NEL APR 2013

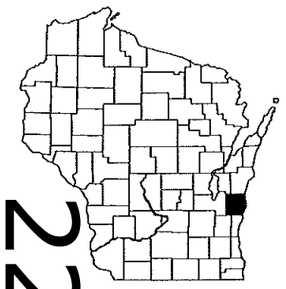
PROJECT ID: 4996-01-56

COUNTY: SHEBOYGAN

ORDER OF SHEETS

Section No.	1	Title
Section No.	2	Typical Sections and Details (includes erosion control)
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 = 338



22

N

DESIGN DESIGNATION

A.A.D.T. 2012	=	4,400
A.A.D.T. 2032	=	5,500
D.H.V.	=	870
D.D.	=	59/41
T. (DHV)	=	3.8%
DESIGN SPEED	=	30 MPH
ESALS	=	671,600

CONVENTIONAL SYMBOLS

COUNTY LINE
CORPORATE LIMITS
PROPERTY LINE
LOT LINE
LIMITED EASEMENT
EXISTING RIGHT OF WAY
NEW RIGHT OF WAY
REFERENCE LINE
SLOPE INTERCEPT
ORIGINAL GROUND
MARSH or ROCK PROFILE
CULVERT IN PLACE
CULVERT REQUIRED
CULVERTS REQUIRED (PROFILE)
COMBUSTIBLE FLUIDS
HIGH VOLTAGE TRANSMISSION LINE (69 KV AND HIGHER)

CAUTION

UNDERGROUND UTILITIES

GAS (SIZE) G
ELECTRIC E
TELEPHONE T
CABLE TV TV
WATER (SIZE) W
FIBER OPTIC FO
SANITARY SEWER (SIZE) SAN
OVERHEAD UTILITY OH
STORM SEWER (SIZE) SS
PIPELINE PIPL
POWER POLE
TELEPHONE POLE
POWER/TELEPHONE POLE
SERVICE PEDESTAL
WELL
SEPTIC TANK VENT
WOODED AREA
EXISTING SIGN
SATELLITE DISH
MAIL BOX

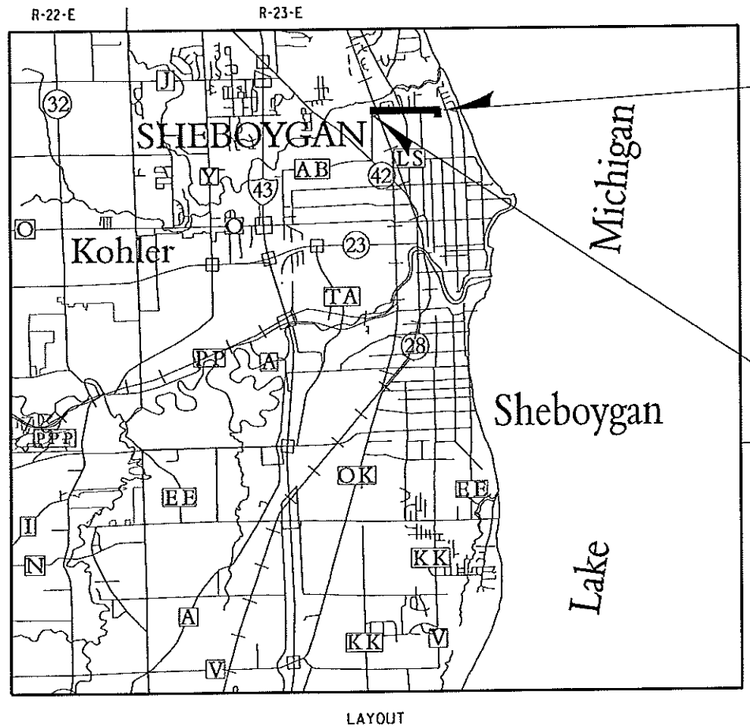
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

EISNER AVE PEDESTRIAN & BICYCLE FACIL
N 8TH STREET - N 21ST STREET
LOCAL STREET
SHEBOYGAN COUNTY

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
4996-01-56	WISC 2013222	1

STATE PROJECT NUMBER
4996-01-56



END PROJECT STA. 70+58.62

BEGIN PROJECT STA. 10+98.07
Y= 188,254.89
X= 213,300.71

LAYOUT
SCALE 0 1 MI.

TOTAL NET LENGTH OF CENTERLINE = 1.129 MI.

ELEVATIONS ON THIS PLAN ARE REFERENCED TO CITY OF SHEBOYGAN DATUM. (NGVD 29 - 581.00 = CITY DATUM)

COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), SHEBOYGAN COUNTY.

ORIGINAL PLANS PREPARED BY

AECOM

WISCONSIN
JOSEPH C. HOLZWART
E-41064
SHEBOYGAN
WI
PROFESSIONAL ENGINEER

10-15-2012 (Date) Joseph C. Holzwart (Signature)

APPROVED FOR THE CITY OF SHEBOYGAN BY:

DATE: 10/16/12 Ryan J. Sayan (Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY
Surveyor AECOM
Designer AECOM
Management Consultant SEH
C.O. Examiner

APPROVED FOR THE DEPARTMENT
DATE: 10/17/2012 (Signature)

E

2

GENERAL NOTES

THE LOCATIONS OF UTILITY INSTALLATIONS, AS SHOWN ON THE PLAN ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY DIGGERS HOTLINE AND THOSE UTILITIES NOT PART OF DIGGERS HOTLINE.

NO TREES OR SHRUBS ARE TO BE REMOVED UNLESS EACH TREE OR SHRUB HAVE FIRST BEEN INDICATED FOR REMOVAL BY THE ENGINEER.

ALL HOLES OR OPENINGS BELOW SUBGRADE RESULTING FROM THE ABANDONMENT OR REMOVAL OF EXISTING STRUCTURES SHALL BE BACKFILLED WITH GRANULAR BACKFILL. PAYMENT FOR THE GRANULAR BACKFILL SHALL BE INCLUDED IN THE COST FOR REMOVAL OF THE STRUCTURES.

FILL AS SHOWN ON THE PLAN PERTAINS TO EMBANKMENTS CONSTRUCTED FROM COMMON EXCAVATION. THE ALLOWANCE USED FOR EXPANDING THE FILLS TO COMPUTE THE VOLUME OF MATERIAL REQUIRED IS 30 PERCENT. ALL FILL VOLUMES SHOWN ARE ACTUAL IN PLACE VOLUMES (EXPANDED).

ALL DISTURBED AREAS NOT OTHERWISE SURFACED SHALL BE TOPSOILED, SEEDED, FERTILIZED AND COVERED WITH EROSION MAT.

THE EROSION CONTROL ITEMS SHOWN ON THE PLANS ARE AT SUGGESTED LOCATIONS. THE ENGINEER MAY MODIFY LOCATIONS AS NEEDED. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL SUCH TIME AS THE ENGINEER DETERMINES THE MEASURE IS NO LONGER NECESSARY.

TOPSOIL SHALL BE PLACED TO AN APPROXIMATE DEPTH OF 4 INCHES OR AS DETERMINED BY THE ENGINEER.

EXCAVATION BELOW SUBGRADE (EBS) IS NOT SHOWN ON THE CROSS SECTIONS. IF EBS IS REQUIRED, IT SHALL BE PAID FOR AS "COMMON EXCAVATION". LOCATIONS FOR EBS WILL BE DETERMINED BY THE ENGINEER.

ALL DIMENSIONS SHOWN ARE TO FACE OF CURB.

USE END SECTION CURB AND GUTTER AT ALL LOCATIONS WHERE CURB AND GUTTER DOES NOT END AT EXISTING CURB AND GUTTER.

EXISTING SIGN REMOVAL WILL BE DONE BY THE CITY OF SHEBOYGAN.

AT LOCATIONS SHOWN ON STORM SEWER PLAN WITH ARROWS, GRADE THE EXISITNG SIDEROAD DITCH TO DRAIN TO THE GUTTER ON EISNER AVENUE.

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	.08 .22	.16 .30	.22 .38	.12 .26	.20 .34	.27 .44	.15 .30	.24 .37	.33 .50	.19 .34	.28 .41	.38 .56
MEDIAN STRIP-TURF	.19 .24	.20 .26	.24 .30	.19 .25	.22 .28	.26 .33	.20 .26	.23 .30	.30 .37	.20 .27	.25 .32	.30 .40
SIDE SLOPE-TURF			.25 .32			.27 .34			.28 .36			.30 .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 = 10 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 5.3 ACRES

UTILITY CONTACTS

AMERICAN TRANSMISSION CO. LLC
MIKE OLSEN
801 O'KEEFE ROAD
PO BOX 6113
DE PERE, WI 54115-6113
920-338-6582
CELL 920-660-2390
EMAIL: MOLSEN@ATCLLC.COM

CHARTER COMMUNICATIONS
TOM HARYCKI, PROJECT COORDINATOR
2312 CONTINENTAL DRIVE
WEST BEND, WI 53095
262-306-8756 EXT. 20702
EMAIL: TOM.HARYCKI@CHARTERCOM.COM

WISCONSIN PUBLIC SERVICE
MIKE LOWTHER
933 SOUTH WILDWOOD AVENUE
SHEBOYGAN, WI 53081
920-451-3743

AT&T WISCONSIN
ANNALISA SUPRENAND
70 EAST DIVISION STREET
FOND DU LAC, WI 54935
920-929-8459; FAX 920-929-1064

WISCONSIN POWER & LIGHT CO. (ALLIANT ENERGY)
JERRY BECKUM
883 W. SCOTT ST.
FOND DU LAC, WI 54937-2078
920-322-6787; CELL 920-948-1753
EMAIL JJERRYBEKKUM@ALLIANTENERGY.COM

DAVE BIEBEL
CITY OF SHEBOYGAN
2026 NEW JERSEY AVENUE
SHEBOYGAN, WI 53081
920-459-3360; FAX 920-459-3443

RYAN SAZAMA
CITY OF SHEBOYGAN
2026 NEW JERSEY AVENUE
SHEBOYGAN, WI 53081
920-459-3394; FAX 920-459-0227

RICH DALE
SHEBOYGAN WATER UTILITY
72 PARK AVENUE
SHEBOYGAN, WI 53081
920-459-3800; FAX 920-459-4325

JEFFERY G. WISWELL
MCLEOD USA OF WISCONSIN
1858 WRIGHT STREET
MADISON, WI 53704
608-819-5007

BILL BLASHKA
TOWN OF SHEBOYGAN, S.D.#2, AND S.D.#3
1512 NORTH 40TH STREET
SHEBOYGAN, WI 53081

PETER MADDEN
PLASTICS ENGINEERING COMPANY
3518 LAKESHORE ROAD
SHEBOYGAN, WI 53083
920-458-2121; FAX 920-451-3804

JOHN VENICE
UNION PACIFIC RAILROAD CO.
101 N. WACKER DRIVE, SUITE 1920
CHICAGO, IL 60606
312-777-2043

DNR CONTACT

WISCONSIN DEPARTMENT OF NATURAL RESOURCES
JULIE WIDHOLM, ENVIRONMENTAL ANALYSIS & LIAISON SECTION
DNR SERVICE CENTER
141 N.W. BARSTOW STREET ROOM 180
WAUKESHA, WI 53188
262-574-2112
EMAIL: JULIE.WIDHOLM@WISCONSIN.GOV

SHEBOYGAN COUNTY SURVEYOR
EDGAR HARVEY
1211 NORTH 23RD STREET
SHEBOYGAN, WI 53081
920-459-3826
EMAIL: HARVEELH@CO.SHEBOYGAN.WI.US

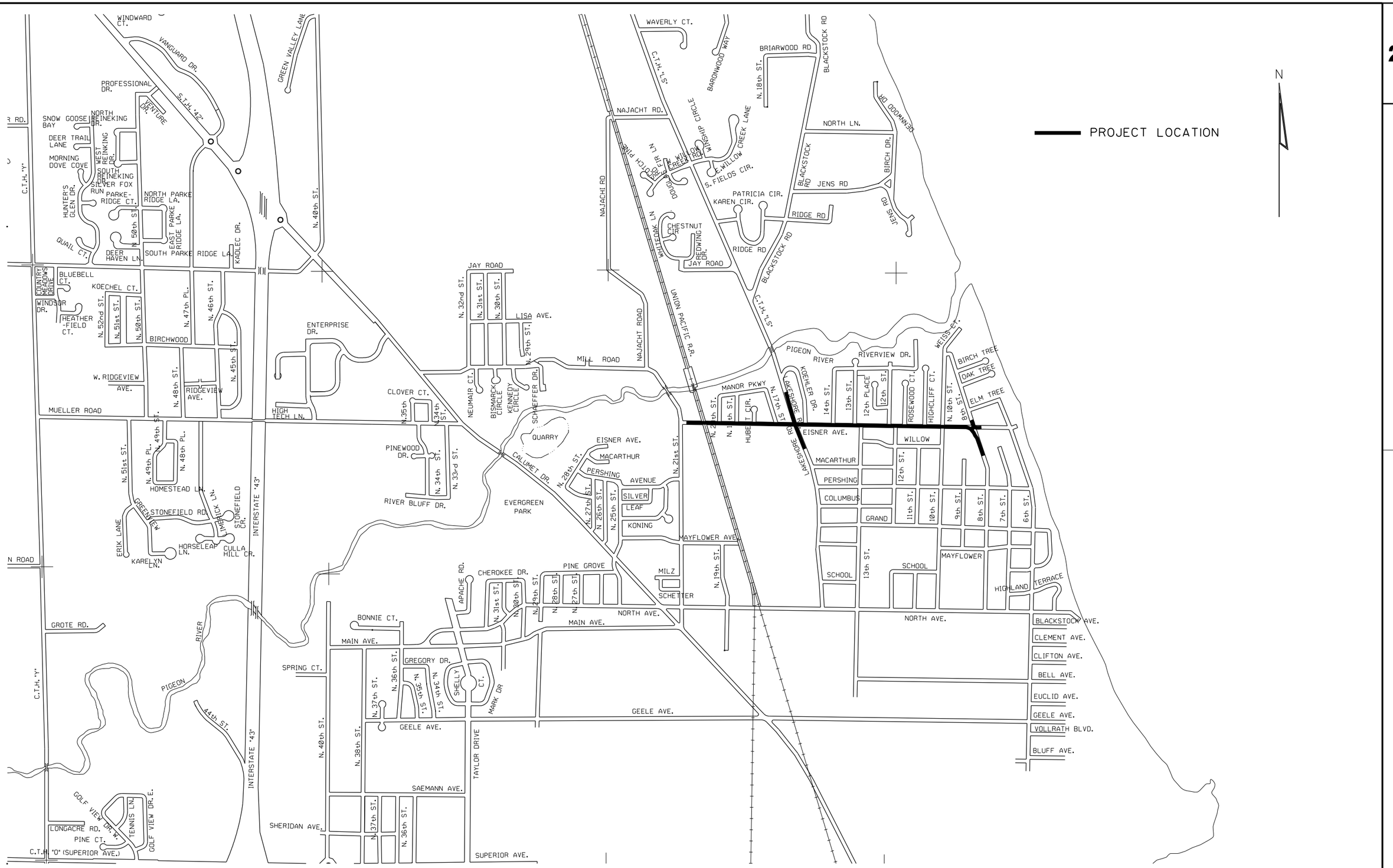
DIGGERS HOTLINE

Call 811 3 Work Days Before You Dig
or Toll Free (800) 242-8511
Milwaukee Area (414) 259-1181
Hearing Impaired TDD (800) 542-2289
www.DiggersHotline.com

TYPICAL SECTION AND DETAIL SHEET INDEX

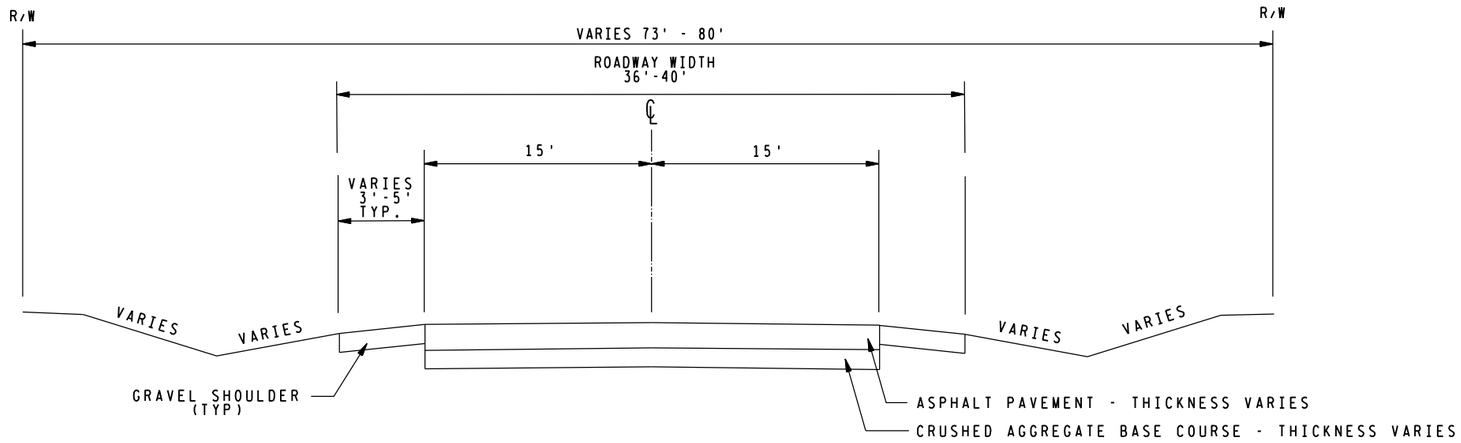
GENERAL NOTES
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
PAVING DETAILS
STORM SEWER & EROSION CONTROL
PERMANENT SIGNING & MARKING
LIGHTING PLAN
TRAFFIC CONTROL
DETOUR PLAN
ALIGNMENT DIAGRAM

2

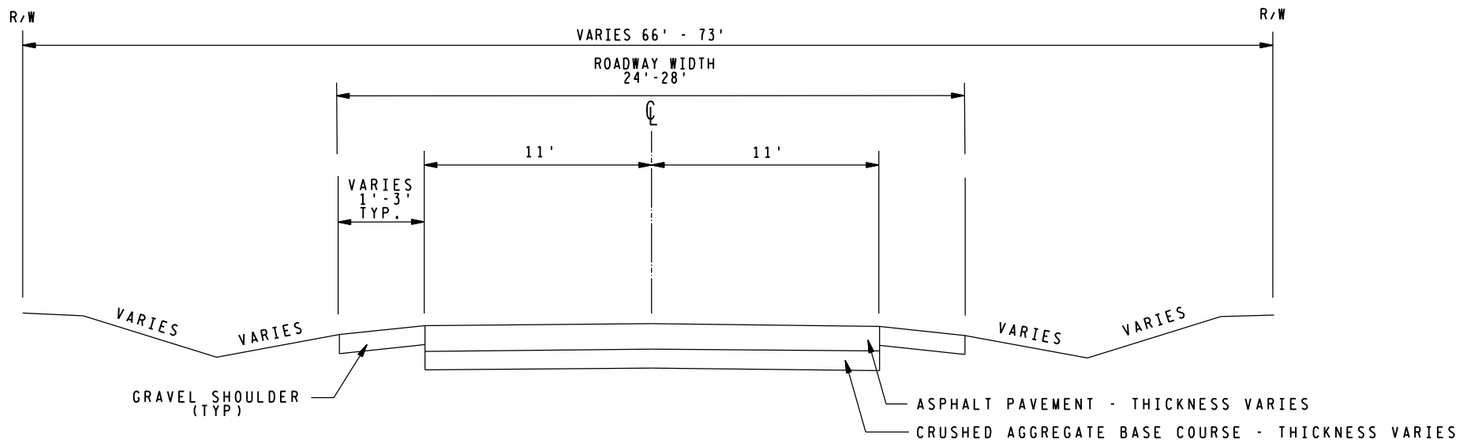


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WISDOT/CADDS SHEET 42



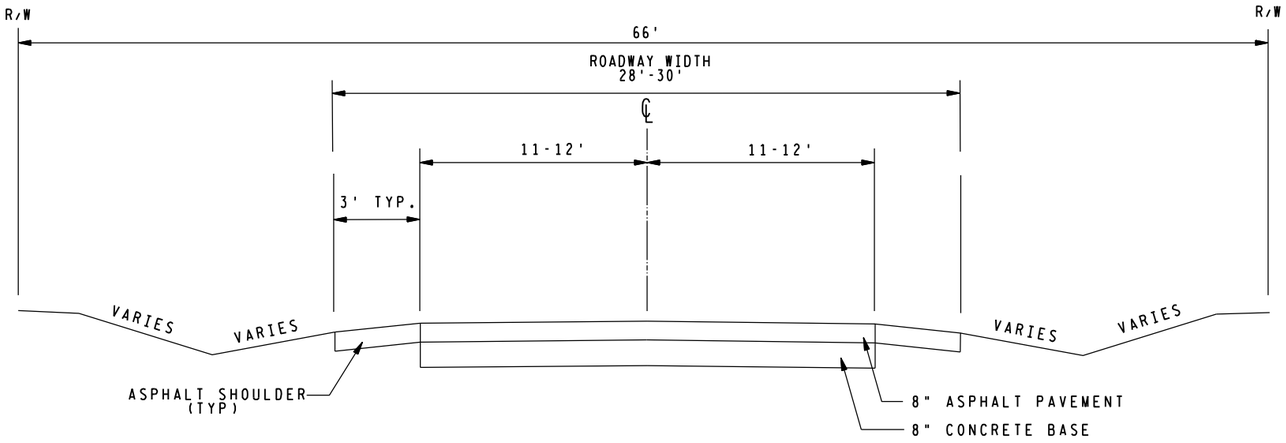
EXISTING TYPICAL SECTION
EISNER AVENUE
10+98.07 - 31+11.01



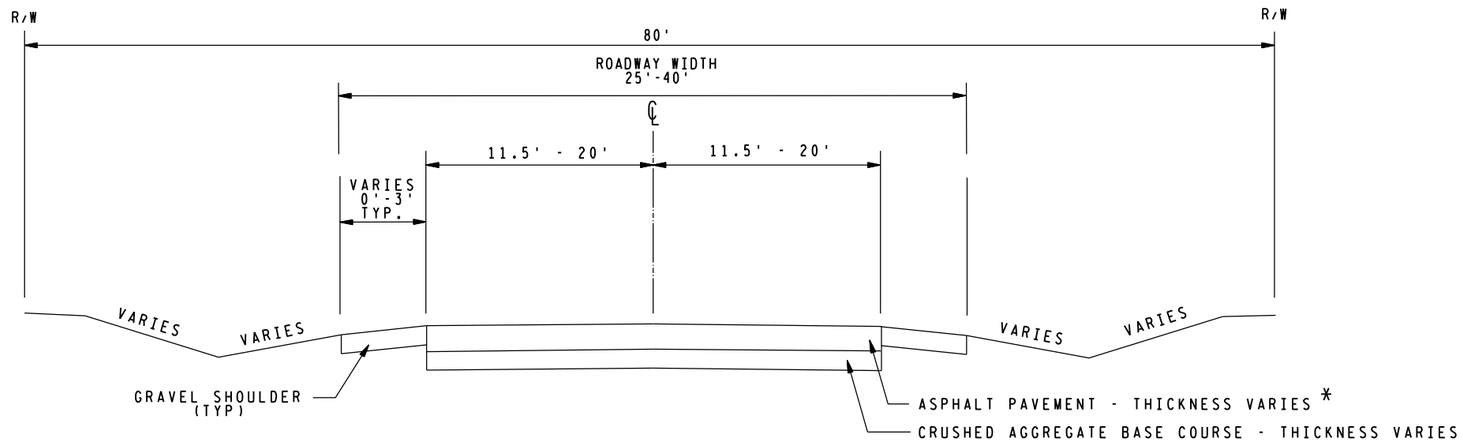
EXISTING TYPICAL SECTION
EISNER AVENUE
31+11.01 - 66+58.12

PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE.	COUNTY: SHEBOYGAN	EXISTING TYPICAL SECTIONS	SHEET 4	E

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PLOT TIME: 10:11:10 AM
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WISDOT/CADDS SHEET 42



EXISTING TYPICAL SECTION
CTH LS / LAKESHORE ROAD
6+91.60 - 13+07.61

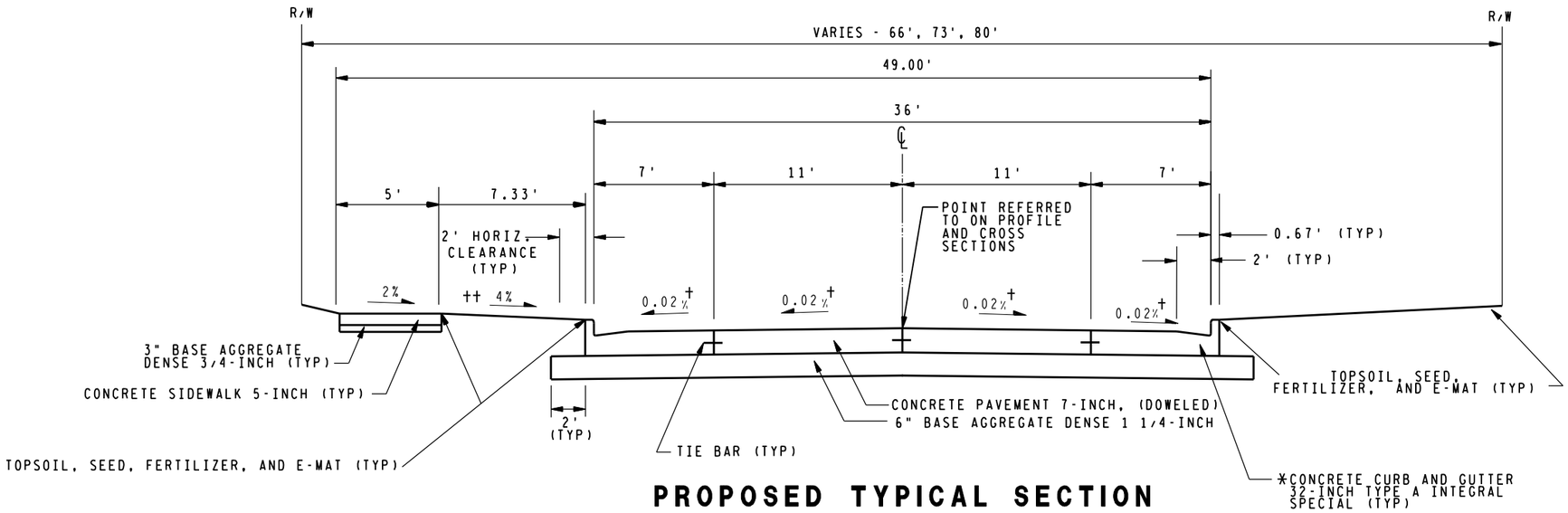


EXISTING TYPICAL SECTION
N. 8TH STREET
66+58.12 - 70+58.62

* CONCRETE PAVEMENT
3+16 - 3+36 RT

PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE.	COUNTY: SHEBOYGAN	EXISTING TYPICAL SECTIONS	SHEET 5	E

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WISDOT/CADDS SHEET 42

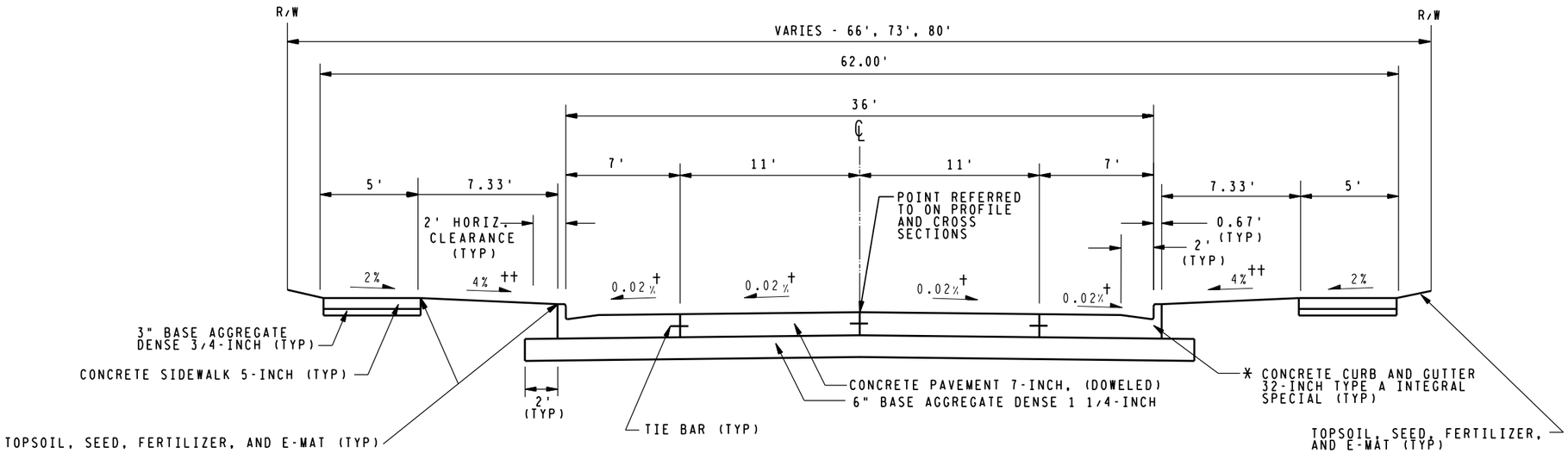


* SLOPE GUTTER ¾"/FT.

† 2% & VARIES, SEE CROSS SECTIONS & PAVING DETAILS.

†† 4% & VARIES, SEE CROSS SECTIONS & PAVING DETAILS.

PROPOSED TYPICAL SECTION
EISNER AVENUE
10+98.07 - 30+94.58



* SLOPE GUTTER ¾"/FT.

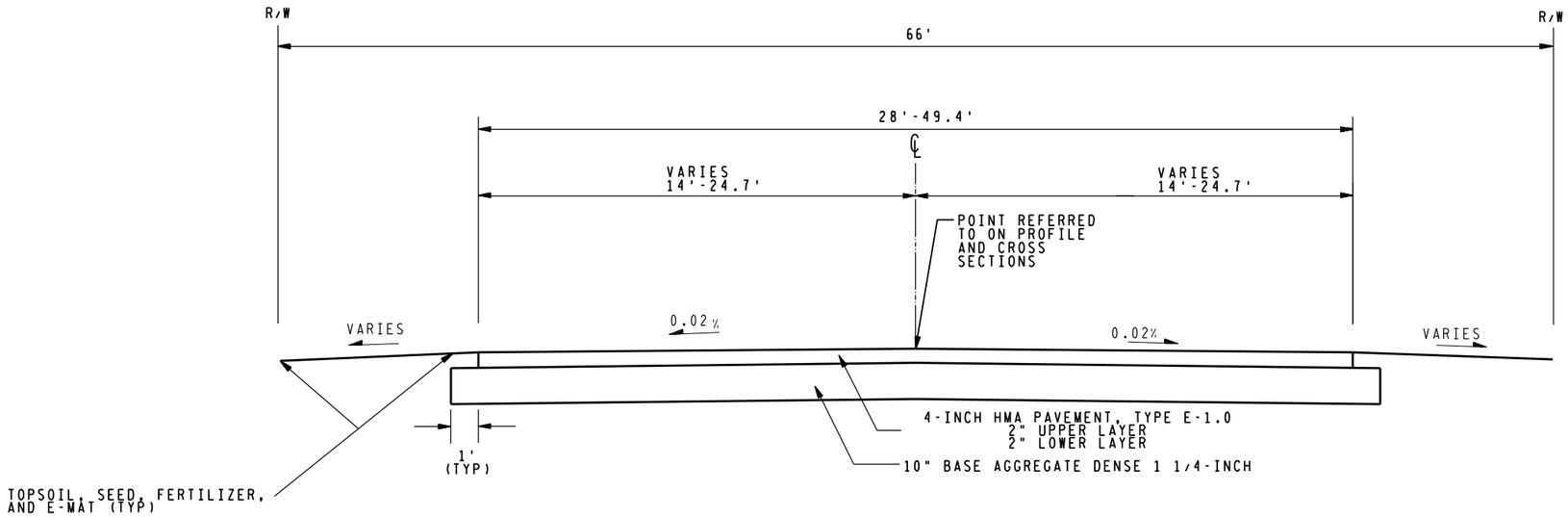
† 2% & VARIES, SEE CROSS SECTIONS & PAVING DETAILS.

†† 4% & VARIES, SEE CROSS SECTIONS & PAVING DETAILS.

PROPOSED TYPICAL SECTION
EISNER AVENUE
31+38.58 - 66+58.12

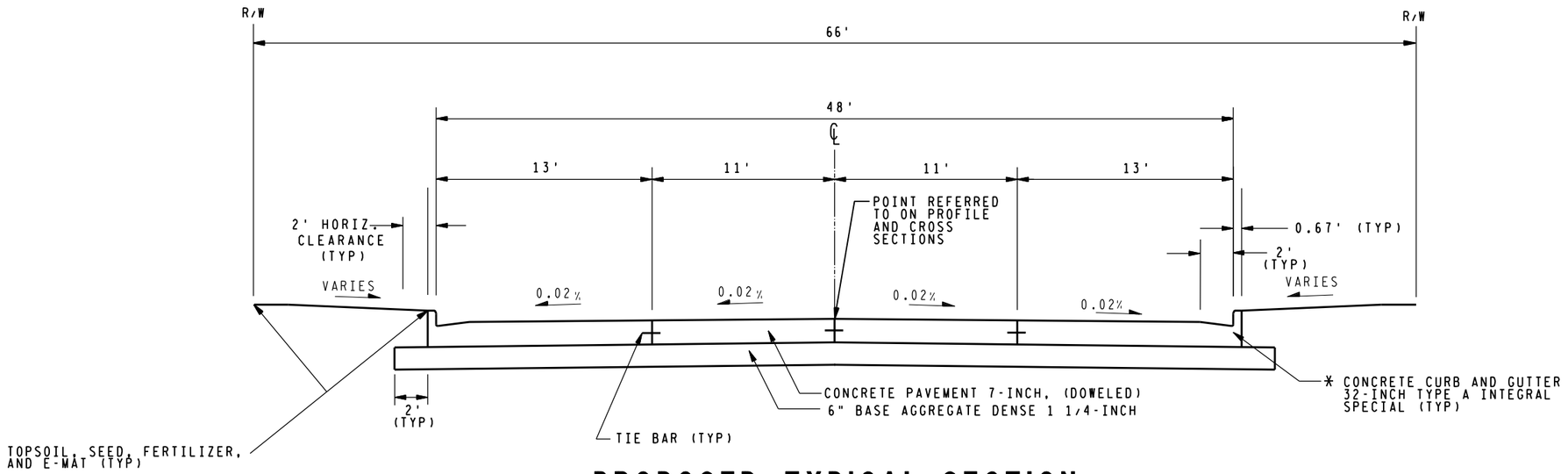
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PLOT TIME: 10:11:10 AM
PLOT SCALE: 1:3.99999
WISDOT/CADDS SHEET 42



PROPOSED TYPICAL SECTION
CTH LS / LAKESHORE ROAD

6'LS'+91.60 - 8'LS'+25.00
11'LS'+15.00 - 13'LS'+07.61



* SLOPE GUTTER 3/4"/FT.

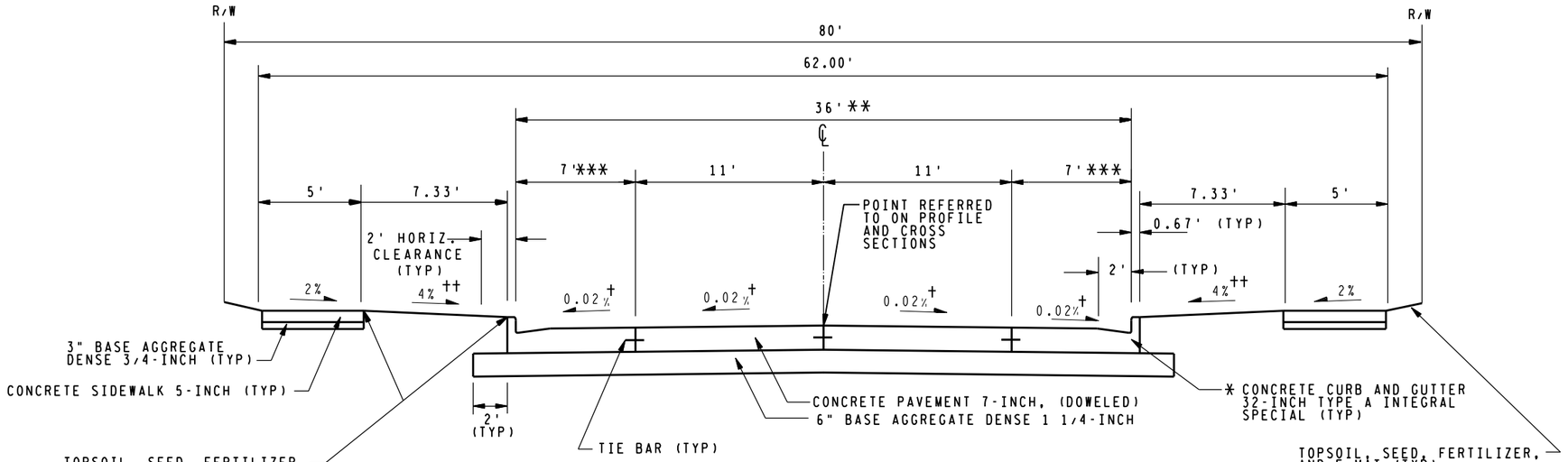
PROPOSED TYPICAL SECTION
CTH LS / LAKESHORE ROAD

8'LS'+25.00 - 11'LS'+15.00

PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE.	COUNTY: SHEBOYGAN	PROPOSED TYPICAL SECTIONS	SHEET 7	E

FILE NAME: l:\work\60164548\000_cadd\civil\020303 ts.dgn
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WISDOT/CADDS SHEET 42

2



PROPOSED TYPICAL SECTION
NORTH EIGHTH STREET

66+58.12 - 70+58.62

* SLOPE GUTTER 3/4"/FT.

† 2% & VARIES, SEE CROSS SECTIONS & PAVING DETAILS.

†† 4% & VARIES, SEE CROSS SECTIONS & PAVING DETAILS.

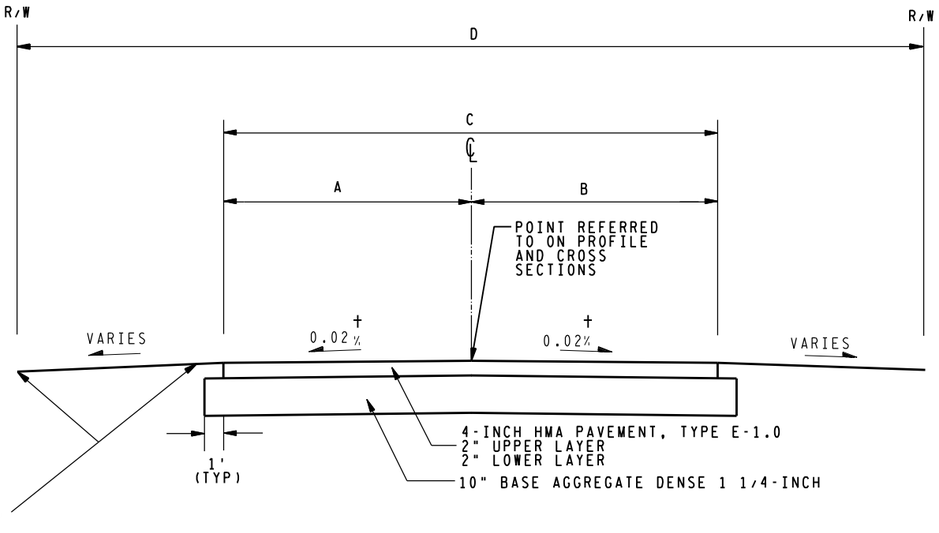
** 40 ' STA. 68+74 - 70+58.62

*** 9 ' STA. 68+74 - 70+58.62 (TYP)
TAPER FROM 7' AT 68+54
TO 9' AT 68+74

PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE.	COUNTY: SHEBOYGAN	PROPOSED TYPICAL SECTIONS	SHEET 8	E

FILE NAME: l:\work\60164548\000_cadd\civil\020303 ts.dgn
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PLOT SCALE: 1:3.99999
WISDOT/CADDS SHEET 42

† 2% & VARIES, SEE CROSS SECTIONS & PAVING DETAILS.



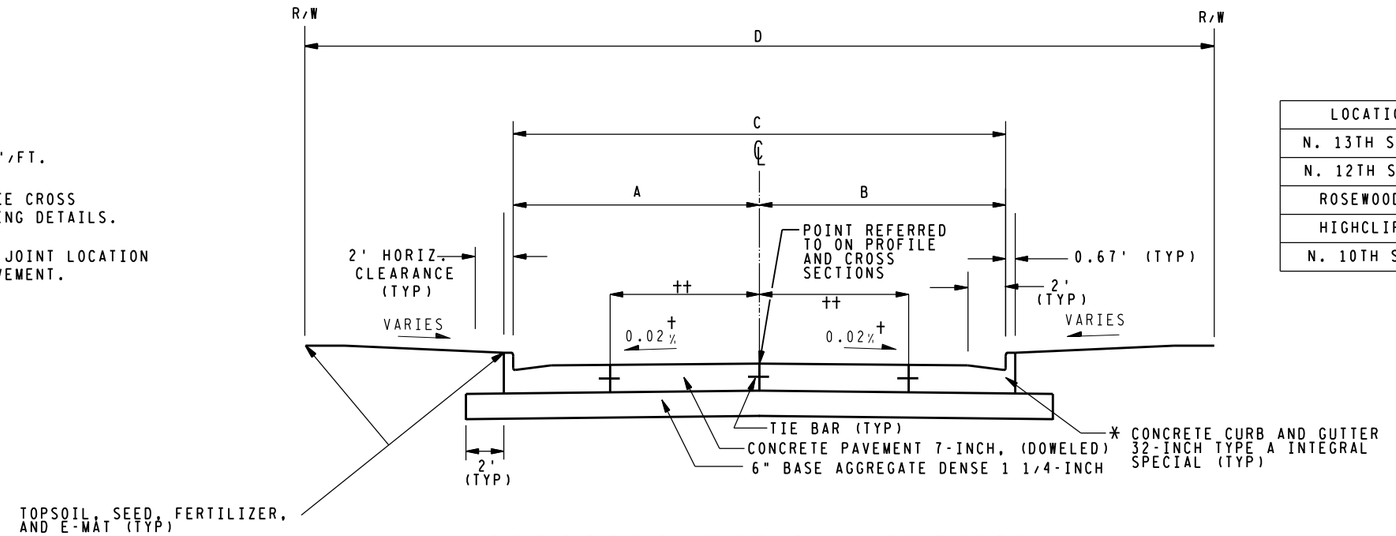
LOCATION	A	B	C	D
N. 8TH ST.	12'-16'	12'-16'	24'-32'	80'
N. 20TH PL.	14.1'-15'	15'-15.1'	29.2'-30'	36'
N. 20TH ST.	10.5'-13.2'	9.7'-12.4'	20.2'-25.6'	60'
N. 19TH ST.	14.1'-17.3'	13.4'-17.3'	27.5'-34.6'	60'
HUBERT CIRCLE	10.8'-15.6'	9.3'-14.3'	20.4'-29.9'	60'
N. 17TH ST.	10'-14.7'	10'-14.7'	20'-29.4'	60'
KOEHLER DR.	10.6'-13.3'	11'-14.5'	21.7'-27.8'	60'
N. 14TH ST.	11.1'-13.7'	9.5'-13.7'	20.6'-27.4'	60'
N. 13TH ST. (N)	10.2'-13.7'	10.2'-13.7'	20.4'-27.4'	60'
N. 12TH ST. (S)	9.8'-16.7'	12.1'-16.7'	22.2'-33.4'	80'
N. 10TH ST. (N)	10.2'-13.7'	10.8'-13.7'	21.1'-27.4'	66'
EISNER AVE. (E)	12'	12'	24'	66'

PROPOSED TYPICAL SECTION
MISC. CONNECTING ROADS

* SLOPE GUTTER ¾"/FT.

† 2% & VARIES, SEE CROSS SECTIONS & PAVING DETAILS.

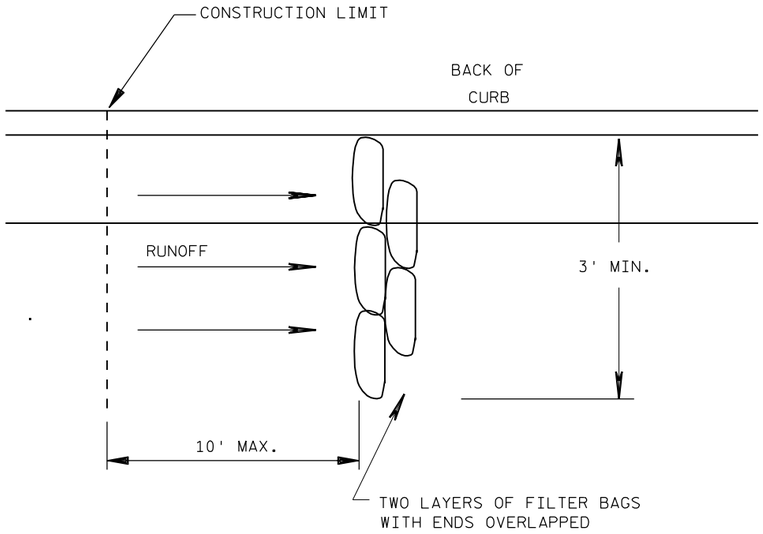
†† MATCH ADJACENT JOINT LOCATION IN EXISTING PAVEMENT.



LOCATION	A	B	C	D
N. 13TH ST. (S)	20'	20'	40'	80'
N. 12TH ST. (N)	18'	18'	36'	60'
ROSEWOOD CT.	16'	16'	32'	60'
HIGHCLIFF CT.	28'	28'	56'	90'
N. 10TH ST. (S)	18'	18'	36'	80'

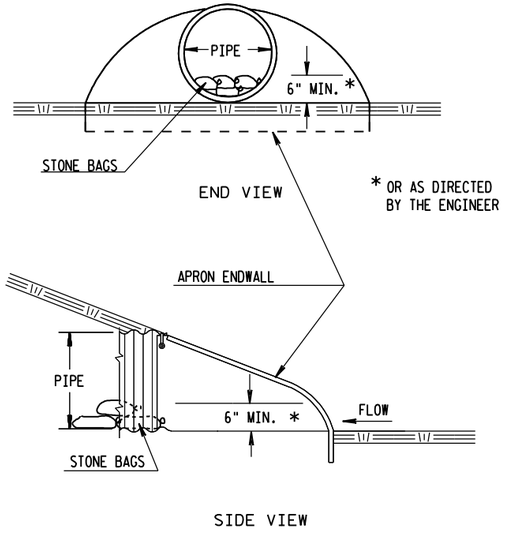
PROPOSED TYPICAL SECTION
MISC. CONNECTING ROADS

PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE.	COUNTY: SHEBOYGAN	PROPOSED TYPICAL SECTIONS	SHEET 9	E



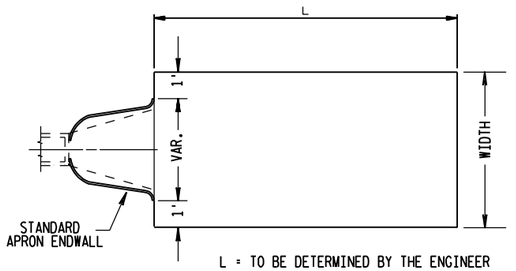
FILL ROCK BAGS WITH SIZE NO.1 COARSE AGGREGATE.
PLACE 1 TYPE I BARRICADE AT EACH LOCATION.

ROCK BAGS



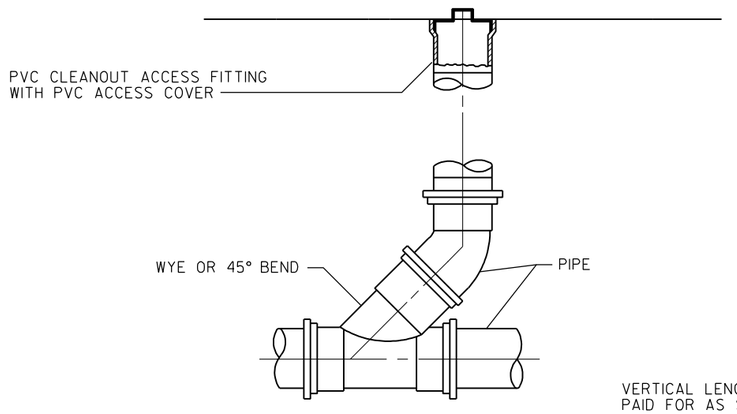
SIDE VIEW

CULVERT PIPE CHECKS



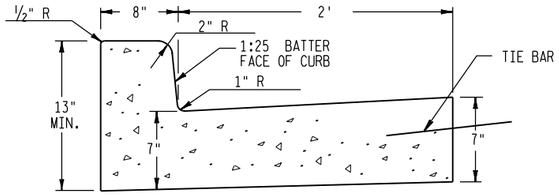
L = TO BE DETERMINED BY THE ENGINEER
IN THE FIELD. TYPICALLY 2 X WIDTH.

EROSION MAT AT DISCHARGE APRON DETAIL

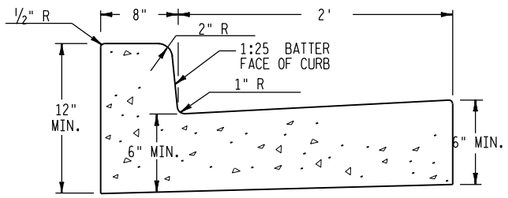


VERTICAL LENGTH OF CLEAN OUT WILL BE MEASURED AND
PAID FOR AS STORM SEWER PIPE PVC 4-INCH BID ITEM.

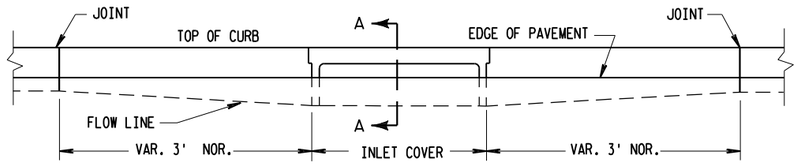
STORM LATERAL CLEANOUT DETAIL



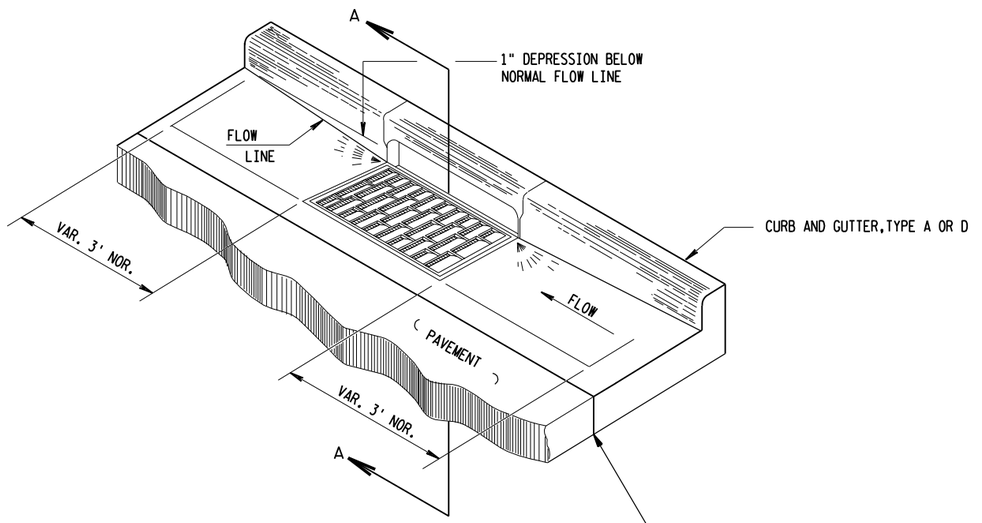
CONCRETE CURB AND GUTTER, 32-INCH, TYPE A INTEGRAL SPECIAL

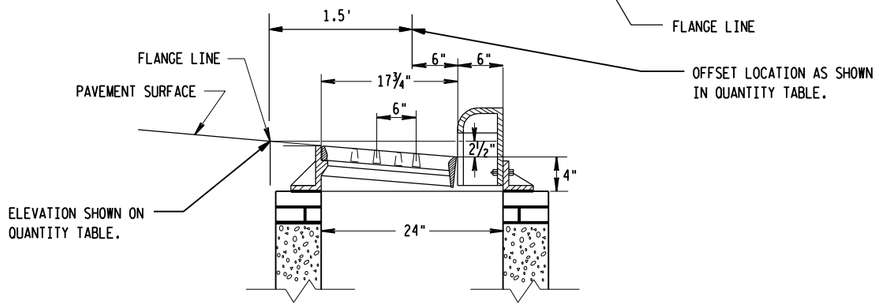


CONCRETE CURB AND GUTTER, 32-INCH, TYPE D SPECIAL



ELEVATION

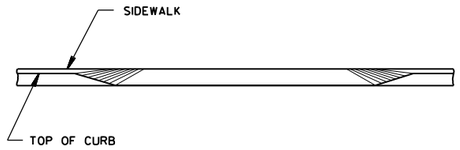




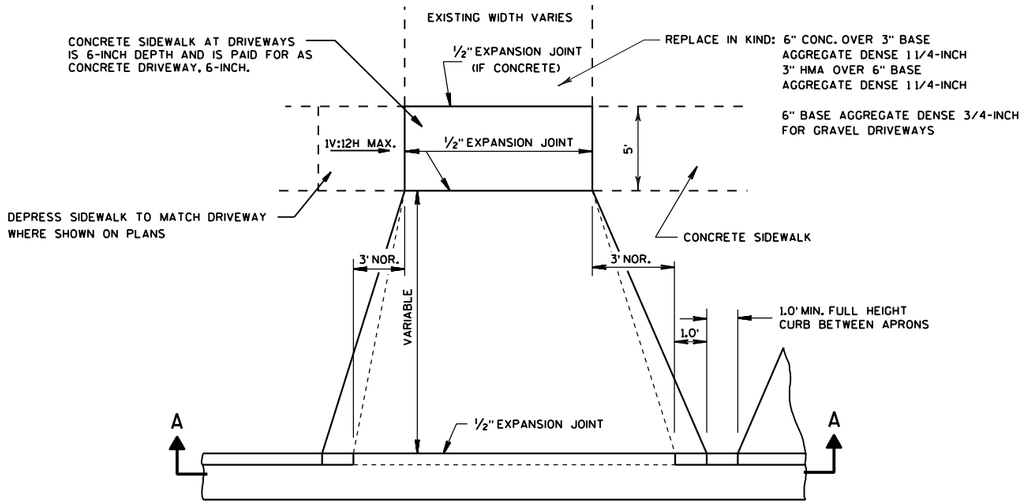
SECTION A-A

DETAIL OF CURB AND GUTTER AT CATCH BASINS

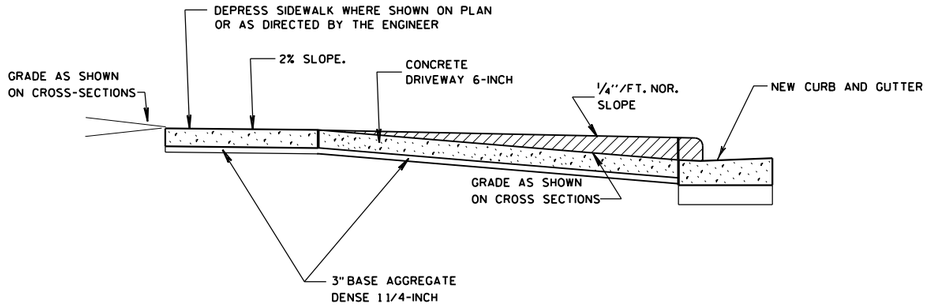
CATCH BASIN 2X3-FT
WITH TYPE H COVER SHOWN



SECTION A-A



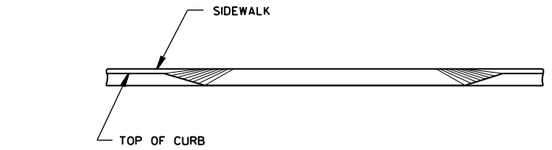
PLAN VIEW



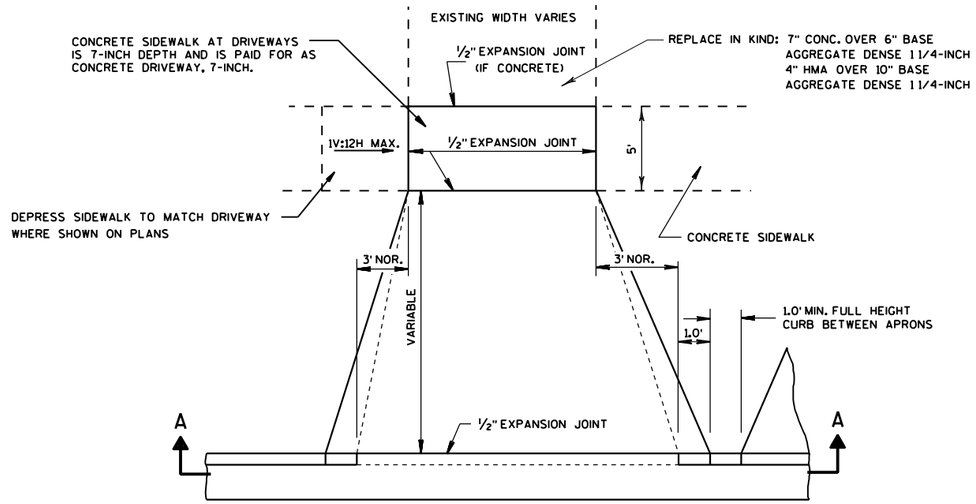
PROFILE VIEW

RESIDENTIAL DRIVEWAY DETAIL

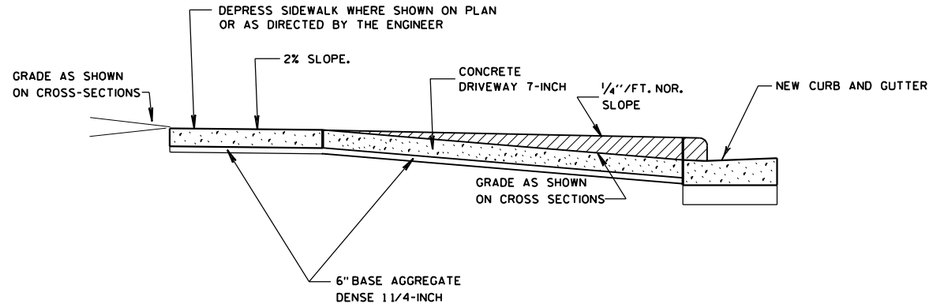
FOR USE IN AREAS WITH GRASS TERRACE



SECTION A-A



PLAN VIEW



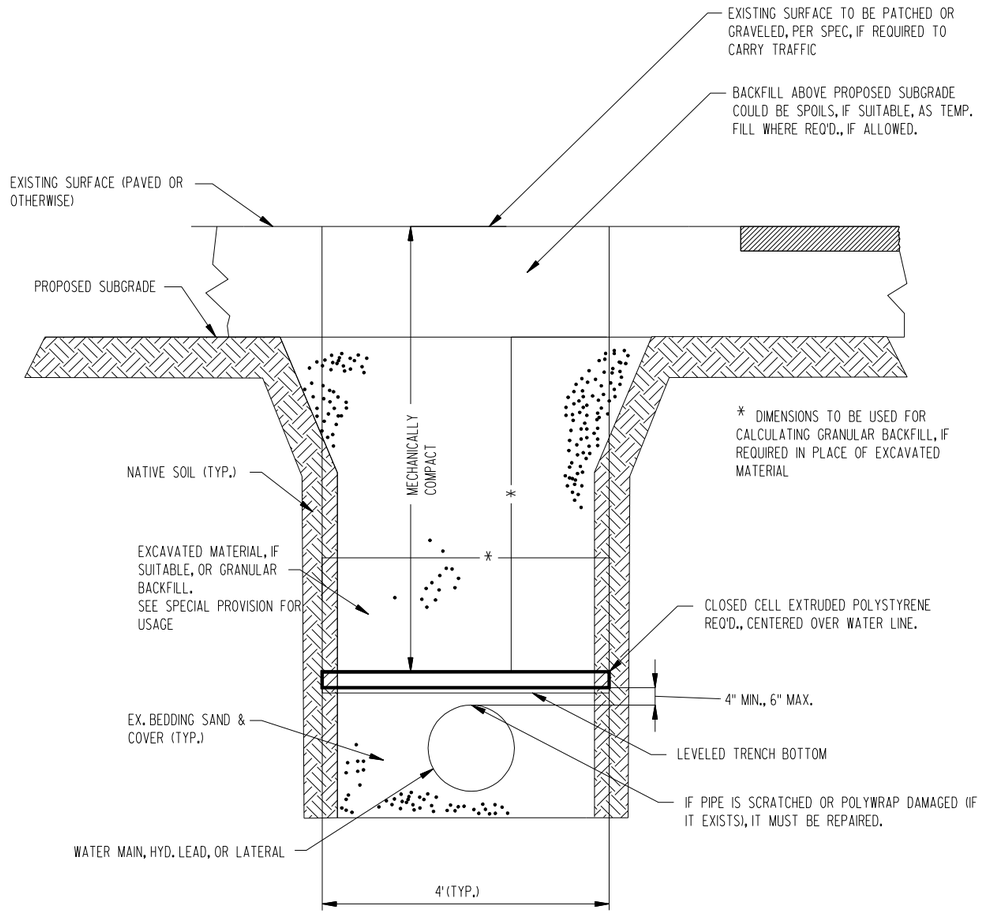
PROFILE VIEW

COMMERCIAL DRIVEWAY DETAIL

FOR USE IN AREAS WITH GRASS TERRACE

USE AT THE FOLLOWING DRIVEWAYS:

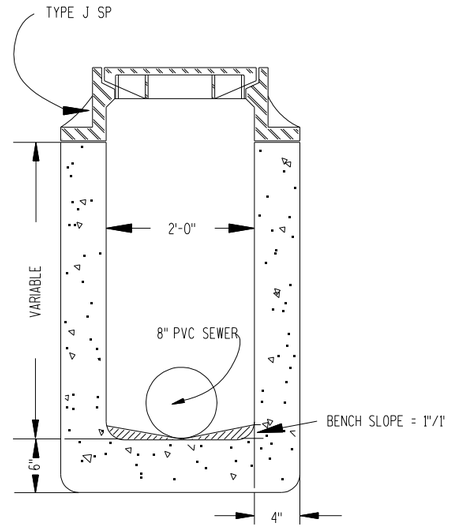
STA 19+67 RT
STA 21+75 RT
STA 24+05 RT
STA 33+03 RT
STA 36+28 RT
STA 39+39 RT
STA 46+04 RT
STA 47+62 RT



BEDDING SAND SHALL BE LEVELED OUT SO INSULATION IS UNIFORMLY SUPPORTED, ESPECIALLY IF ANY SHEETS ARE OVERLAPPED.

EXTRUDED POLYSTYRENE TO BE MIN. 2" THICK, UNLESS OTHERWISE SPECIFIED.

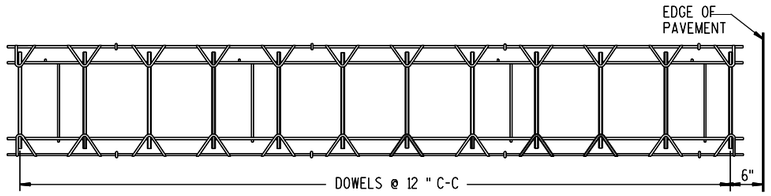
INSULATION BOARD POLYSTYRENE, 2-INCH OR 4-INCH



MANHOLES 2-FT DIAMETER SPECIAL

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WISDOT/CADDS SHEET 42

2



PLAN VIEW



SIDE VIEW

CONTRACTION JOINT DOWEL ASSEMBLY

GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

CONTRACTION JOINTS

CONTRACTION JOINTS SHALL BE SEALED AS SHOWN IN DETAIL "A".

DOWEL BARS SHALL BE PARALLEL TO THE PAVEMENT CENTERLINE AND SURFACE.

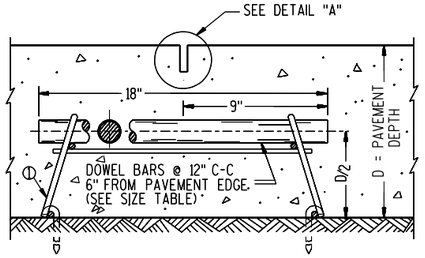
CONSTRUCTION JOINTS

CONSTRUCTION JOINTS SHALL BE A MINIMUM OF 4 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGNED EITHER PARALLEL TO THE CONTRACTION JOINTS OR AT A 90° TO THE CENTERLINE.

CONSTRUCTION JOINTS SHALL BE SEALED AS SHOWN IN DETAIL "A".

TIE BARS MAY BE INSERTED THROUGH THE HEADER BOARD AFTER THE CONCRETE HAS BEEN POURED.

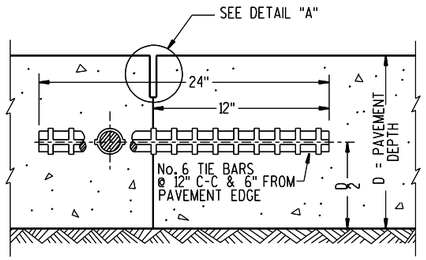
TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.4 OF THE STANDARD SPECIFICATIONS.



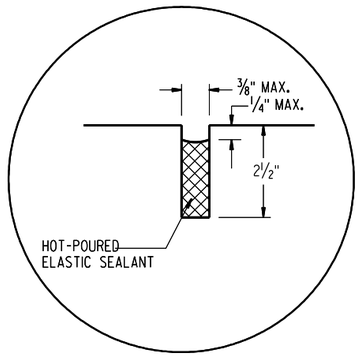
DOWELED CONTRACTION JOINT

PAVEMENT DEPTH, DOWEL BAR SIZE TABLE AND JOINT SPACING TABLE

PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER	CONTRACTION JOINT SPACING
7"	1 1/4"	14'

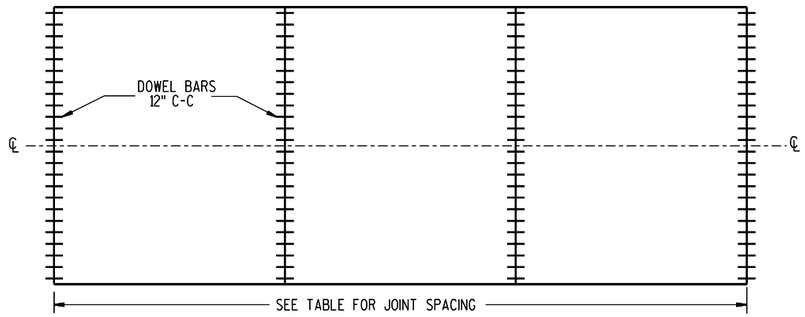


CONSTRUCTION JOINT



DETAIL "A"

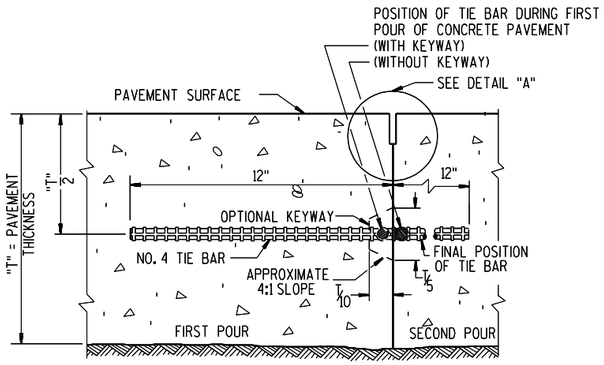
HOT POURED
ELASTIC JOINT SEAL



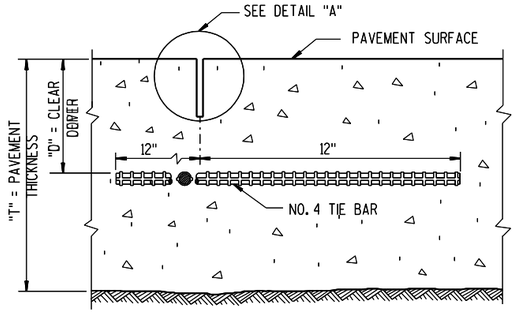
CONTRACTION JOINT LOCATIONS

PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE.	COUNTY: SHEBOYGAN	CONSTRUCTION DETAILS - PAVEMENT JOINTS	SHEET 14	E

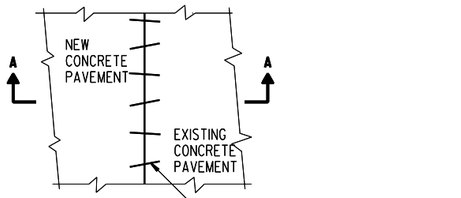
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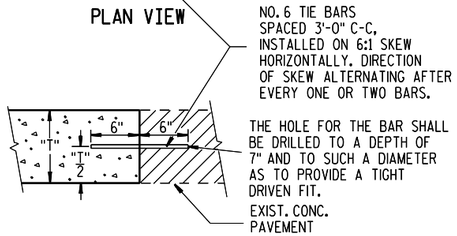
CONSTRUCTION JOINT



SAWED JOINT

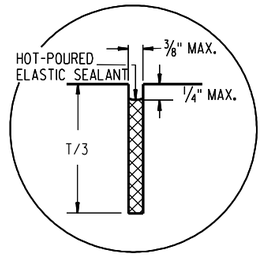


PLAN VIEW



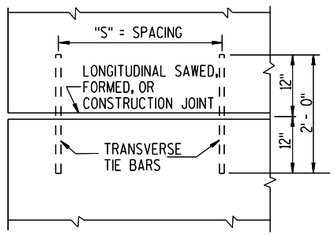
SECTION A-A
PAVEMENT TIES

LONGITUDINAL CONSTRUCTION JOINT
TIE BARS ANCHORED
INTO EXISTING PAVEMENT



DETAIL "A"

PAVEMENT THICKNESS "T" INCHES	CLEAR COVER "C" INCHES	SAWCUT GROVE "G" INCHES	MAXIMUM TIE BAR SPACING "S" INCHES
7	3 1/4 +/- 1	2 1/4	26



PLAN VIEW
SHOWING LOCATION OF TIE BARS

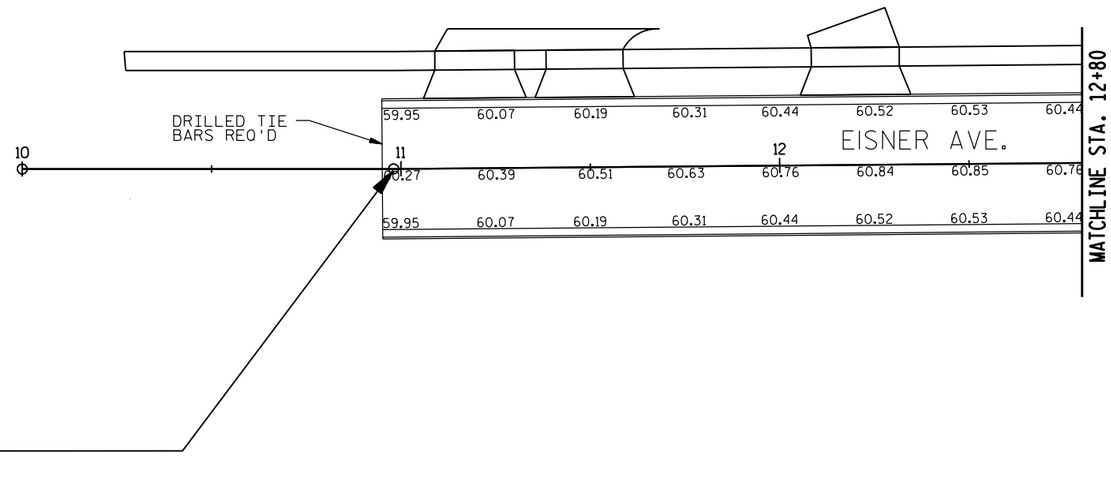
GENERAL NOTES

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

TIE BARS AND PAVEMENT TIES SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.4 OF THE STANDARD SPECIFICATIONS.

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N



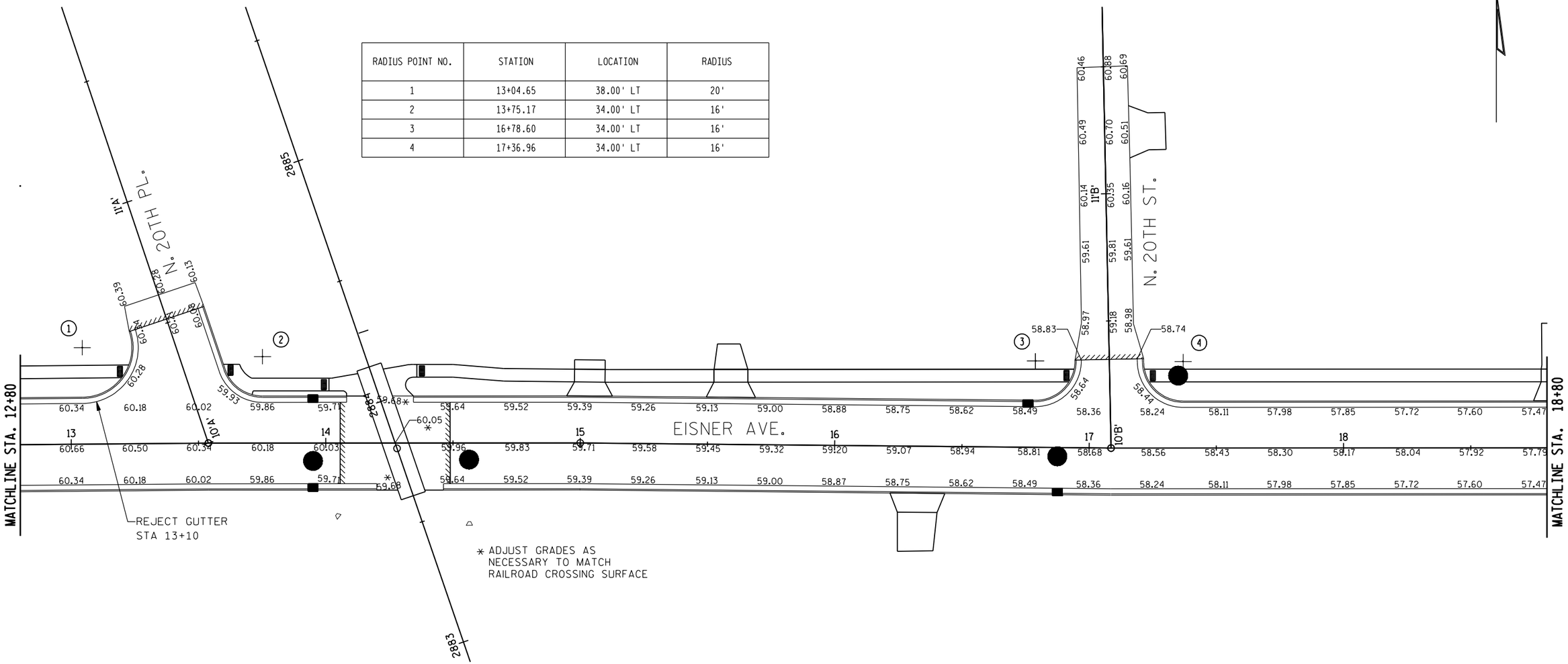
NOTE: ALL RADII ARE MEASURED TO THE FACE OF CURB.
ALL ELEVATIONS ARE GIVEN AT THE LANE LINE AND FLANGE LINE.
ALL PAVEMENT GRADES ARE SHOWN AT 25'INCREMENTS AND AT CURVE MIDPOINTS UNLESS NOTED OTHERWISE.

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PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE.	COUNTY: SHEBOYGAN	PAVING DETAILS	SHEET 16	E

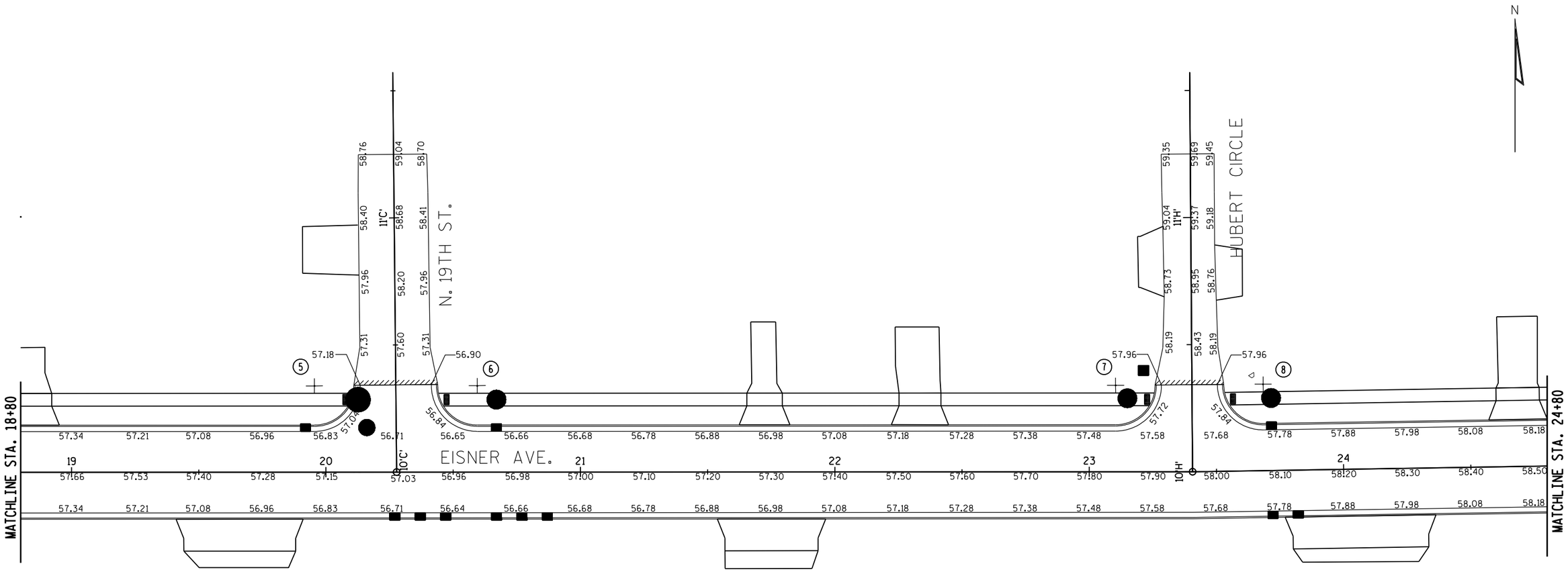
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RADIUS POINT NO.	STATION	LOCATION	RADIUS
1	13+04.65	38.00' LT	20'
2	13+75.17	34.00' LT	16'
3	16+78.60	34.00' LT	16'
4	17+36.96	34.00' LT	16'



NOTE: ALL RADII ARE MEASURED TO THE FACE OF CURB.
ALL ELEVATIONS ARE GIVEN AT THE LANE LINE AND FLANGE LINE.
ALL PAVEMENT GRADES ARE SHOWN AT 25'INCREMENTS AND AT CURVE MIDPOINTS UNLESS NOTED OTHERWISE.

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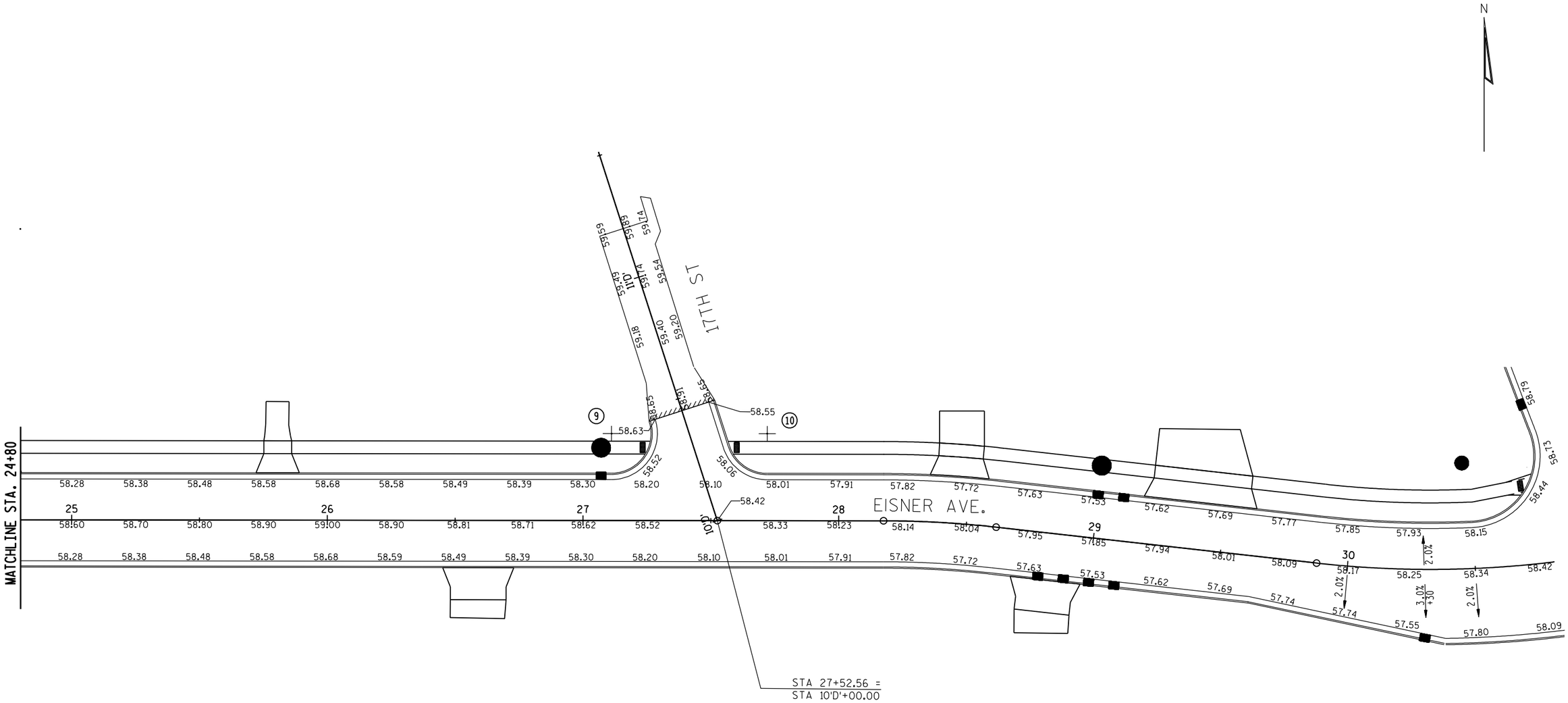


RADIUS POINT NO.	STATION	LOCATION	RADIUS
5	19+95.45	34.00' LT	16'
6	20+59.46	34.00' LT	16'
7	23+10.37	34.00' LT	16'
8	23+68.90	34.00' LT	16'

NOTE: ALL RADII ARE MEASURED TO THE FACE OF CURB.
ALL ELEVATIONS ARE GIVEN AT THE LANE LINE AND FLANGE LINE.
ALL PAVEMENT GRADES ARE SHOWN AT 25'INCREMENTS AND AT CURVE MIDPOINTS UNLESS NOTED OTHERWISE.

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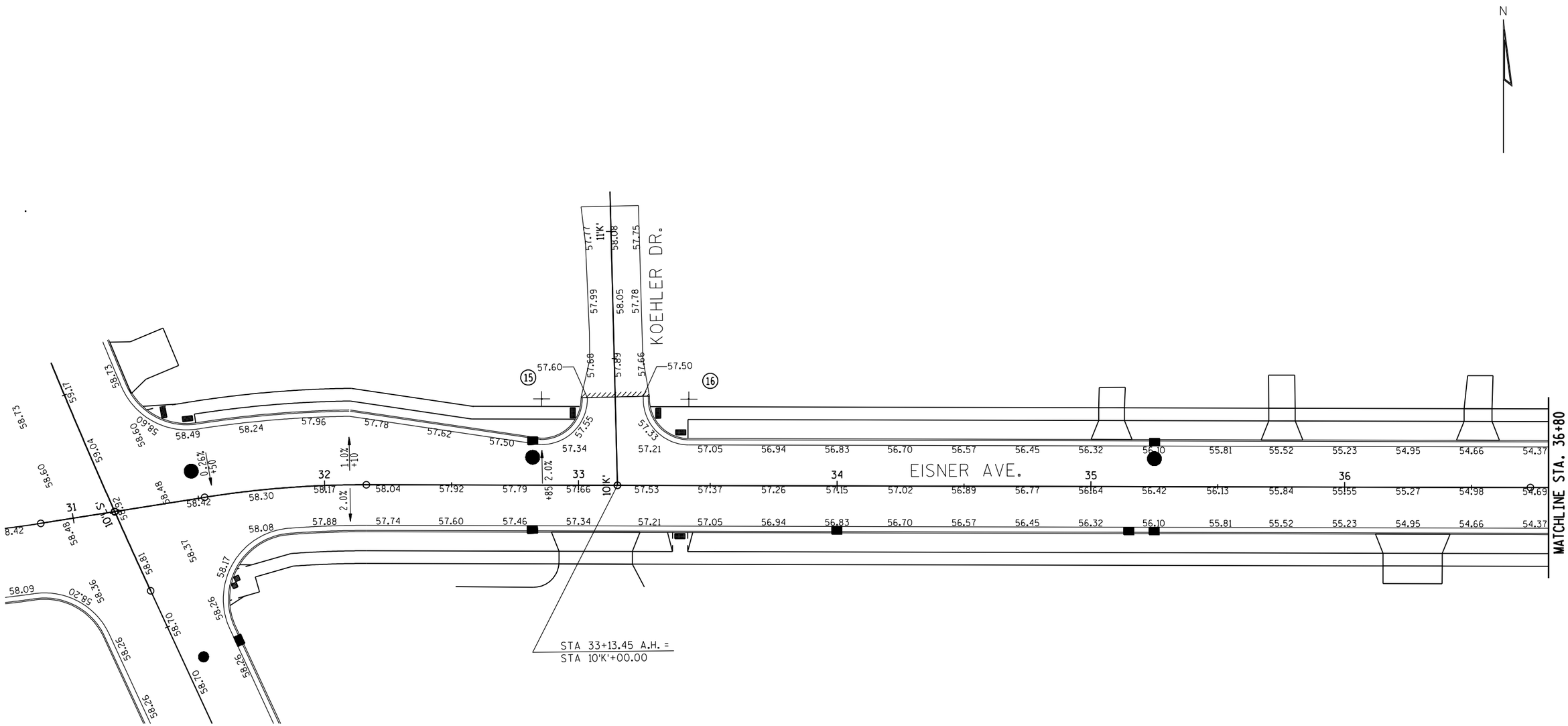
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RADIUS POINT NO.	STATION	LOCATION	RADIUS
9	27+11.08	34.00' LT	16'
10	27+72.04	34.00' LT	16'

NOTE: ALL RADII ARE MEASURED TO THE FACE OF CURB.
ALL ELEVATIONS ARE GIVEN AT THE LANE LINE AND FLANGE LINE.
ALL PAVEMENT GRADES ARE SHOWN AT 25' INCREMENTS AND AT CURVE MIDPOINTS UNLESS NOTED OTHERWISE.

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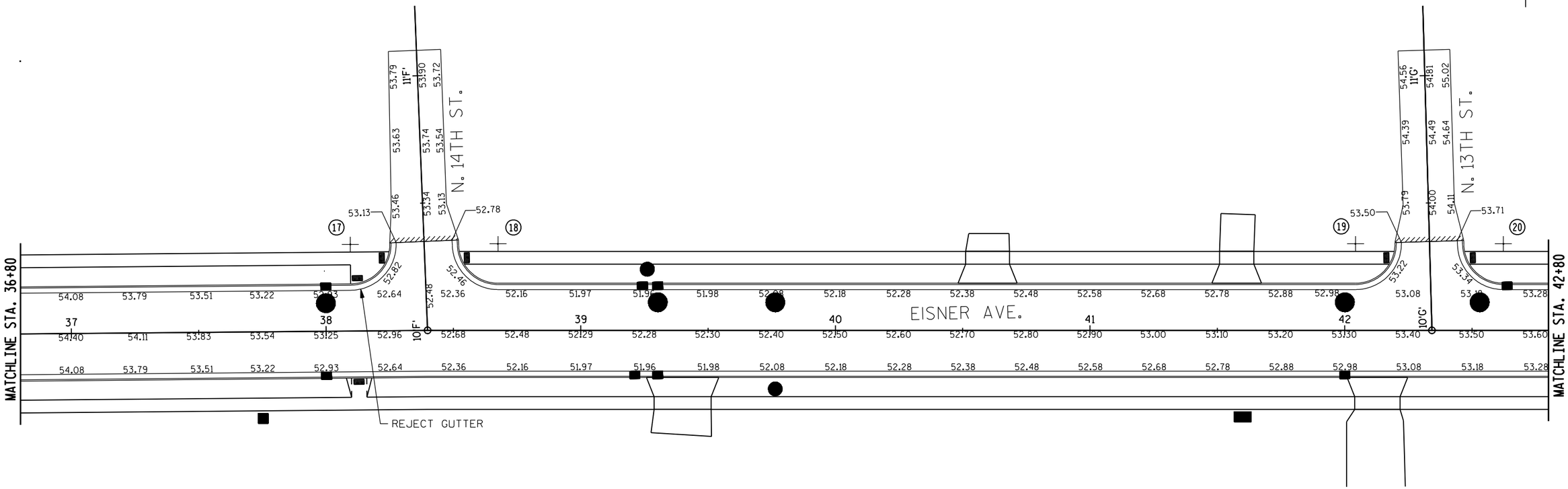


RADIUS POINT NO.	STATION	LOCATION	RADIUS
15	32+85.43	34.00' LT	16'
16	33+41.55	34.00' LT	16'

NOTE: ALL RADII ARE MEASURED TO THE FACE OF CURB.
ALL ELEVATIONS ARE GIVEN AT THE LANE LINE AND FLANGE LINE.
ALL PAVEMENT GRADES ARE SHOWN AT 25' INCREMENTS AND AT CURVE MIDPOINTS UNLESS NOTED OTHERWISE.

2

N



RADIUS POINT NO.	STATION	LOCATION	RADIUS
17	38+09.82	34.00' LT	16'
18	38+67.55	34.00' LT	16'
19	42+04.25	34.00' LT	16'
20	42+62.27	34.00' LT	16'

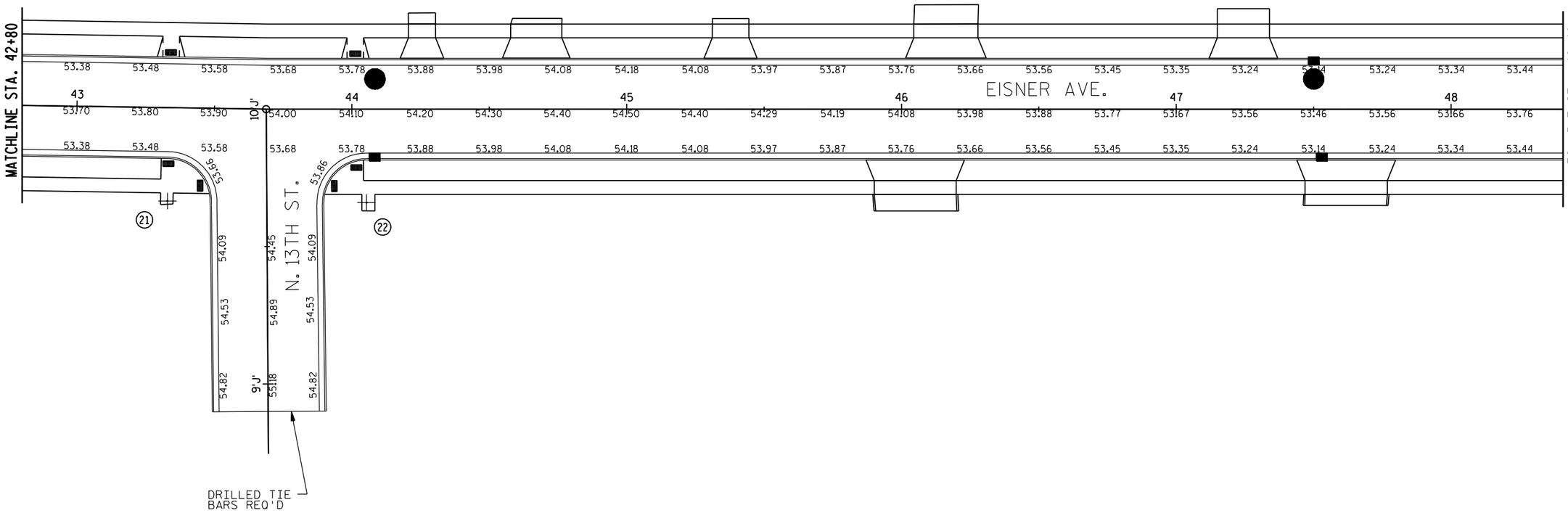
NOTE: ALL RADII ARE MEASURED TO THE FACE OF CURB.
ALL ELEVATIONS ARE GIVEN AT THE LANE LINE AND FLANGE LINE.
ALL PAVEMENT GRADES ARE SHOWN AT 25' INCREMENTS AND AT CURVE MIDPOINTS UNLESS NOTED OTHERWISE.

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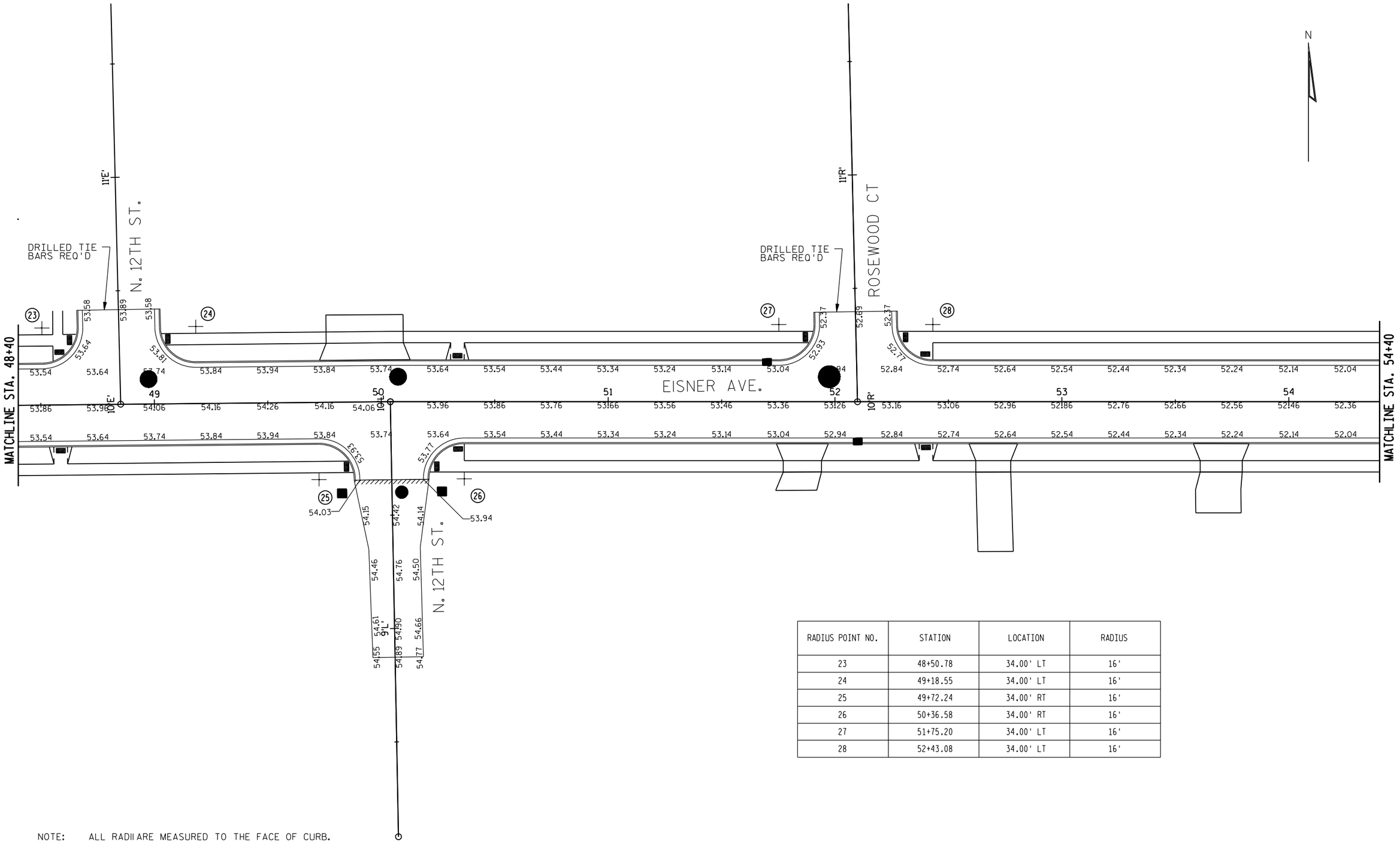
RADIUS POINT NO.	STATION	LOCATION	RADIUS
21	43+33.43	34.00' RT	16'
22	44+05.32	34.00' RT	16'

N



NOTE: ALL RADII ARE MEASURED TO THE FACE OF CURB.
ALL ELEVATIONS ARE GIVEN AT THE LANE LINE AND FLANGE LINE.
ALL PAVEMENT GRADES ARE SHOWN AT 25'INCREMENTS AND AT CURVE MIDPOINTS UNLESS NOTED OTHERWISE.

2

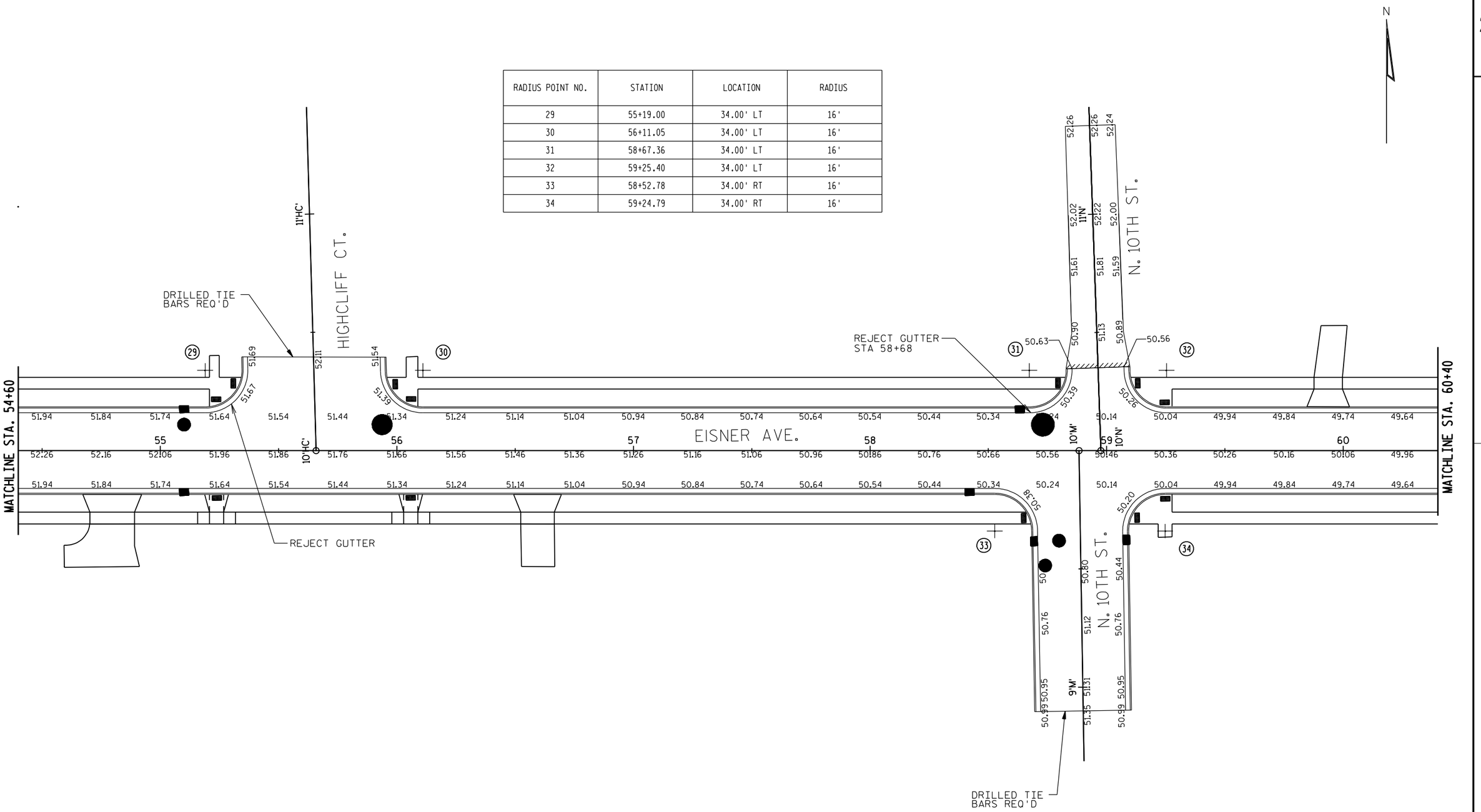


RADIUS POINT NO.	STATION	LOCATION	RADIUS
23	48+50.78	34.00' LT	16'
24	49+18.55	34.00' LT	16'
25	49+72.24	34.00' RT	16'
26	50+36.58	34.00' RT	16'
27	51+75.20	34.00' LT	16'
28	52+43.08	34.00' LT	16'

NOTE: ALL RADII ARE MEASURED TO THE FACE OF CURB.
ALL ELEVATIONS ARE GIVEN AT THE LANE LINE AND FLANGE LINE.
ALL PAVEMENT GRADES ARE SHOWN AT 25'INCREMENTS AND AT CURVE MIDPOINTS UNLESS NOTED OTHERWISE.

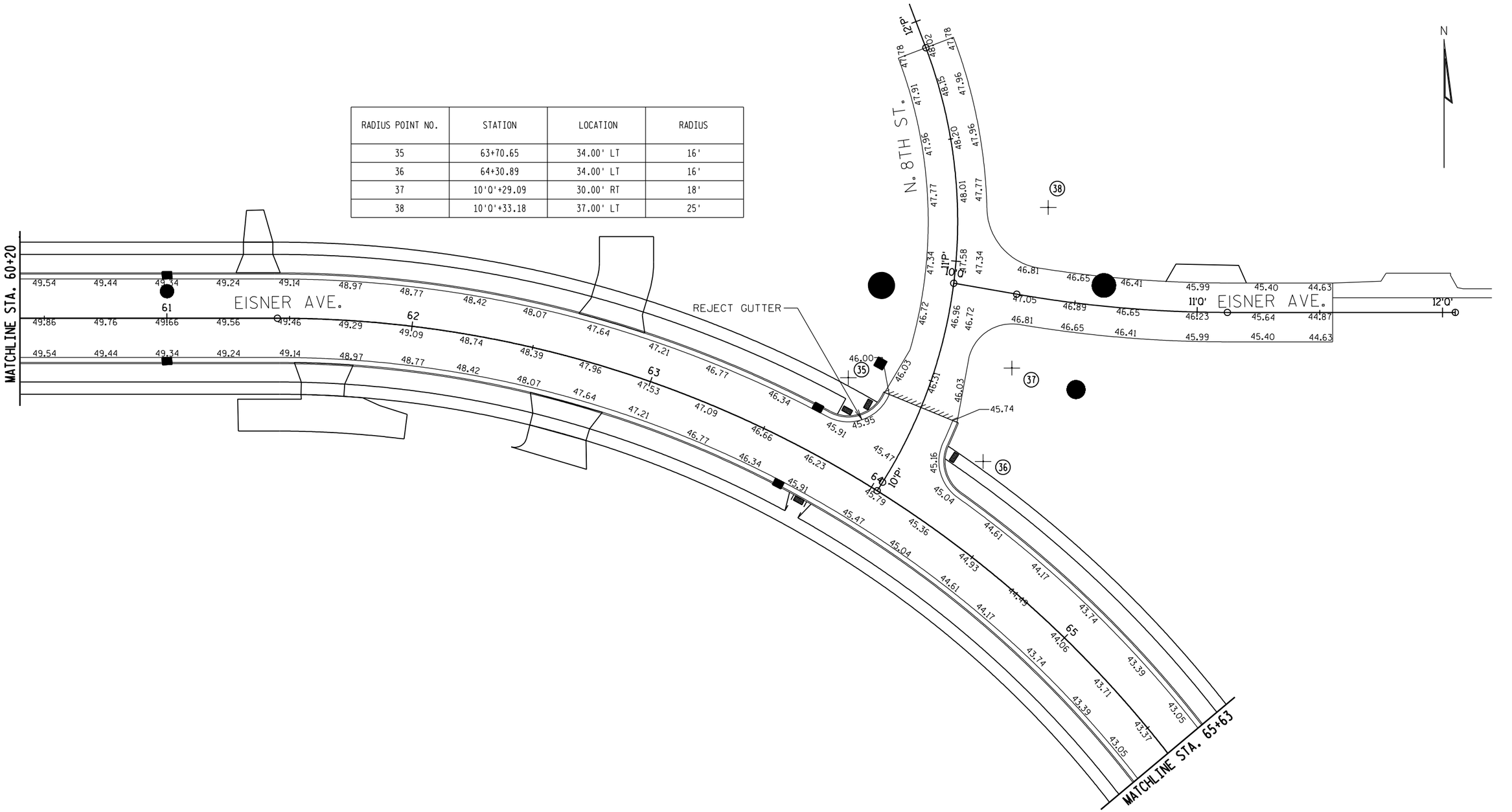
PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE.	COUNTY: SHEBOYGAN	PAVING DETAILS	SHEET 23	E

RADIUS POINT NO.	STATION	LOCATION	RADIUS
29	55+19.00	34.00' LT	16'
30	56+11.05	34.00' LT	16'
31	58+67.36	34.00' LT	16'
32	59+25.40	34.00' LT	16'
33	58+52.78	34.00' RT	16'
34	59+24.79	34.00' RT	16'



NOTE: ALL RADII ARE MEASURED TO THE FACE OF CURB.
ALL ELEVATIONS ARE GIVEN AT THE LANE LINE AND FLANGE LINE.
ALL PAVEMENT GRADES ARE SHOWN AT 25'INCREMENTS AND AT CURVE MIDPOINTS UNLESS NOTED OTHERWISE.

RADIUS POINT NO.	STATION	LOCATION	RADIUS
35	63+70.65	34.00' LT	16'
36	64+30.89	34.00' LT	16'
37	10'0'+29.09	30.00' RT	18'
38	10'0'+33.18	37.00' LT	25'

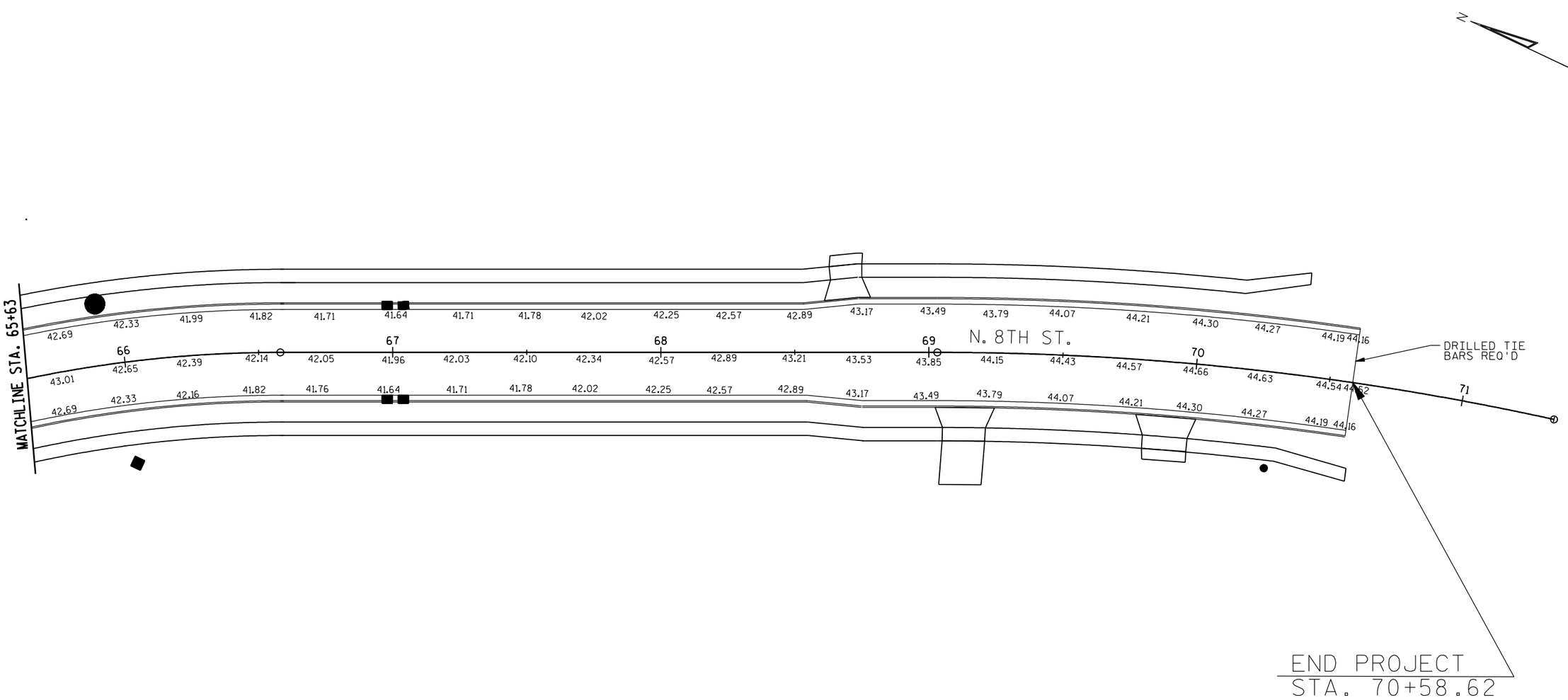


NOTE: ALL RADII ARE MEASURED TO THE FACE OF CURB.
ALL ELEVATIONS ARE GIVEN AT THE LANE LINE AND FLANGE LINE.
ALL PAVEMENT GRADES ARE SHOWN AT 25'INCREMENTS AND AT CURVE MIDPOINTS UNLESS NOTED OTHERWISE.

PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE.	COUNTY: SHEBOYGAN	PAVING DETAILS	SHEET 25	E

FILE NAME: l:\work\60164548\000_cadd\civil\021210_pd.dgn
BATCH PRINT SHEET 10 OF 13
PRINTER DRIVER: L:\library\TPN_CADstds\Workspace-Clients\WisDOT\Microstation\Resources\MS_Printing\Printer_Drivers\ET_PDF_11 x 17.plt
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PLOT DATE: 10/24/2012
PLOT TIME: 10:55:26 AM
PLOT SCALE: 1:40
WISDOT/CADDS SHEET 42

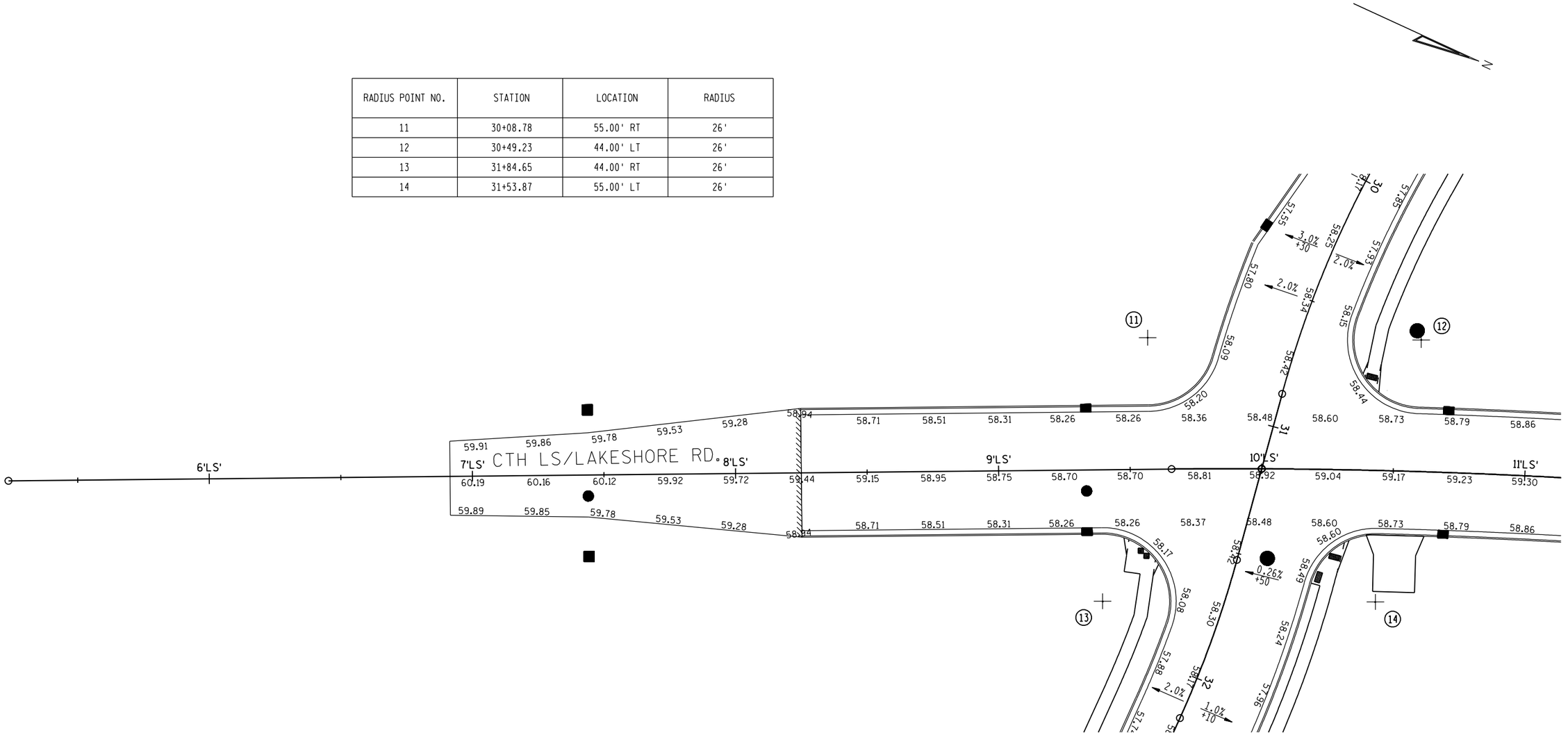
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NOTE: ALL RADII ARE MEASURED TO THE FACE OF CURB.
ALL ELEVATIONS ARE GIVEN AT THE LANE LINE AND FLANGE LINE.
ALL PAVEMENT GRADES ARE SHOWN AT 25' INCREMENTS AND AT CURVE MIDPOINTS UNLESS NOTED OTHERWISE.

2

RADIUS POINT NO.	STATION	LOCATION	RADIUS
11	30+08.78	55.00' RT	26'
12	30+49.23	44.00' LT	26'
13	31+84.65	44.00' RT	26'
14	31+53.87	55.00' LT	26'

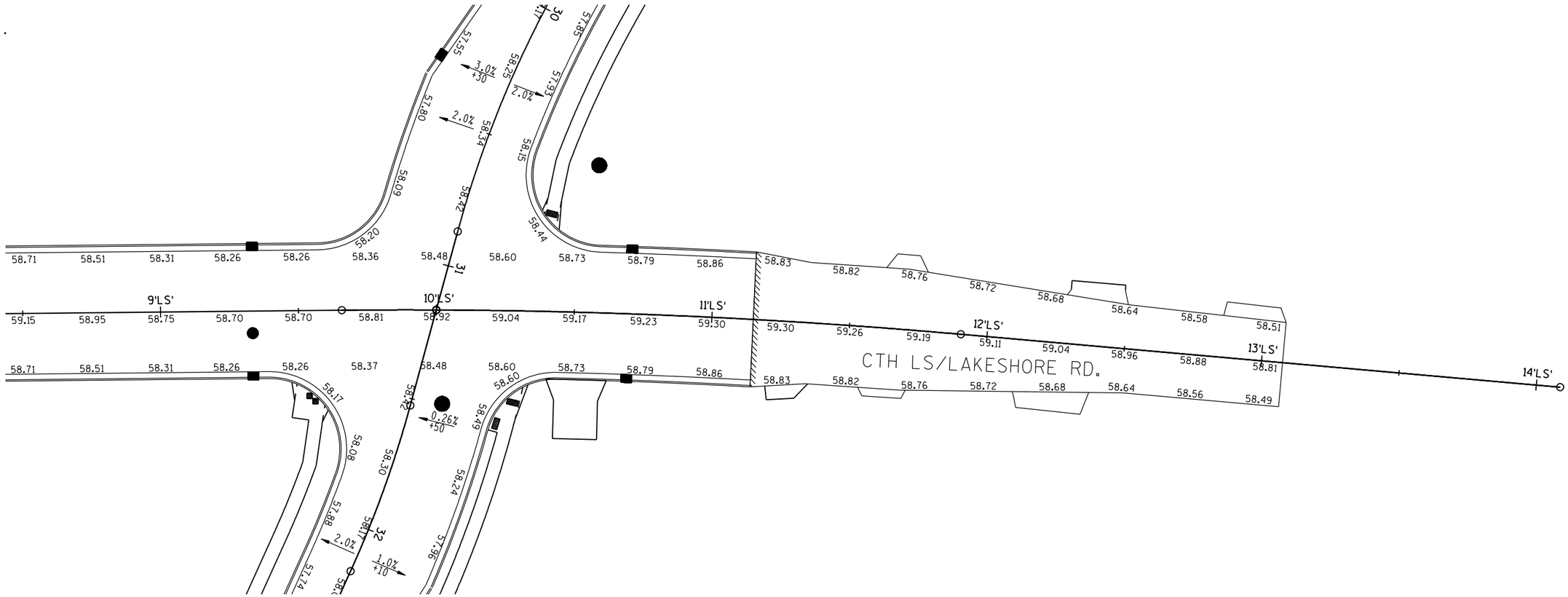


NOTE: ALL RADII ARE MEASURED TO THE FACE OF CURB.
ALL ELEVATIONS ARE GIVEN AT THE LANE LINE AND FLANGE LINE.
ALL PAVEMENT GRADES ARE SHOWN AT 25'INCREMENTS AND AT CURVE MIDPOINTS UNLESS NOTED OTHERWISE.

PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE.	COUNTY: SHEBOYGAN	PAVING DETAILS	SHEET 27	E

FILE NAME: l:\work\60164548\000.cadd\civil\021204a_pd.dgn
BATCH PRINT SHEET 12 OF 13
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PLOT TIME: 10:55:32 AM
PLOT SCALE: 1:40

2



NOTE: ALL RADII ARE MEASURED TO THE FACE OF CURB.
ALL ELEVATIONS ARE GIVEN AT THE LANE LINE AND FLANGE LINE.
ALL PAVEMENT GRADES ARE SHOWN AT 25'INCREMENTS AND AT CURVE MIDPOINTS UNLESS NOTED OTHERWISE.

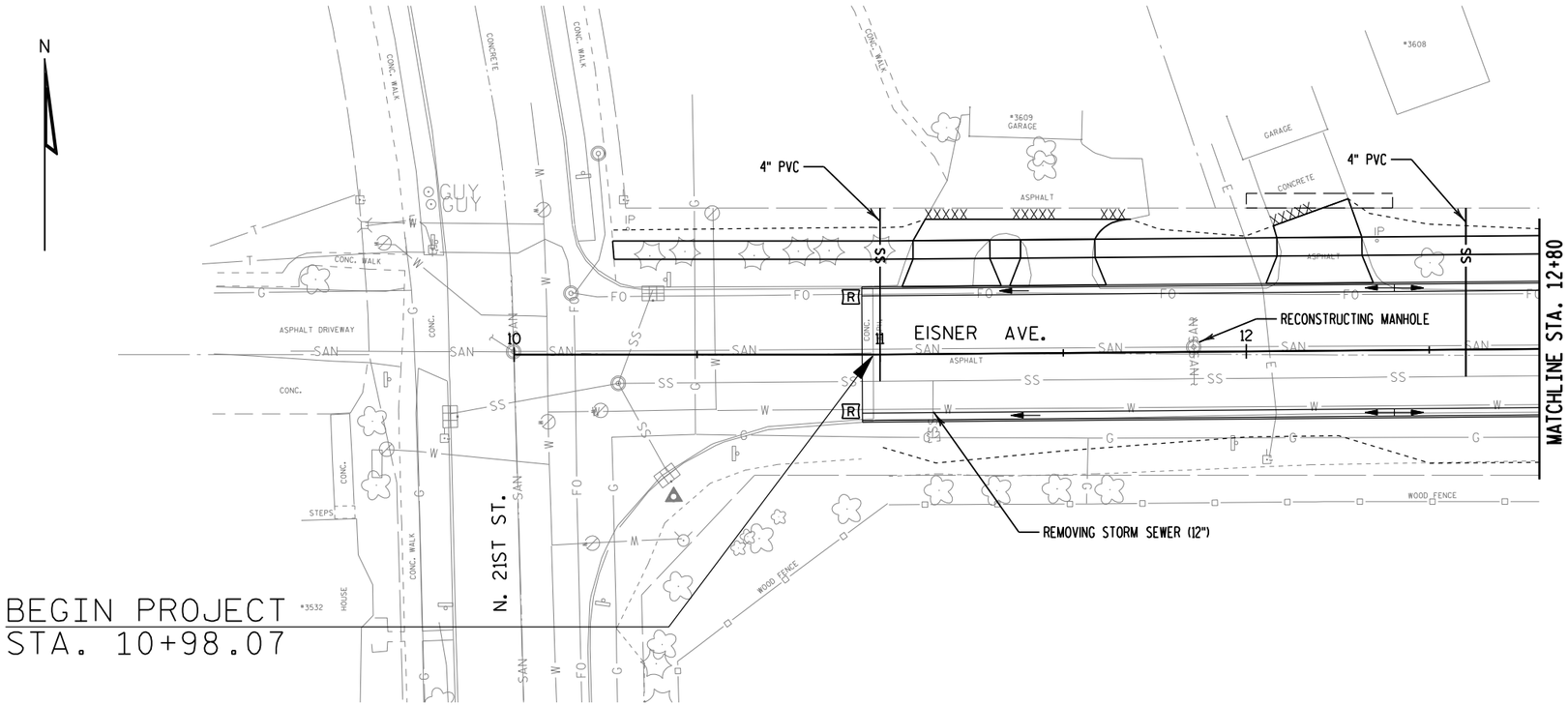
PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE.	COUNTY: SHEBOYGAN	PAVING DETAILS	SHEET 28	E

FILE NAME: l:\work\60164548\000.cadd\civil\021204b_pd.dgn
BATCH PRINT SHEET 13 OF 13
PRINTER DRIVER: L:\library\TPN_CADstds\Workspace-Clients\WisDOT\Microstation\Resources\MS_Printing\Printer_Drivers\ET_PDF_11 x 17.plt
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PLOT DATE: 10/24/2012
PLOT TIME: 10:55:35 AM
PLOT SCALE: 1:40

2

[R] ROCK BAGS

INLET PROTECTION TYPE C REQUIRED AT ALL EXISTING INLETS.
INLET PROTECTION TYPE A REQUIRED AT ALL NEW INLETS PRIOR TO INSTALLING CASTING. AFTER INSTALLING CASTING, INLET PROTECTION TYPE C REQUIRED AT ALL NEW INLETS.

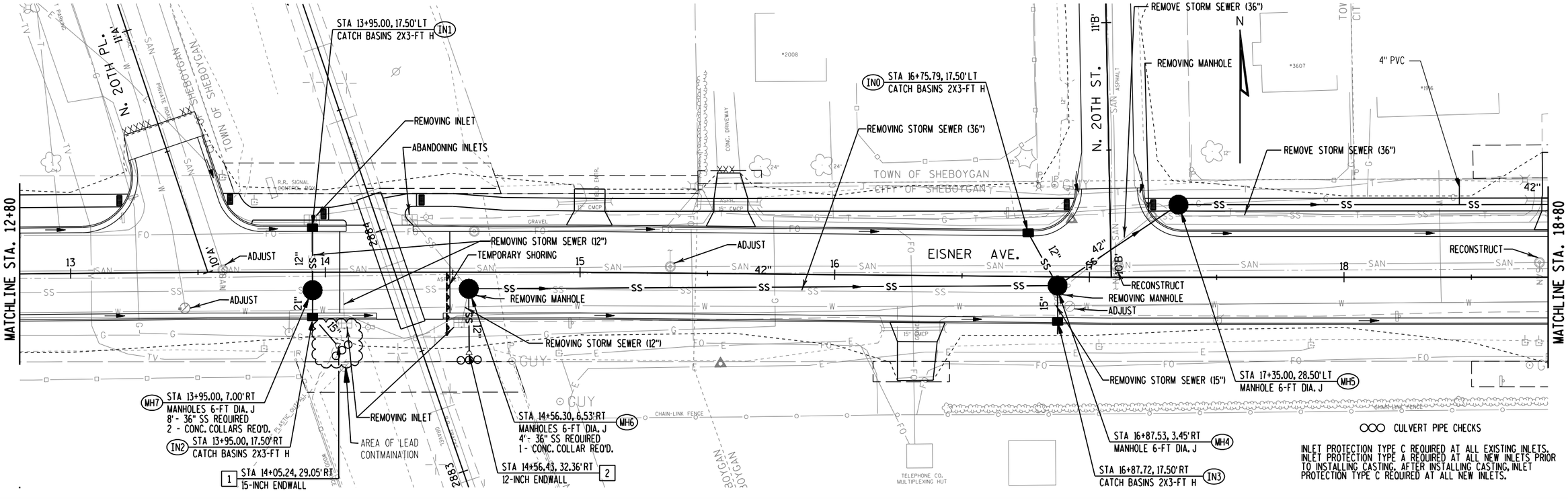


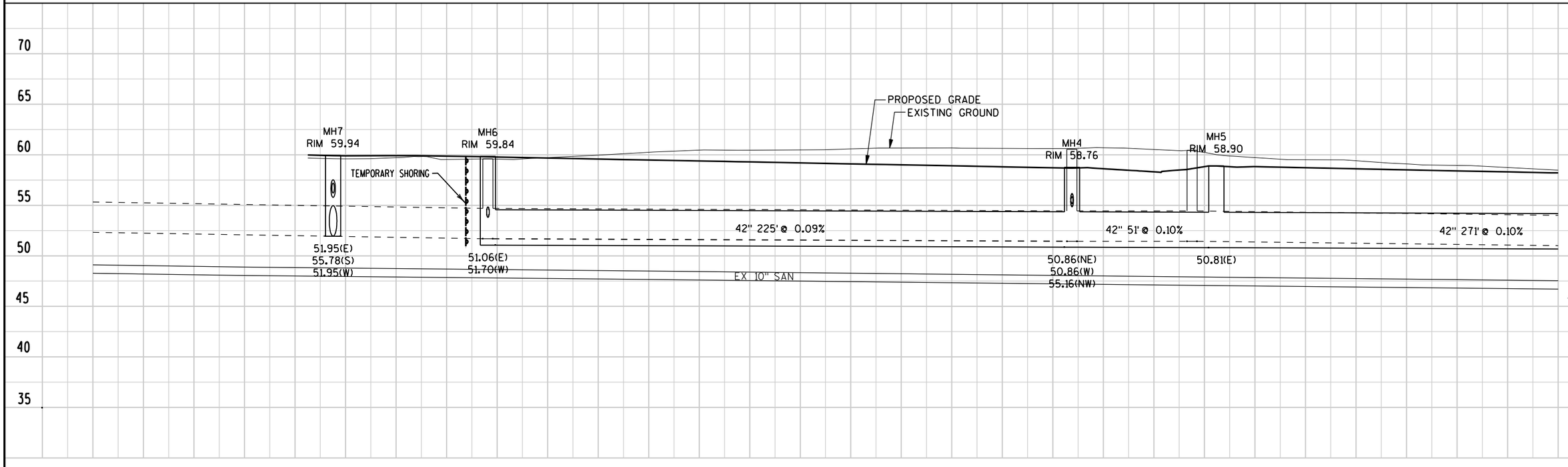
2

80 75 70 65 60 55 50 45

PROJECT NUMBER: 4996-01-56	HWY: EISNER AVENUE	COUNTY: SHEBOYGAN	STORM SEWER AND EROSION CONTROL	SHEET 29	E

2





PROJECT NUMBER: 4996-01-56	HWY: EISNER AVENUE	COUNTY: SHEBOYGAN	STORM SEWER AND EROSION CONTROL	SHEET 30	E

2

80

75

70

65

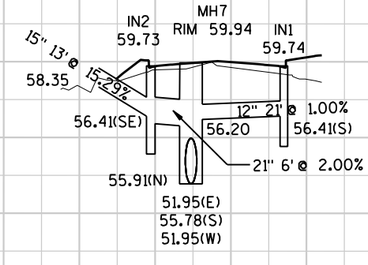
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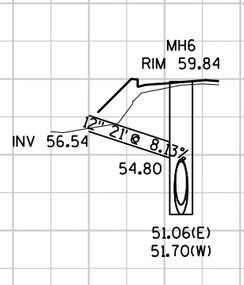
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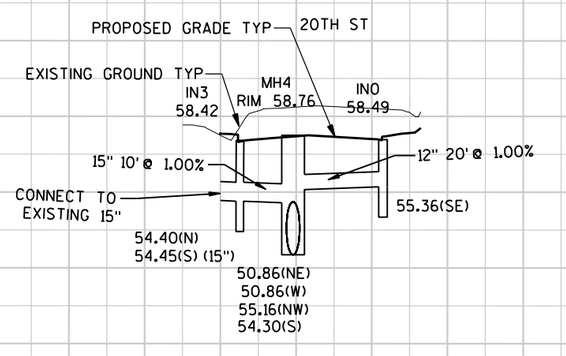
45

WEST SIDE RR



EAST SIDE RR





PROJECT NUMBER: 4996-01-56	HWY: EISNER AVENUE	COUNTY: SHEBOYGAN	STORM SEWER AND EROSION CONTROL	SHEET 31	E

FILE NAME: l:\work\60164548\000.cadd\civil\022504_ss.dgn
BATCH PRINT SHEET 3 OF 26
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PLOT DATE: 10/24/2012
PLOT TIME: 11:05:29 AM
PLOT SCALE: 1:40.0275
WISDOT/CADDS SHEET 41

2

REMOVING STORM SEWER (36")

REMOVING MANHOLE

MH0 STA 21+12.64, 28.50'LT
MANHOLES 8-FT DIA. J
3'- 42" SS REQUIRED
1- CONC. COLLAR REQ'D.

N. 19TH ST.

STA 20+16.07, 17.50'LT MH13
MANHOLES 5-FT DIA. J

REMOVING STORM SEWER (15")

STA 20+67.00, 28.50'LT MH1
MANHOLES 6-FT DIA. J

STA 20+67.00, 17.50'LT IN6
CATCH BASINS 2X3-FT H

ADJUST

REMOVING STORM SEWER (15")

IN7 STA 19+92.06, 17.50'LT
CATCH BASINS 2X3-FT H

4" PVC

4" PVC
WITH
CLEANOUT

CONNECT 3.5" PVC
SUMP PUMP DISCHARGE

CITY OF SHEBOYGA
TOWN OF SHEBOYG.

IN72 STA 23+21.33, 39.87'LT
INLETS MEDIAN 1 GRATE MS

REMOVING STORM
SEWER (30")

MH42 STA 23+15.00, 28.50'LT
MANHOLES 6-FT DIA. J

HUBERT CIRCLE

REMOVING STORM SEWER (24")

STA 23+64.92, 36.80'LT 3
12-INCH ENDWALL

STA 23+71.91, 28.50'LT MH2
MANHOLES 6-FT DIA. J

REMOVING STORM SEWER (15")

STA 23+71.89, 17.50'LT IN9
CATCH BASINS 2X3-FT H

4" PVC

N

MATCHLINE STA. 18+80

MATCHLINE STA. 24+80

EISNER AVE.

RECONSTRUCT

RECONSTRUCT

REMOVING
MANHOLE

RECONSTRUCT

REMOVING STORM SEWER (24")

REMOVING STORM SEWER (15")

REMOVING STORM
SEWER (12")

ADJUST

ADJUST

CONNECT 4" PVC
FROM EX MH TO IN8
54.06 (SW)
53.78 (NE)

APPROX. PRIVATE 4-INCH DRAIN TILE LOCATION
AS PROVIDED BY PLASTICS ENGINEERING COMPANY

IN44 STA 20+27.00, 17.50'RT
CATCH BASINS 2X3-FT H

IN46 STA 20+37.00, 17.50'RT
CATCH BASINS 2X3-FT H

STA 20+47.00, 17.50'RT IN45
CATCH BASINS 2X3-FT H

STA 20+67.00, 17.50'RT IN4
CATCH BASINS 2X3-FT H

STA 20+77.00, 17.50'RT IN5
CATCH BASINS 2X3-FT H

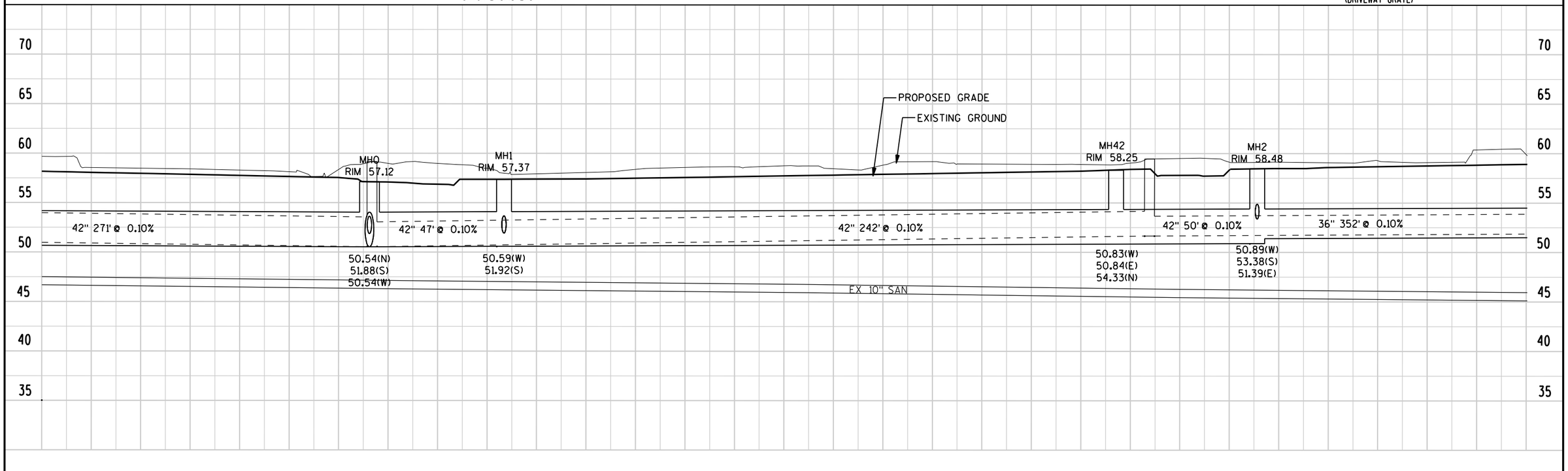
STA 20+87.00, 17.50'RT IN47
CATCH BASINS 2X3-FT H

IN8 STA 23+71.90, 17.50'RT
CATCH BASINS 2X3-FT H

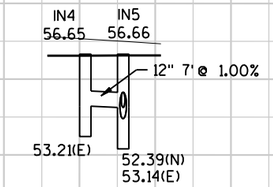
STA 23+81.90, 17.50'RT IN50
CATCH BASINS 2X3-FT H
(DRIVEWAY GRATE)

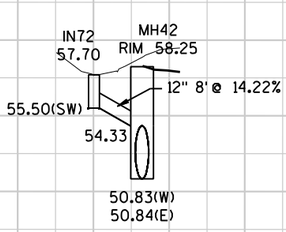
CULVERT PIPE CHECKS

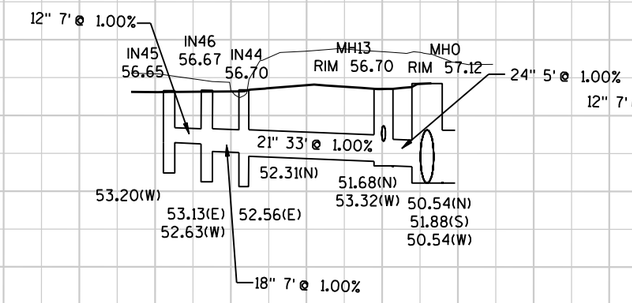
INLET PROTECTION TYPE C REQUIRED AT ALL EXISTING INLETS.
INLET PROTECTION TYPE A REQUIRED AT ALL NEW INLETS PRIOR TO INSTALLING CASTING. AFTER INSTALLING CASTING, INLET PROTECTION TYPE C REQUIRED AT ALL NEW INLETS.

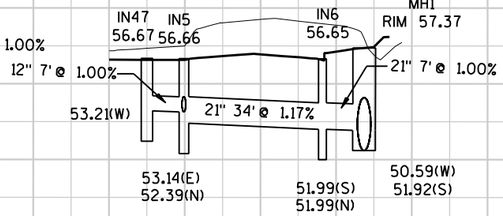


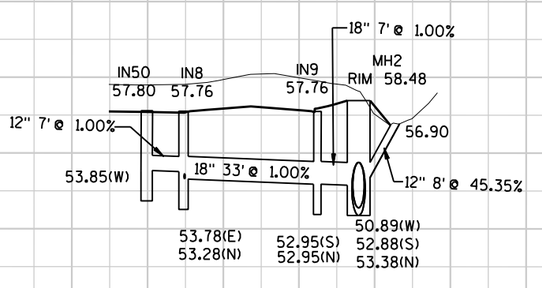
PROJECT NUMBER: 4996-01-56	HWY: EISNER AVENUE	COUNTY: SHEBOYGAN	STORM SEWER AND EROSION CONTROL	SHEET 32	E

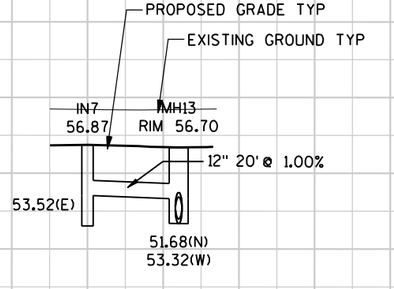








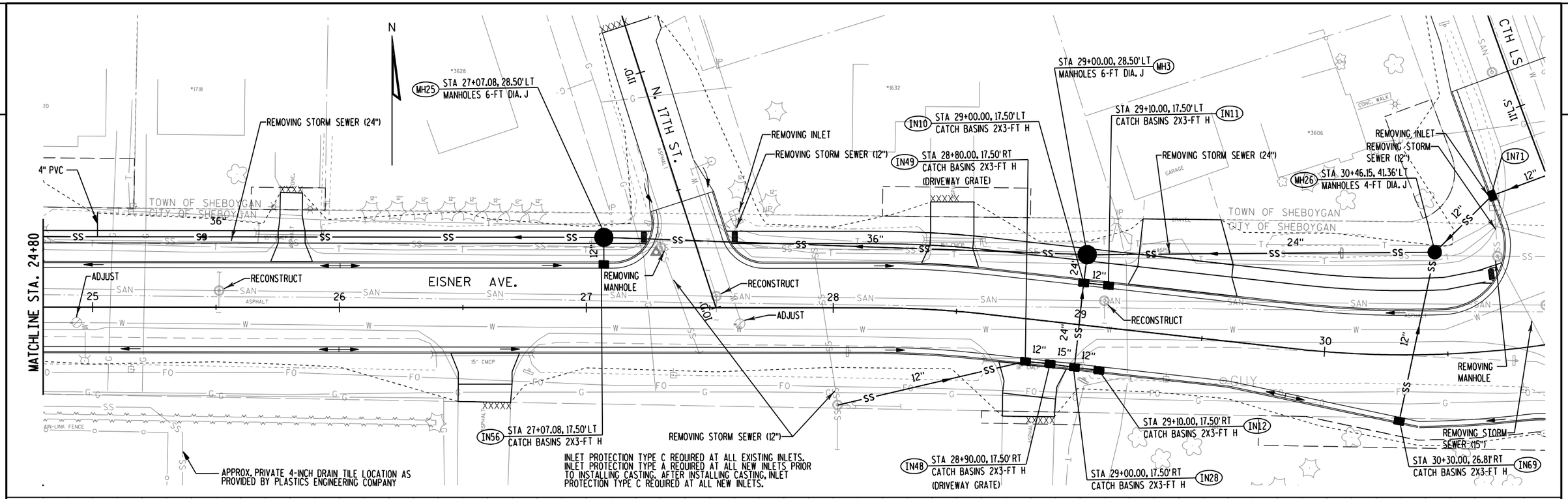


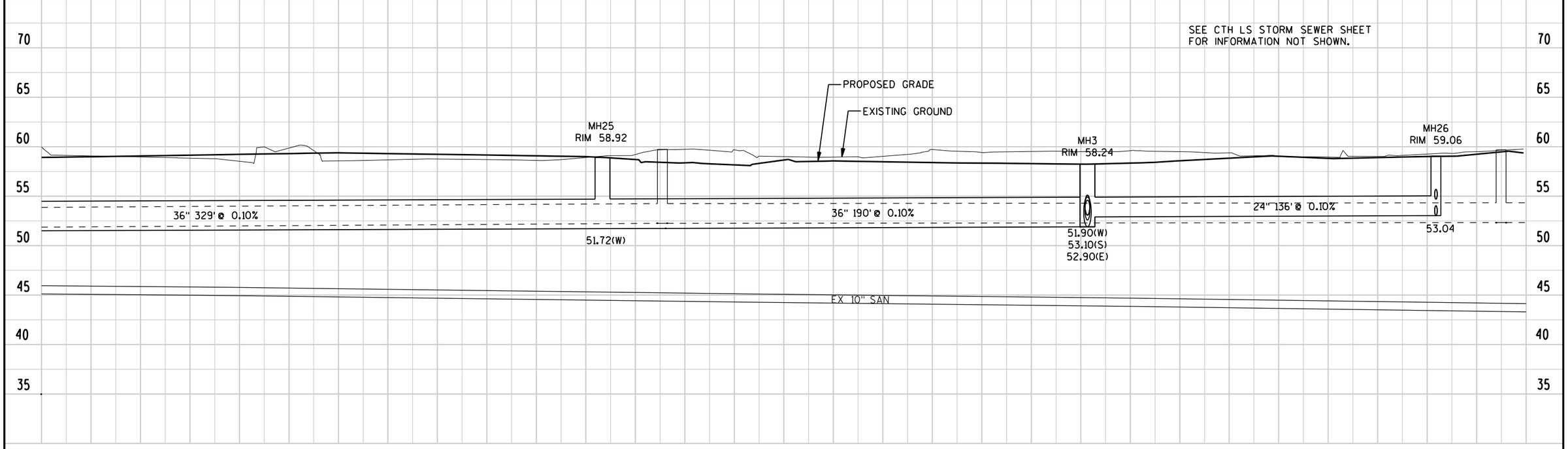


PROJECT NUMBER: 4996-01-56	HWY: EISNER AVENUE	COUNTY: SHEBOYGAN	STORM SEWER AND EROSION CONTROL	SHEET 33	E

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WISDOT/CADDS SHEET 41

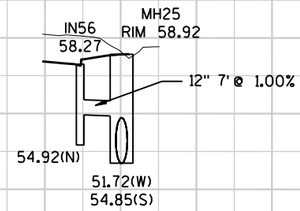
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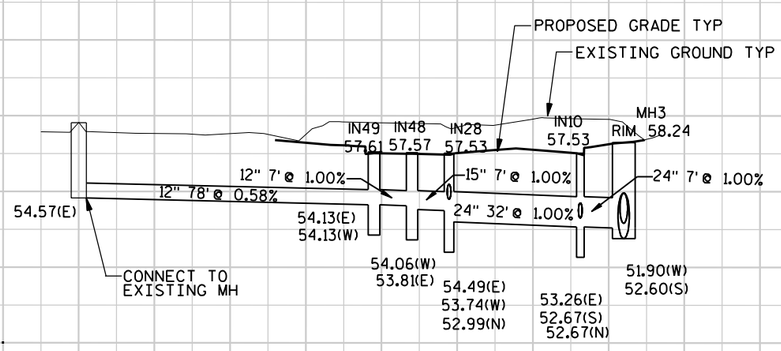


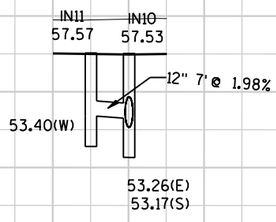


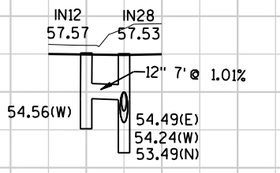
PROJECT NUMBER: 4996-01-56	HWY: EISNER AVENUE	COUNTY: SHEBOYGAN	STORM SEWER AND EROSION CONTROL	SHEET 34	E

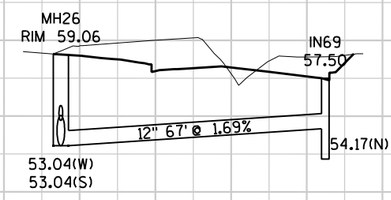
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BATCH PRINT SHEET 6 OF 26
PRINTER DRIVER: L:\library\TPN_CADstds\Workspace-Clients\WisDOT\Microstation\Resources\MS_Printing\Printer_Drivers\ET_PDF_11 x 17.plt
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WISDOT/CADDS SHEET 41











PROJECT NUMBER: 4996-01-56	HWY: EISNER AVENUE	COUNTY: SHEBOYGAN	STORM SEWER AND EROSION CONTROL	SHEET 35	E

2

INLET PROTECTION TYPE C REQUIRED AT ALL EXISTING INLETS.
INLET PROTECTION TYPE A REQUIRED AT ALL NEW INLETS PRIOR TO INSTALLING CASTING. AFTER INSTALLING CASTING, INLET PROTECTION TYPE C REQUIRED AT ALL NEW INLETS.

N

STA 31+48.85, 11.00'LT
MANHOLES 4-FT DIA. J
MH34

STA 32+81.93, 11.00'LT
MAHOLES 4-FT DIA. J
MH8

STA 35+25.00, 11.00'LT
MANHOLES 4-FT DIA. J
MH9

STA 32+81.93, 17.95'LT
CATCH BASINS 2X3-FT H
IN13

STA 32+81.93, 17.50'RT
CATCH BASINS 2X3-FT H
IN14

STA 34+00.00, 17.50'RT
CATCH BASINS 2X3-FT H
IN65

STA 35+15.00, 17.50'RT
CATCH BASINS 2X3-FT H
IN66

STA 35+25.00, 17.50'RT
CATCH BASINS 2X3-FT H
IN15

STA 35+25.00, 17.50'LT
CATCH BASINS 2X3-FT H
IN16

IN70
IN53
IN54
MH40

CTH LS
LAKESHORE RD.
KOEHLER DR.
EISNER AVE.

TOWN OF SHEBOYGAN
CITY OF SHEBOYGC

REMOVING STORM SEWER (24")
REMOVING MANHOLE
ADJUST
RECONSTRUCT
REMOVING STORM SEWER (12")
REMOVING INLET
REMOVING STORM SEWER (15")
REMOVING STORM SEWER (18")
REMOVING MANHOLE
REMOVING INLET
ADJUST
RECONSTRUCT
ADJUST
REMOVING INLET

MATCHLINE STA. 36+80

SEE CTH LS STORM SEWER SHEET FOR INFORMATION NOT SHOWN.

PROPOSED GRADE
EXISTING GROUND

MH34
RIM 58.46
51.53(E)

MH8
RIM 57.54
50.78(E)
54.38(S)

MH9
RIM 56.20
48.83(E)
51.88(S)
49.33(W)

18" 131' @ 0.57%
EX 12" WM
18" 241' @ 0.60%
EX 8" SAN
24" 270' @ 0.48%

PROJECT NUMBER: 4996-01-56	HWY: EISNER AVENUE	COUNTY: SHEBOYGAN	STORM SEWER AND EROSION CONTROL	SHEET 36	E

2

80

75

70

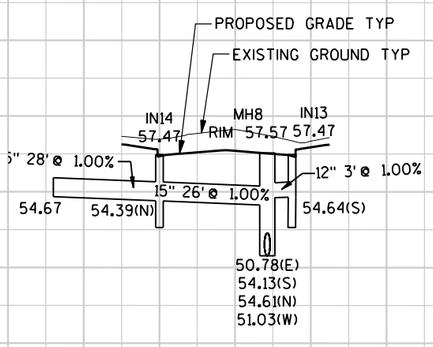
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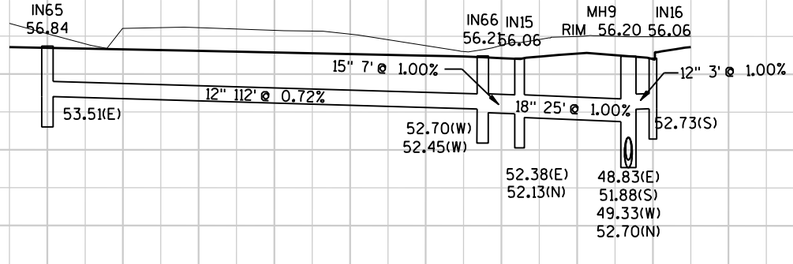
60

55

50

45





PROJECT NUMBER: 4996-01-56	HWY: EISNER AVENUE	COUNTY: SHEBOYGAN	STORM SEWER AND EROSION CONTROL	SHEET 37	E

2

INLET PROTECTION TYPE C REQUIRED AT ALL EXISTING INLETS.
INLET PROTECTION TYPE A REQUIRED AT ALL NEW INLETS PRIOR TO INSTALLING CASTING. AFTER INSTALLING CASTING, INLET PROTECTION TYPE C REQUIRED AT ALL NEW INLETS.

N

MATCHLINE STA. 36+80

MATCHLINE STA. 24+80

REMOVING MANHOLE

4" PVC

IN17 STA 38+00.00, 17.50'LT
CATCH BASINS 2X3-FT H

MH27 STA 38+00.00, 11.00'LT
MANHOLES 6-FT DIA. J

REMOVING STORM SEWER (18")

REMOVING INLET

IN64 STA 37+75.00, 34.00'RT
INLETS MEDIAN 1 GRATE MS

CONNECT 2-4" PVC SUMP PUMP LINES

STA 38+00.00, 17.50'RT
MANHOLE 4-FT DIA. H IN18

N. 14TH ST.

CITY OF SHEBOYGAN
TOWN OF SHEBOYGAN

ADJUST

IN19 STA 39+21.25, 17.50'RT
CATCH BASINS 2X3-FT H

IN22 STA 39+30.25, 17.50'LT
CATCH BASINS 2X3-FT H

MH39 STA 39+26.13, 24.00'LT
MANHOLES 4-FT DIA. J
CONC. COLLAR REQ'D.

IN21 STA 39+24.25, 17.50'LT
CATCH BASINS 2X3-FT H

REMOVING STORM SEWER (12")

REMOVING MANHOLE

REMOVING STORM SEWER (36")

STA 39+30.25, 11.00'LT
MANHOLES 6-FT DIA. J MH11

STA 39+76.39, 11.00'LT
MANHOLES 6-FT DIA. J MH38

STA 39+76.39, 23.00'RT
MANHOLES 4-FT DIA. L MH16

STA 39+30.25, 17.50'RT
CATCH BASINS 2X3-FT H
(DRIVEWAY GRATE) IN20

REMOVING STORM SEWER (24")

EISNER AVE.

REMOVING STORM SEWER (15")

IN24 STA 42+63.77, 17.50'LT
CATCH BASINS 2X3-FT H

REMOVING MANHOLE

MH23 STA 42+53.00, 11.00'LT
MANHOLES 6-FT DIA. J

MH12 STA 42+00.00, 11.00'LT
MANHOLES 6-FT DIA. J

REMOVING INLET

ADJUST

IN43 STA 41+60.00, 33.92'RT
INLETS MEDIAN 2 GRATE MS

4" PVC WITH CLEANOUT

ADJUST

REMOVING STORM SEWER (12")

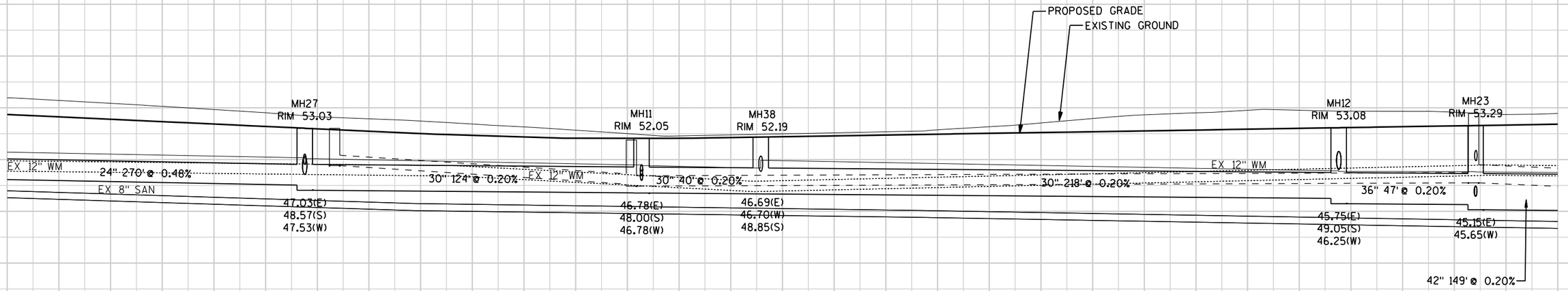
REMOVING INLET

STA 42+00.00, 17.50'RT
MANHOLES 4-FT DIA. H IN23

N. 13TH ST.

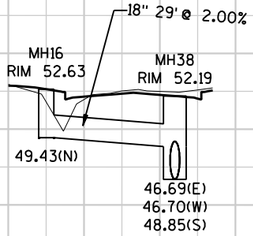
REMOVING STORM SEWER (12")

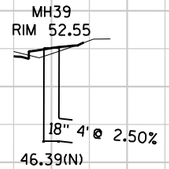
REMOVING INLET

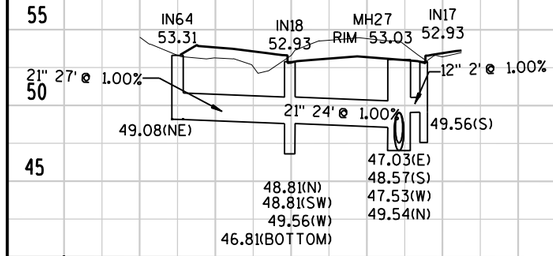


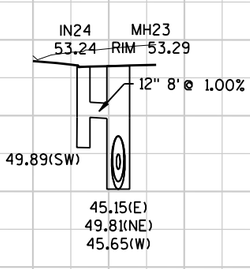
PROJECT NUMBER: 4996-01-56	HWY: EISNER AVENUE	COUNTY: SHEBOYGAN	STORM SEWER AND EROSION CONTROL	SHEET 38	E

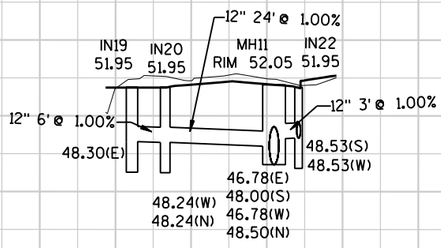
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PLOT TIME: 11:05:58 AM
PLOT SCALE: 1:40
WISDOT/CADDS SHEET 41

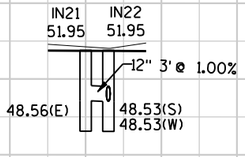

18" 29' @ 2.00%
MH16
RIM 52.63
MH38
RIM 52.19
49.43(N)
46.69(E)
46.70(W)
48.85(S)

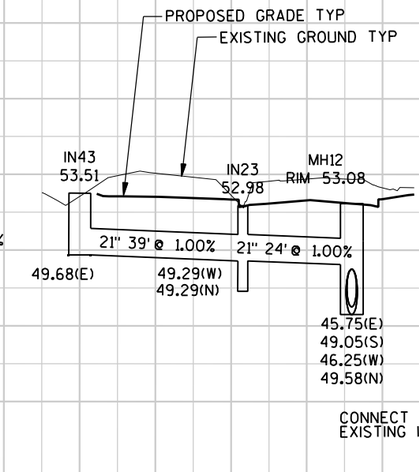

MH39
RIM 52.55
18" 4' @ 2.50%
46.39(N)

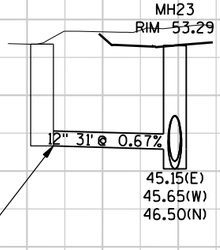

IN64
53.31
IN18
52.93
MH27
RIM 53.03
IN17
52.93
21" 27' @ 1.00%
12" 2' @ 1.00%
21" 24' @ 1.00%
49.08(NE)
49.56(S)
47.03(E)
48.57(S)
47.53(W)
49.54(N)
48.81(N)
48.81(SW)
49.56(W)
46.81(BOTTOM)

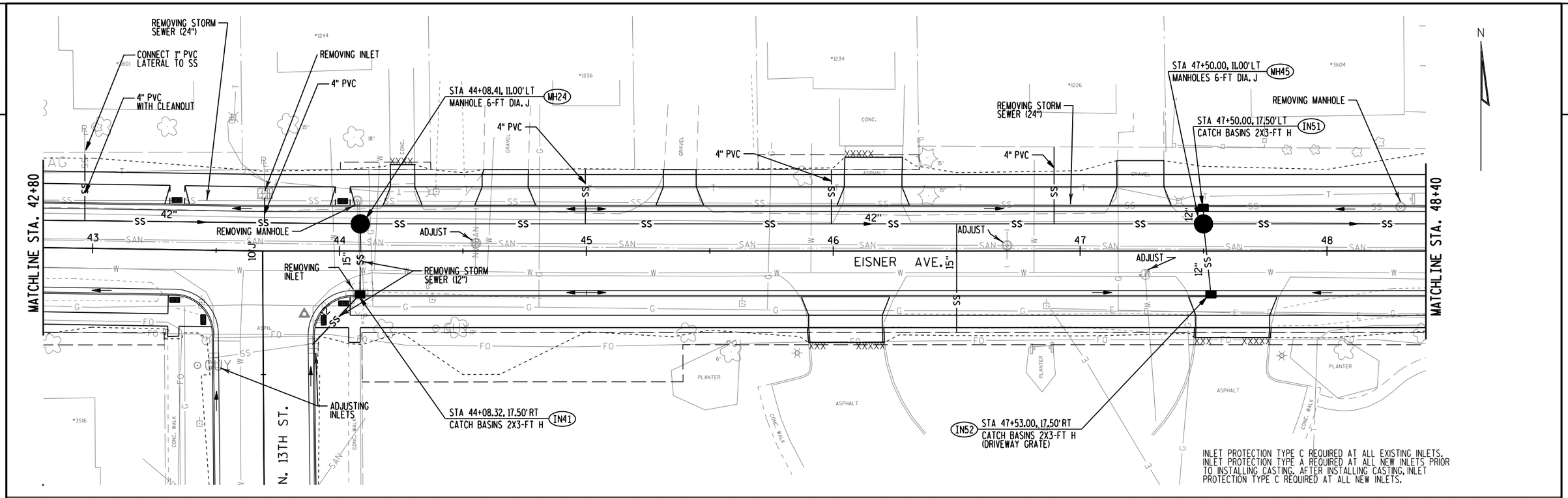

IN24
53.24
MH23
RIM 53.29
12" 8' @ 1.00%
49.89(SW)
45.15(E)
49.81(NE)
45.65(W)


12" 24' @ 1.00%
IN19
51.95
IN20
51.95
MH11
RIM 52.05
IN22
51.95
12" 6' @ 1.00%
12" 3' @ 1.00%
48.30(E)
48.53(S)
48.53(W)
46.78(E)
48.00(S)
46.78(W)
48.50(N)
48.24(W)
48.24(N)

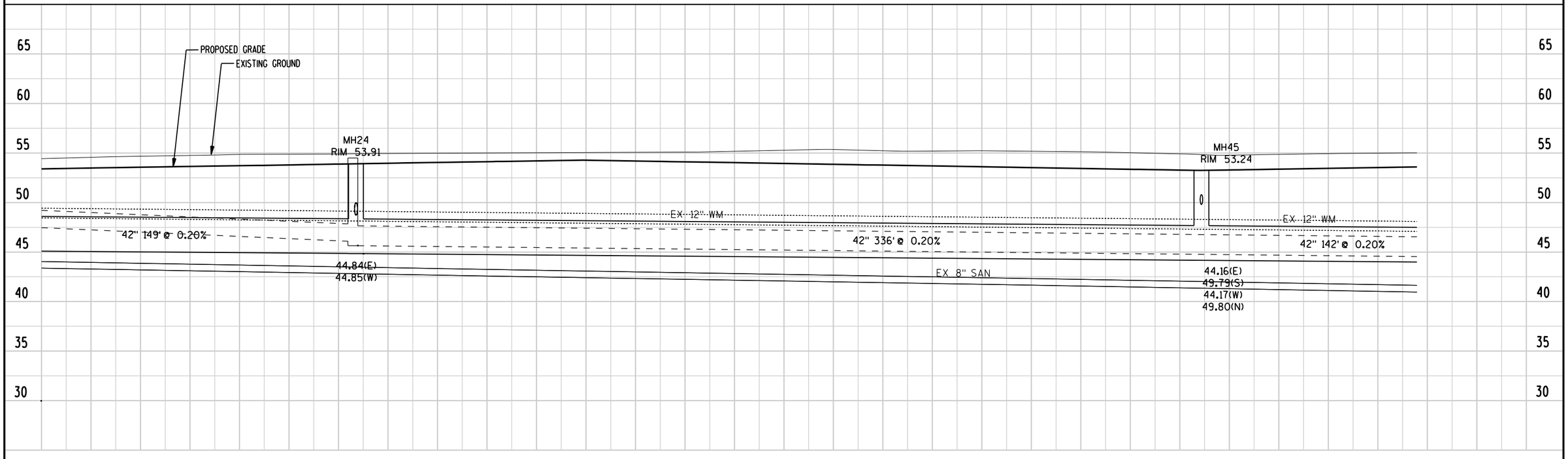

IN21
51.95
IN22
51.95
12" 3' @ 1.00%
48.56(E)
48.53(S)
48.53(W)


PROPOSED GRADE TYP
EXISTING GROUND TYP
IN43
53.51
IN23
52.98
MH12
RIM 53.08
21" 39' @ 1.00%
21" 24' @ 1.00%
49.68(E)
49.29(W)
49.29(N)
45.75(E)
49.05(S)
46.25(W)
49.58(N)
CONNECT TO
EXISTING INLET

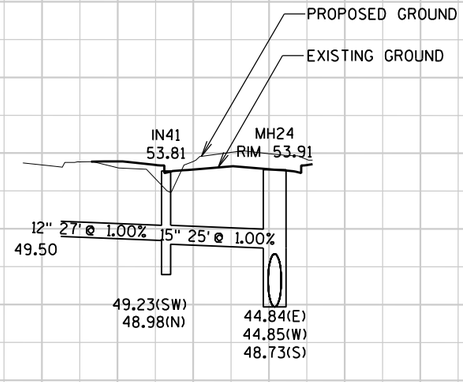

MH23
RIM 53.29
12" 31' @ 0.67%
45.15(E)
45.65(W)
46.50(N)

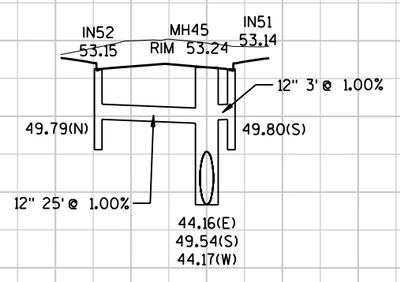


INLET PROTECTION TYPE C REQUIRED AT ALL EXISTING INLETS. INLET PROTECTION TYPE A REQUIRED AT ALL NEW INLETS PRIOR TO INSTALLING CASTING. AFTER INSTALLING CASTING, INLET PROTECTION TYPE C REQUIRED AT ALL NEW INLETS.



PROJECT NUMBER: 4996-01-56	HWY: EISNER AVENUE	COUNTY: SHEBOYGAN	STORM SEWER AND EROSION CONTROL	SHEET 40	E

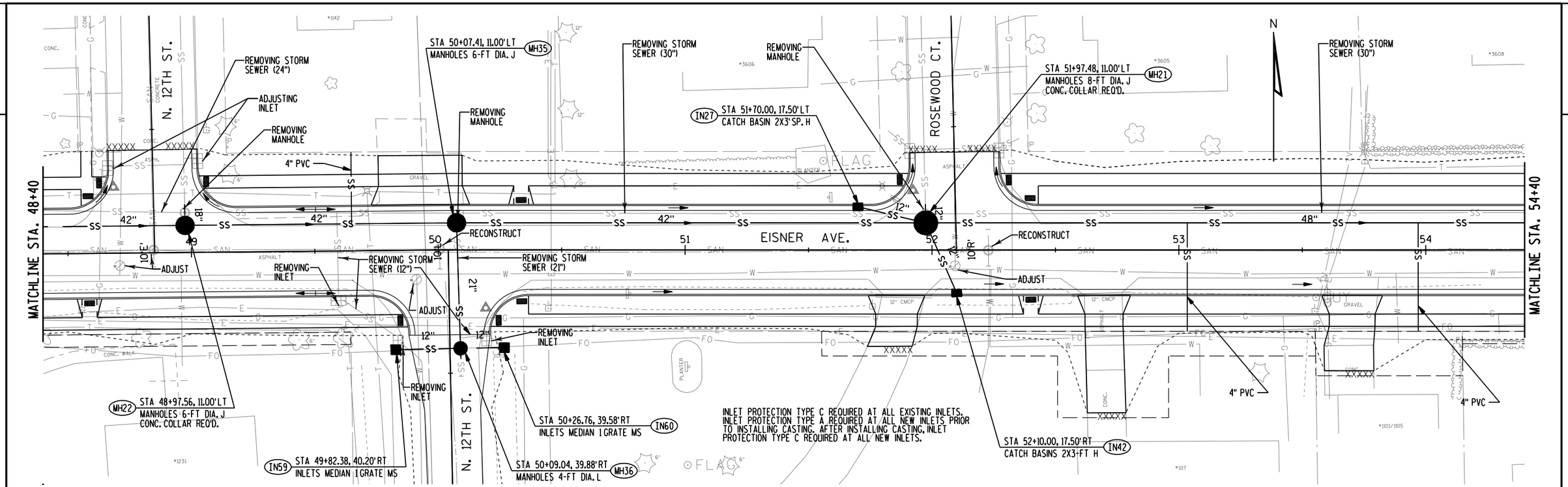


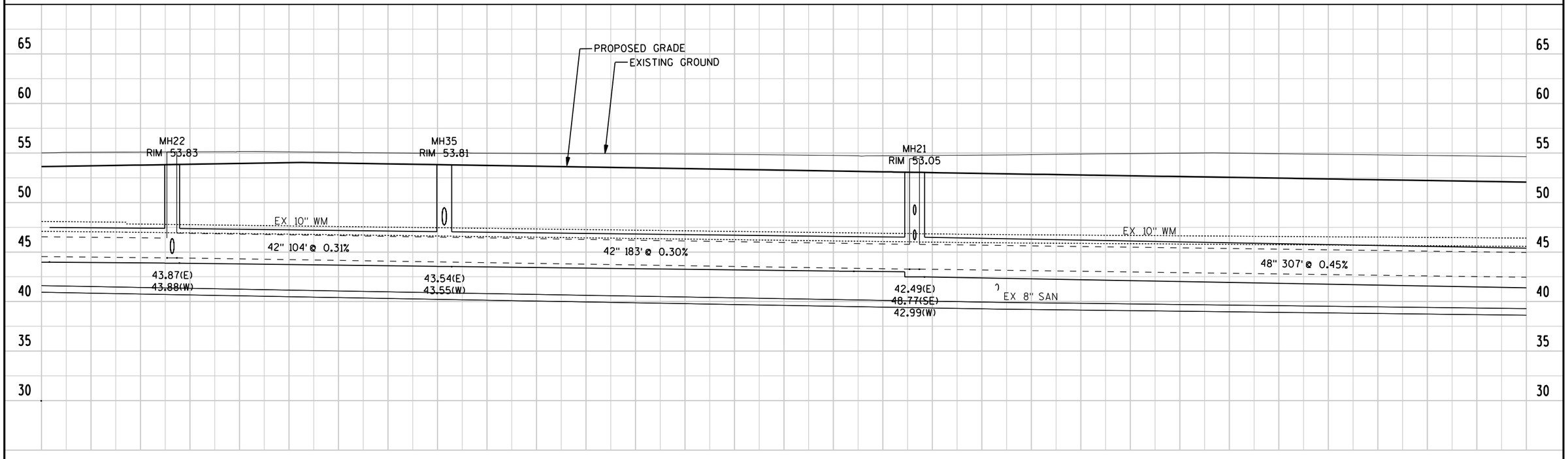


PROJECT NUMBER: 4996-01-56	HWY: EISNER AVENUE	COUNTY: SHEBOYGAN	STORM SEWER AND EROSION CONTROL	SHEET 41	E

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WISDOT/CADDS SHEET 41

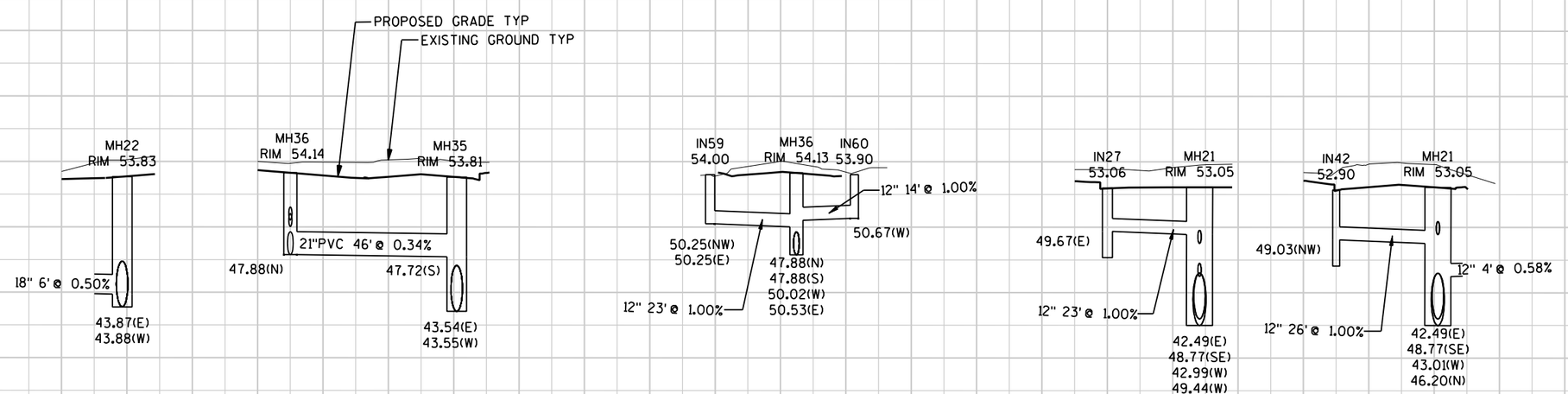
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PROJECT NUMBER: 4996-01-56	HWY: EISNER AVENUE	COUNTY: SHEBOYGAN	STORM SEWER AND EROSION CONTROL	SHEET 42	E

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WISDOT/CADDS SHEET 41



PROJECT NUMBER: 4996-01-56	HWY: EISNER AVENUE	COUNTY: SHEBOYGAN	STORM SEWER AND EROSION CONTROL	SHEET 43	E

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PLOT TIME: 11:06:18 AM
PLOT SCALE: 1:40.0275
WISDOT/CADDS SHEET 41

2

MATCHLINE STA. 54+40

MATCHLINE STA. 60+40

HIGHCLIFF CT.

EISNER AVE.

N. 10TH ST.

MH15 STA 55+10.00, 11.00'LT
MANHOLES VARIABLE TEE 4-FT DIA. J

IN30 STA 55+10.00, 17.50'LT
CATCH BASINS 2X3-FT H

REMOVING INLET

REMOVING INLET

REMOVING STORM SEWER (30")

REMOVING MANHOLE

MH20 STA 55+93.75, 11.00'LT
MANHOLES 7-FT DIA. J
CONC. COLLAR REQ'D.

REMOVING STORM SEWER (36")

REMOVING MANHOLE

IN32 STA 58+63.36, 17.50'LT
CATCH BASINS 2X3-FT H

REMOVING STORM SEWER (12")

MH19 STA 58+73.05, 11.00'LT
MANHOLES 8-FT DIA. J
CONC. COLLAR REQ'D.

RECONSTRUCT

6" PVC

ADJUST

RECONSTRUCT

RECONSTRUCT

4" PVC

REMOVING INLET

RECONSTRUCT

REMOVING STORM SEWER (18")

ADJUST

REMOVING STORM SEWER (12")

CONNECT 6" LATERAL TO SS

REMOVING INLET

STA 55+10.00, 17.50'RT
CATCH BASINS 2X3-FT H IN29

IN31 STA 58+42.00, 17.50'RT
CATCH BASINS 2X3-FT H

REMOVING INLET

IN62 STA 58+69.36, 38.31'RT
CATCH BASINS 2X3-FT H

MH43 STA 58+74.05, 48.55'RT
MANHOLES 4-FT DIA. J
CONC. COLLAR REQ'D.

REMOVING INLET

STA 59+08.34, 37.69'RT
CATCH BASINS 2X3-FT H IN63

REMOVING STORM SEWER (12")

STA 58+79.88, 38.06'RT
MANHOLES 4-FT DIA. J MH37

INLET PROTECTION TYPE C REQUIRED AT ALL EXISTING INLETS.
INLET PROTECTION TYPE A REQUIRED AT ALL NEW INLETS PRIOR TO INSTALLING CASTING. AFTER INSTALLING CASTING, INLET PROTECTION TYPE C REQUIRED AT ALL NEW INLETS.

PROPOSED GRADE
EXISTING GROUND

MH15
RIM 51.80

MH20
RIM 51.47

MH19
RIM 50.34

EX 10" WM

EX 10" WM

EX 8" WM

48" 307' @ 0.45%

48" 78' @ 0.45%

48" 279' @ 0.45%

48" 221' @ 0.50%

41.11(E)
48.08(S)
41.11(W)

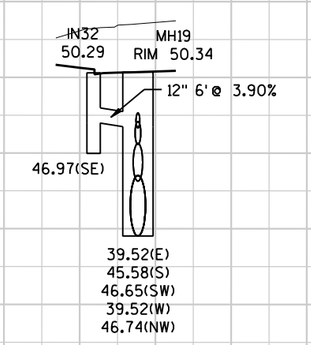
40.75(E)
40.76(W)

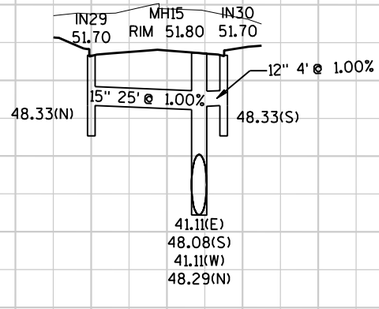
EX 8" SAN

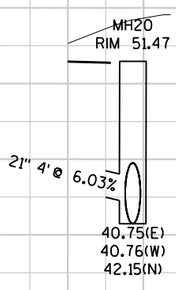
39.52(E)
45.51(S)
39.54(W)

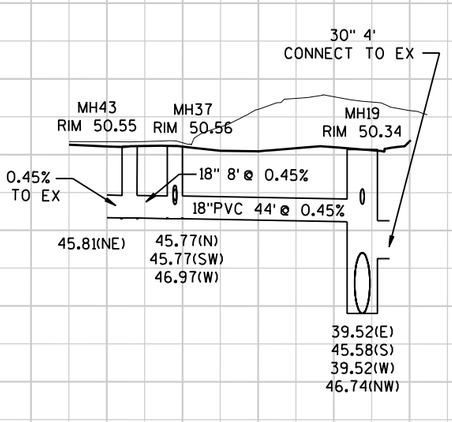
60
55
50
45
40
35
30
25

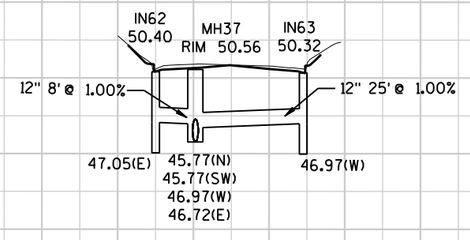
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WISDOT/CADDS SHEET 41

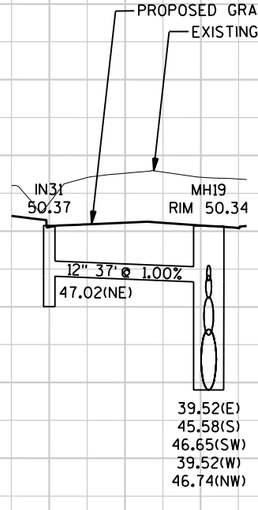












PROJECT NUMBER: 4996-01-56	HWY: EISNER AVENUE	COUNTY: SHEBOYGAN	STORM SEWER AND EROSION CONTROL	SHEET 45	E

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PLOT TIME: 11:06:26 AM
PLOT SCALE: 1:40.0275
WISDOT/CADDS SHEET 41

2

MATCHLINE STA. 60+40

STA 61+00.00, 17.50'LT
CATCH BASINS 2X3-FT H IN34

STA 61+00.00, 11.00'LT
MANHOLES VARIABLE TEE 4-FT DIA. J MH17

RECONSTRUCT

STA 61+00.00, 17.50'RT
CATCH BASINS 2X3-FT H IN33

REMOVING STORM SEWER (36")

4" PVC

RECONSTRUCT

STA 63+65.64, 73.58'LT
MANHOLES 8-FT DIA. J MH18

STA 63+78.66, 45.34'LT
INLETS MEDIAN I.GRATE MS IN25

REMOVING STORM SEWER (12")

REMOVING INLET

STA 63+65.60, 17.50'LT
CATCH BASINS 2X3-FT H IN36

STA 63+65.60, 17.50'RT
CATCH BASINS 2X3-FT H IN35

N. 8TH ST.

REMOVING MANHOLE

STA 10'0'+61.07, 8.42'LT
MANHOLES 8-FT DIA. J MH32

REMOVING STORM SEWER (36")

RECONSTRUCT

ADJUST

REMOVING INLET

MH33

EISNER AVE.

R ROCK BAGS

INLET PROTECTION TYPE C REQUIRED AT ALL EXISTING INLETS. INLET PROTECTION TYPE A REQUIRED AT ALL NEW INLETS PRIOR TO INSTALLING CASTING. AFTER INSTALLING CASTING, INLET PROTECTION TYPE C REQUIRED AT ALL NEW INLETS.

N

PROPOSED GRADE
EXISTING GROUND

MH17
RIM 49.44

MH18
RIM 49.28

MH32
RIM 46.59

EX 8" WM

48" 287' @ 0.50%

48" 287' @ 0.50%

38"X60" 85' @ 0.65%

48" 351' @ 1.24%

38.41(E)
45.70(S)
38.41(W)

EX 8" SAN

36.97(E)
36.97(W)

EX 8" SAN

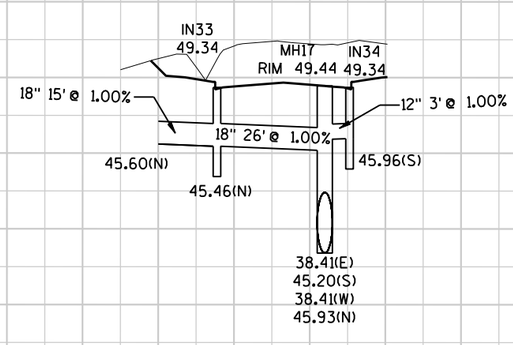
EX 14" FM

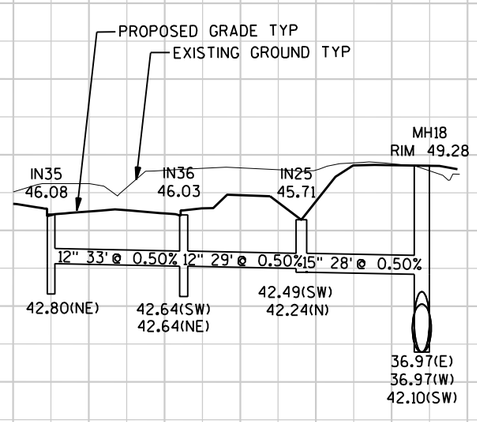
35.59(E)
36.42(W)

EX 14" FM

PROJECT NUMBER: 4996-01-56	HWY: EISNER AVENUE	COUNTY: SHEBOYGAN	STORM SEWER AND EROSION CONTROL	SHEET 46	E

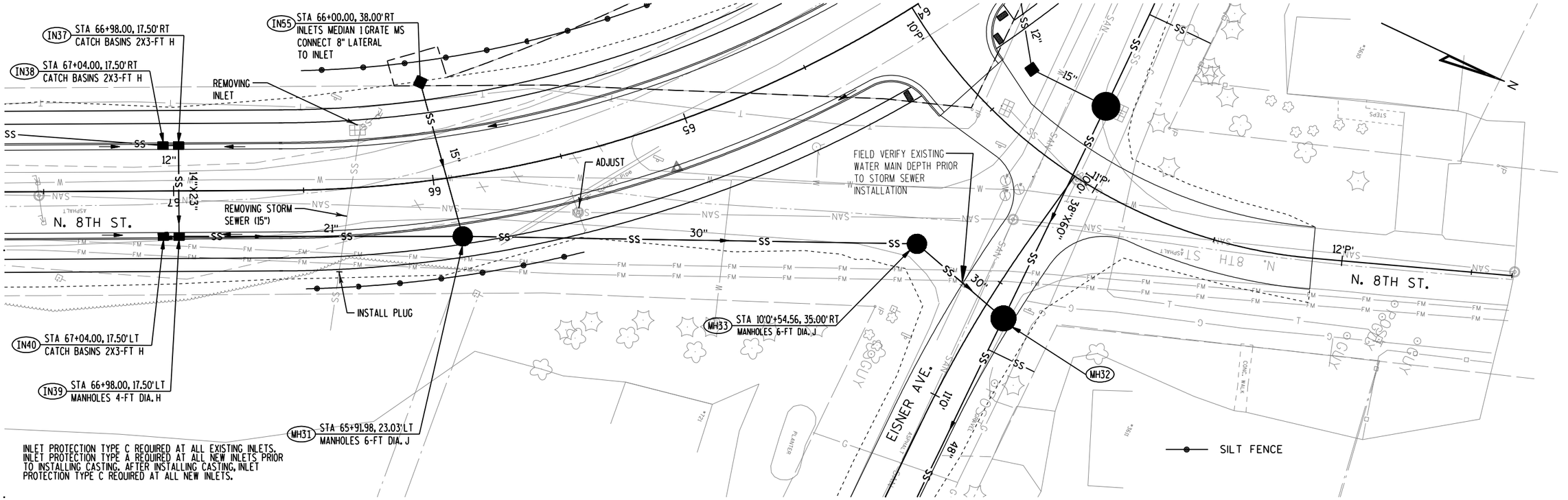
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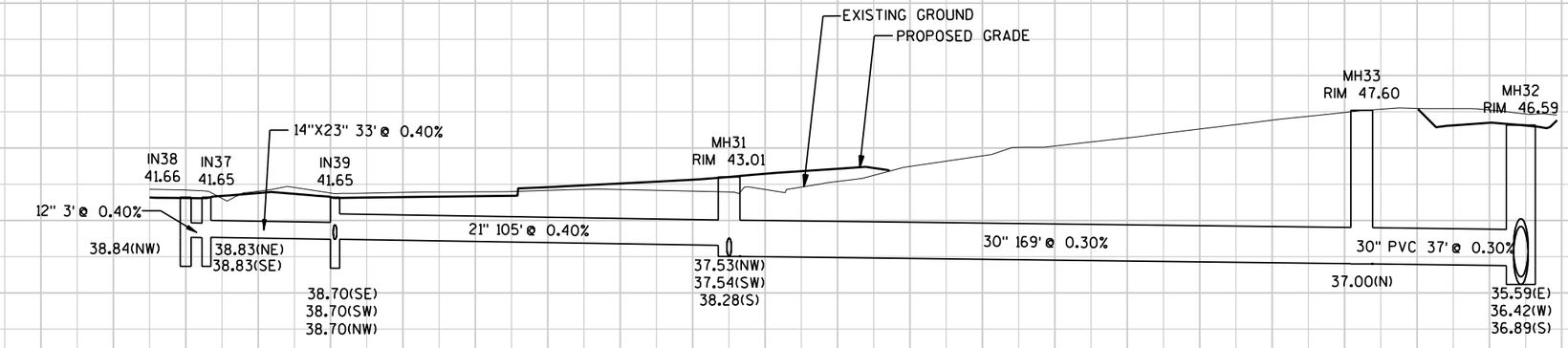




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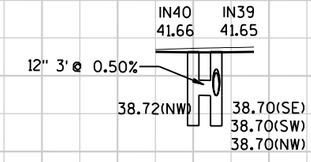
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WISDOT/CADDS SHEET 41

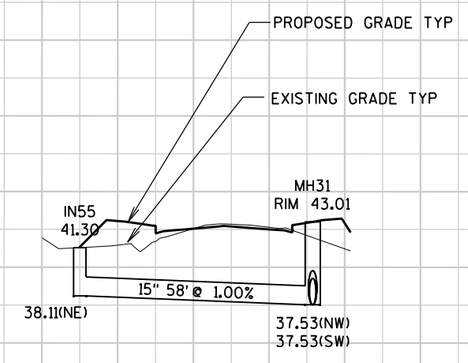




PROJECT NUMBER: 4996-01-56	HWY: EISNER AVENUE	COUNTY: SHEBOYGAN	STORM SEWER AND EROSION CONTROL	SHEET 48	E

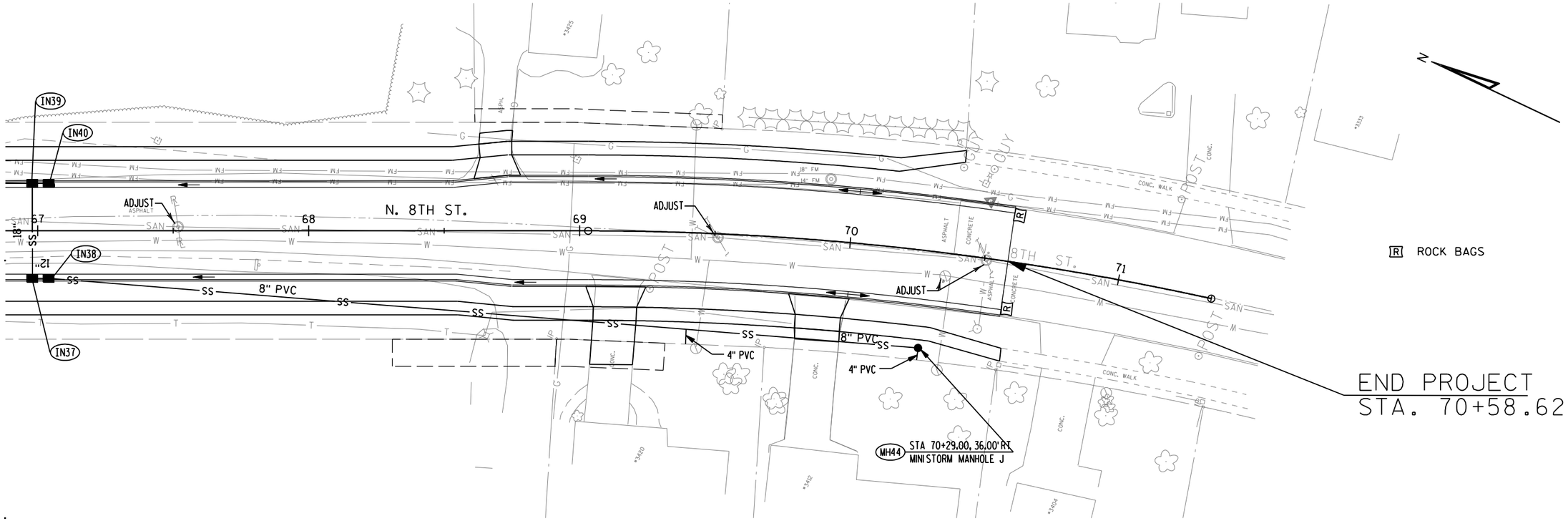
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BATCH PRINT SHEET 20 OF 26
PRINTER DRIVER: L:\library\TPN_CADstds\Workspace-Clients\WisDOT\Microstation\Resources\MS_Printing\Printer_Drivers\ET_PDF_11 x 17.plt
PEN TABLE: L:\work\60164548\000_CADD\CIVIL\MS_Printing\Pen_Tables\ET_WisDOT.tbl
PLOT DATE: 2/1/2013
PLOT TIME: 3:08:39 PM
PLOT SCALE: 1:40
WISDOT/CADDS SHEET 40

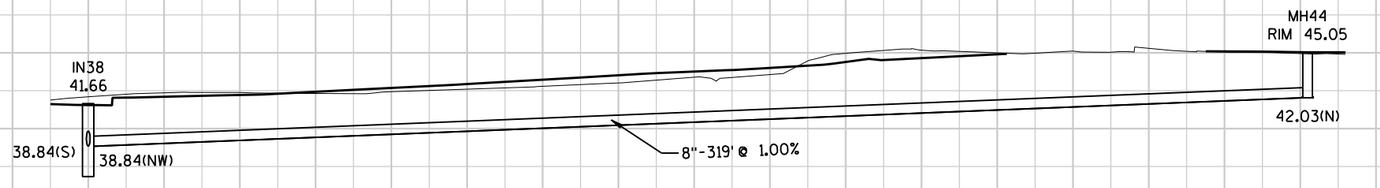




PROJECT NUMBER: 4996-01-56	HWY: EISNER AVENUE	COUNTY: SHEBOYGAN	STORM SEWER AND EROSION CONTROL	SHEET 49	E

FILE NAME: l:\work\60164548\000.cadd\civil\022522_ss.dgn
BATCH PRINT SHEET 21 OF 26
PRINTER DRIVER: L:\library\TPN_CADstds\Workspace-Clients\WisDOT\Microstation\Resources\MS_Printing\Printer_Drivers\ET_PDF_11 x 17.plt
PEN TABLE: L:\work\60164548\000.CADD\CIVIL\MS_Printing\Pen_Tables\ET_WisDOT.tbl
PLOT DATE: 10/24/2012
PLOT TIME: 11:06:42 AM
PLOT SCALE: 1:40.0275
WISDOT/CADDS SHEET 41

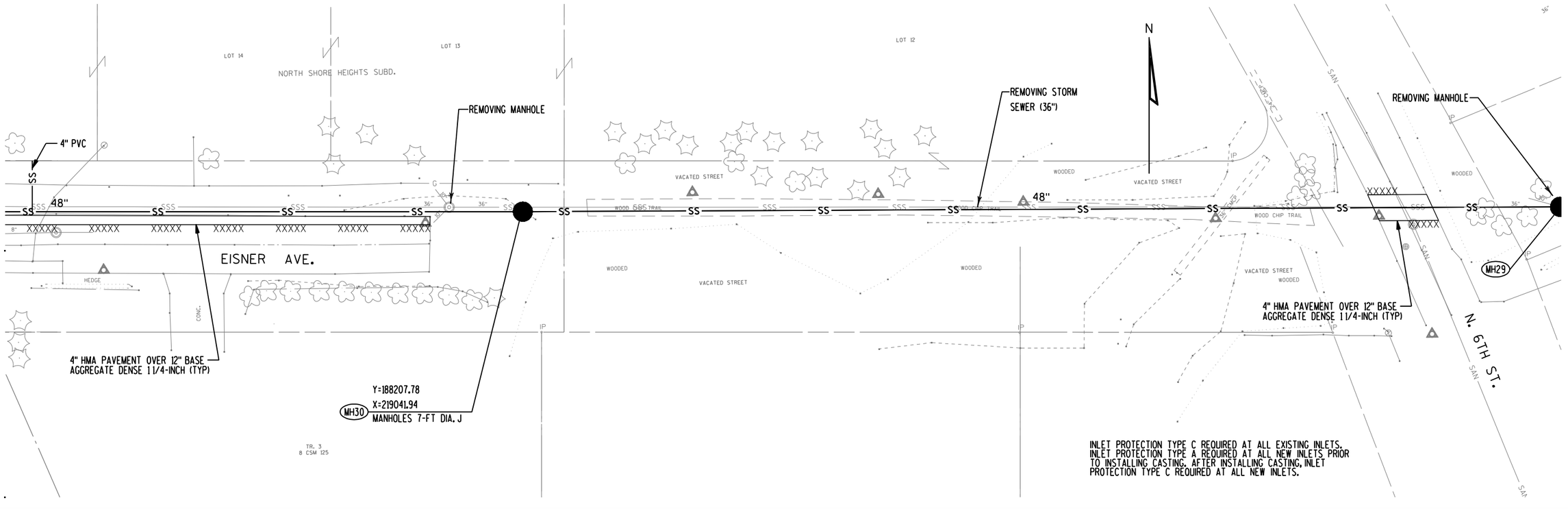


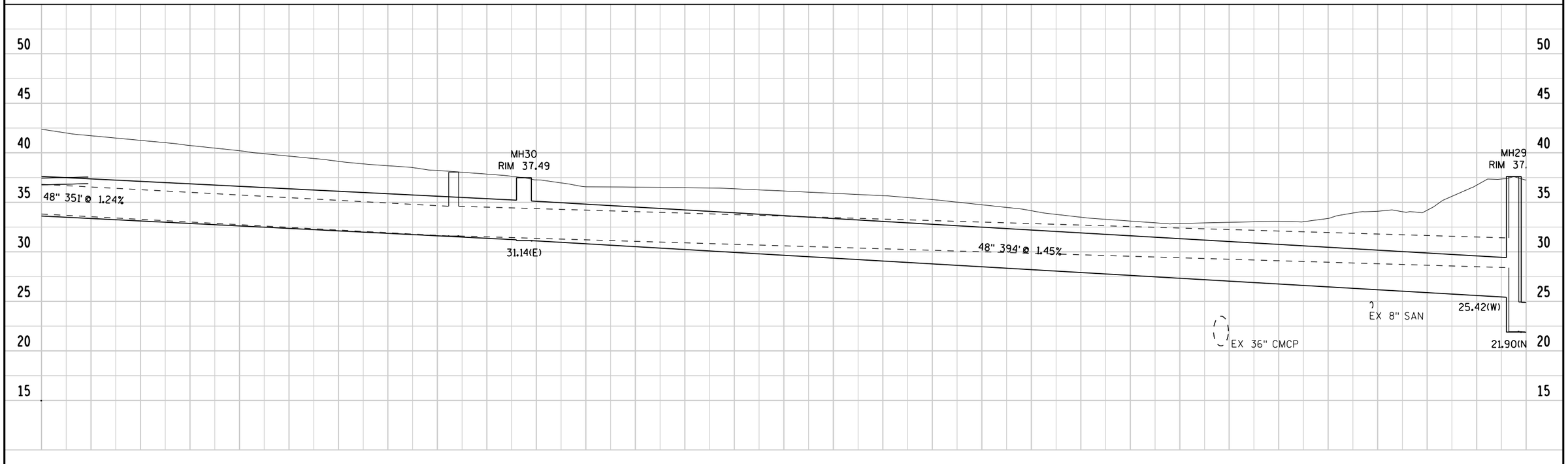


PROJECT NUMBER: 4996-01-56	HWY: EISNER AVENUE	COUNTY: SHEBOYGAN	STORM SEWER AND EROSION CONTROL	SHEET 50	E

FILE NAME: l:\work\60164548\000.cadd\civil\022527_ss.dgn
BATCH PRINT SHEET 22 OF 26
PRINTER DRIVER: L:\library\TPN_CADstds\Workspace-Clients\WisDOT\Microstation\Resources\MS_Printing\Printer_Drivers\ET_PDF_11 x 17.plt
PEN TABLE: L:\work\60164548\000_CADD\CIVIL\MS_Printing\Pen_Tables\ET_WisDOT.tbl
PLOT DATE: 10/24/2012
PLOT TIME: 11:06:47 AM
PLOT SCALE: 1:40
WISDOT/CADDS SHEET 40

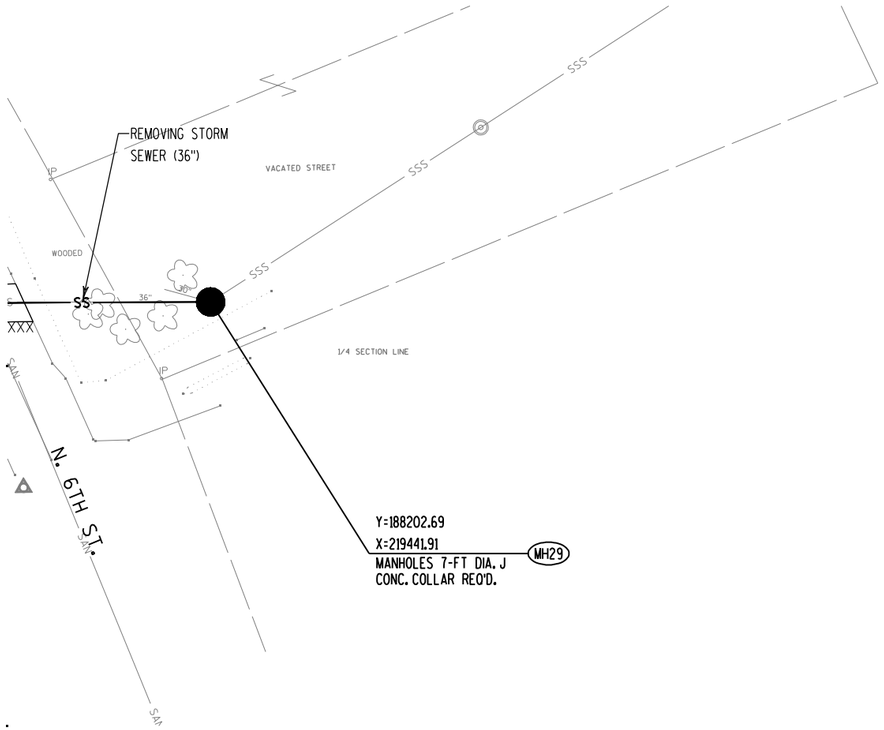
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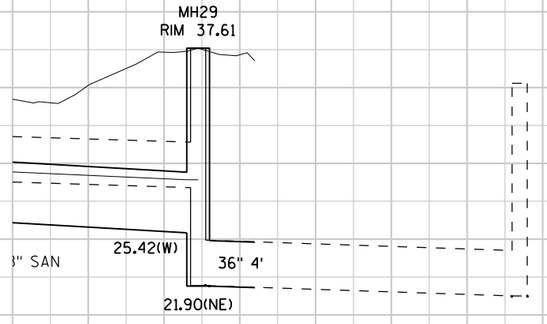
PROJECT NUMBER: 4996-01-56	HWY: EISNER AVENUE	COUNTY: SHEBOYGAN	STORM SEWER AND EROSION CONTROL	SHEET 51	E

FILE NAME: I:\work\60164548\000.cadd\civil\022523_ss.dgn
BATCH PRINT SHEET 23 OF 26
PRINTER DRIVER: L:\library\TPN_CADstds\Workspace-Clients\WisDOT\Microstation\Resources\MS_Printing\Printer_Drivers\ET_PDF_11 x 17.plt
PEN TABLE: L:\work\60164548\000.CADD\CIVIL\MS_Printing\Pen_Tables\ET_WisDOT.tbl
PLOT DATE: 10/30/2012
PLOT TIME: 8:43:34 AM
PLOT SCALE: 1:40
WISDOT/CADDS SHEET 41

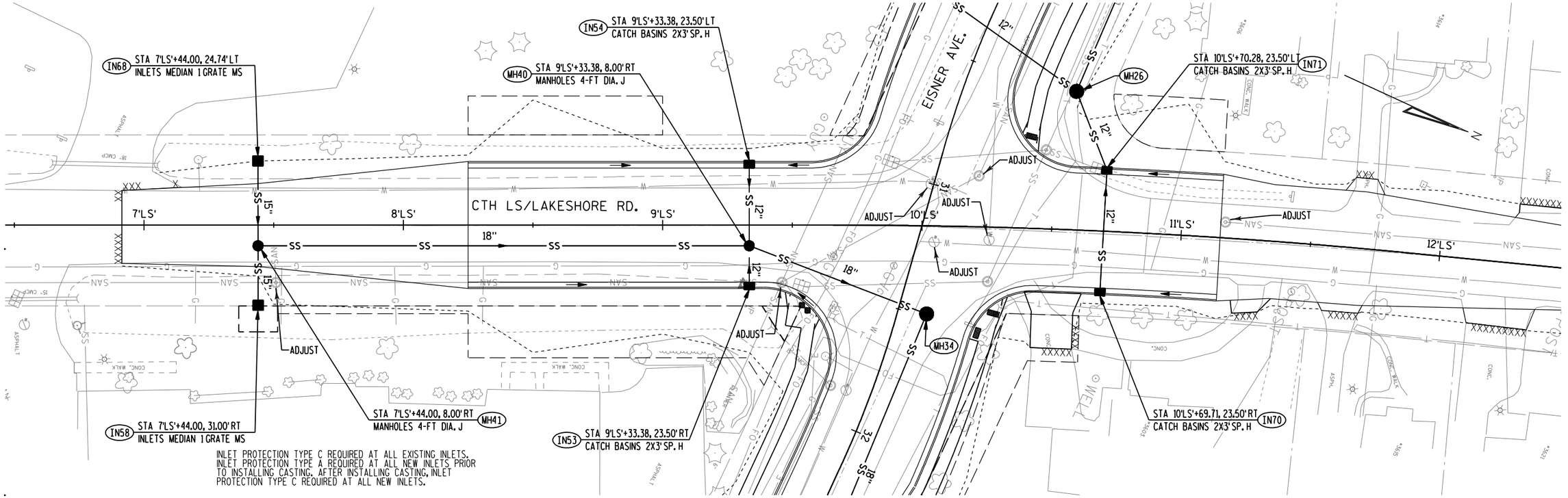


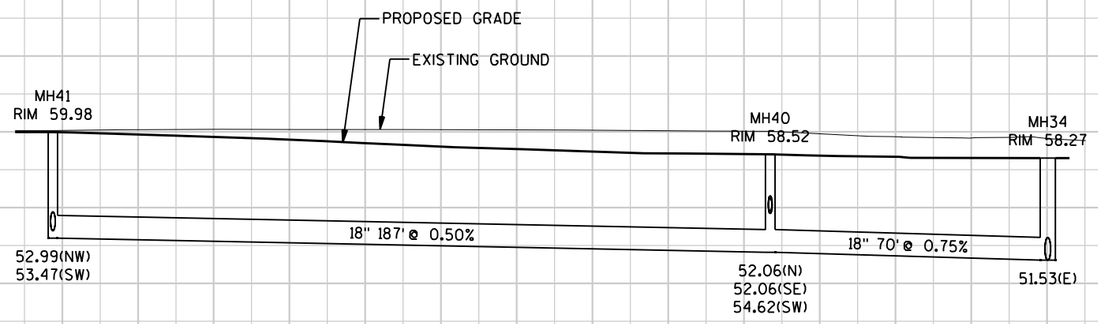


INLET PROTECTION TYPE C REQUIRED AT ALL EXISTING INLETS.
INLET PROTECTION TYPE A REQUIRED AT ALL NEW INLETS PRIOR TO INSTALLING CASTING. AFTER INSTALLING CASTING, INLET PROTECTION TYPE C REQUIRED AT ALL NEW INLETS.



