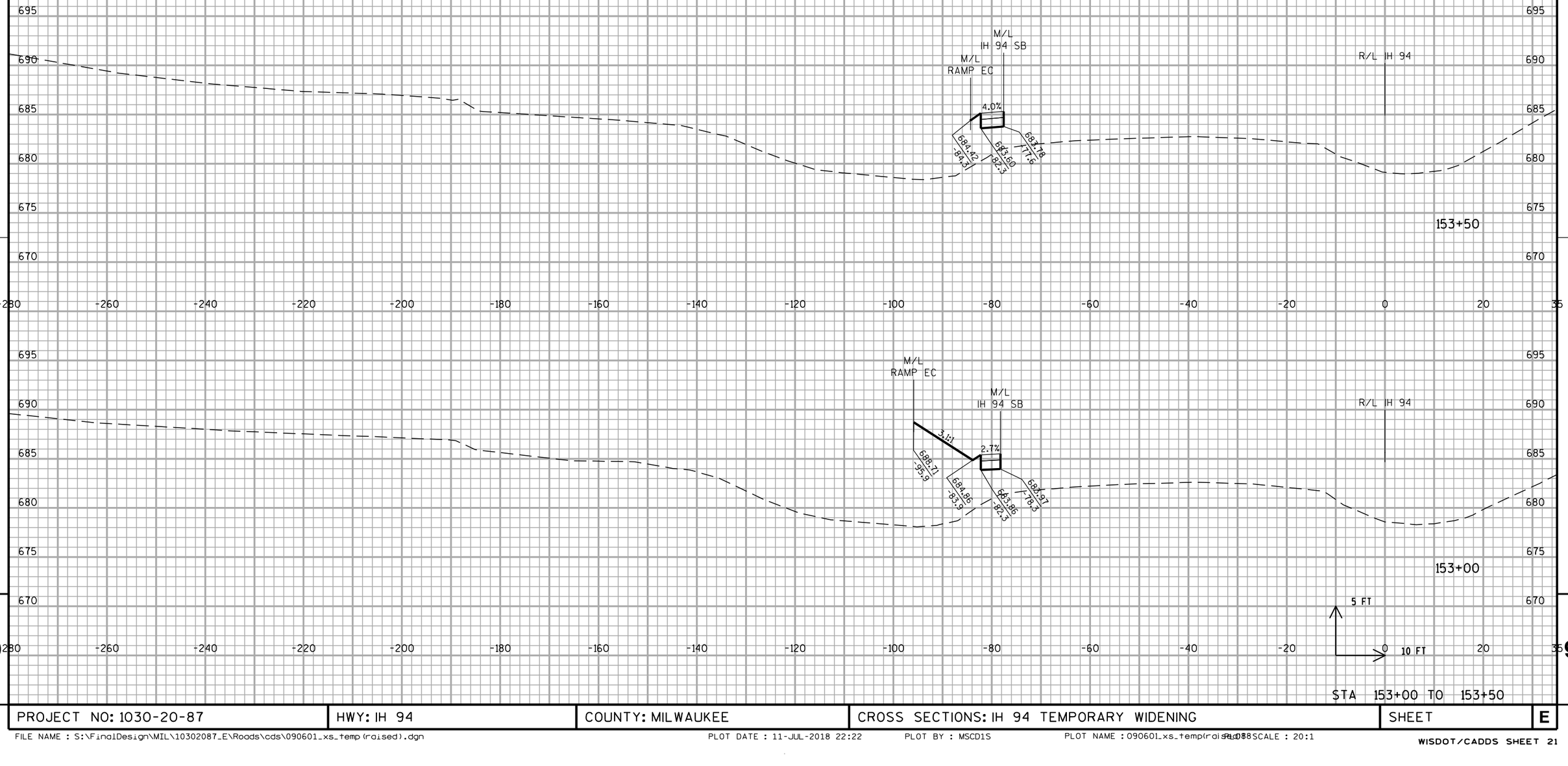
ALL WORK STAGE 2



STA 152+00 TO 152+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

ALL WORK STAGE 2



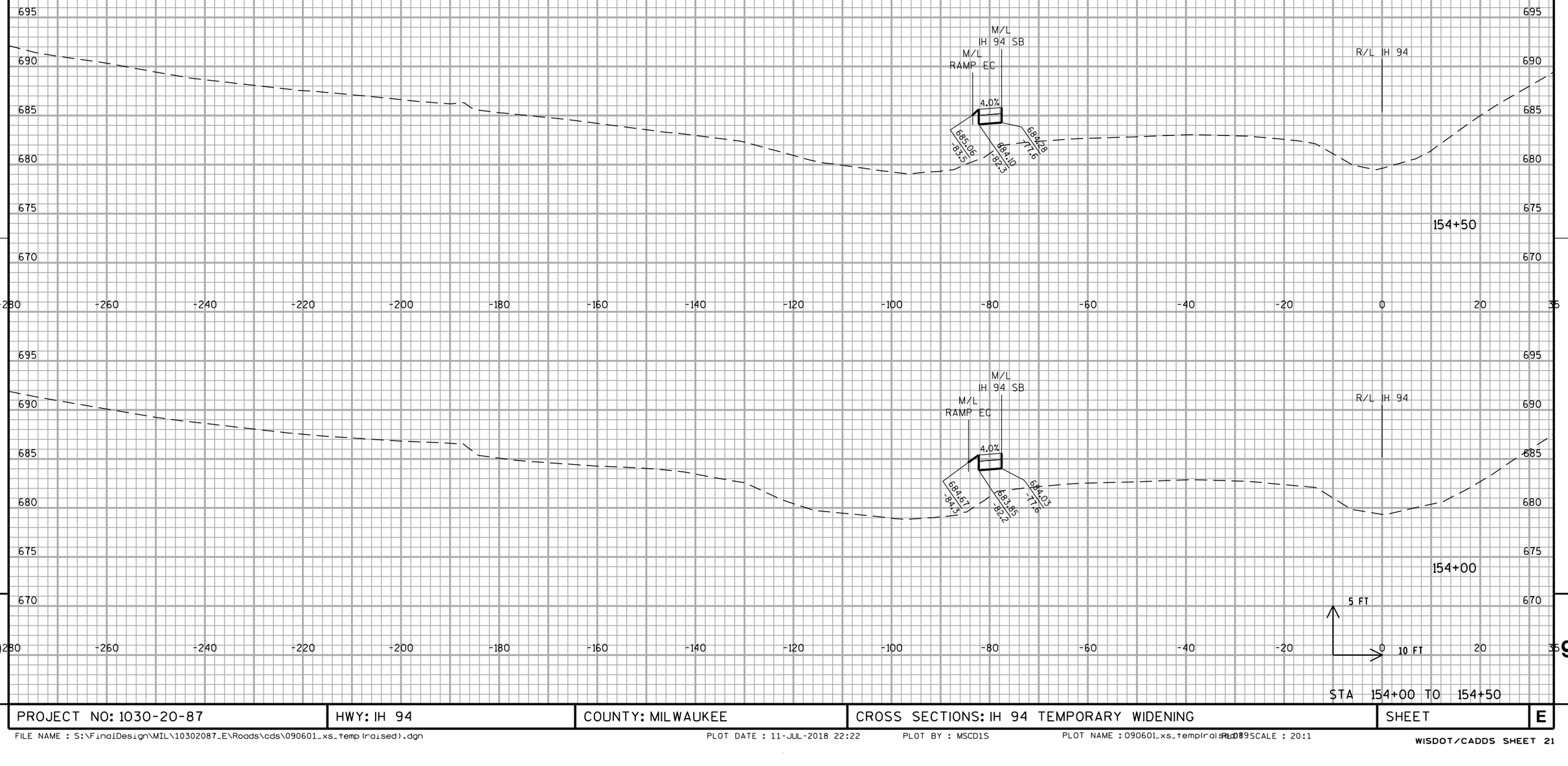
STA 153+00 TO 153+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090601_xs_temp(raised).dgn PLOT DATE : 11-JUL-2018 22:22 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp(raised).dgn PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 2

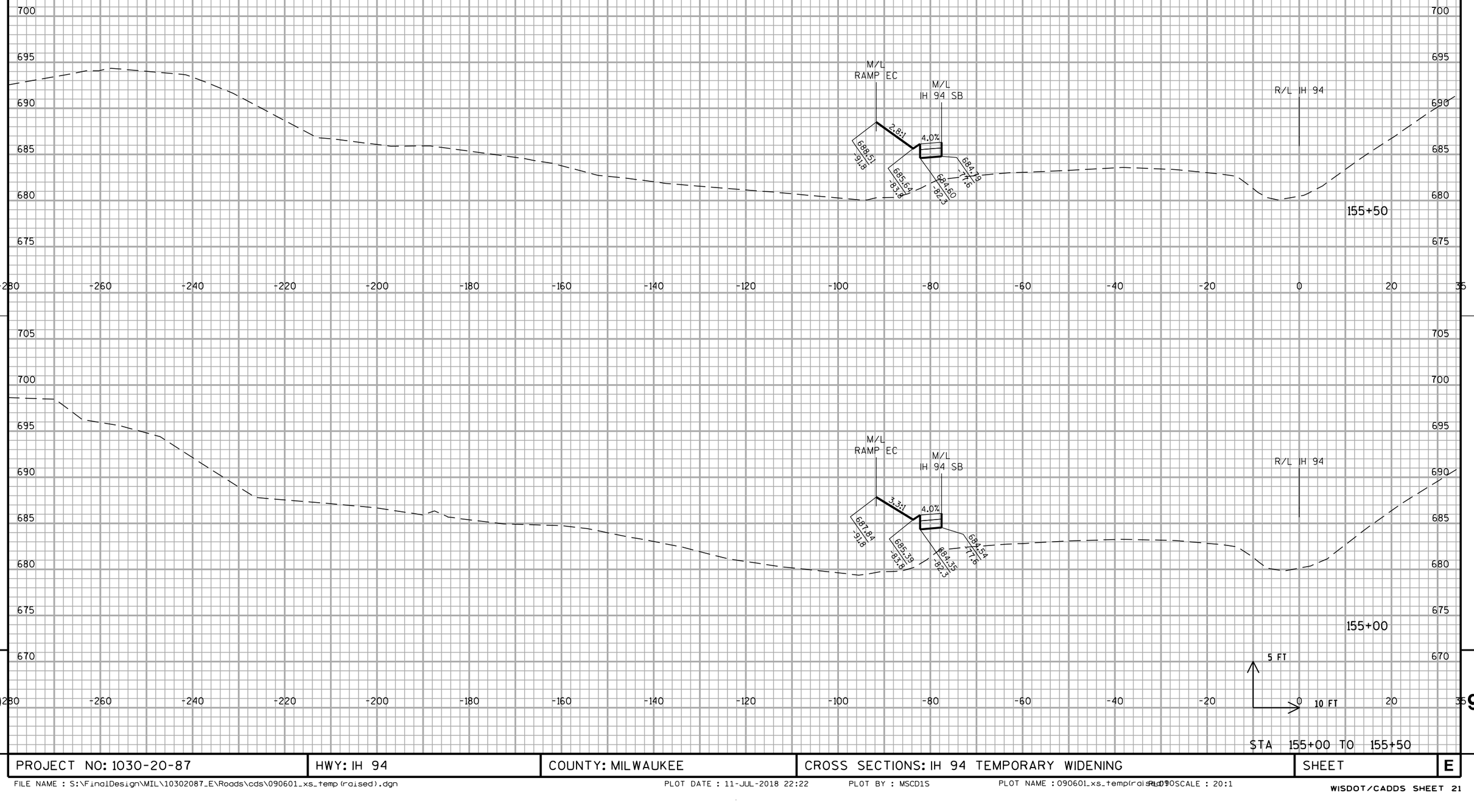


PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090601_xs_temp(raised).dgn PLOT DATE : 11-JUL-2018 22:22 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp(raised).dgn SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 2

