APR 2015

ORDER OF SHEETS

Section No. 1 Title Typical Sections and Details (Includes Erosion Control Details) Estimate of Ouantities Section No. 2 Section No. 3

Miscellaneous Quantities Section No. 3

Right of Way Plat Plan and Profile

Standard Detail Drawings

Sign Plates Computer Earthwork Data Section No. 9 Cross Sections

TOTAL SHEETS = 172

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

R-11-E

PLAN OF PROPOSED IMPROVEMENT

FEDERAL PROJECT STATE PROJECT PROJECT CONTRACT 6844-00-70 WISC 2015190 1 WISC 2015191 6844-00-71 1

WAUSHARA COUNTY LINE - WAUPACA

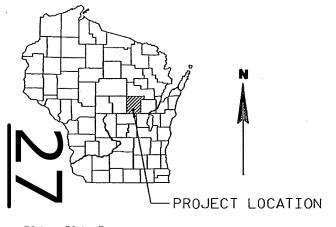
LIND CENTER ROAD INTERSECTION CTH E WAUPACA COUNTY

> STATE PROJECT NUMBER **|6844-00-70**

WAUSHARA COUNTY LINE - WAUPACA

WAUSHARA COUNTY LINE - HIGH POINT RIDGE RD CTH E WAUPACA COUNTY

> STATE PROJECT NUMBER 6844-00-71



DESIGN DESIGNATION

A.A.D.T. 2013 = 1480 A.A.D.T. 2033 = 1800 D.H.V. 2033 = 26,640 = 62/38 = 6.3% DESIGN SPEED = 55 MPH

= 226,300

BEGIN PROJECT 6844-00-71 STA -0+81.43

> X = 533.448.44Y = 299.908.93

> > PROFILE

GRADE LINE

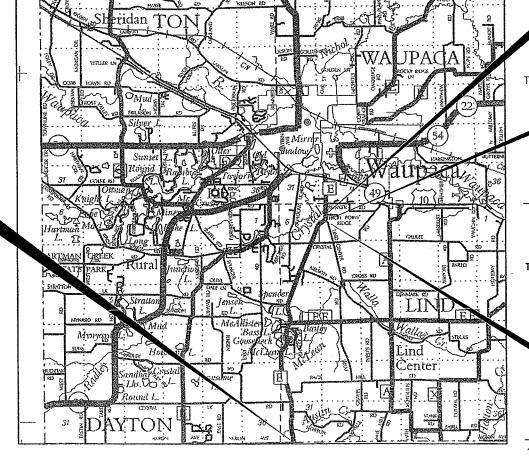
ORIGINAL GROUND

CONVENTIONAL SYMBOLS

PLAN CORPORATE LIMITS *!!!!!!!* PROPERTY LINE PL + 58.) LOT LINE LIMITED HIGHWAY EASEMENT EXISTING RIGHT OF WAY PROPOSED OR NEW R/W LINE SLOPE INTERCEPT REFERENCE LINE EXISTING CULVERT PROPOSED CULVERT (Box or Pipe)

- - r<u>-</u> -- -

ROCK _ MARSH OR ROCK PROFILE (To be noted as such) LABEL____ SPECIAL DITCH GRADE ELEVATION CULVERT (Profile View) UTILITIES ELECTRIC FIBER OPTIC SANITARY SEWER STORM SEWER TELEPHONE WATER UTILITY PEDESTAL Д POWER POLE TELEPHONE POLE



R-12-E

END PROJECT 6844-00-71 STA 322+40.54

X = 538,268.83Y = 330.272.14

T-22-N

END PROJECT 6844-00-70 STA 172+15LC

X = 538.191.14Y = 329,632.04

T-21-N

BEGIN PROJECT 6844-00-70 STA 170+62.26LC

X = 538,310.85Y = 329.539.39

T-20-N

PLOT BY : blee

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

Title of Official

ORIGINAL PLANS PREPARED BY

ACCEPTED FOR

COUNTY OF WAUPACA

1230 South Boulevard Baraboo, WI 53913

608-356-2771 1-800-362-4505 Fax: 608-356-2770 SCONS **MAXWELL** 39012-006 WI SSIONAL ENGLISHMENT WELL DATE: 7-6-14

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

PREPARED BY

Designer

MSA PROFESSIONAL SERVICES MSA PROFESSIONAL SERVICES

Consultant

CEDAR CORPORATION

PPROVED FOR THE DEPARTMENT

LAYOUT

TOTAL NET LENGTH OF CENTERLINE I.D. 6844-00-70 = 0.029 MI.

TOTAL NET LENGTH OF CENTERLINE I.D. 6844-00-71 = 6.122 Mi.

WOODED OR SHRUB AREA

COMBUSTIBLE FLUIDS

MARSH AREA

GENERAL NOTES

UTILITY INSTALLATIONS ARE NOT SHOWN ON THE PLANS.

PAVEMENT REMOVAL WILL BE TO THE NEAREST JOINT OR A SAWED EDGE WILL BE REQUIRED AS DIRECTED BY THE ENGINEER.

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

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY ARE TO BE FERTILIZED, SEEDED AND TEMPORARILY SEEDED AS DIRECTED BY THE ENGINEER.

ALL WASTE MATERIAL RESULTING FROM THE VARIOUS CONSTRUCTION OPERATIONS ADJACENT TO PAVEMENT UNDER TRAFFIC SHALL BE ENTIRELY REMOVED AND PROPERLY DISPOSED OF IMMEDIATELY OR AS DIRECTED BY THE ENGINEER.

THE LOW SIDE SHOULDER SLOPE ON SUPERELEVATION SECTIONS EQUALS SUPERELEVATION WHEN SUPERELEVATION IS GREATER THAN 4.00%. IF SUPERELEVATION IS LESS THAN OR EQUAL TO 4.00%, THEN THE LOW SIDE SHOULDER SLOPE IS 4.00%. HIGH SIDE SHOULDER SLOPE ON SUPERELEVATION SECTIONS EQUALS SUPERELEVATION.

THE QUANTITY OF THE ITEMS FOR EROSION PROTECTION INCLUDES AN UNDISTRIBUTED AMOUNT FOR PROTECTION. CONTROL AND ABATEMENT OF WATER POLLUTION RESULTING FROM SOIL EROSION. THE DISTRIBUTION AND LOCATION OF THESE MATERAILS ARE TO BE DETERMINED BY THE ENGINEER.

THE EXACT LOCATION OF PRIVATE ENTRANCES IS TO BE DETERMINED IN THE FIELD BY THE ENGINEER. ALL DRIVEWAYS ARE TO BE REPLACED IN KIND.

PURSUANT TO CHAPTER 59 OF THE WISCONSIN STATUTES, THE CONTRACTOR SHALL CAREFULLY MAKE A SEARCH FOR EVIDENCE OF A LANDMARK IN ALL AREAS WHERE SUCH A LANDMARK MAY EXIST.

HMA PAVEMENT TYPE E-1 SHALL BE PLACED IN TWO LIFTS. THE CONTRACTOR'S OPERATIONS SHALL BE CONSISTENT WITH THE PLAN TYPICAL SECTIONS. THE BOTTOM LAYER SHALL BE 23/4-INCHES WITH NOMINAL AGGREGATE SIZE OF 19MM AND THE TOP LAYER SHALL BE 13/4-INCH WITH NOMINAL AGGREGATE SIZE OF 12.5MM.

MILL DEPTH OVER THE BOX CULVERTS AT STA 17+09 AND 116+49 SHALL BE 2-INCHES. REPLACE WITH 2-INCHES HMA PAVEMENT TYPE E-1 IN ONE LIFT.

THE CONTRACTOR IS TO WORK WITH UTMOST CARE AND PROTECT ALL SURVEY MARKERS.

HMA PAVEMENT CALCULATED BY USING 113 LB/SY/IN.

ABBREVIATIONS

| AC AC ASPH AVG ADT BAD BM CL CC CONC CSCP CSM CTH CULV CP C&G DHV DIA DWY E X ELEV EW ENT ESALS EXC EBS EXIST FF FERT FE FG FT | ACRES ASPHALT CEMENT ASPHALT AVERAGE AVERAGE AVERAGE DAILY TRAFFIC BASE AGGREGATE DENSE BENCHMARK CENTERLINE CENTER TO CENTER CONCRETE CORRUGATED STEEL CULVERT PIPE CERTIFIED SURVEY MAP COUNTY TRUNK HIGHWAY CULVERT CULVERT CULVERT PIPE CURB & GUTTER DEGREE OF CURVE DESIGN HOURLY VOLUME DIAMETER DRIVEWAY EAST EAST GRID COORDINATE ELEVATION ENDWALL ENTRANCE EQUIVALENT SINGLE AXLE LOADS EXCAVATION EXCAVATION BELOW SUBGRADE EXISTING FACE TO FACE FINISHED GRADE FOOT | G.V. INV IP JCT LHF L LS NC N PC PI PT PL REQD R/W RHF SALV SHLDR SDD STA SE TAN TLE T TYP VERT VC WV W | GAS VALVE INVERT IRON PIPE JUNCTION LEFT HAND FORWARD LENGTH LUMP SUM NORMAL CROWN NORTH NORTH GRID COORDINATE POINT OF CURVATURE POINT OF INTERSECTION POINT OF TANGENCY PROPERTY LINE PRIVATE ENTRANCE RADIUS REQUIRED RIGHT-OF-WAY RIGHT HAND FORWARD SALVAGED SHOULDER STANDARD DETAIL DRAWINGS STATION SUPERELEVATION TANGENT TEMPORARY LIMITED EASEMENT TRUCKS TYPICAL VERTICAL VERTICA |
|--------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|--------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

ORDER OF TYPICAL SECTIONS AND DETAILS

- PROJECT OVERVIEW
- 2. TYPICAL SECTIONS
- 3. CONSTRUCTION DETAILS
- 4. STEEL RAILING TYPE W
- 5. INTERSECTION DETAILS
- 6. PERMANENT SIGNING
- 7. SUPERELEVATION DIAGRAM

UTILITIES

FIBER OPTIC CHARTER COMMUNICATION ATTN: RUDI RUDIGER 5024 HEFFRON STREET STEVENS POINT, WI 54481 715-302-1550 EMAIL: RUDIRUDIGER@CHARTER.COM

TELEPHONE AT&T ATTN: MIKE HAHN OSP DESIGN ENGINEERING 221 WEST WASHINGTON STREET, 4TH FLOOR APPLETON, WI 54911-4742 920-735-3358 EMAIL: MH5151@ATT.COM

WE ENERGIES ATTN: BILL GARSKI 1921 8TH STREET SOUTH WISCONSIN RAPIDS, WI 54494 715-421-7259 EMAIL: BILL.GARSKI@WE-ENERGIES.COM

CITY OF WAUPACA ATTN: JOHN EDLEBECK DIRECTOR OF PUBLIC WORKS 111 S. MAIN STREET WAUPACA, WI 54981 715-258-4420 CELL: 715-496-3080 EMAIL: JEDLEBEC@CITYOFWAUPACA.ORG

ELECTRIC WE ENERGIES ATTN: STEVEN ARMSTRONG P.O. BOX 1699 APPLETON, WI 54912-1699 920-380-3563 EMAIL: STEVEN.ARMSTRONG@WE-ENERGIES.COM

DESIGN CONTACT

MSA PROFESSIONAL SERVICES, INC. ATTN: MS. BOBBIL. MAXWELL 1230 SOUTH BOULEVARD BARABOO, WI 53913 TELEPHONE: 608-355-8861 EMAIL: BMAXWELL@MSA-PS.COM

DNR LIAISON

WISCONSIN DEPARTMENT OF NATURAL RESOURCES DNR NORTHEAST REGIONAL HO ATTN: MATTHEW SCHAEVE 2984 SHAWANO AVE. GREEN BAY, WI 54313 TELEPHONE: 920-662-5472 EMAIL: MATTHEW.SCHAEVE@WISCONSIN.GOV



PROJECT NO:6844-00-70/71

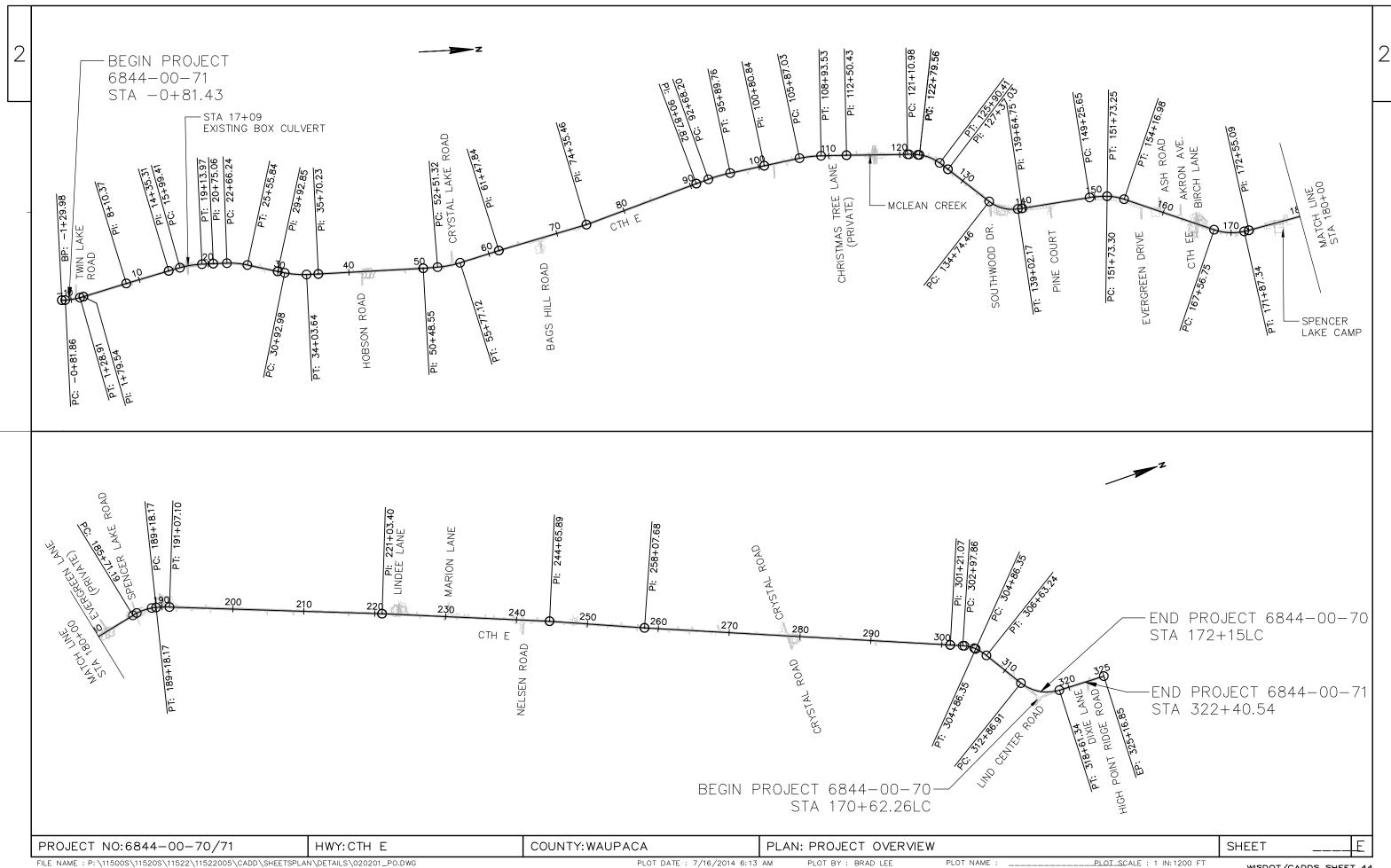
HWY: CTH E

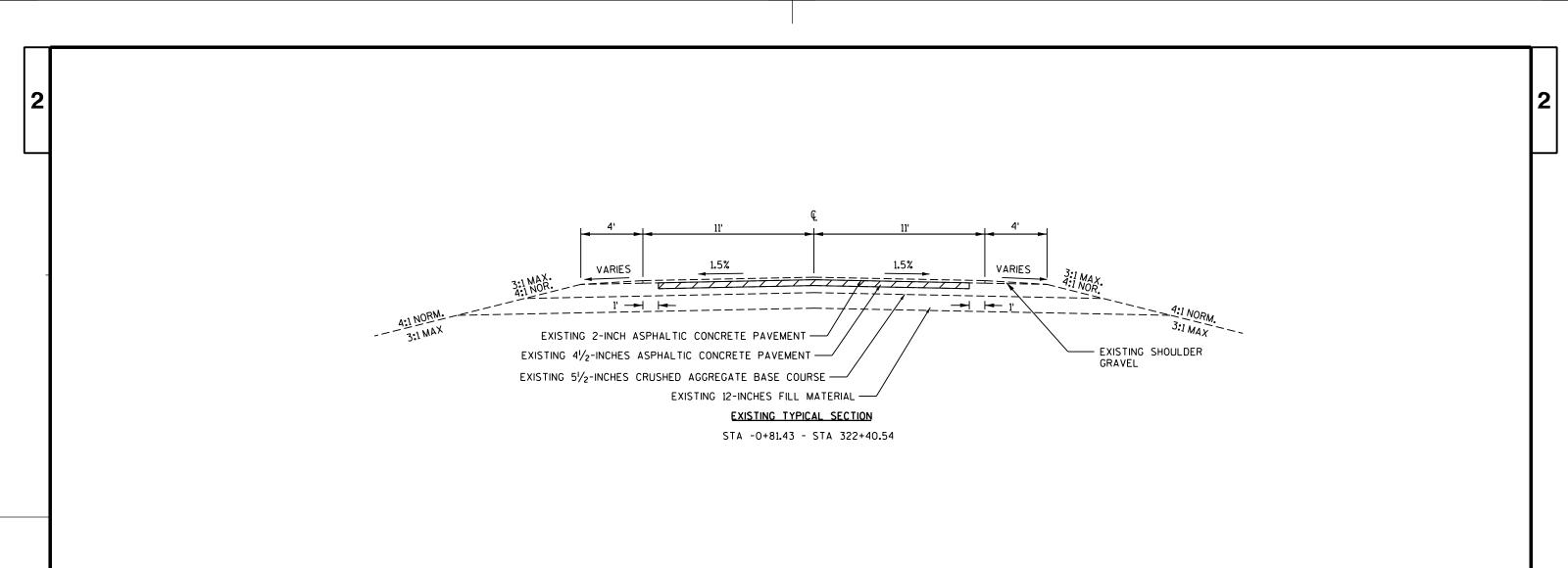
COUNTY: WAUPACA

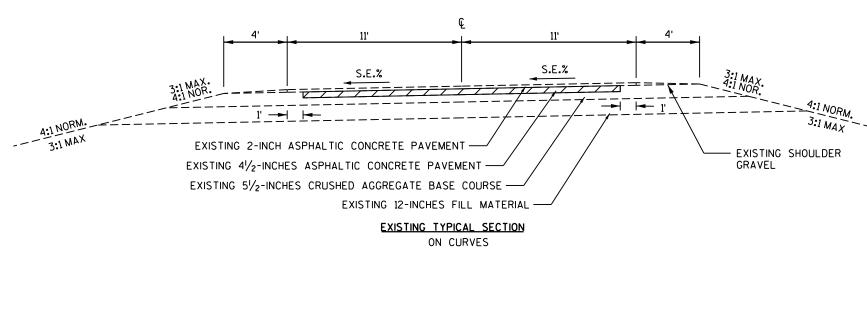
GENERAL NOTES

PLOT BY : bmaxwell

PLOT NAME :

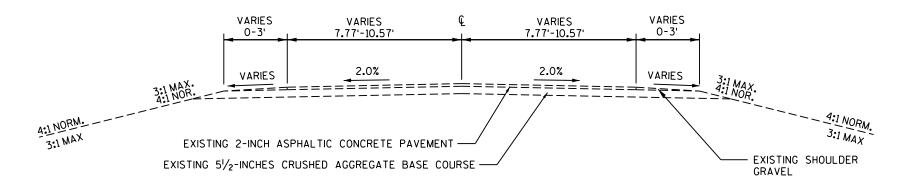






HWY: CTH E COUNTY: WAUPACA SHEET PROJECT NO:6844-00-70/71 TYPICAL SECTIONS PLOT NAME : FILE NAME : P:\11500s\11520s\11522\11522005\CADD\SheetsPlan\Details\020301_ts.dgn PLOT DATE : 7/15/2014 PLOT BY : blee PLOT SCALE : 1:6.04981

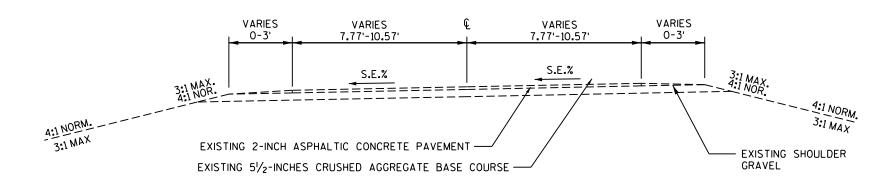




EXISTING TYPICAL SECTION

TWIN LAKE ROAD
HOBSON ROAD
CRYSTAL LAKE ROAD
BAGS HILL ROAD
SOUTHWOOD DRIVE
PINE COURT
EVERGREEN DRIVE
ASH ROAD

AKRON AVE.
CTH EE
SPENCER LAKE ROAD
LINDEE LANE
MARION LANE
NELSEN ROAD
CRYSTAL ROAD
LIND CENTER ROAD



EXISTING SUPERELEVATED TYPICAL SECTION

TWIN LAKE ROAD CRYSTAL LAKE ROAD SOUTHWOOD DRIVE

PROJECT NO:6844-00-70/71

HWY: CTH E

COUNTY: WAUPACA

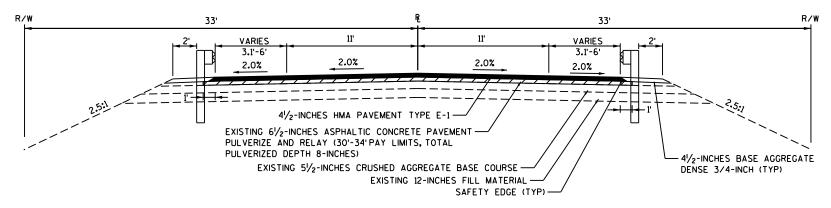
TYPICAL SECTIONS

PLOT NAME :

PLOT SCALE: 1:6.04981

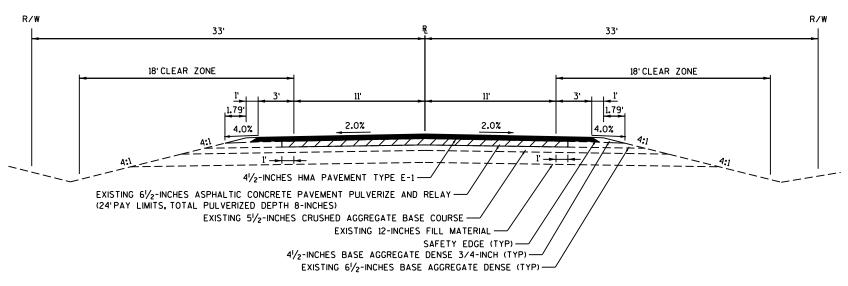
SHEET E
wisdot/cadds sheet 42





FINISHED TYPICAL SECTION WITH BEAM GUARD

STA 16+37.79 - STA 17+05.01 LT STA 17+12.09 - STA 18+25.03 LT STA 115+13.67 - STA 116+40 LT STA 116+57.73 - STA 117+84.07 LT STA 15+91.16 - STA 17+06.59 RT STA 17+13.80 - STA 18+29.08 RT STA 115+72.87 - STA 116+40.13 RT STA 116+58.25 - STA 117+84.63 RT



FINISHED TYPICAL SECTION

STA 144+65.84 - STA 147+77.09 STA 234+61.25 - STA 263+92.13 STA 157+94.30 - STA 158+24.18 STA 242+64.87 - STA 274+32.42 STA 173+18.68 - STA 184+39.85 STA 282+16.28 - STA 301+74.19 STA 194+19.97 - STA 221+85.72 STA 307+95.92 - STA 311+64.57 STA 227+52.56 - STA 228+94.55 STA 320+25.68 - STA 322+40.54 STA 5+05.07 - STA 14+80.41 STA 20+32.97 - STA 21+55.57 STA 26+66.51 - STA 29+73.97 STA 35+22.65 - STA 42+99.85 - STA 51+32.31 STA 42+99.85 - STA 51+32.31 STA 10+10-02.5 - STA 19+61.30 STA 127+14.08 - STA 131+24.98