PROJECT NUMBER: 4996-01-56	HWY: EISNER AVENUE	COUNTY: SHEBOYGAN	STORM SEWER AND EROSION CONTROL	SHEET 52	E

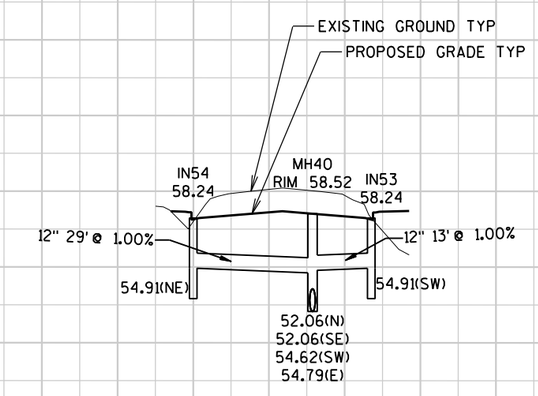




PROJECT NUMBER: 4996-01-56	HWY: EISNER AVENUE	COUNTY: SHEBOYGAN	STORM SEWER AND EROSION CONTROL	SHEET 53	E

FILE NAME: l:\work\60164548\000_cadd\civil\022525_ss.dgn
BATCH PRINT SHEET 25 OF 26
PRINTER DRIVER: L:\library\TPN_CADstds\Workspace-Clients\WisDOT\Microstation\Resources\MS_Printing\Printer_Drivers\ET_PDF_11 x 17.plt
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PLOT DATE: 10/24/2012
PLOT TIME: 11:06:57 AM
PLOT SCALE: 1:40
WISDOT/CADDS SHEET 41



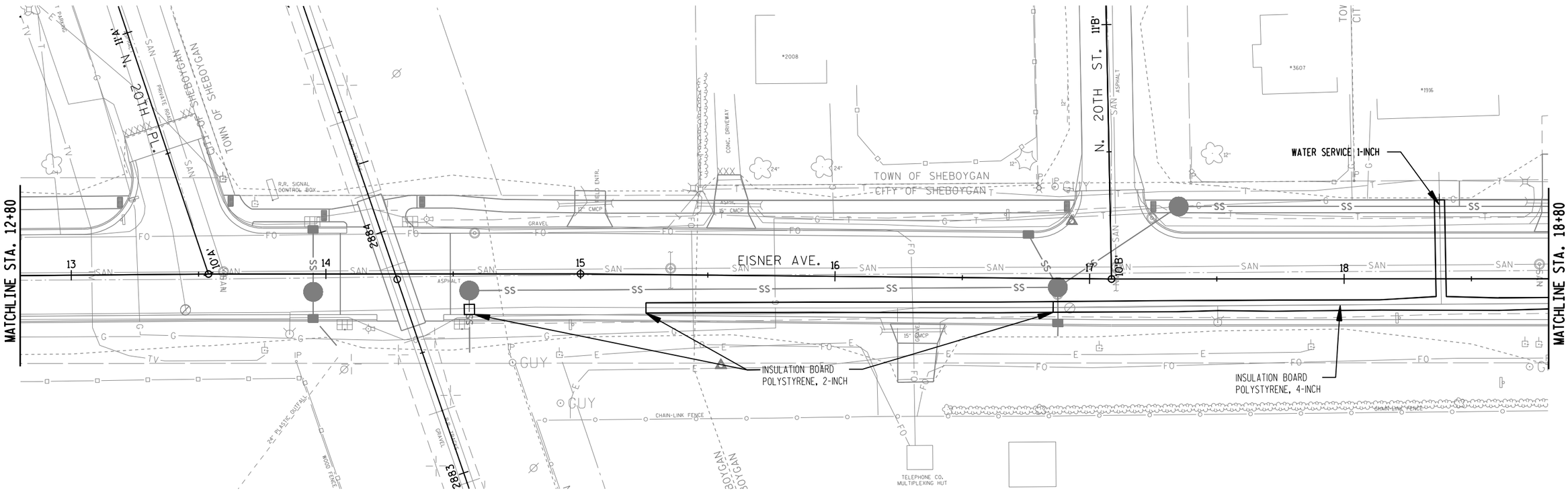




PROJECT NUMBER: 4996-01-56	HWY: EISNER AVENUE	COUNTY: SHEBOYGAN	STORM SEWER AND EROSION CONTROL	SHEET 54	E

FILE NAME: l:\work\60164548\000.cadd\civil\022526_ss.dgn
BATCH PRINT SHEET 26 OF 26
PRINTER DRIVER: L:\library\TPN_CADstds\Workspace-Clients\WisDOT\Microstation\Resources\MS_Printing\Printer_Drivers\ET_PDF_11 x 17.plt
PEN TABLE: L:\work\60164548\000.CADD\CIVIL\MS_Printing\Pen_Tables\ET_WisDOT.tbl
PLOT DATE: 10/24/2012
PLOT TIME: 11:07:00 AM
PLOT SCALE: 1:40.0275
WISDOT/CADDS SHEET 41

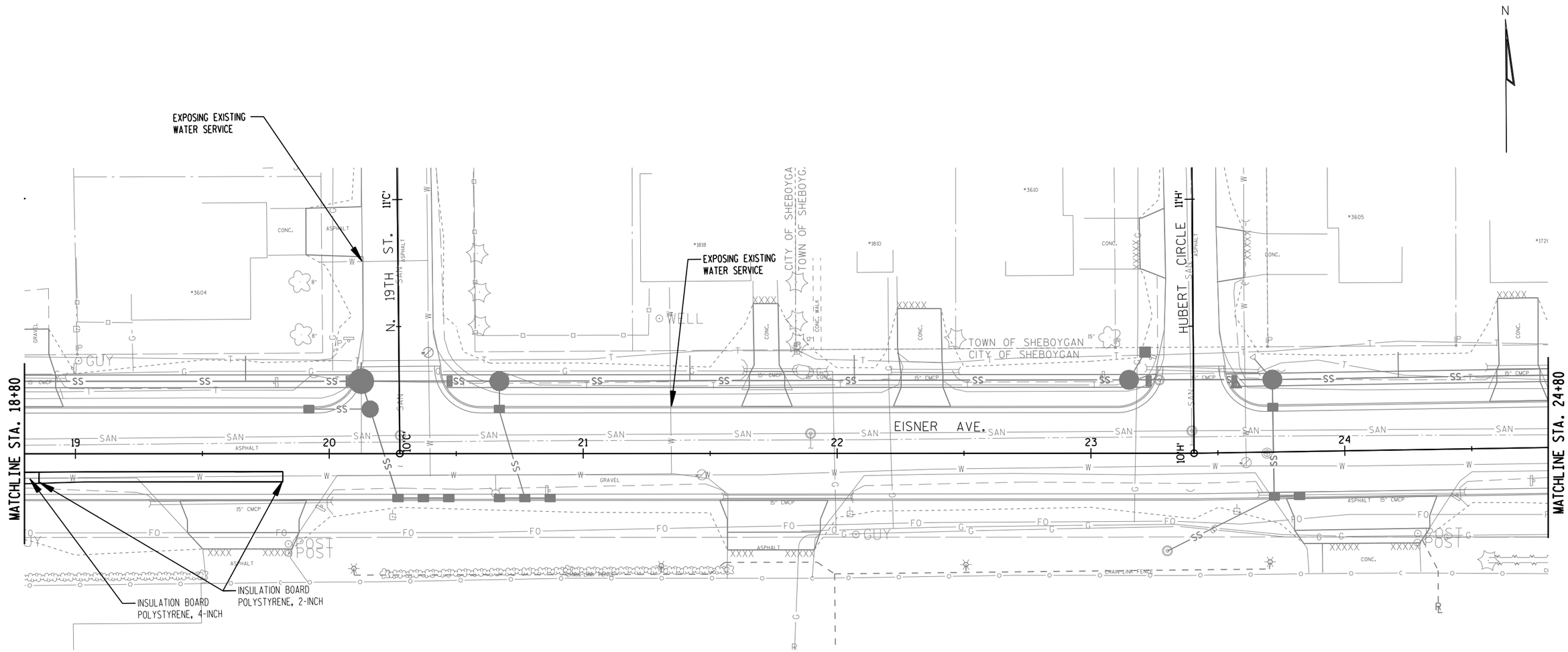
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PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE.	COUNTY: SHEBOYGAN	UTILITY PLAN	SHEET 55	E

FILE NAME: l:\work\60164548\000_cadd\civil\023002_up.dgn
BATCH PRINT SHEET 1 OF 9
PRINTER DRIVER: L:\library\TPN_CADstds\Workspace-Clients\WisDOT\Microstation\Resources\MS_Printing\Printer_Drivers\ET_PDF_11 x 17.plt
PEN TABLE: L:\work\60164548\000_CADD\CIVIL\MS_Printing\Pen_Tables\ET_WisDOT.tbl
PLOT DATE: 10/23/2012
PLOT TIME: 2:30:09 PM
PLOT SCALE: 1:40
WISDOT/CADDS SHEET 42

2



PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE.	COUNTY: SHEBOYGAN	UTILITY PLAN	SHEET 56	E

FILE NAME: l:\work\60164548\000_cadd\civil\023003_up.dgn
BATCH PRINT SHEET 2 OF 9
PRINTER DRIVER: L:\library\TPN_CADstds\Workspace-Clients\WisDOT\Microstation\Resources\MS_Printing\Printer_Drivers\ET_PDF_11 x 17.plt
PEN TABLE: L:\work\60164548\000_CADD\CIVIL\MS_Printing\Pen_Tables\ET_WisDOT.tbl
PLOT DATE: 10/23/2012
PLOT TIME: 2:30:13 PM
PLOT SCALE: 1:40.0065
WISDOT/CADDS SHEET 42

2

2

N

LAKESHORE RD. (CTH LS)

KOEHLER DR.

EISNER AVE.

WATER SERVICE 1 1/4-INCH

WATER SERVICE 1-INCH

INSULATION BOARD
POLYSTYRENE, 2-INCH

MATCHLINE STA. 36+80

TOWN OF SHEBOYGAN
CITY OF SHEBOYGAN

PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE.	COUNTY: SHEBOYGAN	UTILITY PLAN	SHEET 57	E

FILE NAME: l:\work\60164548\000_cadd\civil\023005_up.dgn
BATCH PRINT SHEET 3 OF 9

PRINTER DRIVER: L:\library\TPN_CADstds\Workspace-Clients\WisDOT\Microstation\Resources\MS_Printing\Printer_Drivers\ET_PDF_11 x 17.plt
PEN TABLE: L:\work\60164548\000_CADD\CIVIL\MS_Printing\Pen_Tables\ET_WisDOT.tbl

PLOT DATE: 10/23/2012
PLOT TIME: 2:30:16 PM

PLOT SCALE: 1:40

2

N

MATCHLINE STA. 36+80

WATER SERVICE, 1 1/2-INCH

INSULATION BOARD
POLYSTYRENE, 4-INCH

INSULATION BOARD
POLYSTYRENE, 2-INCH

INSULATION BOARD
POLYSTYRENE, 2-INCH

INSULATION BOARD
POLYSTYRENE, 2-INCH

MATCHLINE STA. 42+80

N. 14TH ST.

N. 13TH ST.

EISNER AVE.

CITY OF SHEBOYGAN
TOWN OF SHEBOYGAN

TOWN OF SHEBOYGAN
CITY OF SHEBOYGAN

WELL

GARAGE

SHED

CONC. WALK

CONC.

ASPHALT

PLANTER

*1408

*1316

*1306

*3427

*1329/1333

37 38 39 40 41 42

PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE.	COUNTY: SHEBOYGAN	UTILITY PLAN	SHEET 58	E

FILE NAME: l:\work\60164548\000_cadd\civil\023006_up.dgn
BATCH PRINT SHEET 4 OF 9
PRINTER DRIVER: L:\library\TPN_CADstds\Workspace-Clients\WisDOT\Microstation\Resources\MS_Printing\Printer_Drivers\ET_PDF_11 x 17.plt
PEN TABLE: L:\work\60164548\000_CADD\CIVIL\MS_Printing\Pen_Tables\ET_WisDOT.tbl
PLOT DATE: 10/23/2012
PLOT TIME: 2:30:19 PM
PLOT SCALE: 1:40

2

N

MATCHLINE STA. 42+80

MATCHLINE STA. 48+40

EISNER AVE.

43 44 45 46 47 48

N. 13TH ST.

INSULATION BOARD
POLYSTYRENE, 2-INCH

INSULATION BOARD
POLYSTYRENE, 2-INCH

*1244 *3601 *1236 *1234 *1226 *3604 *3516 *1231

CONC. GRAVEL ASPHALT PLANTER CONC. WALK

PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE.	COUNTY: SHEBOYGAN	UTILITY PLAN	SHEET 59	E

FILE NAME: I:\work\60164548\000_cadd\civil\023007_up.dgn
BATCH PRINT SHEET 5 OF 9
PRINTER DRIVER: L:\library\TPN_CADstds\Workspace-Clients\WisDOT\Microstation\Resources\MS_Printing\Printer_Drivers\ET_PDF_11 x 17.plt
PEN TABLE: L:\work\60164548\000_CADD\CIVIL\MS_Printing\Pen_Tables\ET_WisDOT.tbl
PLOT DATE: 10/23/2012
PLOT TIME: 2:30:22 PM
PLOT SCALE: 1:40
WISDOT/CADDS SHEET 42

2

2

N

MATCHLINE STA. 48+40

MATCHLINE STA. 54+40

N. 12TH ST.

ROSEWOOD CT.

EISNER AVE.

10'L

10'R

49

50

51

52

53

54

FLAG

PLANTER

GRAVEL

ASPHALT

CONC.

CONC. WALK

12" CMCP

*1142

*3606

*3605

*3608

*1231

*1101/1105

*1117

INSULATION BOARD
POLYSTYRENE, 2-INCH

PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE.	COUNTY: SHEBOYGAN	UTILITY PLAN	SHEET 60	E

FILE NAME: l:\work\60164548\000_cadd\civil\023008_up.dgn
BATCH PRINT SHEET 6 OF 9

PRINTER DRIVER: L:\library\TPN_CADstds\Workspace-Clients\WisDOT\Microstation\Resources\MS_Printing\Printer_Drivers\ET_PDF_11 x 17.plt
PEN TABLE: L:\work\60164548\000_CADD\CIVIL\MS_Printing\Pen_Tables\ET_WisDOT.tbl

PLOT DATE: 10/23/2012
PLOT TIME: 2:30:26 PM

PLOT SCALE: 1:40

WISDOT/CADDS SHEET 42

2

N

MATCHLINE STA. 54+40

HIGHCLIFF CT.

11'HC'

10'HC'

EISNER AVE.

N. 10TH ST.

11'N'

10'M'

10'N'

GUY

MATCHLINE STA. 60+40

55 56 57 58 59 60

*3608 *3607 *3520 *3431

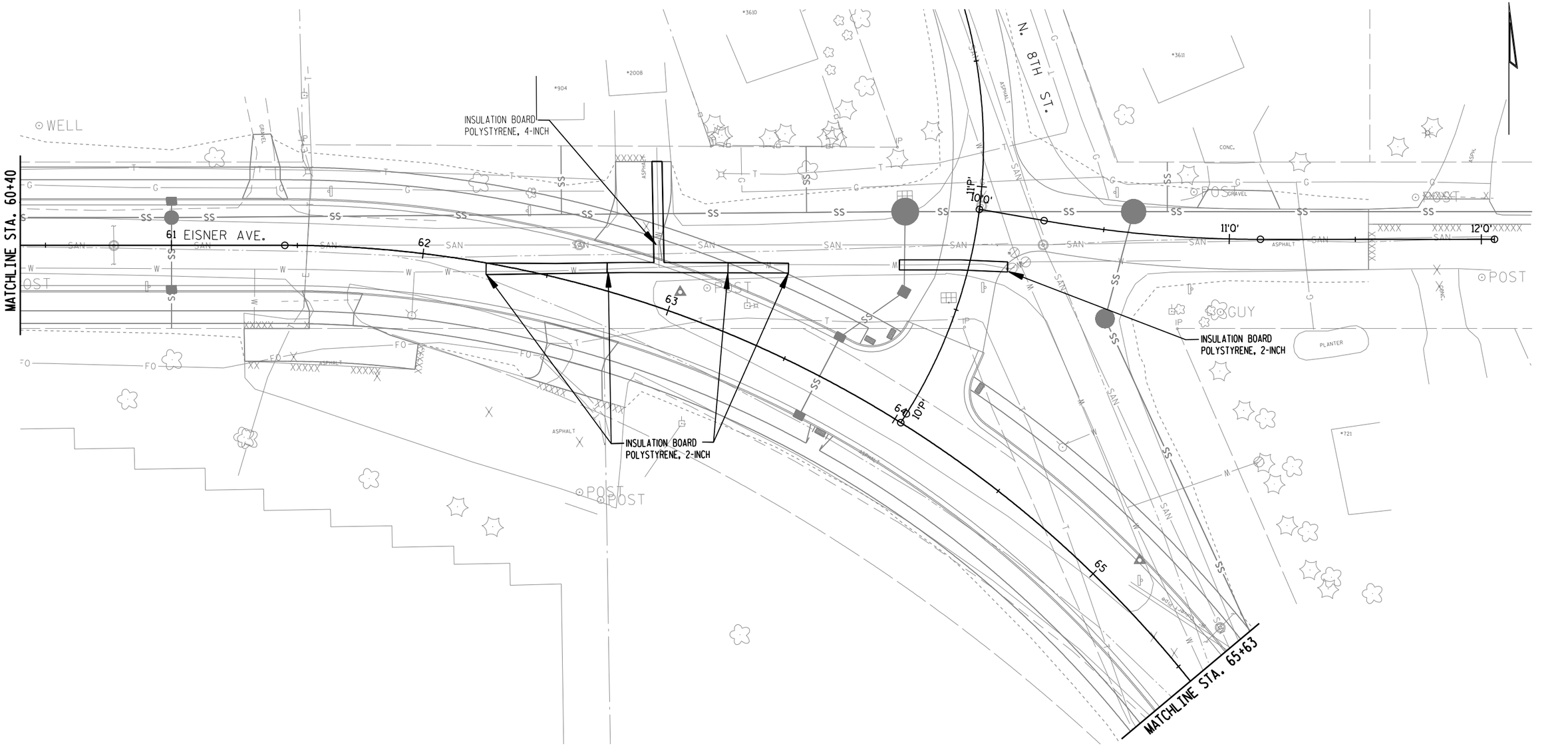
CONC. CONCRETE CONC. WALK ASPHALT GRAVEL PLANTER

INSULATION BOARD
POLYSTYRENE, 2-INCH

INSULATION BOARD
POLYSTYRENE, 2-INCH

PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE.	COUNTY: SHEBOYGAN	UTILITY PLAN	SHEET 61	E

2



PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE.	COUNTY: SHEBOYGAN	UTILITY PLAN	SHEET 62	E

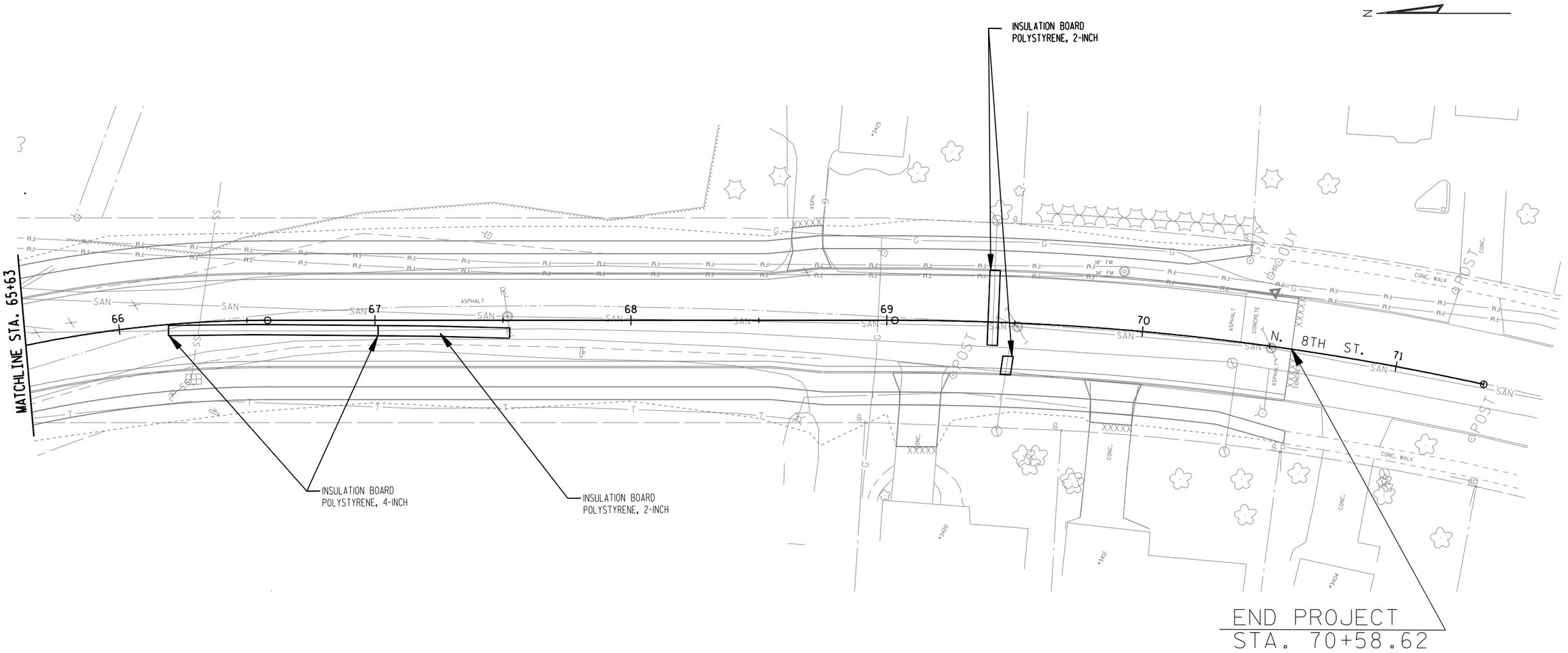
FILE NAME: l:\work\60164548\000_cadd\civil\023010_up.dgn
BATCH PRINT SHEET 8 OF 9

PRINTER DRIVER: L:\library\TPN_CADstds\Workspace-Clients\WisDOT\Microstation\Resources\MS_Printing\Printer_Drivers\ET_PDF_11 x 17.plt
PEN TABLE: L:\work\60164548\000_CADD\CIVIL\MS_Printing\Pen_Tables\ET_WisDOT.tbl

PLOT DATE: 10/23/2012
PLOT TIME: 2:30:33 PM

PLOT SCALE: 1:40

2

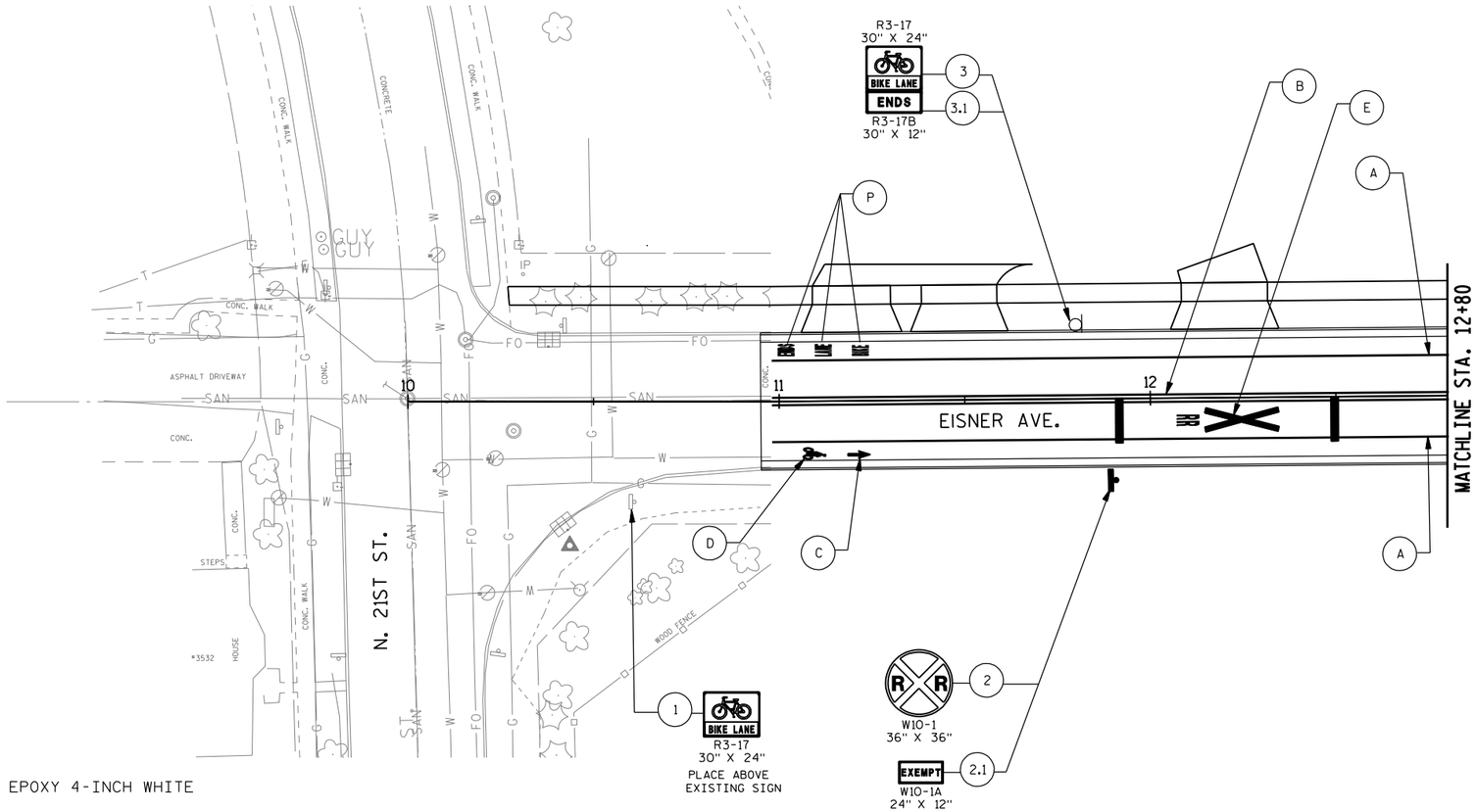


PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE.	COUNTY: SHEBOYGAN	UTILITY PLAN	SHEET 63	E

FILE NAME: l:\work\60164548\000_cadd\civil\023011_up.dgn
BATCH PRINT SHEET 9 OF 9
PRINTER DRIVER: L:\library\TPN_CADstds\Workspace-Clients\WisDOT\Microstation\Resources\MS_Printing\Printer_Drivers\ET_PDF_11 x 17.plt
PEN TABLE: L:\work\60164548\000_CADD\CIVIL\MS_Printing\Pen_Tables\ET_WisDOT.tbl
PLOT DATE: 10/23/2012
PLOT TIME: 2:30:37 PM
PLOT SCALE: 1:40

LEGEND

- SIGN ON LIGHT POLE
- SIGN ON SINGLE POST
- SIGN ON TWO POSTS
- (XX) SIGN NUMBER



- (A) PAVEMENT MARKING EPOXY 4-INCH WHITE
- (B) PAVEMENT MARKING EPOXY 4-INCH DOUBLE YELLOW
- (C) PAVEMENT MARKING ARROWS BIKE LANE EPOXY
- (D) PAVEMENT MARKING SYMBOLS BIKE LANE EPOXY
- (E) PAVEMENT MARKING RAILROAD CROSSINGS EPOXY
- (P) PAVEMENT MARKING WORDS BIKE LANE EPOXY

2

LEGEND

- SIGN ON LIGHT POLE
- SIGN ON SINGLE POST
- SIGN ON TWO POSTS
- (XX) SIGN NUMBER

N

MATCHLINE STA. 12+80

MATCHLINE STA. 18+80

N. 20TH PL.

11'A'

10'A'

2885

2884

2883

N. 20TH ST.

11'B'

10'B'

EISNER AVE.

11' TYP

13 14 15 16 17 18

STOP
R1-1
30" X 30"
4

EXEMPT
R15-3
24" X 12"
39
PROVIDE SIGN TO RAILROAD FOR ATTACHMENT TO EXISTING RAILROAD SIGNAL

BIKE LANE
R7-9A
18" X 24"
41

W10-1
36" X 36"
5

EXEMPT
W10-1A
24" X 12"
5.1

STOP
R1-1
30" X 30"
6

EXEMPT
R15-3
24" X 12"
38
PROVIDE SIGN TO RAILROAD FOR ATTACHMENT TO EXISTING RAILROAD SIGNAL

BIKE LANE
R7-9A
18" X 24"
40

BIKE LANE
R7-9A
18" X 24"
7.1

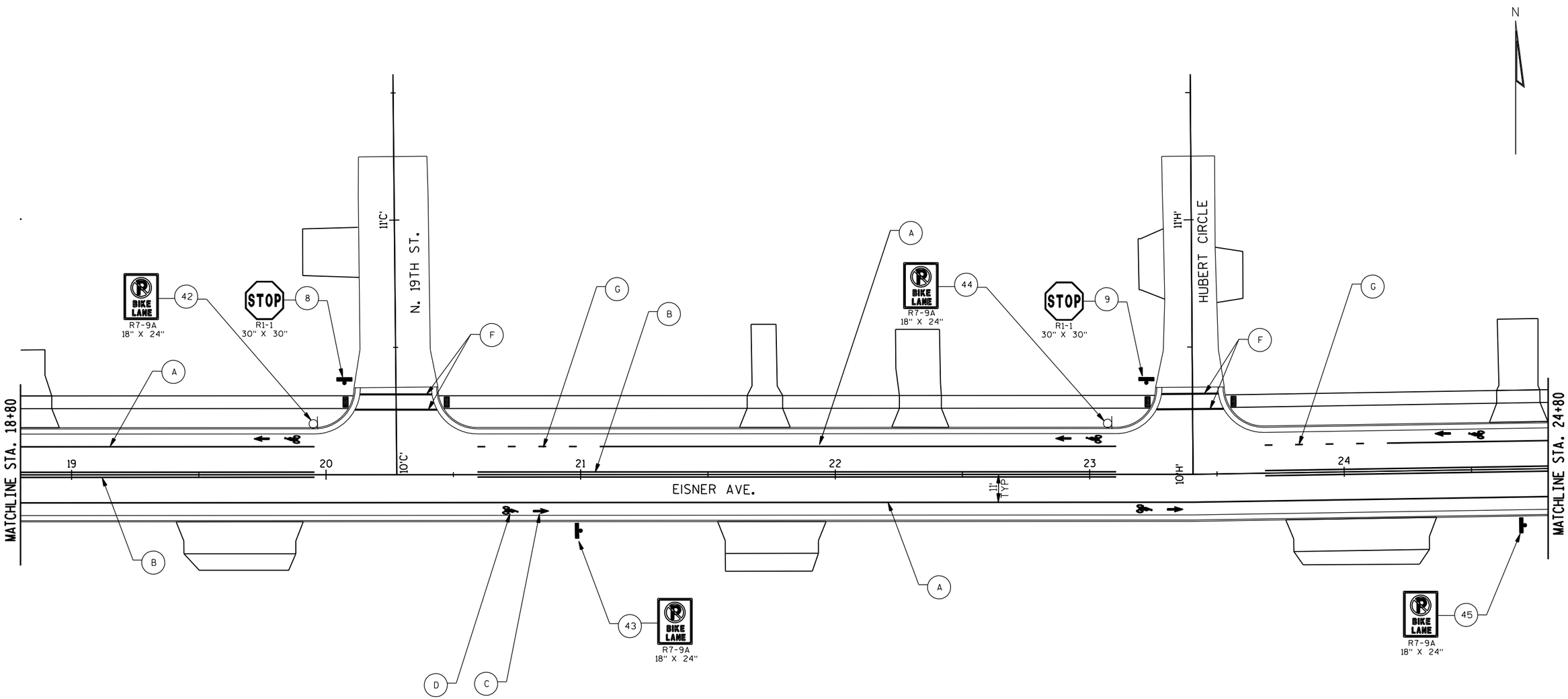
SPEED LIMIT 25
R2-1
24" X 30"
7

- (A) PAVEMENT MARKING EPOXY 4-INCH WHITE
- (B) PAVEMENT MARKING EPOXY 4-INCH DOUBLE YELLOW
- (C) PAVEMENT MARKING ARROWS BIKE LANE EPOXY
- (D) PAVEMENT MARKING SYMBOLS BIKE LANE EPOXY
- (E) PAVEMENT MARKING RAILROAD CROSSINGS EPOXY
- (F) PAVEMENT MARKING CROSSWALK EPOXY 6-INCH
- (G) PAVEMENT MARKING EPOXY 4-INCH WHITE: 3' LINE, 9' GAP

PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE.	COUNTY: SHEBOYGAN	PERMANENT SIGNING AND PAVEMENT MARKING	SHEET 65	E

FILE NAME: l:\work\60164548\000.cadd\civil\023202_ps.dgn
BATCH PRINT SHEET 2 OF 13
PRINTER DRIVER: L:\library\TPN_CADstds\Workspace-Clients\WisDOT\Microstation\Resources\MS_Printing\Printer_Drivers\ET_PDF_11 x 17.plt
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PLOT DATE: 10/23/2012
PLOT TIME: 10:30:00 AM
PLOT SCALE: 1:40

2



(A) PAVEMENT MARKING EPOXY 4-INCH WHITE

(B) PAVEMENT MARKING EPOXY 4-INCH DOUBLE YELLOW

(C) PAVEMENT MARKING ARROWS BIKE LANE EPOXY

(D) PAVEMENT MARKING SYMBOLS BIKE LANE EPOXY

(F) PAVEMENT MARKING CROSSWALK EPOXY 6-INCH

(G) PAVEMENT MARKING EPOXY 4-INCH WHITE: 3' LINE, 9' GAP

LEGEND

- SIGN ON LIGHT POLE
- SIGN ON SINGLE POST
- SIGN ON TWO POSTS
- (XX) SIGN NUMBER

PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE.	COUNTY: SHEBOYGAN	PERMANENT SIGNING AND PAVEMENT MARKING	SHEET 66	E

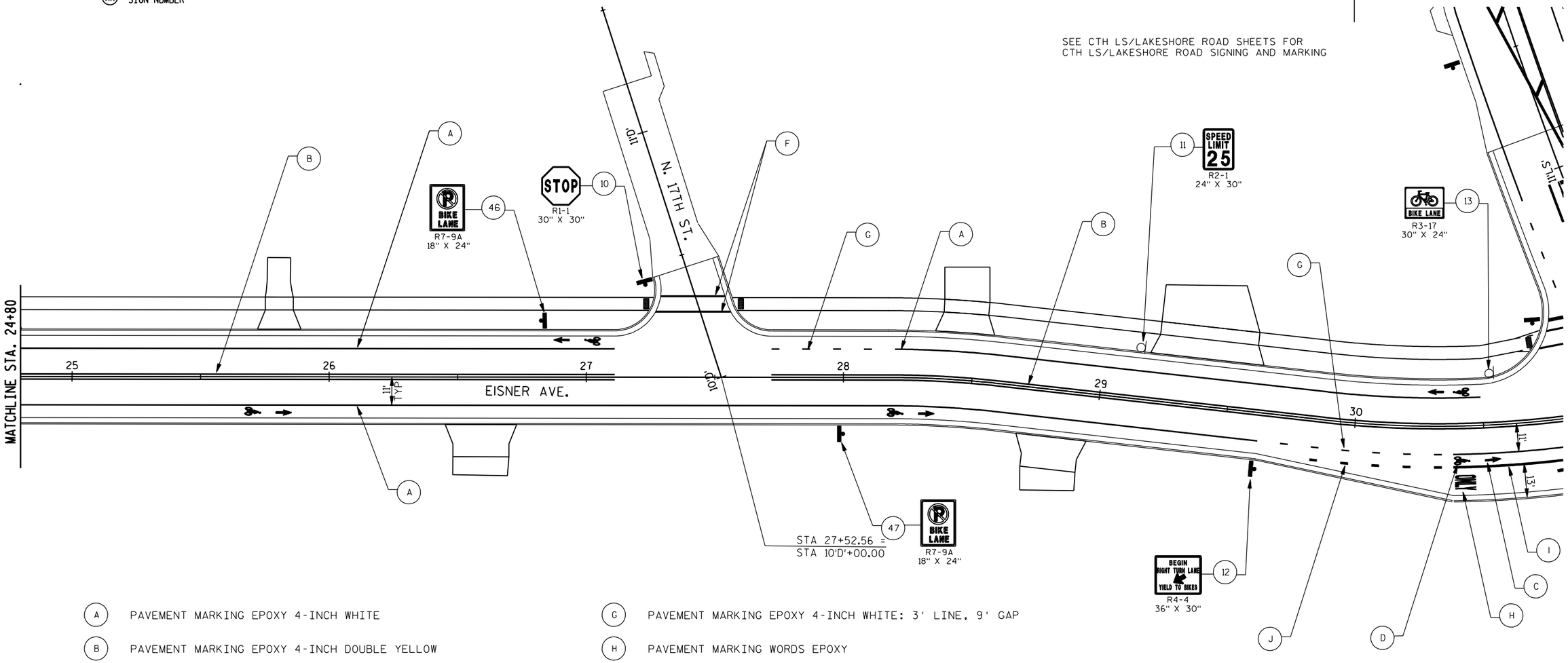
FILE NAME: l:\work\60164548\000_cadd\civil\023203_ps.dgn
BATCH PRINT SHEET 3 OF 13
PRINTER DRIVER: L:\library\TPN_CADstds\Workspace-Clients\WisDOT\Microstation\Resources\MS_Printing\Printer_Drivers\ET_PDF_11 x 17.plt
PEN TABLE: L:\work\60164548\000_CADD\CIVIL\MS_Printing\Pen_Tables\ET_WisDOT.tbl
PLOT DATE: 10/23/2012
PLOT TIME: 10:30:03 AM
PLOT SCALE: 1:40.0065
WISDOT/CADDS SHEET 42

LEGEND

- SIGN ON LIGHT POLE
- SIGN ON SINGLE POST
- SIGN ON TWO POSTS
- (XX) SIGN NUMBER

N

SEE CTH LS/LAKESHORE ROAD SHEETS FOR
CTH LS/LAKESHORE ROAD SIGNING AND MARKING



- (A) PAVEMENT MARKING EPOXY 4-INCH WHITE
- (B) PAVEMENT MARKING EPOXY 4-INCH DOUBLE YELLOW
- (C) PAVEMENT MARKING ARROWS BIKE LANE EPOXY
- (D) PAVEMENT MARKING SYMBOLS BIKE LANE EPOXY
- (F) PAVEMENT MARKING CROSSWALK EPOXY 6-INCH
- (G) PAVEMENT MARKING EPOXY 4-INCH WHITE: 3' LINE, 9' GAP
- (H) PAVEMENT MARKING WORDS EPOXY
- (I) PAVEMENT MARKING EPOXY 8-INCH WHITE
- (J) PAVEMENT MARKING EPOXY 8-INCH WHITE: 3' LINE, 9' GAP

PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE.	COUNTY: SHEBOYGAN	PERMANENT SIGNING AND PAVEMENT MARKING	SHEET 67	E

FILE NAME: l:\work\60164548\000.cadd\civil\023204_ps.dgn
BATCH PRINT SHEET 4 OF 13
PRINTER DRIVER: L:\library\TPN_CADstds\Workspace-Clients\WisDOT\Microstation\Resources\MS_Printing\Printer_Drivers\ET_PDF_11 x 17.plt
PEN TABLE: L:\work\60164548\000.CADD\CIVIL\MS_Printing\Pen_Tables\ET_WisDOT.tbl
PLOT DATE: 10/23/2012
PLOT TIME: 10:30:06 AM
PLOT SCALE: 1:40
WISDOT/CADDS SHEET 42

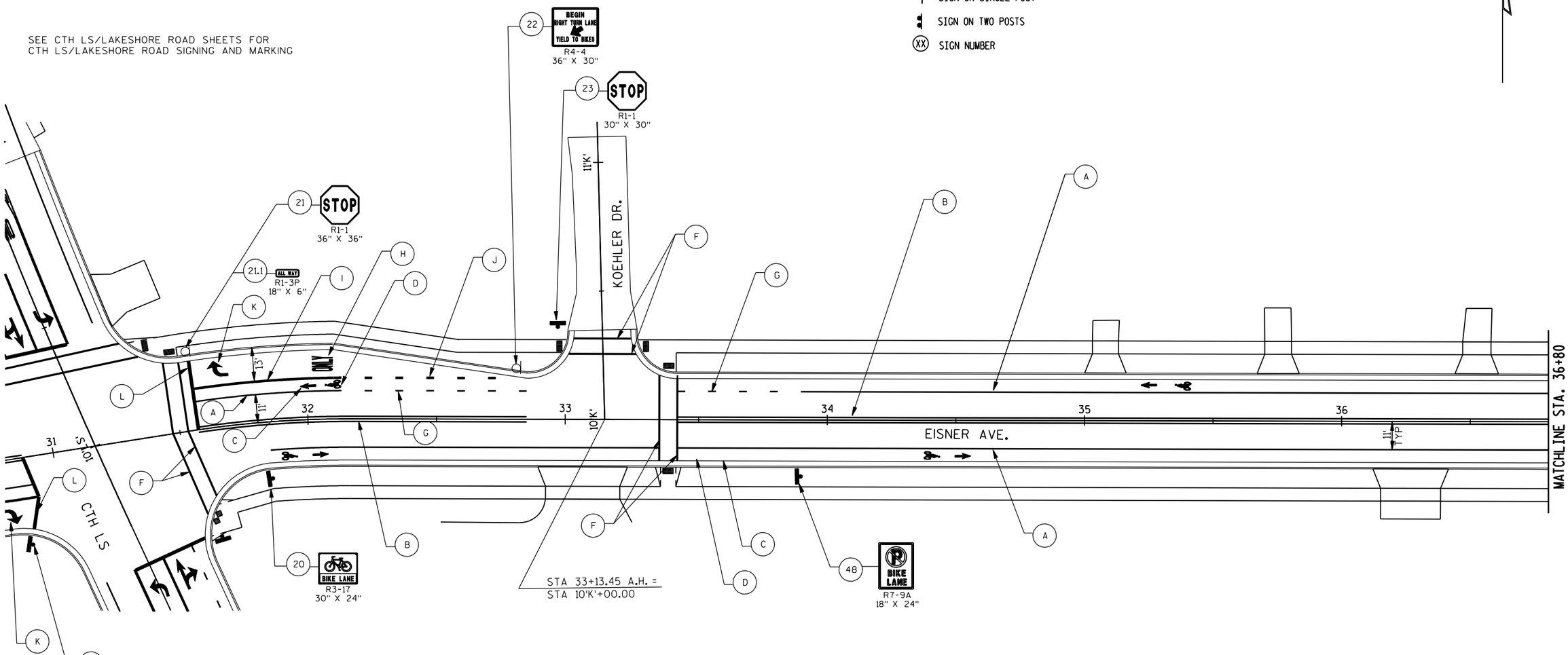
2

SEE CTH LS/LAKESHORE ROAD SHEETS FOR
CTH LS/LAKESHORE ROAD SIGNING AND MARKING

LEGEND

- SIGN ON LIGHT POLE
- SIGN ON SINGLE POST
- SIGN ON TWO POSTS
- (XX) SIGN NUMBER

N



(A) PAVEMENT MARKING EPOXY 4-INCH WHITE

(B) PAVEMENT MARKING EPOXY 4-INCH DOUBLE YELLOW

(C) PAVEMENT MARKING ARROWS BIKE LANE EPOXY

(D) PAVEMENT MARKING SYMBOLS BIKE LANE EPOXY

(F) PAVEMENT MARKING CROSSWALK EPOXY 6-INCH

(G) PAVEMENT MARKING EPOXY 4-INCH WHITE: 3' LINE, 9' GAP

(H) PAVEMENT MARKING WORDS EPOXY

(I) PAVEMENT MARKING EPOXY 8-INCH WHITE

(J) PAVEMENT MARKING EPOXY 8-INCH WHITE: 3' LINE, 9' GAP

(K) PAVEMENT MARKING ARROWS EPOXY TYPE 2

(L) PAVEMENT MARKING STOP LINE EPOXY 12-INCH

PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE.	COUNTY: SHEBOYGAN	PERMANENT SIGNING AND PAVEMENT MARKING	SHEET 68	E

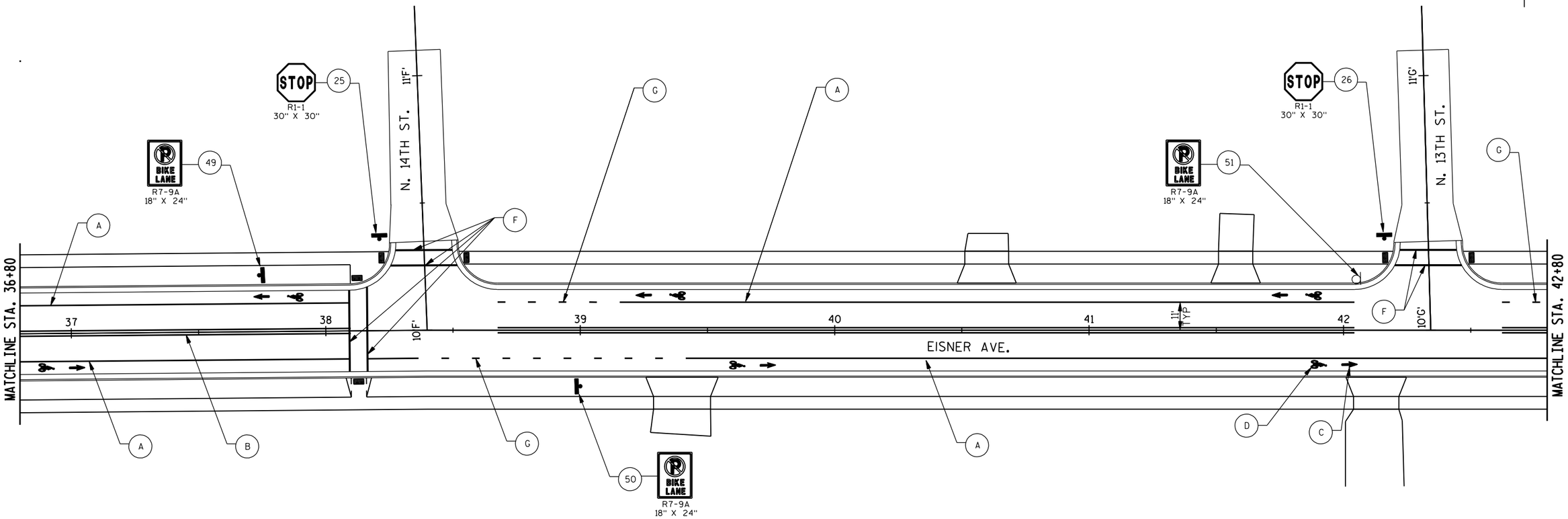
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BATCH PRINT SHEET 5 OF 13
PRINTER DRIVER: L:\library\TPN_CADstds\Workspace-Clients\WisDOT\Microstation\Resources\MS_Printing\Printer_Drivers\ET_PDF_11 x 17.plt
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PLOT DATE: 10/23/2012
PLOT TIME: 10:30:09 AM
PLOT SCALE: 1:40
WISDOT/CADDS SHEET 42

2

LEGEND

- SIGN ON LIGHT POLE
- SIGN ON SINGLE POST
- SIGN ON TWO POSTS
- (XX) SIGN NUMBER

N



(A) PAVEMENT MARKING EPOXY 4-INCH WHITE

(B) PAVEMENT MARKING EPOXY 4-INCH DOUBLE YELLOW

(C) PAVEMENT MARKING ARROWS BIKE LANE EPOXY

(D) PAVEMENT MARKING SYMBOLS BIKE LANE EPOXY

(F) PAVEMENT MARKING CROSSWALK EPOXY 6-INCH

(G) PAVEMENT MARKING EPOXY 4-INCH WHITE: 3' LINE, 9' GAP

PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE.	COUNTY: SHEBOYGAN	PERMANENT SIGNING AND PAVEMENT MARKING	SHEET 69	E

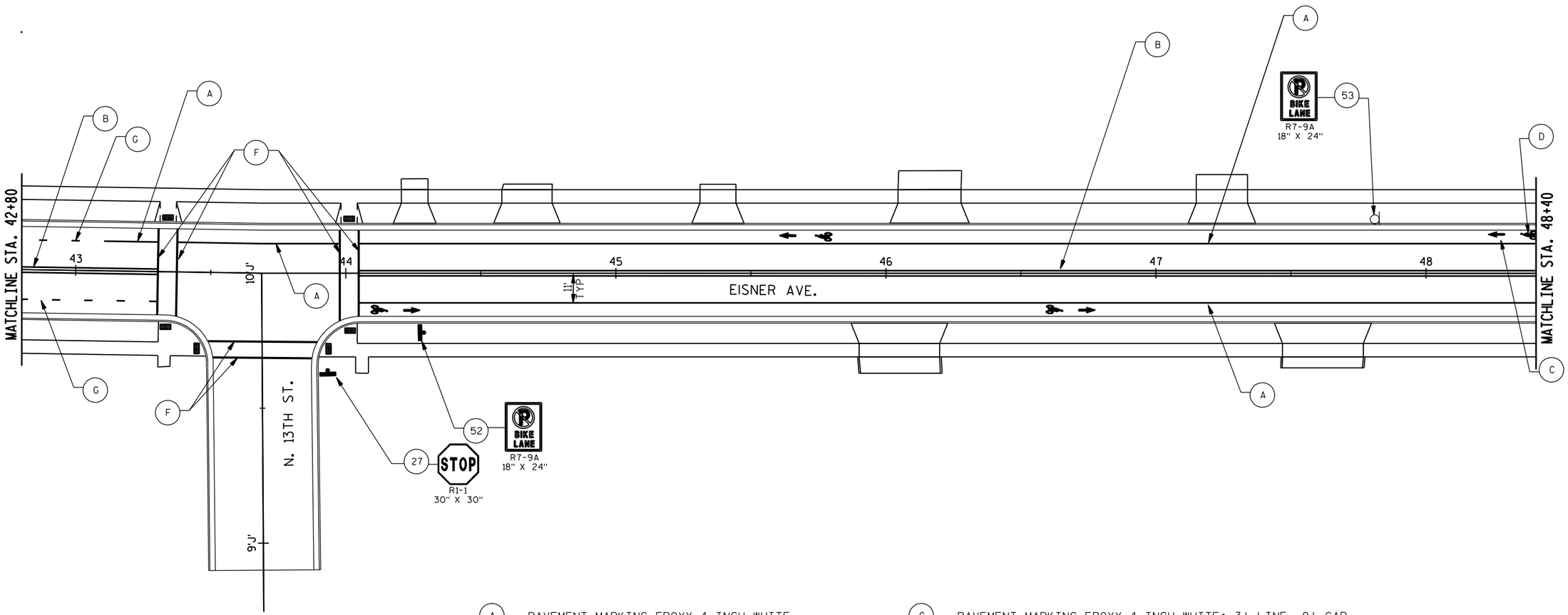
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BATCH PRINT SHEET 6 OF 13
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PLOT DATE: 10/23/2012
PLOT TIME: 10:30:12 AM
PLOT SCALE: 1:40
WISDOT/CADDS SHEET 42

2

LEGEND

- SIGN ON LIGHT POLE
- SIGN ON SINGLE POST
- SIGN ON TWO POSTS
- (XX) SIGN NUMBER

N



(A) PAVEMENT MARKING EPOXY 4-INCH WHITE

(B) PAVEMENT MARKING EPOXY 4-INCH DOUBLE YELLOW

(C) PAVEMENT MARKING ARROWS BIKE LANE EPOXY

(D) PAVEMENT MARKING SYMBOLS BIKE LANE EPOXY

(F) PAVEMENT MARKING CROSSWALK EPOXY 6-INCH

(G) PAVEMENT MARKING EPOXY 4-INCH WHITE: 3' LINE, 9' GAP

PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE.	COUNTY: SHEBOYGAN	PERMANENT SIGNING AND PAVEMENT MARKING	SHEET 70	E

FILE NAME: l:\work\60164548\000_cadd\civil\023207_ps.dgn
BATCH PRINT SHEET 7 OF 13
PRINTER DRIVER: L:\library\TPN_CADstds\Workspace-Clients\WisDOT\Microstation\Resources\MS_Printing\Printer_Drivers\ET_PDF_11 x 17.plt
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PLOT DATE: 10/23/2012
PLOT TIME: 10:30:15 AM
PLOT SCALE: 1:40
WISDOT/CADDS SHEET 42

2

LEGEND

- SIGN ON LIGHT POLE
- SIGN ON SINGLE POST
- SIGN ON TWO POSTS
- (XX) SIGN NUMBER

N

28 STOP R1-1 30" X 30"

30 STOP R1-1 30" X 30"

55 BIKE LANE R7-9A 18" X 24"

54 BIKE LANE R7-9A 18" X 24"

29 STOP R1-1 30" X 30"

N. 12TH ST.

ROSEWOOD CT.

EISNER AVE.

MATCHLINE STA. 48+40

MATCHLINE STA. 54+40

STA 50+04.02 = STA 10'L'+00.00

STA 48+85.15 = STA 10'E'+00.00

STA 52+09.91 = STA 10'R'+00.00

SAWCUT AND MATCH EXISTING STA. 8'L'+87.50

11'E'

10'E'

9'L'

11'R'

10'R'

11' TYP

49 50 51 52 53 54

(A) PAVEMENT MARKING EPOXY 4-INCH WHITE

(B) PAVEMENT MARKING EPOXY 4-INCH DOUBLE YELLOW

(C) PAVEMENT MARKING ARROWS BIKE LANE EPOXY

(D) PAVEMENT MARKING SYMBOLS BIKE LANE EPOXY

(F) PAVEMENT MARKING CROSSWALK EPOXY 6-INCH

(G) PAVEMENT MARKING EPOXY 4-INCH WHITE: 3' LINE, 9' GAP

PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE.	COUNTY: SHEBOYGAN	PERMANENT SIGNING AND PAVEMENT MARKING	SHEET 71	E

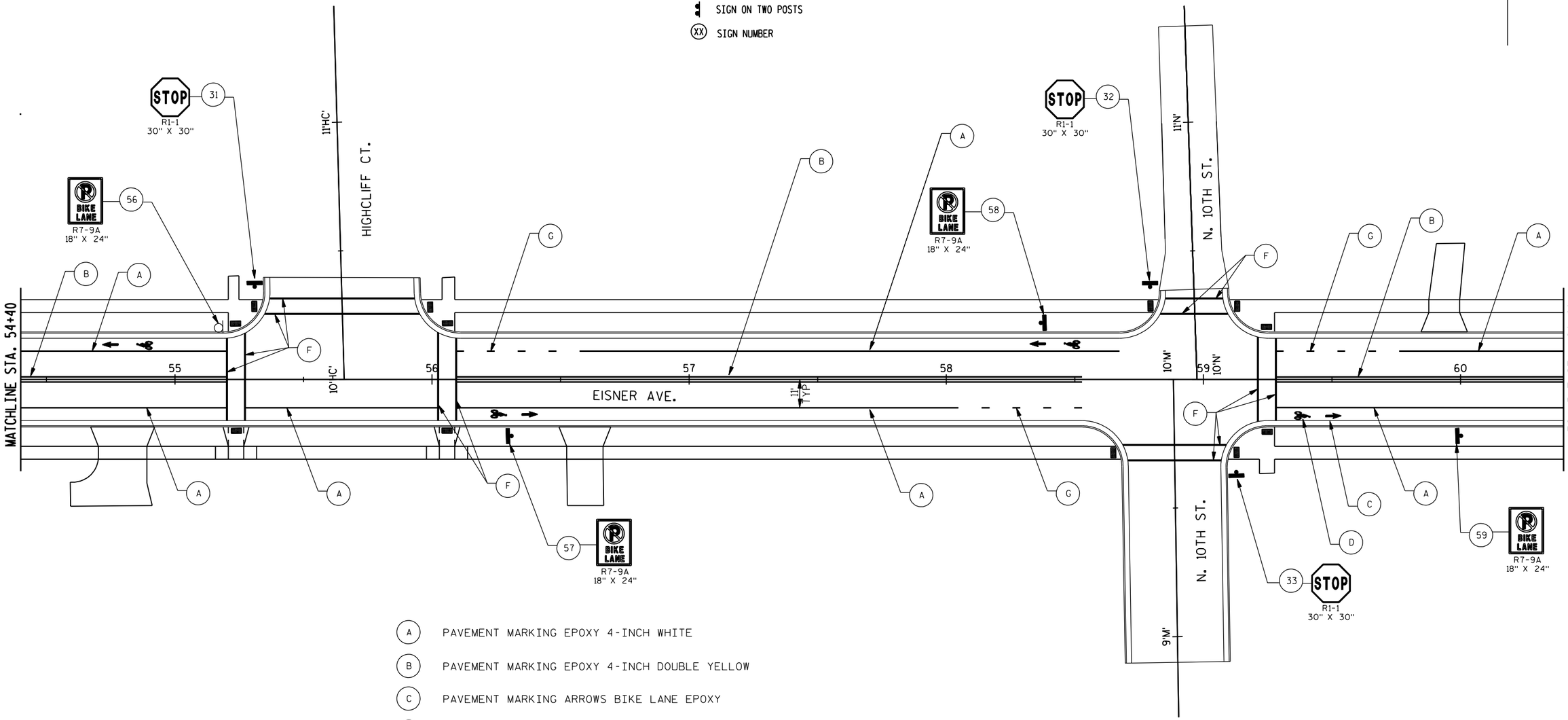
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BATCH PRINT SHEET 8 OF 13
PRINTER DRIVER: L:\library\TPN_CADstds\Workspace-Clients\WisDOT\Microstation\Resources\MS_Printing\Printer_Drivers\ET_PDF_11 x 17.plt
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PLOT DATE: 10/23/2012
PLOT TIME: 10:30:18 AM
PLOT SCALE: 1:40
WISDOT/CADDS SHEET 42

2

LEGEND

- SIGN ON LIGHT POLE
- SIGN ON SINGLE POST
- SIGN ON TWO POSTS
- (XX) SIGN NUMBER

N



(A) PAVEMENT MARKING EPOXY 4-INCH WHITE

(B) PAVEMENT MARKING EPOXY 4-INCH DOUBLE YELLOW

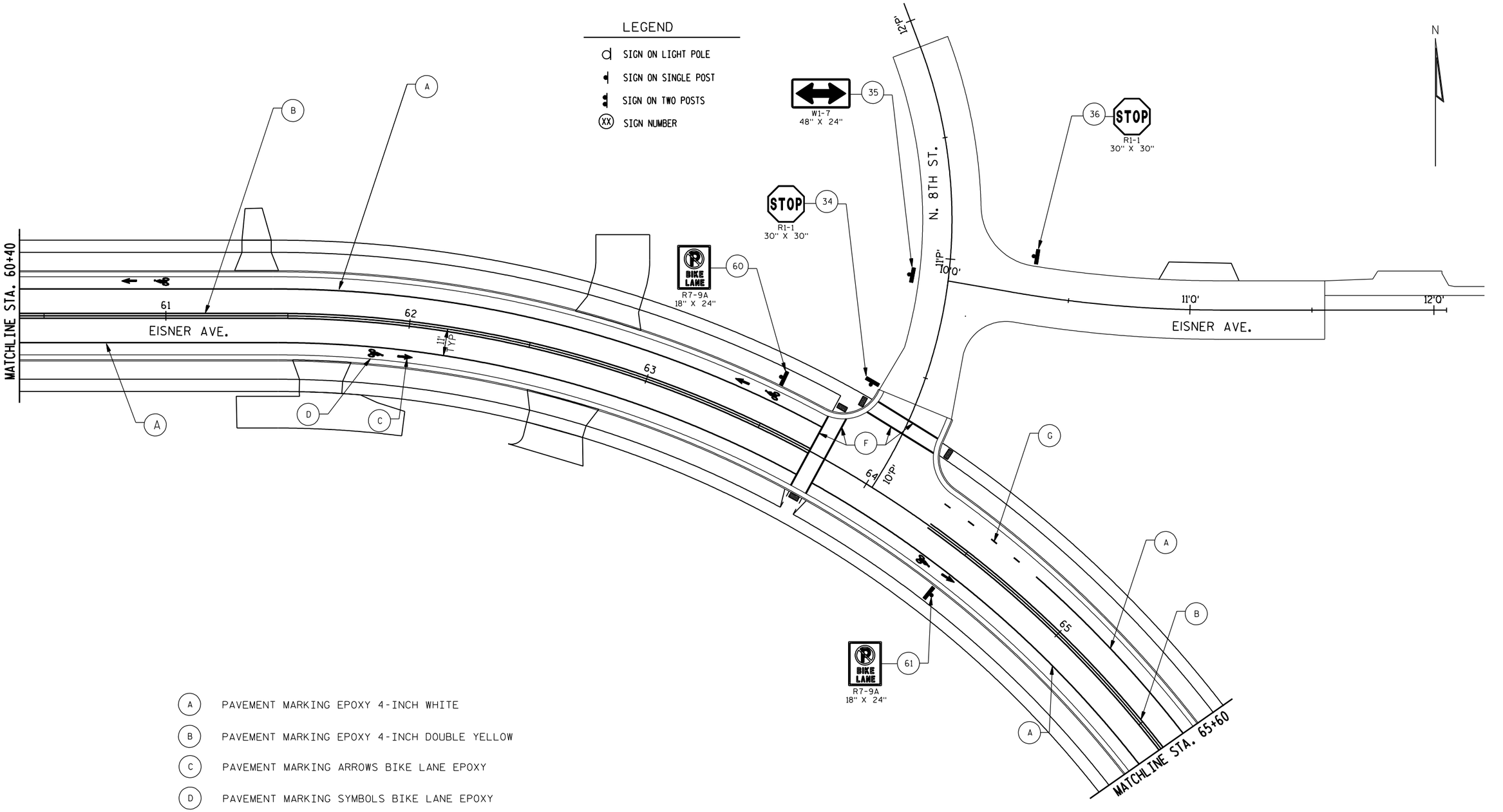
(C) PAVEMENT MARKING ARROWS BIKE LANE EPOXY

(D) PAVEMENT MARKING SYMBOLS BIKE LANE EPOXY

(F) PAVEMENT MARKING CROSSWALK EPOXY 6-INCH

(G) PAVEMENT MARKING EPOXY 4-INCH WHITE: 3' LINE, 9' GAP

2



(A) PAVEMENT MARKING EPOXY 4-INCH WHITE

(B) PAVEMENT MARKING EPOXY 4-INCH DOUBLE YELLOW

(C) PAVEMENT MARKING ARROWS BIKE LANE EPOXY

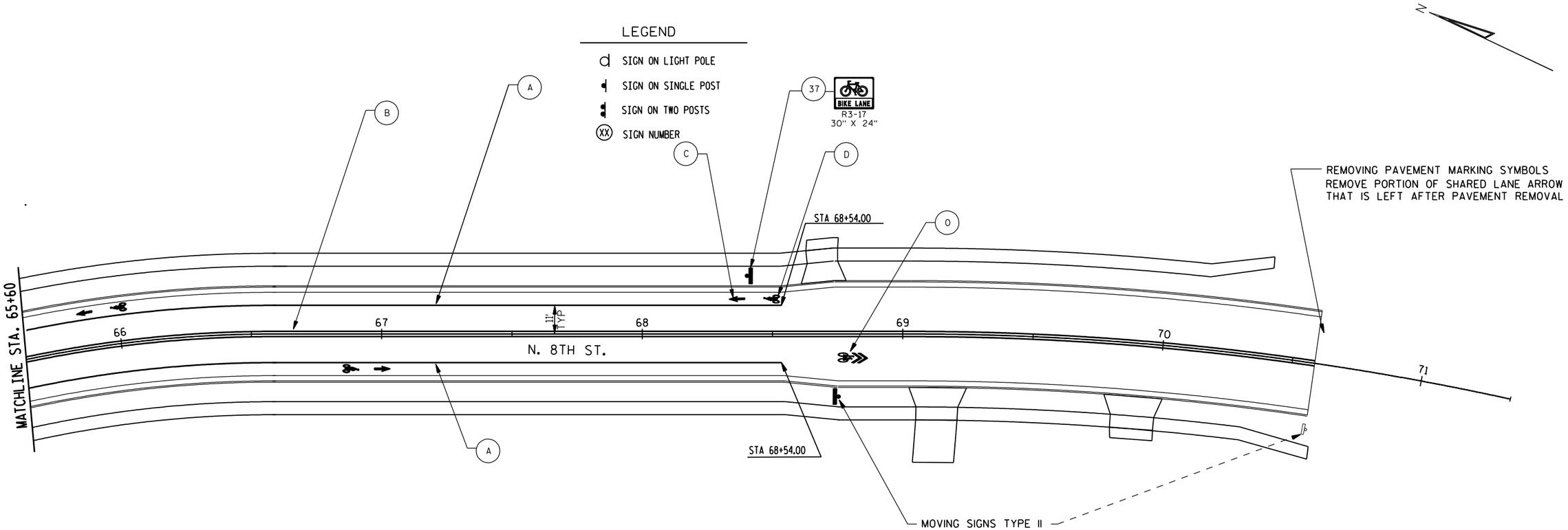
(D) PAVEMENT MARKING SYMBOLS BIKE LANE EPOXY

(F) PAVEMENT MARKING CROSSWALK EPOXY 6-INCH

(G) PAVEMENT MARKING EPOXY 4-INCH WHITE: 3' LINE, 9' GAP

FILE NAME: l:\work\60164548\000_cadd\civil\023210_ps.dgn
BATCH PRINT SHEET 10 OF 13
PRINTER DRIVER: L:\library\TPN_CADstds\Workspace-Clients\WisDOT\Microstation\Resources\MS_Printing\Printer_Drivers\ET_PDF_11 x 17.plt
PEN TABLE: L:\work\60164548\000_CADD\CIVIL\MS_Printing\Pen_Tables\ET_WisDOT.tbl
PLOT DATE: 10/23/2012
PLOT TIME: 10:30:24 AM
PLOT SCALE: 1:40
WISDOT/CADDS SHEET 42

2



(A) PAVEMENT MARKING EPOXY 4-INCH WHITE

(B) PAVEMENT MARKING EPOXY 4-INCH DOUBLE YELLOW

(C) PAVEMENT MARKING ARROWS BIKE LANE EPOXY

(D) PAVEMENT MARKING SYMBOLS BIKE LANE EPOXY

(O) PAVEMENT MARKING SYMBOLS BIKE SHARED LANE EPOXY

FILE NAME: l:\work\60164548\000_cadd\civil\023211_ps.dgn
BATCH PRINT SHEET 11 OF 13
PRINTER DRIVER: L:\library\TPN_CADstds\Workspace-Clients\WisDOT\Microstation\Resources\MS_Printing\Printer_Drivers\ET_PDF_11 x 17.plt
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WISDOT/CADDS SHEET 42

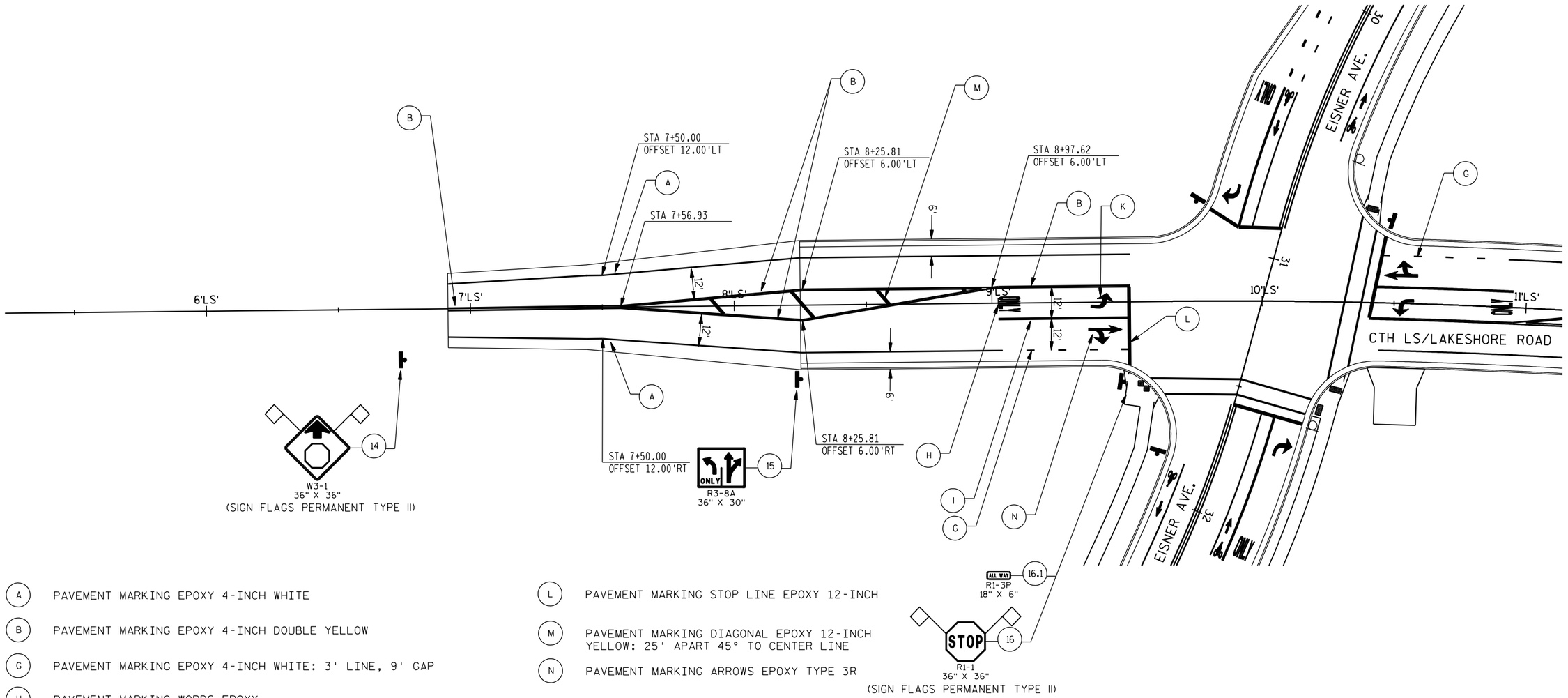
2

LEGEND

- SIGN ON LIGHT POLE
- SIGN ON SINGLE POST
- SIGN ON TWO POSTS
- (XX) SIGN NUMBER

N

SEE EISNER AVENUE SHEETS FOR
EISNER AVENUE SIGNING AND MARKING



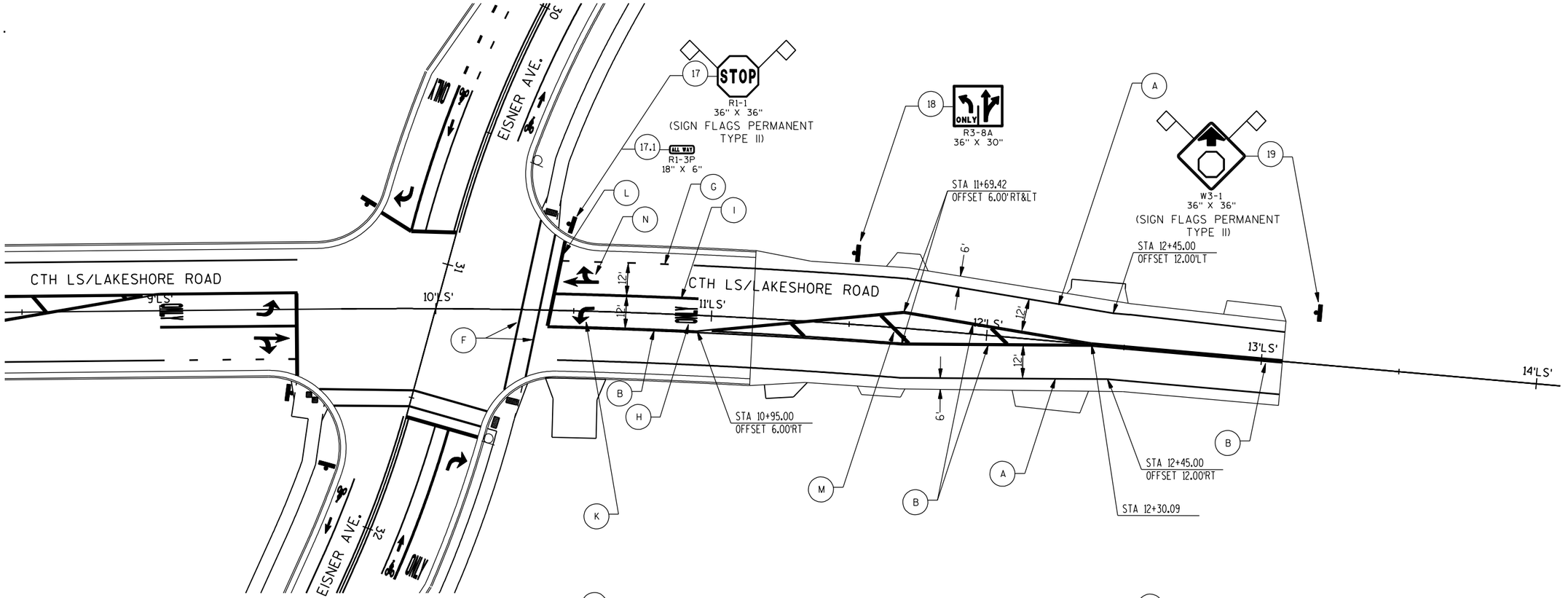
- (A) PAVEMENT MARKING EPOXY 4-INCH WHITE
- (B) PAVEMENT MARKING EPOXY 4-INCH DOUBLE YELLOW
- (G) PAVEMENT MARKING EPOXY 4-INCH WHITE: 3' LINE, 9' GAP
- (H) PAVEMENT MARKING WORDS EPOXY
- (I) PAVEMENT MARKING EPOXY 8-INCH WHITE
- (K) PAVEMENT MARKING ARROWS EPOXY TYPE 2
- (L) PAVEMENT MARKING STOP LINE EPOXY 12-INCH
- (M) PAVEMENT MARKING DIAGONAL EPOXY 12-INCH YELLOW: 25' APART 45° TO CENTER LINE
- (N) PAVEMENT MARKING ARROWS EPOXY TYPE 3R

2

LEGEND

- SIGN ON LIGHT POLE
- SIGN ON SINGLE POST
- SIGN ON TWO POSTS
- (XX) SIGN NUMBER

SEE EISNER AVENUE SHEETS FOR
EISNER AVENUE SIGNING AND MARKING



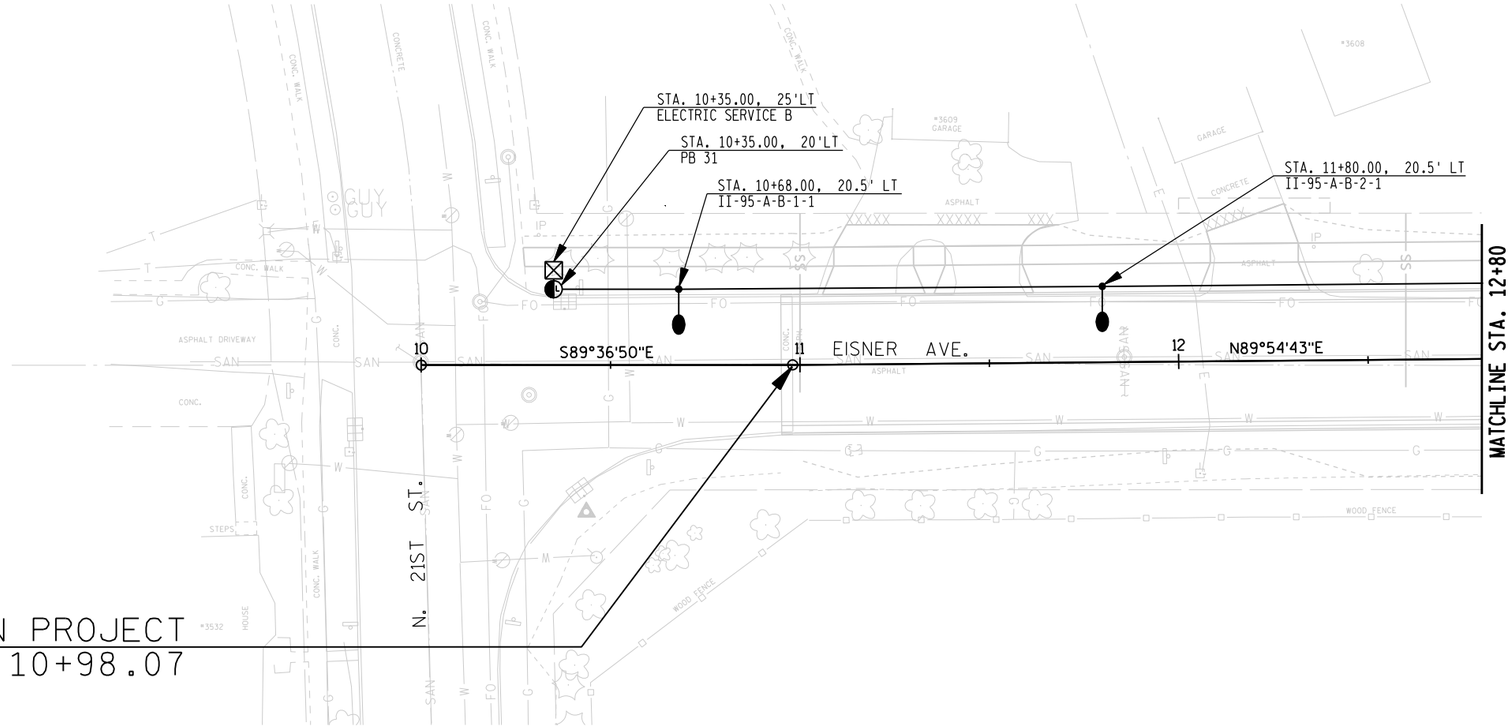
- (A) PAVEMENT MARKING EPOXY 4-INCH WHITE
- (B) PAVEMENT MARKING EPOXY 4-INCH DOUBLE YELLOW
- (F) PAVEMENT MARKING CROSS WALK EPOXY 6-INCH
- (G) PAVEMENT MARKING EPOXY 4-INCH WHITE: 3' LINE, 9' GAP
- (H) PAVEMENT MARKING WORDS EPOXY
- (I) PAVEMENT MARKING EPOXY 8-INCH WHITE
- (K) PAVEMENT MARKING ARROWS EPOXY TYPE 2
- (L) PAVEMENT MARKING STOP LINE EPOXY 12-INCH
- (M) PAVEMENT MARKING DIAGONAL EPOXY 12-INCH YELLOW: 25' APART 45° TO CENTER LINE
- (N) PAVEMENT MARKING ARROWS EPOXY TYPE 3R

PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE.	COUNTY: SHEBOYGAN	PERMANENT SIGNING AND MARKING PLAN	SHEET 76	E

FILE NAME: l:\work\60164548\000_cadd\civil\023204b_ps.dgn
BATCH PRINT SHEET 13 OF 13
PRINTER DRIVER: L:\library\TPN_CADstds\Workspace-Clients\WisDOT\Microstation\Resources\MS_Printing\Printer_Drivers\ET_PDF_11 x 17.plt
PEN TABLE: L:\work\60164548\000_CADD\CIVIL\MS_Printing\Pen_Tables\ET_WisDOT.tbl
PLOT DATE: 10/23/2012
PLOT TIME: 10:30:33 AM
PLOT SCALE: 1:40
WISDOT/CADDS SHEET 42

2

N



LIGHTING PLAN LEGEND

- ELECTRIC SERVICE
- LIGHTING PULL BOX
- STREET LIGHTING UNIT "A"
- CONDUIT (2" NON-METALLIC UNLESS OTHERWISE NOTED)

STREET LIGHTING UNIT DESCRIPTION -

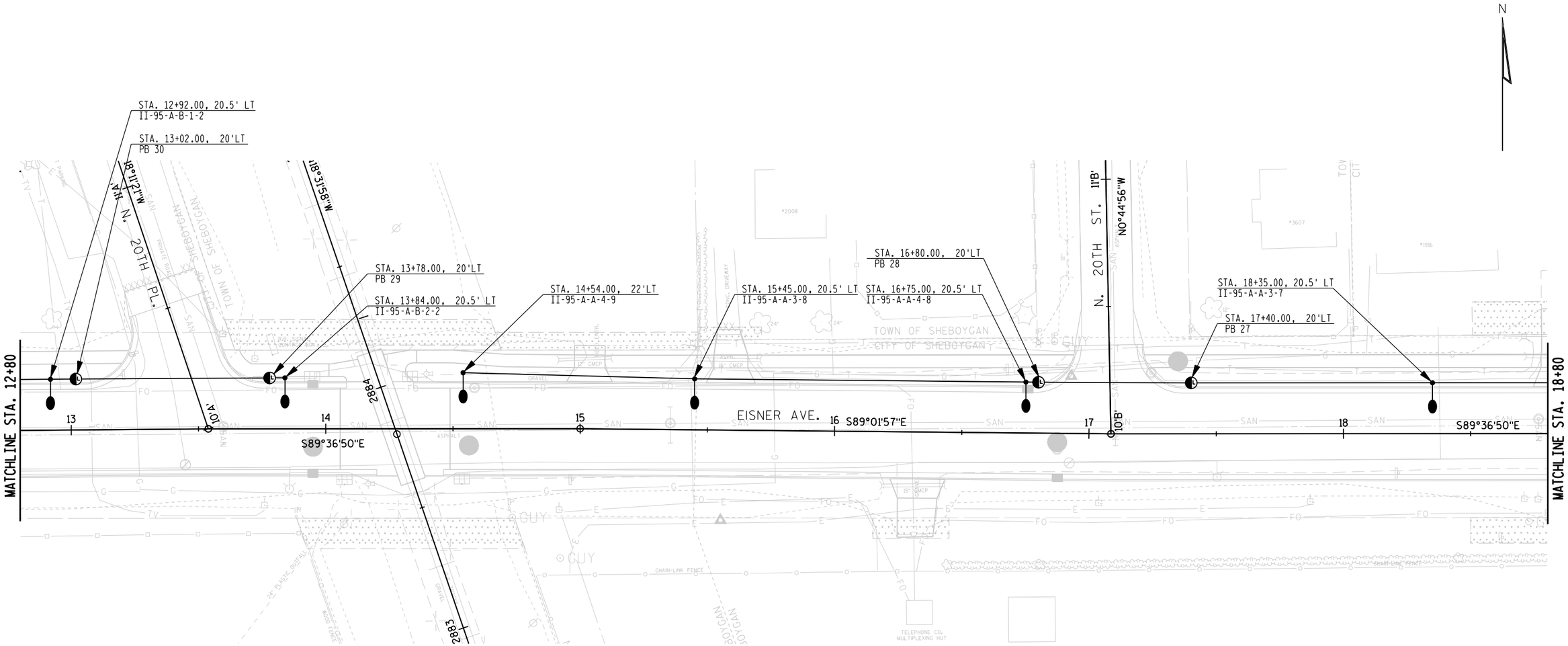
STA. 113+77, 20.5' LT
II-95-A-A-1-2

- CIRCUIT
- LIGHTING UNIT TYPE
- LAMP WATTAGE
- IES/ANSI DISTRIBUTION TYPE

PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE.	COUNTY: SHEBOYGAN	LIGHTING PLAN	SHEET 77	E

FILE NAME: L:\work\60164548\000_CADD\CIVIL\023501_lp.dgn
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PRINTER DRIVER: L:\library\TPN_CADstds\Workspace-Clients\WisDOT\Microstation\Resources\MS_Printing\Printer_Drivers\ET_PDF_11 x 17.plt
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PLOT DATE: 10/26/2012
PLOT TIME: 11:25:22 AM
PLOT SCALE: 1:40

2



LIGHTING PLAN LEGEND

- ELECTRIC SERVICE
- LIGHTING PULL BOX
- STREET LIGHTING UNIT "A"
- CONDUIT (2" NON-METALLIC UNLESS OTHERWISE NOTED)

STREET LIGHTING UNIT DESCRIPTION -

STA. 113+77, 20.5' LT
II-95-A-A-1-2

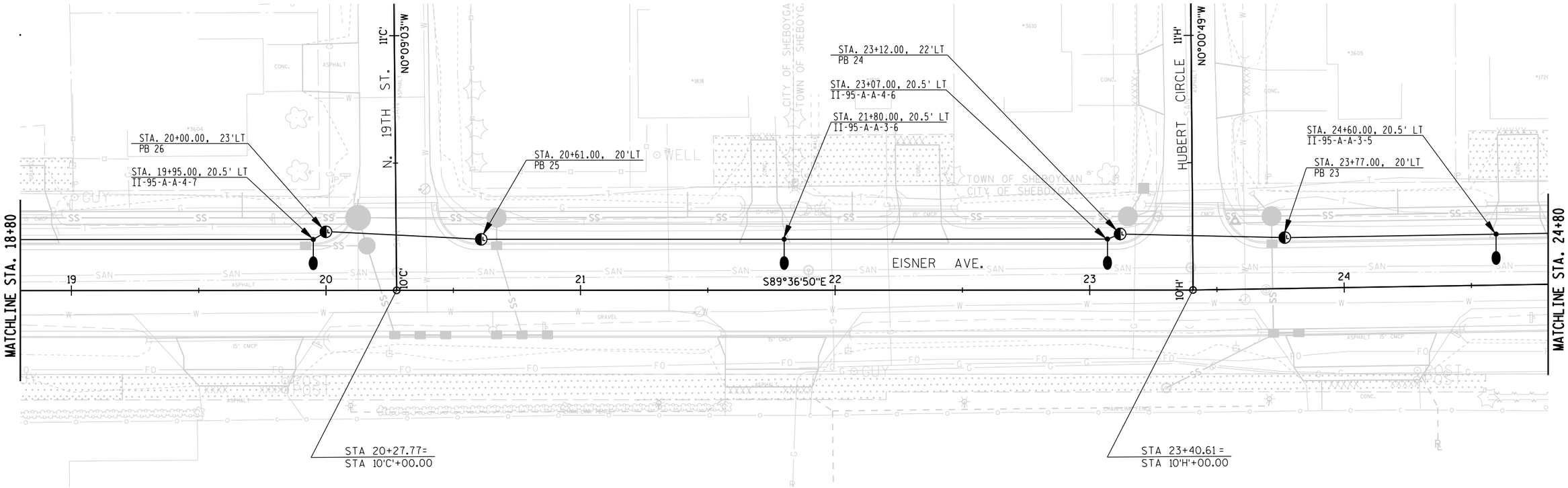
- CIRCUIT
- LIGHTING UNIT TYPE
- LAMP WATTAGE
- IES/ANSI DISTRIBUTION TYPE

PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE.	COUNTY: SHEBOYGAN	LIGHTING PLAN	SHEET 78	E

FILE NAME: L:\work\60164548\000_CADD\CIVIL\023502_lp.dgn
BATCH PRINT SHEET OF
PRINTER DRIVER: L:\library\TPN_CADstds\Workspace-Clients\WisDOT\Microstation\Resources\MS_Printing\Printer_Drivers\ET_PDF_11 x 17.plt
PEN TABLE: L:\work\60164548\000_CADD\CIVIL\MS_Printing\Pen_Tables\ET_WisDOT - lighting.tbl
PLOT DATE: 10/26/2012
PLOT TIME: 11:32:24 AM
PLOT SCALE: 1:40

2

N



LIGHTING PLAN LEGEND

- ELECTRIC SERVICE
- LIGHTING PULL BOX
- STREET LIGHTING UNIT "A"
- CONDUIT (2" NON-METALLIC UNLESS OTHERWISE NOTED)

STREET LIGHTING UNIT DESCRIPTION -

STA. 113+77, 20.5' LT
II-95-A-A-1-2

- CIRCUIT
- LIGHTING UNIT TYPE
- LAMP WATTAGE
- IES/ANSI DISTRIBUTION TYPE

PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE.	COUNTY: SHEBOYGAN	LIGHTING PLAN	SHEET 79	E

FILE NAME: L:\work\60164548\000_CADD\CIVIL\023503_lp.dgn
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PRINTER DRIVER: L:\library\TPN_CADstds\Workspace-Clients\WisDOT\Microstation\Resources\MS_Printing\Printer_Drivers\ET_PDF_11 x 17.plt
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PLOT DATE: 10/26/2012
PLOT TIME: 11:33:51 AM
PLOT SCALE: 1:40

2

N

MATCHLINE STA. 24+80

N. 17TH ST.

11TH

LAKESHORE RD. (CTH LS)

EISNER AVE.

STA. 27+10.00, 20'LT
PB 22

STA. 26+14.00, 20.5' LT
II-95-A-A-4-5

STA. 27+70.00, 22'LT
PB 21

STA. 29+14.00, 20.5' LT
II-95-A-A-4-4

STA. 30+58.00, 24'LT
PB 19

STA. 30+55.00, 20.5' LT
II-95-A-A-3-3

STA. 27+74.00, 20.5' LT
II-95-A-A-3-4

STA 27+52.56 =
STA 10'D'+00.00

TOWN OF SHEBOYGAN
CITY OF SHEBOYGAN

25 26 27 28 29 30

LIGHTING PLAN LEGEND

- ELECTRIC SERVICE
- LIGHTING PULL BOX
- STREET LIGHTING UNIT "A"
- CONDUIT (2" NON-METALLIC UNLESS OTHERWISE NOTED)

STREET LIGHTING UNIT DESCRIPTION -

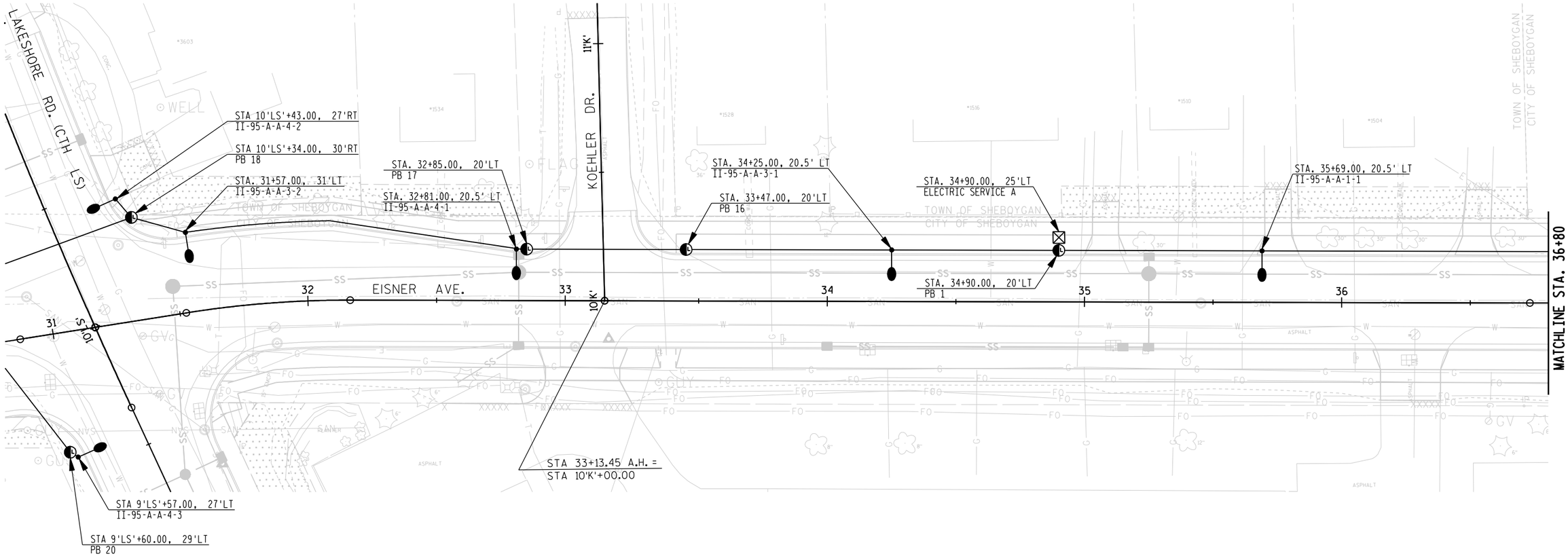
STA. 113+77, 20.5' LT
II-95-A-A-1-2

- II-95-A-A-1-2 — IES/ANSI DISTRIBUTION TYPE
- 95 — LAMP WATTAGE
- A — LIGHTING UNIT TYPE
- 1 — CIRCUIT

PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE.	COUNTY: SHEBOYGAN	LIGHTING PLAN	SHEET 80	E

FILE NAME: L:\work\60164548\000_CADD\CIVIL\023504_lp.dgn
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PRINTER DRIVER: L:\library\TPN_CADstds\Workspace-Clients\WisDOT\Microstation\Resources\MS_Printing\Printer_Drivers\ET_PDF_11 x 17.plt
PEN TABLE: L:\work\60164548\000_CADD\CIVIL\MS_Printing\Pen_Tables\ET_WisDOT - lighting.tbl
PLOT DATE: 10/26/2012
PLOT TIME: 11:34:30 AM
PLOT SCALE: 1:40
WISDOT/CADDS SHEET 42

2



LIGHTING PLAN LEGEND

- ELECTRIC SERVICE
- LIGHTING PULL BOX
- STREET LIGHTING UNIT "A"
- CONDUIT (2" NON-METALLIC UNLESS OTHERWISE NOTED)

STREET LIGHTING UNIT DESCRIPTION -

STA. 113+77, 20.5' LT
II-95-A-A-1-2

- CIRCUIT
- LIGHTING UNIT TYPE
- LAMP WATTAGE
- IES/ANSI DISTRIBUTION TYPE

PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE.	COUNTY: SHEBOYGAN	LIGHTING PLAN	SHEET 81	E

FILE NAME: L:\work\60164548\000_CADD\CIVIL\023505_lp.dgn
BATCH PRINT SHEET OF
PRINTER DRIVER: L:\library\TPN_CADstds\Workspace-Clients\WisDOT\Microstation\Resources\MS_Printing\Printer_Drivers\ET_PDF_11 x 17.plt
PEN TABLE: L:\work\60164548\000_CADD\CIVIL\MS_Printing\Pen_Tables\ET_WisDOT - lighting.tbl
PLOT DATE: 10/26/2012
PLOT TIME: 11:35:08 AM
PLOT SCALE: 1:40
WISDOT/CADDS SHEET 42

2

2

N

STA. 38+06.00, 20'LT
PB 2

STA. 37+29.00, 20.5' LT
II-95-A-A-2-1

STA. 38+68.00, 20'LT
PB 3

STA. 38+89.00, 20.5' LT
II-95-A-A-1-2

STA. 40+49.00, 20.5' LT
II-95-A-A-2-2

STA. 42+60.00, 20'LT
PB 5

STA. 42+10.00, 22'LT
PB 4

STA. 42+05.00, 20.5' LT
II-95-A-A-1-3

N. 14TH ST. 11'F'

N0°56'23"W

N. 13TH ST. 11'G'

N0°16'49"W

MATCHLINE STA. 36+80

37

S89°10'34"E

38

10'F'

39

EISNER AVE.

40

41 S88°39'54"E

42

10'G'

S88°39'54"E

MATCHLINE STA. 42+80

STA 38+39.88 =
STA 10'F'+00.00

STA 42+34.25 =
STA 10'G'+00.00

LIGHTING PLAN LEGEND

- ELECTRIC SERVICE
- LIGHTING PULL BOX
- STREET LIGHTING UNIT "A"
- CONDUIT (2" NON-METALLIC UNLESS OTHERWISE NOTED)

STREET LIGHTING UNIT DESCRIPTION -

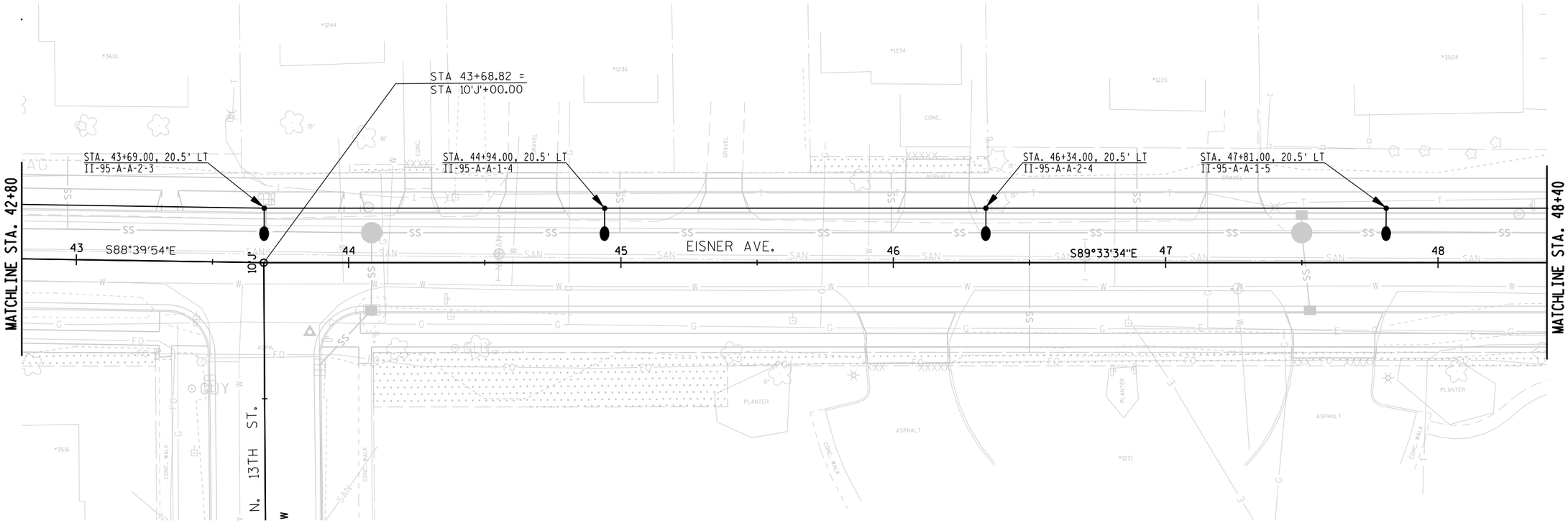
STA. 113+77, 20.5' LT
II-95-A-A-1-2

- CIRCUIT
- LIGHTING UNIT TYPE
- LAMP WATTAGE
- IES/ANSI DISTRIBUTION TYPE

PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE.	COUNTY: SHEBOYGAN		SHEET 82	E

2

N



LIGHTING PLAN LEGEND

- ELECTRIC SERVICE
- LIGHTING PULL BOX
- STREET LIGHTING UNIT "A"
- CONDUIT (2" NON-METALLIC UNLESS OTHERWISE NOTED)

STREET LIGHTING UNIT DESCRIPTION -

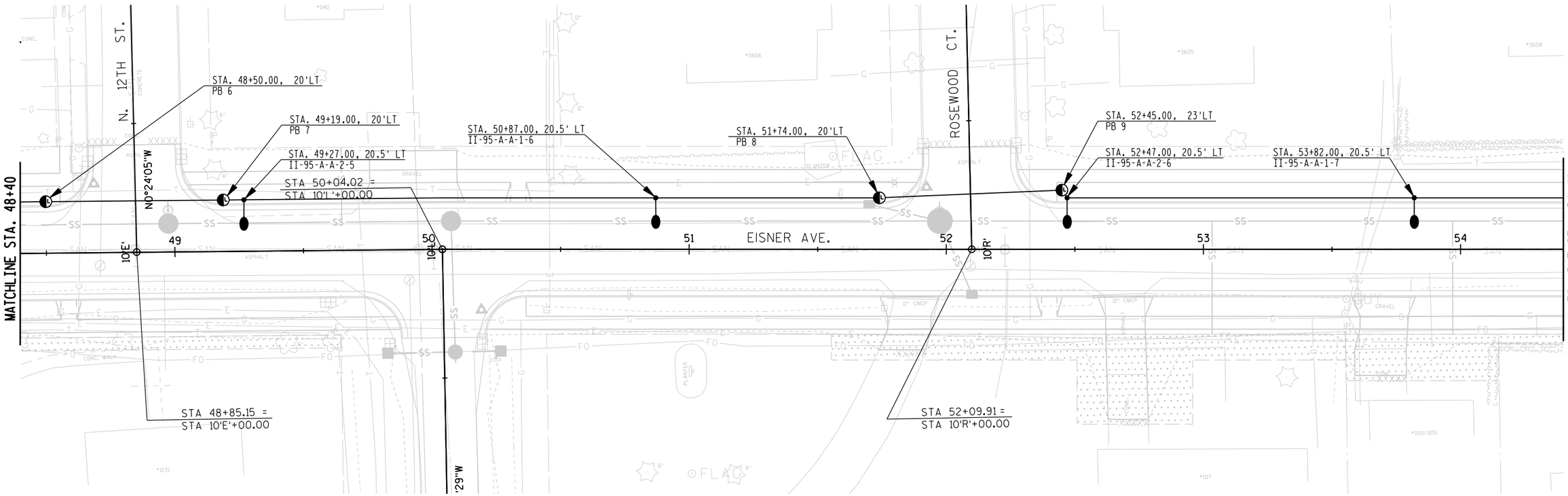
STA. 113+77, 20.5' LT
II-95-A-A-1-2

- CIRCUIT
- LIGHTING UNIT TYPE
- LAMP WATTAGE
- IES/ANSI DISTRIBUTION TYPE

PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE.	COUNTY: SHEBOYGAN	LIGHTING PLAN	SHEET 83	E

FILE NAME: L:\work\60164548\000_CADD\CIVIL\023507_lp.dgn
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PLOT DATE: 10/26/2012
PLOT TIME: 11:46:54 AM
PLOT SCALE: 1:40
WISDOT/CADDS SHEET 42

2



LIGHTING PLAN LEGEND

- ELECTRIC SERVICE
- LIGHTING PULL BOX
- STREET LIGHTING UNIT "A"
- CONDUIT (2" NON-METALLIC UNLESS OTHERWISE NOTED)

STREET LIGHTING UNIT DESCRIPTION -

STA. 113+77, 20.5' LT
II-95-A-A-1-2

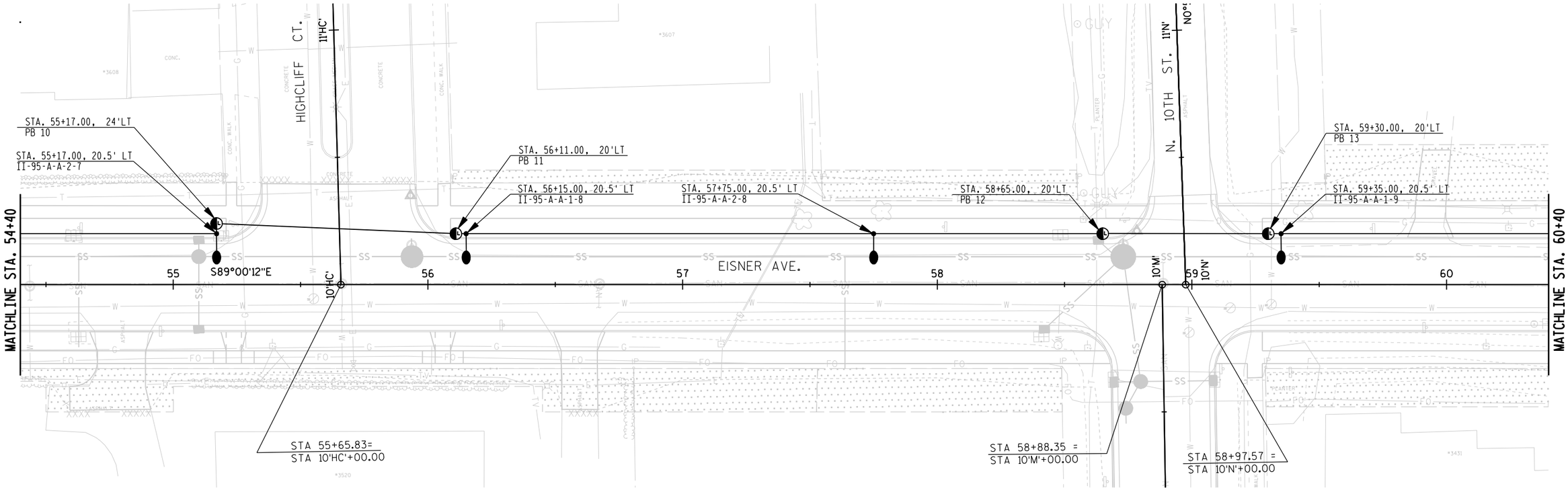
- CIRCUIT
- LIGHTING UNIT TYPE
- LAMP WATTAGE
- IES/ANSI DISTRIBUTION TYPE

PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE.	COUNTY: SHEBOYGAN	LIGHTING PLAN	SHEET 84	E

FILE NAME: L:\work\60164548\000_CADD\CIVIL\023508_lp.dgn
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PLOT DATE: 10/26/2012
PLOT TIME: 11:47:56 AM
PLOT SCALE: 1:40
WISDOT/CADDS SHEET 42

2

N



LIGHTING PLAN LEGEND

- ELECTRIC SERVICE
- LIGHTING PULL BOX
- STREET LIGHTING UNIT "A"
- CONDUIT (2" NON-METALLIC UNLESS OTHERWISE NOTED)

STREET LIGHTING UNIT DESCRIPTION -

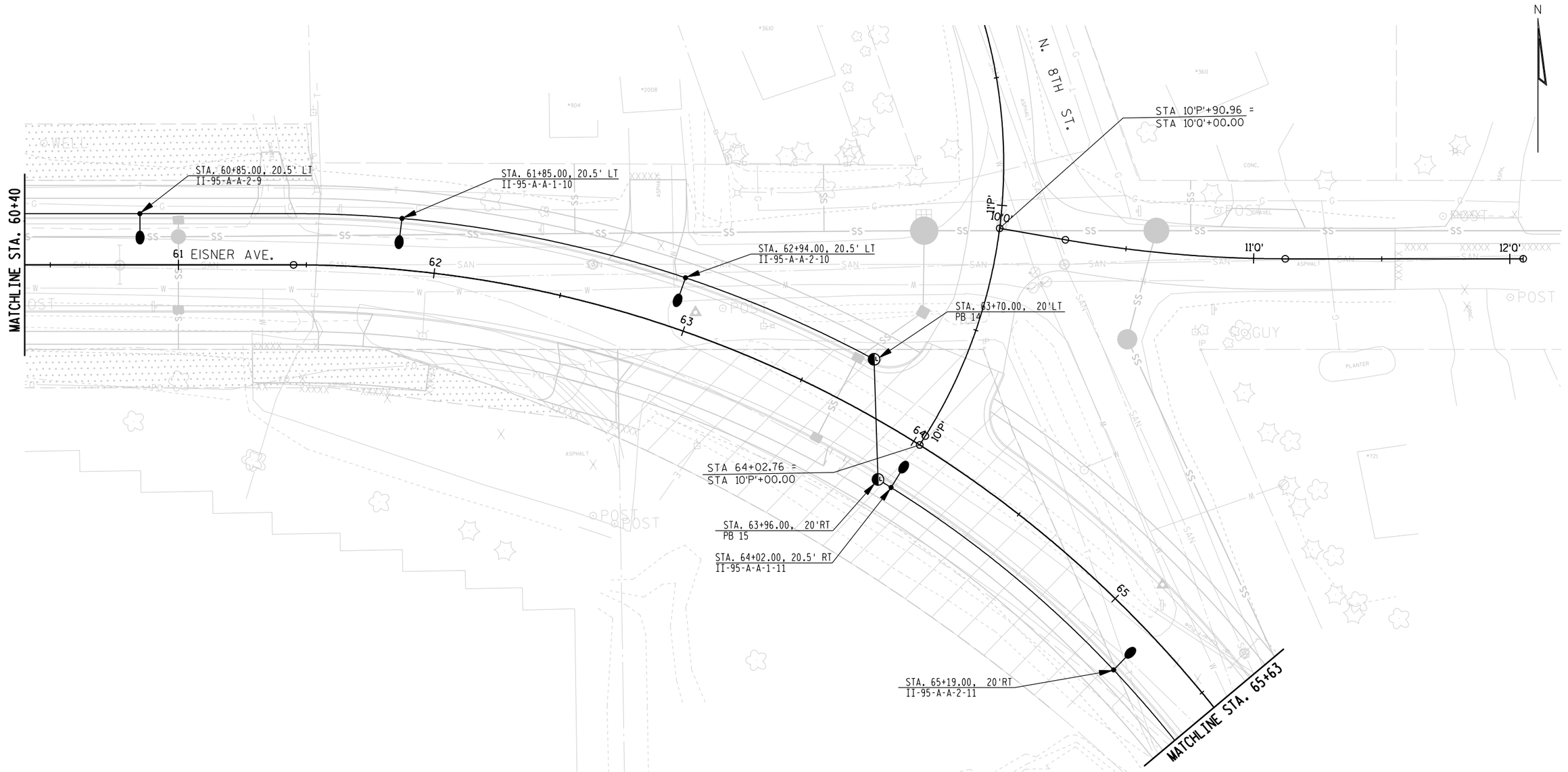
STA. 113+77, 20.5' LT
II-95-A-A-1-2

- II: CIRCUIT
- 95: LIGHTING UNIT TYPE
- A: LAMP WATTAGE
- A: IES/ANSI DISTRIBUTION TYPE
- 1: (CIRCUIT)
- 2: (CIRCUIT)

PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE.	COUNTY: SHEBOYGAN	LIGHTING PLAN	SHEET 85	E

FILE NAME: L:\work\60164548\000_CADD\CIVIL\023509_lp.dgn
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PLOT DATE: 10/26/2012
PLOT TIME: 11:48:38 AM
PLOT SCALE: 1:40

2



LIGHTING PLAN LEGEND

- ELECTRIC SERVICE
- LIGHTING PULL BOX
- STREET LIGHTING UNIT "A"
- CONDUIT (2" NON-METALLIC UNLESS OTHERWISE NOTED)

STREET LIGHTING UNIT DESCRIPTION -

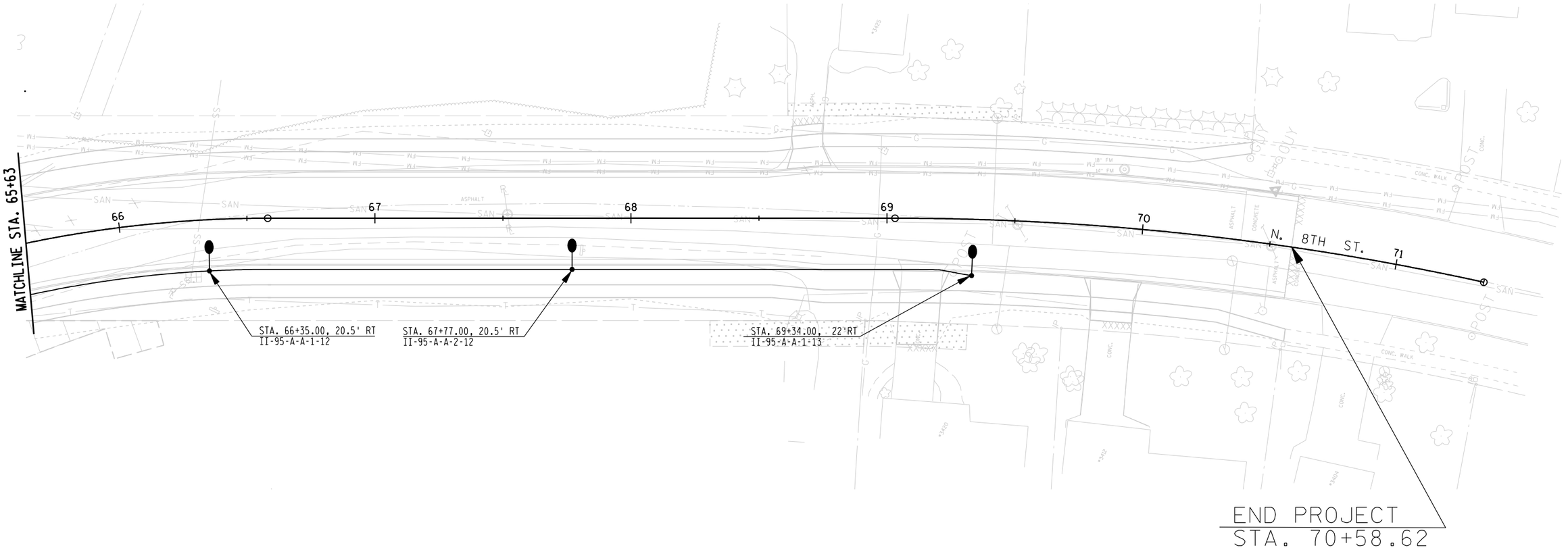
STA. 113+77, 20.5' LT
II-95-A-A-1-2

- CIRCUIT
- LIGHTING UNIT TYPE
- LAMP WATTAGE
- IES/ANSI DISTRIBUTION TYPE

PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE.	COUNTY: SHEBOYGAN	LIGHTING PLAN	SHEET 86	E

FILE NAME: L:\work\60164548\000_CADD\CIVIL\023510_lp.dgn
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PLOT DATE: 10/26/2012
PLOT TIME: 11:49:14 AM
PLOT SCALE: 1:40

2



LIGHTING PLAN LEGEND

- ELECTRIC SERVICE
- LIGHTING PULL BOX
- STREET LIGHTING UNIT "A"
- CONDUIT (2" NON-METALLIC UNLESS OTHERWISE NOTED)

STREET LIGHTING UNIT DESCRIPTION -

STA. 113+77, 20.5' LT
II-95-A-A-1-2

- CIRCUIT
- LIGHTING UNIT TYPE
- LAMP WATTAGE
- IES/ANSI DISTRIBUTION TYPE

PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE.	COUNTY: SHEBOYGAN	LIGHTING PLAN	SHEET 87	E

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PLOT DATE: 10/26/2012
PLOT TIME: 11:49:40 AM
PLOT SCALE: 1:40

SURFACE MOUNTED NEMA 1
120/240 V, 1 PHASE, 3 WIRE
RATING 35,000 A.I.C.

PANEL SCHEDULE
LP A

225A MAIN LUGS
225A MAIN BUS
225A GRD. BUS

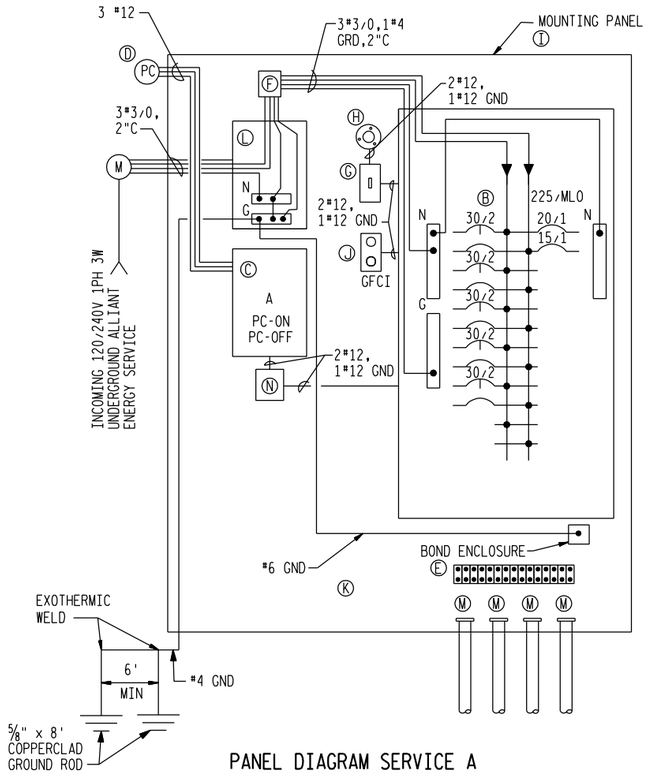
CKT. NO.	TRIP/P	DESCRIPTION	PHASE A	PHASE B	DESCRIPTION	TRIP/P	CKT. NO.
1	30/2	LIGHTING CIRCUIT-1			LIGHT AND RECEPTACLE IN ENCLOSURE	20/1	2
					CONTROL/CONTACTOR A	15/1	4
3	30/2	LIGHTING CIRCUIT-2			SPACE	-	6
					SPACE	-	8
5	30/2	LIGHTING CIRCUIT-3			SPACE	-	10
					SPACE	-	12
7	30/2	LIGHTING CIRCUIT-4			SPACE	-	14
					SPACE	-	16
9	30/2	SPARE			SPACE	-	18
					SPACE	-	20
11	-	SPACE			SPACE	-	22
13	-	SPACE			SPACE	-	24

SURFACE MOUNTED NEMA 1
120/240 V, 1 PHASE, 3 WIRE
RATING 35,000 A.I.C.

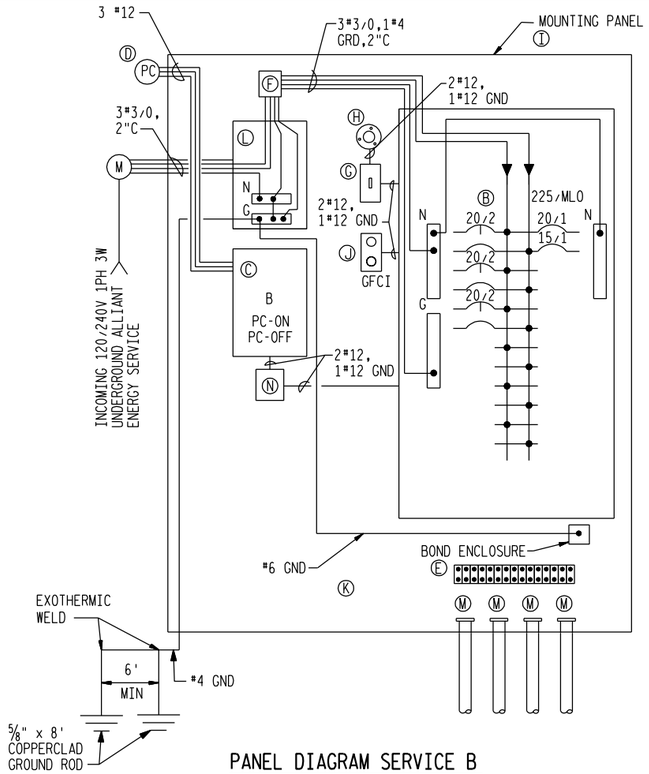
PANEL SCHEDULE
LP B

225A MAIN LUGS
225A MAIN BUS
225A GRD. BUS

CKT. NO.	TRIP/P	DESCRIPTION	PHASE A	PHASE B	DESCRIPTION	TRIP/P	CKT. NO.
1	20/2	LIGHTING CIRCUIT-1			LIGHT AND RECEPTACLE IN ENCLOSURE	20/1	2
					CONTROL/CONTACTOR B	15/1	4
3	20/2	LIGHTING CIRCUIT-2			SPACE	-	6
					SPACE	-	8
5	20/2	SPARE			SPACE	-	10
					SPACE	-	12
7	-	SPACE			SPACE	-	14
9	-	SPACE			SPACE	-	16
11	-	SPACE			SPACE	-	18
13	-	SPACE			SPACE	-	20
15	-	SPACE			SPACE	-	22
17	-	SPACE			SPACE	-	24



PANEL DIAGRAM SERVICE A



PANEL DIAGRAM SERVICE B

NOTES:

1. ALL LIGHTING CIRCUIT WIRING TYPE DIRECT BURIAL. IN ADDITION, THE CONTRACTOR SHALL PROVIDE ALL THE NECESSARY ACCESSORIES AND HARDWARE REQUIRED FOR A COMPLETE WORKING INSTALLATION.
2. GROUND WIRE REQUIRED FOR EACH LIGHTING CIRCUIT.
3. ALL CONTROL WIRING IN ENCLOSURE SHALL BE COLOR CODED #12 AWG, THWN/THHN UNLESS OTHERWISE NOTED.
4. ALL POWER AND CONTROL WIRING SHALL BE NEATLY TRAINED, LABELED AND SUPPORTED.
5. THE LIGHTING CONTROL CABINET SHALL BE COMPLETELY WIRED UP TO THE FIELD WIRING TERMINATION STRIP IN THE CONTRACTORS SHOP AND TESTED PRIOR TO INSTALLATION AT THE SITE.
6. THE CONTRACTOR SHALL COMPLY WITH ALLIANT ENERGY FOR SERVICE INSTALLATION REQUIREMENTS.
7. PROVIDE MIN. #10 AWG. FROM PANEL BOARD TO CONTACTORS AND FROM CONTACTORS TO TERMINATION STRIP (E).
8. SEAL CONDUIT OPENINGS WITH DUCT SEAL.
9. ENCLOSURE SHALL BE GROUNDED.
10. DETAILS DO NOT SHOW BRANCH CIRCUITS TERMINATING TO CABINET. REFER TO PLANS REGARDING CIRCUITS PENETRATING LIGHTING CABINET.

EQUIPMENT:

(A) ELECTRICAL CONTRACTOR SHALL ARRANGE FOR A ALLIANT ENERGIES APPROVED 0-200A, 1PH, 3W, 120/240V MAIN BREAKER TYPE METER PEDESTAL WITH PADLOCK PROVISIONS IN THE ON AND OFF POSITION. TIME AND USE METER BY WE ENERGIES.

(B) 225A MLO, 120/240V, 1 PH, 3W, 24-POLE PANEL BOARD WITH THE FOLLOWING BRANCH BREAKERS: (LIGHTING PANEL A), 5-30A/2P, 1-20A/1P, 1-15A/1P, (LIGHTING PANEL B), 3-20A/2P, 1-20A/1P, 1-15A/1P. ALL CIRCUIT BREAKERS RATED 35K AIC, MIN.BOLT-ON. PROVIDE COPPER BUS AS INDICATED. PROVIDE SPARE CIRCUIT BREAKERS AS INDICATED.

(C) SERVICE A, 10-POLE, MIN 30A, RATED 240V, HEAVY DUTY TYPE RATED FOR BALLAST LIGHTING LOAD. MECHANICALLY OPERATED, ELECTRICALLY HELD CONTACTOR WITH 120V CONTROL COIL, 2 WIRE INTERFACE RELAY AND LEGEND PLATE IN FACTORY ASSEMBLED NEMA 1 ENCLOSURE.
SERVICE B, 6-POLE, MIN 30A, RATED 240V, HEAVY DUTY TYPE RATED FOR BALLAST LIGHTING LOAD. MECHANICALLY OPERATED, ELECTRICALLY HELD CONTACTOR WITH 120V CONTROL COIL, 2 WIRE INTERFACE RELAY AND LEGEND PLATE IN FACTORY ASSEMBLED NEMA 1 ENCLOSURE.

(D) PHOTOCELL MOUNTED ON ENCLOSURE.

(E) FIELD WIRING TERMINATION STRIP, QUANTITY AS REQUIRED FOR WIRING. SQUARE D #LBA162101 OR EQUAL. PROVIDE TERMINATIONS FOR NEUTRALS AND CURRENT CARRYING CONTRACTORS, RATED 600V., TIN PLATED COPPER, 1P, 1#14-2/0 MAIN, 1-#14-2/0 BRANCH.

(F) SURGE ARRESTER, (2P-650V)

(G) SINGLE POLE, 15A SWITCH IN A NEMA 1 ENCLOSURE WITH PORCELAIN LAMP HOLDER, RATED AT 120/277 VAC.

(H) PORCELAIN LAMP HOLDER, 600W, 600V, MOUNTED ON A NEMA 1 ENCLOSURE, WITH 25W, 120V INCANDESCENT LAMP.

(I) LIGHTING CONTROL CABINET SHALL BE MOUNTED ON A CONTROL CABINET BASE. CONTRACTOR SHALL VERIFY CABINET SIZE AND ADJUST AS NECESSARY. VERIFY WITH ENGINEER.

(J) 20A, 2 POLE, 3W GFCI DUPLEX RECEPTACLE MOUNTED IN A NEMA 1 ENCLOSURE, RATED AT 120/277 VAC.

(K) ELECTRICAL CONTRACTOR TO DETERMINE EXACT SIZE CONTROL CABINET.

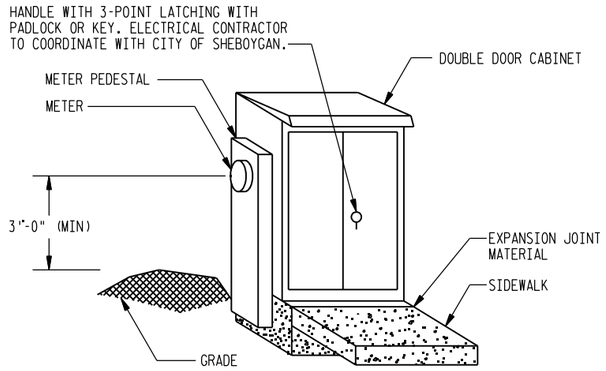
(L) 200A, 2 POLE 120/240V SINGLE PHASE, 3W ENCLOSED MAIN CIRCUIT BREAKER, UL SUITABLE FOR SERVICE ENTRANCE IN NEMA 1 ENCLOSURE. 35K AIC. MIN.

(M) CONDUIT TO PULLBOXES SHALL BE CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH.

(N) 3 POSITION SWITCH MARKED "ON, OFF, AUTO", TO BYPASS THE PHOTO CONTROL. LABEL SWITCH "PHOTO CONTROL BYPASS".

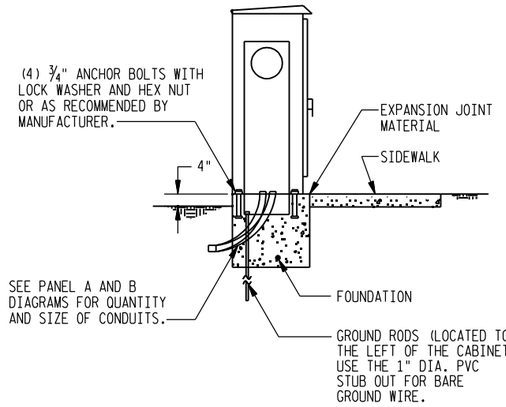
NOTES:

1. ELECTRICAL CONTRACTOR TO PROVIDE GRAVEL BASE AND REINFORCEMENT AS REQUIRED FOR STRUCTURAL INTEGRITY OF CONCRETE FOUNDATION.
2. CABINET TO OPEN TOWARDS WALKWAY.
3. CAP SPARE CONDUITS



CABINET VIEW FOR A AND B

NOTE: THIS DETAIL DOES NOT SHOW BRANCH CIRCUITS TERMINATING TO CABINET. REFER TO PLANS REGARDING CIRCUITS PENETRATING LIGHTING CABINET.



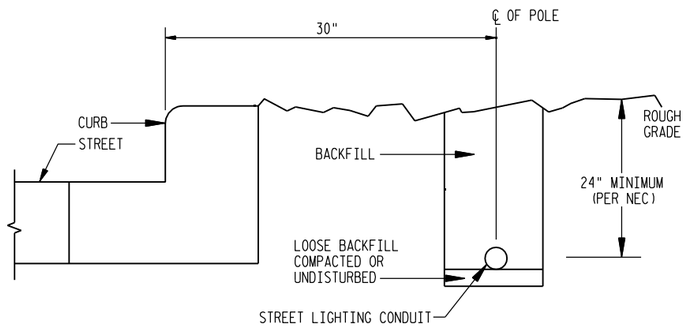
LEFT SIDE VIEW OF CABINET FOR SERVICE A AND B

NOTES

1. ALL CONTROL WIRING SHALL BE COLOR CODED #12 AWG, USE UNLESS OTHERWISE NOTED.
2. ALL POWER AND CONTROL WIRING SHALL BE NEATLY TRAINED, LABELLED AND SUPPORTED.
3. THE LIGHTING CONTROL CABINET SHALL BE COMPLETELY WIRED UP TO THE FIELD WIRING TERMINATION STRIP IN THE CONTRACTORS SHOP AND TESTED PRIOR TO INSTALLATION AT THE SITE.
4. THE CONTRACTOR SHALL COMPLY WITH ALLIANT ENERGY FOR SERVICE INSTALLATION REQUIREMENTS.
5. EXTEND APPROPRIATELY SIZED CONDUCTORS FROM THE CONTACTORS TO THE FIELD TERMINATION STRIP.
6. SEAL CONDUIT OPENINGS WITH DUCT SEAL.
7. ENCLOSURE SHALL BE GROUNDED.
8. SEE PANEL DETAILS FOR PANEL DIAGRAMS, EQUIPMENT AND SCHEDULES.
9. FOR LIGHTING CONTROL CABINETS A AND B SEE S.D.D. SIGNAL OR LIGHTING CONTROL CABINET. CABINET SHALL BE TYPE 304 14 GAUGE STAINLESS STEEL.

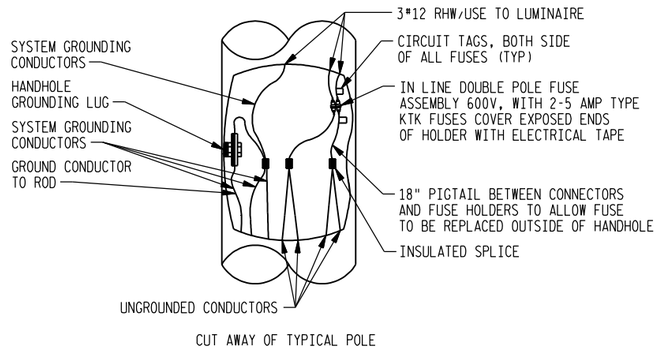
LIGHTING CONTROL CABINETS FOR SERVICE A AND B

NTS



CONDUIT LOCATION DETAIL

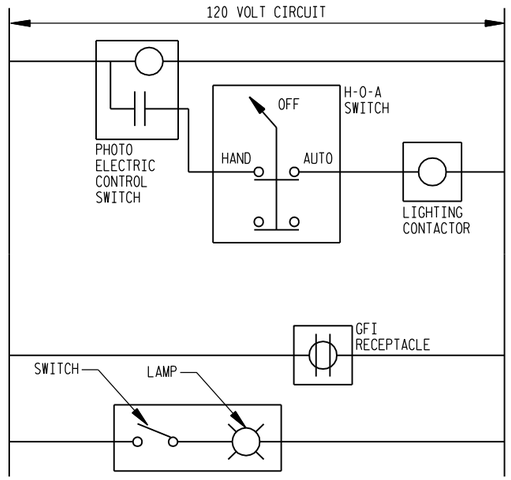
NTS



CUT AWAY OF TYPICAL POLE

POLE LIGHTING DETAIL AT HANDHOLE-LUMINAIRE TYPE A

NTS

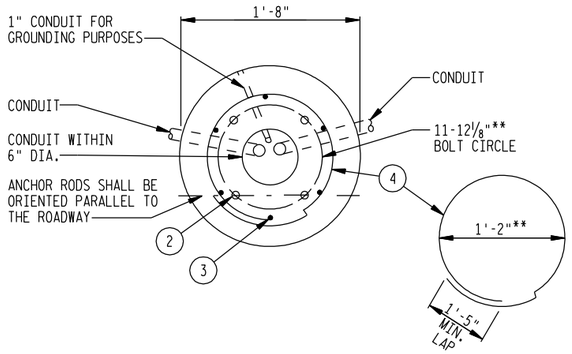


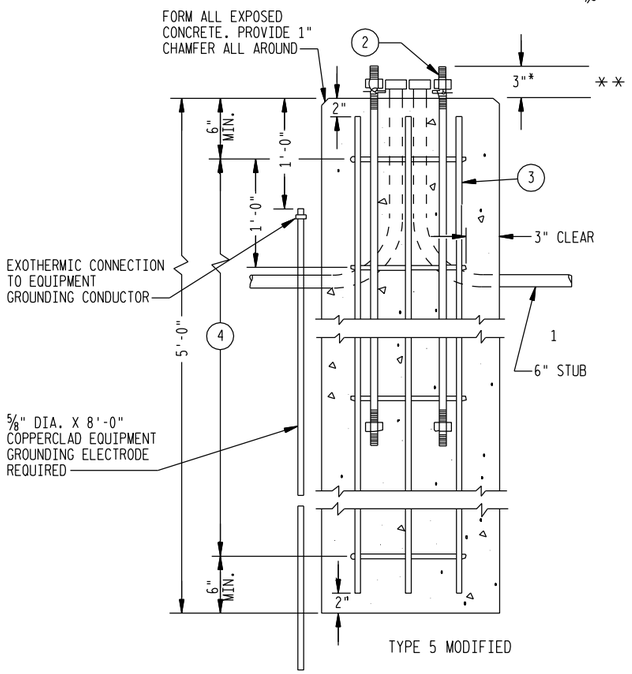
TYPICAL LIGHTING CONTROL CABINETS A AND B - CONTROLS DIAGRAM

NTS

PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE.	COUNTY: SHEBOYGAN	LIGHTING DETAILS	SHEET 89	E

FILE NAME: L:\work\60164548\000_CADD\CIVIL\023513_lp.dgn
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PLOT DATE: 10/26/2012
PLOT TIME: 11:50:54 AM
PLOT SCALE: 1:2
WISDOT/CADDS SHEET 42





CONCRETE BASE FOR LUMINAIRE - SPV. 0060.05
NTS

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

BASES SHALL BE EXCAVATED BY USE OF A CIRCULAR AUGER.

TOP SURFACES OF CONCRETE BASES SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

CONDUIT SIZES AND LOCATIONS SHALL BE AS SHOWN ON THE PLANS.

THE FINAL OR TERMINATING CONCRETE BASE IN A CONDUIT RUN SHALL HAVE A 6" EXIT STUB INSTALLED FOR FUTURE CABLING USE. THE EXIT STUB SHALL BE SIZED AS USED THROUGHOUT THE CONDUIT RUN AS SHOWN AT THE ENTRANCE OF THE BASE.

MINIMUM BENDING RADIUS OF CONDIT IS EQUAL TO 6 X THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASES SHALL BE 1 INCH. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF CONCRETE BASES BEFORE INSTALLATION OF CABLE OR WIRE.

ENDS OF CONDUIT INSTALLED BELOW GRADE FOR FUTURE USE SHALL BE CAPPED IF MATALLIC OR PLUGGED IF NONMETALLIC.

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, AHALL BE USED.

IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE DIRT OR FILL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING AROUND THE BASE. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BARE CONCRETE BASE IN LAYERS OF 1 FOOT OR LESS.

A NO.4 AWG, STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD) FOR TYPE 5 BASES.

THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE FURNISHED AND INSTALLED TO ENTER THE BASE OF THE TYPE 5 BASES THROUGH A 1 INCH CONDUIT INSTALLED FOR GROUNDING PURPOSES, LEAVING A 4 FOOT COIL OF WIRE ABOVE THE CONCRETE BASE. THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE NEATLY COILED AND THE COILS TIED TOGETHER.

WASHERS AND LOCK WASHERS ARE REQUIRED ON ALL ANCHOR RODS.

ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

WELDING OF THE ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TIE WIRES SHALL BE USED.

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS (LATEST EDITION).

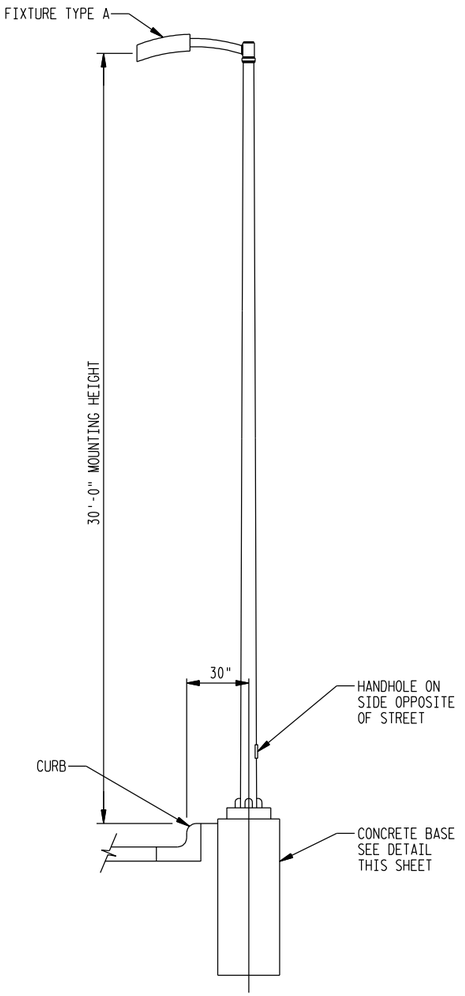
(1) THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18 INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36 INCHES EXCEPT WITH WRITTEN APPROVAL BY THE ENGINEER.

(2) ANCHOR BOLTS 4-1 INCH DIAMETER, 3'-6" INCHES LONG.

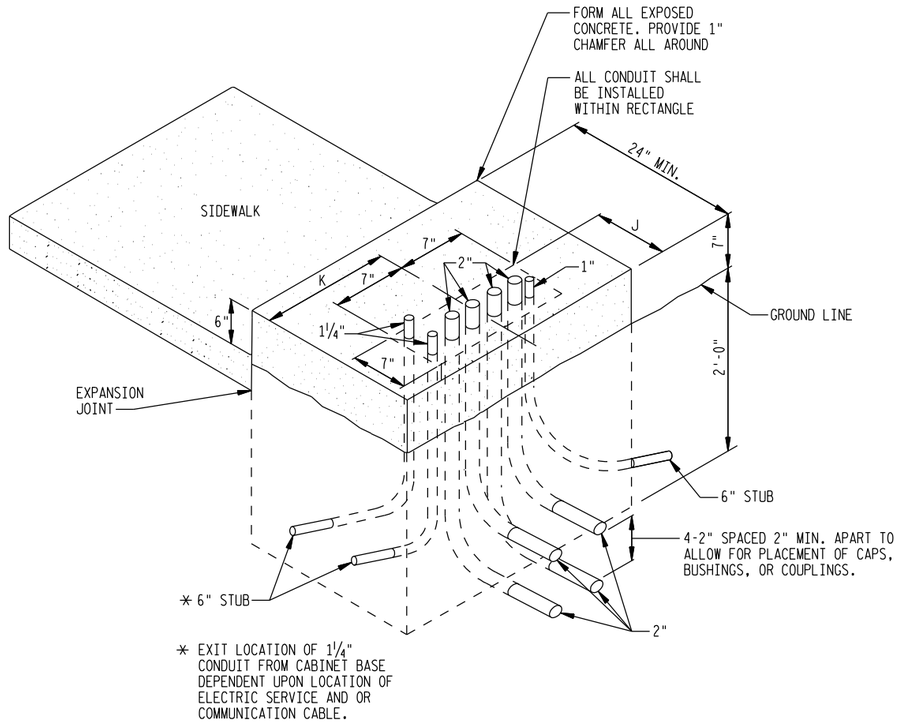
(3) (6) NO.4 X 4'-8" BAR STEEL REINFORCEMENT.

(4) (5) NO.4 X 5'-1" BAR STEEL REINFORCEMENT @ 1'-0" C-C.

** VERIFY WITH APPROVED SHOP DRAWINGS PRIOR TO CONSTRUCTION.



TYPICAL 30' SINGLE HEAD STREET LIGHTING UNIT A
NTS



TYPE 9

CONCRETE CONTROL CABINET BASE

NTS

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

INSTALL FOUR ½ INCH MINIMUM DIAMETER X 4 INCH MINIMUM LENGTH APPROVED CONCRETE MASONRY ANCHORS TO ANCHOR THE CABINET TO TYPE 9 BASES. THE ANCHOR STUDS SHALL BE LOCATED AS DIRECTED BY THE ENGINEER TO PROPERLY ANCHOR THE CONTROL CABINET TO THE BASE.

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

CONDUIT HEIGHT ABOVE THE CONCRETE BASE SHALL BE 1 INCH.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

CONTROL CABINET BASE TOP SURFACES SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

MAINTENANCE PLATFORMS ARE NOT REQUIRED.

MINIMUM BENDING RADIUS OF CONDUIT = 6 X THE DIAMETER.

ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

ALL FOUR TWO INCH CONDUIT SHALL BE INSTALLED FROM THE CABINET BASE TO THE FIRST NEAREST PULL BOX LOCATED AS SHOWN ON THE PLANS.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF THE CONCRETE BASE BEFORE INSTALLATION OF CABLE OR WIRE.

CONCRETE FORM DEPTH BELOW FINISHED GADE SHALL BE 6" MAXIMUM. CONCRETE FORMS SHALL BE REMOVED AFTER CONCRETE HAS SET.

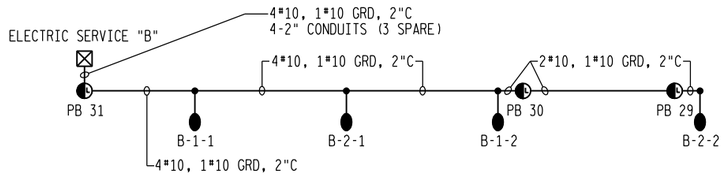
THE "L" BEND SHALL NOT BE THREADED.

STRAIGHT ANCHOR RODS SHALL BE THREADED 1" IN LENGTH ON EACH END OF THE ROD.

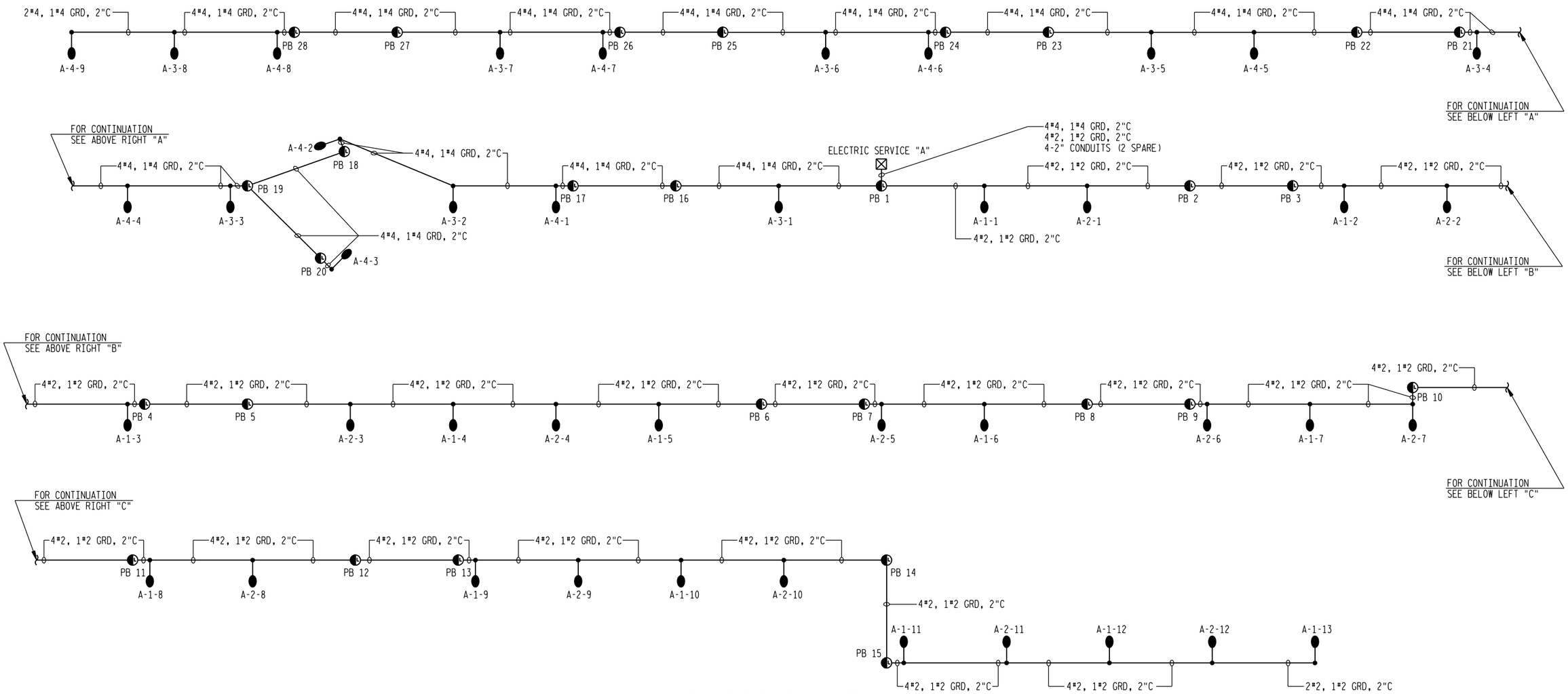
ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

WHEN THIS DRAWING IS USED FOR STREET LIGHTING CABINET BASES, CONDUIT MAY BE DIFFERENT AS SHOWN ON THE PLAN OR AS DIRECTED BY THE ENGINEER.

VERIFY ALL DIMENSIONS WITH LIGHTING CABINET PRIOR TO CONSTRUCTION.



SERVICE "B" WIRING DIAGRAM
NTS



SERVICE "A" WIRING DIAGRAM
NTS

PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE.	COUNTY: SHEBOYGAN	WIRING DIAGRAMS	SHEET 92	E

2

ROAD CLOSED
R11-2
48" X 30"

S.D.D.: BARRICADES AND SIGNS FOR MAINLINE CLOSURES DETAIL D

S.D.D.: BARRICADES AND SIGNS FOR MAINLINE CLOSURES DETAIL E

ROAD CLOSED TO THRU TRAFFIC
R11-4
60" X 30"

S.D.D.: BARRICADES AND SIGNS FOR SIDEROAD CLOSURES DETAIL 4

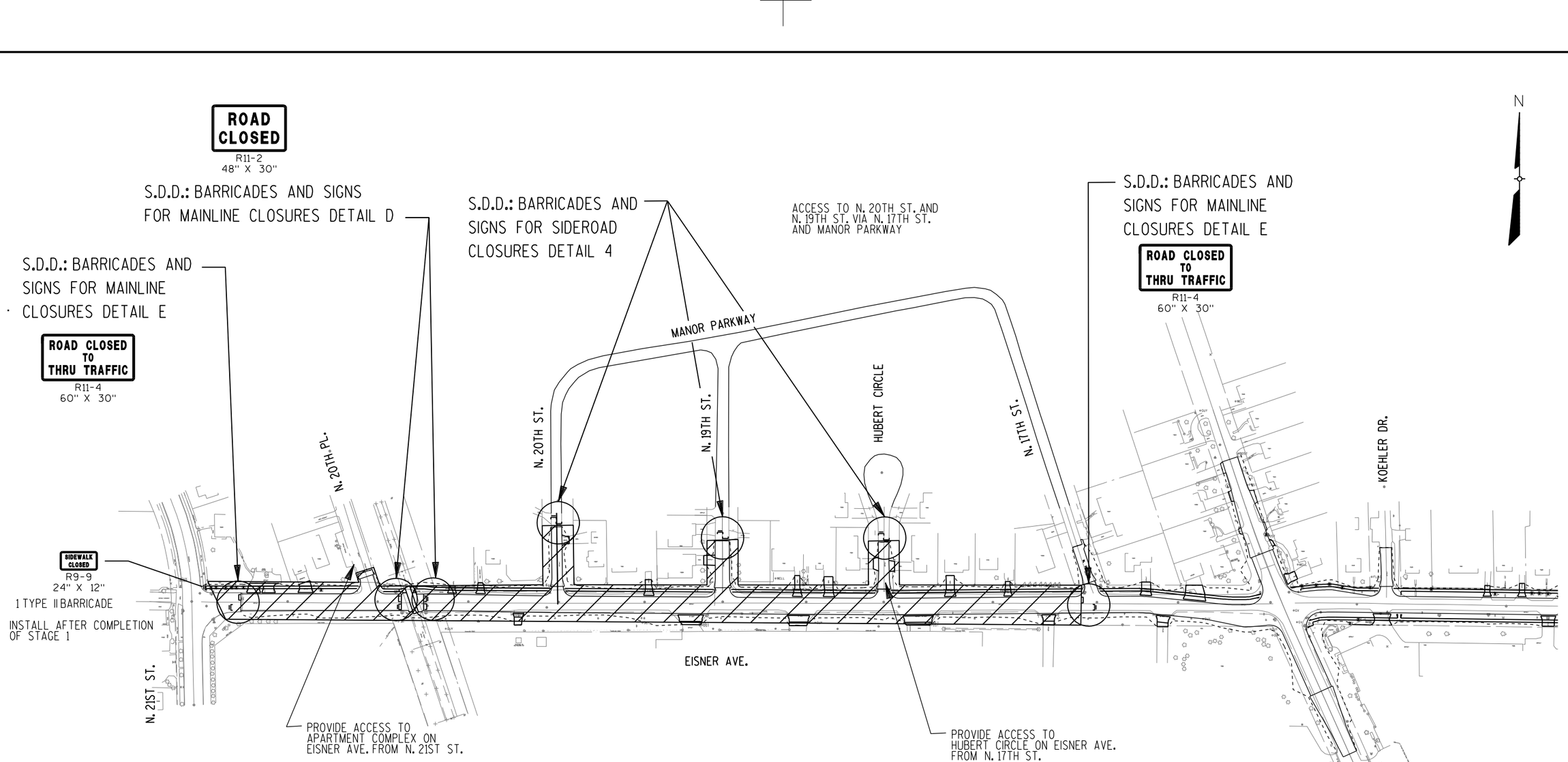
ACCESS TO N. 20TH ST. AND N. 19TH ST. VIA N. 17TH ST. AND MANOR PARKWAY

S.D.D.: BARRICADES AND SIGNS FOR MAINLINE CLOSURES DETAIL E

ROAD CLOSED TO THRU TRAFFIC
R11-4
60" X 30"

SIDEWALK CLOSED
R9-9
24" X 12"
1 TYPE II BARRICADE

INSTALL AFTER COMPLETION OF STAGE 1



PROVIDE ACCESS TO APARTMENT COMPLEX ON EISNER AVE. FROM N. 21ST ST.

PROVIDE ACCESS TO HUBERT CIRCLE ON EISNER AVE. FROM N. 17TH ST.

N

STAGE 1: TRAFFIC CONTROL DURING GRADING STORM SEWER, BASE, & PAVING

LEGEND

- SIGN ON WOOD POST OR TEMPORARY SUPPORT
- AREA UNDER CONSTRUCTION
- LANE AND DIRECTION OF FLOW
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL BARRICADE, TYPE III WITH ATTACHED SIGN
- TRAFFIC CONTROL BARRICADE, TYPE III

NOTES

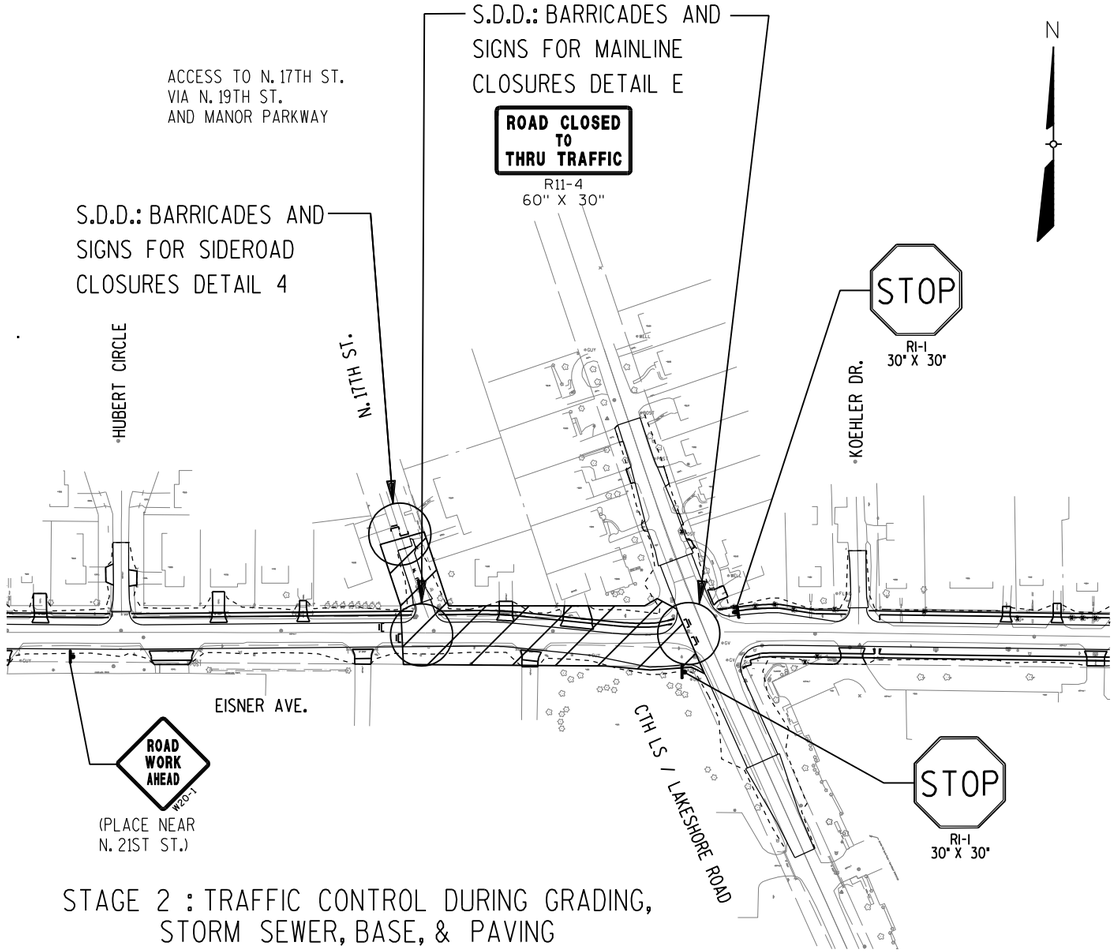
1. DELINEATE TRAFFIC PATH THROUGH PAVEMENT GAPS AT SIDE STREETS WITH A MINIMUM OF TWO TRAFFIC CONTROL DRUMS ON EACH SIDE OF TRAFFIC PATH.
2. ADVANCE WARNING SIGNS ARE NOT SHOWN AND SHALL CONFORM TO S.D.D. "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" DETAIL C, OR S.D.D. "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" DETAIL 3 OR 4.
3. PLACE TRAFFIC CONTROL DRUMS AT 50 FT INTERVALS TO DELINEATE ACCESS THROUGH THE WORK ZONE BETWEEN N. 21ST ST. AND N. 20TH PL. AND HUBERT CIRCLE AND N. 17TH ST. ALSO PROVIDE TRAFFIC CONTROL DRUMS AT LOCATIONS OF HAZARDOUS OBJECTS.

GENERAL NOTES FOR TRAFFIC CONTROL

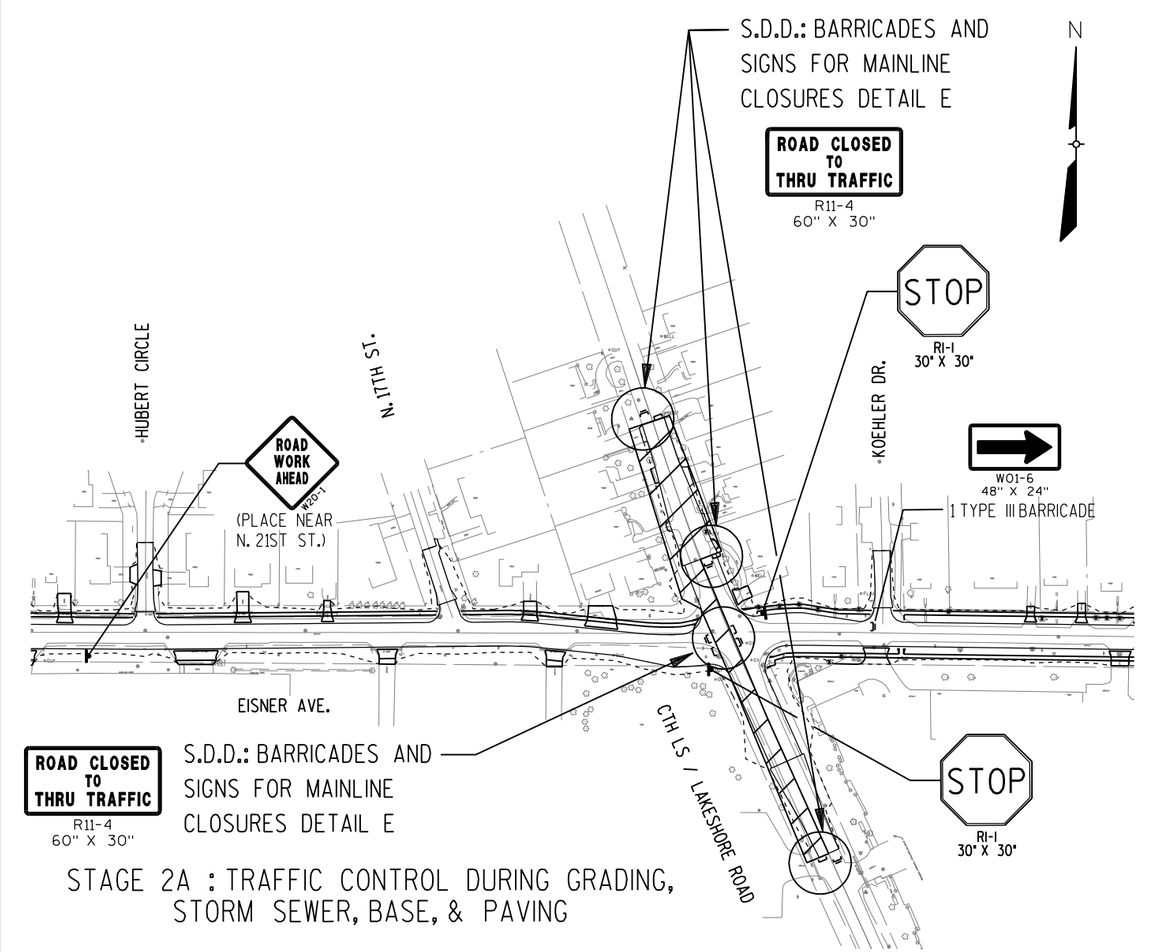
1. ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED.
2. THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS OR AS DETERMINED BY THE ENGINEER.
3. "WO" SIGNS ARE THE SAME AS 'W' SIGNS EXCEPT THE BACKGROUND IS ORANGE.
4. TRAFFIC CONTROL SIGNS SHALL BE COVERED OR REMOVED WHEN NOT APPLICABLE OR AS DIRECTED BY THE ENGINEER.

PROJECT NUMBER: 4996-01-56	HWY: EISNER AVENUE	COUNTY: SHEBOYGAN	TRAFFIC CONTROL : STAGE 1	SHEET 93	E

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PLOT DATE: 10/23/2012
PLOT TIME: 10:31:10 AM
PLOT SCALE: 1:200
WISDOT/CADDS SHEET 42



STAGE 2 : TRAFFIC CONTROL DURING GRADING, STORM SEWER, BASE, & PAVING



STAGE 2A : TRAFFIC CONTROL DURING GRADING, STORM SEWER, BASE, & PAVING

LEGEND

- SIGN ON WOOD POST OR TEMPORARY SUPPORT
- AREA UNDER CONSTRUCTION
- LANE AND DIRECTION OF FLOW
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL BARRICADE, TYPE III WITH ATTACHED SIGN
- TRAFFIC CONTROL BARRICADE, TYPE III

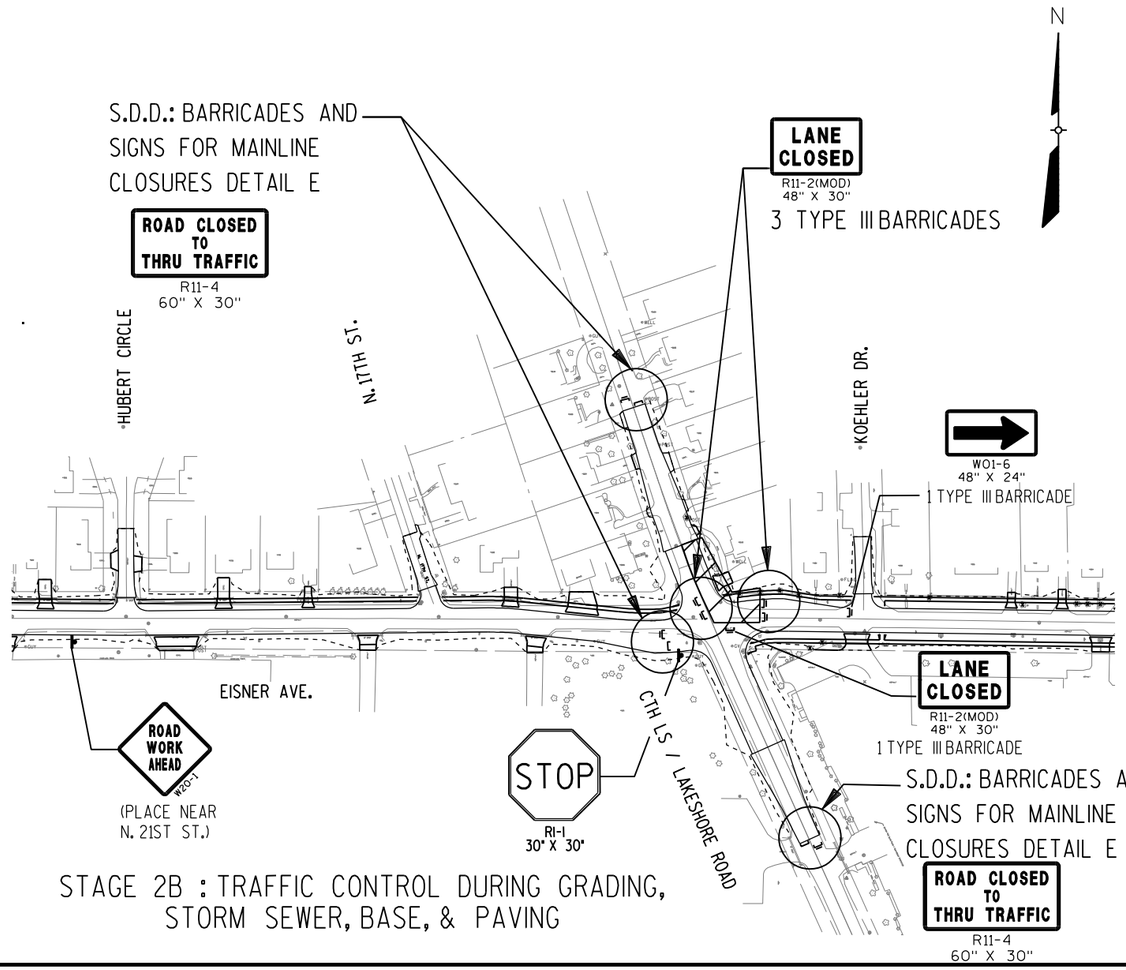
NOTES

1. PLACE TRAFFIC CONTROL DRUMS AT 50 FT INTERVALS ALONG CENTERLINE EDGE OF WORK ZONE, THROUGHOUT ENTIRE PROJECT LENGTH.
2. DELINEATE TRAFFIC PATH THROUGH PAVEMENT GAPS AT SIDE STREETS WITH A MINIMUM OF TWO TRAFFIC CONTROL DRUMS ON EACH SIDE OF TRAFFIC PATH.
3. ADVANCE WARNING SIGNS ARE NOT SHOWN AND SHALL CONFORM TO S.D.D. "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" DETAIL C, OR S.D.D. "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" DETAIL 4.
4. PROVIDE FULL ACCESS FOR BUS ROUTE. BUS TRAVELS NB CTH LS TO EB EISNER AVE.
5. USE DETOUR DURING STAGES 2, 2A, 2B, & 2C.
6. PLACE "ROAD WORK AHEAD" SIGNS ON N. 21ST ST.

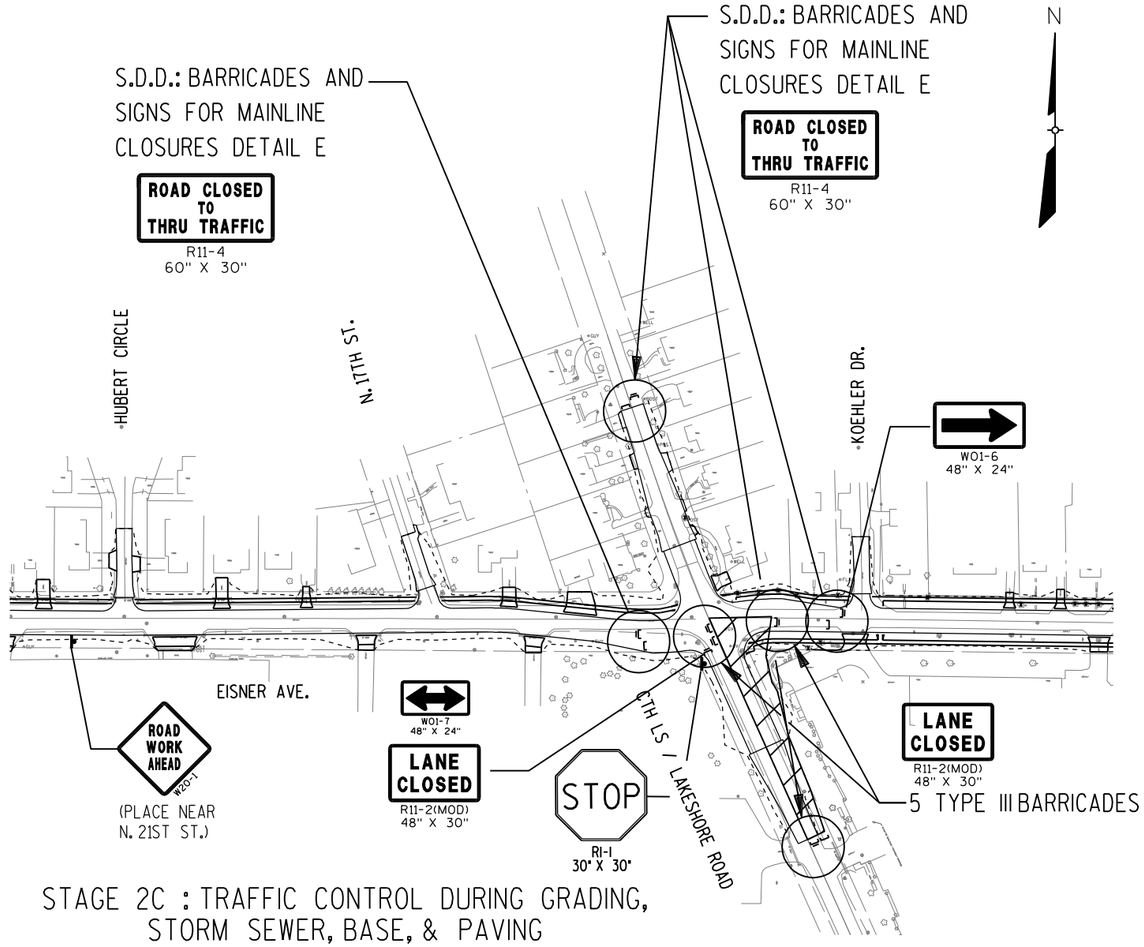
GENERAL NOTES FOR TRAFFIC CONTROL

1. ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED.
2. THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS OR AS DETERMINED BY THE ENGINEER.
3. "WO" SIGNS ARE THE SAME AS 'W' SIGNS EXCEPT THE BACKGROUND IS ORANGE.
4. TRAFFIC CONTROL SIGNS SHALL BE COVERED OR REMOVED WHEN NOT APPLICABLE OR AS DIRECTED BY THE ENGINEER.

PROJECT NUMBER: 4996-01-56	HWY: EISNER AVENUE	COUNTY: SHEBOYGAN	TRAFFIC CONTROL : STAGE 2 & 2A	SHEET 94	E



STAGE 2B : TRAFFIC CONTROL DURING GRADING, STORM SEWER, BASE, & PAVING



STAGE 2C : TRAFFIC CONTROL DURING GRADING, STORM SEWER, BASE, & PAVING

LEGEND

- SIGN ON WOOD POST OR TEMPORARY SUPPORT
- AREA UNDER CONSTRUCTION
- LANE AND DIRECTION OF FLOW
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL BARRICADE, TYPE III WITH ATTACHED SIGN
- TRAFFIC CONTROL BARRICADE, TYPE III

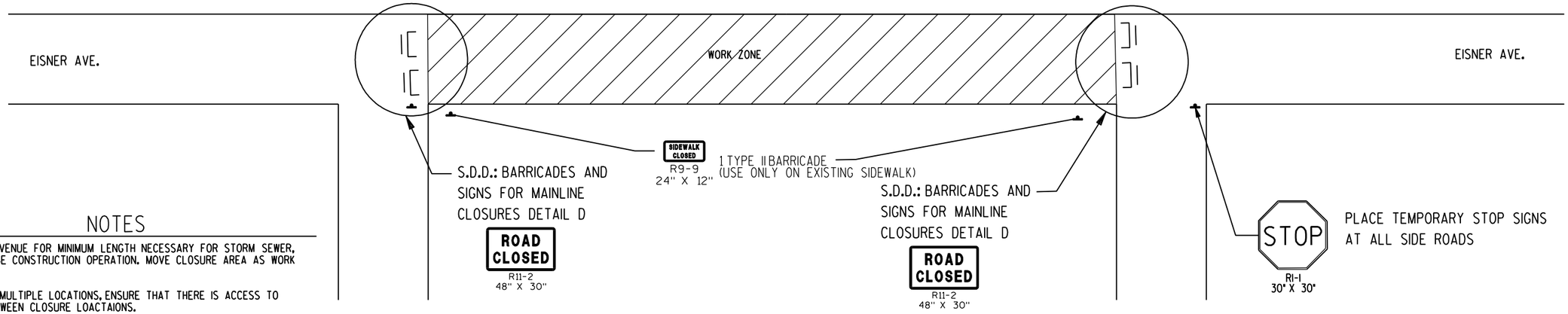
NOTES

1. PLACE TRAFFIC CONTROL DRUMS AT 50 FT INTERVALS ALONG CENTERLINE EDGE OF WORK ZONE, THROUGHOUT ENTIRE PROJECT LENGTH.
2. DELINEATE TRAFFIC PATH THROUGH PAVEMENT GAPS AT SIDE STREETS WITH A MINIMUM OF TWO TRAFFIC CONTROL DRUMS ON EACH SIDE OF TRAFFIC PATH.
3. ADVANCE WARNING SIGNS ARE NOT SHOWN AND SHALL CONFORM TO S.D.D. "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" DETAIL C, OR "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" DETAIL 4.
4. PROVIDE FULL ACCESS FOR BUS ROUTE. BUS TRAVELS NB CTH LS TO EB EISNER AVE.
5. USE DETOUR DURING STAGES 2, 2A, 2B, & 2C.
6. PLACE "ROAD WORK AHEAD" SIGNS ON N. 21ST ST.

GENERAL NOTES FOR TRAFFIC CONTROL

1. ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED.
2. THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS OR AS DETERMINED BY THE ENGINEER.
3. "WO" SIGNS ARE THE SAME AS 'W' SIGNS EXCEPT THE BACKGROUND IS ORANGE.
4. TRAFFIC CONTROL SIGNS SHALL BE COVERED OR REMOVED WHEN NOT APPLICABLE OR AS DIRECTED BY THE ENGINEER.

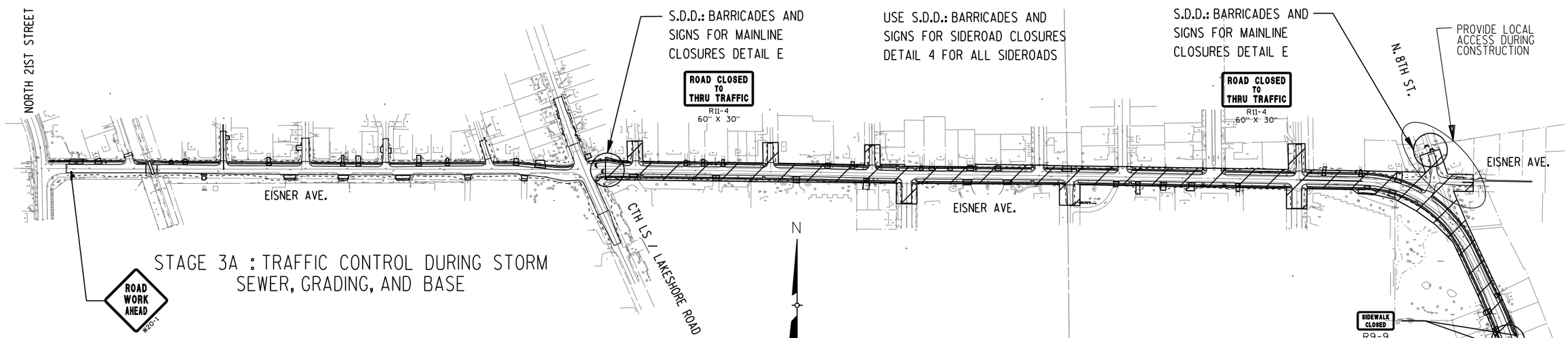
PROJECT NUMBER: 4996-01-56	HWY: EISNER AVENUE	COUNTY: SHEBOYGAN	TRAFFIC CONTROL : STAGE 2B & 2C	SHEET 95	E



NOTES

1. CLOSE EISNER AVENUE FOR MINIMUM LENGTH NECESSARY FOR STORM SEWER, GRADING OR BASE CONSTRUCTION OPERATION. MOVE CLOSURE AREA AS WORK PROGRESSES.
2. IF WORKING AT MULTIPLE LOCATIONS, ENSURE THAT THERE IS ACCESS TO PROPERTIES BETWEEN CLOSURE LOACTAIONS.
3. DO NOT CLOSE TWO ADJACENT INTERSECTIONS AT THE SAME TIME.
4. MAINTAIN ACCESS TO N. 14TH ST, ROSEWOOD CT, AND HIGH CLIFF CT. AT ALL TIMES.

TRAFFIC CONTROL MOVING WORK ZONE DURING STORM SEWER, GRADING, & BASE



STAGE 3A : TRAFFIC CONTROL DURING STORM SEWER, GRADING, AND BASE

LEGEND

- SIGN ON WOOD POST OR TEMPORARY SUPPORT
- AREA UNDER CONSTRUCTION
- LANE AND DIRECTION OF FLOW
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL BARRICADE, TYPE III WITH ATTACHED SIGN
- TRAFFIC CONTROL BARRICADE, TYPE III

NOTES

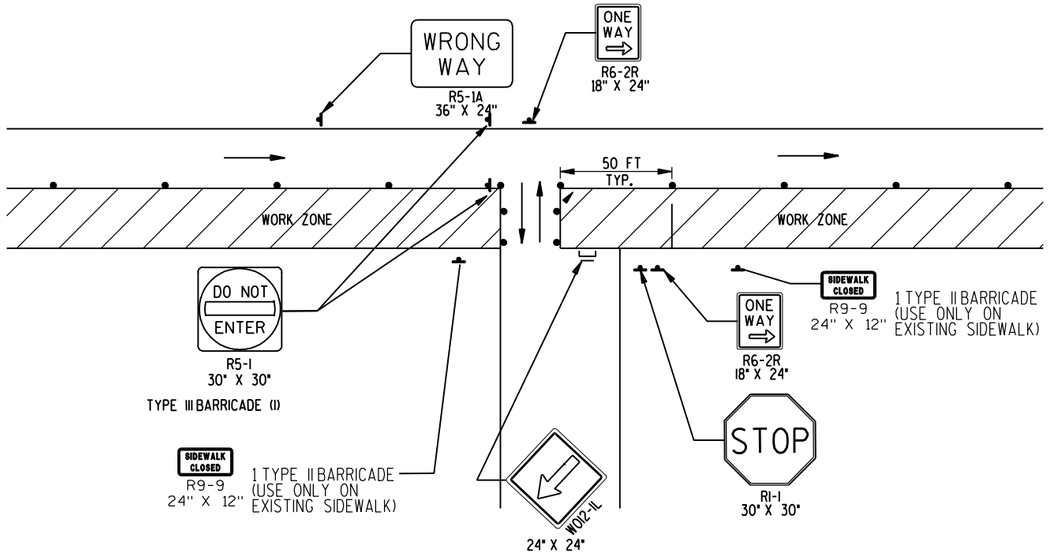
1. PLACE TRAFFIC CONTROL DRUMS AT 50 FT INTERVALS ALONG CENTERLINE EDGE OF WORK ZONE, THROUGHOUT ENTIRE PROJECT LENGTH.
2. DELINEATE TRAFFIC PATH THROUGH PAVEMENT GAPS AT SIDE STREETS WITH A MINIMUM OF TWO TRAFFIC CONTROL DRUMS ON EACH SIDE OF TRAFFIC PATH.
3. ADVANCE WARNING SIGNS ARE NOT SHOWN AND SHALL CONFORM TO S.D.D. "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" DETAIL C, OR S.D.D "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" DETAIL 4.
4. TRAFFIC CONTROL FOR THE SOUTHERLY LEG OF INTERSECTIONS IS SHOWN ABOVE. REVERSE FOR THE NORTHERLY LEG OF THE INTERSECTIONS

GENERAL NOTES FOR TRAFFIC CONTROL

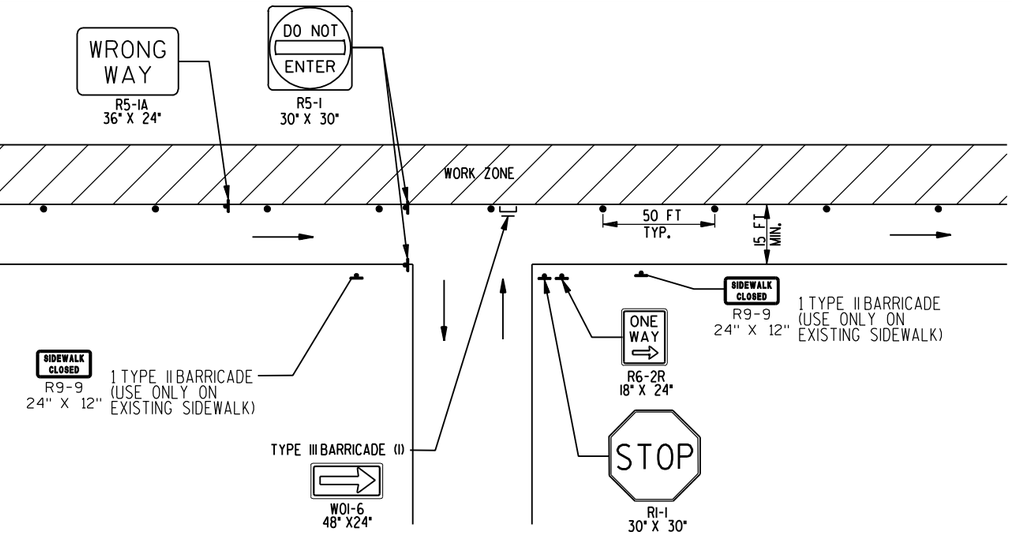
1. ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED.
2. THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS OR AS DETERMINED BY THE ENGINEER.
3. "WO" SIGNS ARE THE SAME AS 'W' SIGNS EXCEPT THE BACKGROUND IS ORANGE.
4. TRAFFIC CONTROL SIGNS SHALL BE COVERED OR REMOVED WHEN NOT APPLICABLE OR AS DIRECTED BY THE ENGINEER.

PROJECT NUMBER: 4996-01-56	HWY: EISNER AVENUE	COUNTY: SHEBOYGAN	TRAFFIC CONTROL : STAGE 3A	SHEET 96	E

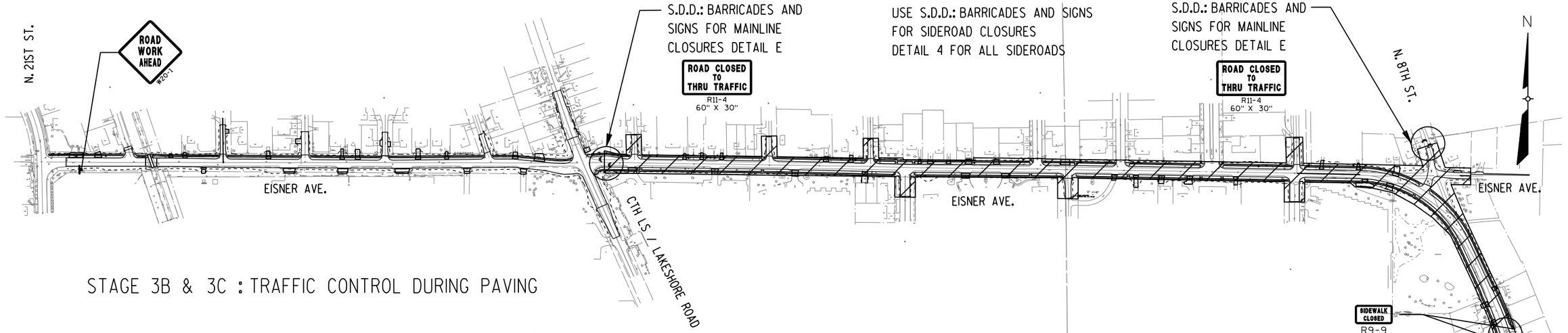
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PLOT DATE: 10/23/2012
PLOT TIME: 10:31:24 AM
PLOT SCALE: 1:200
WISDOT/CADDS SHEET 42



STAGE 3B: TRAFFIC CONTROL AT INTERSECTIONS DURING PAVING



STAGE 3C: TRAFFIC CONTROL AT INTERSECTIONS DURING PAVING



STAGE 3B & 3C : TRAFFIC CONTROL DURING PAVING

LEGEND

- SIGN ON WOOD POST OR TEMPORARY SUPPORT
- AREA UNDER CONSTRUCTION
- LANE AND DIRECTION OF FLOW
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL BARRICADE, TYPE III WITH ATTACHED SIGN
- TRAFFIC CONTROL BARRICADE, TYPE III

NOTES

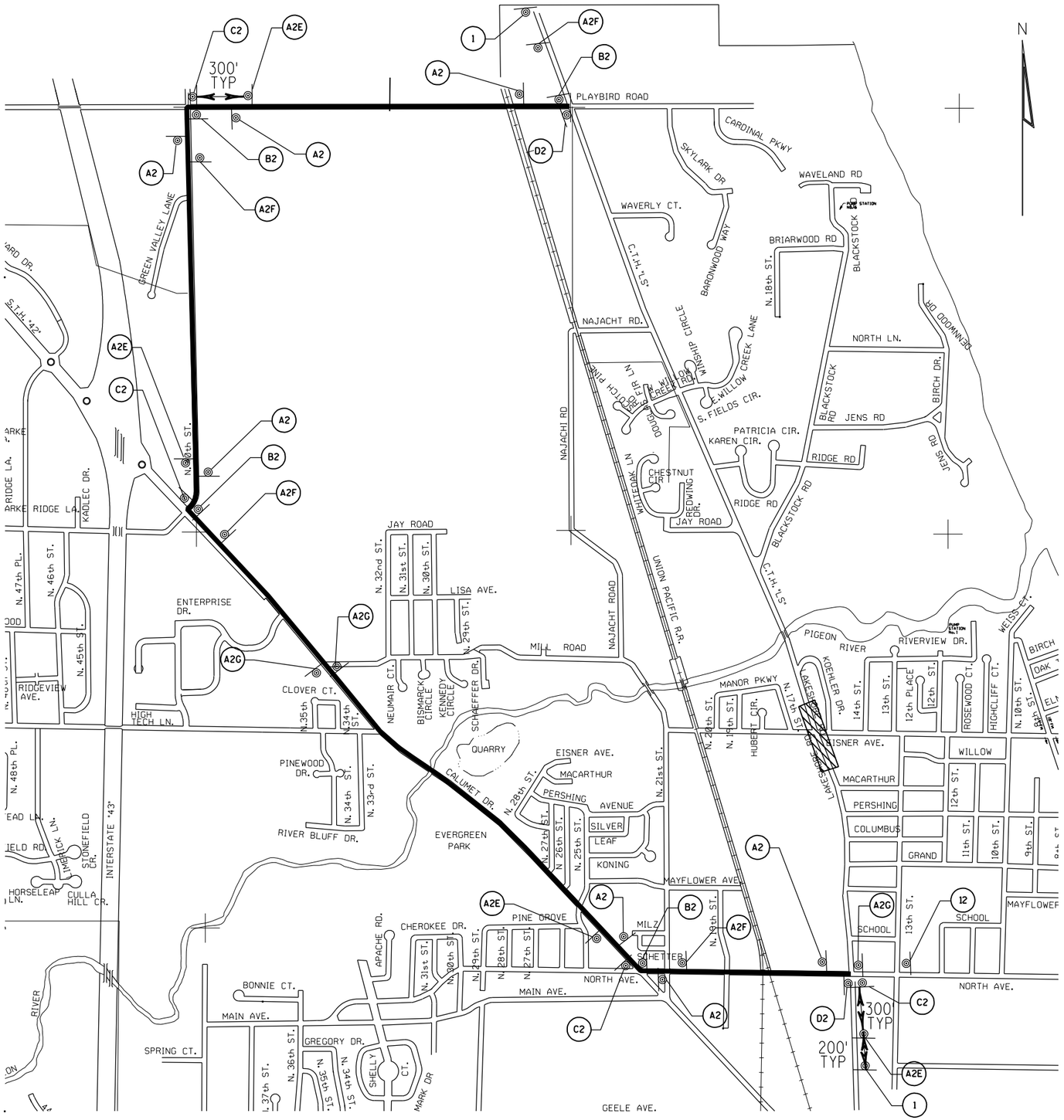
1. PLACE TRAFFIC CONTROL DRUMS AT 50 FT INTERVALS ALONG CENTERLINE EDGE OF WORK ZONE, THROUGHOUT ENTIRE PROJECT LENGTH.
2. DELINEATE TRAFFIC PATH THROUGH PAVEMENT GAPS AT SIDE STREETS WITH A MINIMUM OF TWO TRAFFIC CONTROL DRUMS ON EACH SIDE OF TRAFFIC PATH.
3. ADVANCE WARNING SIGNS ARE NOT SHOWN AND SHALL CONFORM TO S.D.D. "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" DETAIL C, OR S.D.D. "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" DETAIL 4.
4. TRAFFIC CONTROL FOR THE SOUTHERLY LEG OF INTERSECTIONS IS SHOWN ABOVE. REVERSE FOR THE NORTHERLY LEG OF THE INTERSECTIONS.

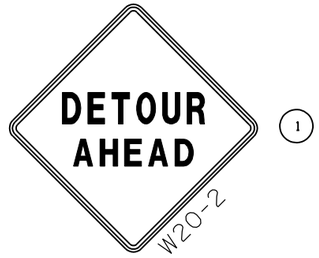
GENERAL NOTES FOR TRAFFIC CONTROL

1. ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED.
2. THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS OR AS DETERMINED BY THE ENGINEER.
3. "WO" SIGNS ARE THE SAME AS 'W' SIGNS EXCEPT THE BACKGROUND IS ORANGE.
4. TRAFFIC CONTROL SIGNS SHALL BE COVERED OR REMOVED WHEN NOT APPLICABLE OR AS DIRECTED BY THE ENGINEER.

PROJECT NUMBER: 4996-01-56	HWY: EISNER AVENUE	COUNTY: SHEBOYGAN	TRAFFIC CONTROL: STAGE 3B & 3C	SHEET 97	E

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PLOT DATE: 10/23/2012
PLOT TIME: 10:31:29 AM
PLOT SCALE: 1:200
WISDOT/CADDS SHEET 42





1



2

M1-5A
24" X 24"

WORK ZONE

DETOUR ROUTE



A

M4-8
24" X 12"



B

M4-9R
30" X 24"



C

M4-9L
30" X 24"



D

M4-8A
24" X 18"



E

M5-1L
21" X 21"



F

M5-1R
21" X 21"



G

M 6-1
21" X 21"

PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE.	COUNTY: SHEBOYGAN	CTH LS / LAKESHORE ROAD DETOUR PLAN	SHEET 98	E

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WISDOT/CADDS SHEET 42

2

N

EISNER AVE.

10 S89°36'50"E 11 12 N89°54'43"E

MATCHLINE STA. 12+80

P.I.
10+00.00
Y=188255.55
X=213202.65

P.I.
10+98.08
Y=188254.89
X=213300.72

PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE.	COUNTY: SHEBOYGAN	ALIGNMENT DIAGRAM	SHEET 99	E

FILE NAME: l:\work\60164548\000_cadd\civil\027201_ad.dgn
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PLOT TIME: 10:23:51 AM
PLOT SCALE: 1:40

2

N

P.I.
12'A'+04.82
Y=188449.86
X=213492.61

12'A'

N18°11'21"W

N. 20TH PL.

1'A'

P.I.
2885+86.20
Y=188447.69
X=213565.26

2885

N18°35'38"W

UNION PACIFIC RAILROAD

2884

P.I.
10'A'+00.00

10'A'

P.I.
2883+80.50

2883

N18°35'38"W

MATCHLINE STA. 12+80

13

14

S89°36'50"E

15

16 S89°01'57"E

17

18

S89°36'50"E

MATCHLINE STA. 18+80

EISNER AVE.

P.I.
13+53.89
Y=188255.28
X=213556.54

STA 13+53.89 =
STA 10'B'+00.00

P.I.
15+00.01
Y=188254.29
X=213702.65

P.I.
11'B'+76.81
Y=188427.57
X=213908.93

N. 20TH ST.

11'B'

N0°44'56"W

10'B'

P.I.
10'B'+00.00

P.I.
17+08.63
Y=188250.77
X=213911.24

STA 17+08.63 =
STA 10'B'+00.00

PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE.	COUNTY: SHEBOYGAN	ALIGNMENT DIAGRAM	SHEET 100	E

FILE NAME: l:\work\60164548\000.cadd\civil\027202_ad.dgn
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PLOT DATE: 10/23/2012
PLOT TIME: 10:23:54 AM
PLOT SCALE: 1:40
WISDOT/CADDS SHEET 42

2

2

N

P.I.
11'C'+90.28
Y=188438.90
X=214229.88

N. 19TH ST.

11'C'

N0°09'03"W

P.I.
11'H'+93.34
Y=188439.86
X=214543.16

HUBERT CIRCLE

11'H'

N0°00'49"W

1-15-N
10
R-23-E

CTR 49
STA 23+69.36
OFFSET 0.45'RT
Y=188246.32
X=241571.96

MATCHLINE STA. 18+80

19 20 10'C' 21 S89°36'50"E 22 23 10'H' 24

MATCHLINE STA. 24+80

EISNER AVE.

P.I.
10'C'+00.00

P.I.
20+27.77
Y=188248.62
X=214230.38

STA 20+27.77=
STA 10'C'+00.00

P.I.
10'H'+00.00

P.I.
23+40.60
Y=188246.51
X=214543.20

STA 23+40.61 =
STA 10'H'+00.00

PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE.	COUNTY: SHEBOYGAN	ALIGNMENT DIAGRAM	SHEET 101	E

FILE NAME: l:\work\60164548\000.cadd\civil\027203_ad.dgn
BATCH PRINT SHEET 3 OF 13
PRINTER DRIVER: L:\library\TPN_CADstds\Workspace-Clients\WisDOT\Microstation\Resources\MS_Printing\Printer_Drivers\ET_PDF_11 x 17.plt
PEN TABLE: L:\work\60164548\000.CADD\CIVIL\MS_Printing\Pen_Tables\ET_WisDOT.tbl
PLOT DATE: 10/23/2012
PLOT TIME: 10:23:57 AM
PLOT SCALE: 1:40.0065
WISDOT/CADDS SHEET 42

2

N

N18°36'26"W

12'LS'

CTH LS / LAKESHORE ROAD

12'LS'

11'LS'

P.I.
12'D'+33.62
Y=188471.80
X=214881.22

12'D'

N. 17TH ST.

N18°26'48"W

11'D'

P.I.
10'D'+00.00
Y=188250.19
X=214955.15

10'D'

EISNER AVE.

MATCHLINE STA. 24+80

25

N89°29'20"E

26

27

28

P.I. STA 28+39.66
Y=188250.97
X=215042.24
T=22.10'
L=44.15'
D=14°19'26"
DELTA=6°19'26"
R=400.00'

29

S84°11'15"E

30

P.I. STA 30+37.70
Y=188230.91
X=215239.31
T=49.88'
L=99.24'
D=14°19'26"
DELTA=14°12'57"
R=400.00'

MATCHLINE STA. 30+80

P.C.
28+17.57
Y=188250.77
X=215020.15

P.T.
28+61.71
Y=188248.73
X=215064.23

P.C.
29+87.82
Y=188235.96
X=215189.69

STA 27+52.56 =
STA 10'D'+00.00

PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE.	COUNTY: SHEBOYGAN	ALIGNMENT DIAGRAM	SHEET 102	E

FILE NAME: l:\work\60164548\000.cadd\civil\027204_ad.dgn
BATCH PRINT SHEET 4 OF 13
PRINTER DRIVER: L:\library\TPN_CADstds\Workspace-Clients\WisDOT\Microstation\Resources\MS_Printng\Printer_Drivers\ET_PDF_11 x 17.plt
PEN TABLE: L:\work\60164548\000.CADD\CIVIL\MS_Printing\Pen_Tables\ET_WisDOT.tbl
PLOT DATE: 10/23/2012
PLOT TIME: 10:24:00 AM
PLOT SCALE: 1:40
WISDOT/CADDS SHEET 42

2

N

P.I.
11'K'+98.95
Y=188449.63
X=215513.18

KOEHLER DRIVE

11'K'

N0°48'58"W

STA 31+16.58 =
STA 10'LS'+00.00

P.C.
31+52.46
Y=188247.75
X=215353.34

P.I. STA 31+84.50
Y=188252.44
X=215385.04
T=32.04'
L=63.95'
D=14°19'26"
DELTA=9°09'37"
R=400.00'

EQN. BK. 33+15.35 =
EQN. AH. 33+13.45

STATION
EQUATION

MATCHLINE STA. 30+80

N81°35'49"E

31

10'LS'

N81°35'49"E

32

S89°14'34"E

33

10'K'

P.I.
10'K'+00.00

34

S89°14'34"E

35

36

EISNER AVE.