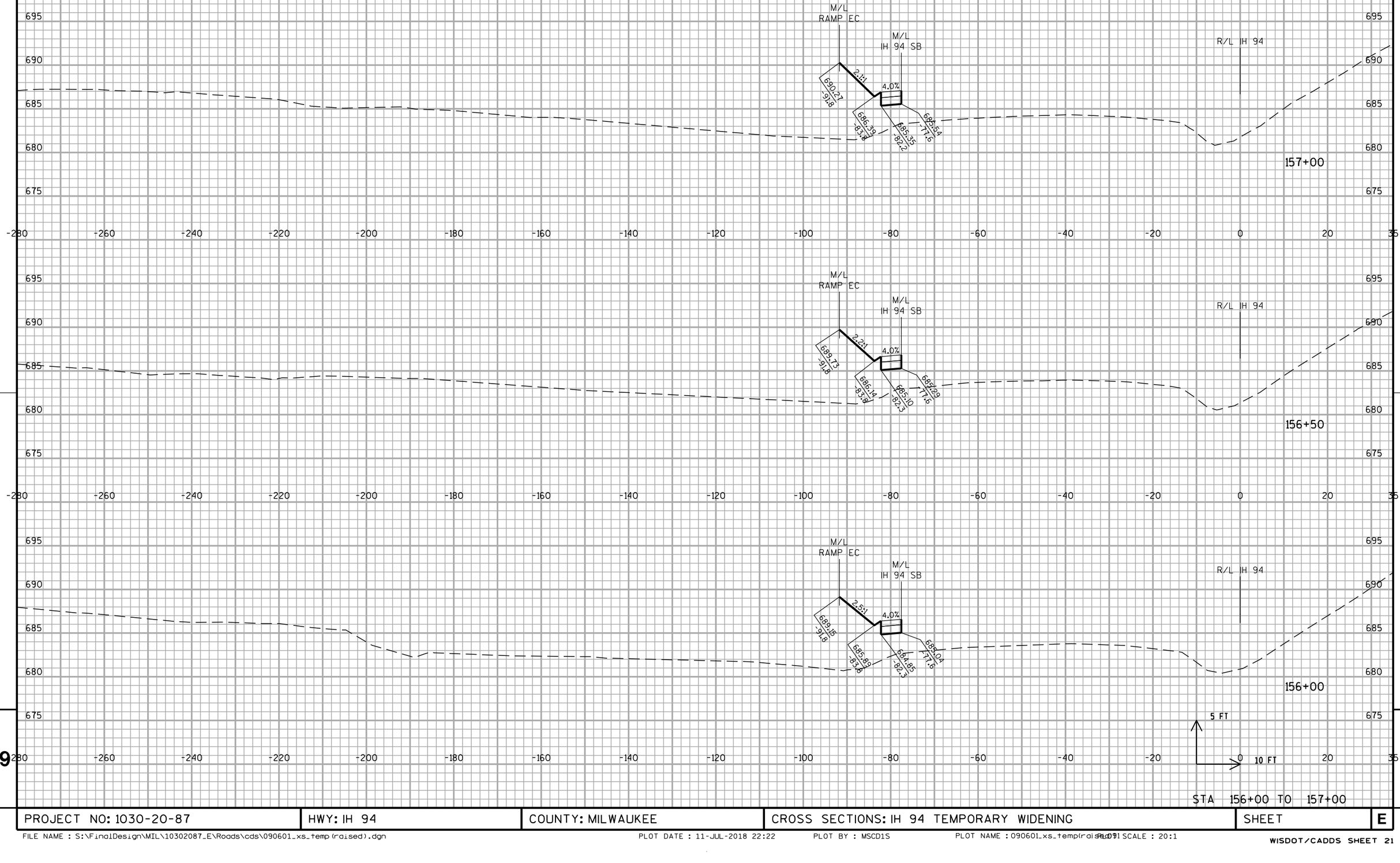


STA 155+00 TO 155+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090601_xs_temp(raised).dgn PLOT DATE : 11-JUL-2018 22:22 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp(raised).PLOTSCALE : 20:1

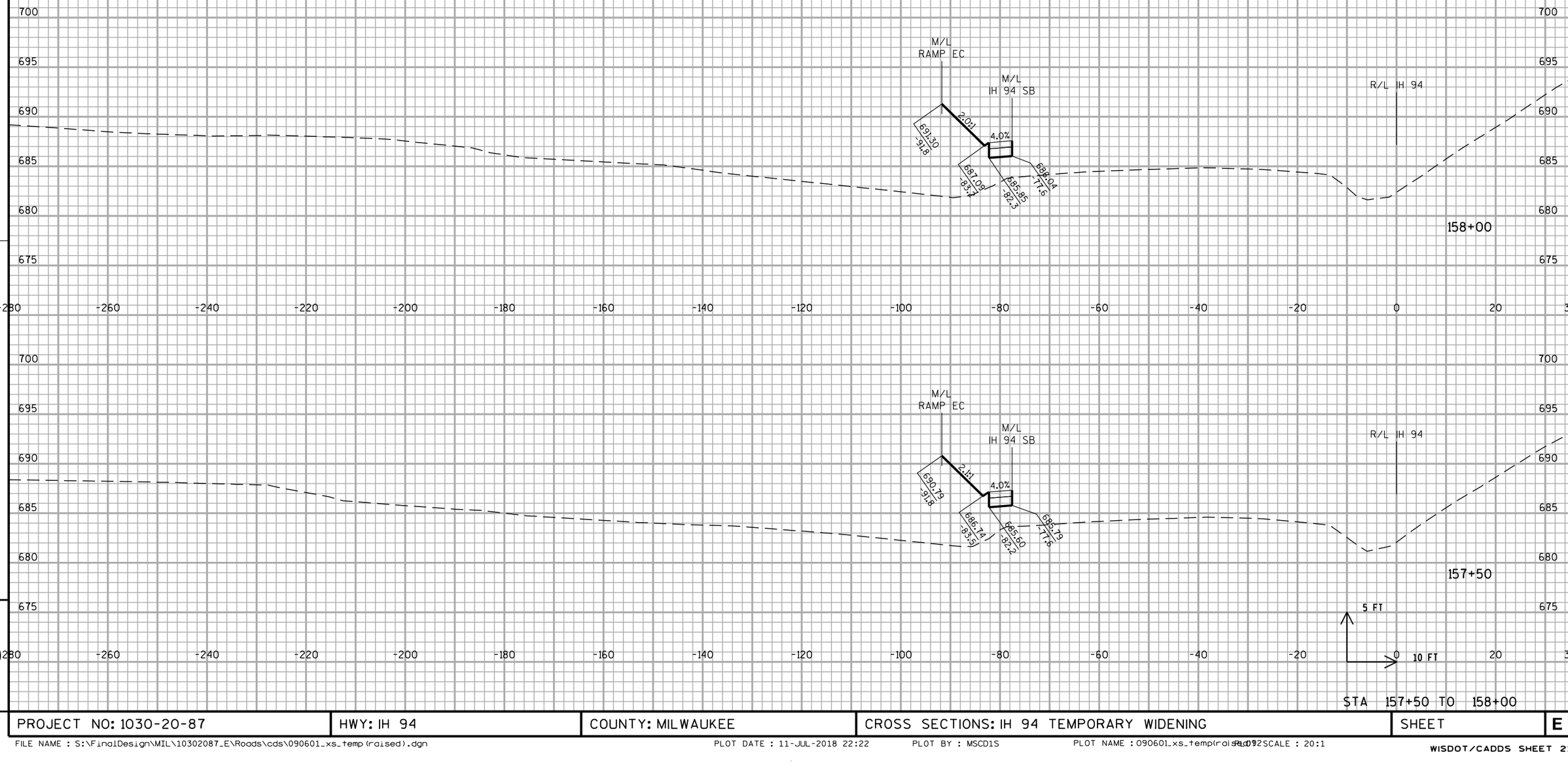
ALL WORK STAGE 2



STA 156+00 TO 157+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

ALL WORK STAGE 2

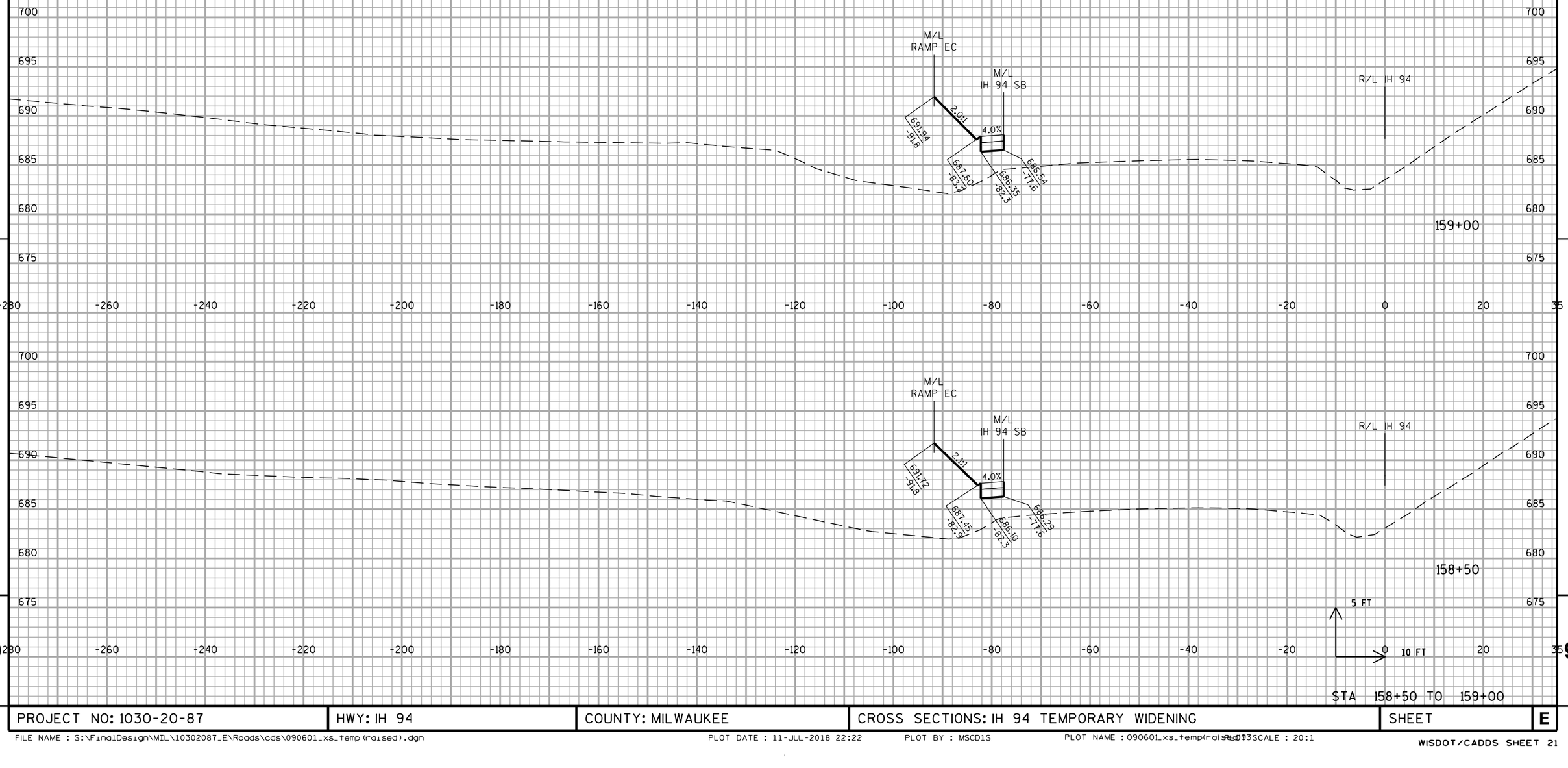


STA 157+50 TO 158+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090601_xs_temp(raised).dgn PLOT DATE : 11-JUL-2018 22:22 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp(raised).dgn PLOT SCALE : 20:1

ALL WORK STAGE 2



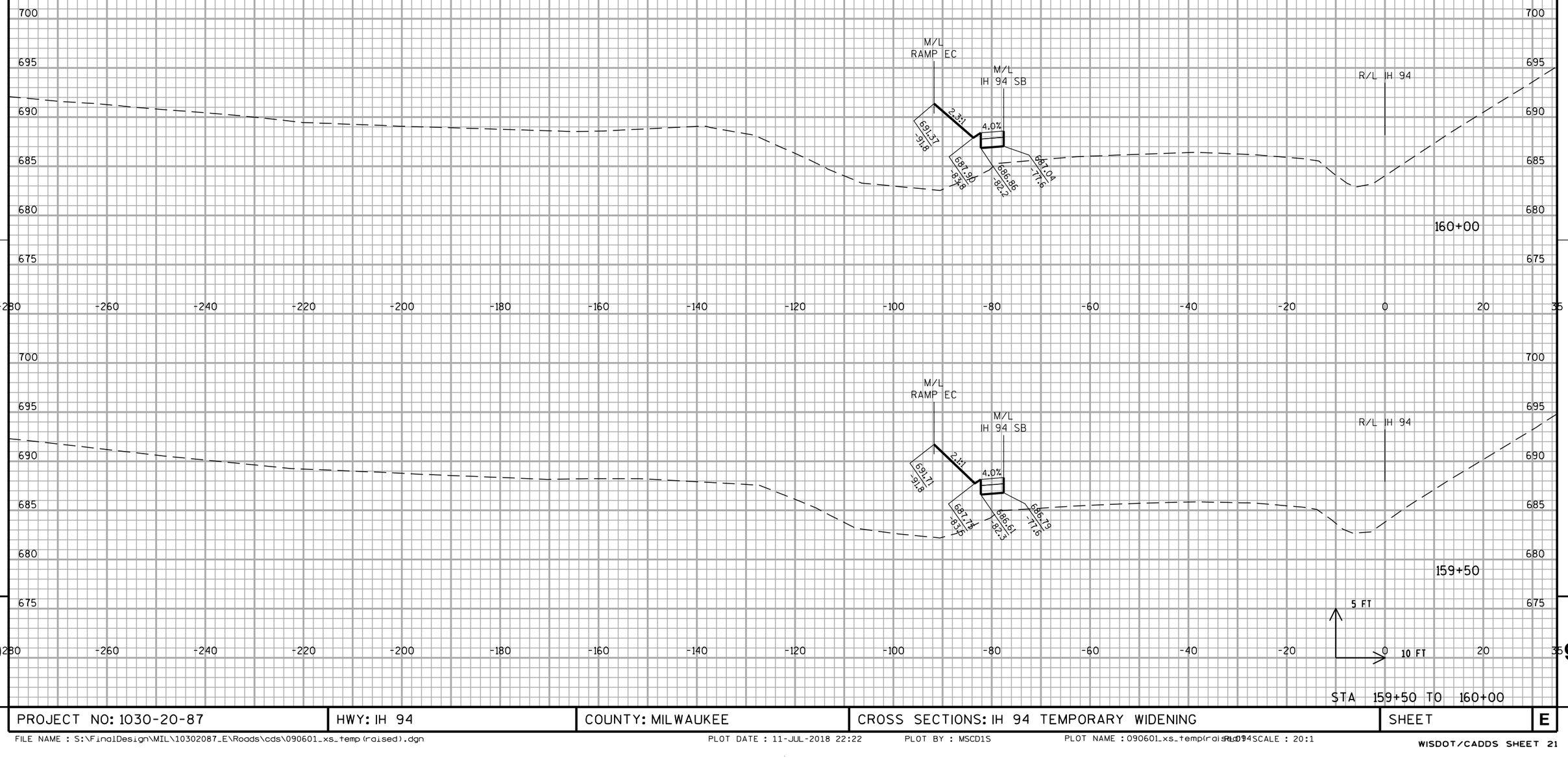
STA 158+50 TO 159+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090601_xs_temp(raised).dgn PLOT DATE : 11-JUL-2018 22:22 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp(raised).dgn PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 2