PROJECT NO:6844-00-71

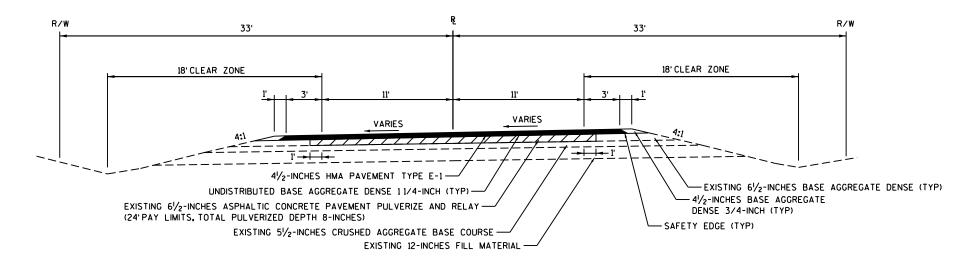
HWY: CTH E

COUNTY: WAUPACA

TYPICAL SECTIONS

PLOT BY : blee

PLOT NAME :



FINISHED SUPERELEVATED TYPICAL SECTION

STA 14+80.41 - STA 20+32.97 STA 21+55.57 - STA 26+66.51 STA 29+73.97 - STA 35+22.65 STA 51+32.31 - STA 53+05.10 STA 91+61.20 - STA 96+96.76 STA 104+71.31 - STA 110+09.25 STA 119+61.30 - STA 127+14.08

STA 147+77.09 - STA 155+40.96 STA 166+25.41 - STA 173+18.68 STA 184+39.85 - STA 188+53.02 STA 301+74.19 - STA 307+95.92 STA 311+64.57 - STA 311+81.06 STA 317+38.57 - STA 320+25.68

PROJECT NO:6844-00-71

HWY: CTH E

COUNTY: WAUPACA

TYPICAL SECTIONS

PLOT BY : blee

PLOT SCALE: 1:8.0523

SHEET

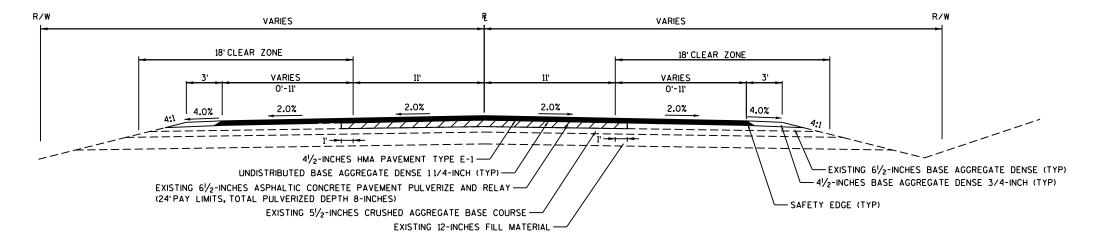
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PLOT DATE : 7/15/2014

PLOT NAME :

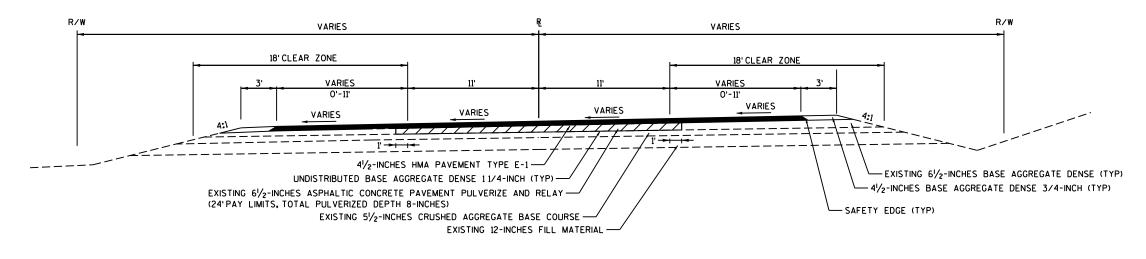
Ε





FINISHED TYPICAL SECTION WITH WIDENING

STA 2+40.91 - STA 5+05.07
STA 40+43.23 - STA 42+99.85
STA 56+96.12 - STA 58+82.11
STA 63+34.18 - STA 69+10.05
STA 131+24.98 - STA 134+51.12
STA 140+25.51 - STA 144+65.84
STA 236+92.13 - STA 242+64.87
STA 274+32.42 - STA 282+16.28



FINISHED SUPERELEVATED TYPICAL SECTION WITH WIDENING

STA -0+81.43 - STA 2+40.91 STA 53+05.10 - STA 56+96.12 STA 133+51.12 - STA 140+25.51 STA 155+40.96 - STA 155+48.31 STA 166+25.41 - STA 166+73.46 STA 192+56.77 - STA 194+19.97 STA 311+81.06 - STA 317+38.57

 COUNTY: WAUPACA

PLOT DATE: 7/15/2014

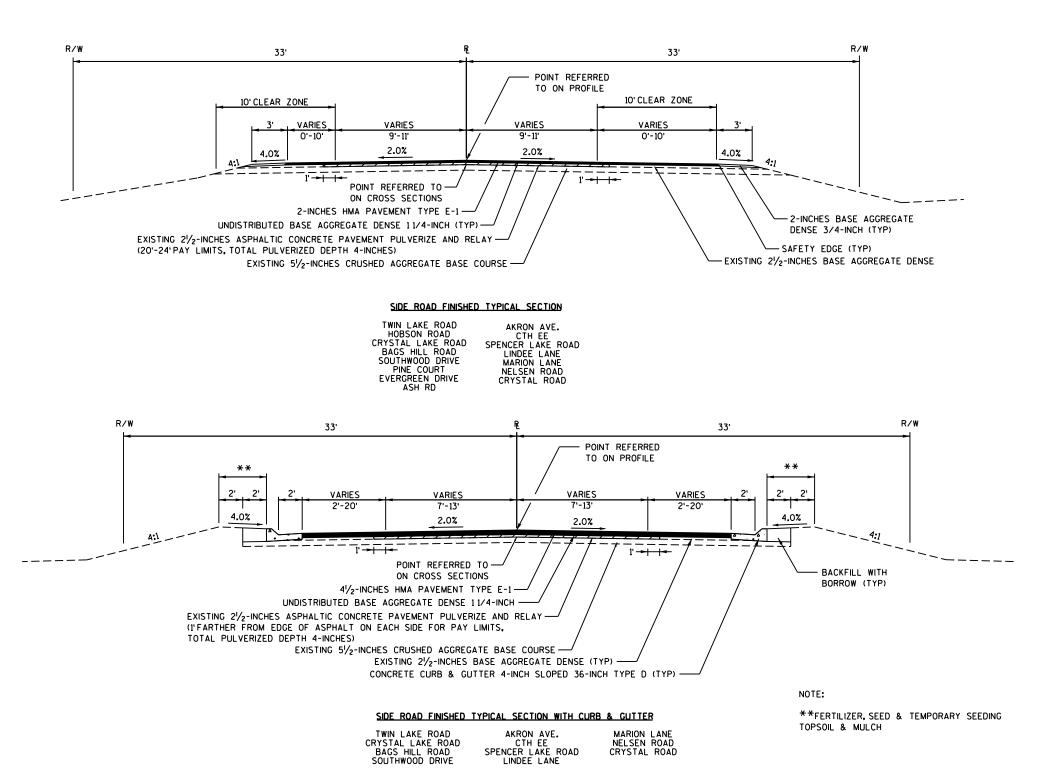
TYPICAL SECTIONS

PLOT BY: blee

PLOT NAME: PLOT SCA

WISDOT/CADDS SHEET 42





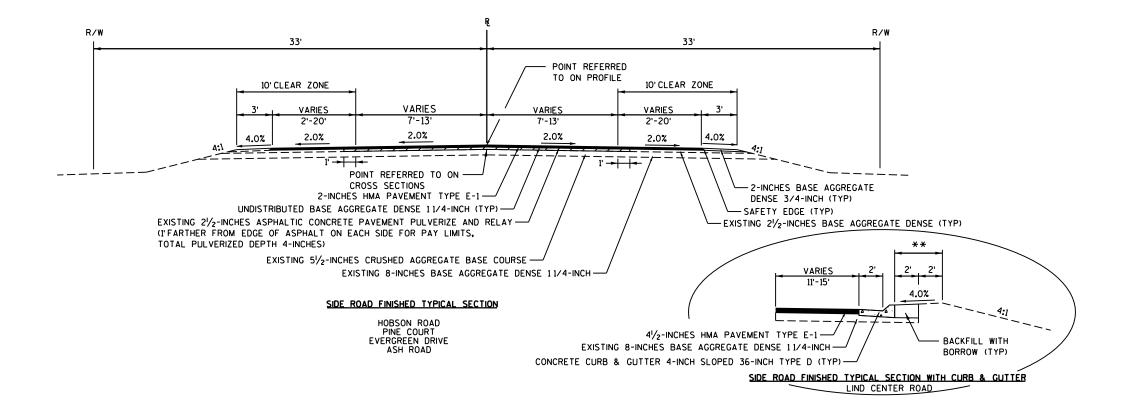
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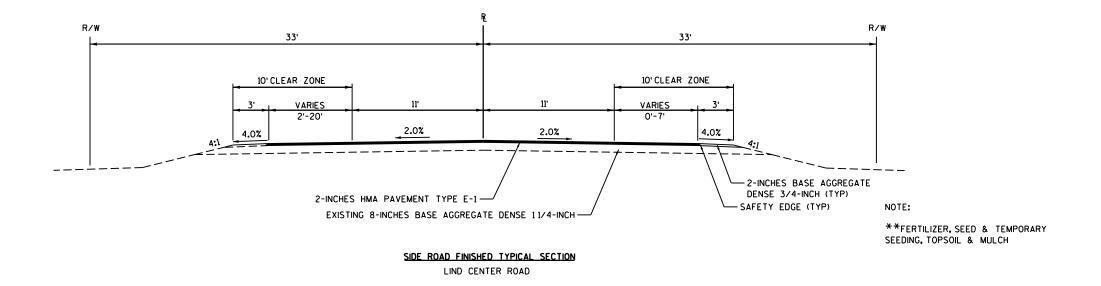
TYPICAL SECTIONS PLOT BY : blee

PLOT NAME:

WISDOT/CADDS SHEET 42







FILE NAME: P:\11500s\11520s\11522\11522005\CADD\SheetsPlan\Details\020307_ts.dgn

HWY: CTH E

PLOT DATE : 7/15/2014

COUNTY: WAUPACA

PLOT NAME :

TYPICAL SECTIONS

PLOT BY : blee

PLOT SCALE: 1:8.0523

WISDOT/CADDS SHEET 42

SHEET

PROJECT NO:6844-00-71

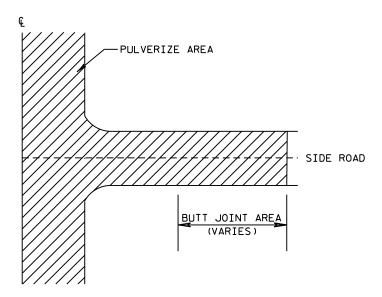


* REMOVE EXISTING BASE AS NECESSARY TO ACHIEVE PLACEMENT OF 2" HMA BUTT JOINT

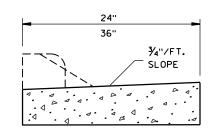
BUTT JOINT DETAIL

SIDEROADS

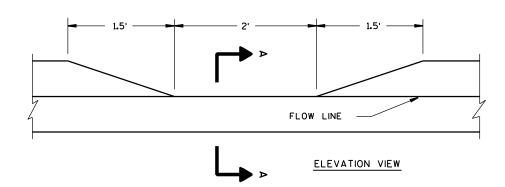
REQUIRED AT BEGIN AND END PAVING LOCATIONS



NOT TO SCALE



SECTION A-A



DETAIL OF CURB HEAD DEPRESSION FOR DRAINAGE AT CURB & GUTTER SECTION

(AT LOW POINTS, WITH ASPHALTIC FLUMES)

RUNOFF COEFFICIENT TABLE

| | HYDROLOGIC SOIL GROUP | | | | | | | | | | | |
|-------------------------|-----------------------|------------|------------|-----------------------|------------|-----------------------|------------|------------|----------------------|------------|------------|------------|
| | Α | | В | | С | | 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 | .16 .30 | .22 .38 | .12 | .20 .34 | .27 .44 | .15 | .24 .37 | .33 .50 | .19 | .28 .41 | .38 .56 |
| MEDIAN STRIP- TURF | .19 | .20 .26 | .24 | .19 .25 | .22 | .26 .33 | .20 .26 | .23 | .30 .37 | .20 .27 | .25 .32 | .30 |
| SIDE SLOPE- TURF | | | .25 .32 | | | .27 .34 | | | .28 .36 | | | .30 .38 |
| PAVEMENT: | | | | | | | | | | | | |
| ASPHALT | | | | | | .7095 | | | | | | |
| CONCRETE | | | | | | .8095 | | | | | | |
| BRICK | | | | | | .7080 | | | | | | |
| DRIVES, WALKS | | | | | | .7585 | | | | | | |
| ROOFS | .7595 | | | | | | | | | | | |
| GRAVEL ROADS, SHOULDERS | | | | | | .4060 | | | | | | |

TOTAL PROJECT AREA = 50.4 ACRES

TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 50.4 ACRES

PROJECT NO:6844-00-70/71 HWY: CTH E FILE NAME: P:\11500s\11520s\11522\11522005\CADD\SheetsPlan\Details\021001_cd.dgn COUNTY: WAUPACA

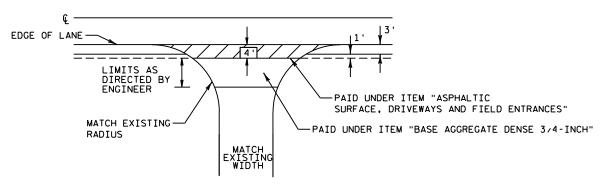
CONSTRUCTION DETAILS

PLOT SCALE: 1:75

PLOT DATE : 7/15/2014

PLOT NAME : PLOT BY : blee





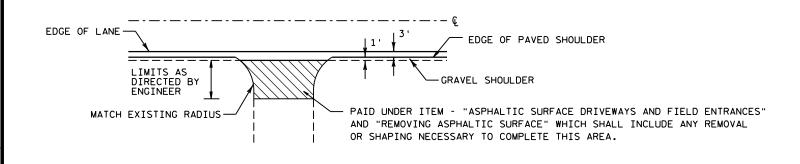
TYPICAL BASE AGGREGATE DRIVEWAY DETAIL (RURAL)

41/2" HMA PAVEMENT PULVERIZE 61/2" BASE AGGREGATE DENSE EXISTING BASE AGGREGATE EXISTING BASE AGGREGATE DENSE DRIVEWAY PULVERIZE AND RELAY MATERIAL

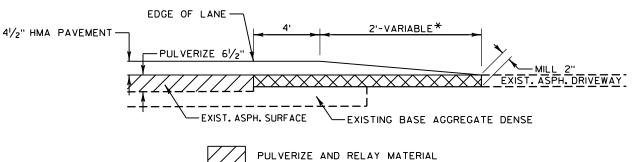
BASE AGGREGATE DRIVEWAY DETAIL

*EXACT DIMENSIONS TO BE DETERMINED BY ENGINEER IN THE FIELD

RURAL DRIVEWAY DETAIL - ASPHALT



ANY ADDITIONAL BASE AGG. DENSE REO'D. SHALL BE PAID UNDER ITEM - "BASE AGGREGATE DENSE 3/4-INCH"

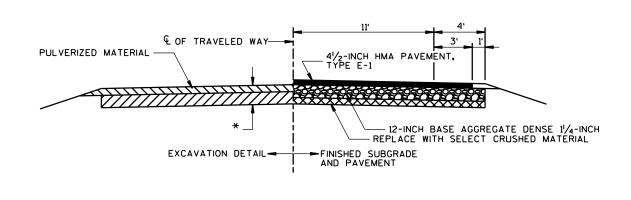


PULVERIZE AND RELAY MATER

ASPHALTIC SURFACE REMOVAL

ASPHALTIC DRIVEWAY DETAIL

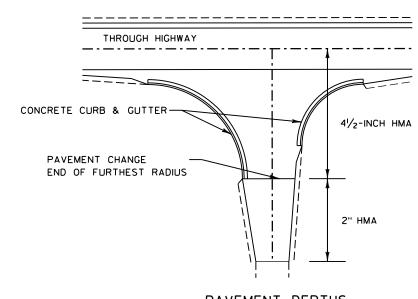
*EXACT DIMENSIONS TO BE DETERMINED BY ENGINEER IN THE FIELD



HWY: CTH E

DETAIL FOR EXCAVATION BELOW SUBGRADE (EBS)

*=EBS, THICKNESS, LOCATION, & DEPTH VARIES AS DESIGNATED BY THE ENGINEER, QUANTITIES ASSUMED AVERAGE THICKNESS OF 18".



PAVEMENT DEPTHS AT RURAL INTERSECTIONS

* FOR INTERSECTIONS WITHOUT CURB AND GUTTER, THE PAVEMENT CHANGE IS TO THE SAME RADIUS POINT

SHEET

FILE NAME : P:\11500s\11520s\11522\11522005\CADD\SheetsPlan\Details\021002_cd.dgn

COUNTY: WAUPACA

CONSTRUCTION DETAILS

PLOT BY: bmaxwell

PLOT NAME :

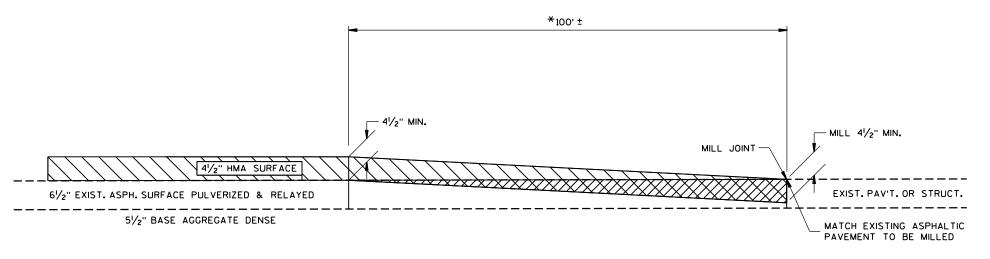
JIILL

WISDOT/CADDS SHEET 42

PROJECT NO:6844-00-70/71

PLOT SCALE : 1:75





ASPHALTIC SURFACE REMOVAL, PULVERIZED

NOTE: ANY SAW CUTS USED IN THIS OPERATION SHALL BE PAID FOR SEPARATELY UNDER SAWING ASPHALT OR SAWING CONCRETE

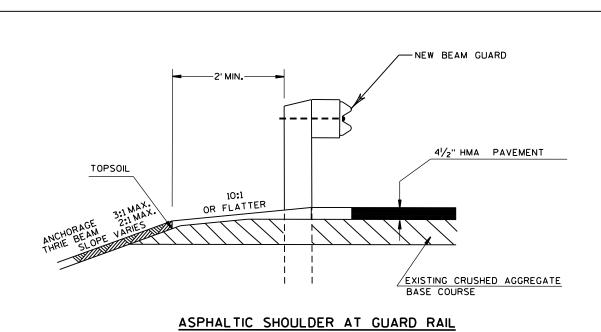
41/2" HMA SURFACE

TYPICAL TRANSITION BUTT JOINT DETAIL

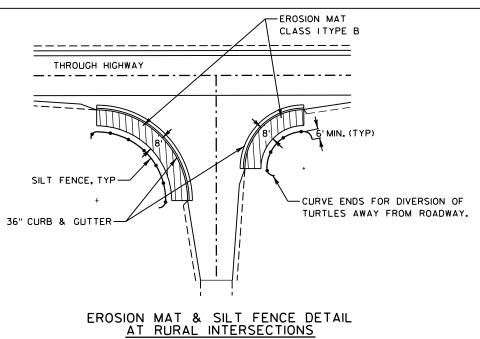
PAID AS: REMOVING ASPHALTIC SURFACE BUTT JOINTS

100' TRANSITIONS

STA -0+81.43 - STA 0+18.57 STA 16+05.81 - STA 17+05.81 STA 17+12.97 - STA 18+12.97 STA 115+40 - STA 116+40 STA 116+58 - STA 117+58 STA 321+40.54 - STA 322+40.54



HWY: CTH E



FILE NAME: P:\11500s\11520s\11522\11522005\CADD\SheetsPlan\Details\021003_cd.dgn

PLOT DATE : 7/15/2014

COUNTY: WAUPACA

CONSTRUCTION DETAILS PLOT BY : blee

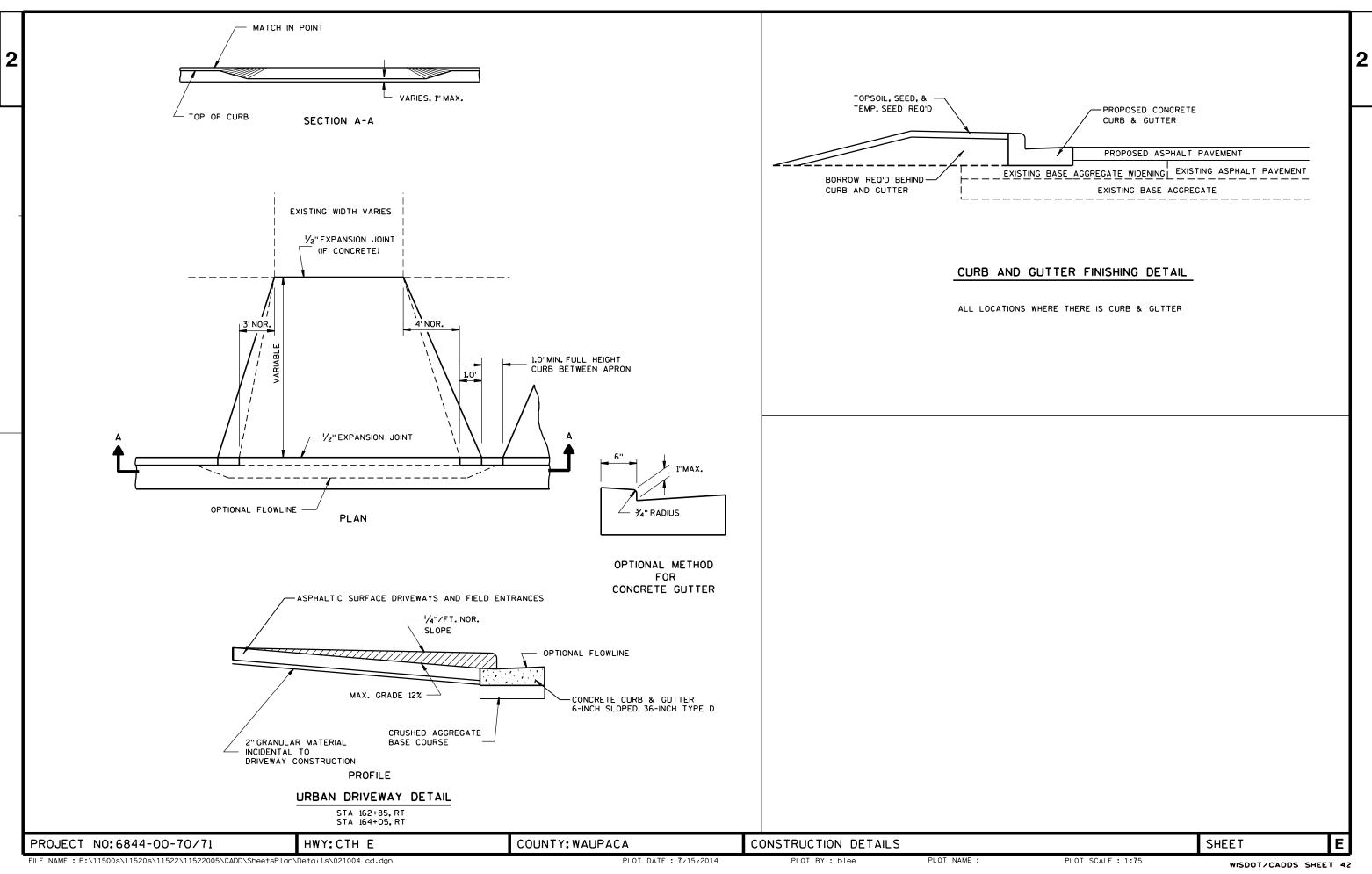
PLOT NAME :

WISDOT/CADDS SHEET 42

SHEET

021003_cd.dgn 7/15/2014 3:09:20 PM blee

PROJECT NO:6844-00-70/71



LEGEND

- (1) W 6 x 25 WITH 2 ¾" x 2½" VERT. SLOTS IN FLG. (SLOT ON OTHER SIDE OF WEB IS OPTIONAL) FOR NO. 7. CUT BOTTOM OF POST TO MATCH CROSS SLOPE OF ROADWAY. PLACE POSTS VERTICAL AND NORMAL TO GRADE LINE.
- \bigcirc C 8 \times 11.5 WITH 13 % " DIA. HOLES FOR NO. 8.
- 3 BASE PLATE 1" X 91/2" X 10" WITH 11/16" X 11/2" SLOTTED HOLES FOR ANCHOR BOLTS NO. 4. WELD TO NO. 1 AS
- (4) A325 1/8" HEX BOLTS (GALVANIZED) WITH A325 NUT AND WASHER. USE 14" LONG AT ALL POSTS. 4 REO'D. PER POST. THREAD 3" AND PLACE NORMAL TO PLATE NO. 3. CHAMFER TOP OF BOLTS BEFORE THREADING.
- 5 1/4" × 8" × 8" FLAT BAR, WITH 15/6 " DIA. HOLES FOR ANCHOR BOLTS NO. 4.
- 6) 13/4" × 3" MOUNTING BOLT WASHER (GALVANIZED.)
- $\ensuremath{\mathfrak{T}}$ %" DIA. BUTTON HEAD POST MOUNTING BOLT WITH ROUND WASHER AND NUT.
- (8) %" DIA. x 2" HEX BOLTS WITH NUT AND TWO WASHERS EACH.
- 9 PLATE 1/2" x 5 1/4" x 6" AT BASIC POST CONNECTION. 11/4" DIA. HOLES IN PLATE. 13/6 " DIA. HOLES IN CHANNEL.
- (I) PLATE 1_2 " x $5\frac{7}{4}$ " x $1^2-2\frac{1}{2}$ ". $1^1/4$ " DIA. HOLES IN PLATE. $1\frac{7}{6}$ " DIA. HOLES IN CHANNEL. EXPANSION SLOTS ON JOINT SIDE OF POST, $1\frac{1}{6}$ " x $2^1/4$ " IN PLATE, $1\frac{1}{6}$ x $2^1/4$ " IN CHANNEL. (AT EXPANSION SPLICE.)
- (1) PLATE $\frac{1}{2}$ " × 5 $\frac{3}{4}$ " × 11 $\frac{1}{2}$ ". 1 $\frac{1}{4}$ " DIA. HOLES IN PLATE, $\frac{1}{16}$ " DIA. HOLES IN CHANNEL. (AT TYPICAL SPLICE.)