MATCHLINE STA. 36+80

P.T.
30+87.07
Y=188238.20
X=215288.65

P.I.
31+16.58
Y=188242.51
X=215317.84

P.C.
9'LS'+65.73

P.T.
32+16.41
Y=188252.01
X=215417.08

P.I.
33+13.45
Y=188250.70
X=215516.02

STA 33+13.45 A.H. =
STA 10'K'+00.00

Y=188245.95
X=215875.72
P.I.
36+73.19

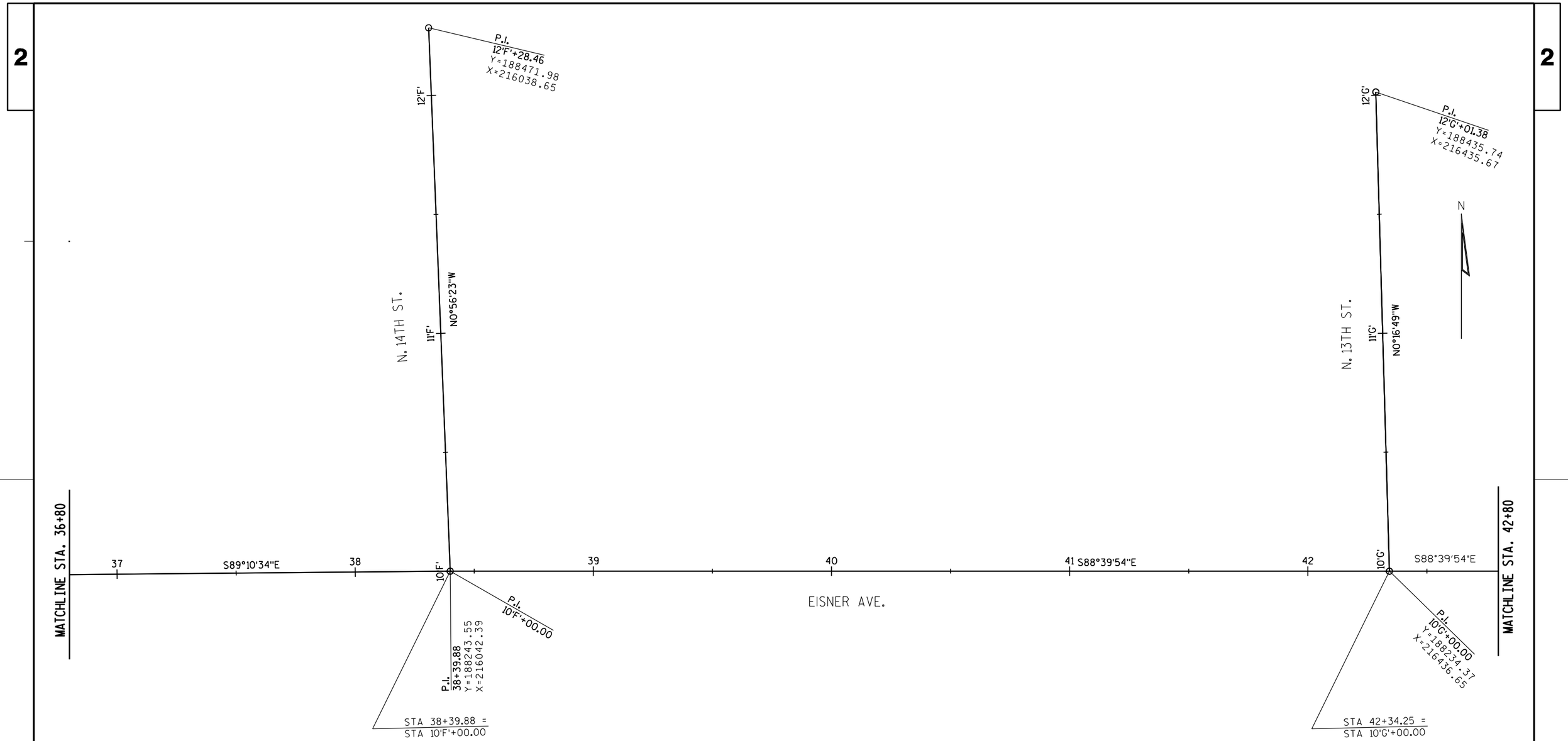
CTH LS / LAKESHORE ROAD

9'LS'

PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE.	COUNTY: SHEBOYGAN	PAVING DETAILS	SHEET 103	E

FILE NAME: l:\work\60164548\000_cadd\civil\027205_ad.dgn
BATCH PRINT SHEET 5 OF 13
PRINTER DRIVER: L:\library\TPN_CADstds\Workspace-Clients\WisDOT\Microstation\Resources\MS_Printing\Printer_Drivers\ET_PDF_11 x 17.plt
PEN TABLE: L:\work\60164548\000_CADD\CIVIL\MS_Printing\Pen_Tables\ET_WisDOT.tbl
PLOT DATE: 10/23/2012
PLOT TIME: 10:24:03 AM
PLOT SCALE: 1:40
WISDOT/CADDS SHEET 42

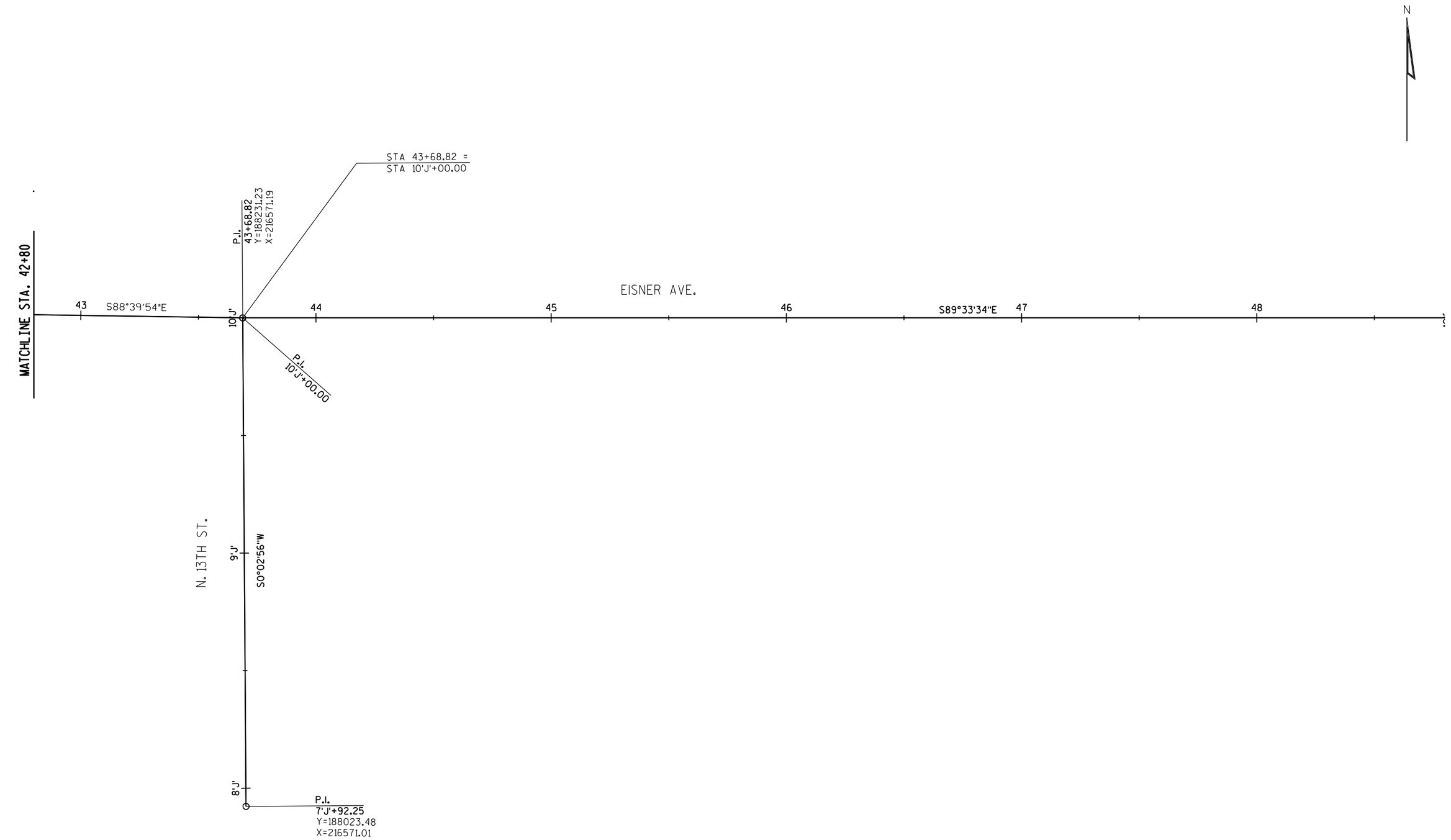
2



PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE.	COUNTY: SHEBOYGAN	ALIGNMENT DIAGRAM	SHEET 104	E

FILE NAME: l:\work\60164548\000_cadd\civil\027206_ad.dgn
BATCH PRINT SHEET 6 OF 13
PRINTER DRIVER: L:\library\TPN_CADstds\Workspace-Clients\WisDOT\Microstation\Resources\MS_Printing\Printer_Drivers\ET_PDF_11 x 17.plt
PEN TABLE: L:\work\60164548\000_CADD\CIVIL\MS_Printing\Pen_Tables\ET_WisDOT.tbl
PLOT DATE: 10/23/2012
PLOT TIME: 10:24:06 AM
PLOT SCALE: 1:40
WISDOT/CADDS SHEET 42

2



PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE.	COUNTY: SHEBOYGAN	ALIGNMENT DIAGRAM	SHEET 105	E

2

P.I.
13'R'+02.80
Y=188525.56
X=217410.53

13'R'

ROSEWOOD CT.

N0°19'18"W

12'R'

N

P.I.
11'E'+91.63
Y=188418.96
X=217086.16

N. 12TH ST.

N0°24'05"W

P.I.
50+04.02

STA 50+04.02 =
STA 10'L'+00.00

EISNER AVE.

49 50 51 52 53 54

10'E' 10'L' 10'R'

P.I.
10'E'+00.00
Y=188217.33
X=217087.50

QTR 50
STA 49+94.84
OFFSET 0.09'LT
Y=188226.51
X=217197.19

1-15-N
10 11
R-23-E

P.I.
10'L'+00.00
Y=188226.35
X=217206.37

P.I.
10'R'+00.00
Y=188225.16
X=217412.23

STA 48+85.15 =
STA 10'E'+00.00

STA 52+09.91 =
STA 10'R'+00.00

MATCHLINE STA. 54+40

N. 12TH ST.

9'L'

N0°04'29"W

Y=188034.55
X=217206.62
P.I.
8'L'+08.21

PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE.	COUNTY: SHEBOYGAN	ALIGNMENT DIAGRAM	SHEET	E

FILE NAME: l:\work\60164548\000_cadd\civil\027208_ad.dgn
BATCH PRINT SHEET 8 OF 13
PRINTER DRIVER: L:\library\TPN_CADstds\Workspace-Clients\WisDOT\Microstation\Resources\MS_Printing\Printer_Drivers\ET_PDF_11 x 17.plt
PEN TABLE: L:\work\60164548\000_CADD\CIVIL\MS_Printing\Pen_Tables\ET_WisDOT.tbl
PLOT DATE: 10/23/2012
PLOT TIME: 10:24:12 AM
PLOT SCALE: 1:40
WISDOT/CADDS SHEET 42

2

2

N

P.I.
12'HC'+68.90
Y=188485.46
X=217765.23

HIGHCLIFF CT.

12'HC'

N0°36'40"W

P.I.
12'N'+26.39
Y=188437.16
X=218095.84

N. 10TH ST.

12'N'

MATCHLINE STA. 54+40

55

S89°00'12"E

10'HC'

56

57

58

10'M'

59

10'N'

60

EISNER AVE.

MATCHLINE STA. 60+40

P.I.
10'HC'+00.00
Y=188216.57
X=217768.10

STA 55+65.83=
STA 10'HC'+00.00

P.I.
10'M'+00.00
Y=188210.96
X=218090.56

STA 58+88.35 =
STA 10'M'+00.00

P.I.
10'N'+00.00
Y=188210.80
X=218099.78

STA 58+97.57 =
STA 10'N'+00.00

N. 10TH ST.

9'M'

N0°05'24"E

Y=188014.23
X=218090.25
P.I.
8'M'+03.27

PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE.	COUNTY: SHEBOYGAN	ALIGNMENT DIAGRAM	SHEET 107	E

2

N

P.I.
12'P'+65.70
Y=188384.73
X=218587.34

N19°44'34"W

12'P'

P.T.
11'P'+88.62
Y=188312.17
X=218613.37

N. 8TH ST.

P.I. STA 11+03.53
Y=188218.63
X=218646.94
T=99.38'
L=184.47'
D=28°38'52"
DELTA=52°50'44"
R=200.00'

STA 10'P'+90.96 =
STA 10'0'+00.00

P.I. STA 10'0'+69.30
Y=188202.89
X=218691.12
T=43.26'
L=86.30'
D=11°27'33"
DELTA=9°53'20"
R=500.00'

11'P'

10'0'

S79°06'52"E

EISNER AVE.

11'0'

S89°00'12"E

12'0'

P.I.
10'0'+00.00
Y=188215.97
X=218623.07

MATCHLINE STA.

61

62

EISNER AVE.

63

P.C.
61+45.00
Y=188206.50
X=218347.18

P.C.
10'P'+04.15
Y=188135.58
X=218592.67

64

10'P'
N33°08'10"E

P.C.
10'0'+26.04
Y=188211.05
X=218648.64

P.T.
11'0'+12.34
Y=188202.13
X=218734.37

P.I.
12'0'+05.24
Y=188200.52
X=218827.25

STA 64+02.76 =
STA 10'P'+00.00

P.I.
10'P'+00.00
Y=188131.91
X=218590.40

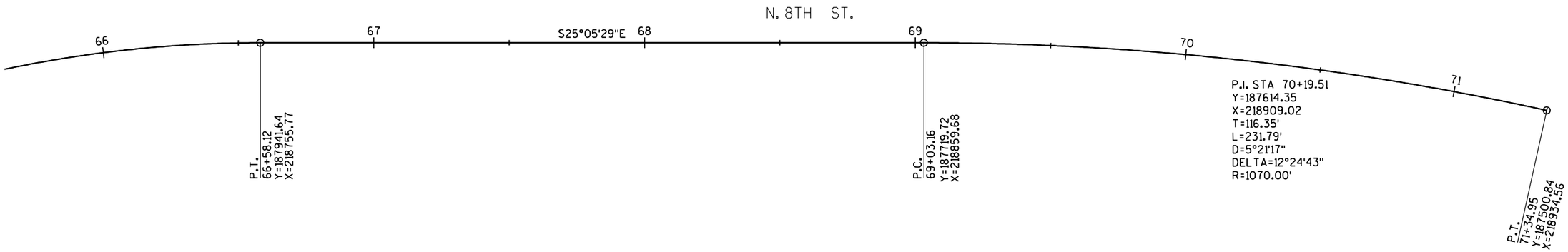
P.I. STA 64+31.95
Y=188201.51
X=218634.08
T=286.95'
L=513.12'
D=12°27'20"
DELTA=63°54'43"
R=460.00'

65

PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE.	COUNTY: SHEBOYGAN	ALIGNMENT DIAGRAM	SHEET 108	E

FILE NAME: l:\work\60164548\000.cadd\civil\027210_ad.dgn
BATCH PRINT SHEET 10 OF 13
PRINTER DRIVER: L:\library\TPN_CADstds\Workspace-Clients\WisDOT\Microstation\Resources\MS_Printing\Printer_Drivers\ET_PDF_11 x 17.plt
PEN TABLE: L:\work\60164548\000.CADD\CIVIL\MS_Printing\Pen_Tables\ET_WisDOT.tbl
PLOT DATE: 10/23/2012
PLOT TIME: 10:24:18 AM
PLOT SCALE: 1:40
WISDOT/CADDS SHEET 42

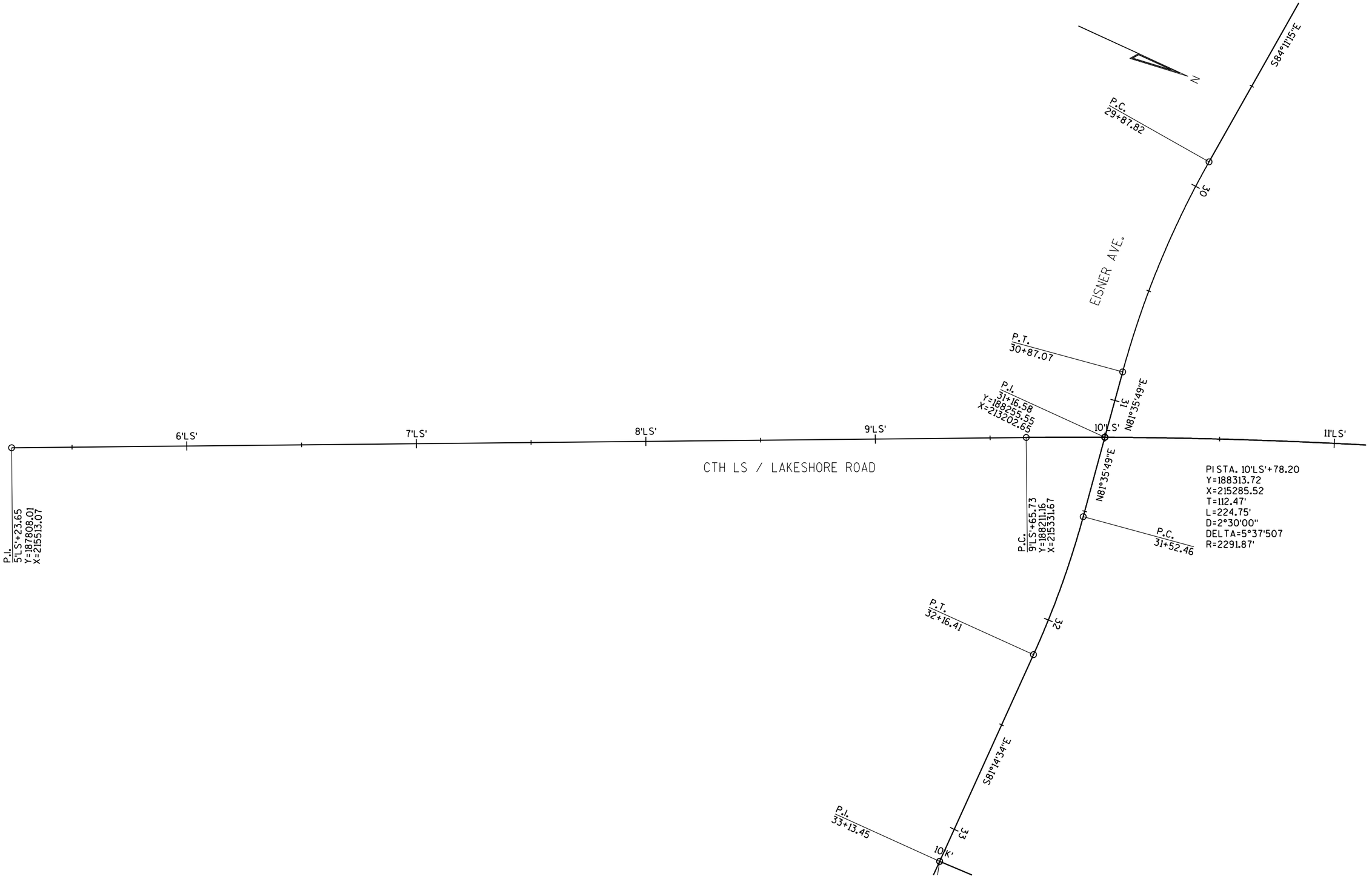
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PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE.	COUNTY: SHEBOYGAN	ALIGNMENT DIAGRAM	SHEET 109	E

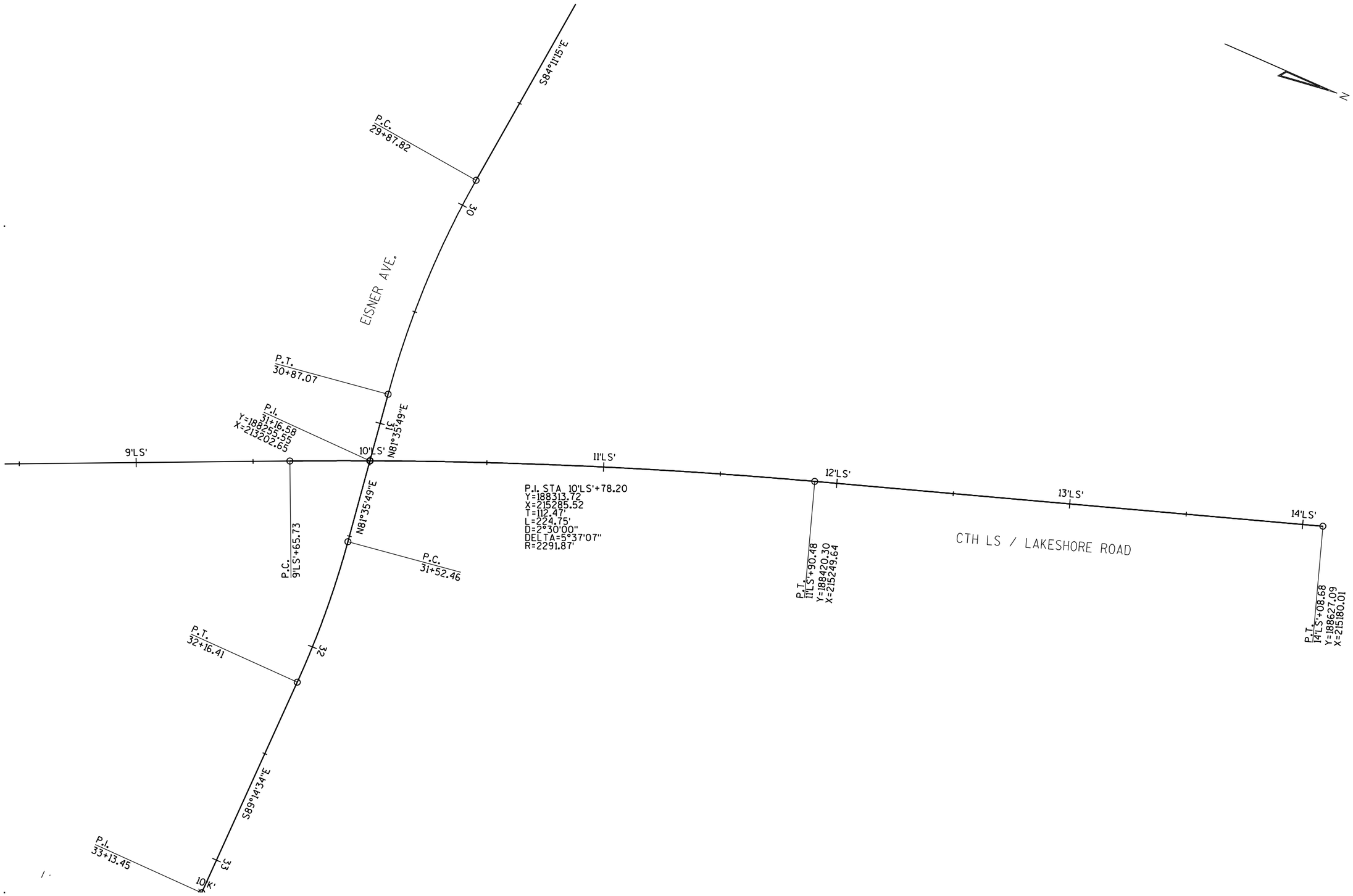
FILE NAME: l:\work\60164548\000_cadd\civil\027211_ad.dgn
BATCH PRINT SHEET 11 OF 13
PRINTER DRIVER: L:\library\TPN_CADstds\Workspace-Clients\WisDOT\Microstation\Resources\MS_Printing\Printer_Drivers\ET_PDF_11 x 17.plt
PEN TABLE: L:\work\60164548\000_CADD\CIVIL\MS_Printing\Pen_Tables\ET_WisDOT.tbl
PLOT DATE: 10/23/2012
PLOT TIME: 10:24:21 AM
PLOT SCALE: 1:40
WISDOT/CADDS SHEET 42

2



PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE.	COUNTY: SHEBOYGAN	ALIGNMENT DIAGRAM	SHEET 110	E

2



PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE.	COUNTY: SHEBOYGAN	ALIGNMENT DIAGRAM	SHEET 111	E

FILE NAME: l:\work\60164548\000_cadd\civil\027204b_ad.dgn
BATCH PRINT SHEET 13 OF 13
PRINTER DRIVER: L:\library\TPN_CADstds\Workspace-Clients\WisDOT\Microstation\Resources\MS_Printing\Printer_Drivers\ET_PDF_11 x 17.plt
PEN TABLE: L:\work\60164548\000_CADD\CIVIL\MS_Printing\Pen_Tables\ET_WisDOT.tbl
PLOT DATE: 10/23/2012
PLOT TIME: 10:24:27 AM
PLOT SCALE: 1:40
WISDOT/CADDS SHEET 42

DATE 18FEB13 E S T I M A T E O F Q U A N T I T I E S

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	4996-01-56 QUANTITY
0010	201.0105	CLEARING	STA	3.000	3.000
0020	201.0120	CLEARING	ID	365.000	365.000
0030	201.0205	GRUBBING	STA	3.000	3.000
0040	201.0220	GRUBBING	ID	365.000	365.000
0050	203.0100	REMOVING SMALL PIPE CULVERTS	EACH	21.000	21.000
0060	204.0100	REMOVING PAVEMENT	SY	3,200.000	3,200.000
0070	204.0150	REMOVING CURB & GUTTER	LF	26.000	26.000
0080	204.0155	REMOVING CONCRETE SIDEWALK	SY	15.000	15.000
0090	204.0180	REMOVING DELINEATORS AND MARKERS	EACH	25.000	25.000
0100	204.0210	REMOVING MANHOLES	EACH	24.000	24.000
0110	204.0220	REMOVING INLETS	EACH	29.000	29.000
0120	204.0245	REMOVING STORM SEWER (SIZE) 01. 6-INCH	LF	56.000	56.000
0130	204.0245	REMOVING STORM SEWER (SIZE) 02. 12-INCH	LF	831.000	831.000
0140	204.0245	REMOVING STORM SEWER (SIZE) 03. 15-INCH	LF	488.000	488.000
0150	204.0245	REMOVING STORM SEWER (SIZE) 04. 18-INCH	LF	850.000	850.000
0160	204.0245	REMOVING STORM SEWER (SIZE) 05. 21-INCH	LF	56.000	56.000
0170	204.0245	REMOVING STORM SEWER (SIZE) 06. 24-INCH	LF	1,498.000	1,498.000
0180	204.0245	REMOVING STORM SEWER (SIZE) 07. 30-INCH	LF	1,010.000	1,010.000
0190	204.0245	REMOVING STORM SEWER (SIZE) 08. 36-INCH	LF	2,254.000	2,254.000
0200	204.0260	ABANDONING INLETS	EACH	1.000	1.000
0210	205.0100	EXCAVATION COMMON **P**	CY	32,763.000	32,763.000
0220	209.0100	BACKFILL GRANULAR	CY	789.000	789.000
0230	213.0100	FINISHING ROADWAY (PROJECT) 01. 4996-01-56	EACH	1.000	1.000
0240	305.0110	BASE AGGREGATE DENSE 3/4-INCH	TON	1,063.000	1,063.000
0250	305.0120	BASE AGGREGATE DENSE 1 1/4-INCH	TON	15,732.000	15,732.000
0260	415.0070	CONCRETE PAVEMENT 7-INCH	SY	24,712.000	24,712.000
0270	415.0210	CONCRETE PAVEMENT GAPS	EACH	17.000	17.000
0280	416.0160	CONCRETE DRIVEWAY 6-INCH	SY	1,599.000	1,599.000
0290	416.0170	CONCRETE DRIVEWAY 7-INCH	SY	394.000	394.000
0300	416.0610	DRILLED TIE BARS	EACH	114.000	114.000
0310	455.0120	ASPHALTIC MATERIAL PG64-28	TON	55.200	55.200
0320	455.0605	TACK COAT	GAL	112.000	112.000
0330	460.1101	HMA PAVEMENT TYPE E-1	TON	1,000.000	1,000.000
0340	460.2000	INCENTIVE DENSITY HMA PAVEMENT	DOL	644.000	644.000
0350	465.0120	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	TON	132.000	132.000
0360	520.8000	CONCRETE COLLARS FOR PIPE	EACH	11.000	11.000
0370	522.1012	APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 12-INCH	EACH	2.000	2.000
0380	522.1015	APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 15-INCH	EACH	1.000	1.000
0390	602.0410	CONCRETE SIDEWALK 5-INCH	SF	44,125.000	44,125.000
0400	608.0312	STORM SEWER PIPE REINFORCED CONCRETE CLASS III 12-INCH	LF	933.000	933.000
0410	608.0315	STORM SEWER PIPE REINFORCED CONCRETE CLASS III 15-INCH	LF	324.000	324.000
0420	608.0318	STORM SEWER PIPE REINFORCED CONCRETE CLASS III 18-INCH	LF	752.000	752.000
0430	608.0321	STORM SEWER PIPE REINFORCED CONCRETE CLASS III 21-INCH	LF	303.000	303.000
0440	608.0324	STORM SEWER PIPE REINFORCED CONCRETE CLASS III 24-INCH	LF	450.000	450.000
0450	608.0330	STORM SEWER PIPE REINFORCED CONCRETE CLASS III 30-INCH	LF	554.000	554.000

3

DATE 18FEB13 E S T I M A T E O F Q U A N T I T I E S

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	4996-01-56 QUANTITY
0460	608.0336	STORM SEWER PIPE REINFORCED CONCRETE CLASS III 36-INCH	LF	582.000	582.000
0470	608.0342	STORM SEWER PIPE REINFORCED CONCRETE CLASS III 42-INCH	LF	1,803.000	1,803.000
0480	608.0348	STORM SEWER PIPE REINFORCED CONCRETE CLASS III 48-INCH	LF	1,917.000	1,917.000
0490	610.0114	STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-III 14X23-INCH	LF	33.000	33.000
0500	610.0138	STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-III 38X60-INCH	LF	85.000	85.000
0510	611.0420	RECONSTRUCTING MANHOLES	EACH	20.000	20.000
0520	611.0545	MANHOLE COVERS TYPE L	EACH	2.000	2.000
0530	611.0642	INLET COVERS TYPE MS	EACH	10.000	10.000
0540	611.1230	CATCH BASINS 2X3-FT	EACH	57.000	57.000
0550	611.2004	MANHOLES 4-FT DIAMETER	EACH	14.000	14.000
0560	611.2005	MANHOLES 5-FT DIAMETER	EACH	1.000	1.000
0570	611.2006	MANHOLES 6-FT DIAMETER	EACH	20.000	20.000
0580	611.2007	MANHOLES 7-FT DIAMETER	EACH	3.000	3.000
0590	611.2008	MANHOLES 8-FT DIAMETER	EACH	5.000	5.000
0600	611.2504	MANHOLES VARIABLE TEE 4-FT DIAMETER	EACH	2.000	2.000
0610	611.3901	INLETS MEDIAN 1 GRATE	EACH	8.000	8.000
0620	611.3902	INLETS MEDIAN 2 GRATE	EACH	1.000	1.000
0630	611.8110	ADJUSTING MANHOLE COVERS	EACH	17.000	17.000
0640	611.8115	ADJUSTING INLET COVERS	EACH	4.000	4.000
0650	612.0902.S	INSULATION BOARD POLYSTYRENE (INCH) 01. 2-INCH	SY	560.000	560.000
0660	612.0902.S	INSULATION BOARD POLYSTYRENE (INCH) 02. 4-INCH	SY	229.000	229.000
0670	619.1000	MOBILIZATION	EACH	1.000	1.000
0680	621.0100	LANDMARK REFERENCE MONUMENTS	EACH	8.000	8.000
0690	623.0200	DUST CONTROL SURFACE TREATMENT	SY	38,225.000	38,225.000
0700	624.0100	WATER	MGAL	135.000	135.000
0710	625.0100	TOPSOIL	SY	20,474.000	20,474.000
0720	628.1504	SILT FENCE	LF	330.000	330.000
0730	628.1520	SILT FENCE MAINTENANCE	LF	330.000	330.000
0740	628.1905	MOBILIZATIONS EROSION CONTROL	EACH	14.000	14.000
0750	628.1910	MOBILIZATIONS EMERGENCY EROSION CONTROL	EACH	7.000	7.000
0760	628.2008	EROSION MAT URBAN CLASS I TYPE B	SY	20,474.000	20,474.000
0770	628.7005	INLET PROTECTION TYPE A	EACH	93.000	93.000
0780	628.7010	INLET PROTECTION TYPE B	EACH	6.000	6.000
0790	628.7015	INLET PROTECTION TYPE C	EACH	71.000	71.000
0800	628.7555	CULVERT PIPE CHECKS	EACH	15.000	15.000
0810	628.7570	ROCK BAGS	EACH	30.000	30.000
0820	629.0210	FERTILIZER TYPE B	CWT	14.000	14.000
0830	630.0140	SEEDING MIXTURE NO. 40	LB	376.000	376.000
0840	630.0200	SEEDING TEMPORARY	LB	556.000	556.000
0850	633.5200	MARKERS CULVERT END	EACH	3.000	3.000
0860	634.0811	POSTS TUBULAR STEEL 2X2-INCH X 11-FT	EACH	45.000	45.000
0870	634.0812	POSTS TUBULAR STEEL 2X2-INCH X 12-FT	EACH	3.000	3.000
0880	637.0202	SIGNS REFLECTIVE TYPE II	SF	305.540	305.540
0890	637.0620	SIGN FLAGS PERMANENT TYPE II	EACH	8.000	8.000
0900	638.2102	MOVING SIGNS TYPE II	EACH	1.000	1.000
0910	638.4000	MOVING SMALL SIGN SUPPORTS	EACH	1.000	1.000

3

DATE 18FEB13 E S T I M A T E O F Q U A N T I T I E S

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	4996-01-56 QUANTITY
0920	642.5001	FIELD OFFICE TYPE B	EACH	1.000	1.000
0930	643.0100	TRAFFIC CONTROL (PROJECT) 01. 4996-01-56	EACH	1.000	1.000
0940	643.0300	TRAFFIC CONTROL DRUMS	DAY	12,070.000	12,070.000
0950	643.0405	TRAFFIC CONTROL BARRICADES TYPE I	DAY	510.000	510.000
0960	643.0410	TRAFFIC CONTROL BARRICADES TYPE II	DAY	916.000	916.000
0970	643.0420	TRAFFIC CONTROL BARRICADES TYPE III	DAY	5,656.000	5,656.000
0980	643.0705	TRAFFIC CONTROL WARNING LIGHTS TYPE A	DAY	11,954.000	11,954.000
0990	643.0900	TRAFFIC CONTROL SIGNS	DAY	7,389.000	7,389.000
1000	643.2000	TRAFFIC CONTROL DETOUR (PROJECT) 01. 4996-01-56	EACH	1.000	1.000
1010	643.3000	TRAFFIC CONTROL DETOUR SIGNS	DAY	3,195.000	3,195.000
1020	646.0106	PAVEMENT MARKING EPOXY 4-INCH	LF	21,875.000	21,875.000
1030	646.0126	PAVEMENT MARKING EPOXY 8-INCH	LF	249.000	249.000
1040	647.0110	PAVEMENT MARKING RAILROAD CROSSINGS EPOXY	EACH	2.000	2.000
1050	647.0166	PAVEMENT MARKING ARROWS EPOXY TYPE 2	EACH	4.000	4.000
1060	647.0170	PAVEMENT MARKING ARROWS EPOXY TYPE 3R	EACH	2.000	2.000
1070	647.0206	PAVEMENT MARKING ARROWS BIKE LANE EPOXY	EACH	45.000	45.000
1080	647.0306	PAVEMENT MARKING SYMBOLS BIKE LANE EPOXY	EACH	45.000	45.000
1090	647.0336	PAVEMENT MARKING SYMBOLS BIKE SHARED LANE EPOXY	EACH	1.000	1.000
1100	647.0356	PAVEMENT MARKING WORDS EPOXY	EACH	4.000	4.000
1110	647.0406	PAVEMENT MARKING WORDS BIKE LANE EPOXY	EACH	3.000	3.000
1120	647.0556	PAVEMENT MARKING STOP LINE EPOXY 12-INCH	LF	117.000	117.000
1130	647.0726	PAVEMENT MARKING DIAGONAL EPOXY 12-INCH	LF	60.000	60.000
1140	647.0766	PAVEMENT MARKING CROSSWALK EPOXY 6-INCH	LF	1,950.000	1,950.000
1150	647.0960	REMOVING PAVEMENT MARKINGS SYMBOLS	EACH	1.000	1.000
1160	650.4000	CONSTRUCTION STAKING STORM SEWER	EACH	109.000	109.000
1170	650.4500	CONSTRUCTION STAKING SUBGRADE	LF	8,010.000	8,010.000
1180	650.5000	CONSTRUCTION STAKING BASE	LF	1,297.000	1,297.000
1190	650.5500	CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER	LF	54.000	54.000
1200	650.7000	CONSTRUCTION STAKING CONCRETE PAVEMENT	LF	6,570.000	6,570.000
1210	650.8500	CONSTRUCTION STAKING ELECTRICAL INSTALLATIONS (PROJECT) 01. 4996-01-56	LS	1.000	1.000
1220	650.9910	CONSTRUCTION STAKING SUPPLEMENTAL CONTROL (PROJECT) 01. 4996-01-56	LS	1.000	1.000
1230	650.9920	CONSTRUCTION STAKING SLOPE STAKES	LF	16,406.000	16,406.000
1240	652.0225	CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH	LF	6,053.000	6,053.000
1250	653.0140	PULL BOXES STEEL 24X42-INCH	EACH	31.000	31.000
1260	655.0615	ELECTRICAL WIRE LIGHTING 10 AWG	LF	1,847.000	1,847.000
1270	655.0630	ELECTRICAL WIRE LIGHTING 4 AWG	LF	11,754.000	11,754.000
1280	655.0635	ELECTRICAL WIRE LIGHTING 2 AWG	LF	19,442.000	19,442.000
1290	656.0200	ELECTRICAL SERVICE METER BREAKER PEDESTAL (LOCATION) 01. 10+35	LS	1.000	1.000
1300	656.0200	ELECTRICAL SERVICE METER BREAKER PEDESTAL (LOCATION) 02. 34+90	LS	1.000	1.000
1310	690.0150	SAWING ASPHALT	LF	1,097.000	1,097.000
1320	690.0250	SAWING CONCRETE	LF	687.000	687.000
1330	715.0415	INCENTIVE STRENGTH CONCRETE PAVEMENT	DOL	7,414.000	7,414.000
1340	ASP.1T0A	ON-THE-JOB TRAINING APPRENTICE AT $5.00/HR	HRS	2,400.000	2,400.000
1350	ASP.1T0G	ON-THE-JOB TRAINING GRADUATE AT $5.00/HR	HRS	2,100.000	2,100.000

3

DATE 18FEB13 E S T I M A T E O F Q U A N T I T I E S

LINE 4996-01-56

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	QUANTITY
1360	SPV.0035	SPECIAL 01. EXCAVATION OF PHRAGMITES CONTAMINATED SOIL	CY	195.000	195.000
1370	SPV.0060	SPECIAL 01. EXPOSING EXISTING WATER SERVICE	EACH	2.000	2.000
1380	SPV.0060	SPECIAL 02. ADJUSTING WATER VALVE BOXES	EACH	26.000	26.000
1390	SPV.0060	SPECIAL 03. ADJUSTING CURB STOPS	EACH	1.000	1.000
1400	SPV.0060	SPECIAL 04. DECORATIVE LIGHTING ASSEMBLY TYPE A LED	EACH	46.000	46.000
1410	SPV.0060	SPECIAL 05. DECORATIVE LIGHT ASSEMBLY TYPE A CONCRETE BASE	EACH	46.000	46.000
1420	SPV.0060	SPECIAL 06. CONTROL CABINET A	EACH	1.000	1.000
1430	SPV.0060	SPECIAL 07. CONCRETE BASE FOR CONTROL CABINET A	EACH	1.000	1.000
1440	SPV.0060	SPECIAL 08. CONTROL CABINET B	EACH	1.000	1.000
1450	SPV.0060	SPECIAL 09. CONCRETE BASE FOR CONTROL CABINET B	EACH	1.000	1.000
1460	SPV.0060	SPECIAL 10. MANHOLE COVERS TYPE J SPECIAL	EACH	41.000	41.000
1470	SPV.0060	SPECIAL 11. INLET COVERS TYPE H SPECIAL	EACH	60.000	60.000
1480	SPV.0060	SPECIAL 12. MANHOLES 2-FT DIAMETER SPECIAL	EACH	1.000	1.000
1490	SPV.0090	SPECIAL 01. CURB AND GUTTER 32-INCH, TYPE A, INTEGRAL, SPECIAL	LF	12,353.000	12,353.000
1500	SPV.0090	SPECIAL 02. CURB AND GUTTER 32-INCH, TYPE D, SPECIAL	LF	54.000	54.000
1510	SPV.0090	SPECIAL 03. STORM SEWER PIPE PVC 4-INCH	LF	647.000	647.000
1520	SPV.0090	SPECIAL 04. STORM SEWER PIPE PVC 6-INCH	LF	36.000	36.000
1530	SPV.0090	SPECIAL 05. WATER SERVICE 1-INCH	LF	20.000	20.000
1540	SPV.0090	SPECIAL 06. WATER SERVICE 1 1/2-INCH	LF	20.000	20.000
1550	SPV.0090	SPECIAL 07. STORM SEWER PIPE PVC 8-INCH	LF	319.000	319.000
1560	SPV.0090	SPECIAL 08. STORM SEWER PIPE PVC 18-INCH	LF	44.000	44.000
1570	SPV.0090	SPECIAL 09. STORM SEWER PIPE PVC 21-INCH	LF	46.000	46.000
1580	SPV.0090	SPECIAL 10. STORM SEWER PIPE PVC 30-INCH	LF	37.000	37.000
1590	SPV.0105	SPECIAL 01. JOINT LAYOUT	LS	1.000	1.000
1600	SPV.0165	SPECIAL 01. CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA SPECIAL	SF	480.000	480.000
1610	SPV.0165	SPECIAL 02. TEMPORARY SHORING	SF	225.000	225.000
1620	SPV.0180	SPECIAL 01. JOINT SEALING	SY	24,712.000	24,712.000
1630	SPV.0195	SPECIAL 01. EXCAVATION, HAULING, AND DISPOSAL OF CONTAMINATED SOIL	TON	14.000	14.000

3

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CLEARING AND GRUBBING

STATION	-	STATION	LOCATION	201.0105 CLEARING STA	201.0205 GRUBBING STA	201.0120 CLEARING ID	201.0220 GRUBBING ID
10+00	-	11+00	LT	1	1	---	---
12+50			LT	---	---	24	24
31+56			LT	---	---	12	12
31+82			LT	---	---	12	12
32+05			LT	---	---	12	12
32+27			LT	---	---	12	12
32+61			RT	---	---	6	6
32+81			LT	---	---	12	12
34+00			LT	---	---	12	12
35+25	-	36+25	LT	2	2	---	---
36+64			LT	---	---	30	30
41+73			LT	---	---	30	30
44+18			RT	---	---	12	12
44+47			RT	---	---	12	12
45+88			LT	---	---	4	4
46+38			LT	---	---	15	15
48+80			RT	---	---	12	12
49+15			LT	---	---	6	6
50+54			LT	---	---	12	12
57+47			LT	---	---	10	10
57+78			LT	---	---	36	36
59+44			LT	---	---	36	36
61+18			LT	---	---	36	36
62+18			LT	---	---	12	12
TOTAL				3	3	365	365

BUSHES FROM 38+68 - 39+80 LT MAY OVERHANG NEW SIDEWALK. TRIM IF NECESSARY.

REMOVING PAVEMENT

STATION	-	STATION	LOCATION	204.0100 SY
10+95	-	10+98	EISNER AVE	10
21+72			LT, DRIVEWAY	40
22+32			LT, DRIVEWAY	40
24+65			LT, DRIVEWAY	65
40+60			LT, DRIVEWAY	10
42+10			RT, DRIVEWAY	65
44+23			LT, DRIVEWAY	5
52+70			RT, DRIVEWAY	30
53+70			RT, DRIVEWAY	20
69+10			RT, DRIVEWAY	50
69+90			RT, DRIVEWAY	40
70+38	-	70+58	8TH ST RT	50
6'LS'+92	-	9'LS'+59	CTH LS/LAKESHORE DR	860
9'LS'+59	-	10'LS'+87	CTH LS/LAKESHORE DR	440
10'LS'+87	-	13'LS'+08	CTH LS/LAKESHORE DR	725
10'LS'+50			RT, DRIVEWAY	40
11'LS'+28			RT, DRIVEWAY	10
12'LS'+25			RT, DRIVEWAY	20
12'LS'+40			LT, DRIVEWAY	5
8'J'+90	-	9'J'+65	N 13TH ST	335
8'M'+90	-	9'M'+65	N 10TH ST	340
TOTAL				3,200

REMOVING SMALL PIPE CULVERTS

STATION	LOCATION	OFFSET	203.0100 EACH
15+05	FIELD ENTRANCE	LT	1
15+58	DRIVEWAY	LT	1
16+30	DRIVEWAY	RT	1
18+85	DRIVEWAY	LT	1
19+69	DRIVEWAY	RT	1
21+73	DRIVEWAY	LT	1
21+76	DRIVEWAY	RT	1
21+86	DRIVEWAY	LT	1
22+33	DRIVEWAY	LT	1
23+39	HUBERT CIR.	LT	1
24+08	DRIVEWAY	RT	1
24+69	DRIVEWAY	LT	1
25+80	DRIVEWAY	LT	1
26+60	DRIVEWAY	RT	1
28+49	DRIVEWAY	LT	1
28+80	DRIVEWAY	RT	1
42+10	DRIVEWAY	RT	1
51+88	DRIVEWAY	RT	1
52+70	DRIVEWAY	RT	1
61+61	DRIVEWAY	RT	1
65+50	N 8TH ST	LT	1
TOTAL			21

REMOVING CURB & GUTTER

STATION	-	STATION	OFFSET	LOCATION	204.0150 LF
45+90			RT	DRIVEWAY	8
46+20			RT	DRIVEWAY	8
47+46			RT	DRIVEWAY	5
47+77			RT	DRIVEWAY	5
TOTAL					26

REMOVING DELINEATORS AND MARKERS

STATION	LOCATION	204.0180 EACH
14+07	RT	1
14+33	LT	2
14+53	RT	2
27+60	LT	1
30+96	RT	1
42+70	LT	1
43+69	LT	1
49+59	RT	1
54+61	LT	1
54+63	RT	1
55+19	LT	1
58+48	LT	1
9'LS'+54	RT	2
10'LS'+68	LT	1
10'G'+44	RT	2
10'G'+44	LT	2
9'L'+63	LT	2
9'L'+64	RT	2
TOTAL		25

ALL QUANTITIES ARE CATEGORY 0020

REMOVING CONCRETE SIDEWALK

STATION	LOCATION	204.0155 SY
32+50	LT	4
33+69	LT	5
35+42	LT	3
36+22	LT	3
TOTAL		15

REMOVING MANHOLES

STATION	OFFSET	204.0210 EACH	TYPE
14+61	RT	1	STORM
16+87	RT	1	STORM
17+24	LT	1	STORM
20+12	LT	1	STORM
23+27	LT	1	STORM
27+30	LT	1	STORM
30+91	LT	1	STORM
31+25	LT	1	STORM
31+86	RT	1	STORM
33+02	RT	1	STORM
38+11	LT	1	STORM
39+22	RT	1	STORM
39+24	LT	1	STORM
42+54	LT	1	STORM
44+07	LT	1	STORM
48+30	LT	1	STORM
48+97	LT	1	STORM
50+07	LT	1	STORM
51+97	LT	1	STORM
55+94	LT	1	STORM
58+73	LT	1	STORM
10'Q'+26	RT	1	STORM
EISNER AVE	390' E OF 8TH ST	1	STORM
EISNER AVE	820' E OF 8TH ST	1	STORM
TOTAL		24	

REMOVING STORM SEWER

STATION		STATION	OFFSET	204.0245.01 6-INCH	204.0245.02 12-INCH	204.0245.03 15-INCH	204.0245.04 18-INCH	204.0245.05 21-INCH	204.0245.06 24-INCH	204.0245.07 30-INCH	204.0245.08 36-INCH
					LF	LF	LF	LF	LF	LF	LF
11+14			RT	---	16	---	---	---	---	---	---
13+95			LT	---	28	---	---	---	---	---	---
14+07			RT	---	10	---	---	---	---	---	---
14+33	-	14+53	RT/LT	---	15	---	---	---	---	---	---
14+56	-	16+88	RT	---	---	---	---	---	---	---	231
16+88			RT	---	---	15	---	---	---	---	---
16+88	-	17+24	LT	---	---	---	---	---	---	---	48
17+24	-	20+13	LT	---	---	---	---	---	---	---	288
19+94			LT	---	---	4	---	---	---	---	---
20+13	-	23+27	LT	---	---	---	---	---	---	314	---
20+13	-	20+28	RT/LT	---	---	45	---	---	---	---	---
20+69			LT	---	---	4	---	---	---	---	---
23+27	-	23+39	RT/LT	---	46	---	---	---	---	---	---
23+27	-	27+30	LT	---	---	---	---	---	403	---	---
23+30	-	23+35	RT	25	---	---	---	---	---	---	---
23+75			LT		---	3	---	---	---	---	---
27+30	-	27+46	RT/LT	---	45	---	---	---	---	---	---
27+30	-	30+74	LT	---	---	---	---	---	339	---	---
27+61			LT	---	12	---	---	---	---	---	---
27+92	-	28+02	LT/RT	---	63	---	---	---	---	---	---
30+74			LT	---	23	---	---	---	---	---	---
30+74	-	30+96	RT	---	---	59	---	---	---	---	---
30+74	-	31+30	LT	---	---	---	---	---	56	---	---
31+30	-	31+52	RT/LT	---	71	---	---	---	---	---	---
31+72	-	31+87	RT	---	---	32	---	---	---	---	---
31+87	-	33+04	RT	---	---	---	116	---	---	---	---
33+04	-	34+16	RT	---	---	---	114	---	---	---	---
34+16	-	35+11	RT	---	---	---	96	---	---	---	---
35+11	-	36+26	RT	---	---	---	115	---	---	---	---
36+26	-	37+12	RT	---	---	---	86	---	---	---	---
37+12	-	39+22	RT	---	---	---	210	---	---	---	---
38+12	-	39+26	LT	---	115	---	---	---	---	---	---
39+14	-	39+68	RT	---	---	---	---	---	54	---	---
39+23	-	39+26	RT/LT	---	---	---	---	---	---	---	40
39+26	-	42+52	LT	---	---	326	---	---	---	---	---
42+01	-	42+03	LT	---	5	---	---	---	---	---	---
42+28	-	42+40	RT	31	---	---	---	---	---	---	---
42+40	-	42+52	RT/LT	---	38	---	---	---	---	---	---
42+52			LT	---	27	---	---	---	---	---	---
42+52	-	44+07	LT	---	---	---	---	---	155	---	---
42+70			LT	---	4	---	---	---	---	---	---
43+69			LT	---	4	---	---	---	---	---	---
43+90	-	44+09	RT	---	28	---	---	---	---	---	---
44+07	-	44+09	RT/LT	---	37	---	---	---	---	---	---
44+07	-	48+30	LT	---	---	---	---	---	423	---	---
48+30	-	48+97	LT	---	---	---	---	---	68	---	---
48+97	-	51+97	LT	---	---	---	---	---	---	300	---
49+59			RT/LT	---	34	---	---	---	---	---	---
49+59	-	49+82	RT	---	28	---	---	---	---	---	---
50+07	-	50+09	RT/LT	---	---	---	---	56	---	---	---

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ALL QUANTITIES ARE CATEGORY 0020

CONTINUED FROM PREVIOUS PAGE

REMOVING STORM SEWER

STATION	-	STATION	OFFSET	204.0245.01 6-INCH	204.0245.02 12-INCH LF	204.0245.03 15-INCH LF	204.0245.04 18-INCH LF	204.0245.05 21-INCH LF	204.0245.06 24-INCH LF	204.0245.07 30-INCH LF	204.0245.08 36-INCH LF
50+09	-	50+18	RT	---	9	---	---	---	---	---	---
51+97	-	55+94	LT	---	---	---	---	---	---	396	---
54+61	-	54+63	RT/LT	---	40	---	---	---	---	---	---
54+62			LT	---	5	---	---	---	---	---	---
55+19			LT	---	5	---	---	---	---	---	---
55+94	-	58+73	LT	---	---	---	---	---	---	---	279
58+41			RT/LT	---	35	---	---	---	---	---	---
58+48			LT	---	5	---	---	---	---	---	---
58+69	-	59+09	RT	---	40	---	---	---	---	---	---
58+73			RT/LT	---	---	---	58	---	---	---	---
58+73	-	10'P'+92	LT	---	---	---	---	---	---	---	549
63+65			LT	---	5	---	---	---	---	---	---
66+32			RT/LT	---	---	---	55	---	---	---	---
10'P'+55	-	10'P'+92	RT/LT	---	38	---	---	---	---	---	---
10'Q'+00	-	13'Q'+91	LT	---	---	---	---	---	---	---	390
13'Q'+91	-	18'Q'+20	LT	---	---	---	---	---	---	---	429
TOTAL				**56**	**831**	**488**	**850**	**56**	**1,498**	**1,010**	**2,254**

REMOVING INLETS

STATION	OFFSET	204.0220 EACH
13+95	LT	1
14+07	RT	1
14+53	RT	1
27+60	LT	1
30+75	LT	1
30+96	RT	1
31+51	RT	1
34+16	RT	1
35+10	RT	1
36+26	RT	1
37+12	RT	1
42+00	LT	1
42+40	RT	1
42+70	LT	1
43+69	LT	1
44+08	RT	1
49+59	RT	1
49+83	RT	1
50+19	RT	1
54+60	LT	1
54+62	RT	1
55+19	LT	1
58+41	RT	1
58+48	LT	1
58+65	RT	1
59+05	RT	1
63+80	LT	1
64+04	RT	1
66+30	LT	1
TOTAL		**29**

ABANDONING INLETS

STATION	OFFSET	204.0260 EACH
14+33	LT	1
TOTAL		**1**

ALL QUANTITIES ARE CATEGORY 0020

From/To Station	Location	Excavation Common (1) (item # 205.0100)		Salvaged/Unusable Pavement Material (3)	Available Material (5)	Unexpanded Fill	Expanded Fill (5)	Mass Ordinate +/- (6)	Waste	Borrow	Comment:
		Cut	EBS Excavation				Factor 1.30			(item #208.0100)	
10+98.07 TO 66+50.00	Eisner Ave.	26357	0	3850	22507	438	569	21938	21938	0	
67+00.00 TO 70+58.60 & 10+16.00 TO 11+88.50	N. 8th St.	1160	0	345	816	122	158	658	658	0	
6+91.60 TO 13+07.61	CTH LS/Lakeshore Rd.	1692	0	684	1008	159	207	801	801	0	
10+16.88 TO 10+63.26	20TH PL.	103	0	17	86	3	4	82	82	0	
10+16.00 TO 11+50.00	N. 20TH ST.	347	0	33	314	2	3	311	311	0	
10+16.00 TO 11+25.00	N. 19TH ST.	362	0	38	324	0	0	324	324	0	
10+16.01 TO 11+25.00	HUBERT CIRCLE	203	0	27	176	11	14	162	162	0	
10+16.81 TO 11+20.00	N. 17TH ST.	253	0	25	228	0	0	228	228	0	
10+16.01 TO 11+10.00	KOEHLER DR.	186	0	26	160	0	0	160	160	0	
10+16.00 TO 11+10.00	N. 14TH ST.	179	0	26	153	0	0	153	153	0	
10+16.00 TO 11+10.00	N. 13TH ST.	182	0	26	156	0	0	156	156	0	
8+90.00 TO 9+84.00	N. 13TH ST. (SOUTH)	228	0	81	147	0	0	147	147	0	
10+15.93 TO 10+41.70	N. 12TH ST.	94	0	20	74	0	0	74	74	0	
8+87.50 TO 9+84.00	N. 12TH ST. (SOUTH)	218	0	26	192	0	0	192	192	0	
10+16.00 TO 10+40.25	ROSEWOOD CT.	95	0	19	76	0	0	76	76	0	
10+16.01 TO 10+39.61	HIGHCLIFF CT.	171	0	31	140	0	0	140	140	0	
10+16.01 TO 11+37.50	N. 10TH ST.	380	0	81	299	4	5	294	294	0	
8+90.00 TO 9+84.00	N. 10TH ST. (SOUTH)	278	0	33	245	0	0	245	245	0	
10+12.00 TO 11+55.00	EISNER AVE. (EAST)	274	0	75	199	0	0	199	199	0	
		32763	0	5463	27300	738	960	26340	26340	0	
	Total Common Excavation		32763								

1) Excavation Common is the sum of the Cut and EBS Excavation columns. Item number 205.0100
2) Salvaged/Unsuable Pavement Material is included in Cut.
3) Salvaged/Unusable Pavement Material
4) Available Material = Cut - Salvaged/Unusuable Pavement Material
5) Expanded Fill. Factor = 1.30 Expanded Fill = Unexpanded Fill * Fill Factor
6) The Mass Ordinate + or - Qty calculated for the Division. Plus quantity indicates an excess of material within the Division. Minus indicates a shortage of material within the Division.

CAT 0010 Common Excavation quantity calculated by ratio of sidewalks + bike lanes over total project width
CAT 0010 = 32.25% of total Common Excavation = 10,556 CY
CAT 0020 = 67.75% of total Common Excavation = 22,197 CY

ALL QUANTITIES ARE
CATEGORY 0010 & 0020

BASE AGGREGATE

STATION	-	STATION	LOCATION	CAT. CODE 0010 305.0110 3/4-INCH TONS	305.0110 3/4-INCH TONS	CAT. CODE 0010 305.0120 1 1/4-INCH TONS	305.0120 1 1/4-INCH TONS
10+27	-	11+09	LT, SIDEWALK	8	---	---	---
10+98	-	14+06	EISNER AVE	---	---	120	375
11+09	-	11+69	LT, DRIVEWAY	---	---	---	11
11+20			LT, DRIVEWAY	---	---	2	3
11+30	-	11+39	LT, SIDEWALK	1	---	---	---
11+49			LT, DRIVEWAY	---	---	2	3
11+59	-	12+09	LT, SIDEWALK	5	---	---	---
12+20			LT, DRIVEWAY	---	---	2	7
12+32	-	13+23	LT, SIDEWALK	9	---	---	---
13+60	-	14+01	LT, SIDEWALK	4	---	---	---
14+01	-	14+16	LT, SIDEWALK	---	---	3	---
14+06	-	14+22	EISNER AVE	---	---	---	26
14+23	-	14+36	LT, SIDEWALK	---	---	4	---
14+33	-	14+49	EISNER AVE	---	---	---	26
14+36	-	14+98	LT, SIDEWALK	6	---	---	---
14+49	-	30+89	EISNER AVE	---	---	638	2,050
15+04			LT, DRIVEWAY	---	1	1	2
15+10	-	15+53	LT, SIDEWALK	4	---	---	---
15+59			LT, DRIVEWAY	---	---	1	4
15+66	-	16+94	LT, SIDEWALK	12	---	---	---
16+25	-	16+40	RT, DRIVEWAY	---	8	---	---
16+32			RT, DRIVEWAY	---	---	---	3
17+22	-	18+78	LT, SIDEWALK	15	---	---	---
18+78	-	18+92	LT, DRIVEWAY	---	10	---	---
18+85			LT, DRIVEWAY	---	9	1	3
18+92	-	20+10	LT, SIDEWALK	11	---	---	---
19+44	-	19+88	RT, DRIVEWAY	---	---	---	17
19+66			RT, DRIVEWAY	---	---	---	22
20+44	-	21+65	LT, SIDEWALK	12	---	---	---
21+72			LT, DRIVEWAY	---	---	1	8
21+57	-	21+93	RT, DRIVEWAY	---	---	---	16
21+75			RT, DRIVEWAY	---	---	---	19
21+79	-	22+25	LT, SIDEWALK	4	---	---	---
22+33			LT, DRIVEWAY	---	---	2	12
22+42	-	23+25	LT, SIDEWALK	8	---	---	---
23+53	-	24+60	LT, SIDEWALK	10	---	---	---
23+80	-	24+33	RT, DRIVEWAY	---	---	---	18
24+06			RT, DRIVEWAY	---	---	---	27
24+69			LT, DRIVEWAY	---	---	2	12
24+77	-	25+75	LT, SIDEWALK	10	---	---	---
25+75	-	25+86	LT, DRIVEWAY	---	---	---	1
25+81			LT, DRIVEWAY	---	---	1	2
25+86	-	27+26	LT, SIDEWALK	14	---	---	---
26+48	-	26+70	RT, DRIVEWAY	---	---	---	3
26+59			RT, DRIVEWAY	---	---	---	6
27+57	-	28+38	LT, SIDEWALK	8	---	---	---
28+38	-	28+54	LT, DRIVEWAY	---	---	---	9
28+46			LT, DRIVEWAY	---	---	2	3
28+55	-	29+21	LT, SIDEWALK	7	---	---	---
28+72	-	28+94	RT, DRIVEWAY	---	---	---	7
28+83			RT, DRIVEWAY	---	---	---	6
29+21	-	29+59	LT, DRIVEWAY	---	22	---	---
29+40			LT, DRIVEWAY	---	---	4	17
29+59	-	30+76	LT, SIDEWALK	11	---	---	---
31+34	-	33+00	LT, SIDEWALK	17	---	---	---

BASE AGGREGATE

STATION	-	STATION	LOCATION	CAT. CODE 0010 305.0110 3/4-INCH TONS	305.0110 3/4-INCH TONS	CAT. CODE 0010 305.0120 1 1/4-INCH TONS	305.0120 1 1/4-INCH TONS
31+44	-	70+59	EISNER AVE/N 8TH ST	---	---	1523	4,865
31+57	-	32+92	RT, SIDEWALK	13	---	---	---
32+84	-	33+26	RT, DRIVEWAY	---	---	---	20
33+07			RT, DRIVEWAY	---	---	6	9
33+21	-	36+15	RT, SIDEWALK	30	---	---	---
33+28	-	35+03	LT, SIDEWALK	18	---	---	---
35+03	-	35+13	LT, DRIVEWAY	---	---	---	3
35+08			LT, DRIVEWAY	---	---	1	2
35+13	-	35+70	LT, SIDEWALK	6	---	---	---
35+70	-	35+80	LT, DRIVEWAY	---	---	---	5
35+75			LT, DRIVEWAY	---	---	1	2
35+80	-	36+47	LT, SIDEWALK	6	---	---	---
36+15	-	36+39	RT, DRIVEWAY	---	---	---	11
36+27			RT, DRIVEWAY	---	---	4	8
36+39	-	39+29	RT, SIDEWALK	29	---	---	---
36+47	-	36+58	LT, DRIVEWAY	---	---	---	5
36+53			LT, DRIVEWAY	---	---	1	2
36+58	-	38+25	LT, SIDEWALK	17	---	---	---
38+53	-	40+51	LT, SIDEWALK	19	---	---	---
39+28	-	39+51	RT, DRIVEWAY	---	---	---	15
39+40			RT, DRIVEWAY	---	---	4	8
39+51	-	42+04	RT, SIDEWALK	25	---	---	---
40+60			LT, DRIVEWAY	---	---	2	5
40+68	-	41+51	LT, SIDEWALK	8	---	---	---
41+51	-	41+64	LT, DRIVEWAY	---	---	---	4
41+58			LT, DRIVEWAY	---	---	1	2
41+64	-	42+19	LT, SIDEWALK	5	---	---	---
42+13			RT, DRIVEWAY	---	---	2	16
42+22	-	43+48	RT, SIDEWALK	14	---	---	---
42+47	-	44+21	LT, SIDEWALK	19	---	---	---
43+90	-	45+90	RT, SIDEWALK	21	---	---	---
44+26			LT, DRIVEWAY	---	---	1	3
44+30	-	44+58	LT, SIDEWALK	3	---	---	---
44+58	-	44+76	LT, DRIVEWAY	---	1	---	---
44+67			LT, DRIVEWAY	---	---	2	3
44+76	-	45+31	LT, SIDEWALK	5	---	---	---
45+31	-	45+45	LT, DRIVEWAY	---	1	---	---
45+38			LT, DRIVEWAY	---	1	1	2
45+45	-	46+05	LT, SIDEWALK	6	---	---	---
45+90	-	46+20	RT, DRIVEWAY	---	---	---	12
46+05			RT, DRIVEWAY	---	---	6	9
46+05	-	46+28	LT, DRIVEWAY	---	---	---	6
46+16			LT, DRIVEWAY	---	---	2	4
46+20	-	47+47	RT, SIDEWALK	12	---	---	---
46+28	-	47+15	LT, SIDEWALK	8	---	---	---
47+15	-	47+34	LT, DRIVEWAY	---	5	---	---
47+24			LT, DRIVEWAY	---	5	2	3
47+34	-	48+66	LT, SIDEWALK	14	---	---	---
47+47	-	47+77	RT, DRIVEWAY	---	---	---	8
47+62			RT, DRIVEWAY	---	---	6	10
47+77	-	49+87	RT, SIDEWALK	22	---	---	---
49+04	-	49+76	LT, SIDEWALK	7	---	---	---
49+76	-	50+10	LT, DRIVEWAY	---	11	---	---
49+93			LT, DRIVEWAY	---	9	3	5
50+10	-	51+90	LT, SIDEWALK	19	---	---	---

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ALL QUANTITIES ARE CATEGORY 0020 EXCEPT AS NOTED

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BATCH PRINT SHEET 1 OF 3
PRINTER DRIVER: L:\library\TPN_CADstds\Workspace-Clients\WisDOT\Microstation\Resources\MS_Printing\Printer_Drivers\ET_PDF_11 x 17.plt
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PLOT TIME: 12:50:25 PM
PLOT SCALE: 1:2
WISDOT/CADDS SHEET 43

CONTINUED FROM PREVIOUS PAGE

BASE AGGREGATE

STATION	-	STATION	LOCATION	CAT. CODE 0010 305.0110 3/4-INCH TONS	305.0110 3/4-INCH TONS	CAT. CODE 0010 305.0120 1 1/4-INCH TONS	305.0120 1 1/4-INCH TONS
50+21	-	51+77	RT, SIDEWALK	16	---	---	---
51+73	-	51+94	RT, DRIVEWAY	---	---	---	5
51+86			RT, DRIVEWAY	---	---	2	3
51+94	-	52+62	RT, SIDEWALK	8	---	---	---
52+28	-	55+34	LT, SIDEWALK	33	---	---	---
52+70			RT, DRIVEWAY	---	---	2	13
52+77	-	53+61	RT, SIDEWALK	8	---	---	---
53+70			RT, DRIVEWAY	---	---	---	12
53+79	-	54+70	RT, SIDEWALK	9	---	---	---
54+59	-	54+91	RT, DRIVEWAY	---	---	---	18
54+80			RT, DRIVEWAY	---	---	2	3
54+89	-	56+52	RT, SIDEWALK	18	---	---	---
55+96	-	58+82	LT, SIDEWALK	30	---	---	---
56+52	-	56+67	RT, DRIVEWAY	---	---	---	10
56+59			RT, DRIVEWAY	---	---	1	2
56+67	-	58+68	RT, SIDEWALK	19	---	---	---
59+10	-	59+88	LT, SIDEWALK	9	---	---	---
59+10	-	61+55	RT, SIDEWALK	26	---	---	---
59+88	-	60+02	LT, DRIVEWAY	---	11	---	---
59+94			LT, DRIVEWAY	---	11	1	2
60+00	-	61+31	LT, SIDEWALK	13	---	---	---
61+31	-	61+43	LT, DRIVEWAY	---	5	---	---
61+37			LT, DRIVEWAY	---	4	1	2
61+43	-	62+68	LT, SIDEWALK	13	---	---	---
61+29	-	62+03	RT, DRIVEWAY	---	---	---	36
61+65			RT, DRIVEWAY	---	---	2	3
61+74	-	62+58	RT, SIDEWALK	9	---	---	---
62+58	-	62+82	RT, DRIVEWAY	---	---	---	11
62+65	-	62+88	LT, DRIVEWAY	---	---	---	20
62+78			LT, DRIVEWAY	---	---	2	4
62+70			RT, DRIVEWAY	---	---	2	4
62+88	-	63+85	LT, SIDEWALK	11	---	---	---
62+82	-	69+05	RT, SIDEWALK	58	---	---	---
64+17	-	68+63	LT, SIDEWALK	45	---	---	---
68+63	-	68+75	LT, DRIVEWAY	---	---	---	2
68+68			LT, DRIVEWAY	---	---	1	2
68+75	-	70+40	LT, SIDEWALK	16	---	---	---
69+13			8TH ST RT, DRIVEWAY	---	---	2	7
69+21	-	69+80	RT, SIDEWALK	6	---	---	---
69+90			8TH ST RT, DRIVEWAY	---	---	2	4
69+99	-	70+61	RT, SIDEWALK	3	---	---	---
10'A'+22	-	10'A'+62	N 20TH PL	---	---	---	68
10'B'+21	-	11'B'+50	N 20TH ST	---	---	---	189
11'B'+24			RT, DRIVEWAY	---	---	---	4
10'C'+21	-	11'C'+25	N 19TH ST	---	---	---	199
10'C'+87			LT, DRIVEWAY	---	---	---	8
10'H'+21	-	11'H'+25	HUBERT CR	---	---	---	156
10'H'+78			RT, DRIVEWAY	---	---	---	4
10'H'+83			LT, DRIVEWAY	---	---	---	5
10'D'+22	-	11'D'+20	N 17TH ST	---	---	---	146
6'LS'+92	-	13'LS'+08	N 15TH ST	---	---	21	1,412
10'LS'+51			RT, DRIVEWAY	---	---	---	7
11'LS'+28			RT, DRIVEWAY	---	---	---	2
11'LS'+62			RT, DRIVEWAY	---	---	---	2
11'LS'+71			LT, DRIVEWAY	---	---	---	2

BASE AGGREGATE

STATION	-	STATION	LOCATION	CAT. CODE 0010 305.0110 3/4-INCH TONS	305.0110 3/4-INCH TONS	CAT. CODE 0010 305.0120 1 1/4-INCH TONS	305.0120 1 1/4-INCH TONS
12'LS'+25			RT, DRIVEWAY	---	---	---	7
12'LS'+39			LT, DRIVEWAY	---	---	---	5
12'LS'+96			LT, DRIVEWAY	---	---	---	4
10'K'+21	-	11'K'+10	KOEHLER DR	---	---	---	136
10'F'+21	-	11'F'+10	N 14TH ST	---	---	---	136
10'G'+21	-	11'G'+10	N 13TH ST	---	---	---	132
8'J'+90	-	9'J'+80	N 13TH ST	---	---	---	162
10'E'+21	-	10'E'+42	N 12TH ST	---	---	---	37
8'L'+87	-	9'L'+79	N 12TH ST	---	---	---	157
10'R'+21	-	10'R'+40	ROSEWOOD CT	---	---	---	33
10'HC'+21	-	10'HC'+40	HIGHCLIFF CT	---	---	---	51
8'M'+90	-	9'M'+79	N 10TH ST	---	---	---	160
10'N'+21	-	11'N'+38	N 10TH ST	---	---	---	179
10'P'+21	-	11'P'+89	N 8TH ST/EISNER AVE	---	---	---	536
11'Q'+03			LT, DRIVEWAY	---	9	---	---
---		---	N 6TH ST AT EISNER AVE	---	---	---	44
UNDISTRIBUTED				84	12	240	1,187
TOTAL				**927**	**136**	**2635**	**13097**

CAT. CODE 0010 = BASE FOR ONE - 5' WIDE BIKE LANE ON EACH SIDE OF EISNER AVE. AND BASE FOR ALL CONCRETE SIDEWALK

CONCRETE PAVEMENT ITEMS

STATION	-	STATION	LOCATION	CAT. CODE 0010 415.0070 CONCRETE PAVEMENT 7-INCH SY	415.0070 CONCRETE PAVEMENT 7-INCH SY	CAT. CODE 0010 SPV.0180.01 JOINT SEALING SY	SPV.0180.01 JOINT SEALING SY
10+98	-	14+06	EISNER AVE	221	1,000	221	1,000
14+49	-	70+58	EISNER AVE	4,026	19,465	4,026	19,465
TOTAL				**4,247**	**20,465**	**4,247**	**20,465**

CAT. CODE 0010 = ONE - 3.23' WIDE BIKE LANE ON EACH SIDE OF EISNER AVE.
INCENTIVE STRENGTH CONCRETE PAVEMENT IS APPLIED TO BOTH CATEGORY CODES USING THE AREAS LISTED ABOVE

ALL QUANTITIES ARE CATEGORY 0020 EXCEPT AS NOTED

CONCRETE DRIVEWAY

STATION	LOCATION	CAT. CODE 0010 416.0160 6-INCH SY	CAT. CODE 0010 416.0160 6-INCH SY	CAT. CODE 0010 416.0170 7-INCH SY	CAT. CODE 0010 416.0170 7-INCH SY
11+20	LT	12	20	---	---
11+48	LT	11	19	---	---
12+21	LT	13	39	---	---
15+03	LT	7	9	---	---
15+59	LT	8	23	---	---
16+32	RT	---	16	---	---
18+85	LT	8	15	---	---
19+67	RT	---	---	---	64
21+73	LT	8	45	---	---
21+75	RT	---	---	---	53
22+33	LT	9	66	---	---
24+05	RT	---	---	---	77
24+69	LT	9	66	---	---
25+81	LT	7	11	---	---
26+52	RT	---	33	---	---
28+46	LT	9	18	---	---
28+83	RT	---	32	---	---
29+40	LT	21	35	---	---
33+07	RT	—	---	16	27
35+07	LT	6	11	---	---
35+75	LT	6	11	---	---
36+28	RT	—	---	12	23
36+53	LT	6	12	---	---
39+39	RT	---	---	12	22
40+60	LT	10	29	---	---
41+57	LT	8	13	---	---
42+12	RT	10	93	---	---
44+25	LT	6	15	---	---
44+66	LT	10	18	---	---
45+37	LT	8	13	---	---
46+04	RT	—	---	17	27
46+15	LT	13	22	---	---
47+24	LT	11	18	---	---
47+62	RT	---	---	17	27
49+92	LT	19	31	---	---
51+87	RT	9	17	---	---
52+70	RT	9	75	---	---
53+70	RT	10	58	---	---
54+79	RT	11	18	---	---
56+59	RT	8	14	---	---
59+94	LT	7	12	---	---
61+37	LT	7	12	---	---
61+64	RT	10	18	---	---
62+78	LT	12	22	---	---
62+70	RT	13	25	---	---
68+69	LT	7	12	---	---
69+13	RT	9	39	---	---
69+90	RT	10	23	---	---
11'B'+25	RT	---	26	---	---
10'C'+87	LT	---	47	---	---
10'H'+78	RT	---	24	---	---
10'H'+83	LT	---	26	---	---
10'LS'+51	RT	---	41	---	---
TOTAL		**357**	**1,242**	**74**	**320**

ASPHALT ITEMS

STATION	-	STATION	LOCATION	455.0120 ASPHALTIC MATERIAL PG64-28 TON	455.0605 TACK COAT GAL	460.1101 HMA PAVEMENT TYPE E-1 TON	REMARKS
14+01	-	14+65	LT, SIDEWALK	0.2	1	4	CAT. CODE 0010
14+06	-	14+22	EISNER AVE	1.3	2	24	
14+23	-	14+36	LT, SIDEWALK	0.3	1	5	CAT. CODE 0010
14+33	-	14+49	EISNER AVE	1.3	2	24	
10'A'+52	-	10'A'+62	N 20TH PL	0.4	1	7	
10'B'+35	-	11'B'+50	N 20TH ST	3.2	7	58	
10'C'+34	-	11'C'+25	N 19TH ST	3.4	7	62	
10'H'+34	-	11'H'+25	HUBERT CR	2.6	5	47	
10'D'+45	-	11'D'+20	N 17TH ST	2.1	4	39	
6'LS'+92	-	8'LS'+25	CTH LS/LAKESHORE DR	6.5	13	119	
11'LS'+15	-	13'LS'+08	CTH LS/LAKESHORE DR	9.8	20	179	
10'K'+35	-	11'K'+10	KOEHLER DR	2.2	5	40	
10'F'+35	-	11'F'+10	N 14TH ST	2.2	5	40	
10'G'+35	-	11'G'+10	N 13TH ST	2.1	4	38	
8'L'+87	-	9'L'+66	N 12TH ST	2.6	5	47	
10'N'+35	-	11'N'+38	N 10TH ST	3.0	6	55	
10'P'+38	-	11'P'+89	N 8TH ST/EISNER AVE	9.8	20	178	
STORM SEWER PATCH			EISNER AVE	1.4	3	25	
---		---	N 6TH ST AT EISNER AVE	0.3	1	6	
CAT 0010 SUB TOTAL				**0.2**	**2**	**5**	
CAT 0020 SUB TOTAL				**55**	**110**	**995**	
TOTAL				**55.2**	**112**	**1000**	

DRILLED TIE BARS

STATION	416.0610 EACH
10+98	14
70+59	16
8'J'+90	16
10'E'+42	14
10'R'+40	14
10'HC'+40	24
8'M'+90	16
TOTAL	**114**

ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES

STATION	-	STATION	LOCATION	465.0120 TON
11+09	-	11+69	LT	5
19+44	-	19+88	RT	6
21+57	-	21+93	RT	6
23+80	-	24+33	RT	7
25+75	-	25+86	LT	3
26+48	-	26+70	RT	3
28+38	-	28+54	LT	4
28+72	-	28+94	RT	3
32+84	-	33+26	RT	7
35+03	-	35+13	LT	1
35+70	-	35+80	LT	2
36+15	-	36+39	LT	4
36+47	-	36+58	RT	2
39+28	-	39+51	RT	6
41+51	-	41+64	LT	4
45+31	-	45+45	RT	4
45+90	-	46+20	LT	3
47+47	-	47+77	RT	3
51+73	-	51+94	RT	3
54+59	-	54+91	RT	9

ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES

STATION	-	STATION	LOCATION	465.0120 TON
56+52	-	56+67	RT	5
61+29	-	62+03	RT	17
62+50	-	62+86	RT	5
62+65	-	62+88	LT	9
68+63	-	68+75	LT	1
11'LS'+20	-	11'LS'+36	RT	1
11'LS'+54	-	11'LS'+71	RT	1
11'LS'+62	-	11'LS'+78	LT	1
12'LS'+11	-	12'LS'+39	RT	3
12'LS'+28	-	12'LS'+50	LT	2
12'LS'+84	-	13'LS'+08	LT	2
TOTAL				**132**

ALL QUANTITIES ARE CATEGORY 0020 EXCEPT AS NOTED

CONCRETE CURB & GUTTER

STATION	-	STATION	LOCATION	SPV.0090.01 32-INCH TYPE A INTEGRAL SPECIAL LF	SPV.0090.02 32-INCH TYPE D SPECIAL LF
10+98	-	13+24	LT	244	---
10+98	-	14+06	RT	307	---
13+52	-	14+06	LT	76	---
14+06	-	14+08	LT	---	3
14+06	-	14+20	RT	---	14
14+34	-	14+49	LT	---	14
14+46	-	14+49	RT	---	3
14+49	-	16+95	LT	255	---
14+49	-	30+94	RT	1,803	---
17+21	-	20+11	LT	310	---
20+43	-	23+26	LT	302	---
20+52	-	27+26	LT	398	---
27+51	-	30+92	LT	421	---
31+35	-	33+01	LT	267	---
31+39	-	43+51	RT	1,415	---
33+27	-	38+26	LT	520	---
38+52	-	42+20	LT	389	---
42+46	-	48+67	LT	647	---
43+92	-	49+88	RT	694	---
45+90			RT, DRIVEWAY	---	6
46+20			RT, DRIVEWAY	---	6
47+47			RT, DRIVEWAY	---	4
47+77			RT, DRIVEWAY	---	4
49+02	-	51+91	LT	320	---
50+20	-	58+70	RT	943	---
52+27	-	55+35	LT	338	---
55+95	-	58+83	LT	313	---
59+09	-	63+85	LT	507	---
59+10	-	70+59	RT	1,212	---
64+15	-	70+59	LT	672	---
TOTAL				**12,353**	**54**

CONCRETE SIDEWALK

STATION	-	STATION	LOCATION	CAT. CODE 0010 602.0410 5-INCH SF
10+27	-	11+09	LT	410
11+30	-	11+39	LT	40
11+59	-	12+09	LT	250
12+32	-	13+23	LT	450
13+60	-	14+01	LT	220
14+36	-	14+98	LT	310
15+10	-	15+53	LT	210
15+66	-	16+94	LT	640
17+22	-	18+78	LT	780
18+92	-	20+10	LT	590
20+44	-	21+65	LT	600
21+79	-	22+25	LT	230
22+42	-	23+25	LT	420
23+53	-	24+60	LT	530
24+77	-	25+75	LT	490
25+86	-	27+26	LT	700
27+57	-	28+38	LT	410
28+55	-	29+21	LT	340
29+59	-	30+76	LT	550
31+34	-	33+00	LT	870
31+57	-	32+92	RT	730
33+21	-	36+15	RT	1,540
33+28	-	35+03	LT	940
35+13	-	35+70	LT	280
35+80	-	36+47	LT	330
36+39	-	39+29	RT	1,510
36+58	-	38+25	LT	900
38+53	-	40+51	LT	990
39+51	-	42+04	RT	1,260
40+68	-	41+51	LT	410
41+64	-	42+19	LT	270
42+22	-	43+48	RT	730
42+47	-	44+21	LT	980
43+90	-	45+90	RT	1,080
44+30	-	44+58	LT	140
44+76	-	45+31	LT	270
45+45	-	46+05	LT	300
46+20	-	47+47	RT	640
46+28	-	47+15	LT	440
47+34	-	48+66	LT	740
47+77	-	49+87	RT	1,110
49+04	-	49+76	LT	360
50+10	-	51+90	LT	960
50+21	-	51+77	RT	840
51+94	-	52+62	RT	400
52+28	-	55+34	LT	1,680
52+77	-	53+61	RT	420
53+79	-	54+70	RT	450
54+89	-	56+52	RT	930
55+96	-	58+82	LT	1,520

CONCRETE SIDEWALK

STATION	-	STATION	LOCATION	CAT. CODE 0010 602.0410 5-INCH SF
56+67	-	58+68	RT	1,000
59+10	-	59+88	LT	470
59+10	-	61+55	RT	1,340
60+00	-	61+31	LT	660
61+43	-	62+68	LT	660
61+74	-	62+58	RT	420
62+88	-	63+85	LT	550
62+82	-	69+05	RT	3,115
64+17	-	68+63	LT	2,300
68+75	-	70+40	LT	830
69+21	-	69+80	RT	290
69+99	-	70+61	RT	300
TOTAL				**44,125**

CONCRETE PAVEMENT GAPS

LOCATION	STAGE	415.0210 EACH
N 20TH PL	1	1
HUBERT CR	1	1
DRIVEWAY STA 33+10	3B	1
N 14HT ST	3C	1
DRIVEWAY STA 39+40	3B	1
N 13TH ST (N)	3C	1
N 13TH ST (S)	3B	1
DRIVEWAY STA 46+05	3B	1
N 12TH ST (N)	3C	1
N 12TH ST (S)	3B	1
ROSEWOOD CT	3C	1
DRIVEWAY STA 54+75	3B	1
HIGHCLIFF CT	3C	1
N 10TH ST (N)	3C	1
N 10 TH ST (S)	3B	1
DRIVEWAY STA 61+60	3B	1
N 8TH ST (NORTH LEG)	3C	1
TOTAL		**17**

ALL QUANTITIES ARE CATEGORY 0020 EXCEPT AS NOTED

CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA SPECIAL

STATION	LOCATION	CAT. CODE 0010 SPV.0165.01 SF
13+20	LT	8
13+64	LT	8
14+00	LT	8
14+39	LT	8
16+92	LT	8
17+26	LT	8
20+09	LT	8
20+48	LT	8
23+24	LT	8
23+57	LT	8
27+24	LT	8
27+61	LT	8
30+72	LT	8
31+41	LT	8
31+51	LT	8
31+60	RT	8
32+99	LT	8
33+32	LT	8
33+42	LT/RT	16
38+14	LT/RT	16
38+23	LT	8
38+57	LT	8
42+17	LT	8
42+51	LT	8
43+34	LT/RT	16
43+46	RT	8
43+95	RT	8
44+01	LT/RT	16
48+59	LT/RT	16
48+64	LT	8
49+07	LT	8
49+85	RT	8
50+25	RT	8
50+34	LT/RT	16
51+88	LT	8
52+32	LT	8
52+40	LT/RT	16
55+24	LT/RT	16
55+32	LT	8
56+00	LT	8
56+06	LT/RT	16
58+66	RT	8
58+80	LT	8
59+14	LT/RT	16
59+25	LT/RT	16
63+76	LT/RT	16
63+83	LT	8
64+22	LT	8
TOTAL		480

APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE

STRUCTURE NO.	STATION	OFFSET	522.1012 12-INCH EACH	522.1015 15-INCH EACH	633.5200 MARKERS CULVERT END EACH
1	14+05.24	29.05' RT	1	---	1
2	14+56.43	32.36' RT	---	1	1
3	23+64.92	36.80' LT	1	---	1
TOTAL			2	1	3

TEMPORARY SHORING

STATION	OFFSET	SPV.0165.02 SF
14+48	0' - 25'RT	225
TOTAL		225

ALL QUANTITIES ARE CATEGORY 0020 EXCEPT AS NOTED

STORM SEWER PIPE REINFORCED CONCRETE CLASS III

STRUCTURE NO. FROM	TO	608.0312 12-INCH LF	608.0315 15-INCH LF	608.0318 18-INCH LF	608.0321 21-INCH LF	608.0324 24-INCH LF	608.0330 30-INCH LF	608.0336 36-INCH LF	608.0342 42-INCH LF	608.0348 48-INCH LF	610.0114 14X23-INCH LF	610.0138 38X60-INCH LF	INVERT ELEVATION	DISCHARGE ELEVATION	SLOPE
IN 1	MH 7	21	---	---	---	---	---	---	---	---	---	---	56.41	56.20	1.00%
1	IN 2	---	13	---	---	---	---	---	---	---	---	---	EX GROUND	56.41	15.29%
IN 2	MH 7	---	---	---	6	---	---	---	---	---	---	---	55.91	55.78	2.00%
MH 7	EX 36"	---	---	---	---	---	---	8	---	---	---	---	EX 36"	EX 36"	---
MH 6	EX 36"	---	---	---	---	---	---	4	---	---	---	---	EX 36"	EX 36"	---
2	MH 6	21	---	---	---	---	---	---	---	---	---	---	EX GROUND	54.80	8.13%
MH 6	MH 4	---	---	---	---	---	---	---	225	---	---	---	51.06	50.86	0.09%
EX 15"	IN 3	---	4	---	---	---	---	---	---	---	---	---	EX 15"	54.45	---
IN 3	MH 4	---	10	---	---	---	---	---	---	---	---	---	54.40	54.30	1.00%
IN 0	MH 4	20	---	---	---	---	---	---	---	---	---	---	55.36	55.16	1.00%
MH 4	MH 5	---	---	---	---	---	---	---	51	---	---	---	50.86	50.81	0.10%
MH 5	MH 0	---	---	---	---	---	---	---	271	---	---	---	50.81	50.54	0.10%
MH 0	EX 42"	---	---	---	---	---	---	---	3	---	---	---	50.84	EX 42"	---
IN 45	IN 46	7	---	---	---	---	---	---	---	---	---	---	53.20	53.13	1.00%
IN 46	IN 44	---	---	7	---	---	---	---	---	---	---	---	52.63	52.56	1.00%
IN 44	MH 13	---	---	---	33	---	---	---	---	---	---	---	52.31	51.98	1.00%
MH 13	MH 0	---	---	---	---	5	---	---	---	---	---	---	51.73	51.68	1.00%
IN 7	MH 13	20	---	---	---	---	---	---	---	---	---	---	53.52	53.32	1.00%
MH 1	MH 0	---	---	---	---	---	---	---	47	---	---	---	50.59	50.54	0.10%
IN 47	IN 5	7	---	---	---	---	---	---	---	---	---	---	53.21	53.14	1.00%
IN 4	IN 5	7	---	---	---	---	---	---	---	---	---	---	53.21	53.14	1.00%
IN 5	IN 6	---	---	---	34	---	---	---	---	---	---	---	52.39	51.99	1.17%
IN 6	MH 1	---	---	---	7	---	---	---	---	---	---	---	51.99	51.92	1.00%
MH 42	MH 1	---	---	---	---	---	---	---	242	---	---	---	50.83	50.59	0.10%
MH 2	MH 42	---	---	---	---	---	---	---	50	---	---	---	50.89	50.83	0.10%
IN 72	MH 42	8	---	---	---	---	---	---	---	---	---	---	55.50	54.33	14.22%
IN 50	IN 8	7	---	---	---	---	---	---	---	---	---	---	53.85	53.78	1.00%
IN 8	IN 9	---	---	33	---	---	---	---	---	---	---	---	53.28	52.95	1.00%
IN 9	MH 2	---	---	7	---	---	---	---	---	---	---	---	52.95	52.88	1.00%
3	MH 2	8	---	---	---	---	---	---	---	---	---	---	56.90	53.38	45.35%
MH 25	MH 2	---	---	---	---	---	---	352	---	---	---	---	51.72	51.39	0.10%
IN 56	MH 25	7	---	---	---	---	---	---	---	---	---	---	54.92	54.85	1.00%
MH 3	MH 25	---	---	---	---	---	---	167	---	---	---	---	51.90	51.72	0.10%
EX MH	IN 49	78	---	---	---	---	---	---	---	---	---	---	54.57	54.13	0.58%
IN 49	IN 48	7	---	---	---	---	---	---	---	---	---	---	54.13	54.06	1.00%
IN 48	IN 28	---	7	---	---	---	---	---	---	---	---	---	53.81	53.74	1.00%
IN 28	IN 10	---	---	---	---	32	---	---	---	---	---	---	52.99	52.67	1.00%
IN 10	MH 3	---	---	---	---	7	---	---	---	---	---	---	52.67	52.60	1.00%
IN 11	IN 10	7	---	---	---	---	---	---	---	---	---	---	53.40	53.26	1.98%
IN 12	IN 28	7	---	---	---	---	---	---	---	---	---	---	54.56	54.49	1.00%
MH 26	MH 3	---	---	---	---	136	---	---	---	---	---	---	53.04	52.90	0.10%
IN 69	MH 26	67	---	---	---	---	---	---	---	---	---	---	54.17	53.04	1.69%
IN 71	MH 26	30	---	---	---	---	---	---	---	---	---	---	55.00	54.70	1.00%
IN 70	IN 71	45	---	---	---	---	---	---	---	---	---	---	55.45	55.00	1.00%
IN 68	MH 41	---	30	---	---	---	---	---	---	---	---	---	53.77	53.47	1.00%
IN 58	MH 41	---	20	---	---	---	---	---	---	---	---	---	53.68	53.47	1.00%
MH 41	MH 40	---	---	187	---	---	---	---	---	---	---	---	52.99	52.06	0.50%
IN 53	MH 40	13	---	---	---	---	---	---	---	---	---	---	54.91	54.79	1.00%
IN 54	MH 40	29	---	---	---	---	---	---	---	---	---	---	54.91	54.62	1.00%
MH 40	MH 34	---	---	70	---	---	---	---	---	---	---	---	52.06	51.53	0.75%

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ALL QUANTITIES ARE CATEGORY 0020

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STORM SEWER PIPE REINFORCED CONCRETE CLASS III

STRUCTURE NO. FROM	TO	608.0312 12-INCH LF	608.0315 15-INCH LF	608.0318 18-INCH LF	608.0321 21-INCH LF	608.0324 24-INCH LF	608.0330 30-INCH LF	608.0336 36-INCH LF	608.0342 42-INCH LF	608.0348 48-INCH LF	610.0114 14X23-INCH LF	610.0138 38X60-INCH LF	INVERT ELEVATION	DISCHARGE ELEVATION	SLOPE
MH 34	MH 8	---	---	131	---	---	---	---	---	---	---	---	51.53	50.78	0.57%
IN 14	MH 8	---	26	---	---	---	---	---	---	---	---	---	54.39	54.13	1.00%
32+58, 32' RT	IN 14	---	28	---	---	---	---	---	---	---	---	---	54.67	54.39	1.00%
IN 13	MH 8	3	---	---	---	---	---	---	---	---	---	---	54.64	54.61	1.00%
MH 8	MH 9	---	---	241	---	---	---	---	---	---	---	---	50.78	49.33	0.60%
IN 65	IN 66	112	---	---	---	---	---	---	---	---	---	---	53.51	52.70	0.72%
IN 66	IN 15	---	7	---	---	---	---	---	---	---	---	---	52.45	52.38	1.00%
IN 15	MH 9	---	---	25	---	---	---	---	---	---	---	---	52.13	51.88	1.00%
IN 16	MH 9	3	---	---	---	---	---	---	---	---	---	---	52.73	52.70	1.00%
MH 9	MH 27	---	---	---	---	270	---	---	---	---	---	---	48.83	47.53	0.48%
IN 64	IN 18	---	---	---	27	---	---	---	---	---	---	---	49.08	48.81	1.00%
IN 18	MH 27	---	---	---	24	---	---	---	---	---	---	---	48.81	48.57	1.00%
IN 17	MH 27	2	---	---	---	---	---	---	---	---	---	---	49.56	49.54	1.00%
MH 27	MH 11	---	---	---	---	---	124	---	---	---	---	---	47.03	46.78	0.20%
IN 19	IN 20	6	---	---	---	---	---	---	---	---	---	---	48.30	48.24	1.00%
IN 20	MH 11	24	---	---	---	---	---	---	---	---	---	---	48.24	48.00	1.00%
IN 22	MH 11	3	---	---	---	---	---	---	---	---	---	---	48.53	48.50	1.00%
IN 21	IN 22	3	---	---	---	---	---	---	---	---	---	---	48.56	48.53	1.00%
MH 39	EX 18"	---	---	4	---	---	---	---	---	---	---	---	46.39	EX 18"	---
MH 11	MH 38	---	---	---	---	---	40	---	---	---	---	---	46.78	46.70	0.20%
MH 16	MH 38	---	---	29	---	---	---	---	---	---	---	---	49.43	48.85	2.00%
MH 38	MH 12	---	---	---	---	---	218	---	---	---	---	---	46.69	46.25	0.20%
IN 43	IN 23	---	---	---	39	---	---	---	---	---	---	---	49.68	49.29	1.00%
IN 23	MH 12	---	---	---	24	---	---	---	---	---	---	---	49.29	49.05	1.00%
IN 24	MH 12	8	---	---	---	---	---	---	---	---	---	---	49.89	49.81	1.00%
MH 12	MH 23	---	---	---	---	---	---	47	---	---	---	---	45.75	45.65	0.20%
EX INLET	MH 23	31	---	---	---	---	---	---	---	---	---	---	EX INLET	46.5	---
MH 23	MH 24	---	---	---	---	---	---	---	149	---	---	---	45.15	44.85	0.20%
EX INLET	IN 41	27	---	---	---	---	---	---	---	---	---	---	49.50	49.23	1.00%
IN 41	MH 24	---	25	---	---	---	---	---	---	---	---	---	48.98	48.73	1.00%
MH 24	MH 45	---	---	---	---	---	---	---	336	---	---	---	44.84	44.16	0.20%
IN 51	MH 45	3	---	---	---	---	---	---	---	---	---	---	49.80	49.77	1.00%
IN 52	MH 45	25	---	---	---	---	---	---	---	---	---	---	49.79	49.54	1.00%
MH 45	MH 22	---	---	---	---	---	---	---	142	---	---	---	44.16	43.88	0.20%
MH 22	EX 18"	---	---	6	---	---	---	---	---	---	---	---	44.99	EX 18"	0.50%
MH 22	MH 35	---	---	---	---	---	---	---	104	---	---	---	43.87	43.55	0.31%
IN 59	MH 36	23	---	---	---	---	---	---	---	---	---	---	50.25	50.02	1.00%
IN 60	MH 36	14	---	---	---	---	---	---	---	---	---	---	50.67	50.53	1.00%
MH 35	MH 21	---	---	---	---	---	---	---	183	---	---	---	43.54	42.99	0.30%
IN 27	MH 21	23	---	---	---	---	---	---	---	---	---	---	49.67	49.44	1.00%
IN 42	MH 21	26	---	---	---	---	---	---	---	---	---	---	49.03	48.77	1.00%
EX 12"	MH 21	4	---	---	---	---	---	---	---	---	---	---	EX 12"	46.20	0.58%
MH 21	MH 15	---	---	---	---	---	---	---	---	307	---	---	42.49	41.11	0.45%
IN 29	MH 15	---	25	---	---	---	---	---	---	---	---	---	48.33	48.08	1.00%
IN 30	MH 15	4	---	---	---	---	---	---	---	---	---	---	48.33	48.29	1.00%
MH 15	MH 20	---	---	---	---	---	---	---	---	78	---	---	41.11	40.76	0.45%
EX 21"	MH 20	---	---	---	4	---	---	---	---	---	---	---	EX 21"	42.15	6.03%
MH 20	MH 19	---	---	---	---	---	---	---	---	279	---	---	40.75	39.54	0.45%
IN 32	MH 19	6	---	---	---	---	---	---	---	---	---	---	46.97	46.73	3.90%
IN 31	MH 19	37	---	---	---	---	---	---	---	---	---	---	47.02	46.65	1.00%

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ALL QUANTITIES ARE CATEGORY 0020

FILE NAME: l:\work\60164548\000.cadd\civil\030202_mq.dgn
BATCH PRINT SHEET 2 OF 3
PRINTER DRIVER: L:\library\TPN_CADstds\Workspace-Clients\WisDOT\Microstation\Resources\MS_Printing\Printer_Drivers\ET_PDF_11 x 17.plt
PEN TABLE: L:\work\60164548\000_CADD\CIVIL\MS_Printing\Pen_Tables\ET_WisDOT.tbl
PLOT DATE: 2/1/2013
PLOT TIME: 3:35:05 PM
PLOT SCALE: 1:2
WISDOT/CADDS SHEET 43

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STORM SEWER PIPE REINFORCED CONCRETE CLASS III

STRUCTURE NO.		608.0312 12-INCH	608.0315 15-INCH	608.0318 18-INCH	608.0321 21-INCH	608.0324 24-INCH	608.0330 30-INCH	608.0336 36-INCH	608.0342 42-INCH	608.0348 48-INCH	610.0114 14X23-INCH	610.0138 38X60-INCH	INVERT	DISCHARGE	
FROM	TO	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	ELEVATION	ELEVATION	SLOPE
IN 62	MH 37	8	---	---	---	---	---	---	---	---	---	---	47.05	46.97	1.00%
IN 63	MH 37	25	---	---	---	---	---	---	---	---	---	---	46.97	46.72	1.00%
EX 18"	MH 43	---	---	4	---	---	---	---	---	---	---	---	EX 18"	45.81	0.45%
MH 43	MH 37	---	---	8	---	---	---	---	---	---	---	---	45.81	45.77	0.45%
EX 30"	MH 19	---	---	---	---	---	3	---	---	---	---	---	EX 30"	43.15	---
MH 19	MH 17	---	---	---	---	---	---	---	---	221	---	---	39.52	38.41	0.50%
IN 34	MH 17	3	---	---	---	---	---	---	---	---	---	---	45.96	45.93	1.00%
IN 33	MH 17	26	---	---	---	---	---	---	---	---	---	---	45.96	45.70	1.00%
MH 17	MH 18	---	---	---	---	---	---	---	---	287	---	---	38.41	36.97	0.50%
IN 35	IN 36	33	---	---	---	---	---	---	---	---	---	---	42.80	42.64	0.50%
IN 36	IN 25	29	---	---	---	---	---	---	---	---	---	---	42.64	42.49	0.50%
IN 25	MH 18	---	28	---	---	---	---	---	---	---	---	---	42.24	42.10	0.50%
MH 18	MH 32	---	---	---	---	---	---	---	---	---	---	85	36.97	36.12	1.00%
IN 38	IN 37	3	---	---	---	---	---	---	---	---	---	---	38.84	38.83	0.40%
IN 37	IN 39	---	---	---	---	---	---	---	---	---	33	---	38.83	38.70	0.40%
IN 40	IN 39	3	---	---	---	---	---	---	---	---	---	---	38.72	38.70	0.50%
IN 39	MH 31	---	---	---	105	---	---	---	---	---	---	---	38.70	38.28	0.40%
IN 55	MH 31	---	57	---	---	---	---	---	---	---	---	---	38.11	37.53	1.00%
MH 31	MH 33	---	---	---	---	---	169	---	---	---	---	---	37.53	37.00	0.30%
STA 46+50 (Lateral)		---	44	---	---	---	---	---	---	---	---	---	---	CORE HOLE IN 42"	
MH 32	MH 30	---	---	---	---	---	---	---	---	351	---	---	35.59	31.14	1.24%
MH 30	MH 29	---	---	---	---	---	---	---	---	394	---	---	31.14	25.42	1.45%
MH 29	EX 36"	---	---	---	---	---	---	4	---	---	---	---	21.90	EX 36"	---
TOTAL		933	324	752	303	450	554	582	1,803	1,917	33	85			

STORM SEWER PIPE PVC

STATION	CONNECT TO	SPV.0090.03 4-INCH LF	SPV.0090.04 6-INCH LF	SPV.0090.07 8-INCH LF	SPV.0090.08 18-INCH LF	SPV.0090.09 21-INCH LF	SPV.0090.10 30-INCH LF	REMARKS	INVERT ELEVATION	DISCHARGE ELEVATION	SLOPE
11+00, LT	SS	47	---	---	---	---	---	---	---	---	---
12+60, LT	SS	46	---	---	---	---	---	---	---	---	---
18+45, LT	SS	10	---	---	---	---	---	---	---	---	---
19+67, LT	SS	11	---	---	---	---	---	---	---	---	---
21+42, LT	SS	12	---	---	---	---	---	---	---	---	---
22+07, LT	SS	17	---	---	---	---	---	WITH CLEANOUT	---	---	---
23+30, RT	IN 8	45	---	---	---	---	---	---	---	---	---
24+22, LT	SS	12	---	---	---	---	---	---	---	---	---
25+02, LT	SS	12	---	---	---	---	---	---	---	---	---
37+75, RT	IN 64	4	---	---	---	---	---	---	---	---	---
38+00, LT	IN 17	14	---	---	---	---	---	---	---	---	---
42+28, RT	IN 23	50	---	---	---	---	---	WITH CLEANOUT	---	---	---
42+97, LT	SS	35	---	---	---	---	---	WITH CLEANOUT	---	---	---
43+69, LT	SS	13	---	---	---	---	---	---	---	---	---
45+00, LT	SS	22	---	---	---	---	---	---	---	---	---

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STORM SEWER PIPE PVC

STATION	CONNECT TO	SPV.0090.03 4-INCH LF	SPV.0090.04 6-INCH LF	SPV.0090.07 8-INCH LF	SPV.0090.08 18-INCH LF	SPV.0090.09 21-INCH LF	SPV.0090.10 30-INCH LF	REMARKS	INVERT ELEVATION	DISCHARGE ELEVATION	SLOPE
45+99, LT	SS	22	---	---	---	---	---	---	---	---	---
46+89, LT	SS	31	---	---	---	---	---		---	---	---
49+65, LT	SS	30	---	---	---	---	---	---	---	---	---
53+03, RT	SS	44	---	---	---	---	---	---	---	---	---
53+97, RT	SS	44	---	---	---	---	---	---	---	---	---
54+63, RT	SS	---	36	---	---	---	---	---	---	---	---
57+63, RT	SS	43	---	---	---	---	---	---	---	---	---
62+44, LT	SS	27	---	---	---	---	---	---	---	---	---
63+26, LT	SS	26	---	---	---	---	---	---	---	---	---
12'Q'+31, LT	SS	20	---	---	---	---	---	---	---	---	---
70+29, RT	IN 38	---	---	319	---	---	---	---	---	---	---
69+40, RT	8" SS	5	---	---	---	---	---	---	---	---	---
70+29, RT	8" SS	5	---	---	---	---	---	---	42.03	38.84	1.00%
MH 36	MH 35	---	---	---	---	46	---	---	47.88	47.72	0.34%
MH 37	MH 19	---	---	---	44	---	---	---	45.77	45.58	0.45%
MH 33	MH 32	---	---	---	---	---	37	---	37.00	36.89	0.30%
TOTAL		**647**	**36**	**319**	**44**	**46**	**37**				

CONCRETE COLLARS FOR PIPE

STATION	OFFSET	520.8000 EACH	REMARKS
13+95	7' RT	2	MH 7
14+56	6.5' RT	1	MH 6
21+13	28.5' LT	1	MH 0
39+26	24' LT	1	MH 39
48+98	11' LT	1	MH 22
51+97	11' LT	1	MH 21
55+94	11' LT	1	MH 20
58+73	27' RT	1	MH 37
58+73	11' LT	1	MH 19
---	---	1	MH 29
TOTAL		**11**	

MANHOLES, INLETS, AND COVERS

STRUCTURE NO.	STATION	OFFSET	SPV.0060.10 MANHOLE COVERS TYPE J SPECIAL EACH	611.0545 MANHOLE COVERS TYPE L EACH	SPV.0060.11 INLET COVERS TYPE H SPECIAL EACH	611.0642 INLET COVERS TYPE MS EACH	SPV.0060.12 MANHOLES 2-FT DIAMETER, SP EACH	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	611.2008 MANHOLES 8-FT DIAMETER EACH	611.2504 MANHOLES VARIABLE TEE 4-FT DIAMETER EACH	611.1230 CATCH BASINS 2X3-FT EACH	611.3901 INLETS MEDIAN 1 GRATE EACH	611.3902 INLETS MEDIAN 2 GRATE EACH	RIM OR FLANGE LINE ELEVATION	INVERT ELEVATION	DEPTH	REMARKS
MH 7	13+95.00	7.00' RT	1	---	---	---	---	---	---	1	---	---	---	---	---	---	59.94	51.95	6.91	
IN 2	13+95.00	17.50' RT	---	---	1	---	---	---	---	---	---	---	---	1	---	---	59.73	56.41	2.49	
IN 1	13+95.00	17.50' LT	---	---	1	---	---	---	---	---	---	---	---	1	---	---	59.74	56.41	2.50	
MH 6	14+56.30	6.53' RT	1	---	---	---	---	---	---	1	---	---	---	---	---	---	59.84	51.06	7.70	
IN 3	16+87.72	17.50' RT	---	---	1	---	---	---	---	---	---	---	---	1	---	---	58.42	54.40	3.19	
MH 4	16+87.53	3.45' RT	1	---	---	---	---	---	---	1	---	---	---	---	---	---	58.76	50.86	6.82	
IN 0	16+75.79	17.50' LT	---	---	1	---	---	---	---	---	---	---	---	1	---	---	58.49	55.36	2.30	
MH 5	17+35.00	28.50' LT	1	---	---	---	---	---	---	1	---	---	---	---	---	---	58.90	50.81	7.01	
MH 0	21+12.64	28.50' LT	1	---	---	---	---	---	---	---	---	1	---	---	---	---	56.94	50.54	5.32	
IN 44	20+27.00	17.50' RT	---	---	1	---	---	---	---	---	---	---	---	1	---	---	56.70	52.31	3.56	
IN 46	20+37.00	17.50' RT	---	---	1	---	---	---	---	---	---	---	---	1	---	---	56.67	52.63	3.21	
IN 45	20+47.00	17.50' RT	---	---	1	---	---	---	---	---	---	---	---	1	---	---	56.65	53.20	2.62	
IN 4	20+67.00	17.50' RT	---	---	1	---	---	---	---	---	---	---	---	1	---	---	56.65	53.21	2.61	
MH 1	20+67.00	28.50' LT	1	---	---	---	---	---	---	1	---	---	---	---	---	---	57.37	50.59	5.70	
IN 6	20+67.00	17.50' LT	---	---	1	---	---	---	---	---	---	---	---	1	---	---	56.65	51.99	3.83	
IN 5	20+77.00	17.50' RT	---	---	1	---	---	---	---	---	---	---	---	1	---	---	56.66	52.39	3.44	
IN 7	19+92.06	17.50' LT	---	---	1	---	---	---	---	---	---	---	---	1	---	---	56.87	53.52	2.52	
MH 13	20+16.07	17.50' LT	1	---	---	---	---	---	1	---	---	---	---	---	---	---	56.70	51.68	3.94	
IN 47	20+87.00	17.50' RT	---	---	1	---	---	---	---	---	---	---	---	1	---	---	56.67	53.21	2.63	
MH 42	23+15.00	28.50' LT	1	---	---	---	---	---	---	1	---	---	---	---	---	---	58.25	50.84	6.33	
IN 72	23+21.33	39.87' LT	---	---	---	1	---	---	---	---	---	---	---	---	1	---	57.70	55.50	1.70	
IN 9	23+71.89	17.50' LT	---	---	1	---	---	---	---	---	---	---	---	1	---	---	57.76	52.95	3.98	
IN 8	23+71.90	17.50' RT	---	---	1	---	---	---	---	---	---	---	---	1	---	---	57.76	53.28	3.65	
MH 2	23+71.91	28.50' LT	1	---	---	---	---	---	---	1	---	---	---	---	---	---	58.48	50.89	6.51	

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MANHOLES, INLETS, AND COVERS

STRUCTURE NO.	STATION	OFFSET	SPV.0060.10 MANHOLE COVERS TYPE J SPECIAL EACH	611.0545 MANHOLE COVERS TYPE L EACH	SPV.0060.11 INLET COVERS TYPE H SPECIAL EACH	611.0642 INLET COVERS TYPE MS EACH	SPV.0060.12 MANHOLES 2-FT DIAMETER, SP EACH	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	611.2008 MANHOLES 8-FT DIAMETER EACH	611.2504 MANHOLES VARIABLE TEE 4-FT DIAMETER EACH	611.1230 CATCH BASINS 2X3-FT EACH	611.3901 INLETS MEDIAN 1 GRATE EACH	611.3902 INLETS MEDIAN 2 GRATE EACH	RIM OR FLANGE LINE ELEVATION	INVERT ELEVATION	DEPTH	REMARKS
IN 50	23+81.90	17.50' RT	---	---	1	---	---	---	---	---	---	---	---	1	---	---	57.80	53.85	3.12	DRIVEWAY GRATE
MH 25	27+07.08	28.50' LT	1	---	---	---	---	---	---	1	---	---	---	---	---	---	58.92	51.72	6.12	
IN 56	27+07.08	17.50' LT	---	---	1	---	---	---	---	---	---	---	---	1	---	---	58.27	54.92	2.52	
IN 49	28+80.00	17.50' RT	---	---	1	---	---	---	---	---	---	---	---	1	---	---	57.61	54.13	2.65	DRIVEWAY GRATE
IN 48	28+90.00	17.50' RT	---	---	1	---	---	---	---	---	---	---	---	1	---	---	57.57	53.81	2.93	DRIVEWAY GRATE
IN 28	29+00.00	17.50' RT	---	---	1	---	---	---	---	---	---	---	---	1	---	---	57.53	52.99	3.71	
IN 10	29+00.00	17.50' LT	---	---	1	---	---	---	---	---	---	---	---	1	---	---	57.53	52.67	4.03	
MH 3	29+00.00	28.50' LT	1	---	---	---	---	---	---	1	---	---	---	---	---	---	58.24	51.90	5.26	
IN 11	29+10.00	17.50' LT	---	---	1	---	---	---	---	---	---	---	---	1	---	---	57.57	53.40	3.34	
IN 12	29+10.00	17.50' RT	---	---	1	---	---	---	---	---	---	---	---	1	---	---	57.57	54.56	2.18	
IN 69	30+30.00	26.81' RT	---	---	1	---	---	---	---	---	---	---	---	1	---	---	57.50	54.17	2.50	
MH 26	30+46.15	41.36' LT	1	---	---	---	---	1	---	---	---	---	---	---	---	---	59.06	53.04	4.94	
MH 34	31+48.85	11.00' LT	1	---	---	---	---	1	---	---	---	---	---	---	---	---	58.46	51.53	5.85	
MH 8	32+81.93	11.00' LT	1	---	---	---	---	1	---	---	---	---	---	---	---	---	57.54	50.78	5.68	
IN 13	32+81.93	17.95' LT	---	---	1	---	---	---	---	---	---	---	---	1	---	---	57.47	54.64	2.00	
IN 14	32+81.93	17.50' RT	---	---	1	---	---	---	---	---	---	---	---	1	---	---	57.47	54.64	2.00	
IN 65	34+00.00	17.50' RT	---	---	1	---	---	---	---	---	---	---	---	1	---	---	56.84	53.51	2.50	
IN 66	35+15.00	17.50' RT	---	---	1	---	---	---	---	---	---	---	---	1	---	---	56.21	52.45	2.93	
IN 15	35+25.00	17.50' RT	---	---	1	---	---	---	---	---	---	---	---	1	---	---	56.06	52.13	3.10	
IN 16	35+25.00	17.50' LT	---	---	1	---	---	---	---	---	---	---	---	1	---	---	56.06	52.73	2.50	
MH 9	35+25.00	11.00' LT	1	---	---	---	---	1	---	---	---	---	---	---	---	---	56.20	48.83	6.29	
IN 64	37+75.00	34.00' RT	---	---	---	1	---	---	---	---	---	---	---	---	1	---	53.31	49.08	3.73	
IN 18	38+00.00	17.50' RT	---	---	1	---	---	1	---	---	---	---	---	---	---	---	52.93	48.81	3.29	
IN 17	38+00.00	17.50' LT	---	---	1	---	---	---	---	---	---	---	---	1	---	---	52.93	49.56	2.54	
MH 27	38+00.00	11.00' LT	1	---	---	---	---	---	---	1	---	---	---	---	---	---	53.03	47.03	4.92	
IN 19	39+21.25	17.50' RT	---	---	1	---	---	---	---	---	---	---	---	1	---	---	51.95	48.30	2.82	
IN 21	39+24.25	17.50' LT	---	---	1	---	---	---	---	---	---	---	---	1	---	---	51.95	48.56	2.56	
MH 39	39+26.13	24.00' LT	1	---	---	---	---	1	---	---	---	---	---	---	---	---	52.55	46.39	5.08	
IN 22	39+30.25	17.50' LT	---	---	1	---	---	---	---	---	---	---	---	1	---	---	51.95	48.53	2.59	
IN 20	39+30.25	17.50' RT	---	---	1	---	---	---	---	---	---	---	---	1	---	---	51.95	48.24	2.88	DRIVEWAY GRATE
MH 11	39+30.25	11.00' LT	1	---	---	---	---	---	---	1	---	---	---	---	---	---	52.05	46.78	4.19	
MH 38	39+76.39	11.00' LT	1	---	---	---	---	---	---	1	---	---	---	---	---	---	52.19	46.69	4.42	
MH 16	39+76.39	23.00' RT	---	1	---	---	---	1	---	---	---	---	---	---	---	---	52.63	49.43	2.53	
IN 43	41+60.00	33.92' RT	---	---	---	2	---	---	---	---	---	---	---	---	---	1	53.51	49.68	3.33	
IN 23	42+00.00	17.50' RT	---	---	1	---	---	1	---	---	---	---	---	---	---	---	52.98	49.29	2.86	
IN 24	42+63.77	17.50' LT	---	---	1	---	---	---	---	---	---	---	---	1	---	---	53.24	49.89	2.52	
MH 12	42+00.00	11.00' LT	1	---	---	---	---	---	---	1	---	---	---	---	---	---	53.08	45.75	6.25	
MH 23	42+53.00	11.00' LT	1	---	---	---	---	---	---	1	---	---	---	---	---	---	53.29	45.15	7.06	
IN 41	44+08.32	17.50' RT	---	---	1	---	---	---	---	---	---	---	---	1	---	---	53.81	48.98	4.00	
MH 24	44+08.41	11.00' LT	1	---	---	---	---	---	---	1	---	---	---	---	---	---	53.91	44.84	7.99	
MH 45	47+50.00	11.00' LT	1	---	---	---	---	---	---	1	---	---	---	---	---	---	53.24	44.16	8.00	
IN 51	47+50.00	17.50' LT	---	---	1	---	---	---	---	---	---	---	---	1	---	---	53.14	49.80	2.51	
IN 52	47+50.00	17.50' RT	---	---	1	---	---	---	---	---	---	---	---	1	---	---	53.15	49.79	2.53	DRIVEWAY GRATE
MH 22	48+97.56	11.00' LT	1	---	---	---	---	---	---	1	---	---	---	---	---	---	53.83	43.87	8.88	
IN 59	49+82.38	40.20' RT	---	---	---	1	---	---	---	---	---	---	---	---	1	---	54.00	50.25	3.25	

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MANHOLES, INLETS, AND COVERS

STRUCTURE NO.	STATION	OFFSET	SPV.0060.10 MANHOLE COVERS TYPE J SPECIAL EACH	611.0545 MANHOLE COVERS TYPE L EACH	SPV.0060.11 INLET COVERS TYPE H SPECIAL EACH	611.0642 INLET COVERS TYPE MS EACH	SPV.0060.12 MANHOLES 2-FT DIAMETER, SP EACH	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	611.2008 MANHOLES 8-FT DIAMETER EACH	611.2504 MANHOLES VARIABLE TEE 4-FT DIAMETER EACH	611.1230 CATCH BASINS 2X3-FT EACH	611.3901 INLETS MEDIAN 1 GRATE EACH	611.3902 INLETS MEDIAN 2 GRATE EACH	RIM OR FLANGE LINE ELEVATION	INVERT ELEVATION	DEPTH	REMARKS
MH 36	50+09.04	39.88' RT	---	1	---	---	---	1	---	---	---	---	---	---	---	---	54.14	47.88	5.59	
MH 35	50+07.41	11.00' LT	1	---	---	---	---	---	---	1	---	---	---	---	---	---	53.81	43.54	9.19	
IN 60	50+26.76	39.58' RT	---	---	---	1	---	---	---	---	---	---	---	---	1	---	53.90	50.67	2.73	
IN 27	51+70.00	17.50' LT	---	---	1	---	---	---	---	---	---	---	---	1	---	---	53.06	49.67	2.56	
MH 21	51+97.48	11.00' LT	1	---	---	---	---	---	---	---	---	1	---	---	---	---	53.05	42.49	9.48	
IN 42	52+10.00	17.50' RT	---	---	1	---	---	---	---	---	---	---	---	1	---	---	52.90	49.03	3.04	
IN 30	55+10.00	17.50' LT	---	---	1	---	---	---	---	---	---	---	---	1	---	---	51.70	48.33	2.54	
MH 15	55+10.00	11.00' LT	1	---	---	---	---	---	---	---	---	---	1	---	---	---	51.80	41.11	9.61	
IN 29	55+10.00	17.50' RT	---	---	1	---	---	---	---	---	---	---	---	1	---	---	51.70	48.33	2.54	
MH 20	55+93.75	11.00' LT	1	---	---	---	---	---	---	---	1	---	---	---	---	---	51.47	40.75	9.64	
IN 31	58+42.00	17.50' RT	---	---	1	---	---	---	---	---	---	---	---	1	---	---	50.37	47.02	2.52	
IN 32	58+63.36	17.50' LT	---	---	1	---	---	---	---	---	---	---	---	1	---	---	50.29	46.97	2.49	
IN 62	58+69.36	38.31' RT	---	---	1	---	---	---	---	---	---	---	---	1	---	---	50.40	47.05	2.52	
MH 19	58+73.05	11.00' LT	1	---	---	---	---	---	---	---	---	1	---	---	---	---	50.34	39.52	9.74	
MH 43	58+74.05	48.55' RT	1	---	---	---	---	1	---	---	---	---	---	---	---	---	50.55	45.81	3.66	
MH 37	58+79.88	38.06' RT	1	---	---	---	---	1	---	---	---	---	---	---	---	---	50.56	45.77	3.71	
IN 63	59+08.34	37.69' RT	---	---	1	---	---	---	---	---	---	---	---	1	---	---	50.32	46.97	2.52	
IN 33	61+00.00	17.50' RT	---	---	1	---	---	---	---	---	---	---	---	1	---	---	49.34	45.96	2.55	
IN 34	61+00.00	17.50' LT	---	---	1	---	---	---	---	---	---	---	---	1	---	---	49.34	45.96	2.55	
MH 17	61+00.00	11.00' LT	1	---	---	---	---	---	---	---	---	---	1	---	---	---	49.44	38.41	9.95	
IN 35	63+65.60	17.50' RT	---	---	1	---	---	---	---	---	---	---	---	1	---	---	46.08	42.80	2.45	
IN 36	63+65.60	17.50' LT	---	---	1	---	---	---	---	---	---	---	---	1	---	---	46.03	42.47	2.73	
IN 25	63+78.66	45.34' LT	---	---	---	1	---	---	---	---	---	---	---	---	1	---	45.71	41.93	3.28	
MH 18	63+65.64	73.58' LT	1	---	---	---	---	---	---	---	---	1	---	---	---	---	49.28	36.97	11.23	
MH 31	65+91.98	23.03' LT	1	---	---	---	---	---	---	1	---	---	---	---	---	---	43.01	37.53	4.40	
IN 55	66+00.00	38.00' RT	---	---	---	1	---	---	---	---	---	---	---	---	1	---	41.30	38.11	2.69	
IN 37	66+98.00	17.50' RT	---	---	1	---	---	---	---	---	---	---	---	1	---	---	41.66	38.83	2.00	
IN 39	66+98.00	17.50' LT	---	---	1	---	---	1	---	---	---	---	---	---	---	---	41.65	38.70	2.12	
IN 38	67+04.00	17.50' RT	---	---	1	---	---	---	---	---	---	---	---	1	---	---	41.66	38.84	1.99	
IN 40	67+04.00	17.50' LT	---	---	1	---	---	---	---	---	---	---	---	1	---	---	41.66	38.72	2.11	
IN 68	7'LS'+44.00	24.74' LT	---	---	---	1	---	---	---	---	---	---	---	---	1	---	57.85	53.77	3.58	
MH 41	7'LS'+44.00	8.00' RT	1	---	---	---	---	1	---	---	---	---	---	---	---	---	59.98	52.99	5.91	
IN 58	7'LS'+44.00	31.00' RT	---	---	---	1	---	---	---	---	---	---	---	---	1	---	56.39	53.68	2.21	
IN 54	9'LS'+33.38	23.50' LT	---	---	1	---	---	---	---	---	---	---	---	1	---	---	58.24	54.91	2.50	
MH 40	9'LS'+33.38	8.00' RT	1	---	---	---	---	1	---	---	---	---	---	---	---	---	58.52	52.06	5.38	
IN 53	9'LS'+33.38	23.50' RT	---	---	1	---	---	---	---	---	---	---	---	1	---	---	58.24	54.91	2.50	
IN 71	10'LS'+70.28	23.50' LT	---	---	1	---	---	---	---	---	---	---	---	1	---	---	58.77	55.00	2.94	
IN 70	10'LS'+69.71	23.50' RT	---	---	1	---	---	---	---	---	---	---	---	1	---	---	58.78	55.45	2.50	
MH 33	10'Q'+54.56	35.00' RT	1	---	---	---	---	---	---	1	---	---	---	---	---	---	47.60	37.00	9.52	
MH 32	10'Q'+61.07	8.42' LT	1	---	---	---	---	---	---	---	---	1	---	---	---	---	46.59	35.59	9.92	
MH 30	---	---	1	---	---	---	---	---	---	---	1	---	---	---	---	---	37.49	31.14	5.27	
MH 29	---	---	1	---	---	---	---	---	---	---	1	---	---	---	---	---	37.61	21.90	14.63	
MH 44	70+29	36.00' RT	1	---	---	---	1	---	---	---	---	---	---	---	---	---	45.05	42.03	1.94	
TOTAL			**41**	**2**	**60**	**10**	**1**	**14**	**1**	**20**	**3**	**5**	**2**	**57**	**8**	**1**				

DEPTH OF STRUCTURE IS GUTTER FLANGE OR RIM ELEVATION MINUS THE DEPTH OF FRAME AND RINGS MINUS THE INVERT ELEVATION.
DEPTH OF FRAME AND RINGS FOR:

TYPE J = 1.08 FT (INCLUDES 0.33 FT FOR RINGS)
TYPE L = 0.67 FT (INCLUDES 0.33 FT FOR RINGS)
TYPE MS = 0.5 FT (INCLUDES 0.33 FT FOR RINGS)
TYPE H = 0.83 FT (INCLUDES 0.33 FT FOR RINGS)

ALL QUANTITIES ARE CATEGORY 0020

ADJUSTING MANHOLES, INLETS, AND VALVE BOXES

STATION	OFFSET	611.0420 RECONSRTUCTING MANHOLES EACH	611.8110 ADJUSTING MANHOLE COVERS EACH	611.8115 ADJUSTING INLET COVERS EACH	SPV.0060.02 ADJUSTING WATER VALVE BOXES EACH	SPV.0060.03 ADJUSTING CURB STOPS EACH	REMARKS	ELEVATION DIFFERENCE
11+86	1' RT	1	---	---	---	---	SANITARY	1.15
13+45	14' RT	---	---	---	1	---	WATER	0.35
13+60	1' LT	---	1	---	---	---	SANITARY	---
15+35	2' LT	---	1	---	---	---	SANITARY	0.87
16+92	11' RT	---	---	---	1	---	WATER	1.92
17+10	5' LT	1	---	---	---	---	SANITARY	2.18
18+77	6' LT	1	---	---	---	---	SANITARY	2.35
20+28	7' LT	1	---	---	---	---	SANITARY	2.53
20+39	40' LT	---	---	---	1	---	WATER	2.08
21+47	8' RT	---	---	---	1	---	WATER	1.90
21+90	8' LT	1	---	---	---	---	SANITARY	2.12
23+40	9' LT	1	---	---	---	---	SANITARY	2.24
23+61	4' RT	---	---	---	1	---	WATER	1.42
24+93	6' RT	---	---	---	1	---	WATER	1.75
25+51	7' LT	1	---	---	---	---	SANITARY	1.88
27+53	5' LT	1	---	---	---	---	SANITARY	1.64
27+62	7' RT	---	---	---	1	---	WATER	1.95
29+09	11' LT	1	---	---	---	---	SANITARY	2.10
31+86	10' RT	---	---	---	1	---	WATER	0.89
32+58	0' RT	1	---	---	---	---	SANITARY	1.37
35+36	33' LT	---	---	---	---	1	WATER	---
35+45	0' RT	1	---	---	---	---	SANITARY	1.2
36+29	12' RT	---	---	---	1	---	WATER	1.46
38+39	1' RT	---	1	---	---	---	SANITARY	---
40+34	2' LT	---	1	---	---	---	SANITARY	---
42+24	23' LT	---	---	---	1	---	WATER	1.37
42+34	3' LT	---	1	---	---	---	SANITARY	---
42+47	8' RT	---	---	---	1	---	WATER	1.13
44+55	3' LT	---	1	---	---	---	SANITARY	---
46+70	2' LT	---	1	---	---	---	SANITARY	---
47+26	10' RT	---	---	---	1	---	WATER	1.59
48+71	5' RT	---	---	---	1	---	WATER	1.56
48+85	1' LT	---	1	---	---	---	SANITARY	---
49+91	12' RT	---	---	---	1	---	WATER	1.13
50+01	0' LT	1	---	---	---	---	SANITARY	1.08
52+09	6' RT	---	---	---	1	---	WATER	1.56
52+23	0' RT	1	---	---	---	---	SANITARY	2.00
54+44	1' RT	1	---	---	---	---	SANITARY	2.62
55+55	6' RT	---	---	---	1	---	WATER	2.97
55+66	0' LT	1	---	---	---	---	SANITARY	2.96
56+67	0' LT	1	---	---	---	---	SANITARY	2.64
58+89	1' LT	1	---	---	---	---	SANITARY	3.38
58+99	19' RT	---	---	---	1	---	WATER	2.18
59+15	9' RT	---	---	---	1	---	WATER	3.21
59+31	8' RT	---	---	---	1	---	WATER	3.08

ADJUSTING MANHOLES, INLETS, AND VALVE BOXES

STATION	OFFSET	611.0420 RECONSRTUCTING MANHOLES EACH	611.8110 ADJUSTING MANHOLE COVERS EACH	611.8115 ADJUSTING INLET COVERS EACH	SPV.0060.02 ADJUSTING WATER VALVE BOXES EACH	SPV.0060.03 ADJUSTING CURB STOPS EACH	REMARKS	ELEVATION DIFFERENCE
60+77	0' RT	1	---	---	---	---	SANITARY	2.77
62+59	15' LT	1	---	---	---	---	SANITARY	3.01
65+49	23' LT	---	1	---	---	---	SANITARY	0.14
67+52	2' LT	---	1	---	---	---	SANITARY	-0.10
69+51	1' RT	---	1	---	---	---	SANITARY	-0.53
70+36	8' RT	---	---	---	1	---	WATER	-0.09
70+51	1' RT	---	1	---	---	---	SANITARY	0.05
7'LS'+51	22' RT	---	1	---	---	---	SANITARY	0.32
9'LS'+46	22' RT	---	1	---	---	---	SANITARY	0.81
10'LS'+03	16' LT	---	---	---	1	---	WATER	0.74
10'LS'+05	6' RT	---	---	---	1	---	WATER	0.99
10'LS'+22	20' LT	---	1	---	---	---	SANITARY	0.94
10'LS'+26	5' RT	---	---	---	1	---	WATER	1.25
11'LS'+17	6' LT	---	1	---	---	---	SANITARY	0.25
9'J'+56	20' LT	---	---	1	---	---	STORM	-0.24
9'J'+61	20' RT	---	---	1	---	---	STORM	-0.05
10'E'+35	18' LT	---	---	1	---	---	STORM	-0.10
10'E'+37	18' RT	---	---	1	---	---	STORM	-0.24
11'N'+23	0' LT	---	1	---	---	---	SANITARY	0.25
10'P'+71	17' RT	---	---	---	1	---	WATER	1.19
10'P'+74	21' RT	---	---	---	1	---	WATER	---
10'P'+77	16' RT	---	---	---	1	---	WATER	---
10'Q'+27	10' RT	1	---	---	---	---	SANITARY	1.63
TOTAL		**20**	**17**	**4**	**26**	**1**		

ALL QUANTITIES ARE CATEGORY 0020

WATER MAIN INSULATION

STATION	-	STATION	LOCATION	612.0902.S.01 INSULATION BOARD POLYSTYRENE 2-INCH SY	612.0902.S.02 INSULATION BOARD POLYSTYRENE 4-INCH SY	209.0100 BACKFILL GRANULAR CY
14+55		14+59		2	---	2
15+25		16+85		71	---	71
16+85		18+85		---	89	89
18+40			SERVICE LATERAL	---	17	17
18+85		19+80		45	---	45
36+15		36+85		31	---	31
36+25			SERVICE LATERAL	11	---	11
36+85		37+65		---	36	36
37+65			SERVICE LATERAL	---	15	15
38+70		40+25		69	---	69
39+60			SERVICE LATERAL	5	---	5
41+98		43+85		83	---	83
10'G'+65			SERVICE LATERAL	8	---	8
42+35			SERVICE LATERAL	4	---	4
43+55				21	---	21
44+00			SERVICE LATERAL	17	---	17
44+60			SERVICE LATERAL	17	---	17
45+90			SERVICE LATERAL	17	---	17
46+80			SERVICE LATERAL	17	---	17
47+25			SERVICE LATERAL	9	---	9
52+25			SERVICE LATERAL	10	---	10
53+85			SERVICE LATERAL	10	---	10
54+40			SERVICE LATERAL	10	---	10
55+70			SERVICE LATERAL	10	---	10
58+73		58'Q'+77		2	---	2
62+25		62+70		21	---	21
62+70		63+15		---	21	21
62+90			SERVICE LATERAL	---	9	9
63+15		63+35		11	---	11
10+70				20	---	20
66+05		67+00		---	42	42
67+00		67+50		22	---	22
69+40			SERVICE LATERAL	13	---	13
69+40			SERVICE LATERAL	3	---	3
TOTAL				**560**	**229**	**789**

WATER

STATION	-	STATION	LOCATION	624.0100 MGAL
10+27	-	11+09	LT, SIDEWALK	0.13
10+98	-	14+06	EISNER AVE	3.96
11+09	-	11+69	LT, DRIVEWAY	0.09
11+20			LT, DRIVEWAY	0.09
11+30	-	11+39	LT, SIDEWALK	0.02
11+49			LT, DRIVEWAY	0.09
11+59	-	12+09	LT, SIDEWALK	0.08
12+20			LT, DRIVEWAY	0.15
12+32	-	13+23	LT, SIDEWALK	0.14
13+60	-	14+01	LT, SIDEWALK	0.07
14+01	-	14+16	LT, SIDEWALK	0.03
14+06	-	14+22	EISNER AVE	0.22
14+23	-	14+36	LT, SIDEWALK	0.04
14+33	-	14+49	EISNER AVE	0.22
14+36	-	14+98	LT, SIDEWALK	0.10
14+49	-	30+89	EISNER AVE	21.51
15+04			LT, DRIVEWAY	0.05
15+10	-	15+53	LT, SIDEWALK	0.07
15+59			LT, DRIVEWAY	0.09
15+66	-	16+94	LT, SIDEWALK	0.20
16+25	-	16+40	RT, DRIVEWAY	0.07
16+32			RT, DRIVEWAY	0.05
17+22	-	18+78	LT, SIDEWALK	0.25
18+78	-	18+92	LT, DRIVEWAY	0.09
18+85			LT, DRIVEWAY	0.07
18+92	-	20+10	LT, SIDEWALK	0.19
19+44	-	19+88	RT, DRIVEWAY	0.08
19+66			RT, DRIVEWAY	0.18
20+44	-	21+65	LT, SIDEWALK	0.19
21+72			LT, DRIVEWAY	0.15
21+57	-	21+93	RT, DRIVEWAY	0.08
21+75			RT, DRIVEWAY	0.15
21+79	-	22+25	LT, SIDEWALK	0.08
22+33			LT, DRIVEWAY	0.21
22+42	-	23+25	LT, SIDEWALK	0.13
23+53	-	24+60	LT, SIDEWALK	0.17
23+80	-	24+33	RT, DRIVEWAY	0.09
24+06			RT, DRIVEWAY	0.22
24+69			LT, DRIVEWAY	0.22
24+77	-	25+75	LT, SIDEWALK	0.16
25+75	-	25+86	LT, DRIVEWAY	0.01
25+81			LT, DRIVEWAY	0.05
25+86	-	27+26	LT, SIDEWALK	0.22
26+48	-	26+70	RT, DRIVEWAY	0.03
26+59			RT, DRIVEWAY	0.10
27+57	-	28+38	LT, SIDEWALK	0.13
28+38	-	28+54	LT, DRIVEWAY	0.08
28+46			LT, DRIVEWAY	0.08
28+55	-	29+21	LT, SIDEWALK	0.11
28+72	-	28+94	RT, DRIVEWAY	0.06
28+83			RT, DRIVEWAY	0.10
29+21	-	29+59	LT, DRIVEWAY	0.18
29+40			LT, DRIVEWAY	0.34
29+59	-	30+76	LT, SIDEWALK	0.18
31+34	-	33+00	LT, SIDEWALK	0.28
31+44	-	70+59	EISNER AVE/N 8TH ST	51.10
31+57	-	32+92	RT, SIDEWALK	0.21

WATER

STATION	-	STATION	LOCATION	624.0100 MGAL
32+84	-	33+26	RT, DRIVEWAY	0.10
33+07			RT, DRIVEWAY	0.12
33+21	-	36+15	RT, SIDEWALK	0.48
33+28	-	35+03	LT, SIDEWALK	0.30
35+03	-	35+13	LT, DRIVEWAY	0.03
35+08			LT, DRIVEWAY	0.05
35+13	-	35+70	LT, SIDEWALK	0.09
35+70	-	35+80	LT, DRIVEWAY	0.05
35+75			LT, DRIVEWAY	0.05
35+80	-	36+47	LT, SIDEWALK	0.11
36+15	-	36+39	RT, DRIVEWAY	0.06
36+27			RT, DRIVEWAY	0.10
36+39	-	39+29	RT, SIDEWALK	0.47
36+47	-	36+58	LT, DRIVEWAY	0.05
36+53			LT, DRIVEWAY	0.05
36+58	-	38+25	LT, SIDEWALK	0.28
38+53	-	40+51	LT, SIDEWALK	0.31
39+28	-	39+51	RT, DRIVEWAY	0.08
39+40			RT, DRIVEWAY	0.10
39+51	-	42+04	RT, SIDEWALK	0.40
40+60			LT, DRIVEWAY	0.11
40+68	-	41+51	LT, SIDEWALK	0.13
41+51	-	41+64	LT, DRIVEWAY	0.03
41+58			LT, DRIVEWAY	0.06
41+64	-	42+19	LT, SIDEWALK	0.09
42+13			RT, DRIVEWAY	0.29
42+22	-	43+48	RT, SIDEWALK	0.23
42+47	-	44+21	LT, SIDEWALK	0.31
43+90	-	45+90	RT, SIDEWALK	0.34
44+26			LT, DRIVEWAY	0.06
44+30	-	44+58	LT, SIDEWALK	0.05
44+58	-	44+76	LT, DRIVEWAY	0.02
44+67			LT, DRIVEWAY	0.08
44+76	-	45+31	LT, SIDEWALK	0.09
45+31	-	45+45	LT, DRIVEWAY	0.01
45+38			LT, DRIVEWAY	0.06
45+45	-	46+05	LT, SIDEWALK	0.10
45+90	-	46+20	RT, DRIVEWAY	0.06
46+05			RT, DRIVEWAY	0.13
46+05	-	46+28	LT, DRIVEWAY	0.06
46+16			LT, DRIVEWAY	0.10
46+20	-	47+47	RT, SIDEWALK	0.20
46+28	-	47+15	LT, SIDEWALK	0.14
47+15	-	47+34	LT, DRIVEWAY	0.04
47+24			LT, DRIVEWAY	0.09
47+34	-	48+66	LT, SIDEWALK	0.23
47+47	-	47+77	RT, DRIVEWAY	0.04
47+62			RT, DRIVEWAY	0.13
47+77	-	49+87	RT, SIDEWALK	0.35
49+04	-	49+76	LT, SIDEWALK	0.12
49+76	-	50+10	LT, DRIVEWAY	0.10
49+93			LT, DRIVEWAY	0.14
50+10	-	51+90	LT, SIDEWALK	0.30
50+21	-	51+77	RT, SIDEWALK	0.27
51+73	-	51+94	RT, DRIVEWAY	0.05
51+86			RT, DRIVEWAY	0.08
51+94	-	52+62	RT, SIDEWALK	0.13
52+28	-	55+34	LT, SIDEWALK	0.53

ALL QUANTITIES ARE CATEGORY 0020

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WATER

STATION	-	STATION	LOCATION	624.0100 MGAL
52+70			RT, DRIVEWAY	0.24
52+77	-	53+61	RT, SIDEWALK	0.13
53+70			RT, DRIVEWAY	0.19
53+79	-	54+70	RT, SIDEWALK	0.15
54+59	-	54+91	RT, DRIVEWAY	0.15
54+80			RT, DRIVEWAY	0.09
54+89	-	56+52	RT, SIDEWALK	0.30
55+96	-	58+82	LT, SIDEWALK	0.48
56+52	-	56+67	RT, DRIVEWAY	0.08
56+59			RT, DRIVEWAY	0.07
56+67	-	58+68	RT, SIDEWALK	0.32
59+10	-	59+88	LT, SIDEWALK	0.15
59+10	-	61+55	RT, SIDEWALK	0.42
59+88	-	60+02	LT, DRIVEWAY	0.09
59+94			LT, DRIVEWAY	0.06
60+00	-	61+31	LT, SIDEWALK	0.21
61+31	-	61+43	LT, DRIVEWAY	0.05
61+37			LT, DRIVEWAY	0.06
61+43	-	62+68	LT, SIDEWALK	0.21
61+29	-	62+03	RT, DRIVEWAY	0.29
61+65			RT, DRIVEWAY	0.08
61+74	-	62+69	RT, SIDEWALK	0.14
62+61	-	62+96	RT, DRIVEWAY	0.09
62+65	-	62+88	LT, DRIVEWAY	0.16
62+78			LT, DRIVEWAY	0.10
62+81			RT, DRIVEWAY	0.11
62+88	-	63+85	LT, SIDEWALK	0.18
62+94	-	69+05	RT, SIDEWALK	0.94
64+17	-	68+63	LT, SIDEWALK	0.72
68+63	-	68+75	LT, DRIVEWAY	0.02
68+68			LT, DRIVEWAY	0.06
68+75	-	70+40	LT, SIDEWALK	0.26
69+13			8TH ST RT, DRIVEWAY	0.14
69+21	-	69+80	RT, SIDEWALK	0.10
69+90			8TH ST RT, DRIVEWAY	0.10
69+99	-	70+61	RT, SIDEWALK	0.05
10'A'+22	-	10'A'+62	N 20TH PL	0.48
10'B'+21	-	11'B'+50	N 20TH ST	0.98
11'B'+24			RT, DRIVEWAY	0.08
10'C'+21	-	11'C'+25	N 19TH ST	1.03
10'C'+87			LT, DRIVEWAY	0.14
10'H'+21	-	11'H'+25	HUBERT CR	0.82
10'H'+78			RT, DRIVEWAY	0.12
10'H'+83			LT, DRIVEWAY	0.08
10'D'+22	-	11'D'+20	N 17TH ST	0.81
6'LS'+92	-	13'LS'+08	N 15TH ST	8.81
10'LS'+51			RT, DRIVEWAY	0.12
11'LS'+28			RT, DRIVEWAY	0.02
11'LS'+62			RT, DRIVEWAY	0.02
11'LS'+71			LT, DRIVEWAY	0.02

WATER

STATION	-	STATION	LOCATION	624.0100 MGAL
12'LS'+25			RT, DRIVEWAY	0.06
12'LS'+39			LT, DRIVEWAY	0.04
12'LS'+96			LT, DRIVEWAY	0.04
10'K'+21	-	11'K'+10	KOEHLER DR	0.72
10'F'+21	-	11'F'+10	N 14TH ST	0.72
10'G'+21	-	11'G'+10	N 13TH ST	0.60
8'J'+90	-	9'J'+80	N 13TH ST	1.30
10'E'+21	-	10'E'+42	N 12TH ST	0.30
8'L'+87	-	9'L'+79	N 12TH ST	0.83
10'R'+21	-	10'R'+40	ROSEWOOD CT	0.27
10'HC'+21	-	10'HC'+40	HIGHCLIFF CT	0.42
8'M'+90	-	9'M'+79	N 10TH ST	1.29
10'N'+21	-	11'N'+38	N 10TH ST	0.93
10'P'+21	-	11'P'+89	N 8TH ST/EISNER AVE	2.67
11'Q'+03			LT, DRIVEWAY	0.08
UNDISTRIBUTED				12.27
TOTAL				**135**

LANDMARK REFERENCE MONUMENTS

STATION	REMARKS	621.0100 EACH
23+69	CENTER SECTION 10	4
49+95	SECTION 10/11	4
TOTAL		**8**

DUST CONTROL SURFACE TREATMENT

STATION	-	STATION	LOCATION	623.0200 SY
10+98	-	14+06	EISNER AVE	1370
14+49	-	70+58	EISNER AVE	24930
10'A'+22	-	10'A'+62	N 20TH PL	150
10'B'+21	-	11'B'+50	N 20TH ST	410
10'C'+21	-	11'C'+25	N 19TH ST	350
10'H'+21	-	11'H'+25	HUBERT CR	370
10'D'+22	-	11'D'+20	N 17TH ST	350
6'LS'+92	-	13'LS'+08	N 15TH ST	3290
10'K'+21	-	11'K'+10	KOEHLER DR	300
10'F'+21	-	11'F'+10	N 14TH ST	300
10'G'+21	-	11'G'+10	N 13TH ST	300
8'J'+90	-	9'J'+80	N 13TH ST	420
10'E'+21	-	10'E'+42	N 12TH ST	90
8'L'+87	-	9'L'+79	N 12TH ST	310
10'R'+21	-	10'R'+40	ROSEWOOD CT	80
10'HC'+21	-	10'HC'+40	HIGHCLIFF CT	150
8'M'+90	-	9'M'+79	N 10TH ST	380
10'N'+21	-	11'N'+38	N 10TH ST	390
10'P'+21	-	11'P'+89	N 8TH ST/EISNER AVE	810
UNDISTRIBUTED				3475
TOTAL				**38225**

ALL QUANTITIES ARE CATEGORY 0020

LANDSCAPING ITEMS

STATION	-	STATION	LOCATION	625.0100 TOPSOIL SY	629.0210 FERTILIZER TYPE B CWT	630.0140 SEEDING MIXTURE NO. 40 LB	630.0200 SEEDING TEMPORARY LB	628.2008 EROSION MAT URBAN CLASS I, TYPE B SY
10+27	-	11+09	LT	117	0.1	2.0	3.0	117
10+98	-	14+28	RT	398	0.3	7.0	11.0	398
11+33	-	11+36	LT	4	0.1	1.0	0.0	4
11+59	-	12+09	LT	60	0.1	1.0	2.0	60
12+32	-	13+23	LT	131	0.1	2.0	4.0	131
13+60	-	14+13	LT	73	0.1	1.0	2.0	73
14+23	-	15+53	LT	181	0.1	3.0	5.0	181
14+39	-	16+22	RT	204	0.1	4.0	6.0	204
15+66	-	16+94	LT	278	0.2	5.0	8.0	278
16+43	-	19+41	RT	324	0.2	6.0	9.0	324
17+24	-	18+78	LT	308	0.2	6.0	8.0	308
18+95	-	20+09	LT	240	0.2	4.0	6.0	240
19+91	-	21+54	RT	127	0.1	2.0	3.0	127
20+46	-	21+62	LT	264	0.2	5.0	7.0	264
21+82	-	22+22	LT	102	0.1	2.0	3.0	102
21+96	-	23+77	RT	145	0.1	3.0	4.0	145
22+45	-	23+23	LT	166	0.1	3.0	4.0	166
23+55	-	24+60	LT	242	0.2	4.0	7.0	242
24+36	-	26+45	RT	179	0.1	3.0	5.0	179
24+80	-	25+72	LT	187	0.1	3.0	5.0	187
25+89	-	27+24	LT	266	0.2	5.0	7.0	266
26+73	-	28+69	RT	205	0.1	4.0	6.0	205
27+59	-	28+35	LT	269	0.2	5.0	7.0	269
28+57	-	29+18	LT	117	0.1	2.0	3.0	117
28+97	-	31+04	RT	505	0.3	9.0	14.0	505
29+62	-	30+76	LT	469	0.3	8.0	13.0	469
31+34	-	32+98	LT	244	0.2	4.0	7.0	244
31+57	-	32+89	RT	646	0.4	12.0	17.0	646
33+24	-	36+12	RT	385	0.2	7.0	10.0	385
33+28	-	35+00	LT	255	0.2	5.0	7.0	255
35+16	-	35+67	LT	92	0.1	2.0	2.0	92
35+83	-	36+44	LT	99	0.1	2.0	3.0	99
36+41	-	39+29	RT	445	0.3	8.0	12.0	445
36+61	-	38+25	LT	261	0.2	5.0	7.0	261
38+55	-	40+48	LT	271	0.2	5.0	7.0	271
39+54	-	42+01	RT	396	0.2	7.0	11.0	396
40+71	-	41+48	LT	124	0.1	2.0	3.0	124
41+67	-	42+17	LT	108	0.1	2.0	3.0	108
42+25	-	43+31	RT	180	0.1	3.0	5.0	180
42+49	-	44+18	LT	259	0.2	5.0	7.0	259
44+04	-	45+87	RT	328	0.2	6.0	9.0	328
44+33	-	44+55	LT	29	0.1	1.0	1.0	29
44+79	-	45+28	LT	65	0.1	1.0	2.0	65
45+47	-	46+02	LT	76	0.1	1.0	2.0	76
46+23	-	47+44	RT	174	0.1	3.0	5.0	174
46+31	-	47+12	LT	107	0.1	2.0	3.0	107
47+37	-	48+66	LT	198	0.1	4.0	5.0	198
47+80	-	49+85	RT	339	0.2	6.0	9.0	339
49+05	-	49+73	LT	137	0.1	2.0	4.0	137
50+13	-	51+88	LT	237	0.1	4.0	6.0	237
50+36	-	51+74	RT	241	0.2	4.0	7.0	241
51+97	-	52+59	RT	114	0.1	2.0	3.0	114
52+28	-	55+34	LT	501	0.3	9.0	14.0	501
52+80	-	53+58	RT	154	0.1	3.0	4.0	154
53+82	-	54+67	RT	163	0.1	3.0	4.0	163

LANDSCAPING ITEMS

STATION	-	STATION	LOCATION	625.0100 TOPSOIL SY	629.0210 FERTILIZER TYPE B CWT	630.0140 SEEDING MIXTURE NO. 40 LB	630.0200 SEEDING TEMPORARY LB	628.2008 EROSION MAT URBAN CLASS I, TYPE B SY
54+92	-	56+49	RT	261	0.2	5.0	7.0	261
55+96	-	58+80	LT	628	0.4	11.0	17.0	628
56+69	-	58+66	RT	415	0.3	7.0	11.0	415
59+10	-	59+85	LT	250	0.2	5.0	7.0	250
59+28	-	61+52	RT	306	0.2	6.0	8.0	306
60+03	-	61+28	LT	302	0.2	5.0	8.0	302
61+46	-	62+65	LT	227	0.1	4.0	6.0	227
61+77	-	62+58	RT	124	0.1	2.0	3.0	124
62+91	-	63+74	LT	564	0.4	10.0	15.0	564
62+82	-	69+02	RT	841	0.5	15.0	23.0	841
64+19	-	68+61	LT	1,394	0.9	25.0	38.0	1,394
68+78	-	70+59	LT	277	0.2	5.0	7.0	277
69+25	-	69+79	RT	85	0.1	2.0	2.0	85
70+01	-	70+59	RT	85	0.1	2.0	2.0	85
11'B'+35	-	11'B'+50	RT	17	0.1	1.0	1.0	17
10'C'+97	-	11'C'+25	LT	19	0.1	1.0	1.0	19
10'H'+89	-	11'H'+25	RT	34	0.1	1.0	1.0	34
10'H'+97	-	11'H'+25	LT	13	0.1	1.0	1.0	13
10'LS'+62	-	11'LS'+20	RT	42	0.1	1.0	1.0	42
11'LS'+36	-	11'LS'+54	RT	11	0.1	1.0	1.0	11
11'LS'+71	-	12'LS'+11	RT	27	0.1	1.0	1.0	27
11'LS'+78	-	11'LS'+28	LT	42	0.1	1.0	1.0	42
12'LS'+39	-	13'LS'+08	RT	77	0.1	1.0	2.0	77
12'LS'+51	-	13'LS'+08	LT	26	0.1	1.0	1.0	26
8'J'+90	-	9'J'+69	LT	45	0.1	1.0	1.0	45
8'J'+90	-	9'J'+69	RT	36	0.1	1.0	1.0	36
8'M'+90	-	9'M'+69	RT	89	0.1	2.0	2.0	89
10'Q'+08	-	10'Q'+84	LT	157	0.1	3.0	4.0	157
11'Q'+20	-	11'Q'+55	LT	29	0.1	1.0	1.0	29
UNDISTRIBUTED				1,861	1	34	51	1,861
TOTAL				**20,474**	**14**	**376**	**556**	**20,474**

ALL QUANTITIES ARE CATEGORY 0020

SILT FENCE

STATION	-	STATION	LOCATION	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF
64+50	-	66+50	RT	200	200
65+50	-	66+50	LT	100	100
UNDISTRIBUTED				30	30
TOTAL				**330**	**330**

MOBILIZATIONS EROSION CONTROL

LOCATION	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EACH
PROJECT 4996-01-56	14	7
TOTAL	**14**	**7**

CULVERT PIPE CHECKS

STATION	OFFSET	628.7555 EACH
14+07	31' RT	5
14+56	34' RT	5
23+65	37' LT	5
TOTAL		**15**

ROCK BAGS

STATION	LOCATION	628.7570 EACH
10+95	LT/RT	10
70+61	LT/RT	10
11'Q'+08	LT/RT	10
TOTAL		**30**

INLET PROTECTION

STATION	OFFSET	628.7005 TYPE A EACH	628.7010 TYPE B EACH	628.7015 TYPE C EACH	REMARKS
13+95	17.5' LT	1	---	1	IN 1
13+95	17.5' RT	1	---	1	IN 2
13+95	20.5' LT	---	---	1	EX INLET
14+07	20' RT	---	---	1	EX INLET
14+33	20.5' LT	---	---	1	EX INLET
14+53	20' RT	---	---	1	EX INLET
16+88	17.5' RT	1	---	1	IN 3
16+76	17.5' LT	1	---	1	IN 0
20+27	17.5' RT	1	---	1	IN 44
20+37	17.5' RT	1	---	1	IN 46
20+47	17.5' RT	1	---	1	IN 45
20+67	17.5' RT	1	---	1	IN 4
20+67	17.5' LT	1	---	1	IN 6
20+77	17.5' LT	1	---	1	IN 7
20+77	17.5' RT	1	---	1	IN 5
20+87	17.5' RT	1	---	1	IN 47
23+21	39.9' LT	1	---	---	IN 72
23+72	17.5' LT	1	---	1	IN 9
23+72	17.5' RT	1	---	1	IN 8
23+82	17.5' RT	1	1	---	IN 50
27+07	17.5' LT	1	---	1	IN 56
27+60	37' LT	1	---	---	EX INLET
28+80	17.5' RT	1	1	---	IN 49
28+90	17.5' RT	1	1	---	IN 48
29+00	17.5' RT	1	---	1	IN 28
29+00	17.5' LT	1	---	1	IN 10
29+10	17.5' LT	1	---	1	IN 11
29+10	17.5' RT	1	---	1	IN 12
30+30	27' RT	1	---	1	IN 69
30+96	18' RT	1	---	---	EX INLET
32+82	18' LT	1	---	1	IN 13
32+82	17.5' RT	1	---	1	IN 14
34+00	17.5' RT	1	---	1	IN 65
34+16	19' RT	1	---	---	EX INLET
35+11	17' RT	1	---	---	EX INLET
35+15	17.5' RT	1	---	1	IN 66
35+25	17.5' RT	1	---	1	IN 15
35+25	17.5' LT	1	---	1	IN 16
36+26	22' RT	---	1	---	EX INLET
37+12	21' RT	1	---	---	EX INLET
37+75	34' RT	1	---	---	IN 64
37+90	17.5' RT	1	---	1	IN 67
38+00	17.5' RT	1	---	1	IN 18
38+00	17.5' LT	1	---	1	IN 17
39+21	17.5' RT	1	---	1	IN 19
39+24	17.5' LT	1	---	1	IN 21
39+30	17.5' LT	1	---	1	IN 22
39+30	17.5' RT	1	1	---	IN 20
41+60	34' RT	1	---	1	IN 43
42+00	17.5' RT	1	---	1	IN 23
42+64	17.5' LT	1	---	1	IN 24
42+00	22' LT	1	---	---	EX INLET
42+40	18' RT	1	---	---	EX INLET
42+70	22' LT	1	---	---	EX INLET
43+69	23' LT	1	---	---	EX INLET

INLET PROTECTION

STATION	OFFSET	628.7005 TYPE A EACH	628.7010 TYPE B EACH	628.7015 TYPE C EACH	REMARKS
44+08	17' RT	1	---	---	EX INLET
44+08	17.5' RT	1	---	1	IN 41
47+50	17.5' LT	1	---	1	IN 51
47+50	17.5' RT	1	1	---	IN 52
49+59	20' RT	1	---	---	EX INLET
49+82	40' RT	1	---	---	IN 59
50+27	40' RT	1	---	---	IN 60
51+70	17.5' LT	1	---	1	IN 27
52+10	17.5' RT	1	---	1	IN 42
54+61	19' LT	1	---	---	EX INLET
54+63	20' RT	1	---	---	EX INLET
55+10	17.5' LT	1	---	1	IN 30
55+10	17.5' RT	1	---	1	IN 29
55+19	19' LT	1	---	---	EX INLET
58+41	20' RT	1	---	---	EX INLET
58+42	17.5' RT	1	---	1	IN 31
58+63	17.5' LT	1	---	1	IN 32
58+48	20' LT	1	---	---	EX INLET
58+69	38' RT	1	---	1	IN 62
59+08	38' RT	1	---	1	IN 63
61+00	17.5' RT	1	---	1	IN 33
61+00	17.5' LT	1	---	1	IN 34
63+66	17.5' RT	1	---	1	IN 35
63+66	17.5' LT	1	---	1	IN 36
63+79	45.3' LT	1	---	---	IN 25
66+00	38' RT	1	---	---	IN 55
66+28	22' RT	1	---	---	EX INLET
66+98	17.5' RT	1	---	1	IN 37
66+98	17.5' LT	1	---	1	IN 39
67+04	17.5' RT	1	---	1	IN 38
67+04	17.5' LT	1	---	1	IN 40
7'LS'+44	25' LT	1	---	---	IN 68
7'LS'+44	31' RT	1	---	---	IN 58
9'LS'+33	23.5' LT	1	---	1	IN 54
9'LS'+33	23.5' RT	1	---	1	IN 53
9'LS'+54	23' RT	1	---	---	EX INLET
10'LS'+68	24' LT	1	---	---	EX INLET
10'LS'+70	23.5' LT	1	---	1	IN 71
10'LS'+70	23.5' RT	1	---	1	IN 70
10'G'+44	19' RT	1	---	---	EX INLET
10'G'+44	18' LT	1	---	---	EX INLET
9'J'+55	20' LT	---	---	1	EX INLET
9'J'+61	20' RT	---	---	1	EX INLET
10'E'+35	18' LT	---	---	1	EX INLET
10'E'+37	18' RT	---	---	1	EX INLET
9'L'+63	21' LT	---	---	1	EX INLET
9'L'+64	15' RT	---	---	1	EX INLET
10'R'+40	18' RT	---	---	1	EX INLET
10'R'+40	18' LT	---	---	1	EX INLET
9'M'+62	20' RT	---	---	1	EX INLET
9'M'+63	20' LT	---	---	1	EX INLET
10'P'+54	4' LT	1	---	---	EX INLET
10'P'+93	30' LT	1	---	---	EX INLET
TOTAL		**93**	**6**	**71**	

ALL QUANTITIES ARE CATEGORY 0020

PERMANENT SIGNING

STATION	SIGN NO.	CODE	SIZE IN x IN	634.0811 POSTS TUBULAR STEEL 2X2-INCH X 11-FT EACH	CAT. CODE 0010 634.0811 POSTS TUBULAR STEEL 2X2-INCH X 11-FT EACH	634.0812 POSTS TUBULAR STEEL 2X2-INCH X 12-FT EACH	637.0202 SIGNS REFLECTIVE TYPE II SF	CAT. CODE 0010 637.0202 SIGNS REFLECTIVE TYPE II SF	637.0620 SIGN FLAGS PERMANENT TYPE II EACH	SIGN MOUNTED ON SAME POST AS	REMARKS
10+61	1	R3-17	30 X 24	---	---	---	---	5.00	---	25 MPH SPEED LIMIT	
11+90	2	W10-1	36 X 36	---	---	1	7.07	---	---	---	
	2.1	W10-1A	12 X 24	---	---	---	2.00	---	---	---	
11+80	3	R3-17	30 X 24	---	---	---	---	5.00	---	LIGHT POST	
	3.1	R3-17B	30 X 12	---	---	---	---	2.50	---	LIGHT POST	
13+20	4	R1-1	30 X 30	1	---	---	5.18	---	---	---	
16+75	5	W10-1	36 X 36	---	---	---	7.07	---	---	LIGHT POST	
	5.1	W10-1A	12 X 24	---	---	---	2.00	---	---	---	
16+90	6	R1-1	30 X 30	1	---	---	5.18	---	---	---	
18+22	7	R2-1	24 X 30	1	---	---	5.00	---	---	---	
	7.1	R7-9A	18 X 24	---	---	---	3.00	---	---	---	NO PARKING BIKE LANE
20+07	8	R1-1	30 X 30	1	---	---	5.18	---	---	---	
23+22	9	R1-1	30 X 30	1	---	---	5.18	---	---	---	
27+23	10	R1-1	30 X 30	1	---	---	5.18	---	---	---	
29+14	11	R2-1	24 X 30	---	---	---	5.00	---	---	LIGHT POST	
29+63	12	R4-4	36 X 30	---	---	---	7.50	---	---	LIGHT POST	
30+53	13	R3-17	30 X 24	---	1	---	---	5.00	---	---	
6'LS'+75	14	W3-1	36 X 36	---	---	1	9.00	---	2	---	
8'LS'+25	15	R3-8A	36 X 30	1	---	---	7.50	---	---	---	
9'LS'+50	16	R1-1	36 X 36	1	---	---	7.46	---	2	---	
	16.1	R1-3P	18 X 6	---	---	---	0.75	---	---	---	
10'LS'+47	17	R1-1	36 X 36	1	---	---	7.46	---	2	---	
	17.1	R1-3P	18 X 6	---	---	---	0.75	---	---	---	
11'LS'+50	18	R3-8A	36 X 30	1	---	---	7.50	---	---	---	
13'LS'+18	19	W3-1	36 X 36	---	---	1	9.00	---	2	---	
31+85	20	R3-17	30 X 24	---	1	---	---	5.00	---	---	
31+57	21	R1-1	36 X 36	---	---	---	7.46	---	---	LIGHT POST	
	21.1	R1-3P	18 X 6	---	---	---	0.75	---	---	---	
32+81	22	R4-4	36 X 30	---	---	---	7.50	---	---	LIGHT POST	
32+97	23	R1-1	30 X 30	1	---	---	5.18	---	---	---	
30+97	24	R1-1	36 X 36	1	---	---	7.46	---	---	---	
	24.1	R1-3P	18 X 6	---	---	---	0.75	---	---	---	
38+21	25	R1-1	30 X 30	1	---	---	5.18	---	---	---	
42+16	26	R1-1	30 X 30	1	---	---	5.18	---	---	---	
43+93	27	R1-1	30 X 30	1	---	---	5.18	---	---	---	
48+63	28	R1-1	30 X 30	1	---	---	5.18	---	---	---	
50+25	29	R1-1	30 X 30	1	---	---	5.18	---	---	---	
51+87	30	R1-1	30 X 30	1	---	---	5.18	---	---	---	
55+31	31	R1-1	30 X 30	1	---	---	5.18	---	---	---	
58+79	32	R1-1	30 X 30	1	---	---	5.18	---	---	---	
59+13	33	R1-1	30 X 30	1	---	---	5.18	---	---	---	
63+82	34	R1-1	30 X 30	1	---	---	5.18	---	---	---	
10'P'+92	35	W1-7	48 X 24	1	---	---	8.00	---	---	---	
10'Q'+33	36	R1-1	30 X 30	1	---	---	5.18	---	---	---	
70+50	37	R3-17	30 X 24	---	1	---	---	5.00	---	---	
14+17	38	W15-3	12 X 24	---	---	---	2.00	---	---	RR SIGNAL	
14+40	39	W15-3	12 X 24	---	---	---	2.00	---	---	RR SIGNAL	
15+00	40	R7-9A	18 X 24	1	---	---	3.00	---	---	---	NO PARKING BIKE LANE
16+00	41	R7-9A	18 X 24	1	---	---	3.00	---	---	---	NO PARKING BIKE LANE
19+95	42	R7-9A	18 X 24	---	---	---	3.00	---	---	LIGHT POST	NO PARKING BIKE LANE

CONTINUED NEXT PAGE

ALL QUANTITIES ARE CATEGORY 0020 EXCEPT AS NOTED

FILE NAME: I:\work\60164548\000_cadd\civil\030202_mq.dgn
BATCH PRINT SHEET 2 OF 3
PRINTER DRIVER: L:\library\TPN_CADstds\Workspace-Clients\WisDOT\Microstation\Resources\MS_Printing\Printer_Drivers\ET_PDF_11 x 17.plt
PEN TABLE: L:\work\60164548\000_CADD\CIVIL\MS_Printing\Pen_Tables\ET_WisDOT.tbl
PLOT DATE: 10/26/2012
PLOT TIME: 12:50:45 PM
PLOT SCALE: 1:2
WISDOT/CADDS SHEET 43

CONTINUED FROM PREVIOUS PAGE

PERMANENT SIGNING

STATION	SIGN NO.	CODE	SIZE IN x IN	634.0811 POSTS TUBULAR STEEL 2X2-INCH X 11-FT EACH	CAT. CODE 0010 634.0811 POSTS TUBULAR STEEL 2X2-INCH X 11-FT EACH	634.0812 POSTS TUBULAR STEEL 2X2-INCH X 12-FT EACH	637.0202 SIGNS REFLECTIVE TYPE II SF	CAT. CODE 0010 637.0202 SIGNS REFLECTIVE TYPE II SF	637.0620 SIGN FLAGS PERMANENT TYPE II EACH	SIGN MOUNTED ON SAME POST AS	REMARKS
21+00	43	R7-9A	18 X 24	1	---	---	3.00	---	---	---	NO PARKING BIKE LANE
23+07	44	R7-9A	18 X 24	---	---	---	3.00	---	---	LIGHT POST	NO PARKING BIKE LANE
24+70	45	R7-9A	18 X 24	1	---	---	3.00	---	---	---	NO PARKING BIKE LANE
26+85	46	R7-9A	18 X 24	1	---	---	3.00	---	---	---	NO PARKING BIKE LANE
28+00	47	R7-9A	18 X 24	1	---	---	3.00	---	---	---	NO PARKING BIKE LANE
33+90	48	R7-9A	18 X 24	1	---	---	3.00	---	---	---	NO PARKING BIKE LANE
37+75	49	R7-9A	18 X 24	1	---	---	3.00	---	---	---	NO PARKING BIKE LANE
39+00	50	R7-9A	18 X 24	1	---	---	3.00	---	---	---	NO PARKING BIKE LANE
42+05	51	R7-9A	18 X 24	---	---	---	3.00	---	---	LIGHT POST	NO PARKING BIKE LANE
44+25	52	R7-9A	18 X 24	1	---	---	3.00	---	---	---	NO PARKING BIKE LANE
47+82	53	R7-9A	18 X 24	---	---	---	3.00	---	---	LIGHT POST	NO PARKING BIKE LANE
51+00	54	R7-9A	18 X 24	1	---	---	3.00	---	---	---	NO PARKING BIKE LANE
51+50	55	R7-9A	18 X 24	1	---	---	3.00	---	---	---	NO PARKING BIKE LANE
54+80	56	R7-9A	18 X 24	1	---	---	3.00	---	---	---	NO PARKING BIKE LANE
56+30	57	R7-9A	18 X 24	1	---	---	3.00	---	---	---	NO PARKING BIKE LANE
58+40	58	R7-9A	18 X 24	1	---	---	3.00	---	---	---	NO PARKING BIKE LANE
60+00	59	R7-9A	18 X 24	1	---	---	3.00	---	---	---	NO PARKING BIKE LANE
63+50	60	R7-9A	18 X 24	1	---	---	3.00	---	---	---	NO PARKING BIKE LANE
64+50	61	R7-9A	18 X 24	1	---	---	3.00	---	---	---	NO PARKING BIKE LANE
TOTAL				42	3	3	278.04	27.50	8		

MOVING SIGNS

STATION	SIGN NO.	SIGN CODE	SIGN SIZE IN x IN	638.2102 MOVING SIGNS TYPE II EACH	638.4000 MOVING SMALL SIGN SUPPORTS EACH	REMARKS
70+58	X	---	---	1	1	BIKES MAY USE FULL LANE
TOTAL				1	1	

ALL QUANTITIES ARE CATEGORY 0020 EXCEPT AS NOTED

3

TRAFFIC CONTROL

STAGE	DAYS	643.0300 TRAFFIC CONTROL DRUMS EACH	643.0300 TRAFFIC CONTROL DRUMS DAYS	643.0405 TRAFFIC CONTROL BARRICADES TYPE I EACH	643.0405 TRAFFIC CONTROL BARRICADES TYPE I DAYS	643.0410 TRAFFIC CONTROL BARRICADES TYPE II EACH	643.0410 TRAFFIC CONTROL BARRICADES TYPE II 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	643.0900 TRAFFIC CONTROL SIGNS EACH	643.0900 TRAFFIC CONTROL SIGNS DAYS
STAGE 1	35	48	1,680	2	70	---	---	22	770	36	1,260	11	385
SUBTOTAL			1,680		70		0		770		1,260		385
STAGE 2	10	20	200	---	---	1	10	6	60	13	130	12	120
STAGE 2A	20	40	800	---	---	1	20	13	260	27	540	14	280
STAGE 2B	6	20	120	---	---	1	---	13	78	27	162	14	84
STAGE 2C	6	20	120	---	---	1	6	18	108	37	222	15	90
SUBTOTAL			1,240		0		36		506		1,054		574
STAGE 3A	90	75	6,750	4	360	8	720	40	3,600	88	7,920	48	4,320
STAGE 3B	10	110	1,100	4	40	8	80	39	390	86	860	105	1,050
STAGE 3C	10	130	1,300	4	40	8	80	39	390	86	860	106	1,060
SUBTOTAL			9,150		440		880		4,380		9,640		6,430
TOTAL			**12,070**		**510**		**916**		**5,656**		**11,954**		**7,389**

TRAFFIC CONTROL PROJECT

LOCATION	643.0100 EACH
PROJECT 4996-01-56	1
TOTAL	**1**

TRAFFIC CONTROL DETOUR ITEMS

LOCATION	DAYS	643.2000 TRAFFIC CONTROL DETOUR (PROJECT) EACH	643.3000 TRAFFIC CONTROL DETOUR SIGNS EACH	643.3000 TRAFFIC CONTROL DETOUR SIGNS DAYS	REMARKS
PROJECT 4996-01-56	45	1	71	3,195	DETOUR OF CTH LS/LAKESHORE RD
TOTAL		**1**		**3,195**	

ALL QUANTITIES ARE CATEGORY 0020

PAVEMENT MARKING EPOXY ITEMS

STATION	-	STATION	LOCATION	CAT. CODE 0010 646.0106 4-INCH WHITE LF	CAT. CODE 0010 646.0106 4-INCH DASHED WHITE 3-FOOT LINE 9-FOOT SKIP LF	646.0106 4-INCH WHITE LF	646.0106 4-INCH DOUBLE YELLOW LF	646.0126 8-INCH WHITE LF	646.0126 8-INCH DASHED WHITE 3-FOOT LINE 9-FOOT SKIP LF	647.0110 RAILROAD CROSSINGS WHITE EACH	647.0556 STOP LINE 12-INCH WHITE LF	647.0726 DIAGONAL 12-INCH YELLOW LF	CAT. CODE 0010 647.0766 CROSSWALK 6-INCH WHITE LF
10+98	-	13+05	LT/CL	207	---	---	414	---	---	---	---	---	---
10+98	-	14+00	RT	302	---	---	---	---	---	---	---	---	---
11+92	-	14+00	RT	---	---	---	---	---	---	1	---	---	---
13+23	-	13+60	LT	---	---	---	---	---	---	---	---	---	69
13+75	-	14+08	LT	---	12	---	---	---	---	---	---	---	---
13+75	-	14+22	CL	---	---	---	94	---	---	---	---	---	---
14+33	-	16+79	CL	---	---	---	492	---	---	---	---	---	---
14+46	-	29+63	RT	1,517	---	---	---	---	---	---	---	---	---
14+55	-	16+63	LT	---	---	---	---	---	---	1	---	---	---
14+55	-	16+79	LT	224	---	---	---	---	---	---	---	---	---
16+94	-	16+21	LT	---	---	---	---	---	---	---	---	---	49
17+37	-	17+85	LT	---	12	---	---	---	---	---	---	---	---
17+37	-	19+95	CL	---	---	---	516	---	---	---	---	---	---
17+85	-	19+95	LT	210	---	---	---	---	---	---	---	---	---
20+11	-	20+44	LT	---	---	---	---	---	---	---	---	---	61
20+59	-	21+07	LT	---	12	---	---	---	---	---	---	---	---
20+59	-	23+70	CL	---	---	---	622	---	---	---	---	---	---
21+07	-	23+70	LT	263	---	---	---	---	---	---	---	---	---
23+26	-	23+53	LT	---	---	---	---	---	---	---	---	---	49
23+69	-	24+17	LT	---	12	---	---	---	---	---	---	---	---
23+69	-	27+11	CL	---	---	---	684	---	---	---	---	---	---
24+17	-	27+11	LT	294	---	---	---	---	---	---	---	---	---
27+27	-	27+56	LT	---	---	---	---	---	---	---	---	---	54
27+72	-	28+20	LT	---	12	---	---	---	---	---	---	---	---
27+72	-	30+88	CL	---	---	---	632	---	---	---	---	---	---
28+20	-	30+49	LT	229	---	---	---	---	---	---	---	---	---
29+63	-	30+38	RT	---	19	---	---	---	19	---	---	---	---
30+38	-	30+91	RT	53	---	---	---	53	---	---	---	---	---
30+75	-	31+39	LT	---	---	---	---	---	---	---	---	---	116
30+80	-	31+12	LT	---	---	---	---	---	---	---	31		
31+24	-	31+53	RT	---	---	---	---	---	---	---	30		
31+57	-	32+13	LT	56	---	---	---	56	---	---	---	---	---
31+57	-	32+85	CL	---	---	---	256	---	---	---	---	---	---
31+85	-	33+37	RT	152	---	---	---	---	---	---	---	---	---
32+13	-	32+85	LT	---	18	---	---	---	18	---	---	---	---
33+01	-	33+28	LT	---	---	---	---	---	---	---	---	---	49
33+37	-	33+44	CL	---	---	---	---	---	---	---	---	---	65
33+44	-	33+92	LT	---	12	---	---	---	---	---	---	---	---
33+44	-	38+09	RT/CL	465	---	---	930	---	---	---	---	---	---
33+92	-	38+09	LT	417	---	---	---	---	---	---	---	---	---
38+09	-	38+16	CL	---	---	---	---	---	---	---	---	---	65
38+16	-	38+36	RT	20	---	---	---	---	---	---	---	---	---
38+36	-	39+42	RT	---	27	---	---	---	---	---	---	---	---
38+26	-	38+52	LT	---	---	---	---	---	---	---	---	---	49
38+68	-	42+04	LT/CL	336	---	---	672	---	---	---	---	---	---
39+42	-	42+82	RT	340	---	---	---	---	---	---	---	---	---
42+20	-	42+46	LT	---	---	---	---	---	---	---	---	---	49
42+62	-	43+10	LT	---	12	---	---	---	---	---	---	---	---
42+62	-	43+30	CL	---	---	---	136	---	---	---	---	---	---
42+82	-	43+30	RT	---	12	---	---	---	---	---	---	---	---

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ALL QUANTITIES ARE CATEGORY 0020 EXCEPT AS NOTED

CONTINUED FROM PREVIOUS PAGE

PAVEMENT MARKING EPOXY ITEMS

STATION	-	STATION	LOCATION	CAT. CODE 0010 646.0106 4-INCH WHITE LF	CAT. CODE 0010 646.0106 4-INCH DASHED WHITE 3-FOOT LINE 9-FOOT SKIP LF	646.0106 4-INCH WHITE LF	646.0106 4-INCH DOUBLE YELLOW LF	646.0126 8-INCH WHITE LF	646.0126 8-INCH DASHED WHITE 3-FOOT LINE 9-FOOT SKIP LF	647.0110 RAILROAD CROSSINGS WHITE EACH	647.0556 STOP LINE 12-INCH WHITE LF	647.0726 DIAGONAL 12-INCH YELLOW LF	CAT. CODE 0010 647.0766 CROSSWALK 6-INCH WHITE LF
43+10	-	43+30	LT	20	---	---	---	---	---	---	---	---	---
43+30	-	43+37	CL	---	---	---	---	---	---	---	---	---	64
43+37	-	43+98	LT	61	---	---	---	---	---	---	---	---	---
43+49	-	43+90	RT	---	---	---	---	---	---	---	---	---	77
43+98	-	44+08	CL	---	---	---	---	---	---	---	---	---	66
44+05	-	48+55	LT/CL/RT	900	---	---	900	---	---	---	---	---	---
48+55	-	48+62	CL	---	---	---	---	---	---	---	---	---	69
48+62	-	49+22	RT	60	---	---	---	---	---	---	---	---	---
48+67	-	49+03	LT	---	---	---	---	---	---	---	---	---	57
49+19	-	49+67	LT	---	12	---	---	---	---	---	---	---	---
49+19	-	49+72	CL	---	---	---	106	---	---	---	---	---	---
49+22	-	49+70	RT	---	12	---	---	---	---	---	---	---	---
49+67	-	50+30	LT	63	---	---	---	---	---	---	---	---	---
49+88	-	50+20	RT	---	---	---	---	---	---	---	---	---	61
50+30	-	50+37	CL	---	---	---	---	---	---	---	---	---	65
50+37	-	51+75	LT/CL	138	---	---	276	---	---	---	---	---	---
50+37	-	52+37	RT	200	---	---	---	---	---	---	---	---	---
51+91	-	52+27	LT	---	---	---	---	---	---	---	---	---	68
52+37	-	52+44	CL	---	---	---	---	---	---	---	---	---	65
52+44	-	52+92	LT	---	12	---	---	---	---	---	---	---	---
52+44	-	55+20	RT/CL	276	---	---	552	---	---	---	---	---	---
52+92	-	55+20	LT	228	---	---	---	---	---	---	---	---	---
55+20	-	55+27	CL	---	---	---	---	---	---	---	---	---	66
55+27	-	56+02	RT	75	---	---	---	---	---	---	---	---	---
55+35	-	55+95	LT	---	---	---	---	---	---	---	---	---	117
56+02	-	56+09	CL	---	---	---	---	---	---	---	---	---	66
56+09	-	56+57	LT	---	12	---	---	---	---	---	---	---	---
56+09	-	58+05	RT	196	---	---	---	---	---	---	---	---	---
56+09	-	58+53	CL	---	---	---	488	---	---	---	---	---	---
56+57	-	58+67	LT	210	---	---	---	---	---	---	---	---	---
58+05	-	58+53	RT	---	12	---	---	---	---	---	---	---	---
58+69	-	59+09	RT	---	---	---	---	---	---	---	---	---	77
58+83	-	59+10	LT	---	---	---	---	---	---	---	---	---	49
59+21	-	59+28	CL	---	---	---	---	---	---	---	---	---	65
59+28	-	59+76	LT	---	12	---	---	---	---	---	---	---	---
59+28	-	63+73	RT/CL	445	---	---	890	---	---	---	---	---	---
59+76	-	63+73	LT	397	---	---	---	---	---	---	---	---	---
63+73	-	63+80	CL	---	---	---	---	---	---	---	---	---	67
63+80	-	68+53	RT	473	---	---	---	---	---	---	---	---	---
63+86	-	64+16	LT	---	---	---	---	---	---	---	---	---	61
64+31	-	64+79	LT	---	12	---	---	---	---	---	---	---	---
64+79	-	68+53	LT	374	---	---	---	---	---	---	---	---	---
64+31	-	70+59	CL	---	---	---	1,256	---	---	---	---	---	---
6'LS'+92	-	9'LS'+50	LT/CL	---	---	---	517	---	---	---	---	---	---
7'LS'+50	-	9'LS'+00	RT	---	---	---	302	---	---	---	---	30	---
6'LS'+92	-	9'LS'+50	LT	---	---	258	---	---	---	---	---	---	---
6'LS'+92	-	9'LS'+02	RT	---	---	210	---	---	---	---	---	---	---
9'LS'+02		9'LS'+50	RT	---	12	---	---	---	---	---	---	---	---
9'LS'+00	-	9'LS'+50	RT	---	---	---	---	50	---	---	---	---	---
9'LS'+57	-	10'LS'+19	RT	---	---	---	---	---	---	---	---	---	116

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ALL QUANTITIES ARE CATEGORY 0020 EXCEPT AS NOTED

CONTINUED FROM PREVIOUS PAGE

PAVEMENT MARKING EPOXY ITEMS

STATION	-	STATION	LOCATION	CAT. CODE 0010 646.0106 4-INCH WHITE LF	CAT. CODE 0010 646.0106 4-INCH DASHED WHITE 3-FOOT LINE 9-FOOT SKIP LF	646.0106 4-INCH WHITE LF	646.0106 4-INCH DOUBLE YELLOW LF	646.0126 8-INCH WHITE LF	646.0126 8-INCH DASHED WHITE 3-FOOT LINE 9-FOOT SKIP LF	647.0110 RAILROAD CROSSINGS WHITE EACH	647.0556 STOP LINE 12-INCH WHITE LF	647.0726 DIAGONAL 12-INCH YELLOW LF	CAT. CODE 0010 647.0766 CROSSWALK 6-INCH WHITE LF
9'LS'+81	-	10'LS'+08	LT	---	---	---	---	---	---	---	29	---	---
9'LS'+89	-	10'LS'+15	RT	---	---	---	---	---	---	---	27	---	---
10'LS'+42	-	10'LS'+95	LT	---	---	---	---	53	---	---	---	---	---
10'LS'+42	-	12'LS'+51	RT	---	---	209	---	---	---	---	---	---	---
10'LS'+42		10'LS'+90	LT	---	12	---	---	---	---	---	---	---	---
10'LS'+90	-	12'LS'+51	LT	---	---	161	---	---	---	---	---	---	---
10'LS'+42	-	13'LS'+08	RT/CL	---	---	---	534	---	---	---	---	---	---
10'LS'+95	-	12'LS'+51	LT	---	---	---	302	---	---	---	---	30	---
TOTAL					9,468		12,407		249	2	117	60	1,950

PAVEMENT MARKING ARROWS AND WORDS EPOXY

STATION	LOCATION	647.0166 ARROWS TYPE 2 EACH	647.0170 ARROWS TYPE 3R EACH	647.0356 WORDS EACH
30+42	RT	---	---	1
30+80	RT	1	---	---
31+69	LT	1	---	---
32+06	LT	---	---	1
9'LS'+05	CL	---	---	1
9'LS'+38	RT/CL	1	1	---
10'LS'+55	LT/CL	1	1	---
10'LS'+91	CL	---	---	1
TOTAL		4	2	4

REMOVING PAVEMENT MARKING

STATION	LOCATION	647.0960 SYMBOLS EACH
70+58	LT	1
TOTAL		1

ALL QUANTITIES ARE CATEGORY 0020 EXCEPT AS NOTED

PAVEMENT MARKING BIKE LANE EPOXY

		CAT. CODE 0010			
		647.0206 ARROWS	647.0306 SYMBOLS	647.0336 SYMBOLS SHARED LANE	647.0406 WORDS
STATION	LOCATION	EACH	EACH	EACH	EACH
11+03	LT	---	---	---	1
11+09	RT	---	1	---	---
11+13	LT	---	---	---	1
11+21	RT	1	---	---	---
11+23	LT	---	---	---	1
12+85	LT	1	---	---	---
12+97	LT	---	1	---	---
13+59	RT	---	1	---	---
13+71	RT	1	---	---	---
16+09	RT	---	1	---	---
16+21	RT	1	---	---	---
16+58	LT	1	---	---	---
16+70	LT	---	1	---	---
18+59	RT	---	1	---	---
18+71	RT	1		---	---
19+75	LT	1	---	---	---
19+87	LT	---	1	---	---
20+71	RT	---	1	---	---
20+83	RT	1	---	---	---
22+90	LT	1	---	---	---
23+02	LT	---	1	---	---
23+21	RT	---	1	---	---
23+33	RT	1	---	---	---
24+40	LT	1	---	---	---
24+52	LT	---	1	---	---
25+71	RT	---	1	---	---
25+83	RT	1	---	---	---
26+91	LT	1	---	---	---
27+03	LT	---	1	---	---
28+21	RT	---	1	---	---
28+33	RT	1	---	---	---
30+32	LT	1	---	---	---
30+40	RT	---	1	---	---
30+44	LT	---	1	---	---
30+52	RT	1	---	---	---
31+92	RT	---	1	---	---
32+01	LT	1	---	---	---
32+04	RT	1	---	---	---
32+13	LT	---	1	---	---
34+41	RT	---	1	---	---
34+53	RT	1	---	---	---
35+38	LT	1	---	---	---
35+50	LT	---	1	---	---
36+91	RT	---	1	---	---
37+03	RT	1	---	---	---
37+78	LT	1	---	---	---
37+90	LT	---	1	---	---
39+25	LT	1	---	---	---
39+62	RT	---	1	---	---
39+37	LT	---	1	---	---

PAVEMENT MARKING BIKE LANE EPOXY

		CAT. CODE 0010			
		647.0206 ARROWS	647.0306 SYMBOLS	647.0336 SYMBOLS SHARED LANE	647.0406 WORDS
STATION	LOCATION	EACH	EACH	EACH	EACH
39+74	RT	1	---	---	---
41+80	LT	1	---	---	---
41+91	RT	---	1	---	---
41+92	LT	---	1	---	---
42+03	RT	1	---	---	---
44+12	RT	---	1	---	---
44+24	RT	1	---	---	---
45+76	LT	1	---	---	---
45+88	LT	---	1	---	---
46+62	RT	---	1	---	---
46+74	RT	1	---	---	---
48+26	LT	1	---	---	---
48+38	LT	---	1	---	---
49+12	RT	---	1	---	---
49+24	RT	1	---	---	---
50+55	RT	---	1	---	---
50+67	RT	1	---	---	---
51+39	LT	1	---	---	---
51+51	LT	---	1	---	---
53+06	RT	---	1	---	---
53+18	RT	1	---	---	---
54+80	LT	1	---	---	---
54+92	LT	---	1	---	---
56+26	RT	---	1	---	---
56+38	RT	1	---	---	---
58+38	LT	1	---	---	---
58+50	LT	---	1	---	---
59+38	RT	---	1	---	---
59+50	RT	1	---	---	---
60+88	LT	1	---	---	---
61+00	LT	---	1	---	---
61+88	RT	---	1	---	---
62+00	RT	1	---	---	---
63+38	LT	1	---	---	---
63+50	LT	---	1	---	---
64+38	RT	---	1	---	---
64+50	RT	1	---	---	---
65+88	LT	1	---	---	---
66+00	LT	---	1	---	---
66+88	RT	---	1	---	---
67+00	RT	1	---	---	---
68+38	LT	1	---	---	---
68+50	LT	---	1	---	---
68+75	RT	---	---	1	---
TOTAL		45	45	1	3

3

ALL QUANTITIES ARE CATEGORY 0010

LIGHTING SERVICE A

CAT. CODE 0020

STATION	SPV.0060.04 DECORATIVE LIGHTING ASSEMBLY TYPE A LED EACH	SPV.0060.05 DECORATIVE LIGHT ASSEMBLY TYPE A CONCRETE BASE EACH	SPV.0060.06 LIGHTING CONTROL CABINET A EACH	SPV.0060.07 CONCRETE BASE FOR CONTROL CABINET A EACH	656.0200 ELECTRIC SERVICE METER BREAKER PEDESTAL EACH
STA 34+90.00, 25'LT	---	---	1	1	1
STA 14+54.00, 20.5'LT	1	1	---	---	---
STA 15+45.00, 20.5'LT	1	1	---	---	---
STA 16+75.00, 20.5'LT	1	1	---	---	---
STA 18+35.00, 20.5'LT	1	1	---	---	---
STA 19+95.00, 20.5'LT	1	1	---	---	---
STA 21+80.00, 20.5'LT	1	1	---	---	---
STA 23+07.00, 20.5'LT	1	1	---	---	---
STA 24+60.00, 20.5'LT	1	1	---	---	---
STA 26+14.00, 20.5'LT	1	1	---	---	---
STA 27+74.00, 20.5'LT	1	1	---	---	---
STA 29+14.00, 20.5'LT	1	1	---	---	---
STA 30+55.00, 20.5'LT	1	1	---	---	---
STA 9'LS'+57.00, 27'LT	1	1	---	---	---
STA 10'LS'+43.00, 27'RT	1	1	---	---	---
STA 31+57.00, 31`LT	1	1	---	---	---
STA 32+81.00, 20.5'LT	1	1	---	---	---
STA 34+25.00, 20.5'LT	1	1	---	---	---
STA 35+69.00, 20.5'LT	1	1	---	---	---
STA 37+29.00, 20.5'LT	1	1	---	---	---
STA 38+89.00, 20.5'LT	1	1	---	---	---
STA 40+49.00, 20.5'LT	1	1	---	---	---
STA 42+05.00, 20.5'LT	1	1	---	---	---
STA 43+69.00, 20.5'LT	1	1	---	---	---
STA 44+94.00, 20.5'LT	1	1	---	---	---
STA 46+34.00, 20.5'LT	1	1	---	---	---
STA 47+81.00, 20.5'LT	1	1	---	---	---
STA 49+27.00, 20.5'LT	1	1	---	---	---
STA 50+87.00, 20.5'LT	1	1	---	---	---
STA 52+47.00, 20.5'LT	1	1	---	---	---
STA 53+82.00, 20.5'LT	1	1	---	---	---
STA 55+17.00, 20.5'LT	1	1	---	---	---
STA 56+15.00, 20.5'LT	1	1	---	---	---
STA 57+75.00, 20.5'LT	1	1	---	---	---
STA 59+35.00, 20.5'LT	1	1	---	---	---
STA 60+85.00, 20.5'LT	1	1	---	---	---
STA 61+85.00, 20.5'LT	1	1	---	---	---
STA 62+94.00, 20.5'LT	1	1	---	---	---
STA 64+02.00, 20'RT	1	1	---	---	---
STA 65+19.00, 20'RT	1	1	---	---	---
STA 66+35.00, 20'RT	1	1	---	---	---
STA 67+77.00, 20'RT	1	1	---	---	---
STA 69+34.00, 22'RT	1	1	---	---	---
TOTAL	42	42	1	1	1

ALL QUANTITIES ARE CATEGORY 0010 EXCEPT AS NOTED

LIGHTING SERVICE A - WIRE

LOCATION FROM	LOCATION TO	655.0635 ELECTRICAL WIRE LIGHTING 2 AWG LF	655.0635 ELECTRICAL WIRE LIGHTING 2 AWG GROUND LF	655.0630 ELECTRICAL WIRE LIGHTING 4 AWG LF	655.0630 ELECTRICAL WIRE LIGHTING 4 AWG GROUND LF	652.0225 RIGID NON-METALLIC SCHEDULE 40 2-INCH LF
STA 34+90.00, 25'LT	STA 34+90.00, 20'LT	68	17	---	---	20
STA 34+90.00, 20'LT	STA 35+69.00, 20.5'LT	412	103	---	---	79
STA 35+69.00, 20.5'LT	STA 37+29.00, 20.5'LT	688	172	---	---	160
STA 37+29.00, 20.5'LT	STA 38+06.00, 20'LT	344	86	---	---	77
STA 38+06.00, 20'LT	STA 38+68.00, 20'LT	260	65	---	---	62
STA 38+68.00, 20'LT	STA 38+89.00, 20.5'LT	108	27	---	---	21
STA 38+89.00, 20.5'LT	STA 40+49.00, 20.5'LT	688	172	---	---	160
STA 40+49.00, 20.5'LT	STA 42+05.00, 20.5'LT	672	168	---	---	156
STA 42+05.00, 20.5'LT	STA 42+10.00, 20'LT	56	14	---	---	5
STA 42+10.00, 20'LT	STA 42+60.00, 20'LT	212	53	---	---	50
STA 42+60.00, 20'LT	STA 43+69.00, 20.5'LT	460	115	---	---	109
STA 43+69.00, 20.5'LT	STA 44+94.00, 20.5'LT	548	137	---	---	125
STA 44+94.00, 20.5'LT	STA 46+34.00, 20.5'LT	600	150	---	---	140
STA 46+34.00, 20.5'LT	STA 47+81.00, 20.5'LT	636	159	---	---	147
STA 47+81.00, 20.5'LT	STA 48+50.00, 20'LT	312	78	---	---	69
STA 48+50.00, 20'LT	STA 49+19.00, 20'LT	284	71	---	---	69
STA 49+19.00, 20'LT	STA 49+27.00, 20.5'LT	60	15	---	---	8
STA 49+27.00, 20.5'LT	STA 50+87.00, 20.5'LT	688	172	---	---	160
STA 50+87.00, 20.5'LT	STA 51+74.00, 20'LT	384	96	---	---	87
STA 51+74.00, 20'LT	STA 52+45.00, 23'LT	296	74	---	---	71
STA 52+45.00, 23'LT	STA 52+47.00, 20.5'LT	32	8	---	---	2
STA 52+47.00, 20.5'LT	STA 53+82.00, 20.5'LT	588	147	---	---	135
STA 53+82.00, 20.5'LT	STA 55+17.00, 20.5'LT	588	147	---	---	135
STA 55+17.00, 20.5'LT	STA 55+17.00, 24'LT	36	9	---	---	2
STA 55+17.00, 24'LT	STA 56+11.00, 20'LT	388	97	---	---	94
STA 56+11.00, 20'LT	STA 56+15.00, 20.5'LT	40	10	---	---	4
STA 56+15.00, 20.5'LT	STA 57+75.00, 20.5'LT	688	172	---	---	160
STA 57+75.00, 20.5'LT	STA 58+65.00, 20'LT	936	99	---	---	90
STA 58+65.00, 20'LT	STA 59+30.00, 20'LT	272	68	---	---	65
STA 59+30.00, 20'LT	STA 59+35.00, 20.5'LT	44	11	---	---	5
STA 59+35.00, 20.5'LT	STA 60+85.00, 20.5'LT	648	162	---	---	150
STA 60+85.00, 20.5'LT	STA 61+85.00, 20.5'LT	448	112	---	---	100
STA 61+85.00, 20.5'LT	STA 62+94.00, 20.5'LT	484	121	---	---	109
STA 62+94.00, 20.5'LT	STA 63+70.00, 20'LT	340	85	---	---	76
STA 63+70.00, 20'LT	STA 63+96.00, 20'RT	212	53	---	---	50
STA 63+96.00, 20'RT	STA 64+02.00, 20.5'RT	92	23	---	---	17
STA 64+02.00, 20.5'RT	STA 65+19.00, 20.5'RT	516	129	---	---	117
STA 65+19.00, 20.5'RT	STA 66+35.00, 20.5'RT	512	128	---	---	116
STA 66+35.00, 20.5'RT	STA 67+77.00, 20.5'RT	616	154	---	---	142
STA 67+77.00, 20.5'RT	STA 69+34.00, 20.5'RT	338	169	---	---	157
STA 34+90.00, 25'LT	STA 34+90.00, 20'LT	---	---	68	17	20
STA 34+90.00, 20'LT	STA 34+25.00, 20.5'LT	---	---	284	71	65
STA 34+25.00, 20.5'LT	STA 33+47.00, 20'LT	---	---	348	87	78
STA 33+47.00, 20'LT	STA 32+85.00, 20'LT	---	---	260	65	62
STA 32+85.00, 20'LT	STA 32+81.00, 20.5'LT	---	---	44	11	5
STA 32+81.00, 20.5'LT	STA 31+57.00, 31'LT	---	---	556	139	120
STA 31+57.00, 31'LT	STA 10'LS'+43.00, 27'RT	---	---	188	47	35
STA 10'LS'+43.00, 27'RT	STA 10'LS'+34.00, 30'RT	---	---	72	18	9

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ALL QUANTITIES ARE CATEGORY 0010

CONTINUED FROM PREVIOUS PAGE

LIGHTING SERVICE A - WIRE

LOCATION FROM	LOCATION TO	655.0635 ELECTRICAL WIRE LIGHTING 2 AWG LF	655.0635 ELECTRICAL WIRE LIGHTING 2 AWG GROUND LF	655.0630 ELECTRICAL WIRE LIGHTING 4 AWG LF	655.0630 ELECTRICAL WIRE LIGHTING 4 AWG GROUND LF	652.0225 RIGID NON-METALLIC SCHEDULE 40 2-INCH LF
STA 34+90.00, 25'LT	STA 34+90.00, 20'LT	68	17	---	---	20
STA 10'LS'+34.00, 30'RT	STA 30+58.00, 24'LT	---	---	332	83	80
STA 30+58.00, 24'LT	STA 9'LS'+60.00, 29'LT	---	---	166	83	80
STA 9'LS+60.00, 29'LT	STA 9'LS'+57.00, 27'LT	---	---	22	11	5
STA 9'LS'+57.00, 27'LT	STA 9'LS'+60.00, 29'LT	---	---	22	---	0
STA 9'LS'+60.00, 29'LT	STA 38+58.00, 24'LT	---	---	166	---	0
STA 38+58.00, 24'LT	STA 30+55.00, 20.5'LT	---	---	36	9	3
STA 30+55.00, 20.5'LT	STA 29+14.00, 20.5'LT	---	---	612	153	141
STA 29+14.00, 20.5'LT	STA 27+74.00, 20.5'LT	---	---	608	152	140
STA 27+74.00, 20.5'LT	STA 27+70.00, 22'LT	---	---	52	13	4
STA 27+70.00, 22'LT	STA 27+10.00, 20'LT	---	---	252	63	60
STA 27+10.00, 20'LT	STA 26+14.00, 20.5'LT	---	---	408	102	96
STA 26+14.00, 20.5'LT	STA 24+60.00, 20.5'LT	---	---	664	166	154
STA 24+60.00, 20.5'LT	STA 23+77.00, 20'LT	---	---	344	86	83
STA 23+77.00, 20'LT	STA 23+12.00, 22'LT	---	---	272	68	65
STA 23+12.00, 22'LT	STA 23+07.00, 20.5'LT	---	---	44	11	5
STA 23+07.00, 20.5'LT	STA 21+80.00, 20.5'LT	---	---	556	139	127
STA 21+80.00, 20.5'LT	STA 21+61.00, 20'LT	---	---	512	128	119
STA 21+61.00, 20'LT	STA 20+00.00, 23'LT	---	---	256	64	61
STA 20+00.00, 23'LT	STA 19+95.00, 20.5'LT	---	---	44	11	5
STA 19+95.00, 20.5'LT	STA 18+35.00, 20.5'LT	---	---	688	172	160
STA 18+35.00, 20.5'LT	STA 17+40.00, 20'LT	---	---	416	104	95
STA 17+40.00, 20'LT	STA 16+80.00, 20'LT	---	---	252	63	60
STA 16+80.00, 20'LT	STA 16+75.00, 20.5'LT	---	---	44	11	5
STA 16+75.00, 20.5'LT	STA 15+45.00, 20.5'LT	---	---	568	142	130
STA 15+45.00, 20.5'LT	STA 14+54.00, 20'LT	---	---	206	103	91
		15594	**3848**	**9362**	**2392**	
TOTAL		**19442**		**11754**		**5664**

ALL QUANTITIES ARE CATEGORY 0010

LIGHTING SERVICE B

STATION	SPV.0060.04 DECORATIVE LIGHTING ASSEMBLY TYPE A LED EACH	SPV.0060.05 DECORATIVE LIGHT ASSEMBLY TYPE A CONCRETE BASE EACH	SPV.0060.08 LIGHTING CONTROL CABINET B EACH	SPV.0060.09 CONCRETE BASE FOR CONTROL CABINET B EACH	CAT. CODE 0020 656.0200 ELECTRIC SERVICE METER BREAKER PEDESTAL EACH
STA 10+35.00, 25'LT	---	---	1	1	1
STA 10+68.00, 20.5'LT	1	1	---	---	---
STA 11+80.00, 20.5'LT	1	1	---	---	---
STA 12+92.00, 20.5'LT	1	1	---	---	---
STA 13+84.00, 20.5'LT	1	1	---	---	---
TOTAL	4	4	1	1	1

LIGHTING SERVICE B - WIRE

LOCATION FROM	LOCATION TO	655.0615 ELECTRICAL WIRE LIGHTING 10 AWG LF	655.0615 ELECTRICAL WIRE LIGHTING 10 AWG GROUND LF	652.0225 RIGID NON-METALLIC SCHEDULE 40 2-INCH LF
STA 10+35.00, 25'LT	STA 10+35.00, 20'LT	68	17	40
STA 10+35.00, 20'LT	STA 10+68.00, 20.5'LT	156	39	33
STA 10+68.00, 20.5'LT	STA 11+80.00, 20.5'LT	496	124	112
STA 11+80.00, 20.5'LT	STA 12+92.00, 20.5'LT	496	124	112
STA 12+92.00, 20.5'LT	STA 13+02.00, 20'LT	36	18	10
STA 13+02.00, 20'LT	STA 13+78.00, 20'LT	158	79	76
STA 13+78.00, 20'LT	STA 13+84.00, 20.5'LT	24	12	6
		1434	413	
TOTAL		1847		389

LIGHTING PULL BOXES

STATION	PULL BOX NUMBER	653.0140 PULL BOX STEEL 24 X 42 INCH EACH
STA 34+90.00, 20'LT	PB1	1
STA 38+06.00, 20'LT	PB2	1
STA 38+68.00, 20'LT	PB3	1
STA 42+10.00, 22'LT	PB4	1
STA 42+60.00, 20'LT	PB5	1
STA 48+50.00, 20'LT	PB6	1
STA 49+19.00, 20'LT	PB7	1
STA 51+74.00, 20'LT	PB8	1
STA 52+45.00, 23'LT	PB9	1
STA 55+17.00, 24'LT	PB10	1
STA 56+11.00, 20'LT	PB11	1
STA 58+65.00, 20'LT	PB12	1
STA 59+30.00, 20'LT	PB13	1
STA 63+70.00, 20'LT	PB14	1
STA 63+96.00, 20'RT	PB15	1
STA 33+47.00, 20'LT	PB16	1
STA 32+85.00, 20'LT	PB17	1
STA 10'LS'+34.00, 30'LT	PB18	1
STA 30+58.00, 24'LT	PB19	1
STA 9'LS'+60.00, 29'LT	PB20	1
STA 27+70.00, 22'LT	PB21	1
STA 27+10.00, 20'LT	PB22	1
STA 23+77.00, 20'LT	PB23	1
STA 23+12.00, 22'LT	PB24	1
STA 20+61.00, 20'LT	PB25	1
STA 20+00.00, 23'LT	PB26	1
STA 17+40.00, 20'LT	PB27	1
STA 16+80.00, 20'LT	PB28	1
STA 13+78.00, 20'LT	PB29	1
STA 13+02.00, 20'LT	PB30	1
STA 10+35.00, 20'LT	PB31	1
TOTAL		31

ALL QUANTITIES ARE CATEGORY 0010 EXCEPT AS NOTED

CONSTRUCTION STAKING

STATION - STATION	650.4000 STORM SEWER EACH	650.4500 SUBGRADE LF	650.5000 BASE LF	650.5500 CURB GUTTER AND CURB & GUTTER LF	650.7000 CONCRETE PAVEMENT LF	650.8500 ELECTRICAL INSTALLATIONS LS	650.9910 SUPPLEMENTAL CONTROL LS	650.9920 SLOPE STAKES LF
PROJECT 4996-01-56	---	---	---	---	---	1	1	---
10+98 - 14+06	---	308	---	---	308	---	---	616
13+95	3	---	---	---	---	---	---	---
14+05	1	---	---	---	---	---	---	---
14+06 - 14+22	---	16	16	17	---	---	---	32
14+33 - 14+49	---	16	16	17	---	---	---	32
14+49 - 30+89	---	1,640	---	---	1,640	---	---	3,280
14+56	2	---	---	---	---	---	---	---
16+76	1	---	---	---	---	---	---	---
16+88	2	---	---	---	---	---	---	---
17+35	1	---	---	---	---	---	---	---
20+27	1	---	---	---	---	---	---	---
20+37	1	---	---	---	---	---	---	---
20+47	1	---	---	---	---	---	---	---
20+67	3	---	---	---	---	---	---	---
20+77	2	---	---	---	---	---	---	---
20+87	1	---	---	---	---	---	---	---
21+13	1	---	---	---	---	---	---	---
23+72	3	---	---	---	---	---	---	---
23+82	1	---	---	---	---	---	---	---
27+30	1	---	---	---	---	---	---	---
28+80	1	---	---	---	---	---	---	---
28+90	1	---	---	---	---	---	---	---
29+00	3	---	---	---	---	---	---	---
29+10	2	---	---	---	---	---	---	---
30+30	1	---	---	---	---	---	---	---
30+46	1	---	---	---	---	---	---	---
31+44 - 70+59	---	3,915	---	---	3,915	---	---	7,830
31+49	1	---	---	---	---	---	---	---
32+82	3	---	---	---	---	---	---	---
34+00	1	---	---	---	---	---	---	---
35+15	1	---	---	---	---	---	---	---
35+25	3	---	---	---	---	---	---	---
37+75	1	---	---	---	---	---	---	---
37+90	1	---	---	---	---	---	---	---
38+00	3	---	---	---	---	---	---	---
39+24	2	---	---	---	---	---	---	---
39+26	1	---	---	---	---	---	---	---
39+30	3	---	---	---	---	---	---	---
39+76	2	---	---	---	---	---	---	---
41+60	1	---	---	---	---	---	---	---
42+00	3	---	---	---	---	---	---	---
42+53	1	---	---	---	---	---	---	---
44+08	2	---	---	---	---	---	---	---
45+90	---	---	---	6	---	---	---	---
46+20	---	---	---	6	---	---	---	---
47+47	---	---	---	4	---	---	---	---
47+77	---	---	---	4	---	---	---	---
48+45	3	---	---	---	---	---	---	---
48+98	1	---	---	---	---	---	---	---
49+65	1	---	---	---	---	---	---	---
49+82	1	---	---	---	---	---	---	---
50+07	1	---	---	---	---	---	---	---
50+09	1	---	---	---	---	---	---	---
50+27	1	---	---	---	---	---	---	---
51+70	1	---	---	---	---	---	---	---

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ALL QUANTITIES ARE CATEGORY 0020

FILE NAME: l:\work\60164548\000_cadd\civil\030203_mq.dgn
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PRINTER DRIVER: L:\library\TPN_CADstds\Workspace-Clients\WisDOT\Microstation\Resources\MS_Printing\Printer_Drivers\ET_PDF_11 x 17.plt
PEN TABLE: L:\work\60164548\000_CADD\CIVIL\MS_Printing\Pen_Tables\ET_WisDOT.tbl
PLOT DATE: 10/26/2012
PLOT TIME: 12:50:57 PM
PLOT SCALE: 1:2
WISDOT/CADDS SHEET 43

CONTINUED FROM PREVIOUS PAGE

CONSTRUCTION STAKING

STATION - STATION	650.4000 STORM SEWER EACH	650.4500 SUBGRADE LF	650.5000 BASE LF	650.5500 CURB GUTTER AND CURB & GUTTER LF	650.7000 CONCRETE PAVEMENT LF	650.8500 ELECTRICAL INSTALLATIONS LS	650.9910 SUPPLEMENTAL CONTROL LS	650.9920 SLOPE STAKES LF
51+97	1	---	---	---	---	---	---	---
52+10	1	---	---	---	---	---	---	---
55+10	3	---	---	---	---	---	---	---
55+94	1	---	---	---	---	---	---	---
58+45	2	---	---	---	---	---	---	---
58+69	1	---	---	---	---	---	---	---
58+73	2	---	---	---	---	---	---	---
59+08	1	---	---	---	---	---	---	---
61+00	3	---	---	---	---	---	---	---
63+66	3	---	---	---	---	---	---	---
65+92	1	---	---	---	---	---	---	---
66+00	1	---	---	---	---	---	---	---
66+98	2	---	---	---	---	---	---	---
67+04	2	---	---	---	---	---	---	---
10'A'+22 - 10'A'+62	---	40	---	---	---	---	---	80
10'A'+22 - 10'A'+52	---	---	---	---	30	---	---	---
10'A'+52 - 10'A'+62	---	---	10	---	---	---	---	---
10'B'+21 - 11'B'+50	---	129	---	---	---	---	---	258
10'B'+21 - 10'B'+35	---	---	---	---	14	---	---	---
10'B'+35 - 11'B'+50	---	---	115	---	---	---	---	---
10'C'+21 - 11'C'+25	---	104	---	---	---	---	---	208
10'C'+21 - 10'C'+34	---	---	---	---	13	---	---	---
10'C'+34 - 11'C'+25	---	---	91	---	---	---	---	---
10'H'+21 - 11'H'+25	---	104	---	---	---	---	---	208
10'H'+21 - 10'H'+34	---	---	---	---	13	---	---	---
10'H'+34 - 11'H'+25	---	---	91	---	---	---	---	---
10'D'+22 - 11'D'+20	---	98	---	---	---	---	---	196
10'D'+22 - 10'D'+45	---	---	---	---	23	---	---	---
10'D'+45 - 11'D'+20	---	---	75	---	---	---	---	---
6'LS'+92 - 13'LS'+08	---	616	---	---	---	---	---	1,232
6'LS'+92 - 8'LS'+25	---	---	133	---	---	---	---	---
7'LS'+44	3	---	---	---	---	---	---	---
8'LS'+25 - 11'LS'+15	---	---	---	---	290	---	---	---
9'LS'+33	3	---	---	---	---	---	---	---
10'LS'+70	2	---	---	---	---	---	---	---
11'LS'+15 - 13'LS'+08	---	---	193	---	---	---	---	386
10'K'+21 - 11'K'+10	---	89	---	---	---	---	---	178
10'K'+21 - 10'K'+35	---	---	---	---	14	---	---	---
10'K'+35 - 11'K'+10	---	---	75	---	---	---	---	---
10'F'+21 - 11'F'+10	---	89	---	---	---	---	---	178
10'F'+21 - 10'F'+35	---	---	---	---	14	---	---	---
10'F'+35 - 11'F'+10	---	---	75	---	---	---	---	---
10'G'+21 - 11'G'+10	---	89	---	---	---	---	---	178
10'G'+21 - 10'G'+35	---	---	---	---	14	---	---	---
10'G'+35 - 11'G'+10	---	---	75	---		---	---	---
8'J'+90 - 9'J'+80	---	90	---	---	90	---	---	180
10'E'+21 - 10'E'+42	---	21	---	---	21	---	---	42
8'L'+88 - 9'L'+66	---	---	78	---	---	---	---	---
8'L'+88 - 9'L'+79	---	91	---	---	---	---	---	182
9'L'+66 - 9'L'+79	---	---	---	---	13	---	---	---
10'R'+21 - 10'R'+40	---	19	---	---	19	---	---	38
10'HC'+21 - 10'HC'+40	---	19	---	---	19	---	---	38
8'M'+90 - 9'M'+79	---	89	---	---	89	---	---	178
10'N'+21 - 11'N'+38	---	117	---	---	---	---	---	234
10'N'+21 - 10'N'+35	---	---	---	---	14	---	---	---
10'N'+35 - 11'N'+38	---	---	103	---	---	---	---	---
10'P'+21 - 11'P'+89	---	168	---	---	---	---	---	336
10'P'+21 - 10'P'+38	---	---	---	---	17	---	---	---
10'P'+38 - 11'P'+89	---	---	151	---	---	---	---	---
10'Q'+12 - 11'Q'+55	---	143	---	---	---	---	---	286
10'Q'+55	1	---	---	---	---	---	---	---
10'Q'+61	1	---	---	---	---	---	---	---
14'Q'+20	1	---	---	---	---	---	---	---
18'Q'+20	1	---	---	---	---	---	---	---
TOTAL	**109**	**8,010**	**1,297**	**54**	**6,570**	**1**	**1**	**16,406**

ALL QUANTITIES ARE CATEGORY 0020

SAWING PAVEMENT

STATION	-	STATION	LOCATION	690.0150 SAWING ASPHALT LF	690.0250 SAWING CONCRETE LF
10+95			EISNER AVE	---	37
11+13	-	11+69	LT, DRIVEWAY	56	---
12+08	-	12+28	LT, DRIVEWAY	---	22
15+54	-	15+63	LT, DRIVEWAY	---	10
16+25	-	16+40	RT, DRIVEWAY	---	16
19+50	-	19+85	RT, DRIVEWAY	35	---
21+57	-	21+91	RT, DRIVEWAY	34	---
21+67	-	21+77	LT, DRIVEWAY	---	10
22+24	-	22+41	LT, DRIVEWAY	---	17
23+84	-	24+29	RT, DRIVEWAY	46	---
24+61	-	24+77	LT, DRIVEWAY	---	16
25+75	-	25+86	LT, DRIVEWAY	10	---
26+48	-	26+70	RT, DRIVEWAY	21	---
28+39	-	28+53	LT, DRIVEWAY	18	---
28+72	-	28+93	RT, DRIVEWAY	21	---
32+50	-	32+53	LT, SIDEWALK	---	3
32+84	-	33+26	RT, DRIVEWAY	42	---
33+70	-	33+73	LT, SIDEWALK	---	3
35+03	-	35+14	LT, DRIVEWAY	10	---
35+42	-	35+43	LT, SIDEWALK	---	2
35+70	-	35+80	LT, DRIVEWAY	10	---
36+15	-	36+38	RT, DRIVEWAY	23	---
36+22	-	36+24	LT, SIDEWALK	---	2
36+48	-	36+58	LT, DRIVEWAY	10	---
39+28	-	39+51	RT, DRIVEWAY	24	---
40+52	-	40+68	LT, DRIVEWAY	---	16
41+51	-	41+65	LT, DRIVEWAY	13	---
42+01	-	42+24	RT, DRIVEWAY	---	23
44+21	-	44+30	LT, DRIVEWAY	---	10
45+91	-	46+20	RT, DRIVEWAY	30	5
46+05	-	46+28	LT, DRIVEWAY	23	---
47+46	-	47+77	RT, DRIVEWAY	30	5
51+74	-	51+92	RT, DRIVEWAY	18	---
52+63	-	52+79	RT, DRIVEWAY	---	16
53+59	-	53+79	RT, DRIVEWAY	---	20
54+59	-	54+91	RT, DRIVEWAY	41	---
56+53	-	56+67	RT, DRIVEWAY	14	---
61+29	-	62+02	RT, DRIVEWAY	121	---
62+50	-	62+86	RT, DRIVEWAY	36	---
62+65	-	62+84	LT, DRIVEWAY	22	---
68+63	-	68+75	LT, DRIVEWAY	12	---
69+04	-	69+20	RT, DRIVEWAY	---	16
69+79	-	69+96	RT, DRIVEWAY	---	16
70+59			N 8TH ST	---	41
10'A'+62			N 20TH PL	29	---
11'B'+17	-	11'B'+32	LT, DRIVEWAY	---	15
11'B'+50			N 20TH ST	20	---
10'C'+79	-	10'C'+97	RT, DRIVEWAY	---	18
11'C'+25			N 19TH ST	27	---
10'H'+70	-	10'H'+86	RT, DRIVEWAY	---	16

SAWING PAVEMENT

STATION	-	STATION	LOCATION	690.0150 SAWING ASPHALT LF	690.0250 SAWING CONCRETE LF
10'H'+73	-	10'H'+93	LT, DRIVEWAY	---	16
11'H'+25			HUBERT CR	21	---
11'D'+20			N 17TH ST	20	---
11'D'+20	-	11'D'+30	RT, DRIVEWAY	10	---
6'LS'+92			CTH LS/LAKESHORE DR	---	51
10'LS'+42	-	10'LS'+58	RT, DRIVEWAY	---	16
11'LS'+21	-	11'LS'+31	RT, DRIVEWAY	10	---
11'LS'+56	-	11'LS'+70	RT, DRIVEWAY	14	---
11'LS'+66	-	11'LS'+75	LT, DRIVEWAY	8	---
12'LS'+13	-	12'LS'+36	RT, DRIVEWAY	23	---
12'LS'+29	-	12'LS'+49	LT, DRIVEWAY	20	---
12'LS'+86	-	13'LS'+05	LT, DRIVEWAY	20	---
13'LS'+08			CTH LS/LAKESHORE DR	---	31
11'K'+10			KOEHLER DR	23	---
11'F'+10			N 14TH ST	21	---
11'G'+10			N 13TH ST	20	---
8'J'+90			N 13TH ST	---	42
10'E'+42			N 12TH ST	---	37
8'L'+87			N 12TH ST	22	---
10'R'+40			ROSEWOOD CT	---	37
10'HC'+40			HIGHCLIFF CT	---	61
8'M'+90			N 10TH ST	---	41
11'N'+38			N 10TH ST	21	---
11'P'+89			N 8TH ST	24	---
11'Q'+55			EISNER AVE	24	---
TOTAL				1,097	687

EXCAVATION OF PHRAGMITES CONTAMINATED SOIL

STATION	-	STATION	SPV.0035.01 CY
65+28, RT	-	66+58, RT	195
TOTAL			195

EXCAVATION, HAULING, AND DISPOSAL OF CONTAMINATED SOIL

STATION	-	STATION	SPV.0195.01 TON
13+95, 17.5'RT	-	14+05, 29.0' RT	14
TOTAL			14

ALL QUANTITIES ARE CATEGORY 0020

3

EXPOSING EXISTING WATER SERVICE

STATION	LOCATION	SPV.0060.01 EACH
10'C'+75	14' LT	1
21+35	18' LT	1
TOTAL		2

WATER SERVICE

STATION	LOCATION	SPV.0060.05 1-INCH LF	SPV.0090.06 1 1/2-INCH LF
18+40	LT	10	---
34+65	LT	---	10
35+35	LT	10	---
37+65	LT	---	10
TOTAL		20	20

3

ALL QUANTITIES ARE CATEGORY 0020

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PLOT TIME: 12:50:59 PM
PLOT SCALE: 1:2
WISDOT/CADDS SHEET 43

TRANSPORTATION PROJECT PLAT NO: 4996-01-56 - 4.01

EISNER AVENUE RECONSTRUCTION PROJECT PLAT

PART OF LOT 5 RIVERS EDGE SUBDIVISION, LOCATED IN THE SE 1/4 OF THE NW 1/4 OF SECTION 10, T.15N., R.23E., CITY OF SHEBOYGAN, SHEBOYGAN COUNTY, WISCONSIN

SCHEDULE OF LANDS AND INTERESTS REQUIRED

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	FEE REQ'D.	P.L.E. SQ. FT. REQ'D.	T.L.E. SQ. FT. REQ'D.
1	ROGER J. & BARBARA SCHEUREN	T.L.E.	——	——	160

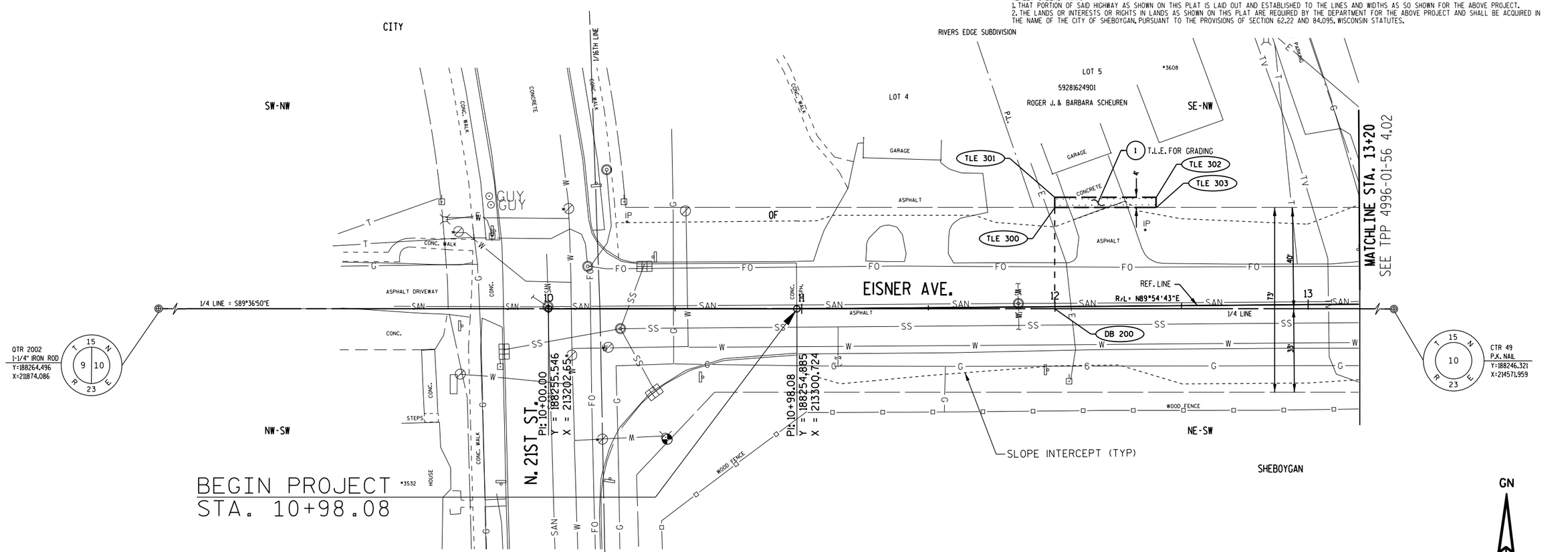
OWNERS' NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

THE RIGHT-OF-WAY LINES OF EISNER AVENUE ARE BASED ON TOWN OF SHEBOYGAN ROAD RECORDS AND THE PLAT OF RIVERS EDGE SUBDIVISION.