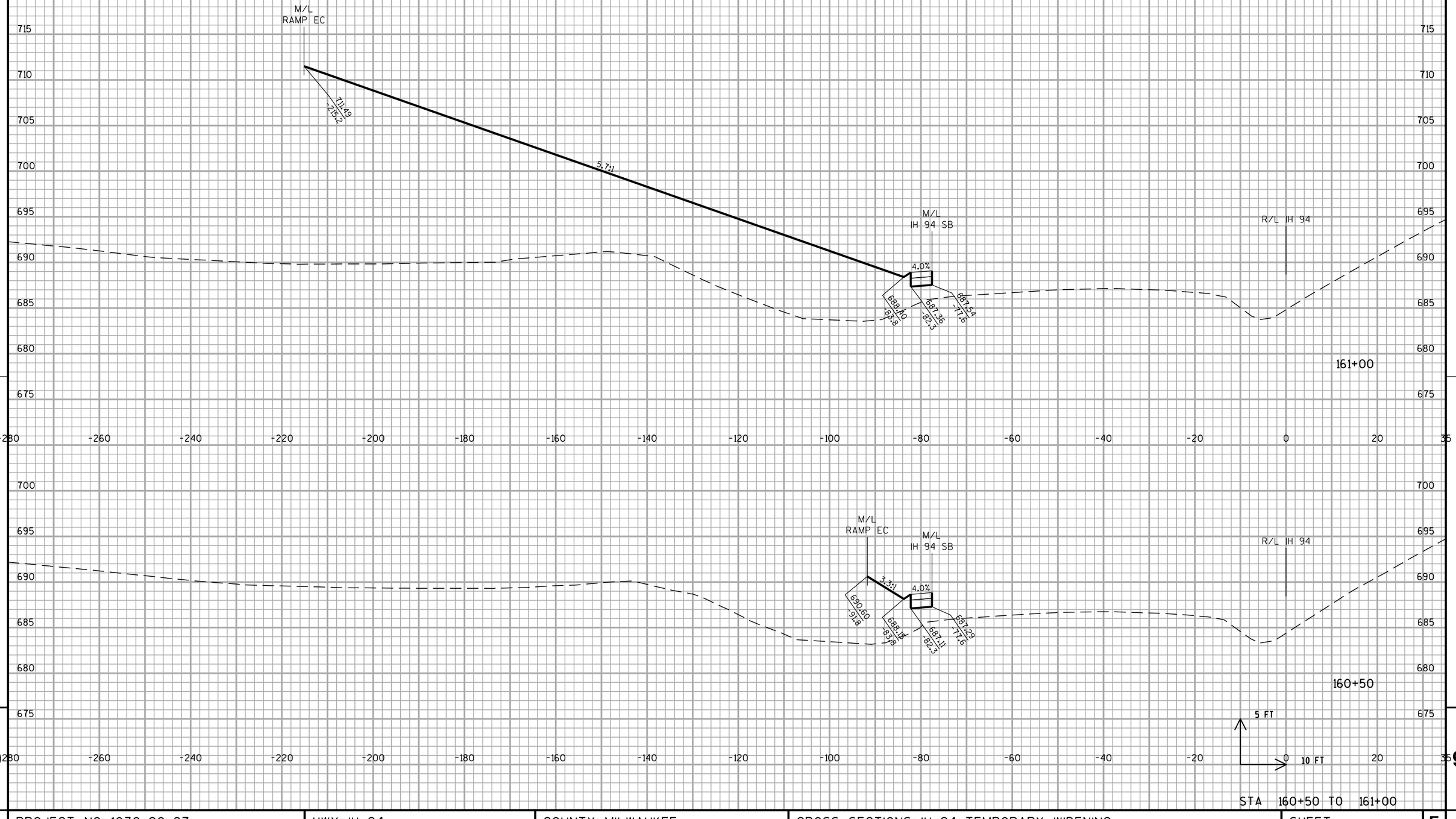
STA 159+50 TO 160+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

9 9

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090601_xs_temp(raised).dgn PLOT DATE : 11-JUL-2018 22:22 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp(raised).dgn PLOT SCALE : 20:1

ALL WORK STAGE 2



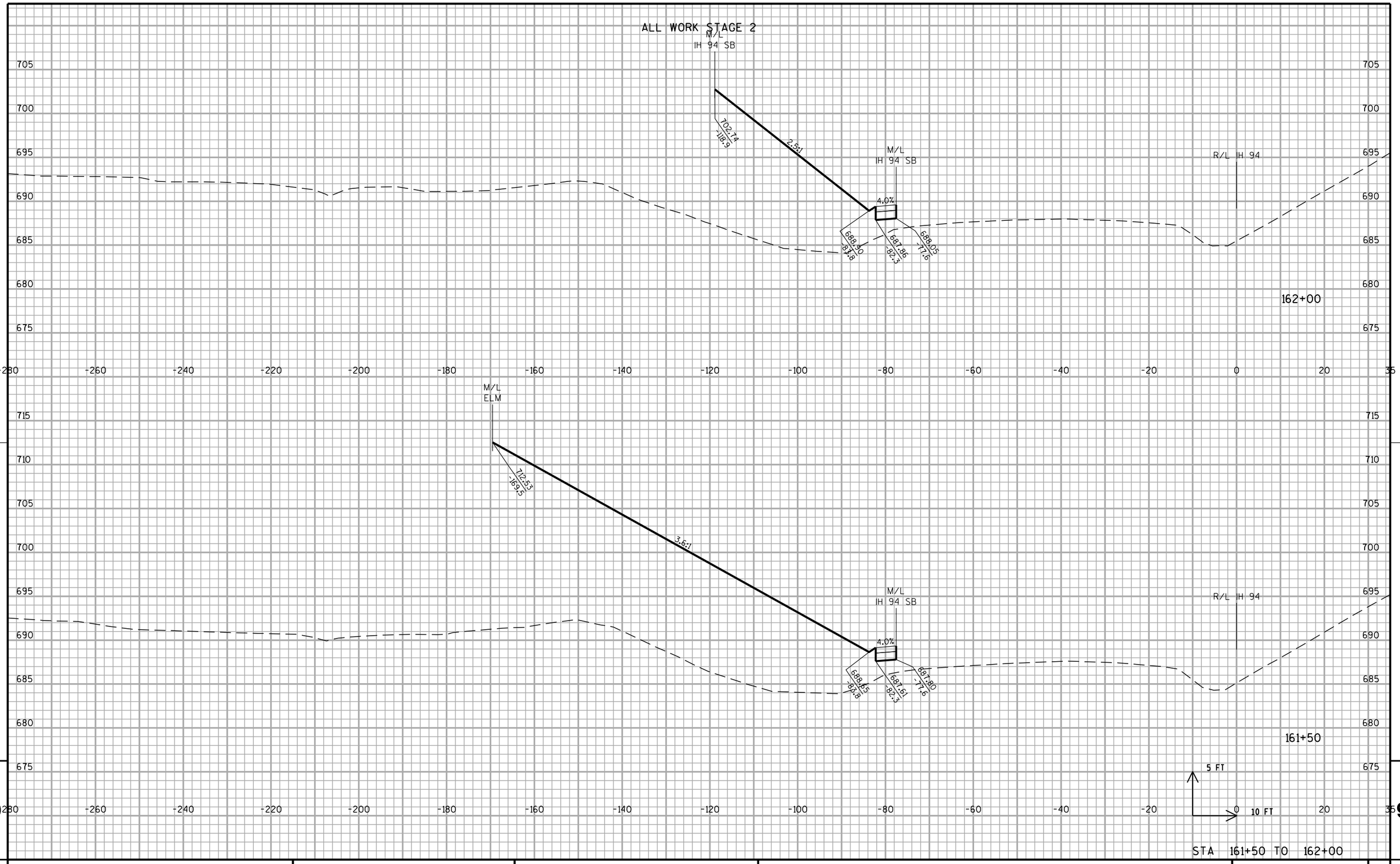
STA 160+50 TO 161+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

9 9

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090601_xs_temp(raised).dgn PLOT DATE : 11-JUL-2018 22:22 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp(raised).pl PLOT SCALE : 20:1

ALL WORK STAGE 2



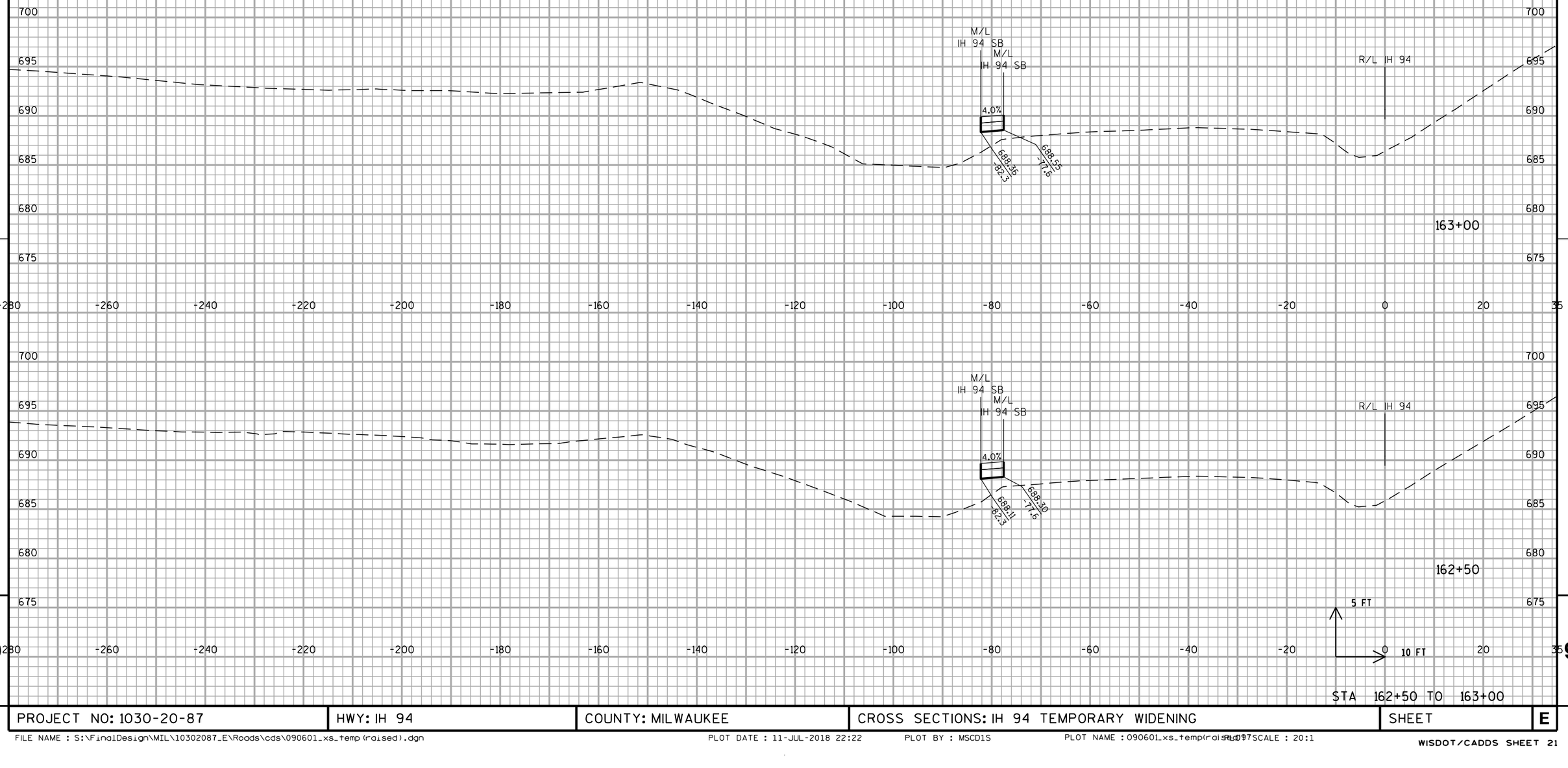
STA 161+50 TO 162+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090601_xs_temp(raised).dgn PLOT DATE : 11-JUL-2018 22:22 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp(raised).dgn PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 2