GENERAL NOTES

SPV BID ITEMS SHALL BE "RAILING STEEL TYPE W STA. 17+09" AND "RAILING STEEL TYPE W STA. 116+49". WHICH INCLUDES ALL ITEMS SHOWN. INCLUDING CURB REPAIR.

POST BASE PLATES SHALL BE FLAT WITH ALL SURFACES SMOOTH AND FREE FROM WARP AND ALL EDGES SMOOTH, STRAIGHT AND VERTICAL. ALL PLATE CUTS SHALL BE MACHINE OR MACHINE FLAME CUTS.

ALL MATERIAL EXCEPT ANCHORAGE DETAIL (NO. 5) SHALL BE GALVANIZED AFTER FABRICATION.

PRIOR TO GALVANIZING, ALL STEEL RAILING POSTS AND CHANNELS SHALL BE GIVEN A NO. 6 COMMERCIAL BLAST CLEANING BY S.S.P.C. SPECS.

ALL MATERIAL USED IN FABRICATION SHALL BE MADE FROM MATERIALS CONFORMING TO A.S.T.M. DESIGNATION A709 GRADE 36 UNLESS NOTED

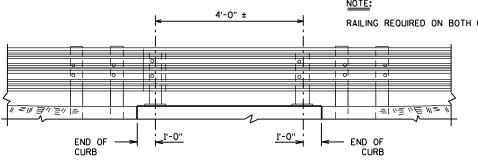
FILL BOLT SLOT OPENINGS IN POST SHIMS & PLATE NO. 3 WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER.

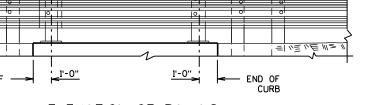
SEE STANDARD SPECIFICATIONS FOR RAIL TYPE.

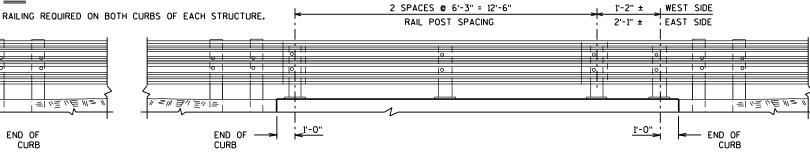
CHANNEL MEMBER NO.2 SHALL BE ATTACHED CONTINUOUSLY OVER THE STRUCTURE TO THE RAIL POSTS NO.1.

AT EXPANSION SLOTS IN RAIL AND CHANNEL MEMBERS, TIGHTEN BOLTS, BACK OFF ONE HALF TURN AND BURR THREADS. RAIL MEMBERS SHALL BE LAPPED IN THE DIRECTION OF TRAFFIC AND THE UPPER RAIL SHALL LAP THE LOWER RAIL.

STEEL POST SHIMS MAY BE USED UNDER POSTS WHERE REO'D. FOR ALIGNMENT.







ELEVATION OF RAILING

BOX CULVERT @ STA. 116+49

ELEVATION OF RAILING

BOX CULVERT @ STA. 17+09

SEE STANDARD SPECIFICATIONS

₩ B

-TRAFFIC FACE

TOP OF ROAD

FOR RAIL TYPE.

1'-3"

1

21/4"

Ф!

6%"

31/4"

SECTION B-B

6"

SECTION THRU RAILING

(i) (ii)

71/4

B **1**

EDGE OF

CURB:

THIS FACE TO-

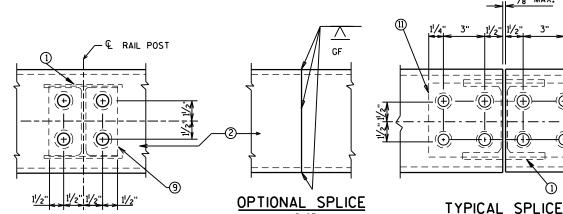
SEE CURB REPAIR

DETAIL FOR BAR

STEEL AND TYPE

L BARS

BE VERTICAL



BASIC POST CONNECTION

CHANNEL MEMBER DETAILS

REMOVE EXISTING CURB AS— SHOWN. RETAIN EXISTING

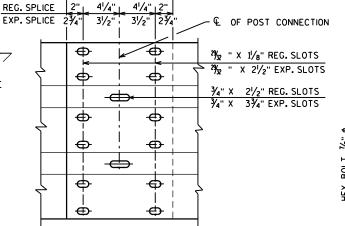
BARSTEEL AND PLACE

REINFORCEMENT. REPLACE

CURB TO ORIGINAL HEIGHT

ADDITIONAL BARSTEEI

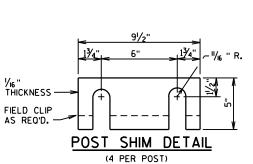
(SHIM PLATES 6" X 1/16" X 6" MAY BE USED BETWEEN TOP OF POST AND CHANNEL MEMBER TO ACHIEVE VERT. ALIGNMENT.)



DIRECTION OF TRAFFIC RAIL MEMBER SPLICE

1'-01/2"

 $\ensuremath{{^{5}\!\!\!/}}\ensuremath{^{"}}$ DIA. BUTTON HEAD OVAL SHOULDER BOLTS WITH HEX NUTS AT ALL SLOTS.



TACK WELD @ 1/3 POINTS 3" 5" DIA. HOLE ANCHORAGE DETAIL

#6 BARS @ 9" SPACING CONCRETÉ

#4 BARS, FULL LENGTH OF CURB REMOVE 1/4" SURFACE . *6 TYPE L BARS @ 9" SPACING SEE SPECIFICATIONS FOR PULLOUT, IMBEDMENT AND

5%"

EDGE SPACING REQUIREMENTS OF #6 TYPE L BARS.

CURB REPAIR DETAIL

SHEET

1'-5"

-| <mark>- 1/8" M</mark>AX.

FILE NAME: P:\11500s\11520s\11522\11522005\CADD\SheetsPlan\Details\det_5.dgn

HWY: CTH E

5"

PLOT DATE: 7/15/2014

COUNTY: WAUPACA

PLOT NAME :

PLOT SCALE: 1:24

WISDOT/CADDS SHEET 42

TOP OF ROAD

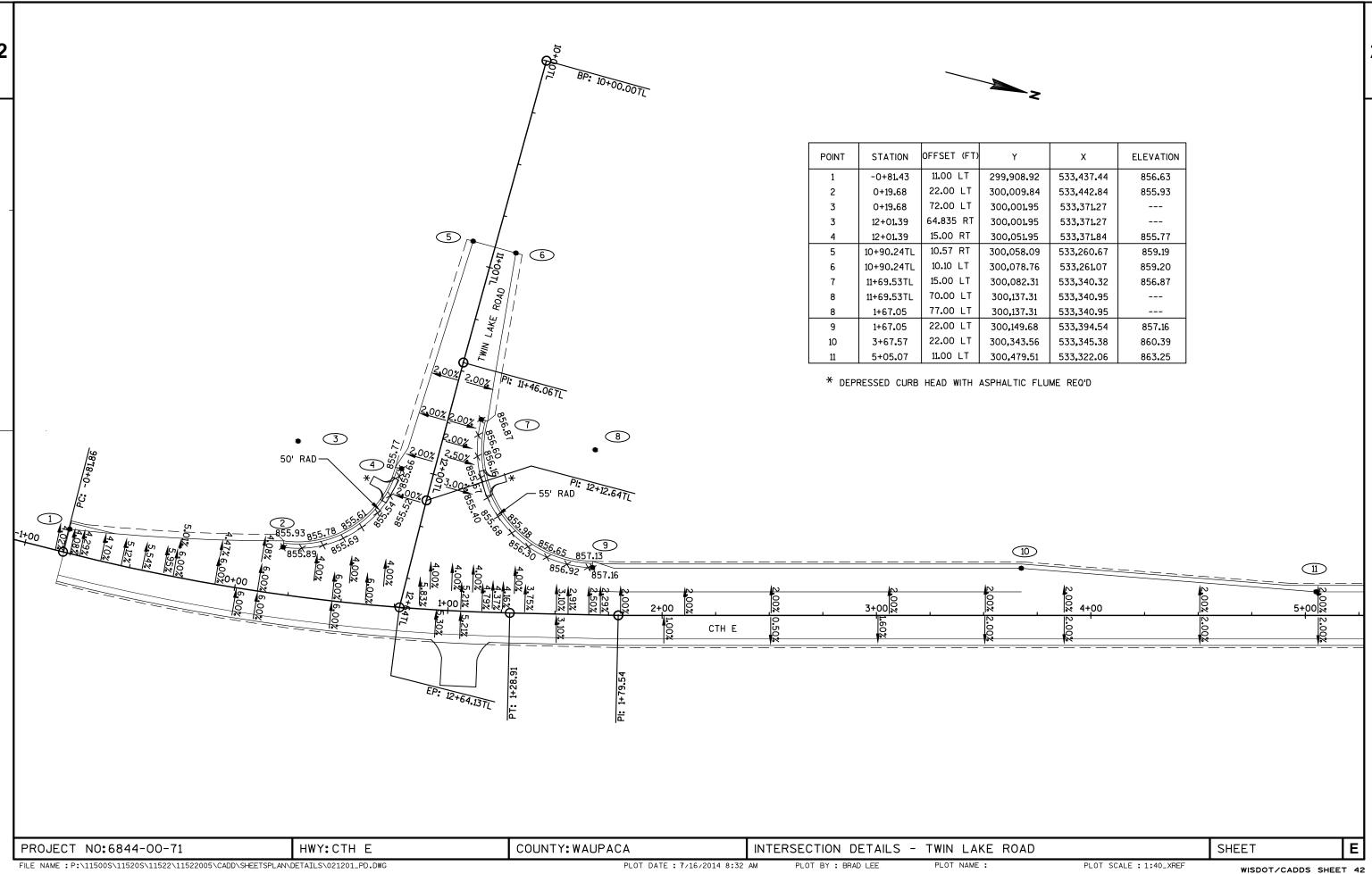
6 BARS, FULL

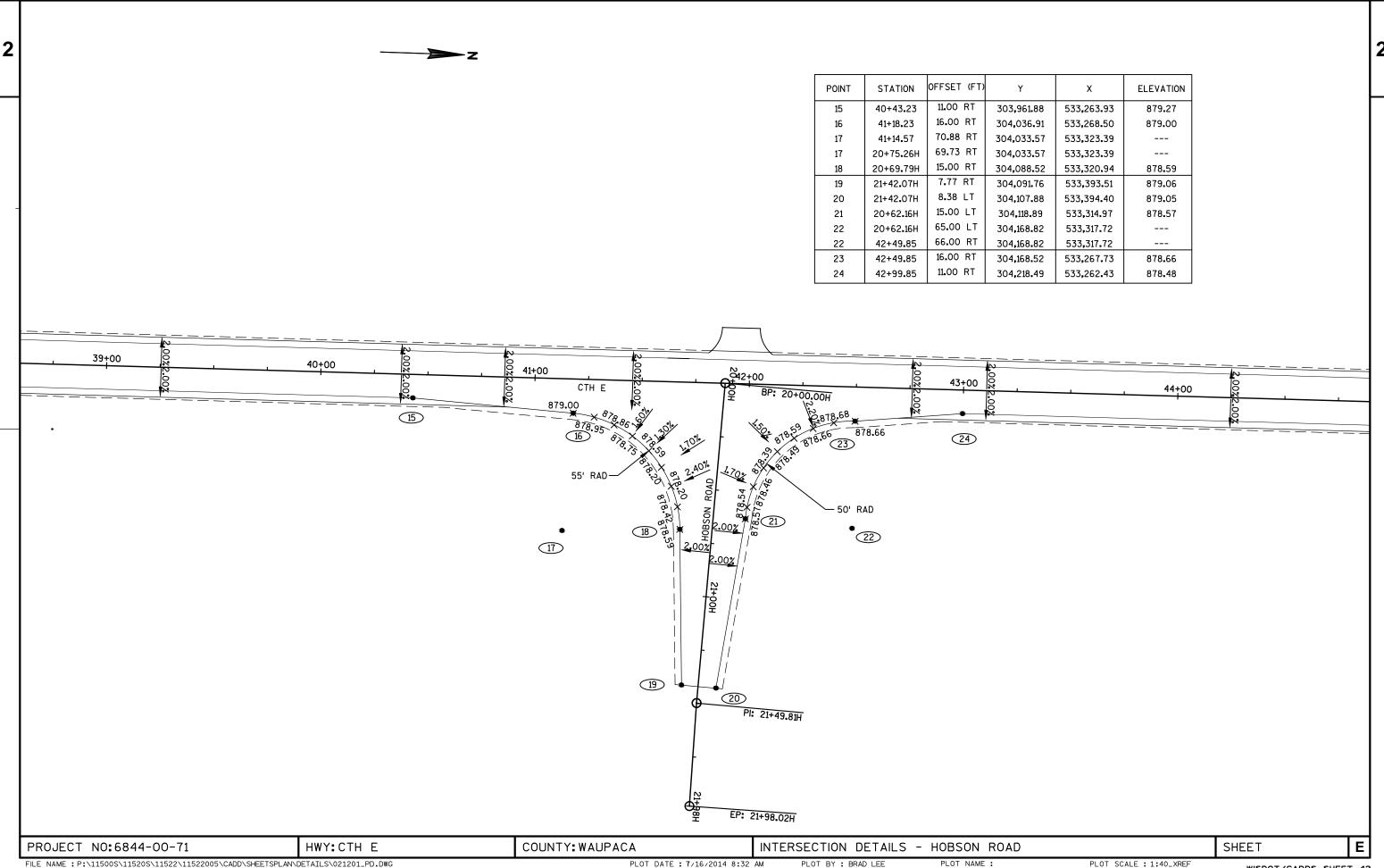
TRAFFIC FACE

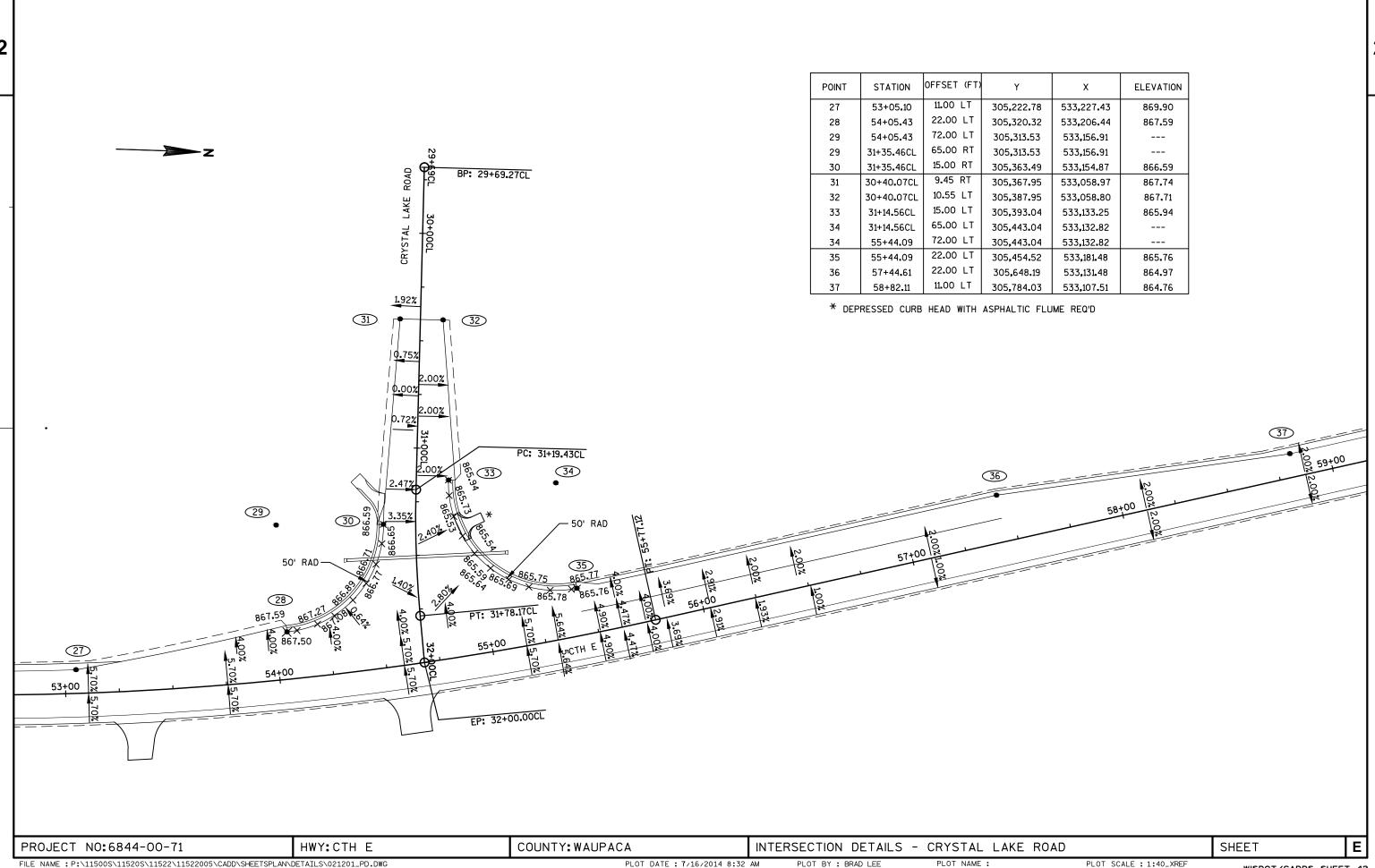
LENGTH OF CURB 5 €

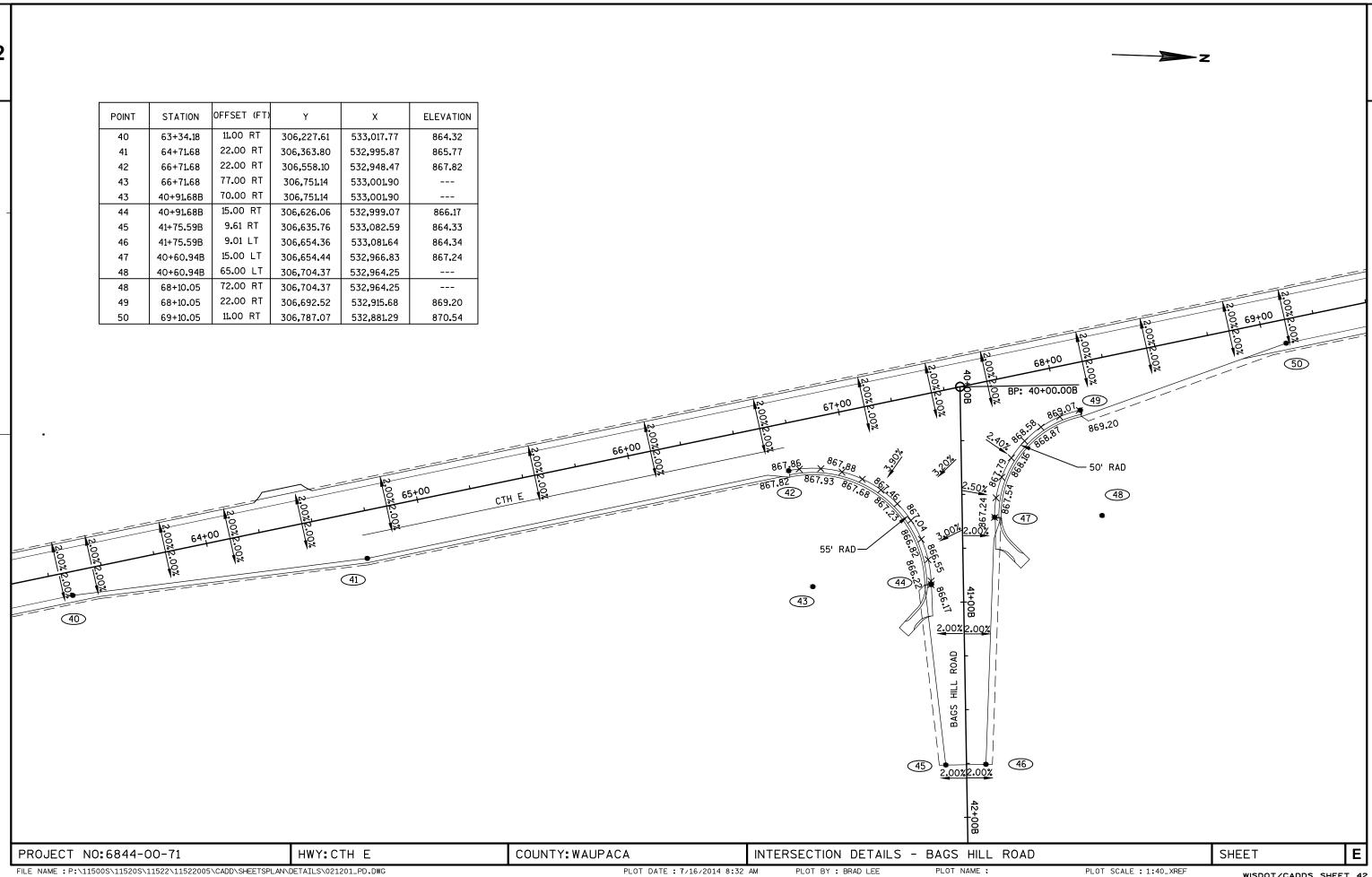
PROJECT NO:6844-00-71

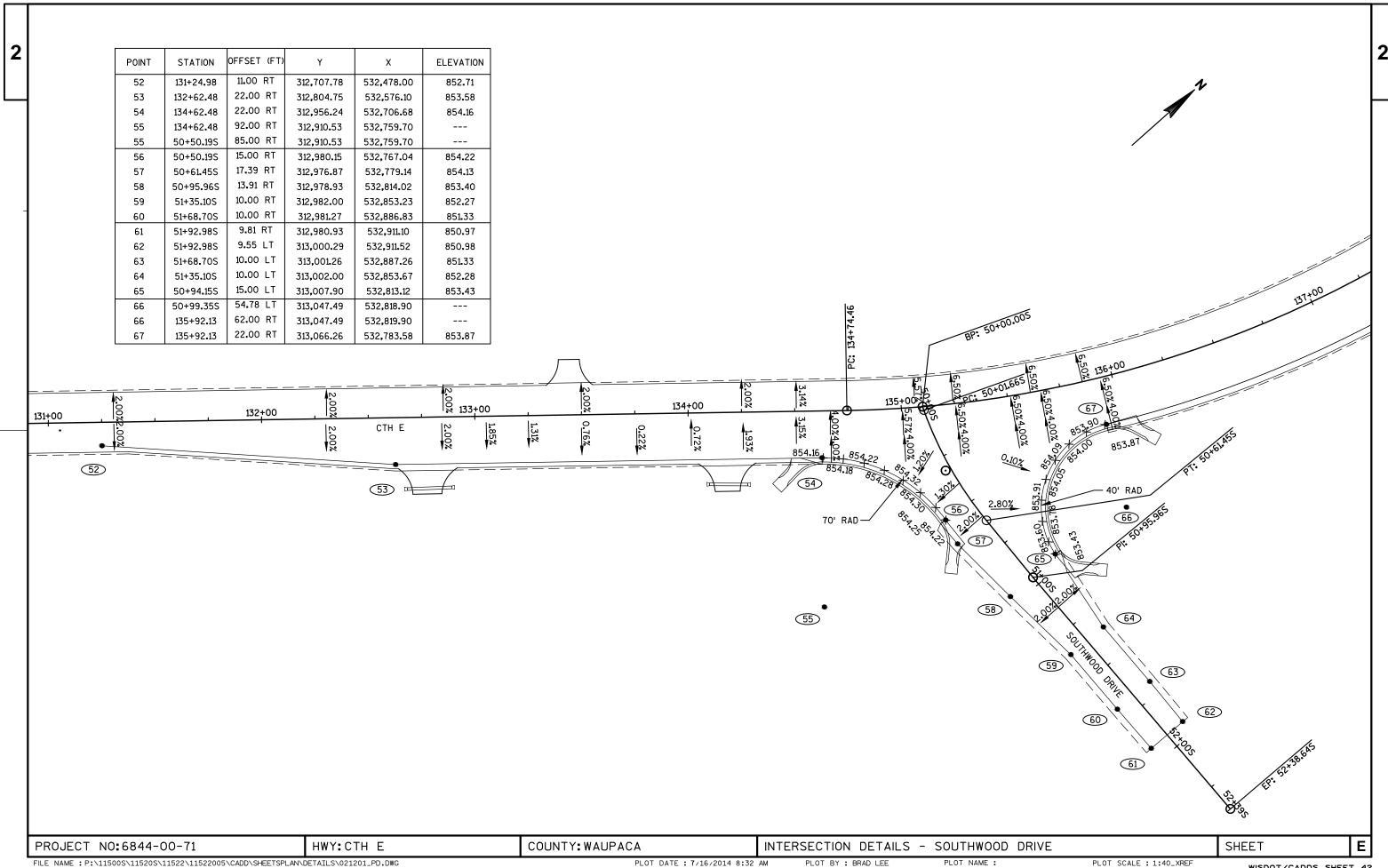
STEEL RAILING TYPE "W"