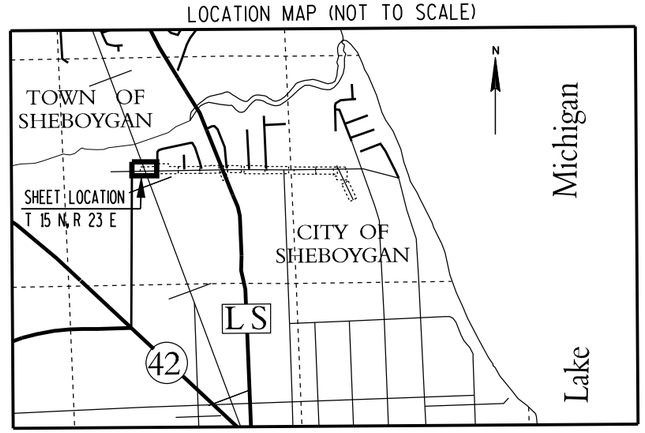
RELOCATION ORDER THE CITY OF SHEBOYGAN EISNER AVENUE RECONSTRUCTION SHEBOYGAN COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF SHEBOYGAN DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, WISCONSIN STATUTES, THE CITY OF SHEBOYGAN HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF SHEBOYGAN, PURSUANT TO THE PROVISIONS OF SECTION 62.22 AND 84.095, WISCONSIN STATUTES.



LOCATION MAP (NOT TO SCALE)



GN

0' 10' 20' 40'
SCALE

COURSE TABLE

FROM - TO	BEARING	DISTANCE
OTR 2002 - CTR 49	S89°36'50"E	2697.93'
OTR 2002 - DB 200	S89°36'50"E	1528.58'
DB 200 - TLE 300	N00°23'10"E	40.00'
TLE 300 - TLE 301	N00°23'10"E	4.00'
TLE 301 - TLE 302	S89°36'50"E	40.00'
TLE 302 - TLE 303	S00°23'10"W	4.00'

STATION, OFFSET AND COORDINATE TABLE

POINT	STATION	OFFSET	Y	X
DB 200	11+99.98	0.84 R	188254.199	213402.632
TLE 300	12+00.31	39.16 L	188294.198	213402.902
TLE 301	12+00.35	43.16 L	188298.198	213402.929
TLE 302	12+40.35	42.82 L	188297.928	213442.928
TLE 303	12+40.31	38.82 L	188293.928	213442.901

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF REGISTER OF DEEDS IN SHEBOYGAN COUNTY AS SHEET 2 OF 2 OF DOCUMENT NO.0000000 AND FILED IN CABINET 1, ENVELOPE 000.

PREPARED BY: AECOM
4135 TECHNOLOGY PARKWAY
SHEBOYGAN, WI 53083
T 920-458-8711 WWW.AECOM.COM

I, KENNETH R. WOLF, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF SHEBOYGAN, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 4996-01-56- 4.01 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN KENNETH R. WOLF S-1421 SHEBOYGAN, WISCONSIN LAND SURVEYOR

(SIGNATURE) Kenneth R. Wolf DATE 7/30/12

(PRINTED NAME) KENNETH R. WOLF

(REGISTRATION NUMBER) S-1421

THIS PLAT IS APPROVED FOR THE CITY OF SHEBOYGAN

(SIGNATURE) _____ DATE _____

(PRINTED NAME) _____
CLERK

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 4996-01-56
AMENDMENT NO:

ACCEPTED FOR RECORDING AND FILING IN THE OFFICE OF THE REGISTER OF DEEDS IN SHEBOYGAN COUNTY, WISCONSIN AT ..:.. .M ON _____ AS DOCUMENT #_____ AND FILED IN _____

_____
SIGNATURE OF REGISTER OF DEEDS

FILE NAME : L:\work\60164548\000_CADD\SURVEY\RW PLAT\SHEETS\040101_rp.dgn
APPRAISAL PLAT DATE :
PLOT DATE : 7/26/2012 PLOT BY : Chris LaHaye PLOT NAME : PLOT SCALE : 1:40

4.01

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

TRANSPORTATION PROJECT PLAT TITLE SHEET

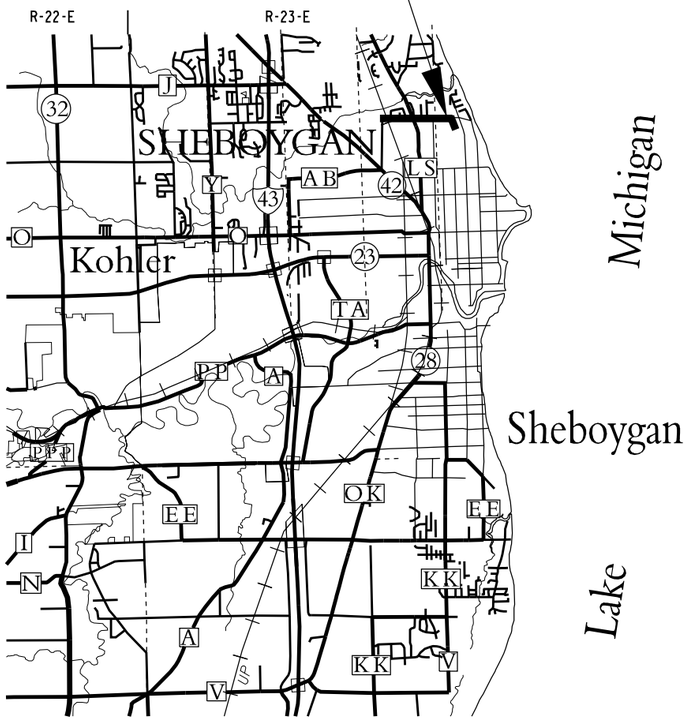
4996-01-56

NORTH 21ST STREET - NORTH 8TH STREET

EISNER AVENUE, CITY AND TOWN OF SHEBOYGAN
SHEBOYGAN COUNTY



PROJECT LOCATION



LAYOUT
SCALE 0 1 MI.

N

CONVENTIONAL ABBREVIATIONS

ACRES	AC.	REFERENCE LINE	R/L
CENTERLINE	C/L	RIGHT-OF-WAY	R/W
CERTIFIED SURVEY MAP	CSM	SECTION	SEC.
CORNER	COR.	STATION	STA.
DOCUMENT	DOC.	VOLUME	V.
EASEMENT	EASE.		
MONUMENT	MON.		
PAGE	P.		
PROPERTY LINE	P.L.		
RECORDED AS	(100')		
PERMANENT LIMITED EASEMENT	PLE		
TEMPORARY LIMITED EASEMENT	TLE		

CURVE DATA

LONG CHORD	LCH
LONG CHORD BEARING	LCB
RADIUS	R
DEGREE OF CURVE	D
CENTRAL ANGLE OR DELTA	DELTA
LENGTH OF CURVE	L
TANGENT	TAN

CONVENTIONAL SYMBOLS

FOUND IRON PIPE/PIN	IP ● (1" UNLESS NOTED)	EXISTING R/W LINE	
R/W MONUMENT	○ ● (SET)	EXISTING H.E. LINE	
R/W STANDARD	△ ▲ (SET)	PROPERTY LINE	
SECTION CORNER MONUMENT	◎	LOT & TIE LINES	
SECTION CORNER SYMBOL	SECTION CORNER MONUMENT	SECTION LINE	
		QUARTER LINE	
BOUNDARY POINT	PLE 701	SIXTEENTH LINE	
TIE POINT	DB 6000	EXISTING CENTERLINE	
R/W BOUNDARY POINT	PRW 6000	PROPOSED REFERENCE LINE	
BUILDING		PARALLEL OFFSET	
PARCEL NUMBER	20	FEE (HATCH VARIES)	
UTILITY PARCEL NUMBER	92	TEMPORARY LIMITED EASEMENT	
ADJOINING LANDS WITH SAME OWNER		PERMANENT LIMITED EASEMENT	
LOT, TIE AND OTHER MINOR DASHED LINES		CORPORATE LIMITS	
		SLOPE INTERCEPTS	

CONVENTIONAL UTILITY SYMBOLS

WATER	W	
GAS	G	
TELEPHONE	T	
OVERHEAD TRANSMISSION LINES ELECTRIC	OH	
	E	
CABLE TELEVISION	TV	
FIBER OPTIC	FO	
SANITARY SEWER	SAN	
STORM SEWER	SS	
	NON COMPENSABLE	COMPENSABLE
POWER POLE		
TELEPHONE POLE		
TELEPHONE PEDESTAL		
ELECTRIC TOWER		

NOTES:

COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, SHEBOYGAN COUNTY ZONE, NAD 83/91 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 AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

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.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREON IS BASED ON THE LOCATION OF THE EAST - WEST QUARTER SECTION LINE OF SECTIONS 10 AND 11, THE ROAD RECORDS OF THE TOWN OF SHEBOYGAN AND VARIOUS SUBDIVISION PLATS ADJACENT TO EISNER AVENUE.

A **TEMPORARY LIMITED EASEMENT** (TLE) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM NECESSARY OR DESIRABLE. ALL TLEs ARE TO TERMINATE ON THE DATE THE CONSTRUCTION OF THIS PROJECT IS COMPLETED.

A **PERMANENT LIMITED EASEMENT** (PLE) IS A RIGHT FOR CONSTRUCTION AND MAINTENANCE PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM NECESSARY OR DESIRABLE, BUT WITHOUT PREJUDICE TO THE OWNER'S RIGHT TO MAKE OR CONSTRUCT IMPROVEMENT ON SAID LANDS OR TO FLATTEN THE SLOPES, PROVIDING SAID ACTIVITIES WILL NOT IMPAIR OR OTHERWISE ADVERSELY AFFECT THE HIGHWAY FACILITIES.

DIMENSIONING FOR THE NEW RIGHT-OF-WAY IS MEASURED ALONG AND PERPENDICULAR TO NEW REFERENCE LINES.

RESERVED FOR REGISTER OF DEEDS
TPP NUMBER 4996-01-56 - 4.01
SHEET 2 OF 2
AMENDMENT NO: 152

TRANSPORTATION PROJECT PLAT NO: 4996-01-56 - 4.02

EISNER AVENUE RECONSTRUCTION PROJECT PLAT

PART OF THE SE 1/4 OF THE NW 1/4 AND PART OF LOT 1, BLOCK 4, MEYER'S MANOR HEIGHTS SUBD., LOCATED IN THE SE 1/4 OF THE NW 1/4, SECTION 10, T.15N., R.23E., TOWN OF SHEBOYGAN AND PART OF LOTS 2 & 3, BLOCK 2, MEYER'S MANOR HEIGHTS SUBDIVISION, LOCATED IN THE SE 1/4 OF THE NW 1/4, AND PART OF THE NE 1/4 OF THE SW 1/4, SECTION 10, T.15N., R.23E., CITY OF SHEBOYGAN, SHEBOYGAN COUNTY, WISCONSIN

RELOCATION ORDER THE CITY OF SHEBOYGAN EISNER AVENUE RECONSTRUCTION SHEBOYGAN COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF SHEBOYGAN DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, WISCONSIN STATUTES, THE CITY OF SHEBOYGAN HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF SHEBOYGAN, PURSUANT TO THE PROVISIONS OF SECTION 62.22 AND 84.095, WISCONSIN STATUTES.

SCHEDULE OF LANDS AND INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	FEE REQ'D.	P.L.E. SQ. FT. REQ'D.	T.L.E. SQ. FT. REQ'D.
2	UNION PACIFIC RAILROAD COMPANY	P.L.E. & T.L.E.	——	104	2,180
4	LANDMARK NORTH CORP.	T.L.E.	——	——	550
5	SCOTT J. & VICTORIA M. THOMPSON	T.L.E.	——	——	125
7	SHIRLEY M. TURNER	T.L.E.	——	——	651
8	PLASTICS ENGINEERING CO.	T.L.E.	——	——	940
75	AT & T WISCONSIN	TEMP. CONSTRUCTION EASEMENT	——	——	——
80	WISCONSIN POWER & LIGHT CO. (ALLIANT ENERGY)	TEMP. CONSTRUCTION EASEMENT	——	——	——

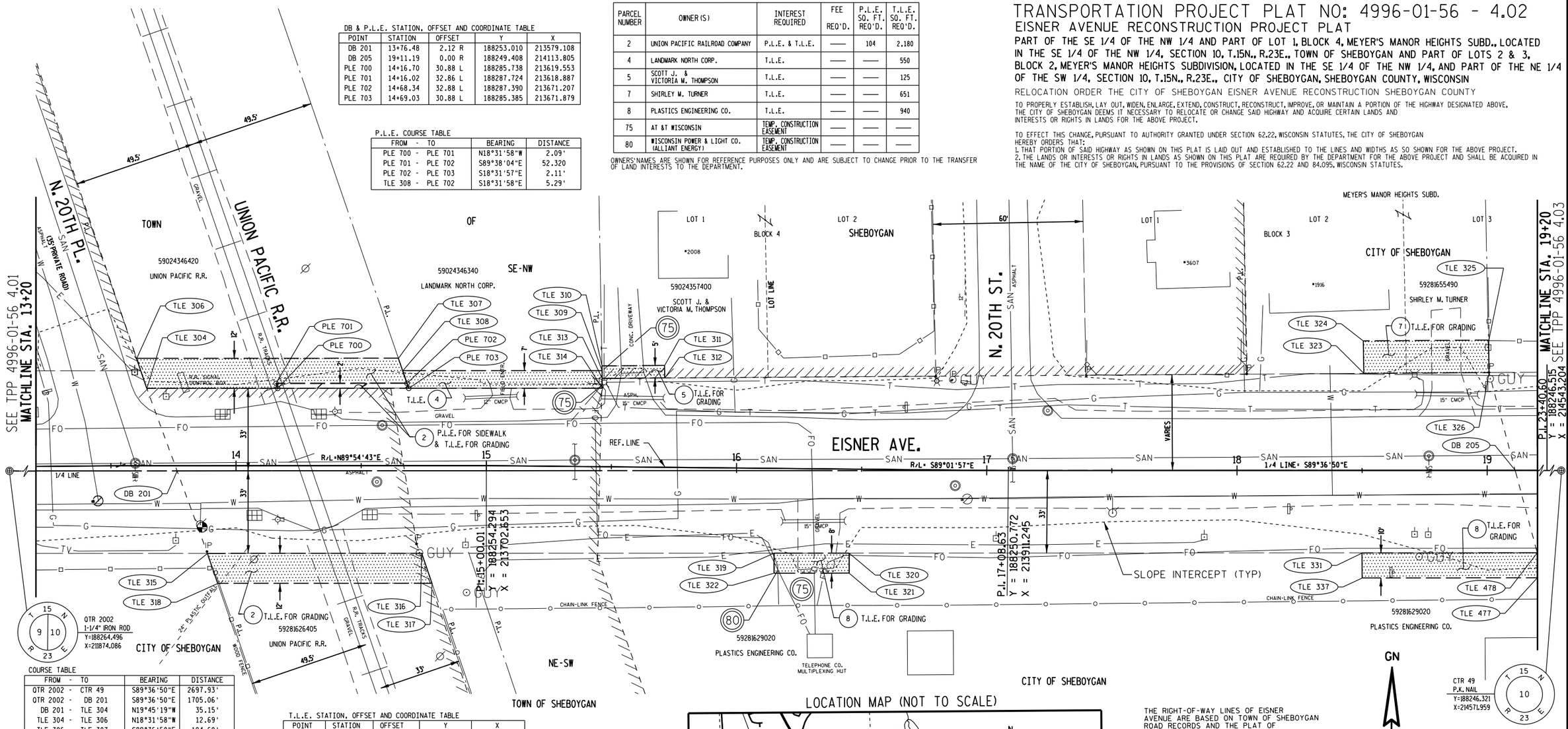
OWNERS' NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

DB & P.L.E. STATION, OFFSET AND COORDINATE TABLE

POINT	STATION	OFFSET	Y	X
DB 201	13+76.48	2.12 R	188253.010	213579.108
DB 205	19+11.19	0.00 R	188249.408	214113.805
PLE 700	14+16.70	30.88 L	188285.738	213619.553
PLE 701	14+16.02	32.86 L	188287.724	213618.887
PLE 702	14+68.34	32.88 L	188287.390	213671.207
PLE 703	14+69.03	30.88 L	188285.385	213671.879

P.L.E. COURSE TABLE

FROM - TO	BEARING	DISTANCE
PLE 700 - PLE 701	N18°31'58"W	2.09'
PLE 701 - PLE 702	S89°38'04"E	52.320
PLE 702 - PLE 703	S18°31'57"E	2.11'
TLE 308 - PLE 702	S18°31'58"E	5.29'



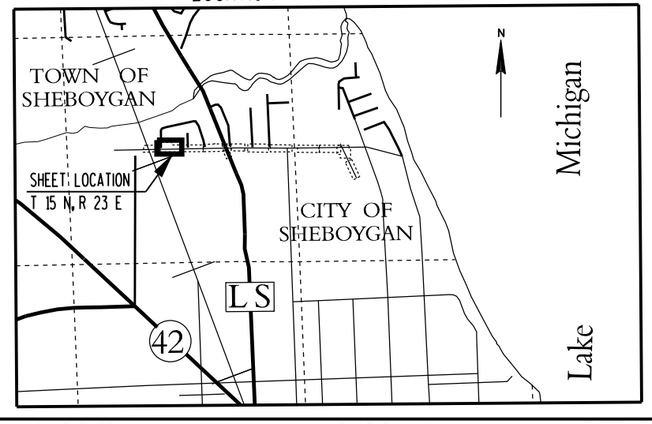
COURSE TABLE

FROM - TO	BEARING	DISTANCE
OTR 2002 - CTR 49	S89°36'50"E	2697.93'
OTR 2002 - DB 201	S89°36'50"E	1705.06'
DB 201 - TLE 304	N19°45'19"W	35.15'
TLE 304 - TLE 306	N18°31'58"W	12.69'
TLE 306 - TLE 307	S89°36'50"E	104.60'
TLE 307 - TLE 308	S18°31'58"E	5.29'
TLE 308 - TLE 309	S89°36'50"E	79.67'
TLE 309 - TLE 310	N00°34'30"W	1.90'
TLE 310 - TLE 311	S89°57'47"E	25.00'
TLE 311 - TLE 312	S00°34'30"E	5.00'
TLE 312 - TLE 323	S89°57'47"E	279.42'
TLE 323 - TLE 324	N00°45'05"W	13.01'
TLE 324 - TLE 325	S89°57'47"E	50.14'
TLE 325 - TLE 326	S00°08'42"E	13.00'
TLE 326 - DB 205	S14°33'14"E	40.43'
DB 205 - TLE 478	S14°33'14"E	34.15'
TLE 478 - TLE 477	S00°23'10"W	10.00'
TLE 477 - TLE 337	N89°36'50"W	69.98'
TLE 337 - TLE 331	N00°23'10"E	10.00'
TLE 331 - TLE 320	N89°36'50"W	205.00'
TLE 320 - TLE 321	S00°23'10"W	8.00'
TLE 321 - TLE 322	N89°36'50"W	30.00'
TLE 322 - TLE 319	N00°23'10"E	8.00'
TLE 319 - TLE 316	N89°36'50"W	140.80'
TLE 316 - TLE 317	S18°31'58"E	12.69'
TLE 317 - TLE 318	N89°36'50"W	85.63'
TLE 318 - TLE 315	N18°31'58"W	12.69'
TLE 315 - DB 201	N19°45'19"W	35.15'

T.L.E. STATION, OFFSET AND COORDINATE TABLE

POINT	STATION	OFFSET	Y	X
TLE 304	13+64.37	30.88 L	188286.090	213567.228
TLE 306	13+60.26	42.88 L	188298.118	213563.196
TLE 307	14+64.91	42.88 L	188297.413	213667.847
TLE 308	14+66.63	37.88 L	188292.401	213669.527
TLE 309	15+45.91	38.35 L	188291.865	213749.193
TLE 310	15+45.86	40.25 L	188293.768	213749.174
TLE 311	15+70.85	40.66 L	188293.752	213774.176
TLE 312	15+70.99	35.66 L	188288.752	213774.226
TLE 313	15+45.99	35.26 L	188288.768	213749.224
TLE 314	15+46.10	31.35 L	188284.864	213749.264
TLE 315	13+88.58	35.12 R	188219.929	213590.989
TLE 316	14+74.20	35.12 R	188219.352	213676.613
TLE 317	14+78.32	47.12 R	188207.325	213680.644
TLE 318	13+92.69	47.12 R	188207.901	213595.021
TLE 319	16+15.36	33.95 R	188218.404	213817.414
TLE 320	16+45.36	33.64 R	188218.201	213847.413
TLE 321	16+45.44	41.64 R	188210.202	213847.359
TLE 322	16+15.44	41.95 R	188210.404	213817.360
TLE 323	18+50.77	38.76 L	188288.572	214053.641
TLE 324	18+50.51	51.76 L	188301.572	214053.470
TLE 331	18+50.02	33.00 R	188216.820	214052.409
TLE 337	18+50.02	43.00 R	188206.821	214052.341
TLE 477	19+20.00	43.00 R	188206.349	214122.320
TLE 478	19+20.00	33.00 R	188216.349	214122.388

LOCATION MAP (NOT TO SCALE)



THE RIGHT-OF-WAY LINES OF EISNER AVENUE ARE BASED ON TOWN OF SHEBOYGAN ROAD RECORDS AND THE PLAT OF MEYER'S MANOR HEIGHTS SUBDIVISION.

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF REGISTER OF DEEDS IN SHEBOYGAN COUNTY AS SHEET 2 OF 2 OF DOCUMENT NO.0000000 AND FILED IN CABINET 1, ENVELOPE 000.

PREPARED BY: AECOM
4135 TECHNOLOGY PARKWAY
SHEBOYGAN, WI 53083
T 920-458-8711 WWW.AECOM.COM

I, KENNETH R. WOLF, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF SHEBOYGAN, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 4996-01-56- 4.02 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

(SIGNATURE) Kenneth R. Wolf DATE 7/30/12

(PRINTED NAME) KENNETH R. WOLF

(REGISTRATION NUMBER) S-1421

WISCONSIN KENNETH R. WOLF S-1421 SHEBOYGAN, WISCONSIN LAND SURVEYOR

THIS PLAT IS APPROVED FOR THE CITY OF SHEBOYGAN

(SIGNATURE) _____ DATE _____

(PRINTED NAME) _____ CLERK

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 4996-01-56
AMENDMENT NO:

ACCEPTED FOR RECORDING AND FILING IN THE OFFICE OF THE REGISTER OF DEEDS IN SHEBOYGAN COUNTY, WISCONSIN AT ___:___ M ON _____ AS DOCUMENT # _____ AND FILED IN _____

_____
SIGNATURE OF REGISTER OF DEEDS

FILE NAME : L:\work\60164548\000_CADD\SURVEY\RW PLAT\SHEETS\040102_rp.dgn
APPRAISAL PLAT DATE :
PLOT DATE : 8/24/2012
PLOT BY : Chris LaHaye
PLOT NAME :
PLOT SCALE : 1:40

TRANSPORTATION PROJECT PLAT NO: 4996-01-56 - 4.03

EISNER AVENUE RECONSTRUCTION PROJECT PLAT

PART OF LOT 2, BLOCK 2, MEYER'S MANOR HEIGHTS SUBDIVISION, LOCATED IN THE SW 1/4 OF THE NE 1/4, SECTION 10, T.15N., R.23E., CITY OF SHEBOYGAN AND PART OF LOT 21, BLOCK 2, AND LOT 4, BLOCK 3, MEYER'S MANOR HEIGHTS SUBDIVISION, LOCATED IN THE SE 1/4 OF THE NW 1/4 SECTION 10, T.15N., R.23E., CITY OF SHEBOYGAN AND PART OF LOT 22, BLOCK 2 MEYER'S MANOR HEIGHTS SUBDIVISION, LOCATED IN THE SE 1/ 4 OF THE NW 1/ 4, SECTION 10, T.15N., R23E., TOWN OF SHEBOYGAN AND PART OF THE NE 1/ 4 OF THE SW 1/ 4 AND PART OF THE NW 1/ 4 OF THE SE 1/ 4, SECTION 10, T.15N., R.23E., CITY OF SHEBOYGAN, SHEBOYGAN COUNTY, WISCONSIN

RELOCATION ORDER THE CITY OF SHEBOYGAN EISNER AVENUE RECONSTRUCTION SHEBOYGAN COUNTY

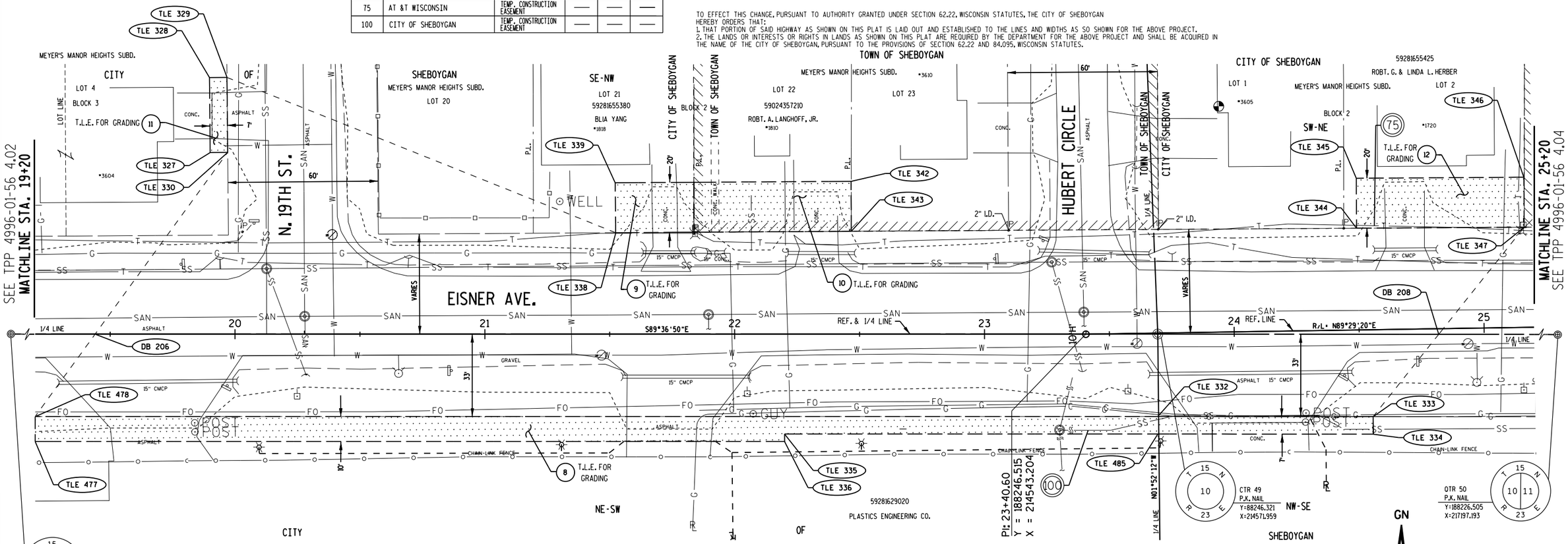
TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF SHEBOYGAN DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, WISCONSIN STATUTES, THE CITY OF SHEBOYGAN HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF SHEBOYGAN, PURSUANT TO THE PROVISIONS OF SECTION 62.22 AND 84.095, WISCONSIN STATUTES.

THE RIGHT-OF-WAY LINES OF EISNER AVENUE ARE BASED ON TOWN OF SHEBOYGAN ROAD RECORDS AND THE PLAT OF MEYER'S MANOR HEIGHTS SUBDIVISION.

SCHEDULE OF LANDS AND INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	FEE REQ'D.	P.L.E. SQ. FT. REQ'D.	T.L.E. SQ. FT. REQ'D.
8	PLASTICS ENGINEERING CO.	T.L.E.	——	——	4,649
9	BLIA YANG	T.L.E.	——	——	628
10	ROBT. A. LANGHOFF, JR.	T.L.E.	——	——	1,259
11	JASON ROBINSON	T.L.E.	——	——	210
12	ROBT. G. & LINDA L. HERBER	T.L.E.	——	——	1,342
75	AT &T WISCONSIN	TEMP. CONSTRUCTION EASEMENT	——	——	——
100	CITY OF SHEBOYGAN	TEMP. CONSTRUCTION EASEMENT	——	——	——



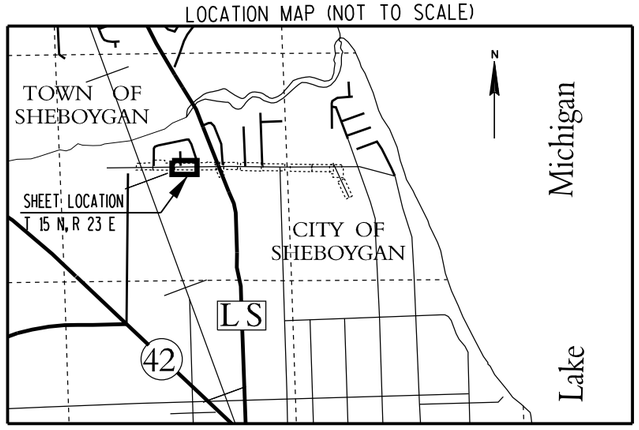
COURSE TABLE

FROM	-	TO	BEARING	DISTANCE
OTR 2002	-	CTR 49	S89°36'50"E	2697.93'
CTR 49	-	OTR 50	S89°34'03"E	2625.31'
CTR 49	-	DB 206	N89°36'50"W	425.31'
DB 206	-	TLE 330	N36°28'01"E	90.07'
TLE 330	-	TLE 327	S89°50'57"W	7.00'
TLE 327	-	TLE 328	N00°09'03"W	30.00'
TLE 328	-	TLE 329	N89°50'57"E	7.00'
TLE 329	-	TLE 338	S67°49'31"E	167.56'
TLE 338	-	TLE 339	N00°09'03"W	20.00'
TLE 339	-	TLE 342	S89°57'47"E	94.40'
TLE 342	-	TLE 343	S00°07'47"W	20.00'
TLE 343	-	TLE 344	S89°57'47"E	202.26'
TLE 344	-	TLE 345	N00°02'13"E	20.00'
TLE 345	-	TLE 346	S89°57'47"E	67.08'
TLE 346	-	TLE 347	S00°01'36"W	20.00'
TLE 347	-	DB 208	S38°56'53"W	54.87'
DB 208	-	TLE 333	S38°56'53"W	42.18'
TLE 333	-	TLE 334	S00°30'40"E	7.00'
TLE 334	-	TLE 485	N89°34'03"W	86.30'
TLE 485	-	TLE 335	N89°36'50"W	149.34'
TLE 335	-	TLE 336	S00°23'10"W	3.00'
TLE 336	-	TLE 477	N89°36'50"W	300.02'
TLE 477	-	TLE 478	N00°23'10"E	10.00'
TLE 478	-	DB 206	N36°28'01"E	40.83'
CTR 49	-	DB 208	S89°34'03"E	112.48'

STATION, OFFSET AND COORDINATE TABLE

POINT	STATION	OFFSET		Y	X
DB 206	19+44.05	0.00	R	188249.186	214146.657
DB 208	24+81.82	2.30	R	188245.472	214684.439
TLE 327	19+90.09	72.73	L	188321.601	214193.190
TLE 328	19+89.81	102.73	L	188351.601	214193.111
TLE 329	19+96.81	102.79	L	188351.619	214200.111
TLE 330	19+97.09	72.79	L	188321.619	214200.190
TLE 332	23+68.83	33.45	R	188213.322	214571.723
TLE 333	24+55.02	34.87	R	188212.671	214657.926
TLE 334	24+55.02	41.87	R	188205.671	214657.989
TLE 335	22+20.02	40.00	R	188207.328	214422.353
TLE 336	22+20.02	43.00	R	188204.328	214422.333
TLE 338	21+52.40	40.60	L	188288.377	214355.278
TLE 339	21+52.21	60.59	L	188308.377	214355.225
TLE 342	22+46.61	61.17	L	188308.316	214449.625
TLE 343	22+46.70	41.17	L	188288.316	214449.580
TLE 344	24+49.61	40.70	L	188288.185	214651.844
TLE 345	24+49.80	60.70	L	188308.185	214651.857
TLE 346	25+16.88	60.06	L	188308.145	214718.937
TLE 347	25+16.69	40.06	L	188288.142	214718.928
TLE 477	19+20.00	43.00	R	188206.349	214122.320
TLE 478	19+20.00	33.00	R	188216.349	214122.388
TLE 485	23+68.73	40.45	R	188206.322	214571.687

LOCATION MAP (NOT TO SCALE)



FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF REGISTER OF DEEDS IN SHEBOYGAN COUNTY AS SHEET 2 OF 2 OF DOCUMENT NO.0000000 AND FILED IN CABINET 1, ENVELOPE 000.

SCALE 0' 10' 20' 40'

PREPARED BY: AECOM
4135 TECHNOLOGY PARKWAY
SHEBOYGAN, WI 53083
T 920-458-8711 WWW.AECOM.COM

I, KENNETH R. WOLF, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF SHEBOYGAN, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 4996-01-56- 4.03 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

KENNETH R. WOLF S-1421 SHEBOYGAN, WISCONSIN LAND SURVEYOR

(SIGNATURE) Kenneth R. Wolf DATE 7/30/12
(PRINTED NAME) KENNETH R. WOLF
(REGISTRATION NUMBER) S-1421

THIS PLAT IS APPROVED FOR THE CITY OF SHEBOYGAN

(SIGNATURE) _____ DATE _____
(PRINTED NAME) _____
CLERK

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 4996-01-56
AMENDMENT NO:

ACCEPTED FOR RECORDING AND FILING IN THE OFFICE OF THE REGISTER OF DEEDS IN SHEBOYGAN COUNTY, WISCONSIN AT ____:____ M ON _____ AS DOCUMENT # _____ AND FILED IN _____

_____
SIGNATURE OF REGISTER OF DEEDS

FILE NAME : L:\work\60164548\000_CADD\SURVEY\RW PLAT\SHEETS\040103_rp.dgn
APPRAISAL PLAT DATE :
PLOT DATE : 8/24/2012 PLOT BY : Chris LaHaye PLOT NAME : PLOT SCALE : 1:40

4.03

TRANSPORTATION PROJECT PLAT NO: 4996-01-56 - 4.04

EISNER AVENUE RECONSTRUCTION PROJECT PLAT

PART OF LOT 3, BLOCK 2 AND LOTS 7 & 8, BLOCK 1, MEYER'S MANOR HEIGHTS SUBDIVISION, LOCATED IN THE SW 1/4 OF THE NE 1/4, SECTION 10, TOWN OF SHEBOYGAN AND PART OF THE NW 1/4 OF THE SE 1/4, SECTION 10, T.15N., R.23E., CITY OF SHEBOYGAN, SHEBOYGAN COUNTY, WISCONSIN

RELOCATION ORDER THE CITY OF SHEBOYGAN EISNER AVENUE RECONSTRUCTION SHEBOYGAN COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF SHEBOYGAN DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, WISCONSIN STATUTES, THE CITY OF SHEBOYGAN HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF SHEBOYGAN, PURSUANT TO THE PROVISIONS OF SECTION 62.22 AND 84.095, WISCONSIN STATUTES.

SCHEDULE OF LANDS AND INTERESTS REQUIRED

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	FEE REQ'D.	P.L.E. SQ. FT. REQ'D.	T.L.E. SQ. FT. REQ'D.
8	PLASTICS ENGINEERING CO.	FEE & T.L.E.	587	——	1,085
13	PHIA CHAO YANG	T.L.E.	——	——	720
14	BRADLEY GUILLETTE	T.L.E.	——	——	793
16	ROBERT D. JODY L. GORDON	T.L.E.	——	——	270

OWNERS' NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

THE RIGHT-OF-WAY LINES OF EISNER AVENUE ARE BASED ON TOWN OF SHEBOYGAN ROAD RECORDS AND THE PLAT OF MEYER'S MANOR HEIGHTS SUBDIVISION.

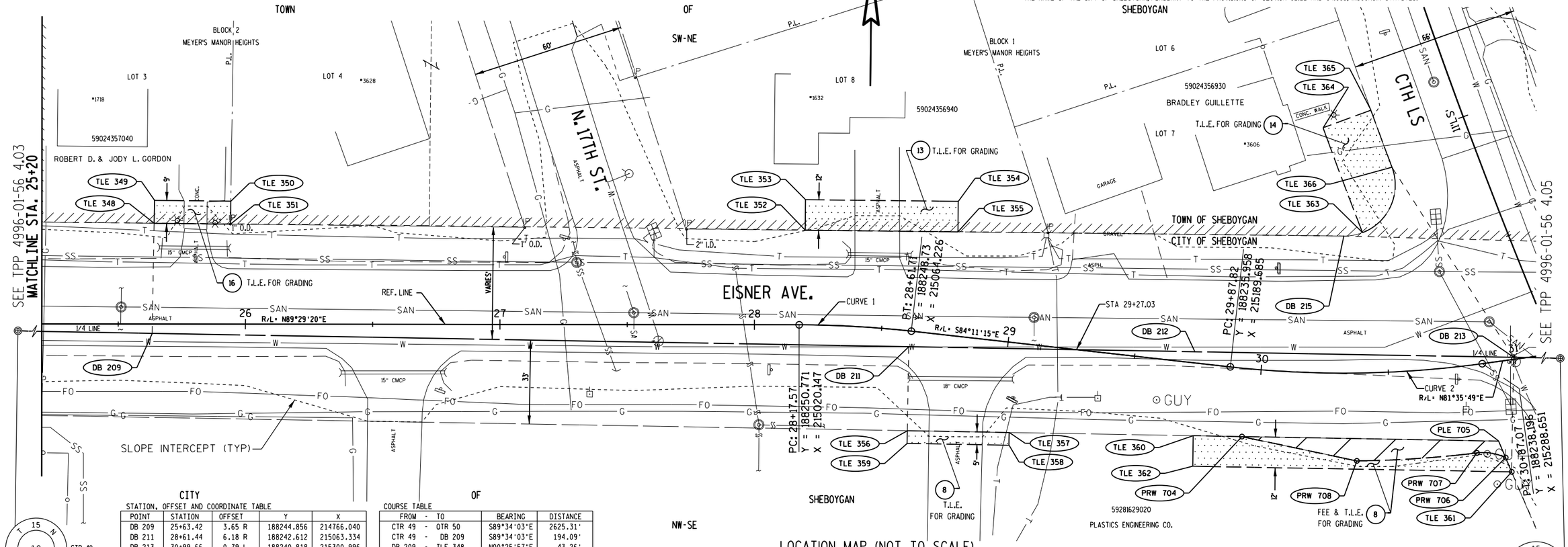
CURVE TABLE

FROM - TO	RADIUS	DELTA	LENGTH	CHORD	CHORD BEARING
DB 215 - TLE 363	20.00'	21°33'10"	7.52'	7.48'	N79°15'37"E
PRW 708 - PRW 707	434.50'	06°14'19"	47.31'	47.29'	N85°37'02"E
PRW 707 - PRW 706	20.50'	32°23'33"	11.59'	11.44'	S81°18'22"E
PRW 706 - TLE 361	2897.98'	00°07'13"	6.08'	6.08'	S23°31'10"E
TLE 363 - TLE 364	2099.00'	01°12'05"	44.02'	44.02'	N21°11'18"W
TLE 365 - TLE 366	2079.00'	00°39'30"	23.88'	23.88'	S20°54'50"E

R/L CURVE 1 DATA
P.I. = 28+39.66
Y 188,250.968
X 215,042.243
Δ = 6°19'26"
D = 14°19'26"
T = 22.10'
L = 44.15'
R = 400.00'
P.T.= 28+61.71

R/L CURVE 2 DATA
P.I. = 30+37.70
Y 188,230.907
X 215,239.308
Δ = 14°12'57"
D = 14°19'26"
T = 49.88'
L = 99.25'
R = 400.00'
P.T.= 30+87.07

GN



CITY OF SHEBOYGAN

STATION, OFFSET AND COORDINATE TABLE

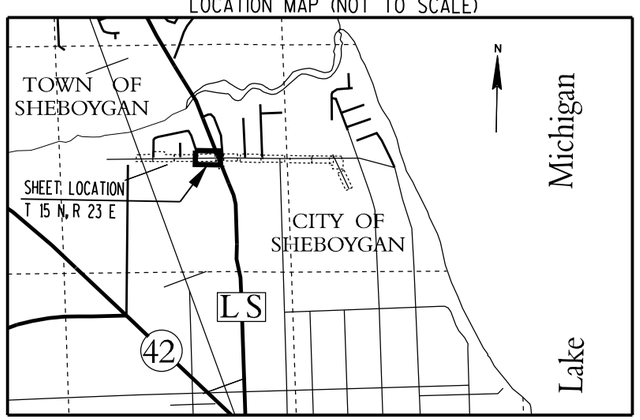
POINT	STATION	OFFSET	Y	X
DB 209	25+63.42	3.65 R	188244.856	214766.040
DB 211	28+61.44	6.18 R	188242.612	215063.334
DB 213	30+99.66	0.79 L	188240.818	215300.996
DB 215	30+32.56	53.89 L	188287.809	215233.789
TLE 348	25+64.13	39.60 L	188288.111	214766.366
TLE 349	25+64.27	48.60 L	188297.111	214766.431
TLE 350	25+94.27	48.32 L	188297.092	214796.431
TLE 351	25+94.13	39.32 L	188288.092	214796.367
TLE 352	28+19.72	37.16 L	188287.946	215022.175
TLE 353	28+19.77	49.16 L	188299.946	215022.183
TLE 354	28+74.40	52.73 L	188299.907	215082.183
TLE 355	28+75.60	40.79 L	188287.907	215082.175
TLE 356	28+64.54	39.03 R	188209.613	215063.085
TLE 357	29+04.36	35.28 R	188209.311	215103.084
TLE 358	29+04.83	40.26 R	188204.311	215103.046
TLE 359	28+65.01	44.01 R	188204.613	215063.047
TLE 360	29+76.40	28.50 R	188208.765	215175.437
TLE 361	30+92.75	43.68 R	188195.819	215300.656
TLE 362	29+77.53	40.44 R	188196.765	215175.346
TLE 363	30+41.09	55.13 L	188289.203	215241.137
TLE 364	30+21.86	96.30 L	188330.243	215225.229
TLE 365	30+46.90	103.15 L	188337.366	215243.917
TLE 366	30+56.27	80.38 L	188315.056	215252.443
PRW 704	29+94.95	26.77 R	188208.621	215194.551
PRW 705	30+89.34	31.00 R	188207.859	215295.433
PRW 706	30+91.17	37.81 R	188201.393	215298.230
PRW 707	30+80.78	34.50 R	188203.121	215286.926
PRW 708	30+37.22	34.50 R	188199.507	215239.776

OF

COURSE TABLE

FROM - TO	BEARING	DISTANCE
CTR 49 - QTR 50	S89°34'03"E	2625.31'
CTR 49 - DB 209	S89°34'03"E	194.09'
DB 209 - TLE 348	N00°25'57"E	43.26'
TLE 348 - TLE 349	N00°24'29"E	9.00'
TLE 349 - TLE 350	S89°57'47"E	30.00'
TLE 350 - TLE 351	S00°24'29"W	9.00'
TLE 351 - TLE 352	S89°57'47"E	225.81'
TLE 352 - TLE 353	N00°02'13"E	12.00'
TLE 353 - TLE 354	S89°57'47"E	60.00'
TLE 354 - TLE 355	S00°02'13"W	12.00'
TLE 355 - DB 215	S89°57'47"E	151.61'
DB 215 - TLE 363	CURVE	
TLE 363 - TLE 364	CURVE	
TLE 364 - TLE 365	N69°08'07"E	20.00'
TLE 365 - TLE 366	CURVE	
TLE 366 - DB 213	S33°11'07"E	88.70'
DB 213 - TLE 361	S00°25'57"W	45.00'
TLE 361 - TLE 362	N89°34'03"W	125.31'
TLE 362 - TLE 360	N00°25'57"E	12.00'
TLE 360 - TLE 357	N89°34'03"W	72.35'
TLE 357 - TLE 358	S00°25'57"W	5.00'
TLE 358 - TLE 359	N89°34'03"W	40.00'
TLE 359 - TLE 356	N00°25'57"E	5.00'
TLE 356 - DB 211	N00°25'57"E	33.00'
DB 211 - DB 209	N89°34'03"W	297.30'
TLE 361 - PRW 706	CURVE	
PRW 706 - PRW 707	CURVE	
PRW 707 - PRW 708	CURVE	
PRW 708 - PRW 704	S78°36'25"E	46.13'
DB 213 - QTR 50	S89°34'03"E	1896.25'

LOCATION MAP (NOT TO SCALE)



FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF REGISTER OF DEEDS IN SHEBOYGAN COUNTY AS SHEET 2 OF 2 OF DOCUMENT NO.0000000 AND FILED IN CABINET 1, ENVELOPE 000.

SCALE 0' 10' 20' 40'

PREPARED BY: AECOM 4135 TECHNOLOGY PARKWAY SHEBOYGAN, WI 53083 T 920-458-8711 WWW.AECOM.COM

I, KENNETH R. WOLF, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF SHEBOYGAN, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 4996-01-56- 4.04 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

(SIGNATURE) Kenneth R. Wolf DATE 7/30/12
(PRINTED NAME) KENNETH R. WOLF
(REGISTRATION NUMBER) S-1421

WISCONSIN KENNETH R. WOLF S-1421 SHEBOYGAN, WISCONSIN LAND SURVEYOR

THIS PLAT IS APPROVED FOR THE CITY OF SHEBOYGAN
(SIGNATURE) _____ DATE _____
(PRINTED NAME) _____
CLERK

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 4996-01-56
AMENDMENT NO:

ACCEPTED FOR RECORDING AND FILING IN THE OFFICE OF THE REGISTER OF DEEDS IN SHEBOYGAN COUNTY, WISCONSIN AT ____:____ M ON _____ AS DOCUMENT # _____ AND FILED IN _____

_____
SIGNATURE OF REGISTER OF DEEDS

FILE NAME : L:\work\60164548\000_CADD\SURVEY\RW PLAT\SHEETS\040104_rp.dgn
PLOT DATE : 8/23/2012 PLOT BY : Chris LaHaye PLOT NAME : PLOT SCALE : 1:40
APPRAISAL PLAT DATE :

4.04

TRANSPORTATION PROJECT PLAT NO: 4996-01-56 - 4.05

EISNER AVENUE RECONSTRUCTION PROJECT PLAT

PART OF LOTS 14 & 15, BLOCK 2, PIGEON RIVER HEIGHTS SUBDIVISION, LOCATED IN THE SW 1/4 OF THE NE 1/4 OF SECTION 10, T.15N, R.23E, TOWN OF SHEBOYGAN AND PART OF THE NW 1/4 OF THE SE 1/4 OF SECTION 10, T.15N, R.23E, CITY OF SHEBOYGAN, SHEBOYGAN COUNTY, WISCONSIN.

RELOCATION ORDER THE CITY OF SHEBOYGAN EISNER AVENUE RECONSTRUCTION SHEBOYGAN COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF SHEBOYGAN DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, WISCONSIN STATUTES, THE CITY OF SHEBOYGAN HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF SHEBOYGAN, PURSUANT TO THE PROVISIONS OF SECTION 62.22 AND 84.095, WISCONSIN STATUTES.

SCHEDULE OF LANDS AND INTERESTS REQUIRED

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	FEE REQ'D.	P.L.E. SQ. FT. REQ'D.	T.L.E. SQ. FT. REQ'D.
8	PLASTICS ENGINEERING CO.	T.L.E.	——	——	1,125
15	LAKESHORE PROPERTIES LTD.	FEE, P.L.E. & T.L.E.	102	150	2,654
17	BEN HASENSTEIN	FEE & T.L.E.	389	——	1,234
18	FRED J. STEINBRUECKER JR.	FEE & T.L.E.	102	——	643
100	CITY OF SHEBOYGAN	TEMP. CONSTRUCTION EASEMENT	——	——	——

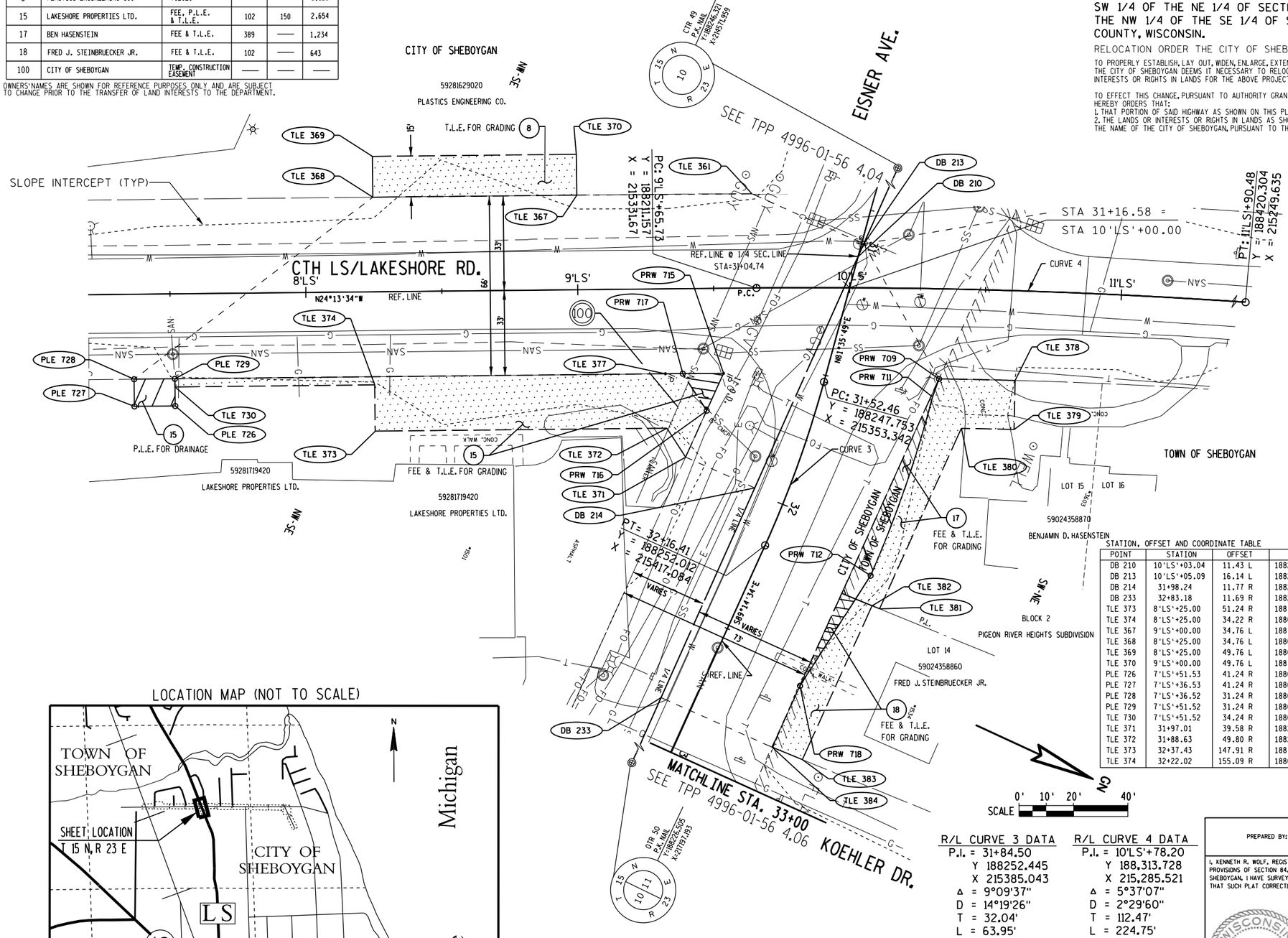
OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

CURVE TABLE

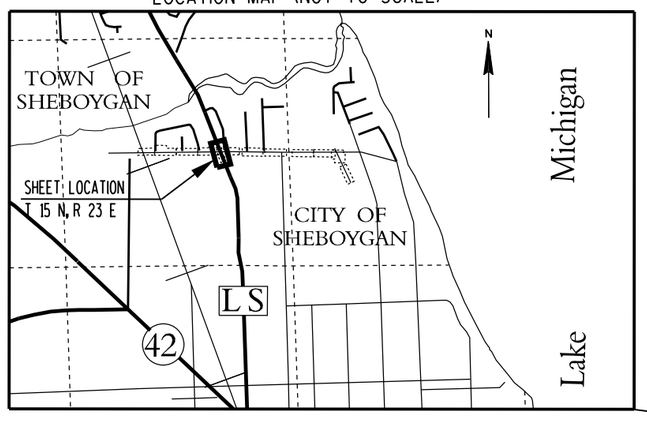
FROM - TO	RADIUS	DELTA	LENGTH	CHORD	CHORD BEARING
PRW 709 - TLE 378	2013.00'	00°47'50"	28.01'	28.01'	N22°28'07"W
PLE 711 - PRW 712	440.01'	09°03'23"	69.55'	69.48'	N85°29'05"E
PRW 717 - PRW 715	2831.98'	00°18'13"	15.00'	15.00'	N23°56'30"W

COURSE TABLE

FROM - TO	BEARING	DISTANCE
CTR 49 - QTR 50	S89°34'03"E	2625.31'
CTR 49 - DB 213	S89°34'03"E	729.06'
DB 213 - PRW 709	N37°13'38"E	56.85'
PRW 709 - TLE 378	CURVE	
TLE 378 - TLE 379	N67°31'53"E	18.00'
TLE 379 - TLE 380	S22°28'07"E	19.41'
TLE 380 - TLE 381	S89°16'00"E	72.84'
TLE 381 - TLE 382	S01°25'18"E	3.00'
TLE 382 - TLE 383	S89°16'00"E	62.10'
TLE 383 - TLE 384	S01°25'18"E	12.01'
TLE 384 - DB 233	S00°25'57"W	44.74'
DB 233 - DB 214	N89°34'03"W	84.40'
DB 214 - TLE 371	S00°25'57"E	27.83'
TLE 371 - TLE 372	S33°26'08"W	12.64'
TLE 372 - TLE 373	S24°13'34"E	107.30'
TLE 373 - TLE 374	S65°46'26"W	17.00'
TLE 374 - TLE 730	S24°13'34"E	73.47'
TLE 730 - PLE 726	N65°42'07"E	7.00'
PLE 726 - PLE 727	S24°13'34"E	15.00'
PLE 727 - PLE 728	S65°42'07"W	10.00'
PLE 728 - TLE 368	N60°56'49"E	110.38'
TLE 368 - TLE 369	S65°46'26"W	15.00'
TLE 369 - TLE 370	N24°13'34"W	75.00'
TLE 370 - TLE 367	N65°46'26"E	15.00'
TLE 367 - TLE 361	N24°03'44"W	64.47'
TLE 361 - DB 213	N00°25'57"E	45.00'
TLE 371 - PRW 716	N89°14'17"W	18.76'
PRW 716 - PRW 717	S33°24'37"W	16.18'
PRW 717 - PRW 715	CURVE	
PRW 709 - PRW 711	N85°58'47"E	7.08'
PRW 711 - PRW 712	CURVE	
PRW 712 - PRW 718	S80°58'31"E	48.14'
PRW 718 - TLE 384	S89°16'00"E	24.78'



LOCATION MAP (NOT TO SCALE)



STATION, OFFSET AND COORDINATE TABLE

POINT	STATION	OFFSET	Y	X
DB 210	10'LS'+03.04	11.43 L	188240.779	215306.137
DB 213	10'LS'+05.09	16.14 L	188240.818	215300.996
DB 214	31+98.24	11.77 R	188240.076	215399.292
DB 233	32+83.18	11.69 R	188239.439	215483.691
TLE 373	8'LS'+25.00	51.24 R	188103.843	215436.145
TLE 374	8'LS'+25.00	34.22 R	188096.867	215420.642
TLE 367	9'LS'+00.00	34.76 L	188136.948	215326.945
TLE 368	8'LS'+25.00	34.76 L	188068.553	215357.718
TLE 369	8'LS'+25.00	49.76 L	188062.398	215344.040
TLE 370	9'LS'+00.00	49.76 L	188130.793	215313.265
PLE 726	7'LS'+51.53	41.24 R	188032.743	215457.172
PLE 727	7'LS'+36.53	41.24 R	188019.064	215463.327
PLE 728	7'LS'+36.52	31.24 R	188014.949	215454.213
PLE 729	7'LS'+51.52	31.24 R	188028.628	215448.058
TLE 730	7'LS'+51.52	34.24 R	188029.862	215450.792
TLE 371	31+97.01	39.58 R	188212.244	215399.082
TLE 372	31+88.63	49.80 R	188201.693	215392.116
TLE 373	32+37.43	147.91 R	188103.843	215436.145
TLE 374	32+22.02	155.09 R	188096.867	215420.642

STATION, OFFSET AND COORDINATE TABLE

POINT	STATION	OFFSET	Y	X
TLE 377	31+67.01	56.81 R	188193.153	215374.027
TLE 378	31+33.49	67.71 L	188311.968	215324.680
TLE 379	31+50.95	72.09 L	188318.847	215341.314
TLE 380	31+55.29	53.27 L	188300.911	215348.731
TLE 381	32+20.26	48.02 L	188299.979	215421.562
TLE 382	32+20.37	45.02 L	188296.978	215421.636
TLE 383	32+82.47	45.05 L	188296.183	215483.731
TLE 384	32+82.93	33.05 L	188284.178	215484.029
PRW 709	31+40.30	40.54 L	188286.081	215335.386
PRW 711	31+47.36	40.00 L	188286.577	215342.448
PRW 712	32+11.05	40.00 L	188292.047	215411.710
PRW 715	31+59.86	36.37 R	188212.693	215365.325
PRW 716	31+76.29	38.18 R	188212.493	215380.324
PRW 717	31+64.77	50.72 R	188198.983	215371.412
PRW 718	32+58.15	33.04 L	188284.495	215459.254

R/L CURVE 3 DATA
P.I. = 31+84.50
Y 188252.445
X 215385.043
Δ = 9°09'37"
D = 14°19'26"
T = 32.04'
L = 63.95'
R = 400.00'
P.T. = 32+16.41

R/L CURVE 4 DATA
P.I. = 10'LS'+78.20
Y 188,313.728
X 215,285.521
Δ = 5°37'07"
D = 2°29'60"
T = 112.47'
L = 224.75'
R = 2,291.87'
P.T. = 11'LS'+90.48

THE RIGHT-OF-WAY LINES OF EISNER AVENUE AND C.T.H. LS ARE BASED ON TOWN OF SHEBOYGAN ROAD RECORDS AND THE PLAT OF PIGEON RIVER HEIGHTS SUBDIVISION.

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF REGISTER OF DEEDS IN SHEBOYGAN COUNTY AS SHEET 2 OF 2 OF DOCUMENT NO.0000000 AND FILED IN CABINET 1, ENVELOPE 000.

PREPARED BY: AECOM
4135 TECHNOLOGY PARKWAY
SHEBOYGAN, WI 53083
T 920-458-8711 WWW.AECOM.COM

I, KENNETH R. WOLF, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF SHEBOYGAN, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 4996-01-56- 4.05 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

(SIGNATURE) Kenneth R. Wolf DATE 7/30/12

(PRINTED NAME) KENNETH R. WOLF

(REGISTRATION NUMBER) S-1421

KENNETH R. WOLF S-1421 SHEBOYGAN, WISCONSIN LAND SURVEYOR

THIS PLAT IS APPROVED FOR THE CITY OF SHEBOYGAN

(SIGNATURE) _____ DATE _____

(PRINTED NAME) _____
CLERK

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 4996-01-56
AMENDMENT NO:

ACCEPTED FOR RECORDING AND FILING IN THE OFFICE OF THE REGISTER OF DEEDS IN SHEBOYGAN COUNTY, WISCONSIN AT ___:___ M ON _____ AS DOCUMENT #_____ AND FILED IN _____

_____
SIGNATURE OF REGISTER OF DEEDS

FILE NAME : L:\work\60164548\000_CADD\SURVEY\RW PLAT\SHEETS\040105_rp.dgn
APPRAISAL PLAT DATE :
PLOT DATE : 8/24/2012
PLOT BY : Chris LaHaye
PLOT NAME :
PLOT SCALE : 1:40

4

SCHEDULE OF LANDS AND INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	P.L.E. SQ. FT. REQ'D.	T.L.E. SQ. FT. REQ'D.
19	MARK A. & MARY B. GRAVES	T.L.E.	———	360
20	JOSEPH D. VANDERPUY	T.L.E.	———	744
22	ADAM D. HANSEN	T.L.E.	———	1,069

OWNERS' NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

TRANSPORTATION PROJECT PLAT NO: 4996-01-56 - 4.06

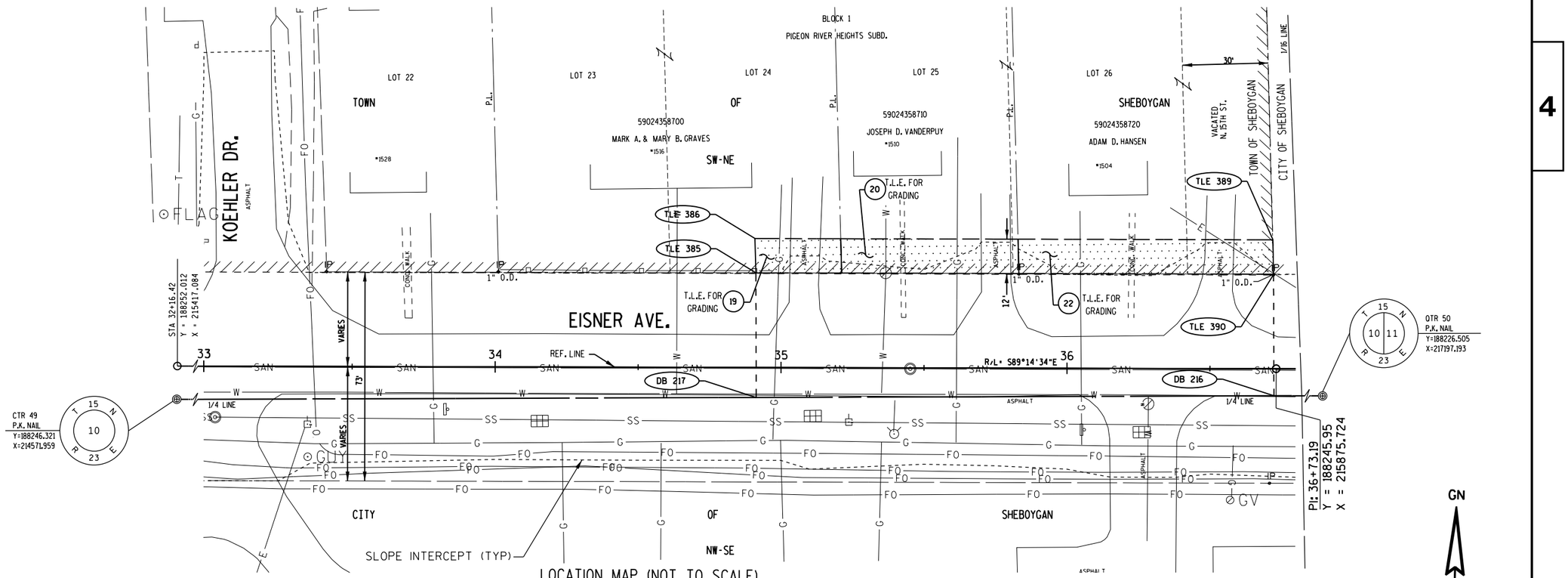
EISNER AVENUE RECONSTRUCTION PROJECT PLAT

PART OF LOTS 24-26, AND VACATED PART OF N. 15TH STREET, PIGEON RIVER HEIGHTS SUBDIVISION, LOCATED IN THE SW 1/4 OF THE NE 1/4 OF SECTION 10, T.15N., R.23E., TOWN OF SHEBOYGAN, SHEBOYGAN COUNTY, WISCONSIN.

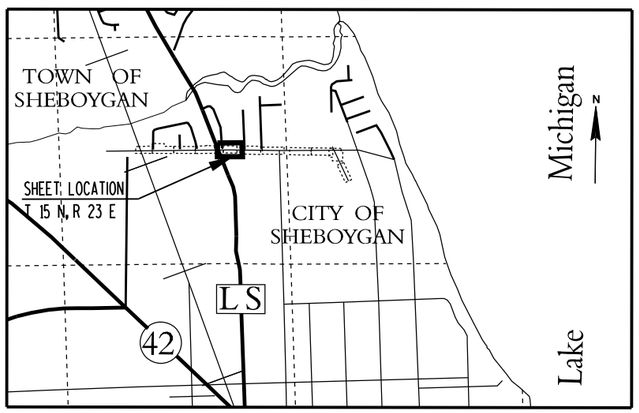
RELOCATION ORDER THE CITY OF SHEBOYGAN EISNER AVENUE RECONSTRUCTION SHEBOYGAN COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF SHEBOYGAN DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, WISCONSIN STATUTES, THE CITY OF SHEBOYGAN HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF SHEBOYGAN, PURSUANT TO THE PROVISIONS OF SECTION 62.22 AND 84.095, WISCONSIN STATUTES.



LOCATION MAP (NOT TO SCALE)



STATION, OFFSET AND COORDINATE TABLE

POINT	STATION	OFFSET	Y	X
DB 216	36+72.49	9.47 R	188236.486	215874.898
DB 217	34+91.41	10.50 R	188237.853	215693.821
TLE 385	34+91.17	33.05 L	188281.401	215694.149
TLE 386	34+90.83	45.05 L	188293.405	215693.968
TLE 389	36+71.97	45.02 L	188290.981	215875.094
TLE 390	36+72.25	33.02 L	188278.978	215875.218

COURSE TABLE

FROM - TO	BEARING	DISTANCE
CTR 49 - OTR 50	S89°34'03"E	2625.31'
CTR 49 - DB 217	S89°34'03"E	1121.89'
DB 217 - TLE 385	N00°25'57"E	43.55'
TLE 385 - TLE 386	N00°51'57"W	12.01'
TLE 386 - TLE 389	S89°14'00"E	181.14'
TLE 389 - TLE 390	S00°35'39"E	12.00'
TLE 390 - DB 216	S00°25'57"W	42.49'
DB 216 - DB 217	N89°34'03"W	181.08'

THE RIGHT-OF-WAY LINES OF EISNER AVENUE ARE BASED ON TOWN OF SHEBOYGAN ROAD RECORDS AND THE PLAT OF PIGEON RIVER HEIGHTS SUBDIVISION.

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF REGISTER OF DEEDS IN SHEBOYGAN COUNTY AS SHEET 2 OF 2 OF DOCUMENT NO.0000000 AND FILED IN CABINET 1, ENVELOPE 000.

PREPARED BY: AECOM
4135 TECHNOLOGY PARKWAY
SHEBOYGAN, WI 53083
T 920-458-8711 WWW.AECOM.COM

I, KENNETH R. WOLF, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF SHEBOYGAN, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 4996-01-56- 4.06 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

(SIGNATURE) Kenneth R. Wolf DATE 7/30/12
(PRINTED NAME) KENNETH R. WOLF
(REGISTRATION NUMBER) S-1421

WISCONSIN KENNETH R. WOLF S-1421 SHEBOYGAN, WISCONSIN LAND SURVEYOR

THIS PLAT IS APPROVED FOR THE CITY OF SHEBOYGAN

(SIGNATURE) _____ DATE _____
(PRINTED NAME) _____
CLERK

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 4996-01-56
AMENDMENT NO:

ACCEPTED FOR RECORDING AND FILING IN THE OFFICE OF THE REGISTER OF DEEDS IN SHEBOYGAN COUNTY, WISCONSIN AT
---:-- -M ON _____
AS DOCUMENT # _____ AND
FILED IN _____

_____
SIGNATURE OF REGISTER OF DEEDS

FILE NAME : L:\work\60164548\000_CADD\SURVEY\RW PLAT\SHEETS\040106_rp.dgn
APPRAISAL PLAT DATE :
PLOT DATE : 8/23/2012 PLOT BY : Chris LaHaye PLOT NAME : PLOT SCALE : 1:40

4.06

TRANSPORTATION PROJECT PLAT NO: 4996-01-56 - 4.07

EISNER AVENUE RECONSTRUCTION PROJECT PLAT

PART OF THE SE 1/4 OF THE NE 1/4 OF SECTION 10, T.15N., R.23E., TOWN OF SHEBOYGAN, AND PART OF THE NE 1/4 OF THE SE 1/4 OF SECTION 10, T.15N., R.23E., CITY OF SHEBOYGAN, SHEBOYGAN COUNTY, WISCONSIN.

SCHEDULE OF LANDS AND INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	FEE REQ'D.	P.L.E. SQ. FT. REQ'D.	T.L.E. SQ. FT. REQ'D.
23	EISNER COURT ASSOC.	P.L.E. & T.L.E.	——	50	180
24	BARBARA L. BRADEN	T.L.E.	——	——	250
25	AUGUST A. & MARGARET TARNOWSKI	T.L.E.	——	——	480
27	R&K CONDOMINIUM ASSOC.	T.L.E.	——	——	1,387
29	DUANE A. & LORI GUMM	T.L.E.	——	——	350
75	AT & T WISCONSIN	TEMP. CONSTRUCTION EASEMENT	——	——	——

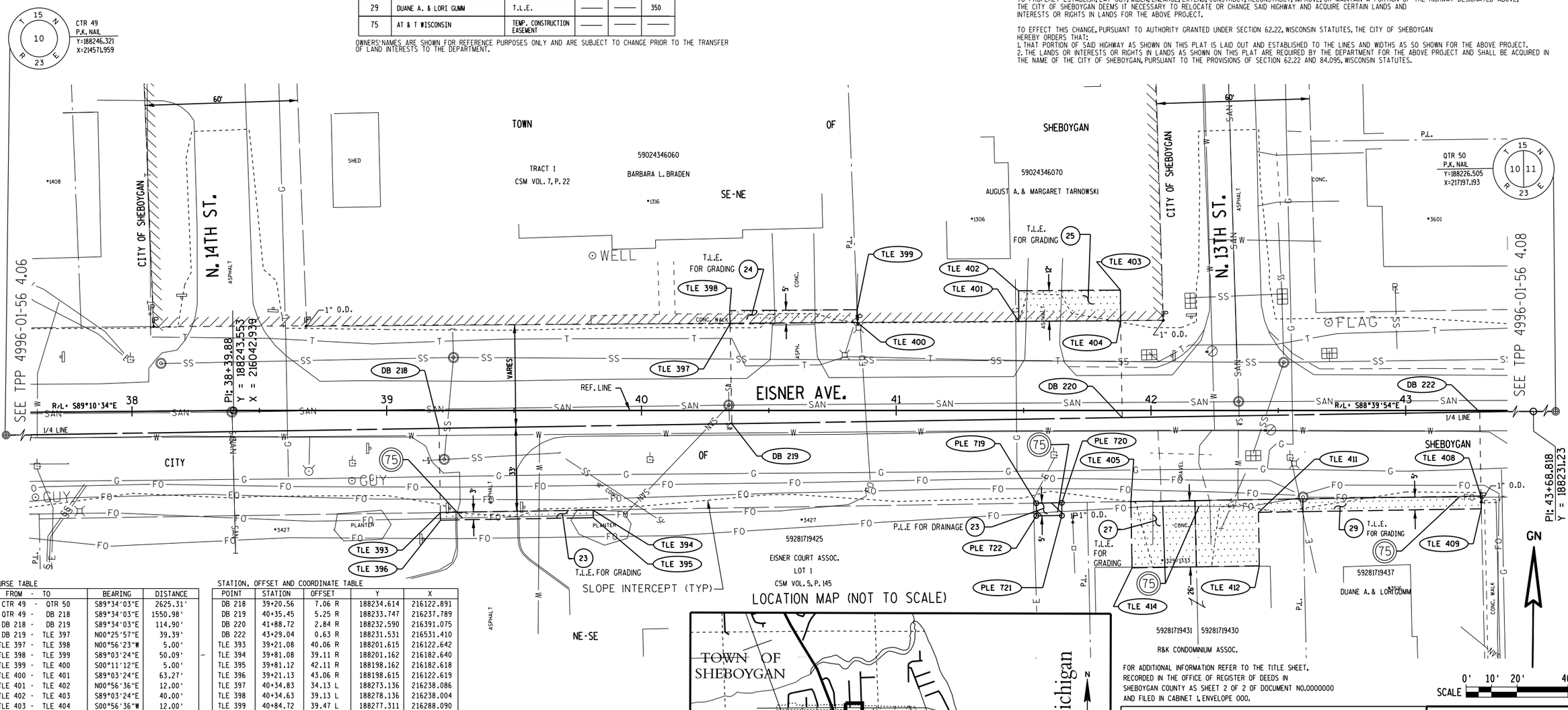
OWNERS' NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

THE RIGHT-OF-WAY LINES OF EISNER AVENUE ARE BASED ON TOWN OF SHEBOYGAN ROAD RECORDS AND ON C.S.M. IN VOL. 7, P. 22.

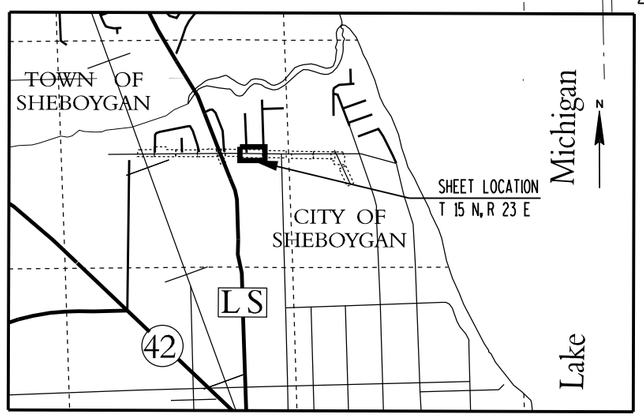
RELOCATION ORDER THE CITY OF SHEBOYGAN EISNER AVENUE RECONSTRUCTION SHEBOYGAN COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF SHEBOYGAN DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, WISCONSIN STATUTES, THE CITY OF SHEBOYGAN HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF SHEBOYGAN, PURSUANT TO THE PROVISIONS OF SECTION 62.22 AND 84.095, WISCONSIN STATUTES.



LOCATION MAP (NOT TO SCALE)



COURSE TABLE

FROM - TO	BEARING	DISTANCE
CTR 49 - QTR 50	S89°34'03"E	2625.31'
QTR 49 - DB 218	S89°34'03"E	1550.98'
DB 218 - DB 219	S89°34'03"E	114.90'
DB 219 - TLE 397	N00°25'57"E	39.39'
TLE 397 - TLE 398	N00°56'23"W	5.00'
TLE 398 - TLE 399	S89°03'24"E	50.09'
TLE 399 - TLE 400	S00°11'12"E	5.00'
TLE 400 - TLE 401	S89°03'24"E	63.27'
TLE 401 - TLE 402	N00°56'36"E	12.00'
TLE 402 - TLE 403	S89°03'24"E	40.00'
TLE 403 - TLE 404	S00°56'36"W	12.00'
TLE 404 - DB 220	S00°25'57"W	38.02'
DB 220 - DB 222	S89°34'03"E	140.34'
DB 222 - TLE 408	S00°25'57"W	33.00'
TLE 408 - TLE 409	S00°02'56"W	5.00'
TLE 409 - TLE 411	N89°34'03"W	87.48'
TLE 411 - TLE 412	S00°25'57"W	21.00'
TLE 412 - TLE 414	N89°34'02"W	50.00'
TLE 414 - TLE 405	N00°25'57"E	26.00'
TLE 405 - PLE 720	N89°34'03"W	27.13'
PLE 720 - PLE 721	S01°20'06"W	5.00'
PLE 721 - PLE 722	N89°34'03"W	10.00'
PLE 722 - PLE 719	N01°20'06"E	5.00'
PLE 719 - TLE 394	N89°34'03"W	173.95'
TLE 394 - TLE 395	S00°25'57"W	3.00'
TLE 395 - TLE 396	N89°34'03"W	60.00'
TLE 396 - TLE 393	N00°25'57"E	3.00'
TLE 393 - DB 218	N00°25'57"E	33.00'

STATION, OFFSET AND COORDINATE TABLE

POINT	STATION	OFFSET	Y	X
DB 218	39+20.56	7.06 R	188234.614	216122.891
DB 219	40+35.45	5.25 R	188233.747	216237.789
DB 220	41+88.72	2.84 R	188232.590	216391.075
DB 222	43+29.04	0.63 R	188231.531	216531.410
TLE 393	39+21.08	40.06 R	188201.615	216122.642
TLE 394	39+81.08	39.11 R	188201.162	216182.640
TLE 395	39+81.12	42.11 R	188198.162	216182.618
TLE 396	39+21.13	43.06 R	188198.615	216122.619
TLE 397	40+34.83	34.13 L	188273.136	216238.086
TLE 398	40+34.63	39.13 L	188278.136	216238.004
TLE 399	40+84.72	39.47 L	188277.311	216288.090
TLE 400	40+84.86	34.47 L	188272.310	216288.107
TLE 401	41+48.12	34.91 L	188271.268	216351.368
TLE 402	41+48.04	46.91 L	188283.267	216351.565
TLE 403	41+88.04	47.18 L	188282.608	216391.560
TLE 404	41+88.12	35.18 L	188270.610	216391.362
TLE 405	41+92.14	35.79 R	188199.569	216393.724
TLE 408	43+29.56	33.62 R	188198.532	216531.161
TLE 409	43+29.68	38.62 R	188193.531	216531.157
TLE 411	42+42.21	40.00 R	188194.192	216443.685
TLE 412	42+42.54	61.00 R	188173.192	216443.526
TLE 414	41+92.55	61.78 R	188173.570	216393.527
PLE 719	41+55.01	36.37 R	188199.849	216356.590
PLE 720	41+65.01	36.22 R	188199.774	216366.591
PLE 721	41+65.01	41.22 R	188194.774	216366.474
PLE 722	41+55.01	41.37 R	188194.850	216356.473

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF REGISTER OF DEEDS IN SHEBOYGAN COUNTY AS SHEET 2 OF 2 OF DOCUMENT NO.0000000 AND FILED IN CABINET 1, ENVELOPE 000.

PREPARED BY: AECOM
4135 TECHNOLOGY PARKWAY
SHEBOYGAN, WI 53083
T 920-458-8711 WWW.AECOM.COM

I, KENNETH R. WOLF, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF SHEBOYGAN, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 4996-01-56- 4.07 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

(SIGNATURE) Kenneth R. Wolf DATE 7/30/12

(PRINTED NAME) KENNETH R. WOLF

(REGISTRATION NUMBER) S-1421

WISCONSIN KENNETH R. WOLF S-1421 SHEBOYGAN, WISCONSIN LAND SURVEYOR

THIS PLAT IS APPROVED FOR THE CITY OF SHEBOYGAN

(SIGNATURE) _____ DATE _____

(PRINTED NAME) _____
CLERK

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 4996-01-56
AMENDMENT NO:

ACCEPTED FOR RECORDING AND FILING IN THE OFFICE OF THE REGISTER OF DEEDS IN SHEBOYGAN COUNTY, WISCONSIN AT ____:____ M ON _____ AS DOCUMENT # _____ AND FILED IN _____

_____
SIGNATURE OF REGISTER OF DEEDS

FILE NAME : L:\work\60164548\000_CADD\SURVEY\RW PLAT\SHEETS\040107_rp.dgn
APPRAISAL PLAT DATE :
PLOT DATE : 10/24/2012
PLOT BY : Chris LaHaye
PLOT NAME :
PLOT SCALE : 1:40

TRANSPORTATION PROJECT PLAT NO: 4996-01-56 - 4.08

EISNER AVENUE RECONSTRUCTION PROJECT PLAT

PART OF THE SE 1/4 OF THE NE 1/4 AND PART OF THE NE 1/4 OF THE SE 1/4 OF SECTION 10, T.15N., R.23E., CITY OF SHEBOYGAN, SHEBOYGAN COUNTY, WISCONSIN.

SCHEDULE OF LANDS AND INTERESTS REQUIRED

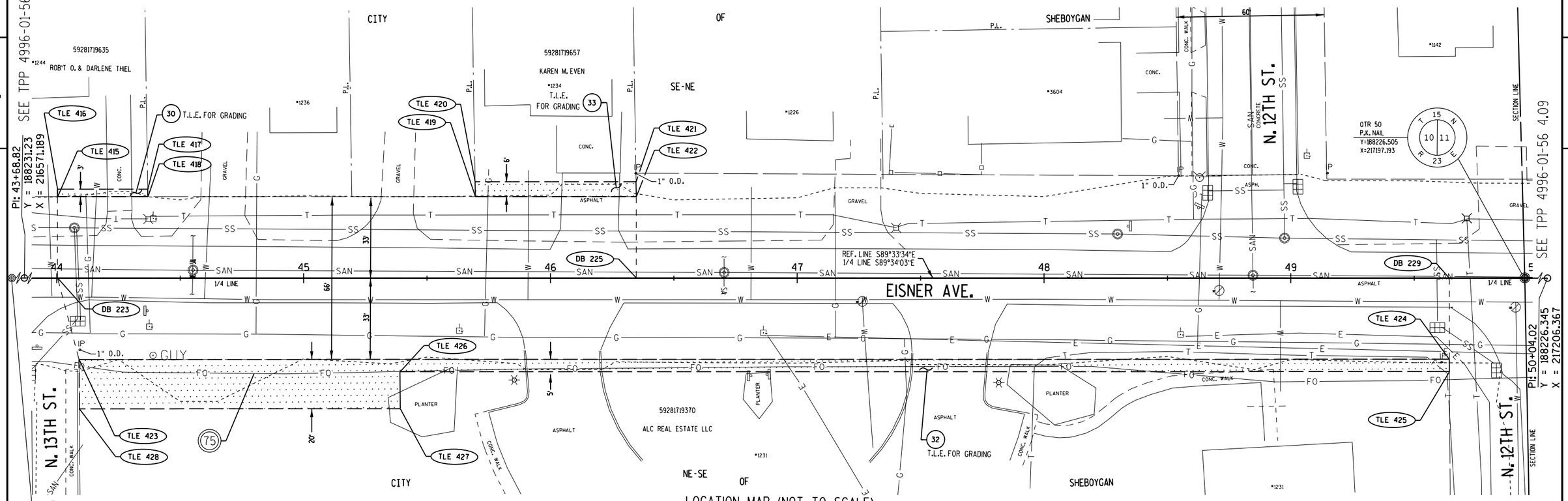
PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	FEE REQ'D.	T.L.E. SQ. FT. REQ'D.
30	ROB'T O. & DARLENE THIEL	T.L.E.	———	110
32	ALC REAL ESTATE LLC	T.L.E.	———	4,726
33	KAREN M. EVEN	T.L.E.	———	391
75	AT & T WISCONSIN	TEMP. CONSTRUCTION EASEMENT	———	———

OWNERS' NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

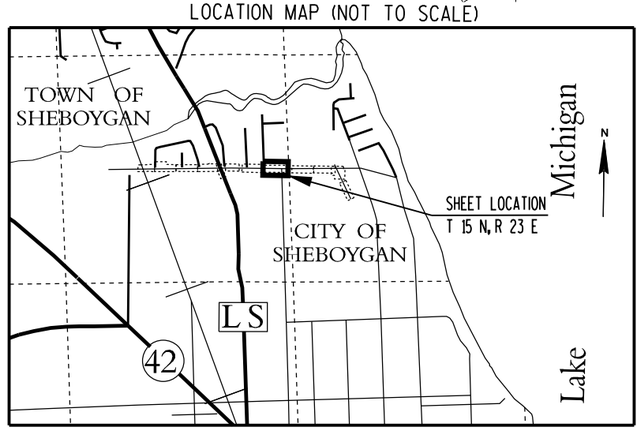
RELOCATION ORDER THE CITY OF SHEBOYGAN EISNER AVENUE RECONSTRUCTION SHEBOYGAN COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF SHEBOYGAN DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, WISCONSIN STATUTES, THE CITY OF SHEBOYGAN HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF SHEBOYGAN, PURSUANT TO THE PROVISIONS OF SECTION 62.22 AND 84.095, WISCONSIN STATUTES.



LOCATION MAP (NOT TO SCALE)



GN

SCALE 0' 10' 20' 40'

COURSE TABLE

FROM - TO	BEARING	DISTANCE
CTR 49 - QTR 50	S89°34'03"E	2625.31'
QTR 49 - DB 223	S89°34'03"E	2030.83'
DB 223 - TLE 415	N00°25'57"E	33.00'
TLE 415 - TLE 416	N00°25'57"W	3.00'
TLE 416 - TLE 417	S89°34'03"E	36.57'
TLE 417 - TLE 418	S00°27'55"E	3.00'
TLE 418 - TLE 419	S89°34'03"E	132.64'
TLE 419 - TLE 420	S00°27'55"E	6.00'
TLE 420 - TLE 421	S89°34'03"E	65.22'
TLE 421 - TLE 422	S00°27'55"W	6.00'
TLE 422 - DB 225	S00°25'57"W	33.00'
DB 225 - DB 229	S89°34'03"E	329.40'
DB 229 - TLE 424	S00°25'57"W	33.00'
TLE 424 - TLE 425	S00°03'18"W	5.00'
TLE 425 - TLE 426	N89°34'03"W	425.19'
TLE 426 - TLE 427	S00°02'56"W	15.00'
TLE 427 - TLE 428	N89°34'03"W	130.00'
TLE 428 - TLE 423	N00°05'21"E	20.00'
TLE 423 - DB 223	N14°19'53"W	34.13'

STATION, OFFSET AND COORDINATE TABLE

POINT	STATION	OFFSET		Y	X
DB 223	44+00.36	0.00	L	188230.992	216602.727
DB 225	46+34.83	0.04	L	188229.222	216837.198
DB 229	49+64.23	0.09	L	188226.736	217166.585
TLE 415	44+00.35	33.00	L	188263.991	216602.976
TLE 416	44+00.35	36.00	L	188266.991	216602.999
TLE 417	44+36.92	36.01	L	188266.715	216639.566
TLE 418	44+36.97	33.01	L	188263.715	216639.590
TLE 419	45+69.61	33.03	L	188262.714	216772.230
TLE 420	45+69.52	39.03	L	188268.714	216772.181
TLE 421	46+34.74	39.04	L	188268.222	216837.398
TLE 422	46+34.83	33.04	L	188262.221	216837.447
TLE 423	44+09.06	32.99	R	188197.928	216611.175
TLE 424	49+64.24	32.92	R	188193.737	217166.336
TLE 425	49+64.27	37.92	R	188188.737	217166.331
TLE 426	45+39.08	37.98	R	188191.946	216741.155
TLE 427	45+39.18	52.98	R	188176.946	216741.143
TLE 428	44+09.18	52.99	R	188177.927	216611.143

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF REGISTER OF DEEDS IN SHEBOYGAN COUNTY AS SHEET 2 OF 2 OF DOCUMENT NO.0000000 AND FILED IN CABINET 1, ENVELOPE 000.

THE RIGHT-OF-WAY LINES OF EISNER AVENUE ARE BASED ON TOWN OF SHEBOYGAN ROAD RECORDS.

PREPARED BY: AECOM
4135 TECHNOLOGY PARKWAY
SHEBOYGAN, WI 53083
T 920-458-8711 WWW.AECOM.COM

I, KENNETH R. WOLF, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF SHEBOYGAN, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 4996-01-56- 4.08 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

(SIGNATURE) Kenneth R. Wolf DATE 7/30/12

(PRINTED NAME) KENNETH R. WOLF

(REGISTRATION NUMBER) S-1421

WISCONSIN KENNETH R. WOLF S-1421 SHEBOYGAN, WISCONSIN LAND SURVEYOR

THIS PLAT IS APPROVED FOR THE CITY OF SHEBOYGAN

(SIGNATURE) _____ DATE _____

(PRINTED NAME) _____
CLERK

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 4996-01-56
AMENDMENT NO:

ACCEPTED FOR RECORDING AND FILING IN THE OFFICE OF THE REGISTER OF DEEDS IN SHEBOYGAN COUNTY, WISCONSIN AT ____:____ M ON _____ AS DOCUMENT # _____ AND FILED IN _____

_____
SIGNATURE OF REGISTER OF DEEDS

FILE NAME : L:\work\60164548\000_CADD\SURVEY\RW PLAT\SHEETS\040108_rp.dgn
APPRAISAL PLAT DATE :
PLOT DATE : 10/24/2012
PLOT BY : Chris LaHaye
PLOT NAME :
PLOT SCALE : 1:40

4.08

TRANSPORTATION PROJECT PLAT NO: 4996-01-56 - 4.09

EISNER AVENUE RECONSTRUCTION PROJECT PLAT

PART OF LOT 23, MEADOWLARK SUBDIVISION, LOCATED IN THE SW 1/4 OF THE NW 1/4, AND PART OF LOTS 2-12, BLOCK 1, NORTH SHORE SUBDIVISION NO. 2 & THE COMMON AREA OF NORTHSHORE CONDOMINIUMS, LOCATED IN THE NW 1/4 OF THE SW 1/4, ALL IN SECTION 11, T.15N., R.23E., CITY OF SHEBOYGAN, SHEBOYGAN COUNTY, WISCONSIN

RELOCATION ORDER THE CITY OF SHEBOYGAN EISNER AVENUE RECONSTRUCTION SHEBOYGAN COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF SHEBOYGAN DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

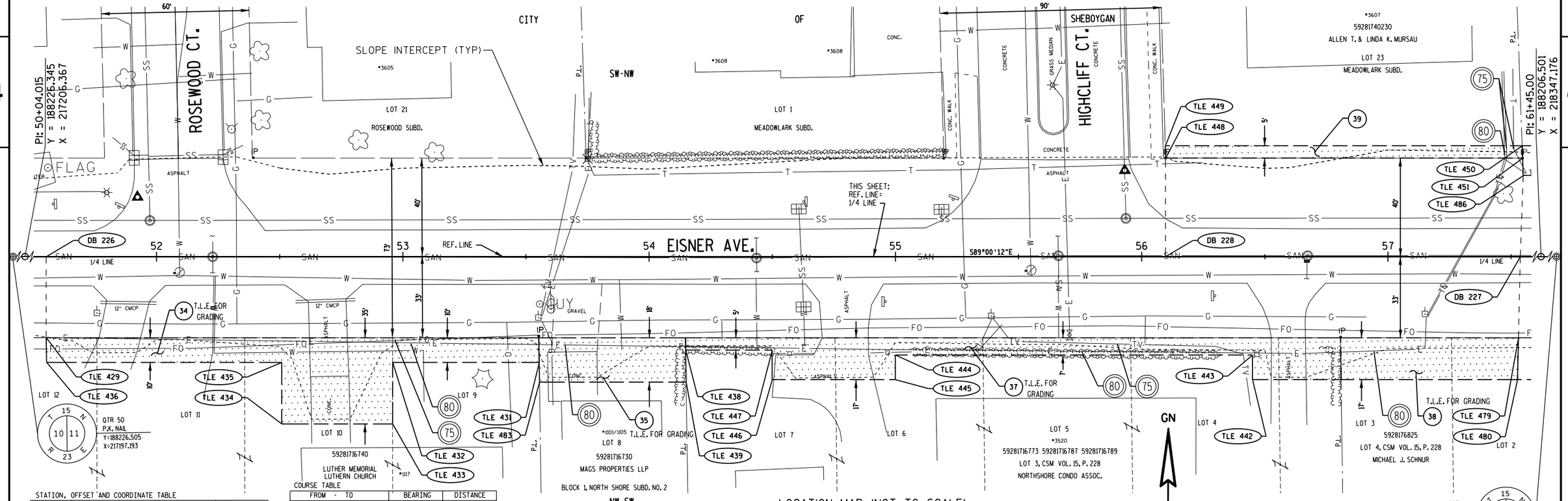
TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, WISCONSIN STATUTES, THE CITY OF SHEBOYGAN HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF SHEBOYGAN, PURSUANT TO THE PROVISIONS OF SECTION 62.22 AND 84.095, WISCONSIN STATUTES.

SCHEDULE OF LANDS AND INTERESTS REQUIRED

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	FEE REQ'D.	P.L.E. SQ. FT. REQ'D.	T.L.E. SQ. FT. REQ'D.
34	LUTHER MEMORIAL LUTHERAN CHURCH	T.L.E	———	———	3,125
35	MAGS PROPERTIES LLP	T.L.E.	———	———	1,072
37	NORTHSHORE CONDO ASSOC.	T.L.E.	———	———	2,651
38	MICHAEL J. SCHNUR	T.L.E.	———	———	1,387
39	ALLEN T. & LINDA K. MURSAU	T.L.E.	———	———	1,223
75	AT &T WISCONSIN	TEMP. CONSTRUCTION EASEMENT	———	———	———
80	WISCONSIN POWER & LIGHT CO.	TEMP. CONSTRUCTION EASEMENT	———	———	———

OWNERS' NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

THE RIGHT-OF-WAY LINES OF EISNER AVENUE ARE BASED ON TOWN OF SHEBOYGAN ROAD RECORDS, THE PLAT OF NORTH SHORE SUBDIVISION NO. 2 AND THE PLAT OF MEADOWLARK SUBDIVISON.



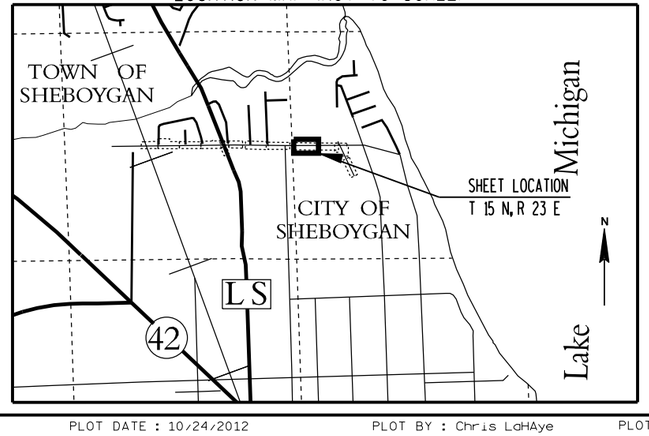
STATION, OFFSET AND COORDINATE TABLE

POINT	STATION	OFFSET	Y	X
DB 226	51+55.25	0.00 L	188223.715	217357.579
DB 227	57+53.76	0.00 R	188213.305	217956.010
DB 228	56+09.73	0.00 L	188215.810	217811.986
TLE 429	51+55.25	33.00 R	188190.720	217357.005
TLE 431	53+55.42	43.00 R	188177.240	217556.969
TLE 432	52+95.88	43.00 R	188178.276	217497.443
TLE 433	52+95.88	68.00 R	188153.279	217497.008
TLE 434	52+50.88	68.00 R	188154.062	217452.015
TLE 435	52+50.88	43.00 R	188179.058	217452.449
TLE 436	51+55.40	43.00 R	188180.719	217356.978
TLE 438	54+14.89	38.00 R	188181.205	217616.516
TLE 439	54+15.08	51.00 R	188168.204	217616.481
TLE 442	56+45.01	50.00 R	188165.204	217846.394
TLE 443	56+45.01	40.00 R	188175.203	217846.568
TLE 444	55+00.01	40.00 R	188177.725	217701.590
TLE 445	55+00.01	50.00 R	188167.726	217701.416
TLE 446	54+50.01	50.00 R	188168.596	217651.423
TLE 447	54+50.01	38.00 R	188180.594	217651.632
TLE 448	56+09.73	40.00 L	188255.804	217812.682
TLE 449	56+09.59	45.00 L	188260.806	217812.629
TLE 450	57+54.50	45.00 L	188258.286	217957.522
TLE 451	57+54.68	40.00 L	188253.283	217957.616
TLE 478	19+20.00	33.00 R	188216.349	214122.388
TLE 479	57+53.00	33.00 R	188180.323	217954.668
TLE 480	57+52.61	50.00 R	188163.333	217953.982
TLE 483	53+55.54	51.00 R	188169.238	217556.947
TLE 486	57+54.94	33.00 L	188246.280	217957.748

COURSE TABLE

FROM -	TO	BEARING	DISTANCE
QTR 50 -	WC 1627	S89°00'12"E	2185.04'
QTR 50 -	DB 226	S89°00'12"E	160.41'
DB 226 -	DB 228	S89°00'12"E	454.48'
DB 228 -	TLE 448	N00°59'48"E	40.00'
TLE 448 -	TLE 449	N00°36'40"W	5.00'
TLE 449 -	TLE 450	S89°00'12"E	144.92'
TLE 450 -	TLE 451	S01°04'36"E	5.00'
TLE 451 -	TLE 486	S01°04'36"E	7.01'
TLE 486 -	DB 227	S03°01'57"W	33.02'
DB 227 -	TLE 479	S02°18'49"W	33.01'
TLE 479 -	TLE 480	S02°18'49"W	17.00'
TLE 480 -	TLE 442	N89°00'12"W	107.60'
TLE 442 -	TLE 443	N00°59'48"E	10.00'
TLE 443 -	TLE 444	N89°00'12"W	145.00'
TLE 444 -	TLE 445	S00°59'47"W	10.00'
TLE 445 -	TLE 446	N89°00'12"W	50.00'
TLE 446 -	TLE 447	N00°59'48"E	12.00'
TLE 447 -	TLE 438	N89°00'12"E	35.12'
TLE 438 -	TLE 439	S00°09'18"W	13.00'
TLE 439 -	TLE 483	N89°00'17"W	59.54'
TLE 483 -	TLE 431	N00°09'18"E	8.00'
TLE 431 -	TLE 432	N89°00'12"W	59.54'
TLE 432 -	TLE 433	S00°59'48"W	25.00'
TLE 433 -	TLE 434	N89°00'12"W	45.00'
TLE 434 -	TLE 435	N00°49'47"E	25.00'
TLE 435 -	TLE 436	N89°00'12"W	95.49'
TLE 436 -	TLE 429	N00°09'18"E	10.00'
TLE 429 -	DB 226	N00°59'48"E	33.00'

LOCATION MAP (NOT TO SCALE)



FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF REGISTER OF DEEDS IN SHEBOYGAN COUNTY AS SHEET 2 OF 2 OF DOCUMENT NO.0000000 AND FILED IN CABINET 1, ENVELOPE 000.

SCALE 0' 10' 20' 40'

PREPARED BY: AECOM 4135 TECHNOLOGY PARKWAY SHEBOYGAN, WI 53083 T 920-458-8711 WWW.AECOM.COM

I, KENNETH R. WOLF, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF SHEBOYGAN, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 4996-01-56- 4.09 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

(SIGNATURE) Kenneth R. Wolf DATE 7/30/12

(PRINTED NAME) KENNETH R. WOLF

(REGISTRATION NUMBER) S-1421

KENNETH R. WOLF S-1421 SHEBOYGAN, WISCONSIN LAND SURVEYOR

THIS PLAT IS APPROVED FOR THE CITY OF SHEBOYGAN

(SIGNATURE) _____ DATE _____

(PRINTED NAME) _____ CLERK

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 4996-01-56
AMENDMENT NO:

ACCEPTED FOR RECORDING AND FILING IN THE OFFICE OF THE REGISTER OF DEEDS IN SHEBOYGAN COUNTY, WISCONSIN AT ___:___ M ON _____ AS DOCUMENT # _____ AND FILED IN _____

_____
SIGNATURE OF REGISTER OF DEEDS

FILE NAME : L:\work\60164548\000_CADD\SURVEY\RW PLAT\SHEETS\040109_rp.dgn PLOT DATE : 10/24/2012 PLOT BY : Chris LaHaye PLOT NAME : PLOT SCALE : 1:40
APPRAISAL PLAT DATE :

4.09

TRANSPORTATION PROJECT PLAT NO: 4996-01-56 - 4.10

EISNER AVENUE RECONSTRUCTION PROJECT PLAT

PART OF THE SW 1/4 OF THE NW 1/4 OF SECTION 11, T.15N., R.23E., TOWN OF SHEBOYGAN AND PART OF THE NW 1/4 OF THE SW 1/4 OF SECTION 11, T.15N., R.23E., CITY OF SHEBOYGAN, SHEBOYGAN COUNTY, WISCONSIN.

RELOCATION ORDER THE CITY OF SHEBOYGAN EISNER AVENUE RECONSTRUCTION SHEBOYGAN COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF SHEBOYGAN DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, WISCONSIN STATUTES, THE CITY OF SHEBOYGAN HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF SHEBOYGAN, PURSUANT TO THE PROVISIONS OF SECTION 62.22 AND 84.095, WISCONSIN STATUTES.

THE RIGHT-OF-WAY LINES OF EISNER AVENUE ARE BASED ON TOWN OF SHEBOYGAN ROAD RECORDS AND THE RIGHT-OF-WAY LINES OF N. 10TH ST. ARE BASED ON CERTIFIED SURVEY MAPS IN VOL. 15, P. 228-229 AND VOL. 18, P. 163-164.

SCHEDULE OF LANDS AND INTERESTS REQUIRED

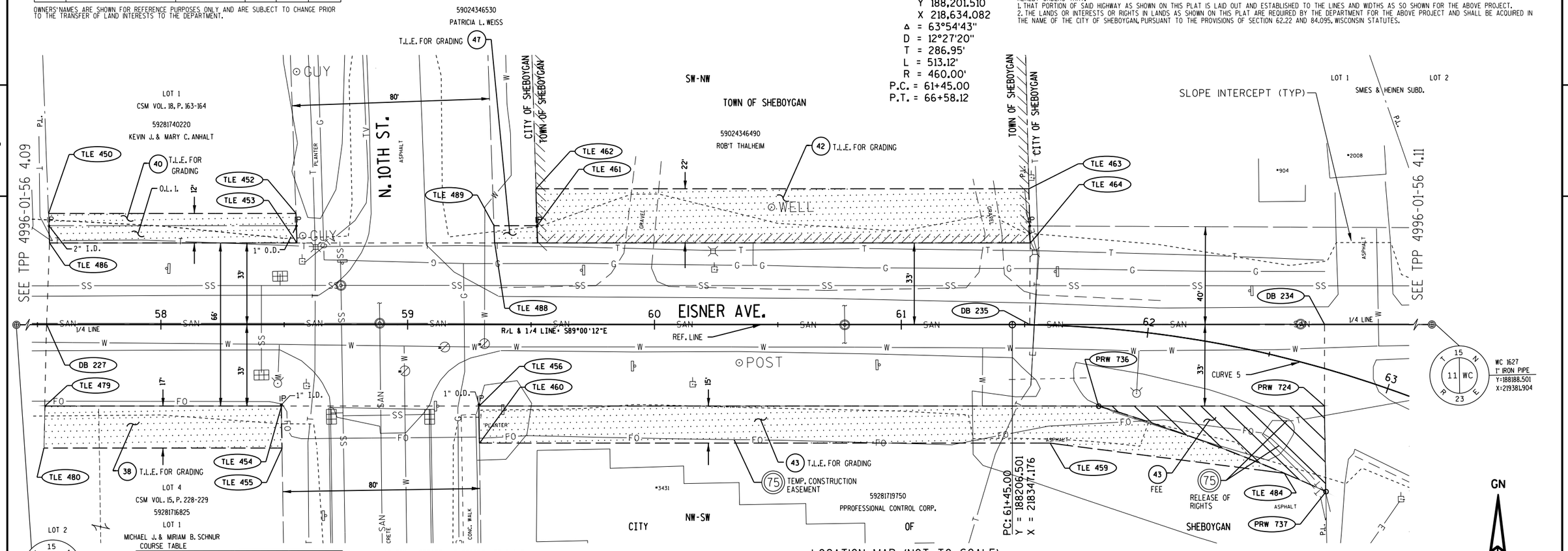
PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	FEE REQ'D.	P.L.E. SQ. FT. REQ'D.	T.L.E. SQ. FT. REQ'D.
38	MICHAEL J. & MIRIAM B. SCHNUR	T.L.E	——	——	1,635
40	KEVIN J. & MARY C. ANHALT	T.L.E.	——	——	1,203
42	ROB'T THALHEIM	T.L.E.	——	——	4,393
43	PROFESSIONAL CONTROL CORP.	FEE & T.L.E.	1,477	——	4,507
47	PATRICIA L. WEISS	T.L.E.	——	——	603
75	AT & T WISCONSIN	RELEASE OF RIGHTS & TEMP. CONSTRUCTION EASEMENT	——	——	——

OWNERS' NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

CURVE TABLE

FROM - TO	RADIUS	DELTA	LENGTH	CHORD	CHORD BEARING
PRW 737 - TLE 484	742.39'	01°25'13"	18.40'	18.40'	N65°19'16"W
PRW 736 - TLE 484	742.39'	06°10'44"	80.06'	80.02'	N69°07'15"W

R/L CURVE 5 DATA
P.I. = 64+31.95
Y 188,201.510
X 218,634.082
Δ = 63°54'43"
D = 12°27'20"
T = 286.95'
L = 513.12'
R = 460.00'
P.C. = 61+45.00
P.T. = 66+58.12



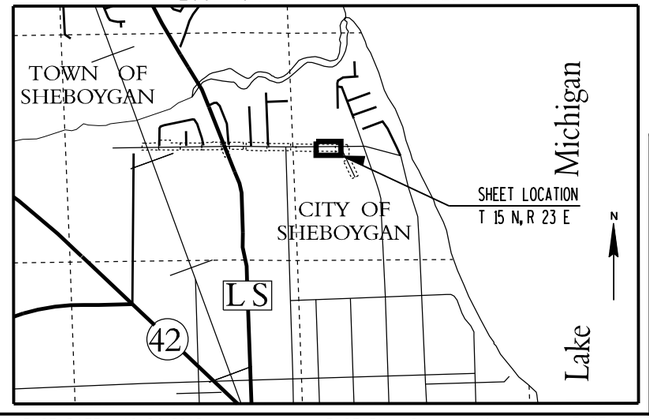
COURSE TABLE

FROM - TO	BEARING	DISTANCE
QTR 50 - WC 1627	S89°00'12"E	2185.04'
QTR 50 - DB 227	S89°00'12"E	758.92'
DB 227 - TLE 486	N03°01'57"E	33.02'
TLE 486 - TLE 450	N01°04'36"W	12.00'
TLE 450 - TLE 452	S89°00'12"E	100.29'
TLE 452 - TLE 453	S01°01'05"E	12.01'
TLE 453 - TLE 488	S89°00'12"E	80.05'
TLE 488 - TLE 489	N01°01'05"W	7.00'
TLE 489 - TLE 461	S89°00'12"E	17.45'
TLE 461 - TLE 462	N00°42'17"W	15.01'
TLE 462 - TLE 463	S89°00'12"E	199.73'
TLE 463 - TLE 464	S00°21'21"E	22.01'
TLE 464 - DB 235	S01°17'01"W	33.00'
DB 235 - DB 234	S89°00'12"E	119.43'
DB 234 - PRW 724	S00°59'48"W	33.00'
PRW 724 - PRW 737	S00°04'53"W	34.61'
PRW 737 - TLE 484	CURVE	
TLE 484 - TLE 459	N81°40'07"W	95.68'
TLE 459 - TLE 460	N89°00'12"W	231.24'
TLE 460 - TLE 456	N00°05'18"E	15.00'
TLE 456 - TLE 454	N89°00'12"W	80.01'
TLE 454 - TLE 455	S00°05'18"W	17.00'
TLE 455 - TLE 480	N89°00'12"W	96.52'
TLE 480 - TLE 479	N02°18'49"E	17.00'
TLE 479 - DB 227	N02°18'49"E	33.01'
PRW 736 - PRW 724	S89°00'12"E	91.55'
PRW 724 - PRW 737	S00°04'53"W	34.61'

STATION, OFFSET AND COORDINATE TABLE

POINT	STATION	OFFSET	Y	X
DB 227	57+53.76	0.00 R	188213.305	217956.001
DB 234	62+68.49	17.09 L	188204.300	218473.703
DB 235	61+52.11	0.06 L	188206.377	218354.289
TLE 450	57+54.50	45.00 L	188258.286	217957.522
TLE 451	57+54.68	40.00 L	188253.283	217957.616
TLE 452	58+54.79	45.00 L	188256.541	218057.800
TLE 453	58+55.22	33.00 L	188244.536	218058.013
TLE 454	58+48.86	33.00 R	188178.656	218050.508
TLE 455	58+49.13	50.00 R	188161.654	218050.482
TLE 456	59+28.87	33.00 R	188177.265	218130.506
TLE 459	61+62.13	47.71 R	188158.241	218361.691
TLE 460	59+29.11	48.00 R	188162.263	218130.483
TLE 461	59+52.47	40.00 L	188249.843	218155.377
TLE 462	59+52.03	55.00 L	188264.849	218155.193
TLE 463	61+51.03	55.04 L	188261.375	218354.891
TLE 464	61+51.79	33.05 L	188239.369	218355.028
TLE 484	62+68.77	45.29 R	188144.378	218456.357
PRW 724	62+77.53	14.64 R	188171.305	218473.129
PRW 736	61+82.61	31.57 R	188172.897	218381.591
PRW 737	62+89.09	47.54 R	188136.693	218473.080
TLE 486	57+54.94	33.00 L	188246.280	217957.748
TLE 488	59+35.27	33.00 L	188243.143	218138.051
TLE 489	59+35.02	40.00 L	188250.147	218137.926

LOCATION MAP (NOT TO SCALE)



FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF REGISTER OF DEEDS IN SHEBOYGAN COUNTY AS SHEET 2 OF 2 OF DOCUMENT NO.0000000 AND FILED IN CABINET 1, ENVELOPE 000.

PREPARED BY: AECOM
4135 TECHNOLOGY PARKWAY
SHEBOYGAN, WI 53083
T 920-458-8711 WWW.AECOM.COM

I, KENNETH R. WOLF, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF SHEBOYGAN, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 4996-01-56- 4.10 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

(SIGNATURE) Kenneth R. Wolf DATE 7/30/12
(PRINTED NAME) KENNETH R. WOLF
(REGISTRATION NUMBER) S-1421

KENNETH R. WOLF S-1421 SHEBOYGAN, WISCONSIN LAND SURVEYOR

THIS PLAT IS APPROVED FOR THE CITY OF SHEBOYGAN

(SIGNATURE) _____ DATE _____
(PRINTED NAME) _____
CLERK

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 4996-01-56
AMENDMENT NO:

ACCEPTED FOR RECORDING AND FILING IN THE OFFICE OF THE REGISTER OF DEEDS IN SHEBOYGAN COUNTY, WISCONSIN AT ____:____ M ON _____ AS DOCUMENT #_____ AND FILED IN _____

_____
SIGNATURE OF REGISTER OF DEEDS

FILE NAME : L:\work\60164548\000_CADD\SURVEY\RW PLAT\SHEETS\040110_rp.dgn
APPRAISAL PLAT DATE :
PLOT DATE : 10/24/2012 PLOT BY : Chris LaHaye PLOT NAME : PLOT SCALE : 1:40

4.10

TRANSPORTATION PROJECT PLAT NO: 4996-01-56 - 4.11

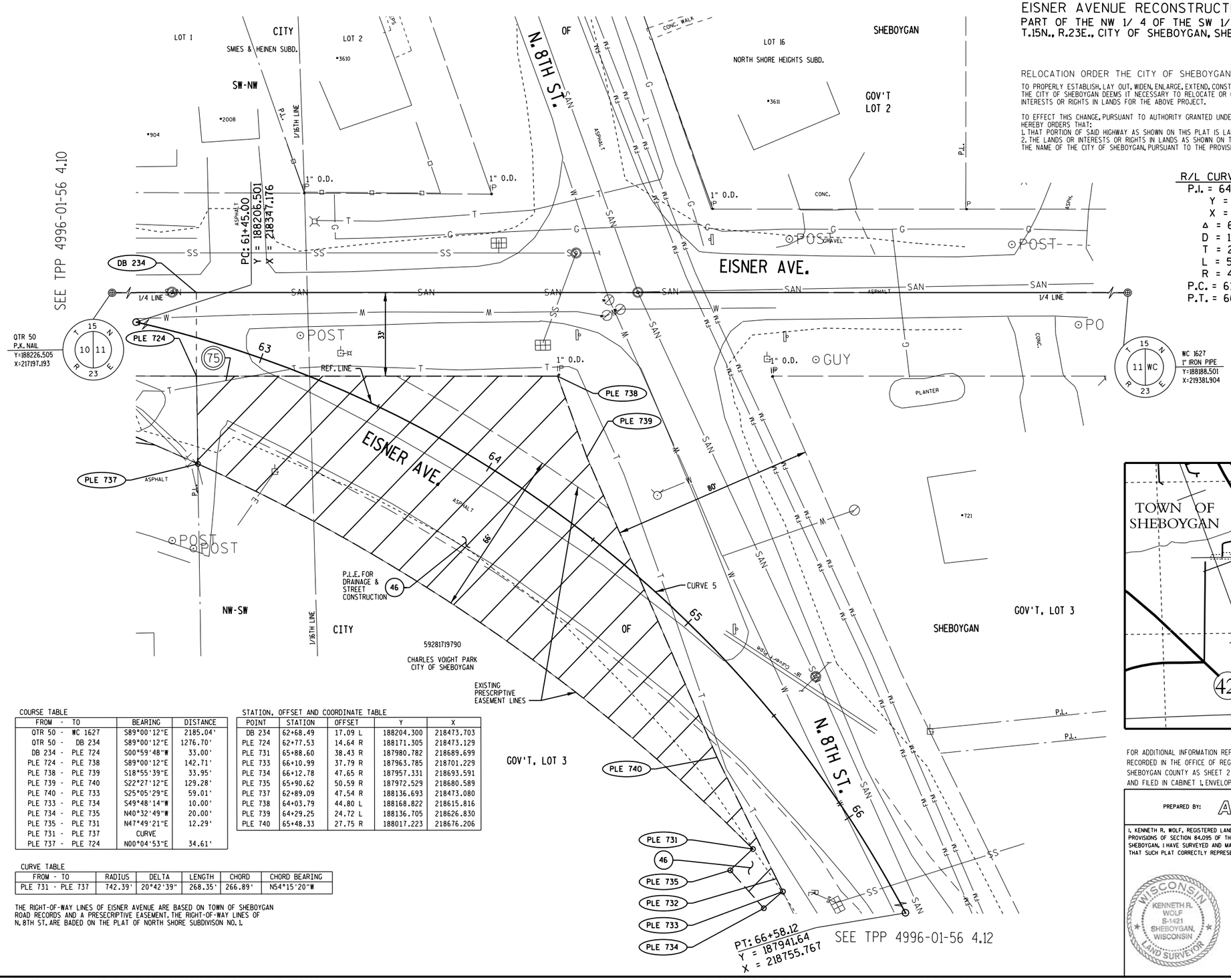
EISNER AVENUE RECONSTRUCTION PROJECT PLAT

PART OF THE NW 1/ 4 OF THE SW 1/ 4 AND PART OF GOVERNMENT LOT 3, SECTION 11, T.15N., R.23E., CITY OF SHEBOYGAN, SHEBOYGAN COUNTY, WISCONSIN

RELOCATION ORDER THE CITY OF SHEBOYGAN EISNER AVENUE RECONSTRUCTION SHEBOYGAN COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF SHEBOYGAN DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, WISCONSIN STATUTES, THE CITY OF SHEBOYGAN HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF SHEBOYGAN, PURSUANT TO THE PROVISIONS OF SECTION 62.22 AND 84.095, WISCONSIN STATUTES.



R/L CURVE 5 DATA

P.I. = 64+31.95
Y = 188201.510
X = 218634.082
Δ = 63°54'43"
D = 12°27'20"
T = 286.95'
L = 513.12'
R = 460.00'
P.C. = 61+45.00
P.T. = 66+58.15

SCHEDULE OF LANDS AND INTERESTS REQUIRED

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	FEE REQ'D.	P.L.E. SQ. FT. REQ'D.	T.L.E. SQ. FT. REQ'D.
46	CITY OF SHEBOYGAN	P.L.E.	——	15,184	——
75	AT & T WISCONSIN	TEMP. CONSTRUCTION EASEMENT	——	——	——

OWNERS' NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

COURSE TABLE

FROM - TO	BEARING	DISTANCE
OTR 50 - WC 1627	S89°00'12"E	2185.04'
OTR 50 - DB 234	S89°00'12"E	1276.70'
DB 234 - PLE 724	S00°59'48"W	33.00'
PLE 724 - PLE 738	S89°00'12"E	142.71'
PLE 738 - PLE 739	S18°55'39"E	33.95'
PLE 739 - PLE 740	S22°27'12"E	129.28'
PLE 740 - PLE 733	S25°05'29"E	59.01'
PLE 733 - PLE 734	S49°48'14"W	10.00'
PLE 734 - PLE 735	N40°32'49"W	20.00'
PLE 735 - PLE 731	N47°49'21"E	12.29'
PLE 731 - PLE 737	CURVE	
PLE 737 - PLE 724	N00°04'53"E	34.61'

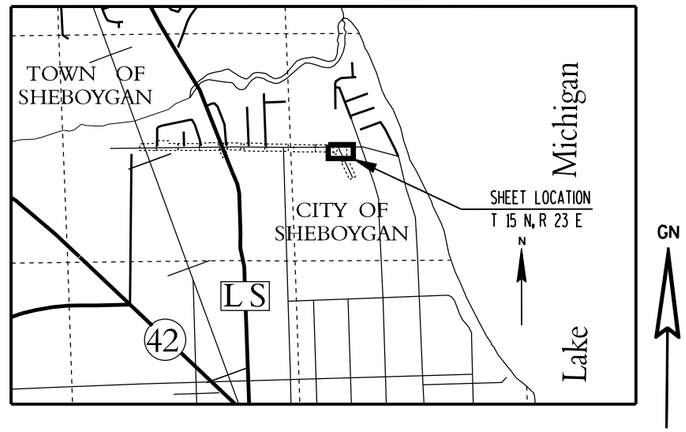
STATION, OFFSET AND COORDINATE TABLE

POINT	STATION	OFFSET		Y	X
DB 234	62+68.49	17.09	L	188204.300	218473.703
PLE 724	62+77.53	14.64	R	188171.305	218473.129
PLE 731	65+88.60	38.43	R	187980.782	218689.699
PLE 733	66+10.99	37.79	R	187963.785	218701.229
PLE 734	66+12.78	47.65	R	187957.331	218693.591
PLE 735	65+90.62	50.59	R	187972.529	218680.589
PLE 737	62+89.09	47.54	R	188136.693	218473.080
PLE 738	64+03.79	44.80	L	188168.822	218615.816
PLE 739	64+29.25	24.72	L	188136.705	218626.830
PLE 740	65+48.33	27.75	R	188017.223	218676.206

CURVE TABLE

FROM - TO	RADIUS	DELTA	LENGTH	CHORD	CHORD BEARING
PLE 731 - PLE 737	742.39'	20°42'39"	268.35'	266.89'	N54°15'20"W

THE RIGHT-OF-WAY LINES OF EISNER AVENUE ARE BASED ON TOWN OF SHEBOYGAN ROAD RECORDS AND A PRESECRIPTIVE EASEMENT. THE RIGHT-OF-WAY LINES OF N. 8TH ST. ARE BADED ON THE PLAT OF NORTH SHORE SUBDIVISON NO. 1.



FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF REGISTER OF DEEDS IN SHEBOYGAN COUNTY AS SHEET 2 OF 2 OF DOCUMENT NO.0000000 AND FILED IN CABINET 1, ENVELOPE 000.

SCALE 0' 10' 20' 40'

PREPARED BY: AECOM
4135 TECHNOLOGY PARKWAY
SHEBOYGAN, WI 53083
T 920-458-8711 WWW.AECOM.COM

I, KENNETH R. WOLF, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF SHEBOYGAN, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 4996-01-56- 4.11 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

(SIGNATURE) Kenneth R. Wolf DATE 7/30/12
(PRINTED NAME) KENNETH R. WOLF
(REGISTRATION NUMBER) S-1421
THIS PLAT IS APPROVED FOR THE CITY OF SHEBOYGAN
(SIGNATURE) _____ DATE _____
(PRINTED NAME) _____
CLERK

WISCONSIN KENNETH R. WOLF S-1421 SHEBOYGAN, WISCONSIN LAND SURVEYOR

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 4996-01-56
AMENDMENT NO:

ACCEPTED FOR RECORDING AND FILING IN THE OFFICE OF THE REGISTER OF DEEDS IN SHEBOYGAN COUNTY, WISCONSIN AT --:-- -M ON _____ AS DOCUMENT #_____ AND FILED IN _____

_____
SIGNATURE OF REGISTER OF DEEDS

FILE NAME : L:\work\60164548\000_CADD\SURVEY\RW PLAT\SHEETS\040111_rp.dgn
APPRAISAL PLAT DATE :
PLOT DATE : 7/30/2012
PLOT BY : Chris LaHaye
PLOT NAME :
PLOT SCALE : 1:40

4.11

TRANSPORTATION PROJECT PLAT NO: 4996-01-56 - 4.12

EISNER AVENUE RECONSTRUCTION PROJECT PLAT

PART OF GOVERNMENT LOT 3, SECTION 11, AND PART OF LOT 1, BLOCK 10, NORTH SHORE SUBDIVISION NO. 1, LOCATED IN GOVERNMENT LOT 3, SECTION 11, T. 15N., R.23E., CITY OF SHEBOYGAN, SHEBOYGAN COUNTY, WISCONSIN.

RELOCATION ORDER THE CITY OF SHEBOYGAN EISNER AVENUE RECONSTRUCTION SHEBOYGAN COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF SHEBOYGAN DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

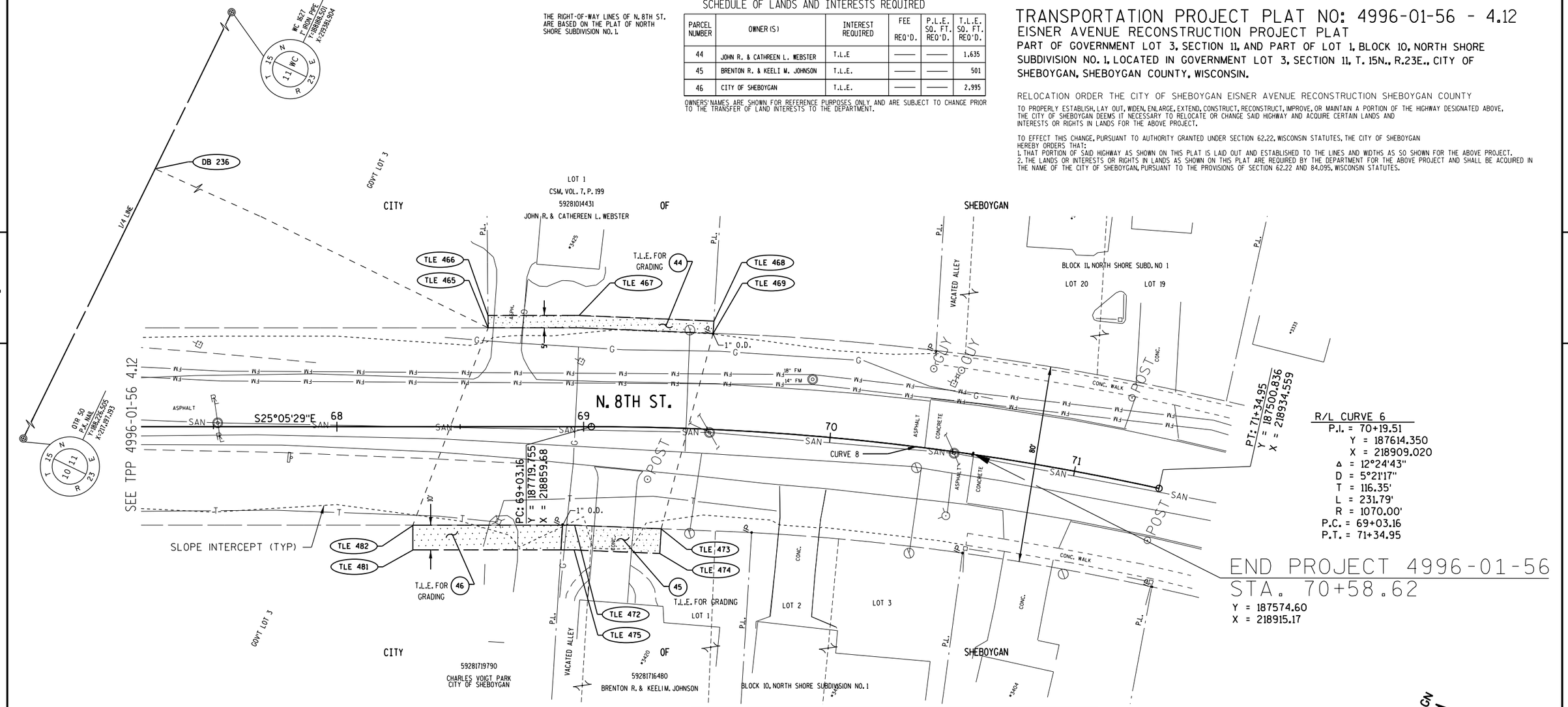
TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, WISCONSIN STATUTES, THE CITY OF SHEBOYGAN HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF SHEBOYGAN, PURSUANT TO THE PROVISIONS OF SECTION 62.22 AND 84.095, WISCONSIN STATUTES.

SCHEDULE OF LANDS AND INTERESTS REQUIRED

THE RIGHT-OF-WAY LINES OF N. 8TH ST. ARE BASED ON THE PLAT OF NORTH SHORE SUBDIVISION NO. 1.

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	FEE REQ'D.	P.L.E. SQ. FT. REQ'D.	T.L.E. SQ. FT. REQ'D.
44	JOHN R. & CATHREEN L. WEBSTER	T.L.E	———	———	1,635
45	BRENTON R. & KEELI M. JOHNSON	T.L.E.	———	———	501
46	CITY OF SHEBOYGAN	T.L.E.	———	———	2,995

OWNERS' NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.



R/L CURVE 6
P.I. = 70+19.51
Y = 187614.350
X = 218909.020
Δ = 12°24'43"
D = 5°21'17"
T = 116.35'
L = 231.79'
R = 1070.00'
P.C. = 69+03.16
P.T. = 71+34.95

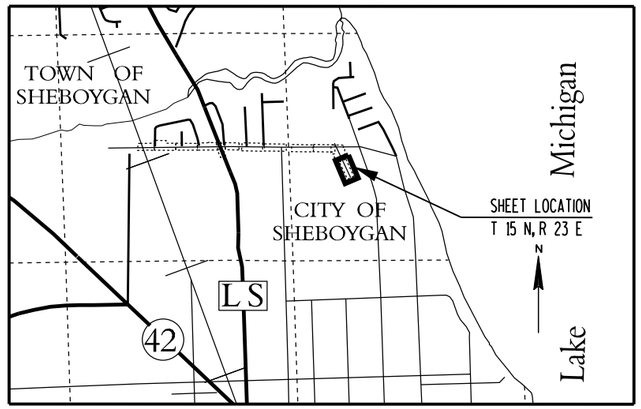
END PROJECT 4996-01-56
STA. 70+58.62
Y = 187574.60
X = 218915.17

COURSE TABLE

FROM -	TO	BEARING	DISTANCE
QTR 50 -	WC 1627	S89°00'12"E	2185.04'
QTR 50 -	DB 236	S89°00'12"E	1655.58'
DB 236 -	TLE 465	S00°59'48"W	422.63'
TLE 465 -	TLE 466	N64°22'53"E	5.00'
TLE 466 -	TLE 467	S25°05'29"E	36.86'
TLE 467 -	TLE 468	S22°43'01"E	54.71'
TLE 468 -	TLE 469	S68°20'53"W	5.00'
TLE 469 -	TLE 473	S79°46'37"W	81.94'
TLE 473 -	TLE 474	S68°27'18"W	10.00'
TLE 474 -	TLE 475	N22°43'01"W	34.71'
TLE 475 -	TLE 481	N25°05'29"W	65.31'
TLE 481 -	TLE 482	N64°54'31"E	10.00'
TLE 482 -	TLE 465	N85°45'20"E	85.60'

STATION, OFFSET AND COORDINATE TABLE

POINT	STATION	OFFSET		Y	X
DB 236	65+42.34	248.16	L	188197.136	218885.514
TLE 465	68+61.32	40.00	L	187774.575	218878.163
TLE 466	68+61.27	45.00	L	187776.737	218882.672
TLE 467	68+98.13	45.00	L	187743.358	218898.301
TLE 468	69+50.85	43.84	L	187692.897	218919.427
TLE 469	69+50.77	38.84	L	187691.052	218914.779
TLE 472	68+96.37	40.00	R	187708.908	218820.575
TLE 473	69+32.59	41.07	R	187676.509	218834.139
TLE 474	69+32.23	51.06	R	187672.836	218824.836
TLE 475	68+96.16	50.00	R	187704.855	218811.431
TLE 481	68+30.85	50.00	R	187763.998	218783.737
TLE 482	68+30.85	40.00	R	187768.239	218792.794



FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF REGISTER OF DEEDS IN SHEBOYGAN COUNTY AS SHEET 2 OF 2 OF DOCUMENT NO.0000000 AND FILED IN CABINET 1, ENVELOPE 000.

GN

0' 10' 20' 40'
SCALE

PREPARED BY: AECOM
4135 TECHNOLOGY PARKWAY
SHEBOYGAN, WI 53083
T 920-458-8711 WWW.AECOM.COM

I, KENNETH R. WOLF, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF SHEBOYGAN, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 4996-01-56- 4.12 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

(SIGNATURE) Kenneth R. Wolf DATE 7/30/12
(PRINTED NAME) KENNETH R. WOLF
(REGISTRATION NUMBER) S-1421

KENNETH R. WOLF S-1421 SHEBOYGAN, WISCONSIN LAND SURVEYOR

THIS PLAT IS APPROVED FOR THE CITY OF SHEBOYGAN

(SIGNATURE) _____ DATE _____
(PRINTED NAME) _____
CLERK

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 4996-01-56
AMENDMENT NO:

ACCEPTED FOR RECORDING AND FILING IN THE OFFICE OF THE REGISTER OF DEEDS IN SHEBOYGAN COUNTY, WISCONSIN AT ..:.. .M ON _____ AS DOCUMENT *_____ AND FILED IN _____

_____
SIGNATURE OF REGISTER OF DEEDS

FILE NAME : L:\work\60164548\000_CADD\SURVEY\RW PLAT\SHEETS\040112_rp.dgn
APPRAISAL PLAT DATE :
PLOT DATE : 7/30/2012 PLOT BY : Chris LaHaye PLOT NAME : PLOT SCALE : 1:40

4.12

BENCH MARK TABLE

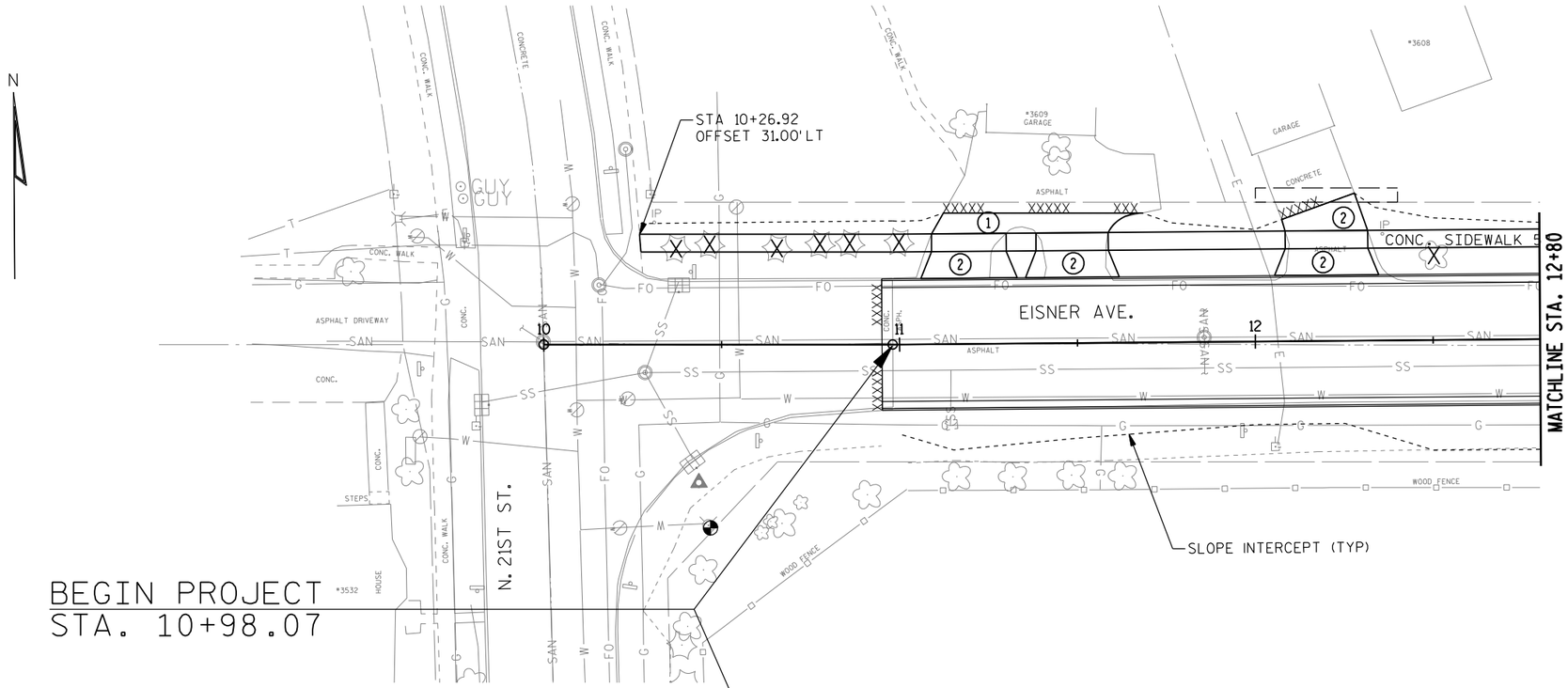
NO.	STATION	DESCRIPTION	ELEV.
1	10+46 RT	TOP OF HYD @ SE CORN. EISNER & 21ST	64.29

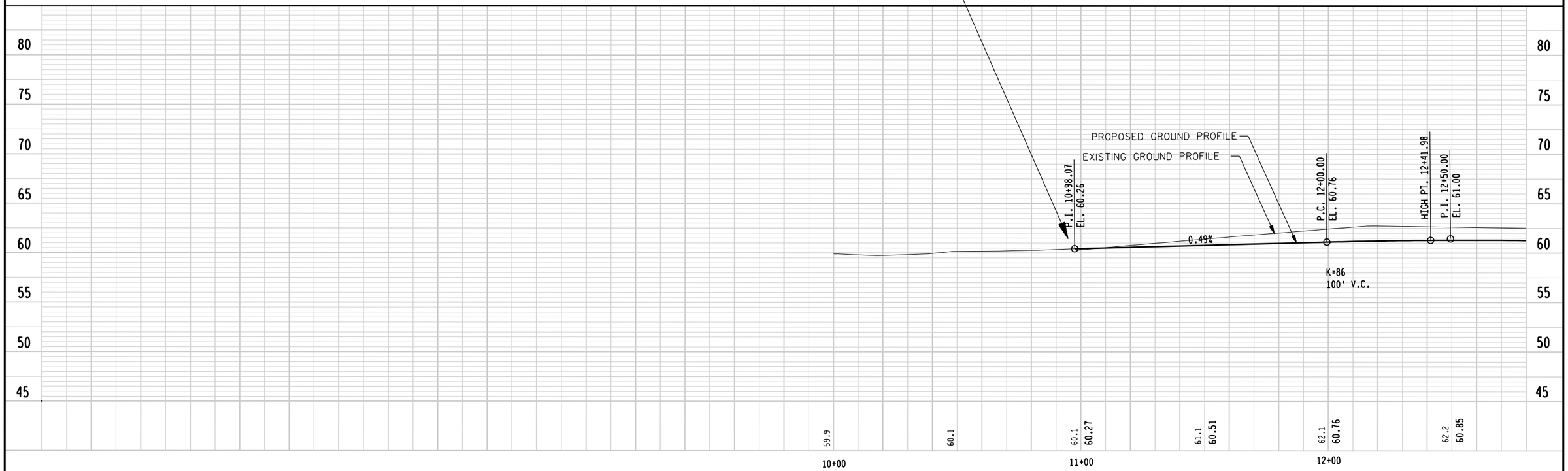
(1) ASPHALTIC SURFACE DRIVEWAYS & FIELD ENTRANCES (SEE DETAIL FOR THICKNESS)

(2) CONCRETE DRIVEWAY (SEE DETAIL FOR THICKNESS)

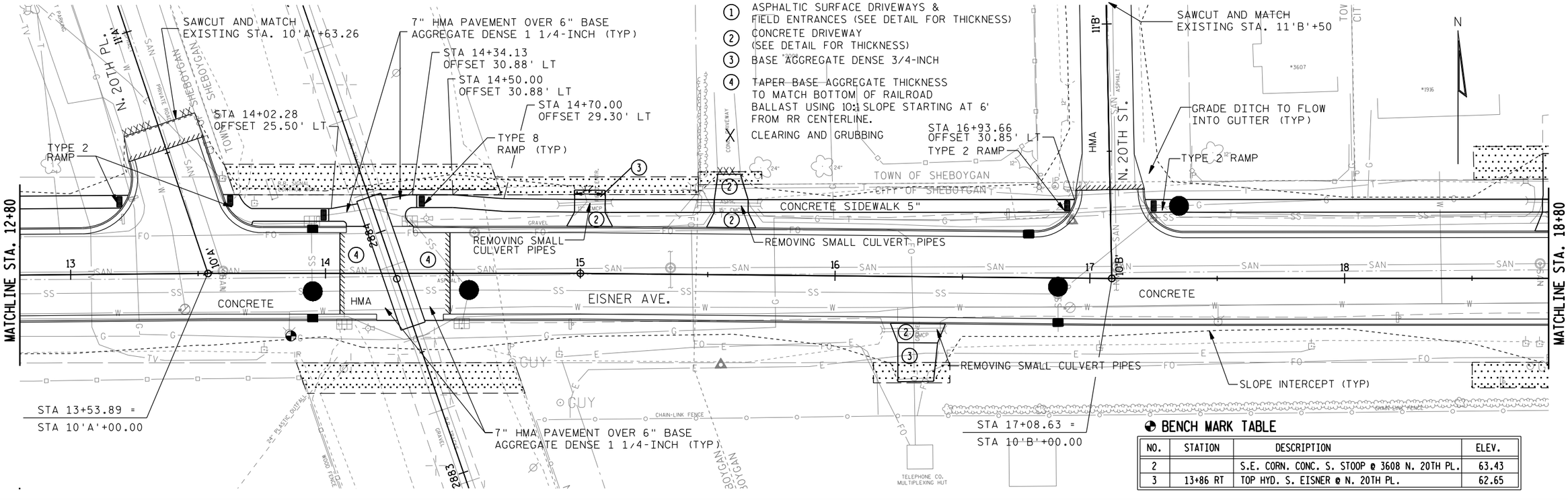
(3) BASE AGGREGATE DENSE 3/4-INCH

X CLEARING AND GRUBBING



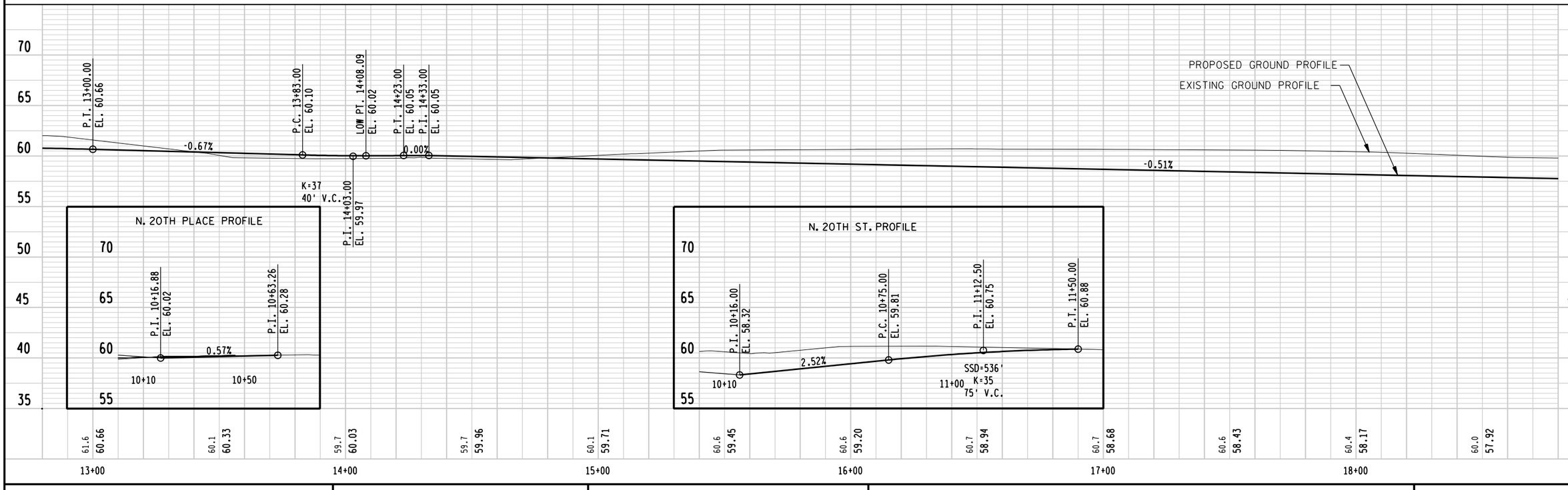


PROJECT NUMBER: 4996-01-56	HWY: EISNER AVENUE	COUNTY: SHEBOYGAN	PLAN AND PROFILE	SHEET 164	E



BENCH MARK TABLE

NO.	STATION	DESCRIPTION	ELEV.
2		S.E. CORN. CONC. S. STOOP @ 3608 N. 20TH PL.	63.43
3	13+86 RT	TOP HYD. S. EISNER @ N. 20TH PL.	62.65



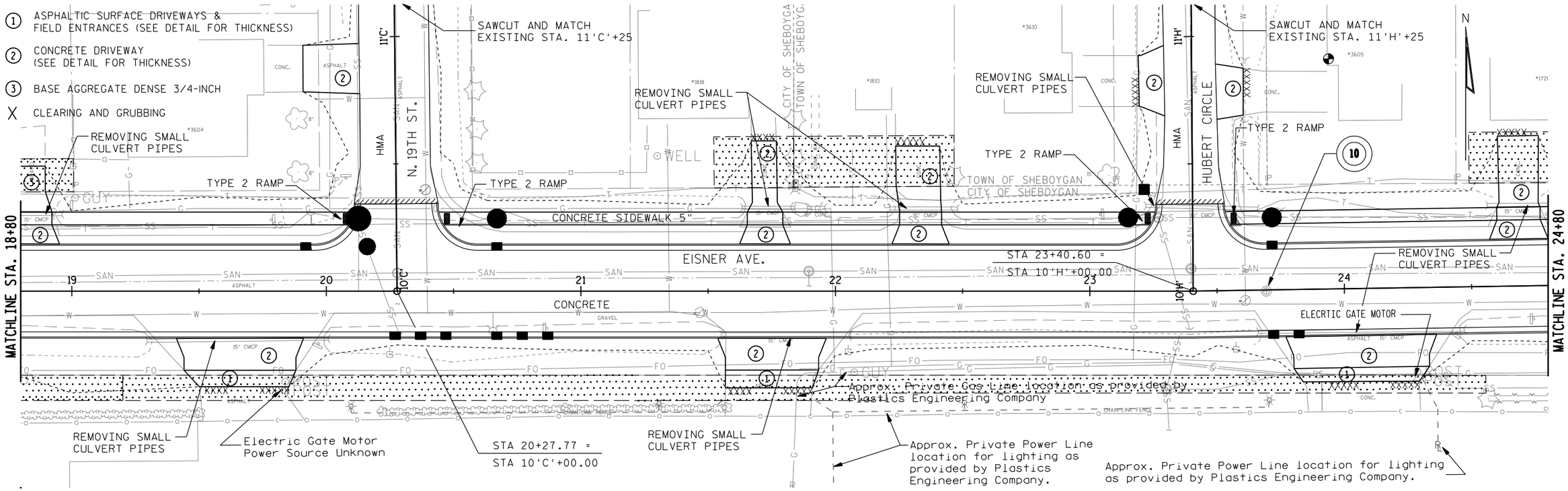
PROJECT NUMBER: 4996-01-56	HWY: EISNER AVENUE	COUNTY: SHEBOYGAN	PLAN AND PROFILE	SHEET 165	E

1 ASPHALTIC SURFACE DRIVEWAYS & FIELD ENTRANCES (SEE DETAIL FOR THICKNESS)

2 CONCRETE DRIVEWAY (SEE DETAIL FOR THICKNESS)

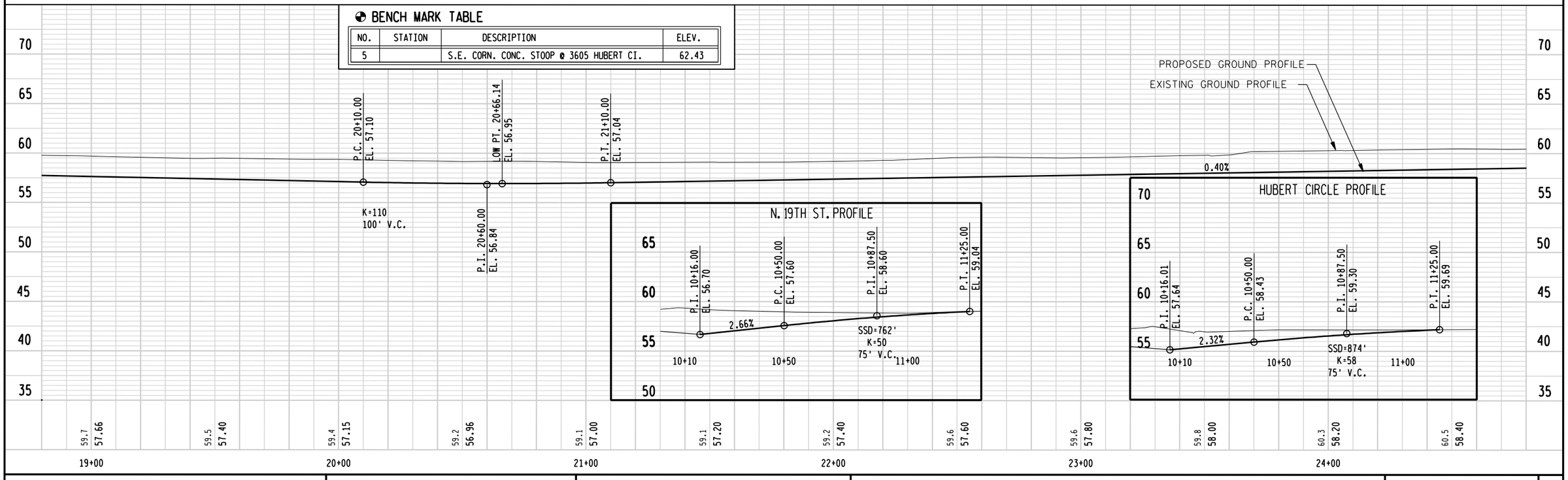
3 BASE AGGREGATE DENSE 3/4-INCH

X CLEARING AND GRUBBING

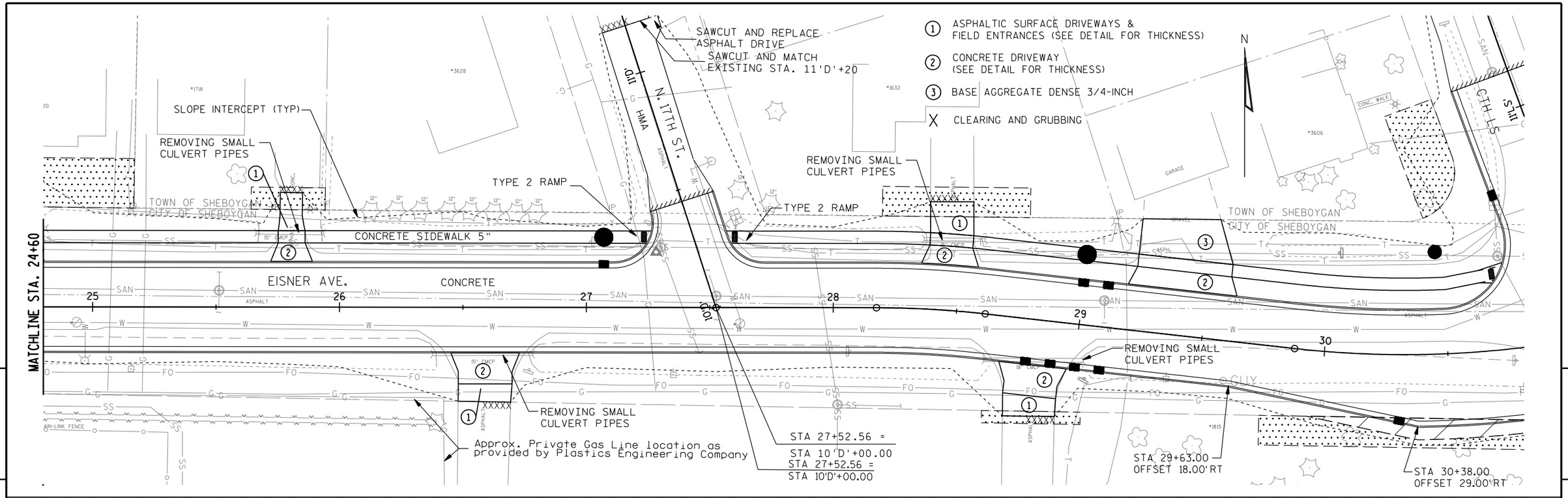


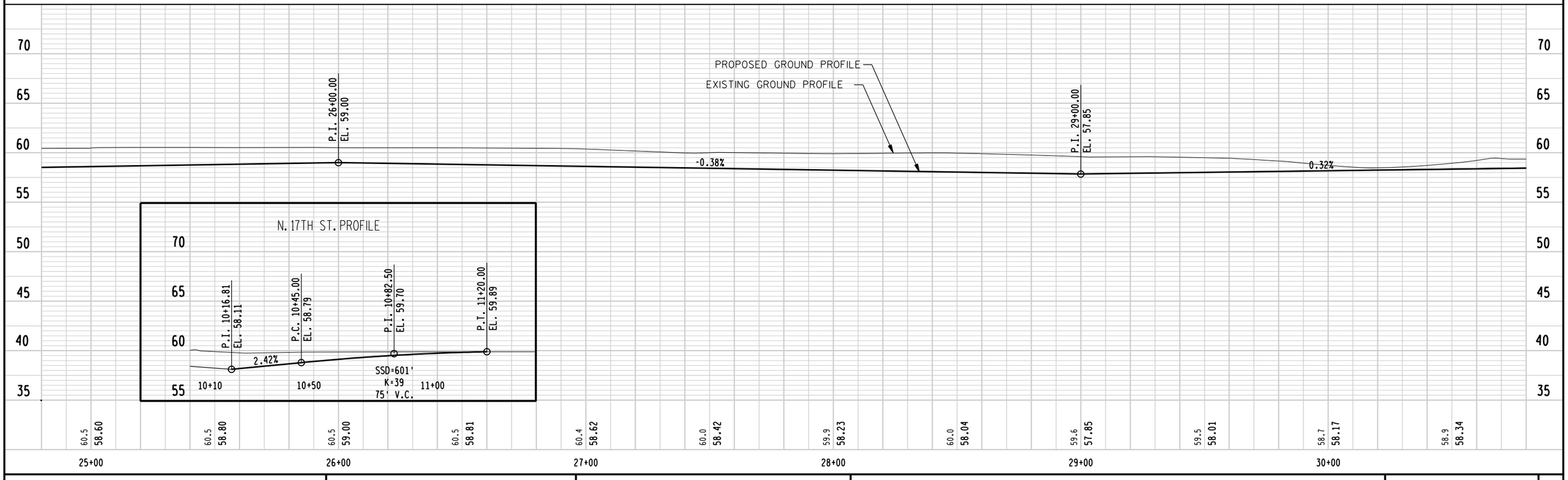
BENCH MARK TABLE

NO.	STATION	DESCRIPTION	ELEV.
5		S.E. CORN. CONC. STOOP @ 3605 HUBERT CI.	62.43



PROJECT NUMBER: 4996-01-56	HWY: EISNER AVENUE	COUNTY: SHEBOYGAN	PLAN AND PROFILE	SHEET 166	E





PROJECT NUMBER: 4996-01-56	HWY: EISNER AVENUE	COUNTY: SHEBOYGAN	PLAN AND PROFILE	SHEET 167	E

EQUATION
STA 35+15.35 BK. =
STA 33+13.45 AHD. =
STA 10'K'+00.00

SAWCUT AND MATCH
EXISTING STA. 11'K'+10

① ASPHALTIC SURFACE DRIVEWAYS & FIELD ENTRANCES (SEE DETAIL FOR THICKNESS)

② CONCRETE DRIVEWAY (SEE DETAIL FOR THICKNESS)

X CLEARING AND GRUBBING

SLOPE INTERCEPT (TYP)

N

KOEHLER DR.
ASPHALT HMA

STA 32+10.00
OFFSET 27.00'LT

TYPE 2 RAMP

STA 32+85.00
OFFSET 16.00'LT

TYPE 2 RAMP

TOWN OF SHEBOYGAN
CITY OF SHEBOYGAN

CONCRETE SIDEWALK 5"

EISNER AVE.

CONCRETE

CONCRETE SIDEWALK 5"

MATCHLINE STA. 36+80

STA 31+69.70
OFFSET 39.84'RT

STA 33+13.45 A.H. =
STA 10'K'+00.00

BENCH MARK TABLE

NO.	STATION	DESCRIPTION	ELEV.
7		S.E. CORN. CONC. STOOP @ 1528 EISNER	60.49

PROPOSED GROUND PROFILE
EXISTING GROUND PROFILE

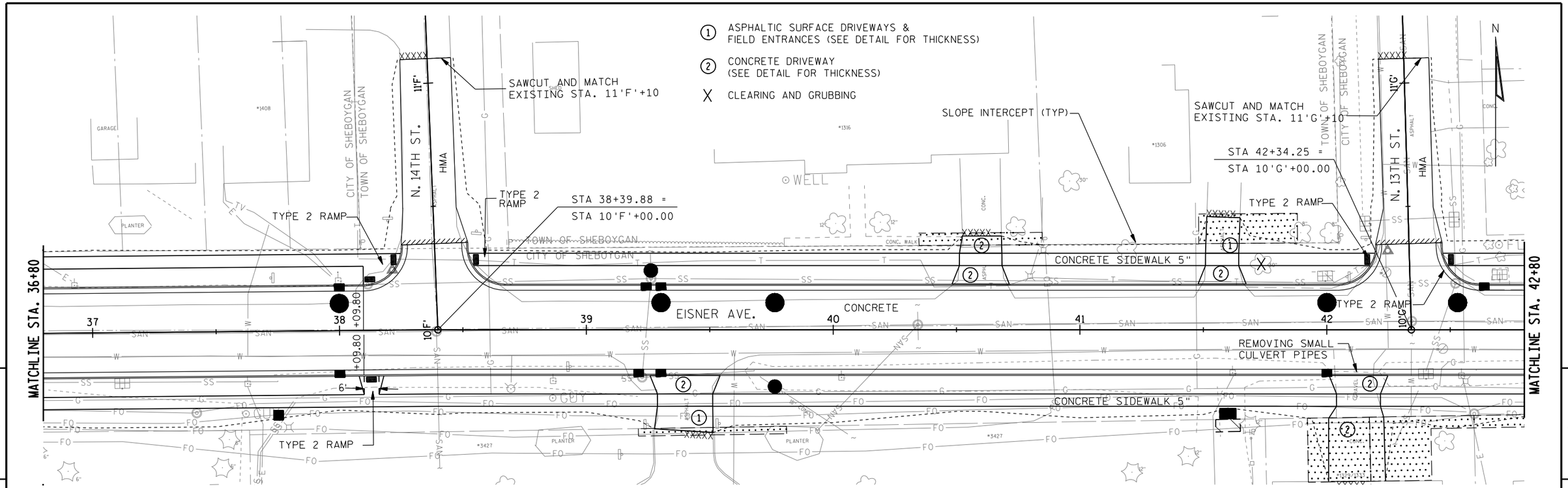
P.I. 30+94.58 EL. 58.48
P.I. 31+16.58 EL. 58.92
P.I. 31+38.58 EL. 58.48
2.00%
-2.00%
-0.51%
P.I. 35+10.00 EL. 56.59
-1.15%

KOEHLER DR. PROFILE
P.I. 10+16.01 EL. 57.30
P.C. 10+35.00 EL. 57.62
P.I. 10+72.50 EL. 58.24
HIGH PT. 10+92.10 EL. 58.09
P.T. 11+10.00 EL. 58.05
1.67%
K=34
75' V.C.
10+10
10+50
11+00

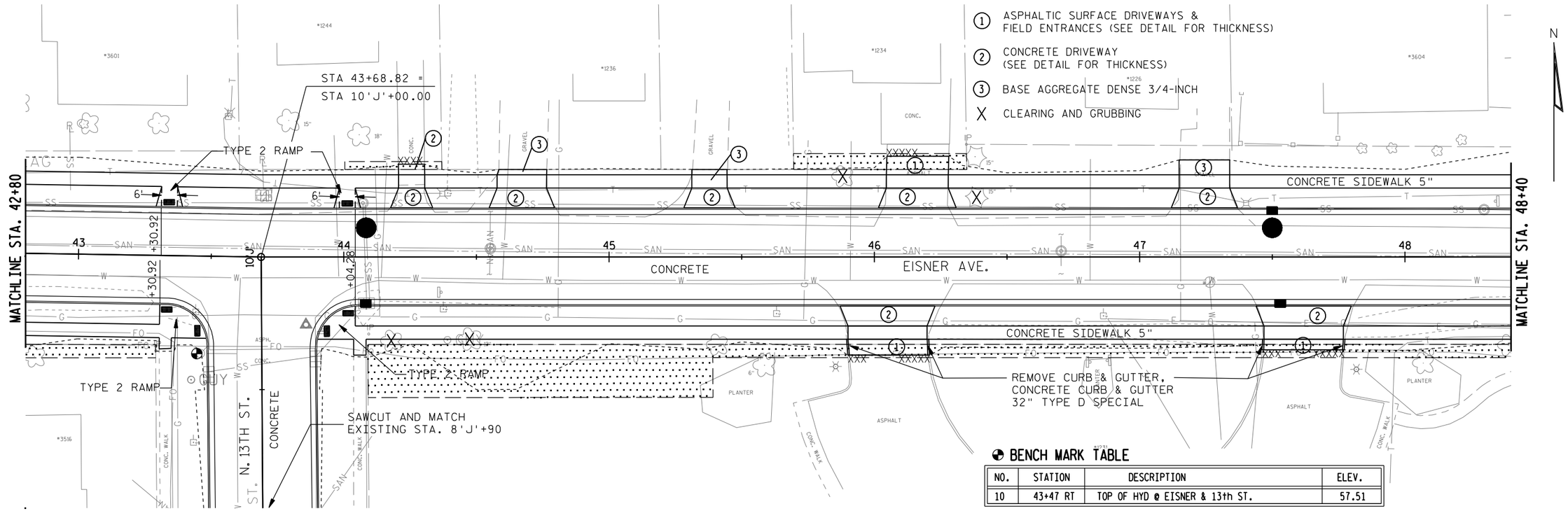
59.5 58.59 | 59.6 58.42 | 59.4 58.17 | 59.3 57.92 | 59.0 57.66 | 59.0 57.59 | 58.9 57.40 | 58.7 57.15 | 58.3 56.89 | 57.8 56.64 | 57.4 56.13 | 57.2 55.55 | 56.6 54.98

31+00 32+00 33+00 33+13 34+00 35+00 36+00

PROJECT NUMBER: 4996-01-56	HWY: EISNER AVENUE	COUNTY: SHEBOYGAN	PLAN AND PROFILE	SHEET 168	E

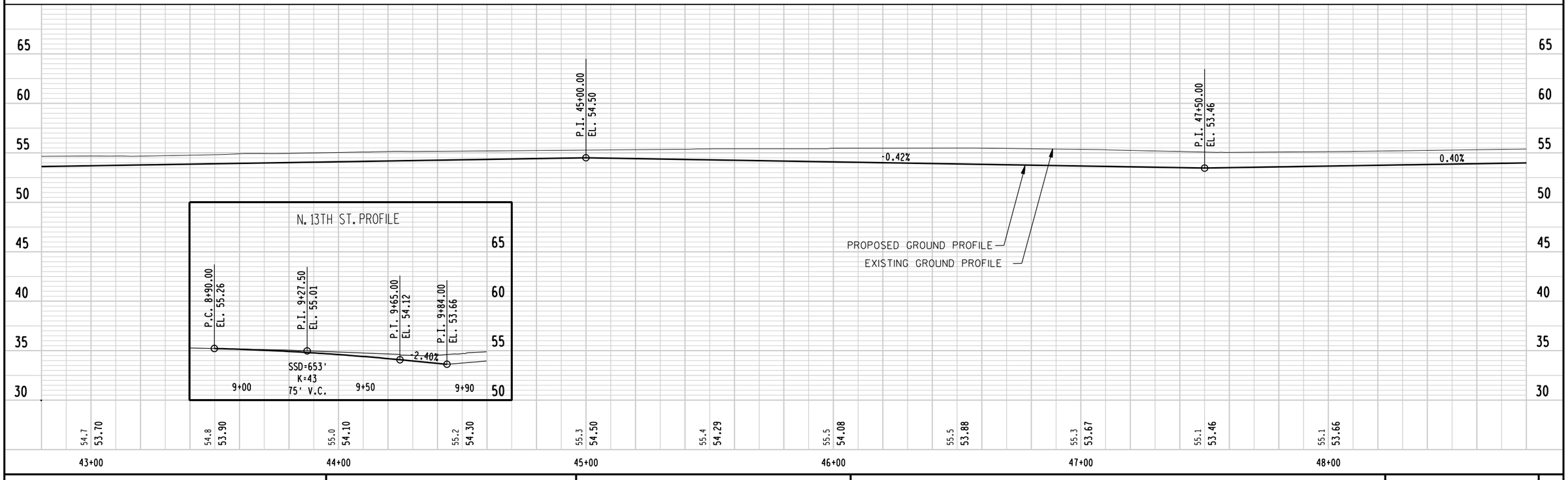


PROJECT NUMBER: 4996-01-56	HWY: EISNER AVENUE	COUNTY: SHEBOYGAN	PLAN AND PROFILE	SHEET 169	E

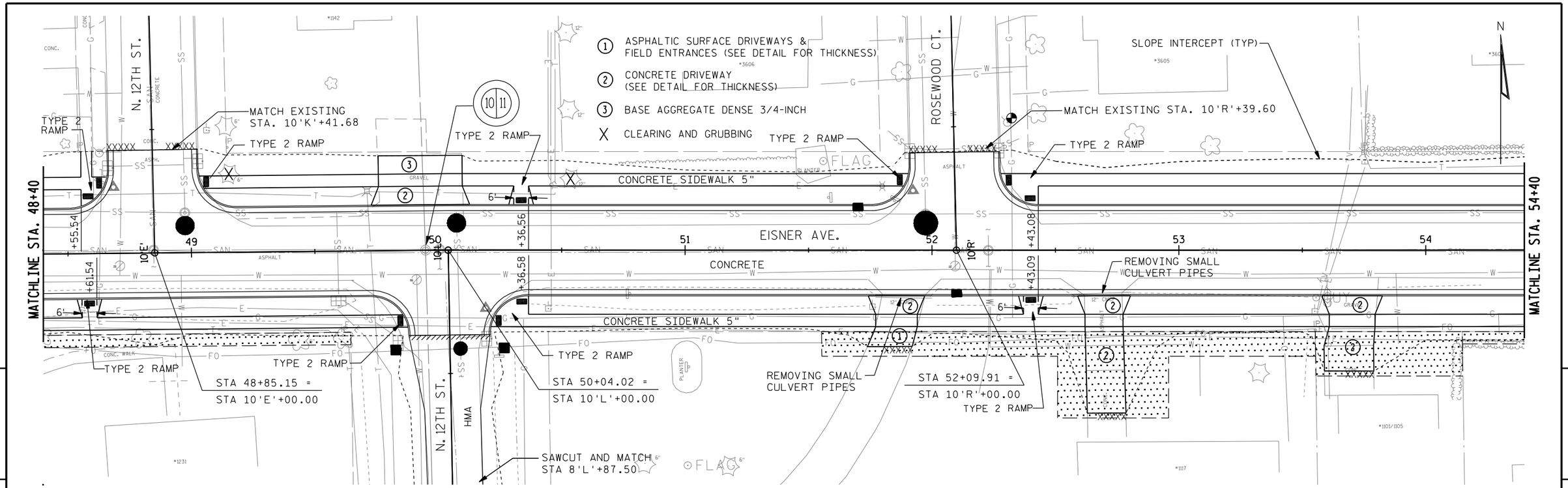


BENCH MARK TABLE

NO.	STATION	DESCRIPTION	ELEV.
10	43+47 RT	TOP OF HYD @ EISNER & 13th ST.	57.51

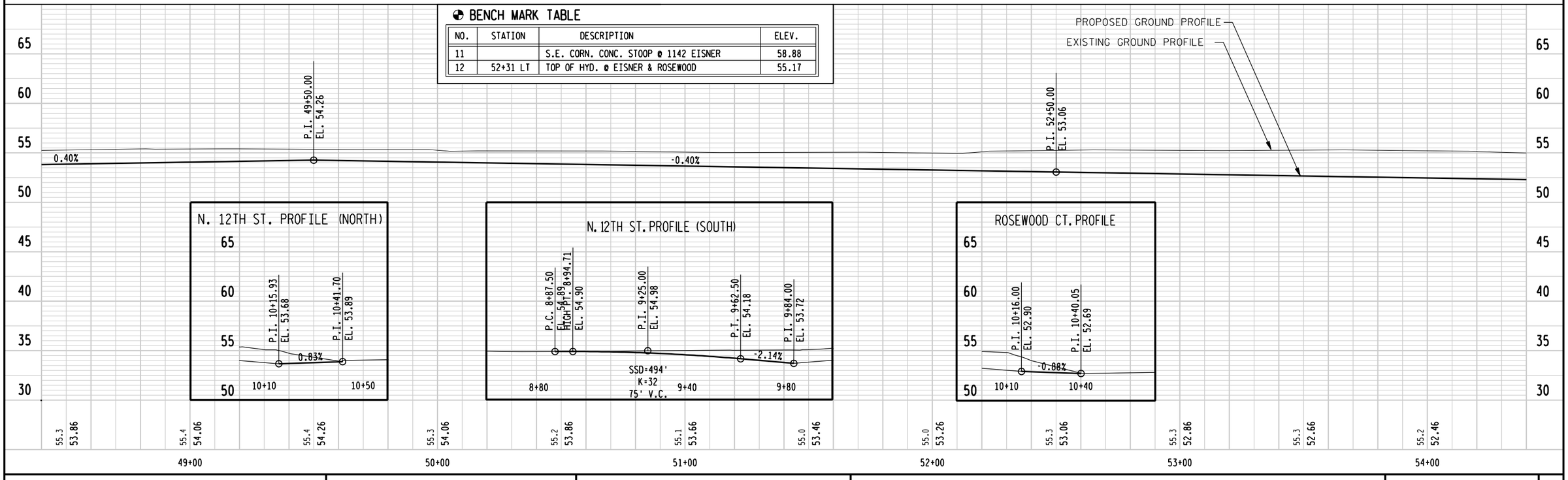


PROJECT NUMBER: 4996-01-56	HWY: EISNER AVENUE	COUNTY: SHEBOYGAN	PLAN AND PROFILE	SHEET 170	E



BENCH MARK TABLE

NO.	STATION	DESCRIPTION	ELEV.
11		S.E. CORN. CONC. STOOP @ 1142 EISNER	58.88
12	52+31 LT	TOP OF HYD. @ EISNER & ROSEWOOD	55.17



PROJECT NUMBER: 4996-01-56	HWY: EISNER AVENUE	COUNTY: SHEBOYGAN	PLAN AND PROFILE	SHEET 171	E

FILE NAME: l:\work\60164548\000_cadd\civil\050108_pp.dgn
BATCH PRINT SHEET 8 OF 15
PRINTER DRIVER: L:\library\TPN_CADstds\Workspace-Clients\WisDOT\Microstation\Resources\MS_Printing\Printer_Drivers\ET_PDF_11 x 17.plt
PEN TABLE: L:\work\60164548\000_CADD\CIVIL\MS_Printing\Pen_Tables\ET_WisDOT.tbl
PLOT DATE: 10/24/2012
PLOT TIME: 11:28:59 AM
PLOT SCALE: 1:40
WISDOT/CADDS SHEET 40

1 ASPHALTIC SURFACE DRIVEWAYS & FIELD ENTRANCES (SEE DETAIL FOR THICKNESS)

2 CONCRETE DRIVEWAY (SEE DETAIL FOR THICKNESS)

3 BASE AGGREGATE DENSE 3/4-INCH

X CLEARING AND GRUBBING

N

HIGHCLIFF CT.

11'HC'

10'HC'

N. 10TH ST.

11'N'

10'M'

10'N'

EISNER AVE.

MATCHLINE STA. 54+40

MATCHLINE STA. 60+40

TYPE 2 RAMP

SAWCUT AND MATCH EXISTING STA. 10'R'+39.60

SAWCUT AND MATCH EXISTING STA. 11'N'+37.50

CONCRETE SIDEWALK 5"

CONCRETE

ASPHALT HMA

STA 58+97.57 = STA 10'N'+00.00

STA 55+65.83 = STA 10'HC'+00.00

STA 58+88.35 = STA 10'M'+00.00

TYPE 7B RAMP

PROPOSED GROUND PROFILE

EXISTING GROUND PROFILE

-0.40%

HIGHCLIFF CT. PROFILE

P.I. 10+16.01 EL. 51.48

P.I. 10+39.61 EL. 52.11

2.65%

N. 10TH ST. PROFILE (NORTH)

P.I. 10+16.01 EL. 50.15

P.C. 10+62.50 EL. 51.49

P.I. 11+00.00 EL. 52.56

HIGH PT. 11+20.85 EL. 52.33

P.T. 11+37.50 EL. 52.26

2.87%

SSD=330' K=20 75' V.C.

N. 10TH ST. PROFILE (SOUTH)

P.C. 8+90.00 EL. 51.35

P.I. 9+27.50 EL. 51.25

P.T. 9+65.00 EL. 50.54

P.I. 9+84.00 EL. 50.18

-1.89%

SSD=705' K=46 75' V.C.