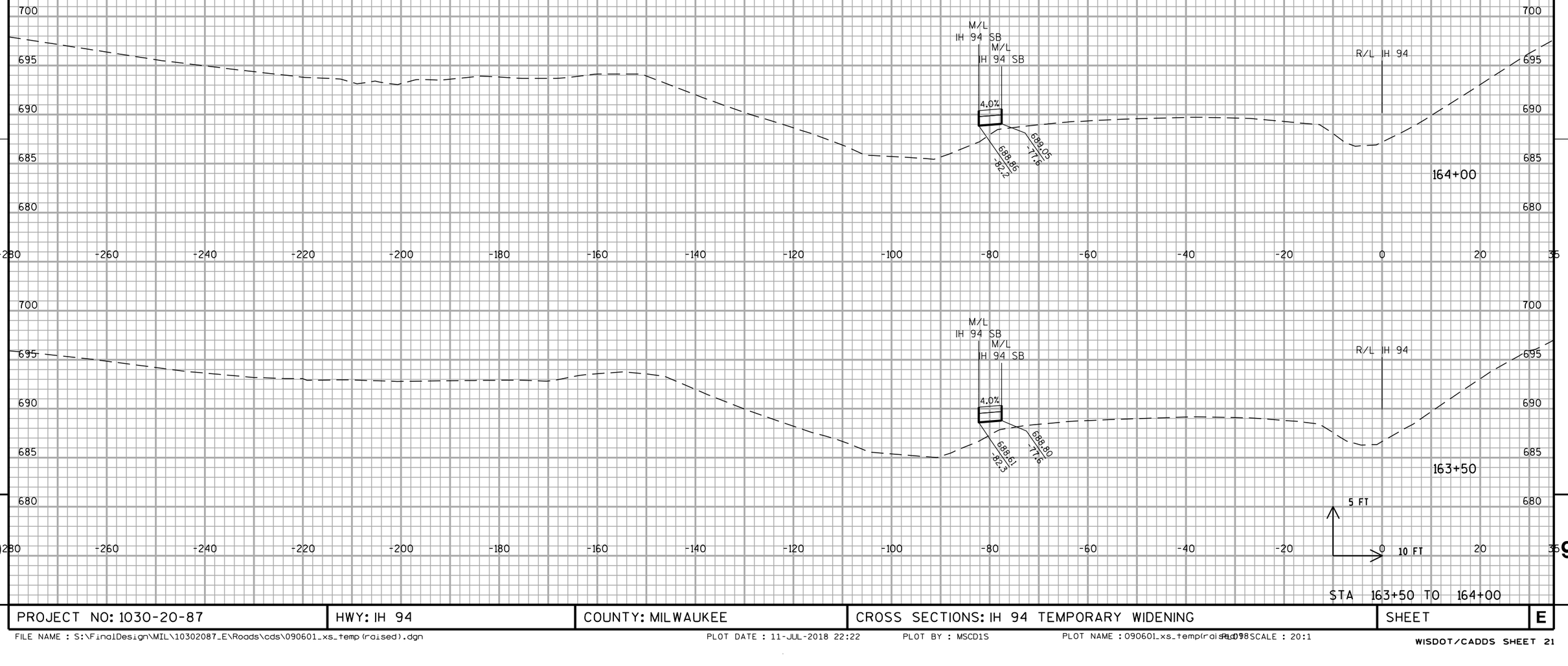
STA 162+50 TO 163+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090601_xs_temp(raised).dgn PLOT DATE : 11-JUL-2018 22:22 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp(raised).dgn PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

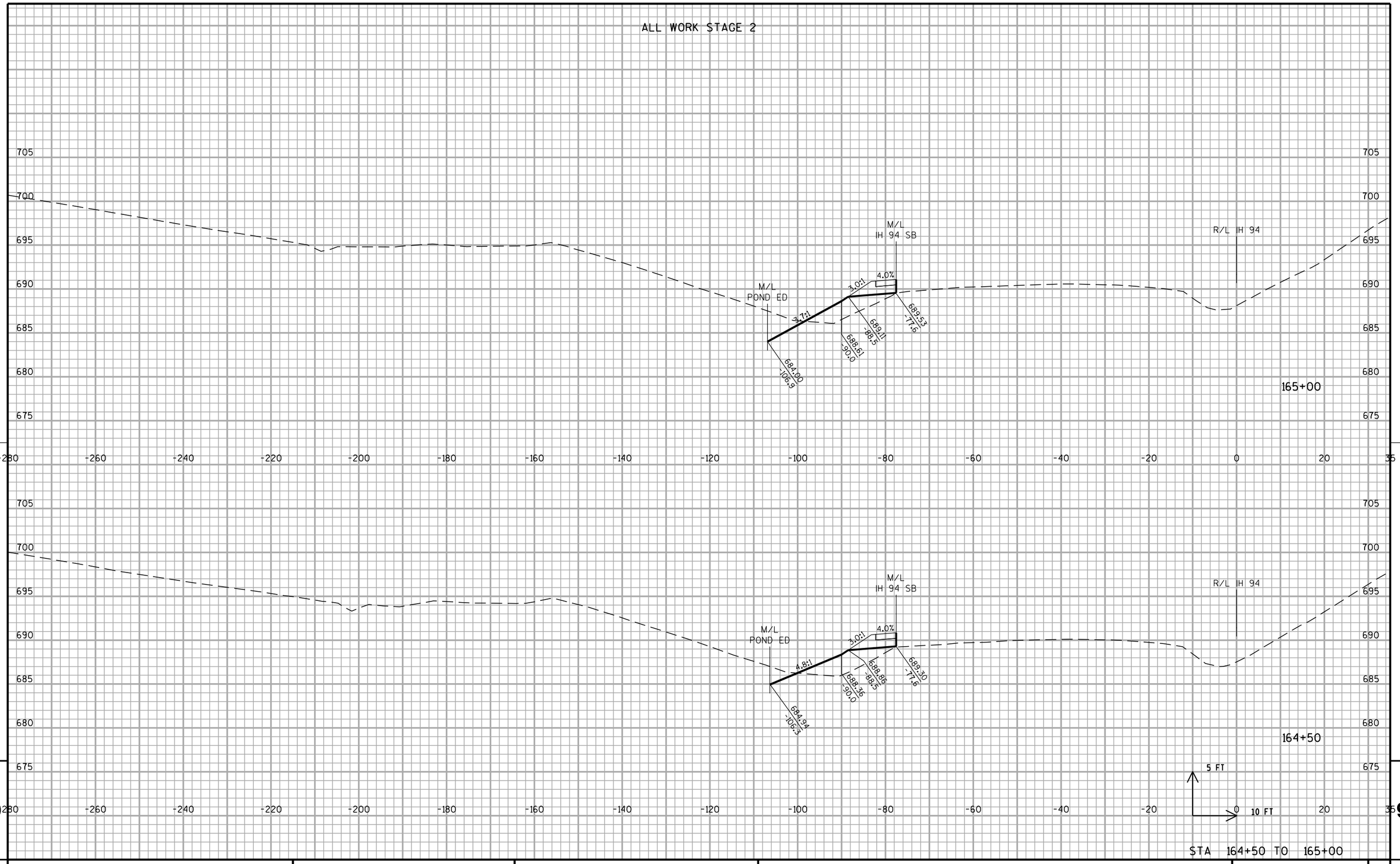
ALL WORK STAGE 2



STA 163+50 TO 164+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

ALL WORK STAGE 2

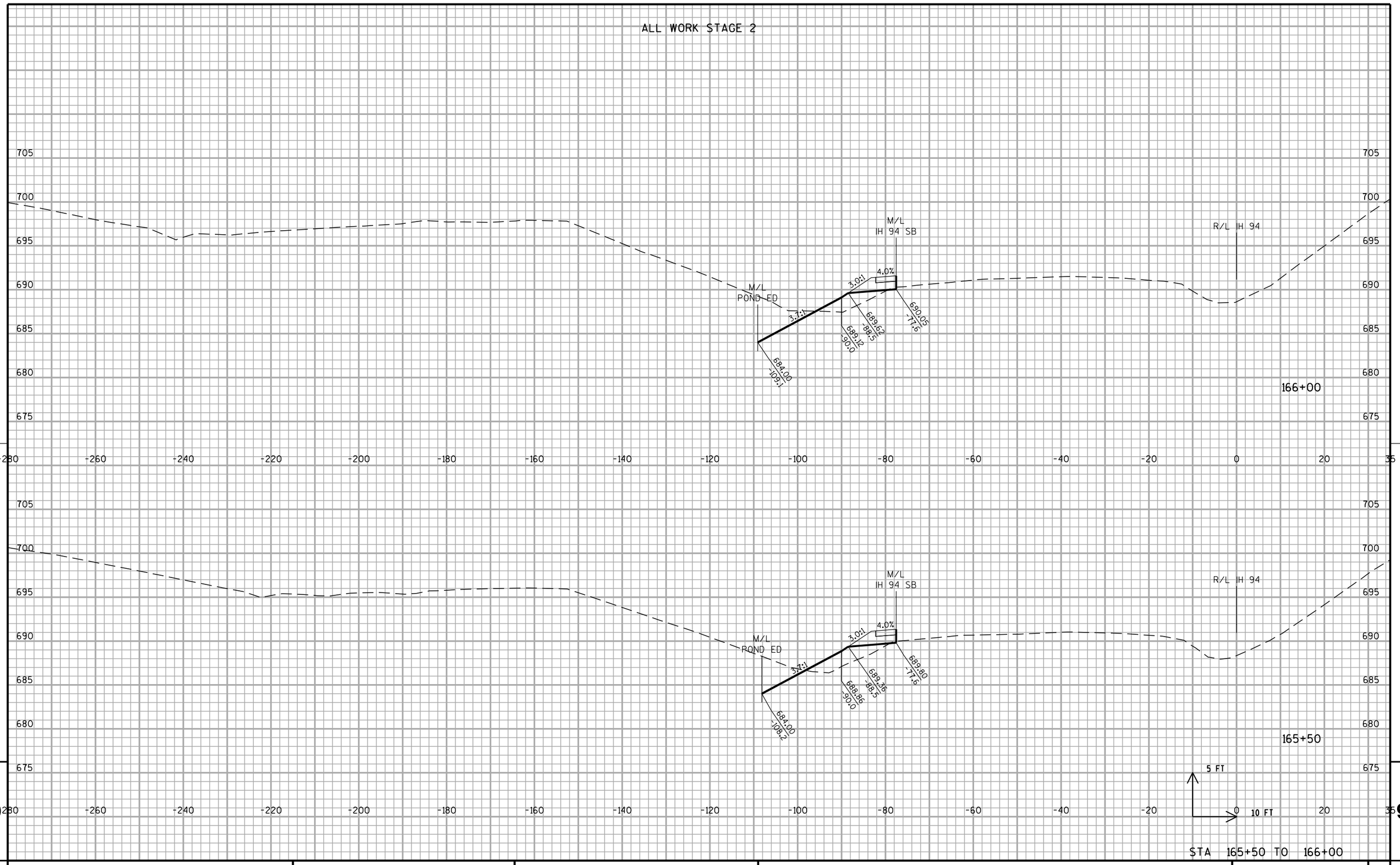


STA 164+50 TO 165+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090601_xs_temp(raised).dgn PLOT DATE : 11-JUL-2018 22:22 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp(raised).dgn SCALE : 20:1