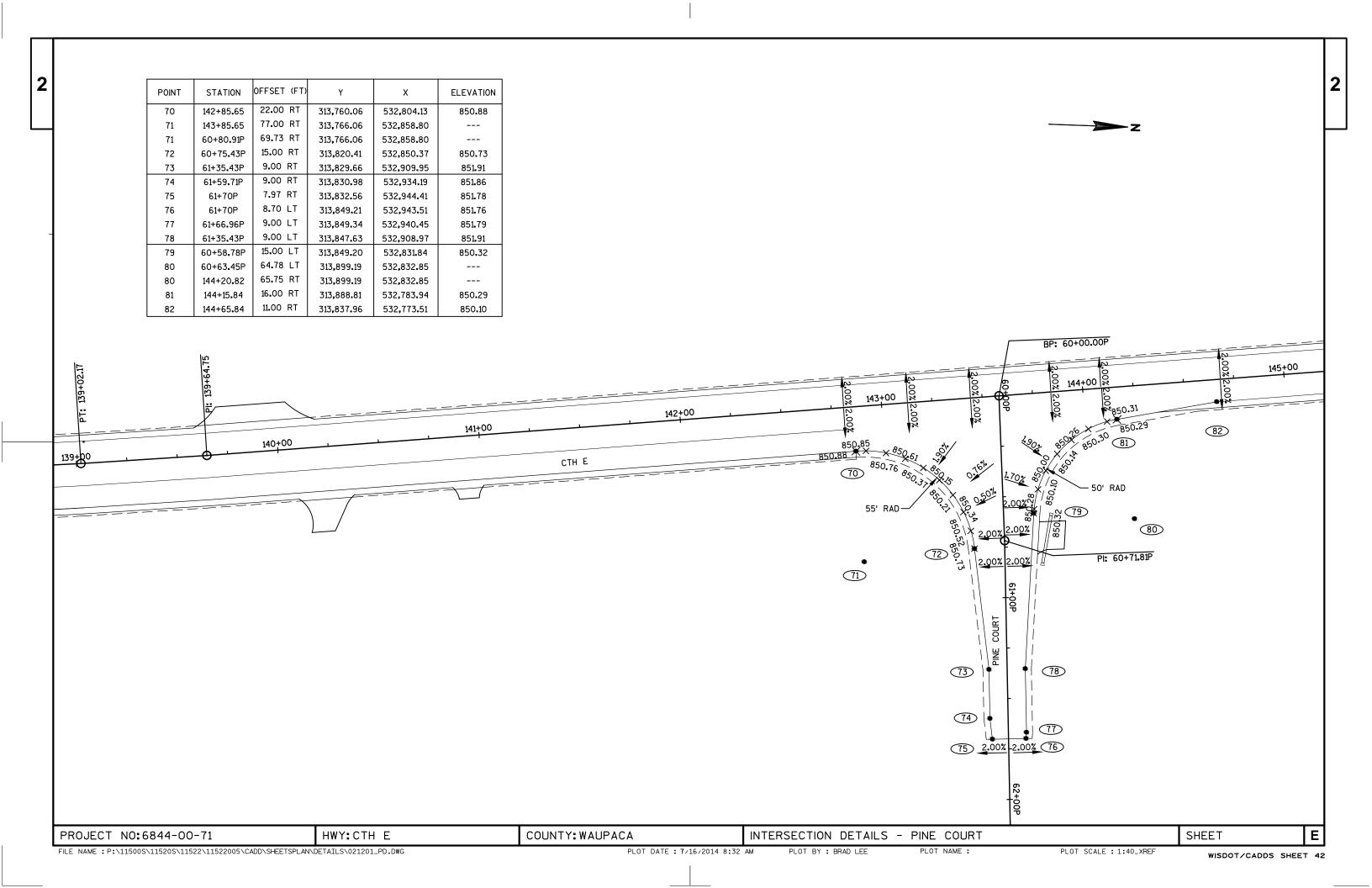


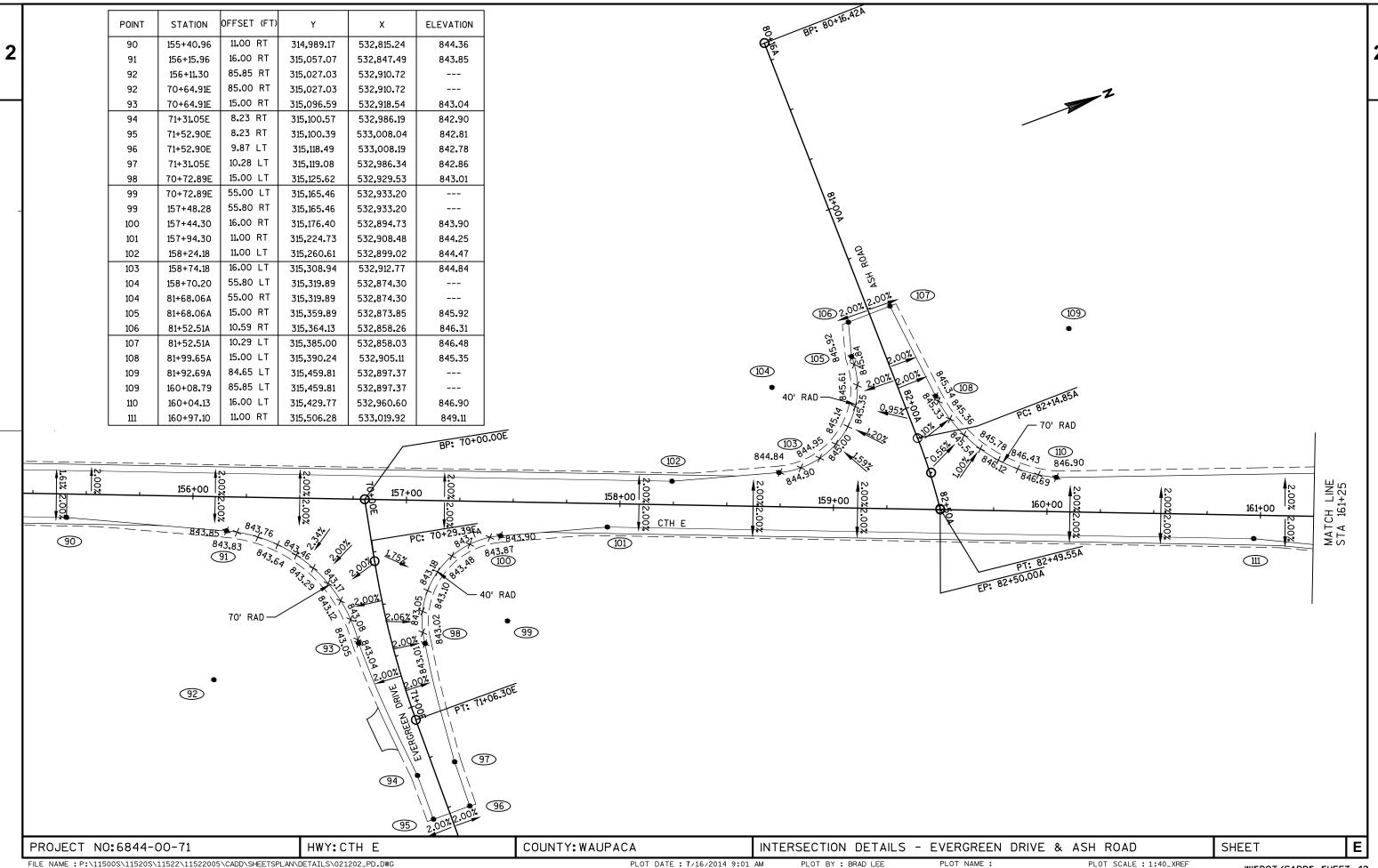


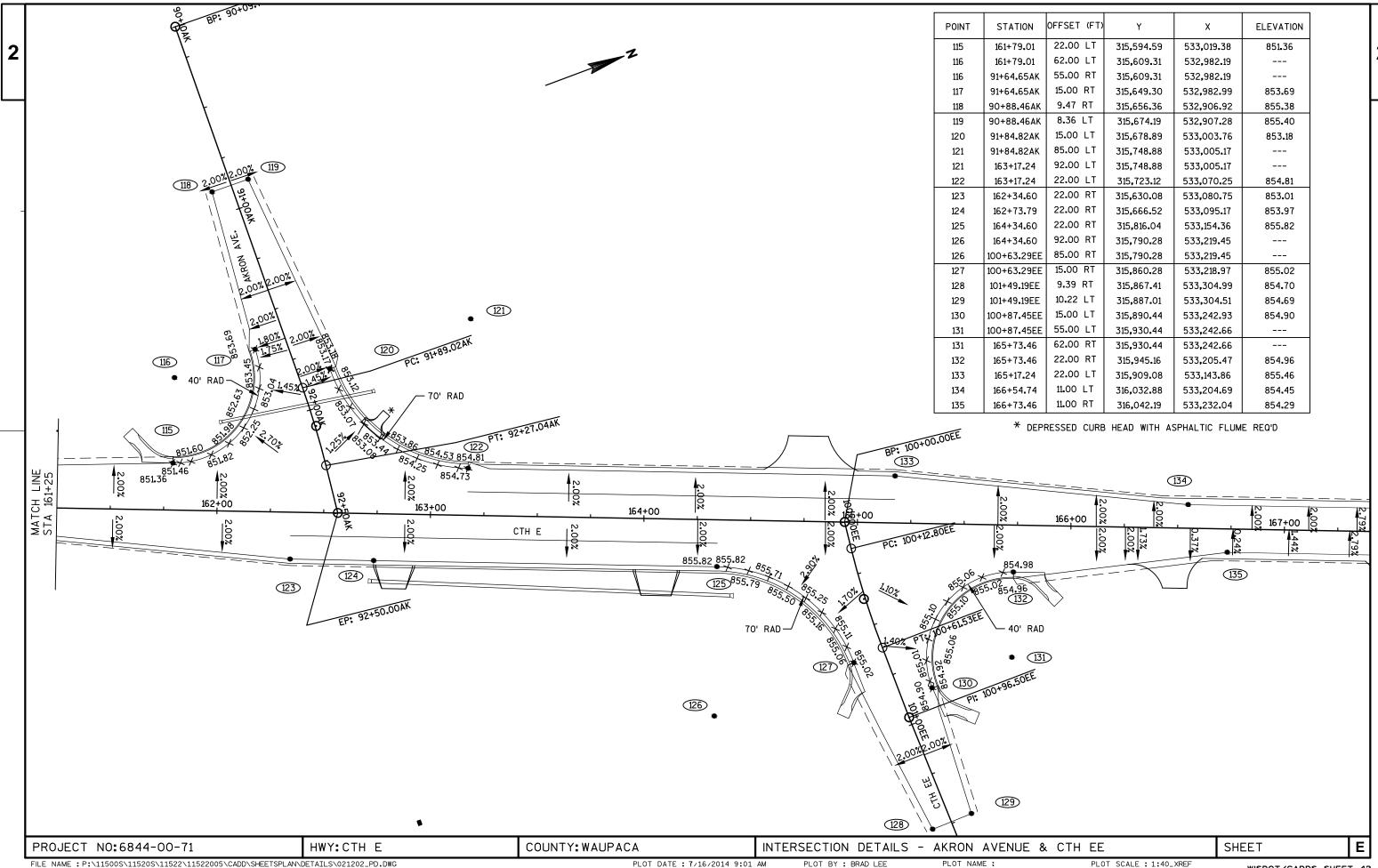


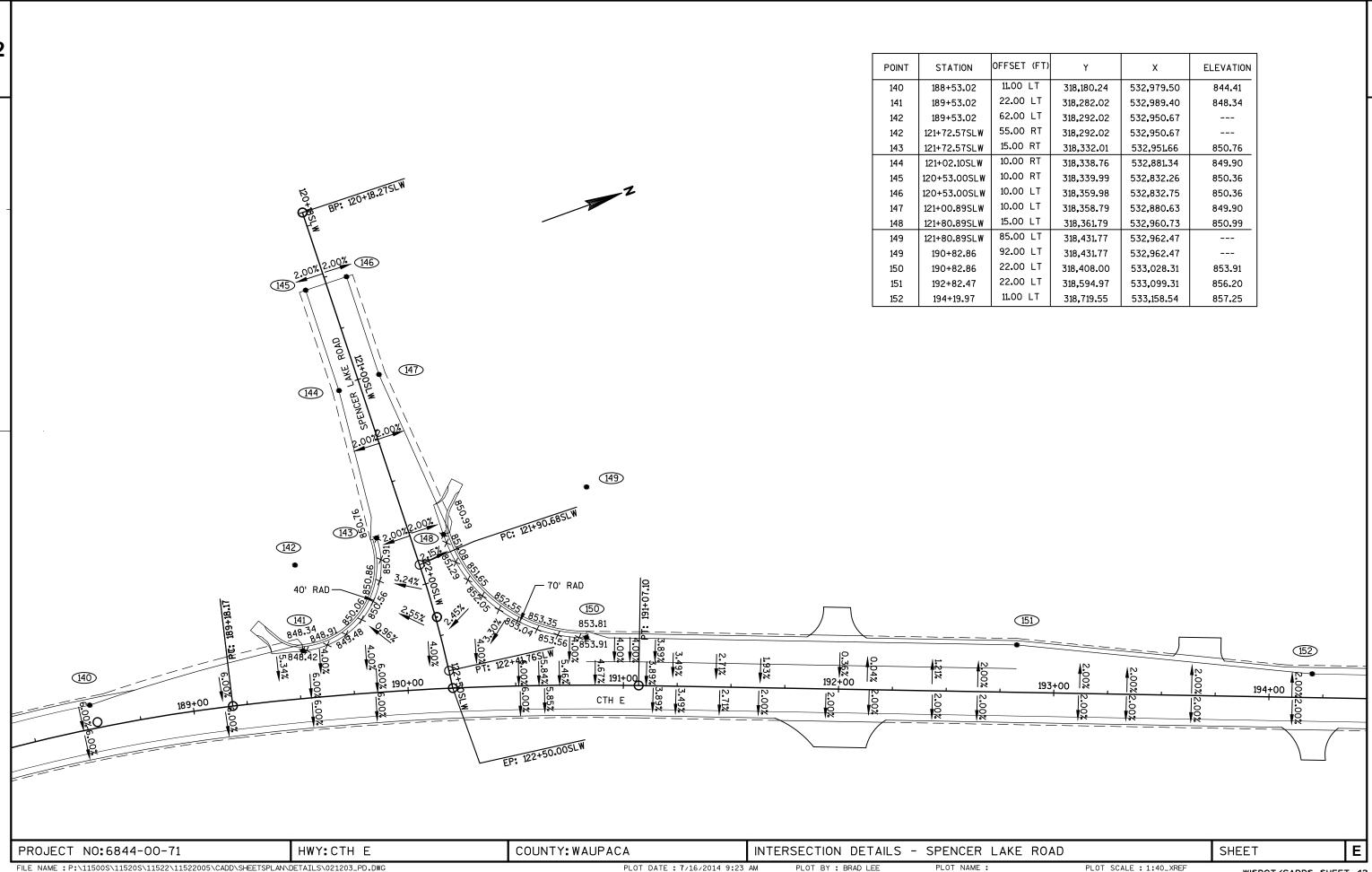


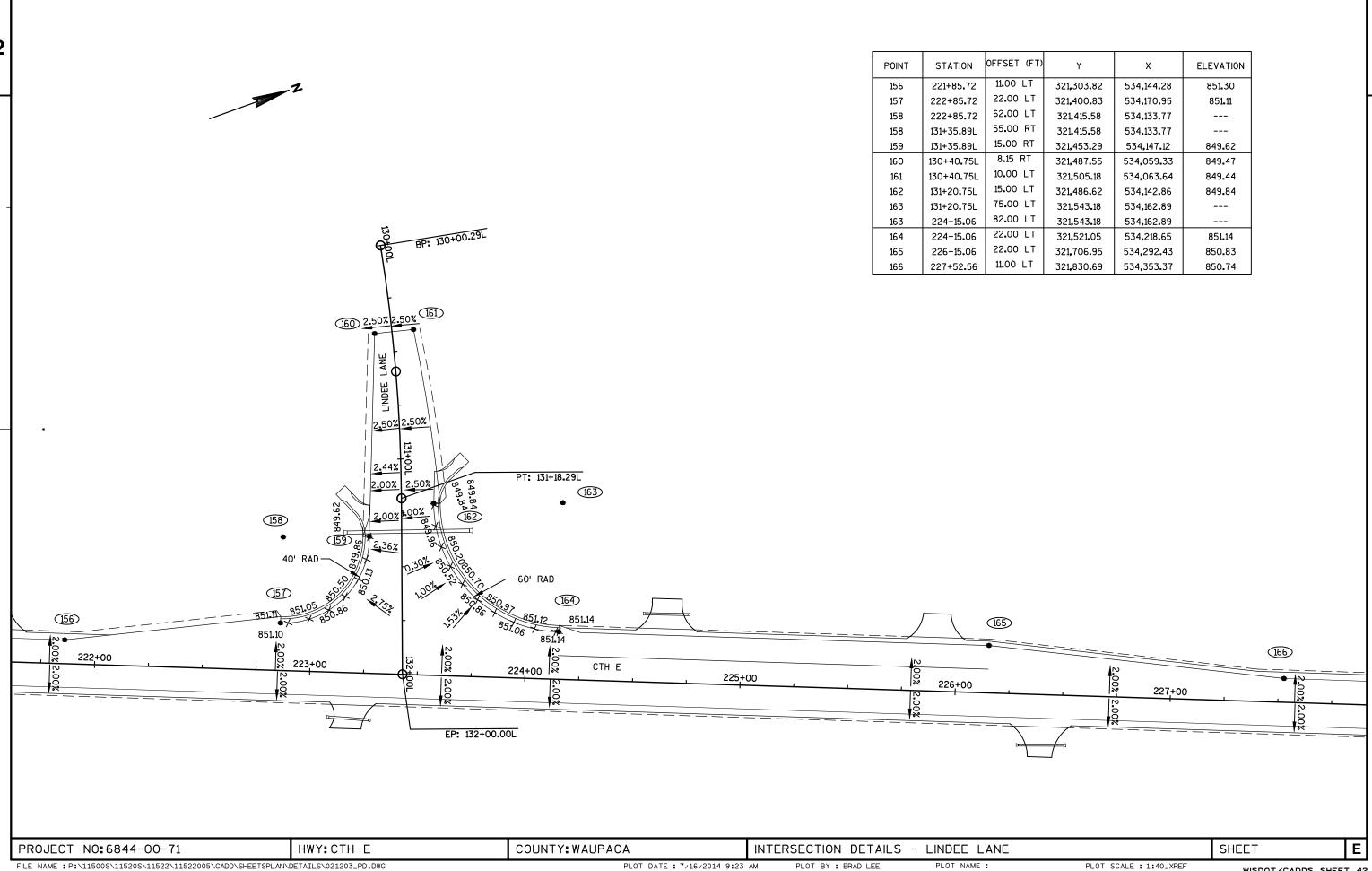


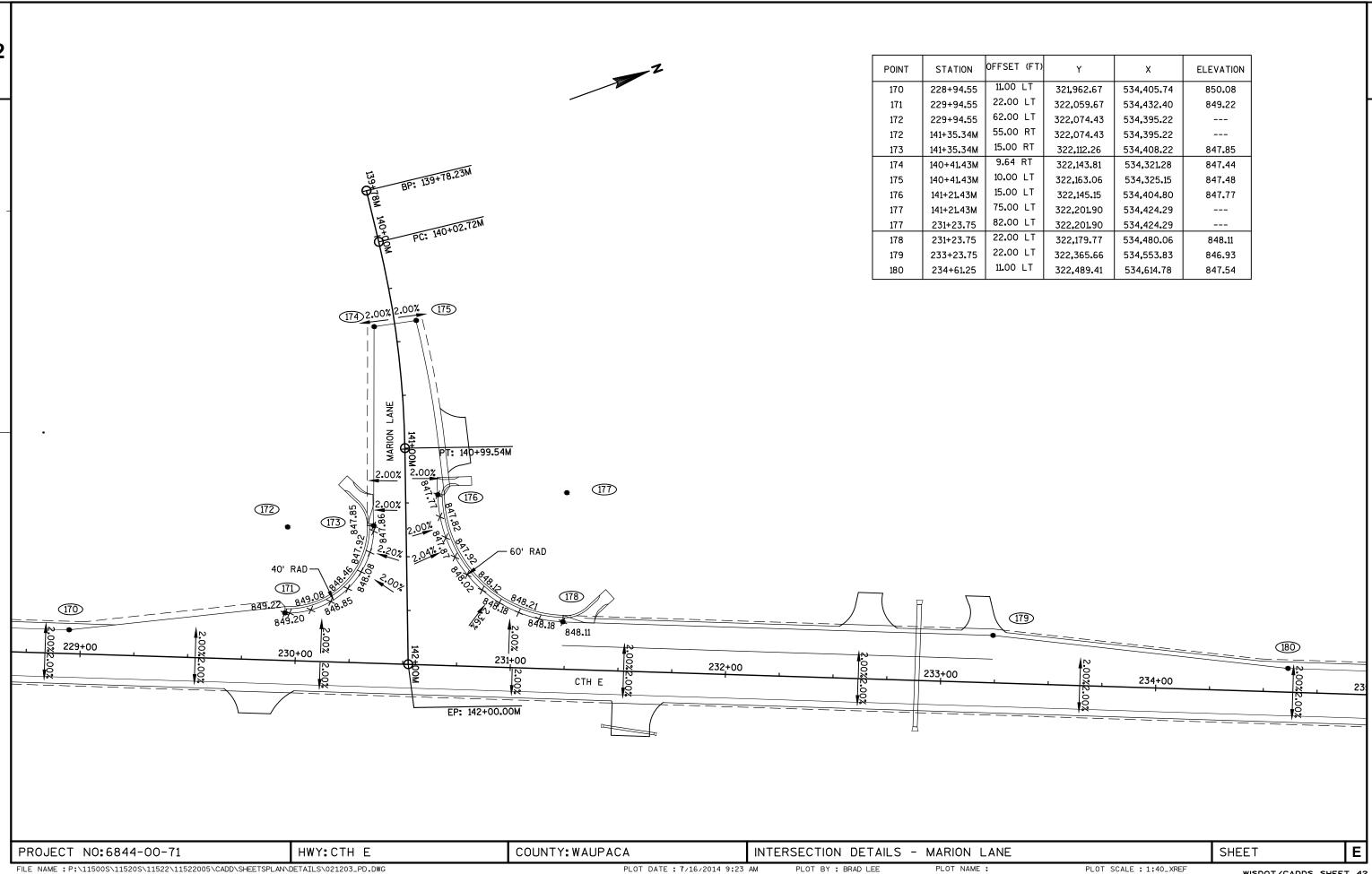


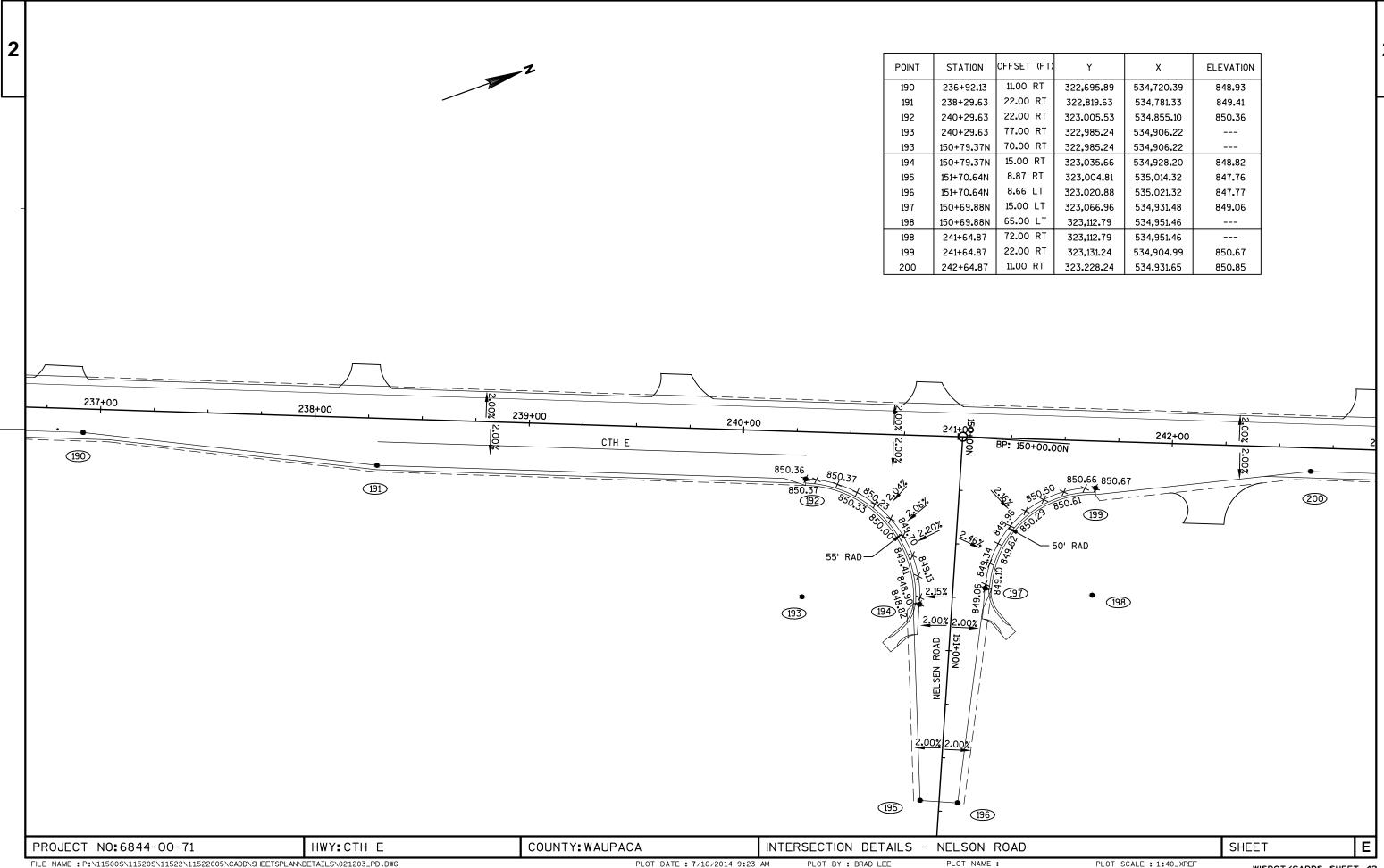