55+00 56+00 57+00 58+00 59+00 60+00

PROJECT NUMBER: 4996-01-56	HWY: EISNER AVENUE	COUNTY: SHEBOYGAN	PLAN AND PROFILE	SHEET 172	E

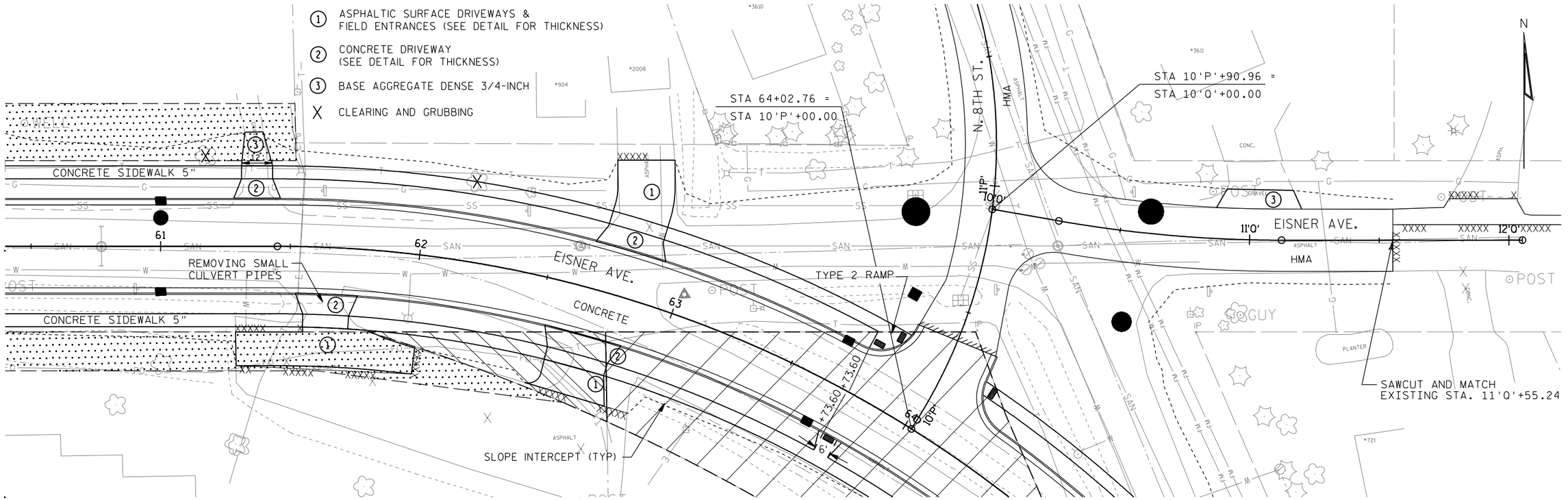
5

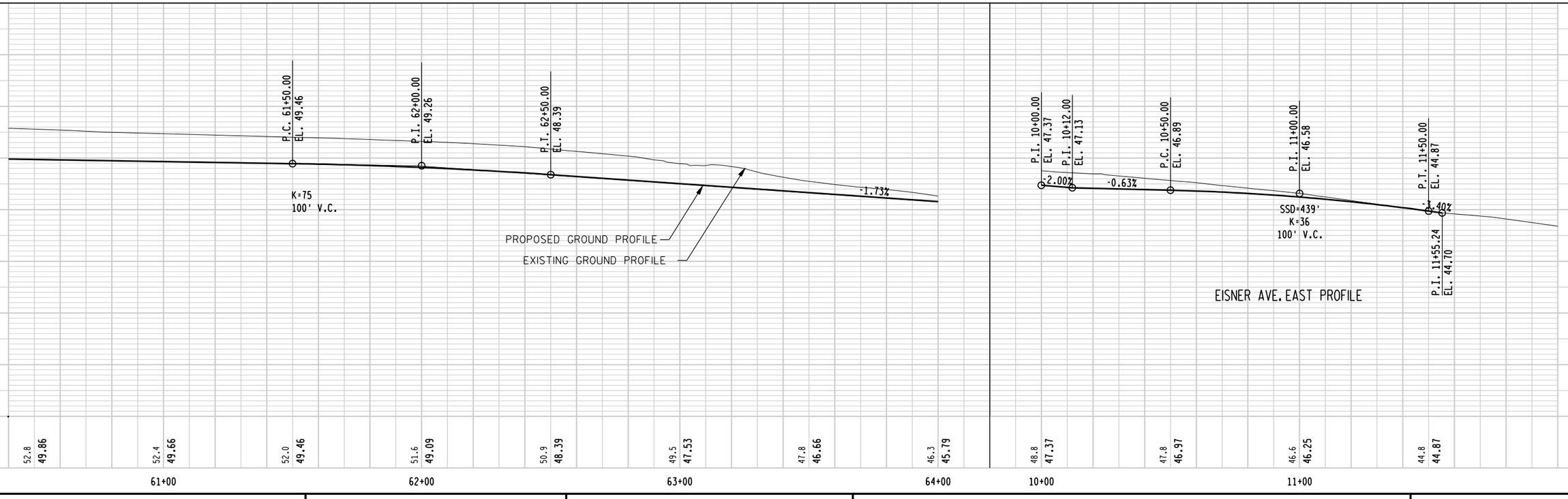
1 ASPHALTIC SURFACE DRIVEWAYS & FIELD ENTRANCES (SEE DETAIL FOR THICKNESS)

2 CONCRETE DRIVEWAY (SEE DETAIL FOR THICKNESS)

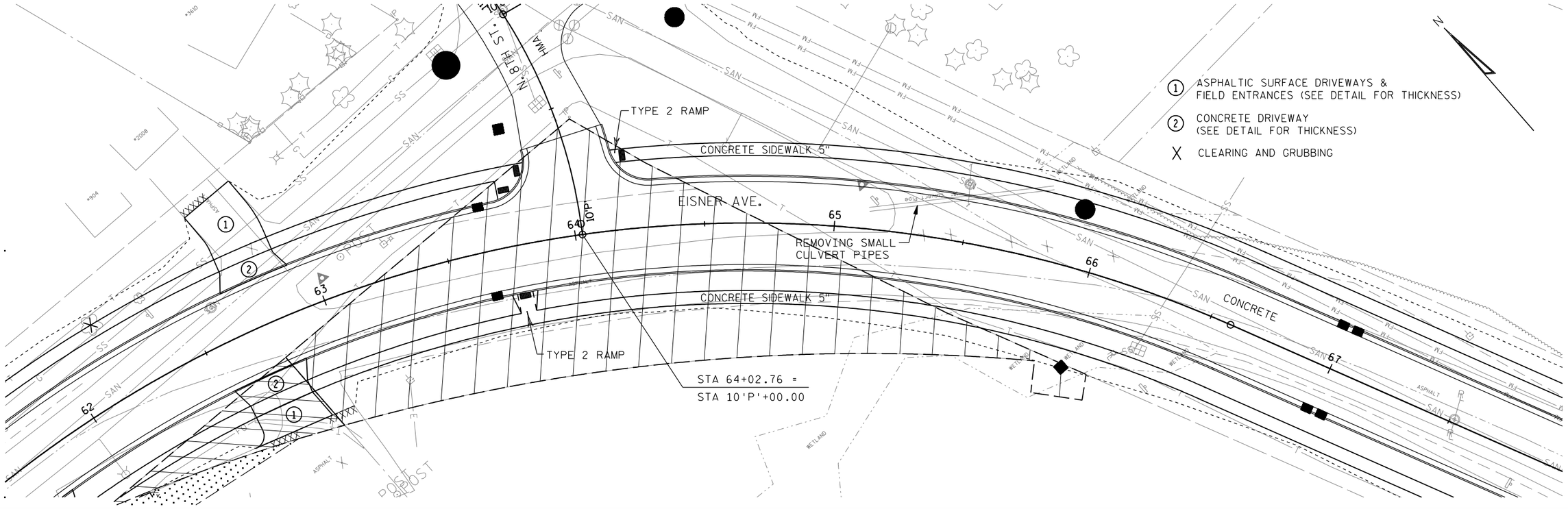
3 BASE AGGREGATE DENSE 3/4-INCH

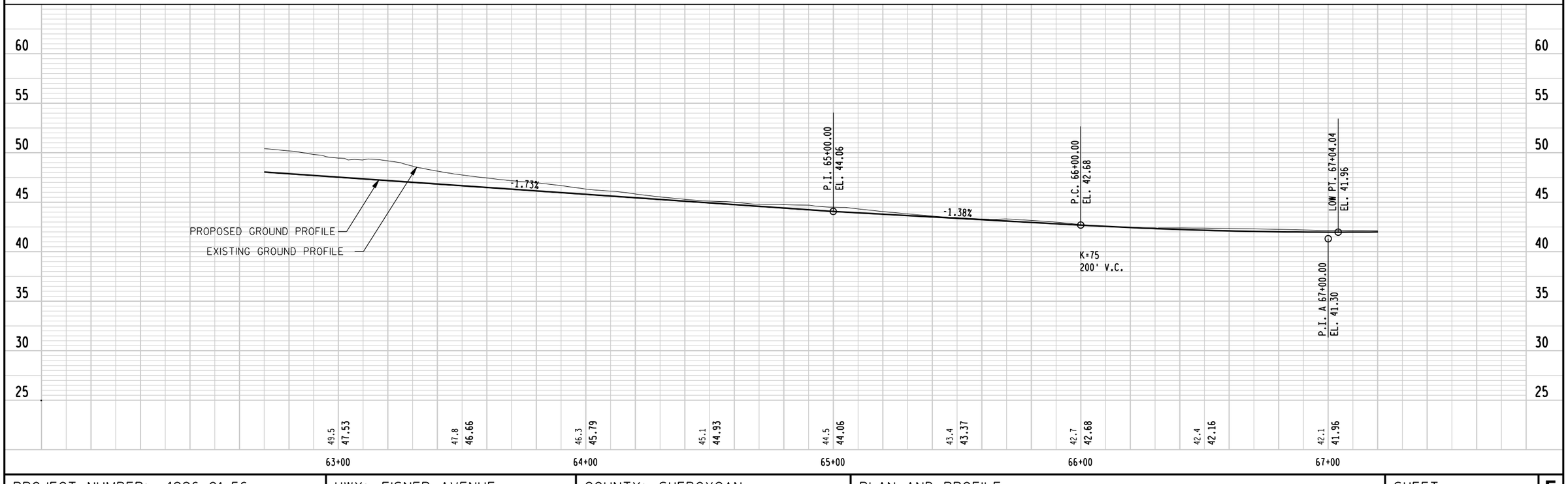
X CLEARING AND GRUBBING





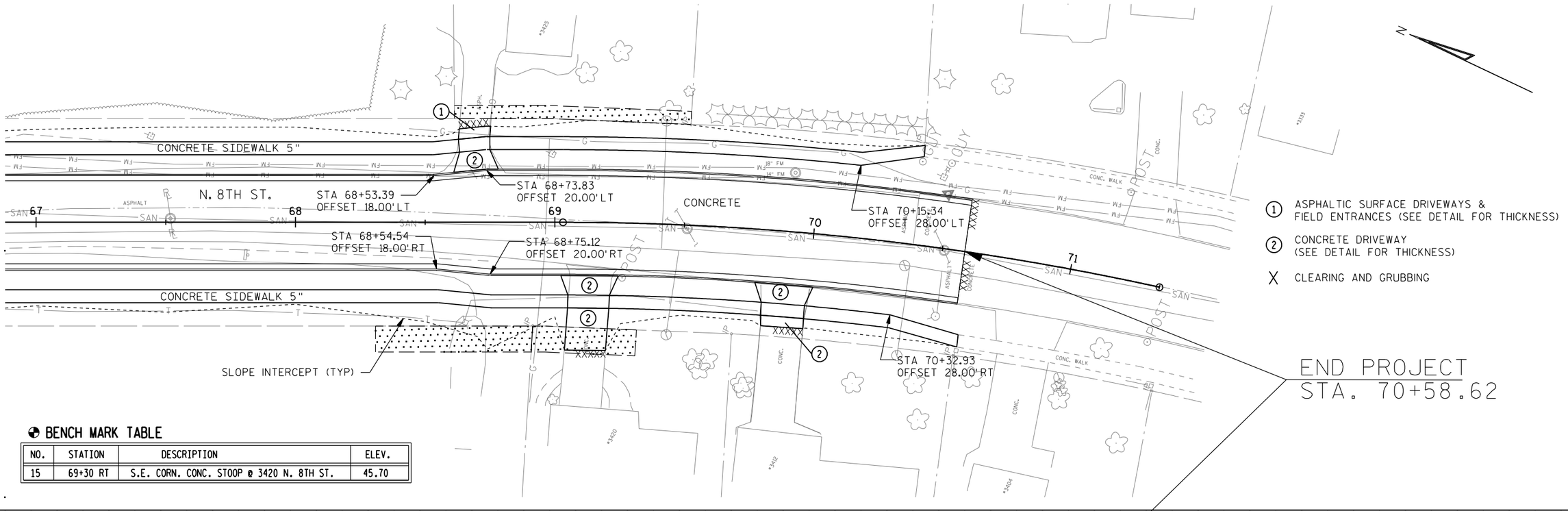
PROJECT NUMBER: 4996-01-56	HWY: EISNER AVENUE	COUNTY: SHEBOYGAN	PLAN AND PROFILE	SHEET 173	E





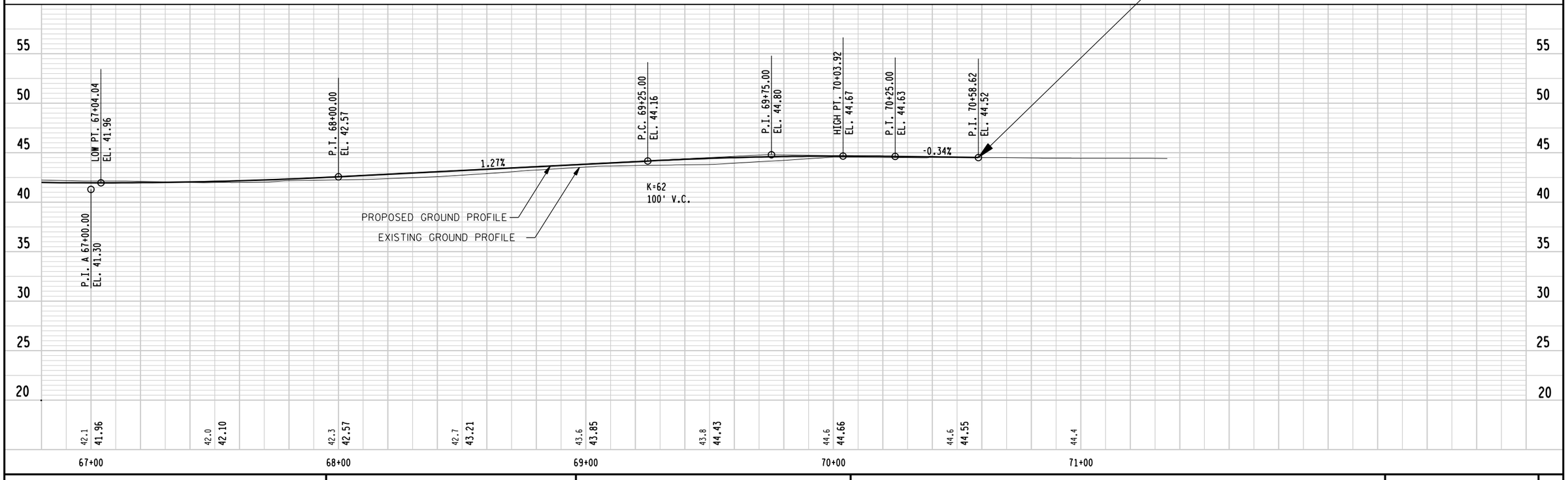
PROJECT NUMBER: 4996-01-56	HWY: EISNER AVENUE	COUNTY: SHEBOYGAN	PLAN AND PROFILE	SHEET 174	E

FILE NAME: l:\work\60164548\000_cadd\civil\050111a_pp.dgn
BATCH PRINT SHEET 11 OF 15
PRINTER DRIVER: L:\library\TPN_CADstds\Workspace-Clients\WisDOT\Microstation\Resources\MS_Printing\Printer_Drivers\ET_PDF_11 x 17.plt
PEN TABLE: L:\work\60164548\000_CADD\CIVIL\MS_Printing\Pen_Tables\ET_WisDOT.tbl
PLOT DATE: 10/24/2012
PLOT TIME: 11:29:10 AM
PLOT SCALE: 1:39.9996
WISDOT/CADDS SHEET 40

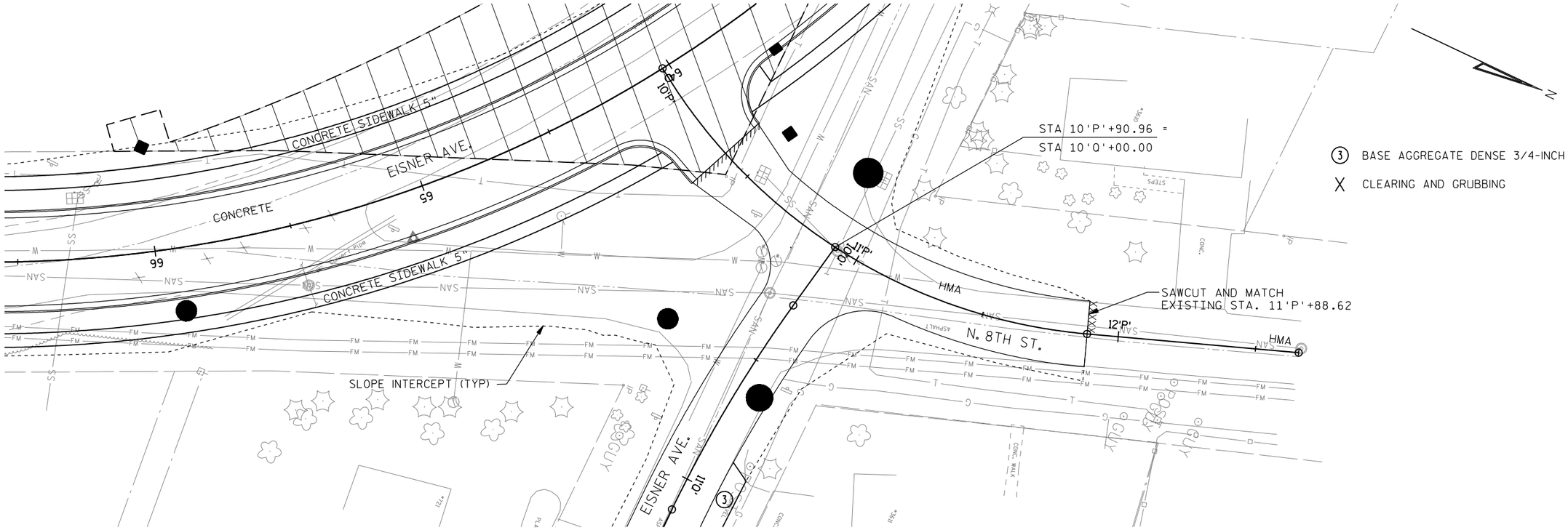


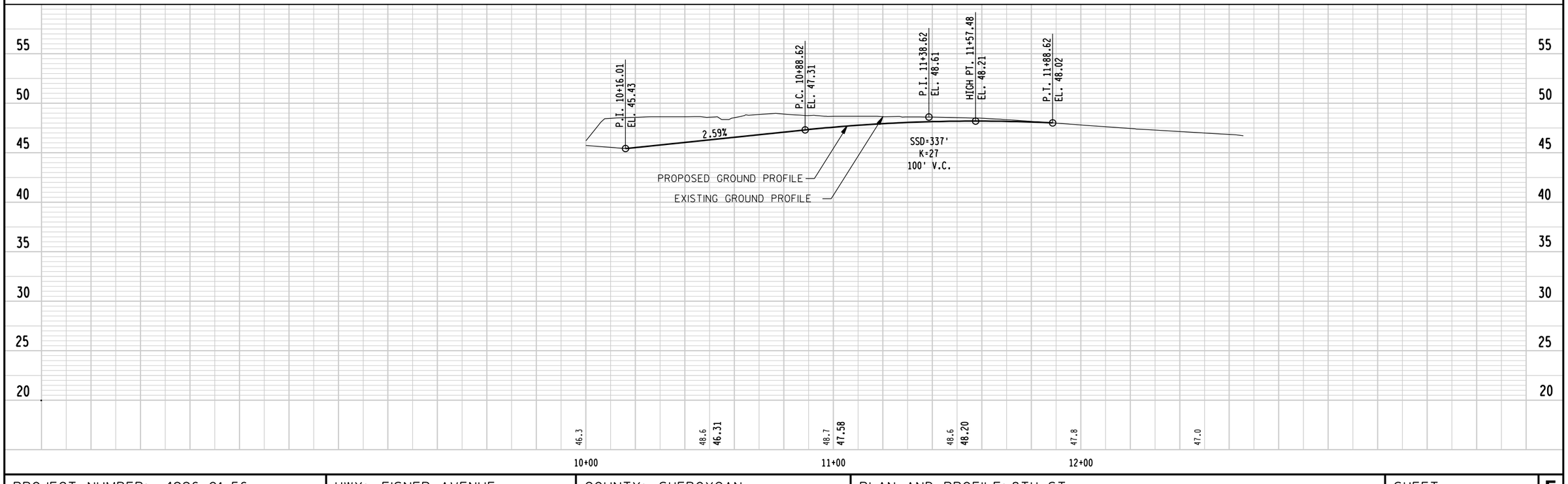
BENCH MARK TABLE

NO.	STATION	DESCRIPTION	ELEV.
15	69+30 RT	S.E. CORN. CONC. STOOP @ 3420 N. 8TH ST.	45.70



PROJECT NUMBER: 4996-01-56	HWY: EISNER AVENUE	COUNTY: SHEBOYGAN	PLAN AND PROFILE	SHEET 175	E





PROJECT NUMBER: 4996-01-56	HWY: EISNER AVENUE	COUNTY: SHEBOYGAN	PLAN AND PROFILE: 8TH ST.	SHEET 176	E

X CLEARING AND GRUBBING

SLOPE INTERCEPT (TYP)

BEGIN CONSTRUCTION
SAWCUT AND MATCH
EXISTING STA. 6'LS'+91.60

STA 31+16.58 =
STA 10'LS'+00.00

+25.00

CTH LS/LAKESHORE RD.

HMA

CONCRETE

EISNER AVE.

6'LS' 7'LS' 8'LS' 9'LS' 10'LS' 11'LS'

5

5

PROPOSED GROUND PROFILE
EXISTING GROUND PROFILE

P.C. 6+91.60 EL. 60.17
HIGH PT. 7+14.35 EL. 60.20
P.I. 7+46.60 EL. 60.33
P.T. 8+01.60 EL. 59.70
P.C. 8+50.00 EL. 59.15
P.I. 9+10.00 EL. 58.47
LOW PT. 9+33.38 EL. 58.68
P.T. 9+70.00 EL. 58.77
P.I. 10+00.00 EL. 58.92
P.C. 10+40.00 EL. 59.12

-1.14%
0.50%
0.50%

K=77
110' V.C.

K=73
120' V.C.

K=149
120' V.C.

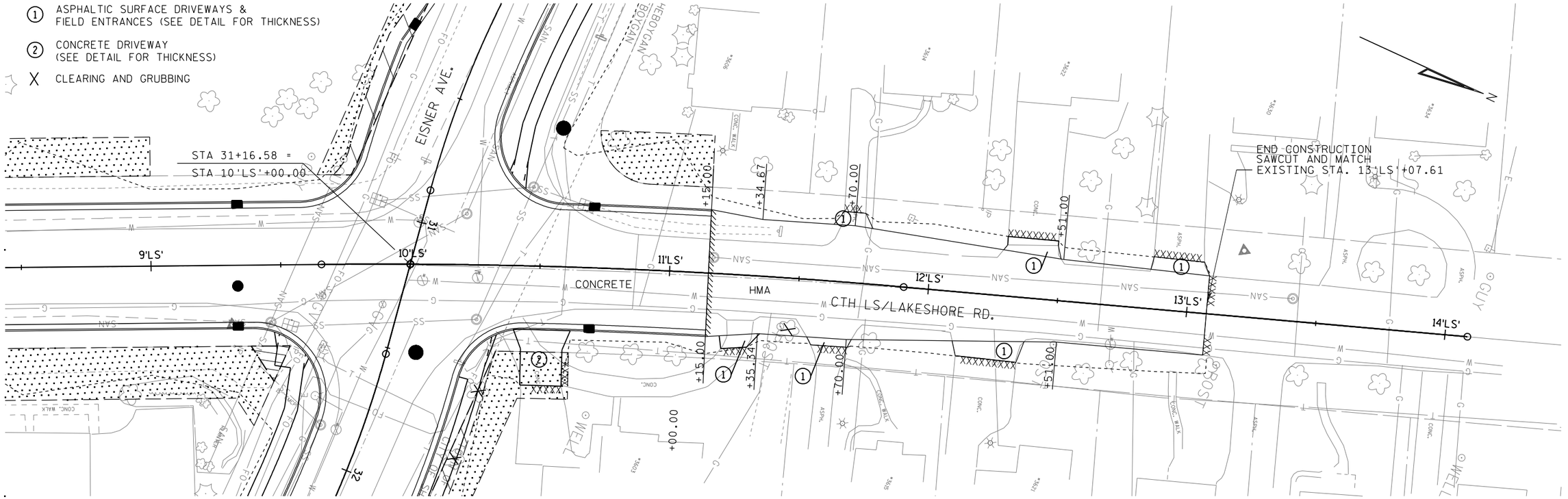
70 65 60 55 50 45 40 35

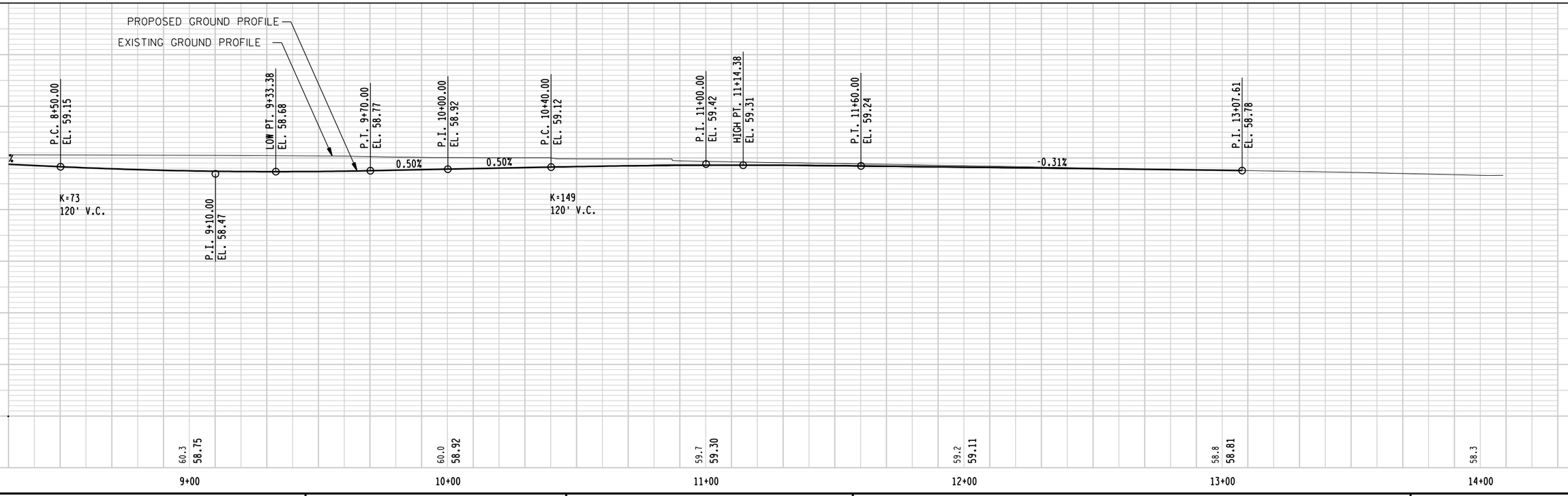
60.1
60.2 60.19
60.3 59.72
60.3 58.75
60.0 58.92

5+00 6+00 7+00 8+00 9+00 10+00

PROJECT NUMBER: 4996-01-56	HWY: EISNER AVENUE	COUNTY: SHEBOYGAN	PLAN AND PROFILE	SHEET 177	E

FILE NAME: l:\work\60164548\000_cadd\civil\050104a_pp.dgn
BATCH PRINT SHEET 14 OF 15
PRINTER DRIVER: L:\library\TPN_CADstds\Workspace-Clients\WisDOT\Microstation\Resources\MS_Printing\Printer_Drivers\ET_PDF_11 x 17.plt
PEN TABLE: L:\work\60164548\000_CADD\CIVIL\MS_Printing\Pen_Tables\ET_WisDOT.tbl
PLOT DATE: 10/24/2012
PLOT TIME: 11:29:20 AM
PLOT SCALE: 1:40
WISDOT/CADDS SHEET 40



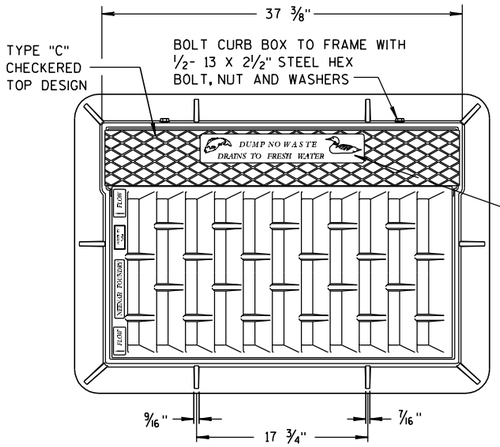


PROJECT NUMBER: 4996-01-56	HWY: EISNER AVENUE	COUNTY: SHEBOYGAN	PLAN AND PROFILE	SHEET 178	E

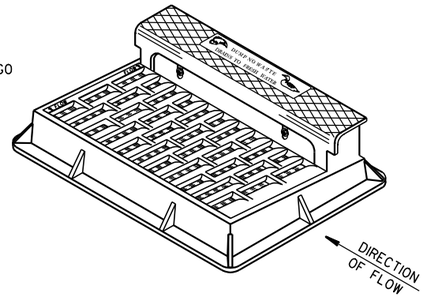
Standard Detail Drawing List

08A05-18A	INLET COVERS TYPE A, H, A-S, & H-S
08A05-18B	INLET COVERS TYPE B, B-A, C, MS, MS-A, & WM
08A05-18D	INLET COVER, TYPE BW, Z MANHOLE COVERS, TYPE K, J, J-S, L & M
08A09-01	CATCH BASINS 2X3-FT AND 2.5X3-FT
08B09-01	MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER
08B11-01	MANHOLES VARIABLE TEE AND SPECIAL 4-FT DIAMETER
08C08-01	INLETS MEDIAN 1 AND 2 GRATE
08D01-17	CONCRETE CURB, CONCRETE CURB AND GUTTER AND TIES
08D05-14A	CURB RAMPS TYPES 1 AND 1-A
08D05-14B	CURB RAMPS TYPES 2 AND 3
08D05-14C	CURB RAMPS TYPE 4A
08D05-14D	CURB RAMPS TYPE 4B
08D05-14E	CURB RAMPS TYPES 5, 6, 7A, 7B & 8
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08F01-11	APRON ENDWALLS FOR CULVERT PIPE
08F04-07	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
09B02-07	CONDUIT
09B04-09	PULL BOX
09D01-04	CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)
09D02-02	SIGNAL OR LIGHTING CONTROL CABINET
13B01-10	PAVEMENT DETAILS FOR RAILROAD APPROACH
13C18-01A	CONCRETE PAVEMENT JOINTING
13C18-01B	CONCRETE PAVEMENT STEEL REINFORCEMENT
13C18-01C	CONCRETE PAVEMENT JOINT TIES
13C18-01D	CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES
15A03-01	MARKER POSTS, FLEXIBLE, FOR CULVERT END
15C02-04A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-04B	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-04C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C03-01	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C07-12A	PAVEMENT MARKING SYMBOLS
15C07-12B	PAVEMENT MARKING WORDS
15C07-12C	PAVEMENT MARKING ARROWS
15C08-15A	PAVEMENT MARKING (MAINLINE)
15C08-15E	PAVEMENT MARKING (LEFT TURN LANE)
15C08-15F	PAVEMENT MARKING (ISLANDS, STOP LINE & CROSS WALK)
15C09-09A	SIGNING AND PAVEMENT MARKING DETAILS FOR RAILROAD-HIGHWAY GRADE CROSSINGS
15C29-02A	BICYCLE LANE MARKING
15C29-02C	URBAN BICYCLE LANE MARKING
15C29-02D	URBAN BICYCLE LANE MARKING
15C29-02E	PAVEMENT MARKING FOR BIKE LANES
15C29-02F	PAVEMENT MARKING FOR SHARED LANE
16A01-06	LANDMARK REFERENCE MONUMENTS AND COVERS

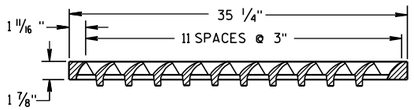
6

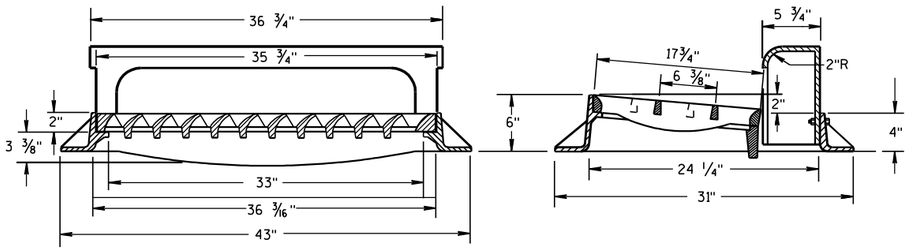


NOTE:
GRATE IS REVERSIBLE.



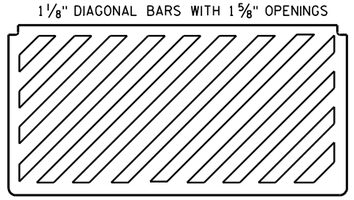
NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"





TYPE "H"

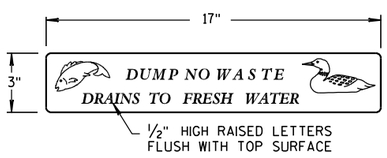
(APPROXIMATE WEIGHT 441 LBS.)
FRAME..... 181 LBS.
GRATE..... 146 LBS.
CURB BOX..... 114 LBS.



SPECIAL GRATE FOR TYPE "H" COVER

(MEASURES 35 1/4" X 17 3/4" X 2")
(APPROXIMATE WEIGHT 159 LBS.)
GRATE..... 159 LBS.

(NOTED AS TYPE H-S ON DRAINAGE TABLE)



LOGO DETAIL

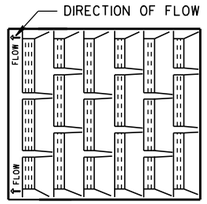
GENERAL NOTES

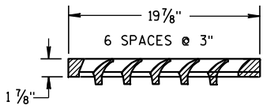
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

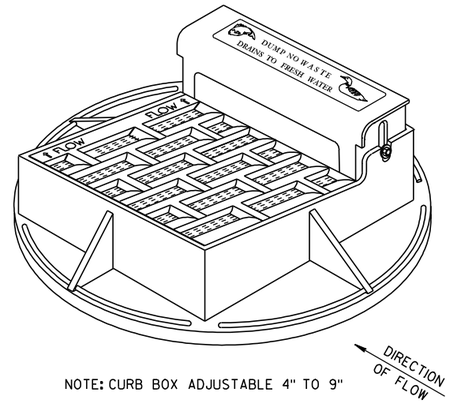
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

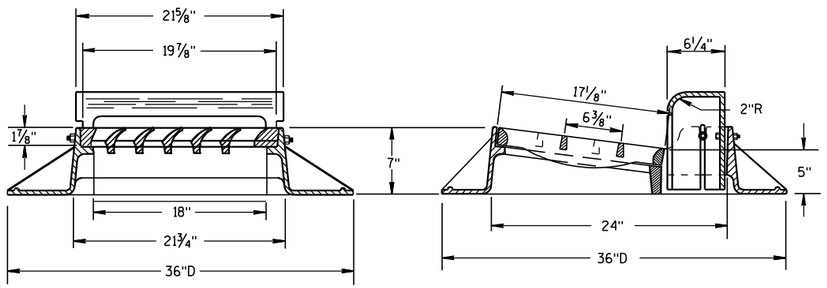
THE ACTUAL WEIGHT OF COVERS MAY VARY WITHIN 5 PERCENT, PLUS OR MINUS, OF THE APPROXIMATE WEIGHT.





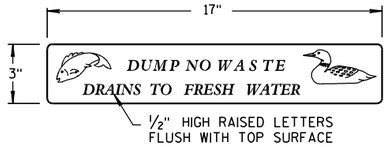


NOTE: CURB BOX ADJUSTABLE 4" TO 9"



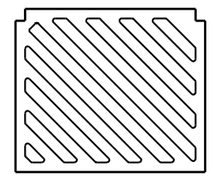
TYPE "A"

(APPROXIMATE WEIGHT 340 LBS.)
FRAME..... 185 LBS.
GRATE..... 71 LBS.
CURB BOX..... 84 LBS.



LOGO DETAIL

NOTE:
GRATE IS REVERSIBLE.



SPECIAL GRATE FOR TYPE "A" COVER

(MEASURES 19 3/4" X 17" X 1 7/8"
GRATE..... 84 LBS.

(NOTED AS TYPE A-S ON DRAINAGE TABLE)

INLET COVERS TYPE A, H, A-S, & H-S

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

6/5/2012 DATE

/S/ Jerry H. [illegible]
ROADWAY STANDARDS ENGINEER

180

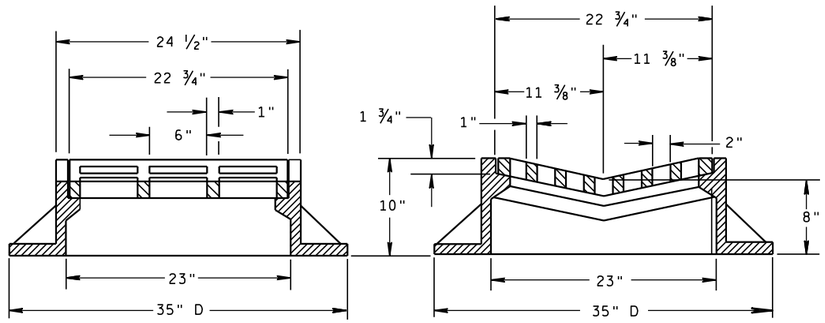
FHWA

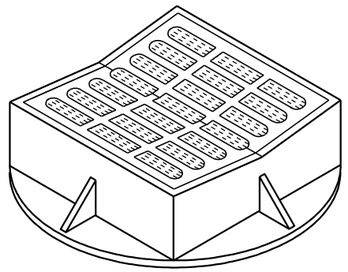
6

S.D.D. 8 A 5-18a

6

S.D.D. 8 A 5-18a

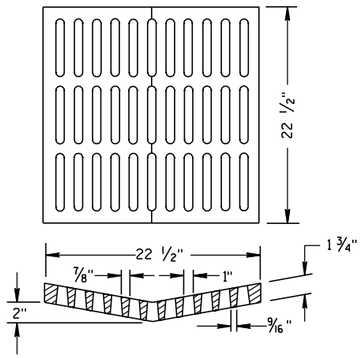




TYPE "B"

(APPROXIMATE WEIGHT 405 LBS.)

FRAME..... 294 LBS.
GRATE..... 111 LBS.

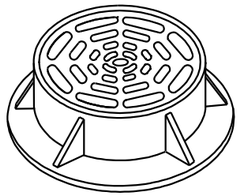


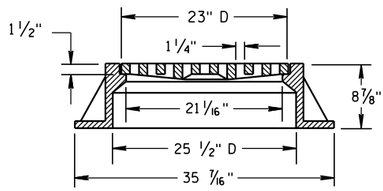
ALTERNATIVE GRATE FOR TYPE "B" COVER

(APPROXIMATE GRATE WEIGHT 134 LBS.)

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS POSSIBLE.

NOTED AS TYPE B-A ON THE DRAINAGE TABLE





TYPE "C"

(APPROXIMATE WEIGHT 259 LBS.)

FRAME..... 152 LBS.
GRATE..... 107 LBS.

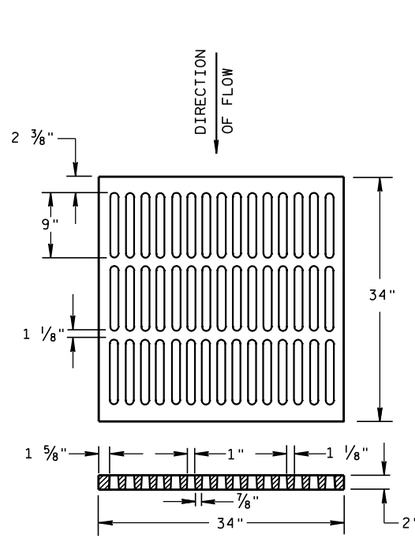
GENERAL NOTES

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.

DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

THE ACTUAL WEIGHT OF COVERS MAY VARY WITHIN 5 PERCENT, PLUS OR MINUS, OF THE APPROXIMATE WEIGHT.

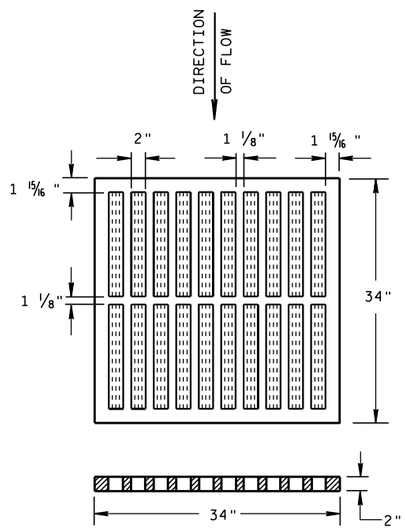


ALTERNATIVE TYPE "MS"

(APPROXIMATE GRATE WEIGHT 329 LBS.)

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS PERMITTED

NOTED AS TYPE MS-A ON THE DRAINAGE TABLE

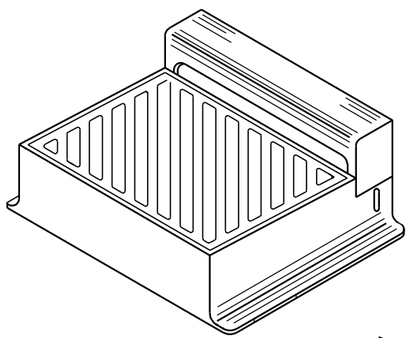


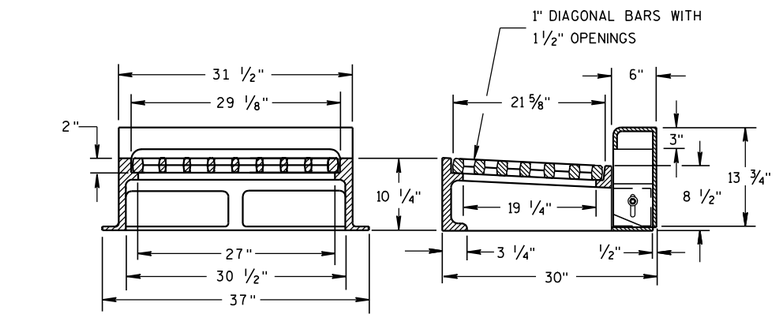
TYPE "MS"

(APPROXIMATE GRATE WEIGHT 268 LBS.)

USE ON FREEWAYS AND EXPRESSWAYS

NOTED AS TYPE MS ON DRAINAGE TABLE





NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

DIRECTION OF FLOW

DIAGONAL SLOTS, SHALL BE ORIENTED TO THE DIRECTION OF FLOW AS ILLUSTRATED. GRATES ARE MANUFACTURED TO BE REVERSIBLE.

TYPE "WM"

(APPROXIMATE WEIGHT 648 LBS.)

FRAME..... 355 LBS.
GRATE..... 156 LBS.
CURB BOX..... 137 LBS.

INLET COVERS
TYPE B, B-A, C, MS, MS-A, & WM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

6/5/2012
DATE

/S/ Jerry H. Zaas
ROADWAY STANDARDS ENGINEER

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ENT

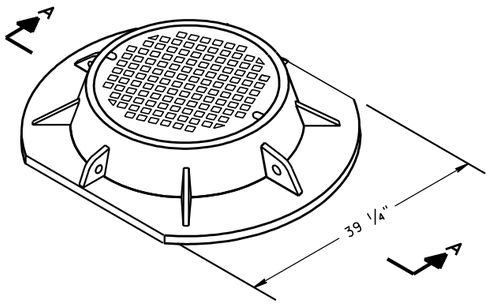
FHWA

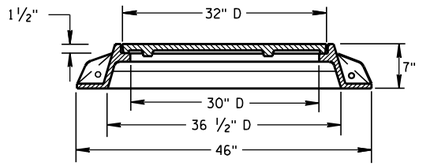
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S.D.D. 8 A 5-18b

6

S.D.D. 8 A 5-18b



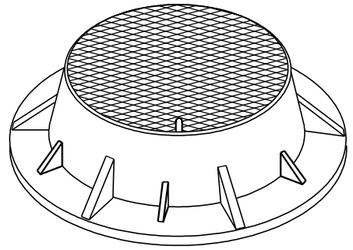


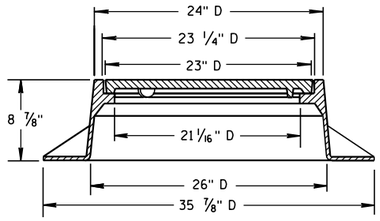
SECTION A-A

TYPE "K"

(APPROXIMATE WEIGHT 439 LBS.)

FRAME.....216 LBS.
LID.....223 LBS.

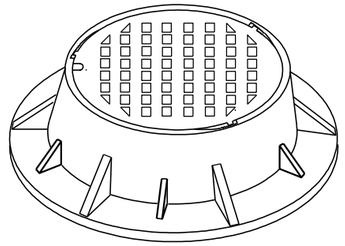


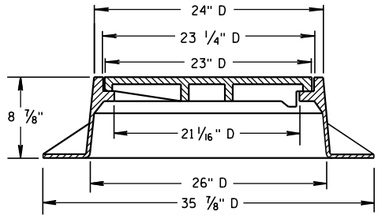


TYPE "J"

(APPROXIMATE WEIGHT 267 LBS.)

FRAME.....152 LBS.
LID.....115 LBS.





TYPE "J" SPECIAL

TYPE "B" NON-ROCKING SELF-SEAL LID

(APPROXIMATE WEIGHT 267 LBS.)

FRAME.....158 LBS.
LID.....109 LBS.

(NOTED AS TYPE J-S ON THE DRAINAGE TABLE)

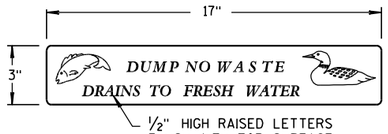
GENERAL NOTES

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.

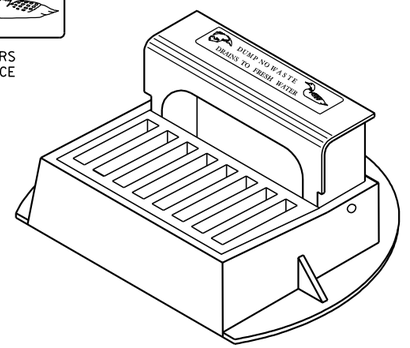
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR MANHOLE COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

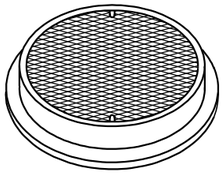
ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

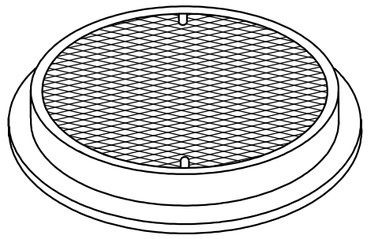
THE ACTUAL WEIGHT OF COVERS MAY VARY WITH 5 PERCENT, PLUS OR MINUS, OF THE APPROXIMATE WEIGHT.

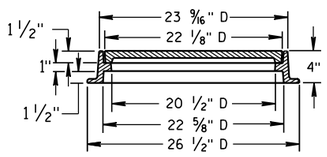


LOGO DETAIL





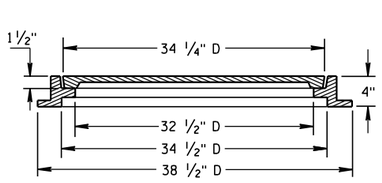




TYPE "L"

(APPROXIMATE WEIGHT 158 LBS.)

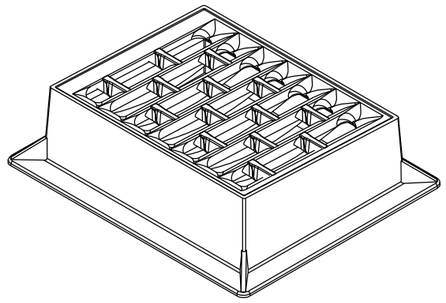
FRAME.....81 LBS.
LID.....77 LBS.

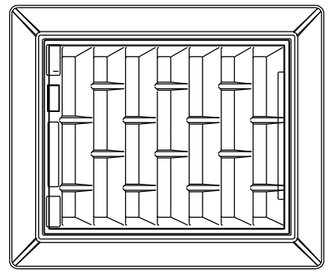


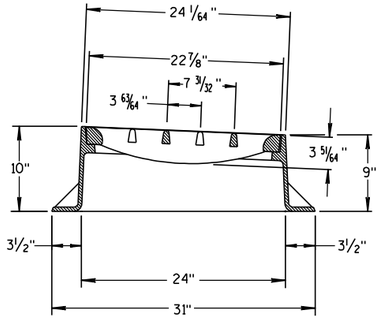
TYPE "M"

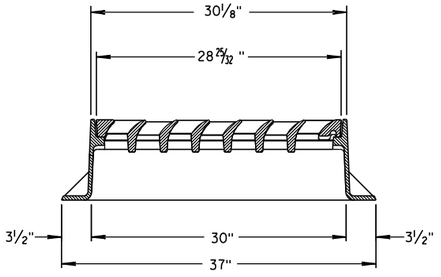
(APPROXIMATE WEIGHT 377 LBS.)

FRAME..... 125 LBS.
LID..... 252 LBS.

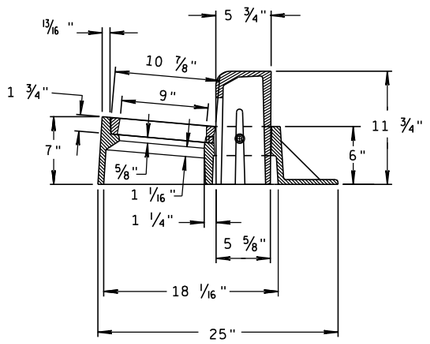








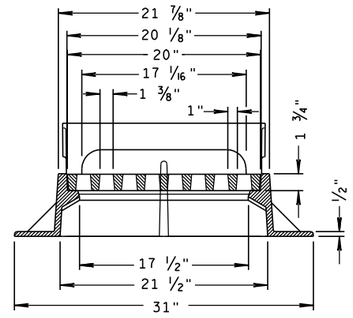
INLET COVER TYPE "BW"



INLET COVER TYPE "Z"

(APPROXIMATE WEIGHT 344 LBS.)

FRAME.....206 LBS.
GRATE..... 46 LBS.
CURB BOX..... 92 LBS.



INLET COVERS, TYPE BW, Z
MANHOLE COVERS, TYPE K, J, J-S, L & M

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

6/5/2012
DATE

/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER

FHWA

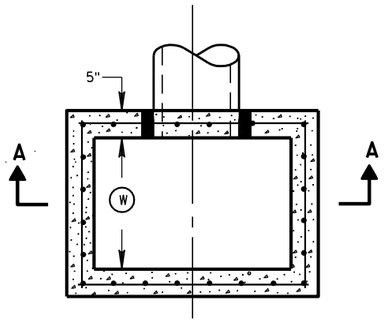
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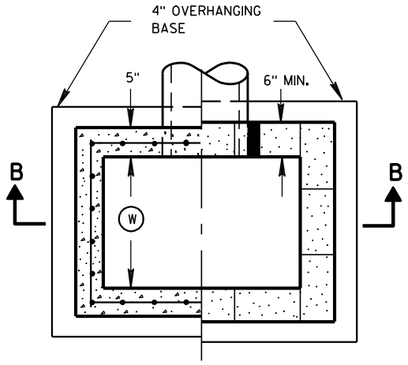
S.D.D. 8 A 5-18d

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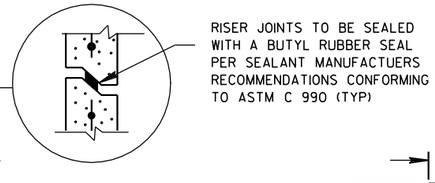
S.D.D. 8 A 5-18d

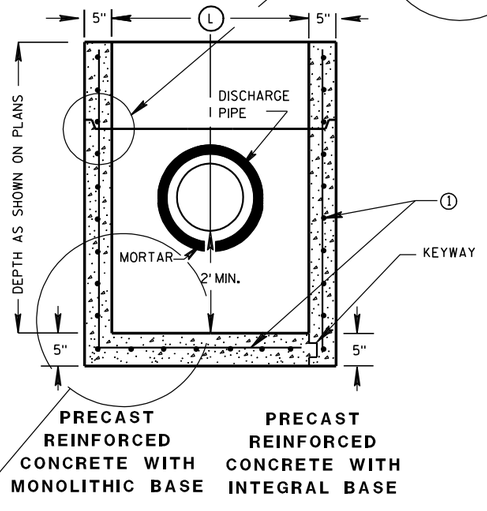


PLAN VIEW



PLAN VIEW

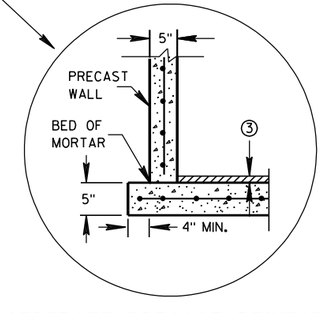




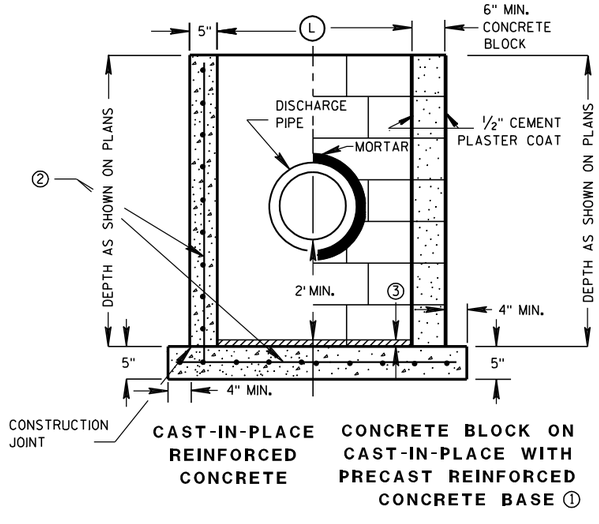
PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE

SECTION A-A



SEPERATE PRECAST REINFORCED CONCRETE BASE OPTION



CAST-IN-PLACE REINFORCED CONCRETE

CONCRETE BLOCK ON CAST-IN-PLACE WITH PRECAST REINFORCED CONCRETE BASE ①

SECTION B-B

GENERAL NOTES

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.

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST CATCH BASIN UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL PRECAST CATCH BASIN UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATES THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF GRANULAR BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

4" OVERHANGING BASES ARE REQUIRED FOR CAST-IN-PLACE REINFORCED CONCRETE AND CONCRETE BLOCK INSTALLATIONS.
4" OVERHANG IS REQUIRED WHEN SEPERATE PRECAST BASE IS PROVIDED.
OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3" CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

① FOR PRECAST CATCH BASINS PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

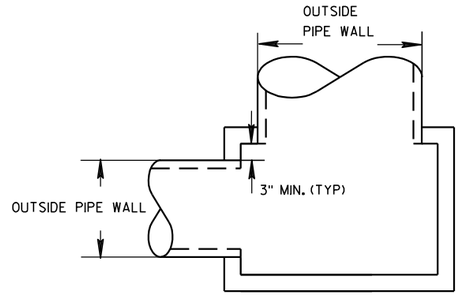
③ 1" CONCRETE KEY POURED AFTER INSTALLATION. 2' SUMP MEASURED FROM TOP OF KEY.

CATCH BASIN COVER MATRIX

CATCH BASIN SIZE		INLET COVER TYPE	F	ALL H'S
	WIDTH (W) (FT)	LENGTH (L) (FT)		
2X3-FT	2	3		X
2.5X3-FT	2.5	3	X	

PIPE MATRIX

CATCH BASIN SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	WIDTH (IN)	LENGTH (IN)
2X3-FT	12	24
2.5X3-FT	18	24



DETAIL "A"

CATCH BASINS 2X3-FT AND 2.5X3-FT

CATCH BASINS 2X3-FT AND 2.5X3-FT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

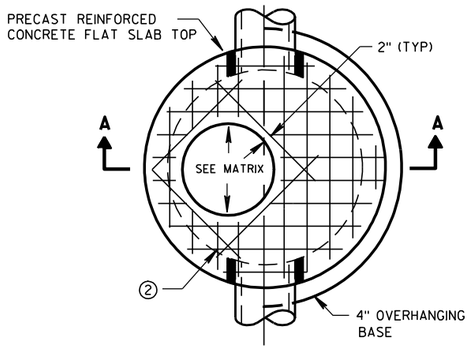
APPROVED
6/5/2012 — DATE
/S/ Jerry H. [illegible] — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

6

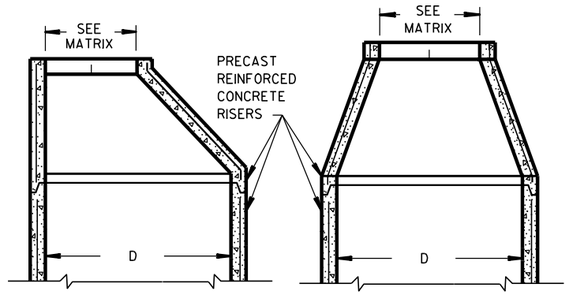
S.D.D. 8 A 9-1

6

S.D.D. 8 A 9-1

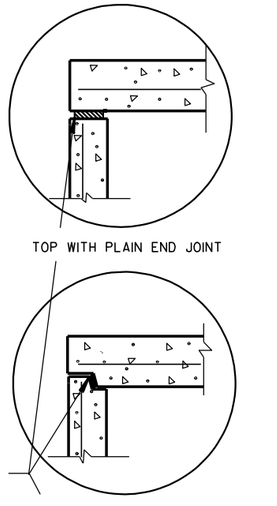


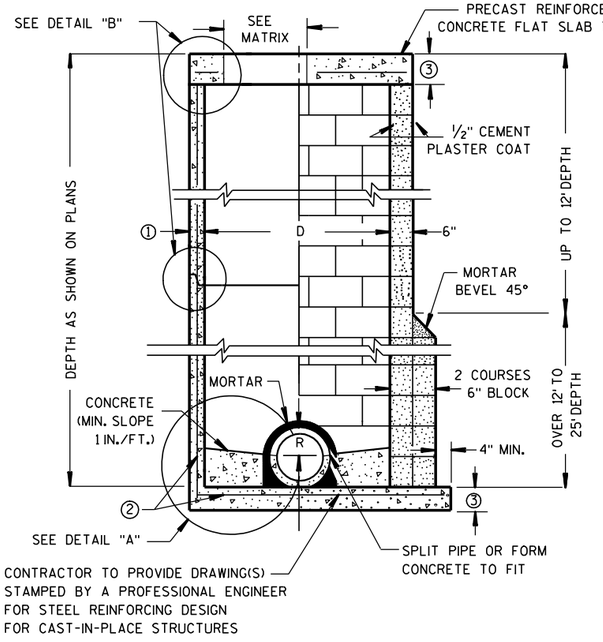
PLAN VIEW CIRCULAR OPENING



OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP

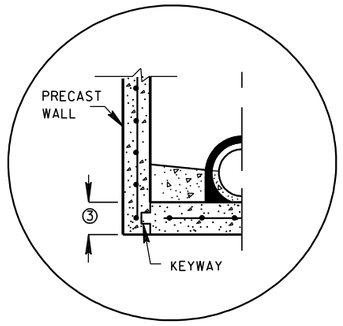
OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP



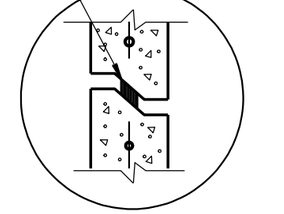


PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

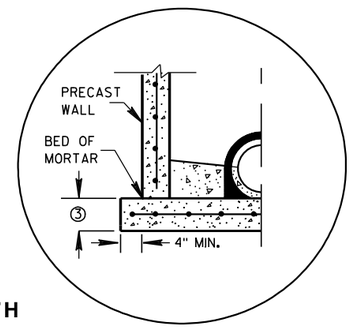
CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②



PRECAST REINFORCED
CONCRETE WITH INTEGRAL BASE OPTION

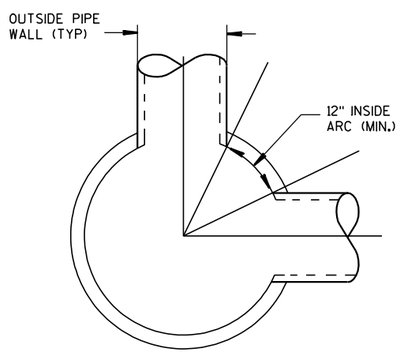


DETAIL "B"



SEPERATE PRECAST REINFORCED
CONCRETE BASE OPTION

DETAIL "A"



DETAIL "C"

GENERAL NOTES

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.

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST MANHOLE UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF GRANULAR BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

PRECAST REINFORCED CONE TOPS (ECCENTRIC OR CONCENTRIC) OR PRECAST REINFORCED FLAT SLAB TOPS MAY BE USED ON CONCRETE BLOCK STRUCTURES. THE CONE TOPS SHALL BE INSTALLED ON A BED OF MORTAR.

ECCENTRIC CONE TOPS MAY BE USED ON ALL STRUCTURES, AND CONCENTRIC CONE TOPS SHALL BE USED ONLY ON STRUCTURES 5 FEET OR LESS IN DEPTH, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

STEPS MEETING AASHTO M199 AND THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH: 16 INCH C-C MAXIMUM SPACING; PROJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES FROM THE WALL AT THE POINT OF EMBEDMENT; MINIMUM LENGTH OF 10 INCHES; MINIMUM WALL EMBEDMENT OF 3 INCHES. FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS SECTIONAL DIMENSION OF 1 INCH.

STEPS OF APPROVED POLYPROPYLENE PLASTIC COATED REINFORCEMENT BAR ARE ACCEPTABLE. REINFORCING BAR MUST BE A MINIMUM OF ½" AND MEET THE REQUIREMENTS OF ASTM A615.

CERTIFICATION SHALL BE PROVIDED THAT INSTALLED STEPS WHEN TESTED IN ACCORDANCE WITH SECTION 10 OF AASHTO T280 CAN WITHSTAND A VERTICAL LOAD OF 800 LBS. AND A HORIZONTAL LOAD OF 400 LBS.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

CONCRETE BLOCK WILL NOT BE PERMITED FOR STRUCTURES GREATER THAN 4 FEET IN DIAMETER.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

ALL PRECAST MANHOLE UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M 199.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPERATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "C".

① MINIMUM WALL THICKNESS SHALL BE 4 INCHES FOR 3-FT, 5 INCHES FOR 4-FT, 6 INCHES FOR 5-FT, 7 INCHES FOR 6-FT, 8 INCHES FOR 7-FT AND 9 INCHES FOR 8-FT DIAMETER PRECAST MANHOLES.

② FOR PRECAST MANHOLES PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

③ PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER OF 48" AND LESS SHALL HAVE A MINIMUM THICKNESS OF 6". PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER LARGER THAN 48" SHALL HAVE A MINIMUM THICKNESS OF 8".

MANHOLE COVER OPENING MATRIX

MANHOLE COVER TYPE	C	ALL J'S	K	L	M
OPENING SIZE (FT)					
2 DIA.	X	X		X	
3 DIA.			X		X

PIPE MATRIX

MANHOLE SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18
5-FT	36	24
6-FT	42	36
7-FT	48	36
8-FT	60	42

MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

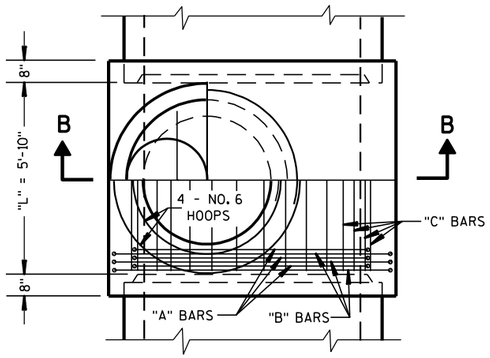
APPROVED

6/5/2012
DATE

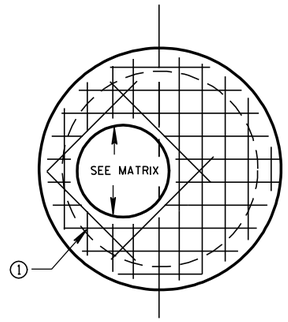
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER

FHWA

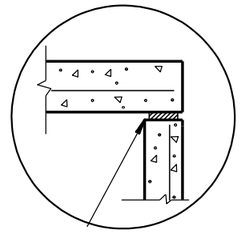
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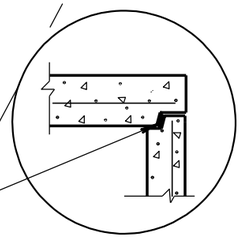
HALF SECTION A-A



PLAN VIEW PRECAST REINFORCED CONCRETE FLAT SLAB TOP WITH ECCENTRIC OPENING

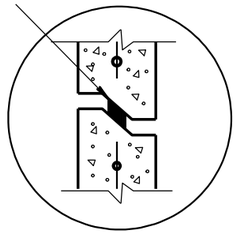


TOP WITH PLAIN END JOINT



TOP WITH TONGUE AND GROOVE JOINT

JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C990 (TYP)



RISER WITH TONGUE AND GROOVE JOINT

DETAIL "A"

GENERAL NOTES

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.

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST MANHOLE UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 4T-L", "MANHOLES 4S-M", ETC. THE VARIABLE TEE IS DENOTED BY 4T AND THE VARIABLE SPECIAL IS DENOTED BY 4S. THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

STEPS MEETING THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH: 16 INCH C-C MAXIMUM SPACING; PROJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES FROM THE WALL AT THE POINT OF EMBEDMENT; MINIMUM LENGTH OF 10 INCHES; MINIMUM WALL EMBEDMENT OF 3 INCHES. FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS SECTIONAL DIMENSION OF 1 INCH.

STEPS OF APPROVED POLYPROPYLENE PLASTIC COATED REINFORCEMENT BAR ARE ACCEPTABLE. REINFORCING BAR MUST BE A MINIMUM OF $\frac{1}{2}$ INCH AND MEET THE REQUIREMENTS OF ASTM A615.

CERTIFICATION SHALL BE PROVIDED THAT INSTALLED STEPS WHEN TESTED IN ACCORDANCE WITH SECTION 10 OF AASHTO T280 CAN WITHSTAND A VERTICAL LOAD OF 800 LBS. AND A HORIZONTAL LOAD OF 400 LBS.

PRECAST SECTIONS SHALL BE INSTALLED ON A BED OF MORTAR.

PRECAST REINFORCED CONE TOPS (ECCENTRIC OR CONCENTRIC) OR PRECAST REINFORCED FLAT SLAB TOPS MAY BE USED ON CONCRETE OR CONCRETE BLOCK STRUCTURES. THE TOPS SHALL BE INSTALLED ON A BED OF MORTAR.

ECCENTRIC CONE TOPS MAY BE USED ON ALL STRUCTURES, AND CONCENTRIC CONE TOPS SHALL BE USED ONLY ON STRUCTURES 5 FEET OR LESS IN DEPTH, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

ALL PRECAST MANHOLES SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M 199.

① FOR PRECAST MANHOLES PROVIDE REINFORCING STEEL IN ACCORDANCE WITH AASHTO M 199.

MANHOLE COVER OPENING MATRIX

MANHOLE COVER TYPE	C	ALL J'S	K	L	M
OPENING SIZE (FT)					
2 DIA.	X	X		X	
3 DIA.			X		X

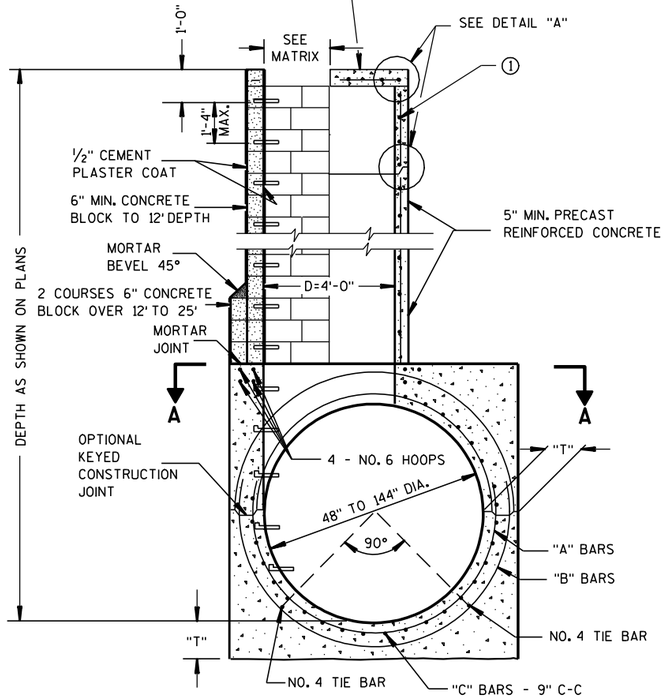
NOTES FOR MANHOLE VARIABLE SPECIAL 4-FT DIAMETER

NOTE: ALL "A", "B", AND "C" BAR STEEL REINFORCING IS THE SAME DIAMETER WHICH VARIES WITH DEPTH.
NO. 5 BARS TO 20' DEPTH
NO. 6 BARS OVER 20' TO 30' DEPTH
NO. 7 BARS OVER 30' TO 40' DEPTH

THE "A" AND "B" BARS MAY BE PLACED IN ONE OR TWO SEGMENTS, AND SHALL LAP 24 BAR DIAMETERS.

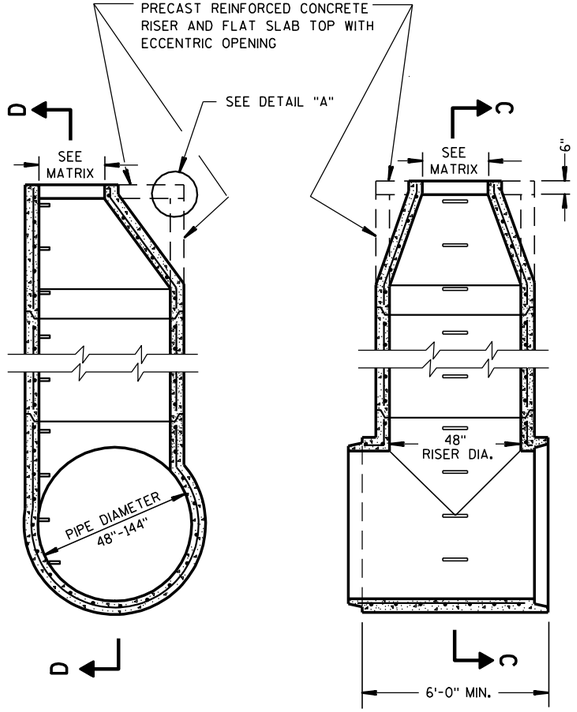
"C" BARS SHALL HAVE STANDARD HOOKED ENDS.

NOTE: "T" THROUGHOUT LENGTH "L" SHALL BE 13" FOR PIPE DIAMETER 48" TO 84" AND 15" FOR PIPE DIAMETER GREATER THAN 84".



SECTION B-B

MANHOLE VARIABLE SPECIAL 4-FT DIAMETER

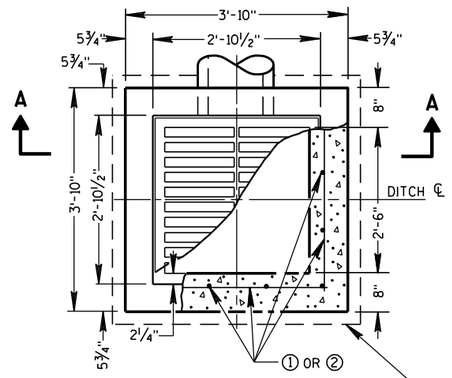


SECTION C-C SECTION D-D

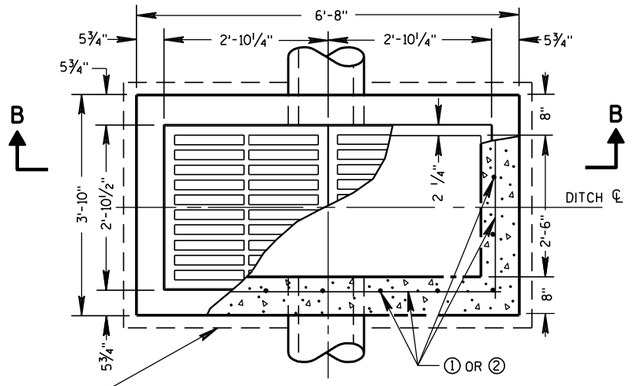
MANHOLE VARIABLE TEE 4-FT DIAMETER

MANHOLE VARIABLE TEE AND SPECIAL 4-FT DIAMETER	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED	
6/5/2012 DATE	/S/ Jerry H. Zogg ROADWAY STANDARDS ENGINEER
FHWA	

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S.D.D. 8 B 11-1

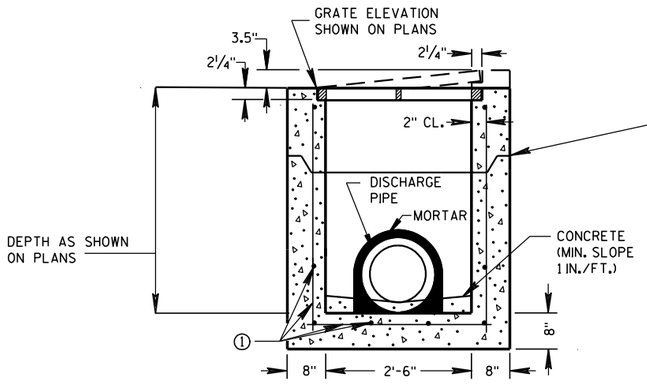


PLAN VIEW

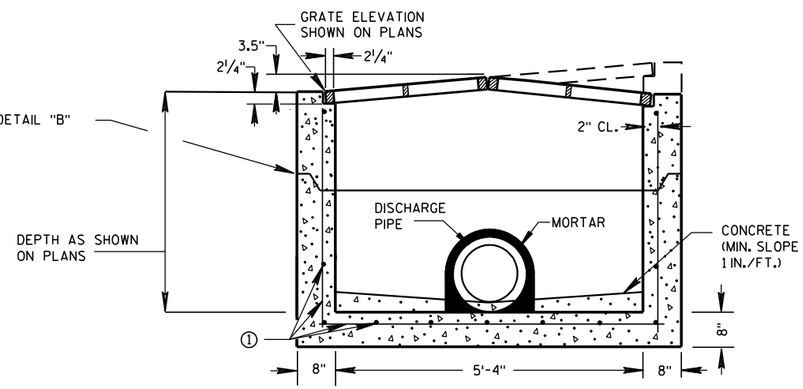


PLAN VIEW

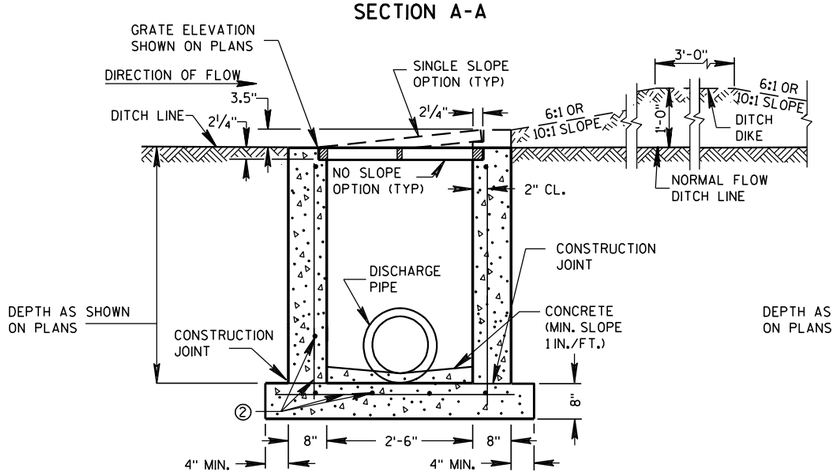
4" OVERHANGING BASE ON REINFORCED CAST-IN-PLACE CONCRETE INLETS



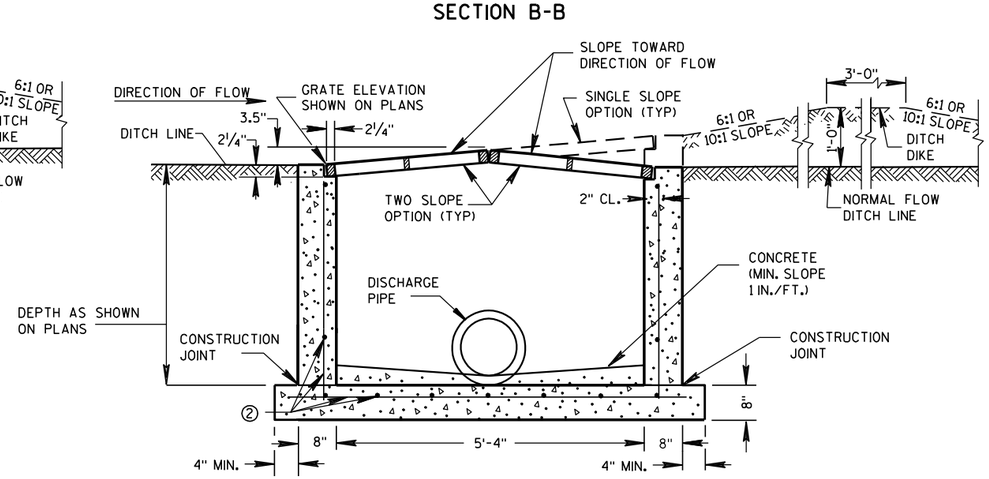
PRECAST REINFORCED CONCRETE SECTION A-A



PRECAST REINFORCED CONCRETE SECTION B-B



REINFORCED CAST-IN-PLACE CONCRETE SECTION A-A



REINFORCED CAST-IN-PLACE CONCRETE SECTION B-B

GENERAL NOTES

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.

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR INLETS WHICH MAY INCLUDE PRECAST REINFORCED CONCRETE INLETS, SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL MEDIAN INLETS ARE DESIGNATED ON THE PLANS AS "INLETS, 1G-MS", ETC. THE FIRST NUMBER AND LETTER DESIGNATE THE TYPE OF STRUCTURE, AND THE FOLLOWING LETTERS DESIGNATE THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

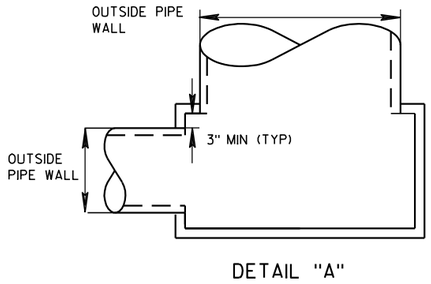
MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3" CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

① FOR PRECAST INLETS PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

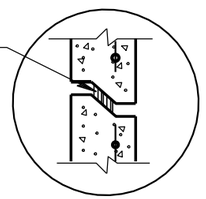
PIPE MATRIX

	MAXIMUM INSIDE PIPE DIAMETER	
INLET SIZE	WIDTH (IN)	LENGTH (IN)
1 GRATE	18	18
2 GRATE	18	42



DETAIL "A"

JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 (TYP)



DETAIL "B"

INLETS MEDIAN 1 GRATE

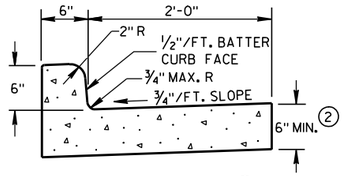
INLETS MEDIAN 2 GRATE

INLETS MEDIAN 1 AND 2 GRATE

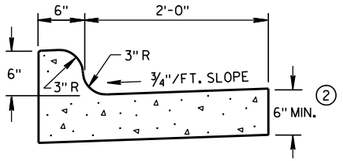
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/5/2012 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

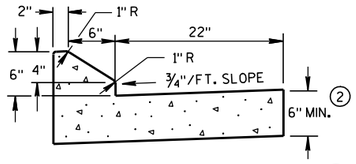
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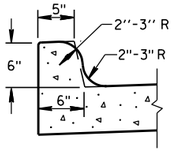
TYPES A & D (1)



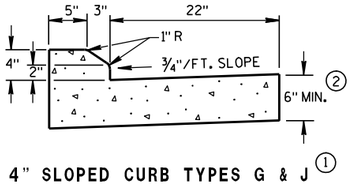
TYPES K & L (1)



6" SLOPED CURB TYPES G & J (1)

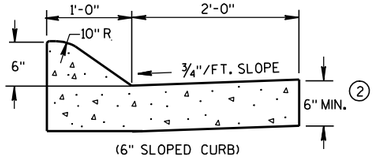


OPTIONAL CURB SHAPE FOR TYPES K & L (1)

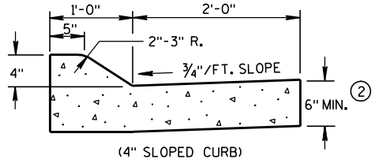


4" SLOPED CURB TYPES G & J (1)

CONCRETE CURB & GUTTER 30"

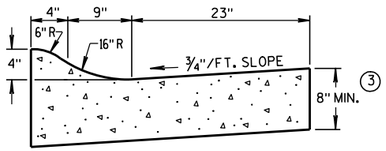


(6" SLOPED CURB)



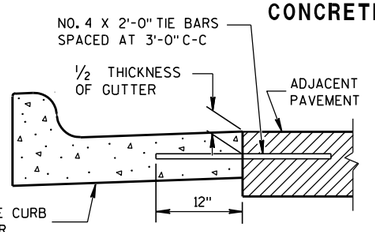
(4" SLOPED CURB)

TYPES A & D (1)

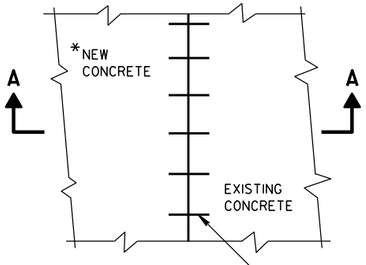


4" SLOPED CURB TYPES R & T (1) (4)

CONCRETE CURB & GUTTER 36"

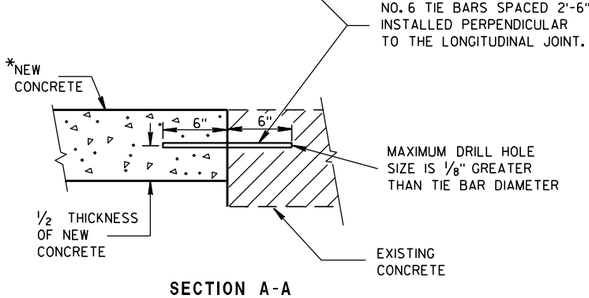


TYPICAL TIE BAR LOCATION (1)



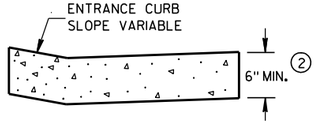
*NEW CURB & GUTTER, SURFACE DRAINS, CONCRETE PAVEMENT OR OTHER NEW CONCRETE.

PLAN VIEW



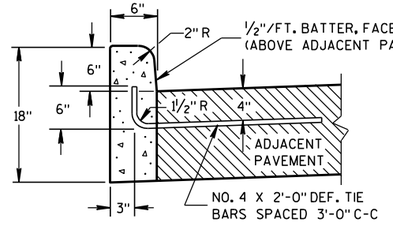
SECTION A-A

TIE BARS DRILLED INTO EXISTING PAVEMENT



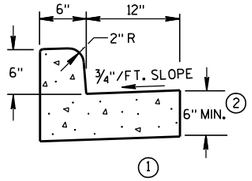
DRIVEWAY ENTRANCE CURB

(WHEN DIRECTED BY THE ENGINEER)



(1)

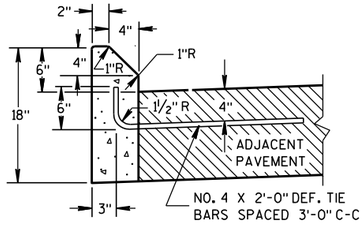
TYPES A & D



(1)

TYPES A & D

CONCRETE CURB & GUTTER 18"



(1)

TYPES G & J

CONCRETE CURB

(5)

REVERSE SLOPE GUTTER

(TYPICAL FOR ALL CURB & GUTTER TYPES)

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

INTEGRAL CURB & GUTTER SHALL CONFORM TO THE DETAILS SHOWN FOR CONCRETE CURB & GUTTER INCLUDING THE TRANSVERSE GUTTER SLOPE. A LONGITUDINAL CONSTRUCTION JOINT IS NOT REQUIRED WITH INTEGRAL CURB AND GUTTER.

WHERE THE TRANSVERSE JOINTS IN THE PAVEMENT ARE REQUIRED TO BE SEALED, THE JOINTS IN THE INTEGRAL CURB AND GUTTER SHALL BE SEALED TO THE FACE OF CURB WITH THE SAME TYPE OF SEALANT. THE COST OF FURNISHING AND INSTALLING THIS SEALANT SHALL BE INCIDENTAL TO THE ITEM CONCRETE CURB AND GUTTER.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2'-0" BEHIND THE BACK OF CURBS.

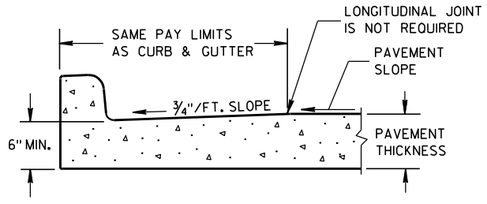
(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTER TYPES A, G, K AND R.

(2) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

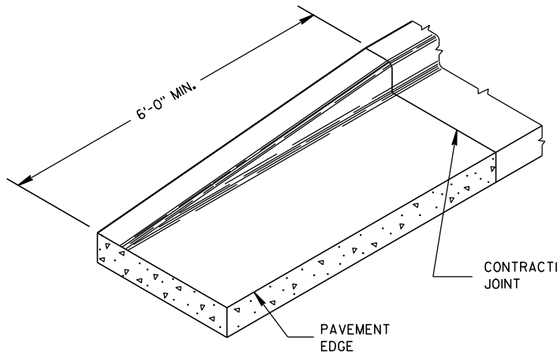
(3) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 8" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(4) THE FACE OF CURB IS 6" FROM THE BACK OF CURB.

(5) WHEN REVERSE SLOPE GUTTER IS REQUIRED, THE LOCATION(S) WILL BE SHOWN ELSEWHERE IN THE PLAN.



PARTIAL SECTION OF PAVEMENT WITH INTEGRAL CURB & GUTTER



END SECTION CURB & GUTTER

CONCRETE CURB, CONCRETE CURB & GUTTER AND TIES

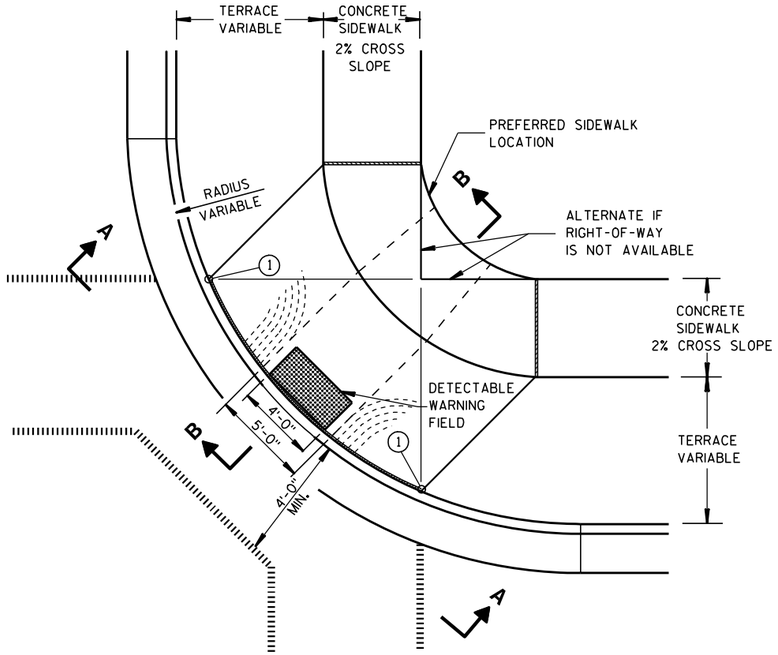
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
9/4/08 DATE
/S/ Jerry H. [illegible]
ROADWAY STANDARDS ENGINEER

FHWA

6

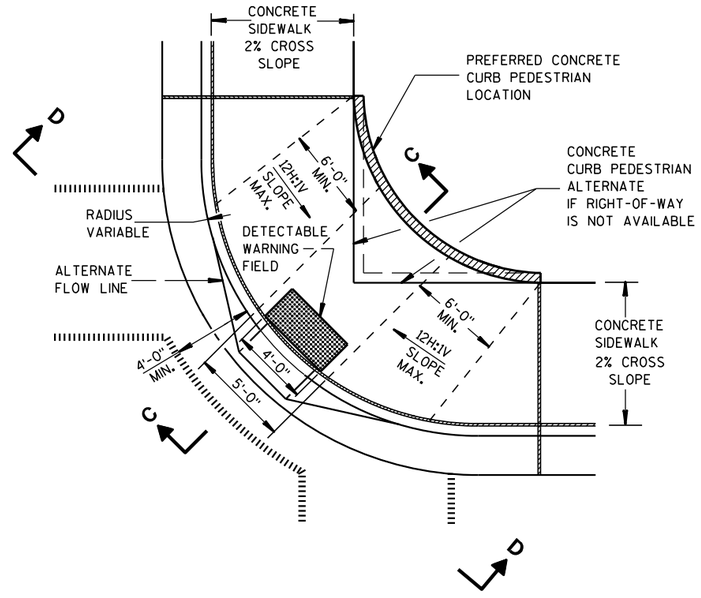
S.D.D. 8 D 1-17



PLAN VIEW

TYPE 1 RAMP

(CENTER OF CORNER RADIUS)



PLAN VIEW

TYPE 1-A RAMP

(NO TERRACE)

GENERAL NOTES

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.

RAMPS SHALL BE BUILT AT 12H:1V OR FLATTER. WHEN NECESSARY, THE SIDEWALK ELEVATION MAY BE LOWERED TO MEET THE HIGH POINT ON THE RAMP.

TYPE 1 RAMPS SHALL HAVE A NORMAL SIDEWALK APRON AND CURB ON BOTH SIDES OF RAMP.

DETECTABLE WARNING FIELD SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS "CURB RAMP DETECTABLE WARNING FIELD". THE CONCRETE PEDESTRIAN CURB, IF NEEDED, SHALL BE MEASURED AND PAID BY THE LINEAL FOOT AS "CONCRETE CURB PEDESTRIAN". CONCRETE SIDEWALK IN THE CURB RAMP AREA SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS CONCRETE SIDEWALK, INCLUDING THE AREA UNDER THE DETECTABLE WARNING FIELD.

SELECT CURB RAMP DETECTABLE WARNING FIELD MATERIALS AND DEVICES FROM THE DEPARTMENT'S APPROVED MATERIALS LIST. THE COLOR OF THE DETECTABLE WARNING FIELD IS SPECIFIED ELSEWHERE AND IS INCIDENTAL TO THE BID ITEM OF "CURB RAMP DETECTABLE WARNING FIELD".

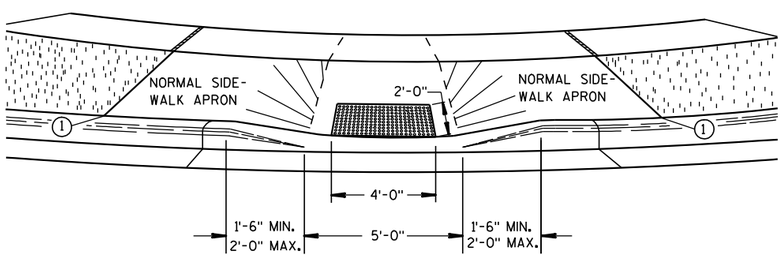
SURFACE TEXTURE OF THE RAMP SHALL BE OBTAINED BY COARSE BROOMING TRANSVERSE TO THE SLOPE OF THE RAMP.

(1) THIS POINT IS AN EXTENSION OF OUTSIDE EDGE OF APPROACHING SIDEWALK WHERE IT MEETS THE BACK OF CONCRETE CURB.

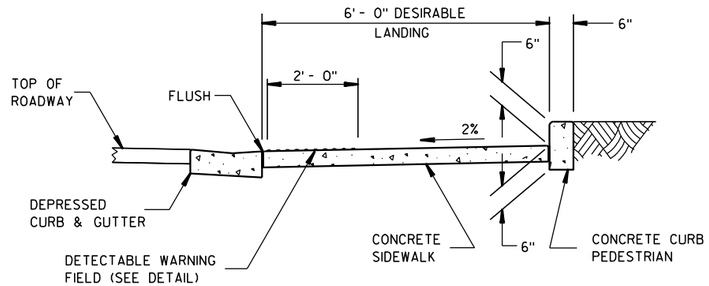
(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. PROVIDE DRAINAGE AWAY FROM CURB RAMP AT GUTTER FLAG INTERFACE.

LEGEND

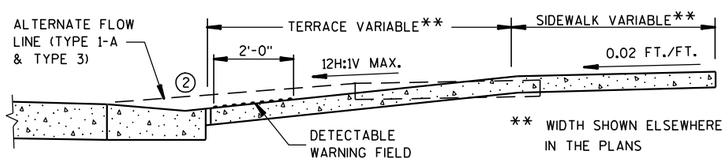
- ½" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)
- ALTERNATIVE LAYOUT



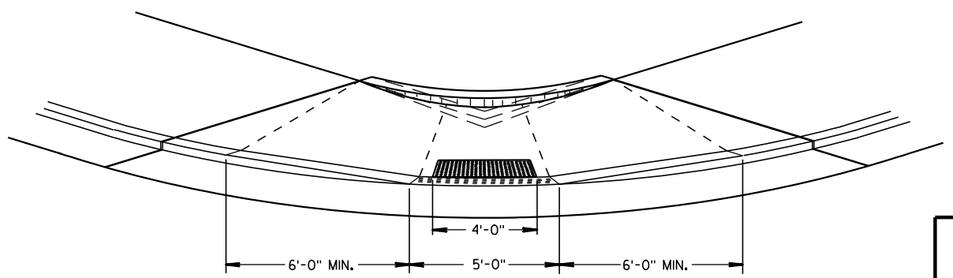
VIEW A-A



SECTION C-C



SECTION B-B



VIEW D-D

CURB RAMPS TYPES 1 AND 1-A

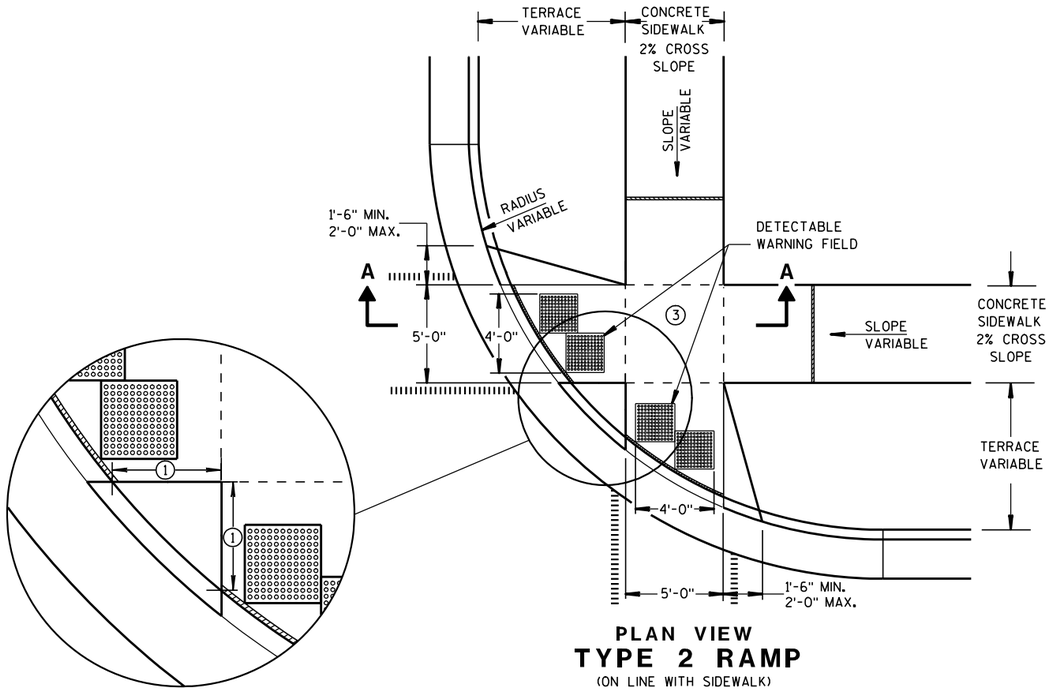
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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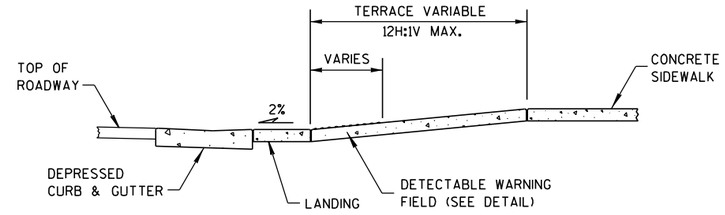
S.D.D. 8 D 5-14a

6

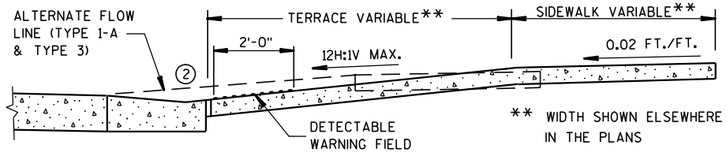
S.D.D. 8 D 5-14a



PLAN VIEW
TYPE 2 RAMP
(ON LINE WITH SIDEWALK)



SECTION A-A



SECTION B-B

GENERAL NOTES

USE THE TYPE 3 RAMP ONLY WHEN A TYPE 1 OR TYPE 2 CANNOT BE ACHIEVED BECAUSE OF FIELD CONDITIONS.

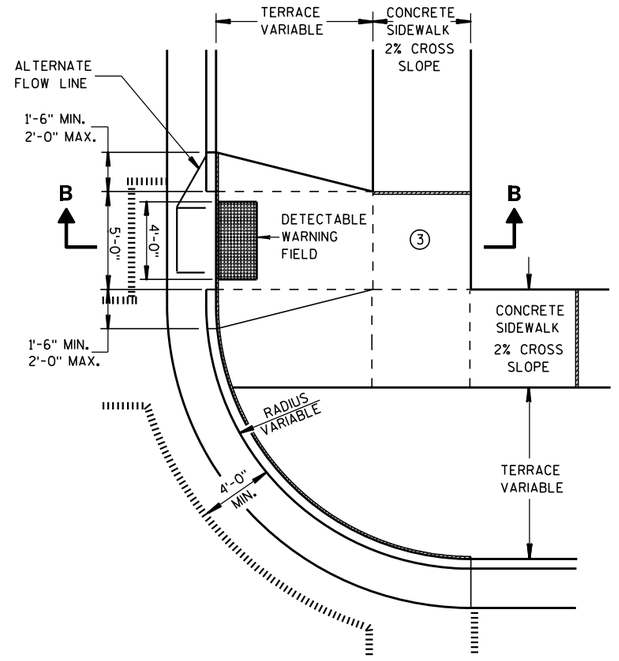
(1) WHEN THIS DISTANCE IS LESS THAN 6'-0" IT MAY BE DIFFICULT TO ACHIEVE A 12H:1V SLOPE, OR FLATTER, ON THE RAMP. REDUCE CURB HEIGHT IN TRIANGLE AREA TO ACHIEVE 12H:1V SLOPE, OR FLATTER, ON RAMP. 2" MINIMUM CURB HEIGHT.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. PROVIDE DRAINAGE AWAY FROM CURB RAMP AT GUTTER FLAG INTERFACE.

(3) PROVIDE LANDING AT TOP OF RAMP WITH NO MORE THAN 2% SLOPE IN ANY DIRECTION.

LEGEND

- ½" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)
- ALTERNATIVE LAYOUT

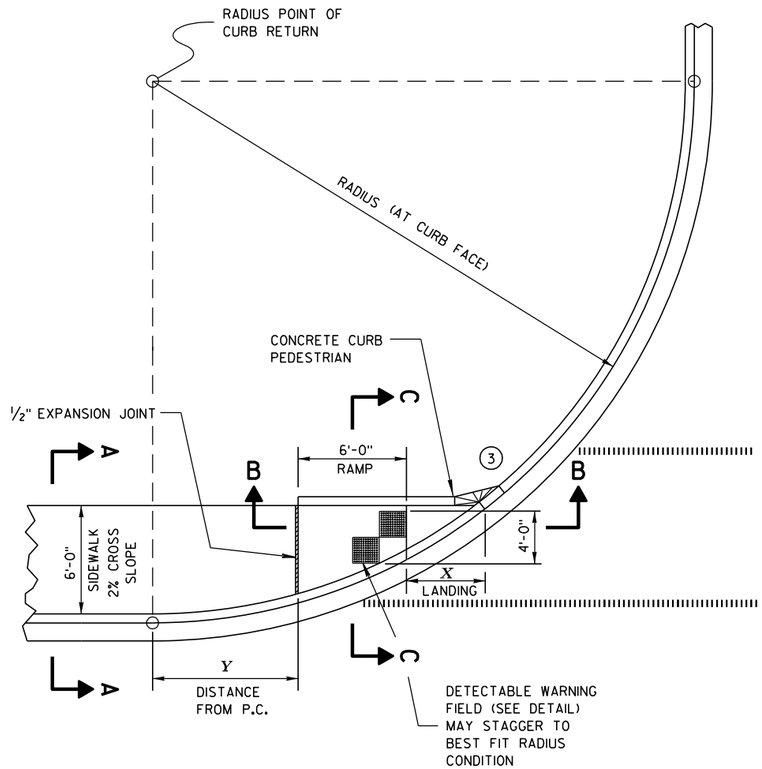


PLAN VIEW
TYPE 3 RAMP
(OUTSIDE OF CROSSWALK AREA)

CURB RAMPS TYPES 2 AND 3

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

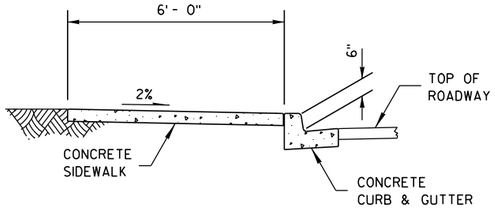
6
S.D.D. 8 D 5-14b



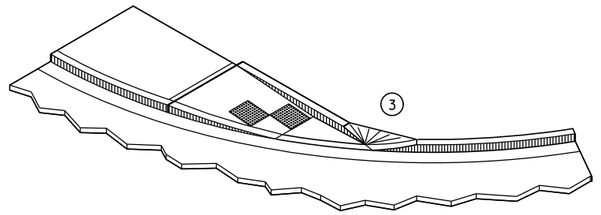
CURB RAMP TYPE 4A
PLAN VIEW

RADIUS (AT CURB FACE)	X	Y
20 FEET	6'-1¾"	2'-7¼"
30 FEET	7'-11¾"	4'-8¼"
40 FEET	9'-5¼"	6'-5"
50 FEET	10'-8¾"	7'-11¼"
60 FEET	11'-10¼"	9'-3½"

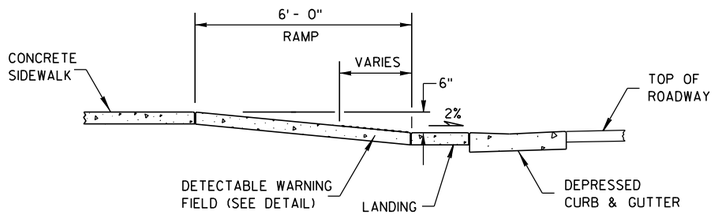
INTERMEDIATE RADII CAN BE INTERPOLATED



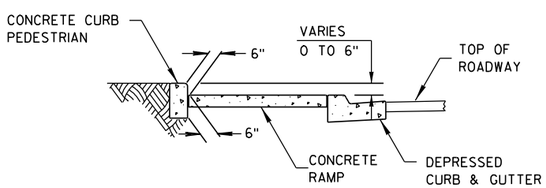
SECTION A-A



ISOMETRIC VIEW



SECTION B-B



SECTION C-C

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

RAMP SLOPES SHALL NOT BE STEEPER THAN 12:1.

SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

(3) INSTALL TRANSITION NOSE. (INCIDENTAL TO OTHER PAY ITEMS.) DO NOT MARK TRANSITION NOSE.

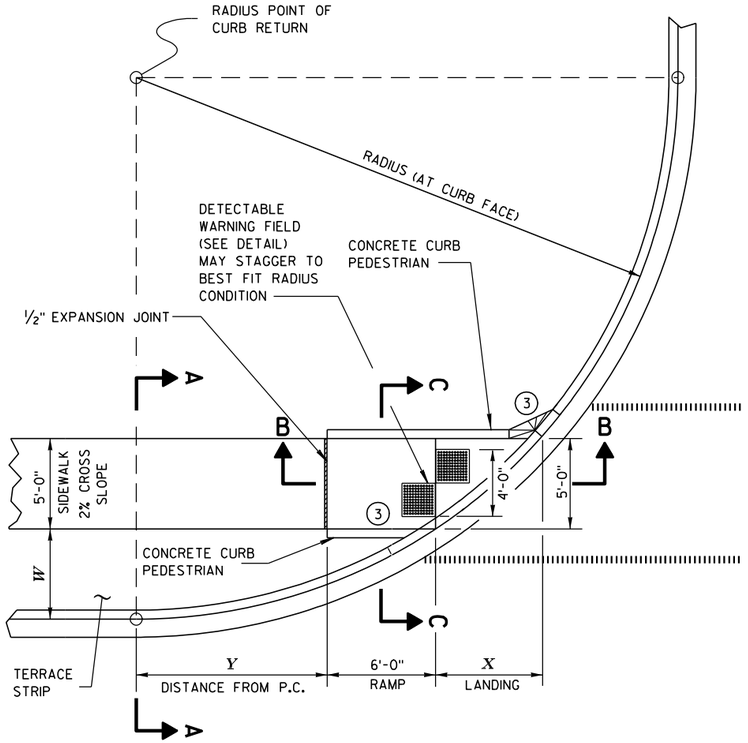
LEGEND

- ½" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS TYPE 4A

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6
S.D.D. 8 D 5-14c



CURB RAMP TYPE 4B
PLAN VIEW

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

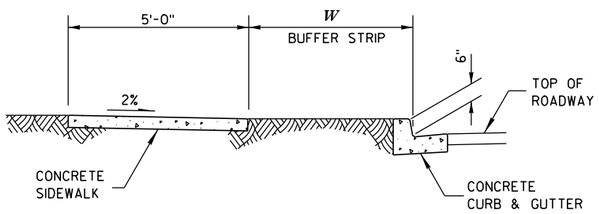
RAMP SLOPES SHALL NOT BE STEEPER THAN 12:1.

SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

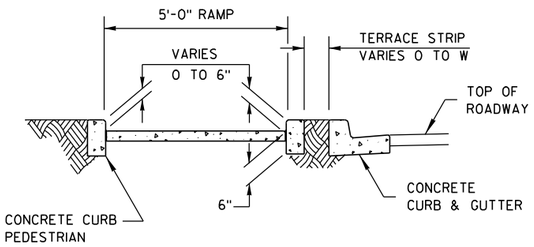
(3) INSTALL TRANSITION NOSE. (INCIDENTAL TO OTHER PAY ITEMS.) DO NOT MARK TRANSITION NOSE.

RADIUS (AT CURB FACE)	W = 3'-0"		W = 4'-0"		W = 5'-0"		W = 6'-0"		W = 7'-0"	
	X	Y	X	Y	X	Y	X	Y	X	Y
20 FEET	5'-5½"	4'-6½"	4'-8½"	6'-0"	4'-1"	7'-2¾"	3'-7"	8'-3½"	3'-1½"	9'-2½"
30 FEET	7'-3¾"	7'-1"	6'-5½"	8'-11½"	5'-9¼"	10'-7"	5'-2½"	12'-0"	4'-8¾"	13'-3¼"
40 FEET	8'-9½"	9'-2½"	7'-10"	11'-5¼"	7'-1"	13'-4½"	6'-5¾"	15'-¾"	5'-11½"	16'-7¼"
50 FEET	10'-¾"	11'-¾"	9'-¼"	13'-7¼"	8'-2½"	15'-9½"	7'-6½"	17'-9"	6'-11¾"	19'-6¼"
60 FEET	11'-2½"	12'-8¾"	10'-¾"	15'-6½"	9'-2¼"	17'-11¾"	8'-5¾"	20'-1¾"	7'-10½"	22'-1½"
70 FEET	12'-2¾"	14'-3¼"	11'-¼"	17'-4"	10'-1"	19'-11¾"	9'-3¾"	22'-4¼"	8'-8¼"	24'-6¼"
80 FEET	13'-2"	15'-8½"	11'-10½"	18'-11¾"	10'-10¾"	21'-10"	10'-1"	24'-4¾"	9'-5"	26'-8¾"
90 FEET	14'- ½"	17'-½"	12'-8¼"	20'-6½"	11'-7¾"	23'-7"	10'-9¾"	26'-3¾"	10'-1¼"	28'-9½"
100 FEET	14'-10½"	18'-3¾"	13'-5½"	22'-0"	12'-4¼"	25'-2¾"	11'-5¾"	28'-1½"	10'-9"	30'-9"

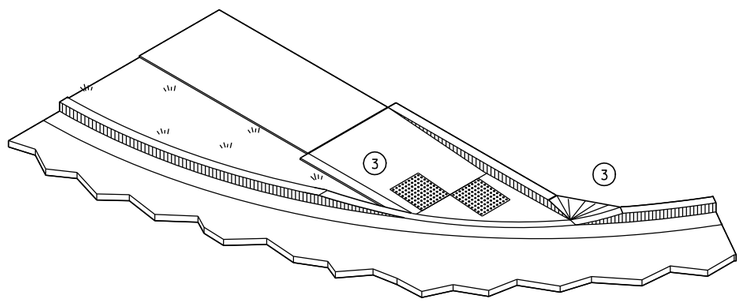
INTERMEDIATE RADII CAN BE INTERPOLATED



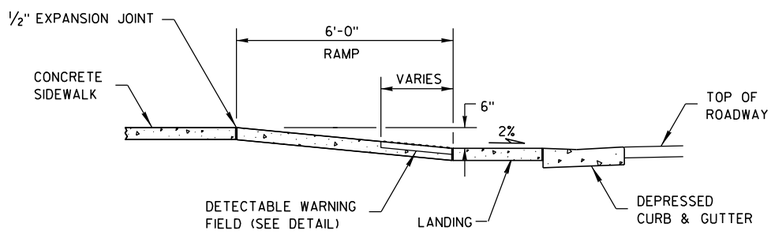
SECTION A-A



SECTION C-C



ISOMETRIC VIEW



SECTION B-B

LEGEND

½" EXPANSION JOINT-SIDEWALK

CONTRACTION JOINT FIELD LOCATED

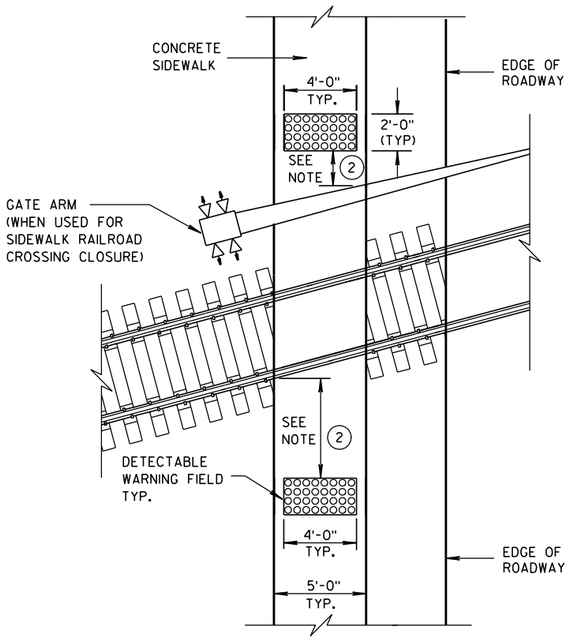
PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS TYPE 4B

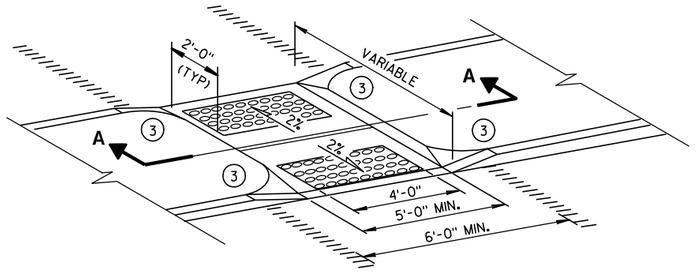
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

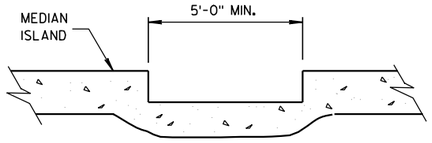
S.D.D. 8 D 5-14d



TYPE 8
DETECTABLE WARNINGS AT RAILROAD CROSSING



MEDIAN ISLAND
NON-ELEVATED CROSSING
TYPE 5



SECTION A-A

GENERAL NOTES

SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

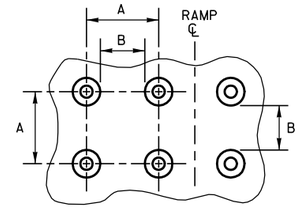
(1) SLOPE SIDEWALK TOWARD LANDING AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

(2) THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO A RAILROAD CROSSING SHALL BE 1.5 FEET ± 0.1' FROM THE FACE OF THE GATE ARM IF THE GATE ARM EXTENDS ACROSS THE SIDEWALK. WHERE THERE IS NO PEDESTRIAN GATE, THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO THE RAILROAD CROSSING SHALL BE 15 FEET FROM THE NEAREST RAIL.

(3) INSTALL TRANSITION NOSE. (INCIDENTAL TO OTHER PAY ITEMS.) DO NOT MARK TRANSITION NOSE.

LEGEND

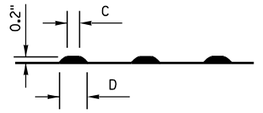
- ½" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)



PLAN VIEW

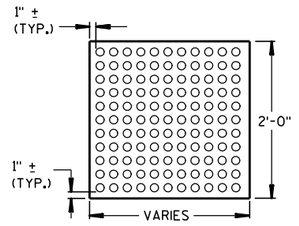
	MIN.	MAX.
A	1.6"	2.4"
B	0.65"	1.5"
C	*	*
D	0.9"	1.4"

* THE C DIMENSION IS 50% TO 65% OF THE D DIMENSION.



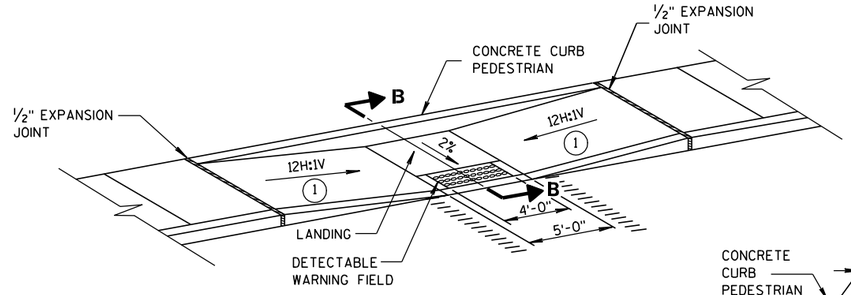
ELEVATION VIEW

TRUNCATED DOMES
DETECTABLE WARNING PATTERN DETAIL

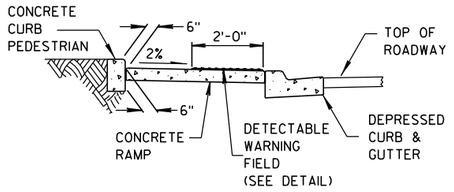


PLAN VIEW

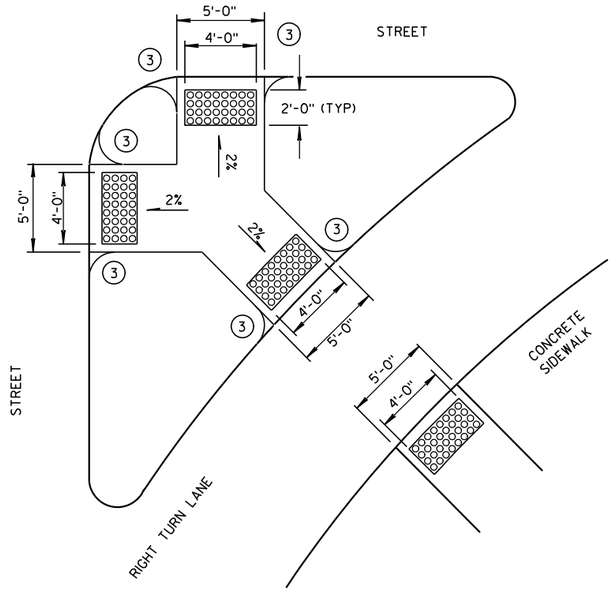
DETECTABLE WARNING FIELD (TYPICAL)



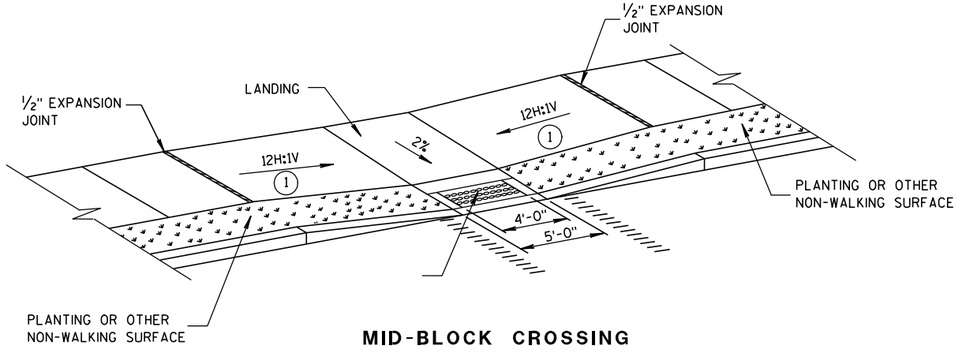
MID-BLOCK CROSSING
TYPE 7A



SECTION B-B



TYPE 6
DETECTABLE WARNING AT ISLANDS



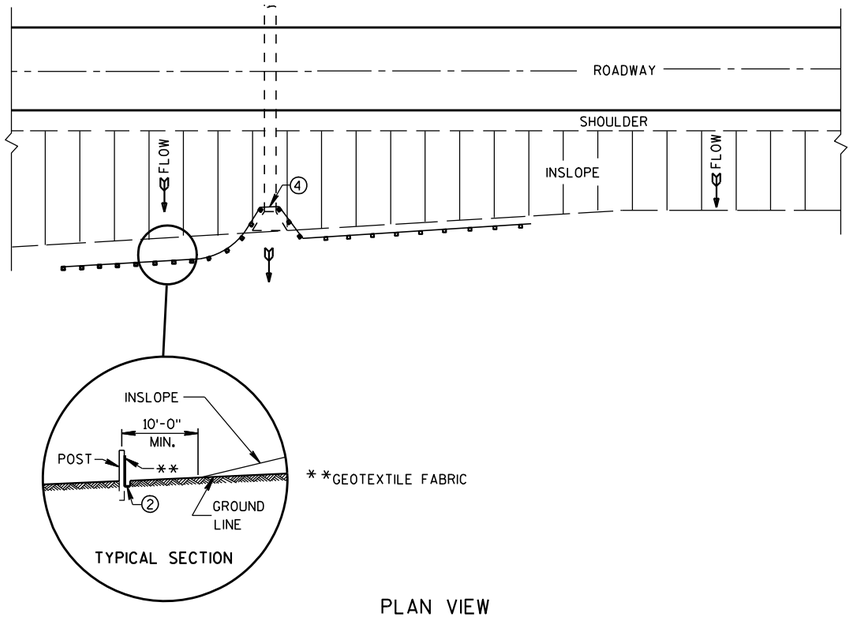
MID-BLOCK CROSSING
TYPE 7B

NOTE: THESE PARALLEL AND PARALLEL/PERPENDICULAR CURB RAMPS MAY BE USED AT INTERSECTIONS AND MID BLOCK LOCATIONS.

CURB RAMPS TYPES 5, 6, 7A, 7B & 8

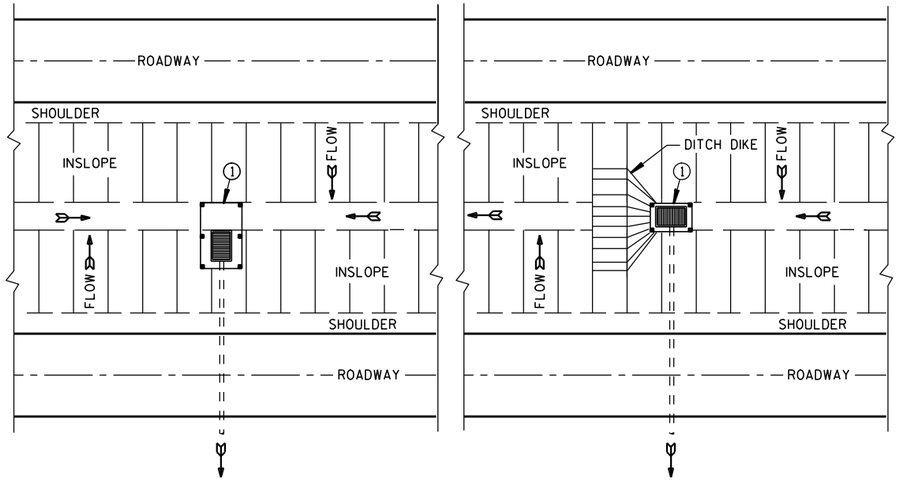
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
2-9-10 DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER
192
FHWA



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



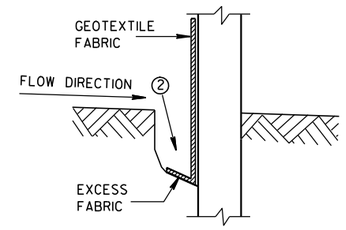
PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

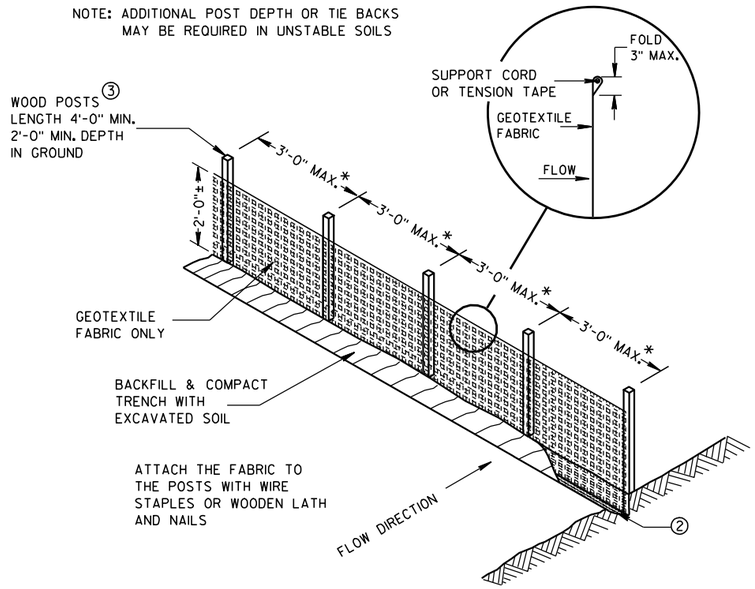
GENERAL NOTES

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

1. HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
2. FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
3. WOOD POSTS SHALL BE A MINIMUM SIZE OF 1⅛" X 1⅛" OF OAK OR HICKORY.
4. SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.
5. CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.

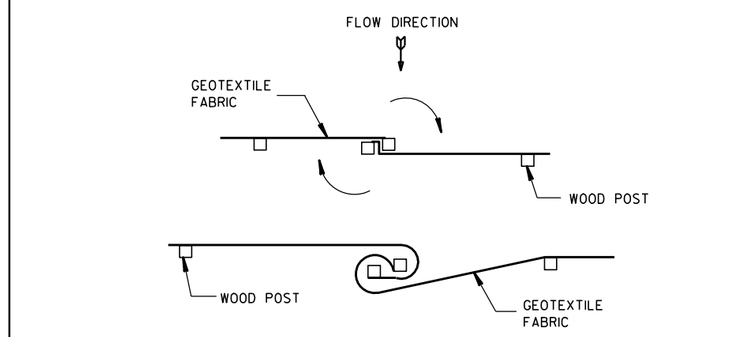


TRENCH DETAIL

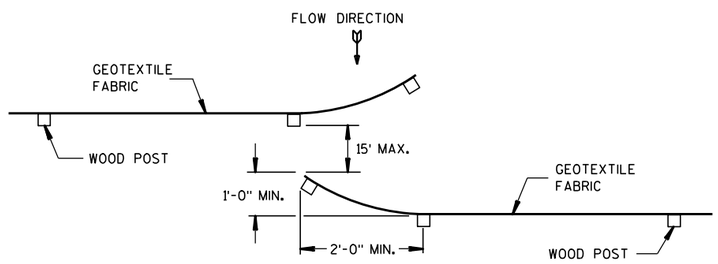


*NOTE: 8'-0" POST SPACING ALLOWED IF A WOVEN GEOTEXTILE FABRIC IS USED.

SILT FENCE

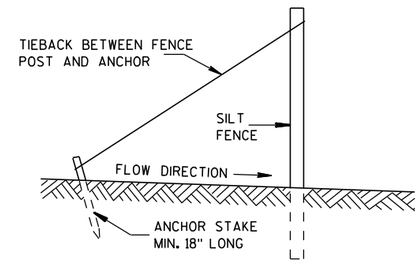


TWIST METHOD



HOOK METHOD

JOINING TWO LENGTHS OF SILT FENCE 5



SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)

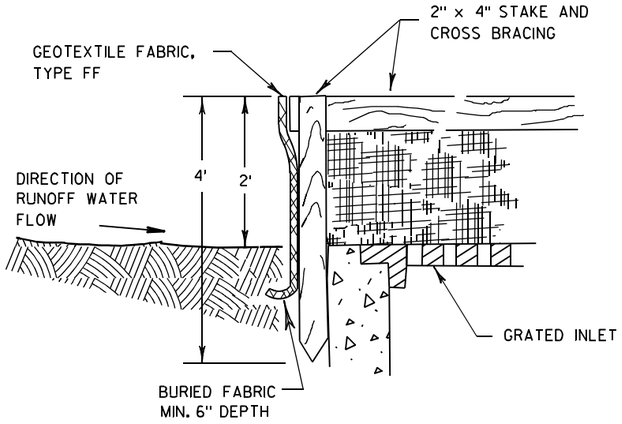
SILT FENCE	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED	
4-29-05 DATE	/S/ Beth Cannestra CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA	

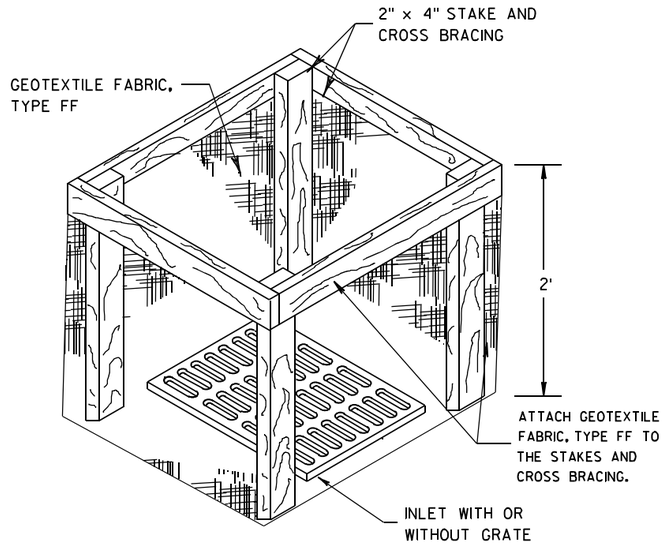
6

S.D.D. 8 E 9-6

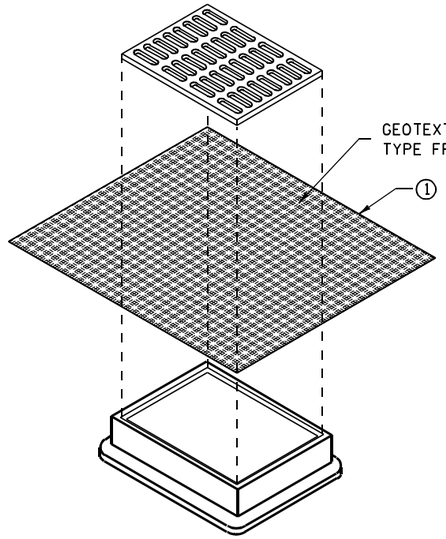
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S.D.D. 8 E 9-6



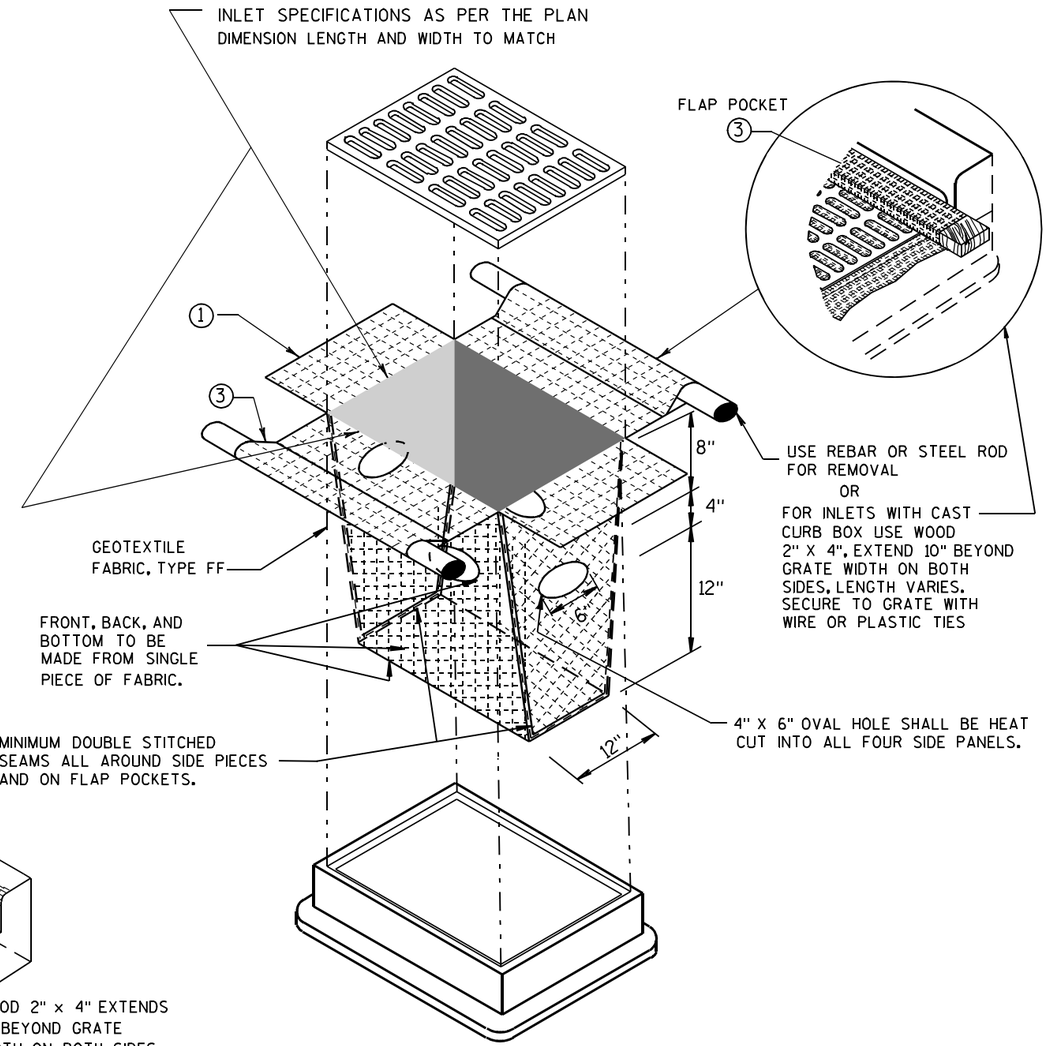


INLET PROTECTION, TYPE A



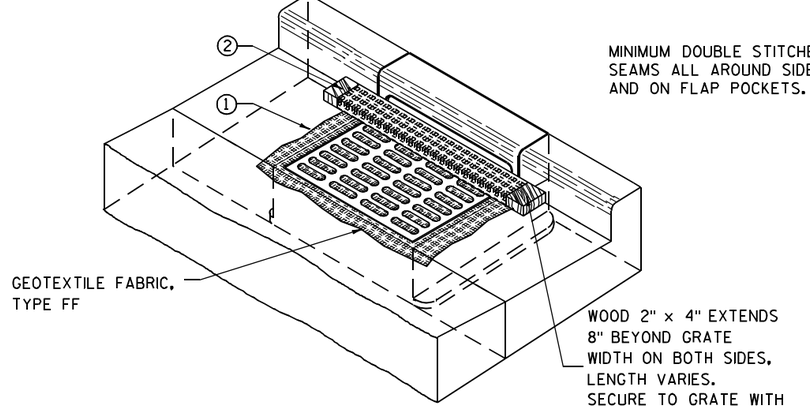
INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)



INLET PROTECTION, TYPE D

(CAN BE INSTALLED IN ANY INLET TYPE WITH
OR WITHOUT A CURB BOX AS PER NOTE ②)



INLET PROTECTION, TYPE C (WITH CURB BOX)

GENERAL NOTES

INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.

MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.

WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

① FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.

② FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.

③ FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.

INSTALLATION NOTES

TYPE B & C

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

TYPE D

DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

INLET PROTECTION
TYPE A, B, C, AND D

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

10/16/02
DATE

/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER

FHWA

6
S.D.D. 8 E 10-2

METAL APRON ENDWALLS

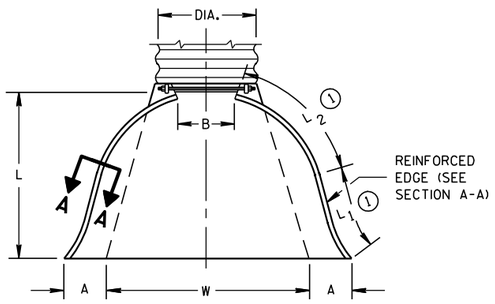
PIPE DIA. (IN.)	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4	36	2 1/2 to 1	1 Pc.
21	.064	.060	9	12	6	36	18	29 5/8	42	2 1/2 to 1	1 Pc.
24	.064	.075	10	13	6	41	18	37 1/4	48	2 1/2 to 1	1 Pc.
30	.079	.075	12	16	8	51	18	52 1/4	60	2 1/2 to 1	1 Pc.
36	.079	.105	14	19	9	60	24	59 3/4	72	2 1/2 to 1	2 Pc.
42	.109	.105	16	22	11	69	24	75 5/8	84	2 1/2 to 1	2 Pc.
48	.109	.105	18	27	12	78	24	81	90	2 1/4 to 1	3 Pc.
54	.109	.105	18	30	12	84	30	85 1/2	102	2 1/4 to 1	3 Pc.
60	.109×	.105×	18	33	12	87	—	—	114	2 to 1	3 Pc.
66	.109×	.105×	18	36	12	87	—	—	120	2 to 1	3 Pc.
72	.109×	.105×	18	39	12	87	—	—	126	2 to 1	3 Pc.
78	.109×	.105×	18	42	12	87	—	—	132	1 1/2 to 1	3 Pc.
84	.109×	.105×	18	45	12	87	—	—	138	1 1/2 to 1	3 Pc.
90	.109×	.105×	18	37	12	87	—	—	144	1 1/2 to 1	3 Pc.
96	.109×	.105×	18	35	12	87	—	—	150	1 1/2 to 1	3 Pc.

× EXCEPT CENTER PANEL SEE GENERAL NOTES

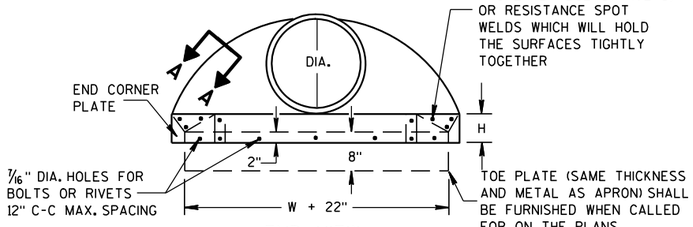
REINFORCED CONCRETE APRON ENDWALLS

PIPE DIA. (IN.)	DIMENSIONS (Inches) T	A	B	C	D	E	G	APPROX. SLOPE
12	2	4	24	48 7/8	72 1/8	24	2	3 to 1
15	2 1/4	6	27	46	73	30	2 1/4	3 to 1
18	2 1/2	9	27	46	73	36	2 1/2	3 to 1
21	2 3/4	9	36	37 1/2	73 1/2	42	2 3/4	3 to 1
24	3	9 1/2	43 1/2	30	73 1/2	48	3	3 to 1
27	3 1/4	10 1/2	49 1/2	24	73 1/2	54	3 1/4	3 to 1
30	3 1/2	12	54	19 3/4	73 1/2	60	3 1/2	3 to 1
36	4	15	63	34 3/4	97 3/4	72	4	3 to 1
42	4 1/2	21	63	35	98	78	4 1/2	3 to 1
48	5	24	72	26	98	84	5	3 to 1
54	5 1/2	27	65	* 33 1/4 - ** 35	* 98 1/4 - ** 100	90	5 1/2	2 2/5 to 1
60	6	* 30 - ** 35	60	39	99	96	5	2 to 1
66	6 1/2	* 24 - ** 30	* 72 - ** 78	* 21 - ** 27	99	102	5 1/2	2 to 1
72	7	* 24 - ** 36	78	21	99	108	6	2 to 1
78	7 1/2	* 24 - ** 36	78	21	99	114	6 1/2	2 to 1
84	8	36	90 1/2	21	111 1/2	120	6 1/2	1 1/2 to 1
90	8 1/2	41	87 1/2	24	111 1/2	132	6 1/2	1 1/2 to 1

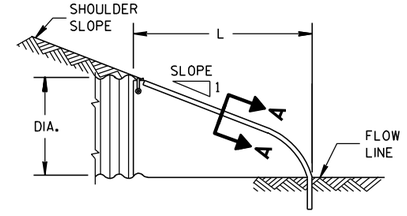
*MINIMUM
**MAXIMUM



PLAN VIEW

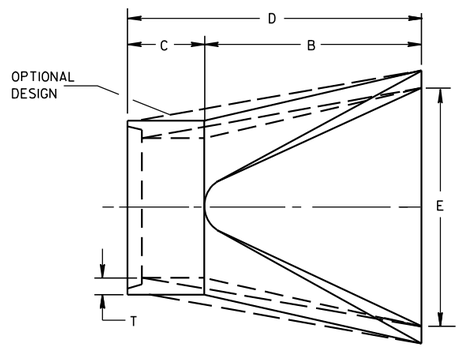


END VIEW

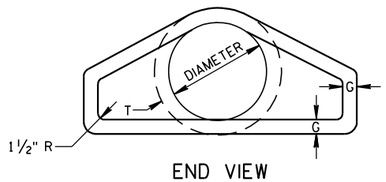


SIDE ELEVATION

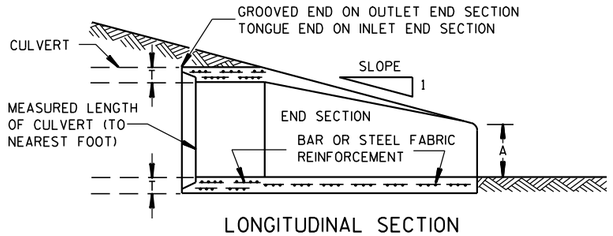
METAL ENDWALLS



PLAN

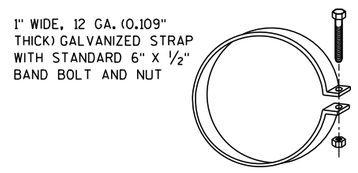


END VIEW



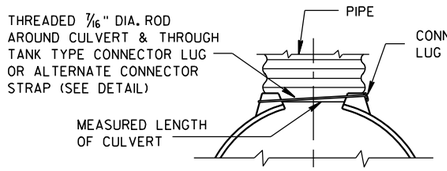
LONGITUDINAL SECTION

CONCRETE ENDWALLS

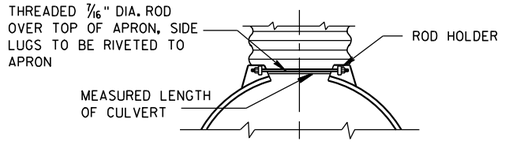


ALTERNATE FOR TYPE 1 CONNECTION

END SECTION CONNECTOR STRAP

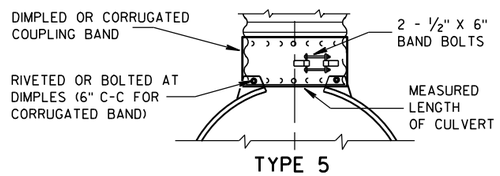


TYPE 1
FOR 12" THRU 24" CORR. PIPE



TYPE 2
FOR 30" THRU 96" CORR. PIPE

TYPE 3
FOR 42" THRU 96" CORR. PIPE



TYPE 5
ALTERNATE FOR:
ALL SIZES CORRUGATED CIRCULAR PIPE

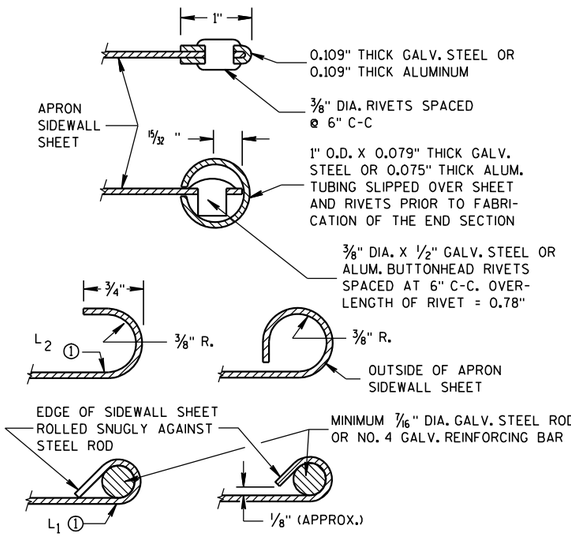
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

FOR CIRCUMFERENTIALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2, 3 OR 5 AS APPLICABLE.

FOR HELICALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2 OR 5.

FOR HELICALLY CORRUGATED PIPES WITH TWO CIRCUMFERENTIAL CORRUGATIONS AT EACH END USE ENDWALL CONNECTION DETAILS 1, 2 OR 3.

CONNECTION DETAILS



SECTION A-A

GENERAL NOTES

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.

CONCRETE CULVERT ENDWALLS MAY NOT BE USED WITH GALVANIZED STEEL OR ALUMINUM CULVERT PIPE OR VISE VERSA. GALVANIZED STEEL OR ALUMINUM ENDWALLS SHALL NORMALLY BE INSTALLED ON CULVERT PIPE OF THE SAME METAL.

ALL THREE PIECE STEEL APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.105" SIDES AND 0.134" CENTER PANELS. THE WIDTH OF CENTER PANELS SHALL BE GREATER THAN 20 PERCENT OF THE PIPE PERIMETER.

LAP SEAMS SHALL BE TIGHTLY JOINED BY GALVANIZED RIVETS OR BOLTS FOR STEEL UNITS AND ALUMINUM RIVETS AND BOLTS FOR ALUMINUM UNITS. FOR THE 60" THROUGH 96" DIAMETER APRON ENDWALL SIZES, THE REINFORCED EDGES AND CENTER PANEL SEAMS SHALL BE FURTHER REINFORCED WITH GALVANIZED STEEL OR ALUMINUM STIFFENER ANGLES. THE ANGLES SHALL BE ATTACHED BY GALVANIZED NUTS AND BOLTS FOR STEEL UNITS AND ALUMINUM NUTS AND BOLTS FOR ALUMINUM UNITS.

WHERE TWO OR MORE PIPES WITH APRON ENDWALLS ARE LAID ADJACENT TO EACH OTHER, THEY SHALL BE SEPARATED BY A DISTANCE SUFFICIENT TO PROVIDE A MINIMUM CLEARANCE OF 6 INCHES BETWEEN APRON ENDWALLS.

① FOR PIPE SIZES UP TO 60" DIAMETER, A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

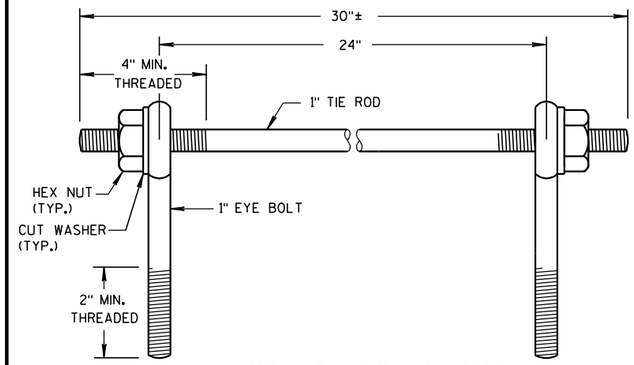
APRON ENDWALLS FOR CULVERT PIPE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

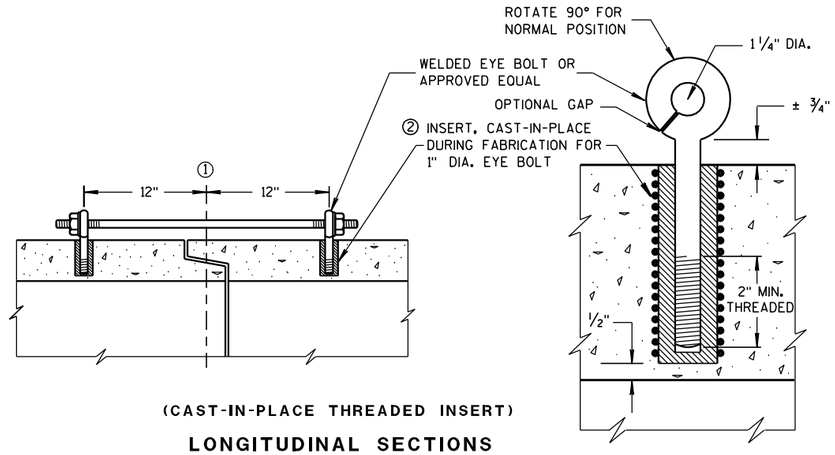
APPROVED
11/30/94 DATE
/S/ Rory L. Rhinesmith CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6

S.D.D. 8 F 1-11



EYE BOLTS AND TIE ROD



(CAST-IN-PLACE THREADED INSERT)

LONGITUDINAL SECTIONS

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 1)

GENERAL NOTES

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

CONCRETE CULVERT AND STORM SEWER PIPE SHALL BE TIED TOGETHER IN THE MANNER ILLUSTRATED BY THIS DETAIL AT LOCATIONS DESIGNATED IN THE STANDARD SPECIFICATIONS AND THE PLAN. THE CONTRACTOR MAY USE EITHER ALTERNATE 1, 2 OR 3 FOR DRAINAGE STRUCTURES. ONLY ALTERNATE 1 AND 3 MAY BE USED FOR CATTLE PASSES, UNLESS OTHERWISE STATED IN THE CONTRACT. THE MATERIALS, FABRICATION AND WORK NECESSARY TO TIE THE PIPE BY THIS DETAIL WILL BE CONSIDERED INCIDENTAL TO THE PIPE AND APRON ENDWALLS IF REQUIRED.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR JOINT TIES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

JOINT TIES TO BE HOT-DIP GALVANIZED PER ASTM A 153.

① ℄ OF TONGUE AND GROOVE OR BELL AND SPIGOT JOINTS.

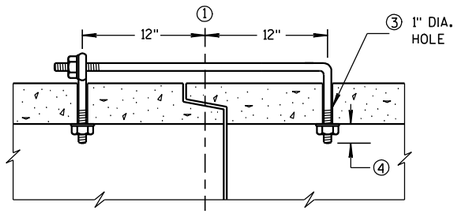
② THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE BOLTS.

③ HOLES SHALL BE CAST-IN-PLACE OR DRILLED 12 INCHES FROM ℄ OF TONGUE AND GROOVE.

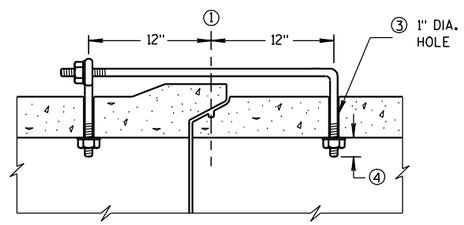
④ BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

⑤ OPENING TO BE ROD DIAMETER PLUS 1 INCH.

⑥ LENGTH ADEQUATE TO EXTEND TO WITHIN 1/2 INCH OF THE INNER SURFACE OF THE PIPE.



(TONGUE & GROOVE PIPE)

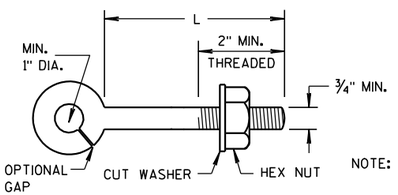


(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

EYE BOLT DIMENSION TABLE

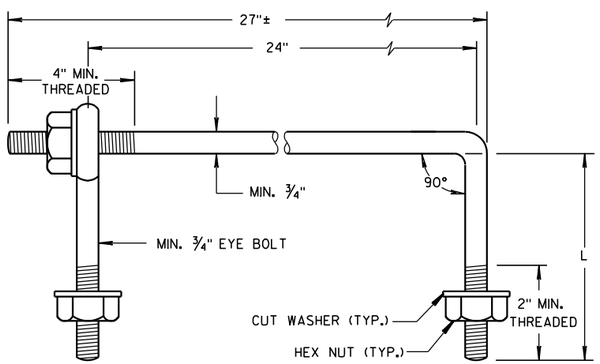
PIPE SIZE	L = LENGTH	
	TONGUE & GROOVE PIPE	MODIFIED BELL PIPE
18" TO 24"	4 1/2"	6 1/4"
30"	5"	7"
36"	5 1/2"	7"
42"	6"	
48"	6 1/2"	
60"	7 1/2"	
66"	8"	



NOTE:

EYE BOLT

NOTE: TWO EYE BOLTS MAY BE USED WITH A 30" LONG THREADED ROD IN LIEU OF THE 90° BENT TIE ROD.



EYE BOLT AND TIE ROD

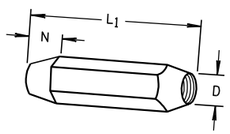
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 2)

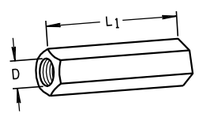
ADJUSTABLE TIE ROD TABLE

PIPE DIAMETER	TIE ROD DIAMETER	D	L_1	N
12-60	5/8	5/8	5	1/2
66-84	3/4	3/4	5	1/2
90-108	1	1	7	1 1/16

DIMENSIONS SHOWN ARE IN INCHES



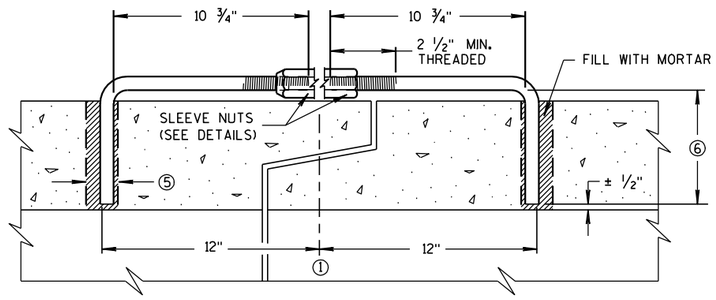
TAPERED



PLAIN

RIGHT AND LEFT THREADS

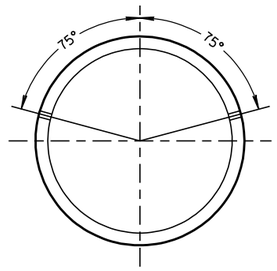
SLEEVE NUTS



LONGITUDINAL SECTION

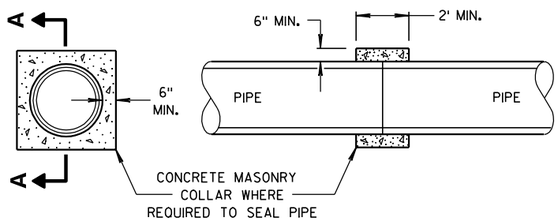
(JOINT TIES FOR 12" TO 108" DIA. CONCRETE PIPE)

ADJUSTABLE TIE ROD (ALTERNATE NO. 3)



PLACEMENT OF (2) CAST-IN-PLACE INSERTS OR HOLES DURING FABRICATION FOR PIPE SECTIONS REQUIRING TIE RODS

TRANSVERSE SECTION



SECTION A-A

CONCRETE COLLAR DETAIL

JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

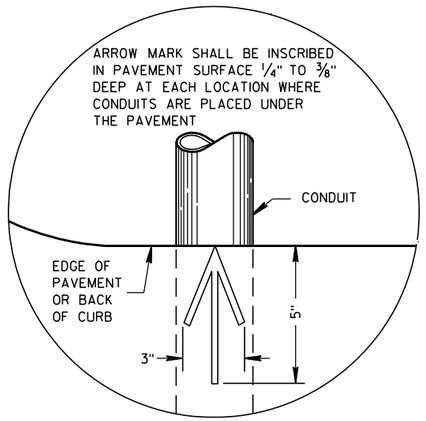
APPROVED
6/5/2012 DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER
196
FHWA

6

S.D.D. 8 F 4-7

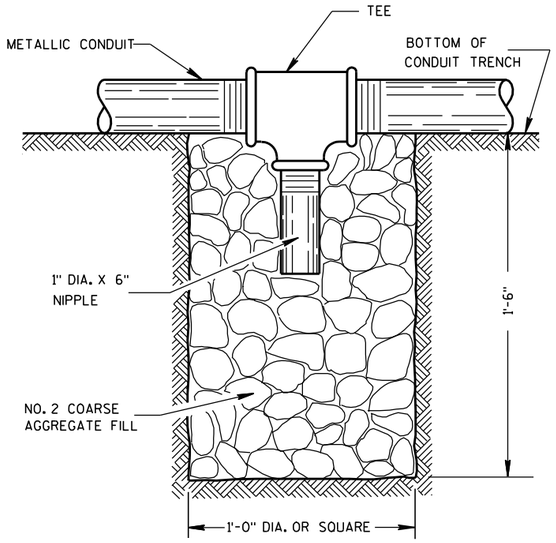
6

S.D.D. 8 F 4-7



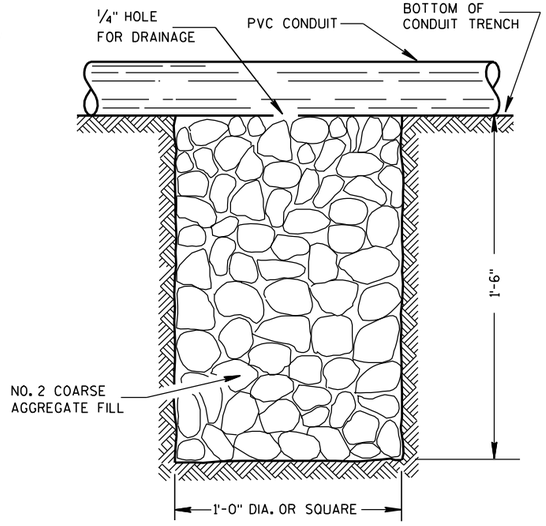
PLAN VIEW

ARROW MARK



NOTE: INSTALL AT LOCATIONS WHERE METALLIC CONDUITS CANNOT BE PITCHED TO DRAIN INTO A PULL BOX.

DRAIN SUMP FOR METALLIC CONDUIT



NOTE: INSTALL AT LOCATIONS WHERE PVC CONDUITS CANNOT BE PITCHED TO DRAIN INTO A PULL BOX.

DRAIN SUMP FOR PVC CONDUIT

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

METALLIC (STANDARD SPECIFICATION 652.2.2) OR NONMETALLIC (STANDARD SPECIFICATION 652.2.3) CONDUIT SHALL BE FURNISHED AND PLACED AS SHOWN.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

THE TRENCH SHALL NOT BE BACKFILLED PRIOR TO INSPECTION OF THE CONDUIT.

ALL METALLIC CONDUIT RACEWAY ENDS SHALL BE REAMED AND THREADED.

ALL METALLIC CONDUIT IN WHICH WIRE OR CABLE IS TO BE INSTALLED SHALL BE BUSHED WITH APPROVED THREADED BUSHINGS BEFORE INSTALLATION OF THE WIRE OR CABLE.

ALL METALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT TO BE INSTALLED SHALL BE CAPPED WITH THREADED PROTECTIVE CAPS, AS APPROVED BY THE ENGINEER.

ALL NONMETALLIC CONDUIT SHALL BE CAPPED OR PLUGGED IMMEDIATELY AFTER INSTALLATION AND SHALL REMAIN CAPPED OR PLUGGED UNTIL WIRE/CABLES ARE INSTALLED.

NONMETALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BENDING OF PVC ELECTRICAL CONDUIT SHALL BE ACCOMPLISHED BY USING A BLANKET OR EMERSION TYPE TANK DESIGNED FOR THE PURPOSE OF BENDING PVC ELECTRICAL CONDUIT.

ALL CUT ENDS SHALL BE TRIMMED INSIDE AND OUTSIDE TO REMOVE ALL ROUGH EDGES ON NONMETALLIC CONDUIT. (SEE NEC 347.5)

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY U.L. LISTED ADAPTER FITTINGS SHALL BE USED.

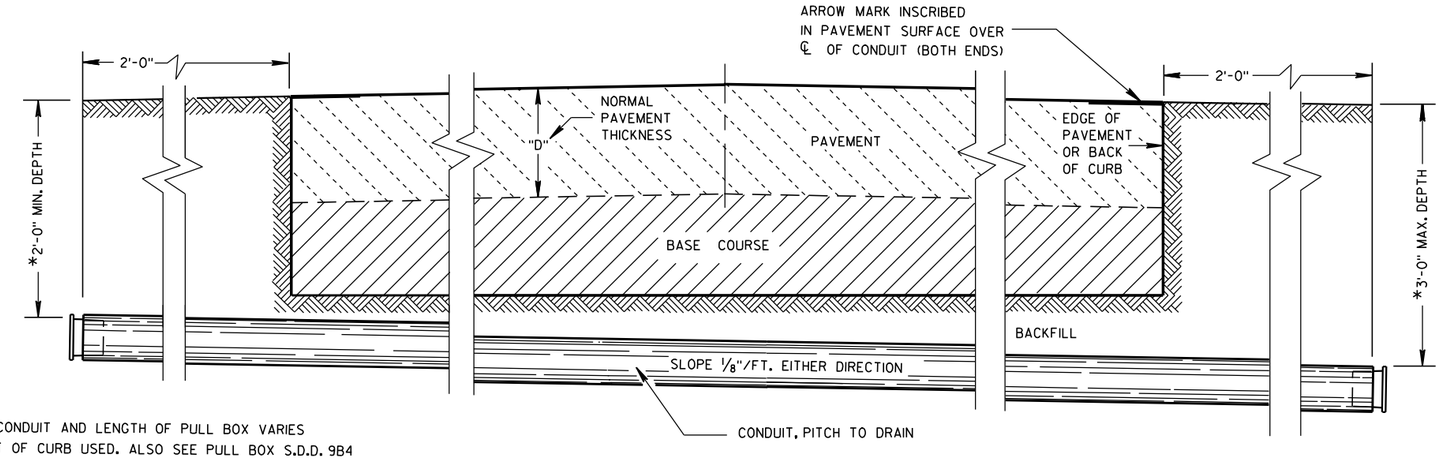
PRIOR TO CONDUIT ACCEPTANCE, CONDUIT CAPS OR PLUGS SHALL BE REMOVED, AND THE CAPS, PLUGS AND CONDUIT ENDS SHALL BE THOROUGHLY CLEANED AND THEN THE CAPS OR PLUGS REINSTALLED TO ENSURE THAT THE CAPS OR PLUGS CAN BE EASILY REMOVED IN THE FUTURE.

ALL CONDUIT BEING FURNISHED AND INSTALLED SHALL HAVE THE U.L. LABEL FIRMLY ATTACHED.

CONDUIT RUNS SHALL BE THE SAME SIZE OF CONDUIT FROM ONE END TO THE OTHER (FROM PULL BOX TO PULL BOX-OR-JUNCTION BOX TO JUNCTION BOX-OR-BASE TO BASE, ETC.).

POLY ROPE OR A PULL WIRE SHALL BE INSTALLED AS STATED IN THE STANDARD SPECIFICATION, ITEM 652.3.1.1.

ALL CONDUIT RUNS SHALL BE STRAIGHT (WITHOUT BENDS) FROM PULL BOX TO PULL BOX, PULL BOX TO BASE AND BASE TO BASE AS SHOWN ON THE PLANS.



*DEPTH OF CONDUIT AND LENGTH OF PULL BOX VARIES WITH HEIGHT OF CURB USED. ALSO SEE PULL BOX S.D.D. 9B4

SIDE ELEVATION

DETAIL FOR CONDUIT UNDER PAVED HIGHWAYS

CONDUIT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

10/23/03 DATE

/S/ Balu Ananthanarayanan
STATE ELECTRICAL ENGI

197

HWYS

FHWA

TABLE OF NOMINAL DIMENSIONS AND WEIGHTS

DIMENSION IN INCHES		CORRUGATED STEEL PIPE								
PIPE DIAMETER (INSIDE)	A	12	12	12	18	18	18	24	24	24
PIPE LENGTH **	B	24	30	36	24	30	36	36	42	48
WALL THICKNESS	C	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064
COVER	D	10 1/4	10 1/4	10 1/4	16 1/4	16 1/4	16 1/4	22 1/4	22 1/4	22 1/4
FRAME	E	14 1/2	14 1/2	14 1/2	20 1/2	20 1/2	20 1/2	26 1/2	26 1/2	26 1/2
FRAME	F	8 1/2	8 1/2	8 1/2	14 1/2	14 1/2	14 1/2	20 1/2	20 1/2	20 1/2
FRAME	G	11 1/2	11 1/2	11 1/2	17 1/2	17 1/2	17 1/2	23 1/2	23 1/2	23 1/2
WEIGHT IN POUNDS *										
FRAME AND COVER		60	60	60	110	110	110	155	155	155

* THE ACTUAL WEIGHT OF THE MANHOLE FRAME AND COVER MAY VARY WITHIN 5 PERCENT PLUS OR MINUS OF THE WEIGHTS SHOWN.

** NORMALLY USED LENGTHS. THE PROJECT ENGINEER SHALL DETERMINE IF PIPE LENGTHS, OTHER THAN THOSE SPECIFIED, SHALL BE USED, TO A MAXIMUM OF 48" (CONTINUOUS LENGTH, NON-SPLICED). THE ADDITIONAL LENGTH SHALL BE INCIDENTAL TO THE PULL BOX BID PRICE.

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

ALL FRAMES AND COVERS SHALL BE HEAVY DUTY TYPE, SUITABLE FOR VEHICULAR TRAFFIC LOADS.

PULL BOXES LOCATED IN THE ROADWAYS SHALL HAVE LOCKING COVERS.

ENTRANCE HOLES INTO PULL BOXES SHALL BE CUT WITH A CIRCULAR HOLE SAW OR HYDRAULIC CONDUIT PUNCH. HOLE SIZE SHALL BE THE OUTSIDE DIAMETER OF THE CONDUIT THAT IS TO FIT IN THE OPENING PLUS NO MORE THAN 1/4".

THE CONTRACTOR SHALL NOT INSTALL WIRE IN ANY PULL BOX UNTIL ITS INSTALLATION HAS BEEN INSPECTED AND ACCEPTED BY THE ENGINEER.

GROUNDING LUGS (MECHANICAL CONNECTORS) SHALL BE U.L. LISTED AND APPROVED FOR USE WITH COPPER WIRE. THE MECHANICAL CONNECTION (INSIDE AND OUTSIDE) TO THE PULL BOX, SHALL BE TOTALLY AND PERMANENTLY SEALED WITH A SILICONE OR RUBBERIZED CAULKING COMPOUND AS APPROVED BY THE ENGINEER.

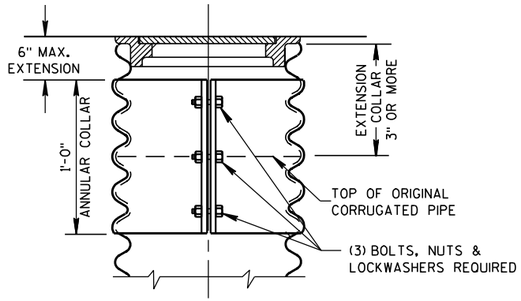
GROUNDING LUGS ARE NOT REQUIRED IN PULL BOXES WHEN VOLTAGES OF LESS THAN 50 VOLTS AC ARE THE ONLY VOLTAGES ENCOUNTERED IN THE BOXES.

ALL METALLIC CONDUIT IN WHICH WIRE AND/OR CABLE IS TO BE INSTALLED, SHALL BE BUSHED BEFORE INSTALLATION OF THE WIRE AND/OR CABLE.

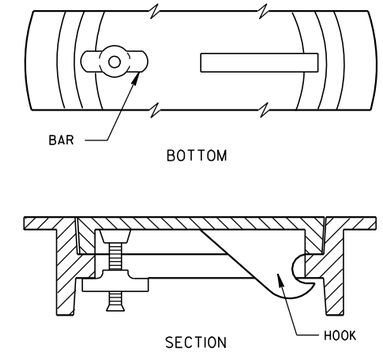
S.D.D. 9B2, "CONDUIT", APPLIES TO THIS DRAWING.

WHEN PULL BOXES ARE INSTALLED FOR FUTURE USE, DO NOT INSTALL THE EQUIPMENT GROUNDING LUG. THE EQUIPMENT GROUNDING LUG, THE EQUIPMENT GROUNDING ELECTRODE AND THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE REQUIRED AND INSTALLED UNDER A FUTURE WIRING CONTRACT.

IF PULL BOX EQUIPMENT GROUNDING IS REQUIRED USING AN EQUIPMENT GROUNDING ELECTRODE IN EACH PULL BOX, THE EQUIPMENT GROUNDING ELECTRODE SHALL BE 5/8" X 8'-0", COPPERCLAD AND BE EXOTHERMICALLY WELDED TO A #4 AWG, COPPER, STRANDED WIRE (BARE OR GREEN INSULATED). THE #4 AWG WIRE SHALL BE 4 FEET IN LENGTH, NEATLY COILED, TAPED AND AVAILABLE FOR USE WHEN REQUIRED.

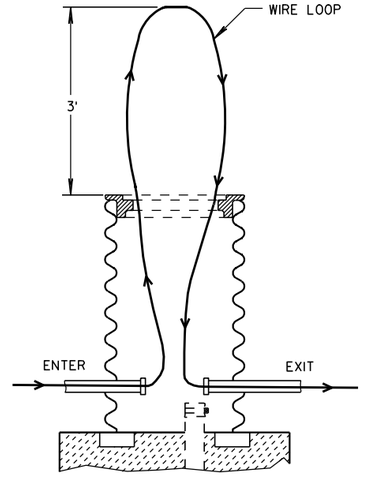


CORRUGATED PIPE EXTENDER

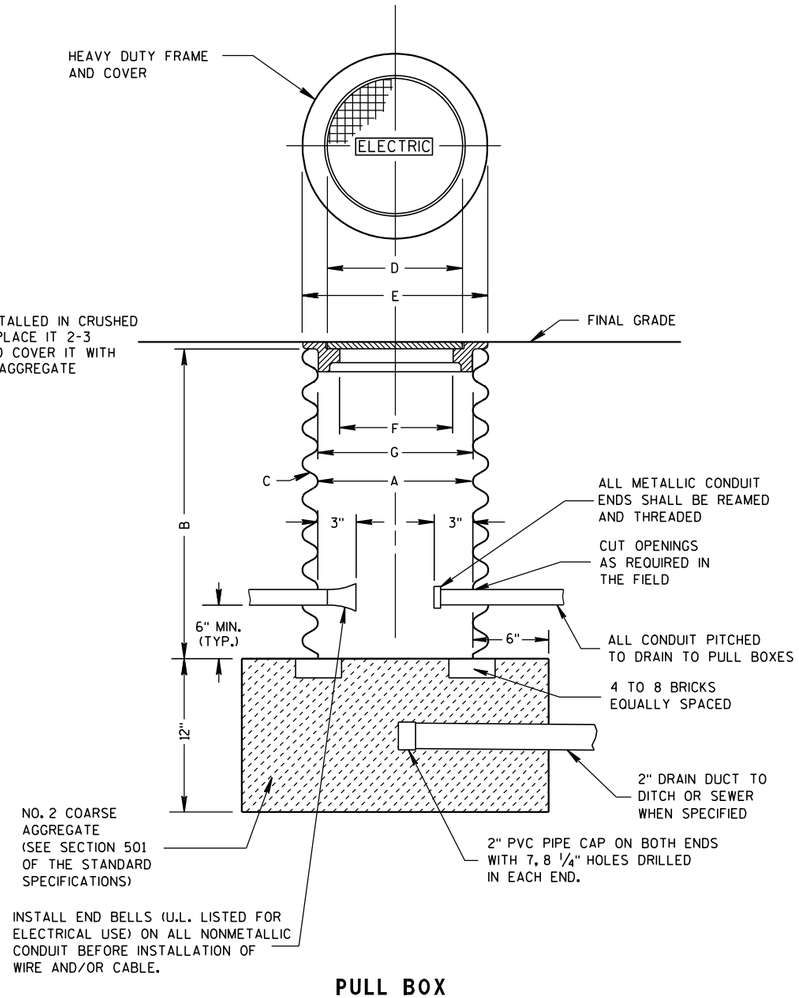


ALTERNATE COVER (LOCKING)

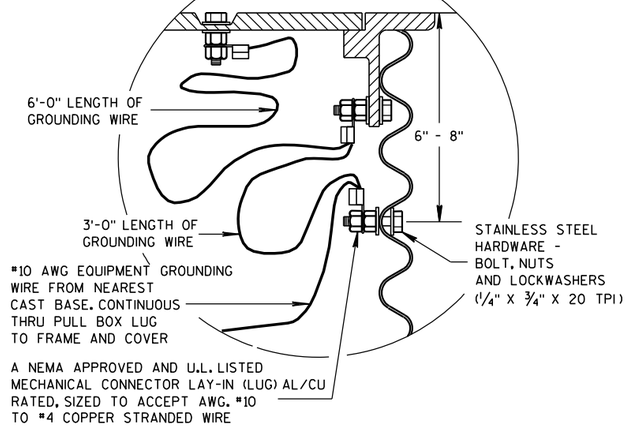
TIGHTENING BAR TYPE



MEASUREMENT DETAIL FOR WIRE/CABLE IN THE PULL BOX



PULL BOX



EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES

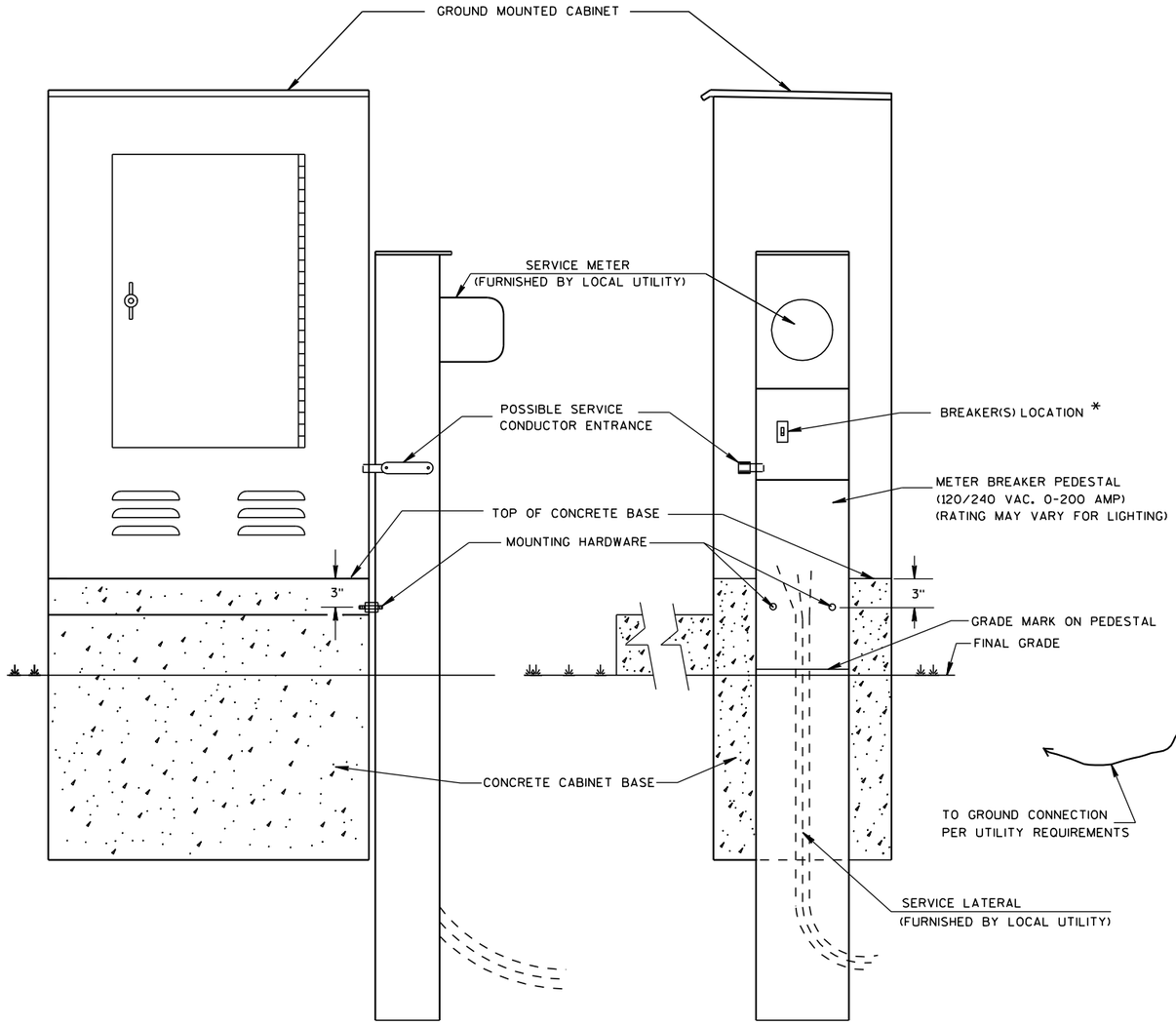
PULL BOX

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
9/27/06 DATE
/S/ Balu Ananthanarayanan
STATE ELECTRICAL ENGI
FHWA

6

S.D.D. 9 B 4-9



TYPICAL CABINET SERVICE INSTALLATION

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

THE EXACT LOCATION OF THE METER BREAKER PEDESTAL SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

THE TYPE OF CONCRETE CABINET BASE TO BE INSTALLED SHALL BE AS CALLED FOR IN THE PLANS.

TO FACILITATE FLUSH MOUNTING OF THE METER BREAKER PEDESTAL AGAINST THE SIDE OF THE CABINET BASE (IF FLUSH MOUNTING POSSIBLE. CONFER WITH THE LOCAL UTILITY TO DETERMINE WHICH SIDE OF THE CONCRETE BASE THE ELECTRICAL SERVICE LATERAL WILL APPROACH. THEN FORM THAT INDICATED SIDE FOR FULL SIDE DEPTH.

WHILE FLUSH MOUNTING IS THE MOST DESIRABLE MOUNTING CONFIGURATION UTILITY REQUIREMENTS MAY PRECLUDE THIS OPTION. CONTRACTOR MUST PROVIDE UTILITY APPROVED PEDESTAL AND INSTALL PER UTILITY AND MANUFACTURERS REQUIREMENTS.

SERVICE CONDUCTOR ENTRANCES SHALL BE RIGID METALLIC CONDUIT, NIPPLES AND/OR CONDULETS AS REQUIRED.

SERVICE CONDUCTOR ENTRANCES SHALL BE SIZED AND LOCATED AS REQUIRED BY THE LOCAL UTILITY AND IN ACCORDANCE WITH APPROPRIATE ARTICLES OF THE LATEST ACCEPTED NATIONAL ELECTRICAL CODE.

IF MORE THAN ONE GROUNDING ELECTRODE IS REQUIRED, THE DISTANCE APART SHALL BE 6 FEET OR PER LOCAL UTILITY REGULATIONS.

* SOME PEDESTAL LIGHTING PLANS SHOW MAIN LUGS ONLY.

CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
10/27/09 DATE
/S/ Joanna L. Bush STATE ELECTRICAL ENGI
FHWA

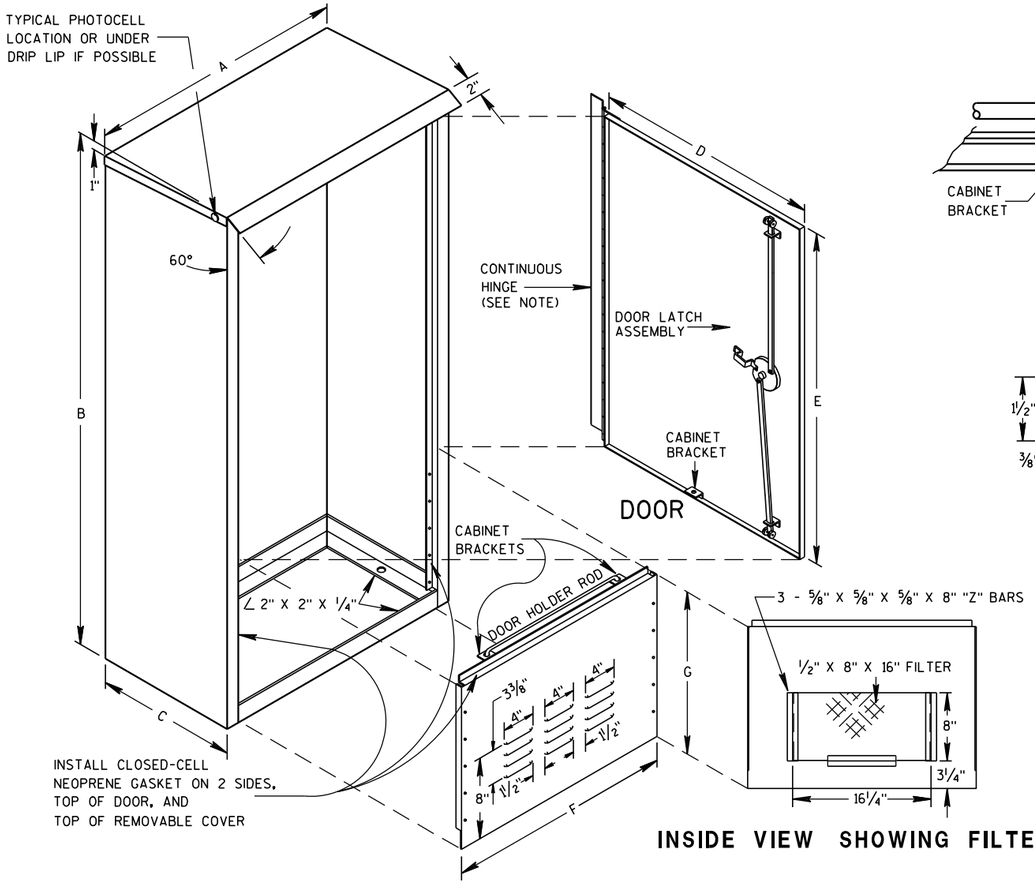
HWYS

6

S.D.D. 9 D 1-4

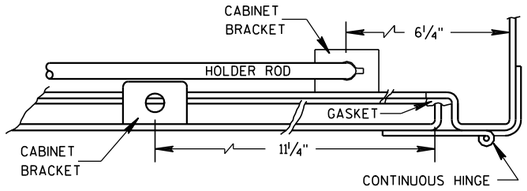
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S.D.D. 9 D 1-4

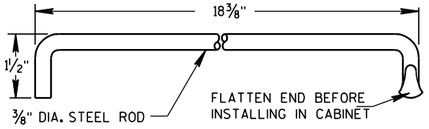


REMOVABLE COVER

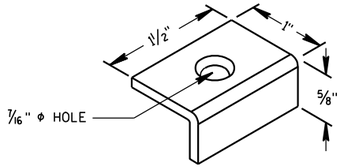
INSIDE VIEW SHOWING FILTER



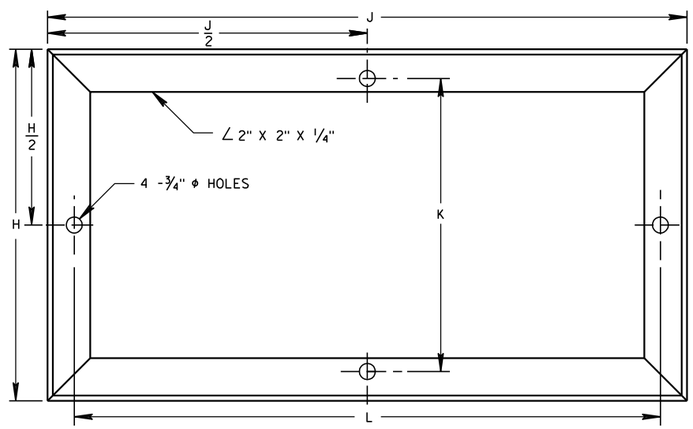
HINGE & DOOR HOLDER



HOLDER ROD



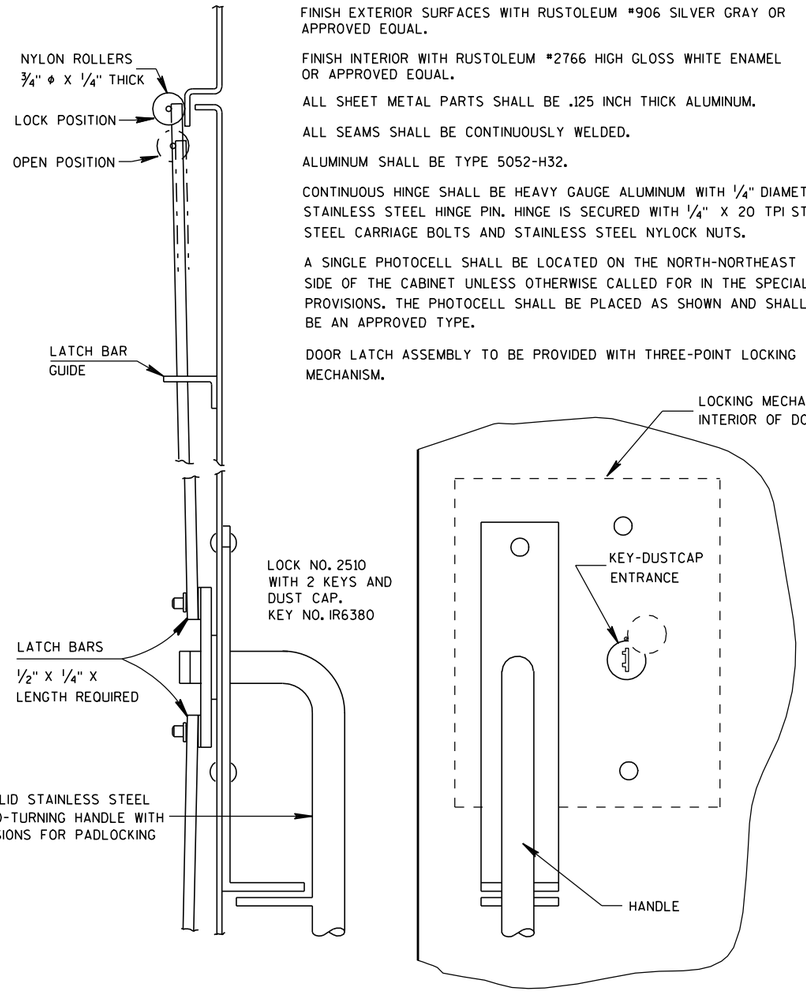
CABINET BRACKET



MOUNTING BASE

TABLE OF DIMENSIONS (INCHES)

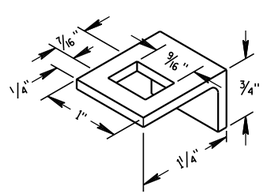
MARK	CABINET TYPE		
	3060	3860	3866
A	30	38	38
B	60	60	66
C	16 1/2	16 1/2	24
D	26 1/2	34 3/4	33 3/4
E	38 3/4	38 3/4	38 3/4
F	26 1/2	34 3/4	33 3/4
G	19	19	25
H	16 1/2	16 1/2	24
H/2	8 1/4	8 1/4	12
J	30	38	38
J/2	15	19	19
K	13 3/4	13 3/4	21 1/4
L	27 1/2	35 1/2	35 1/2



SIDE VIEW

FRONT VIEW

LATCH ASSEMBLY



LATCH BAR GUIDE

GENERAL NOTES

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

PRIME WITH PHOSPHATE TREATMENT AND PRIMER.

FINISH EXTERIOR SURFACES WITH RUSTOLEUM #906 SILVER GRAY OR APPROVED EQUAL.

FINISH INTERIOR WITH RUSTOLEUM #2766 HIGH GLOSS WHITE ENAMEL OR APPROVED EQUAL.

ALL SHEET METAL PARTS SHALL BE .125 INCH THICK ALUMINUM.

ALL SEAMS SHALL BE CONTINUOUSLY WELDED.

ALUMINUM SHALL BE TYPE 5052-H32.

CONTINUOUS HINGE SHALL BE HEAVY GAUGE ALUMINUM WITH 1/4" DIAMETER STAINLESS STEEL HINGE PIN. HINGE IS SECURED WITH 1/4" X 20 TPI STAINLESS STEEL CARRIAGE BOLTS AND STAINLESS STEEL NYLOCK NUTS.

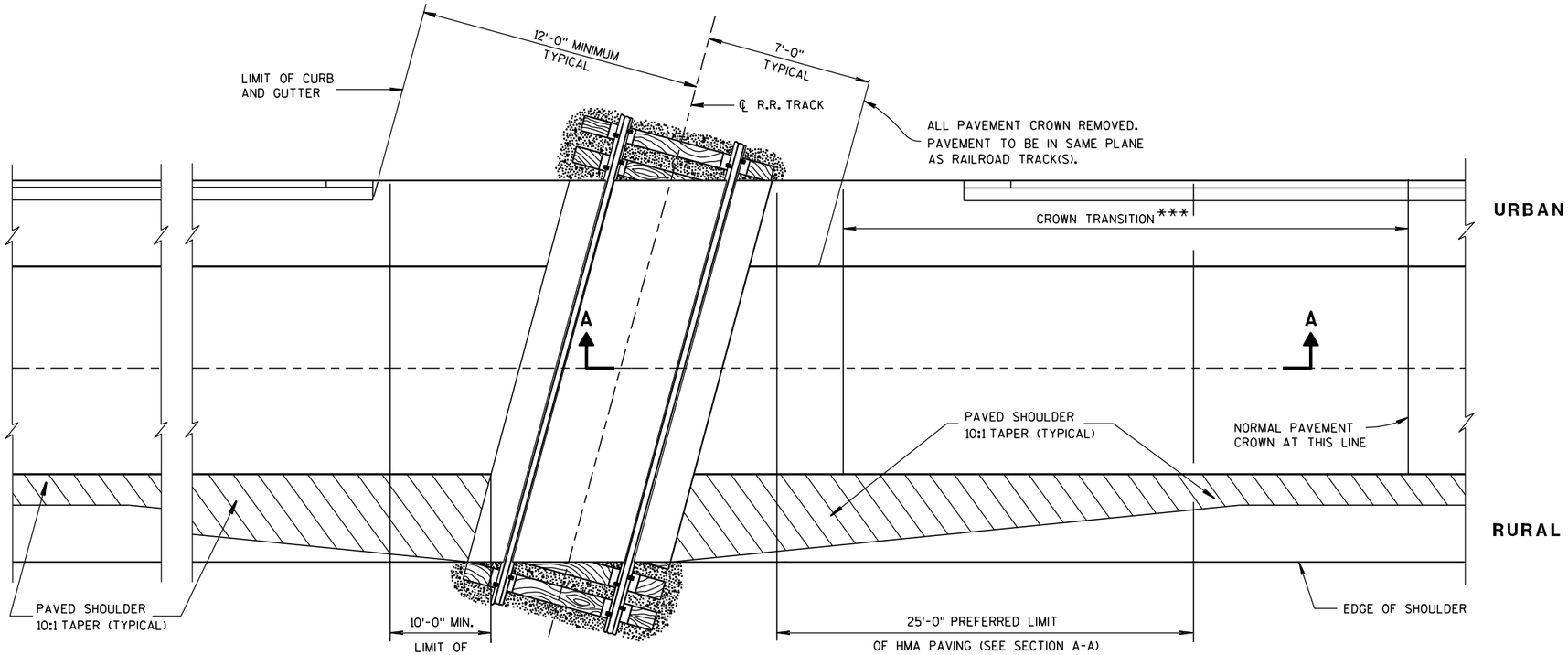
A SINGLE PHOTOCELL SHALL BE LOCATED ON THE NORTH-NORTHEAST SIDE OF THE CABINET UNLESS OTHERWISE CALLED FOR IN THE SPECIAL PROVISIONS. THE PHOTOCELL SHALL BE PLACED AS SHOWN AND SHALL BE AN APPROVED TYPE.

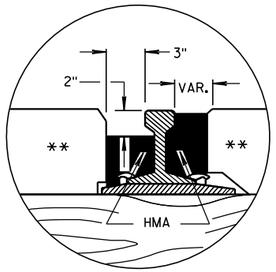
DOOR LATCH ASSEMBLY TO BE PROVIDED WITH THREE-POINT LOCKING MECHANISM.

SIGNAL OR LIGHTING CONTROL CABINET

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
10/21/96 — DATE
/S/ Balu Ananthanarayanan — STATE ELECTRICAL ENGI
200 HWYS
FHWA





DETAIL B

HMA FLANGEWAY AND FIELD FILLERS

GENERAL NOTES

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.

TIMBER, CONCRETE OR RUBBER CROSSING SURFACE MATERIAL, RAILS, TIES, BALLAST, GEOTEXTILE FABRIC AND CROSSING DRAINAGE SYSTEM BY OTHERS UNLESS OTHERWISE PROVIDED.

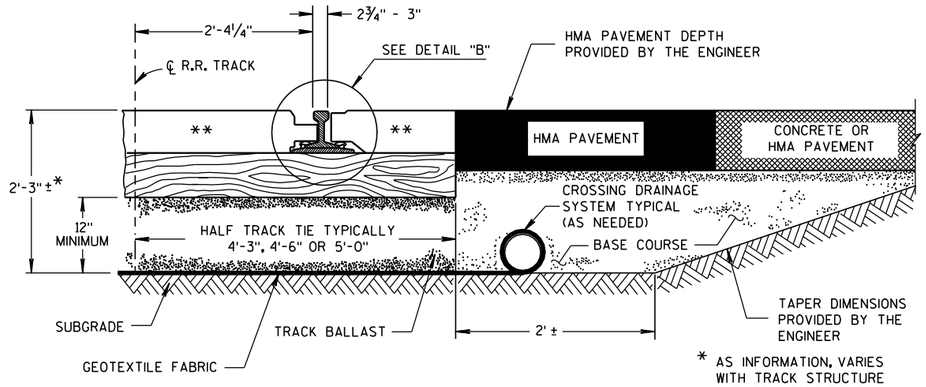
HMA PAVEMENT APPROACHES AND HMA PAVEMET CROSSING SURFACES TO BE PLACED BY CONTRACTOR UNLESS OTHERWISE PROVIDED.

HMA FLANGEWAY AND FIELD FILLERS TO BE PLACED AND THOROUGHLY HAND COMPACTED BY THE CONTRACTOR WHEN NOT PROVIDED BY OTHERS. SEE DETAIL B. HMA FILLERS NOT REQUIRED WHEN RUBBER FILLERS ARE PROVIDED.

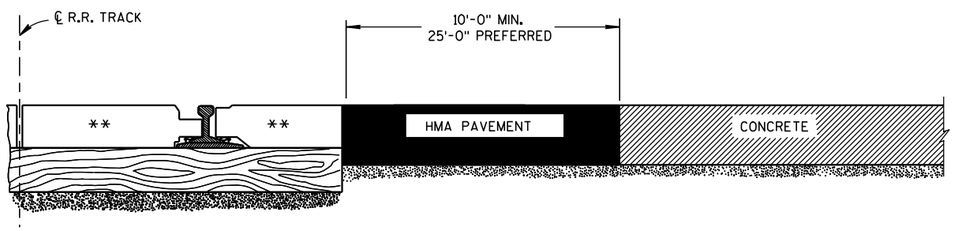
HMA PAVEMENT SHALL BE ROLLED PARALLEL TO THE TRACK.

** CROSSING SURFACE MAY BE TIMBER, RUBBER, CONCRETE, HMA PAVEMENT OR A COMBINATION OF SUCH MATERIALS.

*** CROWN TRANSITION LENGTH SHOWN ELSEWHERE IN THE PLAN.



TYPICAL HALF SECTION



SECTION A-A

CONCRETE PAVEMENT APPROACH



SECTION A-A

HMA PAVEMENT APPROACH

EXAMPLES OF PAVEMENT APPROACHES

PAVEMENT DETAILS FOR RAILROAD APPROACH

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

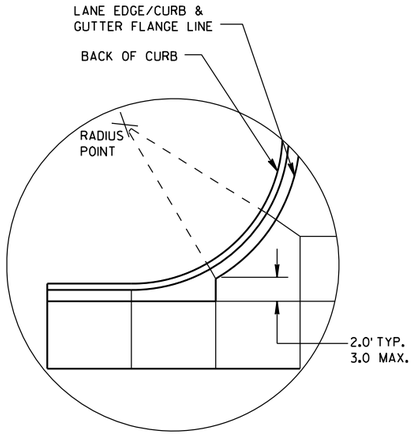
APPROVED
8-28-09 DATE
/S/ Ronald E. Adams
CHIEF, RAILROADS & HAI CTION
FHWA

6

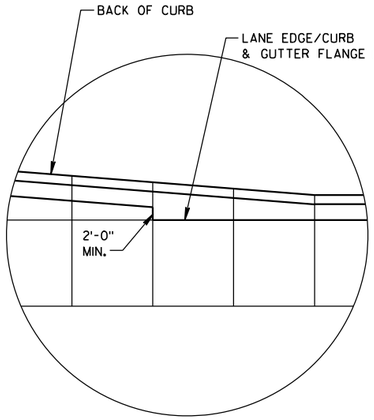
S.D.D. 13 B 1-10

6

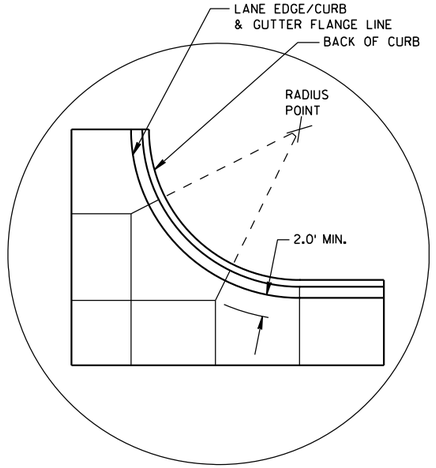
S.D.D. 13 B 1-10



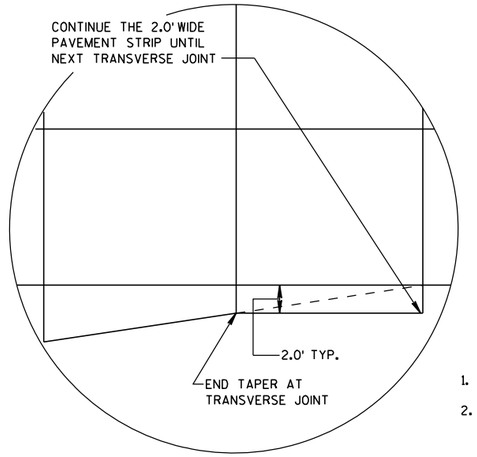
DETAIL "A"



DETAIL "B"



DETAIL "C"



DETAIL "D"

GENERAL NOTES

THE PRIMARY ROADWAY CONTROLS THE TRANSVERSE JOINT PATTERN.

ALIGN NEW JOINTS WITH EXISTING JOINTS OR CRACKS.

CONSTRUCT TRANSVERSE JOINTS PERPENDICULAR TO THE ROADWAY.

ADJUST TRANSVERSE JOINTS TO ALIGN WITH UTILITY FIXTURES (E.G. MANHOLES AND INLETS) IN THE PAVEMENT STRUCTURE WHEN POSSIBLE. WATER VALVES DO NOT REQUIRE JOINT ADJUSTMENT.

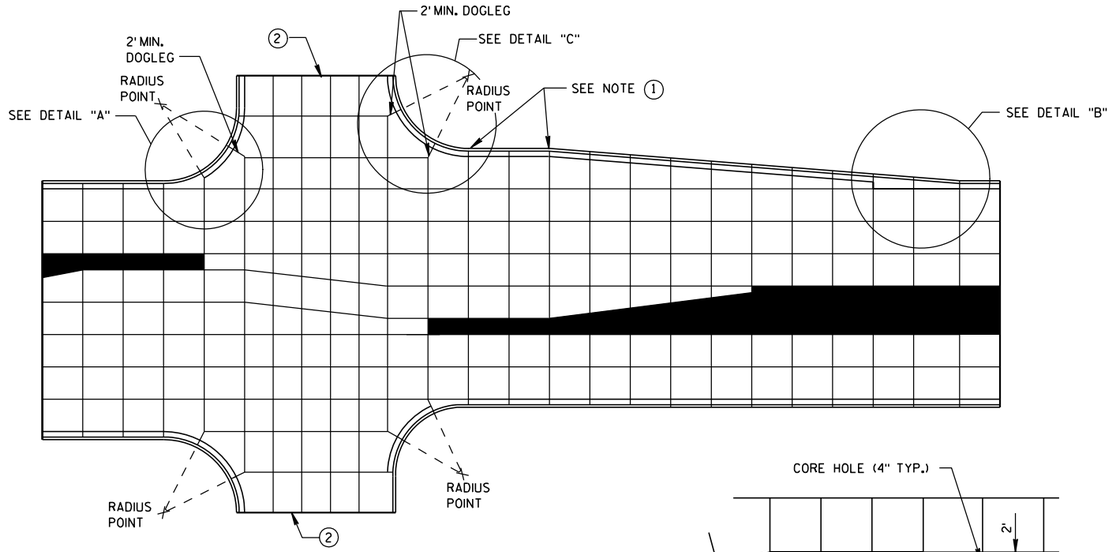
AVOID SLABS LESS THAN 2 FEET WIDE OR GREATER THAN 15 FEET WIDE.

SEE TABLE FOR TRANSVERSE JOINT SPACING. JOINT SPACING SPECIFIED IS MAXIMUM AND ACTUAL SPACING CAN BE ADJUSTED TO ACCOMMODATE INTERSECTIONS.

AVOID ANGLES LESS THAN 60° BY DOGLEGGING JOINTS THROUGH CURVE RADIUS POINTS. USE 90° ANGLES WHEN POSSIBLE.

CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

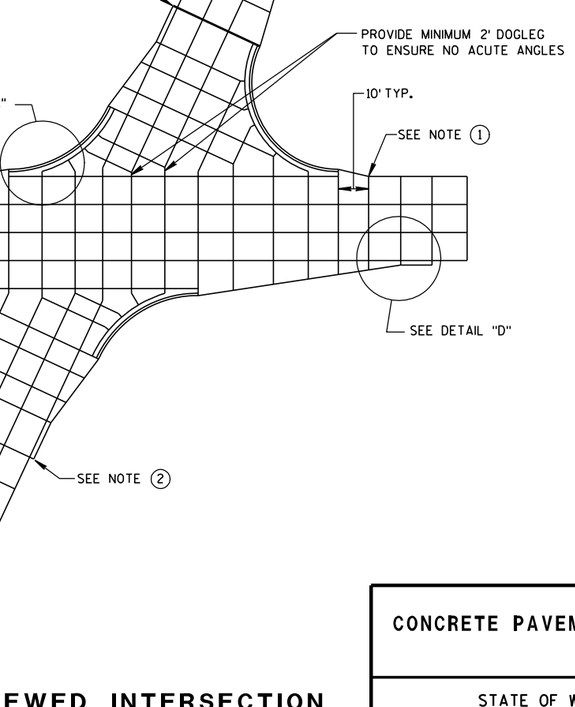
1. PROVIDE TRANSVERSE JOINTS AT ALL PAVEMENT WIDTH CHANGES.
2. CONSTRUCT DOWELED EXPANSION JOINT ON THE SIDE ROAD OF AN INTERSECTION IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH. ALIGN EXPANSION JOINT WITH EDGE OF RADIUS.
3. THE ENGINEER MAY APPROVE SLIGHT VARIATIONS FROM THESE JOINTING DETAILS.



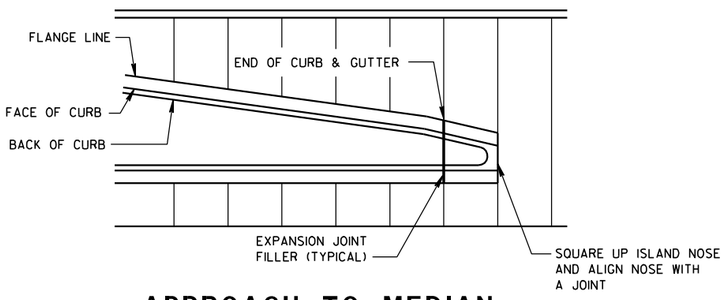
STANDARD INTERSECTION

PAVEMENT DEPTH AND JOINT SPACING TABLE

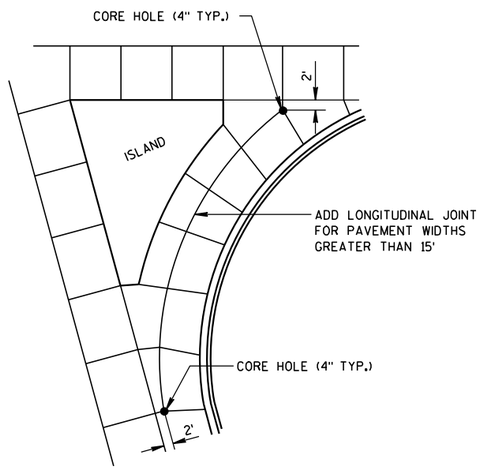
PAVEMENT DEPTH (D)	CONTRACTION JOINT SPACING
6", 6½"	12'
7", 7½"	14'
8" & ABOVE	15'



SKEWED INTERSECTION



APPROACH TO MEDIAN



LARGE RIGHT TURN

CONCRETE PAVEMENT JOINTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

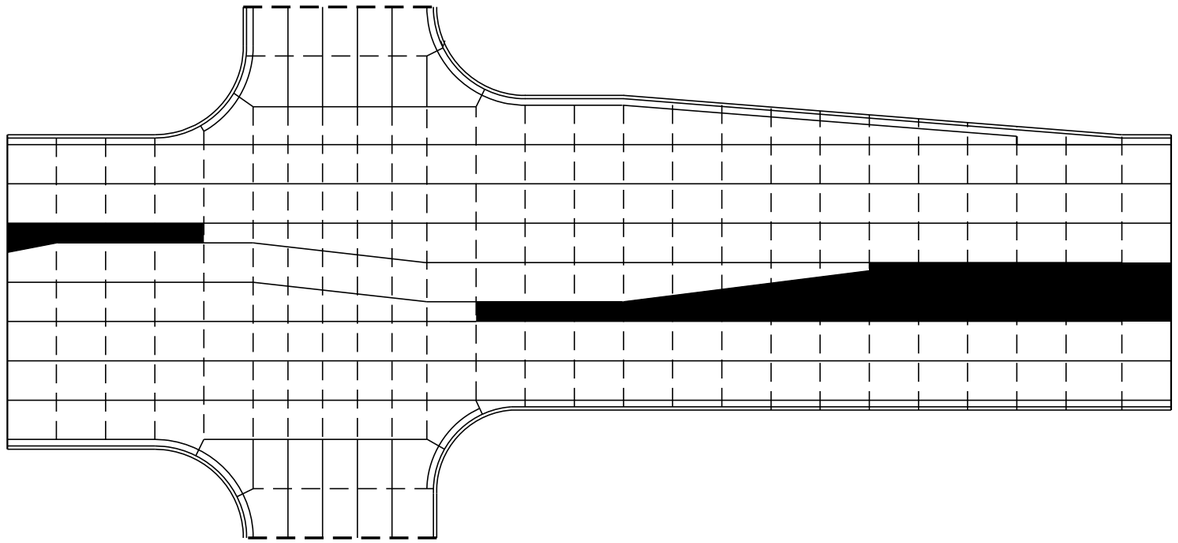
6
S.D.D. 13 C 18-1a

LEGEND

POTENTIAL DOWELED EXPANSION JOINT

DOWELED JOINT

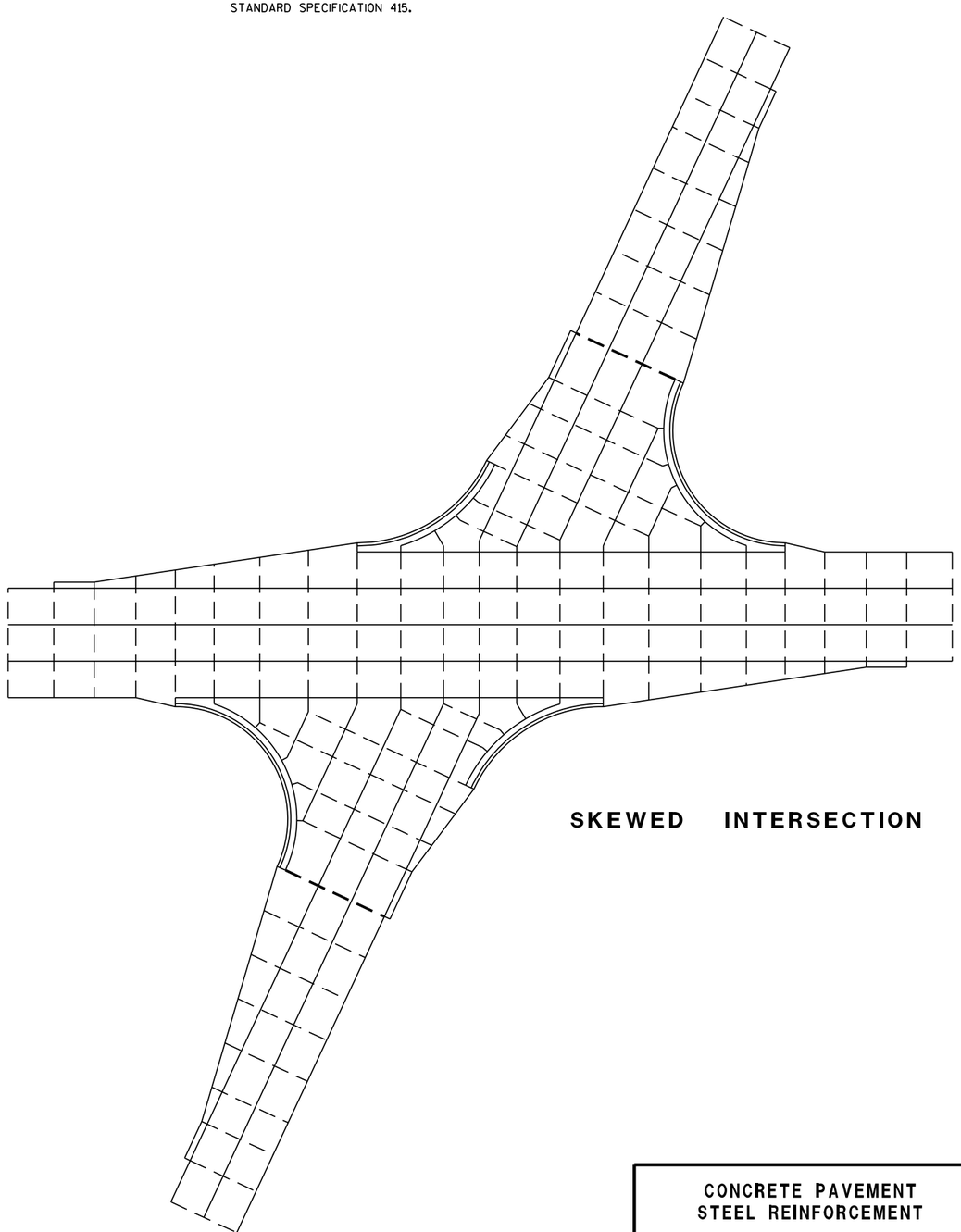
TIED JOINT



STANDARD INTERSECTION

GENERAL NOTES

USE AN EXPANSION JOINT FILLER MEETING THE REQUIREMENTS OF STANDARD SPECIFICATION 415.