ALL WORK STAGE 2



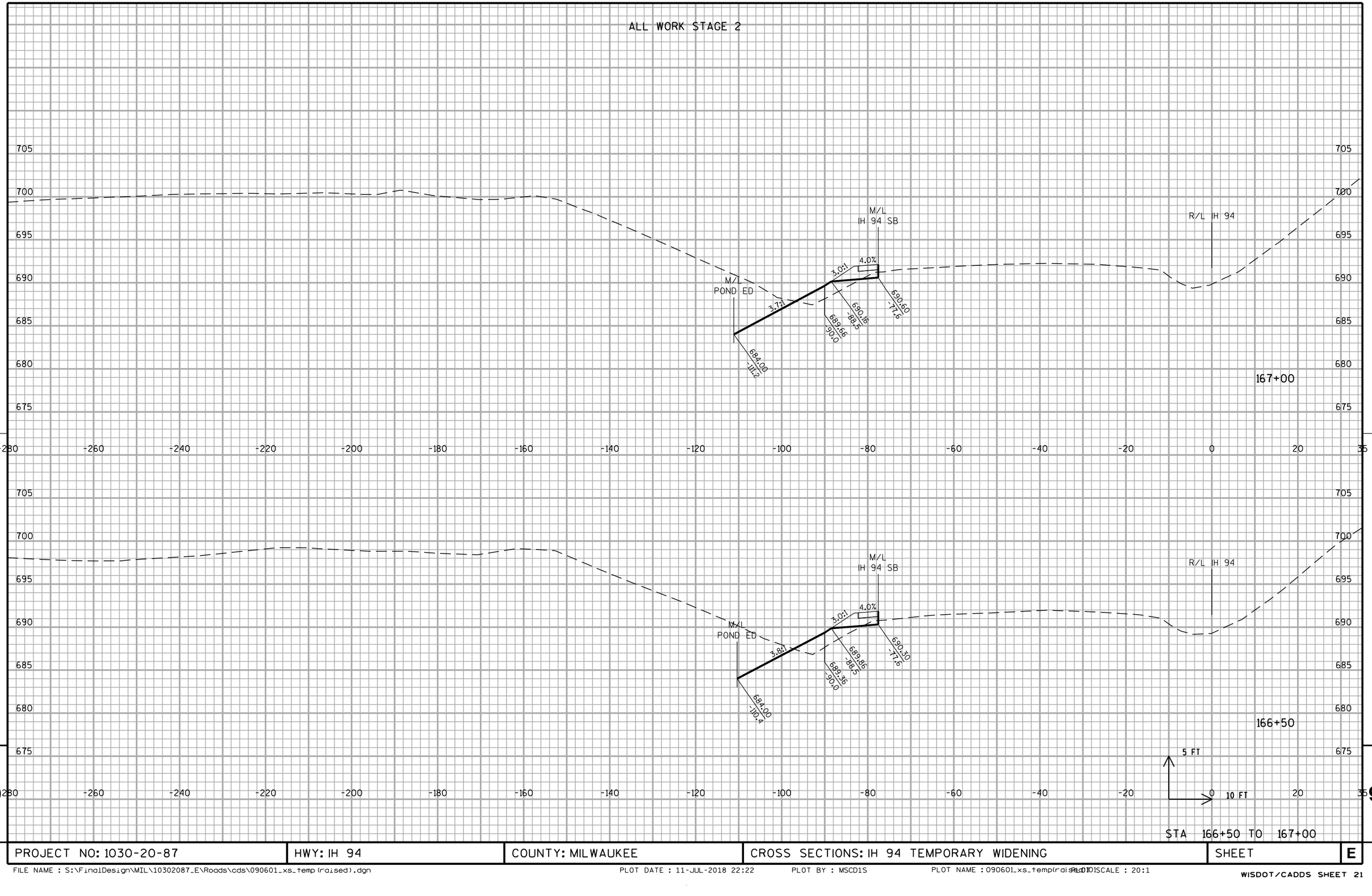
STA 165+50 TO 166+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090601_xs_temp(raised).dgn PLOT DATE : 11-JUL-2018 22:22 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp(raised).dgn PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 2



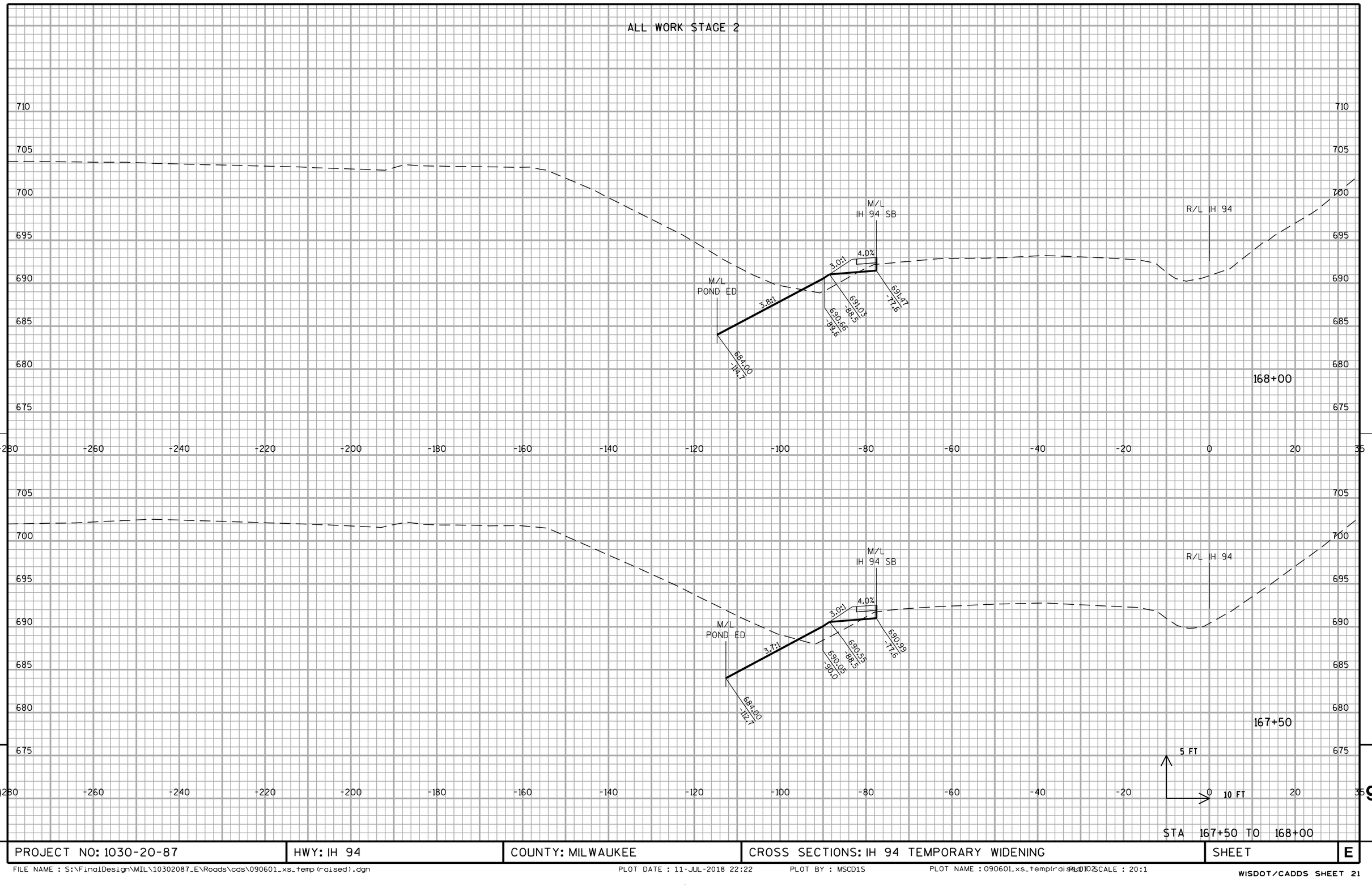
STA 166+50 TO 167+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090601_xs_temp(raised).dgn PLOT DATE : 11-JUL-2018 22:22 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp(raised).dgn PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 2



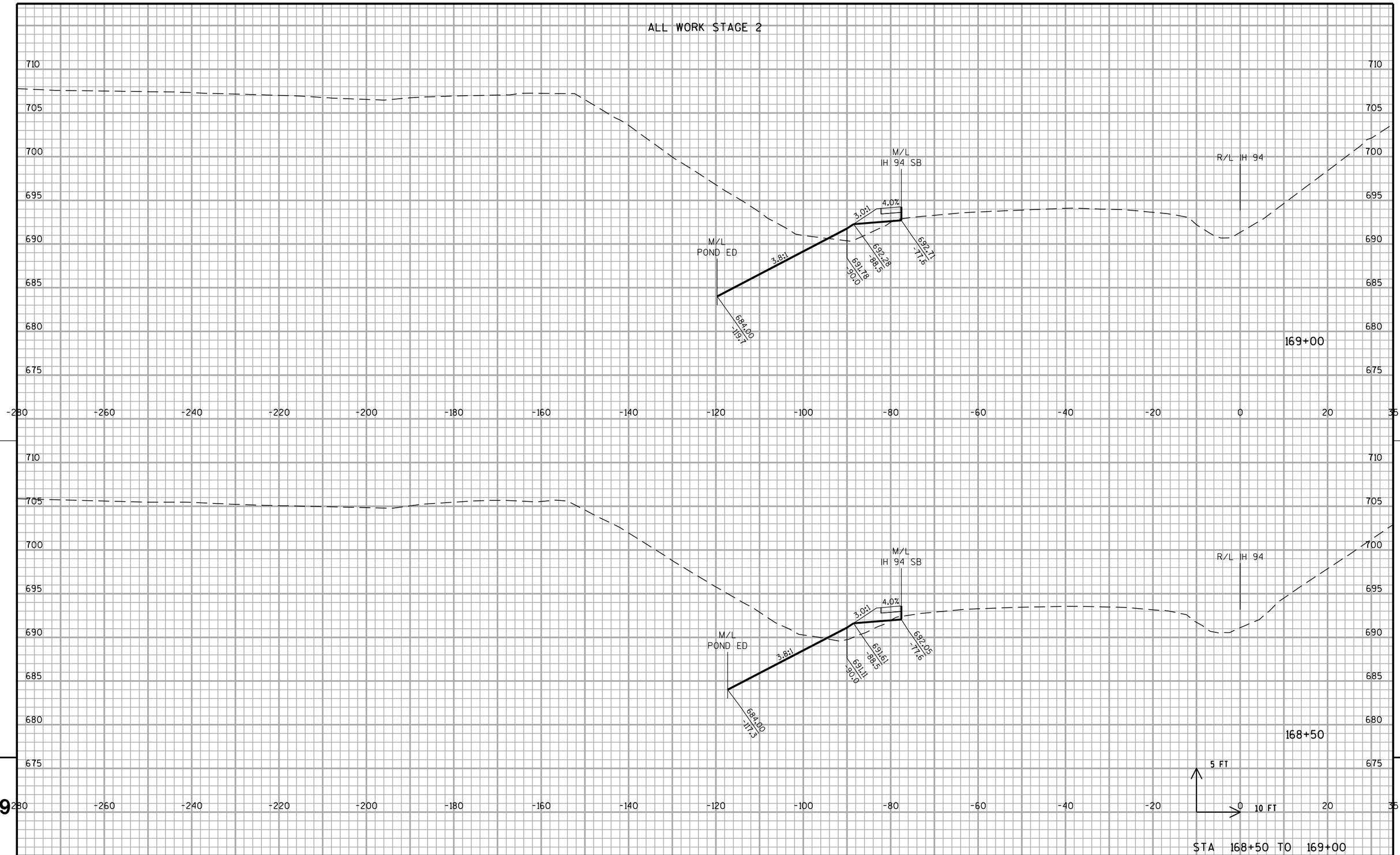
STA 167+50 TO 168+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090601_xs_temp(raised).dgn PLOT DATE : 11-JUL-2018 22:22 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp(raised).dgn PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 2