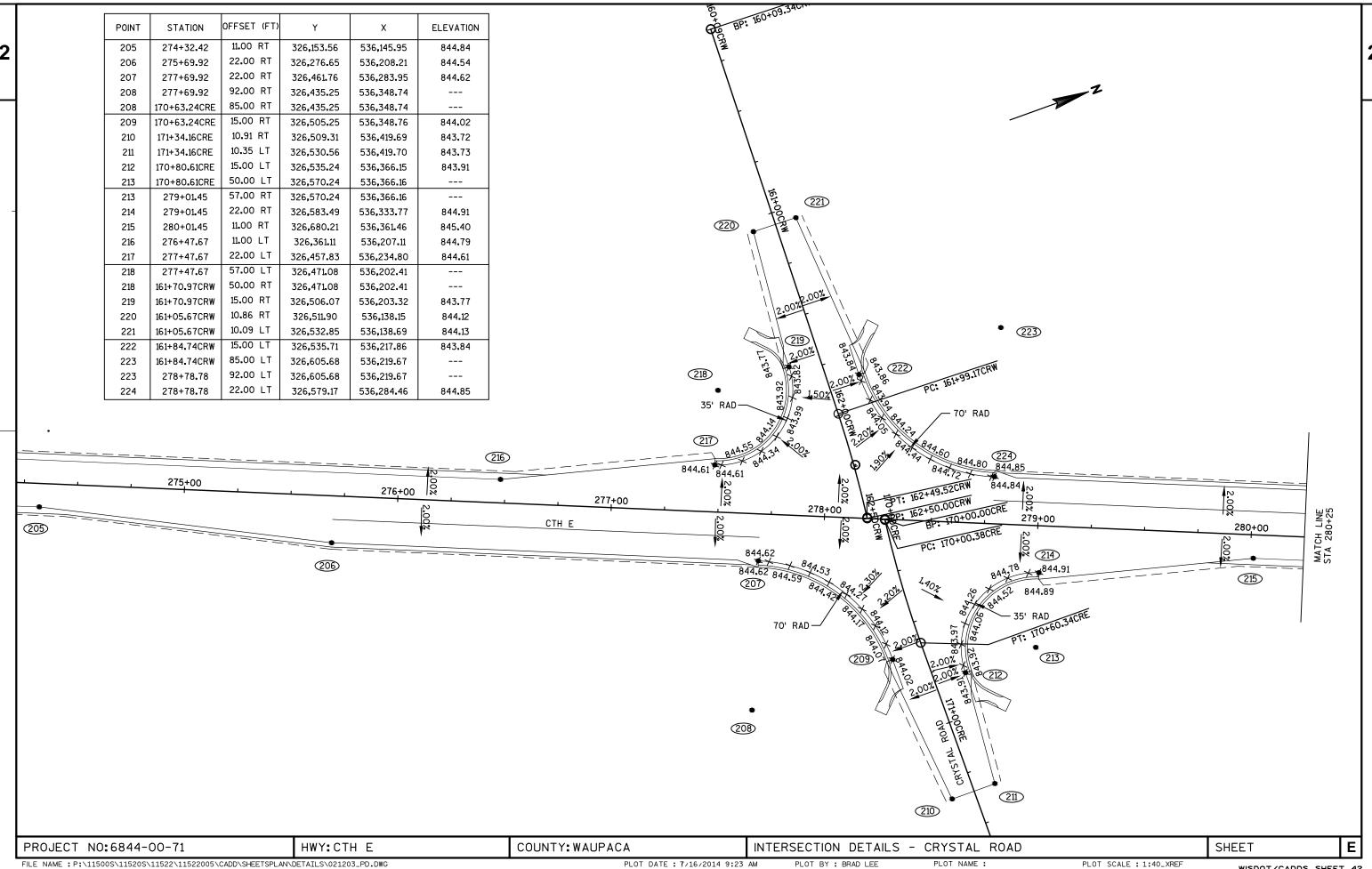


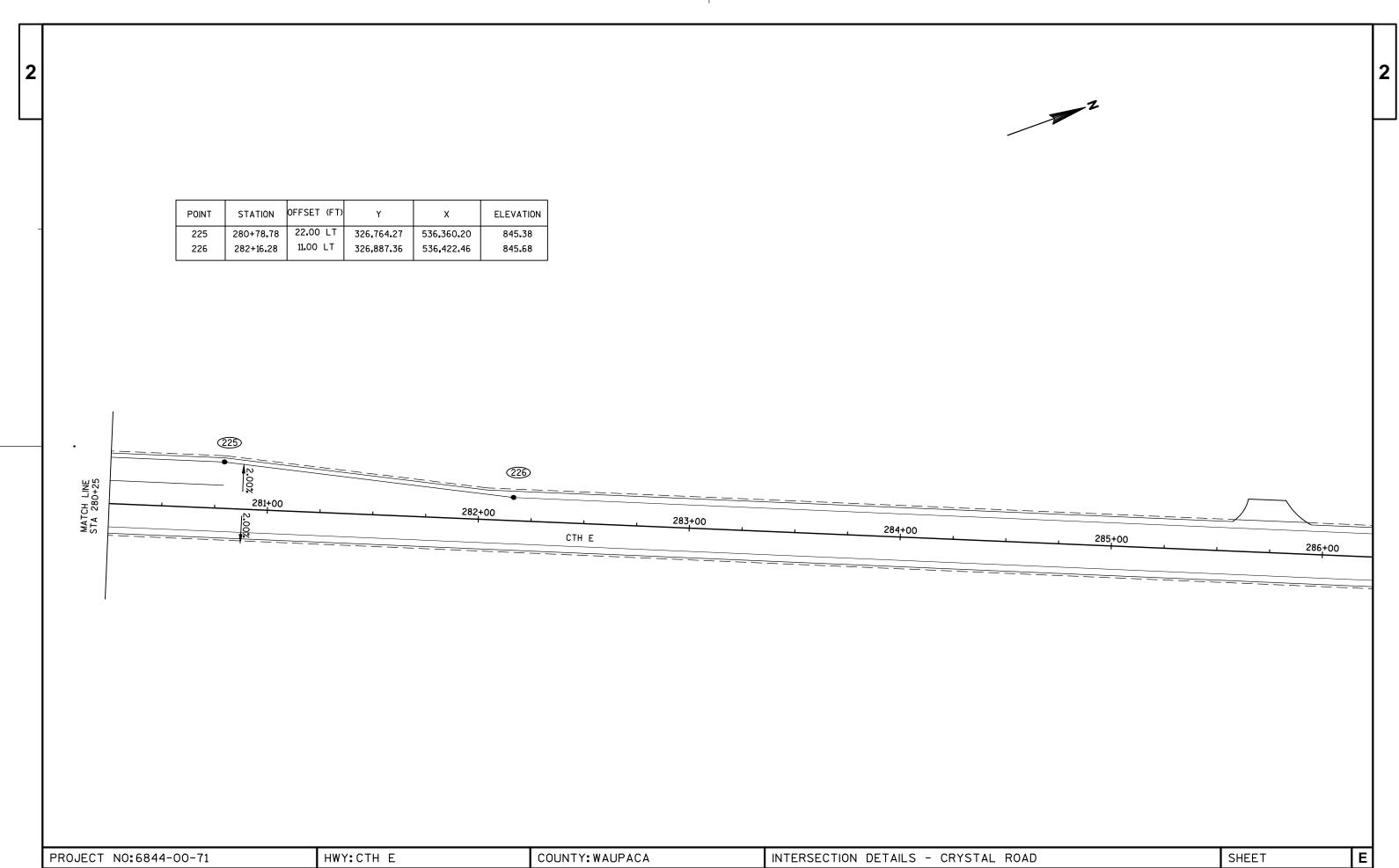


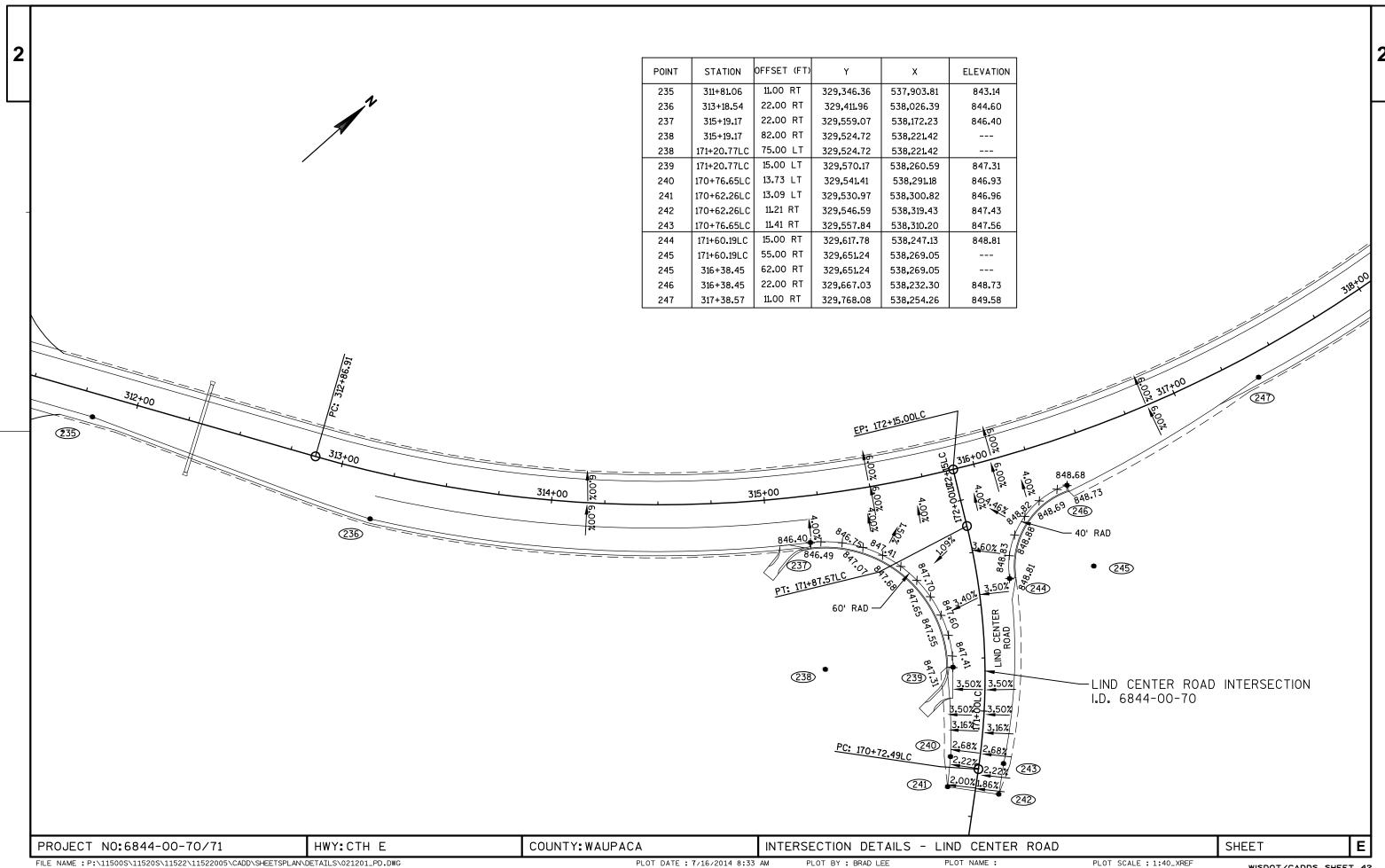


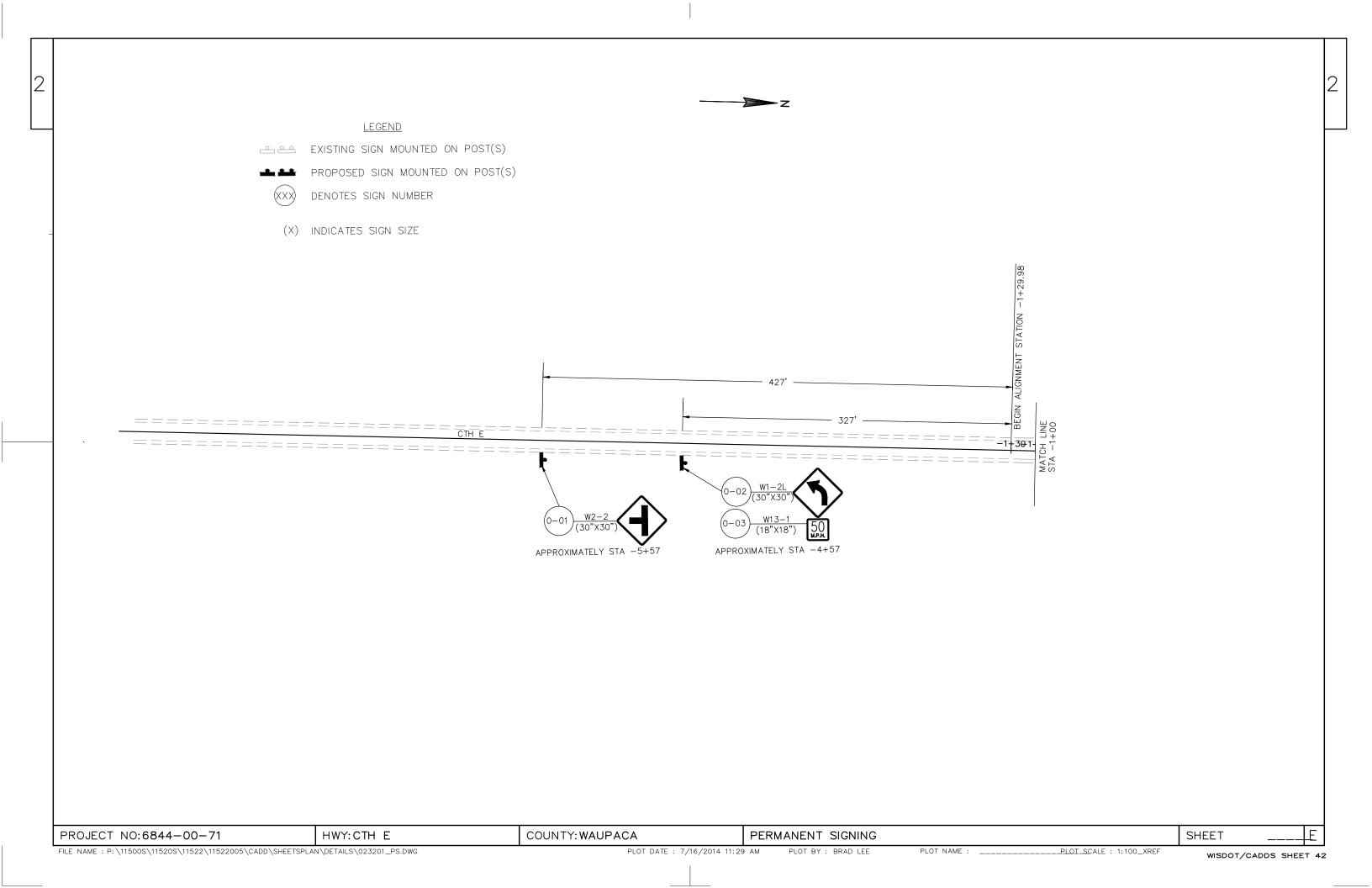


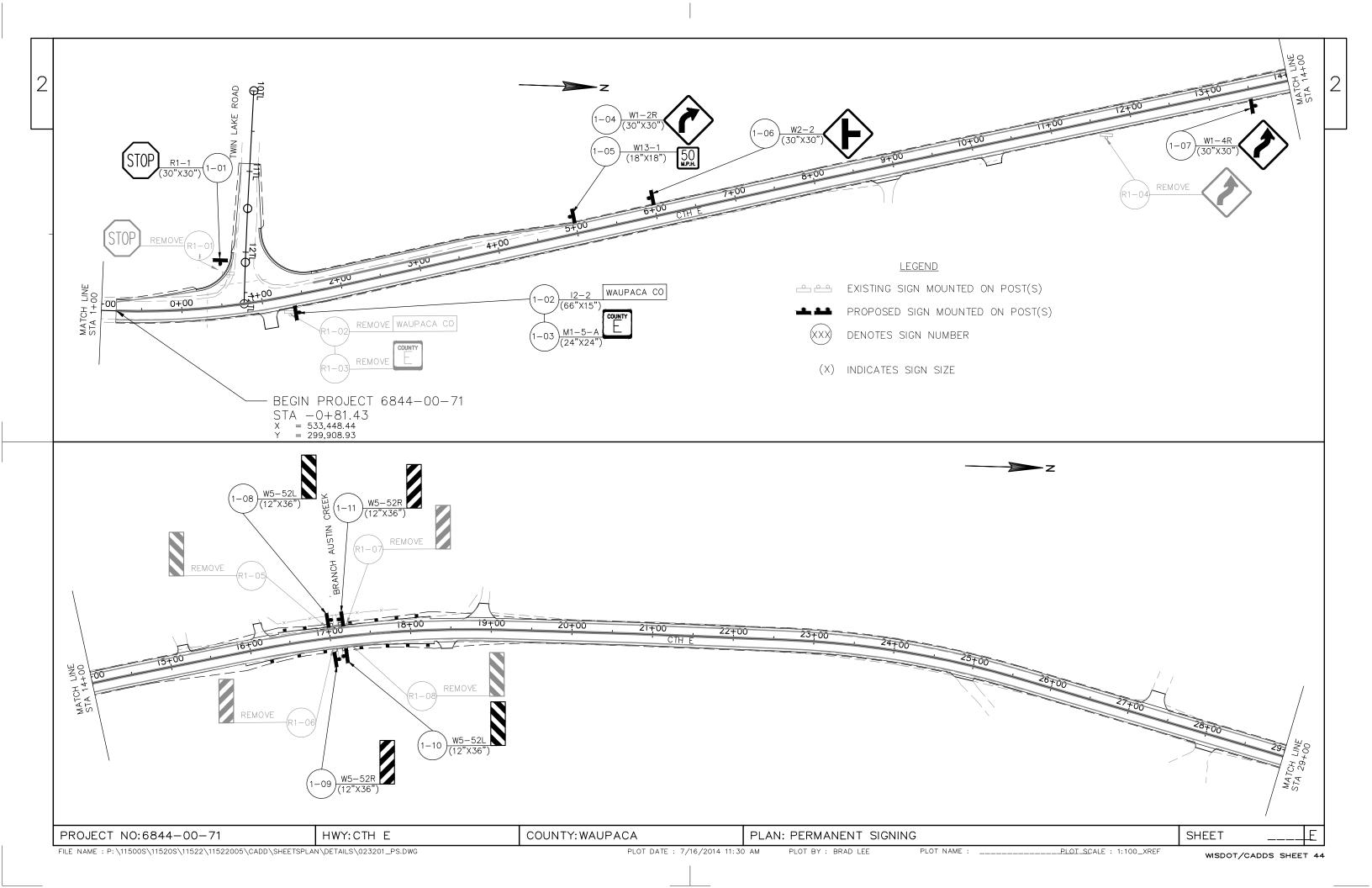


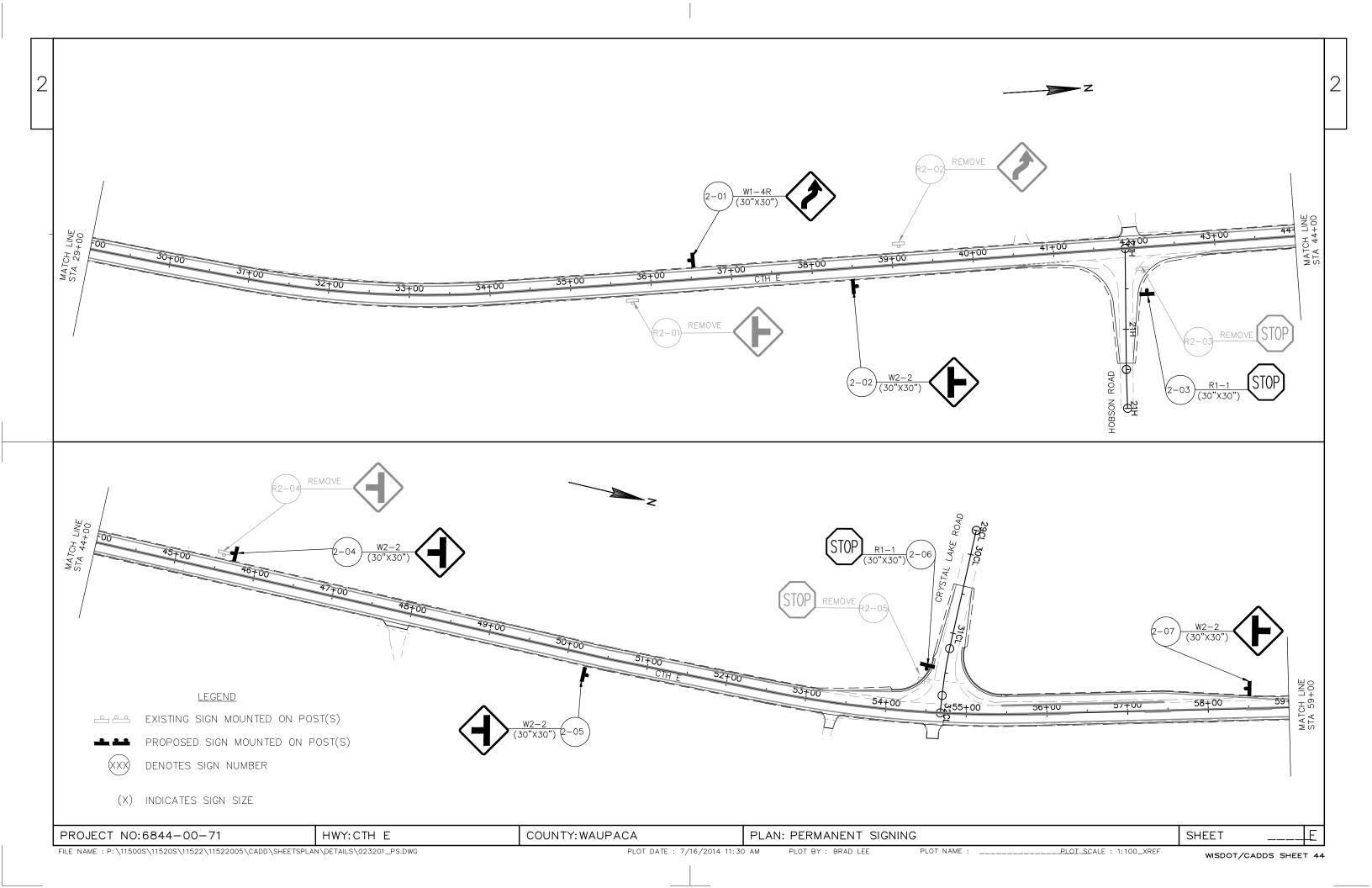