SKEWED INTERSECTION

6

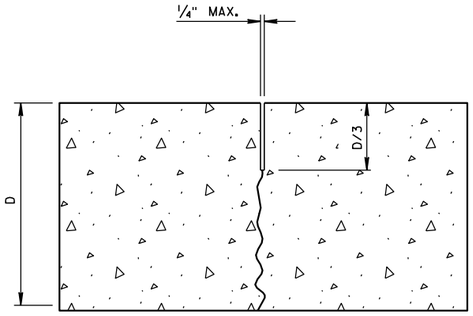
S.D.D. 13 C 18-1b

CONCRETE PAVEMENT
STEEL REINFORCEMENT

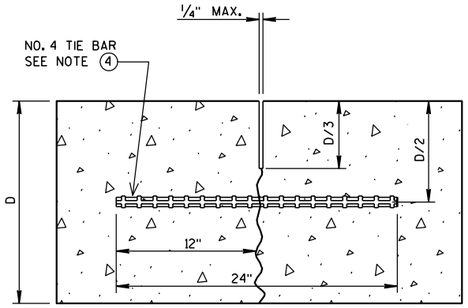
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

S.D.D. 13 C 18-1b



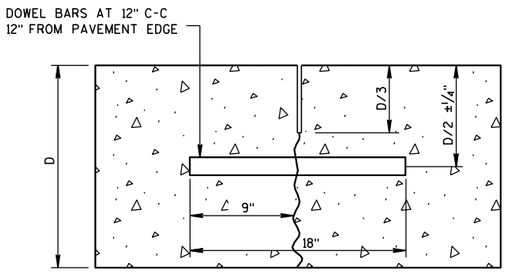
UNDOWELED-TRANSVERSE



TIED LONGITUDINAL

GENERAL NOTES

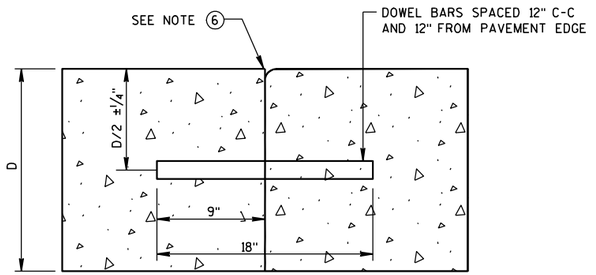
1. USE DOWELED EXPANSION JOINTS ON SIDE ROADS AT INTERSECTIONS (TO ISOLATE THE SIDE ROAD FROM THE THROUGH STREET) IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH.
2. SPACE CONTRACTION JOINTS IN ACCORDANCE WITH 13C4, 13C11 OR 13C13.
3. LOCATE CONSTRUCTION JOINTS A MINIMUM OF 4 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO THE CONTRACTION JOINTS.
4. SPACE TIE BARS AT LONGITUDINAL CONSTRUCTION OR CONTRACTION JOINTS IN ACCORDANCE WITH SDD 13C1.
5. CONSTRUCTION JOINTS CAN BE FORMED OR SAWED.
6. IF JOINT IS FORMED, PROVIDE A 1/4-INCH RADIUS.



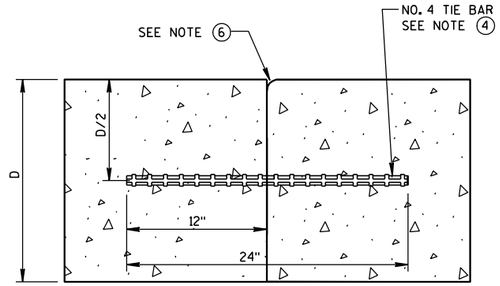
DOWELED-TRANSVERSE

CONTRACTION JOINTS

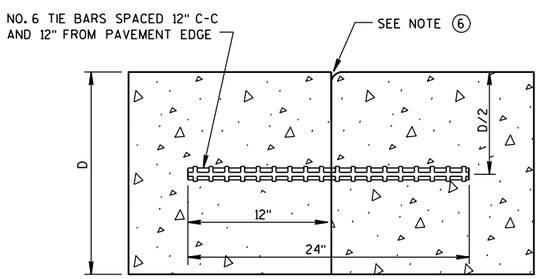
SEE NOTE (2)



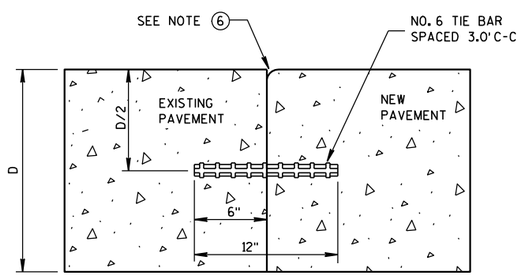
DOWELED TRANSVERSE



TIED LONGITUDINAL



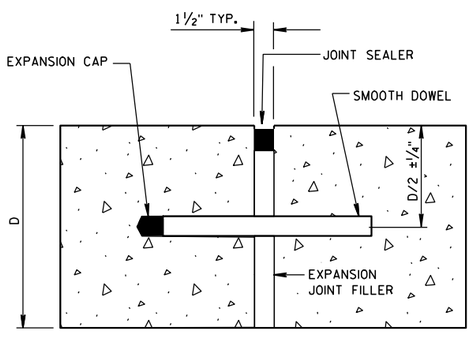
TIED TRANSVERSE
SEE NOTE (3)



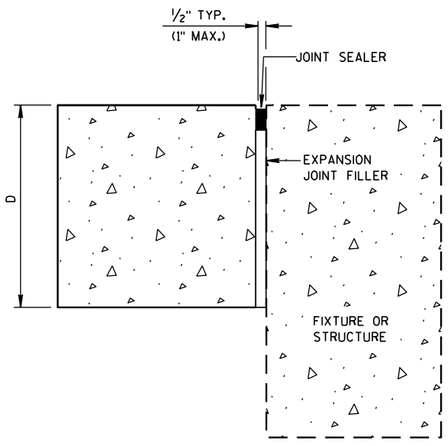
TIED LONGITUDINAL TO EXISTING

CONSTRUCTION JOINTS

SEE NOTE (5)



DOWELED-TRANSVERSE
SEE NOTE (1)



UNTIED-LONGITUDINAL

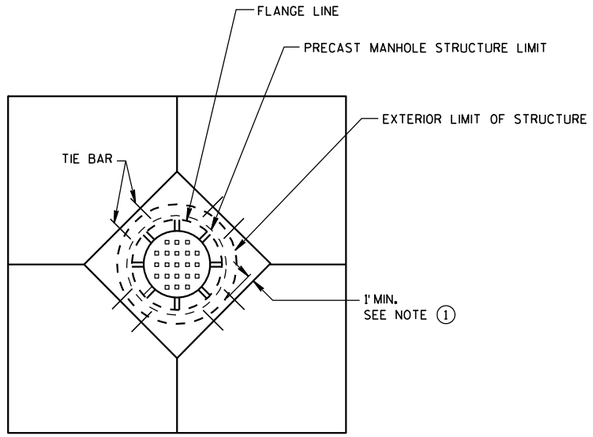
EXPANSION JOINTS

CONCRETE PAVEMENT
JOINT TYPES

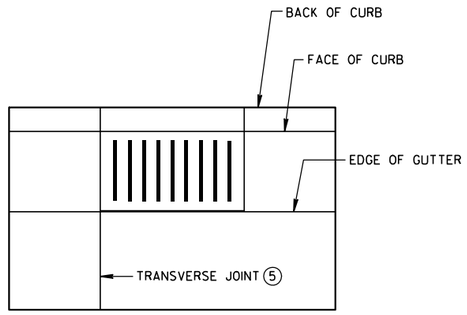
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

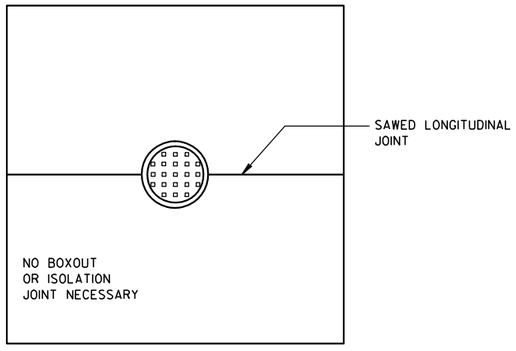
S.D.D. 13 C 18-1c



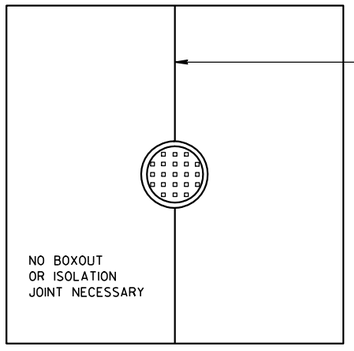
DIAGONAL MANHOLE BOXOUT FOR CONSTRUCTION JOINTS



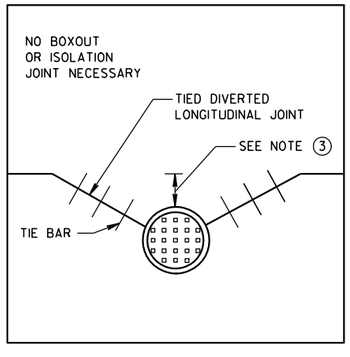
INLET WITH TRANSVERSE JOINT



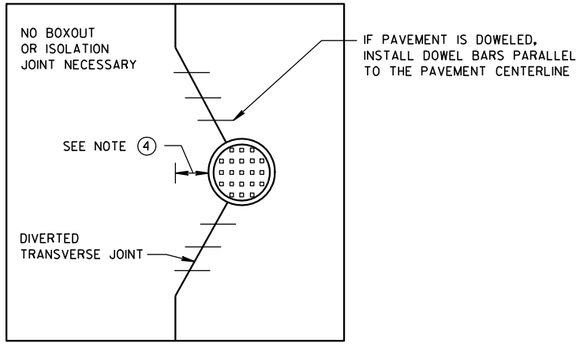
MANHOLE WITH LONGITUDINAL JOINT



MANHOLE WITH TRANSVERSE JOINT



MANHOLE WITH DIVERTED LONGITUDINAL CONTRACTION JOINT



MANHOLE WITH DIVERTED TRANSVERSE CONTRACTION JOINT

GENERAL NOTES

1. USE BOXOUTS WHEN UTILITY STRUCTURE IS IN THE PATH OF CONSTRUCTION JOINTS. PROVIDE A 1 FOOT MINIMUM CLEARANCE BETWEEN THE EXTERIOR LIMIT OF THE STRUCTURE TO THE DIAMOND BOXOUT.
2. ADJUST TRANSVERSE JOINT TO INTERSECT MANHOLE IF POSSIBLE.
3. IF DISTANCE BETWEEN THE LONGITUDINAL JOINT AND THE EDGE OF MANHOLE IS GREATER THAN 2 FEET, DO NOT DIVERT JOINT AND SAW LONGITUDINAL JOINT AS NORMAL. IF DISTANCE IS 2 FEET OR LESS, DIVERT LONGITUDINAL JOINT AT A 2:1 TAPER RATE TO THE CENTER OF THE MANHOLE.
4. IF DISTANCE FROM THE EDGE OF MANHOLE TO THE NEAREST TRANSVERSE JOINT IS GREATER THAN 4 FEET, REDIRECT JOINT TO INTERSECT MANHOLE. IF DISTANCE IS 4 FEET OR LESS, PLACE REBAR REINFORCEMENT AROUND MANHOLE.
5. ALIGN TRANSVERSE JOINT WITH ONE EDGE OF INLET WHEN PRACTICAL.

CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES

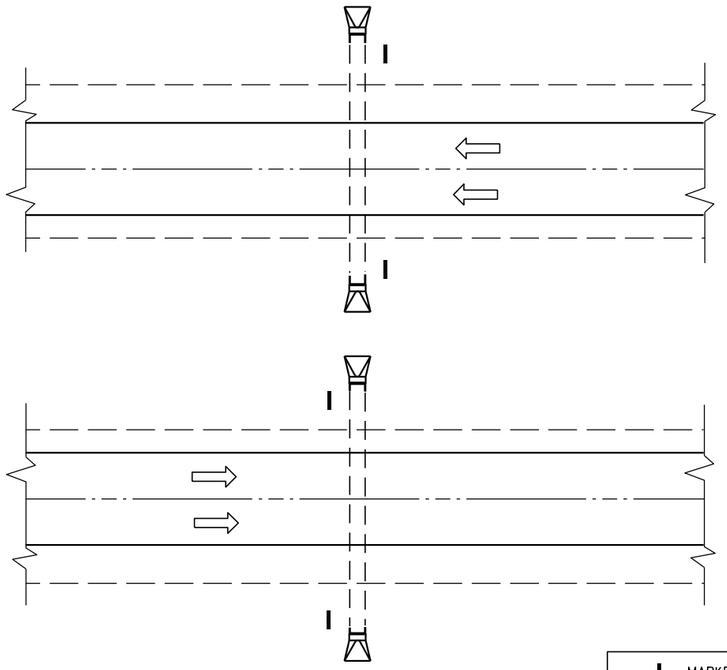
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
10-5-2010 — DATE
/S/ Deb Bischoff — PAVEMENT POLICY & D205 ENGINEER
FHWA

6
S.D.D. 13 C 18-1d

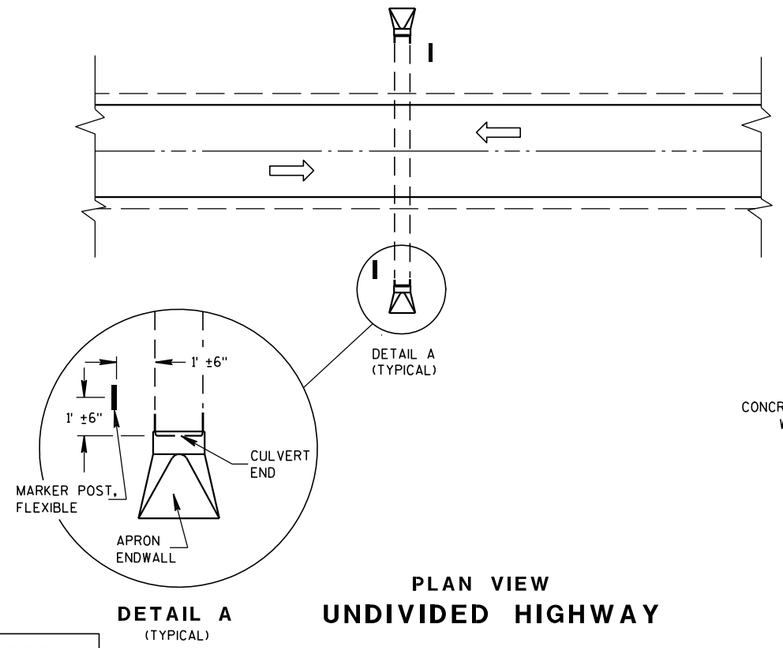
GENERAL NOTES

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.



PLAN VIEW

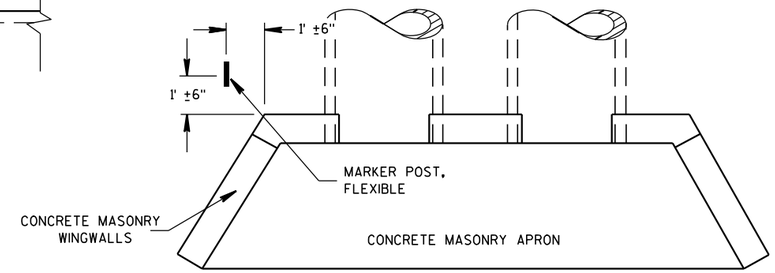
DIVIDED HIGHWAY



DETAIL A
(TYPICAL)

PLAN VIEW

UNDIVIDED HIGHWAY



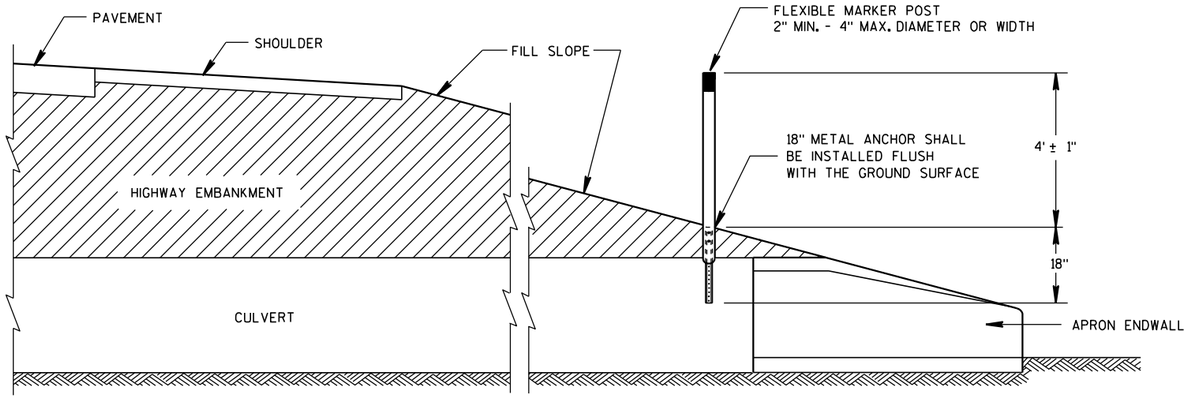
PLAN VIEW

CONCRETE MASONRY ENDWALLS FOR CULVERT PIPE AND PIPE ARCH

MARKER POST, FLEXIBLE

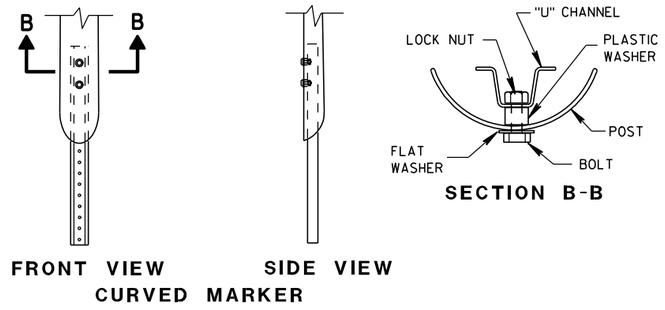
DIRECTION OF TRAFFIC FLOW

FLEXIBLE MARKER POST LOCATION

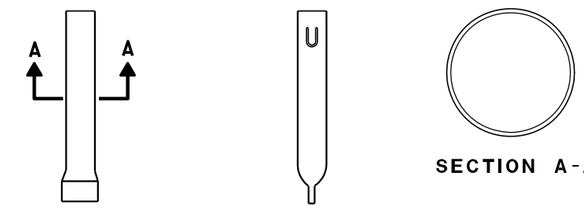


CROSS SECTION

FLEXIBLE MARKER POST

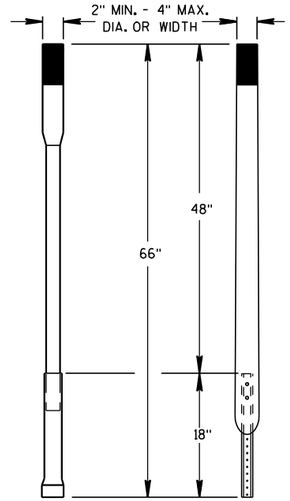


FRONT VIEW SIDE VIEW
CURVED MARKER



FRONT VIEW SIDE VIEW
ROUND MARKER

FLEXIBLE MARKER POST ANCHORS



ALTERNATE 1 ALTERNATE 2

FLEXIBLE MARKER POST

MARKER POST, FLEXIBLE, FOR CULVERT END

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

10/1/98 — DATE

/S/ Rory L. Rhinesmith — CHEIF ROADWAY DEVELOPMENT ENGINEER

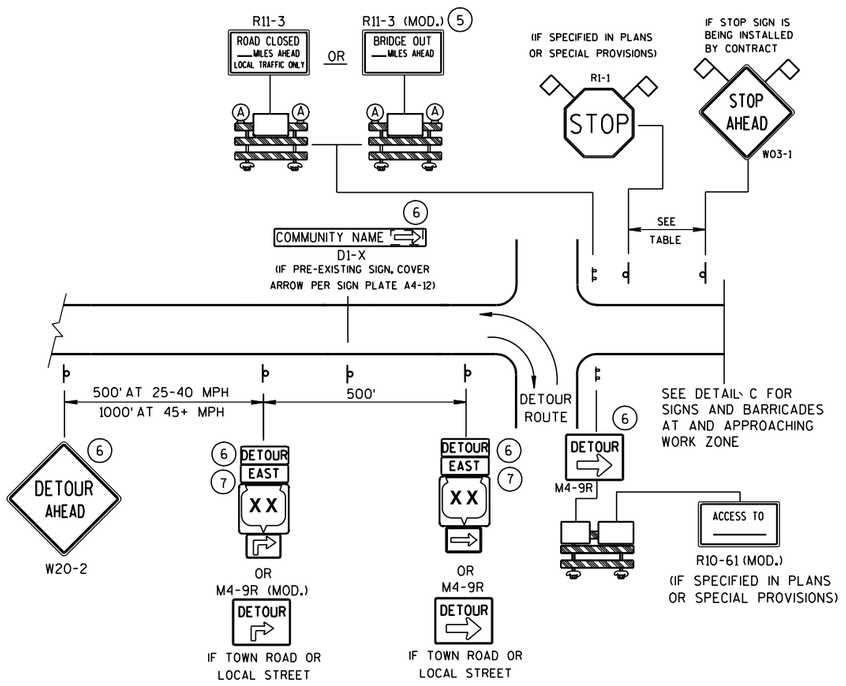
FHWA

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S.D.D. 15 A 3-1

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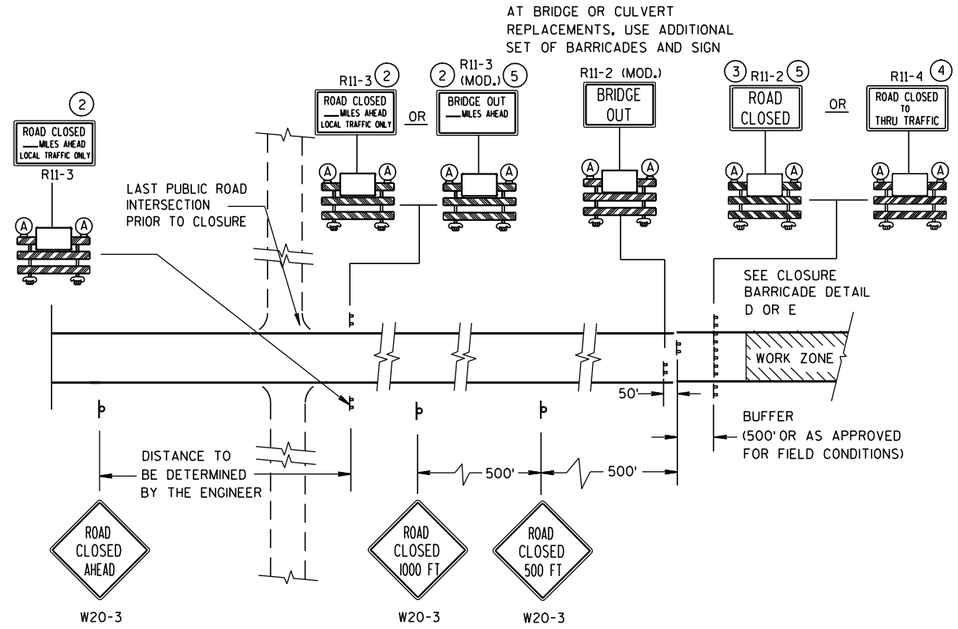
S.D.D. 15 A 3-1



DETAIL A

MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE GREATER THAN ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)

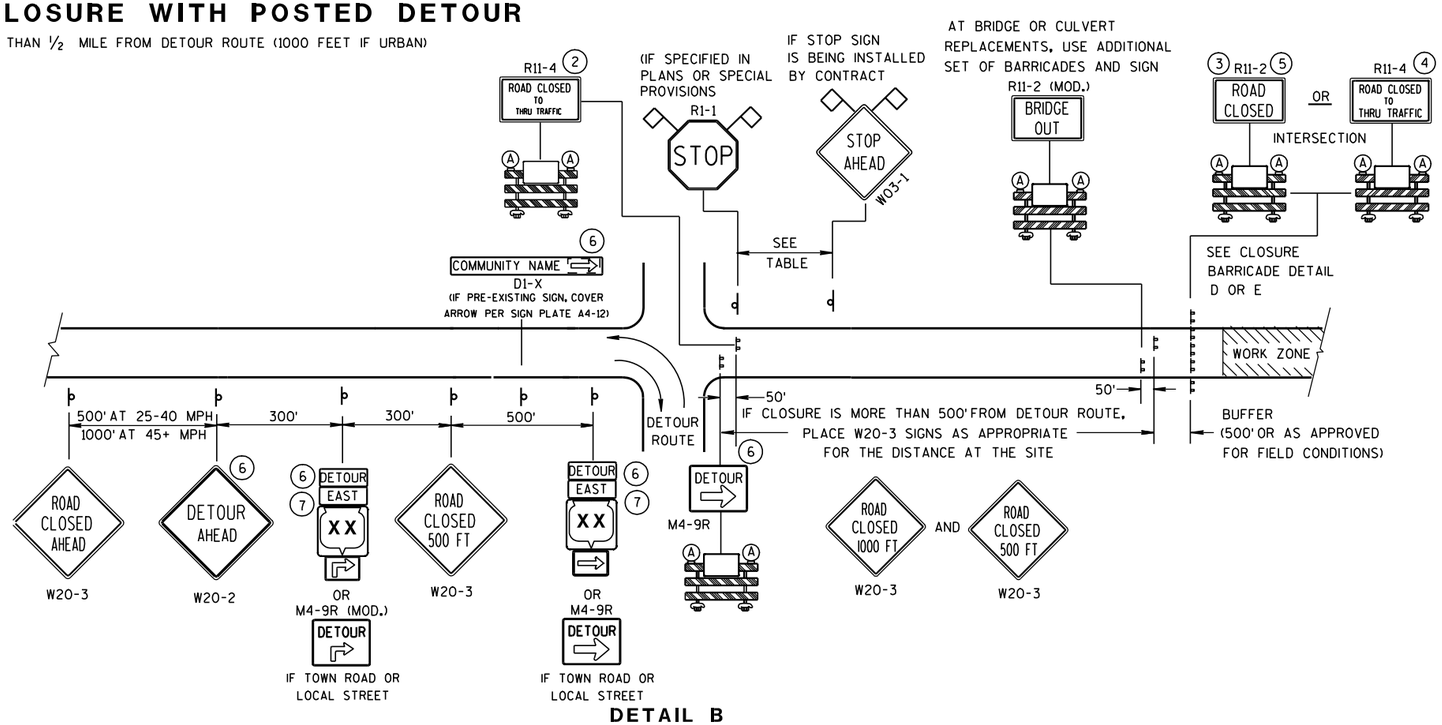


SPEED LIMIT (MPH)	"STOP AHEAD" ADVANCE WARNING DISTANCE (FT)
25	200
30	200
35	350
40	350
45	500
50	550
55	750

DETAIL C

MAINLINE CLOSURE, NO POSTED DETOUR

SEE SDD 15C2-4b FOR GENERAL NOTES AND FOOTNOTES (1) THROUGH (7)



DETAIL B

MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE LESS THAN ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)

LEGEND

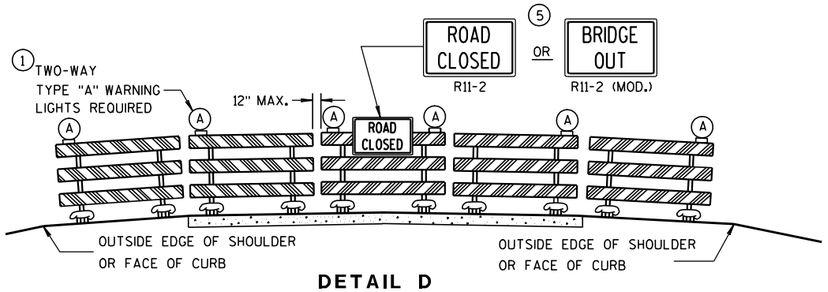
- POST MOUNTED SIGN
- TYPE III BARRICADES
- (A) TYPE "A" LOW INTENSITY FLASHING WARNING LIGHT (FOR NIGHT USE)
- WORK ZONE
- DETOUR / EAST — M4-8 / M3-X
- XX — M1-4; COUNTY XX — M1-5A; XX — M1-6
- M05-1; M06-1
- FLAGS, 16" X 16" MIN., (ORANGE)

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

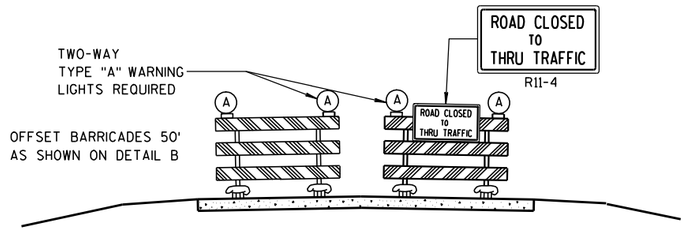
S.D.D. 15 C 2-4a



DETAIL D

ROAD CLOSURE BARRICADE DETAIL

APPROACH VIEW



DETAIL E

LANE CLOSURE BARRICADE DETAIL

APPROACH VIEW

SEE SDD 15C2-4a FOR LEGEND

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION OR, FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL D FOR FULL ROAD CLOSURES.

TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11-2, R11-3, M4-9, R11-4 AND R10-61 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

THE REFLECTIVE SHEETING USED ON R11-2, R11-3, R11-4, R10-61 AND R1-1 SIGNS SHALL COMPLY WITH SUBSECTION 637.2.2.2 OF THE STANDARD SPECIFICATIONS.

"WO AND "MO" SIGNS ARE THE SAME AS "W" AND "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
- R11-2 SHALL BE 48" X 30".
- R11-3, R11-4 AND R10-61 SHALL BE 60" X 30".
- M4-9 SHALL BE 30" X 24".
- M3-X AND M4-8 SHALL BE 24" X 12". (30" X 15" IF NEEDED TO MATCH EXISTING SIGNS.)
- M1-4, M1-5A, AND M1-6 SHALL BE 24" X 24". (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS.)
- M05-1 AND M06-1 SHALL BE 21" X 21". (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS.)
- D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.
- R1-1 SHALL BE 36" X 36".

(1) TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8-FOOT LIGHT SPACING).

(2) THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT INTERSECTION.

(3) FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL D.

(4) FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE LANE CLOSURE BARRICADE DETAIL E.

(5) FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11-2 AND R11-3 SIGNS.

(6) INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS, PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE SIGNS AS SHOWN.

(7) "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

9/16/03
DATE

/S/ Thomas N. N[illegible]
CHIEF SIGNS AND MARKINGS ENGINEER

FHWA

6

S.D.D. 15 C 2-4b

THIS DRAWING PROVIDES GENERAL GUIDANCE ON TYPICAL DETOUR SIGN LAYOUT AND SPACING. SEE PROJECT DETOUR SIGNING SHEETS FOR SPECIFIC DETAILS FOR EACH PROJECT.

GENERAL NOTES

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. MODIFY EXISTING SIGNS WHERE POSSIBLE.

THE SPACING BETWEEN TRAFFIC CONTROL AND DETOUR SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE", SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

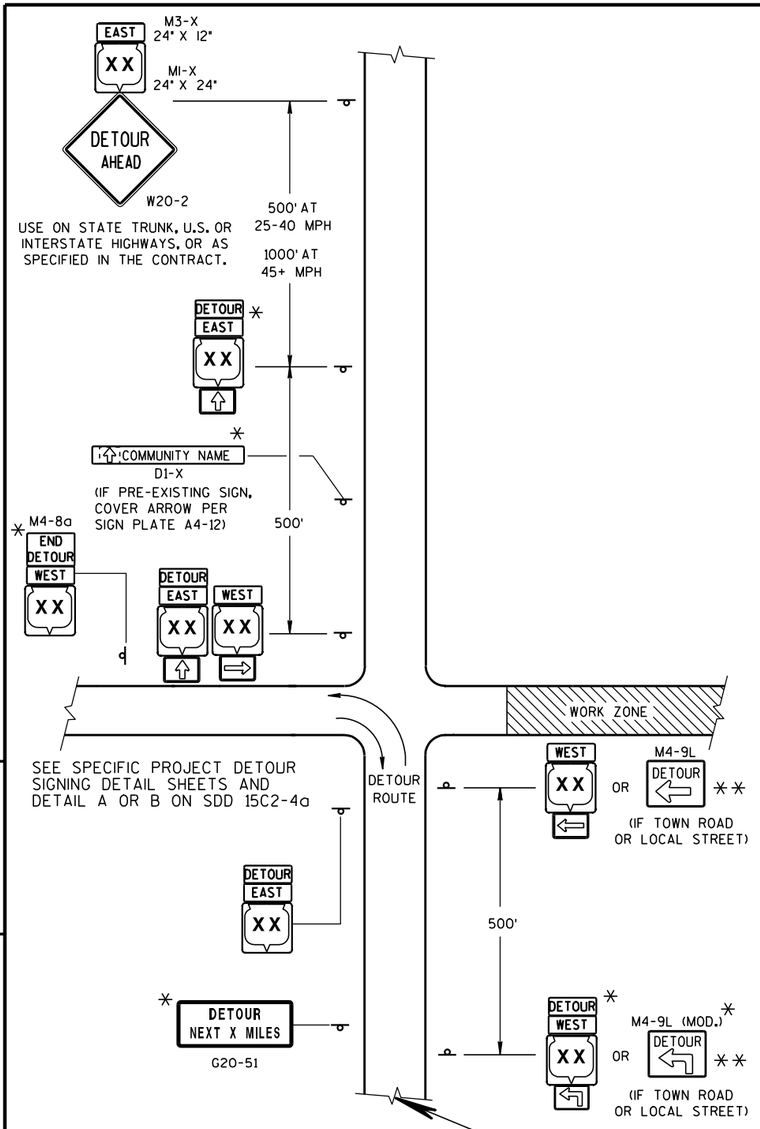
"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

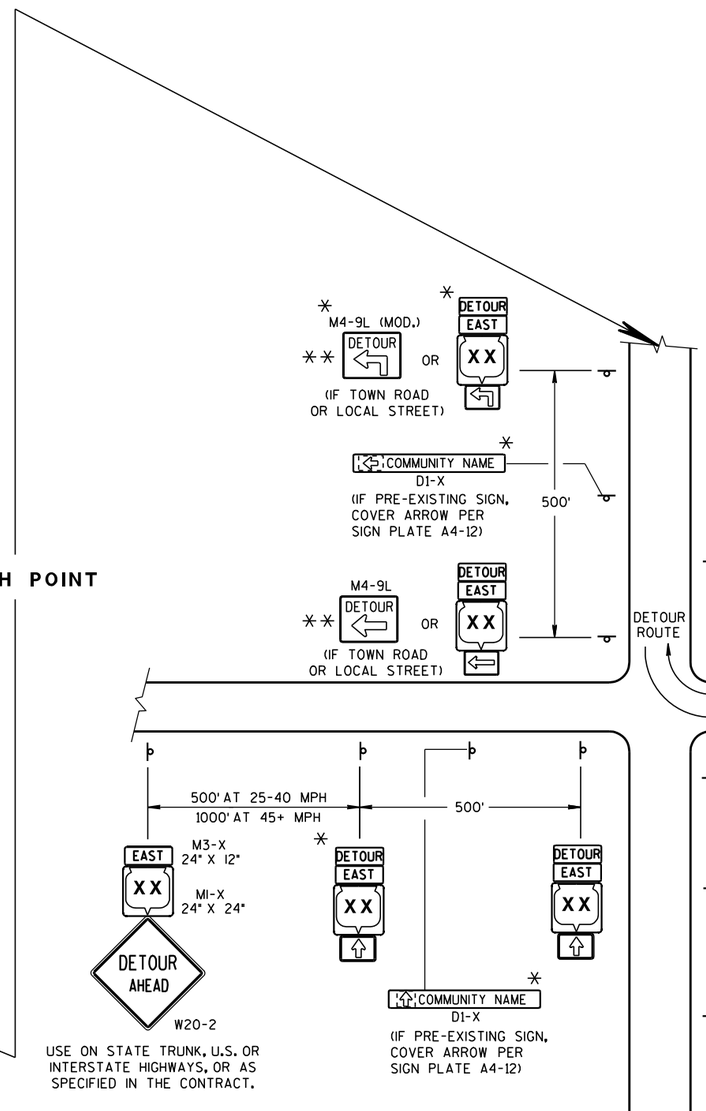
SIGN SIZES SHALL BE AS FOLLOWS:

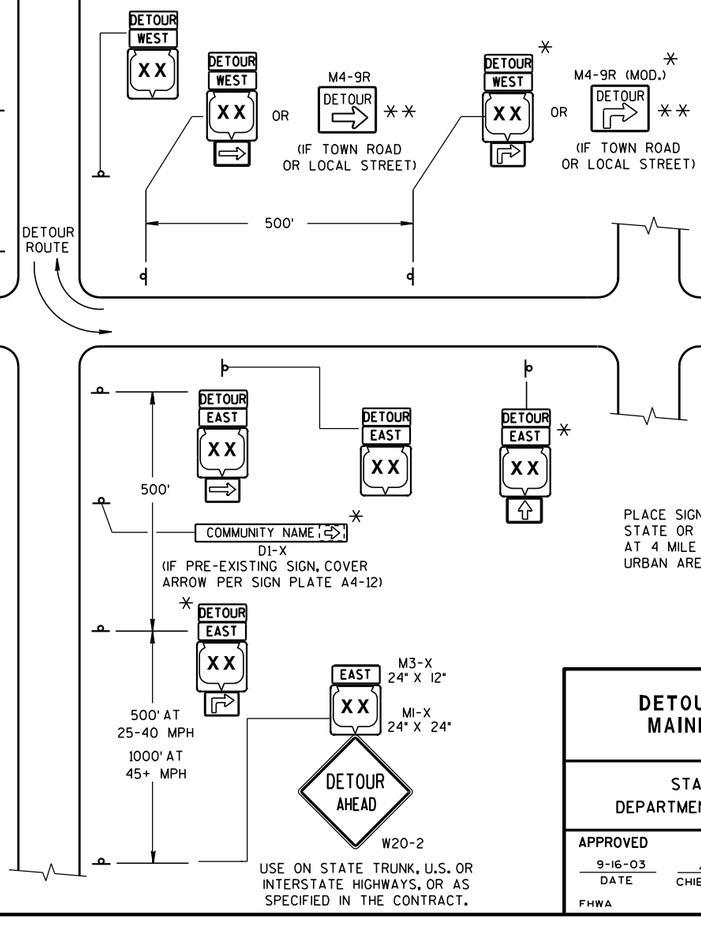
M3-X AND M4-8 SHALL BE 24" X 12". (30" X 15" IF NEEDED TO MATCH EXISTING SIGNS.)
M1-4, M1-5A, AND M1-6 SHALL BE 24" X 24". (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS.)
M05-1 AND M06-1 SHALL BE 21" X 21". (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS.)
M4-9 SHALL BE 30" X 24".
M4-8a SHALL BE 24" X 18".
G20-51 SHALL BE 60" X 24".
W20-2 SHALL BE 48" X 48".
D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.

* OPTIONAL SIGNS. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS.

** FOR A TOWN ROAD OR LOCAL STREET DETOURED ONTO A STATE TRUNK HIGHWAY, PLACE A ROAD NAME PLAQUE ABOVE THE M4-9 SIGN AS SPECIFIED IN THE CONTRACT.







LEGEND

- POST MOUNTED SIGN
- WORK ZONE
- DETOUR EAST — M4-8 / M3-X
- XX OR COUNTY XX OR XX — M1-4 / M1-5A / M1-6
- MO5-1 OR MO6-1 OR MO6-1

DETAIL F

DETOUR SIGNING

DETOUR SIGNING FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

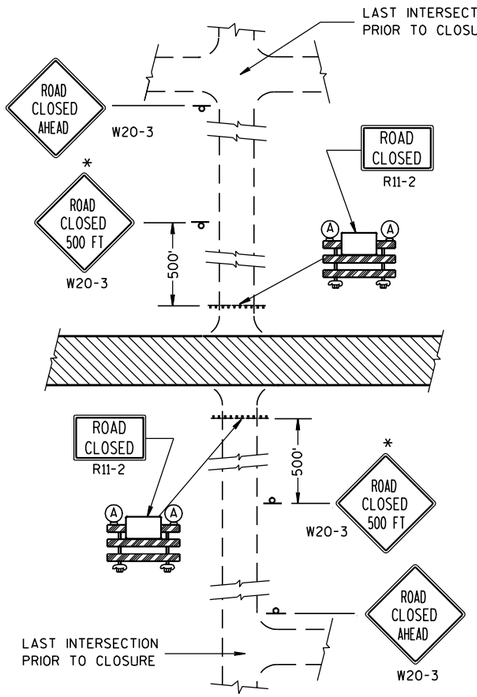
APPROVED
9-16-03 DATE
/S/ Thomas N. [illegible] CHIEF SIGNS AND MAR 209 INEER
FHWA

6

S.D.D. 15 C 2-4c

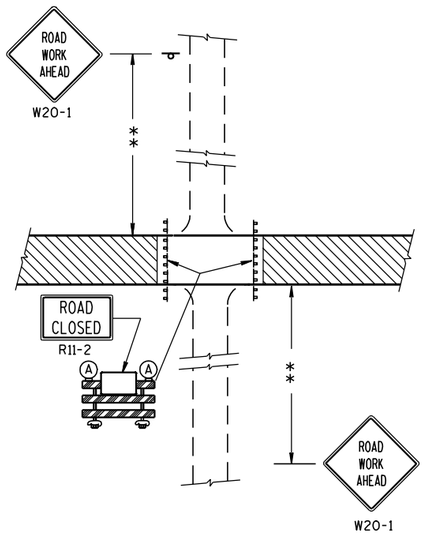
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S.D.D. 15 C 2-4c



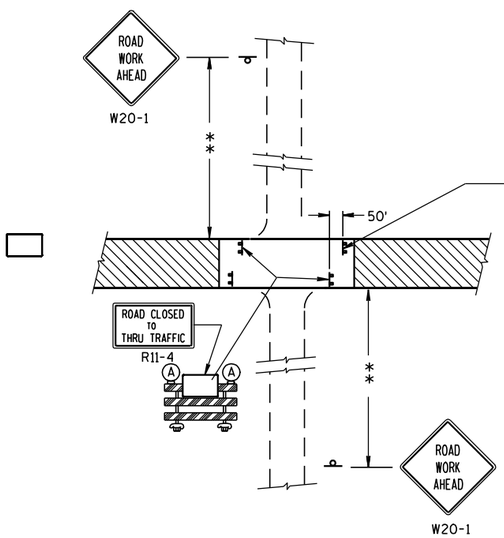
DETAIL 1

(NO ACCESS TO PROJECT)



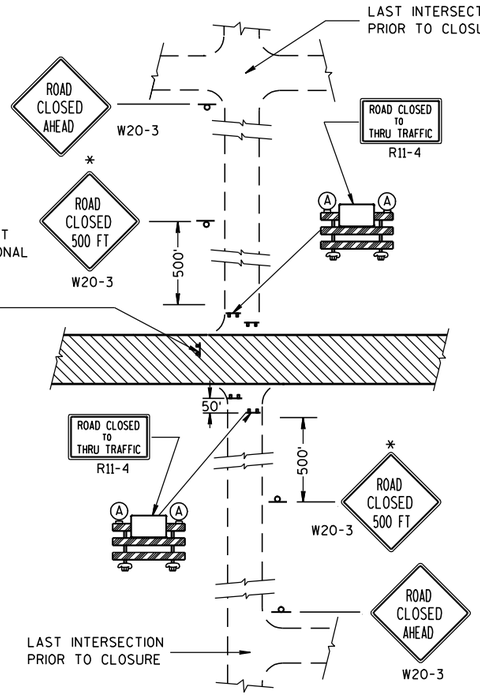
DETAIL 2

(PUBLIC CROSS-TRAFFIC MAINTAINED. NO ACCESS TO PROJECT).



DETAIL 3

(PUBLIC CROSS-TRAFFIC MAINTAINED. CONTRACTOR, LOCAL BUSINESS AND RESIDENT ACCESS).



DETAIL 4

(CONTRACTOR, LOCAL BUSINESS AND RESIDENT ACCESS TO PROJECT)

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

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THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS RE-ESTABLISHED.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION OR, FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

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TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11-2, R11-3 AND R11-4 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

THE REFLECTIVE SHEETING USED ON R11-2, R11-3 AND R11-4 SIGNS SHALL COMPLY WITH SUBSECTION 637.2.2.2 OF THE STANDARD SPECIFICATIONS.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
R11-2 SHALL BE 48" X 30".
R11-4 AND R11-3 SHALL BE 60" X 30".

*OMIT THE "ROAD CLOSED 500 FT." SIGN IF THE LAST INTERSECTION IS 500 FT. OR LESS FROM THE WORK ZONE.

**500' MAX. OR AT LAST INTERSECTION WHICHEVER IS CLOSER.

LEGEND

- POST MOUNTED WARNING SIGN
- TYPE III BARRICADES
- (A) TYPE "A" LOW INTENSITY FLASHING WARNING LIGHT (FOR NIGHT USE)
- WORK AREA

BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

9-16-03
DATE

/S/ Thomas N. N[illegible]
CHIEF SIGNS AND MAR 210 INEER

FHWA

6

S.D.D. 15 C 3-1

6

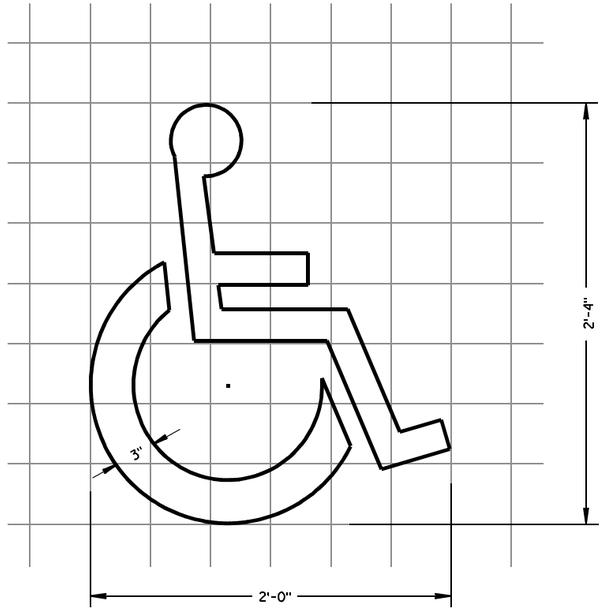
S.D.D. 15 C 3-1

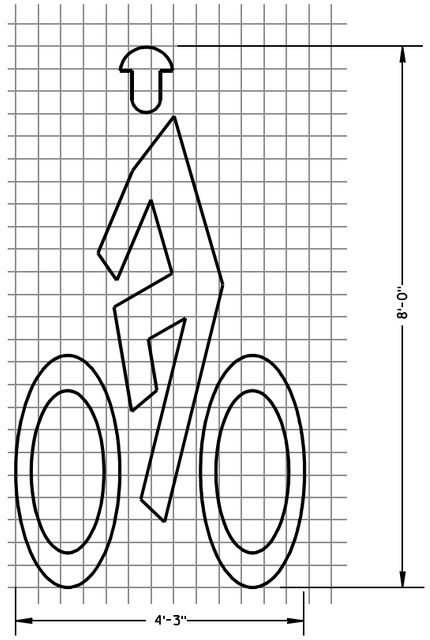
GENERAL NOTES

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

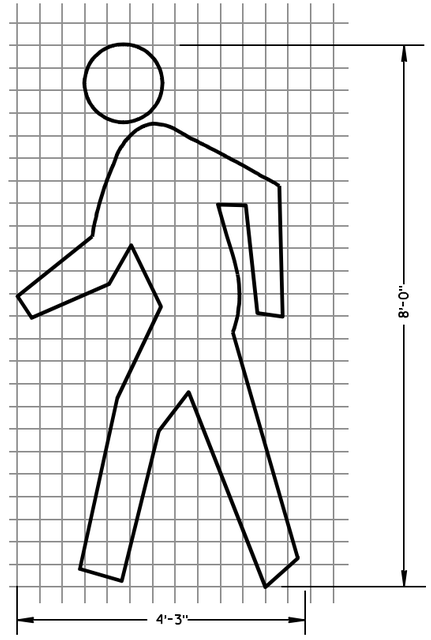
ALL LETTERS, ARROWS AND SYMBOLS SHALL BE IN CONFORMANCE WITH REQUIREMENTS INCLUDED IN "STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKING" BOOK BY THE FEDERAL HIGHWAY ADMINISTRATION. ALL LETTERS, ARROWS AND SYMBOLS SHALL BE WHITE AND REFLECTORIZED. SMALL DIFFERENCES IN DIMENSIONS WITHIN THE TOLERANCES OF THAT BOOK ARE ACCEPTABLE.

A DETAILED DRAWING OF THE HANDICAPPED PARKING SYMBOL IS ILLUSTRATED IN THE "STANDARD HIGHWAY SIGNS MANUAL" BY THE FEDERAL HIGHWAY ADMINISTRATION.

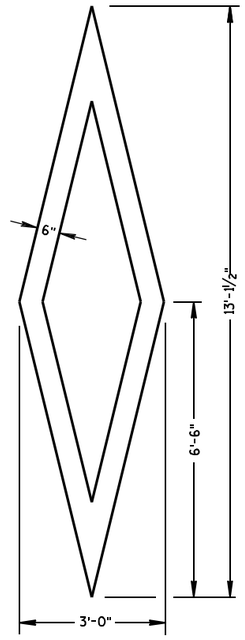




BIKE CROSSING SYMBOL



PEDESTRIAN SYMBOL



PREFERENTIAL LANE SYMBOL

6

6

S.D.D. 15 C 7-12a

S.D.D. 15 C 7-12a

PAVEMENT MARKING SYMBOLS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7/1/11 DATE

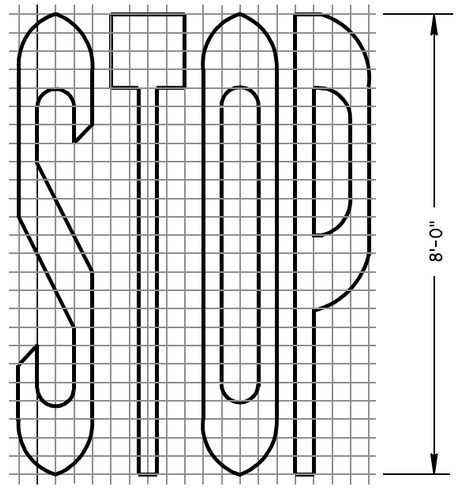
/S/ Thomas N Nathan
STATE TRAFFIC ENGINEER

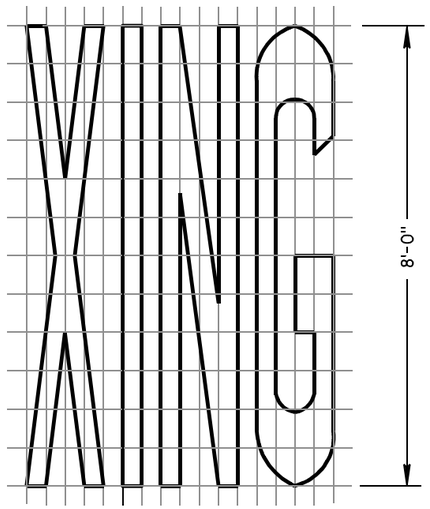
FHWA

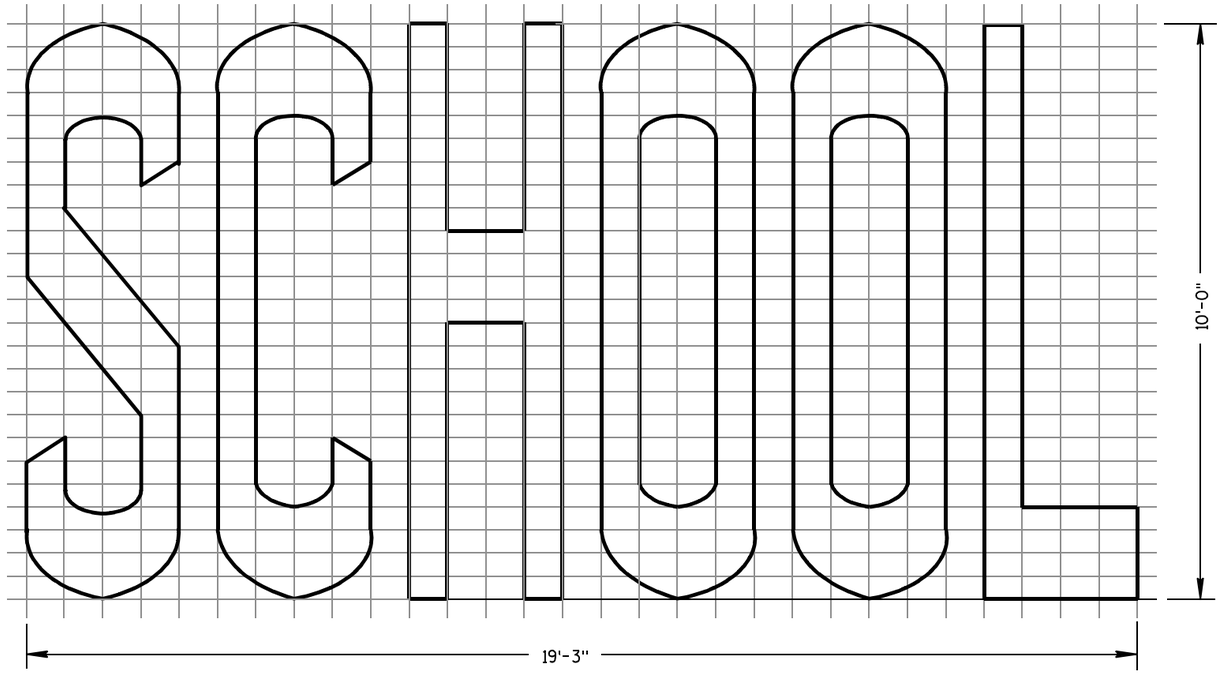
GENERAL NOTES

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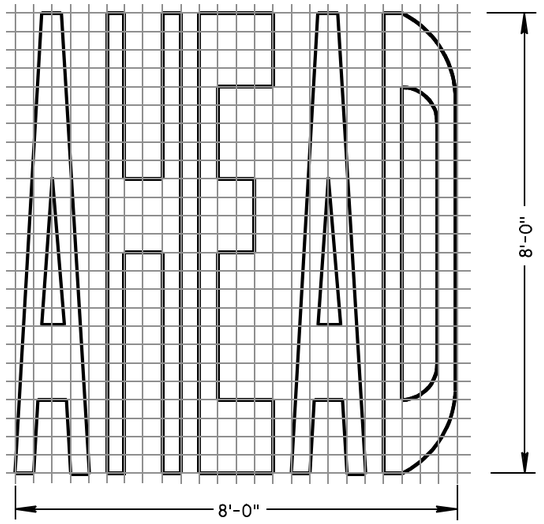
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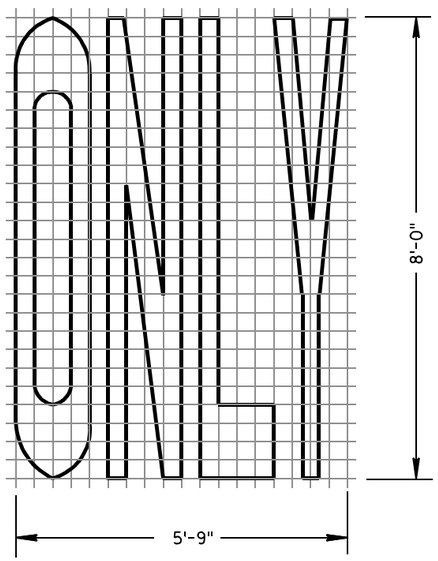


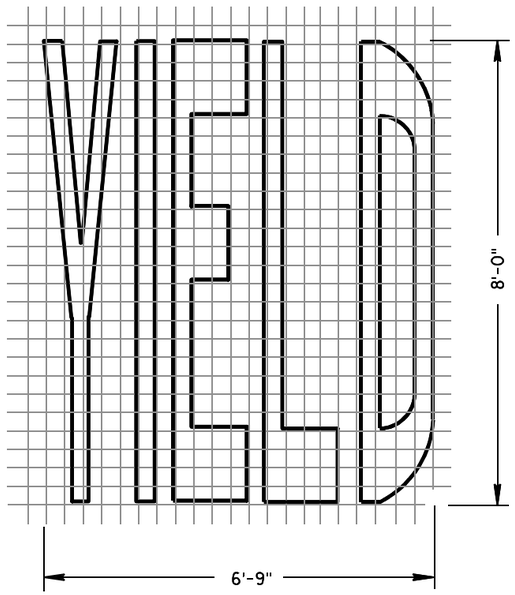


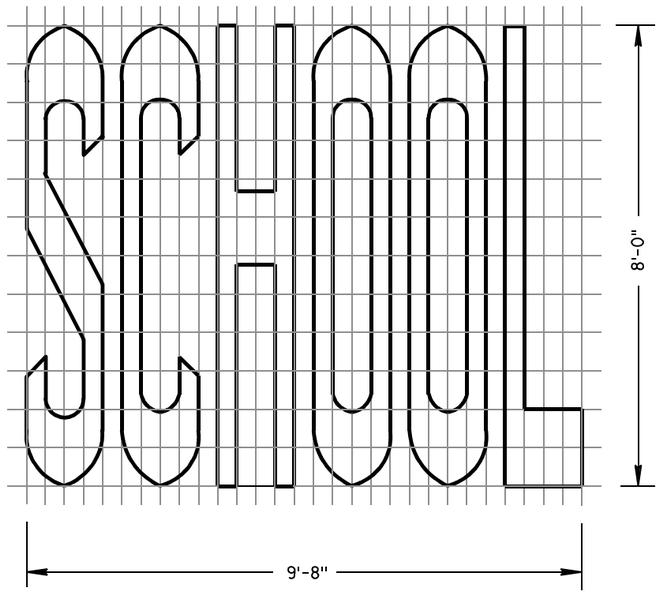


TWO-LANE









SINGLE-LANE

PAVEMENT MARKING WORDS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7-1-11 DATE — /S/ Thomas N. Nothohm STATE TRAFFIC ENGINEER — IGN

FHWA

6

S.D.D. 15 C 7-12b

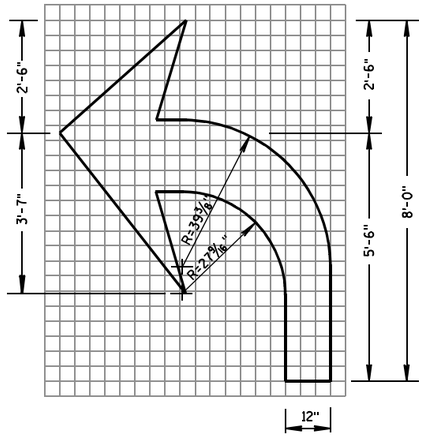
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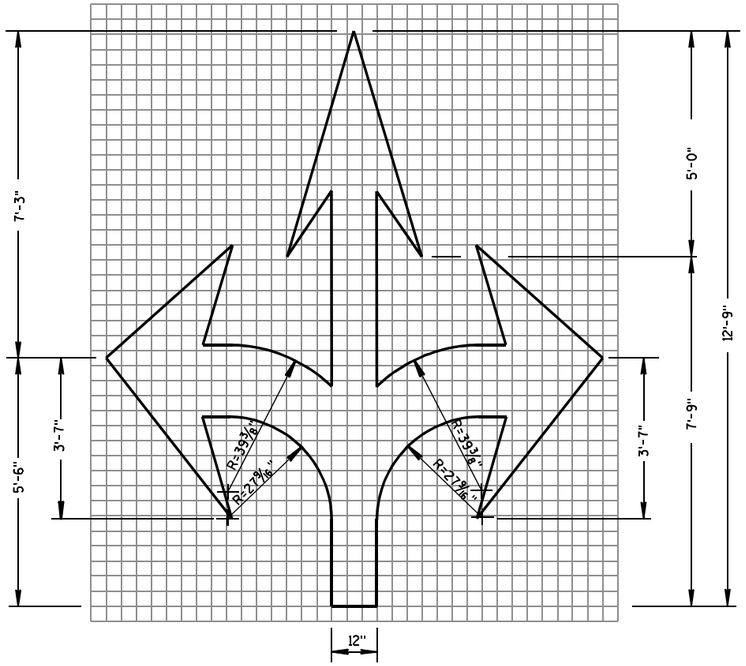
GENERAL NOTES

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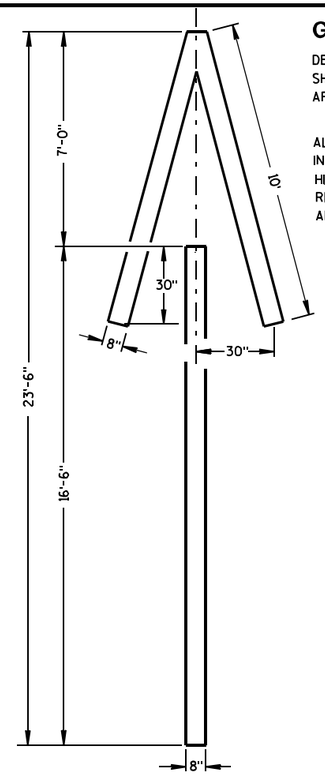
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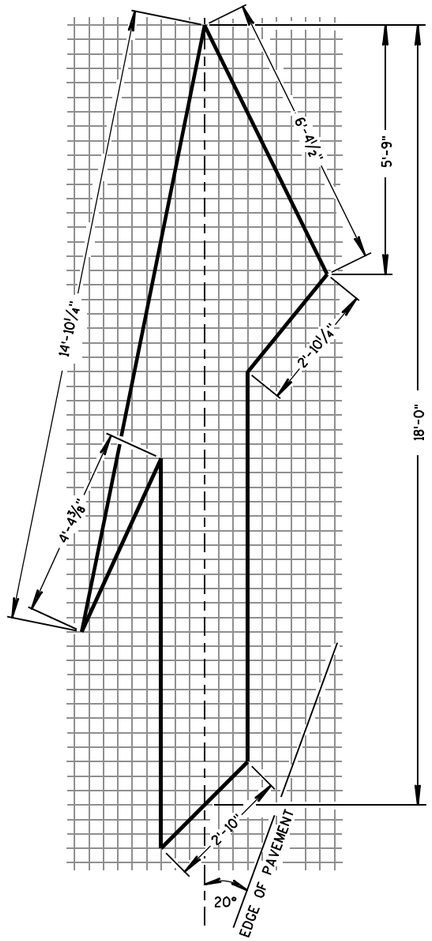
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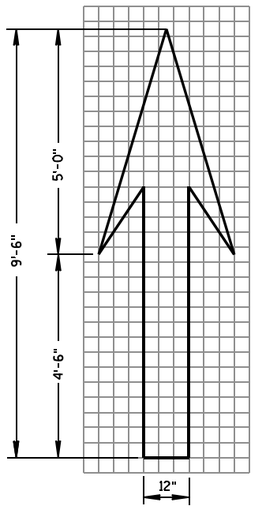
TYPE 6



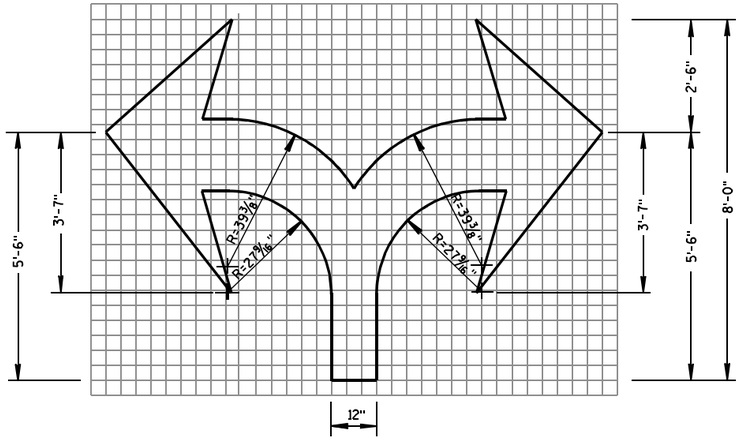
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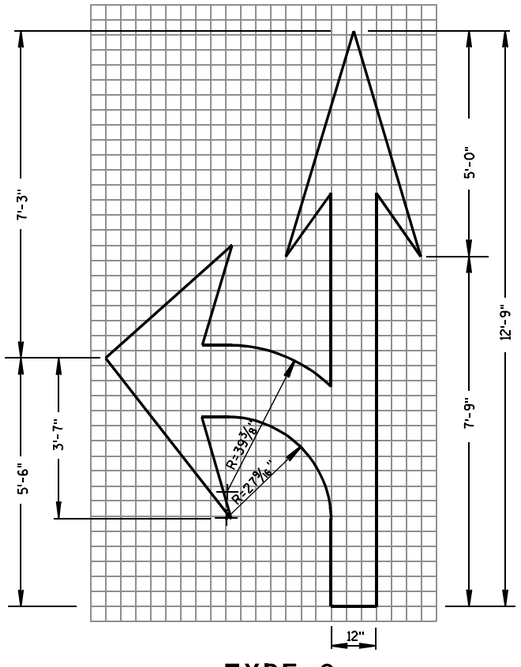
TYPE 5 LANE DROP ARROW



TYPE 1



TYPE 7



TYPE 3

PAVEMENT MARKING ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

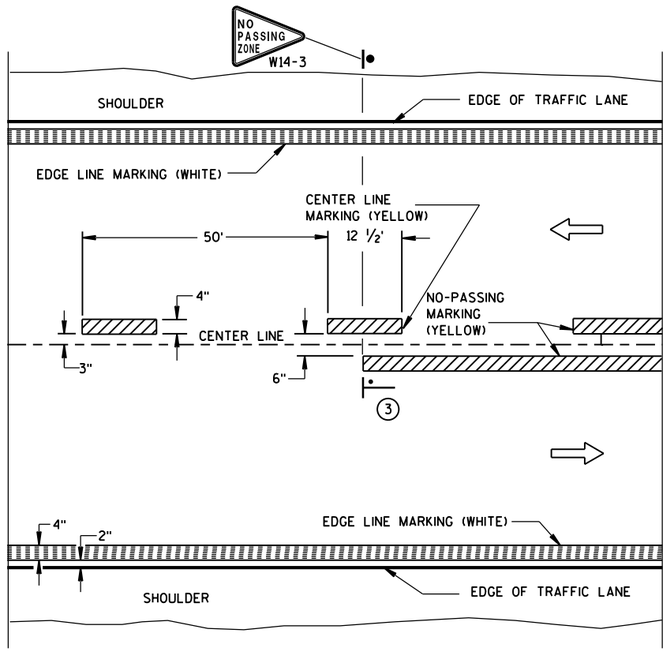
7/1/11 — DATE

/S/ Thomas N. Nothdurft — STATE TRAFFIC ENGINEER

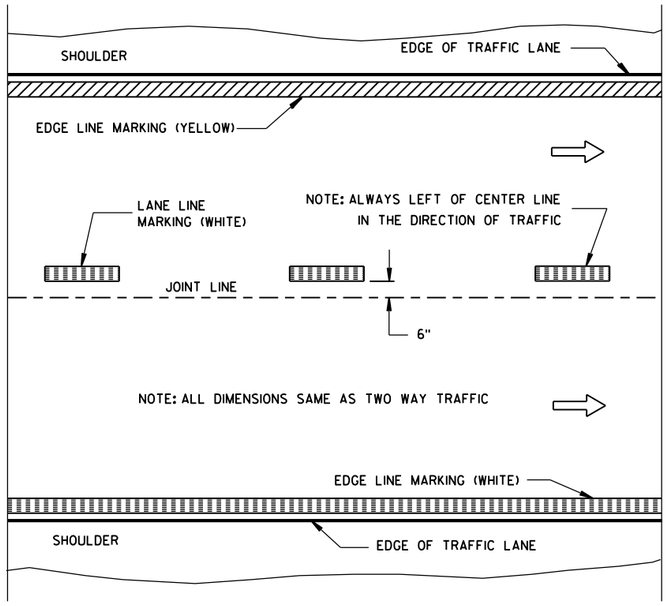
FHWA

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S.D.D. 15 C 7-12c

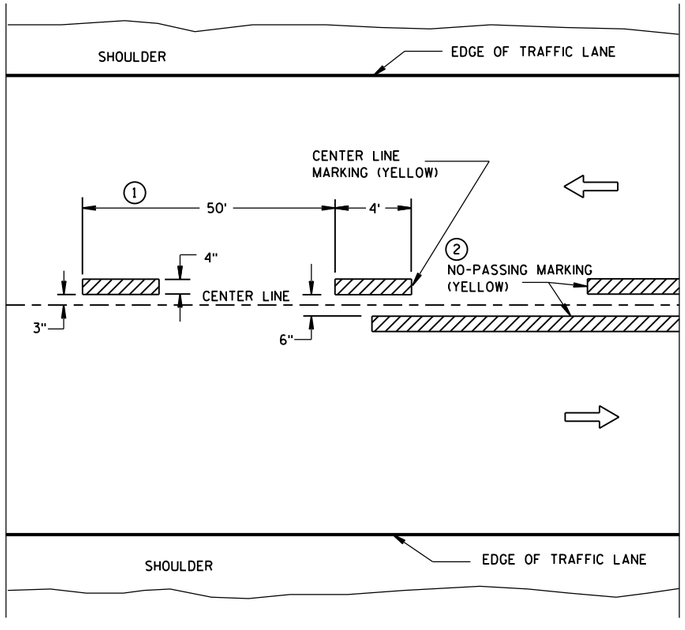


TWO WAY TRAFFIC

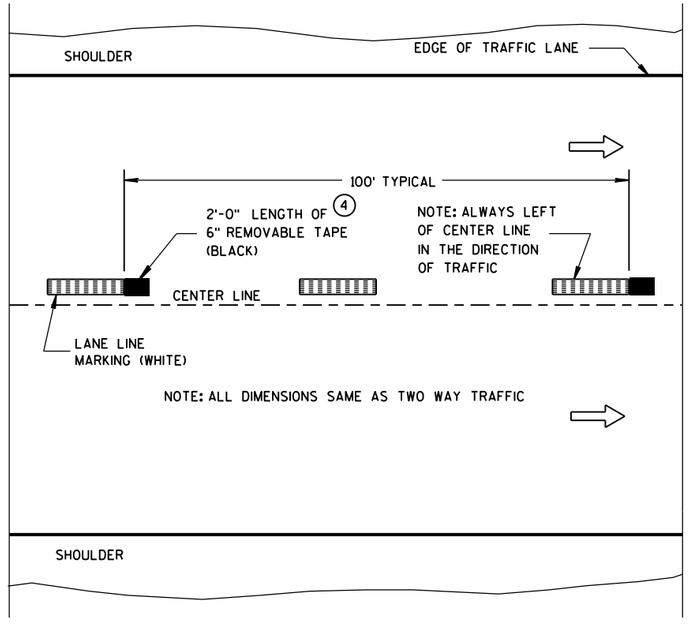


ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING



TWO WAY TRAFFIC



ONE WAY TRAFFIC

TEMPORARY (INTERMEDIATE) PAVEMENT MARKING

(SHOWS CYCLE FOR TEMPORARY CENTER LINE OR TEMPORARY LANE LINE MARKING)

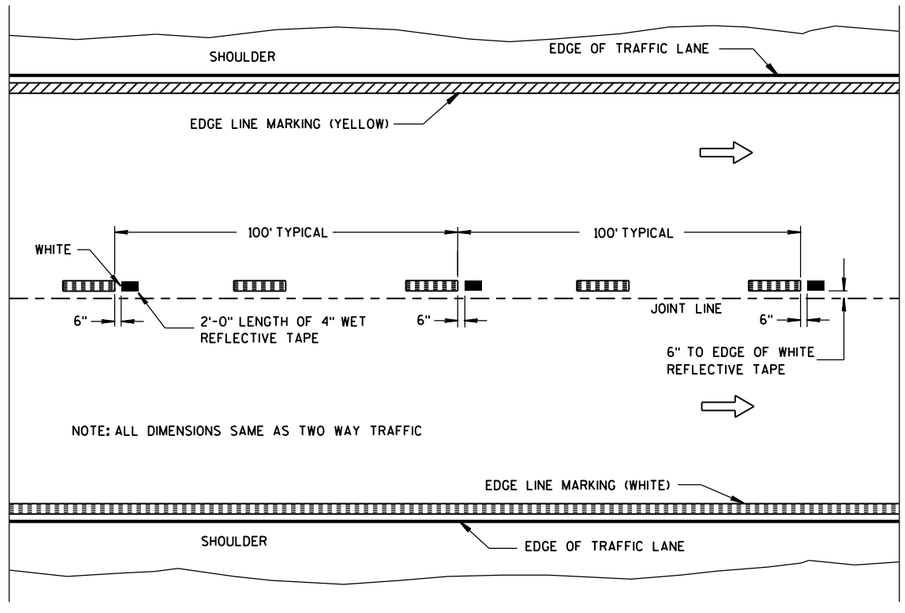
GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

1. HALF CYCLE LENGTHS (25'±) WITH 2' MINIMUM STRIPE LENGTHS SHALL BE PROVIDED ON ROADWAYS (INCLUDING TEMPORARY TRAVELED WAYS) WITH REVERSE CURVATURE, CURVATURE OF OVER 5 DEGREES OR WHEN DIRECTED BY THE ENGINEER TO MARK UNUSUAL ALIGNMENT OF THE TRAVELED WAY.
2. NO PASSING ZONE TEMPORARY PAVEMENT MARKING IS REQUIRED TO BE PLACED, WHERE APPROPRIATE, ALONG WITH CENTERLINE TEMPORARY PAVEMENT MARKING WHEN A SAME DAY PERMANENT PAVEMENT MARKING ITEM IS INCLUDED IN THE CONTRACT.
3. NO PASSING ZONE MARKINGS ARE PLACED ACCORDING TO "T" MARKINGS. IF EXISTING NO PASSING ZONE W14-3 SIGNS ARE BEYOND 50 FEET IN EITHER DIRECTION, THE SIGNS SHALL BE MOVED TO THE "T" MARKINGS.
4. CONCRETE ONLY.

NOTE

ARROW SYMBOL (⇨) SHOWS DIRECTION OF TRAVEL



WET REFLECTIVE TAPE SUPPLEMENT TO
SPRAYED OR NON WET REFLECTIVE TAPE LANE LINE

LEGEND

"T" MARKING

POST MOUNTED SIGN

PAVEMENT MARKING (MAINLINE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

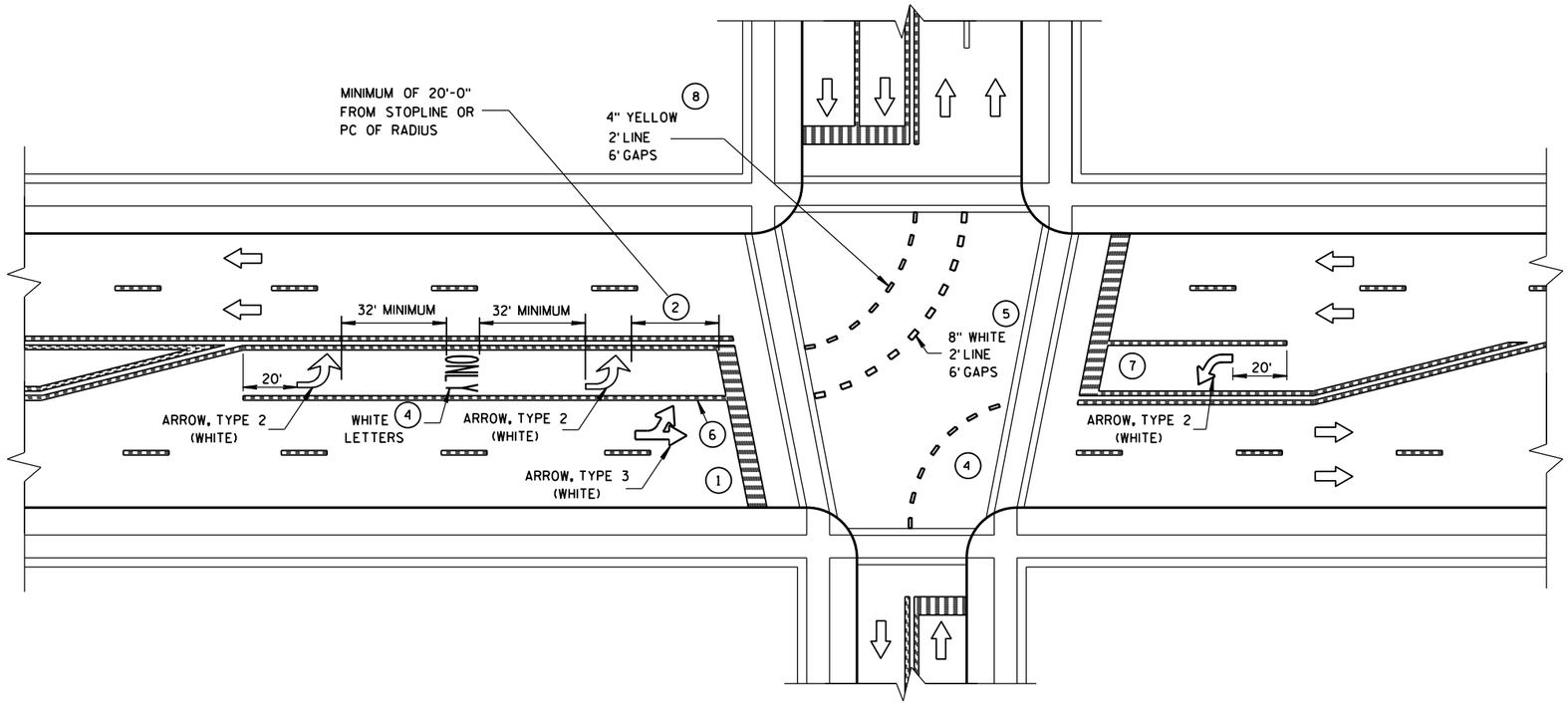
APPROVED
10-1-2012 — DATE
/S/ Travis Feltes — STATE TRAFFIC ENGINEER
FHWA

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S.D.D. 15 C 8-15a

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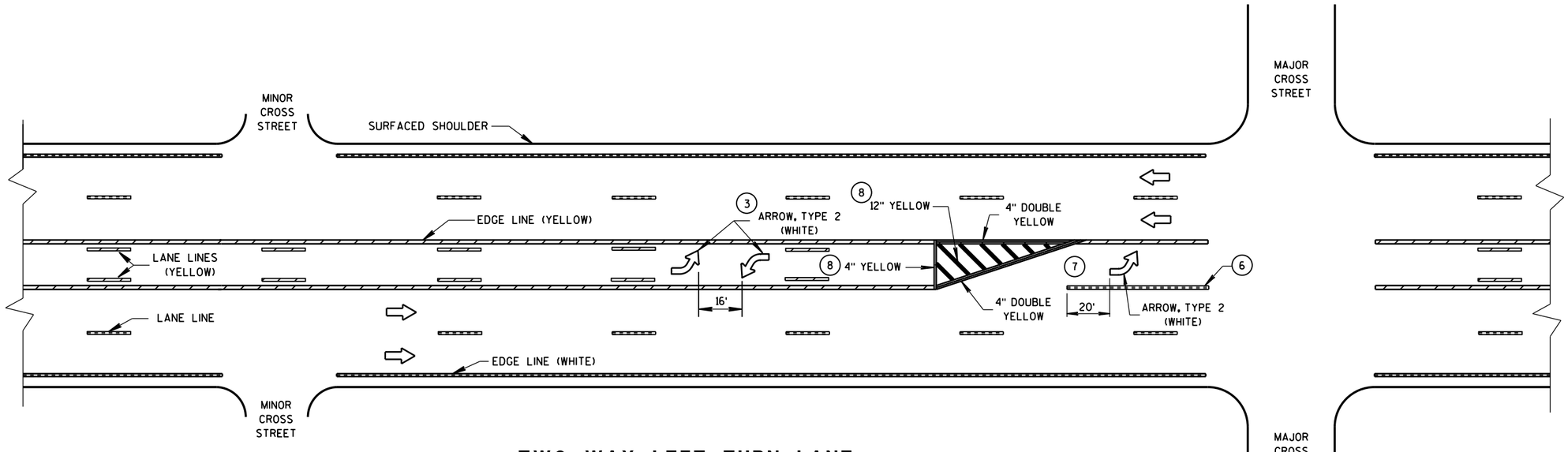
S.D.D. 15 C 8-15a



GENERAL NOTES

1. STOP BAR IS REQUIRED ONLY WHEN SPECIFIED IN THE CONTRACT.
2. DISTANCE MAY BE ADJUSTED TO ACCOMODATE SHORT LEFT TURN LANES. AS APPROVED BY THE ENGINEER.
3. A SET OF ARROWS IS REQUIRED EVERY 400' OR NEAR INTERSECTIONS OR DRIVEWAYS WITH TURNING TRAFFIC.
4. ADD EXTRA ARROW AND ONLY PER 160' OR WHEN ON A CURVE.
5. 8" WHITE WITH 2'LINE 6'GAPS FOR DUAL TURN LANE.
6. 8" WHITE
7. ADD SECOND ARROW WHEN TURN BAY IS GREATER THAN OR EQUAL TO 108'.
8. REQUIRED ONLY WHEN SPECIFIED IN THE CONTRACT.

NOTE:
ARROW SYMBOL (⇨)
SHOWS DIRECTION OF TRAVEL



TWO WAY LEFT TURN LANE

PAVEMENT MARKING (LEFT TURN LANE)

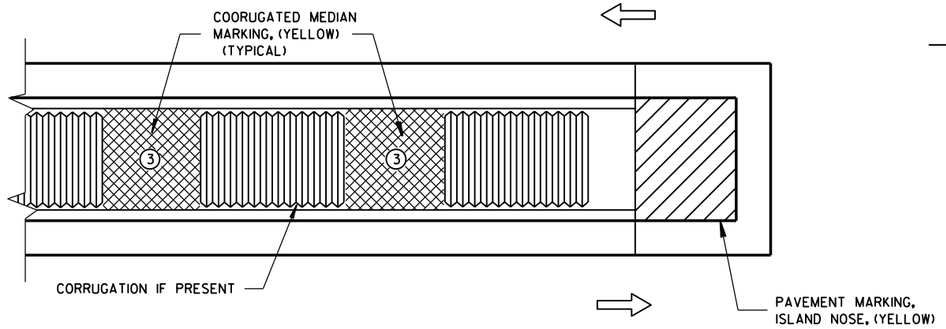
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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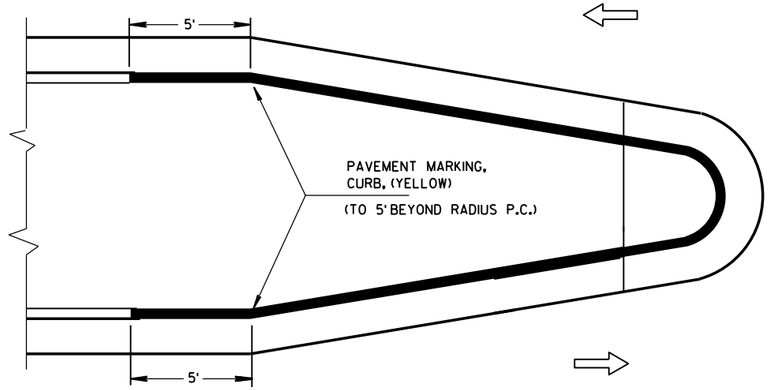
S.D.D. 15 C 8-15e

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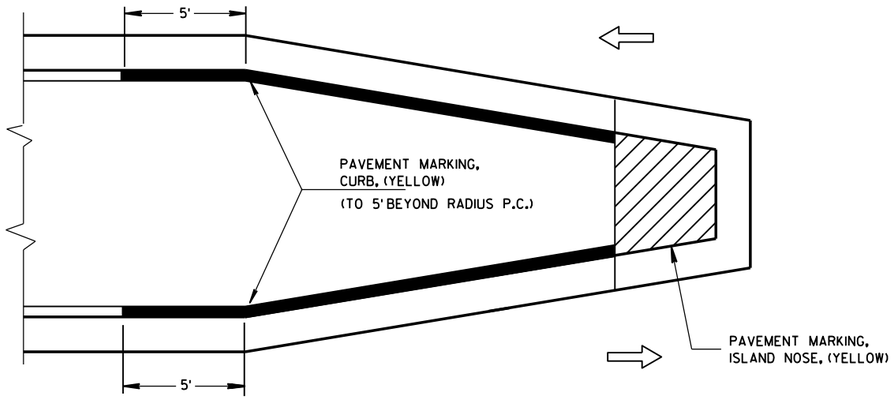
S.D.D. 15 C 8-15e



MEDIAN ISLAND WITH SQUARE BLUNT NOSE

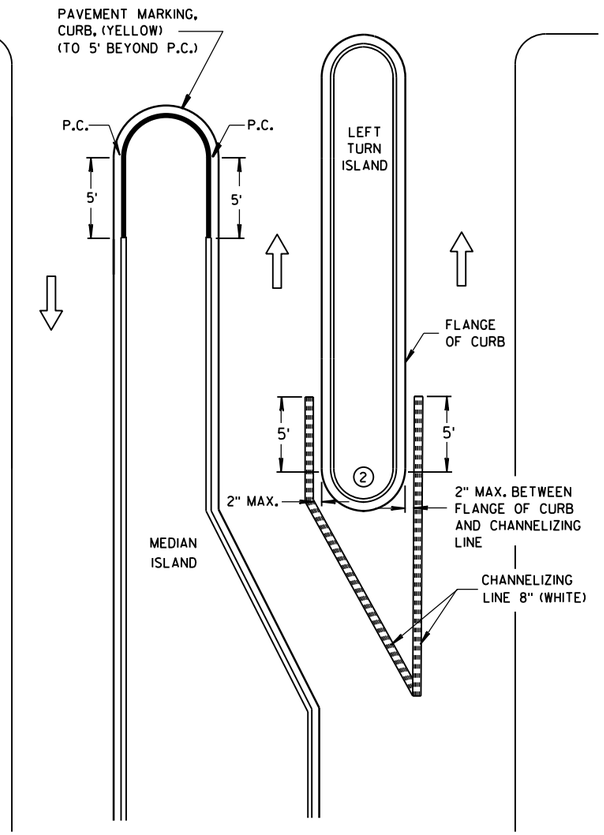


MEDIAN ISLAND WITH ROUND BLUNT NOSE



MEDIAN ISLAND WITH SLOPED NOSE

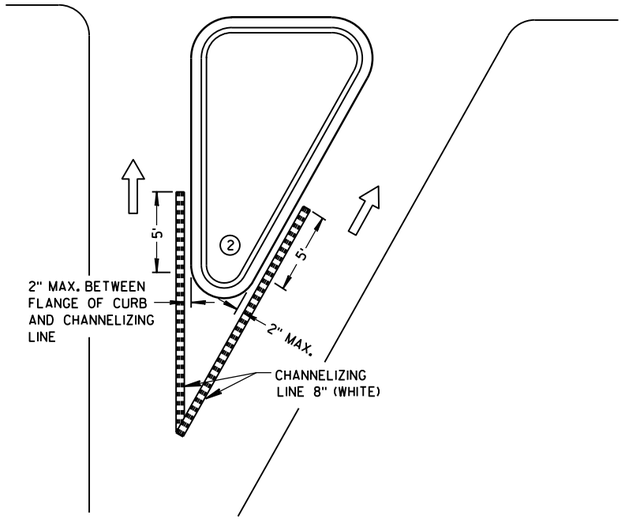
TYPICAL PLACEMENT OF PAVEMENT MARKING ON MEDIAN ISLANDS



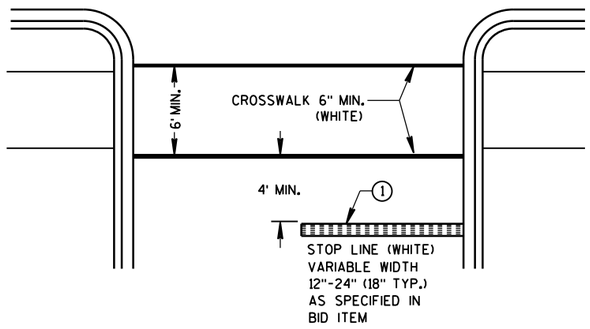
LEFT TURN & MEDIAN ISLAND

GENERAL NOTES

1. STOP LINE IS REQUIRED ONLY WHEN SPECIFIED IN THE CONTRACT.
2. DO NOT MARK CURB NOSES THAT SEPARATE LANES OF TRAFFIC TRAVELING IN THE SAME DIRECTION.
3. WHEN CONCRETE CORRUGATED MEDIAN IS CONSTRUCTED TO SEPARATE TRAFFIC OPERATING IN THE OPPOSING DIRECTION YELLOW PAVEMENT MARKING SHALL BE APPLIED TO THE FLAT PORTION OF THE CONCRETE CORRUGATED MEDIAN. THE ITEM OF PAVEMENT MARKING, CONCRETE CORRUGATED MEDIAN, WILL BE MEASURED IN PLACE AND AND ACCEPTED IN ACCORDANCE WITH THE CONTRACT AND PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT.



RIGHT TURN ISLAND



STOP LINE AND CROSSWALK

LEGEND

- ISLAND NOSE MARKING
- CURB MARKING
- CORRUGATED MEDIAN MARKING
- DIRECTION OF TRAVEL

PAVEMENT MARKING (ISLANDS, STOP LINE & CROSS WALK)

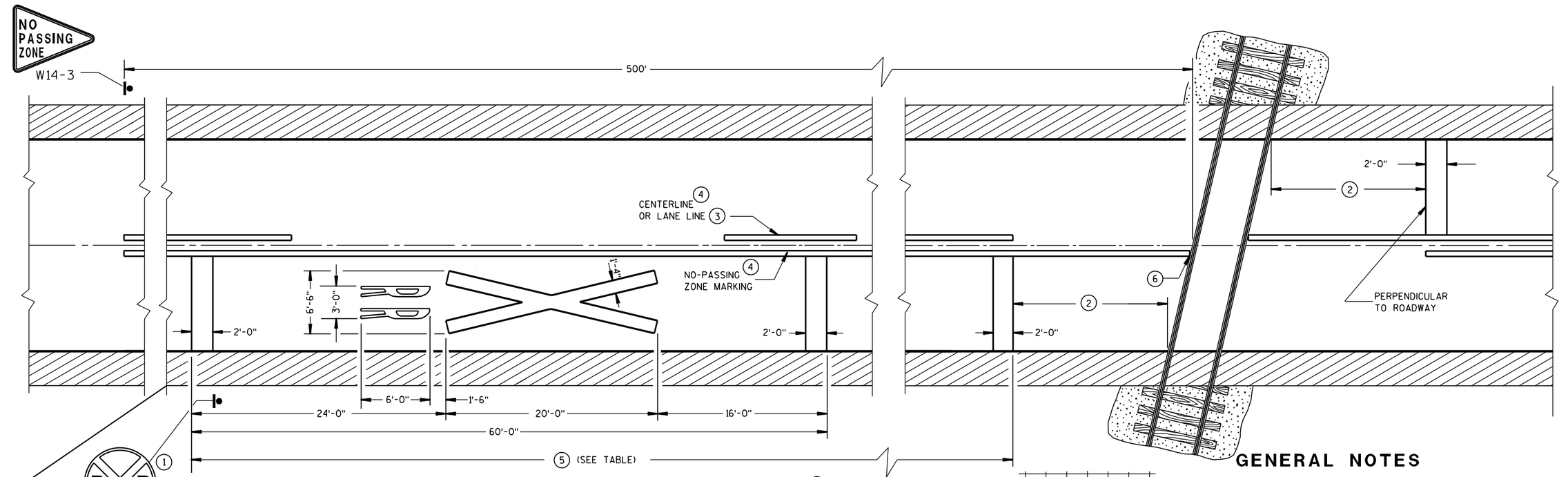
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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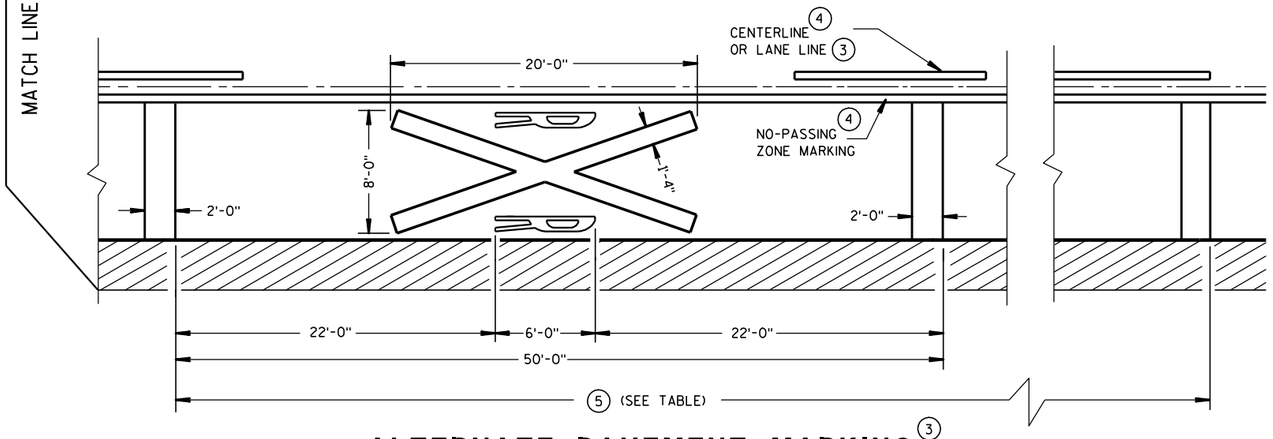
S.D.D. 15 C 8-15f

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S.D.D. 15 C 8-15f



PREFERRED PAVEMENT MARKING (3)

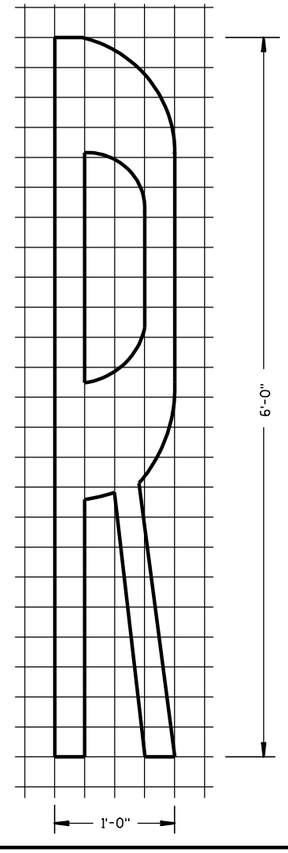


ALTERNATE PAVEMENT MARKING (3)

(5)

Posted Speed (M.P.H.)	Dimension Range (Feet)
25	150*- 250
30	200*- 300
35	250*- 450
40	300*- 500
45	400*- 650
50	550*- 800
55	750*- 1000
60	1000*- 1250
65	1000*- 1250

* THE MINIMUM DISTANCES IN THE TABLE ARE DESIRABLE AND SHOULD BE USED. THE DISTANCES MAY BE INCREASED UP TO THE MAXIMUM TO ALLOW FOR FIELD CONDITIONS SUCH AS THE CLOSE PROXIMITY OF DRIVEWAYS, BRIDGES, SIDEROADS OR OTHER FEATURES THAT WOULD PROHIBIT THE MINIMUM DISTANCES FROM BEING USED.



GENERAL NOTES

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.

A THREE-LANE ROADWAY SHOULD BE MARKED WITH A CENTERLINE FOR TWO-LANE APPROACH OPERATION ON THE APPROACH TO A CROSSING.

ON MULTI-LANE ROADS THE TRANSVERSE BANDS SHOULD EXTEND ACROSS ALL APPROACH LANES, AND INDIVIDUAL R X R SYMBOLS SHOULD BE USED IN EACH APPROACH LANE. ALL LETTERS AND SYMBOLS SHALL BE IN CONFORMANCE WITH THE "STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKINGS" (ADOPTED BY THE FEDERAL HIGHWAY ADMINISTRATION).

CENTER OR LANE LINES AND NO-PASSING ZONE MARKINGS SHOWN ON THIS DRAWING ARE REQUIRED AND PAID FOR UNDER OTHER ITEMS IN THE CONTRACT.

(1) A PORTION OF THE PAVEMENT MARKING SYMBOL SHOULD BE DIRECTLY OPPOSITE THE ADVANCE WARNING SIGN (W10-1).

(2) MINIMUM 8' FROM ANY RAILROAD WARNING DEVICES (SIGNALS, GATES, ETC.) OR 25' FROM THE NEAREST RAIL, WHICHEVER DISTANCE IS GREATER.

(3) REFLECTIVE WHITE.

(4) REFLECTIVE YELLOW 500' MINIMUM. MARKING LIMITS MAY BE EXTENDED AS DIRECTED BY THE ENGINEER TO MEET ADJACENT NO-PASSING ZONE MARKINGS.

(5) TABLE BASED UPON 2C-4 WISCONSIN SUPPLEMENT OF MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

(6) FOR MULTIPLE TRACK CROSSINGS, THE BARRIER LINE SHALL EXTEND TO THE NEAR RAIL OF THE FURTHEST TRACK IN THE DIRECTION OF HIGHWAY TRAVEL.

SIGNING AND PAVEMENT MARKING DETAILS FOR RAILROAD-HIGHWAY GRADE CROSSINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

1-9-2012
DATE

/S/ Thomas N. [illegible]
STATE TRAFFIC ENGINEER

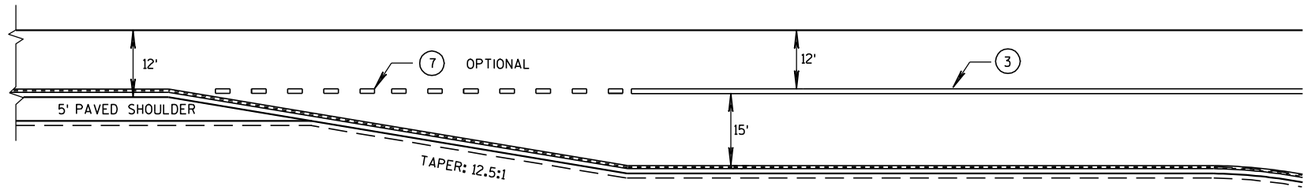
FHWA

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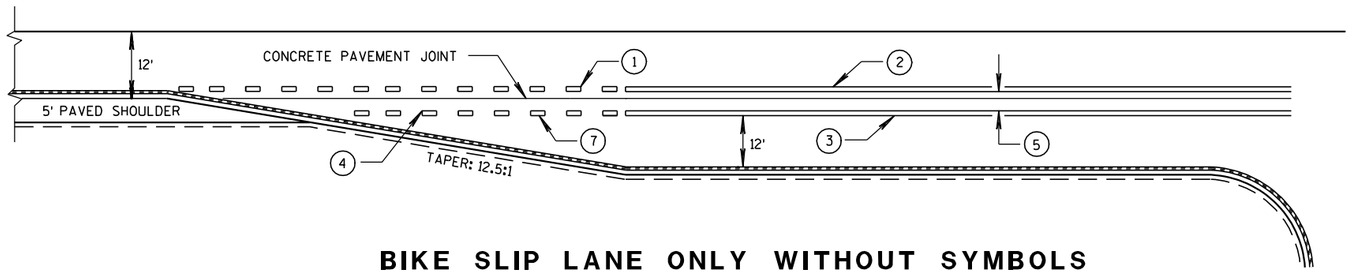
S.D.D. 15 C 9-9a

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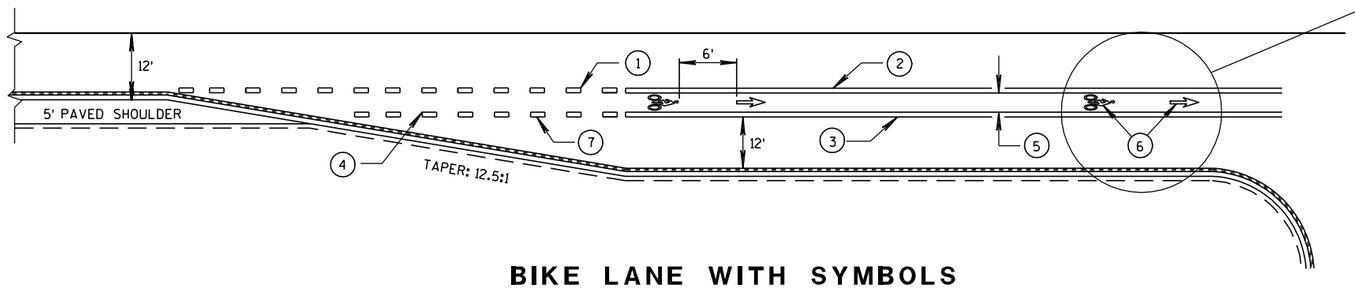
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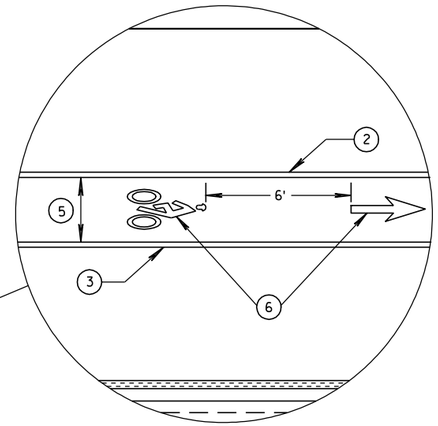
WIDER TURN LANE



BIKE SLIP LANE ONLY WITHOUT SYMBOLS



BIKE LANE WITH SYMBOLS



GENERAL NOTES

1. 3' LINE, 9' GAP - 4-INCH WIDE, WHITE.
2. 4-INCH, WHITE.
3. 8-INCH, WHITE.
4. IF SIGNED AND/OR MARKED AS A BICYCLE FACILITY INCLUDE SECOND LINE OF LINE-SPACE MARKING, OTHERWISE DO NOT.
5. BIKE ACCOMMODATION FOR CONCRETE PAVEMENT IS 5' WIDE.
   2 LANE (3' LEFT, 2' RIGHT OF JOINT).
   4 LANE (2' LEFT, 3' RIGHT OF JOINT).
   BIKE ACCOMMODATION FOR ASPHALT PAVEMENT IS A MINIMUM OF 4', 5' AT ≥45 MPH.
6. REQUIRED ONLY WHEN SPECIFIED IN THE CONTRACT.
7. 3' LINE, 9' GAP - 8-INCH WIDE, WHITE.

BICYCLE LANE MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

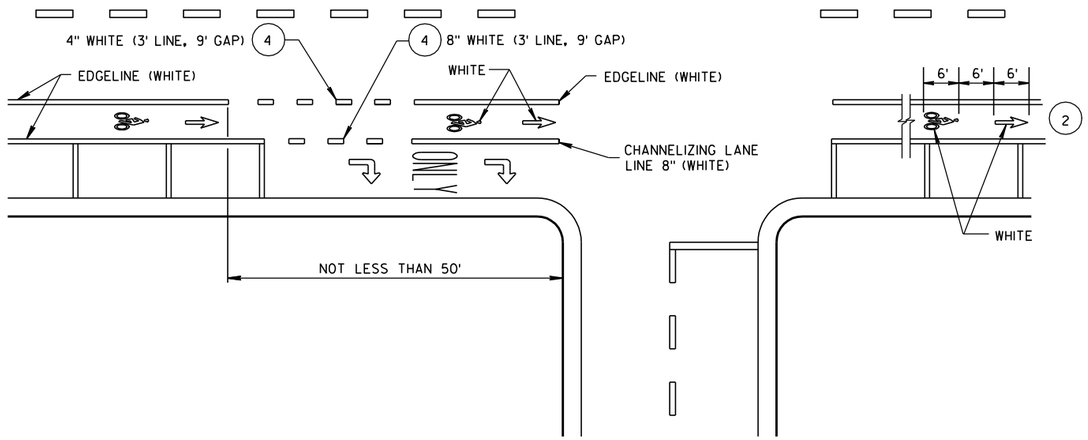
2/6/2012
DATE

/S/ Thomas N. N[illegible]
STATE TRAFFIC ENGINE 218 SIGN

FHWA

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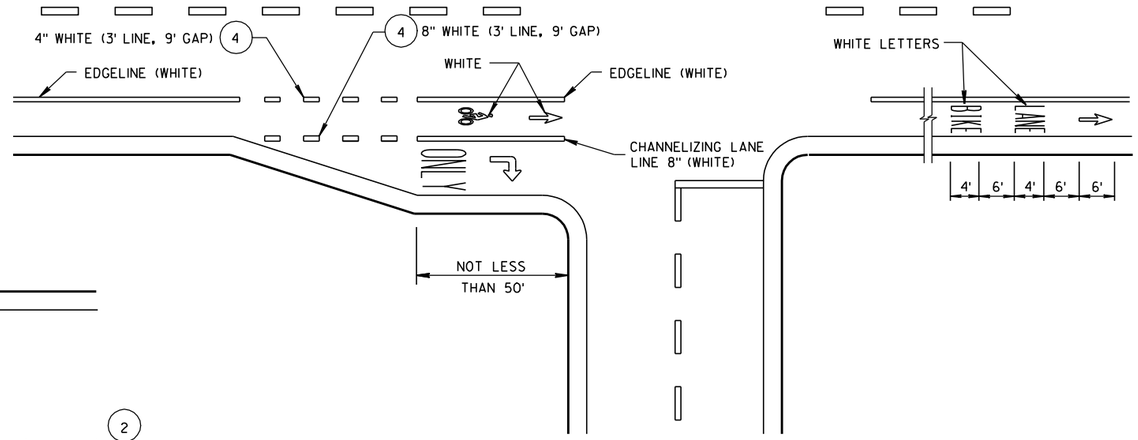
S.D.D. 15 C 29-2a



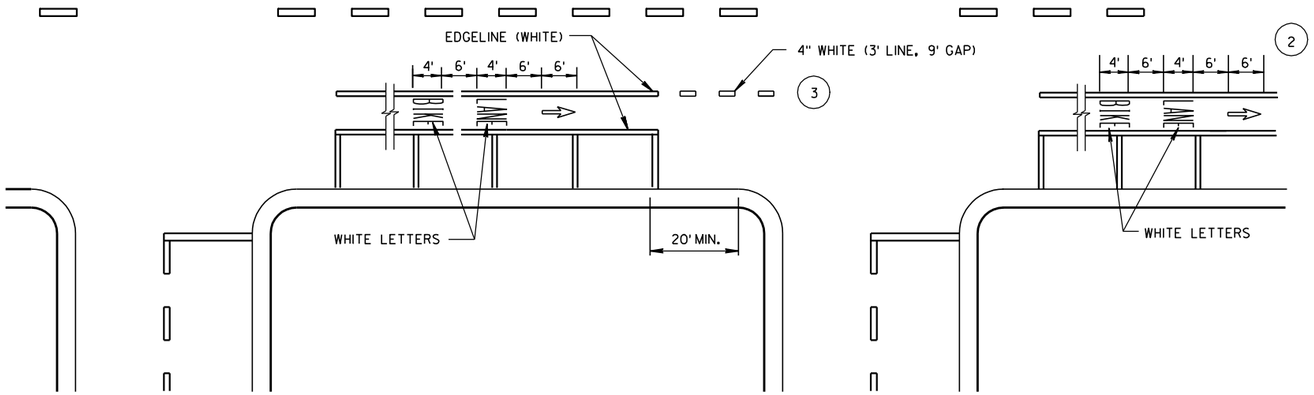
DESIGNATED BICYCLE LANE

GENERAL NOTES

1. DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.
2. THE SERIES OF PAVEMENT MARKING SYMBOLS SHALL BE REPEATED AFTER INTERSECTIONS AND SPACED A MAXIMUM OF 250'. NO PAVEMENT MARKING WILL TAKE PLACE IN THE CROSSWALK.
3. DOTTED LINES SHOULD BE USED 50' TO 200' IN ADVANCE OF AN INTERSECTION WHERE THERE IS NO RIGHT TURN ONLY LANE AND THERE IS HEAVY RIGHT TURN TRAFFIC OR THERE IS A NEAR-SIDE BUS STOP. AT OTHER INTERSECTIONS WHERE RIGHT TURN TRAFFIC IS LIGHT TO MODERATE, A SOLID LINE CAN BE USED UP TO THE INTERSECTION.
4. WHEN SPECIFIED IN THE CONTRACT.



DESIGNATED BICYCLE LANE
NO PARKING, RIGHT TURN LANE



DESIGNATED BICYCLE LANE
WITH PARKING, NO RIGHT TURN LANE

URBAN BICYCLE LANE MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
2/6/2012 DATE
/S/ Thomas N. [illegible]
STATE TRAFFIC ENGINEER

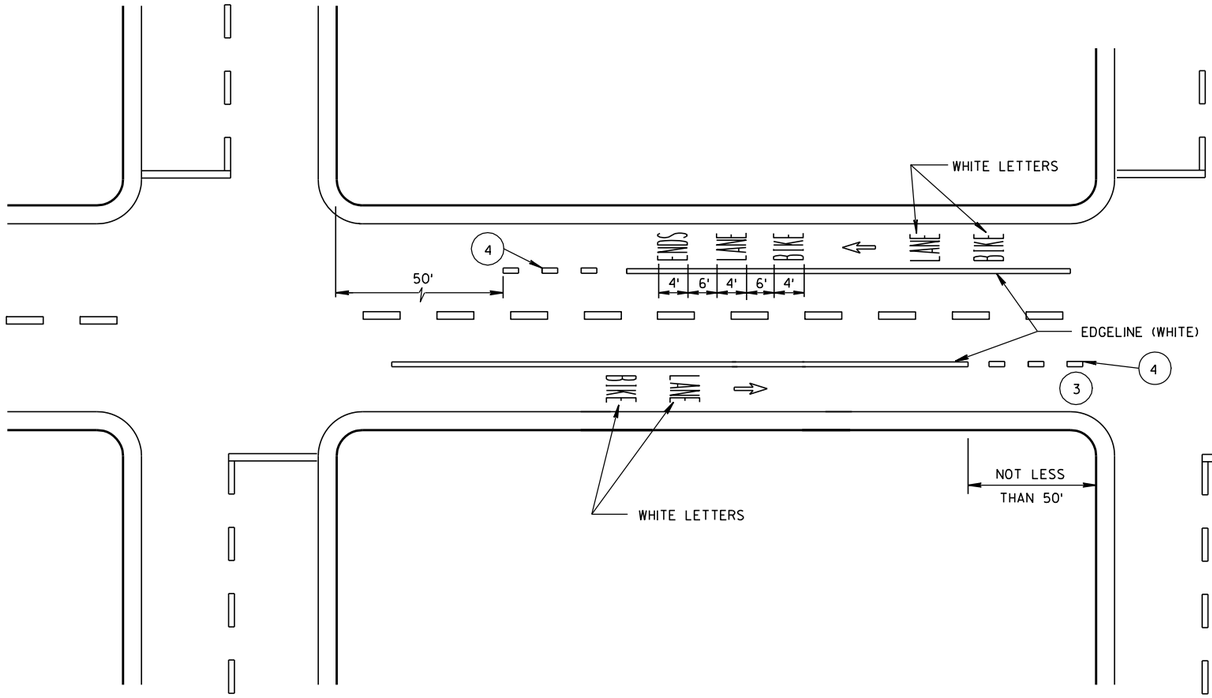
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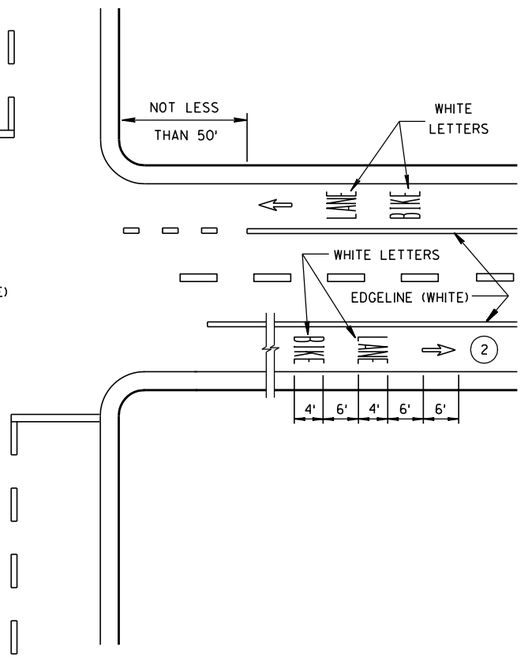
S.D.D. 15 C 29-2c

6

GENERAL NOTES

1. DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.
2. THE SERIES OF PAVEMENT MARKING SYMBOLS SHALL BE REPEATED AFTER INTERSECTIONS AND SPACED A MAXIMUM OF 250'. NO PAVEMENT MARKING WILL TAKE PLACE IN THE CROSSWALK.
3. DOTTED LINES SHOULD BE USED 50' TO 200' IN ADVANCE OF AN INTERSECTION WHERE THERE IS NO RIGHT TURN ONLY LANE AND THERE IS HEAVY RIGHT TURN TRAFFIC OR THERE IS A NEAR-SIDE BUS STOP. AT OTHER INTERSECTIONS WHERE RIGHT TURN TRAFFIC IS LIGHT TO MODERATE, A SOLID LINE CAN BE USED UP TO THE INTERSECTION.
4. 3' LINE, 9' GAP - 4" WIDE, WHITE.





DESIGNATED BICYCLE LANE
NO PARKING

URBAN BICYCLE LANE MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

2/6/2012 DATE

/S/ Thomas N. [illegible] STATE TRAFFIC ENGINEER

220 SIGN

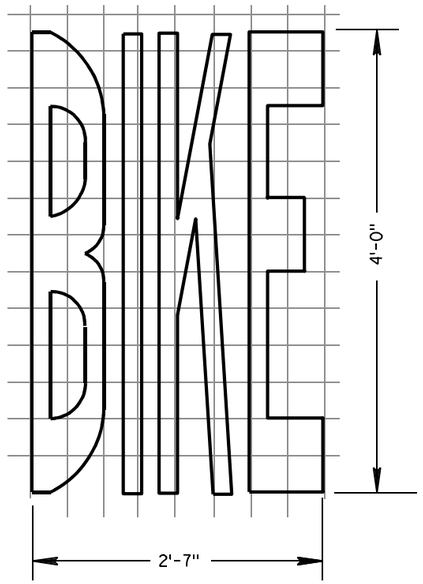
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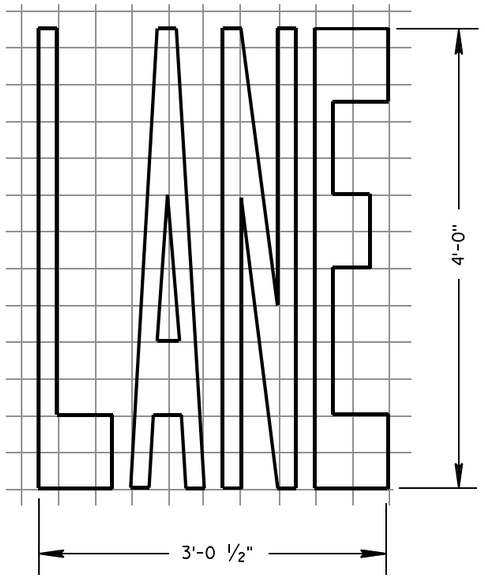
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S.D.D. 15 C 29-2d

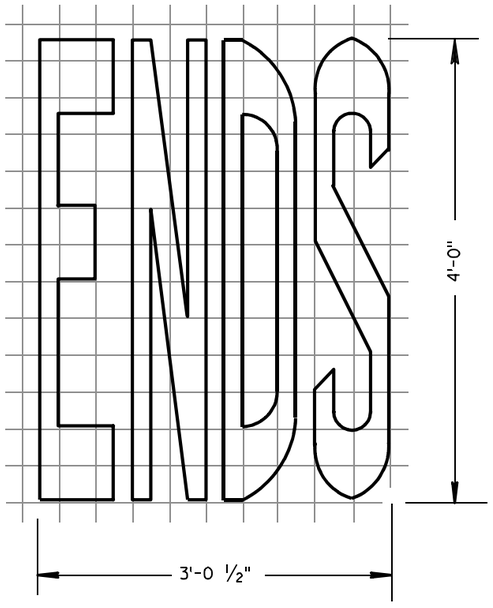
GENERAL NOTES

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

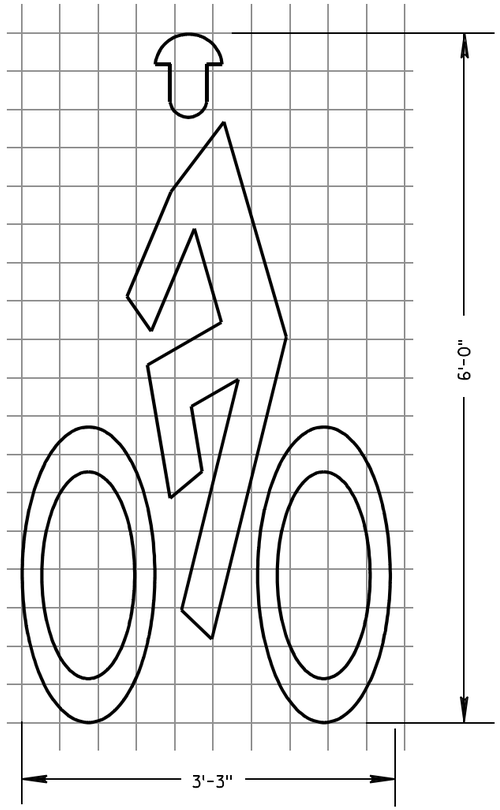
ALL LETTERS, ARROWS AND SYMBOLS SHALL BE IN CONFORMANCE WITH REQUIREMENTS INCLUDED IN "STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKING" BOOK BY THE FEDERAL HIGHWAY ADMINISTRATION. ALL LETTERS, ARROWS AND SYMBOLS SHALL BE WHITE AND REFLECTORIZED. SMALL DIFFERENCES IN DIMENSIONS WITHIN THE TOLERANCES OF THAT BOOK ARE ACCEPTABLE.



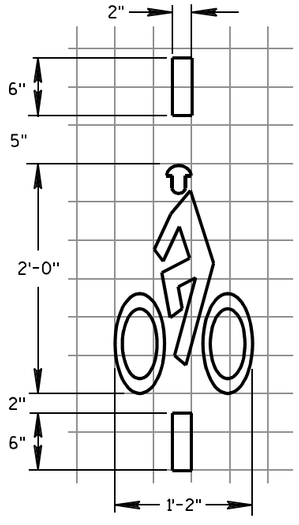




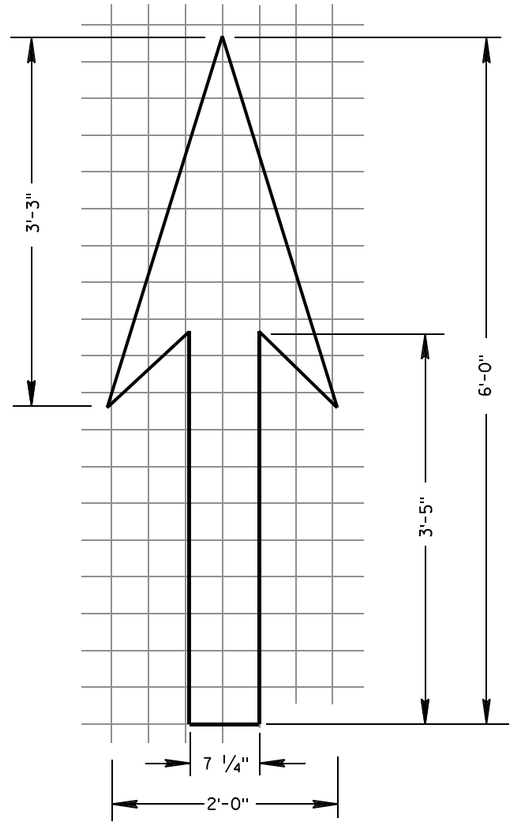
BIKE LANE WORDS



BIKE LANE SYMBOL



BICYCLE DETECTOR PAVEMENT MARKING



BIKE LANE ARROW

PAVEMENT MARKING FOR BIKE LANES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

2-6-2012 DATE

/S/ Thomas N. [illegible] STATE TRAFFIC ENGINEER

FHWA

GN

6

S.D.D. 15 C 29-2e

6

S.D.D. 15 C 29-2e

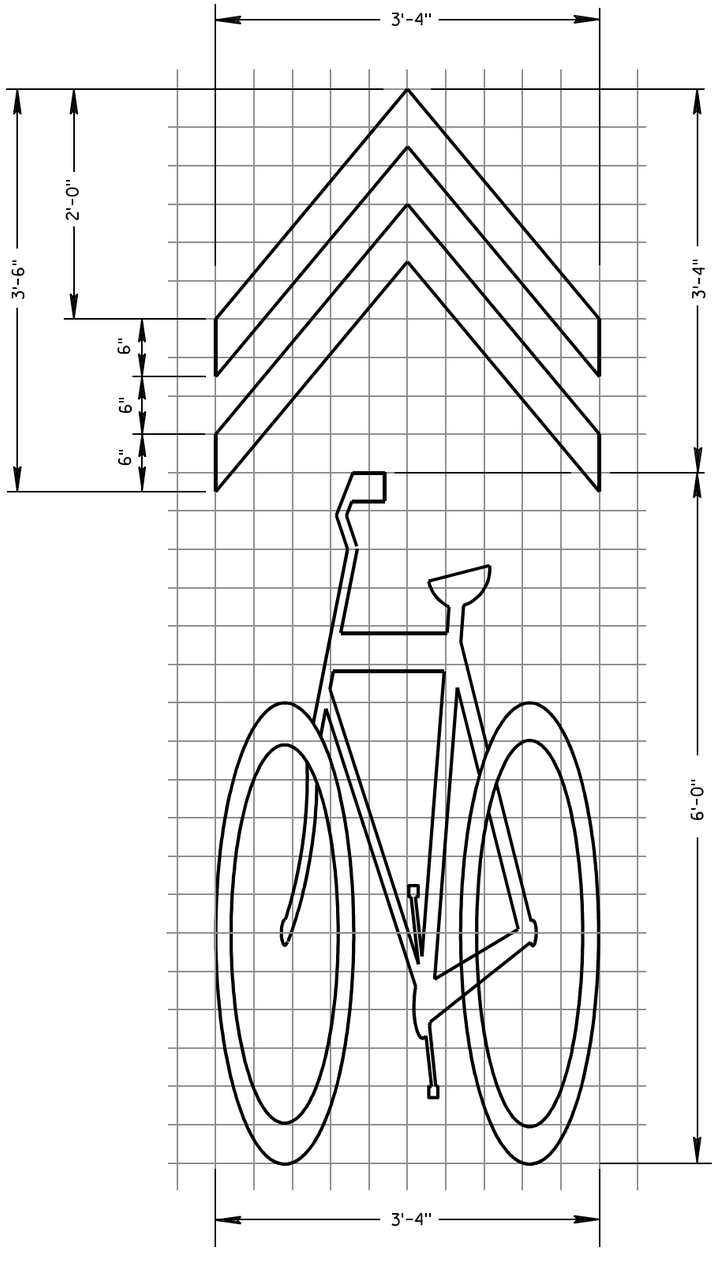
GENERAL NOTES

ALL LETTERS, ARROWS AND SYMBOLS SHALL BE IN CONFORMANCE WITH REQUIREMENTS INCLUDED IN "STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKING" BOOK BY THE FEDERAL HIGHWAY ADMINISTRATION. ALL LETTERS, ARROWS AND SYMBOLS SHALL BE WHITE AND REFLECTORIZED. SMALL DIFFERENCES IN DIMENSIONS WITHIN THE TOLERANCES OF THAT BOOK ARE ACCEPTABLE.

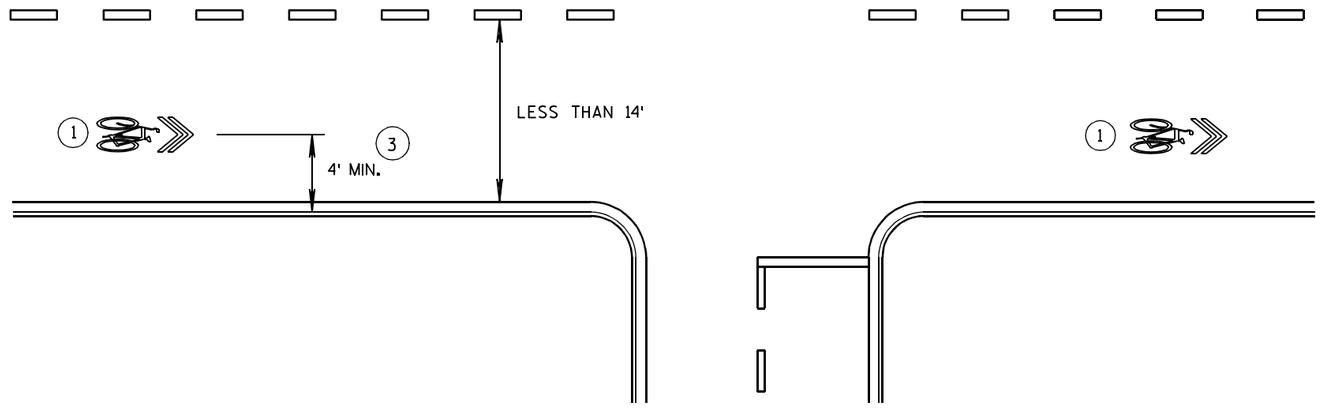
(1) SPACED A MAXIMUM OF 250 FEET.

(2) 20 FOOT MINIMUM FROM CURB RADIUS.

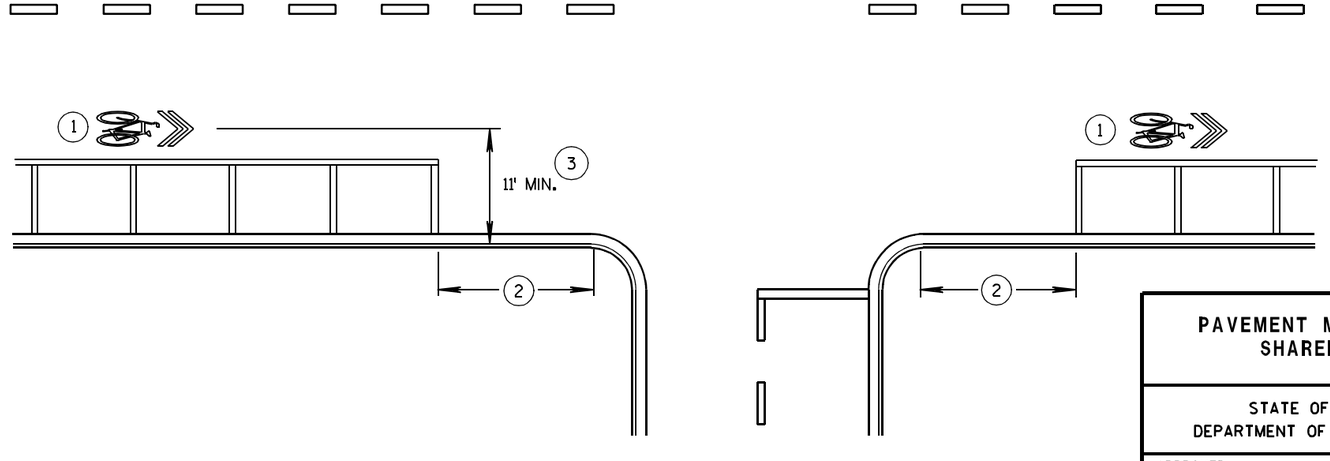
(3) OR TO EDGE OF PAVEMENT WITHOUT CURB.



BIKE SYMBOL FOR SHARED LANE



WITHOUT PARKING



WITH PARKING

PAVEMENT MARKING FOR SHARED LANE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

2-6-2012
DATE

/S/ Thomas N. Nothem
STATE TRAFFIC ENGINEER

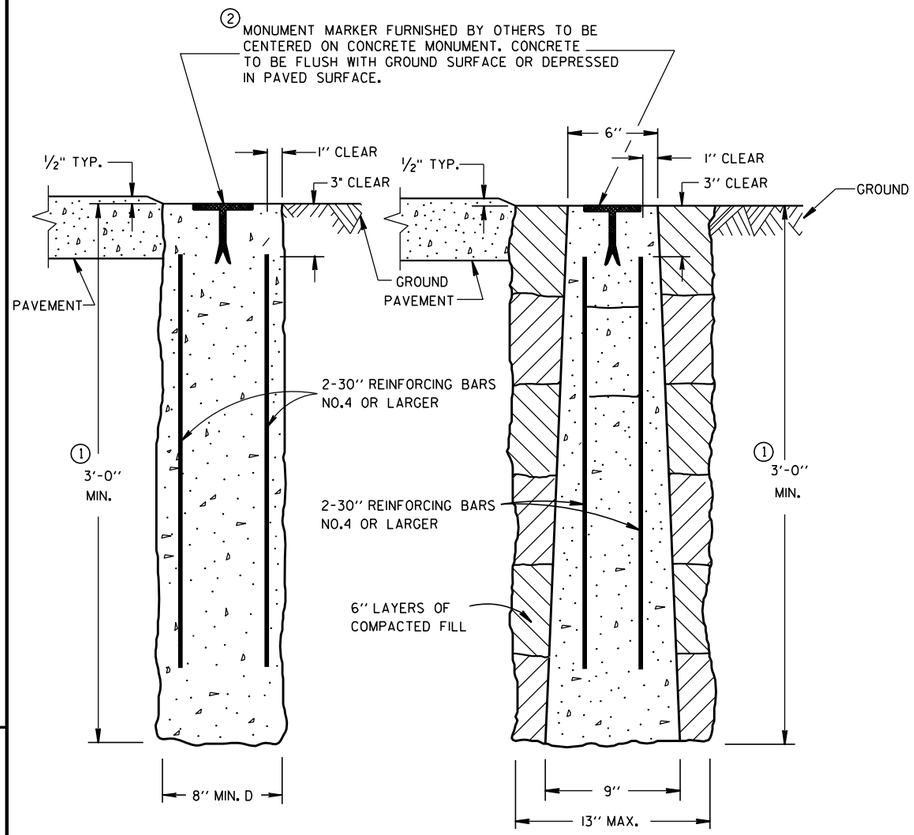
FHWA

6

S.D.D. 15 C 29-2f

6

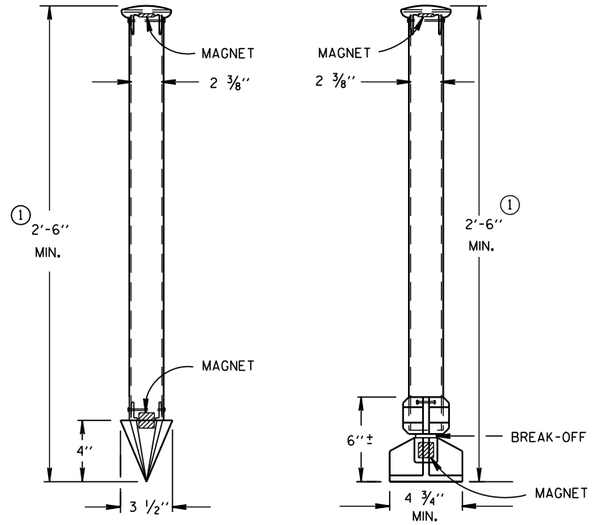
S.D.D. 15 C 29-2f



CAST-IN-PLACE PRECAST

CONCRETE MONUMENTS

TYPE A



ALUMINUM MONUMENTS

(INCLUDES MARKER)

GENERAL NOTES

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.

DETAILED DRAWINGS OF PROPOSED ALTERNATE DESIGNS FOR METAL MONUMENTS OR MONUMENT COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

INSTALLED METAL MONUMENTS MUST BE EASILY DETECTED WITH A DIP NEEDLE. INSERT PERMANENT MAGNETS SHALL BE ATTACHED NEAR THE TOP AND BOTTOM OF THOSE MONUMENTS CONSTRUCTED OF A METAL ALLOY WHICH IS NOT ATTRACTIVE TO A DIP NEEDLE.

THE CAST IRON MONUMENT COVER SHALL BE A "NON-ROCKING" TYPE. ADJUSTMENT OF THE COVER TO GRADE MAY BE ACCOMPLISHED BY THE USE OF MORTAR AND BRICK, OR BY EITHER PRECAST OR CAST-IN-PLACE REINFORCED CONCRETE GRADE RINGS.

MONUMENTS SHALL BE LOCATED AND PLACED AT THE DIRECTION OF THE ENGINEER.

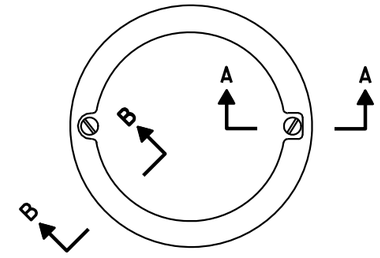
ALUMINUM MONUMENTS AND MONUMENT COVERS SHALL BE MADE FROM AN ALUMINUM AND MAGNESIUM ALLOY AS DETERMINED BY THE MANUFACTURER.

THE MONUMENT COVERS DETAILED ON THIS DRAWING ARE NOT EQUAL ALTERNATES. MONUMENT COVERS SHALL BE CAST IRON UNLESS ALUMINUM IS SPECIFIED ELSEWHERE IN THE CONTRACT.

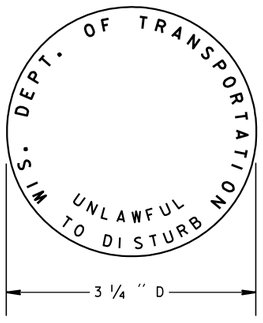
MONUMENT SHALL BE CAST-IN-PLACE CONCRETE UNLESS PRECAST CONCRETE OR ALUMINUM MONUMENTS ARE SPECIFIED IN THE CONTRACT OR PERMITTED BY THE ENGINEER.

① MINIMUM LENGTH SHALL BE 4'-0" FOR MONUMENTS INSTALLED IN PAVED AREAS.

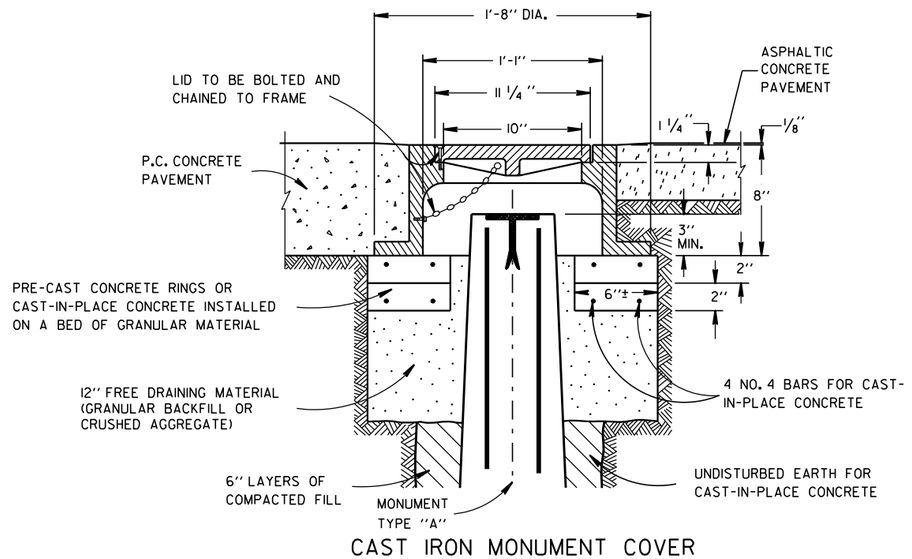
② AN OFFICIAL COUNTY MONUMENT MARKER SUPPLIED BY A COUNTY MAY BE REQUIRED FOR SOME SECTION CORNERS AND WITNESS MONUMENTS INSTEAD OF THIS WIS DOT MARKER.



TOP VIEW

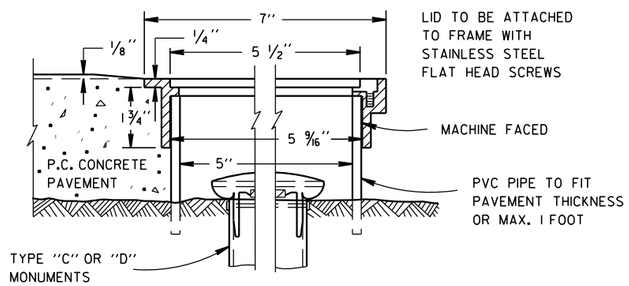


② WIS DOT MONUMENT MARKER LOGO FOR TYPES "A", "C" & "D"



CAST IRON MONUMENT COVER

(APPROXIMATE WEIGHT - 95 LBS.)



SECTION B-B SECTION A-A

ALUMINUM MONUMENT COVER

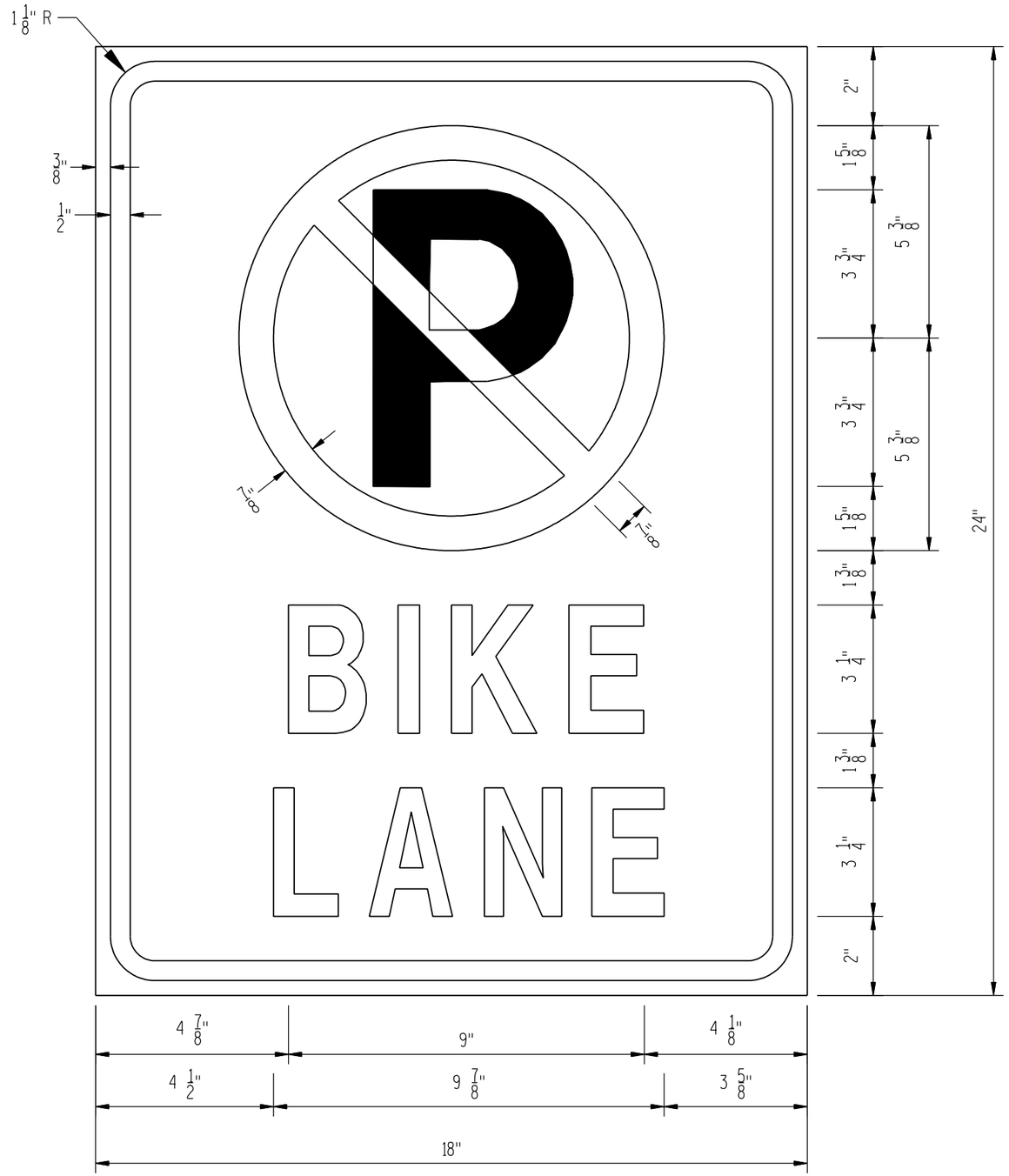
(APPROXIMATE WEIGHT 2 LBS)
(FOR CONCRETE PAVEMENT ONLY)

LANDMARK REFERENCE MOUNMENTS AND COVERS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
9/22/1999 DATE
/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6 S.D.D. 16 A 1-6



NOTES:

1. Sign is Type II- Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.

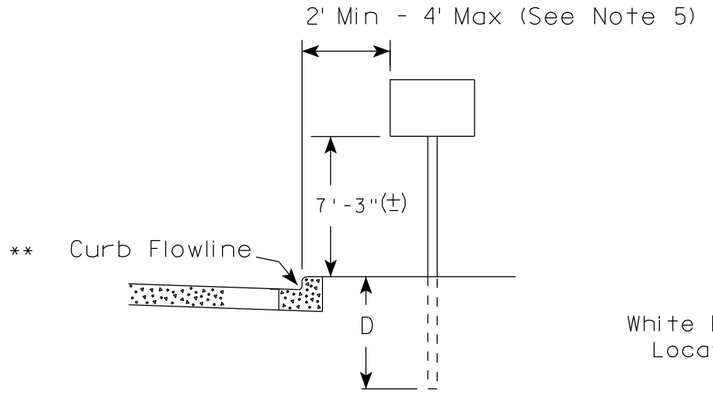
2. Color:
   Background - White
   Message - Red
   "P" - Black

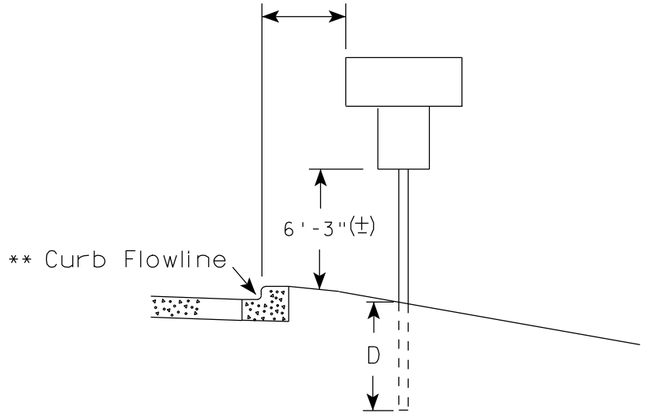
3. Message Series:
   Message is Series C.
   "P" is Series E Modified

4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

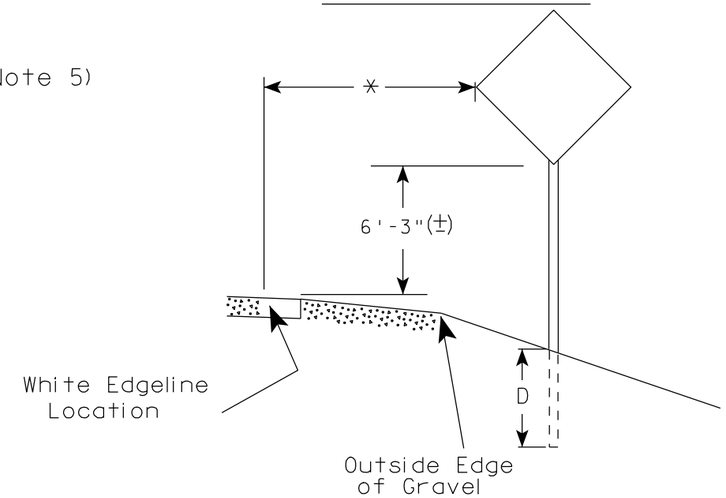
STANDARD SIGN R7-9A

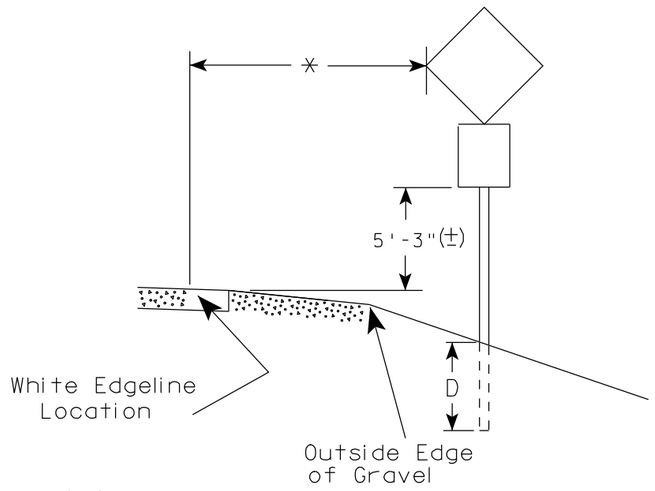
URBAN AREA





RURAL AREA (See Note 2)





** 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. Offset of signs is measured from the flow line.

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

GENERAL NOTES

1. Signs wider than 4 feet or larger than 20 sq. ft. shall be mounted on multiple posts. Refer to plate A4-4.
2. If signs are mounted on barrier wall, see A4-10 sign plate.
3. For expressways and freeways, mounting height is 7'- 3" (±) or 6'-3" (±) depending upon existence of a sub-sign.
4. Minimum mounting height for J assemblies (A4-5) is 7'-3" (±) or 6'-3" (±) per urban or rural detail respectively.
5. Minimum mounting height for signs mounted on traffic signal poles is 5'- 3" (±).
6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
7. The (±) tolerance for mounting height is 3 inches.
8. Folding stop signs (R1-1F) shall be mounted at a height of 5'-3" (±) or as directed by the Engineer.
9. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (W1-8A), Clearance Markers (W5-52), Mile Markers (D10 series) & End of Road Markers (W5-56 & W5-56A) shall be mounted at a height of 4'-3" (±).

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq. Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

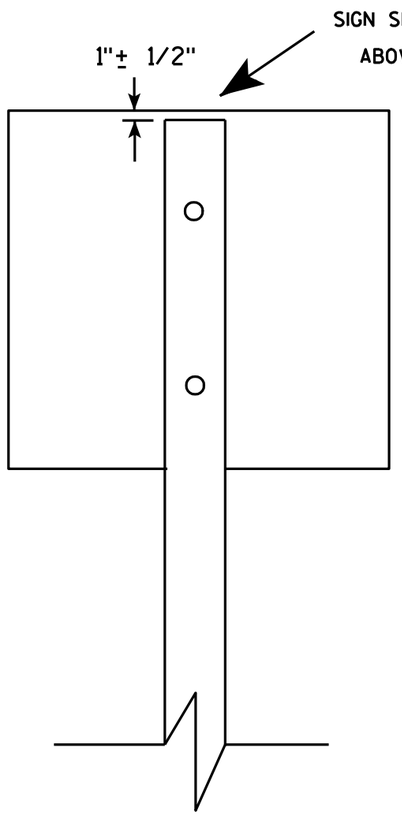
APPROVED Matthew R Rauch
for State Traffic Engineer

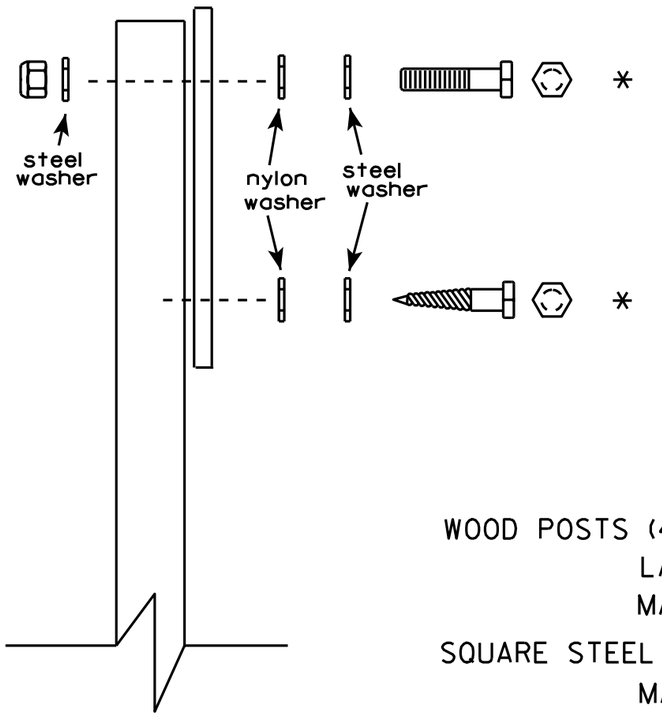
DATE 9/30/09 PLATE NO. A4-3.15

7

7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 225 | E





Nuts, bolts and lags used for mounting signs shall have hexagonal heads and shall be either :

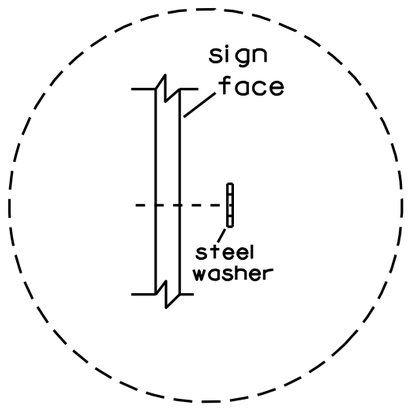
a. Hot dip galvanized in accordance with ASTM Designation: A 153, Class D, or SC 3
b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.

Threads on bolts and nuts shall be manufactured with sufficient allowance for the cadmium plate or galvanized coating to permit the nuts to run freely on the bolts.

WOOD POSTS (4" x 4" or 4" x 6")
LAG SCREWS - 3/8" X 3"
MACHINE BOLTS - 5/16" X 6-1/2" or 7" Length w/ nuts

SQUARE STEEL POSTS (2" x 2")
MACHINE BOLTS - 3/8" X 3-1/4" Length w/ nuts
RIVETS - 9/32 " (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL
O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH

WASHERS (ALL POSTS) -
1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON for all Type H signs.



Washer Placement when Sign Has Other Than Type H or Type F Face

* Two different fastening systems are shown for illustration purposes. On any individual sign, either one or the other system shall be used. Actual number of fasteners per sign varies with the sign area, but normally there are two. For a single post installation, all signs greater than 9 sq. ft. require the use of 3 fasteners.

ATTACHMENT OF SIGNS TO POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/23/10 PLATE NO. A4-8.7

7

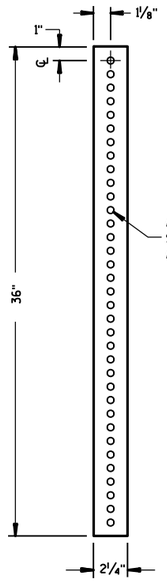
7

PROJECT NO:

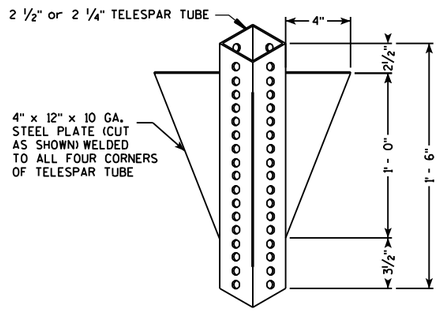
SHEET NO: 226 E

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

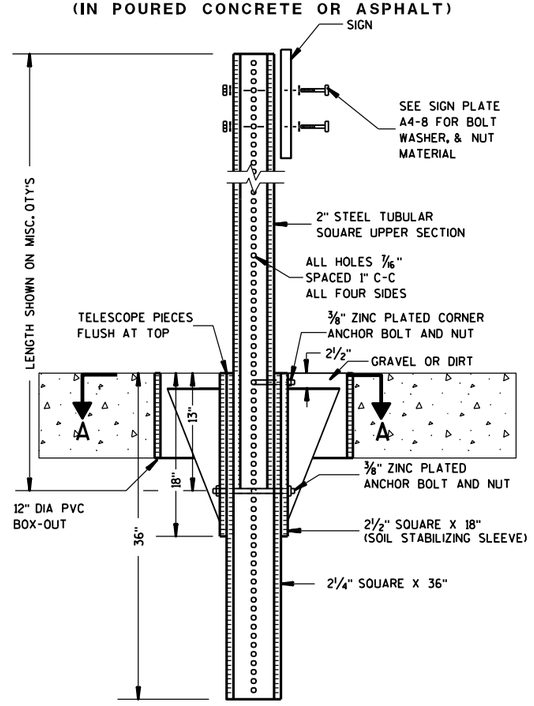
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



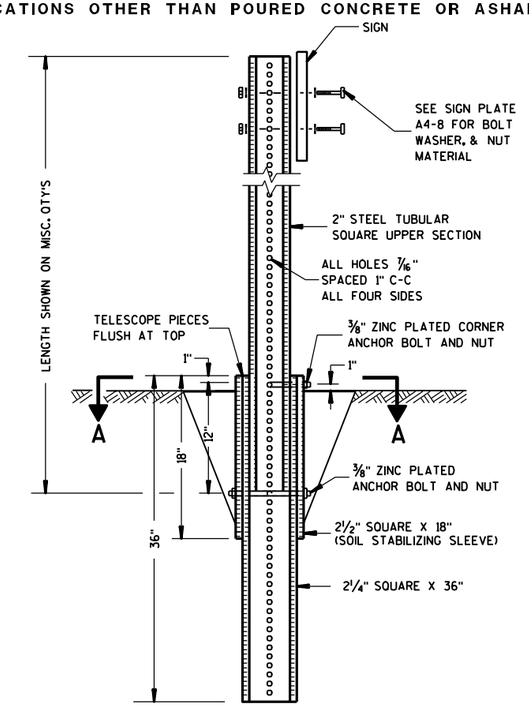
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

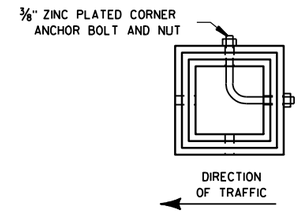


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



DETAIL OF TUBULAR STEEL SIGN POST
(IN LOCATIONS OTHER THAN POURED CONCRETE OR ASHALT)





SECTION A-A

Area of Sign Installation (Sq. Ft.)	Number of Required Posts
9 or less	1
Greater than 9 less than or equal to 18	2
Greater than 18 less than or equal to 27	3

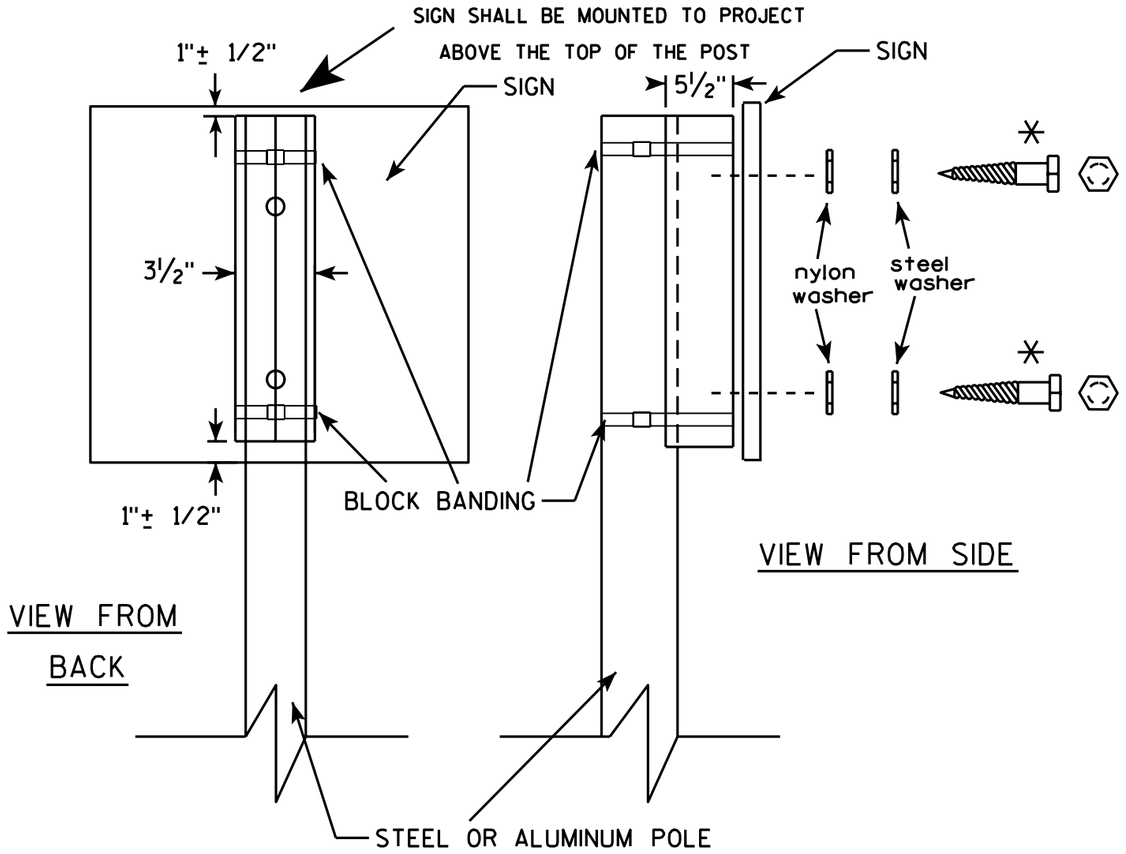
Signs wider than 3 feet or larger than 9 sq. ft shall be mounted on multiple posts (see above table).

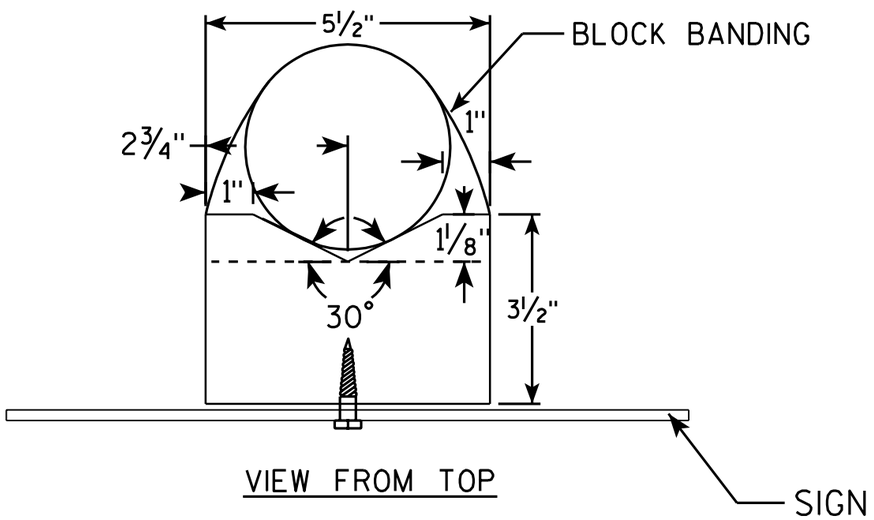
TUBULAR STEEL SIGN POST A4-9

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer
DATE 3/9/11 PLATE NO. A4-9.6

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 227	E





GENERAL NOTES

1. WOOD 4"X6" POST MATERIAL SHALL CONFORM TO 507.2.2 OF THE WisDOT STANDARD SPECIFICATIONS
2. BLOCK BANDING AND CLIPS SHALL BE STAINLESS STEEL, ¾" WIDTH AND 0.025" THICKNESS
3. SIGNS 3' OR GREATER IN HEIGHT SHALL UTILIZE 3 BLOCK BANDS. SIGNS UNDER 3' IN HEIGHT SHALL UTILIZE 2 BLOCK BANDS
4. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA, BUT NORNALLY THERE ARE TWO. FOR SIGNS GREATER THAN 9 S.F. 3 FASTENERS SHALL BE USED.
5. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D, or
   b. Cadmium plated in accordance with ASTM Designation : B 766 TYPE 3, Class 12, or
   c. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.
6. ALL BOLTS SHALL HAVE HEXAGONAL HEADS.
7. STEEL WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X 1/16"
8. NYLON WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X .080 FOR TYPE H OR TYPE F FACE SIGN

✳ LAG BOLTS SHALL BE ⅜" X 2½"

BLOCK BANDING DETAIL (V-BLOCK OPTION)

WISCONSIN DEPT OF TRANSPORTATION

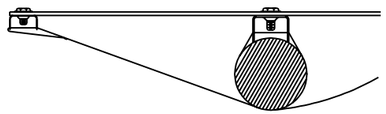
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/12/07 PLATE NO. A5-10.1

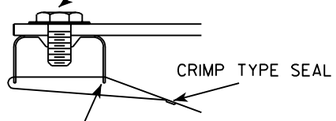
PROJECT NO:

SHEET NO: 228 E

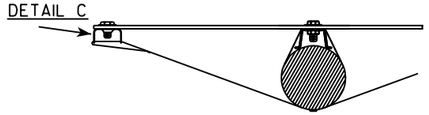
BRACE BANDING

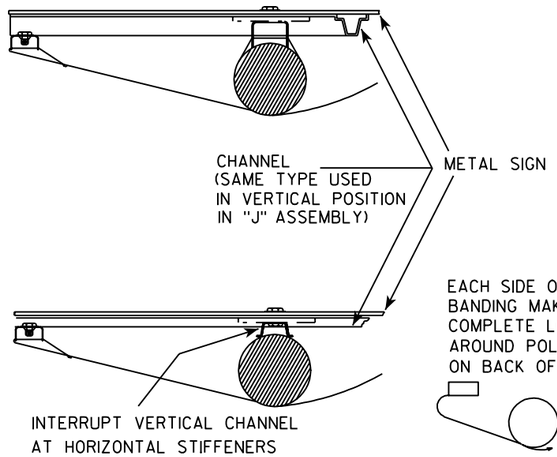


DETAIL C
CADMIUM PLATED STEEL BOLT
THROUGH BLACK BORDER



DETAIL C

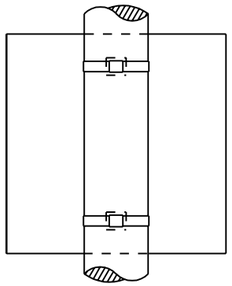


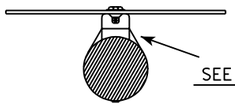


EACH SIDE OF BRACE
BANDING MAKES ONE
COMPLETE LOOP
AROUND POLE-SEAL
ON BACK OF POLE

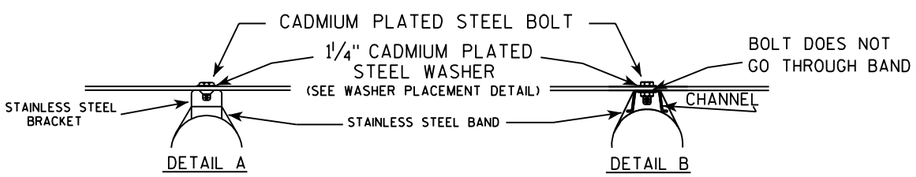
BRACKET BANDING

SINGLE SIGN





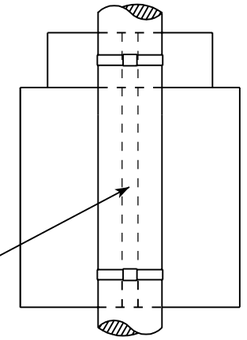
SEE DETAIL A



DETAIL A

DETAIL B

"J" ASSEMBLY

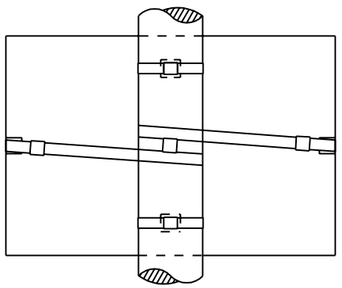


CHANNEL
SEE TYPICAL PANEL
INSTALLATION SHEET

SEE DETAIL B

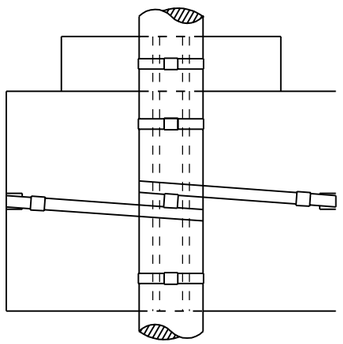
GENERAL NOTES

1. Signs 4' or greater in width shall have one brace band installed at the center of the sign.
2. Signs 3' or greater in height shall have three bracket bands installed. Signs less than 3' in height shall have two bracket bands installed.
3. Banding and assembly bracket shall be stainless steel. All bands shall be ¾" in width and 0.025" thickness.

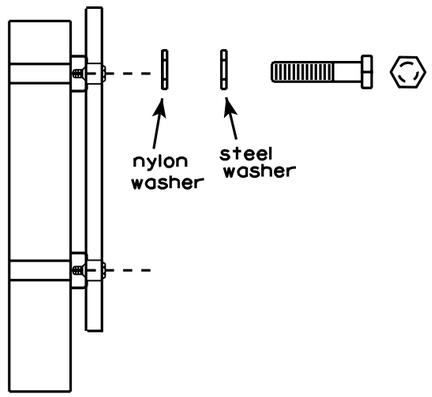


BRACE BANDING

BRACE BANDING SHALL BE TIGHTENED FIRMLY BUT NOT SO TIGHT AS TO APPRECIABLY CURVE FACE OF SIGN.



WASHER PLACEMENT



WASHERS (ALL POSTS) -
1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON
FOR ALL TYPE H SIGNS

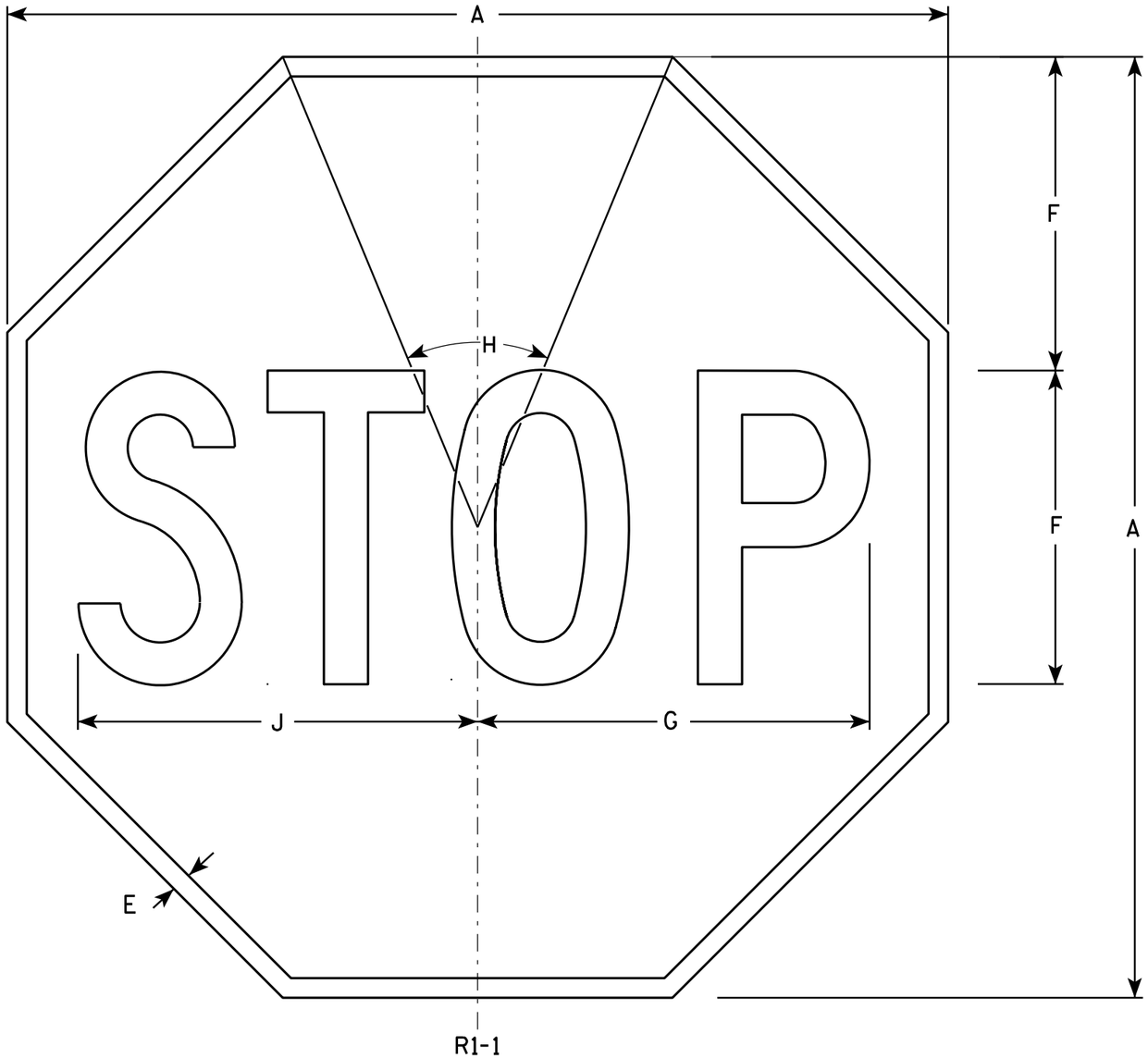
STANDARD SIGN
SIGN BANDING DETAILS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R Rauch*
for State Traffic Engineer

DATE 11/08/05 PLATE NO. A5-9.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 229	E



NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
   Message - White
3. Message Series - C

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24				3/8	8	10	45°		10 1/4																	3.31
2S	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2M	36				3/4	12	15	45°		15 3/8																	7.46
3	36				3/4	12	15	45°		15 3/8																	7.46
4	48				1	16	20	45°		20 1/2																	13.25
5	48				1	16	20	45°		20 1/2																	13.25
6	18				3/8	6	7 3/4	45°		7 3/4																	1.86
7	12				1/4	4	5	45°		5 1/8																	0.78

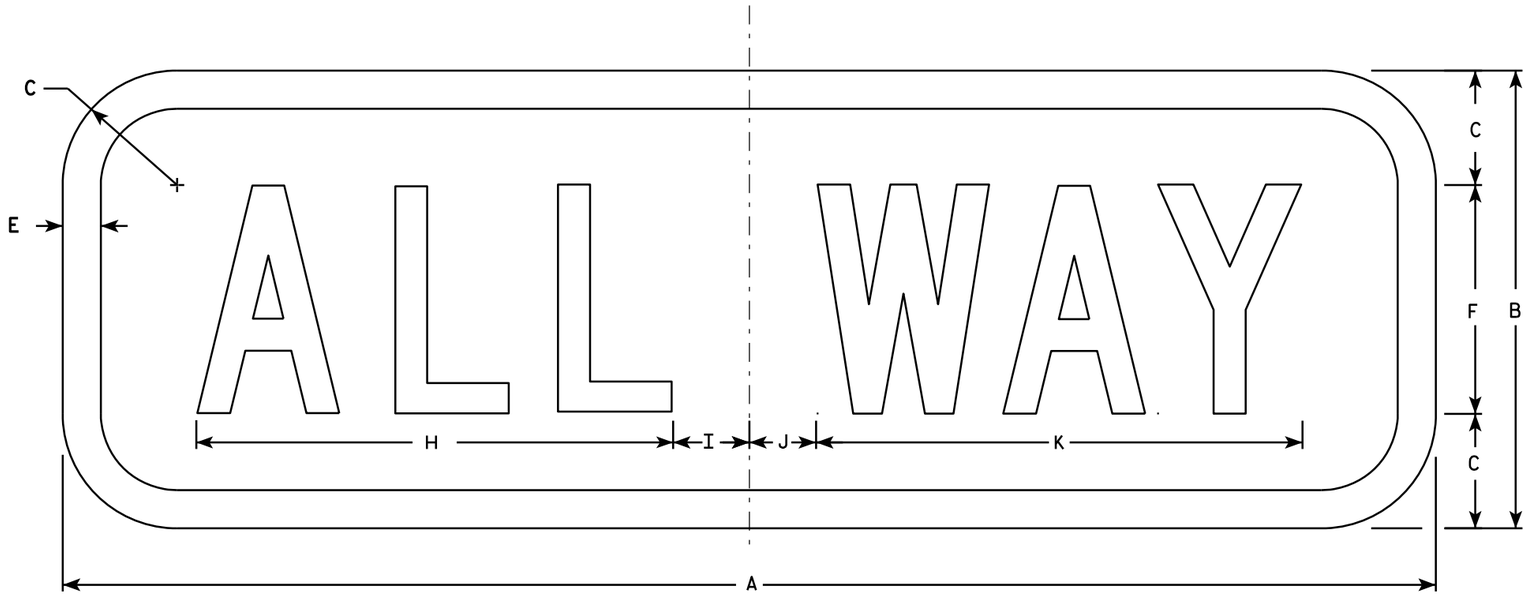
STANDARD SIGN
R1-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/03/10 PLATE NO. R1-1.12

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 230	E



R1-3P

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
   Message - White
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	6	1 1/2		1/2	3		6 1/4	1 1/4	7/8	6 3/8																0.75
2S	18	6	1 1/2		1/2	3		6 1/4	1 1/4	7/8	6 3/8																1.5
2M	24	9	1 1/2		1/2	5		9 1/4	1 1/4	3/4	9 3/4																1.5
3	30	12	2 1/4		5/8	6		11	2 1/4	1 1/2	11 3/4																2.5
4																											
5																											

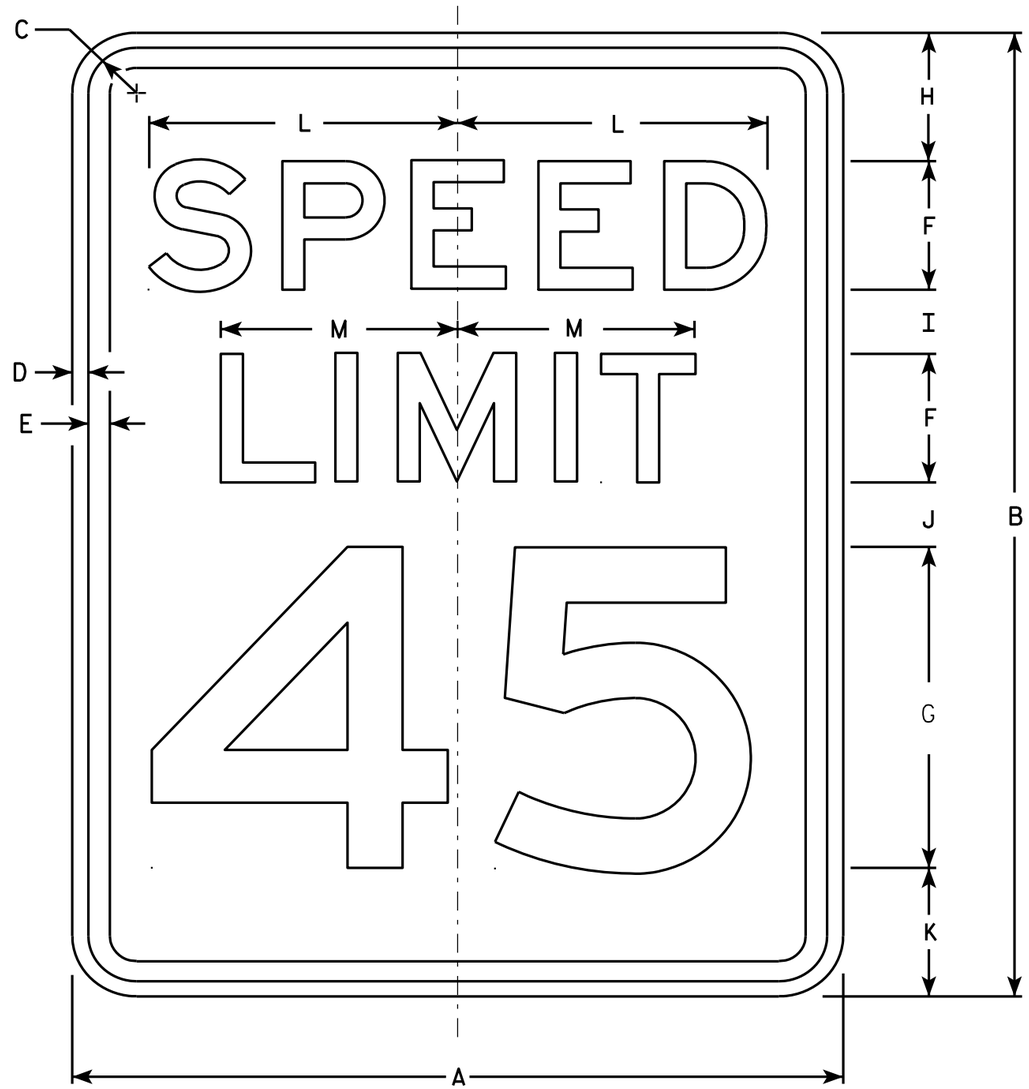
STANDARD SIGN
R1-3P

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/02/10 PLATE NO. R1-3P.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 231	E



R2-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals and optically adjust spacing to achieve proper balance.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	24	1 1/8	3/8	1/2	3	8	3	2	2	3	7 1/4	5 1/2														3.0
2S	24	30	1 1/8	3/8	1/2	4	10	3	2 1/4	3 3/8	3 3/8	9 5/8	7 3/8														5.0
2M	30	36	1 3/8	1/2	5/8	5	12	5	2 1/2	2 1/2	4	12	9 1/4														7.5
3	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
4	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
5	48	60	2 1/4	3/4	1	8	20	6	4 1/2	6 3/4	6 3/4	19 1/4	14 5/8														20.0

STANDARD SIGN
R2-1

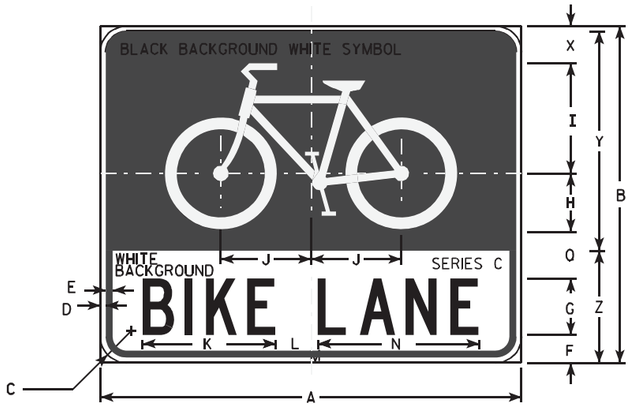
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

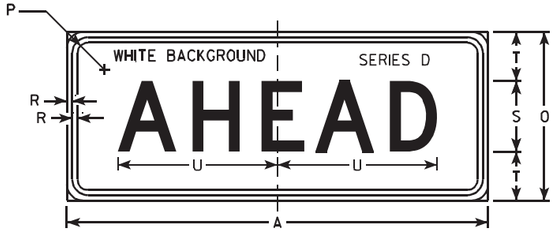
DATE 5/26/10 PLATE NO. R2-1.13

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 232 | E

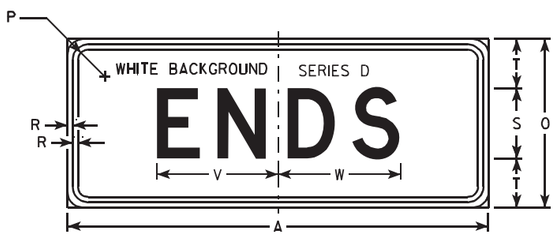
FILE NAME : C:\Users\PROJECTS\tr_stdplate\R21.DGN PLOT DATE : 28-MAY-2010 08:32 PLOT BY : ditjph PLOT NAME : PLOT SCALE : 4.717577:1.000000
WISDOT/CADDS SHEET 42



R3-17



R3-17ap



R3-17bp

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - AS SHOWN
   Message - BLACK
3. Message Series - C or as noted on the Signs.
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	R3-17 Area sq. ft.	R3-17ap Area sq. ft.	R3-17bp Area sq. ft.
1																													
2S	30	24	1 1/8	3/8	1/2	2	4	4 1/8	7 7/8	6 3/8	9 1/2	2 5/8	7/8	13	12	1 1/8	3 3/8	3/8	5	3 1/2	11 3/8	8 5/8	8 3/4	2 3/8	15 5/8	8	5.0	2.5	2.5
2M	30	24	1 1/8	3/8	1/2	2	4	4 1/8	7 7/8	6 3/8	9 1/2	2 5/8	7/8	13	12	1 1/8	3 3/8	3/8	5	3 1/2	11 3/8	8 5/8	8 3/4	2 3/8	15 5/8	8	5.0	2.5	2.5
3																													
4																													
5																													

STANDARD SIGN
R3-17 & R3-17a&bp
WISCONSIN DEPT OF TRANSPORTATION
APPROVED Matthew R Rauch
for State Traffic Engineer
DATE 4/12/2011 PLATE NO. R3-17.2

PROJECT NO:

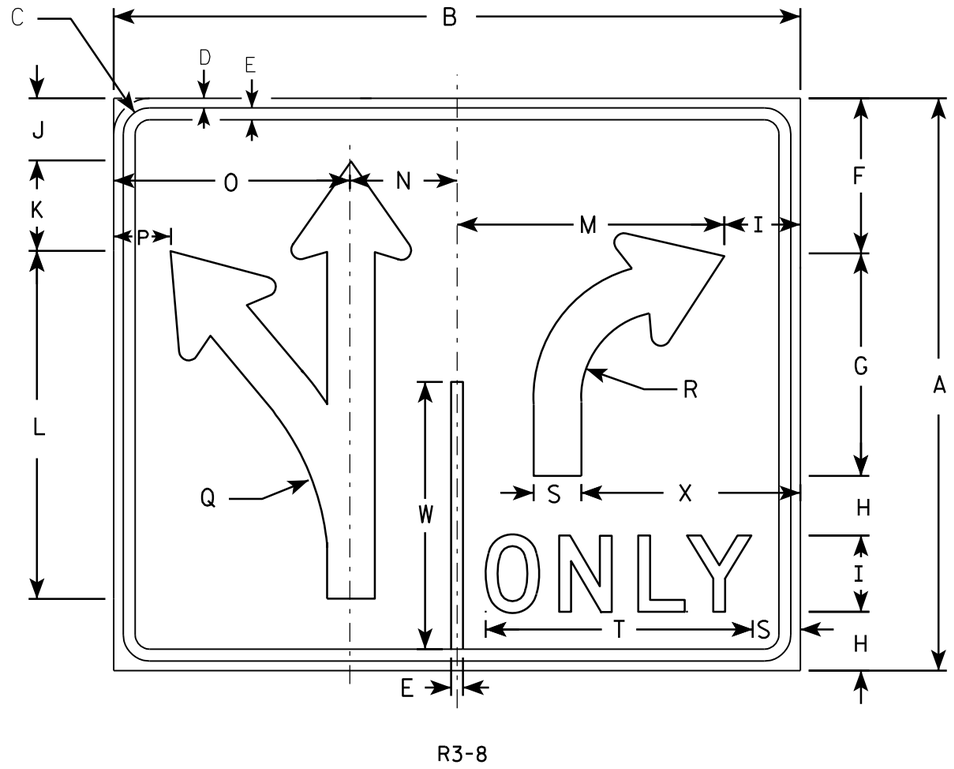
SHEET NO: E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R317.DGN PLOT DATE : 12-APR-2011 11:25 PLOT BY : mscsja

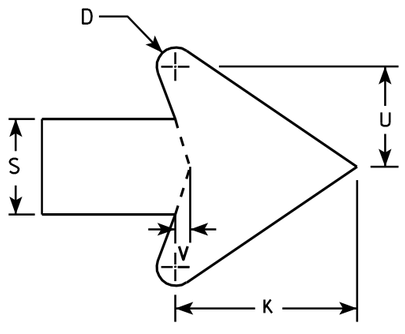
WISDOT/CADDS SHEET 42

7

7



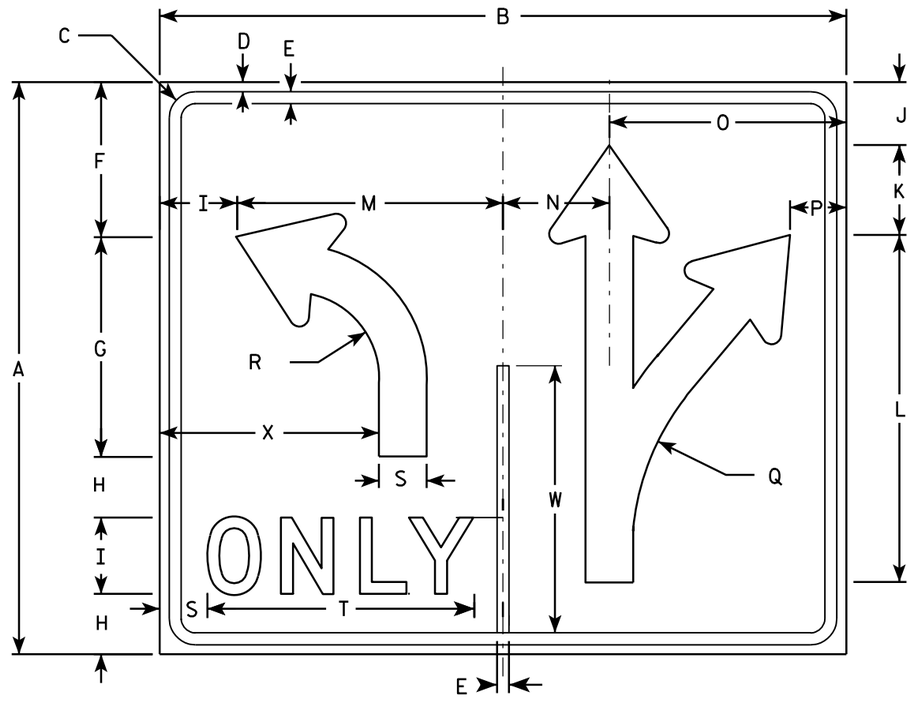
R3-8



ARROW DETAIL

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - WHITE
   Message - BLACK
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



R3-8A

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	36	1 3/8	1/2	5/8	8 1/8	11 5/8	3 1/8	4	3 1/4	4 3/4	18 1/4	14	5 5/8	12 3/8	3	13 1/4	4 1/2	2 1/2	14	2 5/8	3/8	14	11 1/2			7.5
2M	30	36	1 3/8	1/2	5/8	8 1/8	11 5/8	3 1/8	4	3 1/4	4 3/4	18 1/4	14	5 5/8	12 3/8	3	13 1/4	4 1/2	2 1/2	14	2 5/8	3/8	14	11 1/2			7.5
3																											
4	48	54	2 1/4	3/4	1	13 1/4	18 1/2	5 1/8	6	5 1/4	7 1/8	29 1/8	21	8 3/8	18 5/8	4 3/8	21 7/8	7 1/4	3 3/4	20 5/8	4	5/8	22 3/8	17 1/4			18.0
5	48	54	2 1/4	3/4	1	13 1/4	18 1/2	5 1/8	6	5 1/4	7 1/8	29 1/8	21	8 3/8	18 5/8	4 3/8	21 7/8	7 1/4	3 3/4	20 5/8	4	5/8	22 3/8	17 1/4			18.0

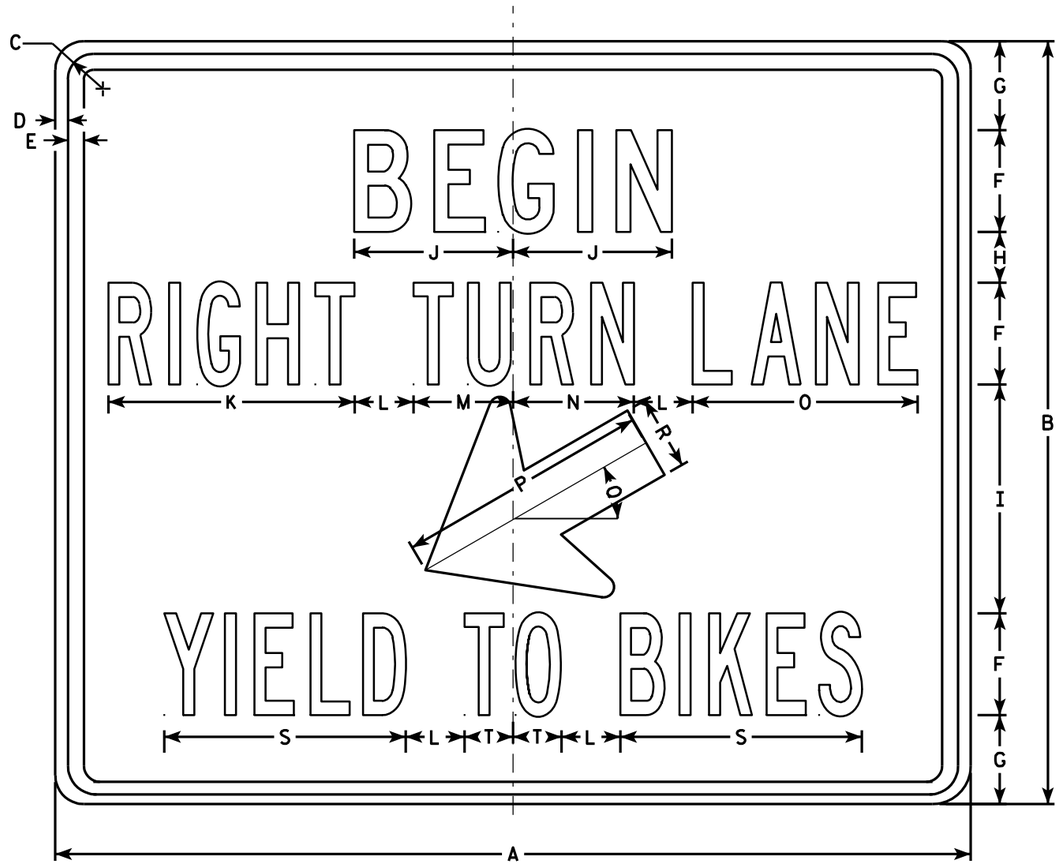
STANDARD SIGN
R3-8 & R3-8A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/2011 PLATE NO. R3-8.5

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 234	E



R4-4

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - See Note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Line 1 is Series C
   Lines 2 & 3 are Series B

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	36	30	1 3/8	1/2	5/8	4	3 1/2	2	9	6 1/4	9 3/4	2 3/8	3 7/8	4 3/4	8 7/8	10	30°	2 7/8	9 1/2	1 7/8							7.5
2M	36	30	1 3/8	1/2	5/8	4	3 1/2	2	9	6 1/4	9 3/4	2 3/8	3 7/8	4 3/4	8 7/8	10	30°	2 7/8	9 1/2	1 7/8							7.5
3																											
4																											
5																											

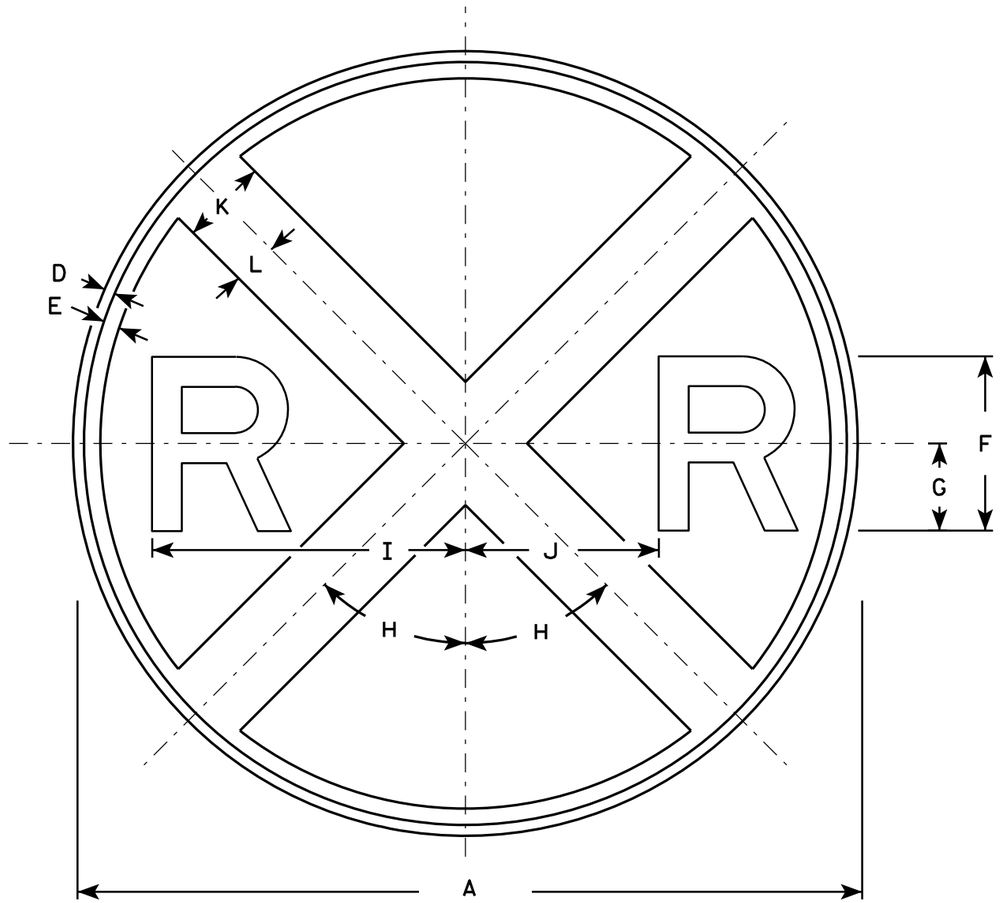
STANDARD SIGN
R4-4

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew L Rauch
for State Traffic Engineer

DATE 3/25/2011 PLATE NO. R4-4.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 235 | E



W10-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - E

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30			3/8	5/8	7	3 1/2	45°	12 3/8	7 1/8	3	1 1/2															4.91
2S	36			5/8	3/4	8	4	45°	14 3/8	8 5/8	4	2															7.07
2M	36			5/8	3/4	8	4	45°	14 3/8	8 5/8	4	2															7.07
3																											
4	48			3/4	1 1/4	10	5	45°	18 3/8	11 5/8	5	2 1/2															12.57
5																											

STANDARD SIGN
W10-1

WISCONSIN DEPT OF TRANSPORTATION

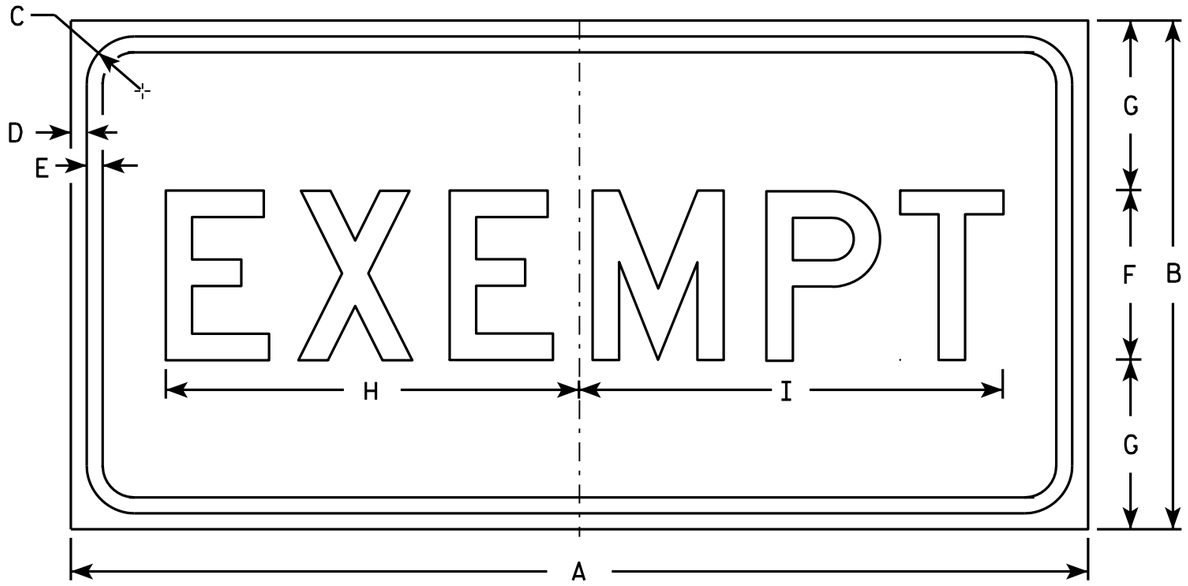
APPROVED Matthew R Rauch for State Traffic Engineer

DATE 3/15/11 PLATE NO. W10-1.7

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 236	E

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - See Note 5
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Background - R15-3 is White.
   W10-1A is Yellow.