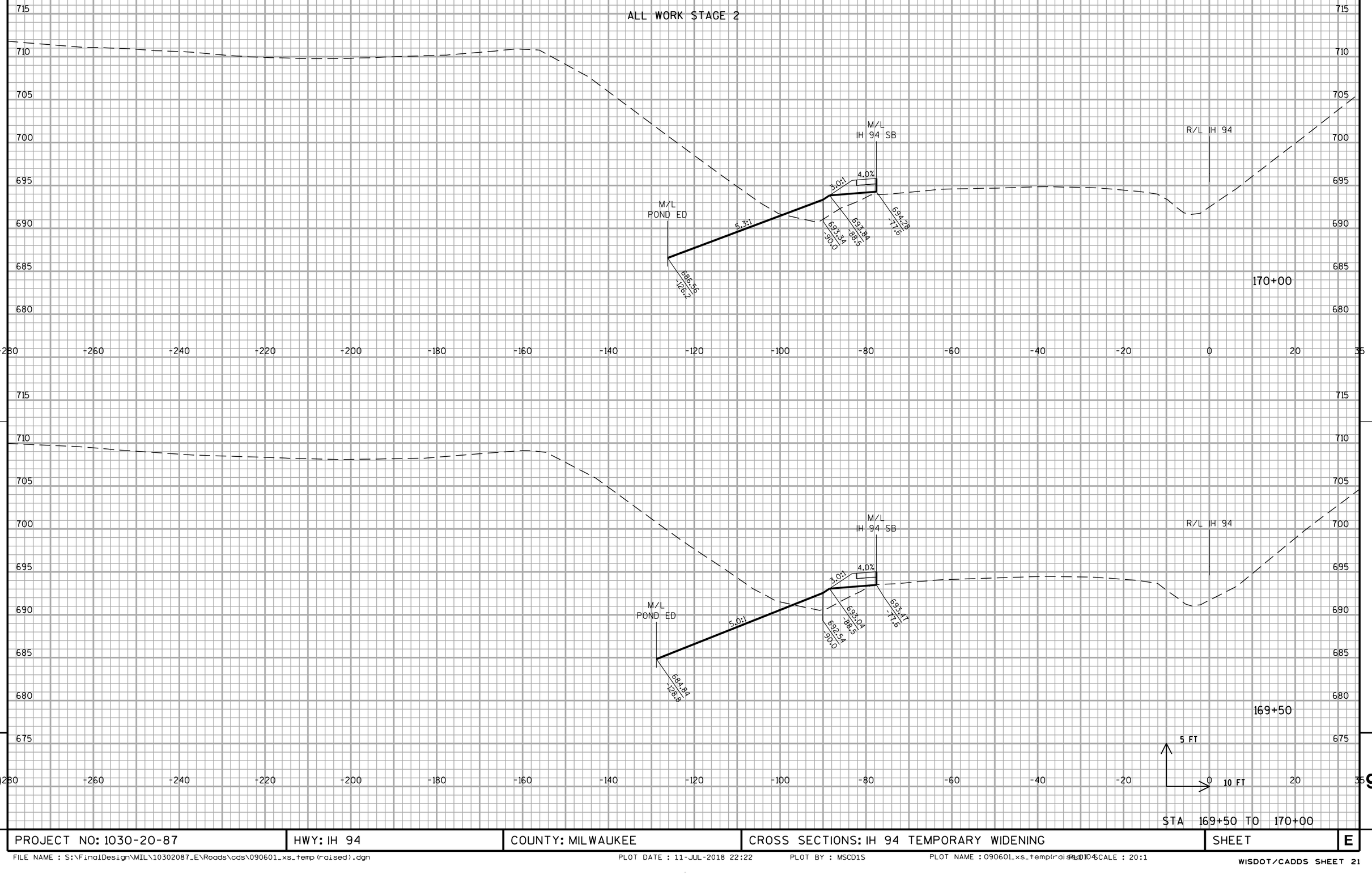
STA 168+50 TO 169+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090601_xs_temp(raised).dgn PLOT DATE : 11-JUL-2018 22:22 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp(raised).dgn PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

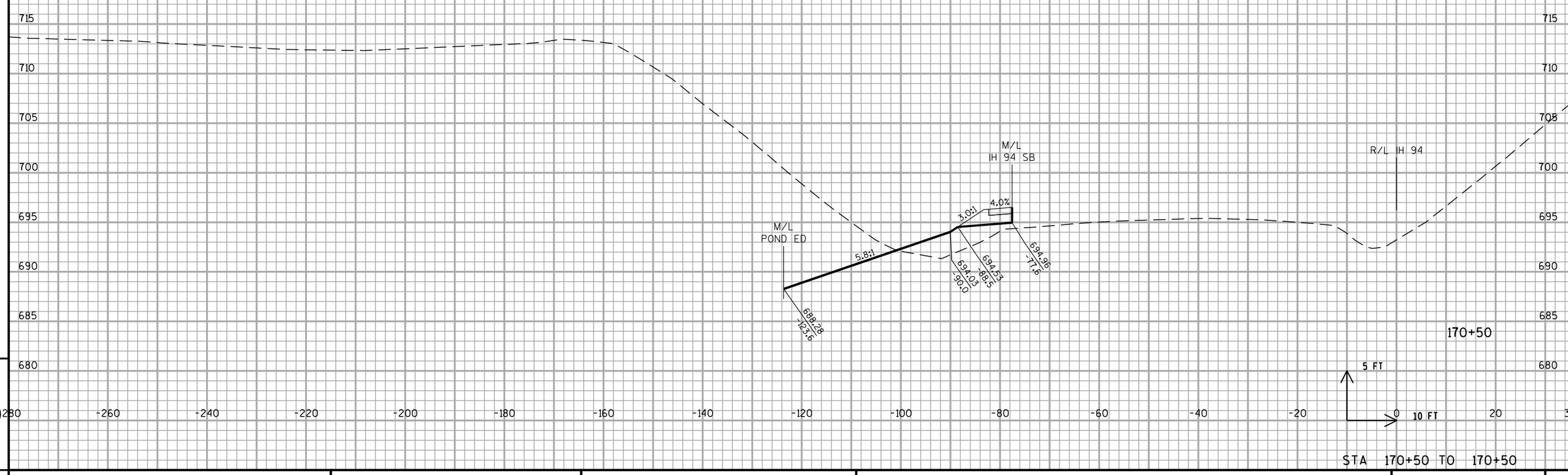
ALL WORK STAGE 2



PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090601_xs_temp(raised).dgn PLOT DATE : 11-JUL-2018 22:22 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp(raised).dgn PLOT SCALE : 20:1

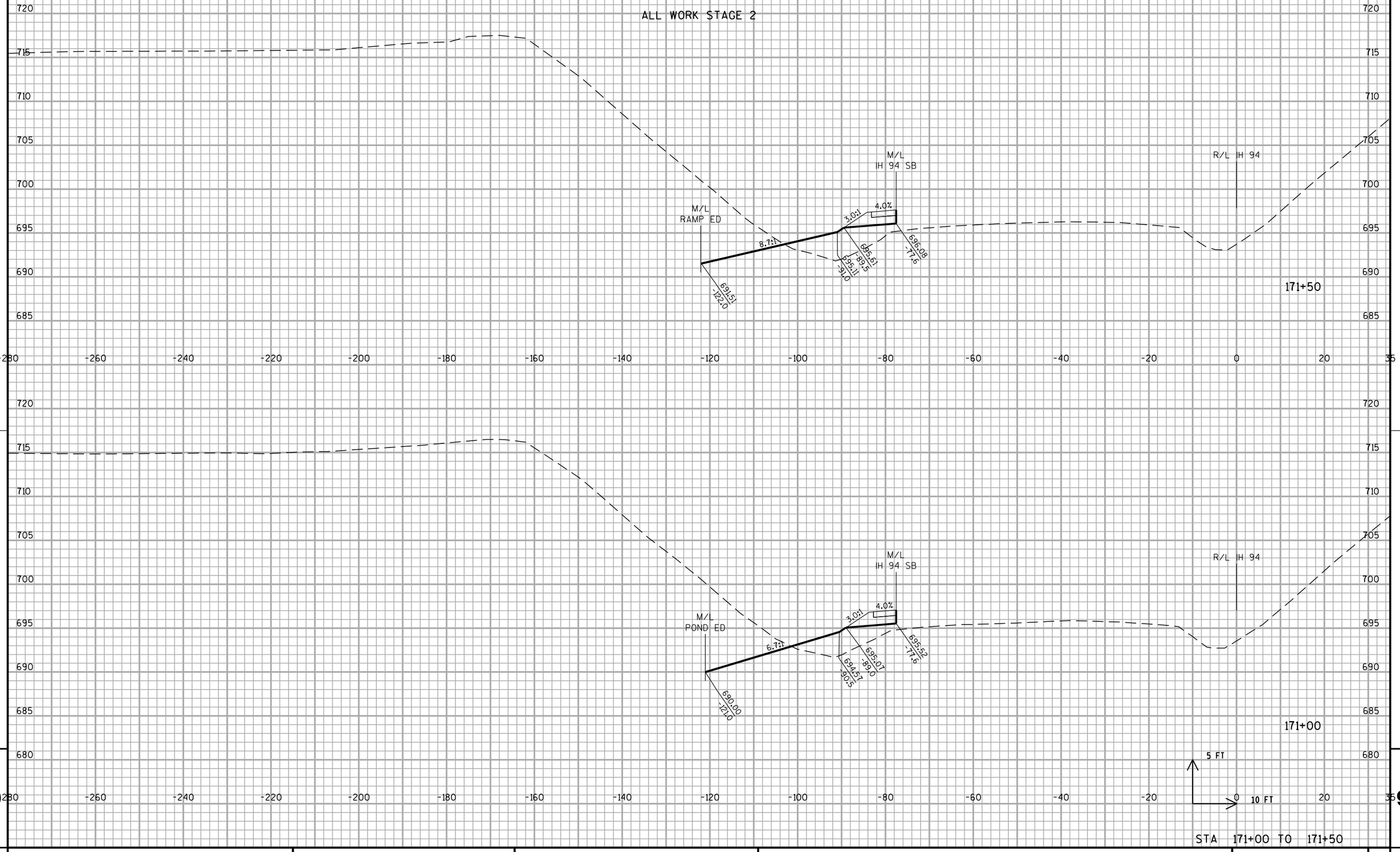
ALL WORK STAGE 2



STA 170+50 TO 170+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

ALL WORK STAGE 2



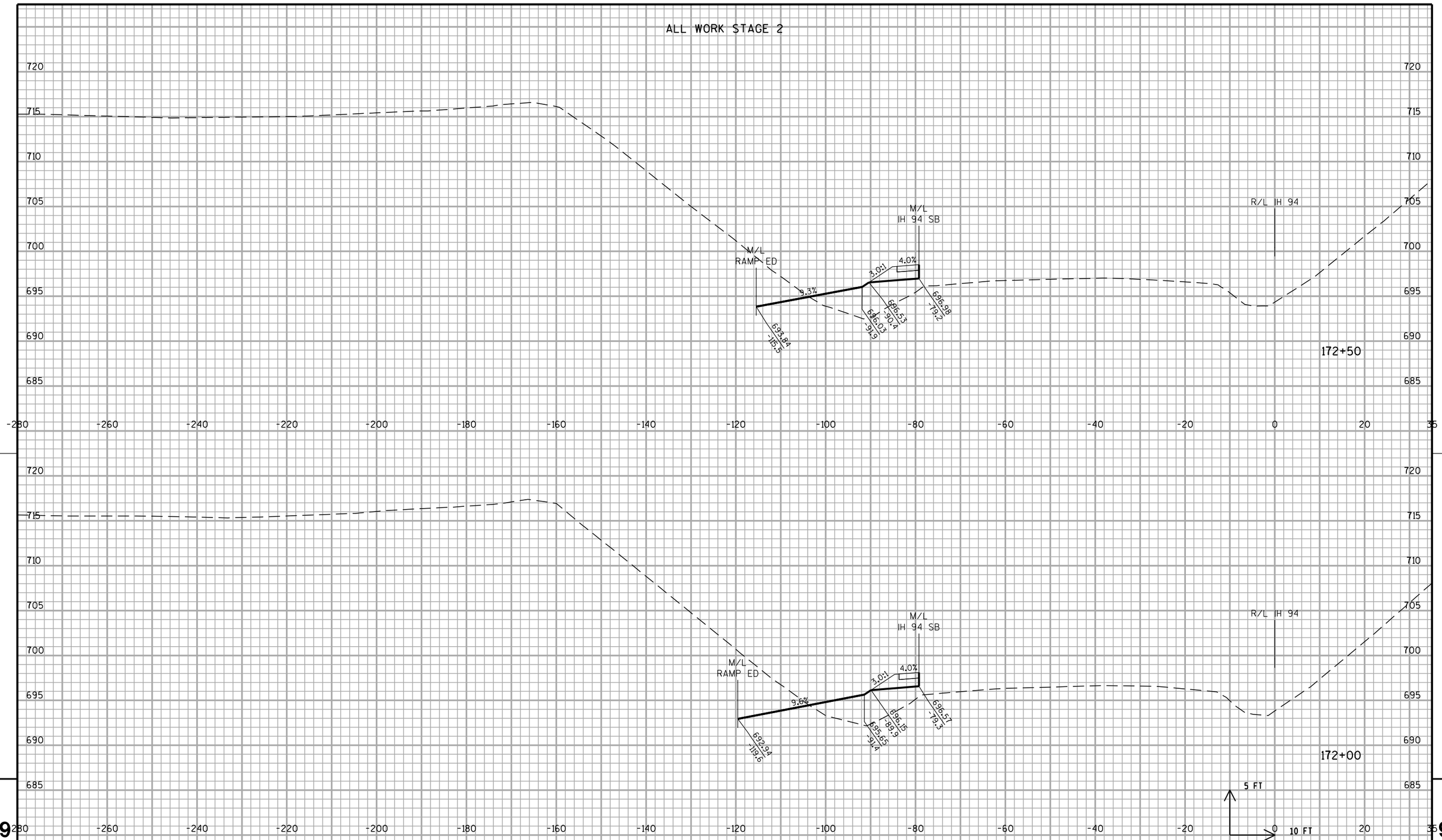
STA 171+00 TO 171+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090601_xs_temp(raised).dgn PLOT DATE : 11-JUL-2018 22:22 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp(raised).dgn PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 2