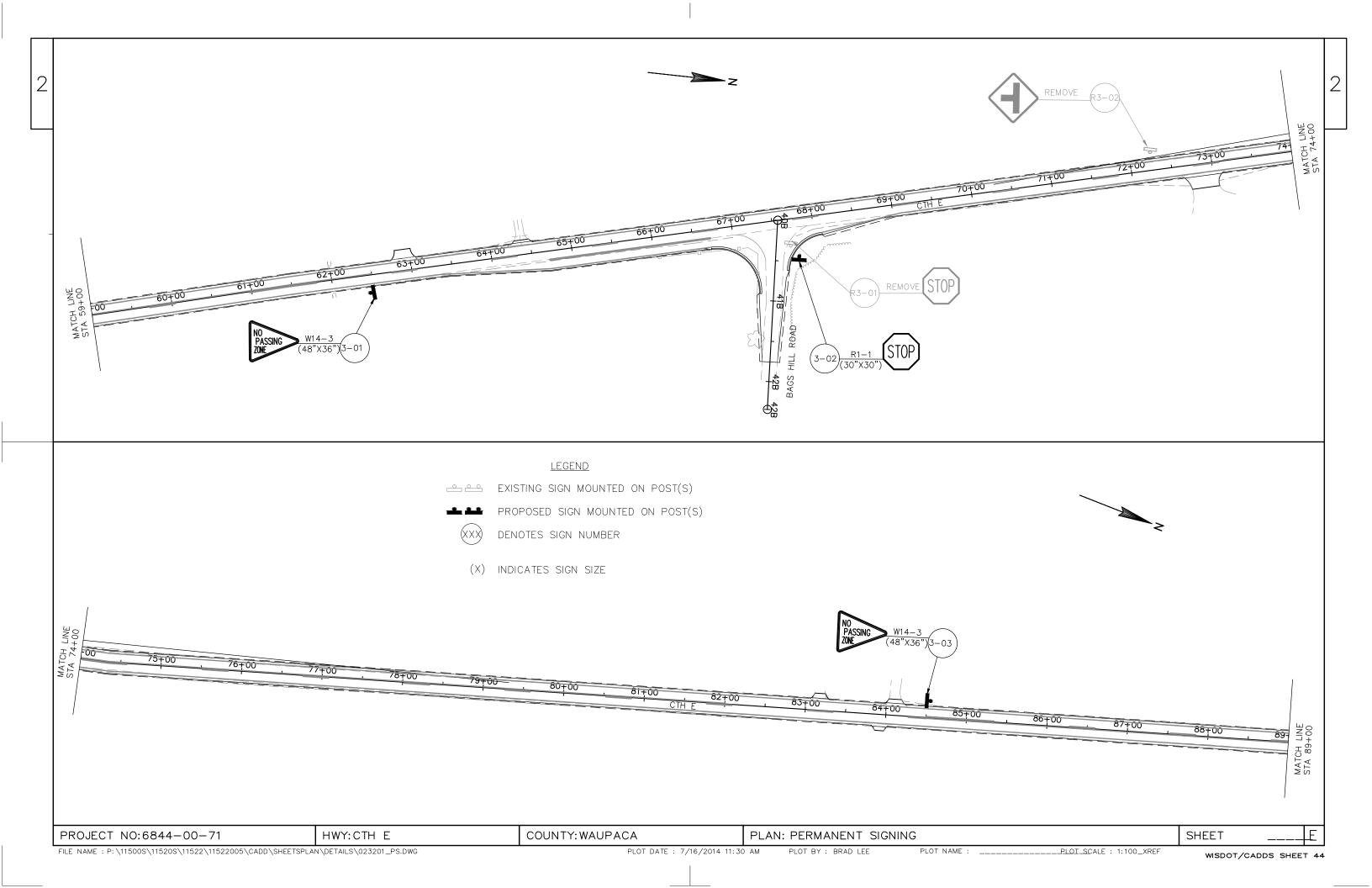


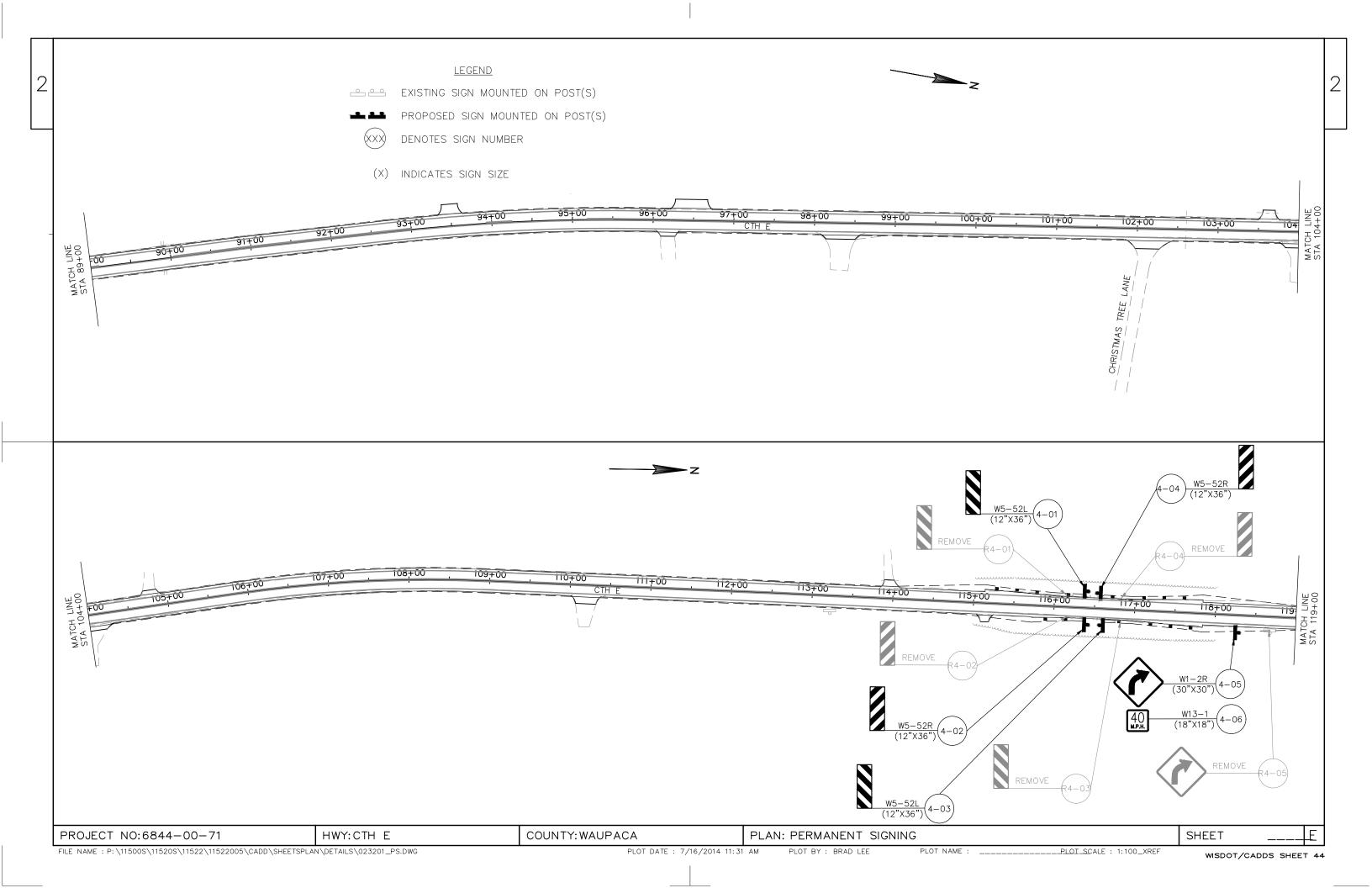


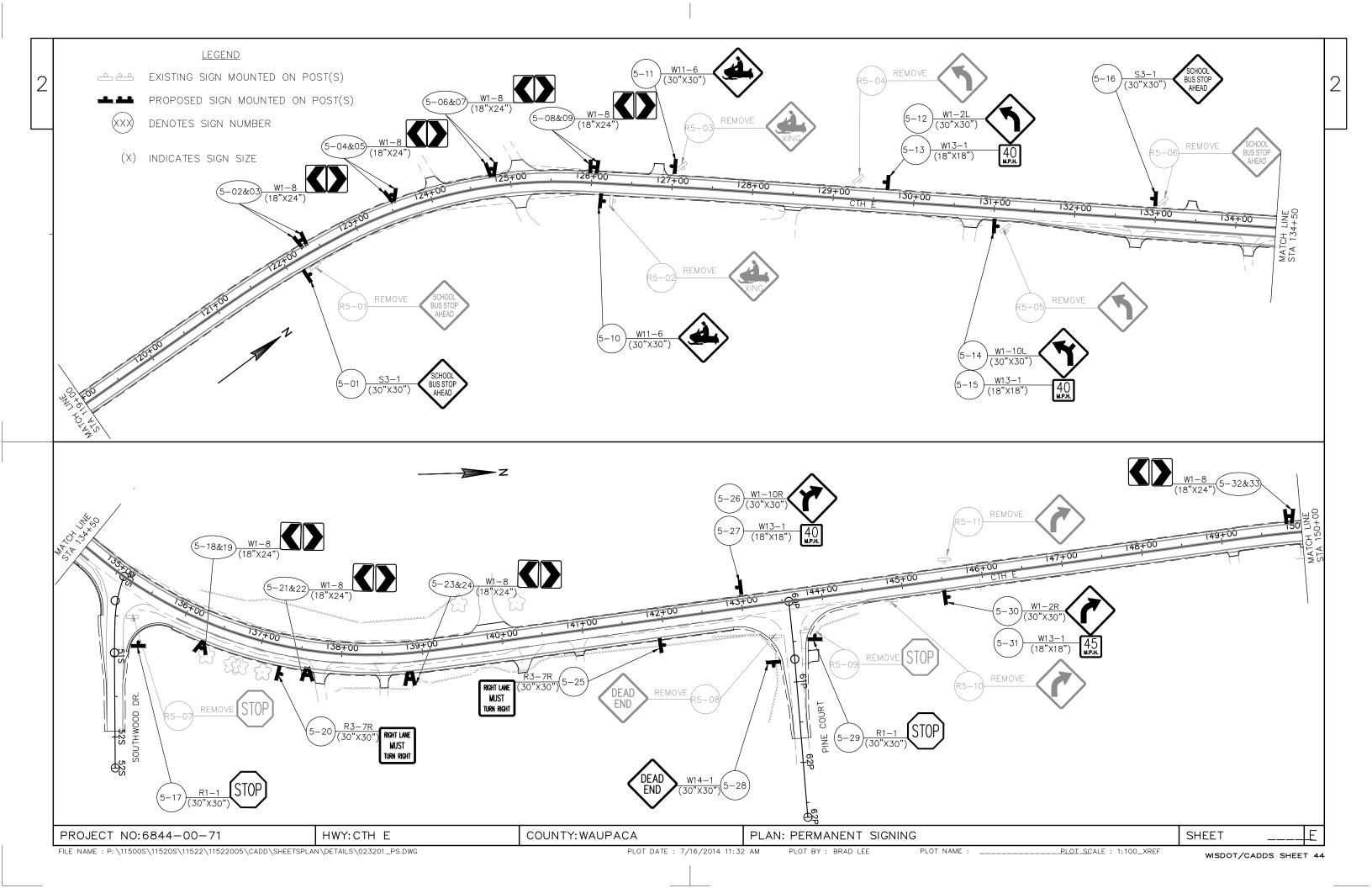


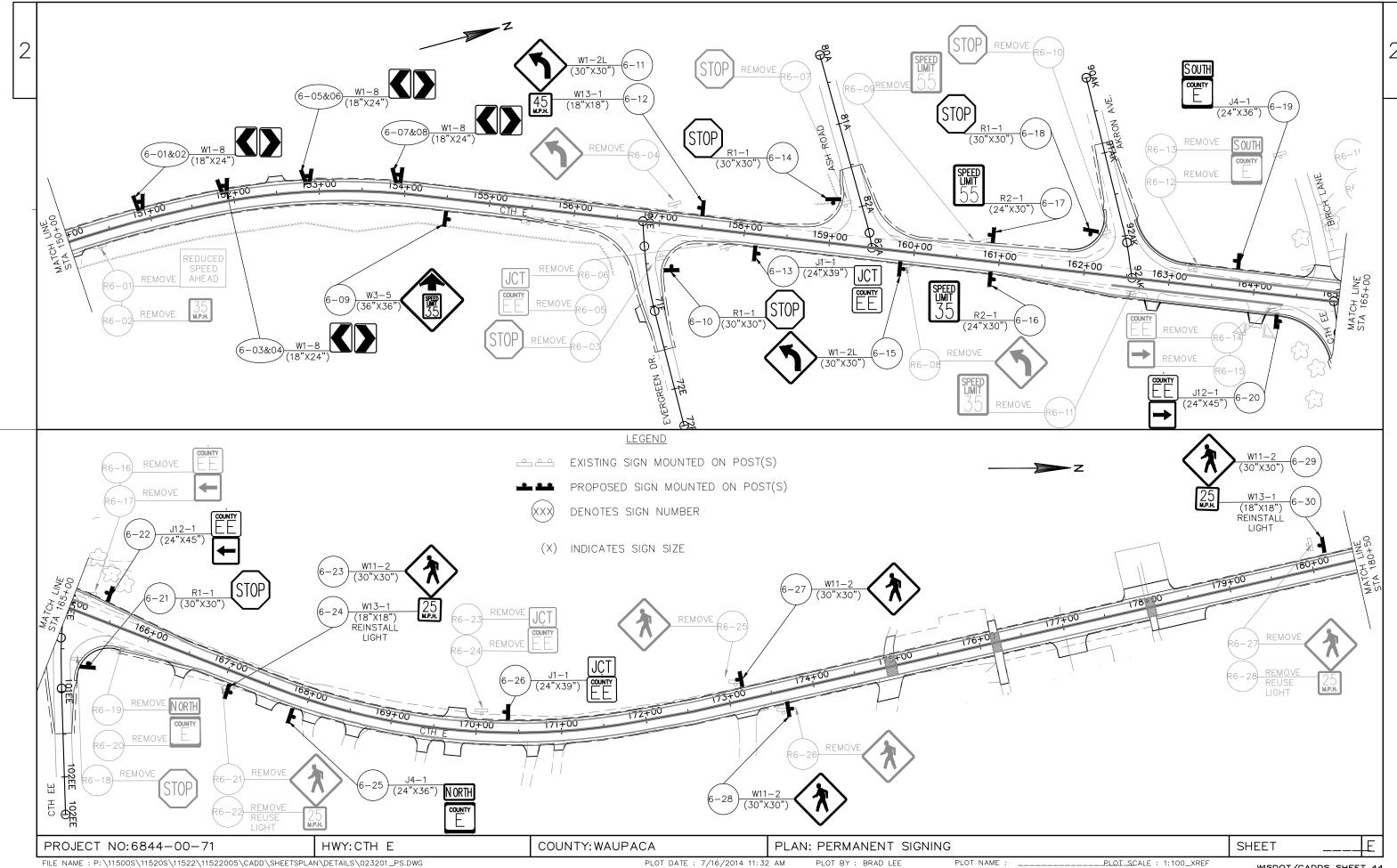








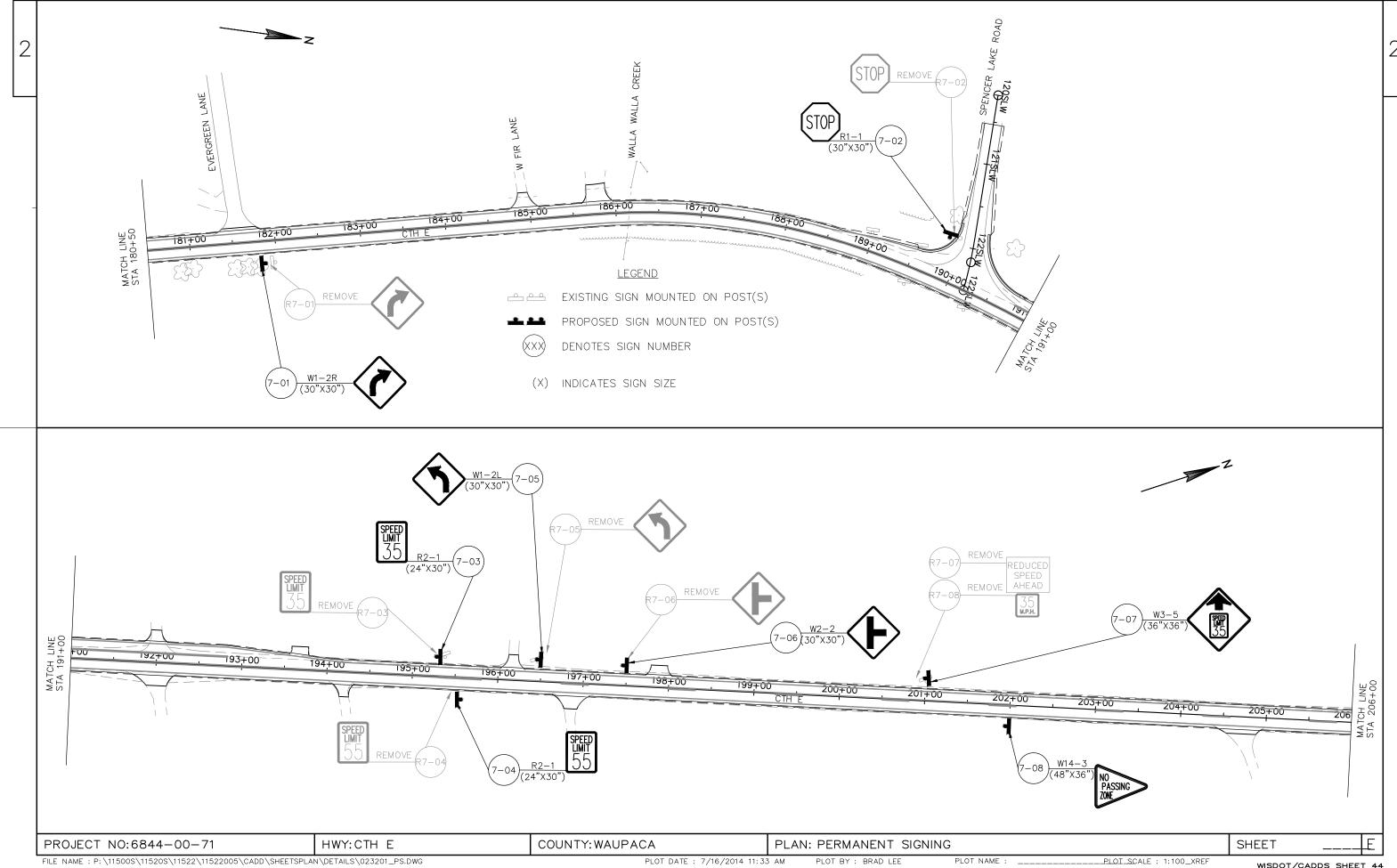


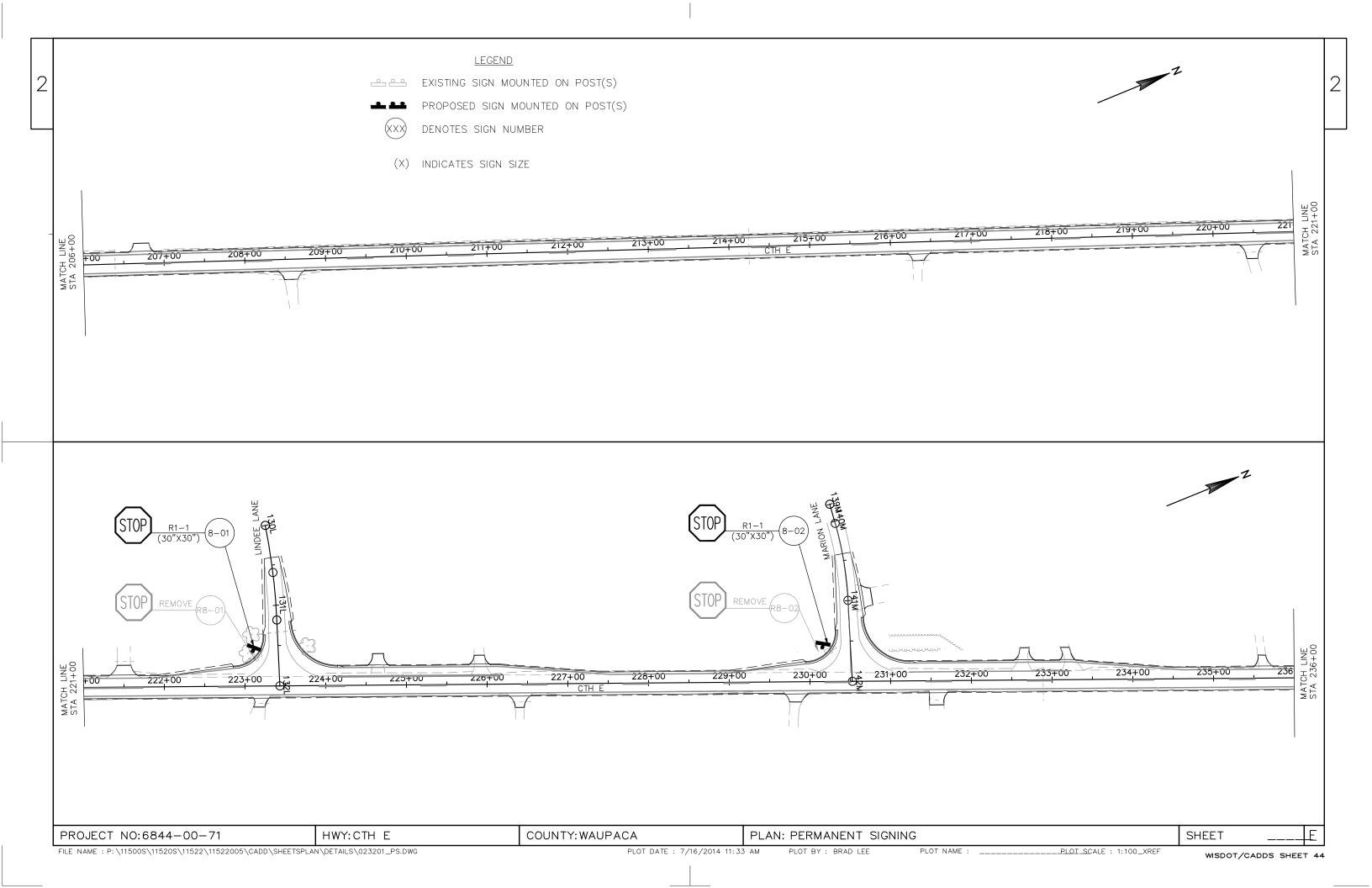


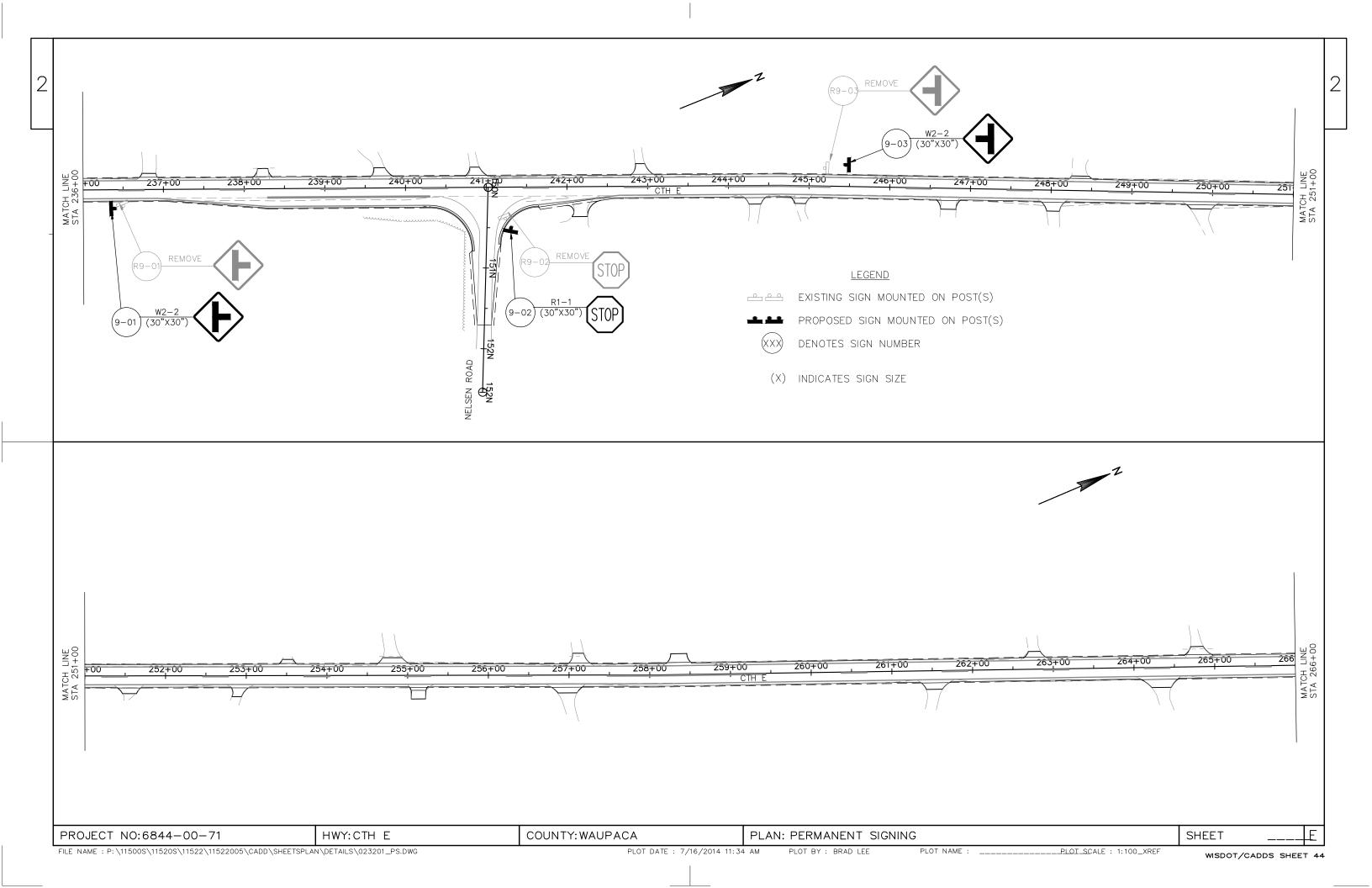