R15-3
and
W10-1A

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 1/8	3/8	3/8	4	4	9 3/4	10																		2
2M	24	12	1 1/8	3/8	3/8	4	4	9 3/4	10																		2
3																											
4																											
5																											

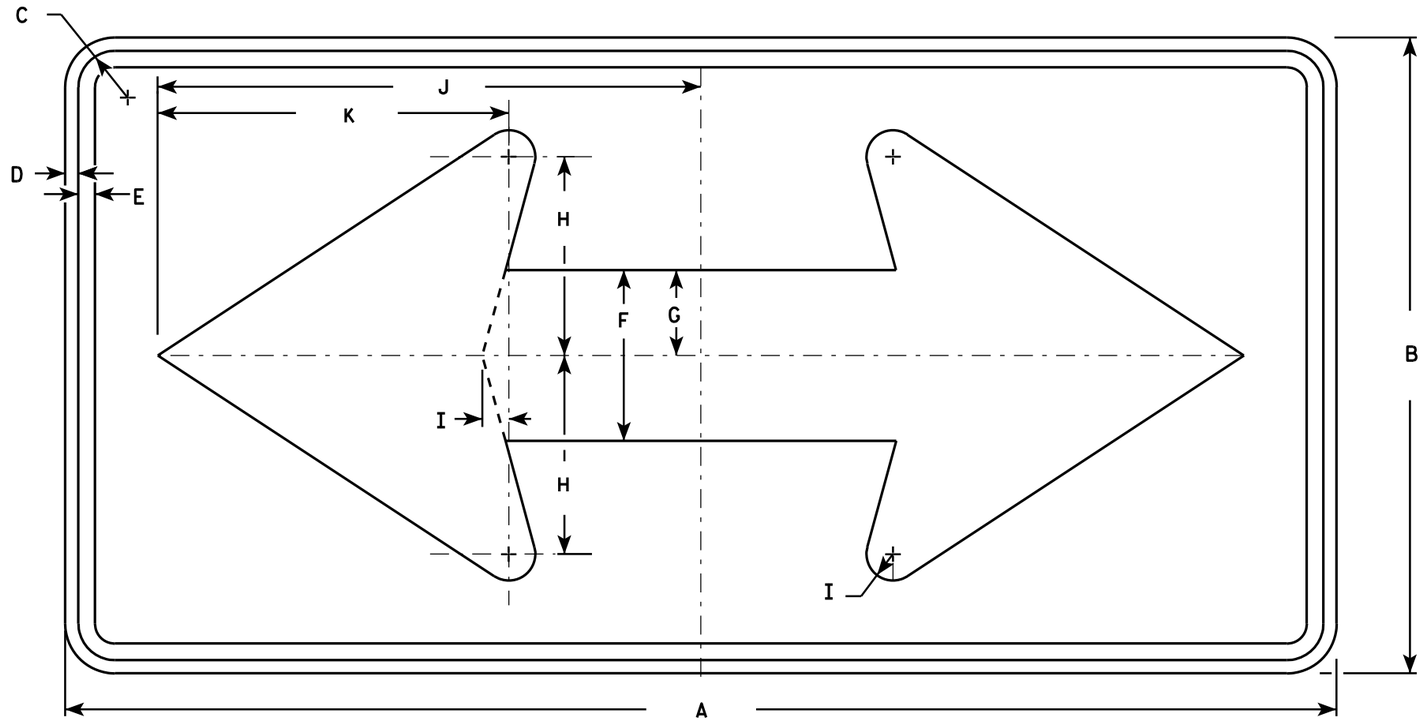
STANDARD SIGN
R15-3 & W10-1A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/15/11 PLATE NO. R15-3.6

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 237	E



W1-7

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	18	1 1/8	3/8	1/2	5	2 1/2	5 3/4	3/4	15 5/8	10 1/8																4.5
2S	48	24	1 3/8	1/2	5/8	6 1/2	3 1/4	7 1/2	1	20 1/2	13 1/4																8.0
2M	48	24	1 3/8	1/2	5/8	6 1/2	3 1/4	7 1/2	1	20 1/2	13 1/4																8.0
3	60	30	1 3/8	1/2	5/8	8	4	9 1/4	1 1/4	25 3/8	16 1/4																12.5
4	60	30	1 3/8	1/2	5/8	8	4	9 1/4	1 1/4	25 3/8	16 1/4																12.5
5	96	48	2 1/4	3/4	1	13	6 1/2	15	2	41	26 1/2																32.0

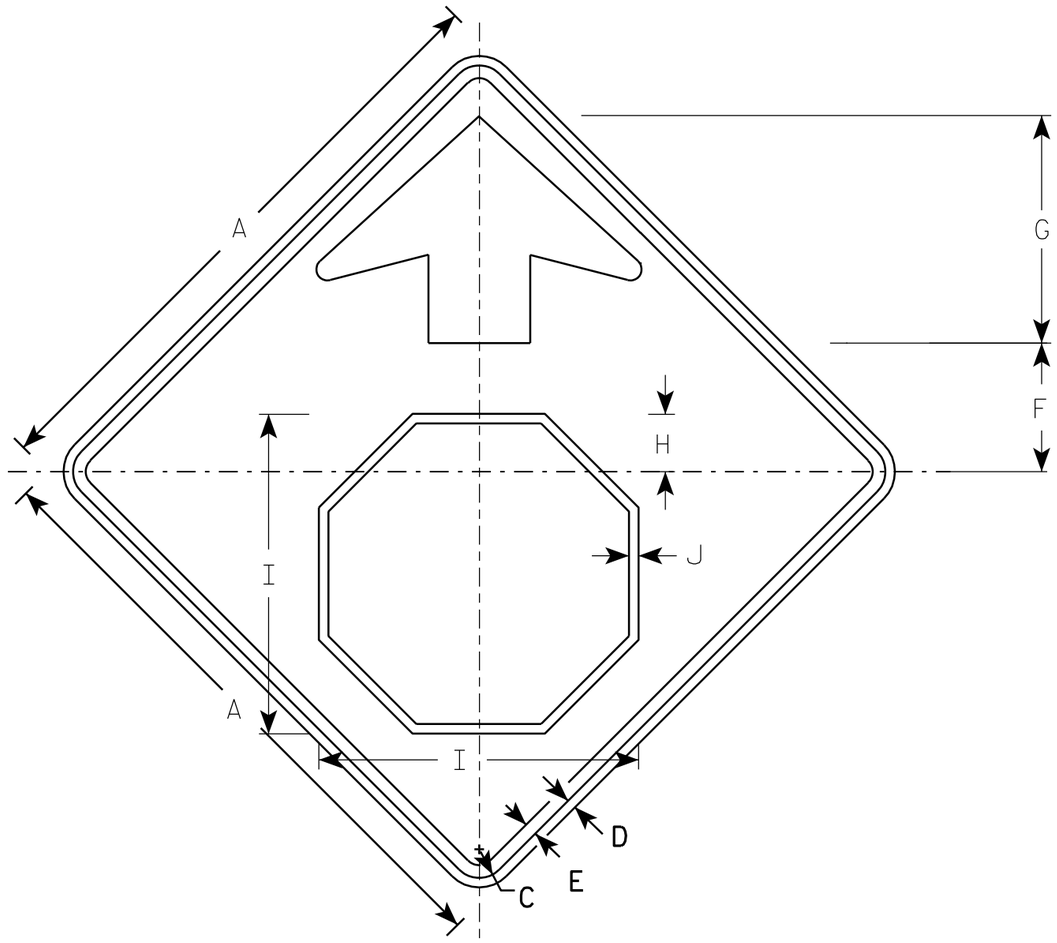
STANDARD SIGN
W1-7

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W1-7.7

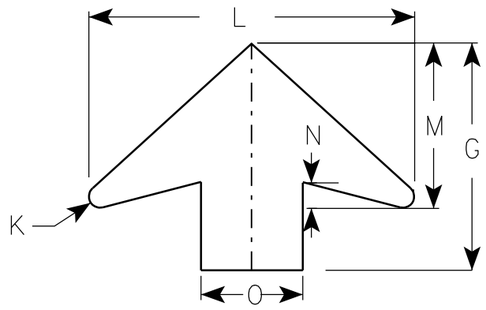
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 238 | E



W3-1

NOTES

1. All Signs Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - YELLOW
   Arrow & Border - BLACK
   Stop Symbol - WHITE BORDER ON RED BACKGROUND



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8	6 1/4	11 1/4	2 7/8	15 3/4	1/2	1/2	16	8	1 1/4	5												6.25
2S	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 5/8	6												9.0
2M	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 5/8	6												9.0
3	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 5/8	6												9.0
4	48		2 1/4	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0
5	48		2 1/4	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0

STANDARD SIGN
W3-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W3-1.12

PROJECT NO:

SHEET NO: 239 E

EISNER AVENUE

STATION	END AREA (S.F.)			UNADJUSTED VOLUME INCREMENTAL (C.Y.)			UNADJUSTED VOLUME CUMULATIVE (C.Y.)			SHRINKAGE/SWELL FACTORS			ADJUSTED VOLUME CUMULATIVE (C.Y.)			MASS HAUL (C.Y.)
	COMMON EXC.	ROCK EXC.	FILL	COMMON EXC.	ROCK EXC.	FILL	COMMON EXC.	ROCK EXC.	FILL	COMMON	ROCK	FILL	COMMON EXC.	ROCK EXC.	FILL	
10+27	4.01	0.0	0	0	0	0	0	0	0	1.00	1.11	1.30	0	0	0	0
10+50	16.6	0.0	0	9	0	0	9	0	0	1.00	1.11	1.30	9	0	0	9
10+98	58.11	0.0	0	66	0	0	75	0	0	1.00	1.11	1.30	75	0	0	75
11+00	56.94	0.0	0.91	4	0	0	79	0	0	1.00	1.11	1.30	79	0	0	79
11+15	59.19	0.0	0	32	0	0	112	0	0	1.00	1.11	1.30	112	0	0	111
11+50	80.71	0.0	2.2	91	0	1	202	0	2	1.00	1.11	1.30	202	0	2	200
12+00	107.51	0.0	0	174	0	2	377	0	4	1.00	1.11	1.30	377	0	5	372
12+25	120.1	0.0	0	105	0	0	482	0	4	1.00	1.11	1.30	482	0	5	477
12+50	113.62	0.0	3.14	108	0	1	590	0	5	1.00	1.11	1.30	590	0	7	583
13+00	91.48	0.0	4.32	190	0	7	780	0	12	1.00	1.11	1.30	780	0	16	764
13+50	40.56	0.0	4.64	122	0	8	902	0	20	1.00	1.11	1.30	902	0	27	876
13+54	38.19	0.0	4.94	6	0	1	908	0	21	1.00	1.11	1.30	908	0	27	881
14+00	30.03	0.0	12.72	58	0	15	966	0	36	1.00	1.11	1.30	966	0	47	919
14+28	38.05	0.0	0	35	0	7	1001	0	43	1.00	1.11	1.30	1001	0	56	946
14+50	29.93	0.0	47.96	28	0	20	1029	0	62	1.00	1.11	1.30	1029	0	81	948
15+00	62.9	0.0	11.77	86	0	55	1115	0	118	1.00	1.11	1.30	1115	0	153	962
15+06	67.37	0.0	8.81	14	0	2	1130	0	120	1.00	1.11	1.30	1130	0	156	974
15+50	100.84	0.0	5.39	137	0	12	1267	0	131	1.00	1.11	1.30	1267	0	171	1096
15+60	102.48	0.0	5.65	38	0	2	1304	0	134	1.00	1.11	1.30	1304	0	174	1131
16+00	111.22	0.0	1.94	158	0	6	1463	0	139	1.00	1.11	1.30	1463	0	181	1282
16+30	142.65	0.0	0	141	0	1	1604	0	140	1.00	1.11	1.30	1604	0	182	1421
16+50	122.71	0.0	0.63	98	0	0	1702	0	140	1.00	1.11	1.30	1702	0	183	1519
17+00	107.47	0.0	0.26	213	0	1	1915	0	141	1.00	1.11	1.30	1915	0	184	1731
17+09	108.66	0.0	0.12	34	0	0	1950	0	141	1.00	1.11	1.30	1950	0	184	1766
17+50	146.04	0.0	0	195	0	0	2145	0	141	1.00	1.11	1.30	2145	0	184	1961
18+00	145.4	0.0	0	270	0	0	2415	0	141	1.00	1.11	1.30	2415	0	184	2231
18+50	136.35	0.0	0.8	261	0	1	2675	0	142	1.00	1.11	1.30	2675	0	185	2491
18+85	154.47	0.0	5.32	188	0	4	2864	0	146	1.00	1.11	1.30	2864	0	190	2674
19+00	133.39	0.0	7.1	80	0	3	2944	0	150	1.00	1.11	1.30	2944	0	194	2749
19+50	157.84	0.0	2.11	270	0	9	3214	0	158	1.00	1.11	1.30	3214	0	206	3008
19+68	160.99	0.0	1.55	106	0	1	3320	0	159	1.00	1.11	1.30	3320	0	207	3113
20+00	152.91	0.0	0	186	0	1	3506	0	160	1.00	1.11	1.30	3506	0	208	3298
20+28	111.09	0.0	0.05	136	0	0	3642	0	160	1.00	1.11	1.30	3642	0	208	3433
20+50	155.94	0.0	0	110	0	0	3752	0	160	1.00	1.11	1.30	3752	0	208	3543
21+00	140.9	0.0	1.66	275	0	2	4026	0	162	1.00	1.11	1.30	4026	0	210	3816
21+50	132.11	0.0	0.21	253	0	2	4279	0	164	1.00	1.11	1.30	4279	0	213	4067
21+73	163.13	0.0	0	126	0	0	4405	0	164	1.00	1.11	1.30	4405	0	213	4192
22+00	139.09	0.0	0.12	151	0	0	4556	0	164	1.00	1.11	1.30	4556	0	213	4343
22+15	126.61	0.0	0.09	74	0	0	4630	0	164	1.00	1.11	1.30	4630	0	213	4417
22+35	148.12	0.0	0	102	0	0	4732	0	164	1.00	1.11	1.30	4732	0	213	4519
22+50	130.43	0.0	0.24	77	0	0	4809	0	164	1.00	1.11	1.30	4809	0	213	4596
23+00	125.22	0.0	1.05	237	0	1	5046	0	165	1.00	1.11	1.30	5046	0	215	4831
23+41	97.65	0.0	0.5	168	0	1	5213	0	166	1.00	1.11	1.30	5213	0	216	4997
23+50	97.65	0.0	0.01	34	0	0	5247	0	166	1.00	1.11	1.30	5247	0	216	5031
24+00	150.92	0.0	5.72	230	0	5	5477	0	172	1.00	1.11	1.30	5477	0	223	5254
24+50	128.76	0.0	3.77	259	0	9	5736	0	180	1.00	1.11	1.30	5736	0	235	5502
24+70	157.78	0.0	0.02	106	0	1	5843	0	182	1.00	1.11	1.30	5843	0	236	5606
25+00	120.89	0.0	4.21	155	0	2	5997	0	184	1.00	1.11	1.30	5997	0	239	5758
25+50	109.37	0.0	4.27	213	0	8	6211	0	192	1.00	1.11	1.30	6211	0	250	5961
25+80	116.6	0.0	1.27	126	0	3	6336	0	195	1.00	1.11	1.30	6336	0	254	6082
26+00	103.03	0.0	5.15	81	0	2	6417	0	197	1.00	1.11	1.30	6417	0	257	6161
26+50	135.08	0.0	1.82	220	0	6	6638	0	204	1.00	1.11	1.30	6638	0	265	6373
26+59	136.27	0.0	1.2	45	0	1	6683	0	204	1.00	1.11	1.30	6683	0	266	6417
27+00	117.12	0.0	1.7	192	0	2	6876	0	207	1.00	1.11	1.30	6876	0	269	6607
27+50	88.4	0.0	2.18	190	0	4	7066	0	210	1.00	1.11	1.30	7066	0	273	6793

EISNER AVENUE

STATION	END AREA (S.F.)			UNADJUSTED VOLUME INCREMENTAL (C.Y.)			UNADJUSTED VOLUME CUMULATIVE (C.Y.)			SHRINKAGE/SWELL FACTORS			ADJUSTED VOLUME CUMULATIVE (C.Y.)			MASS HAUL
	COMMON EXC.	ROCK EXC.	FILL	COMMON EXC.	ROCK EXC.	FILL	COMMON EXC.	ROCK EXC.	FILL	COMMON	ROCK	FILL	COMMON EXC.	ROCK EXC.	FILL	(C.Y.)
27+53	89.13	0.0	2.19	8	0	0	7074	0	210	1.00	1.11	1.30	7074	0	274	6801
28+00	121.81	0.0	0.38	185	0	2	7260	0	213	1.00	1.11	1.30	7260	0	276	6983
28+50	139.8	0.0	0.73	242	0	1	7502	0	214	1.00	1.11	1.30	7502	0	278	7224
28+80	157.2	0.0	0	165	0	0	7667	0	214	1.00	1.11	1.30	7667	0	278	7388
29+00	148.21	0.0	0	113	0	0	7780	0	214	1.00	1.11	1.30	7780	0	278	7502
29+35	123.81	0.0	0	176	0	0	7956	0	214	1.00	1.11	1.30	7956	0	278	7678
29+50	119.38	0.0	0	68	0	0	8024	0	214	1.00	1.11	1.30	8024	0	278	7745
29+63	112.67	0.0	0	56	0	0	8080	0	214	1.00	1.11	1.30	8080	0	278	7801
30+00	120.57	0.0	1.3	160	0	1	8239	0	215	1.00	1.11	1.30	8239	0	280	7960
30+30	137.3	0.0	0	143	0	1	8383	0	216	1.00	1.11	1.30	8383	0	280	8102
30+38	141.8	0.0	0.01	41	0	0	8424	0	216	1.00	1.11	1.30	8424	0	280	8144
30+50	139.69	0.0	0.04	63	0	0	8487	0	216	1.00	1.11	1.30	8487	0	280	8206
30+95	69.39	0.0	0.98	173	0	1	8659	0	217	1.00	1.11	1.30	8659	0	282	8378
31+00	0	0.0	0	7	0	0	8666	0	217	1.00	1.11	1.30	8666	0	282	8384
31+17	0	0.0	0	0	0	0	8666	0	217	1.00	1.11	1.30	8666	0	282	8384
31+39	95.86	0.0	0	39	0	0	8705	0	217	1.00	1.11	1.30	8705	0	282	8424
31+50	126.84	0.0	2.47	47	0	1	8752	0	217	1.00	1.11	1.30	8752	0	282	8470
32+00	109.96	0.0	0.69	219	0	3	8972	0	220	1.00	1.11	1.30	8972	0	286	8685
32+10	110.05	0.0	0.99	41	0	0	9012	0	220	1.00	1.11	1.30	9012	0	287	8726
32+50	123.03	0.0	0	173	0	1	9185	0	221	1.00	1.11	1.30	9185	0	288	8897
32+58	123.41	0.0	0	34	0	0	9219	0	221	1.00	1.11	1.30	9219	0	288	8932
32+85	114.24	0.0	0	121	0	0	9340	0	221	1.00	1.11	1.30	9340	0	288	9053
33+00	108.39	0.0	0	62	0	0	9402	0	221	1.00	1.11	1.30	9402	0	288	9115
33+13	91.33	0.0	0	50	0	0	9452	0	221	1.00	1.11	1.30	9452	0	288	9164
33+15	92.21	0.0	0	6	0	0	9458	0	221	1.00	1.11	1.30	9458	0	288	9171
33+50	129.34	0.0	0	142	0	0	9600	0	221	1.00	1.11	1.30	9600	0	288	9313
34+00	122.26	0.0	0	233	0	0	9833	0	221	1.00	1.11	1.30	9833	0	288	9546
34+50	120.36	0.0	0	225	0	0	10058	0	221	1.00	1.11	1.30	10058	0	288	9771
35+00	109.01	0.0	0.01	212	0	0	10270	0	221	1.00	1.11	1.30	10270	0	288	9983
35+10	104.32	0.0	0.95	40	0	0	10310	0	221	1.00	1.11	1.30	10310	0	288	10022
35+50	124.68	0.0	0	170	0	1	10480	0	222	1.00	1.11	1.30	10480	0	289	10191
35+75	146.47	0.0	0	126	0	0	10605	0	222	1.00	1.11	1.30	10605	0	289	10316
36+00	139.59	0.0	0	132	0	0	10738	0	222	1.00	1.11	1.30	10738	0	289	10449
36+30	129.29	0.0	0	149	0	0										
36+50	158.38	0.0	0	107	0	0	10993	0	222	1.00	1.11	1.30	10993	0	289	10705
37+00	145.54	0.0	0	281	0	0	11275	0	222	1.00	1.11	1.30	11275	0	289	10986
37+50	127.17	0.0	0.81	253	0	1	11527	0	223	1.00	1.11	1.30	11527	0	290	11238
37+75	95.08	0.0	7.31	103	0	4	11630	0	227	1.00	1.11	1.30	11630	0	295	11336
38+00	88.74	0.0	4.56	85	0	5	11715	0	232	1.00	1.11	1.30	11715	0	302	11414
38+40	79.66	0.0	2.44	124	0	5	11840	0	237	1.00	1.11	1.30	11840	0	308	11531
38+50	77.43	0.0	1.83	29	0	1	11869	0	238	1.00	1.11	1.30	11869	0	309	11560
39+00	74.94	0.0	8.34	141	0	9	12010	0	247	1.00	1.11	1.30	12010	0	322	11689
39+40	74.01	0.0	0.35	110	0	6	12121	0	254	1.00	1.11	1.30	12121	0	330	11791
39+50	72.36	0.0	0	27	0	0	12148	0	254	1.00	1.11	1.30	12148	0	330	11818
40+00	55.43	0.0	10.51	118	0	10	12266	0	264	1.00	1.11	1.30	12266	0	343	11923
40+50	59.52	0.0	7.88	106	0	17	12372	0	281	1.00	1.11	1.30	12372	0	365	12008
40+60	64.48	0.0	7.94	23	0	3	12395	0	284	1.00	1.11	1.30	12395	0	369	12027
41+00	94.27	0.0	5.72	118	0	10	12513	0	294	1.00	1.11	1.30	12513	0	382	12131
41+50	117.78	0.0	3.58	196	0	9	12709	0	302	1.00	1.11	1.30	12709	0	393	12316
41+60	134.6	0.0	0.6	47	0	1	12756	0	303	1.00	1.11	1.30	12756	0	394	12362
42+00	132.59	0.0	0	198	0	0	12954	0	304	1.00	1.11	1.30	12954	0	395	12559
42+12	149.67	0.0	0	63	0	0	13017	0	304	1.00	1.11	1.30	13017	0	395	12622
42+34	100.97	0.0	0	103	0	0	13120	0	304	1.00	1.11	1.30	13120	0	395	12725
42+50	96.3	0.0	0	58	0	0	13178	0	304	1.00	1.11	1.30	13178	0	395	12783
43+00	99.32	0.0	1.17	181	0	1	13359	0	305	1.00	1.11	1.30	13359	0	396	12963

EISNER AVENUE

STATION	END AREA (S.F.)			UNADJUSTED VOLUME INCREMENTAL (C.Y.)			UNADJUSTED VOLUME CUMULATIVE (C.Y.)			SHRINKAGE/SWELL FACTORS			ADJUSTED VOLUME CUMULATIVE (C.Y.)			MASS HAUL (C.Y.)
	COMMON EXC.	ROCK EXC.	FILL	COMMON EXC.	ROCK EXC.	FILL	COMMON EXC.	ROCK EXC.	FILL	COMMON	ROCK	FILL	COMMON EXC.	ROCK EXC.	FILL	
43+50	85.88	0.0	0	171	0	1	13530	0	306	1.00	1.11	1.30	13530	0	398	13133
43+69	81.41	0.0	1.23	58	0	0	13588	0	306	1.00	1.11	1.30	13588	0	398	13190
44+00	87.7	0.0	2.1	98	0	2	13686	0	308	1.00	1.11	1.30	13686	0	401	13286
44+25	87.11	0.0	1.44	81	0	2	13767	0	310	1.00	1.11	1.30	13767	0	403	13364
44+50	87.53	0.0	3.1	81	0	2	13848	0	312	1.00	1.11	1.30	13848	0	405	13442
44+65	86.39	0.0	4.37	48	0	2	13896	0	314	1.00	1.11	1.30	13896	0	408	13488
45+00	94.02	0.0	0	117	0	3	14013	0	317	1.00	1.11	1.30	14013	0	412	13601
45+35	113.76	0.0	0	135	0	0	14148	0	317	1.00	1.11	1.30	14148	0	412	13736
45+50	110.42	0.0	0	62	0	0	14210	0	317	1.00	1.11	1.30	14210	0	412	13798
46+00	126.38	0.0	0	219	0	0	14429	0	317	1.00	1.11	1.30	14429	0	412	14018
46+15	124.6	0.0	0	70	0	0	14499	0	317	1.00	1.11	1.30	14499	0	412	14087
46+50	127.34	0.0	0	163	0	0	14662	0	317	1.00	1.11	1.30	14662	0	412	14251
47+00	126.7	0.0	0.06	235	0	0	14898	0	317	1.00	1.11	1.30	14898	0	412	14486
47+25	130.71	0.0	0.48	119	0	0	15017	0	317	1.00	1.11	1.30	15017	0	412	14605
47+50	132.26	0.0	0	122	0	0	15138	0	317	1.00	1.11	1.30	15138	0	412	14726
47+65	127.92	0.0	0	72	0	0	15211	0	317	1.00	1.11	1.30	15211	0	412	14798
48+00	121.67	0.0	0.08	162	0	0	15373	0	317	1.00	1.11	1.30	15373	0	413	14960
48+50	103.64	0.0	0.97	209	0	1	15581	0	318	1.00	1.11	1.30	15581	0	414	15167
48+85	91.19	0.0	0.98	127	0	1	15708	0	320	1.00	1.11	1.30	15708	0	415	15292
49+00	85.06	0.0	1.33	49	0	1	15756	0	320	1.00	1.11	1.30	15756	0	416	15340
49+50	89.58	0.0	3.04	162	0	4	15918	0	324	1.00	1.11	1.30	15918	0	422	15497
49+90	95.63	0.0	0	137	0	2	16055	0	327	1.00	1.11	1.30	16055	0	424	15631
50+00	96.66	0.0	0	36	0	0	16091	0	327	1.00	1.11	1.30	16091	0	424	15666
50+04	96.27	0.0	0	14	0	0	16105	0	327	1.00	1.11	1.30	16105	0	424	15681
50+50	103.76	0.0	0.26	170	0	0	16276	0	327	1.00	1.11	1.30	16276	0	425	15851
51+00	110.58	0.0	0	198	0	0	16474	0	327	1.00	1.11	1.30	16474	0	425	16049
51+50	117.55	0.0	0	211	0	0	16685	0	327	1.00	1.11	1.30	16685	0	425	16260
51+88	132.9	0.0	0.86	176	0	1	16862	0	328	1.00	1.11	1.30	16862	0	426	16436
52+00	114.09	0.0	0	55	0	0	16916	0	328	1.00	1.11	1.30	16916	0	426	16490
52+10	111.19	0.0	0	41	0	0	16958	0	328	1.00	1.11	1.30	16958	0	426	16532
52+50	153.48	0.0	0	197	0	0	17154	0	328	1.00	1.11	1.30	17154	0	426	16728
52+70	202.06	0.0	0	132	0	0	17286	0	328	1.00	1.11	1.30	17286	0	426	16860
53+00	162.99	0.0	0	203	0	0	17489	0	328	1.00	1.11	1.30	17489	0	426	17063
53+50	177.52	0.0	0	315	0	0	17804	0	328	1.00	1.11	1.30	17804	0	426	17378
53+70	202.73	0.0	0	141	0	0	17945	0	328	1.00	1.11	1.30	17945	0	426	17519
54+00	188.2	0.0	0	217	0	0	18162	0	328	1.00	1.11	1.30	18162	0	426	17736
54+50	189.41	0.0	0	350	0	0	18512	0	328	1.00	1.11	1.30	18512	0	426	18086
54+80	205.78	0.0	0	220	0	0	18731	0	328	1.00	1.11	1.30	18731	0	426	18305
55+00	202.77	0.0	0	151	0	0	18883	0	328	1.00	1.11	1.30	18883	0	426	18456
55+50	169.52	0.0	0	345	0	0	19227	0	328	1.00	1.11	1.30	19227	0	426	18801
55+66	168.15	0.0	0	99	0	0	19326	0	328	1.00	1.11	1.30	19326	0	426	18900
56+00	204.89	0.0	0.06	236	0	0	19562	0	328	1.00	1.11	1.30	19562	0	426	19136
56+50	204.22	0.0	0	379	0	0	19941	0	328	1.00	1.11	1.30	19941	0	426	19515
56+60	213.4	0.0	0	77	0	0	20018	0	328	1.00	1.11	1.30	20018	0	426	19592
57+00	214.1	0.0	0	317	0	0	20335	0	328	1.00	1.11	1.30	20335	0	426	19909
57+50	218.53	0.0	0	401	0	0	20736	0	328	1.00	1.11	1.30	20736	0	426	20309
58+00	212.52	0.0	0	399	0	0	21135	0	328	1.00	1.11	1.30	21135	0	426	20709
58+50	224.41	0.0	0	405	0	0	21539	0	328	1.00	1.11	1.30	21539	0	426	21113
58+89	139.94	0.0	0	262	0	0	21801	0	328	1.00	1.11	1.30	21801	0	426	21375
58+98	141.99	0.0	0	46	0	0	21847	0	328	1.00	1.11	1.30	21847	0	426	21421
59+00	141.64	0.0	0	13	0	0	21860	0	328	1.00	1.11	1.30	21860	0	426	21433
59+50	236.37	0.0	0	350	0	0	22210	0	328	1.00	1.11	1.30	22210	0	426	21783
59+92	241.16	0.0	0	371	0	0	22581	0	328	1.00	1.11	1.30	22581	0	426	22155
60+00	245.63	0.0	0	72	0	0	22653	0	328	1.00	1.11	1.30	22653	0	426	22227
60+50	213.84	0.0	0	425	0	0	23079	0	328	1.00	1.11	1.30	23079	0	426	22652

FILE NAME: l:\work\60164548\000_cadd\civil\090101_ew.dgn
BATCH PRINT SHEET 3 OF 9
PRINTER DRIVER: L:\library\TPN_CADstds\Workspace-Clients\WisDOT\Microstation\Resources\MS_Printing\Printer_Drivers\ET_PDF_11 x 17.plt
PEN TABLE: L:\work\60164548\000_CADD\CIVIL\MS_Printing\Pen_Tables\ET_WisDOT.tbl
PLOT DATE: 10/23/2012
PLOT TIME: 10:26:25 AM
PLOT SCALE: 1:2
WISDOT/CADDS SHEET 21

EISNER AVENUE

STATION	END AREA (S.F.)			UNADJUSTED VOLUME INCREMENTAL (C.Y.)			UNADJUSTED VOLUME CUMULATIVE (C.Y.)			SHRINKAGE/SWELL FACTORS			ADJUSTED VOLUME CUMULATIVE (C.Y.)			MASS HAUL (C.Y.)
	COMMON EXC.	ROCK EXC.	FILL	COMMON EXC.	ROCK EXC.	FILL	COMMON EXC.	ROCK EXC.	FILL	COMMON	ROCK	FILL	COMMON EXC.	ROCK EXC.	FILL	
61+00	204.99	0.0	0	388	0	0	23466	0	328	1.00	1.11	1.30	23466	0	426	23040
61+36	201.87	0.0	0	271	0	0	23738	0	328	1.00	1.11	1.30	23738	0	426	23311
61+50	207.52	0.0	0	106	0	0	23844	0	328	1.00	1.11	1.30	23844	0	426	23418
61+60	213.14	0.0	0	78	0	0	23922	0	328	1.00	1.11	1.30	23922	0	426	23496
62+00	189.07	0.0	0	298	0	0	24220	0	328	1.00	1.11	1.30	24220	0	426	23793
62+50	194.79	0.0	0	355	0	0	24575	0	328	1.00	1.11	1.30	24575	0	426	24149
62+80	219.36	0.0	0	230	0	0	24805	0	328	1.00	1.11	1.30	24805	0	426	24379
63+00	199.97	0.0	0	155	0	0	24961	0	328	1.00	1.11	1.30	24961	0	426	24534
63+50	190.81	0.0	0	362	0	0	25322	0	328	1.00	1.11	1.30	25322	0	426	24896
64+00	121.8	0.0	0	289	0	0	25612	0	328	1.00	1.11	1.30	25612	0	426	25186
64+03	120.85	0.0	0	12	0	0	25624	0	328	1.00	1.11	1.30	25624	0	426	25198
64+50	137.86	0.0	0.29	226	0	0	25851	0	328	1.00	1.11	1.30	25851	0	427	25424
65+00	77.58	0.0	3.77	199	0	4	26050	0	332	1.00	1.11	1.30	26050	0	431	25619
65+50	62.19	0.0	15.27	129	0	18	26179	0	350	1.00	1.11	1.30	26179	0	454	25725
66+00	41.99	0.0	34.72	96	0	46	26276	0	396	1.00	1.11	1.30	26276	0	515	25761
66+50	45.9	0.0	10.61	81	0	42	26357	0	438	1.00	1.11	1.30	26357	0	569	25788
		Column totals		26357		438										

N. 8TH ST.

STATION	END AREA (S.F.)			UNADJUSTED VOLUME INCREMENTAL (C.Y.)			UNADJUSTED VOLUME CUMULATIVE (C.Y.)			SHRINKAGE/SWELL FACTORS			ADJUSTED VOLUME CUMULATIVE (C.Y.)			MASS HAUL (C.Y.)
	COMMON EXC.	ROCK EXC.	FILL	COMMON EXC.	ROCK EXC.	FILL	COMMON EXC.	ROCK EXC.	FILL	COMMON	ROCK	FILL	COMMON EXC.	ROCK EXC.	FILL	
67+00	59.08	0.0	6.84	0	0	0	0	0	0	1.00	1.11	1.30	0	0	0	0
67+50	51.14	0.0	10.49	102	0	16	102	0	16	1.00	1.11	1.30	102	0	21	81
68+00	32.35	0.0	16.9	77	0	25	179	0	41	1.00	1.11	1.30	179	0	54	126
68+50	27.65	0.0	11.42	56	0	26	235	0	68	1.00	1.11	1.30	235	0	88	147
68+54	28.59	0.0	10.6	4	0	2	239	0	69	1.00	1.11	1.30	239	0	90	149
68+70	35.81	0.0	10.02	19	0	6	258	0	75	1.00	1.11	1.30	258	0	98	160
68+74	37.88	0.0	11.03	5	0	2	264	0	77	1.00	1.11	1.30	264	0	100	164
69+00	46.89	0.0	4.73	41	0	8	304	0	85	1.00	1.11	1.30	304	0	110	195
69+13	51.32	0.0	5.86	24	0	3	328	0	87	1.00	1.11	1.30	328	0	113	215
69+50	30.95	0.0	8.59	56	0	10	384	0	97	1.00	1.11	1.30	384	0	126	258
69+90	41.24	0.0	7.68	53	0	12	438	0	109	1.00	1.11	1.30	438	0	142	296
70+00	46.42	0.0	6.69	16	0	3	454	0	112	1.00	1.11	1.30	454	0	145	309
70+50	57.29	0.0	2.22	96	0	8	550	0	120	1.00	1.11	1.30	550	0	156	394
70+59	54.83	0.0	0.44	18	0	0	568	0	120	1.00	1.11	1.30	568	0	156	412
10+16	257.95	0.0	0	0	0	0	568	0	120	1.00	1.11	1.30	568	0	156	412
10+38	177.28	0.0	0	181	0	0	749	0	120	1.00	1.11	1.30	749	0	156	592
10+50	164.86	0.0	0.01	73	0	0	822	0	120	1.00	1.11	1.30	822	0	156	666
10+60	119.51	0.0	0.01	51	0	0	873	0	120	1.00	1.11	1.30	873	0	156	717
10+91	80.58	0.0	0.05	116	0	0	989	0	120	1.00	1.11	1.30	989	0	157	832
11+00	69.07	0.0	0	25	0	0	1014	0	120	1.00	1.11	1.30	1014	0	157	858
11+21	53.37	0.0	0	48	0	0	1062	0	120	1.00	1.11	1.30	1062	0	157	905
11+50	39.95	0.0	0	50	0	0	1112	0	120	1.00	1.11	1.30	1112	0	157	955
11+89	27.72	0.0	1.66	48	0	1	1160	0	122	1.00	1.11	1.30	1160	0	158	1002
		Column totals		1160		122										

20TH PL.

STATION	END AREA (S.F.)			UNADJUSTED VOLUME INCREMENTAL (C.Y.)			UNADJUSTED VOLUME CUMULATIVE (C.Y.)			SHRINKAGE/SWELL FACTORS			ADJUSTED VOLUME CUMULATIVE (C.Y.)			MASS HAUL (C.Y.)
	COMMON EXC.	ROCK EXC.	FILL	COMMON EXC.	ROCK EXC.	FILL	COMMON EXC.	ROCK EXC.	FILL	COMMON	ROCK	FILL	COMMON EXC.	ROCK EXC.	FILL	
10+17	109.72	0.0	0	0	0	0	0	0	0	1.00	1.11	1.30	0	0	0	0
10+50	33.4	0.0	3.27	88	0	2	88	0	2	1.00	1.11	1.30	88	0	3	85
10+63	29.41	0.0	0	15	0	1	103	0	3	1.00	1.11	1.30	103	0	4	100
		Column totals		103		3										

20TH ST.

STATION	END AREA (S.F.)			UNADJUSTED VOLUME INCREMENTAL (C.Y.)			UNADJUSTED VOLUME CUMULATIVE (C.Y.)			SHRINKAGE/SWELL FACTORS			ADJUSTED VOLUME CUMULATIVE (C.Y.)			MASS HAUL (C.Y.)
	COMMON EXC.	ROCK EXC.	FILL	COMMON EXC.	ROCK EXC.	FILL	COMMON EXC.	ROCK EXC.	FILL	COMMON	ROCK	FILL	COMMON EXC.	ROCK EXC.	FILL	
10+16	189.2	0.0	0	0	0	0	0	0	0	1.00	1.11	1.30	0	0	0	0
10+50	80.22	0.0	0	170	0	0	170	0	0	1.00	1.11	1.30	170	0	0	170
11+00	42.66	0.0	0.1	114	0	0	283	0	0	1.00	1.11	1.30	283	0	0	283
11+25	34.72	0.0	1.63	36	0	1	319	0	1	1.00	1.11	1.30	319	0	1	318
11+50	25.94	0.0	0	28	0	1	347	0	2	1.00	1.11	1.30	347	0	2	345
		Column totals		347		2										

19TH ST.

STATION	END AREA (S.F.)			UNADJUSTED VOLUME INCREMENTAL (C.Y.)			UNADJUSTED VOLUME CUMULATIVE (C.Y.)			SHRINKAGE/SWELL FACTORS			ADJUSTED VOLUME CUMULATIVE (C.Y.)			MASS HAUL (C.Y.)
	COMMON EXC.	ROCK EXC.	FILL	COMMON EXC.	ROCK EXC.	FILL	COMMON EXC.	ROCK EXC.	FILL	COMMON	ROCK	FILL	COMMON EXC.	ROCK EXC.	FILL	
10+16	226.53	0.0	0	0	0	0	0	0	0	1.00	1.11	1.30	0	0	0	0
10+50	93.41	0.0	0	201	0	0	201	0	0	1.00	1.11	1.30	201	0	0	201
10+85	57.03	0.0	0	98	0	0	299	0	0	1.00	1.11	1.30	299	0	0	299
11+00	42.17	0.0	0	28	0	0	326	0	0	1.00	1.11	1.30	326	0	0	326
11+25	34.77	0.0	0	36	0	0	362	0	0	1.00	1.11	1.30	362	0	0	362
		Column totals		362		0										

HUBERT CIRCLE

STATION	END AREA (S.F.)			UNADJUSTED VOLUME INCREMENTAL (C.Y.)			UNADJUSTED VOLUME CUMULATIVE (C.Y.)			SHRINKAGE/SWELL FACTORS			ADJUSTED VOLUME CUMULATIVE (C.Y.)			MASS HAUL (C.Y.)
	COMMON EXC.	ROCK EXC.	FILL	COMMON EXC.	ROCK EXC.	FILL	COMMON EXC.	ROCK EXC.	FILL	COMMON	ROCK	FILL	COMMON EXC.	ROCK EXC.	FILL	
10+16	121.11	0.0	0	0	0	0	0	0	0	1.00	1.11	1.30	0	0	0	0
10+50	38.11	0.0	0	100	0	0	100	0	0	1.00	1.11	1.30	100	0	0	100
10+75	48.93	0.0	0	40	0	0	140	0	0	1.00	1.11	1.30	140	0	0	140
11+00	32.75	0.0	0	38	0	0	178	0	0	1.00	1.11	1.30	178	0	0	178
11+25	25.98	0.0	0	27	0	0	205	0	0	1.00	1.11	1.30	205	0	0	205
		Column totals		205		0										

N. 17TH ST.

STATION	END AREA (S.F.)			UNADJUSTED VOLUME INCREMENTAL (C.Y.)			UNADJUSTED VOLUME CUMULATIVE (C.Y.)			SHRINKAGE/SWELL FACTORS			ADJUSTED VOLUME CUMULATIVE (C.Y.)			MASS HAUL (C.Y.)
	COMMON EXC.	ROCK EXC.	FILL	COMMON EXC.	ROCK EXC.	FILL	COMMON EXC.	ROCK EXC.	FILL	COMMON	ROCK	FILL	COMMON EXC.	ROCK EXC.	FILL	
10+17	165.09	0.0	0	0	0	0	0	0	0	1.00	1.11	1.30	0	0	0	0
10+50	65.52	0.0	0	142	0	0	142	0	0	1.00	1.11	1.30	142	0	0	142
11+00	31.83	0.0	0.1	90	0	0	232	0	0	1.00	1.11	1.30	232	0	0	232
11+20	25.59	0.0	0	21	0	0	253	0	0	1.00	1.11	1.30	253	0	0	253
		Column totals		253		0										

KOEHLER DR.

STATION	END AREA (S.F.)			UNADJUSTED VOLUME INCREMENTAL (C.Y.)			UNADJUSTED VOLUME CUMULATIVE (C.Y.)			SHRINKAGE/SWELL FACTORS			ADJUSTED VOLUME CUMULATIVE (C.Y.)			MASS HAUL (C.Y.)
	COMMON EXC.	ROCK EXC.	FILL	COMMON EXC.	ROCK EXC.	FILL	COMMON EXC.	ROCK EXC.	FILL	COMMON	ROCK	FILL	COMMON EXC.	ROCK EXC.	FILL	
10+16	140.66	0.0	0	0	0	0	0	0	0	1.00	1.11	1.30	0	0	0	0
10+50	39.87	0.0	0	114	0	0	114	0	0	1.00	1.11	1.30	114	0	0	114
11+00	26.87	0.0	0.07	62	0	0	175	0	0	1.00	1.11	1.30	175	0	0	175
11+10	28.6	0.0	0	10	0	0	186	0	0	1.00	1.11	1.30	186	0	0	186
		Column totals		186		0										

N. 14TH ST.

STATION	END AREA (S.F.)			UNADJUSTED VOLUME INCREMENTAL (C.Y.)			UNADJUSTED VOLUME CUMULATIVE (C.Y.)			SHRINKAGE/SWELL FACTORS			ADJUSTED VOLUME CUMULATIVE (C.Y.)			MASS HAUL (C.Y.)
	COMMON EXC.	ROCK EXC.	FILL	COMMON EXC.	ROCK EXC.	FILL	COMMON EXC.	ROCK EXC.	FILL	COMMON	ROCK	FILL	COMMON EXC.	ROCK EXC.	FILL	
10+16	120.68	0.0	0	0	0	0	0	0	0	1.00	1.11	1.30	0	0	0	0
10+50	43.58	0.0	0	103	0	0	103	0	0	1.00	1.11	1.30	103	0	0	103
11+00	27.17	0.0	0	66	0	0	169	0	0	1.00	1.11	1.30	169	0	0	169
11+10	26.37	0.0	0	10	0	0	179	0	0	1.00	1.11	1.30	179	0	0	179
		Column totals		179		0										

N. 13TH ST.

STATION	END AREA (S.F.)			UNADJUSTED VOLUME INCREMENTAL (C.Y.)			UNADJUSTED VOLUME CUMULATIVE (C.Y.)			SHRINKAGE/SWELL FACTORS			ADJUSTED VOLUME CUMULATIVE (C.Y.)			MASS HAUL (C.Y.)
	COMMON EXC.	ROCK EXC.	FILL	COMMON EXC.	ROCK EXC.	FILL	COMMON EXC.	ROCK EXC.	FILL	COMMON	ROCK	FILL	COMMON EXC.	ROCK EXC.	FILL	
10+16	143.88	0.0	0	0	0	0	0	0	0	1.00	1.11	1.30	0	0	0	0
10+50	39.3	0.0	0	115	0	0	115	0	0	1.00	1.11	1.30	115	0	0	115
10+90	25.28	0.0	0.15	48	0	0	163	0	0	1.00	1.11	1.30	163	0	0	163
11+00	25.28	0.0	0.15	9	0	0	173	0	0	1.00	1.11	1.30	173	0	0	172
11+10	25.01	0.0	0.39	9	0	0	182	0	0	1.00	1.11	1.30	182	0	0	181
		Column totals		182		0										

N. 13TH ST. SOUTH

STATION	END AREA (S.F.)			UNADJUSTED VOLUME INCREMENTAL (C.Y.)			UNADJUSTED VOLUME CUMULATIVE (C.Y.)			SHRINKAGE/SWELL			ADJUSTED VOLUME CUMULATIVE (C.Y.)			MASS HAUL
	COMMON EXC.	ROCK EXC.	FILL	COMMON EXC.	ROCK EXC.	FILL	COMMON EXC.	ROCK EXC.	FILL	COMMON	ROCK	FILL	COMMON EXC.	ROCK EXC.	FILL	(C.Y.)
8+90	45.84	0.0	0.15	0	0	0	0	0	0	1.00	1.11	1.30	0	0	0	0
9+00	45.85	0.0	0.1	17	0	0	17	0	0	1.00	1.11	1.30	17	0	0	17
9+50	57.09	0.0	0	95	0	0	112	0	0	1.00	1.11	1.30	112	0	0	112
9+84	126.99	0.0	0	116	0	0	228	0	0	1.00	1.11	1.30	228	0	0	228
		Column totals		228		0										

N. 12TH ST.

STATION	END AREA (S.F.)			UNADJUSTED VOLUME INCREMENTAL (C.Y.)			UNADJUSTED VOLUME CUMULATIVE (C.Y.)			SHRINKAGE/SWELL FACTORS			ADJUSTED VOLUME CUMULATIVE (C.Y.)			MASS HAUL
	COMMON EXC.	ROCK EXC.	FILL	COMMON EXC.	ROCK EXC.	FILL	COMMON EXC.	ROCK EXC.	FILL	COMMON	ROCK	FILL	COMMON EXC.	ROCK EXC.	FILL	(C.Y.)
10+16	159.75	0.0	0	0	0	0	0	0	0	1.00	1.11	1.30	0	0	0	0
10+42	38.41	0.0	0.45	94	0	0	94	0	0	1.00	1.11	1.30	94	0	0	94
		Column totals		94		0										

N. 12TH ST. SOUTH

STATION	END AREA (S.F.)			UNADJUSTED VOLUME INCREMENTAL (C.Y.)			UNADJUSTED VOLUME CUMULATIVE (C.Y.)			SHRINKAGE/SWELL FACTORS			ADJUSTED VOLUME CUMULATIVE (C.Y.)			MASS HAUL
	COMMON EXC.	ROCK EXC.	FILL	COMMON EXC.	ROCK EXC.	FILL	COMMON EXC.	ROCK EXC.	FILL	COMMON	ROCK	FILL	COMMON EXC.	ROCK EXC.	FILL	(C.Y.)
8+88	28.39	0.0	0	0	0	0	0	0	0	1.00	1.11	1.30	0	0	0	0
9+00	29.73	0.0	0.15	13	0	0	13	0	0	1.00	1.11	1.30	13	0	0	13
9+50	56.06	0.0	0	79	0	0	93	0	0	1.00	1.11	1.30	93	0	0	93
9+84	142.36	0.0	0	125	0	0	218	0	0	1.00	1.11	1.30	218	0	0	218
		Column totals		218		0										

ROSEWOOD CT.

STATION	END AREA (S.F.)			UNADJUSTED VOLUME INCREMENTAL (C.Y.)			UNADJUSTED VOLUME CUMULATIVE (C.Y.)			SHRINKAGE/SWELL FACTORS			ADJUSTED VOLUME CUMULATIVE (C.Y.)			MASS HAUL
	COMMON EXC.	ROCK EXC.	FILL	COMMON EXC.	ROCK EXC.	FILL	COMMON EXC.	ROCK EXC.	FILL	COMMON	ROCK	FILL	COMMON EXC.	ROCK EXC.	FILL	(C.Y.)
10+16	172.77	0.0	0	0	0	0	0	0	0	1.00	1.11	1.30	0	0	0	0
10+40	40.45	0.0	0.86	95	0	0	95	0	0	1.00	1.11	1.30	95	0	0	94
		Column totals		95		0										

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9

HIGHCLIFF CT.

STATION	END AREA (S.F.)			UNADJUSTED VOLUME INCREMENTAL (C.Y.)			UNADJUSTED VOLUME CUMULATIVE (C.Y.)			SHRINKAGE/SWELL FACTORS			ADJUSTED VOLUME CUMULATIVE (C.Y.)			MASS HAUL (C.Y.)
	COMMON EXC.	ROCK EXC.	FILL	COMMON EXC.	ROCK EXC.	FILL	COMMON EXC.	ROCK EXC.	FILL	COMMON	ROCK	FILL	COMMON EXC.	ROCK EXC.	FILL	
10+16	325.48	0.0	0	0	0	0	0	0	0	1.00	1.11	1.30	0	0	0	0
10+40	65.56	0.0	0	171	0	0	171	0	0	1.00	1.11	1.30	171	0	0	171
		Column totals		171		0										

N. 10TH ST. SOUTH

STATION	END AREA (S.F.)			UNADJUSTED VOLUME INCREMENTAL (C.Y.)			UNADJUSTED VOLUME CUMULATIVE (C.Y.)			SHRINKAGE/SWELL FACTORS			ADJUSTED VOLUME CUMULATIVE (C.Y.)			MASS HAUL (C.Y.)
	COMMON EXC.	ROCK EXC.	FILL	COMMON EXC.	ROCK EXC.	FILL	COMMON EXC.	ROCK EXC.	FILL	COMMON	ROCK	FILL	COMMON EXC.	ROCK EXC.	FILL	
8+90	47.39	0.0	0.01	0	0	0	0	0	0	1.00	1.11	1.30	0	0	0	0
9+00	47.69	0.0	0.02	18	0	0	18	0	0	1.00	1.11	1.30	18	0	0	18
9+50	62.38	0.0	0	102	0	0	120	0	0	1.00	1.11	1.30	120	0	0	119
9+59	45.55	0.0	0.13	18	0	0	137	0	0	1.00	1.11	1.30	137	0	0	137
9+84	258	0.0	0	141	0	0	278	0	0	1.00	1.11	1.30	278	0	0	278
		Column totals		278		0										

N. 10TH ST.

STATION	END AREA (S.F.)			UNADJUSTED VOLUME INCREMENTAL (C.Y.)			UNADJUSTED VOLUME CUMULATIVE (C.Y.)			SHRINKAGE/SWELL FACTORS			ADJUSTED VOLUME CUMULATIVE (C.Y.)			MASS HAUL (C.Y.)
	COMMON EXC.	ROCK EXC.	FILL	COMMON EXC.	ROCK EXC.	FILL	COMMON EXC.	ROCK EXC.	FILL	COMMON	ROCK	FILL	COMMON EXC.	ROCK EXC.	FILL	
10+16	255.36	0.0	0	0	0	0	0	0	0	1.00	1.11	1.30	0	0	0	0
10+50	91.82	0.0	0	219	0	0	219	0	0	1.00	1.11	1.30	219	0	0	219
11+00	36.1	0.0	2.65	118	0	2	337	0	2	1.00	1.11	1.30	337	0	3	334
11+38	26.56	0.0	0	44	0	2	380	0	4	1.00	1.11	1.30	380	0	6	375
		Column totals		380		4										

EISNER EAST

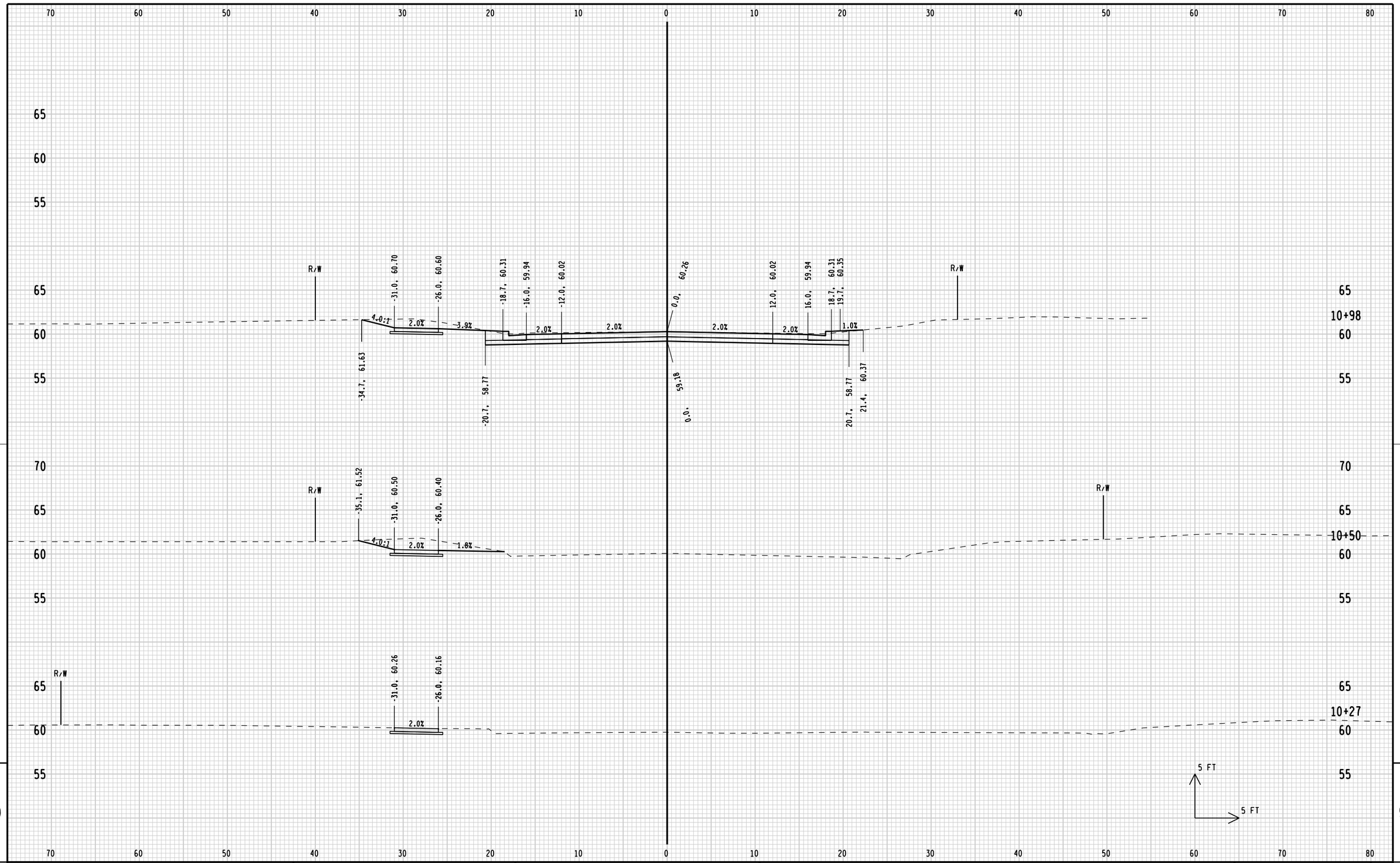
STATION	END AREA (S.F.)			UNADJUSTED VOLUME INCREMENTAL (C.Y.)			UNADJUSTED VOLUME CUMULATIVE (C.Y.)			SHRINKAGE/SWELL FACTORS			ADJUSTED VOLUME CUMULATIVE (C.Y.)			MASS HAUL (C.Y.)
	COMMON EXC.	ROCK EXC.	FILL	COMMON EXC.	ROCK EXC.	FILL	COMMON EXC.	ROCK EXC.	FILL	COMMON	ROCK	FILL	COMMON EXC.	ROCK EXC.	FILL	
10+12	72.71	0.0	0	0	0	0	0	0	0	1.00	1.11	1.30	0	0	0	0
10+50	79.68	0.0	0	107	0	0	107	0	0	1.00	1.11	1.30	107	0	0	107
11+00	40.9	0.0	0	112	0	0	219	0	0	1.00	1.11	1.30	219	0	0	219
11+50	31.76	0.0	0.02	67	0	0	286	0	0	1.00	1.11	1.30	286	0	0	286
11+55	32.29	0.0	0.05	6	0	0	292	0	0	1.00	1.11	1.30	292	0	0	292
		Column totals		292		0										

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BATCH PRINT SHEET 8 OF 9
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PLOT SCALE: 1:2
WISDOT/CADDS SHEET 21

CTH LS/LAKESHORE RD.

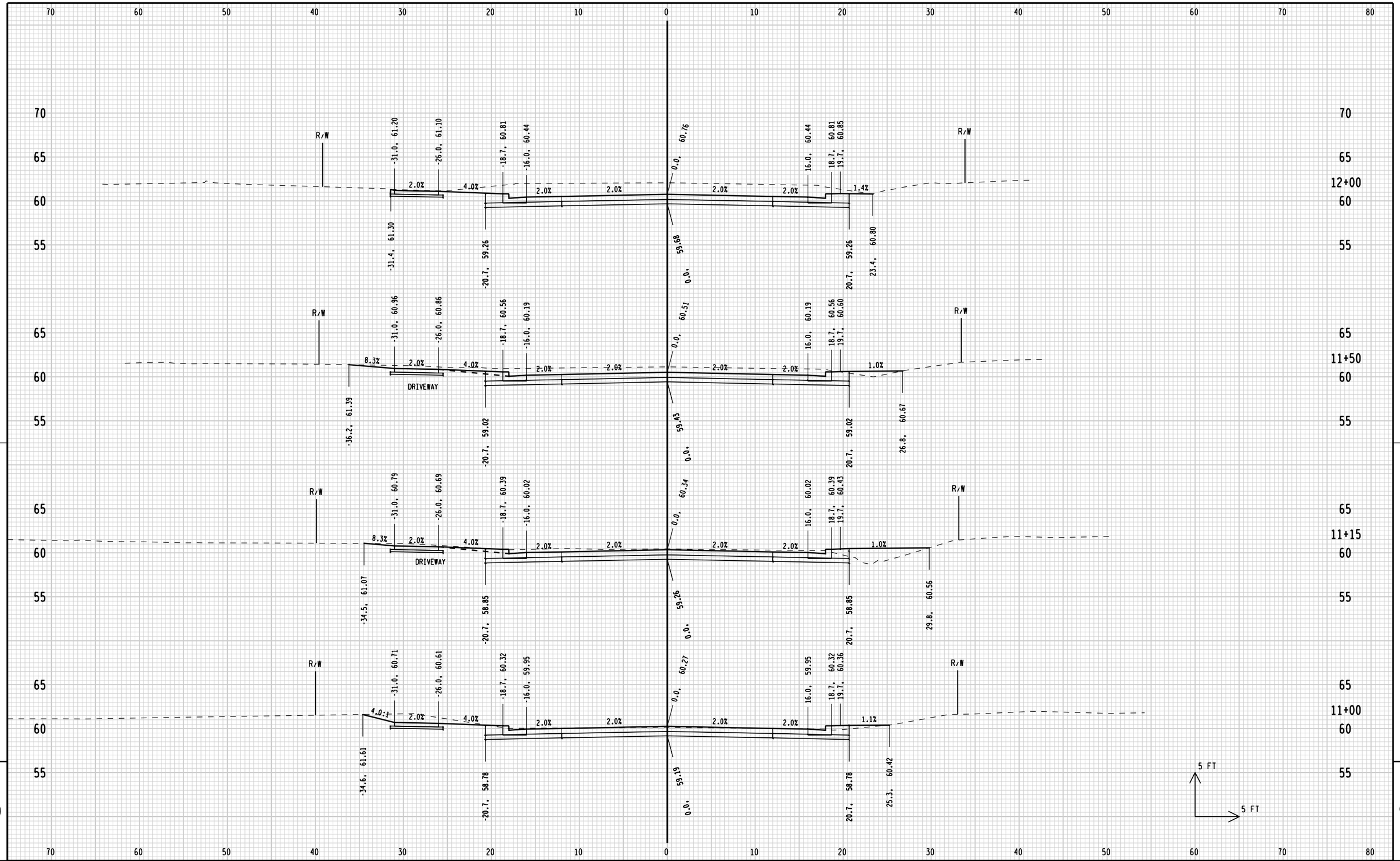
STATION	END AREA (S.F.)			UNADJUSTED VOLUME INCREMENTAL (C.Y.)			UNADJUSTED VOLUME CUMULATIVE (C.Y.)			SHRINKAGE/SWELL FACTORS			ADJUSTED VOLUME CUMULATIVE (C.Y.)			MASS HAUL (C.Y.)
	COMMON EXC.	ROCK EXC.	FILL	COMMON EXC.	ROCK EXC.	FILL	COMMON EXC.	ROCK EXC.	FILL	COMMON	ROCK	FILL	COMMON EXC.	ROCK EXC.	FILL	
6+92	33.68	0.0	0	0	0	0	0	0	0	1.00	1.11	1.30	0	0	0	0
7+00	34.94	0.0	0.25	11	0	0	11	0	0	1.00	1.11	1.30	11	0	0	11
7+44	41.14	0.0	2.67	62	0	2	73	0	2	1.00	1.11	1.30	73	0	3	70
7+50	45.92	0.0	3.15	10	0	1	82	0	3	1.00	1.11	1.30	82	0	4	78
8+00	69.06	0.0	7.48	106	0	10	189	0	13	1.00	1.11	1.30	189	0	17	172
8+25	85.41	0.0	6.53	72	0	6	260	0	19	1.00	1.11	1.30	260	0	25	235
8+50	96.29	0.0	30.22	84	0	17	344	0	36	1.00	1.11	1.30	344	0	47	297
9+00	114.9	0.0	22.53	196	0	49	540	0	85	1.00	1.11	1.30	540	0	111	429
9+33	116.34	0.0	37.74	143	0	37	683	0	123	1.00	1.11	1.30	683	0	159	524
9+50	116.97	0.0	14.27	72	0	16	755	0	139	1.00	1.11	1.30	755	0	180	575
10+00	95.58	0.0	0	197	0	13	952	0	152	1.00	1.11	1.30	952	0	197	754
10+50	99.77	0.0	0	181	0	0	1132	0	152	1.00	1.11	1.30	1132	0	197	935
11+00	72.11	0.0	5.17	159	0	5	1292	0	157	1.00	1.11	1.30	1292	0	203	1088
11+15	69.18	0.0	0.19	39	0	1	1331	0	158	1.00	1.11	1.30	1331	0	205	1125
11+35	58.93	0.0	0.03	47	0	0	1377	0	158	1.00	1.11	1.30	1377	0	206	1172
11+50	58.85	0.0	0	33	0	0	1411	0	158	1.00	1.11	1.30	1411	0	206	1205
11+70	57.39	0.0	0	43	0	0	1454	0	158	1.00	1.11	1.30	1454	0	206	1248
12+00	53.55	0.0	0	62	0	0	1516	0	158	1.00	1.11	1.30	1516	0	206	1310
12+25	49.64	0.0	0.03	48	0	0	1563	0	158	1.00	1.11	1.30	1563	0	206	1358
12+40	44.87	0.0	0.42	26	0	0	1590	0	158	1.00	1.11	1.30	1590	0	206	1384
12+50	43.96	0.0	0.26	16	0	0	1606	0	158	1.00	1.11	1.30	1606	0	206	1400
12+51	43.79	0.0	0.3	2	0	0	1608	0	158	1.00	1.11	1.30	1608	0	206	1402
13+00	37.95	0.0	0.19	74	0	0	1682	0	159	1.00	1.11	1.30	1682	0	206	1475
13+08	37.17	0.0	0.21	11	0	0	1692	0	159	1.00	1.11	1.30	1692	0	207	1486
			Column totals	1692		159										

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PLOT TIME: 10:26:29 AM
PLOT SCALE: 1:2
WISDOT/CADDS SHEET 21



STATE PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE	COUNTY: SHEBOYGAN	CROSS SECTIONS: EISNER AVENUE	SHEET 249 E

FILE NAME: l:\work\60164548\000_cadd\civil\090201_xs.dgn
BATCH PRINT SHEET 1 OF 51
PRINTER DRIVER: L:\library\TPN_CADstds\Workspace-Clients\WisDOT\Microstation\Resources\MS_Printing\Printer_Drivers\ET_PDF_11 x 17.plt
PEN TABLE: L:\work\60164548\000_CADD\CIVIL\MS_Printing\Pen_Tables\ET_WisDOT.tbl
PLOT DATE: 10/23/2012
PLOT TIME: 9:48:12 AM
PLOT SCALE: 1:10
WISDOT/CADDS SHEET 21

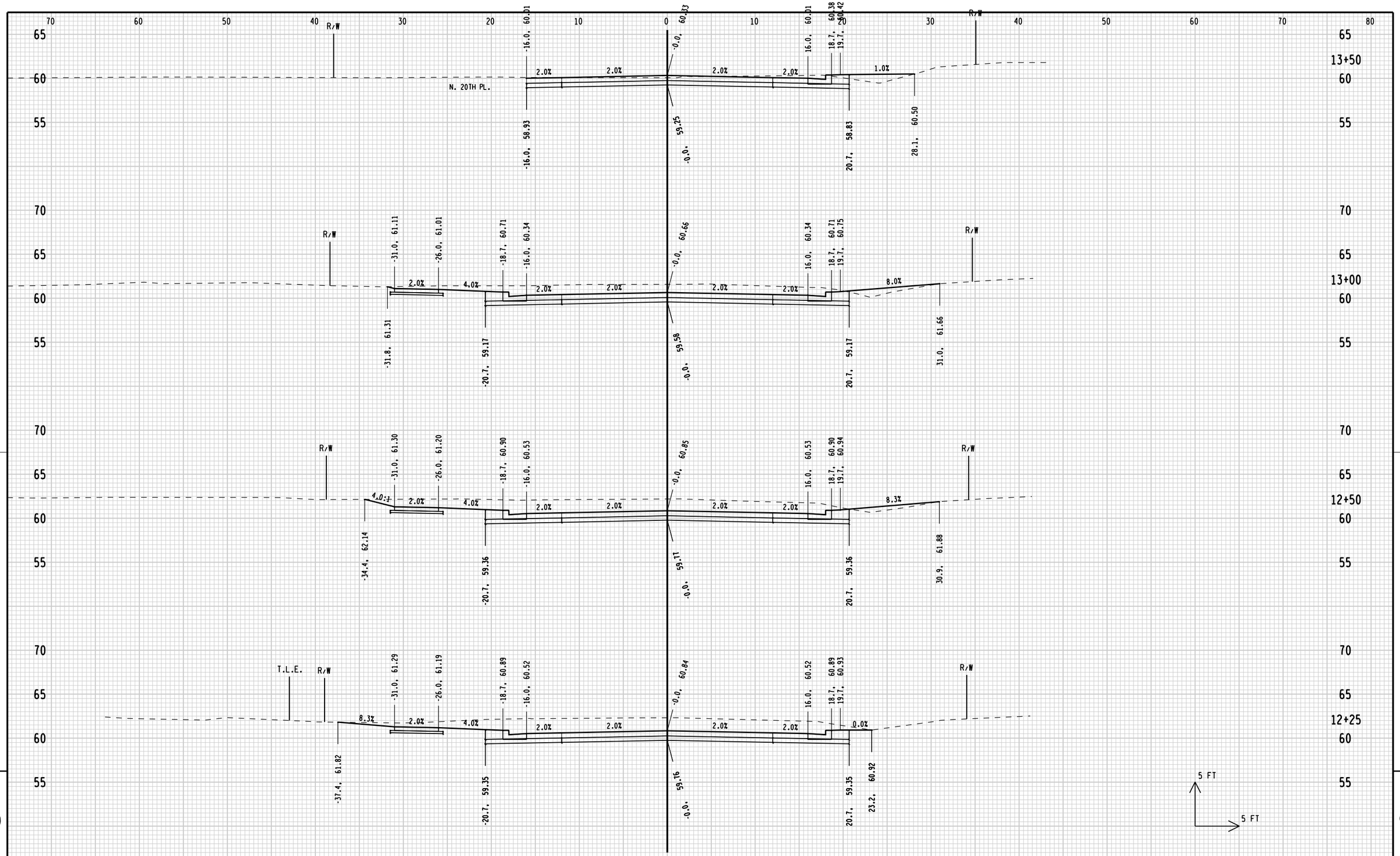


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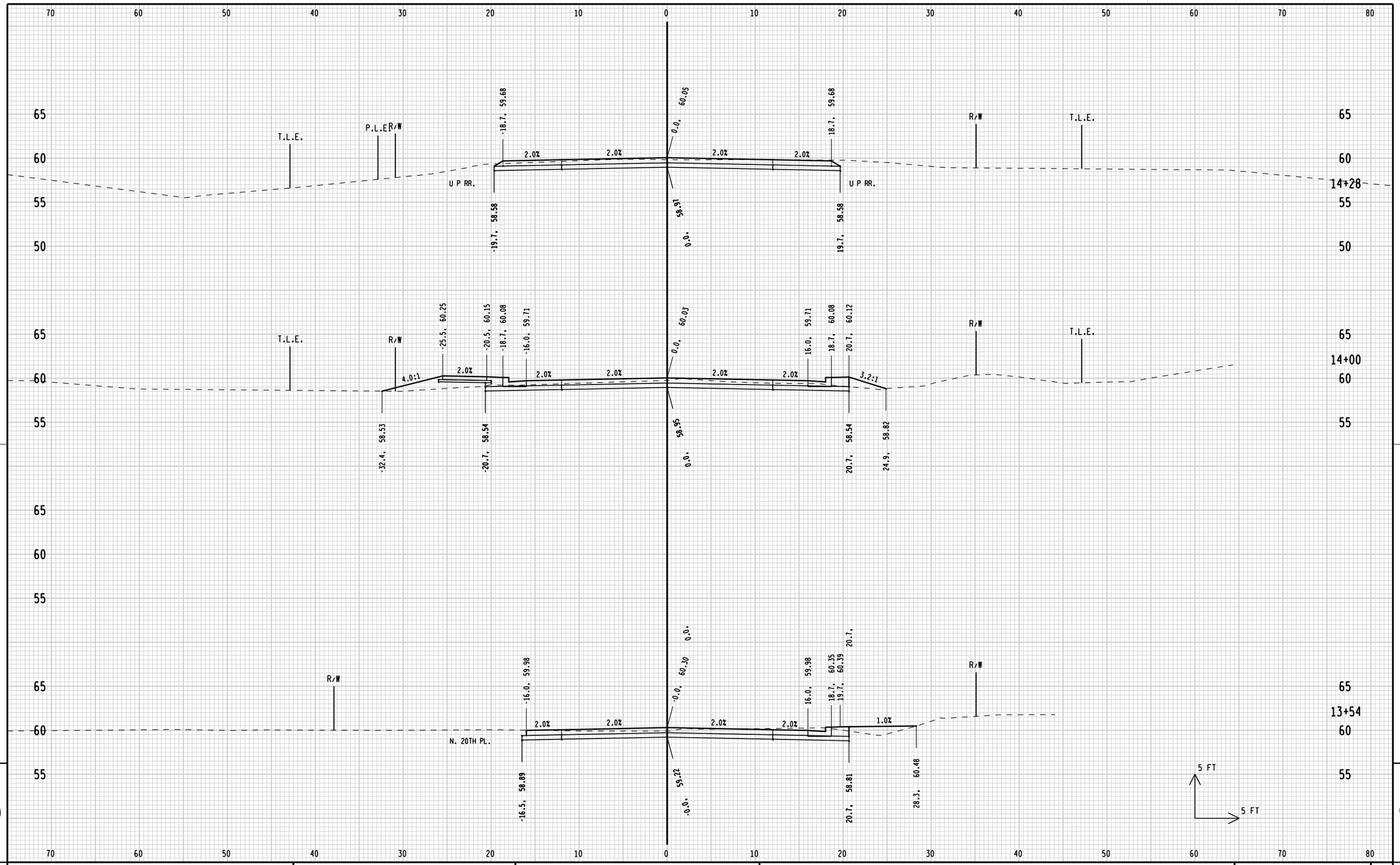
STATE PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE	COUNTY: SHEBOYGAN	CROSS SECTIONS: EISNER AVENUE	SHEET 250 E

FILE NAME: l:\work\60164548\000_cadd\civil\090201_xs.dgn
BATCH PRINT SHEET 2 OF 51
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PLOT DATE: 10/23/2012
PLOT TIME: 9:48:12 AM
PLOT SCALE: 1:10
WISDOT/CADDS SHEET 21



STATE PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE	COUNTY: SHEBOYGAN	CROSS SECTIONS: EISNER AVENUE	SHEET	E

FILE NAME: l:\work\60164548\000_cadd\civil\090201_xs.dgn
BATCH PRINT SHEET 3 OF 51
PRINTER DRIVER: L:\library\TPN_CADstds\Workspace-Clients\WisDOT\Microstation\Resources\MS_Printing\Printer_Drivers\ET_PDF_11 x 17.plt
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PLOT TIME: 9:48:13 AM
PLOT SCALE: 1:10
WISDOT/CADDS SHEET 21



STATE PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE	COUNTY: SHEBOYGAN	CROSS SECTIONS: EISNER AVENUE	SHEET 252 E

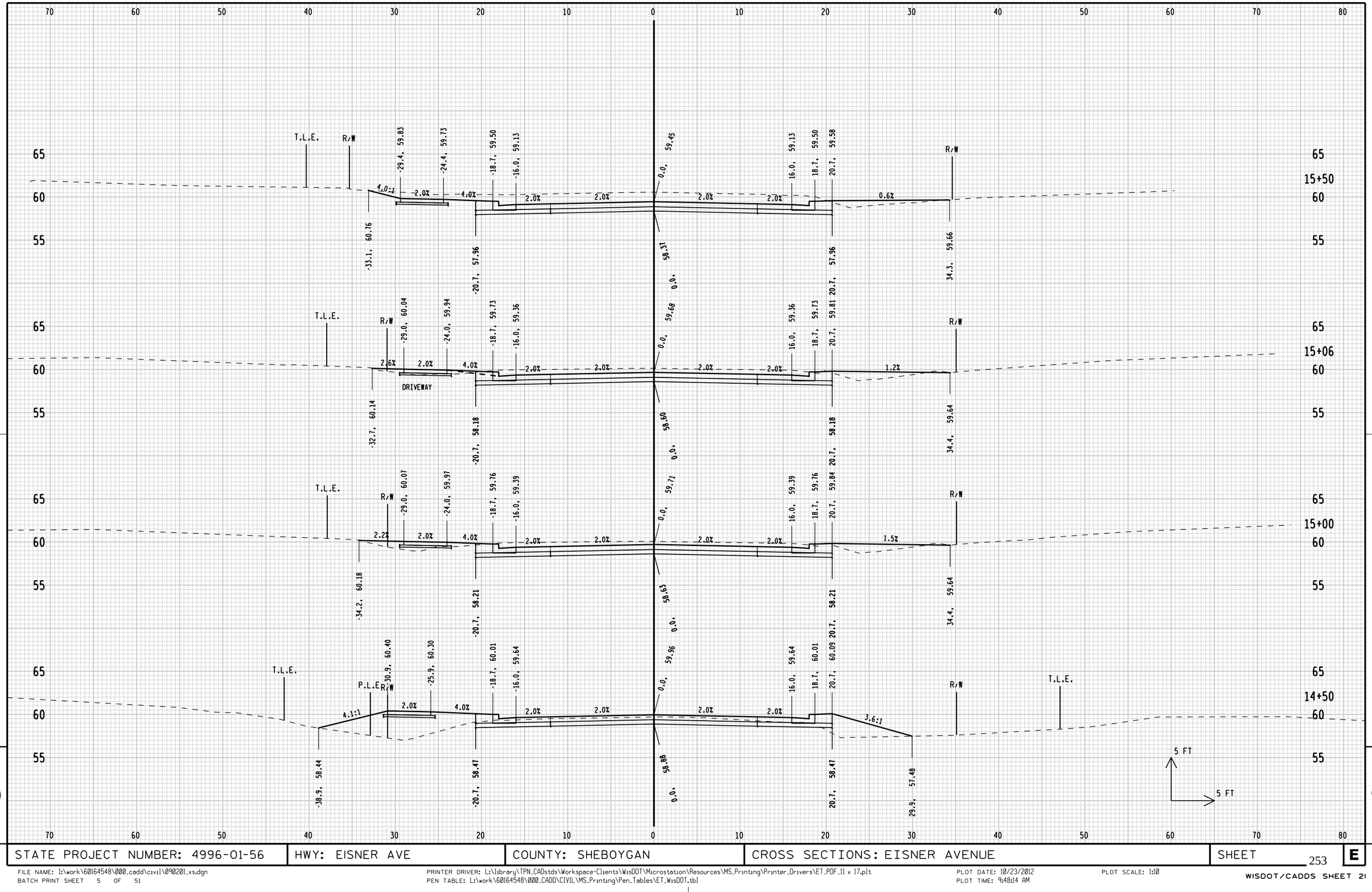
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PLOT DATE: 10/23/2012
PLOT TIME: 9:48:13 AM

PLOT SCALE: 1:10

WISDOT/CADDS SHEET 21



STATE PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE	COUNTY: SHEBOYGAN	CROSS SECTIONS: EISNER AVENUE	SHEET 253	E

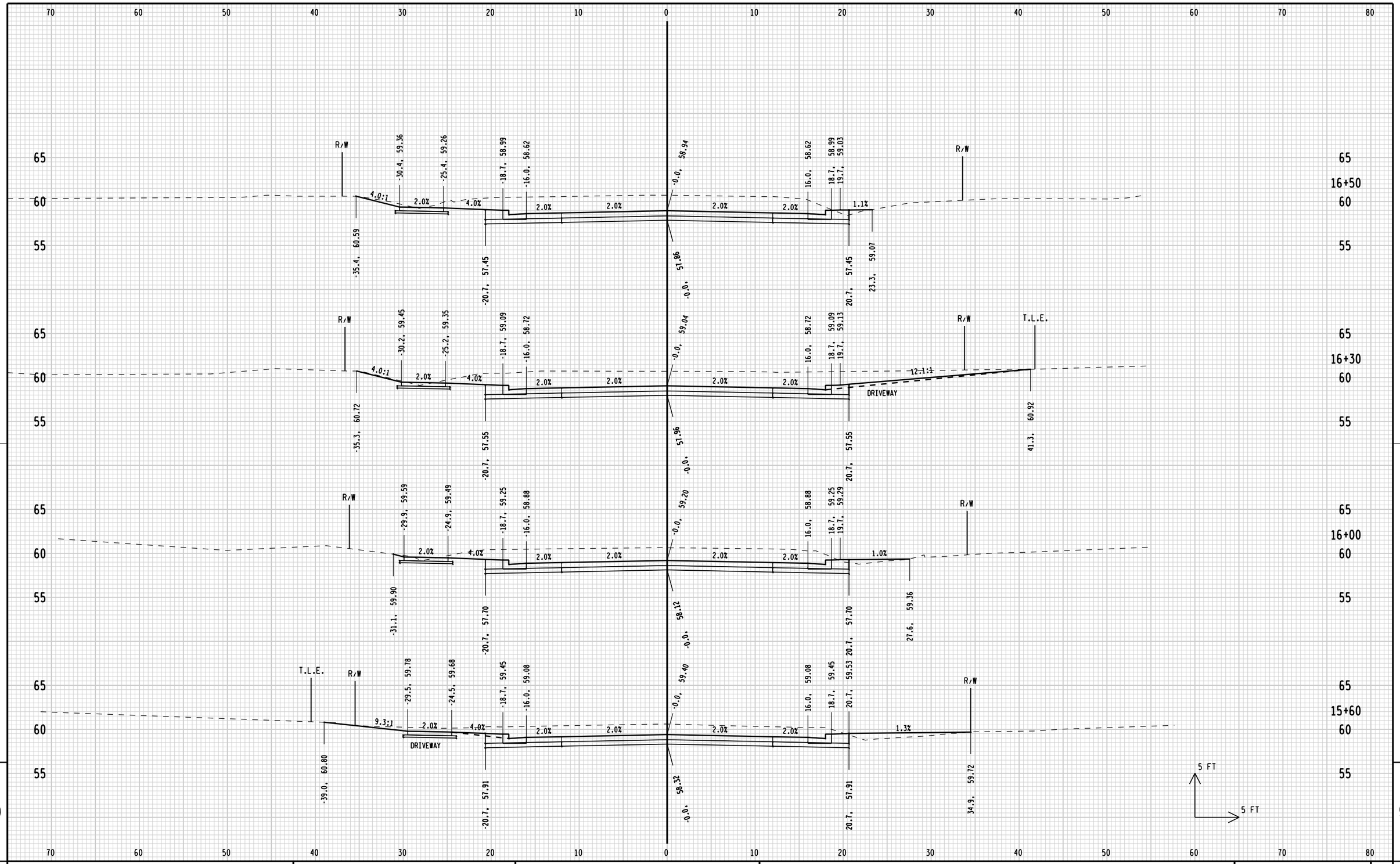
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BATCH PRINT SHEET 5 OF 51

PRINTER DRIVER: L:\library\TPN_CADstds\Workspace-Clients\WisDOT\Microstation\Resources\MS_Printing\Printer_Drivers\ET_PDF_11 x 17.plt
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PLOT DATE: 10/23/2012
PLOT TIME: 9:48:14 AM

PLOT SCALE: 1:10

WISDOT/CADDS SHEET 21



STATE PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE	COUNTY: SHEBOYGAN	CROSS SECTIONS: EISNER AVENUE	SHEET 254 E

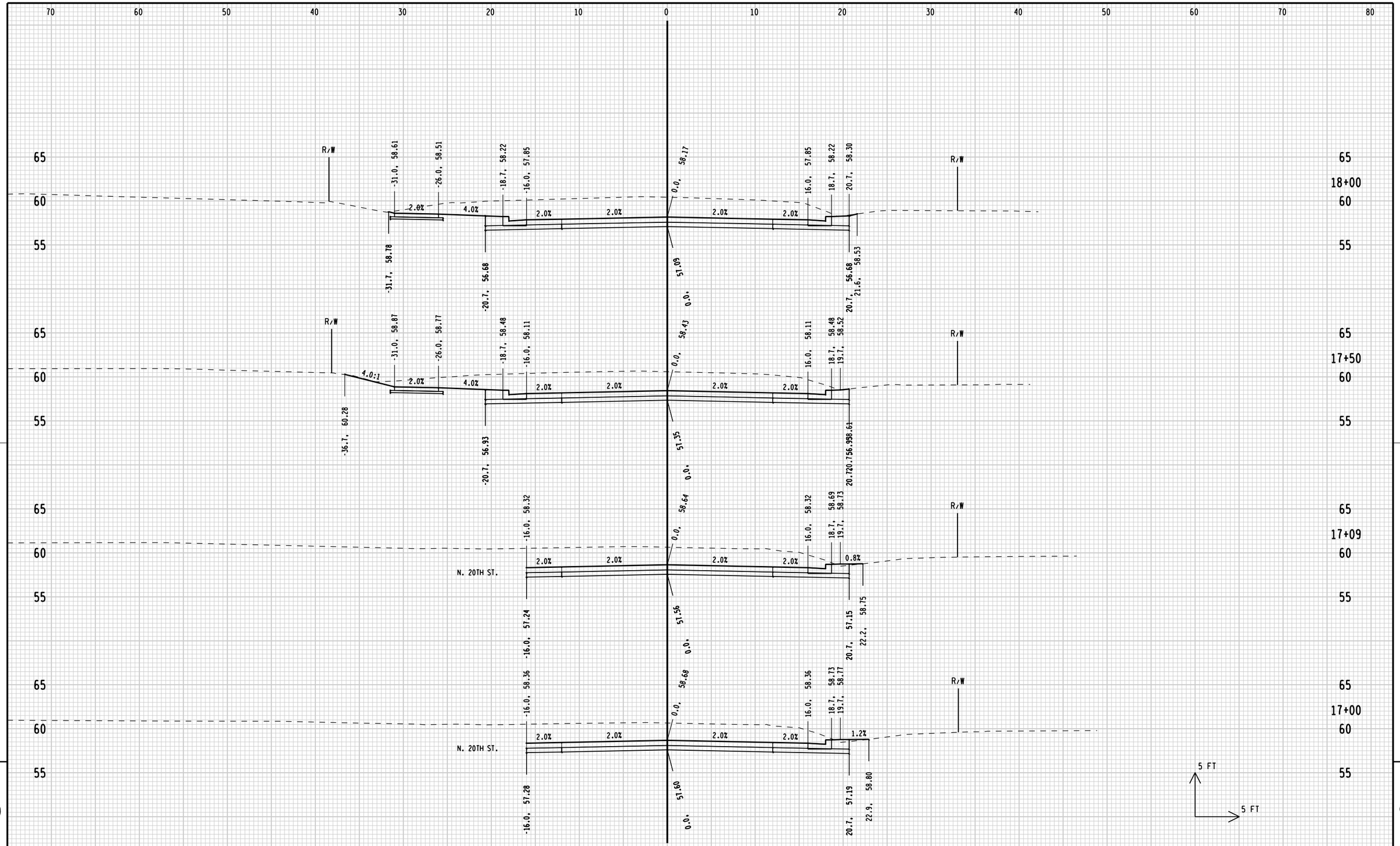
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BATCH PRINT SHEET 6 OF 51

PRINTER DRIVER: L:\library\TPN_CADstds\Workspace-Clients\WisDOT\Microstation\Resources\MS_Printing\Printer_Drivers\ET_PDF_11 x 17.plt
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PLOT DATE: 10/23/2012
PLOT TIME: 9:48:14 AM

PLOT SCALE: 1:10

WISDOT/CADDS SHEET 21

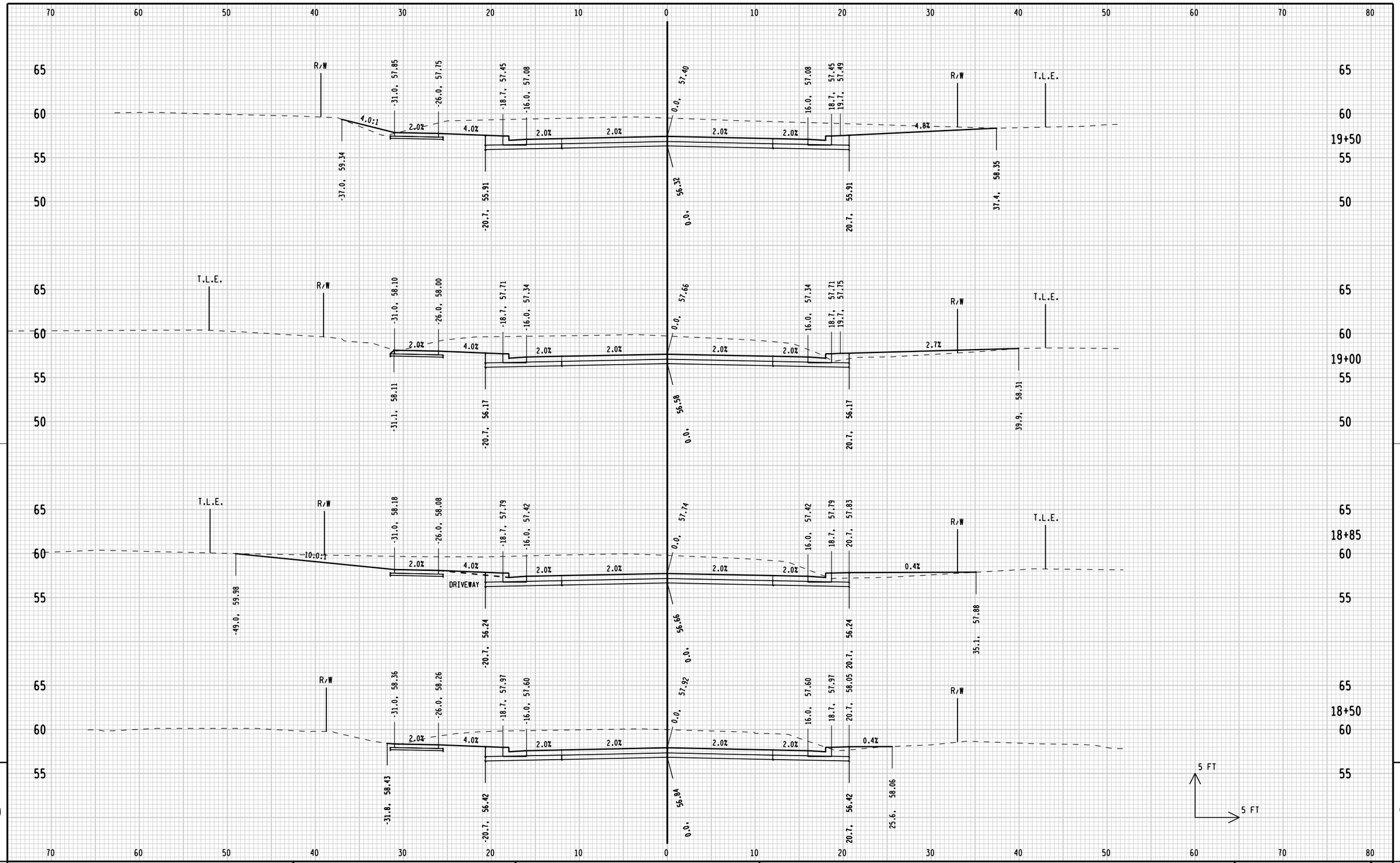


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STATE PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE	COUNTY: SHEBOYGAN	CROSS SECTIONS: EISNER AVENUE	SHEET 255 E

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BATCH PRINT SHEET 7 OF 51
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PLOT DATE: 10/23/2012
PLOT TIME: 9:48:15 AM
PLOT SCALE: 1:10
WISDOT/CADDS SHEET 21



9

9

STATE PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE	COUNTY: SHEBOYGAN	CROSS SECTIONS: EISNER AVENUE	SHEET 256 E

FILE NAME: l:\work\60164548\000_cadd\civil\090201_xs.dgn
BATCH PRINT SHEET 8 OF 51

PRINTER DRIVER: L:\library\TPN_CADstds\Workspace-Clients\WisDOT\Microstation\Resources\MS_Printing\Printer_Drivers\ET_PDF_11 x 17.plt
PEN TABLE: L:\work\60164548\000_CADD\CIVIL\MS_Printing\Pen_Tables\ET_WisDOT.tbl

PLOT DATE: 10/23/2012
PLOT TIME: 9:48:15 AM

PLOT SCALE: 1:10

WISDOT/CADDS SHEET 21

70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80

65 60 55 50

N. 19TH ST.

-16.0, 56.70 | 0.0, 57.02 | 16.0, 56.70 | 18.7, 57.07 | 20.7, 57.15 | R/W | T.L.E.

2.0% 2.0% 2.0% 2.0%

-16.0, 55.62 | 0.0, 55.94 | 20.7, 55.53 | 21.3, 57.16

20+28

-31.0, 57.59 | -26.0, 57.49 | -18.7, 57.20 | -16.0, 56.83 | 0.0, 57.15 | 16.0, 56.83 | 18.7, 57.20 | 20.7, 57.28 | R/W | T.L.E.

2.0% 4.0% 2.0% 2.0% 2.0% 2.0% 5.5:1

-31.8, 57.66 | -20.7, 55.65 | 0.0, 56.01 | 20.7, 55.65 | 25.0, 58.07

20+00

R/W | -31.0, 57.75 | -26.0, 57.65 | -18.7, 57.36 | -16.0, 56.99 | 0.0, 57.37 | 16.0, 56.99 | 18.7, 57.36 | 19.7, 57.40 | R/W | T.L.E.

4.0:1 2.0% 4.0% 2.0% 2.0% 2.0% 2.0% 8.1%

DRIVEWAY

-36.5, 59.14 | -20.7, 55.82 | 0.0, 56.23 | 20.7, 55.82 | 35.3, 58.67

19+68

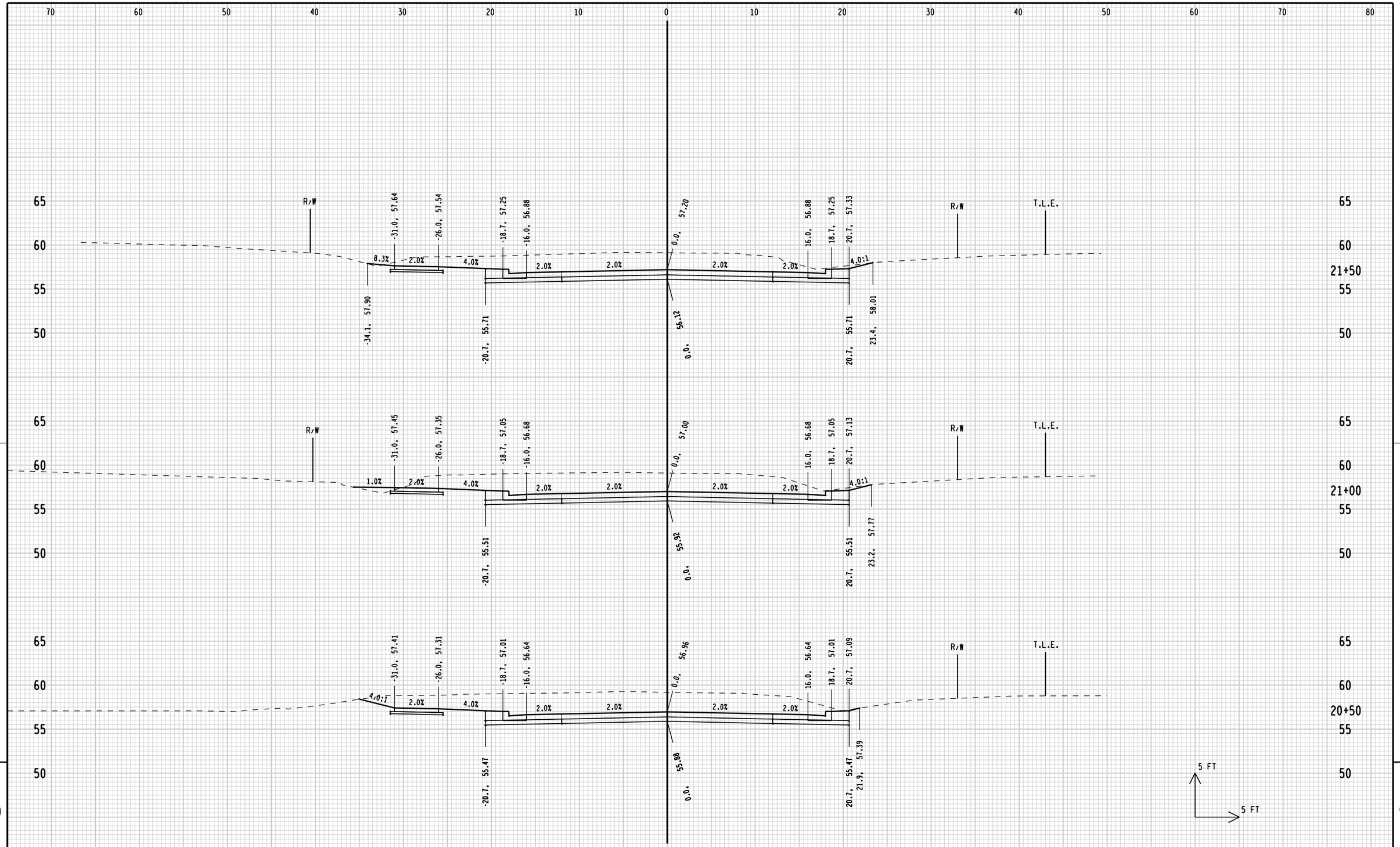
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5 FT

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STATE PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE	COUNTY: SHEBOYGAN	CROSS SECTIONS: EISNER AVENUE	SHEET E

FILE NAME: l:\work\60164548\000.cadd\civil\090201_xs.dgn
BATCH PRINT SHEET 9 OF 51
PRINTER DRIVER: L:\library\TPN_CADstds\Workspace-Clients\WisDOT\Microstation\Resources\MS_Printing\Printer_Drivers\ET_PDF_11 x 17.plt
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PLOT TIME: 9:48:16 AM
PLOT SCALE: 1:10
WISDOT/CADDS SHEET 21



9

9

STATE PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE	COUNTY: SHEBOYGAN	CROSS SECTIONS: EISNER AVENUE	SHEET E

FILE NAME: l:\work\60164548\000_cadd\civil\090201_xs.dgn
BATCH PRINT SHEET 10 OF 51
PRINTER DRIVER: L:\library\TPN_CADstds\Workspace-Clients\WisDOT\Microstation\Resources\MS_Printing\Printer_Drivers\ET_PDF_11 x 17.plt
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PLOT DATE: 10/23/2012
PLOT TIME: 9:48:16 AM
PLOT SCALE: 1:10
WISDOT/CADDS SHEET 21

70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80

65 60 55

T.L.E. R/W -31.0, 57.98 -26.0, 57.88 -18.7, 57.59 -16.0, 57.22 0.0, 57.54 16.0, 57.22 18.7, 57.59 20.7, 57.67 R/W T.L.E.

8.3% 2.0% 4.0% 2.0% 2.0% 2.0% 2.0%

DRIVEWAY

-56.4, 60.09 -20.7, 56.05 56.46 0.0, 20.7, 56.05 22.5, 58.13

22+35

T.L.E. R/W -31.0, 57.90 -26.0, 57.80 -18.7, 57.51 -16.0, 57.14 0.0, 57.46 16.0, 57.14 18.7, 57.51 20.7, 57.59 R/W T.L.E.

8.3% -2.0% 4.0% 2.0% 2.0% 2.0% 2.0%

-33.7, 58.13 -20.7, 55.97 56.38 0.0, 20.7, 55.97 22.7, 58.11

22+15

T.L.E. R/W -31.0, 57.84 -26.0, 57.74 -18.7, 57.45 -16.0, 57.08 0.0, 57.40 16.0, 57.08 18.7, 57.45 20.7, 57.53 R/W T.L.E.

8.3% -2.0% 4.0% 2.0% 2.0% 2.0% 2.0% 4.0:1

-33.7, 58.07 -20.7, 55.91 56.32 0.0, 20.7, 55.91 25.2, 58.67

22+00

T.L.E. R/W -31.0, 57.74 -26.0, 57.64 -18.7, 57.34 -16.0, 56.97 0.0, 57.29 16.0, 56.97 18.7, 57.34 20.7, 57.42 R/W T.L.E.

8.3% 2.0% 4.0% 2.0% 2.0% 2.0% 2.0% 8.3%

DRIVEWAY DRIVEWAY

-58.7, 60.04 -20.7, 55.80 56.21 0.0, 20.7, 55.80 38.0, 58.86

21+73

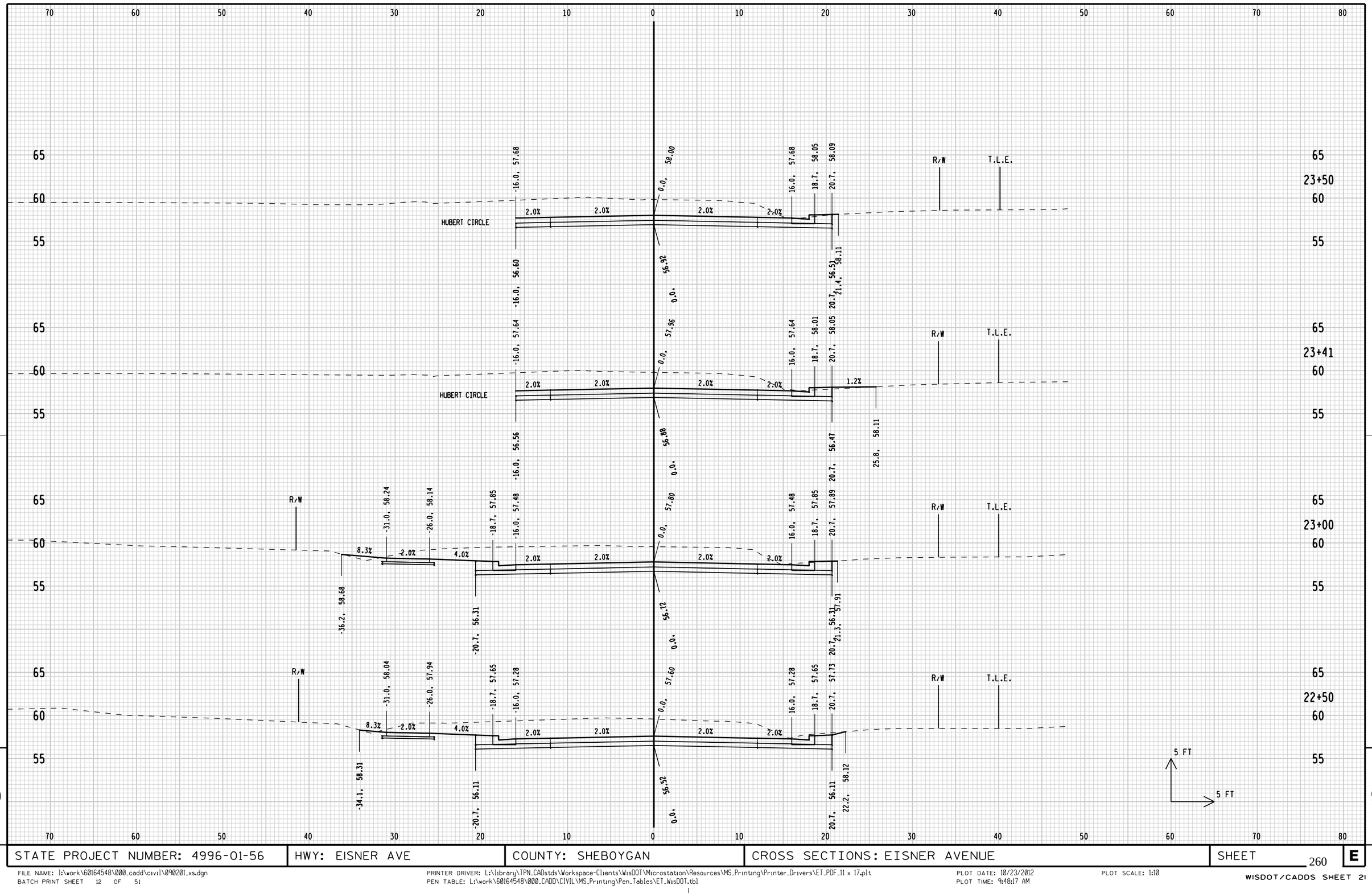
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5 FT

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STATE PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE	COUNTY: SHEBOYGAN	CROSS SECTIONS: EISNER AVENUE	SHEET 259 E

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PLOT DATE: 10/23/2012
PLOT TIME: 9:48:16 AM
PLOT SCALE: 1:10
WISDOT/CADDS SHEET 21



STATE PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE	COUNTY: SHEBOYGAN	CROSS SECTIONS: EISNER AVENUE	SHEET 260 E

70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80

70 / 65 / 60 / 55

T.L.E. R/W -31.0, 59.04 -26.0, 58.94 -18.7, 58.65 -16.0, 58.28 0.0, 58.60 16.0, 58.28 18.7, 58.65 20.7, 58.73 R/W

6.0:1 2.0% 4.0% 2.0% 2.0% 2.0% 2.0% 4.0:1

-38.2, 60.24 -20.7, 57.11 0.0, 51.52 20.7, 57.11 23.1, 59.33

25+00

T.L.E. R/W -31.0, 58.92 -26.0, 58.82 -18.7, 58.53 -16.0, 58.16 0.0, 58.48 16.0, 58.16 18.7, 58.53 20.7, 58.61 R/W

10.0:1 2.0% 4.0% 2.0% 2.0% 2.0% 2.0%

DRIVEWAY

-57.6, 61.58 -20.7, 56.99 0.0, 51.40 20.7, 56.99 21.1, 58.65

24+70

T.L.E. R/W -31.0, 58.84 -26.0, 58.74 -18.7, 58.45 -16.0, 58.08 0.0, 58.40 16.0, 58.08 18.7, 58.45 20.7, 58.49 R/W T.L.E.

1.0% 2.0% 4.0% 2.0% 2.0% 2.0% 2.0%

-37.7, 58.91 -20.7, 56.91 0.0, 51.32 20.7, 56.91 21.2, 58.51

24+50

T.L.E. R/W -31.0, 58.64 -26.0, 58.54 -18.7, 58.25 -16.0, 57.88 0.0, 58.20 16.0, 57.88 18.7, 58.25 19.7, 58.29 R/W T.L.E.

1.0% 2.0% 4.0% 2.0% 2.0% 2.0% 2.0% 4.6%

DRIVEWAY

-20.7, 56.71 0.0, 51.12 20.7, 56.71 36.5, 59.07

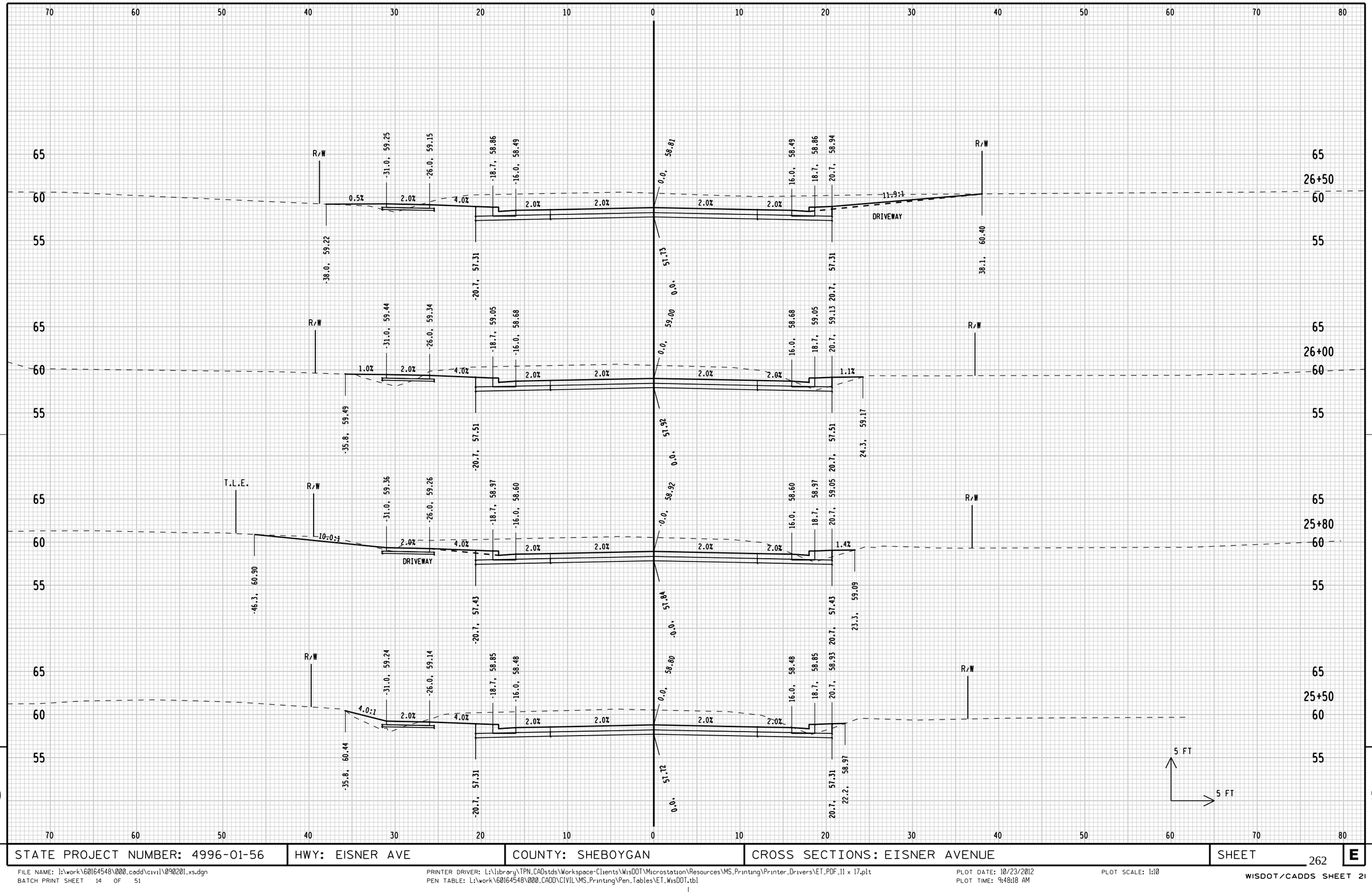
24+00

5 FT 5 FT

70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80

9 9

STATE PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE	COUNTY: SHEBOYGAN	CROSS SECTIONS: EISNER AVENUE	SHEET 261 E



9

9

STATE PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE	COUNTY: SHEBOYGAN	CROSS SECTIONS: EISNER AVENUE	SHEET	E

FILE NAME: l:\work\60164548\000.cadd\civil\090201_xs.dgn
BATCH PRINT SHEET 14 OF 51
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PLOT DATE: 10/23/2012
PLOT TIME: 9:48:18 AM
PLOT SCALE: 1:10
WISDOT/CADDS SHEET 21

70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80

65 60 55

N. 17TH ST.

-16.0, 58.10 | 0.0, 58.42 | 16.0, 58.10 | 18.7, 58.47 | 20.7, 58.55 | R/W | 65 | 27+53 | 60 | 55

2.0% 2.0% 2.0% 2.0% 1.1%

-16.0, 57.02 | 0.0, 51.34 | 20.7, 56.92 | 26.1, 58.61

65 60 55

N. 17TH ST.

-16.0, 58.10 | 0.0, 58.42 | 16.0, 58.10 | 18.7, 58.48 | 20.7, 58.55 | R/W | 65 | 27+50 | 60 | 55

2.0% 2.0% 2.0% 2.0% 1.0%

-16.0, 57.02 | 0.0, 51.34 | 20.7, 56.93 | 26.1, 58.61

65 60 55

R/W | -31.0, 59.06 | -26.0, 58.96 | -18.7, 58.67 | -16.0, 58.30 | 0.0, 58.62 | 16.0, 58.30 | 18.7, 58.67 | 20.7, 58.75 | R/W | 65 | 27+00 | 60 | 55

2.0% 4.0% 2.0% 2.0% 2.0% 2.0% 0.9%

-32.8, 59.08 | -20.7, 57.12 | 0.0, 51.54 | 20.7, 57.12 | 24.6, 58.78

65 60 55

R/W | -31.0, 59.22 | -26.0, 59.12 | -18.7, 58.82 | -16.0, 58.45 | 0.0, 58.77 | 16.0, 58.45 | 18.7, 58.82 | 20.7, 58.90 | R/W | 65 | 26+59 | 60 | 55

1.0% 2.0% 4.0% 2.0% 2.0% 2.0% 2.0% 12:1:1

DRIVEWAY

-36.0, 59.27 | -20.7, 57.28 | 0.0, 51.69 | 20.7, 57.28 | 38.0, 60.33

5 FT

5 FT

70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80

9 9

STATE PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE	COUNTY: SHEBOYGAN	CROSS SECTIONS: EISNER AVENUE	SHEET 263 E

70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80

65 / 60 / 55

R/W -31.0, 58.29 -26.0, 58.19 -18.7, 57.90 -16.0, 57.53 0.0, 57.85 16.0, 57.53 18.7, 57.90 20.7, 57.98 R/W T.L.E.

4.0% 2.0% 4.0% 2.0% 2.0% 2.0% 2.0% 4:0:1

-34.0, 58.41 -20.7, 56.36 0.0, 56.11 20.7, 56.36 25.9, 59.30

65 29+00 60 55

R/W -31.0, 58.37 -26.0, 58.27 -18.7, 57.98 -16.0, 57.61 0.0, 57.93 16.0, 57.61 18.7, 57.98 20.7, 58.06 R/W T.L.E.

-2.0% 4.0% 2.0% 2.0% 2.0% 2.0% 8.3% DRIVEWAY

-31.7, 58.55 -20.7, 56.43 0.0, 56.85 20.7, 56.43 39.7, 59.63

65 28+80 60 55

T.L.E. R/W -31.0, 58.48 -26.0, 58.38 -18.7, 58.09 -16.0, 57.72 0.0, 58.04 16.0, 57.72 18.7, 58.09 20.7, 58.17 R/W

8.3% 2.0% 4.0% 2.0% 2.0% 2.0% 2.0% 1.1% DRIVEWAY

-44.3, 59.59 -20.7, 56.55 0.0, 56.96 20.7, 56.55 23.5, 58.20

65 28+50 60 55

R/W -31.0, 58.68 -26.0, 58.58 -18.7, 58.28 -16.0, 57.91 0.0, 58.23 16.0, 57.91 18.7, 58.28 20.7, 58.36 R/W

2.0% 4.0% 2.0% 2.0% 2.0% 2.0% 0.9%

-32.7, 59.10 -20.7, 56.74 0.0, 57.15 20.7, 56.74 24.1, 58.39

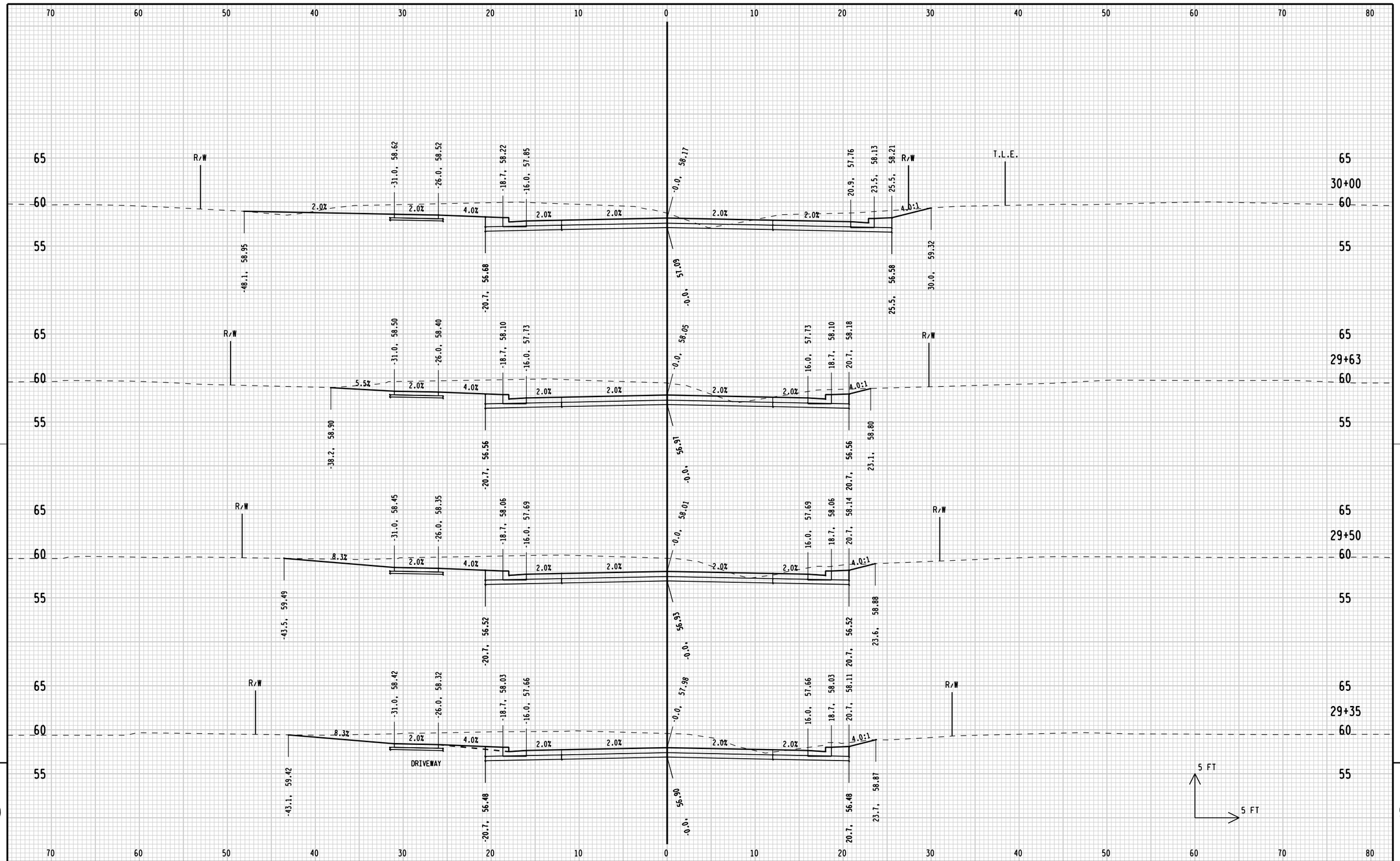
65 28+00 60 55

5 FT 5 FT

70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80

9 9

STATE PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE	COUNTY: SHEBOYGAN	CROSS SECTIONS: EISNER AVENUE	SHEET 264 E



9

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STATE PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE	COUNTY: SHEBOYGAN	CROSS SECTIONS: EISNER AVENUE	SHEET 265	E

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PLOT DATE: 10/23/2012
PLOT TIME: 9:48:19 AM
PLOT SCALE: 1:10
WISDOT/CADDS SHEET 21

70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80

65 60 55 50

CTH LS

-16.0, 58.56 | 0.0, 58.48 | 27.0, 58.34

0.5% 0.5% 0.5% 0.5%

-16.0, 57.48 | 0.0, 57.40 | 27.0, 57.27

R/W

CTH LS

30+95

R/W -31.0, 58.90 -26.0, 58.80 -18.7, 58.51 -16.0, 58.14 0.0, 58.34 27.0, 57.80 29.7, 58.18 31.7, 58.25 R/W T.L.E.

1.5% 2.0% 4.0% 1.2% 1.2% 2.0% 2.0% 4.0:1

-43.6, 59.10 -20.7, 57.00 0.0, 51.26 31.7, 56.59 37.1, 59.58

30+50

T.L.E. R/W -31.0, 58.79 -26.0, 58.69 -18.7, 58.40 -16.0, 58.03 0.0, 58.30 27.0, 57.60 29.7, 57.97 31.7, 58.05 R/W T.L.E.

2.6% 2.0% 4.0% 1.7% 1.7% 2.6% 2.6% 4.0:1

-42.5, 59.09 -20.7, 56.87 0.0, 51.22 31.7, 56.41 36.8, 59.33

30+38

R/W -31.0, 58.71 -26.0, 58.61 -18.7, 58.32 -16.0, 57.95 0.0, 58.27 25.8, 57.50 28.5, 57.87 30.5, 57.95 R/W T.L.E.

3.5% 2.0% 4.0% 2.0% 2.0% 3.0% 3.0% 4.0:1

-41.6, 59.09 -20.7, 56.80 0.0, 51.19 30.5, 56.28 35.3, 59.15

30+30

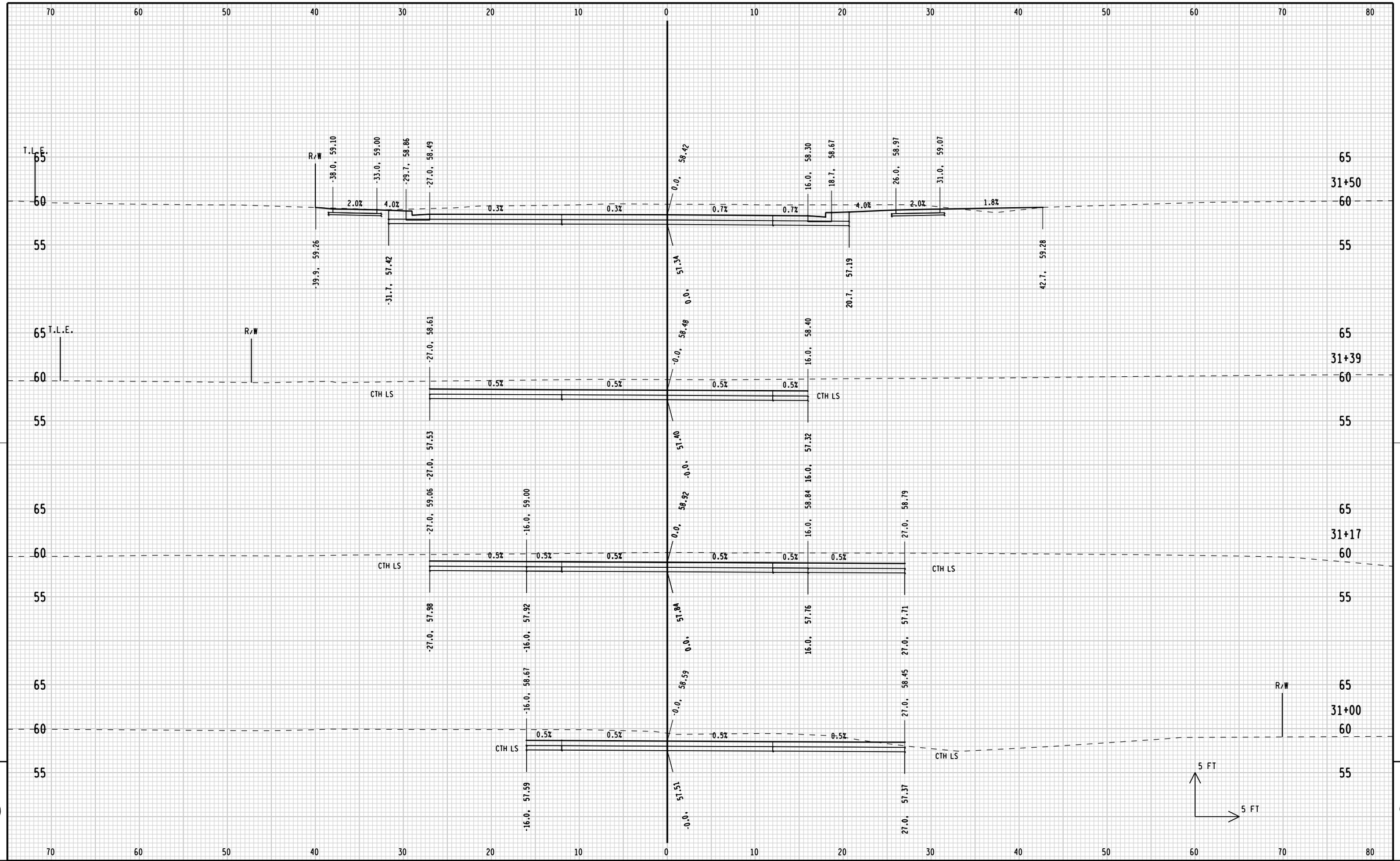
5 FT

5 FT

70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80

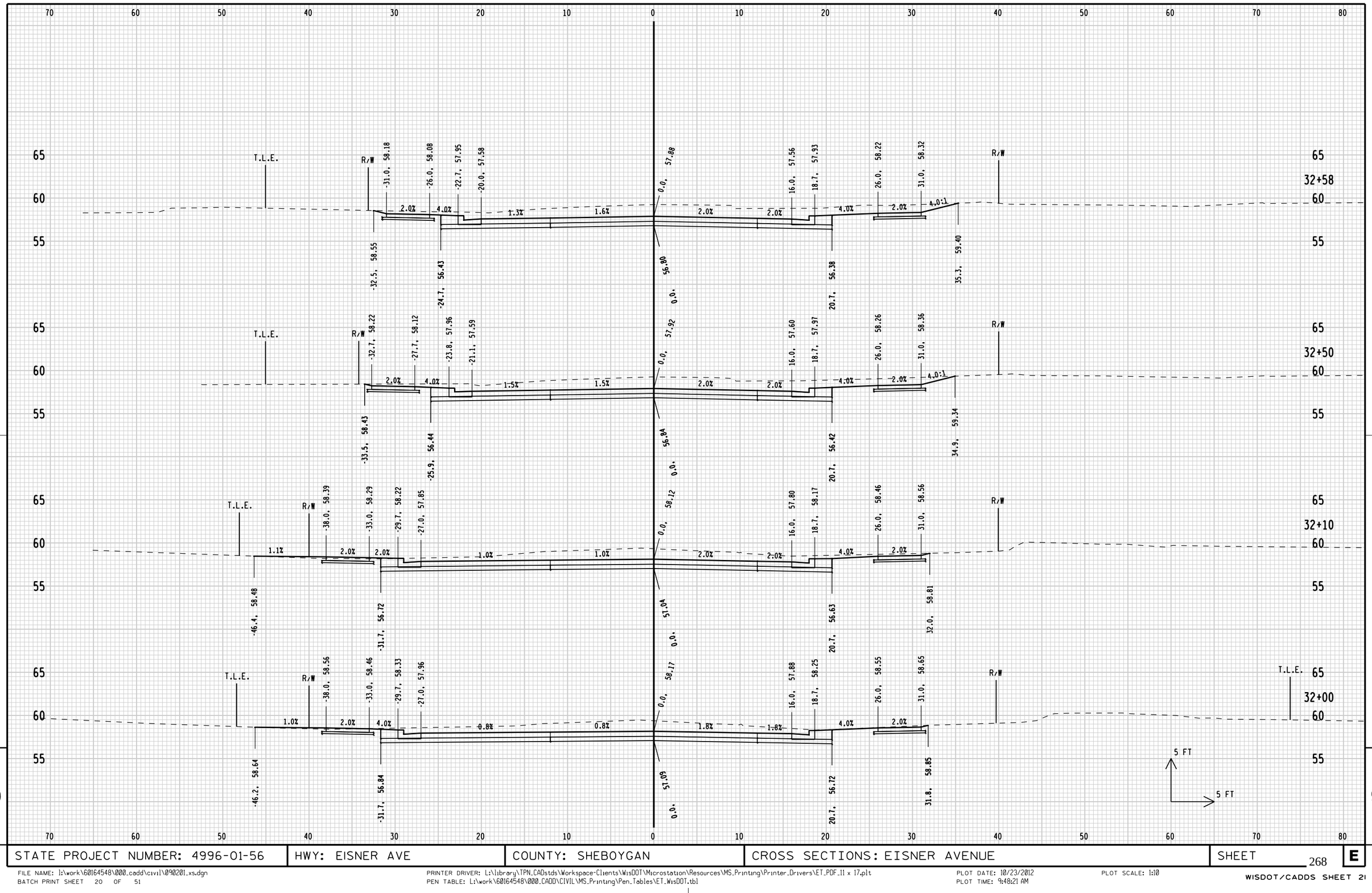
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STATE PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE	COUNTY: SHEBOYGAN	CROSS SECTIONS: EISNER AVENUE	SHEET 266 E



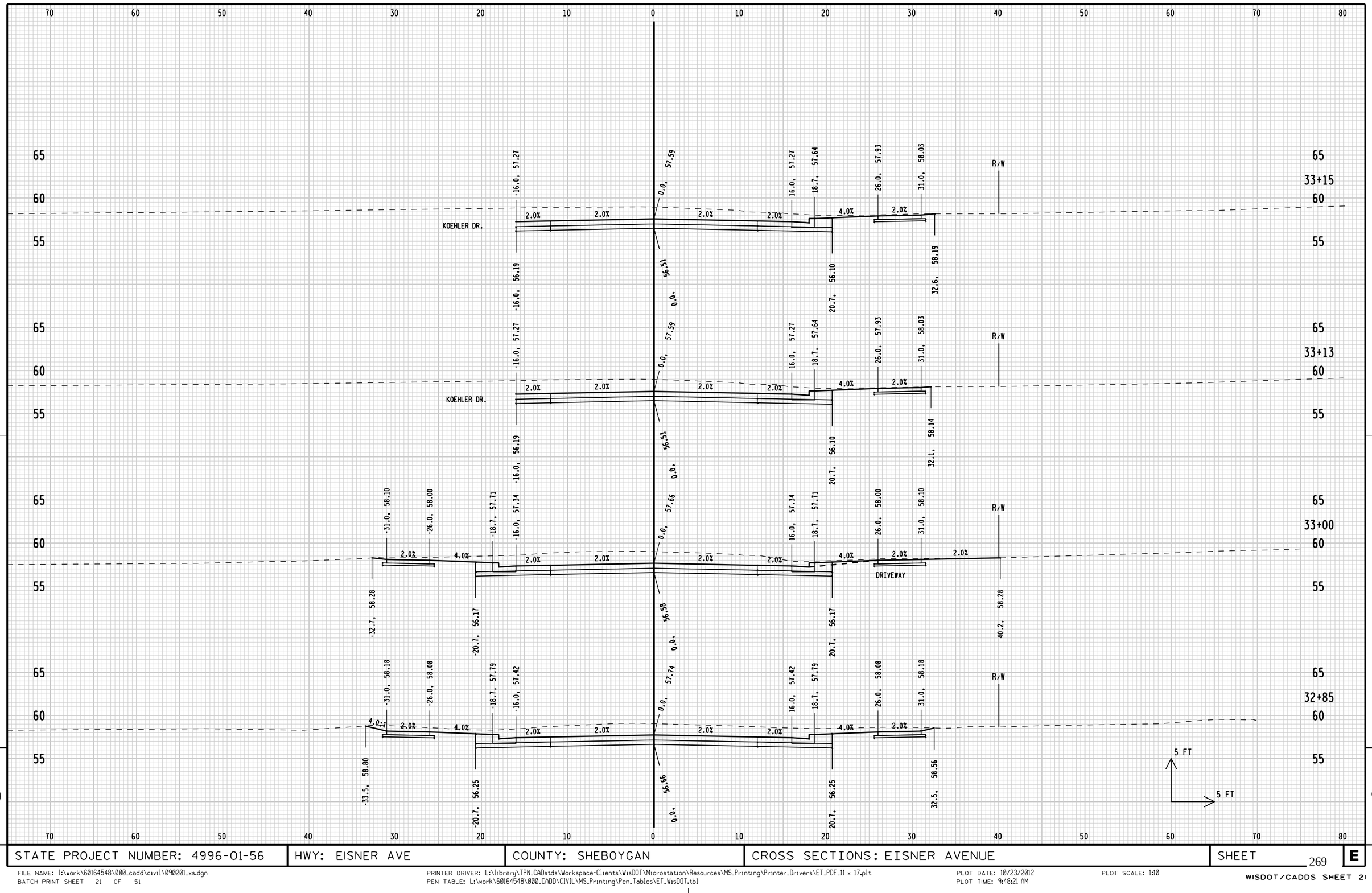
STATE PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE	COUNTY: SHEBOYGAN	CROSS SECTIONS: EISNER AVENUE	SHEET 267 E

FILE NAME: l:\work\60164548\000_cadd\civil\090201_xs.dgn
BATCH PRINT SHEET 19 OF 51
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PLOT DATE: 10/23/2012
PLOT TIME: 9:48:20 AM
PLOT SCALE: 1:10
WISDOT/CADDS SHEET 21



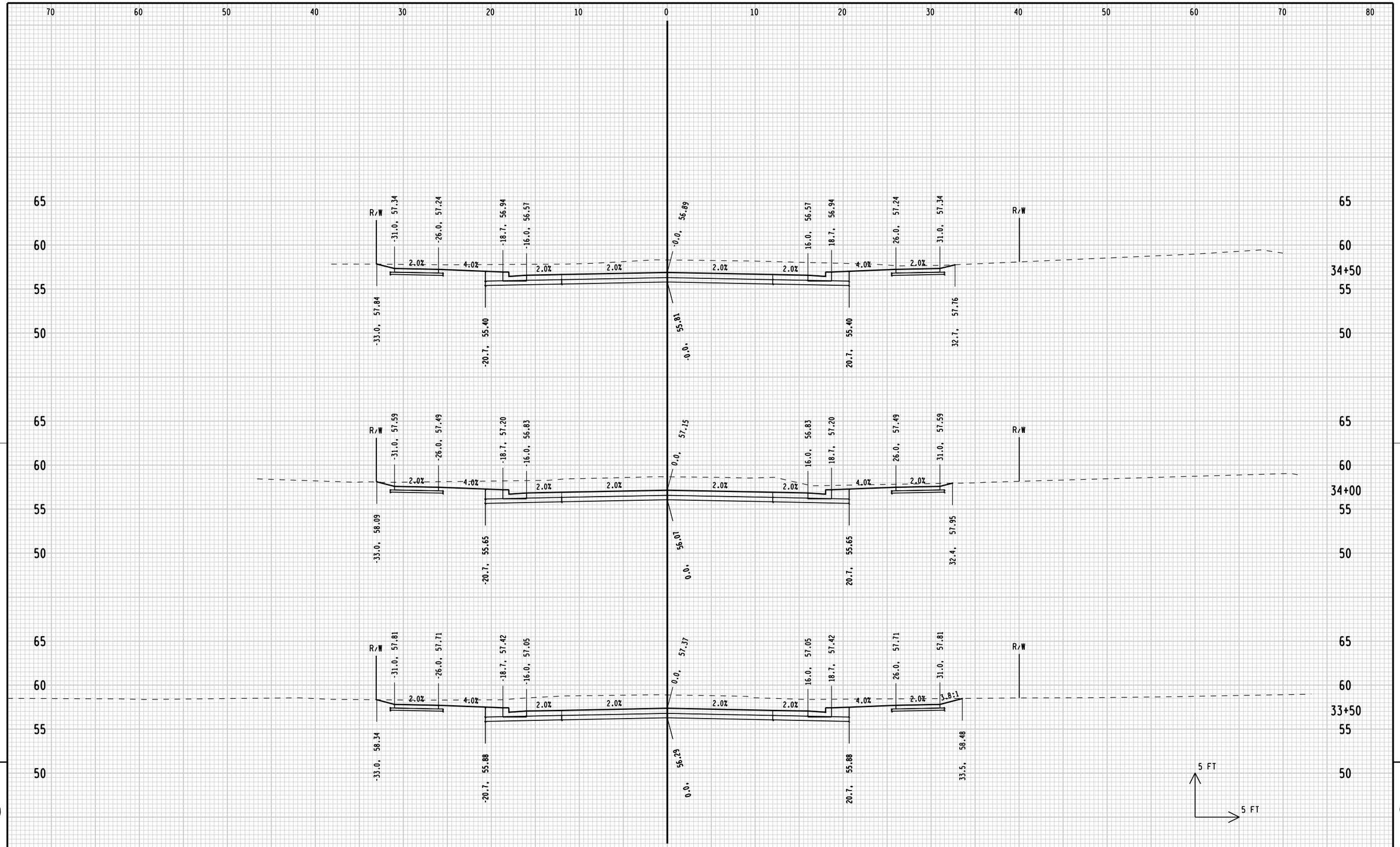
STATE PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE	COUNTY: SHEBOYGAN	CROSS SECTIONS: EISNER AVENUE	SHEET E

FILE NAME: I:\work\60164548\000_cadd\civil\090201_xs.dgn
BATCH PRINT SHEET 20 OF 51
PRINTER DRIVER: L:\library\TPN_CADstds\Workspace-Clients\WisDOT\Microstation\Resources\MS_Printing\Printer_Drivers\ET_PDF_11 x 17.plt
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PLOT DATE: 10/23/2012
PLOT TIME: 9:48:21 AM
PLOT SCALE: 1:10



STATE PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE	COUNTY: SHEBOYGAN	CROSS SECTIONS: EISNER AVENUE	SHEET E

FILE NAME: l:\work\60164548\000_cadd\civil\090201_xs.dgn
BATCH PRINT SHEET 21 OF 51
PRINTER DRIVER: L:\library\TPN_CADstds\Workspace-Clients\WisDOT\Microstation\Resources\MS_Printing\Printer_Drivers\ET_PDF_11 x 17.plt
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PLOT DATE: 10/23/2012
PLOT TIME: 9:48:21 AM
PLOT SCALE: 1:10

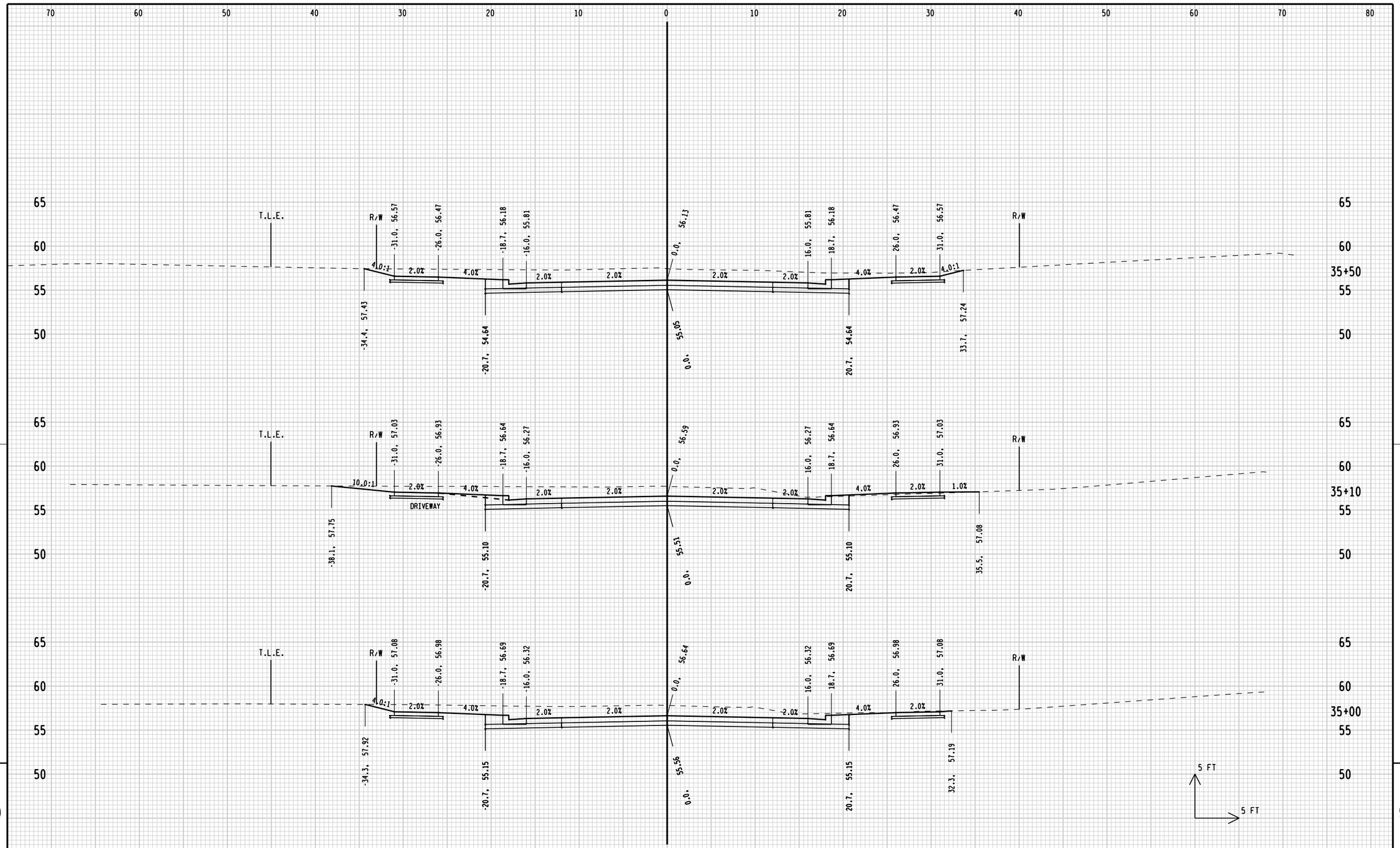


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STATE PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE	COUNTY: SHEBOYGAN	CROSS SECTIONS: EISNER AVENUE	SHEET	E

FILE NAME: l:\work\60164548\000_cadd\civil\090201_xs.dgn
BATCH PRINT SHEET 22 OF 51
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PLOT DATE: 10/23/2012
PLOT TIME: 9:48:22 AM
PLOT SCALE: 1:10
WISDOT/CADDS SHEET 21

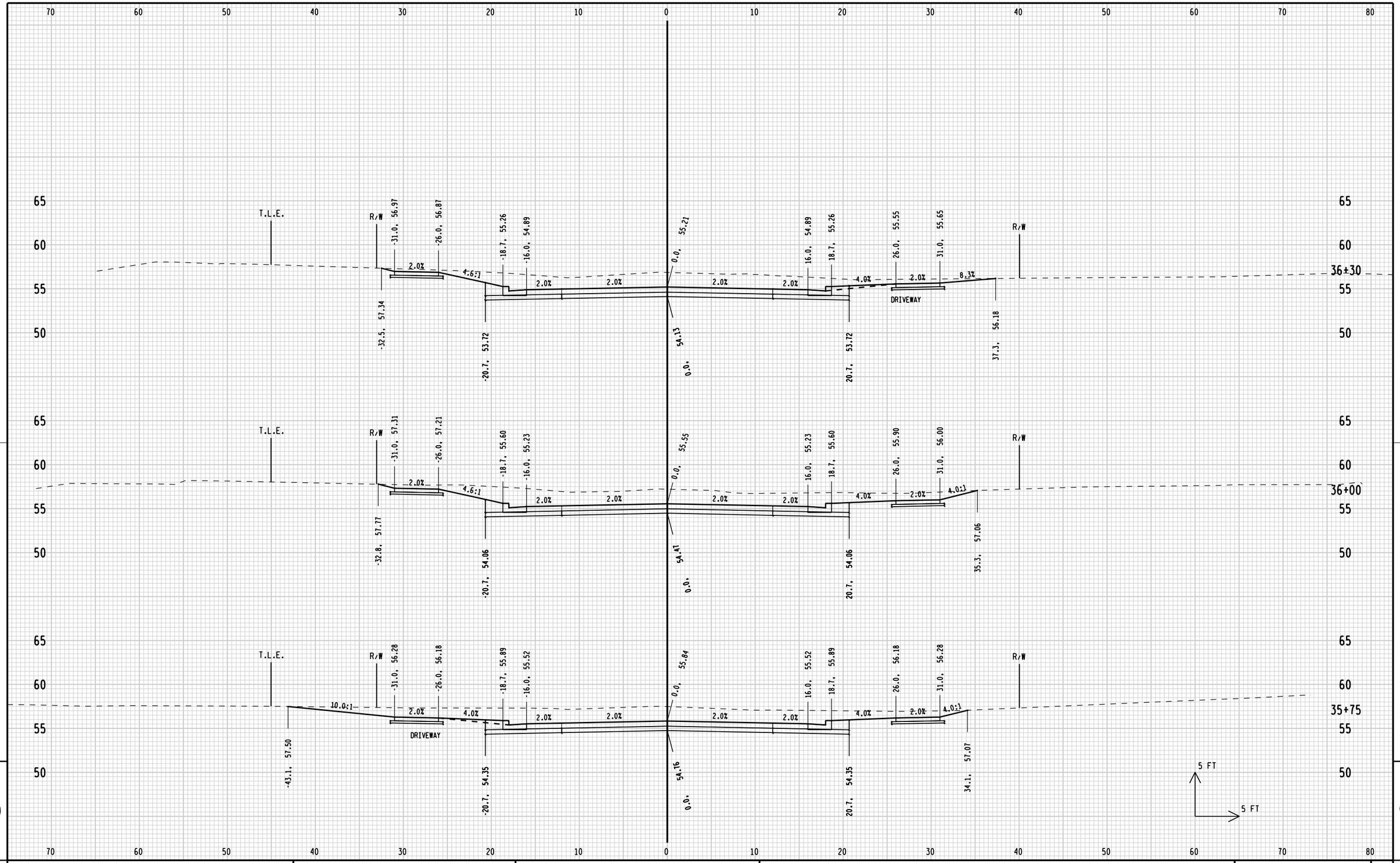


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STATE PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE	COUNTY: SHEBOYGAN	CROSS SECTIONS: EISNER AVENUE	SHEET E

FILE NAME: l:\work\60164548\000.cadd\civil\090201_xs.dgn
BATCH PRINT SHEET 23 OF 51
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WISDOT/CADDS SHEET 21

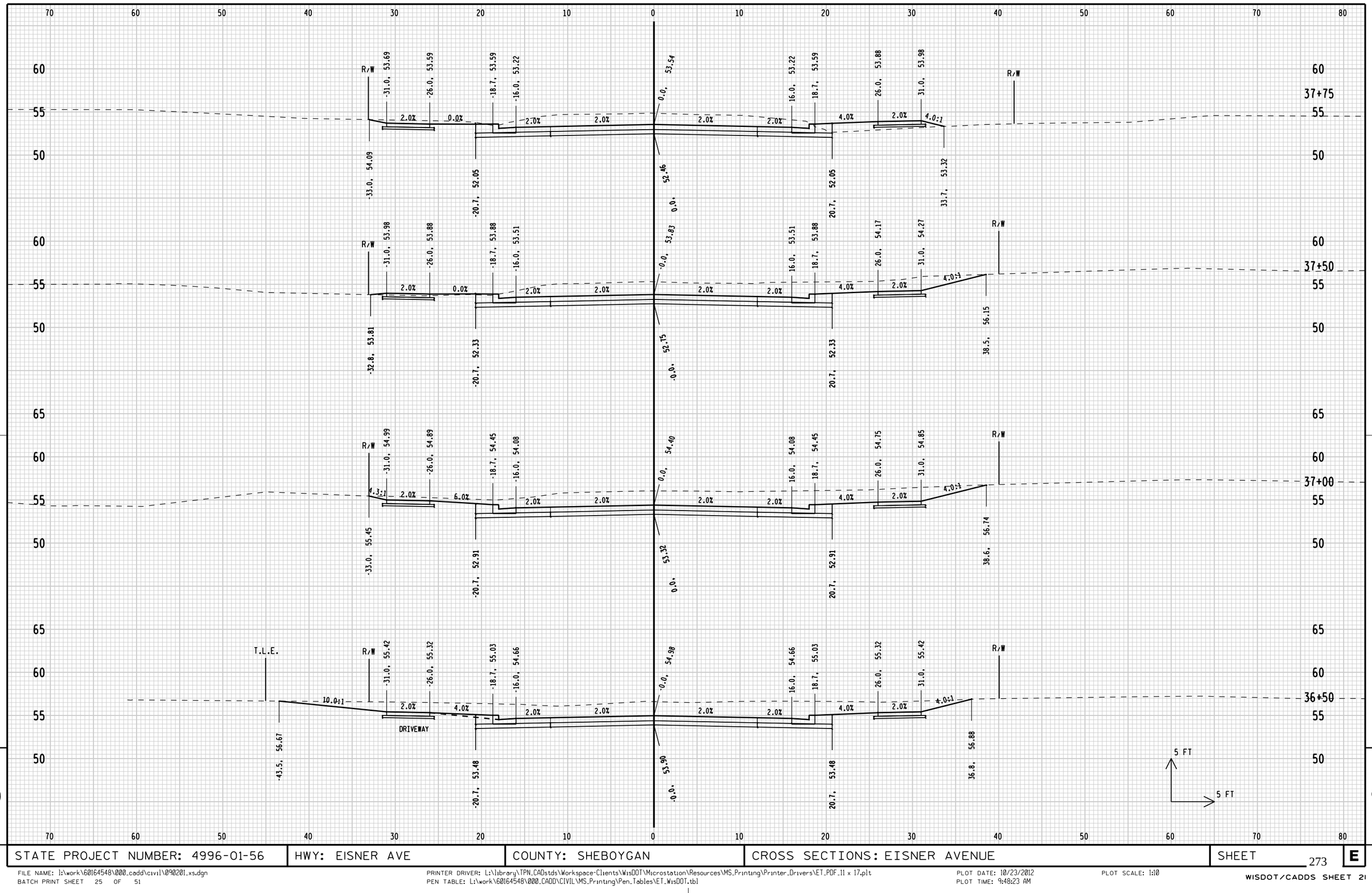


9

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STATE PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE	COUNTY: SHEBOYGAN	CROSS SECTIONS: EISNER AVENUE	SHEET	E

FILE NAME: l:\work\60164548\000_cadd\civil\090201_xs.dgn
BATCH PRINT SHEET 24 OF 51
PRINTER DRIVER: L:\library\TPN_CADstds\Workspace-Clients\WisDOT\Microstation\Resources\MS_Printing\Printer_Drivers\ET_PDF_11 x 17.plt
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PLOT TIME: 9:48:23 AM
PLOT SCALE: 1:10
WISDOT/CADDS SHEET 21



STATE PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE	COUNTY: SHEBOYGAN	CROSS SECTIONS: EISNER AVENUE	SHEET 273 E

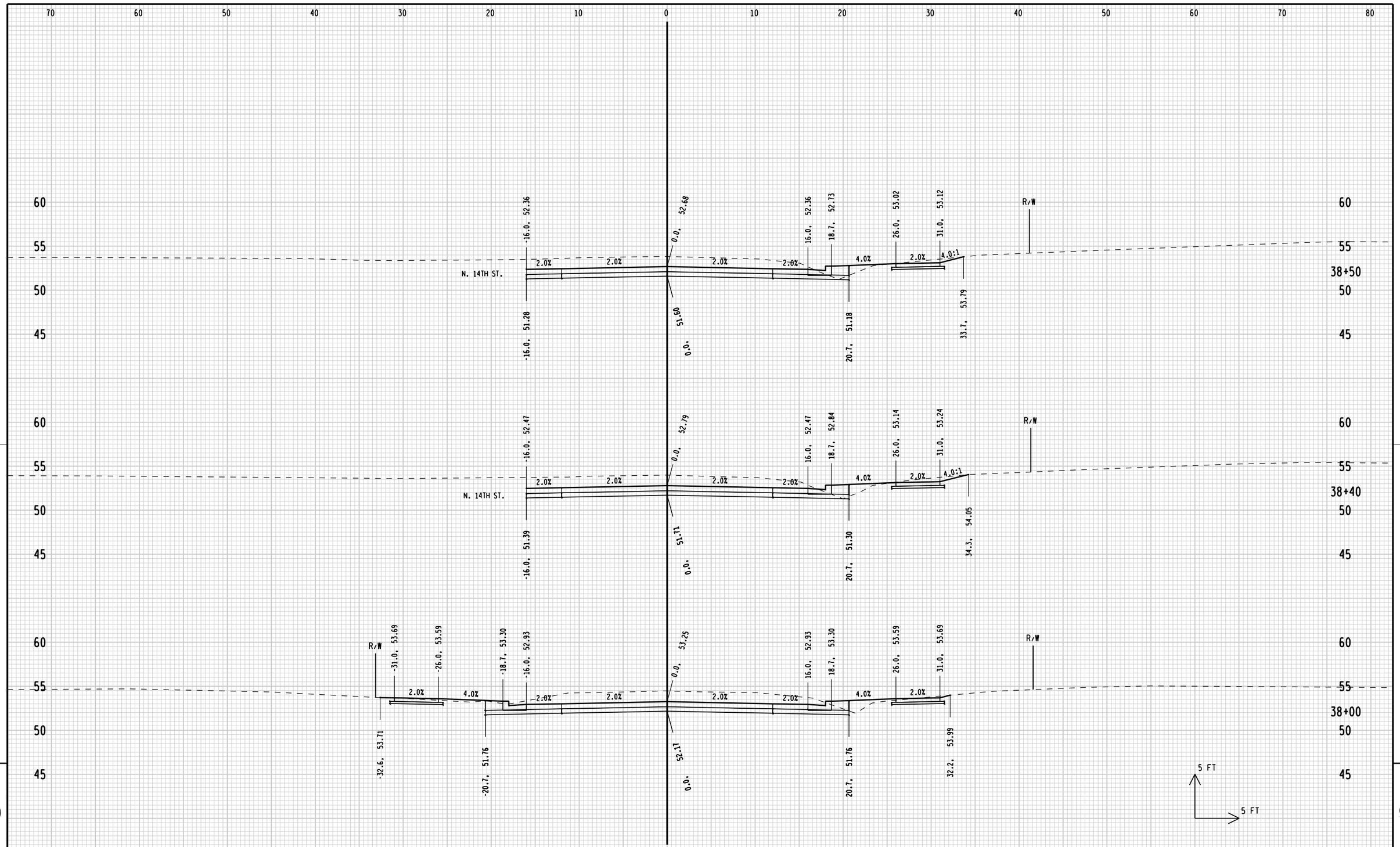
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BATCH PRINT SHEET 25 OF 51

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PLOT DATE: 10/23/2012
PLOT TIME: 9:48:23 AM

PLOT SCALE: 1:10

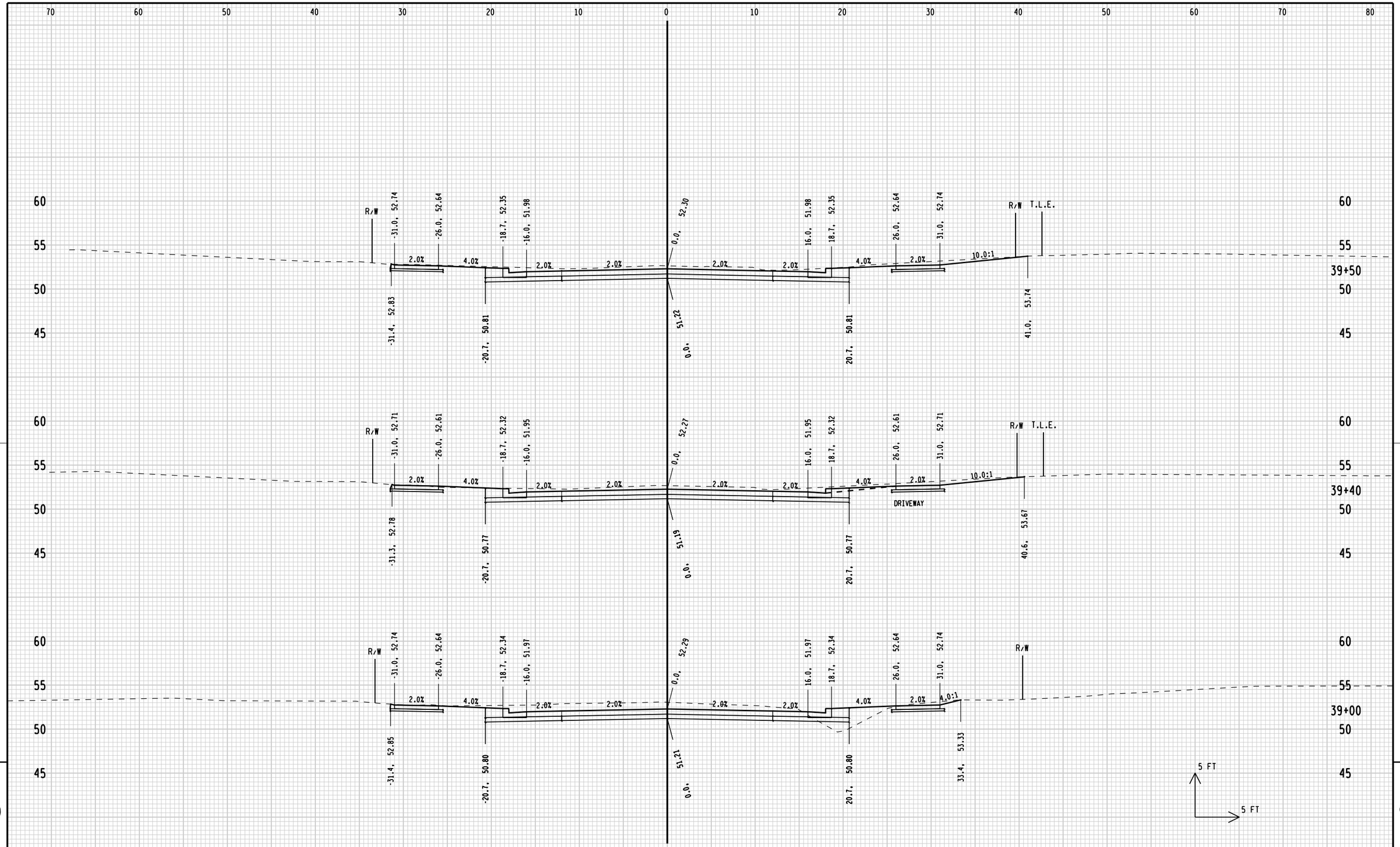
WISDOT/CADDS SHEET 21



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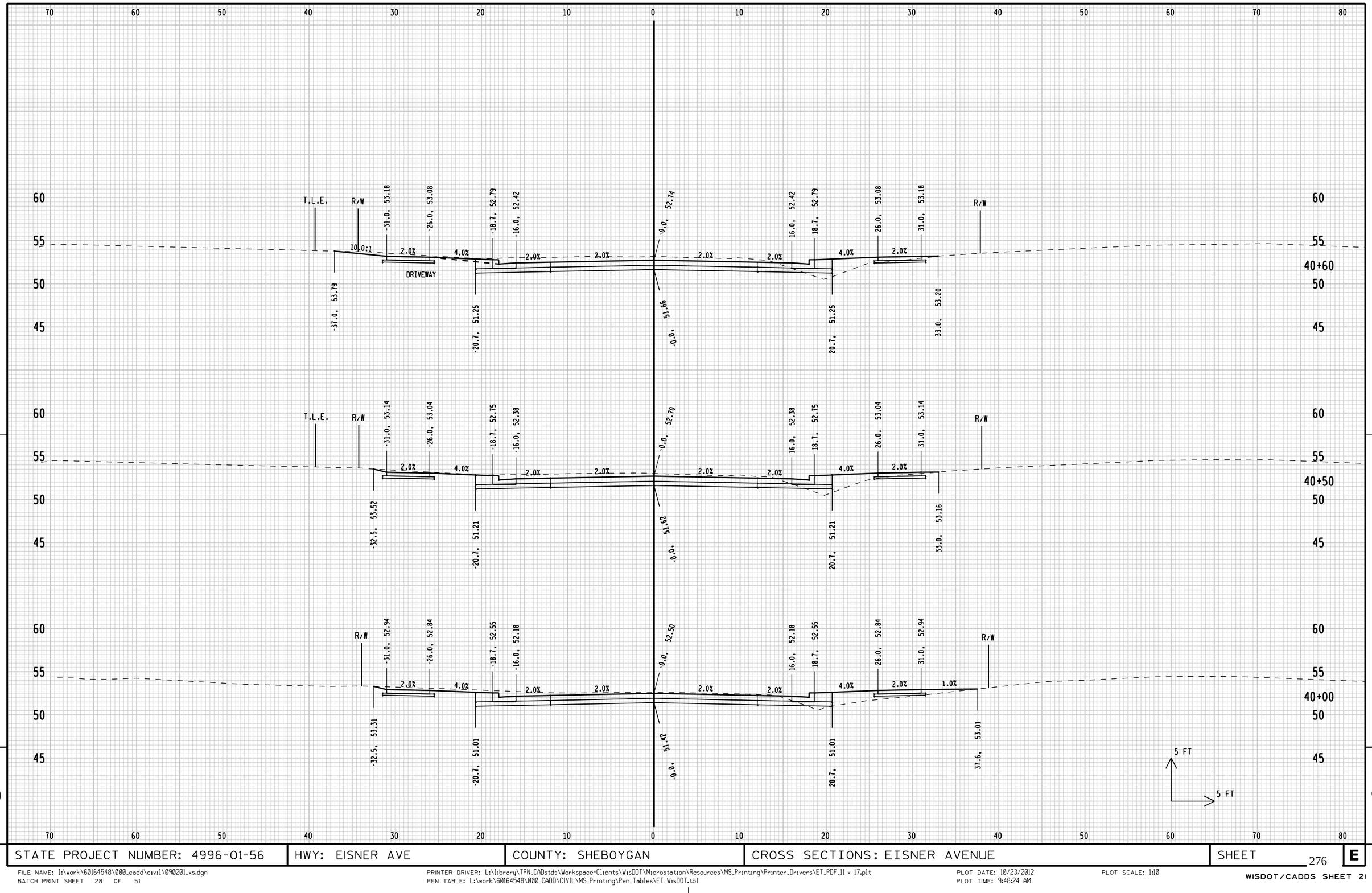
STATE PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE	COUNTY: SHEBOYGAN	CROSS SECTIONS: EISNER AVENUE	SHEET E

FILE NAME: I:\work\60164548\000_cadd\civil\090201_xs.dgn
BATCH PRINT SHEET 26 OF 51
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PLOT DATE: 10/23/2012
PLOT TIME: 9:48:24 AM
PLOT SCALE: 1:10
WISDOT/CADDS SHEET 21



STATE PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE	COUNTY: SHEBOYGAN	CROSS SECTIONS: EISNER AVENUE	SHEET	E

FILE NAME: l:\work\60164548\000_cadd\civil\090201_xs.dgn
BATCH PRINT SHEET 27 OF 51
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PLOT DATE: 10/23/2012
PLOT TIME: 9:48:24 AM
PLOT SCALE: 1:10
WISDOT/CADDS SHEET 21



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STATE PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE	COUNTY: SHEBOYGAN	CROSS SECTIONS: EISNER AVENUE	SHEET 276 E

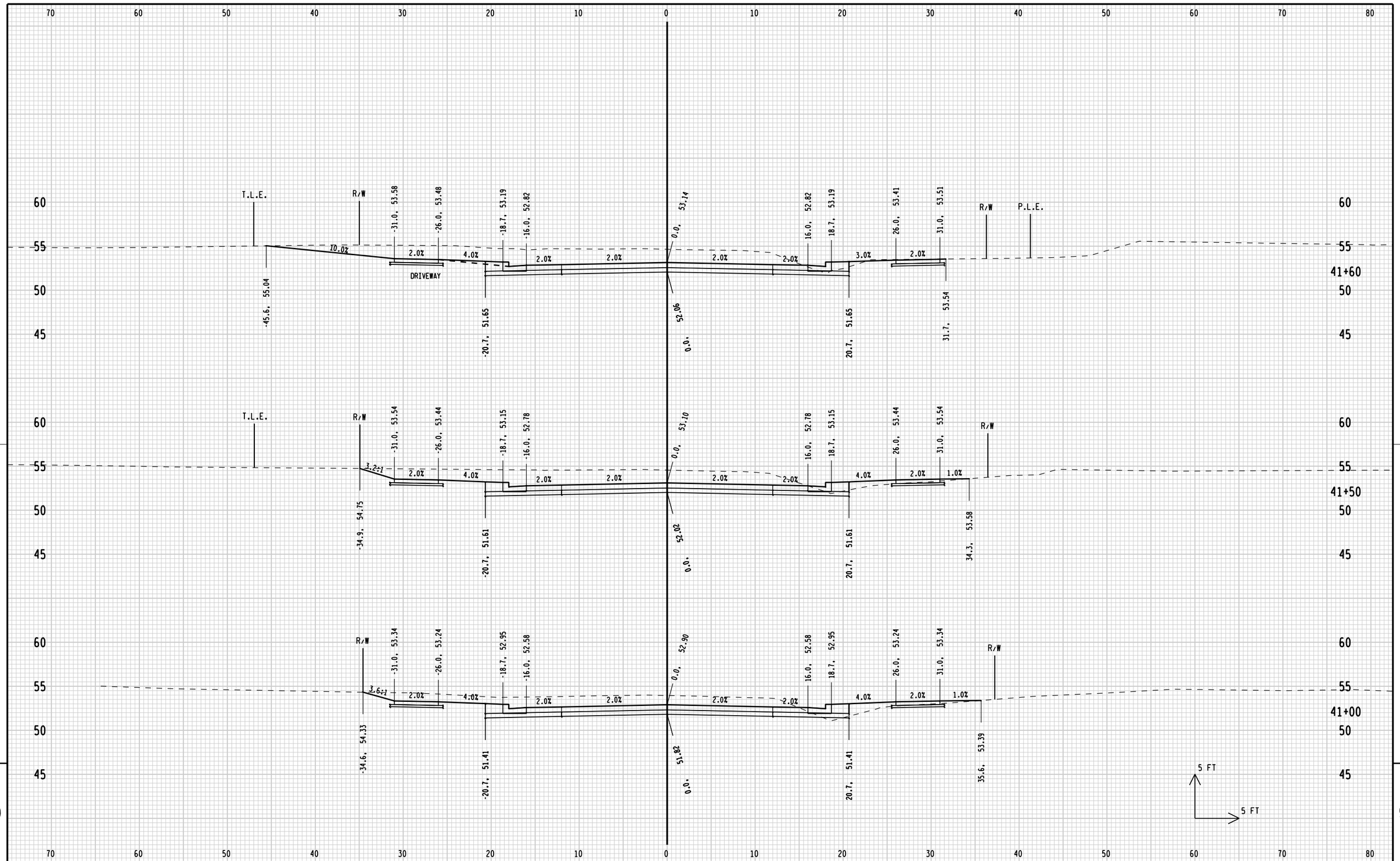
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PLOT DATE: 10/23/2012
PLOT TIME: 9:48:24 AM

PLOT SCALE: 1:10

WISDOT/CADDS SHEET 21



9

9

STATE PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE	COUNTY: SHEBOYGAN	CROSS SECTIONS: EISNER AVENUE	SHEET 277	E

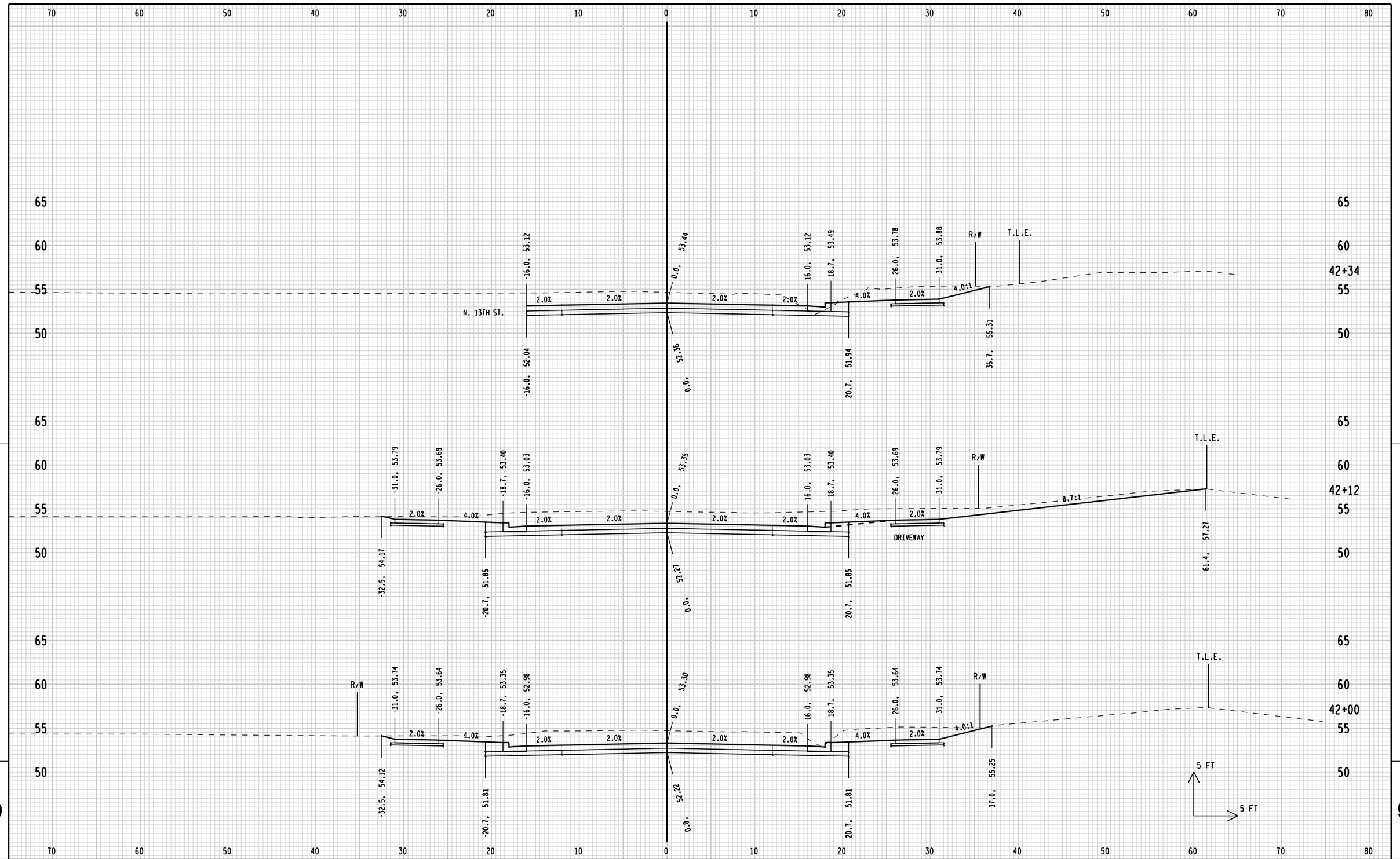
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BATCH PRINT SHEET 29 OF 51

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PLOT TIME: 9:48:25 AM

PLOT SCALE: 1:10

WISDOT/CADDS SHEET 21

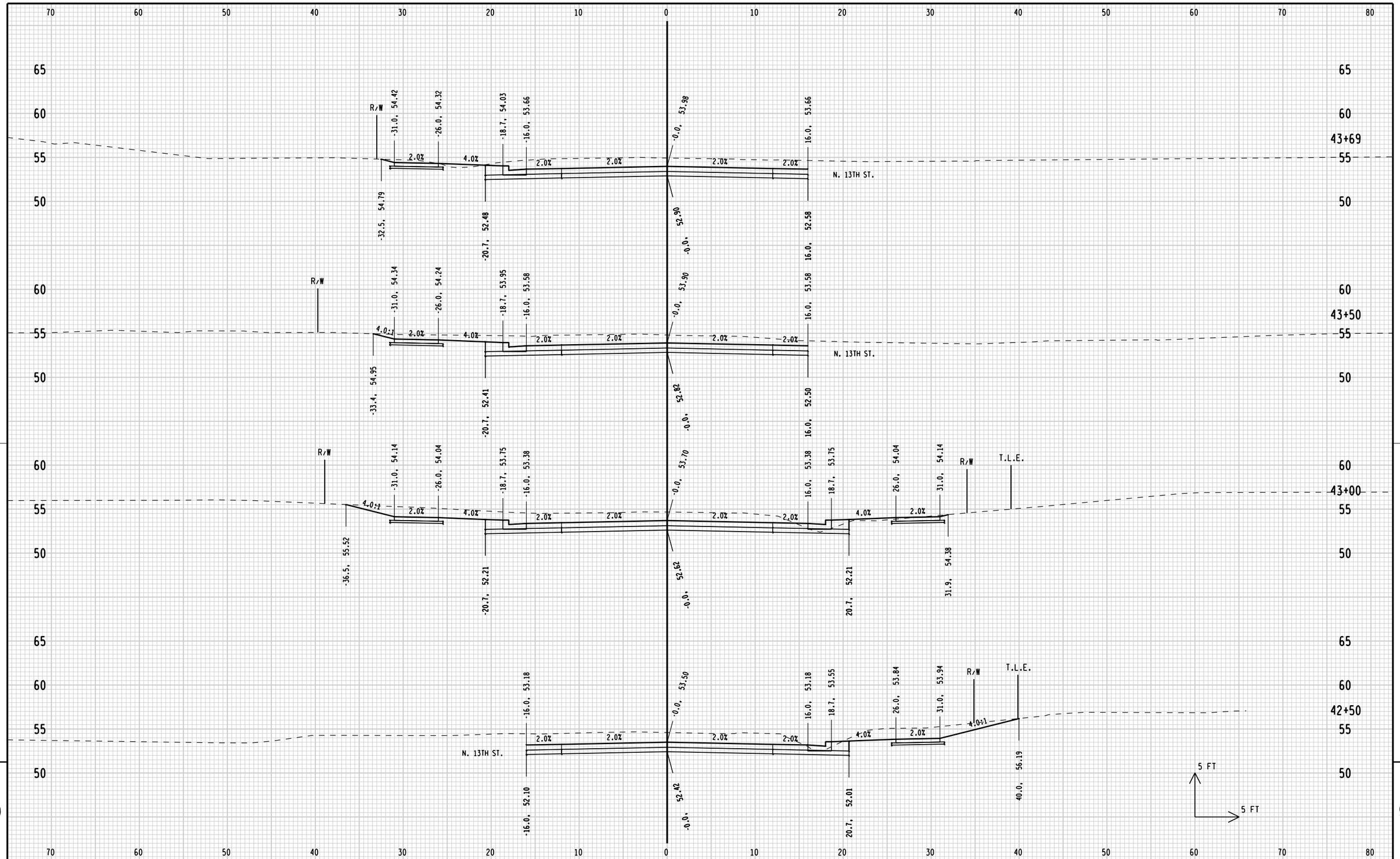


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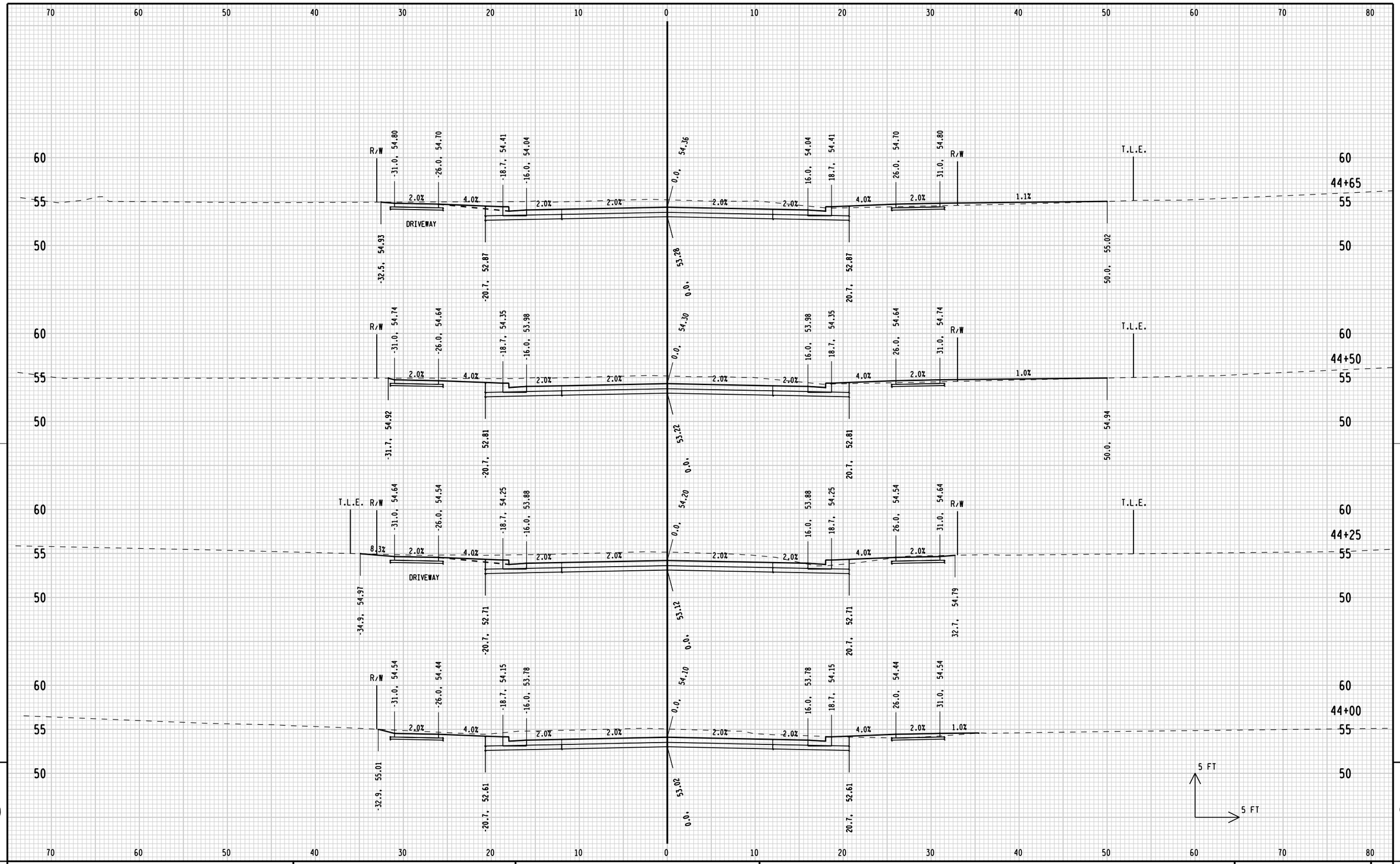
STATE PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE	COUNTY: SHEBOYGAN	CROSS SECTIONS: EISNER AVENUE	SHEET 278	E

FILE NAME: l:\work\60164548\000_cadd\civil\090201_xs.dgn
BATCH PRINT SHEET 30 OF 51
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PLOT DATE: 10/23/2012
PLOT TIME: 9:48:25 AM
PLOT SCALE: 1:10
WISDOT/CADDS SHEET 21



STATE PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE	COUNTY: SHEBOYGAN	CROSS SECTIONS: EISNER AVENUE	SHEET 279 E

FILE NAME: l:\work\60164548\000_cadd\civil\090201_xs.dgn
BATCH PRINT SHEET 31 OF 51
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PLOT DATE: 10/23/2012
PLOT TIME: 9:48:26 AM
PLOT SCALE: 1:10
WISDOT/CADDS SHEET 21



STATE PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE	COUNTY: SHEBOYGAN	CROSS SECTIONS: EISNER AVENUE	SHEET 280 E

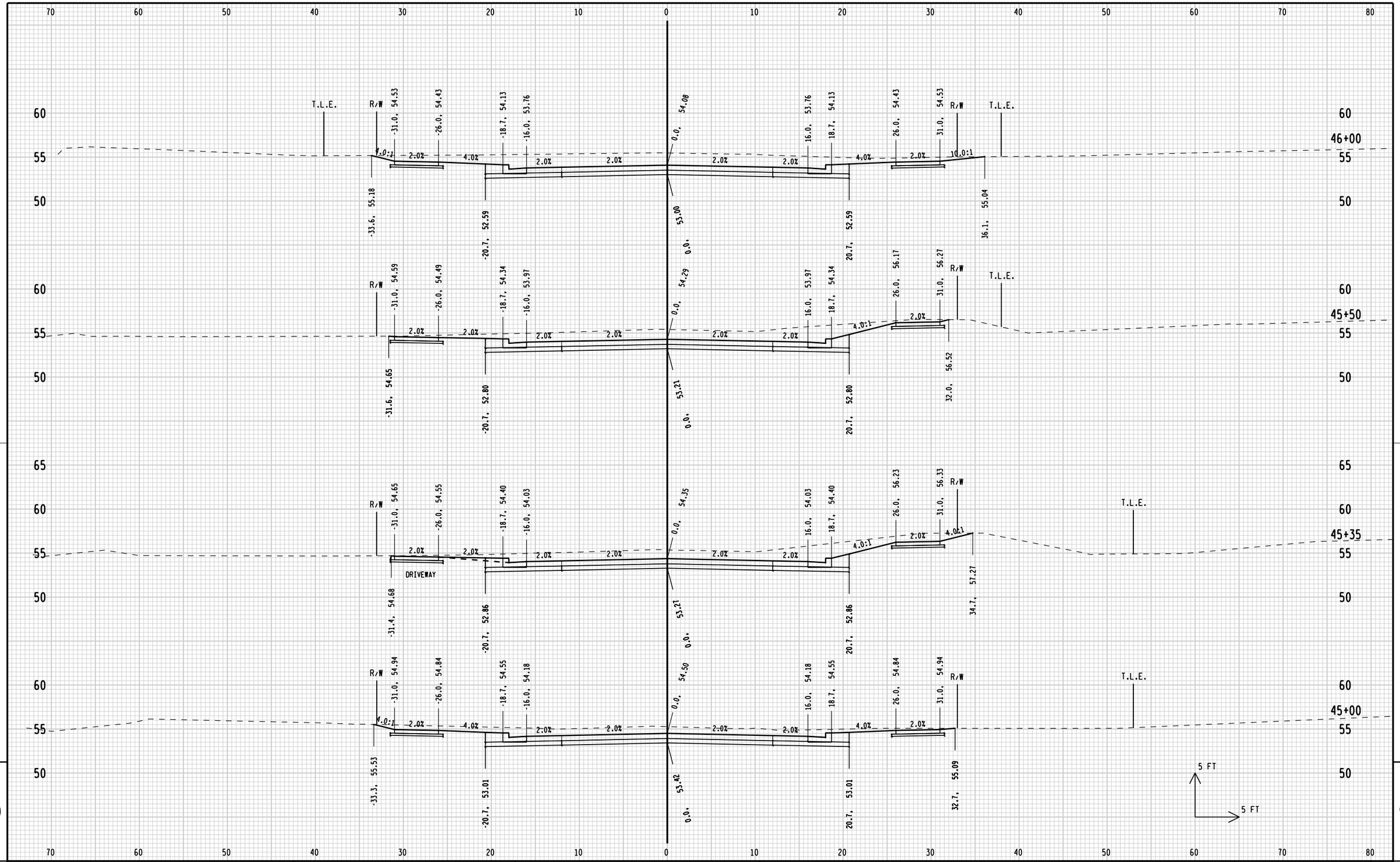
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BATCH PRINT SHEET 32 OF 51

PRINTER DRIVER: L:\library\TPN_CADstds\Workspace-Clients\WisDOT\Microstation\Resources\MS_Printing\Printer_Drivers\ET_PDF_11 x 17.plt
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PLOT DATE: 10/23/2012
PLOT TIME: 9:48:26 AM

PLOT SCALE: 1:10

WISDOT/CADDS SHEET 21



STATE PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE	COUNTY: SHEBOYGAN	CROSS SECTIONS: EISNER AVENUE	SHEET 281 E

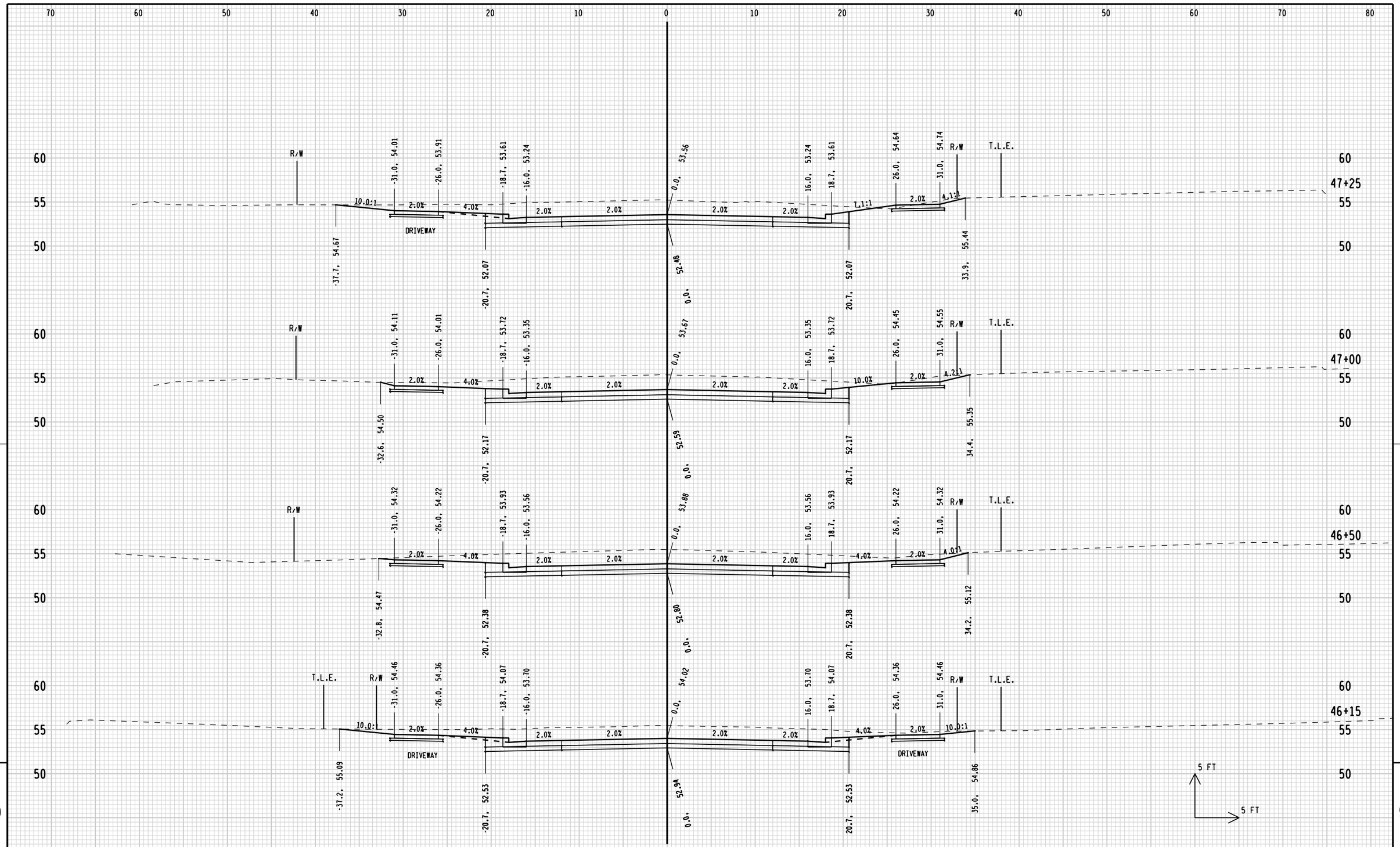
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BATCH PRINT SHEET 33 OF 51

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PLOT DATE: 10/23/2012
PLOT TIME: 9:48:27 AM

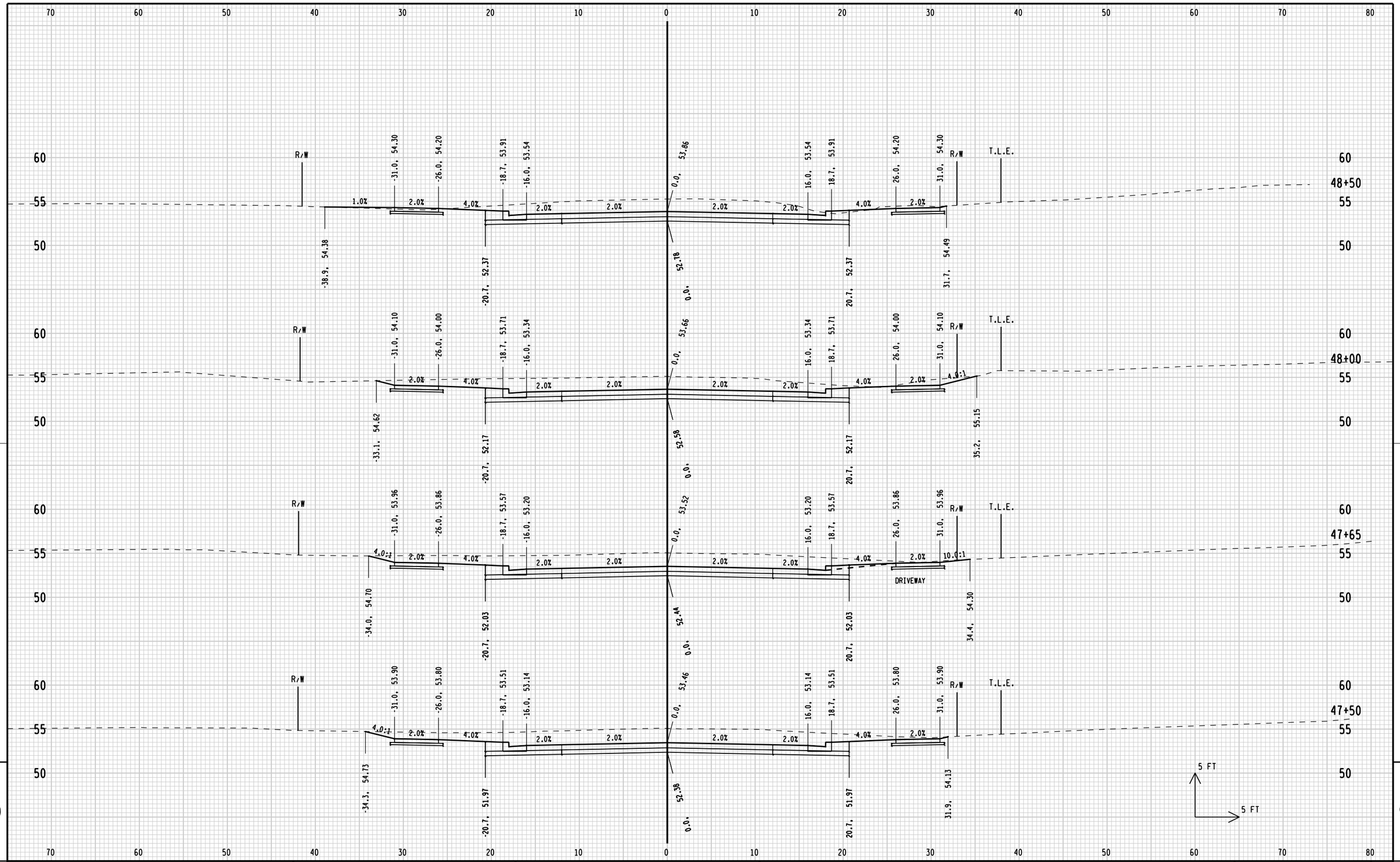
PLOT SCALE: 1:10

WISDOT/CADDS SHEET 21



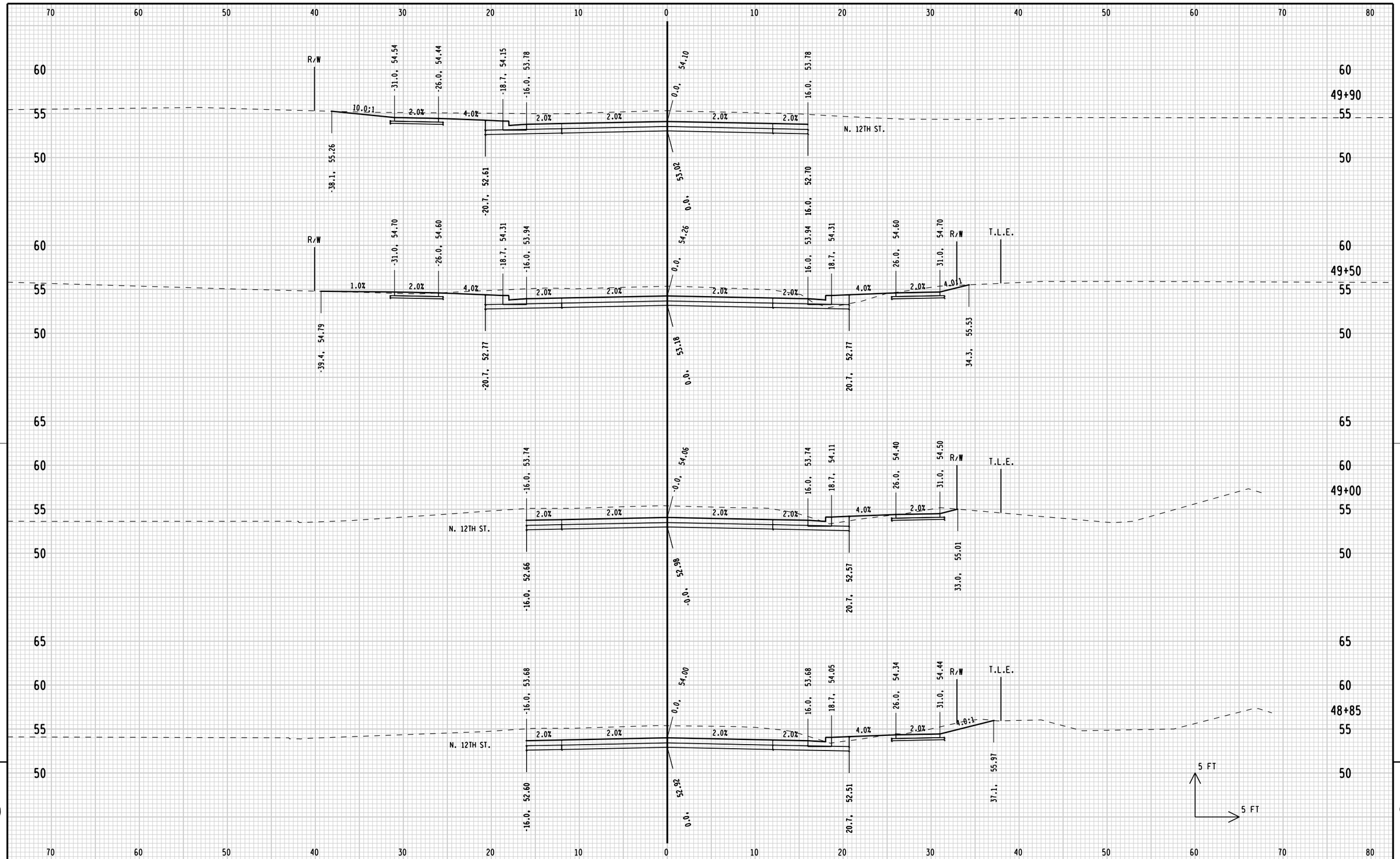
STATE PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE	COUNTY: SHEBOYGAN	CROSS SECTIONS: EISNER AVENUE	SHEET 282 E

FILE NAME: l:\work\60164548\000.cadd\civil\090201_xs.dgn
BATCH PRINT SHEET 34 OF 51
PRINTER DRIVER: L:\library\TPN_CADstds\Workspace-Clients\WisDOT\Microstation\Resources\MS_Printing\Printer_Drivers\ET_PDF_11 x 17.plt
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PLOT TIME: 9:48:27 AM
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WISDOT/CADDS SHEET 21



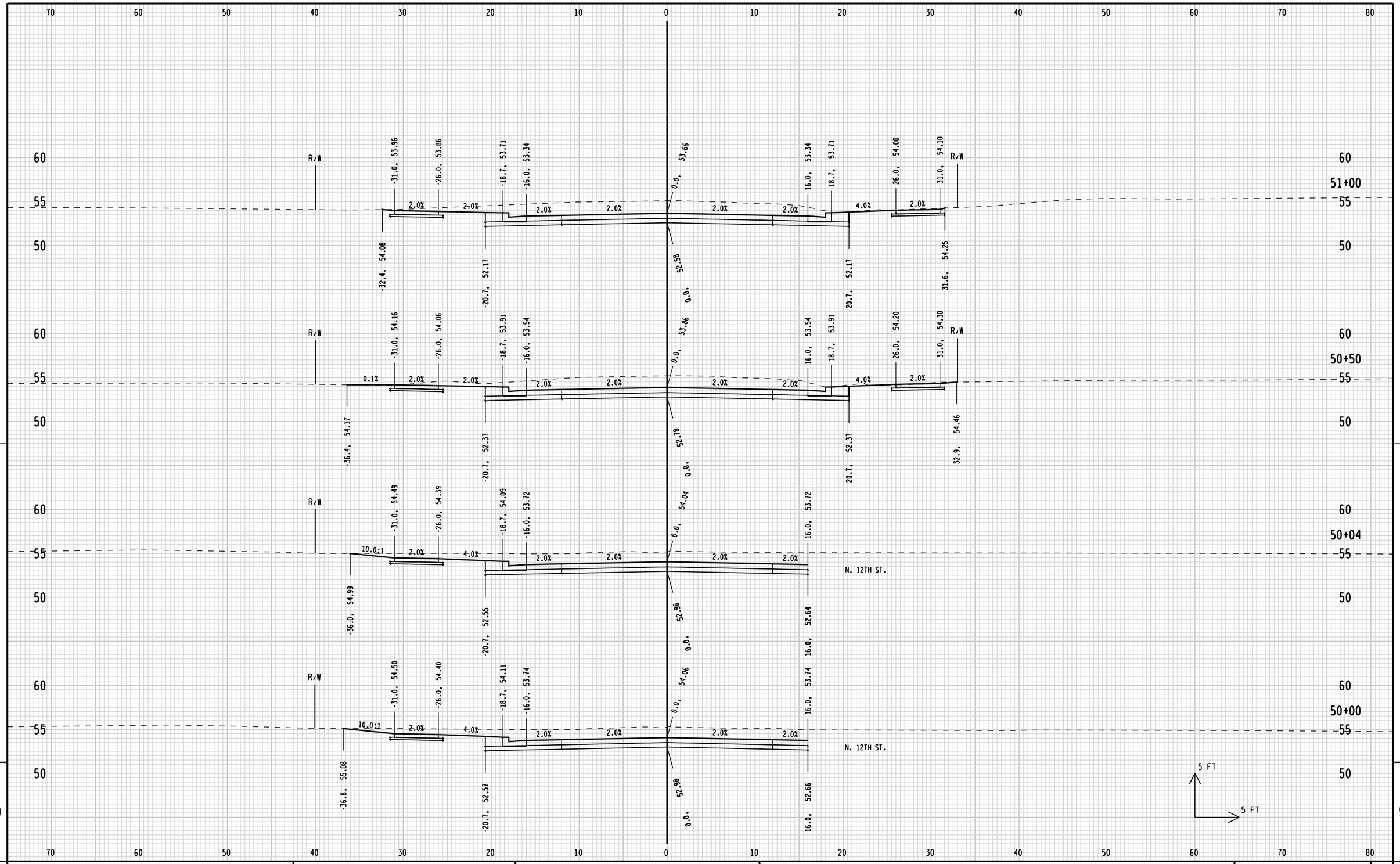
STATE PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE	COUNTY: SHEBOYGAN	CROSS SECTIONS: EISNER AVENUE	SHEET 283 E

FILE NAME: l:\work\60164548\000_cadd\civil\090201_xs.dgn
BATCH PRINT SHEET 35 OF 51
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PLOT DATE: 10/23/2012
PLOT TIME: 9:48:28 AM
PLOT SCALE: 1:10
WISDOT/CADDS SHEET 21



STATE PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE	COUNTY: SHEBOYGAN	CROSS SECTIONS: EISNER AVENUE	SHEET 284 E

FILE NAME: l:\work\60164548\000_cadd\civil\090201_xs.dgn
BATCH PRINT SHEET 36 OF 51
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PLOT TIME: 9:48:28 AM
PLOT SCALE: 1:10
WISDOT/CADDS SHEET 21