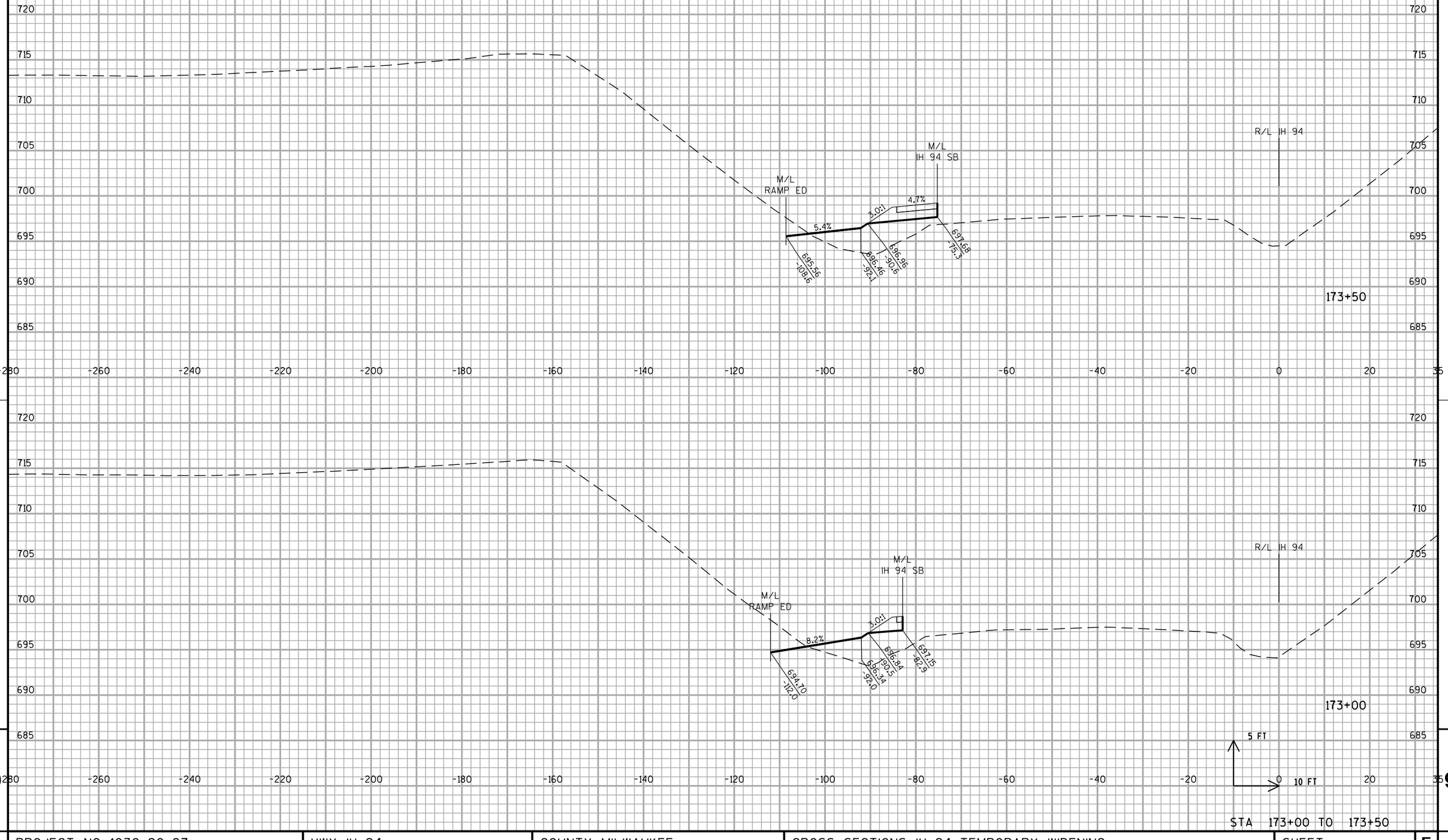
STA 172+00 TO 172+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090601_xs_temp(raised).dgn PLOT DATE : 11-JUL-2018 22:22 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp(raised).dgn PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 2

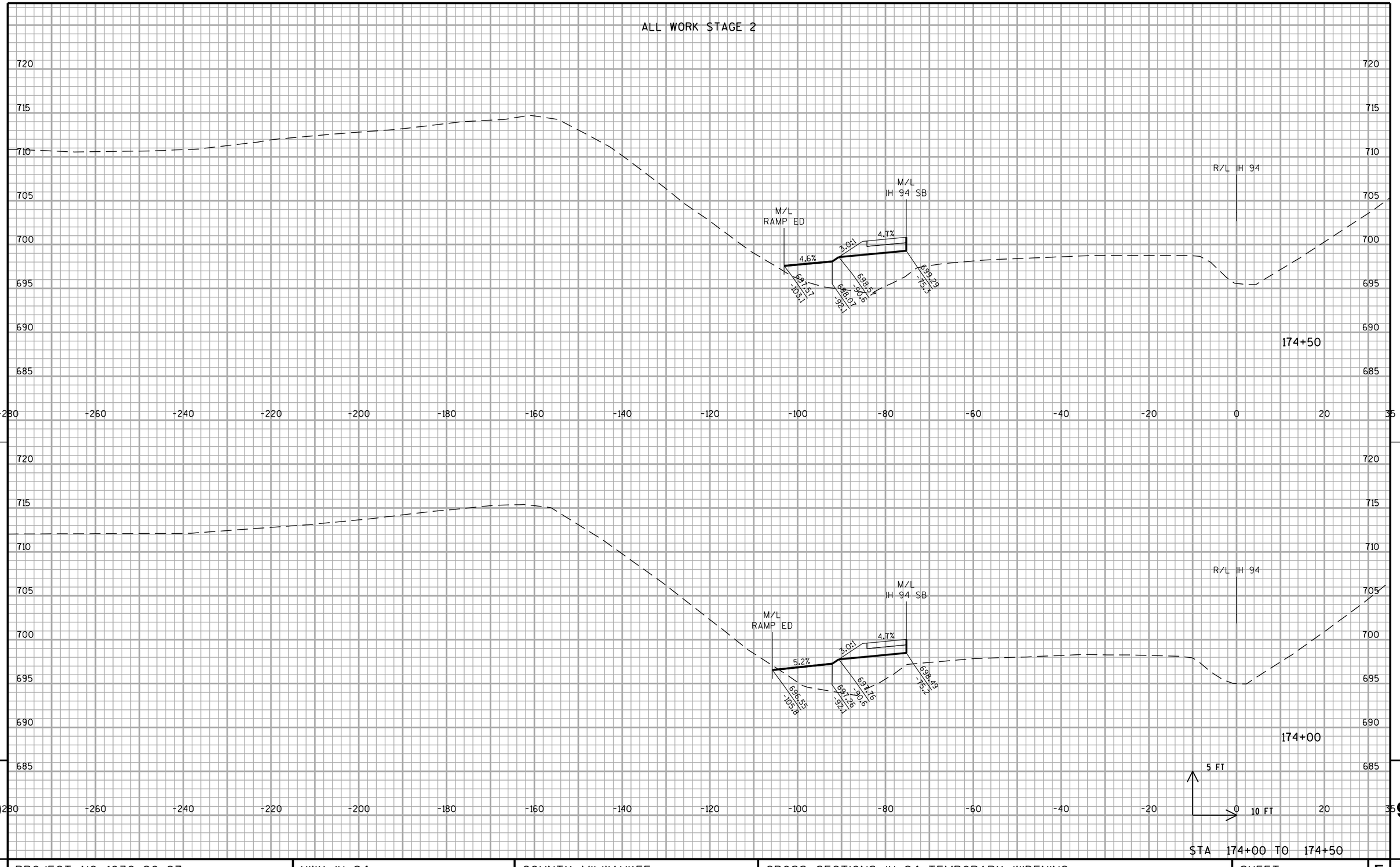


STA 173+00 TO 173+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090601_xs_temp(raised).dgn PLOT DATE : 11-JUL-2018 22:22 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp(raised).dgn PLOT SCALE : 20:1

ALL WORK STAGE 2



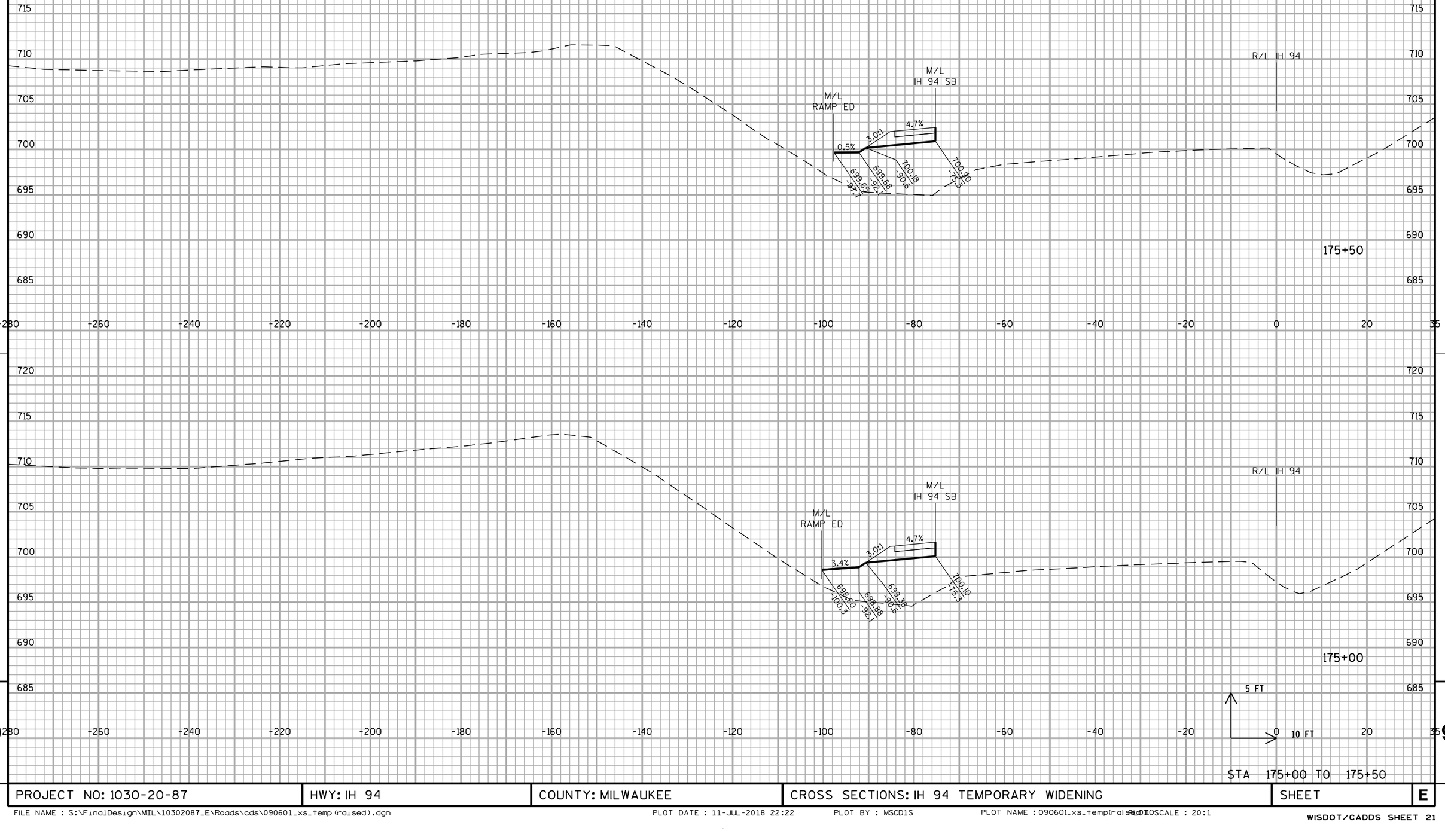
STA 174+00 TO 174+50

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090601_xs_temp(raised).dgn PLOT DATE : 11-JUL-2018 22:22 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp(raised).dgn PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 2