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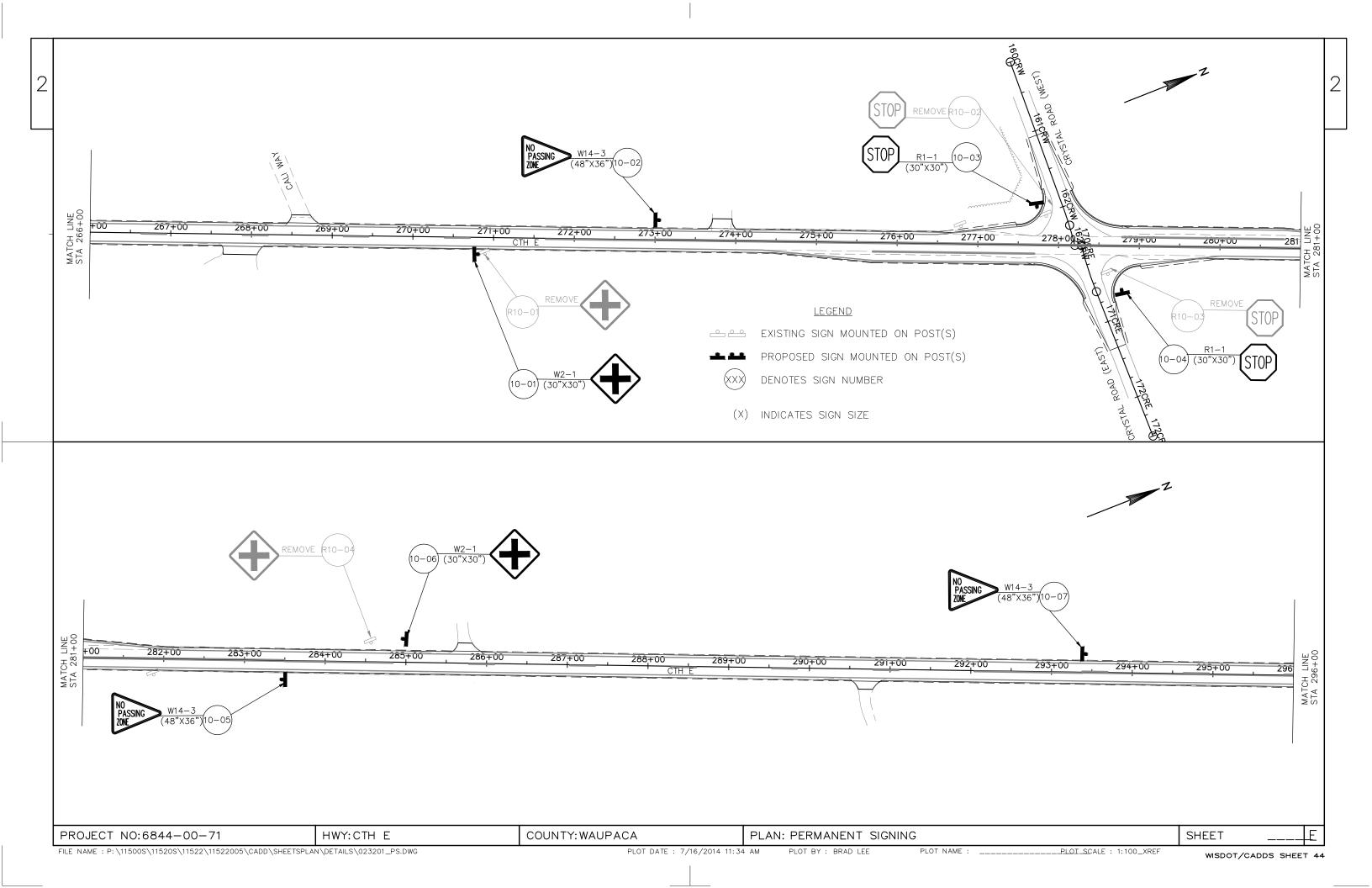
PLOT DATE: 7/16/2014 11:32 AM

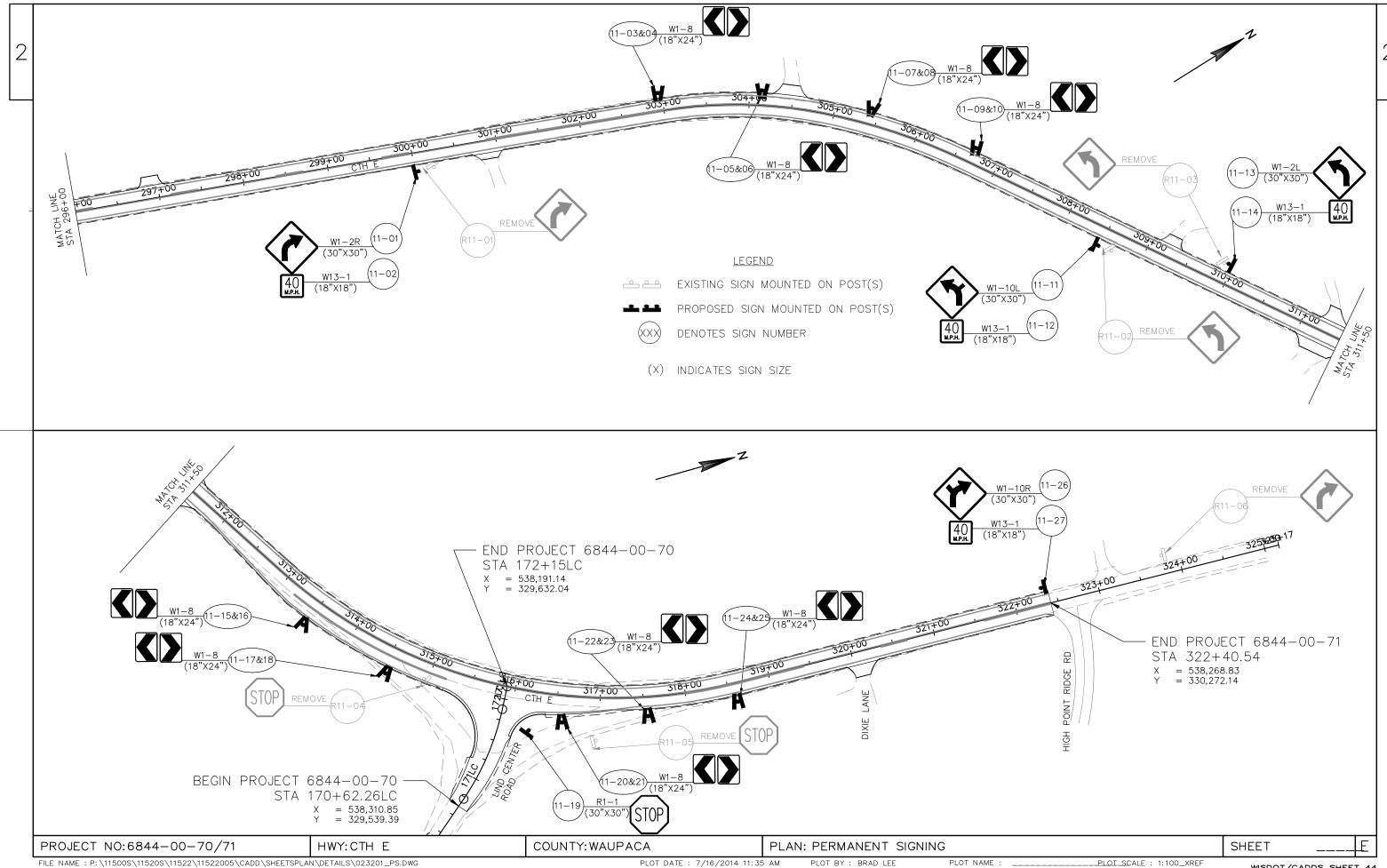
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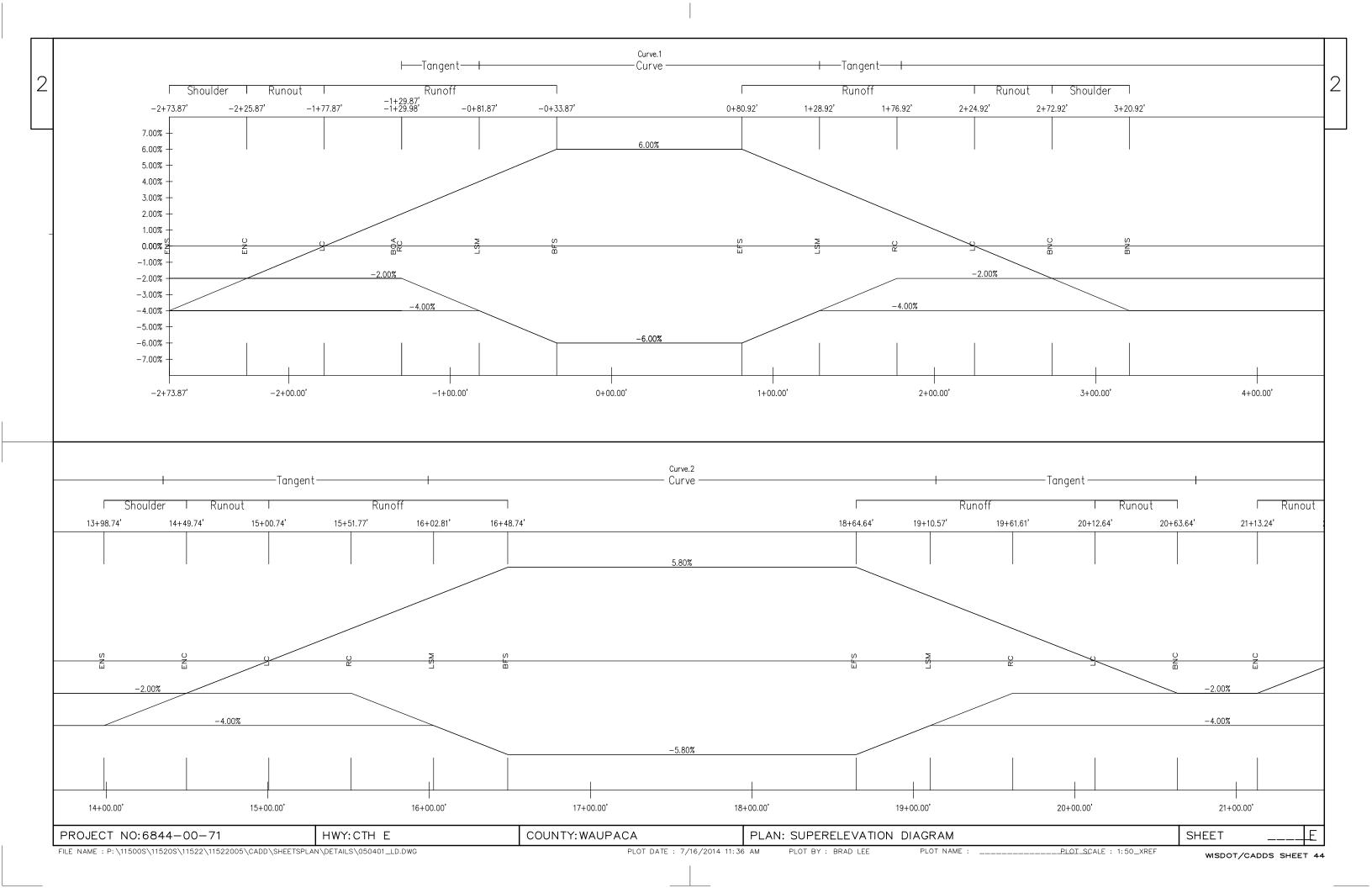