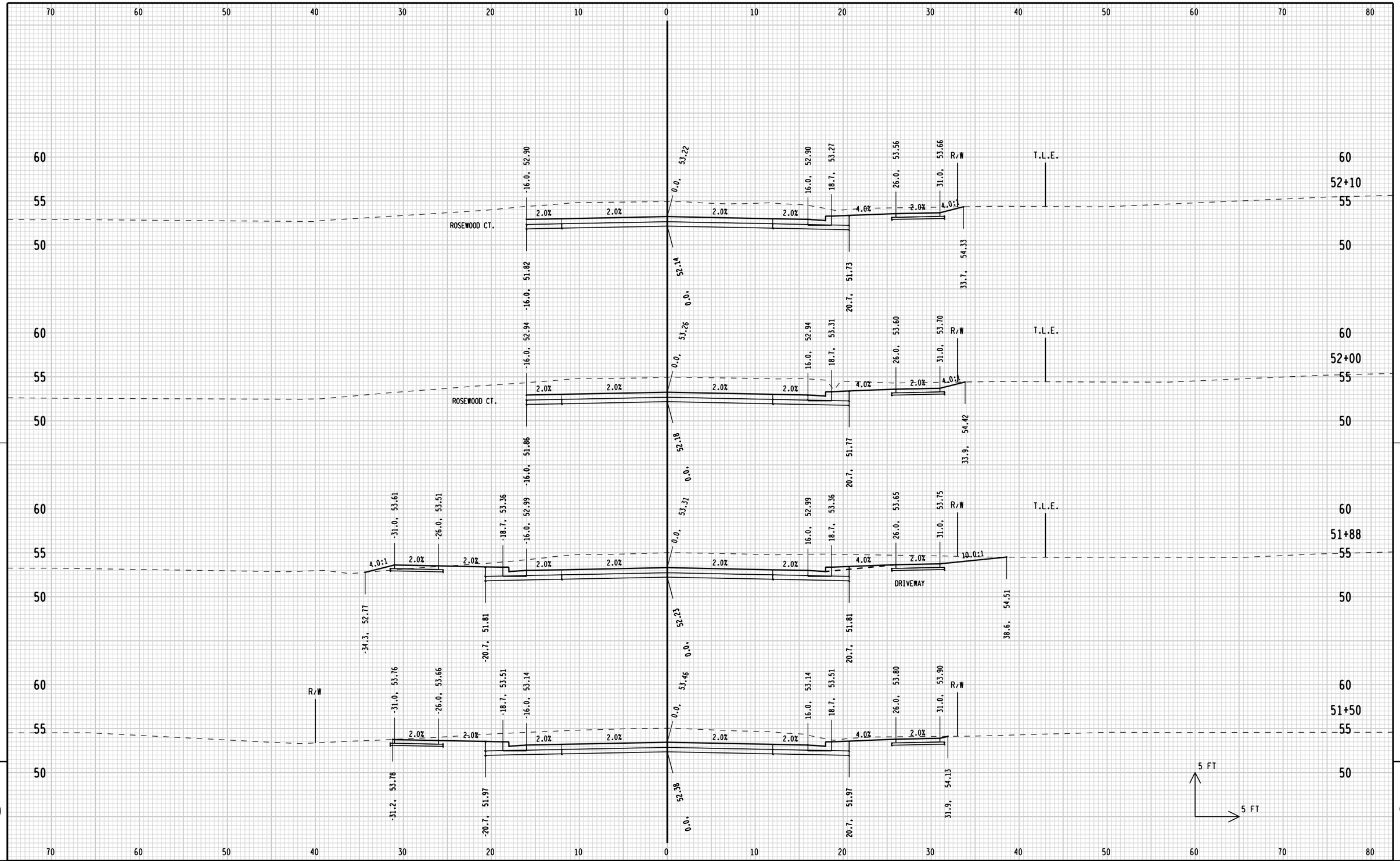


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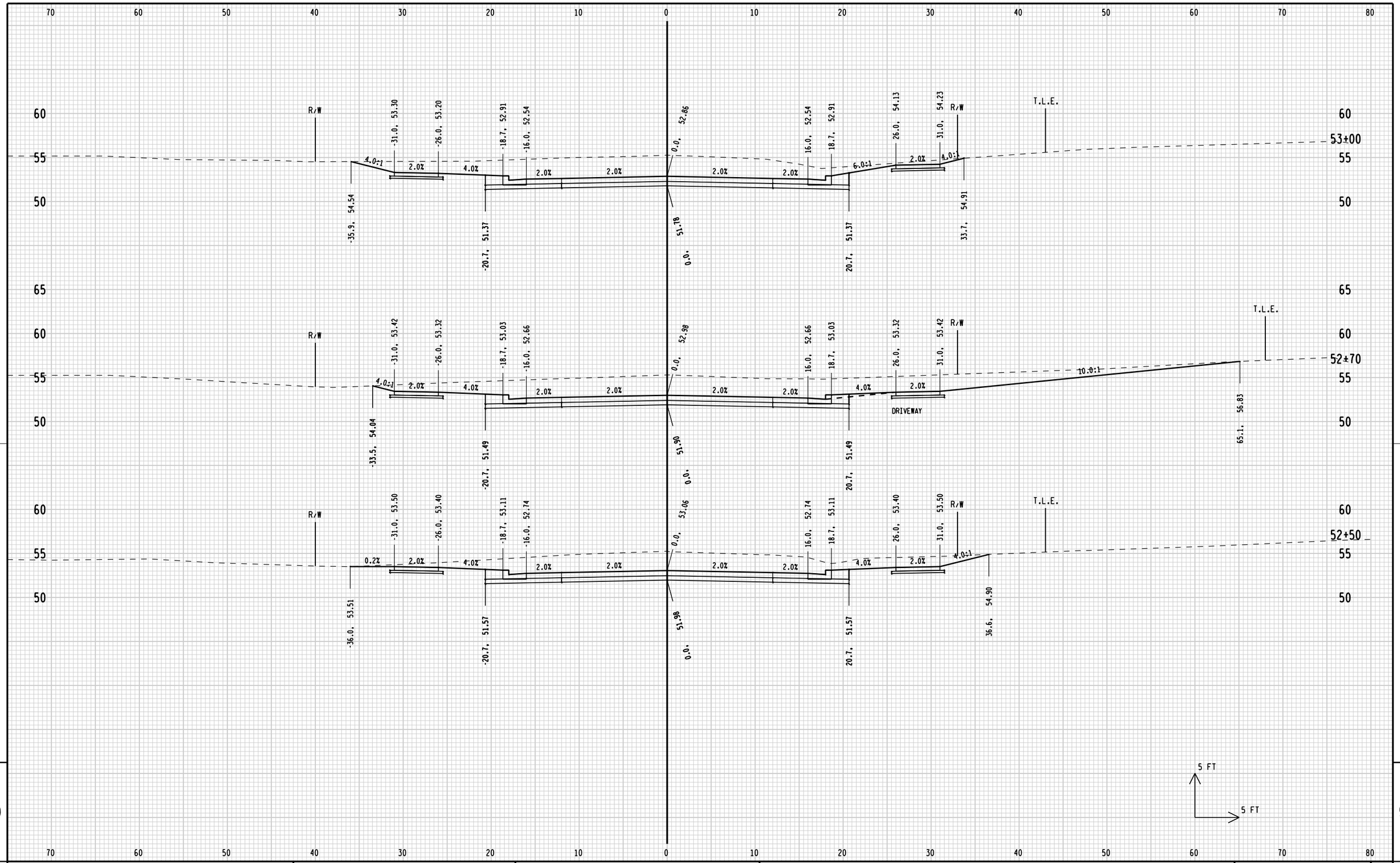
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STATE PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE	COUNTY: SHEBOYGAN	CROSS SECTIONS: EISNER AVENUE	SHEET	E

FILE NAME: I:\work\60164548\000_cadd\civil\090201_xs.dgn
BATCH PRINT SHEET 37 OF 51
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PLOT TIME: 9:48:29 AM
PLOT SCALE: 1:10
WISDOT/CADDS SHEET 21

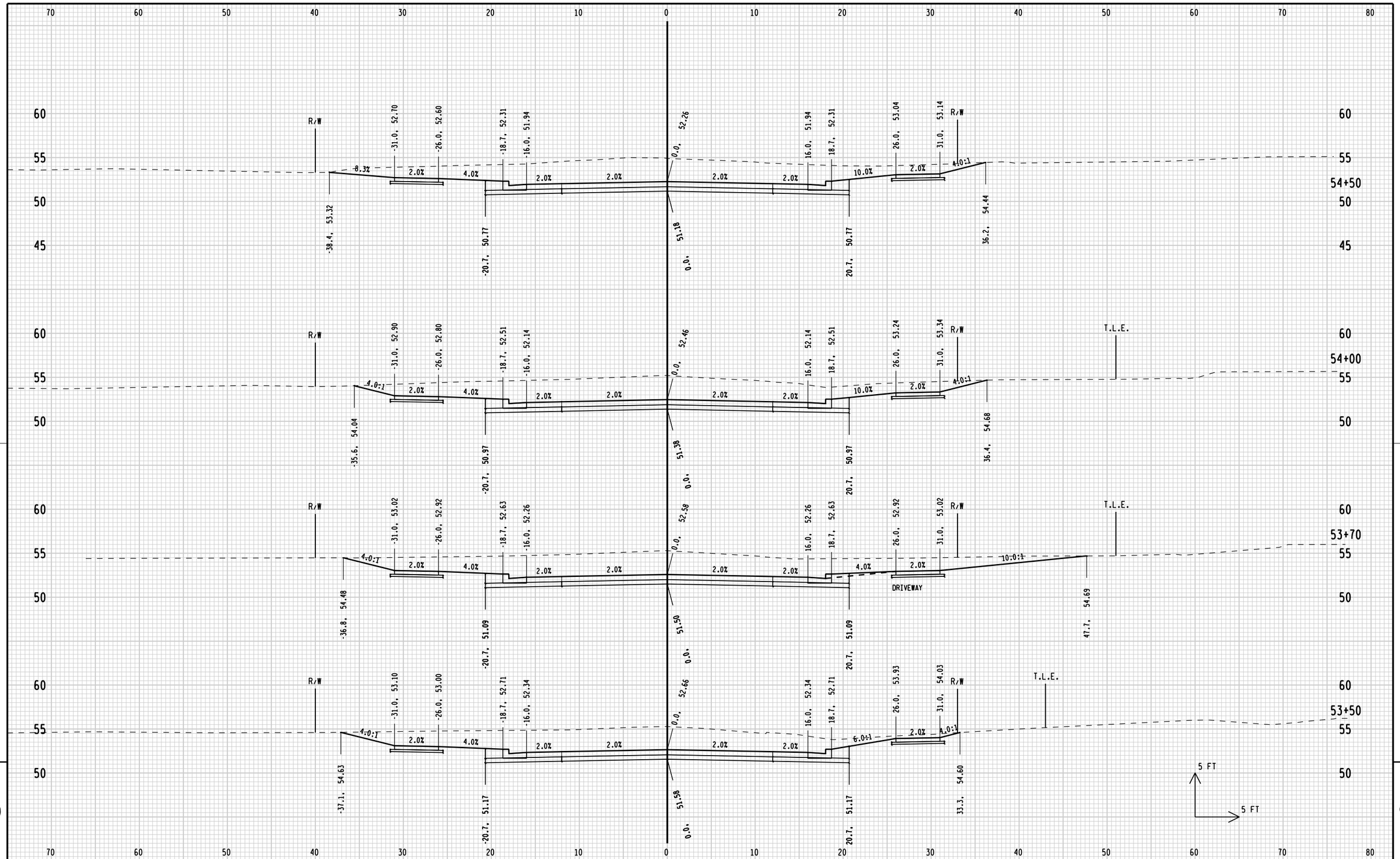


STATE PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE	COUNTY: SHEBOYGAN	CROSS SECTIONS: EISNER AVENUE	SHEET 286 E

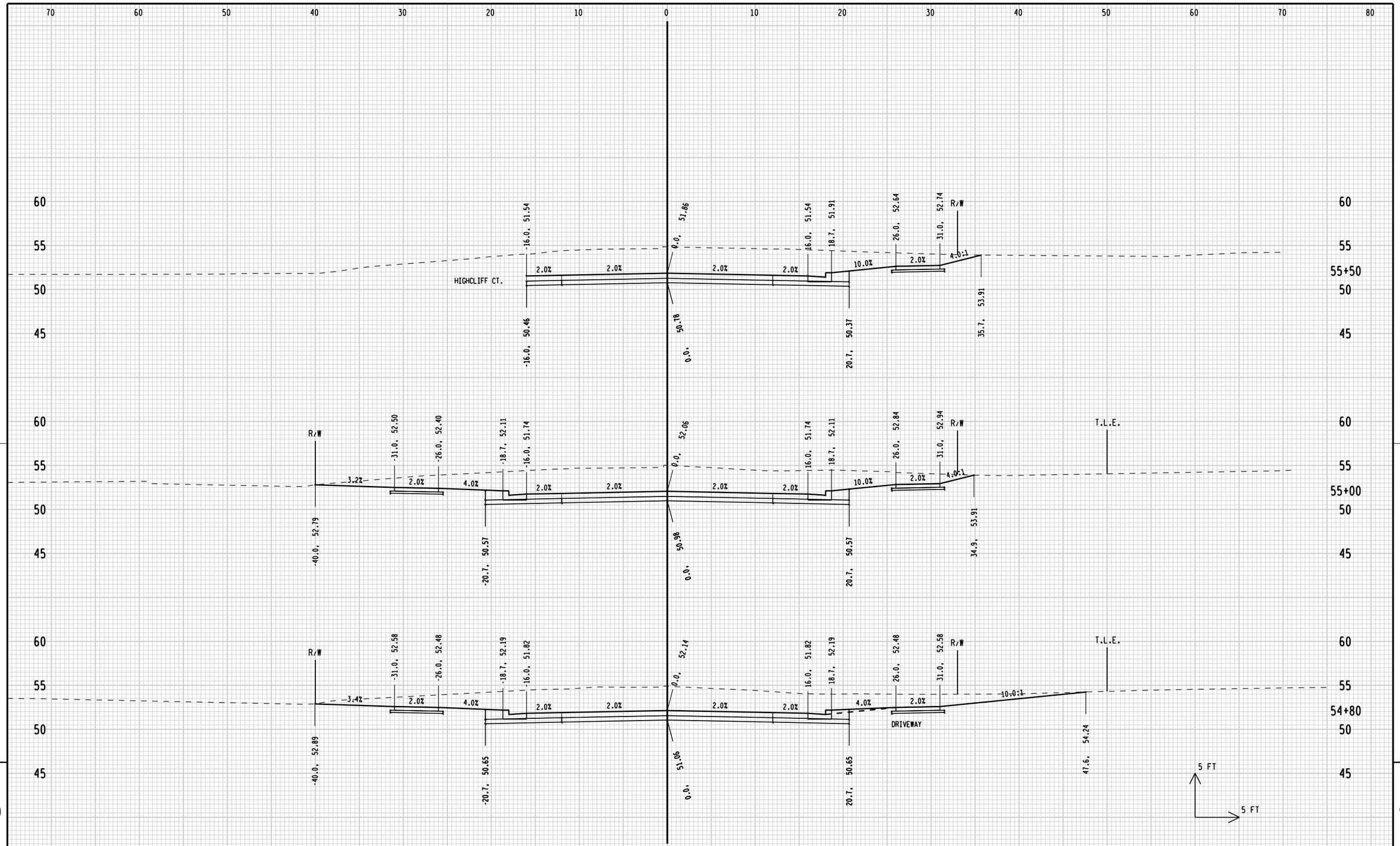


STATE PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE	COUNTY: SHEBOYGAN	CROSS SECTIONS: EISNER AVENUE	SHEET 287 E

FILE NAME: l:\work\60164548\000_cadd\civil\090201_xs.dgn
BATCH PRINT SHEET 39 OF 51
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PLOT TIME: 9:48:30 AM
PLOT SCALE: 1:10
WISDOT/CADDS SHEET 21



STATE PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE	COUNTY: SHEBOYGAN	CROSS SECTIONS: EISNER AVENUE	SHEET 288 E

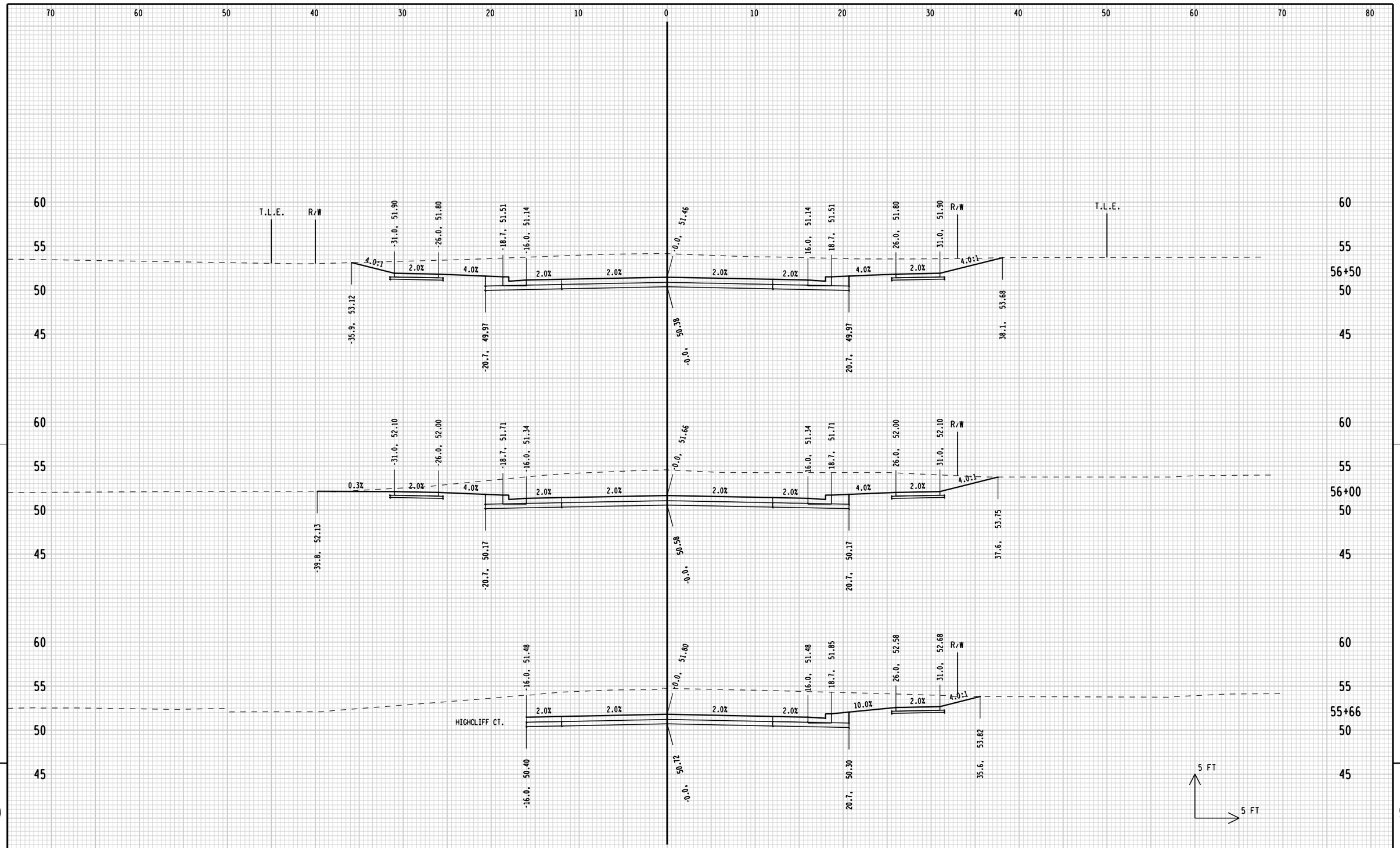


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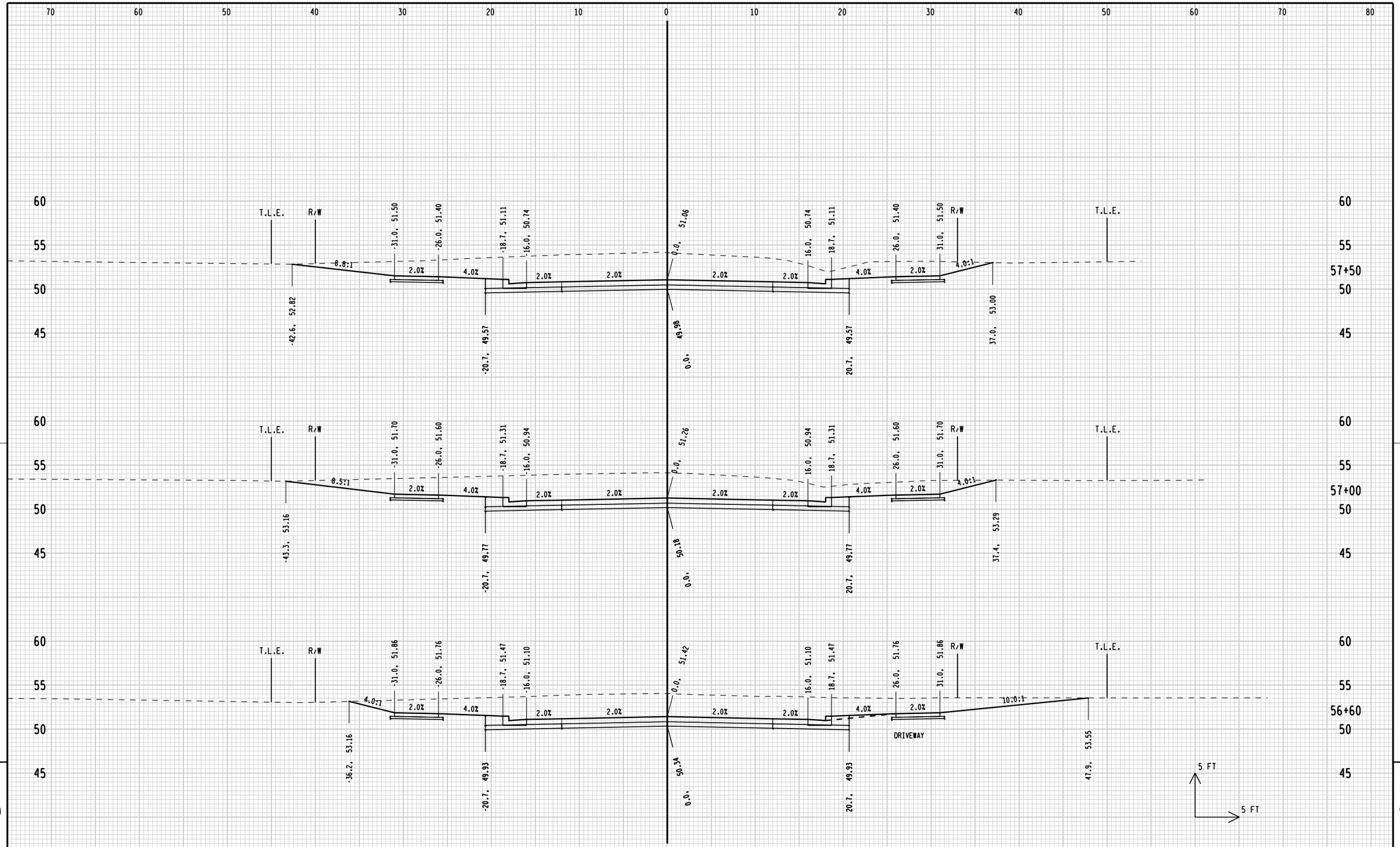
STATE PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE	COUNTY: SHEBOYGAN	CROSS SECTIONS: EISNER AVENUE	SHEET 289 E

FILE NAME: l:\work\60164548\000_cadd\civil\090201_xs.dgn
BATCH PRINT SHEET 41 OF 51
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PLOT SCALE: 1:10
WISDOT/CADDS SHEET 21



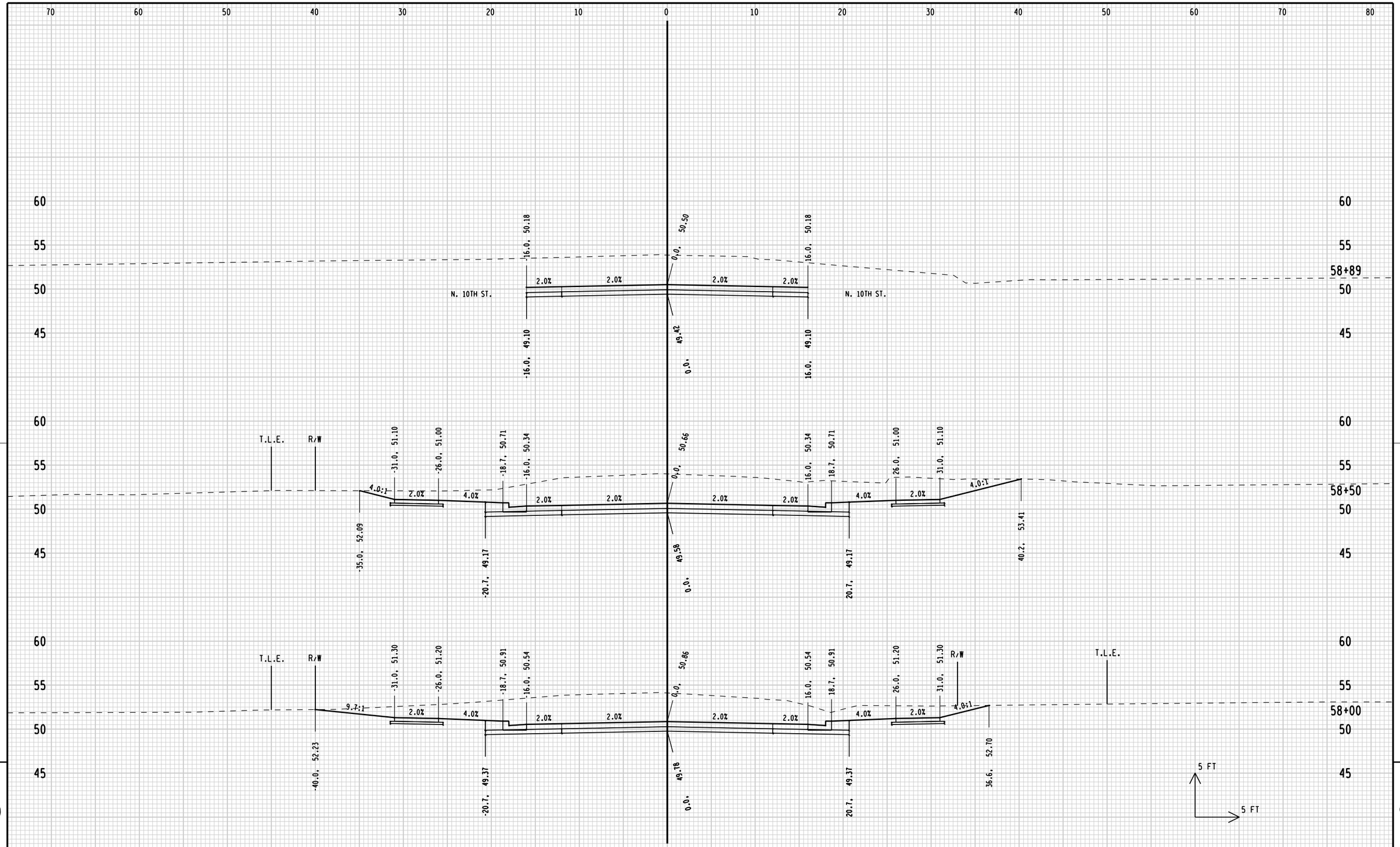
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FILE NAME: l:\work\60164548\000.cadd\civil\090201_xs.dgn
BATCH PRINT SHEET 42 OF 51
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WISDOT/CADDS SHEET 21



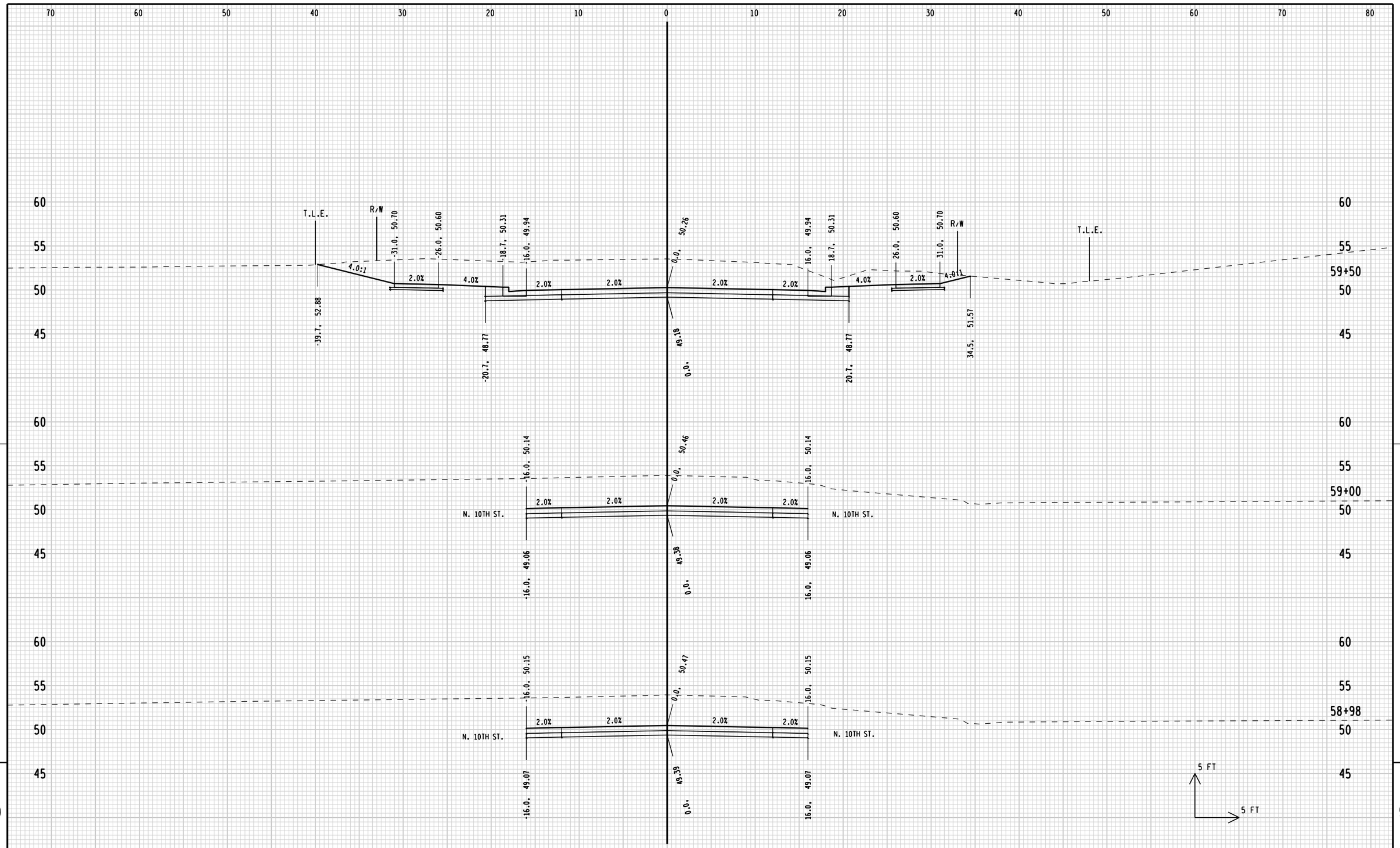
STATE PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE	COUNTY: SHEBOYGAN	CROSS SECTIONS: EISNER AVENUE	SHEET E

FILE NAME: l:\work\60164548\000_cadd\civil\090201_xs.dgn
BATCH PRINT SHEET 43 OF 51
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PLOT SCALE: 1:10
WISDOT/CADDS SHEET 21



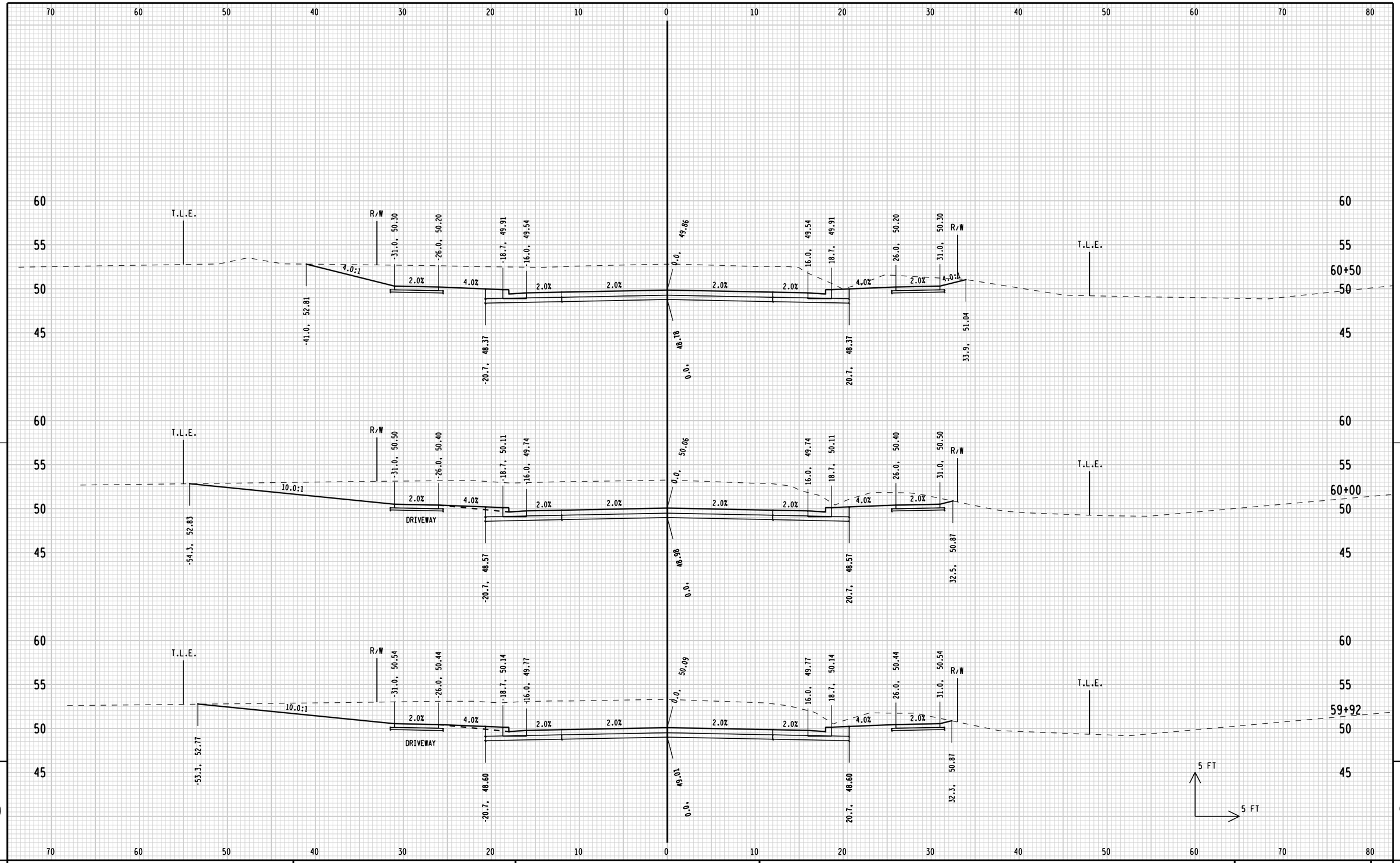
STATE PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE	COUNTY: SHEBOYGAN	CROSS SECTIONS: EISNER AVENUE	SHEET E

FILE NAME: l:\work\60164548\000_cadd\civil\090201_xs.dgn
BATCH PRINT SHEET 44 OF 51
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PLOT DATE: 10/23/2012
PLOT TIME: 9:48:32 AM
PLOT SCALE: 1:10



STATE PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE	COUNTY: SHEBOYGAN	CROSS SECTIONS: EISNER AVENUE	SHEET E

FILE NAME: I:\work\60164548\000_cadd\civil\090201_xs.dgn
BATCH PRINT SHEET 45 OF 51
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PLOT DATE: 10/23/2012
PLOT TIME: 9:48:32 AM
PLOT SCALE: 1:10

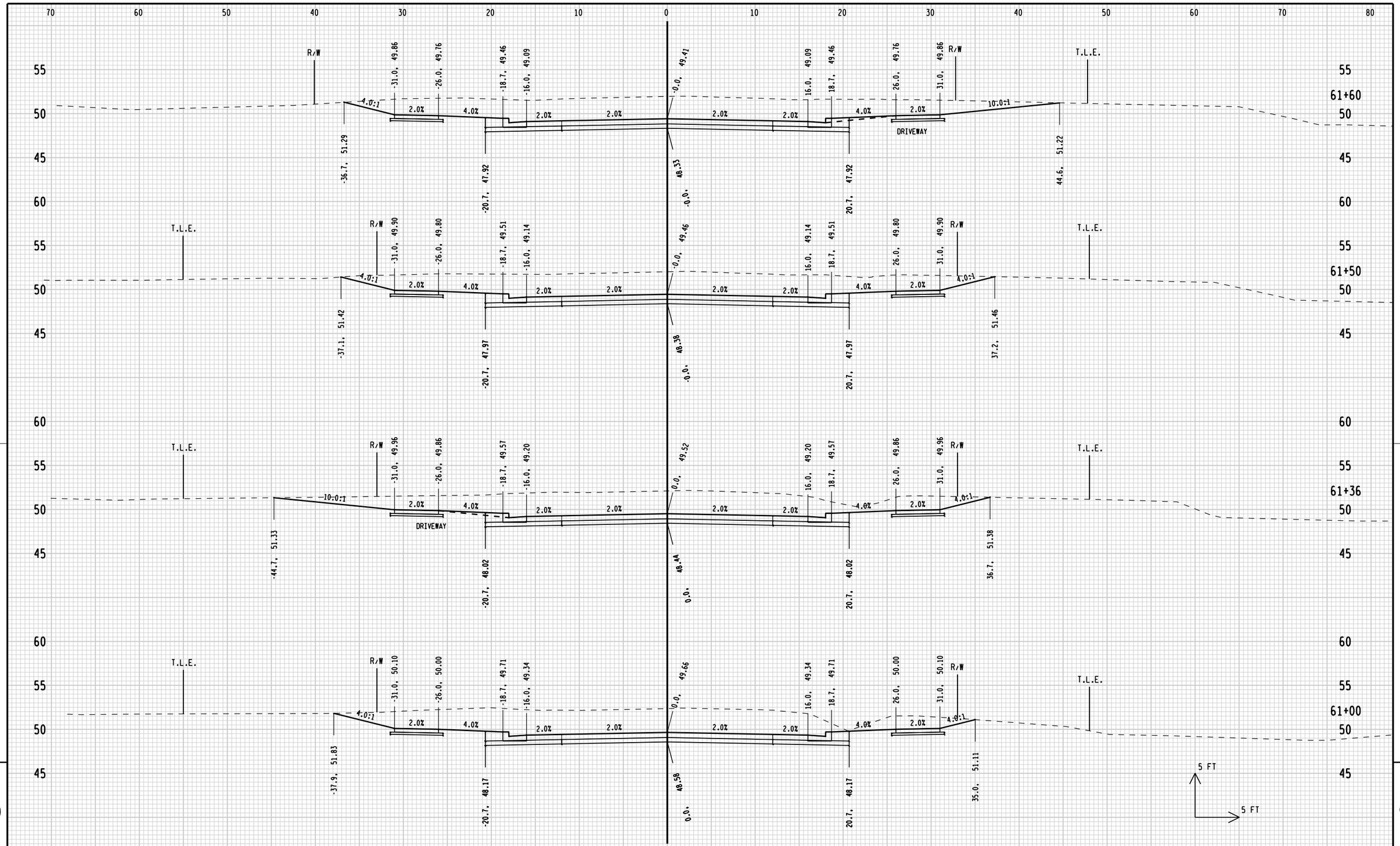


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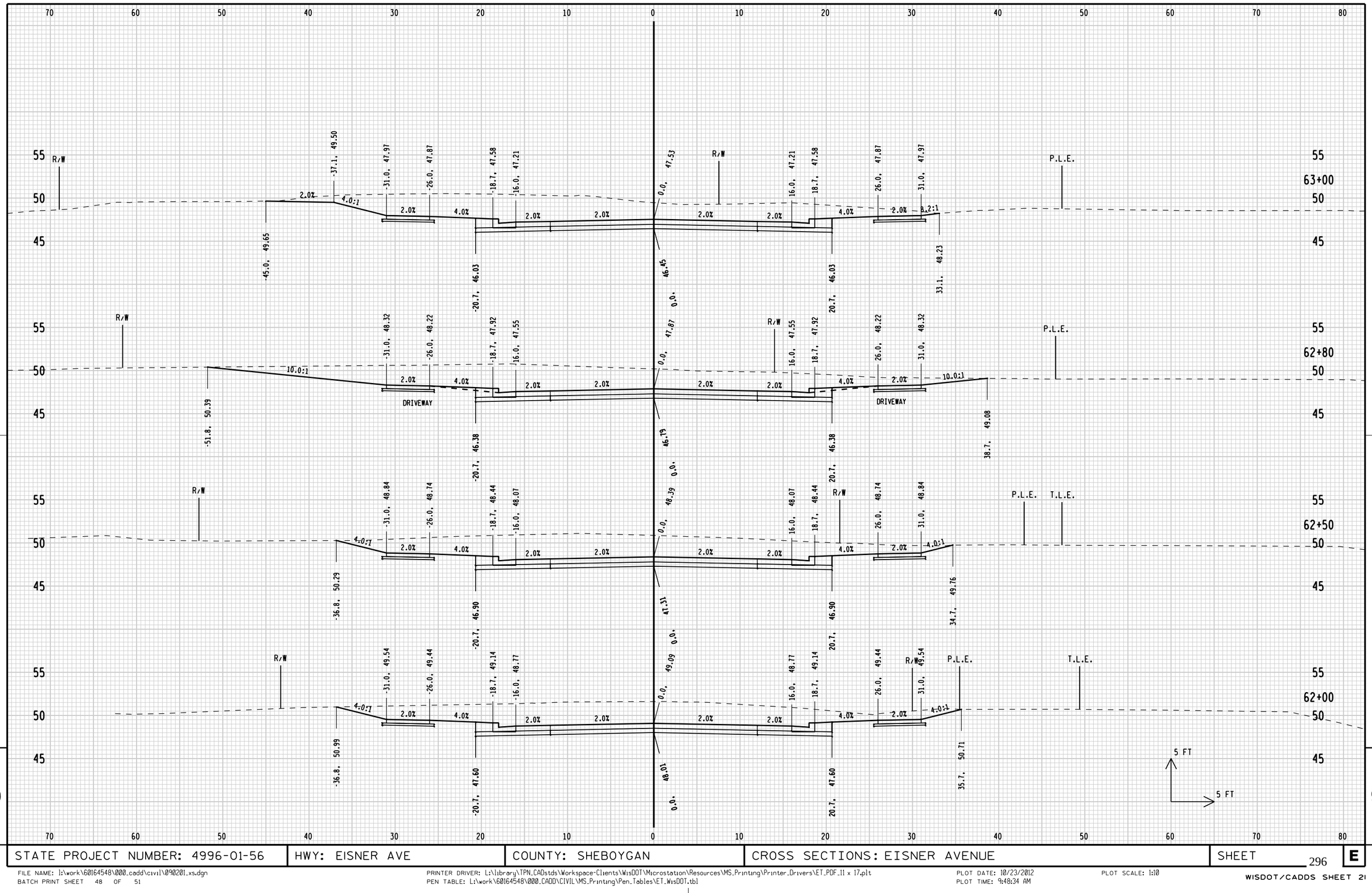
STATE PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE	COUNTY: SHEBOYGAN	CROSS SECTIONS: EISNER AVENUE	SHEET	E

FILE NAME: l:\work\60164548\000_cadd\civil\090201_xs.dgn
BATCH PRINT SHEET 46 OF 51
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PLOT TIME: 9:48:33 AM
PLOT SCALE: 1:10
WISDOT/CADDS SHEET 21



STATE PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE	COUNTY: SHEBOYGAN	CROSS SECTIONS: EISNER AVENUE	SHEET 295 E

FILE NAME: I:\work\60164548\000_cadd\civil\090201_xs.dgn
BATCH PRINT SHEET 47 OF 51
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PLOT TIME: 9:48:33 AM
PLOT SCALE: 1:10



STATE PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE	COUNTY: SHEBOYGAN	CROSS SECTIONS: EISNER AVENUE	SHEET 296 E

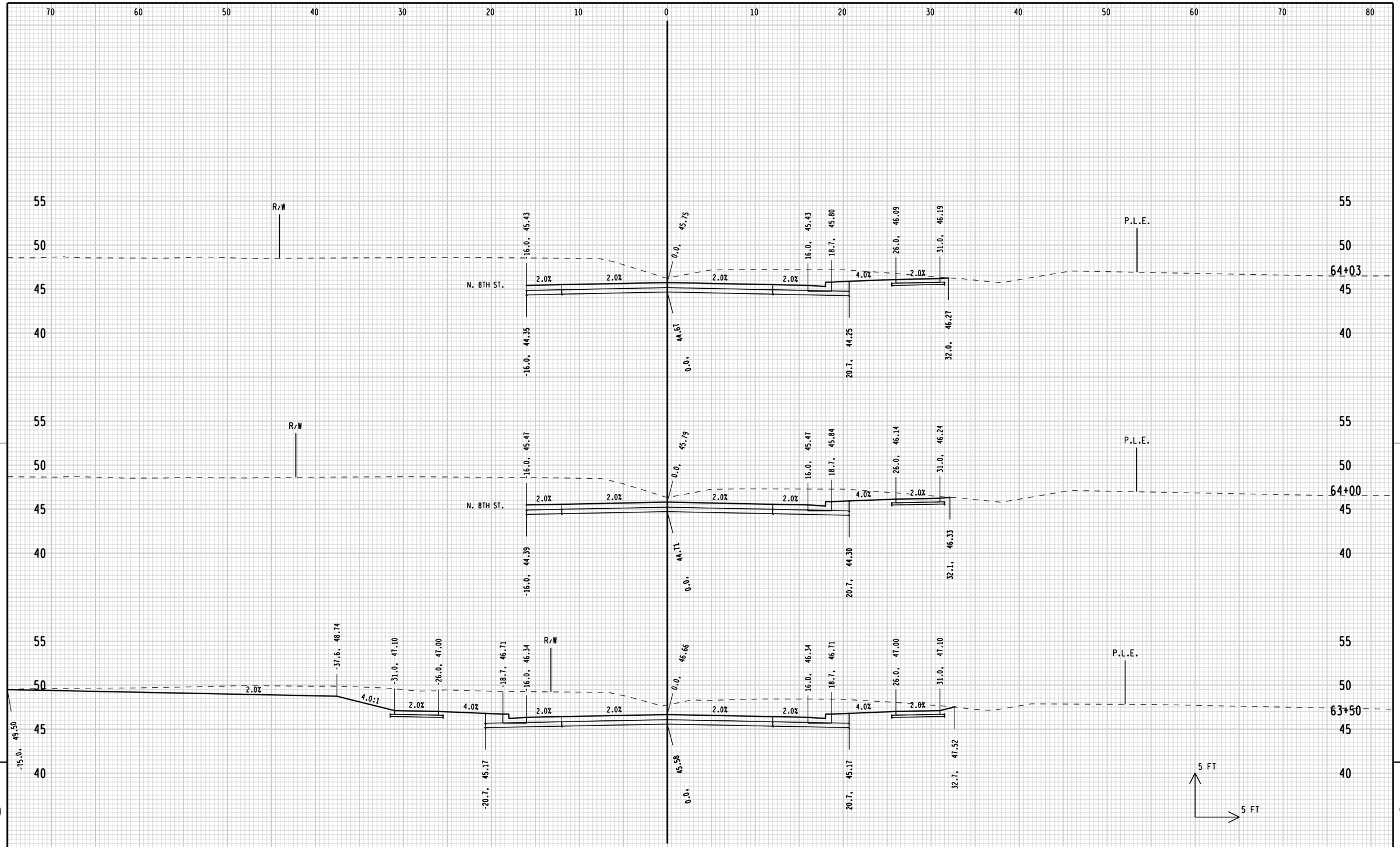
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BATCH PRINT SHEET 48 OF 51

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PLOT DATE: 10/23/2012
PLOT TIME: 9:48:34 AM

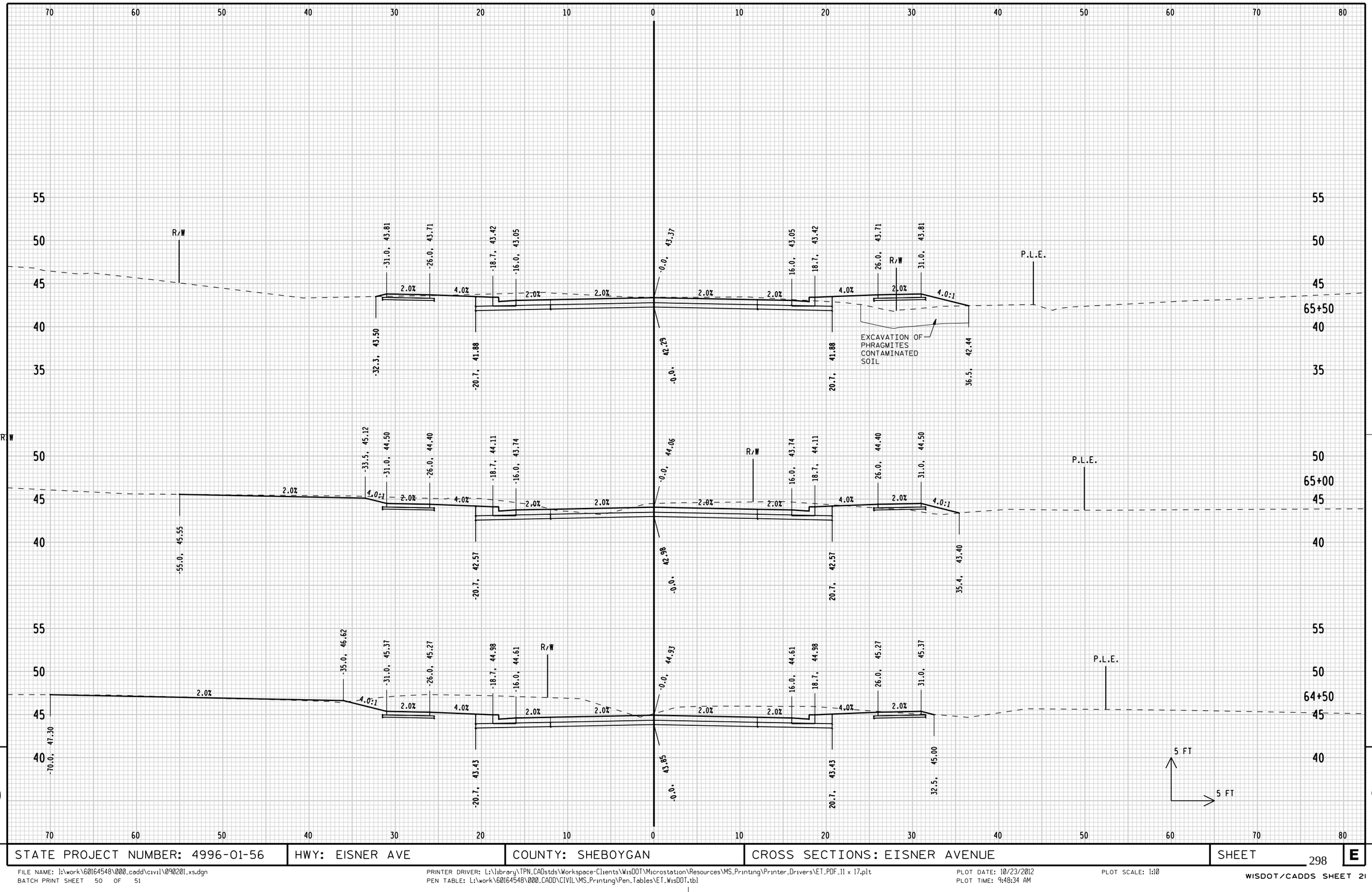
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WISDOT/CADDS SHEET 21



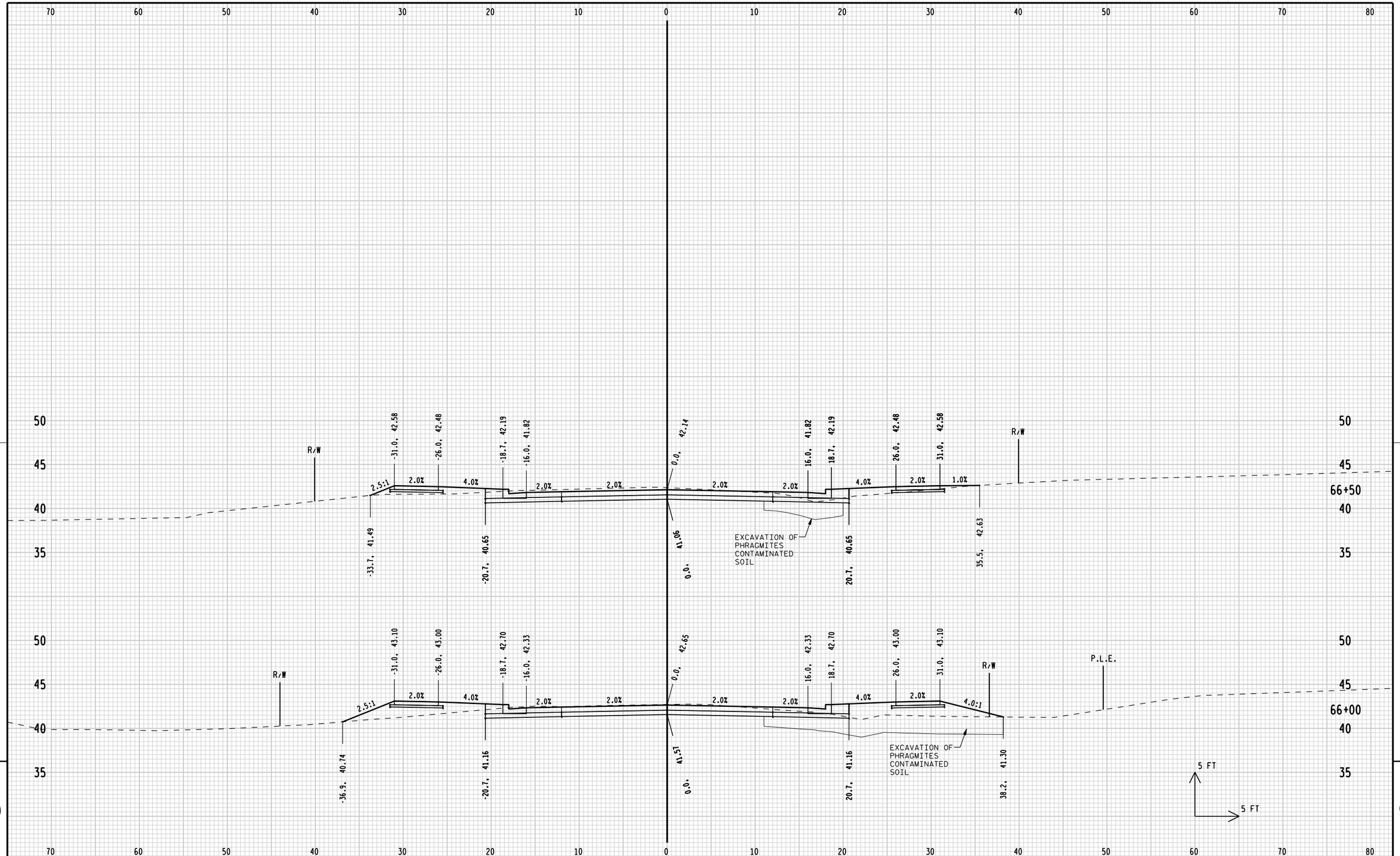
STATE PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE	COUNTY: SHEBOYGAN	CROSS SECTIONS: EISNER AVENUE	SHEET E

FILE NAME: l:\work\60164548\000_cadd\civil\090201_xs.dgn
BATCH PRINT SHEET 49 OF 51
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PLOT TIME: 9:48:34 AM
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WISDOT/CADDS SHEET 21



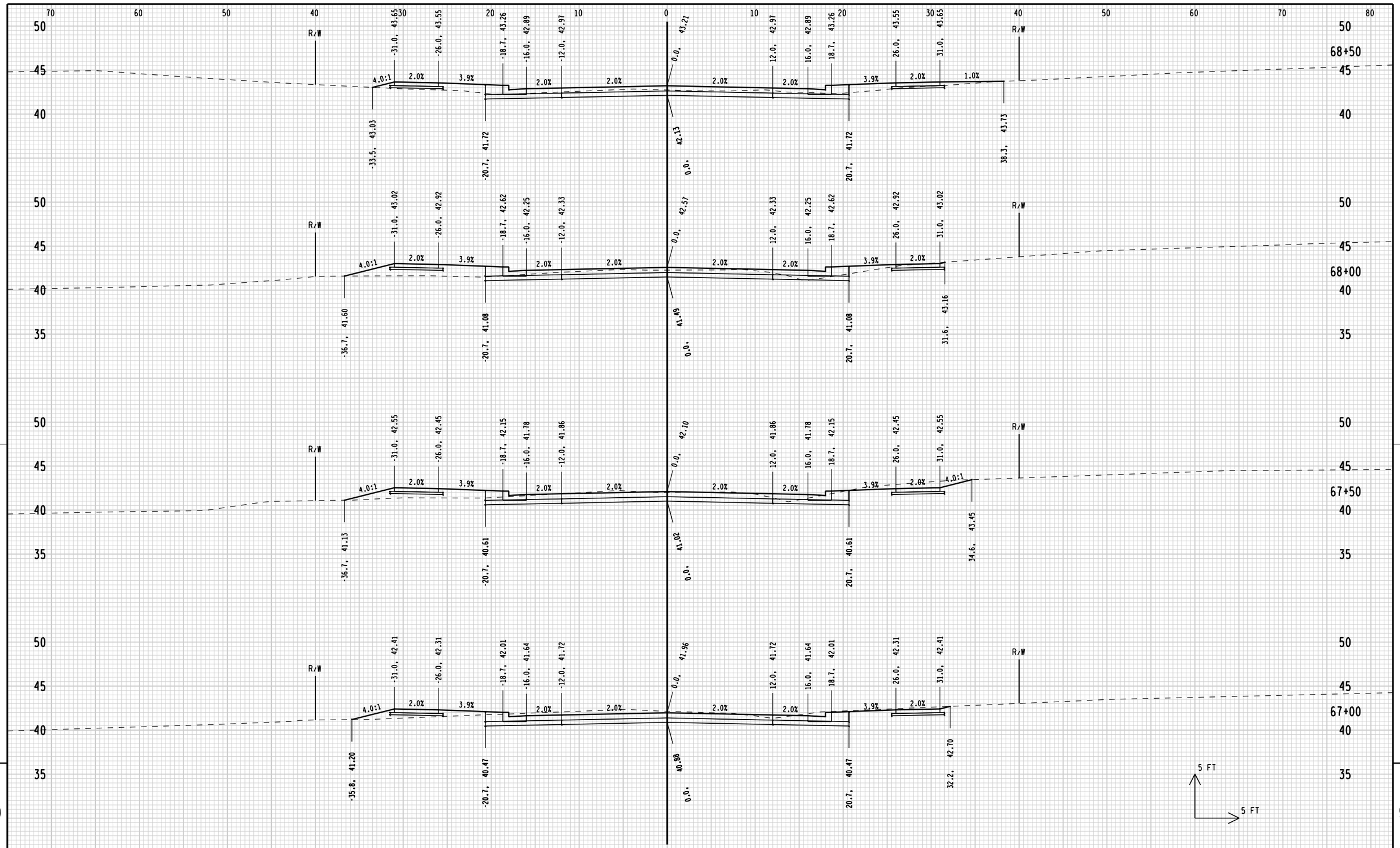
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BATCH PRINT SHEET 50 OF 51
PRINTER DRIVER: L:\library\TPN_CADstds\Workspace-Clients\WisDOT\Microstation\Resources\MS_Printing\Printer_Drivers\ET_PDF_11 x 17.plt
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PLOT DATE: 10/23/2012
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PLOT SCALE: 1:10
WISDOT/CADDS SHEET 21



STATE PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE	COUNTY: SHEBOYGAN	CROSS SECTIONS: EISNER AVENUE	SHEET	E

FILE NAME: l:\work\60164548\000.cadd\civil\090201_xs.dgn
BATCH PRINT SHEET 51 OF 51
PRINTER DRIVER: L:\library\TPN_CADstds\Workspace-Clients\WisDOT\Microstation\Resources\MS_Printng\Printer_Drivers\ET_PDF_11 x 17.plt
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PLOT DATE: 10/23/2012
PLOT TIME: 9:48:35 AM
PLOT SCALE: 1:10
WISDOT/CADDS SHEET 21



9

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STATE PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE	COUNTY: SHEBOYGAN	CROSS SECTIONS: EIGHTH STREET	SHEET 300	E

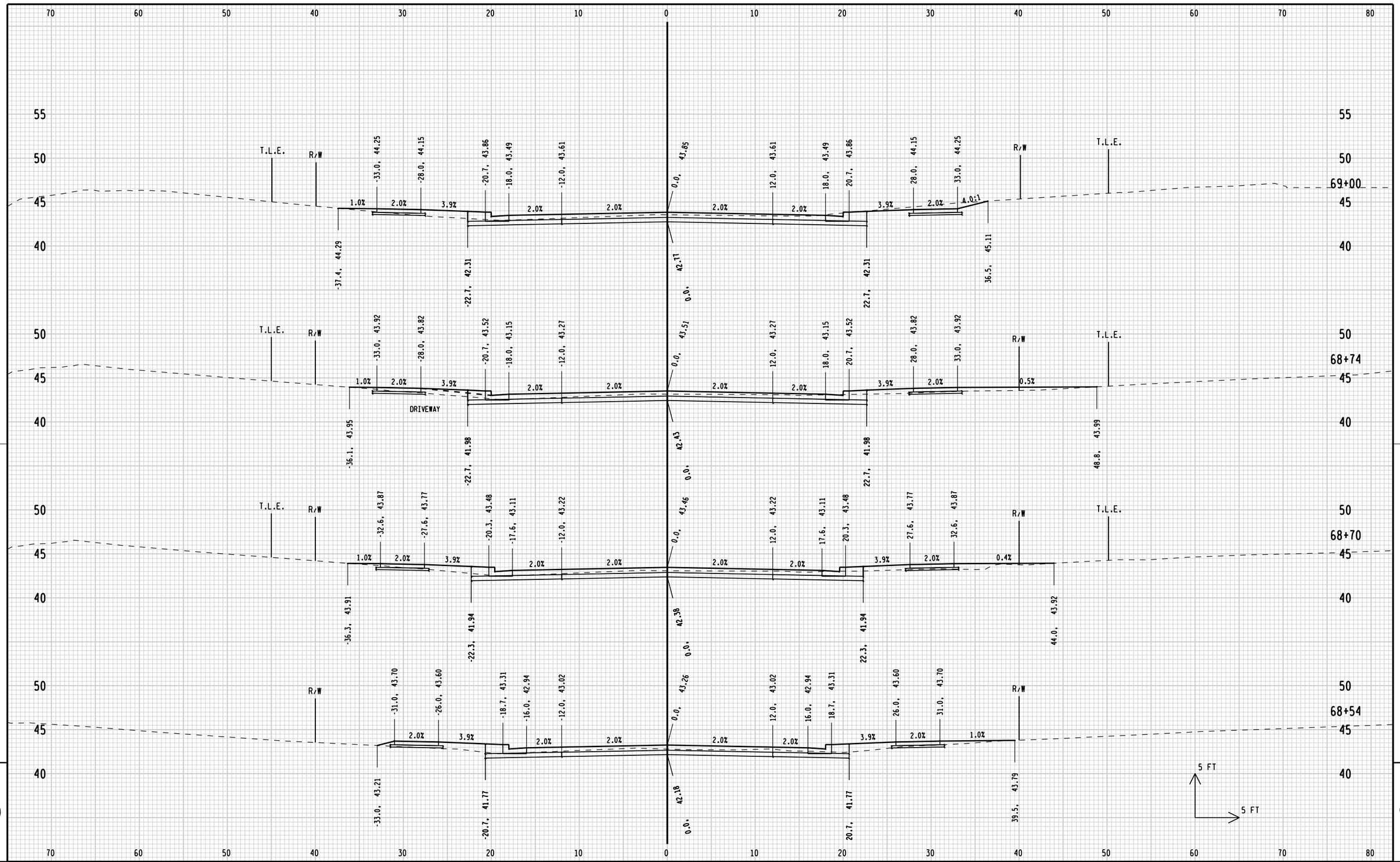
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BATCH PRINT SHEET 1 OF 7

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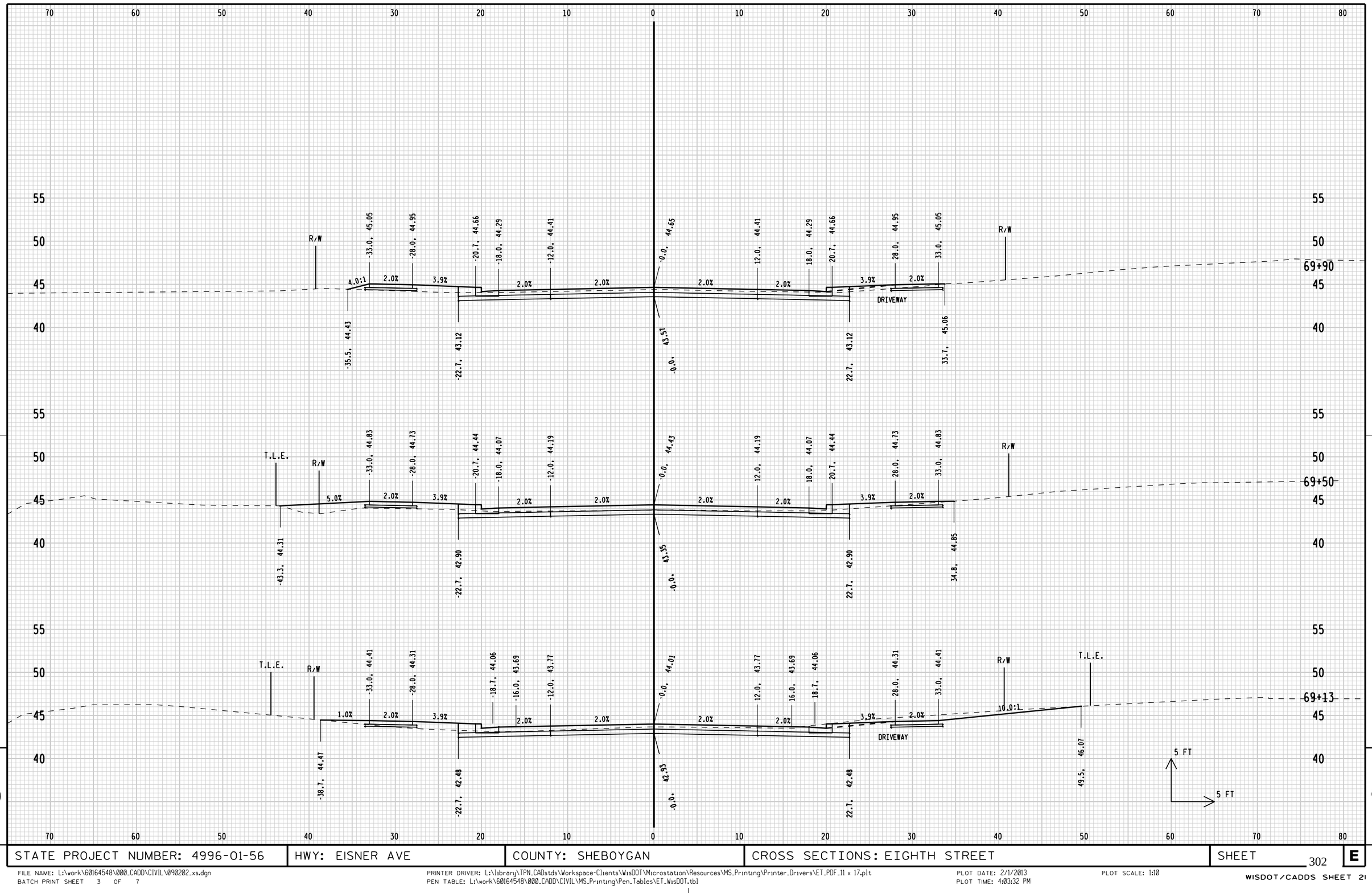
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PLOT SCALE: 1:10

WISDOT/CADDS SHEET 21



STATE PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE	COUNTY: SHEBOYGAN	CROSS SECTIONS: EIGHTH STREET	SHEET 301	E



STATE PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE	COUNTY: SHEBOYGAN	CROSS SECTIONS: EIGHTH STREET	SHEET E

FILE NAME: L:\work\60164548\000_CADD\CIVIL\090202.xs.dgn
BATCH PRINT SHEET 3 OF 7
PRINTER DRIVER: L:\library\TPN_CADstds\Workspace-Clients\WisDOT\Microstation\Resources\MS_Printing\Printer_Drivers\ET_PDF_11 x 17.plt
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PLOT SCALE: 1:10
WISDOT/CADDS SHEET 21

70+59

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2.0% 2.0% 2.0% 2.0% 4.0% 2.0%

-22.7, 42.98 0.0, 43.44 22.7, 42.98 38.0, 45.08

70+50

R/W -20.7, 44.56 -18.0, 44.19 -12.0, 44.31 0.0, 44.55 12.0, 44.31 18.0, 44.19 20.7, 44.56 30.5, 44.95 35.5, 45.05 R/W

2.0% 2.0% 2.0% 2.0% 4.0% 2.0%

-22.7, 43.01 0.0, 43.41 22.7, 43.01 36.8, 45.06

70+00

R/W -33.0, 45.07 -28.0, 44.97 -20.7, 44.67 -18.0, 44.30 -12.0, 44.42 0.0, 44.66 12.0, 44.42 18.0, 44.30 20.7, 44.67 28.0, 44.97 33.0, 45.07 R/W

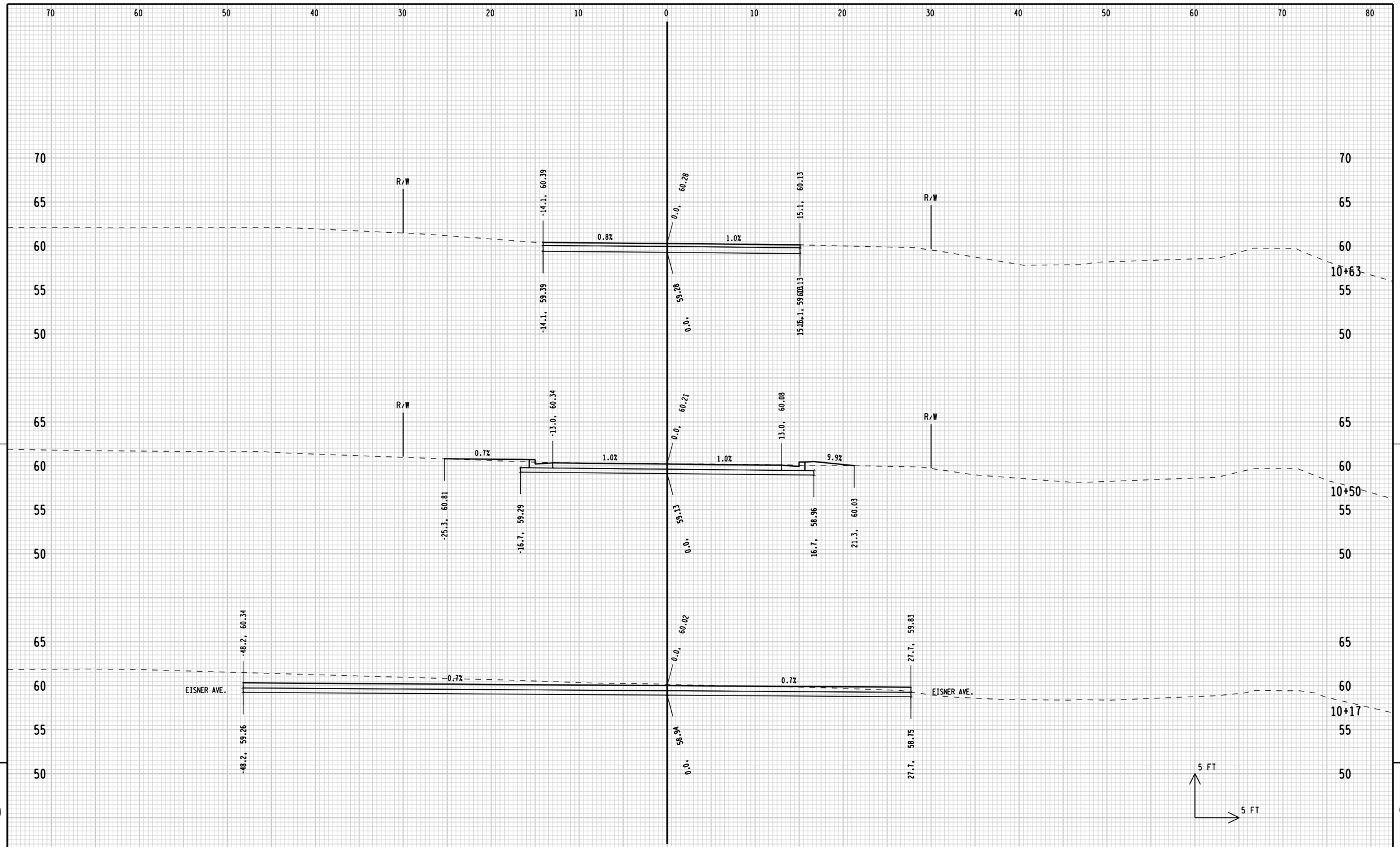
4.0:1 2.0% 3.9% 2.0% 2.0% 2.0% 2.0% 3.9% 2.0% 1.0%

-35.2, 44.51 -22.7, 43.13 0.0, 43.58 22.7, 43.13 36.5, 45.10

5 FT 5 FT

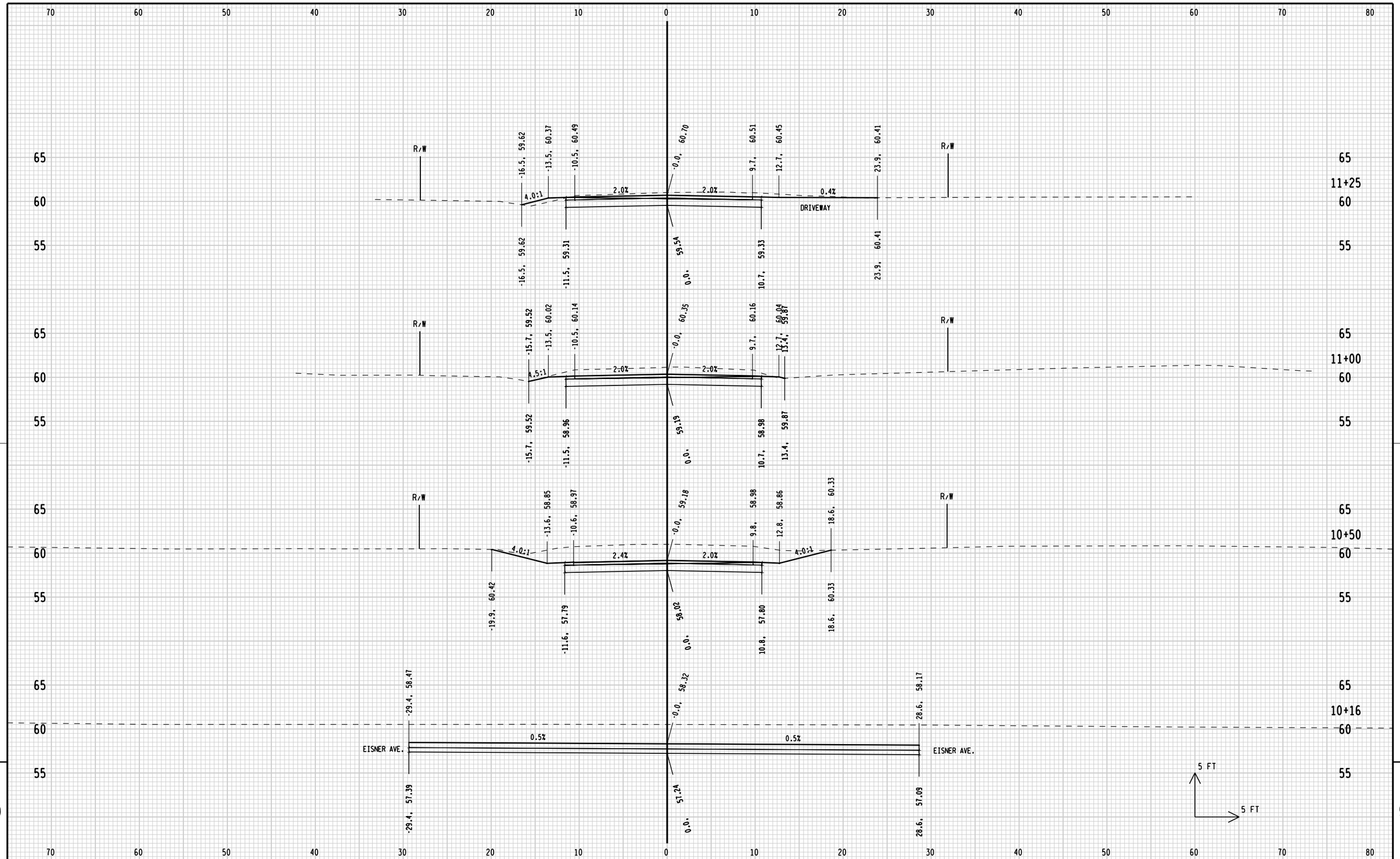
STATE PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE	COUNTY: SHEBOYGAN	CROSS SECTIONS: EIGHTH STREET	SHEET E

FILE NAME: l:\work\60164548\000_cadd\civil\090202_xs.dgn
BATCH PRINT SHEET 4 OF 7
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PLOT DATE: 10/23/2012
PLOT TIME: 9:49:15 AM
PLOT SCALE: 1:10
WISDOT/CADDS SHEET 21



STATE PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE	COUNTY: SHEBOYGAN	CROSS SECTIONS: 20TH PLACE	SHEET	E

FILE NAME: l:\work\60164548\000.cadd\civil\090203_xs.dgn
BATCH PRINT SHEET 1 OF 1
PRINTER DRIVER: L:\library\TPN_CADstds\Workspace-Clients\WisDOT\Microstation\Resources\MS_Printing\Printer_Drivers\ET_PDF_11 x 17.plt
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PLOT DATE: 10/23/2012
PLOT TIME: 9:49:41 AM
PLOT SCALE: 1:10
WISDOT/CADDS SHEET 21



STATE PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE	COUNTY: SHEBOYGAN	CROSS SECTIONS: 20TH STREET	SHEET 305 E

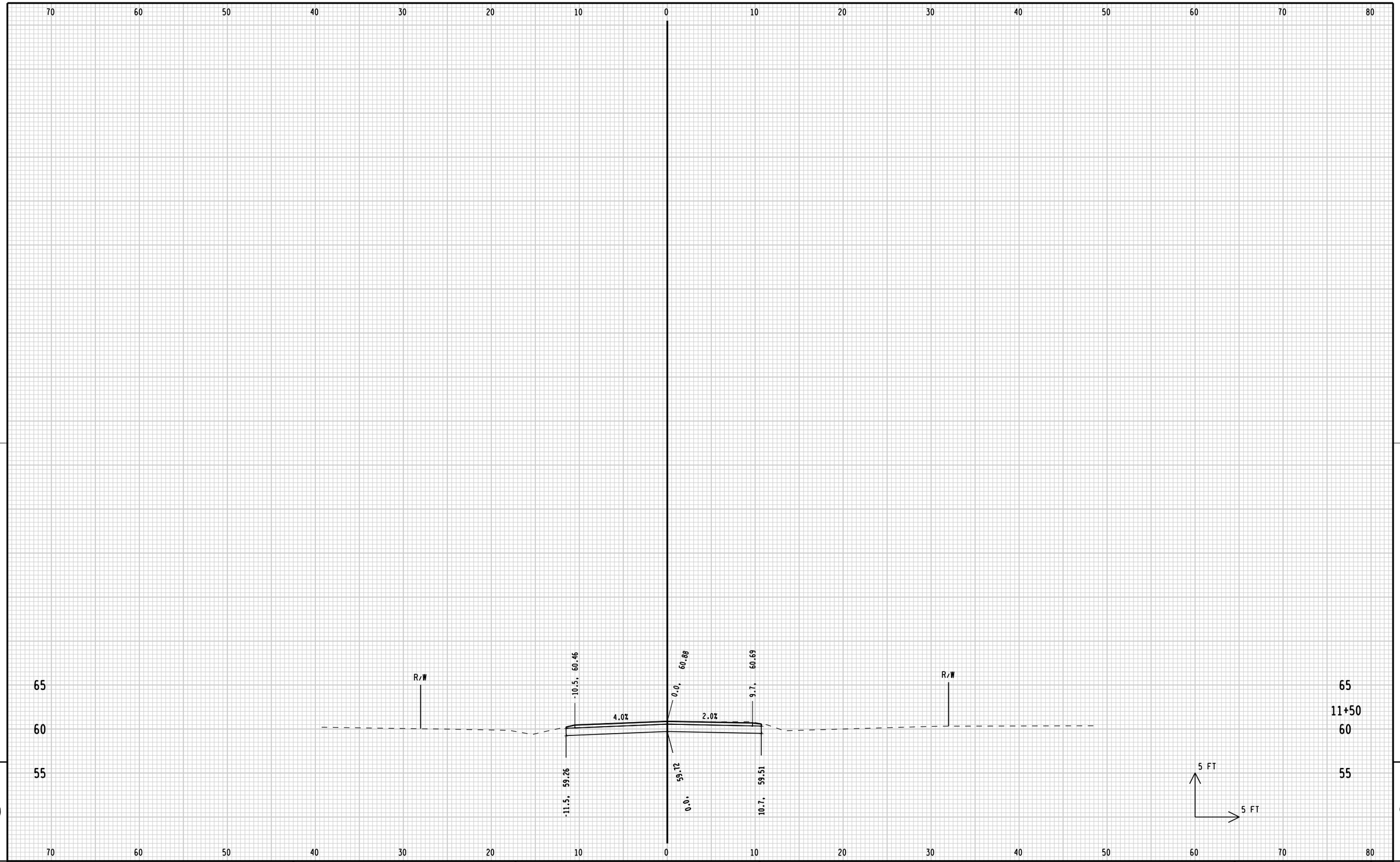
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BATCH PRINT SHEET 1 OF 2

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PLOT DATE: 10/23/2012
PLOT TIME: 9:50:02 AM

PLOT SCALE: 1:10

WISDOT/CADDS SHEET 21



STATE PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE	COUNTY: SHEBOYGAN	CROSS SECTIONS: 20TH STREET	SHEET	E

FILE NAME: l:\work\60164548\000_cadd\civil\090204_xs.dgn
BATCH PRINT SHEET 2 OF 2
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PLOT DATE: 10/23/2012
PLOT TIME: 9:50:02 AM
PLOT SCALE: 1:10
WISDOT/CADDS SHEET 21

70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80

65 60 55 50

T.L.E. -33.2, 60.04 R/W -14.1, 58.13 -0.0, 58.41 13.4, 58.14 18.1, 57.95 R/W

10.0% 2.0% 2.0% 4.0%

DRIVEWAY

-15.1, 56.95 0.0, 51.25 14.4, 56.96

10+85

R/W -23.2, 58.89 -16.6, 57.23 -14.6, 57.31 -0.0, 57.60 14.6, 57.31 22.6, 56.97 R/W

4.0% 2.0% 2.0% 4.2%

-15.6, 56.13 0.0, 56.44 15.6, 56.13

10+50

-32.2, 56.83 -0.0, 56.70 31.8, 56.64

0.4% 0.2%

EISNER AVE. EISNER AVE.

-32.2, 55.75 0.0, 55.62 31.8, 55.56

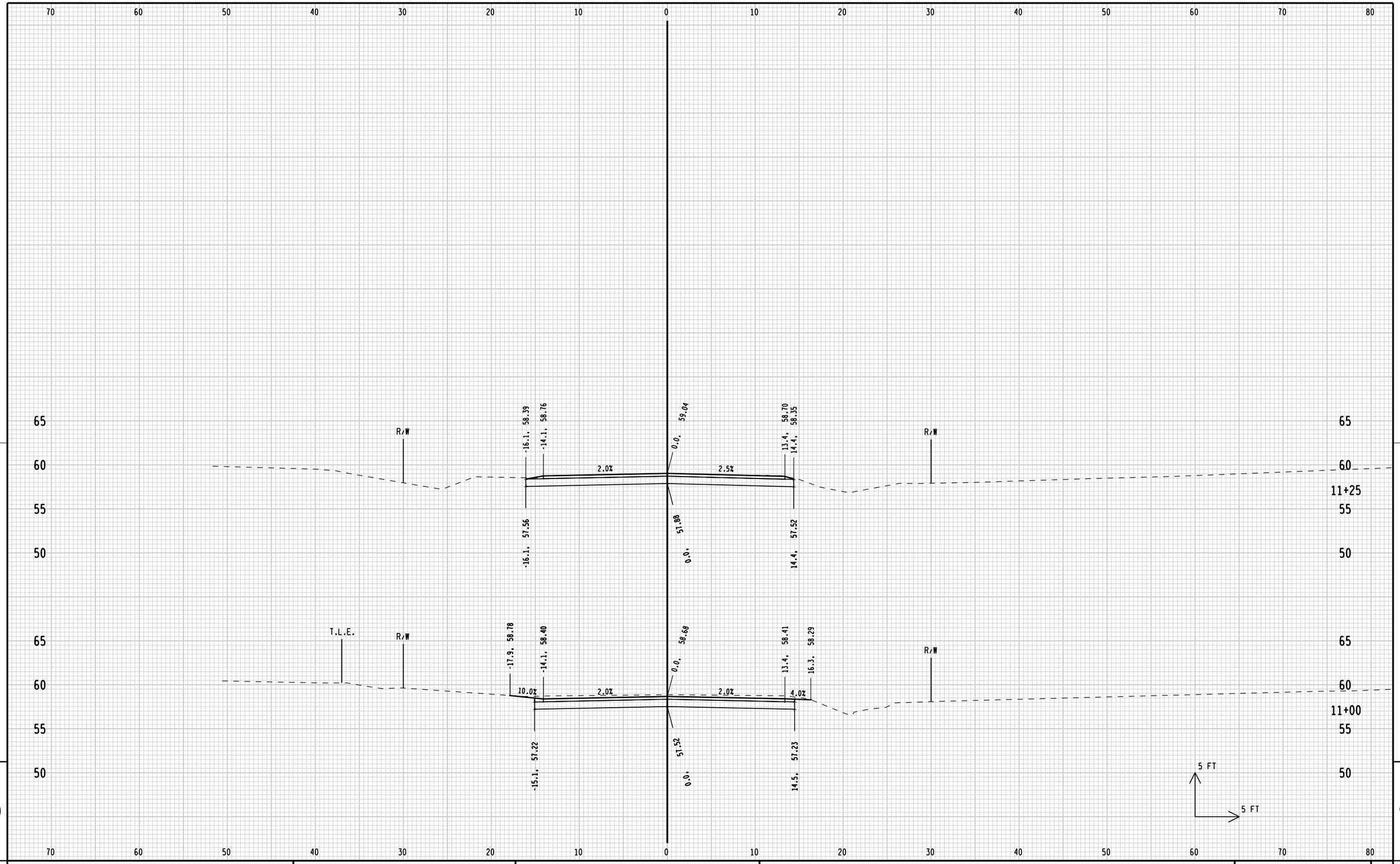
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5 FT 5 FT

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STATE PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE	COUNTY: SHEBOYGAN	CROSS SECTIONS: N 19TH STREET	SHEET 307 E

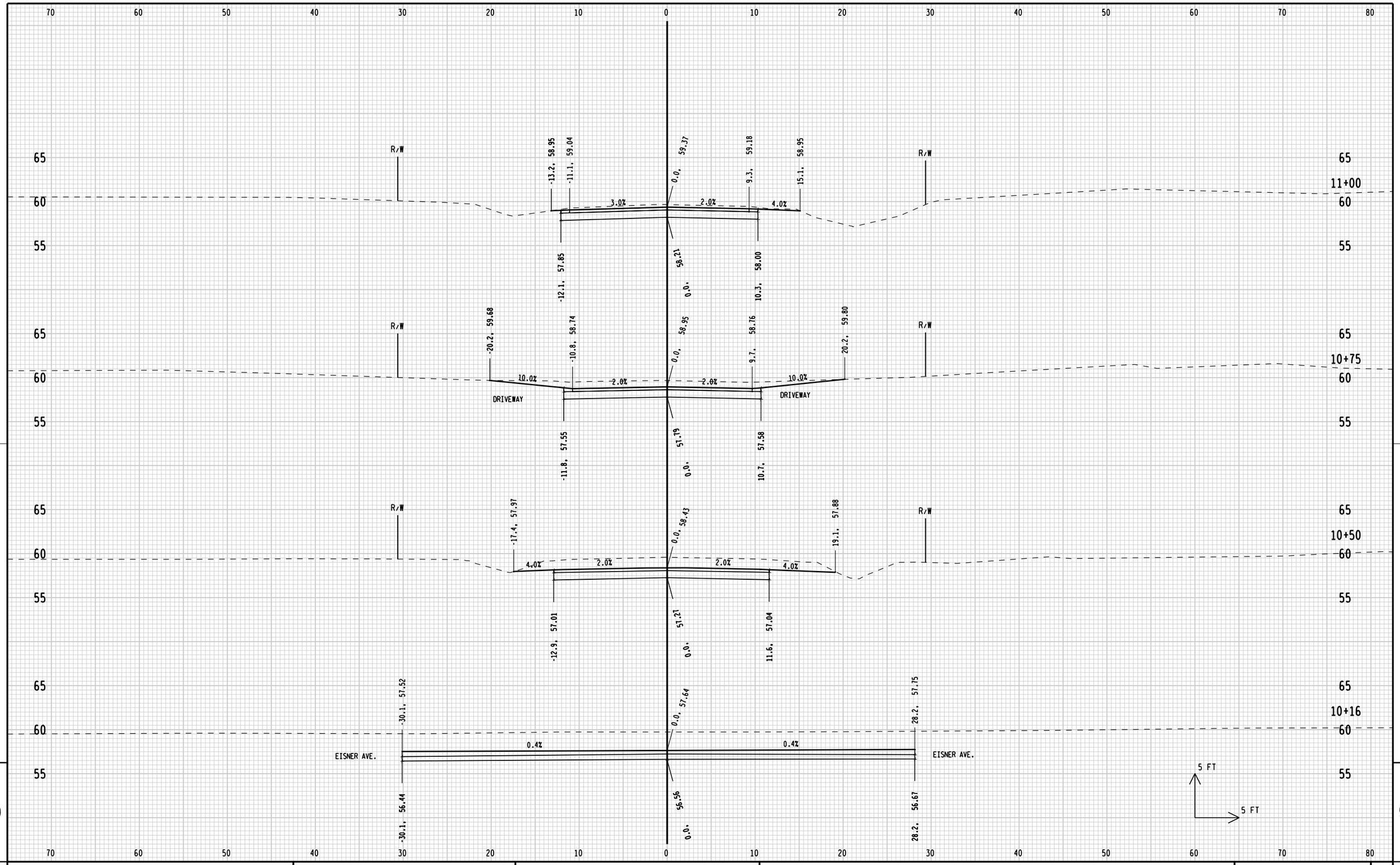


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STATE PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE	COUNTY: SHEBOYGAN	CROSS SECTIONS: N 19TH STREET	SHEET E

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PLOT SCALE: 1:10
WISDOT/CADDS SHEET 21



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STATE PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE	COUNTY: SHEBOYGAN	CROSS SECTIONS: HUBERT CIRCLE	SHEET 309 E

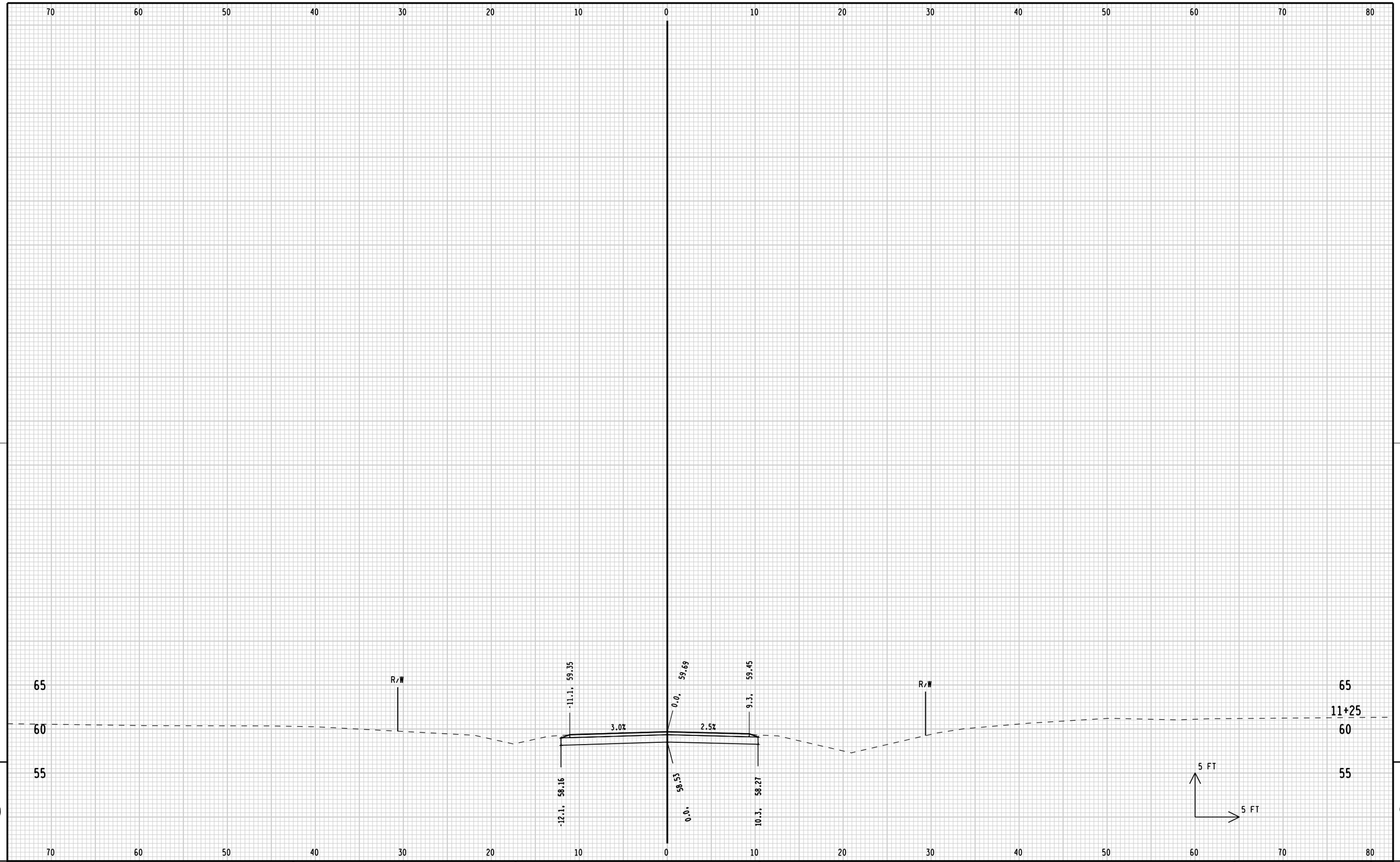
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BATCH PRINT SHEET 1 OF 2

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PLOT DATE: 10/23/2012
PLOT TIME: 9:57:47 AM

PLOT SCALE: 1:10

WISDOT/CADDS SHEET 21



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STATE PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE	COUNTY: SHEBOYGAN	CROSS SECTIONS: HUBERT CIRCLE	SHEET 310	E

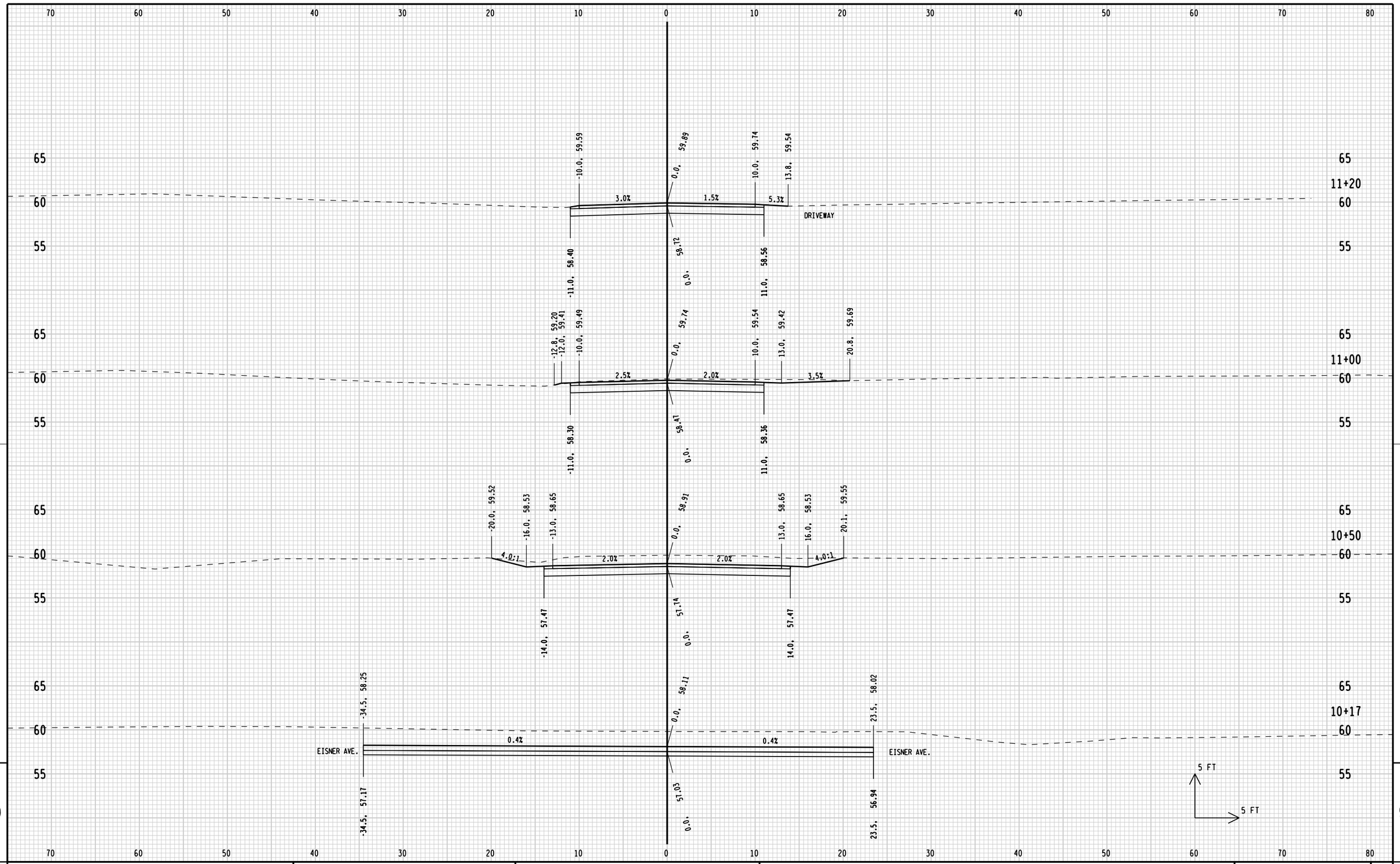
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PLOT DATE: 10/23/2012
PLOT TIME: 9:57:47 AM

PLOT SCALE: 1:10

WISDOT/CADDS SHEET 21



STATE PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE	COUNTY: SHEBOYGAN	CROSS SECTIONS: N 17TH STREET	SHEET 311 E

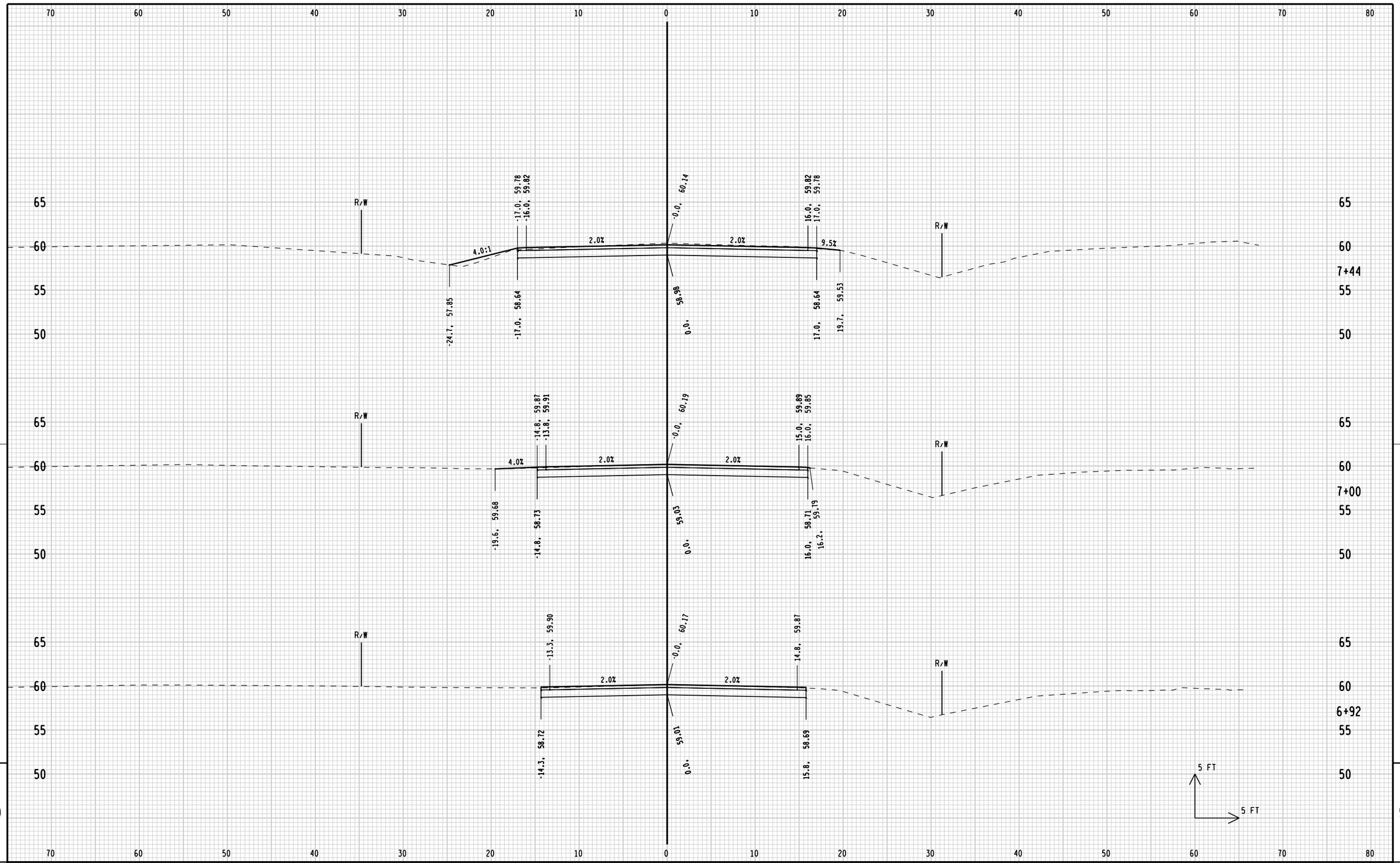
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BATCH PRINT SHEET 1 OF 1

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PLOT DATE: 2/1/2013
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PLOT SCALE: 1:10

WISDOT/CADDS SHEET 21



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STATE PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE	COUNTY: SHEBOYGAN	CROSS SECTIONS: CTH LS/LAKESHORE ROAD	SHEET 312	E

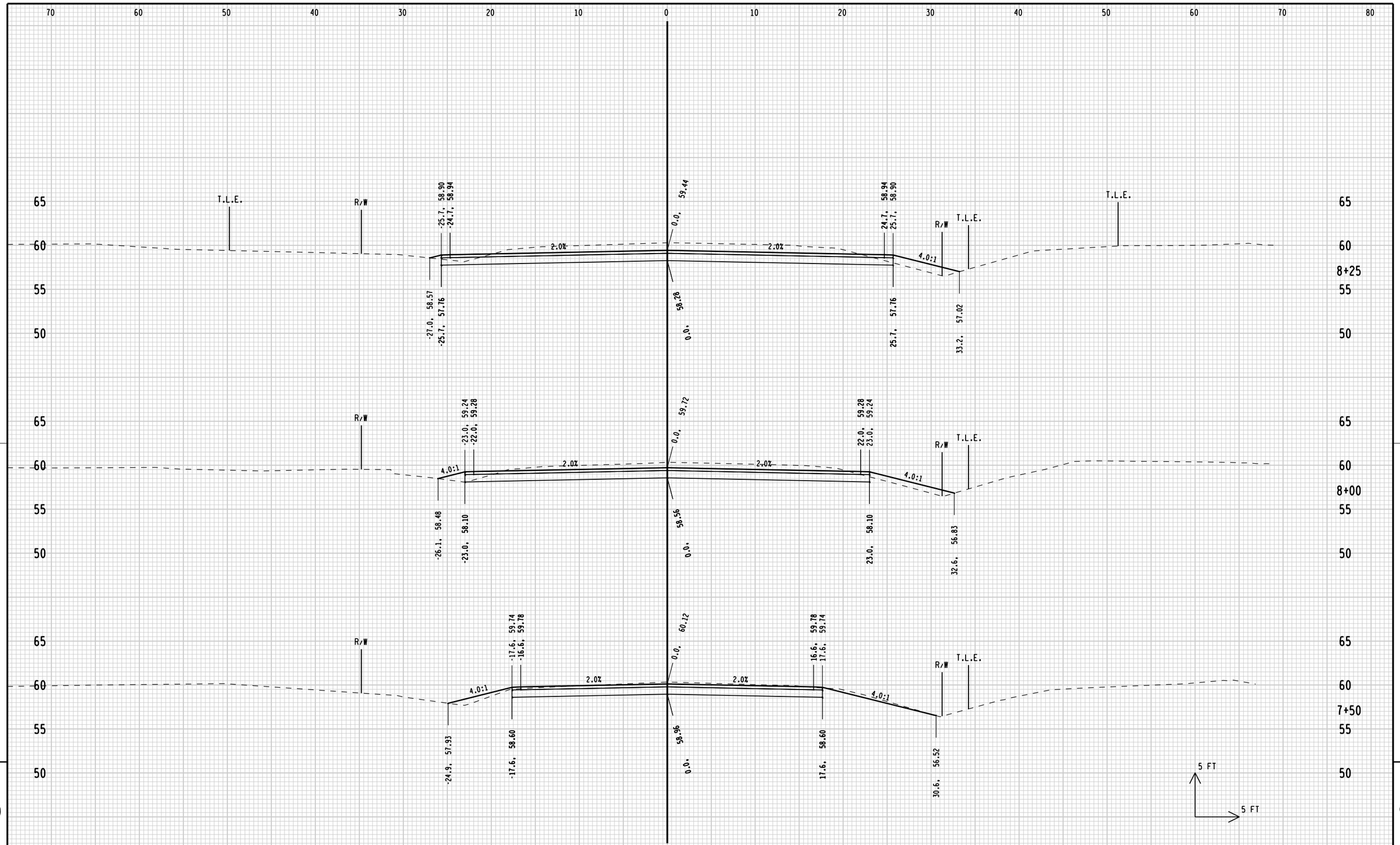
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BATCH PRINT SHEET 1 OF 7

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PLOT DATE: 10/23/2012
PLOT TIME: 10:07:28 AM

PLOT SCALE: 1:10

WISDOT/CADDS SHEET 21



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STATE PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE	COUNTY: SHEBOYGAN	CROSS SECTIONS: CTH LS/LAKESHORE ROAD	SHEET 313 E

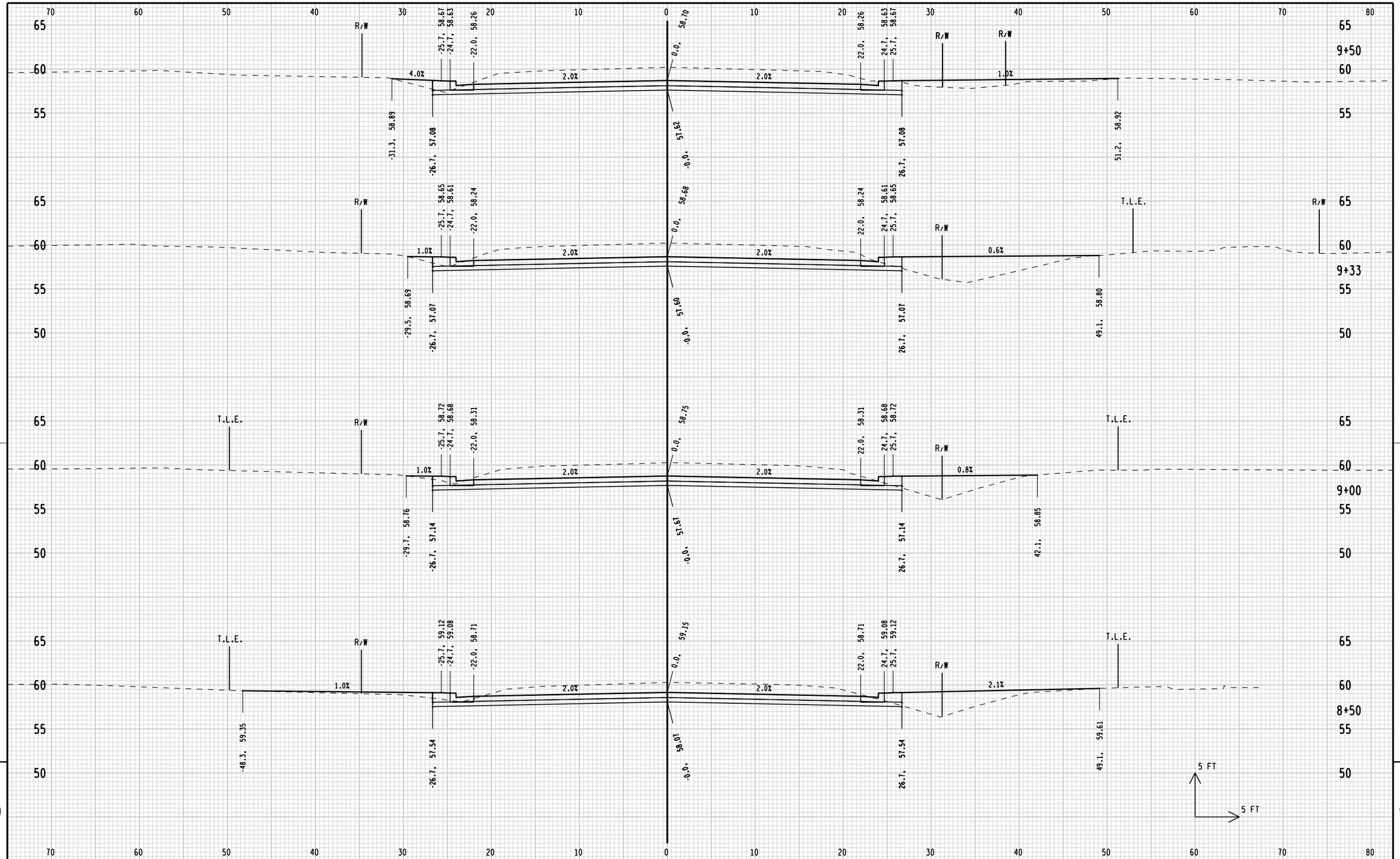
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BATCH PRINT SHEET 2 OF 7

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PLOT DATE: 10/23/2012
PLOT TIME: 10:07:28 AM

PLOT SCALE: 1:10

WISDOT/CADDS SHEET 21



STATE PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE	COUNTY: SHEBOYGAN	CROSS SECTIONS: CTH LS/LAKESHORE ROAD	SHEET 314 E

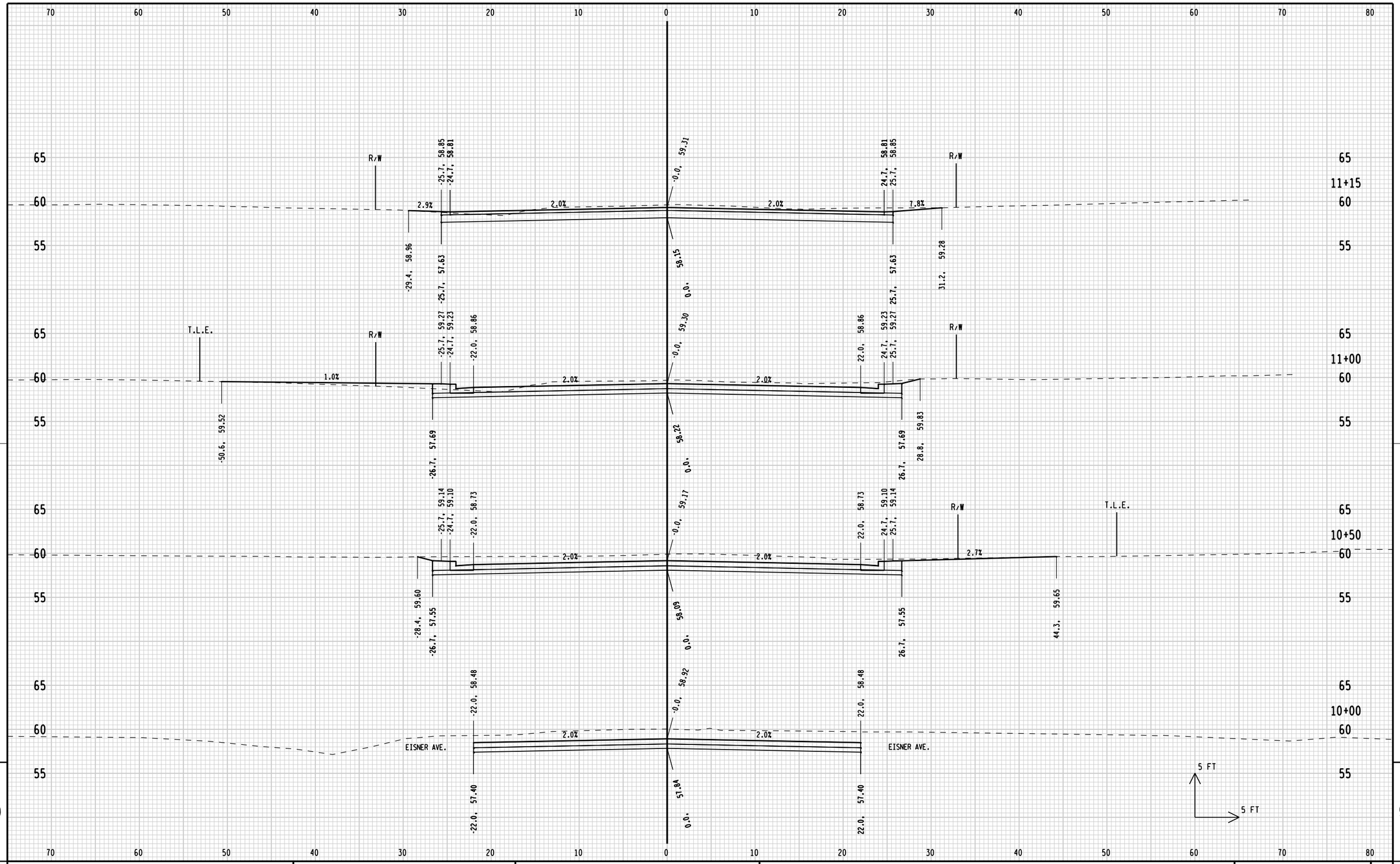
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BATCH PRINT SHEET 3 OF 7

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PLOT DATE: 10/23/2012
PLOT TIME: 10:07:29 AM

PLOT SCALE: 1:10

WISDOT/CADDS SHEET 21



9

STATE PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE	COUNTY: SHEBOYGAN	CROSS SECTIONS: CTH LS/LAKESHORE ROAD	SHEET	E

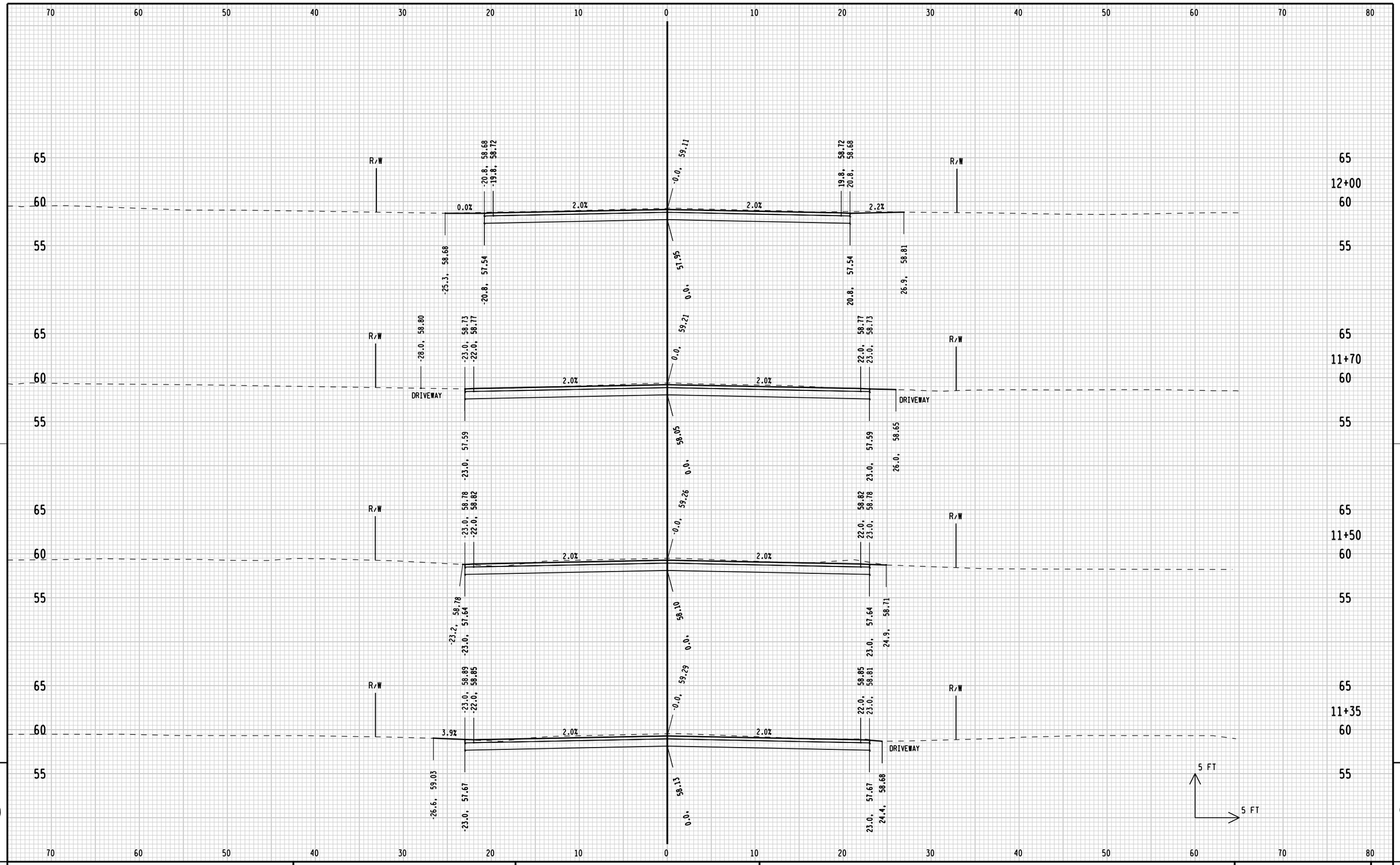
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PLOT DATE: 10/23/2012
PLOT TIME: 10:07:29 AM

PLOT SCALE: 1:10

WISDOT/CADDS SHEET 21



9

9

STATE PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE	COUNTY: SHEBOYGAN	CROSS SECTIONS: CTH LS/LAKESHORE ROAD	SHEET E

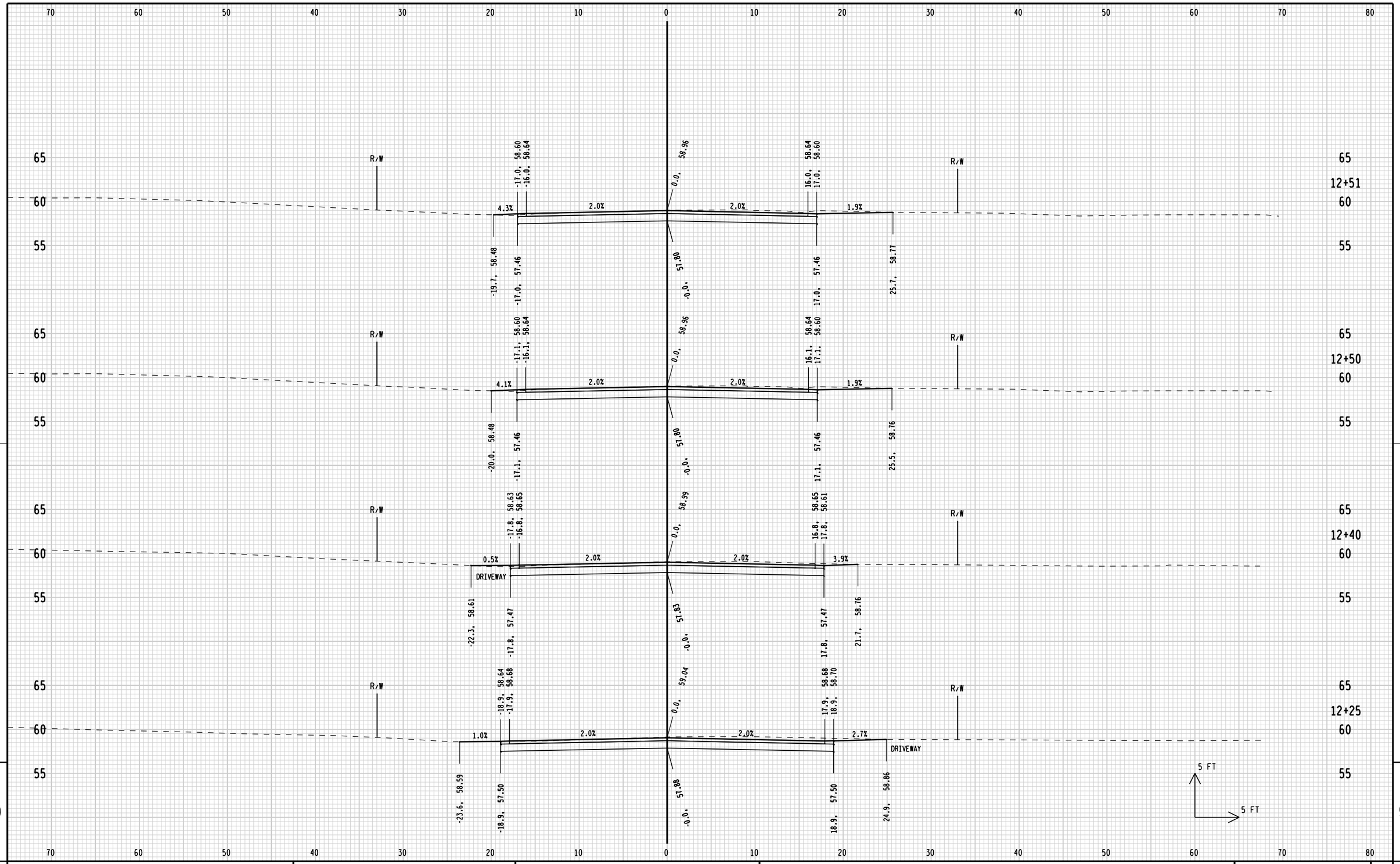
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BATCH PRINT SHEET 5 OF 7

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PLOT TIME: 10:07:30 AM

PLOT SCALE: 1:10

WISDOT/CADDS SHEET 21



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STATE PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE	COUNTY: SHEBOYGAN	CROSS SECTIONS: CTH LS/LAKESHORE ROAD	SHEET 317 E

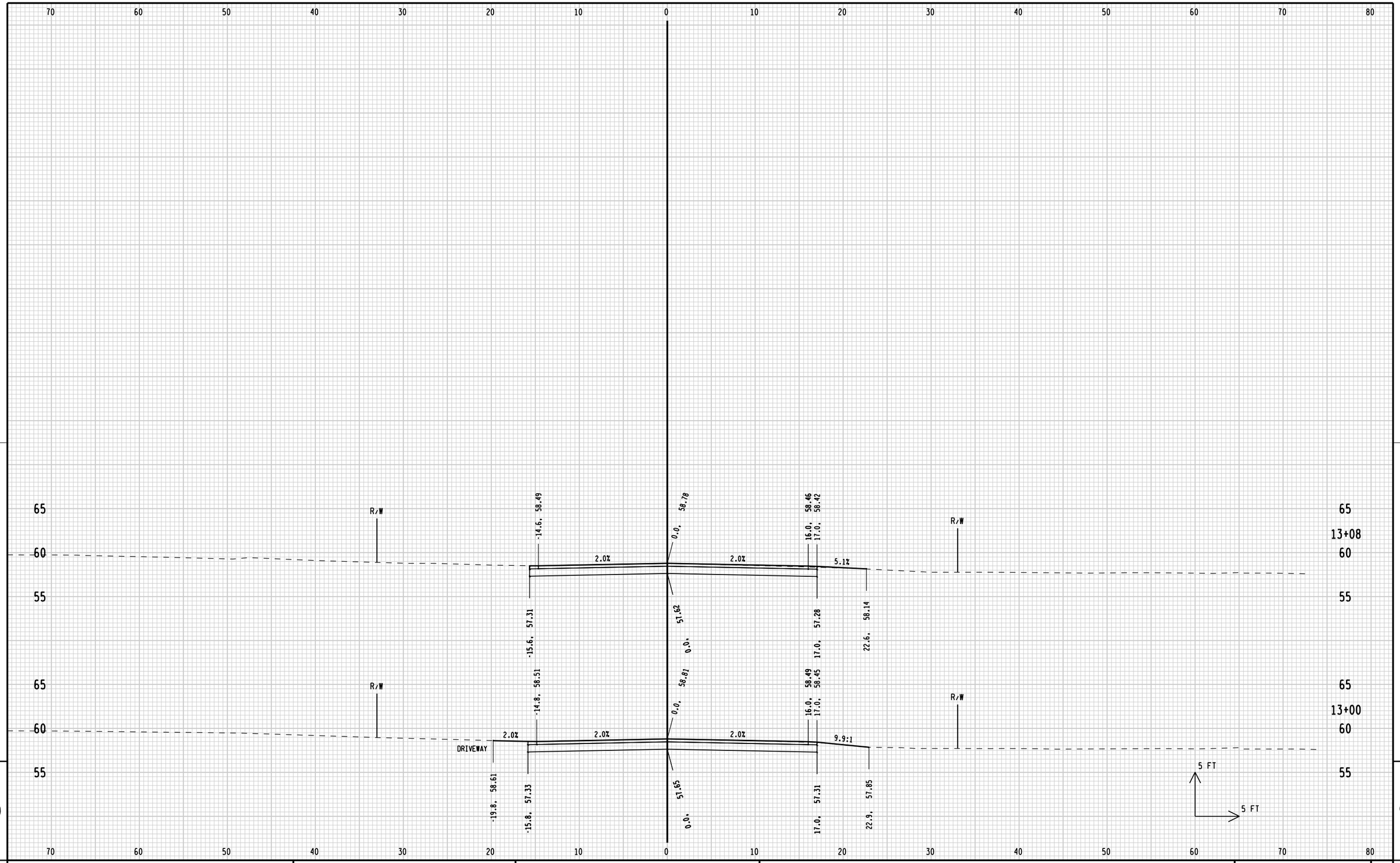
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BATCH PRINT SHEET 6 OF 7

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PLOT TIME: 10:07:30 AM

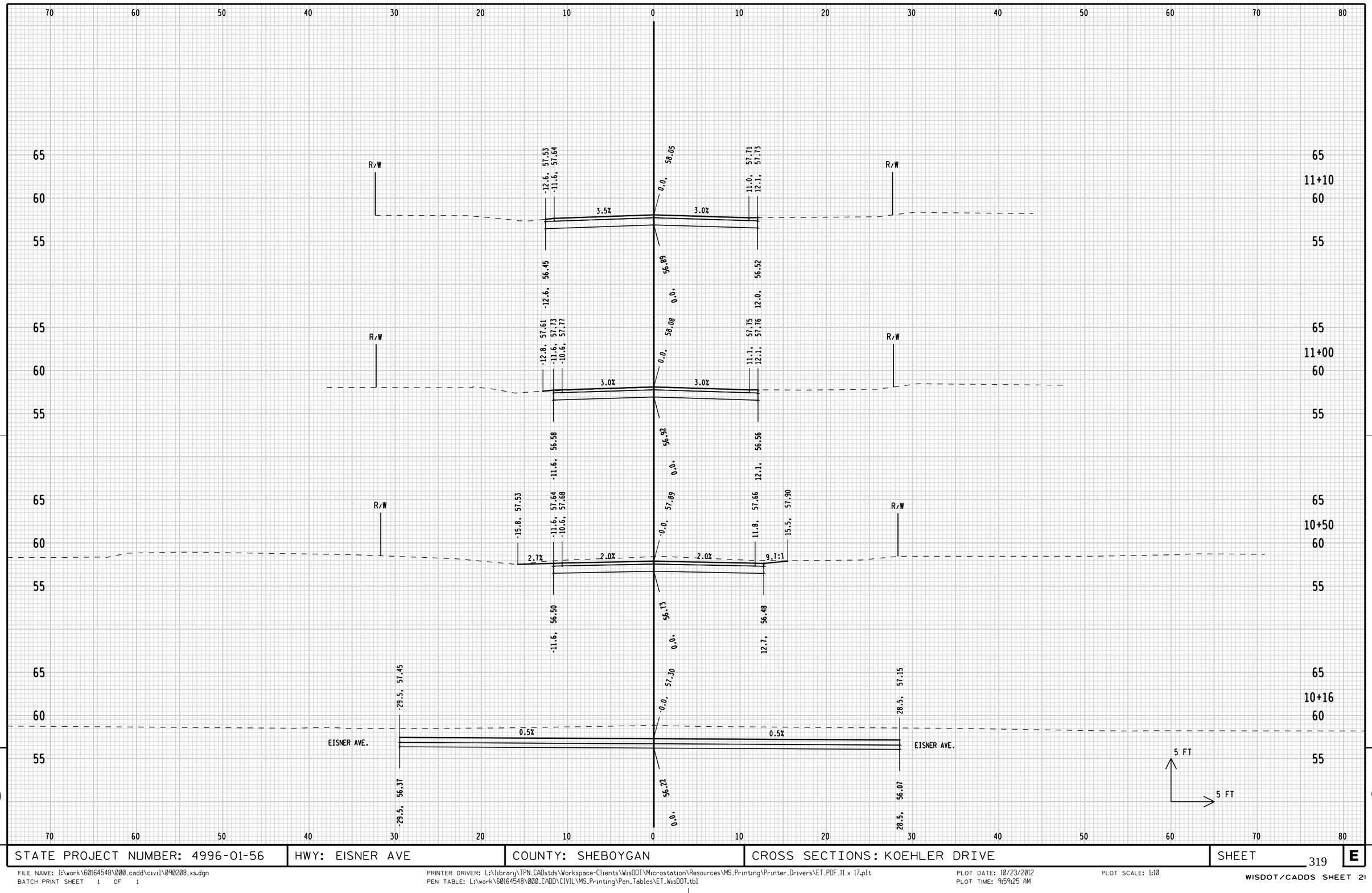
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WISDOT/CADDS SHEET 21



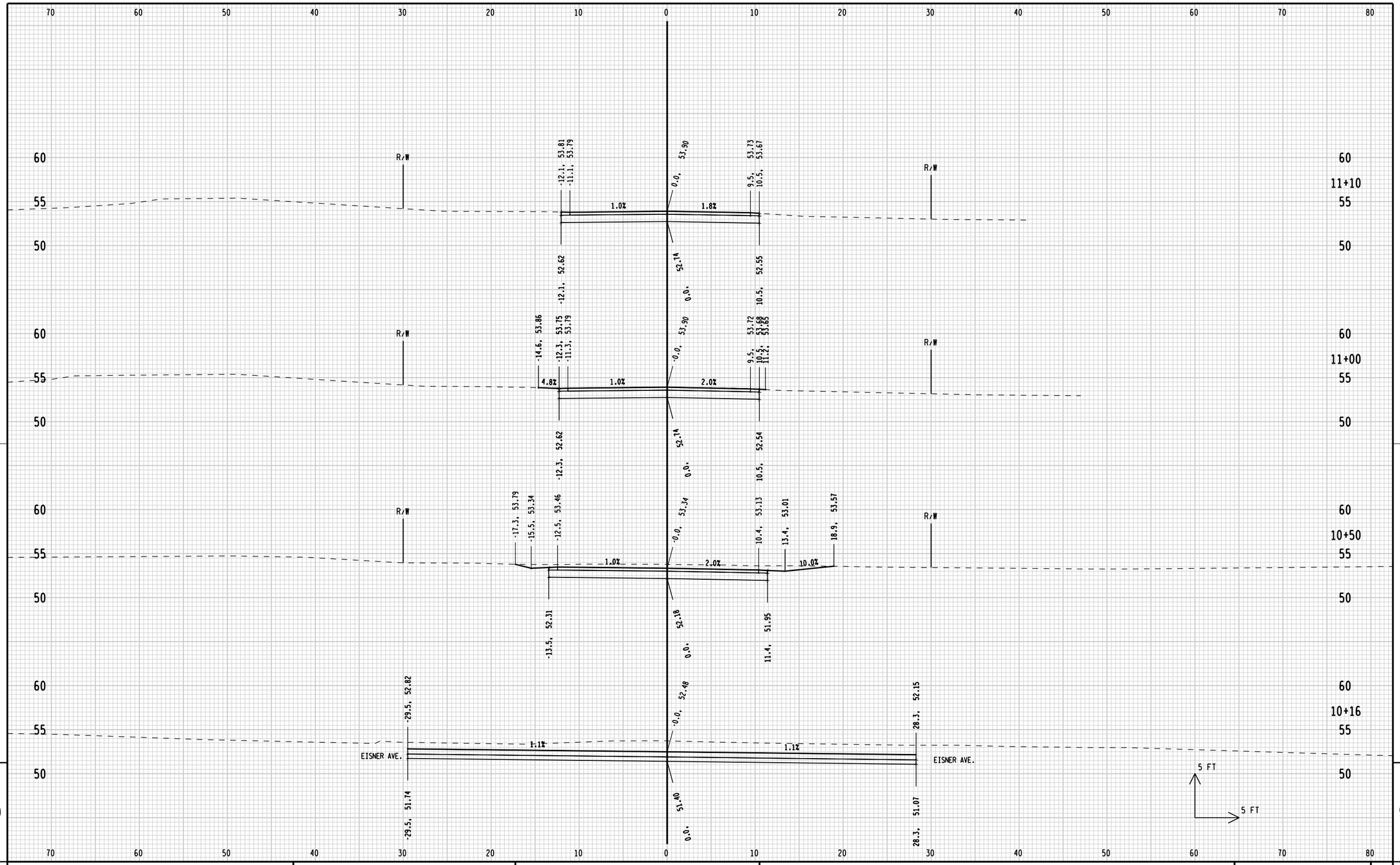
STATE PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE	COUNTY: SHEBOYGAN	CROSS SECTIONS: CTH LS/LAKESHORE ROAD	SHEET 318 E

FILE NAME: l:\work\60164548\000_cadd\civil\090219_xs.dgn
BATCH PRINT SHEET 7 OF 7
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PLOT TIME: 10:07:31 AM
PLOT SCALE: 1:10
WISDOT/CADDS SHEET 21



STATE PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE	COUNTY: SHEBOYGAN	CROSS SECTIONS: KOEHLER DRIVE	SHEET E

FILE NAME: I:\work\60164548\000_cadd\civil\090208_xs.dgn
BATCH PRINT SHEET 1 OF 1
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WISDOT/CADDS SHEET 21

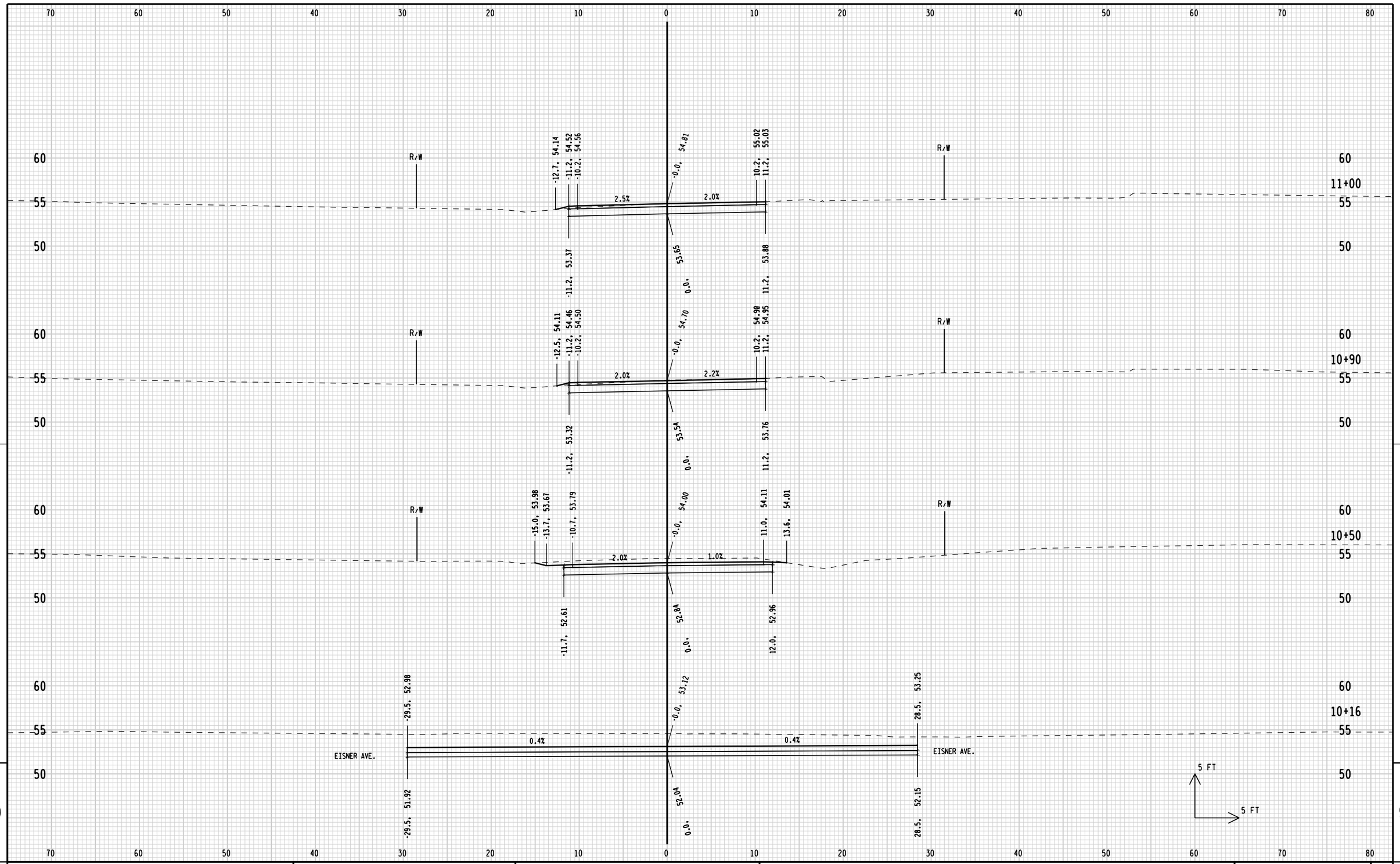


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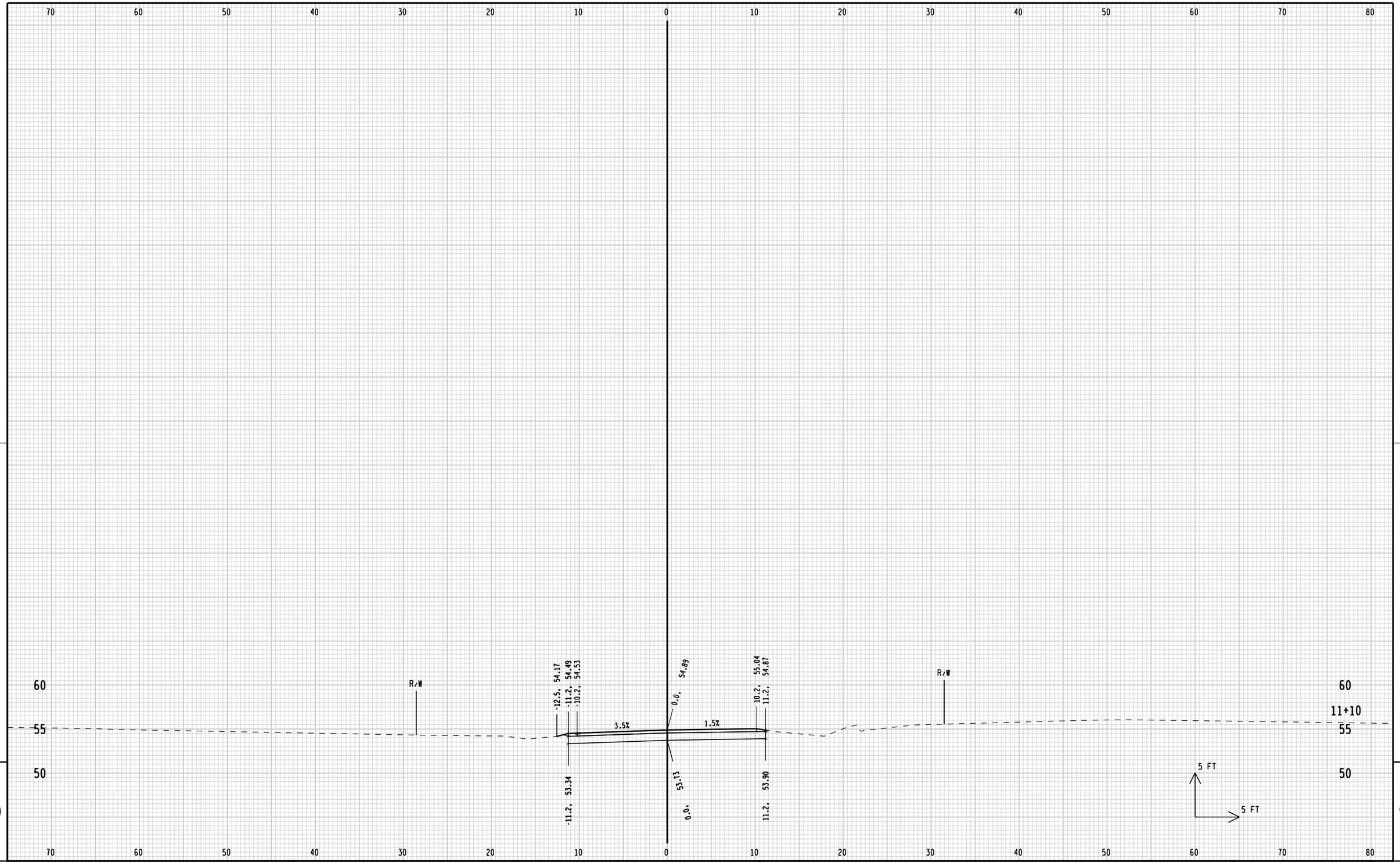
STATE PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE	COUNTY: SHEBOYGAN	CROSS SECTIONS: N 14TH STREET	SHEET E

FILE NAME: I:\work\60164548\000.cadd\civil\090209_xs.dgn
BATCH PRINT SHEET 1 OF 1
PRINTER DRIVER: L:\library\TPN_CADstds\Workspace-Clients\WisDOT\Microstation\Resources\MS_Printing\Printer_Drivers\ET_PDF_11 x 17.plt
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PLOT SCALE: 1:10
WISDOT/CADDS SHEET 21



STATE PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE	COUNTY: SHEBOYGAN	CROSS SECTIONS: N 13TH STREET	SHEET 321 E

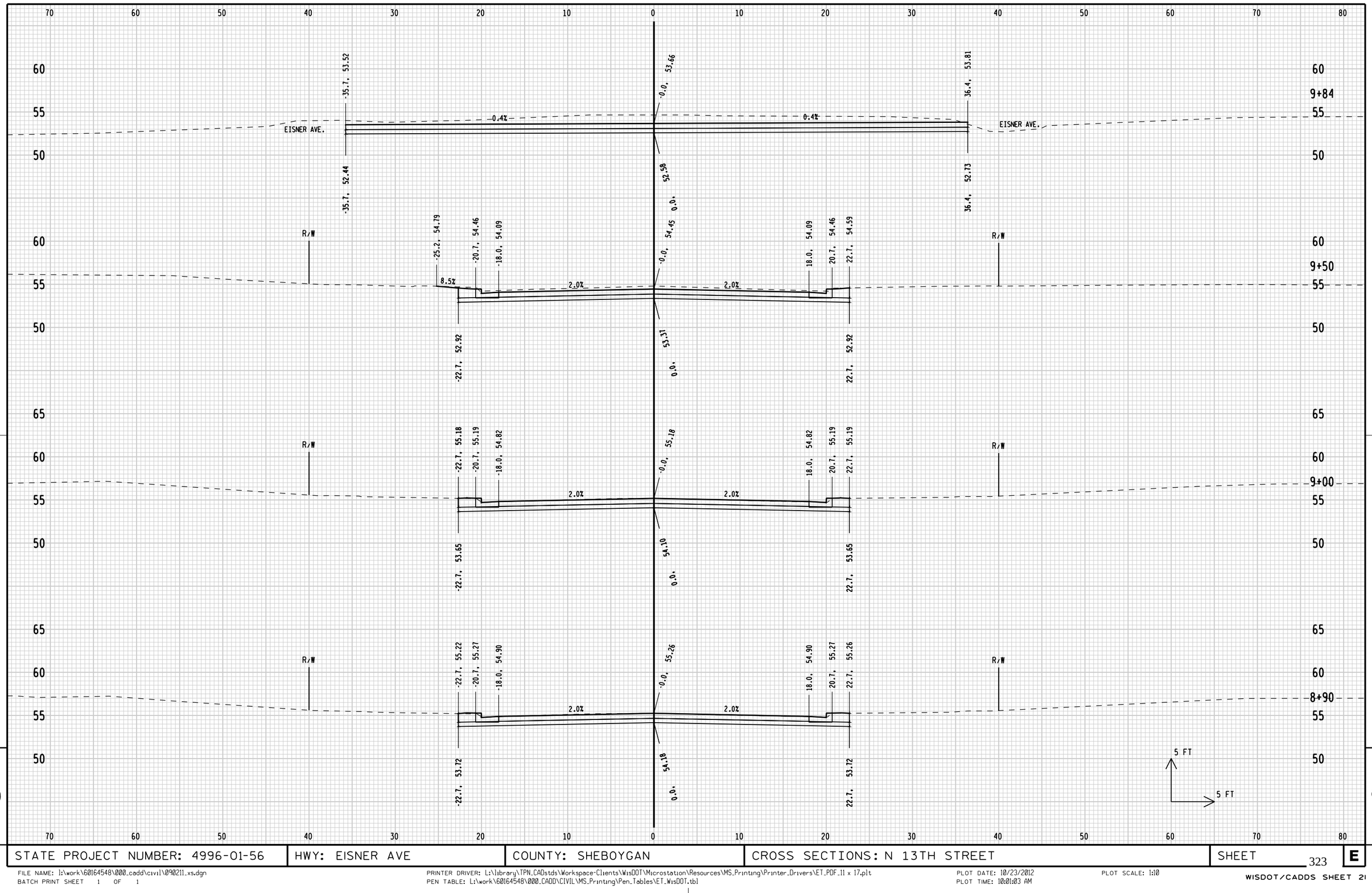
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BATCH PRINT SHEET 1 OF 2
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PLOT DATE: 10/23/2012
PLOT TIME: 10:00:39 AM
PLOT SCALE: 1:10
WISDOT/CADDS SHEET 21



9 9

STATE PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE	COUNTY: SHEBOYGAN	CROSS SECTIONS: N 13TH STREET	SHEET	E

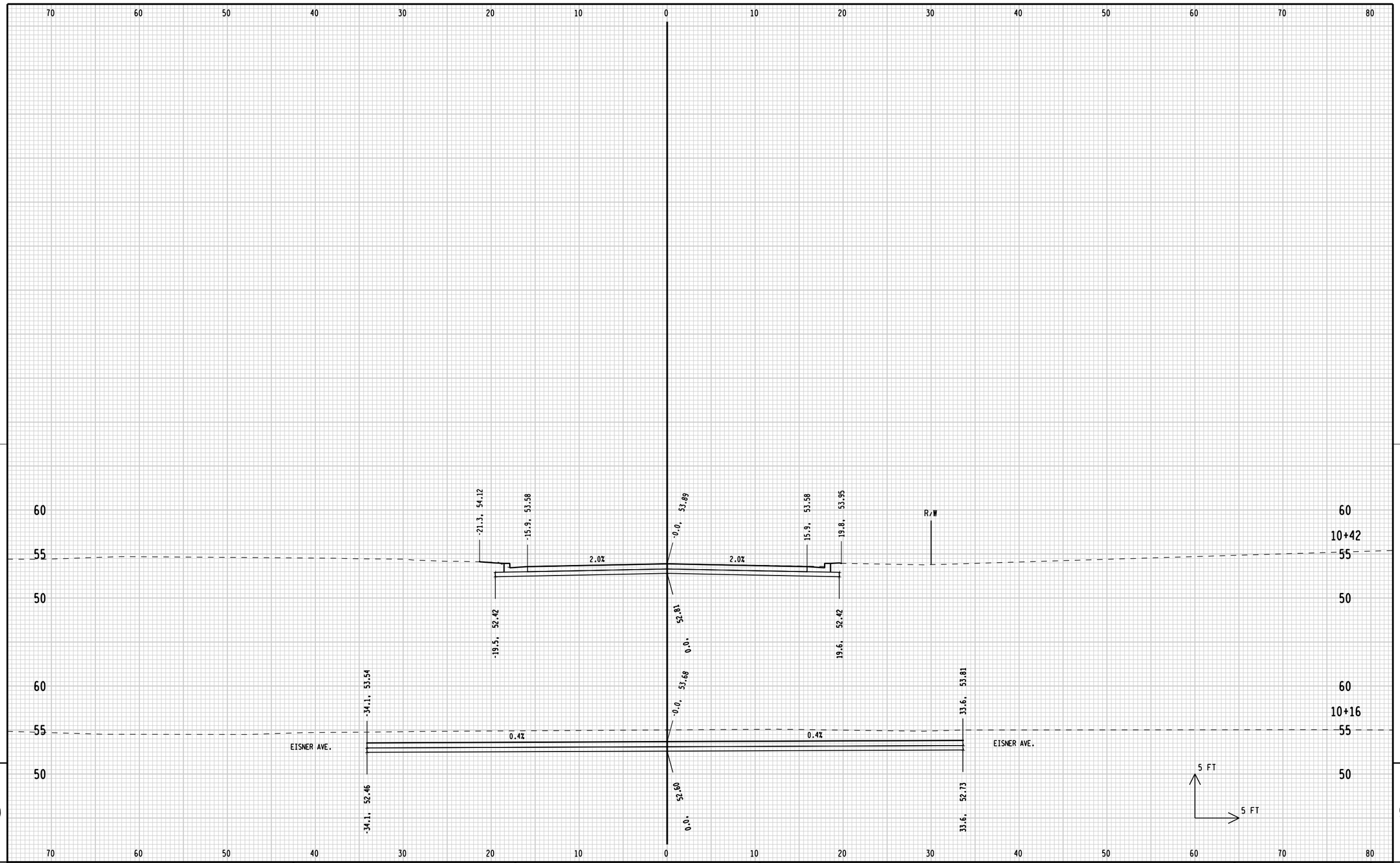
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BATCH PRINT SHEET 2 OF 2
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PLOT DATE: 10/23/2012
PLOT TIME: 10:00:40 AM
PLOT SCALE: 1:10
WISDOT/CADDS SHEET 21



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STATE PROJECT NUMBER: 4996-01-56 | HWY: EISNER AVE | COUNTY: SHEBOYGAN | CROSS SECTIONS: N 13TH STREET | SHEET E

FILE NAME: l:\work\60164548\000_cadd\civil\090211_xs.dgn
BATCH PRINT SHEET 1 OF 1
PRINTER DRIVER: L:\library\TPN_CADstds\Workspace-Clients\WisDOT\Microstation\Resources\MS_Printing\Printer_Drivers\ET_PDF_11 x 17.plt
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PLOT TIME: 10:01:03 AM
PLOT SCALE: 1:10
WISDOT/CADDS SHEET 21



STATE PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE	COUNTY: SHEBOYGAN	CROSS SECTIONS: N 12TH STREET	SHEET 324 E

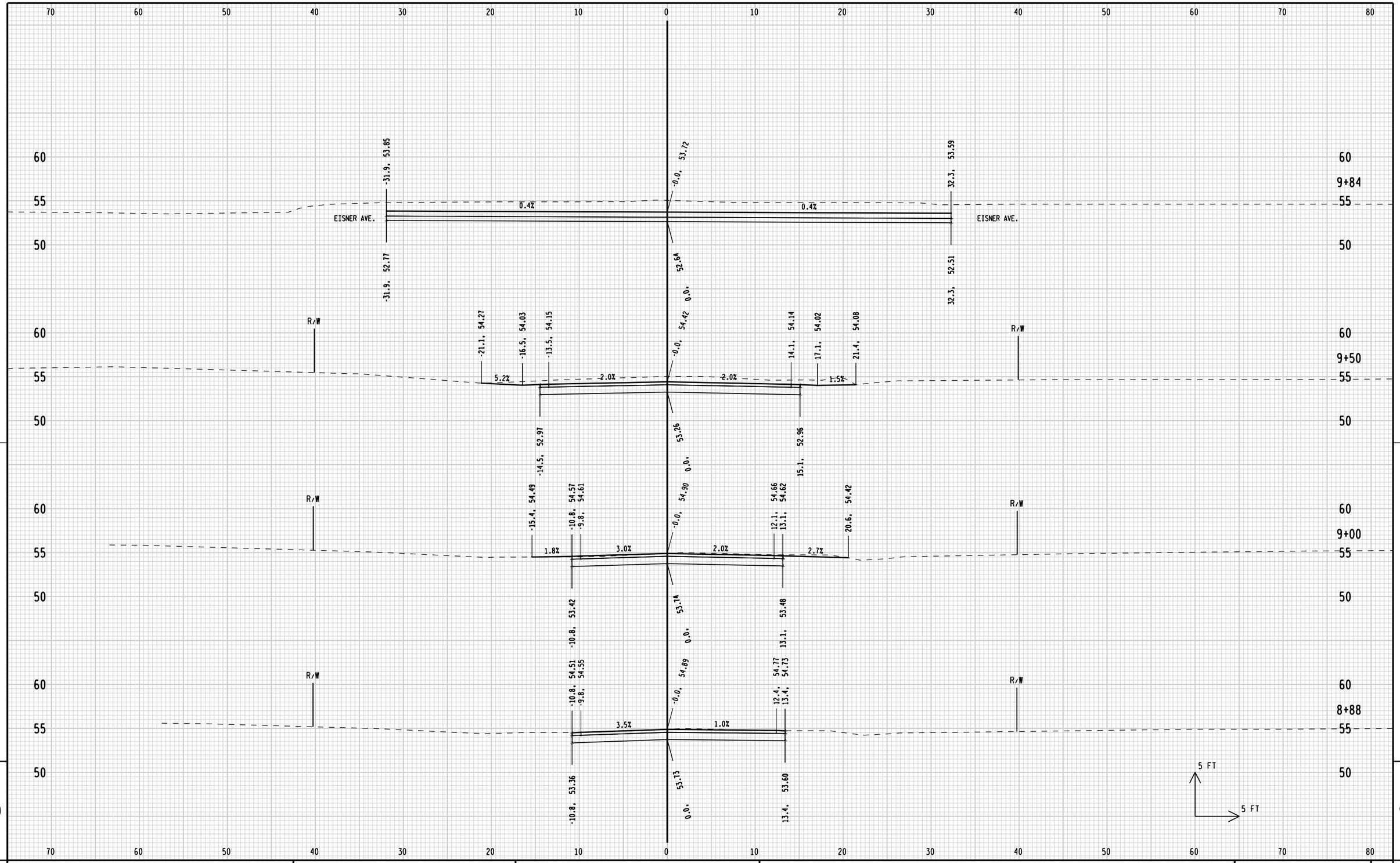
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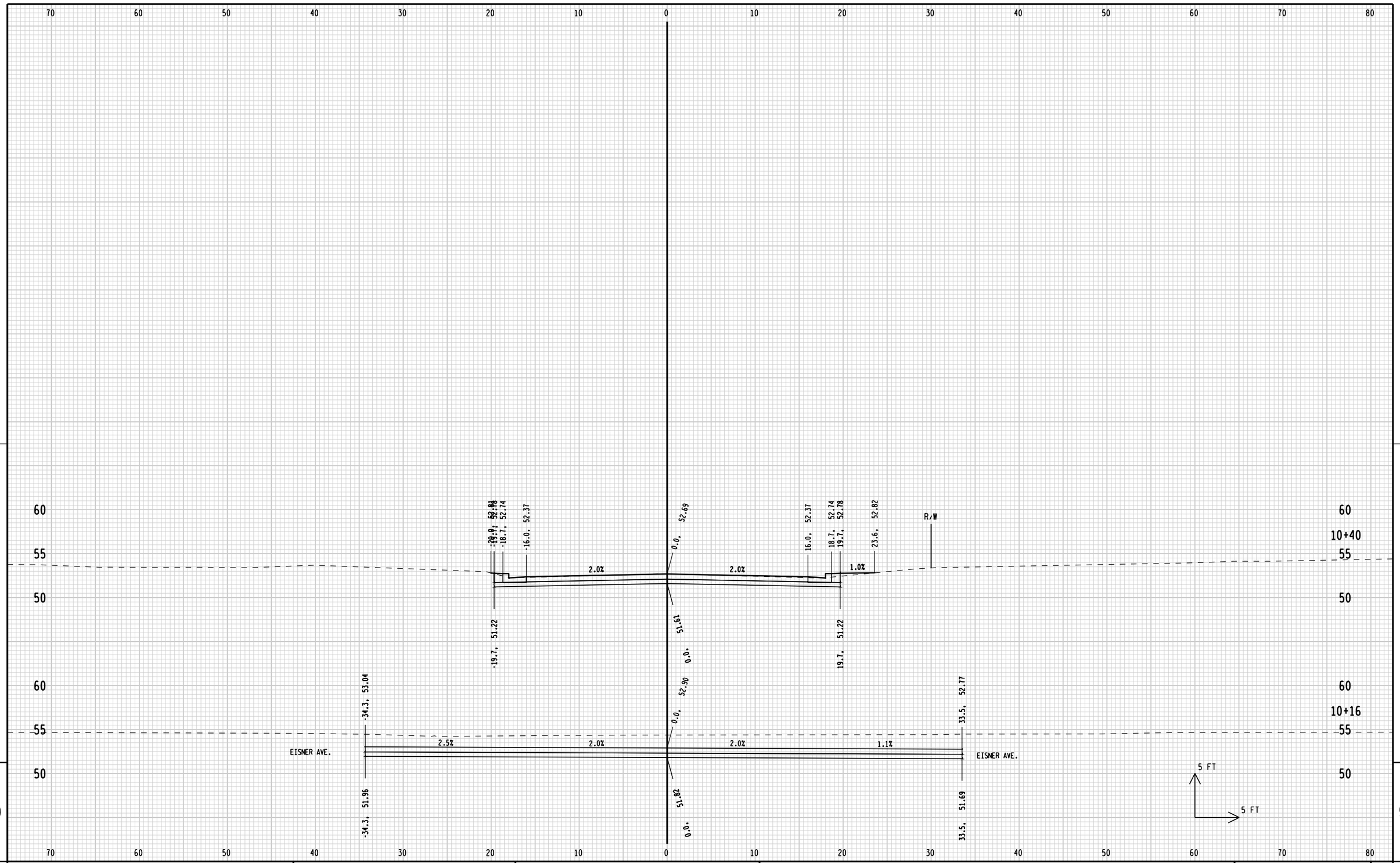
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WISDOT/CADDS SHEET 21



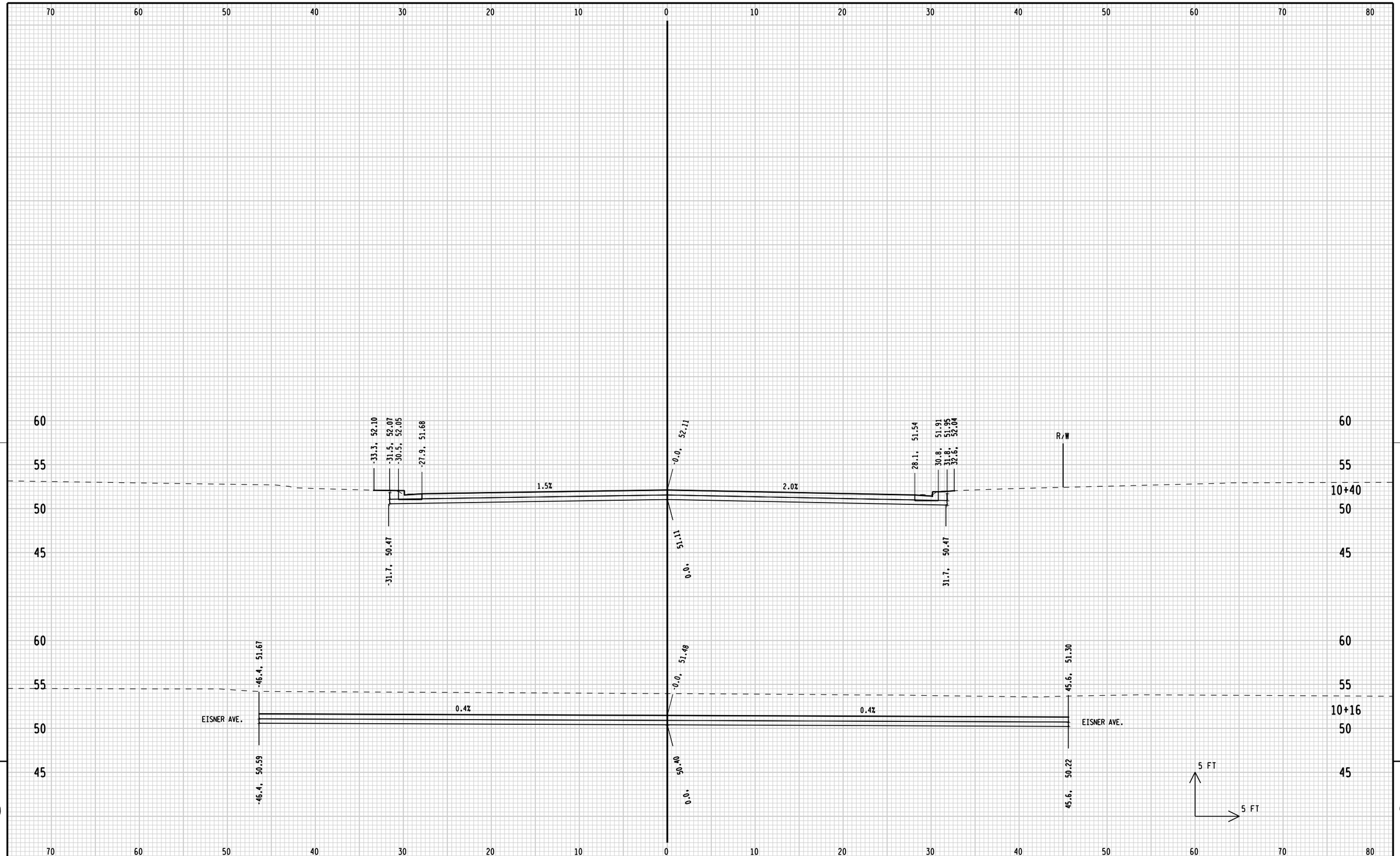
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WISDOT/CADDS SHEET 21



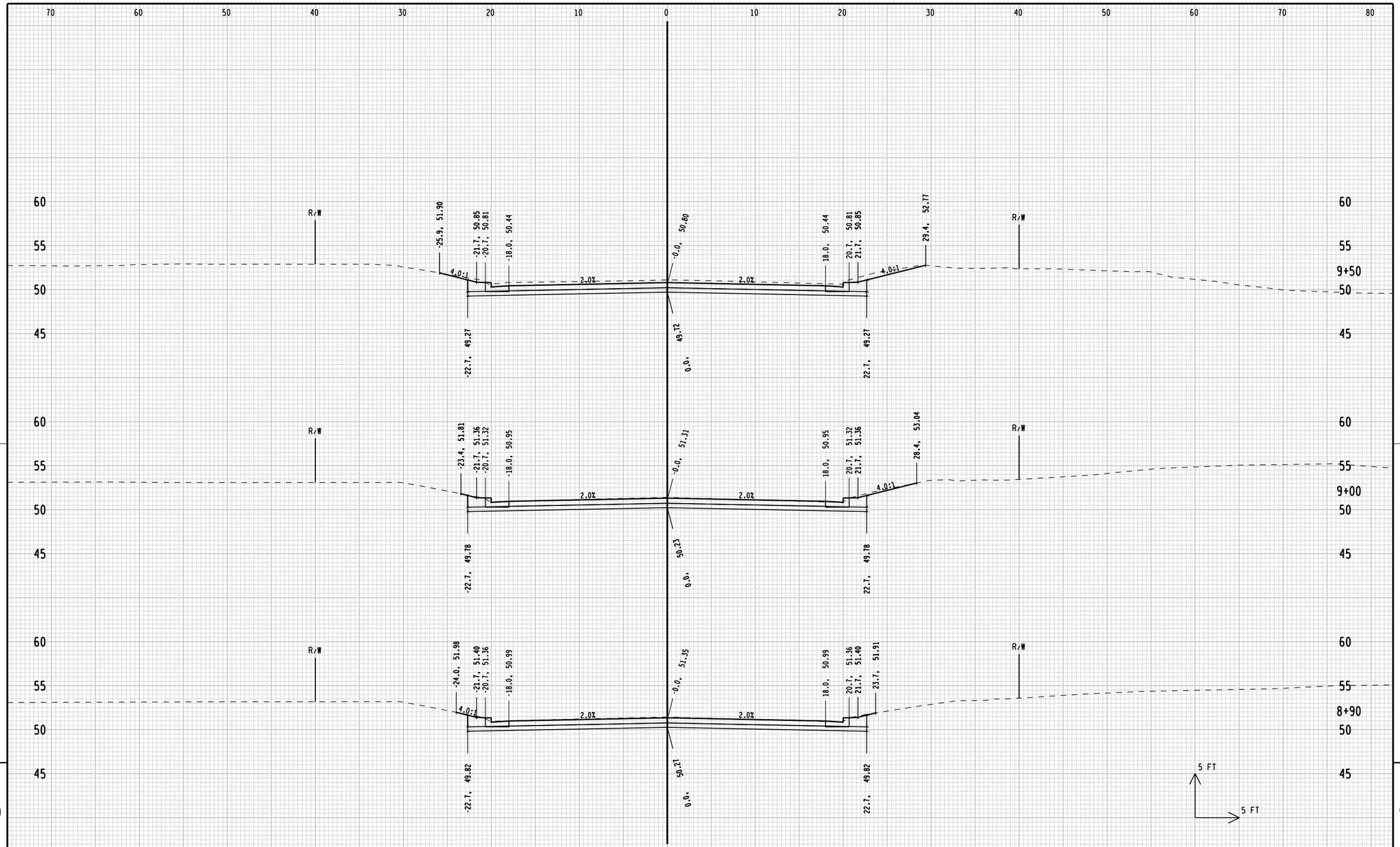
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WISDOT/CADDS SHEET 21



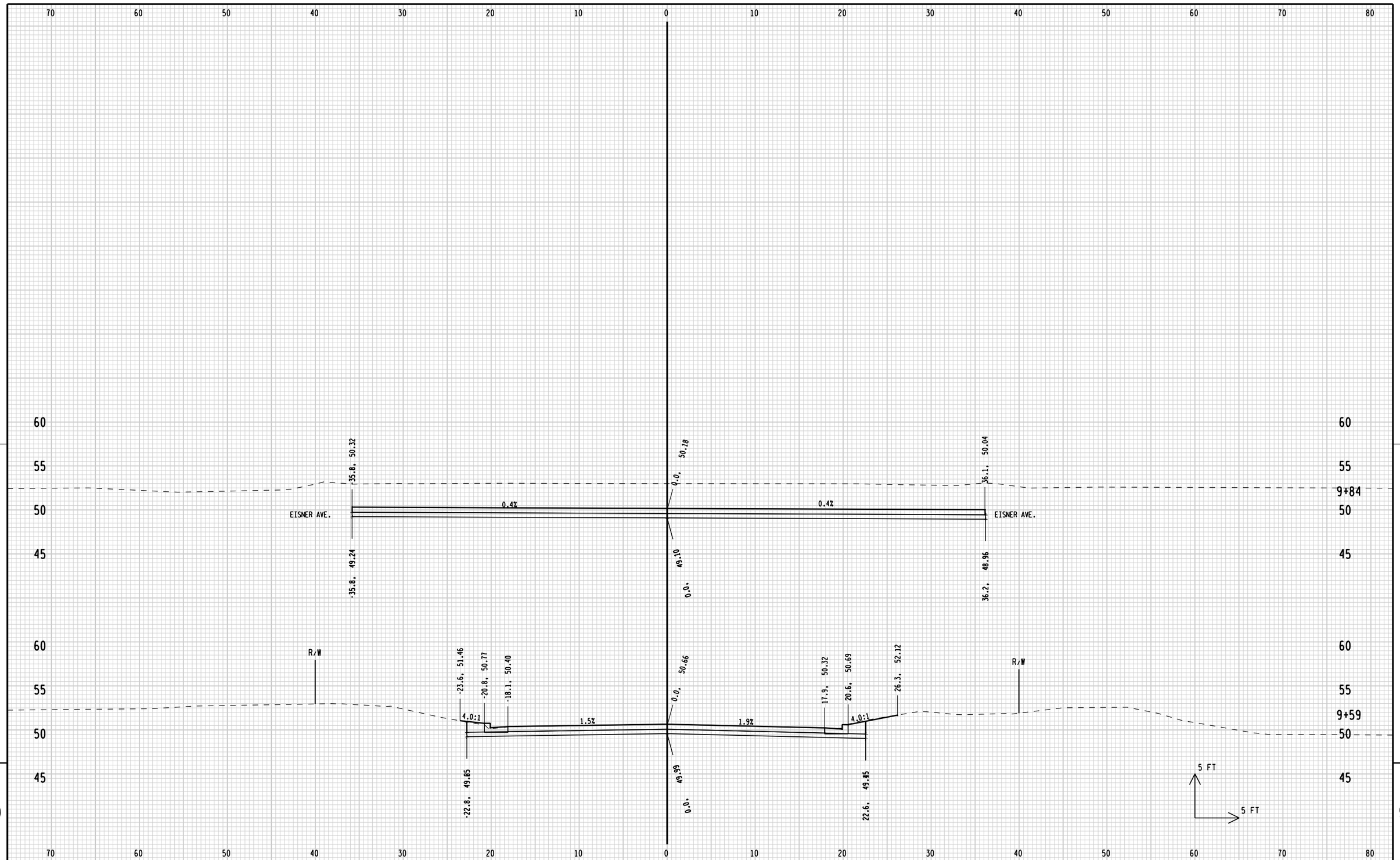
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WISDOT/CADDS SHEET 21



STATE PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE	COUNTY: SHEBOYGAN	CROSS SECTIONS: N 10TH SREET	SHEET 328 E

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PLOT SCALE: 1:10
WISDOT/CADDS SHEET 21



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STATE PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE	COUNTY: SHEBOYGAN	CROSS SECTIONS: N 10TH STREET	SHEET E

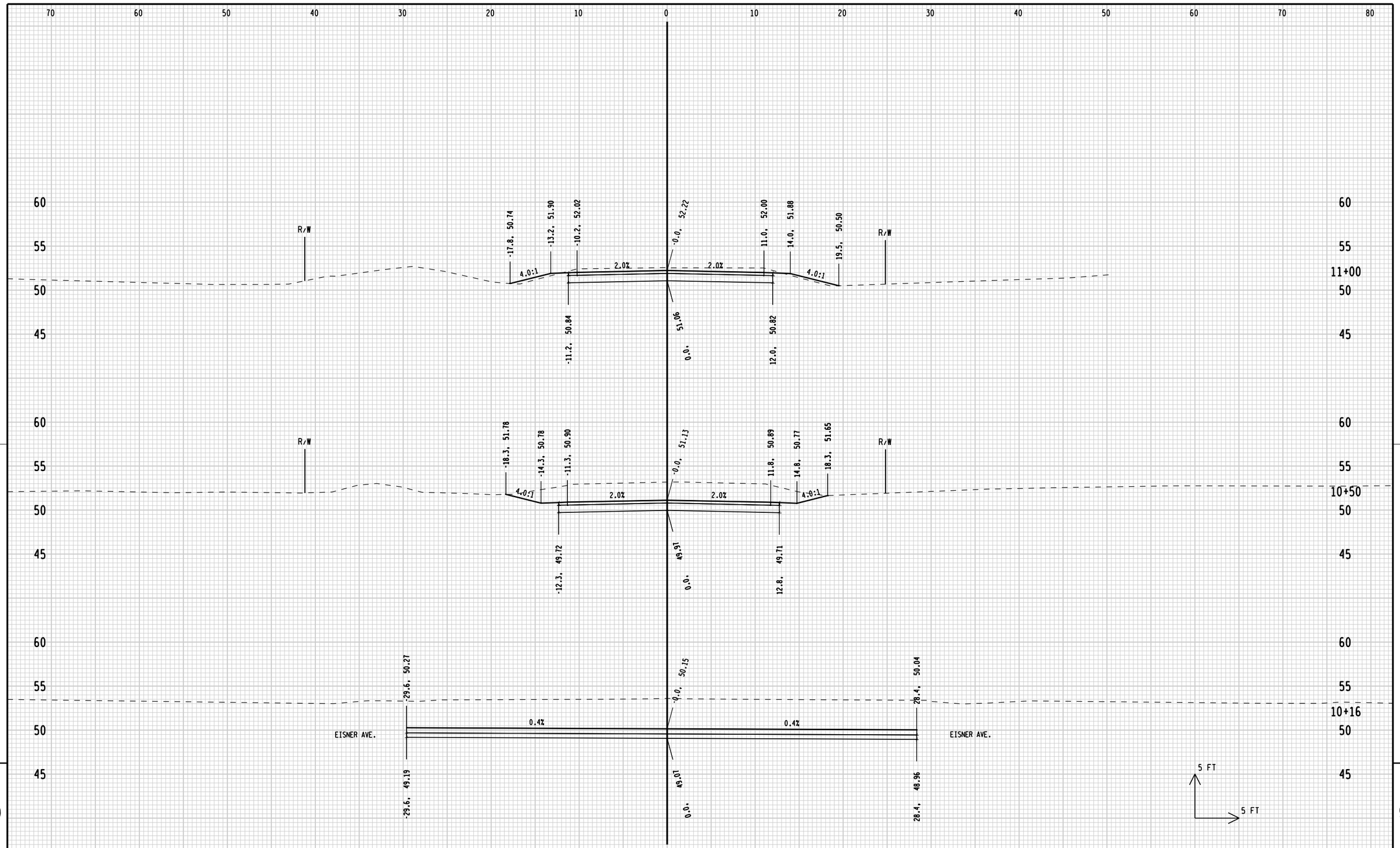
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BATCH PRINT SHEET 2 OF 2

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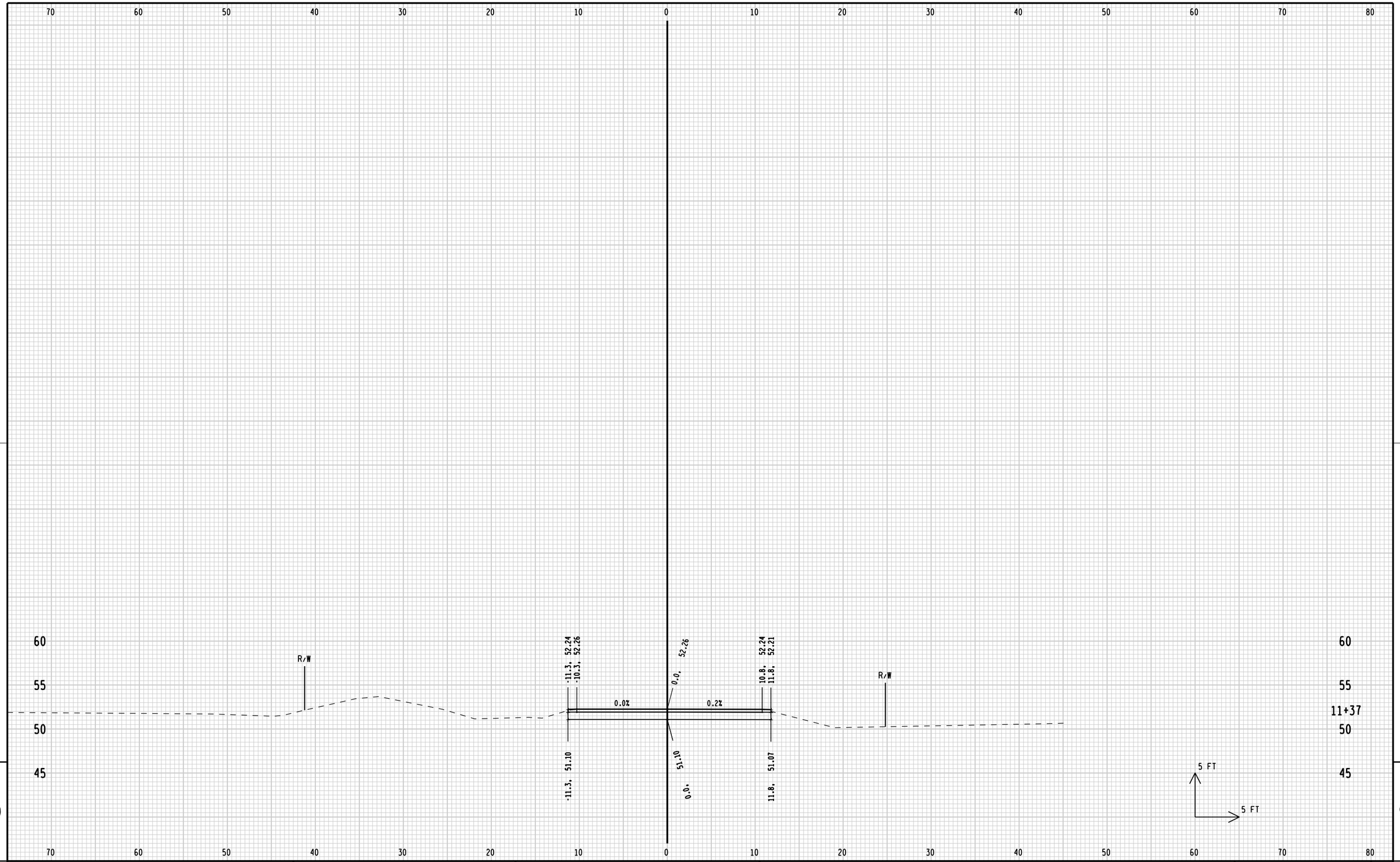
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WISDOT/CADDS SHEET 21



STATE PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE	COUNTY: SHEBOYGAN	CROSS SECTIONS: N 10TH SREET	SHEET	E

FILE NAME: l:\work\60164548\000.cadd\civil\090217_xs.dgn
BATCH PRINT SHEET 1 OF 2
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WISDOT/CADDS SHEET 21



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STATE PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE	COUNTY: SHEBOYGAN	CROSS SECTIONS: N 10TH STREET	SHEET 331	E

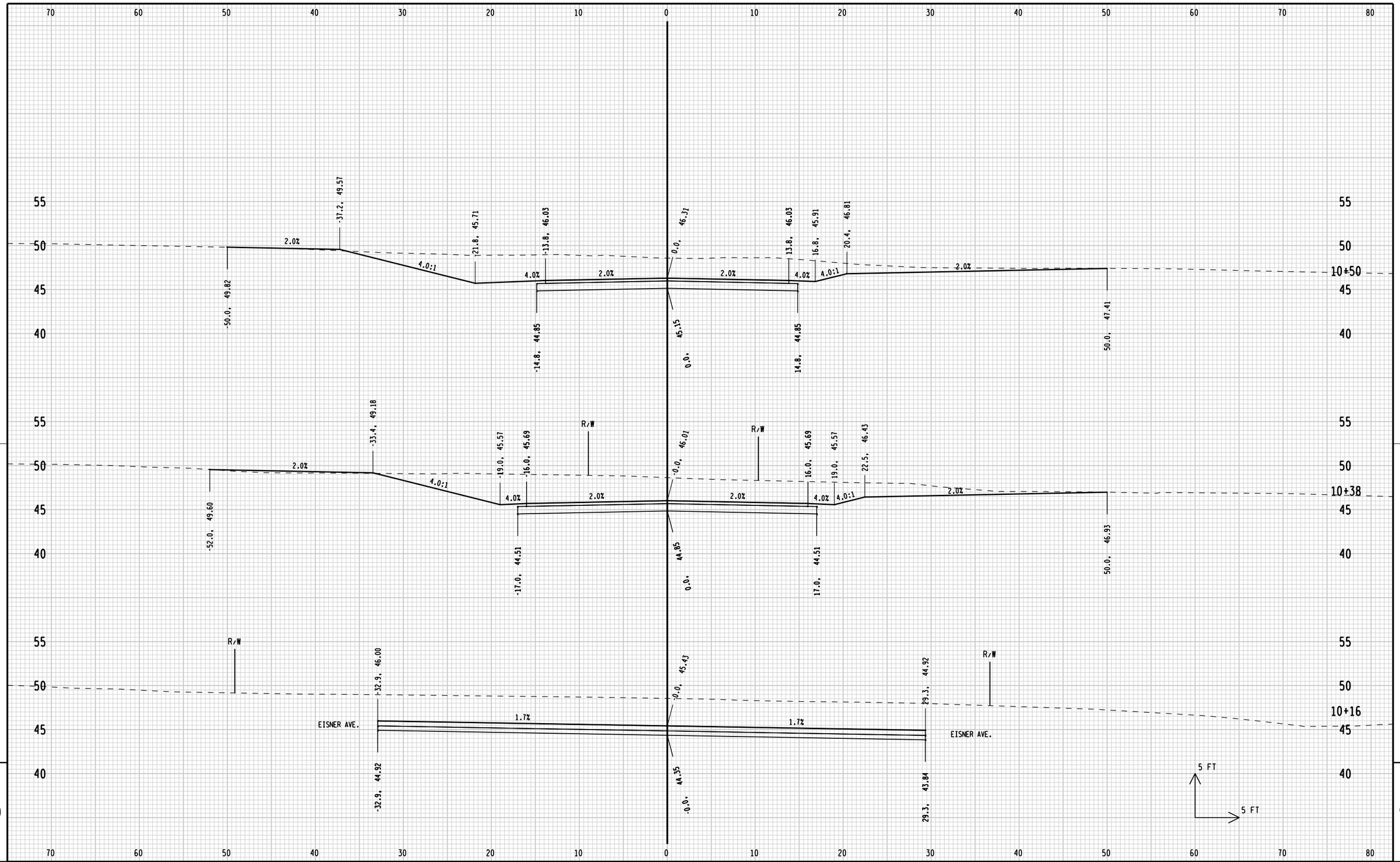
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BATCH PRINT SHEET 2 OF 2

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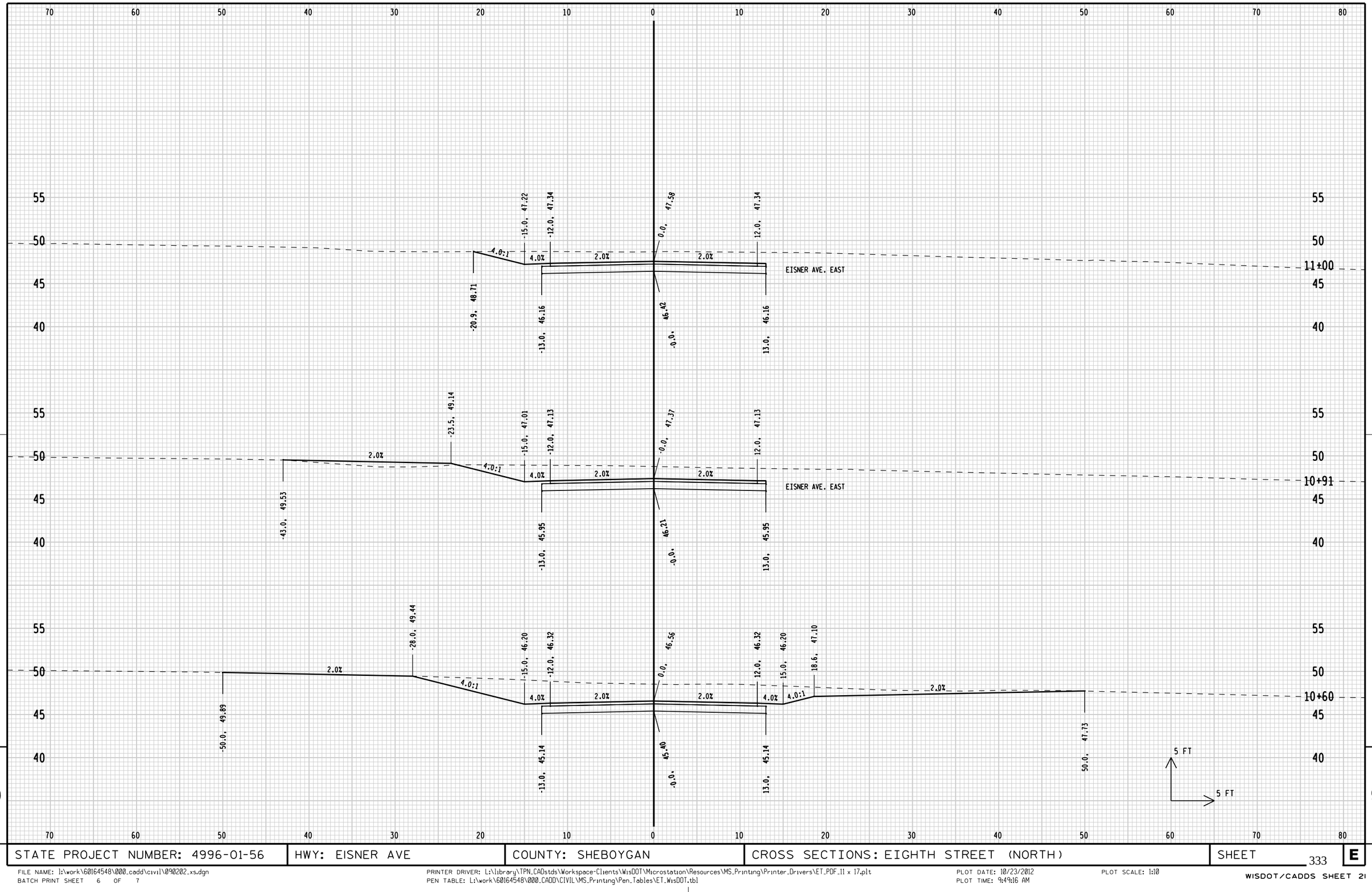
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WISDOT/CADDS SHEET 21



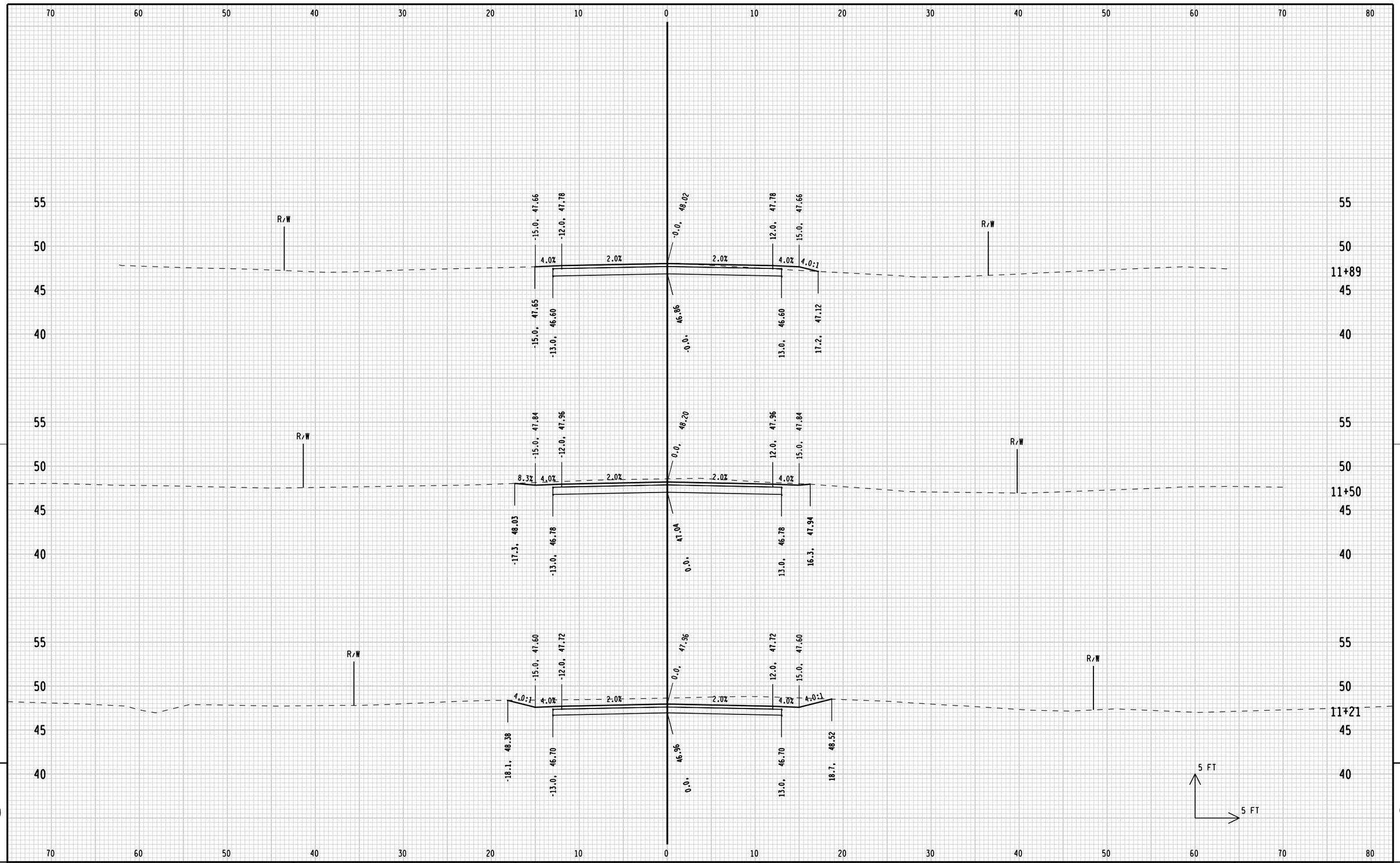
STATE PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE	COUNTY: SHEBOYGAN	CROSS SECTIONS: EIGHTH STREET (NORTH)	SHEET 332 E

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WISDOT/CADDS SHEET 21

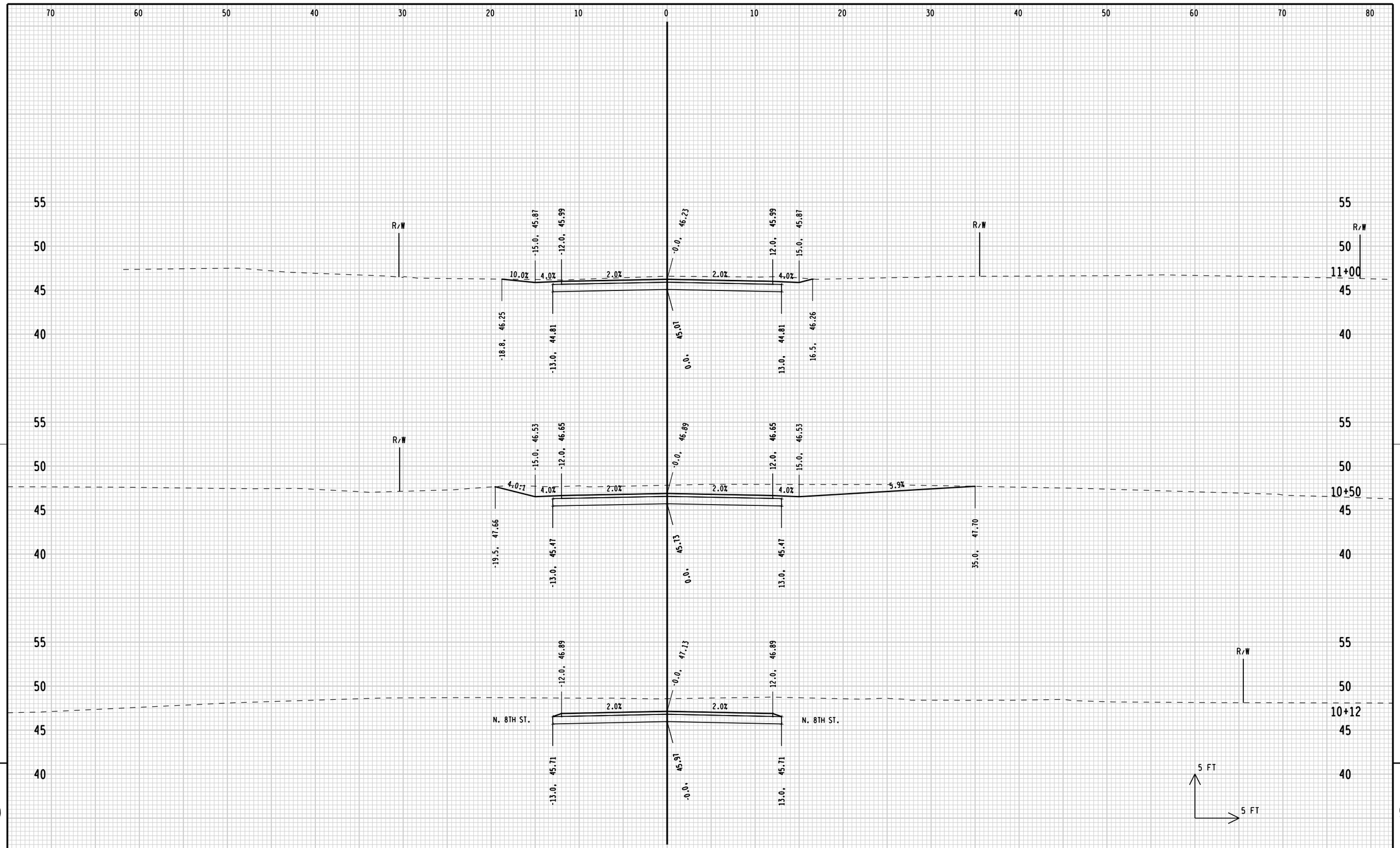


STATE PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE	COUNTY: SHEBOYGAN	CROSS SECTIONS: EIGHTH STREET (NORTH)	SHEET 333 E

FILE NAME: l:\work\60164548\000.cadd\civil\090202_xs.dgn
BATCH PRINT SHEET 6 OF 7
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WISDOT/CADDS SHEET 21



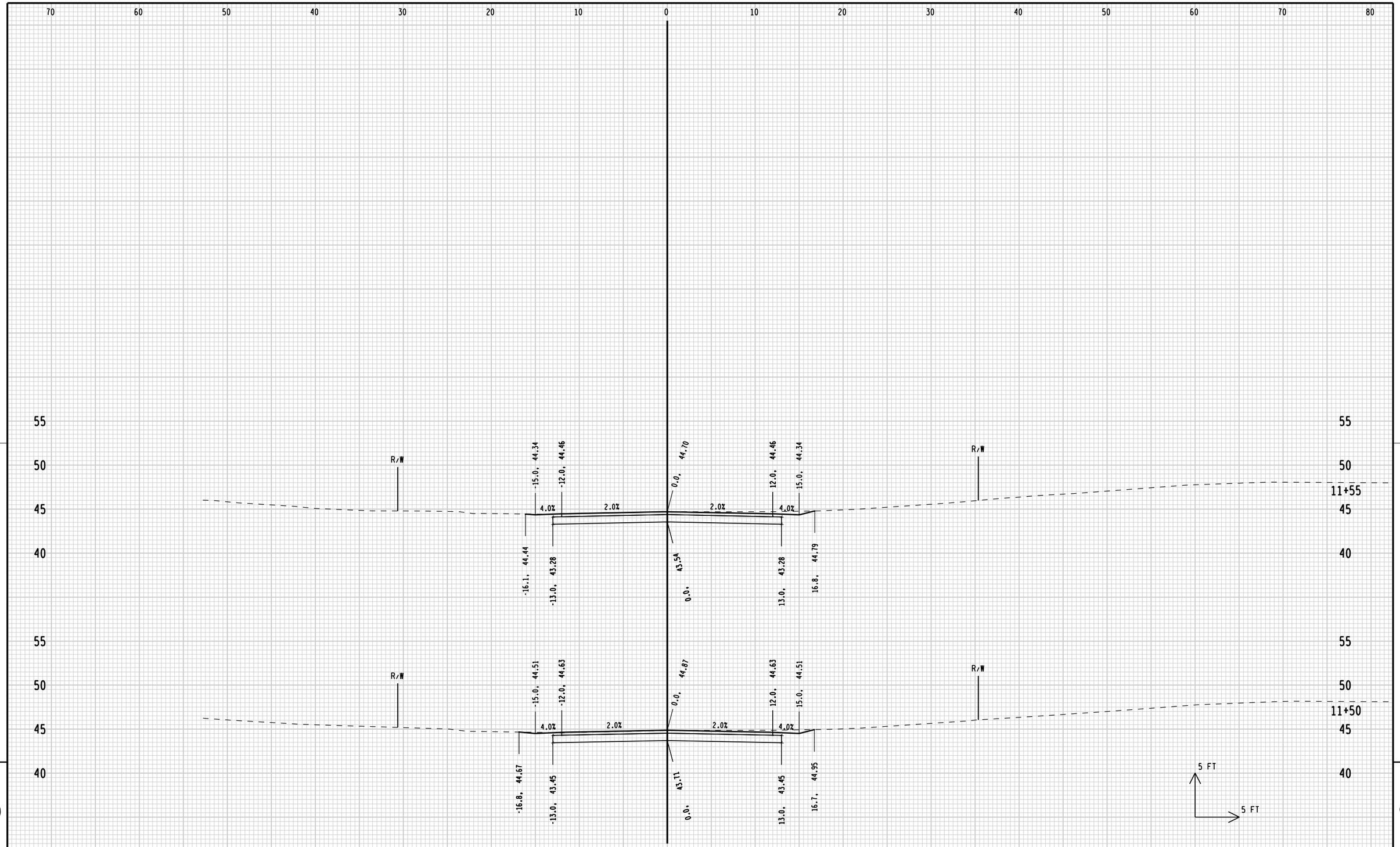
STATE PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE	COUNTY: SHEBOYGAN	CROSS SECTIONS: EIGHTH STREET (NORTH)	SHEET 334	E



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STATE PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE	COUNTY: SHEBOYGAN	CROSS SECTIONS: EISNER AVENUE (EAST)	SHEET 335 E



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STATE PROJECT NUMBER: 4996-01-56	HWY: EISNER AVE	COUNTY: SHEBOYGAN	CROSS SECTIONS: EISNER AVENUE (EAST)	SHEET 336 E

FILE NAME: l:\work\60164548\000_cadd\civil\090218_xs.dgn
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PLOT DATE: 10/23/2012
PLOT TIME: 10:07:08 AM

PLOT SCALE: 1:10

WISDOT/CADDS SHEET 21

Notes

Wisconsin Department of Transportation

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