STA 175+00 TO 175+50

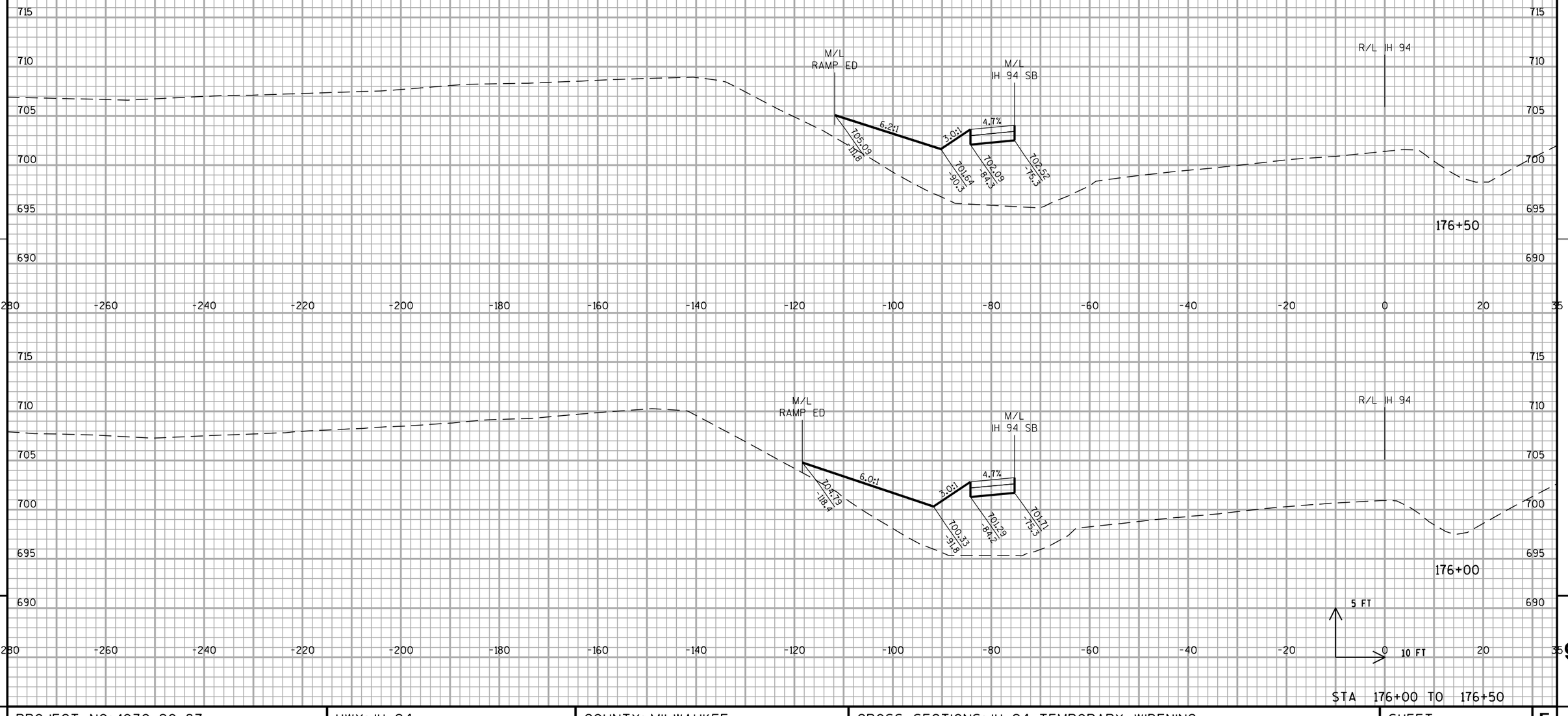
PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090601_xs_temp(raised).dgn PLOT DATE : 11-JUL-2018 22:22 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp(raised).dgn SCALE : 20:1

WISDOT/CADDS SHEET 21

9 9

ALL WORK STAGE 2



STA 176+00 TO 176+50

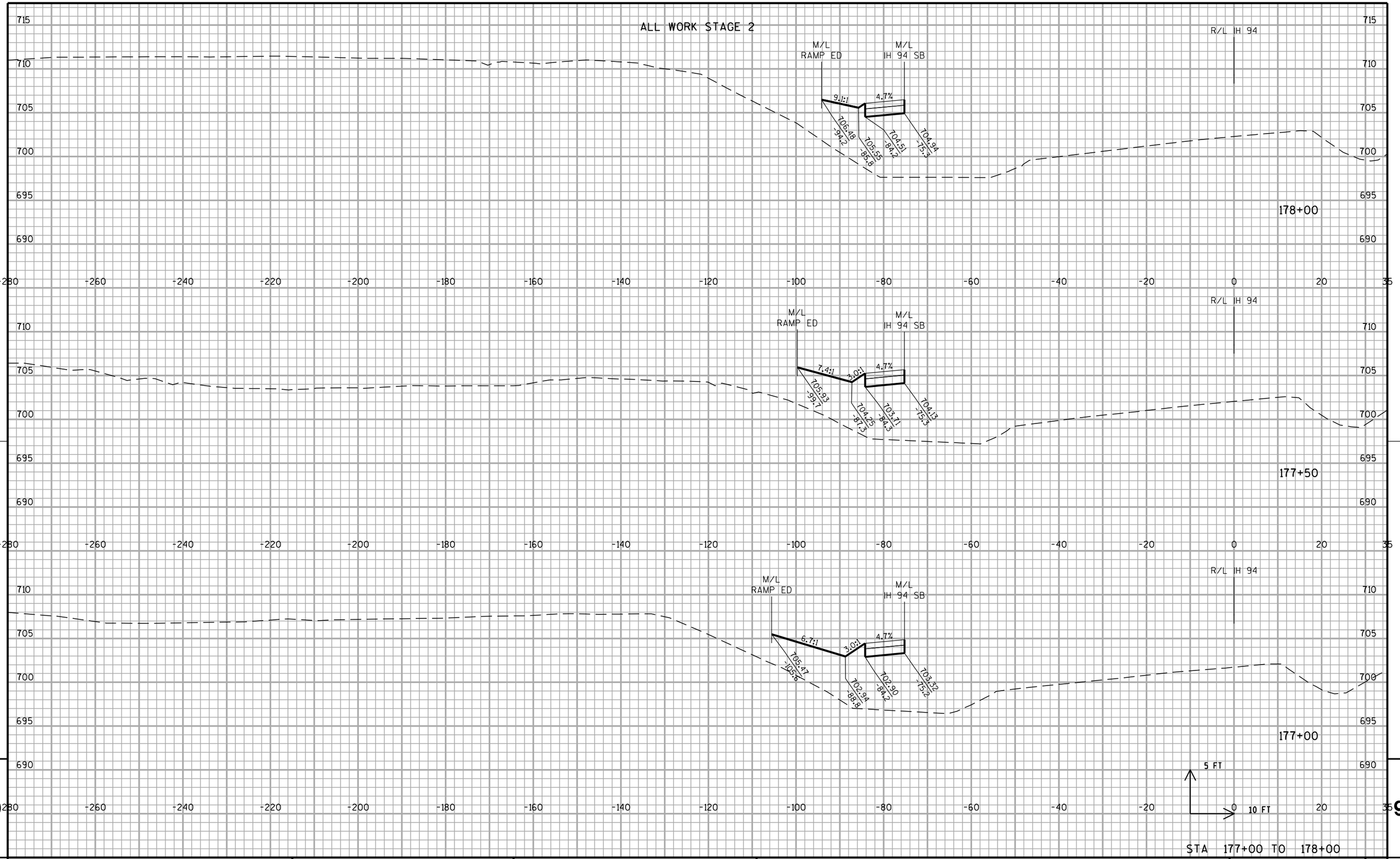
PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

9 9

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090601_xs_temp(raised).dgn PLOT DATE : 11-JUL-2018 22:22 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp(raised).dgn PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

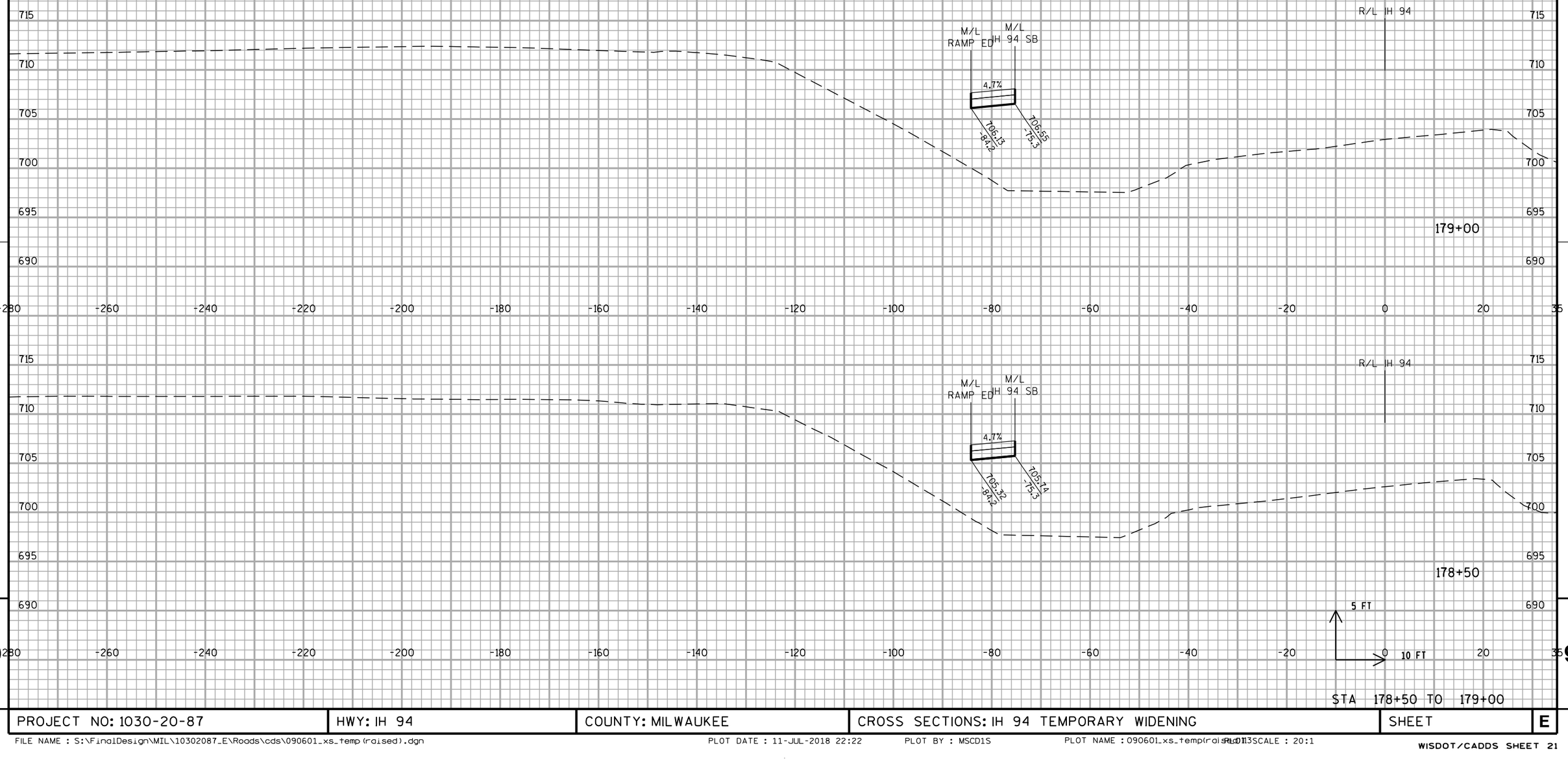
ALL WORK STAGE 2



STA 177+00 TO 178+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

ALL WORK STAGE 2



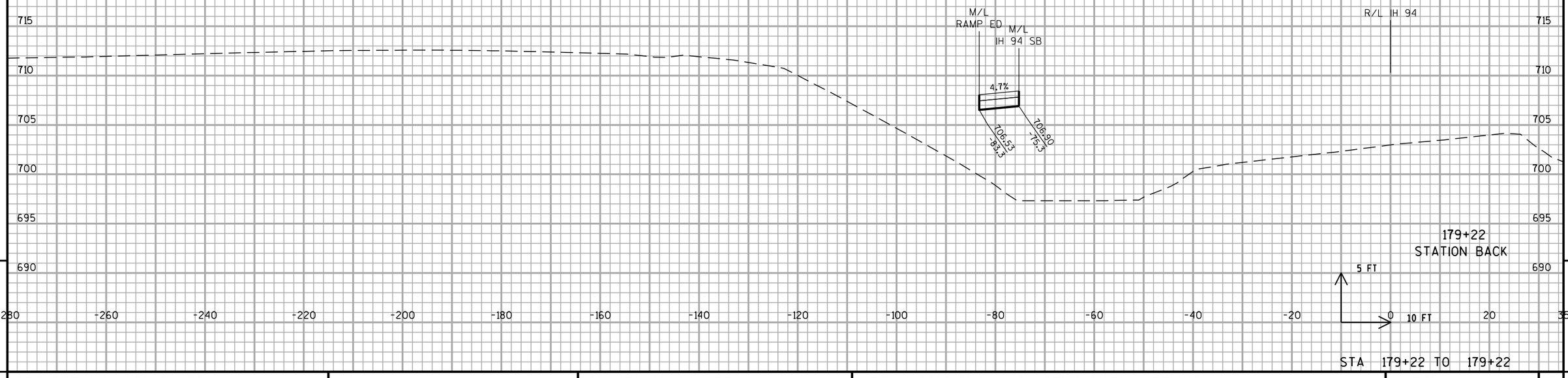
STA 178+50 TO 179+00

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090601_xs_temp(raised).dgn PLOT DATE : 11-JUL-2018 22:22 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp(raised).dgn PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 2



STA 179+22 TO 179+22

PROJECT NO: 1030-20-87	HWY: IH 94	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 TEMPORARY WIDENING	SHEET	E

FILE NAME : S:\FinalDesign\MIL\10302087_E\Roads\cds\090601_xs_temp(raised).dgn PLOT DATE : 11-JUL-2018 22:22 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp(raised).dgn PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21