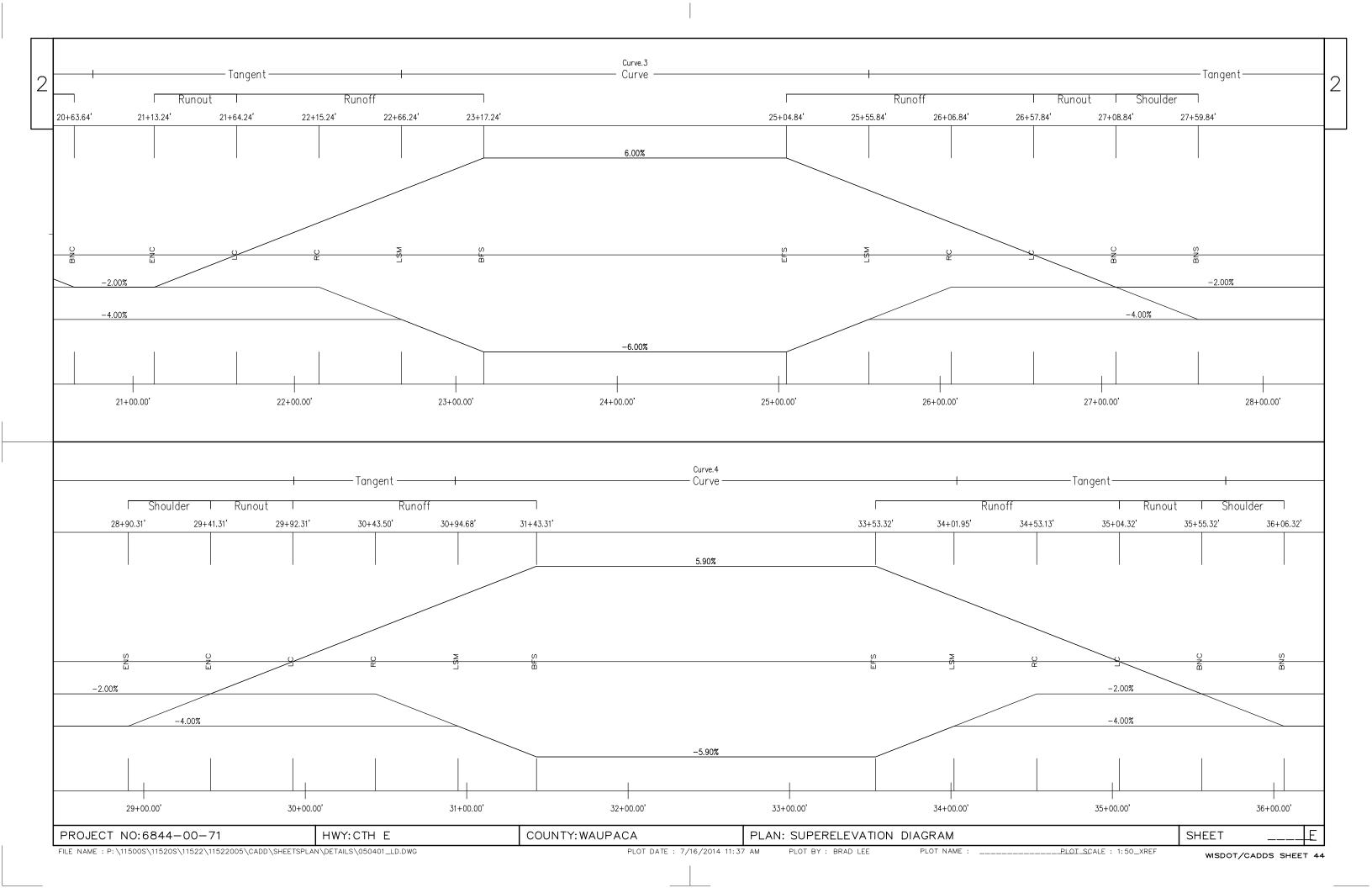


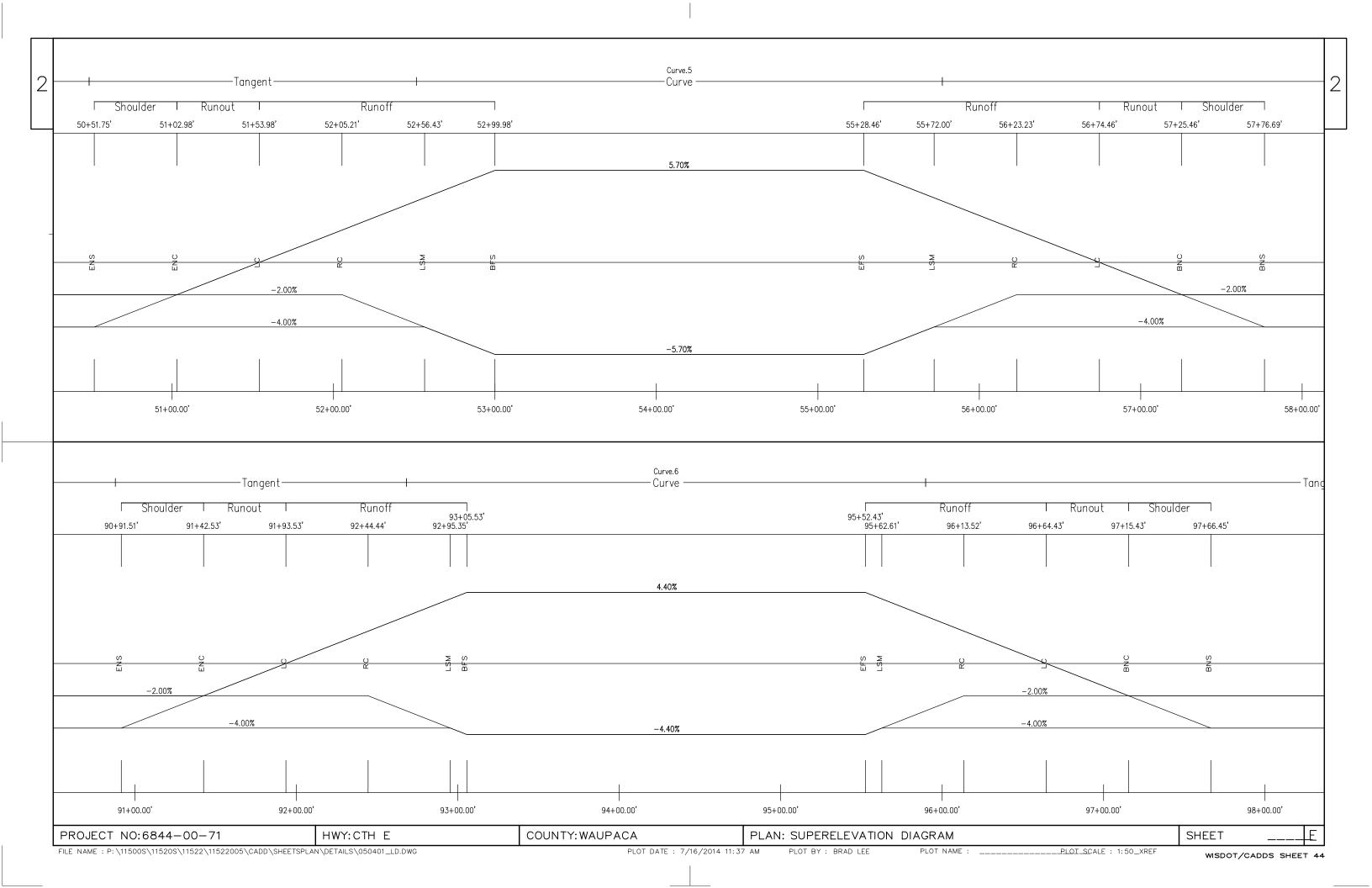


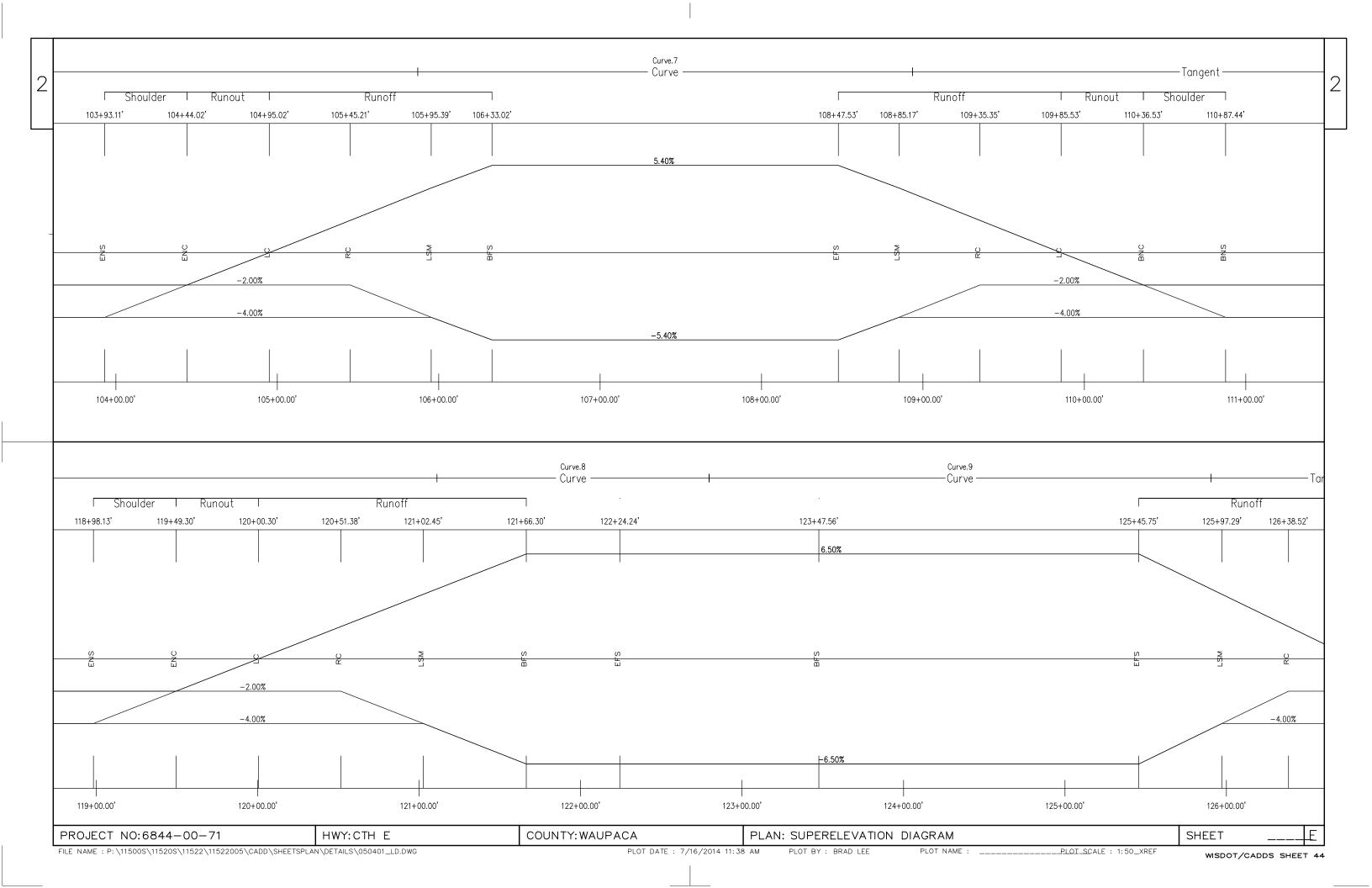


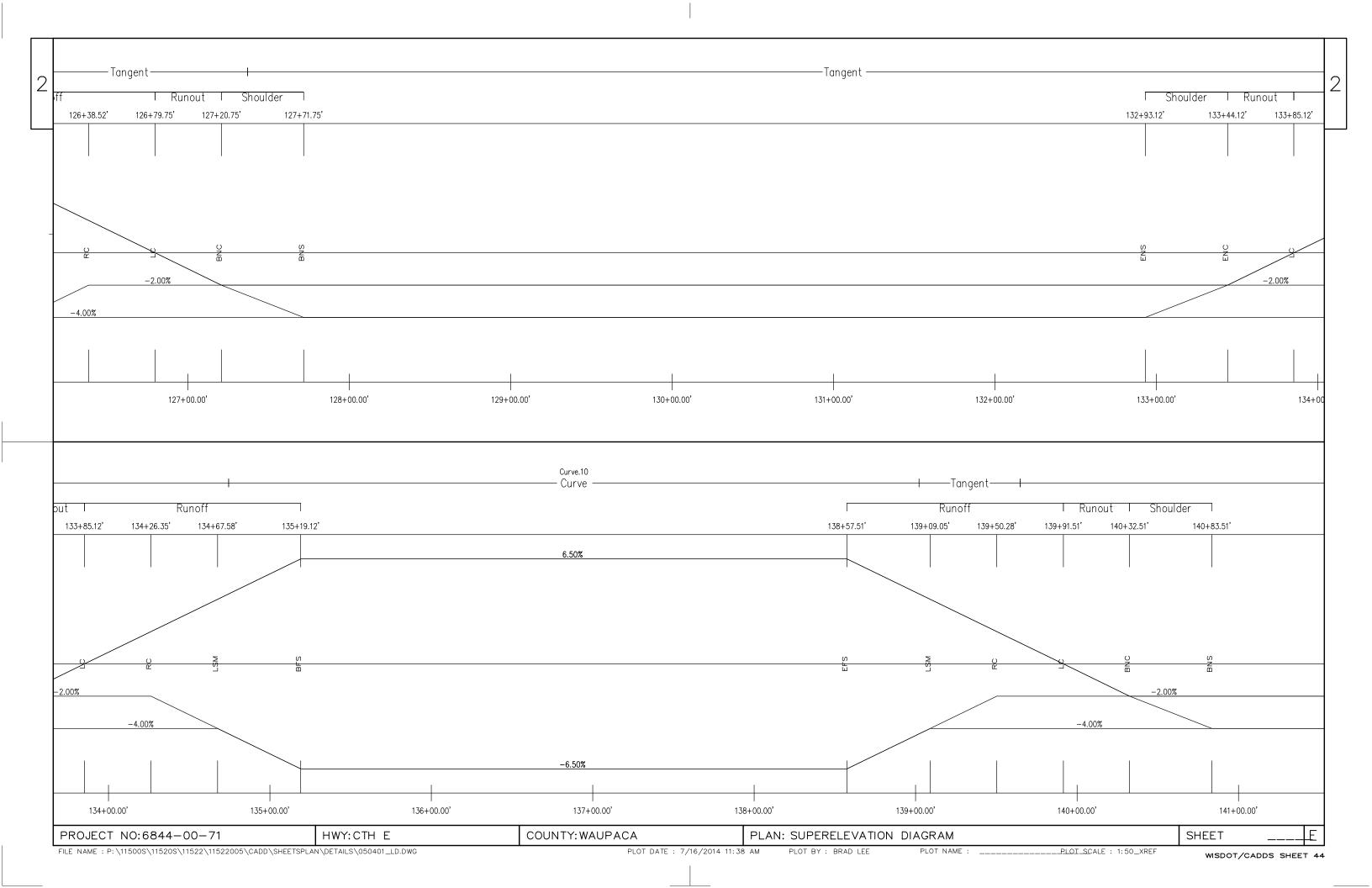


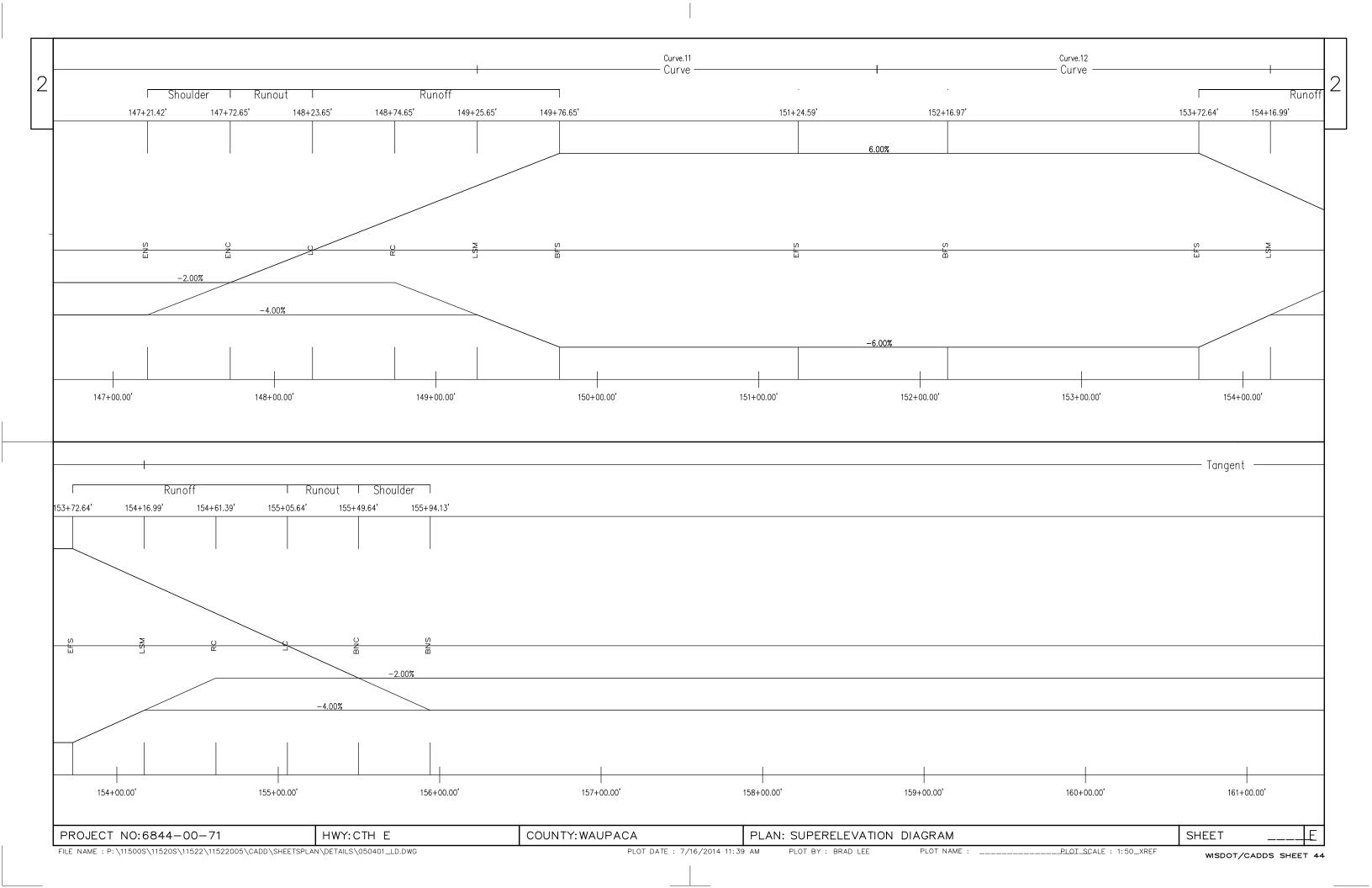


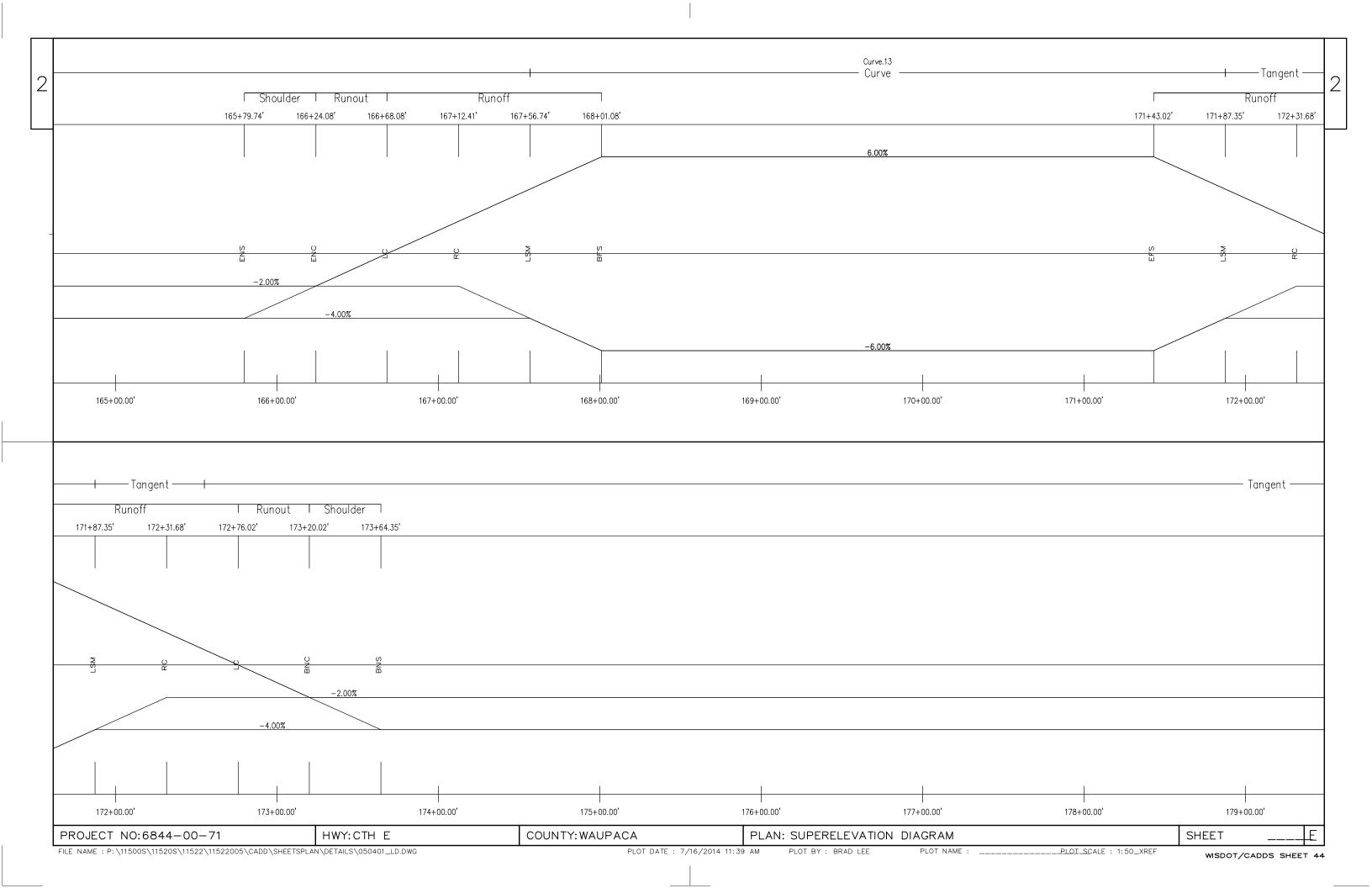


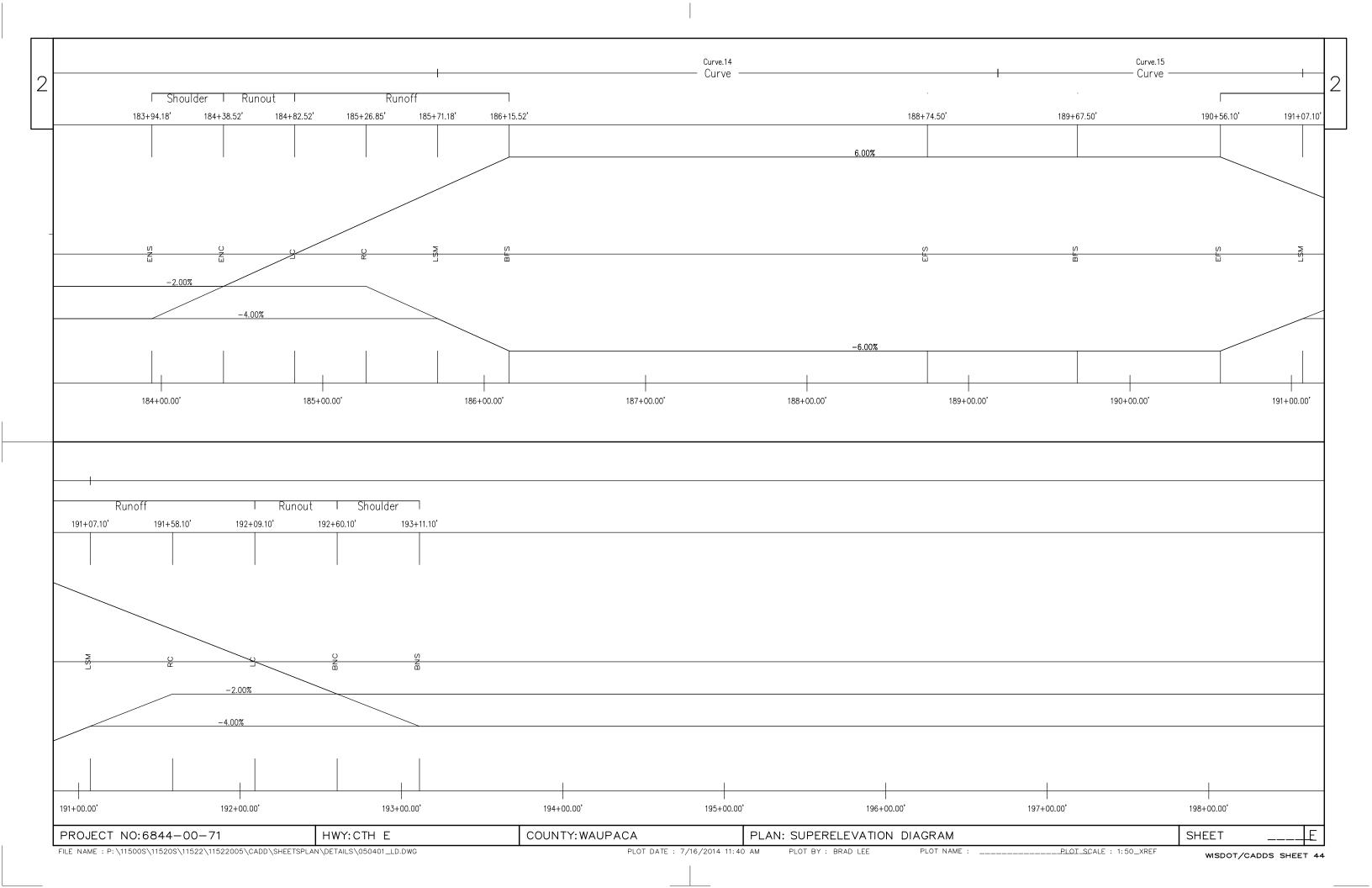


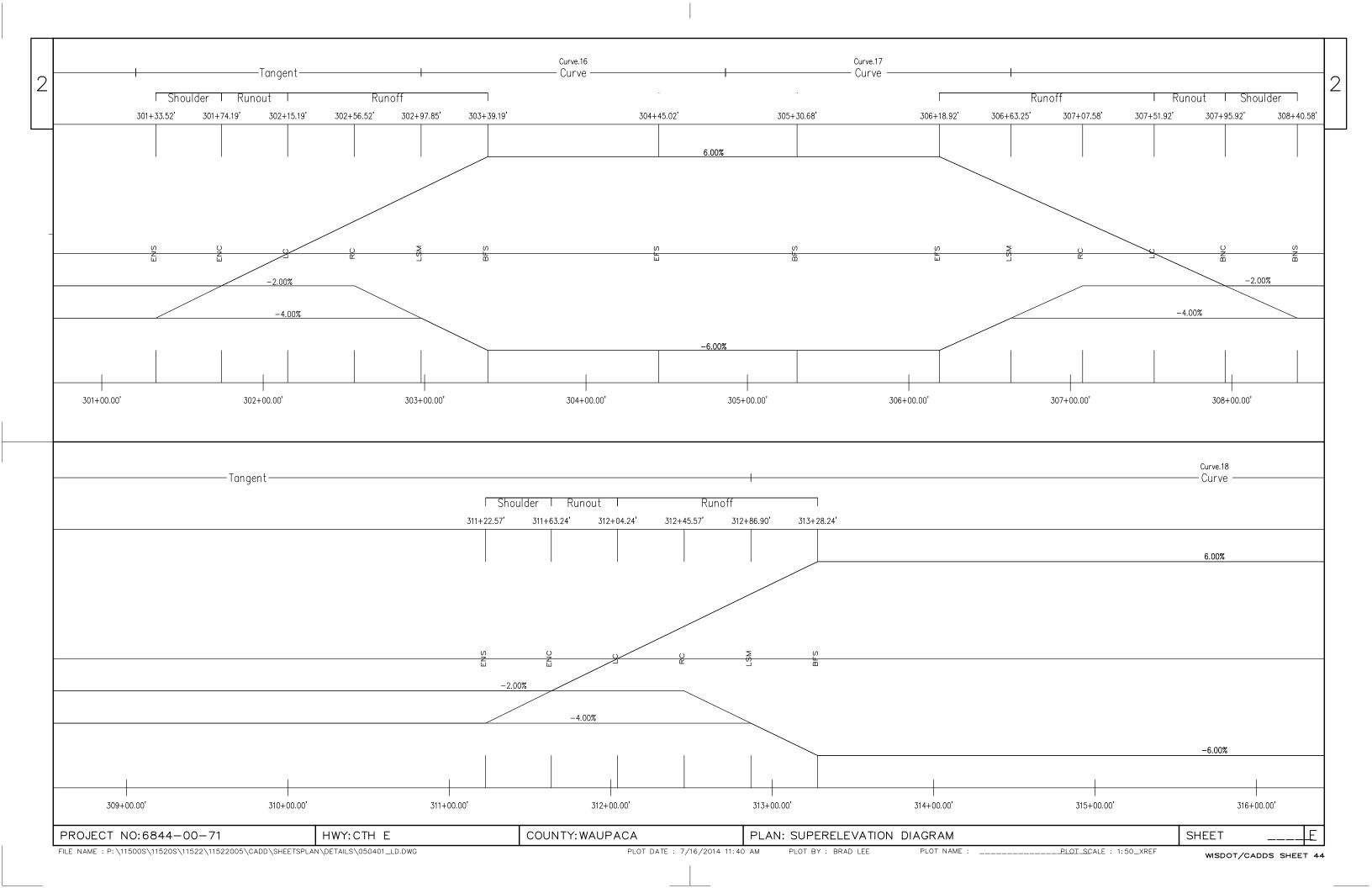


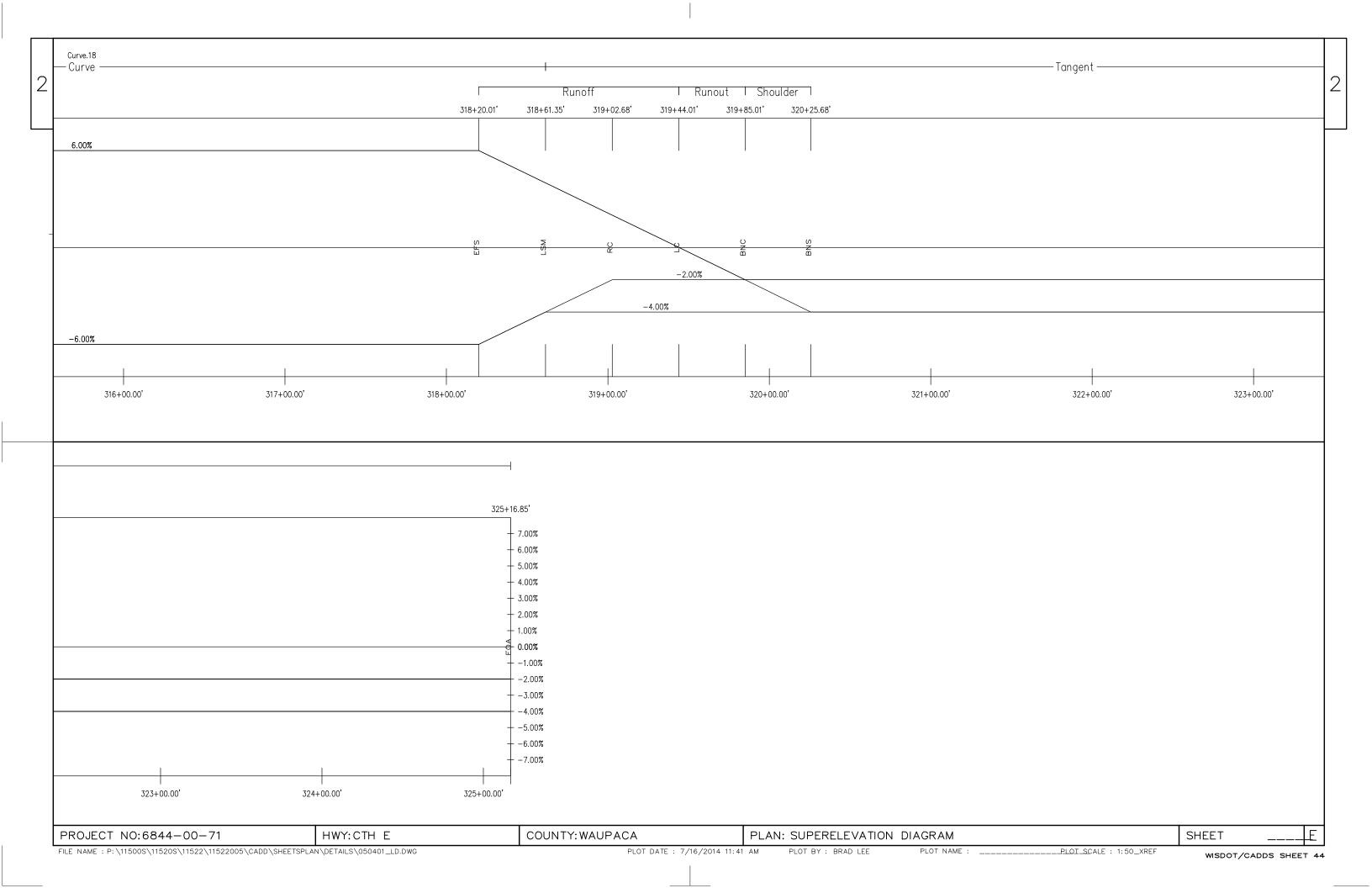












| DATE 10 | DFEB15 | EST | IMAT | E OF QUAN | | 4044 00 71 | |
|---------------------------------------------------------|------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|-----------------------------------------------------------------|-------------------------|----------------------------------------------------------------------------------|--|
| LI NE NUMBER 0010 0020 0030 0040 0050 | 1 TEM 204. 0110 204. 0115 204. 0120 204. 0165 205. 0100 | ITEM DESCRIPTION Removing Asphaltic Surface Removing Asphaltic Surface Butt Joints Removing Asphaltic Surface Milling Removing Guardrail Excavation Common | UNIT SY SY SY LF CY | TOTAL 953.000 1,679.000 75.000 141.000 8,619.000 | 6844-00-70 QUANTI TY | 6844-00-71 QUANTITY 953.000 1,679.000 75.000 141.000 8,619.000 | |
| 0060 | 208. 0100 | Borrow Despera Foundation for Appletic Poving | CY | 382.000 | 29.000 | 353.000 | |
| 0070 0080 | 211. 0100 211. 0100 | Prepare Foundation for Asphaltic Paving (project) 01. 6844-00-70 Prepare Foundation for Asphaltic Paving | LS LS | 1. 000 1. 000 | 1. 000 | 1. 000 | |
| 0090 | 211. 0400 | (project) 02. 6844-00-71 Prepare Foundation for Asphaltic | STA | 336. 000 | 1. 000 | 335. 000 | |
| 0100 | 213. 0100 | Shoul ders Finishing Roadway (project) 01. 6844-00-70 | EACH | 1. 000 | 1. 000 | 000.000 | |
| 0110 | 213. 0100 | Finishing Roadway (project) 02. 6844-00-71 | EACH | 1. 000 | | 1. 000 | |
| 0120 0130 | 305. 0110 305. 0120 | Base Aggregate Dense 3/4-Inch Base Aggregate Dense 1 1/4-Inch | TON TON | 10, 308. 000 20, 290. 000 | 18. 000 5. 000 | 10, 290. 000 20, 285. 000 | |
| 0140 | 312. 0110 | Select Crushed Material | TON | 25, 140. 000 | 5.000 | 25, 140. 000 | |
| 0150 | 325. 0100 | Pul veri ze and Rel ay | SY | 92, 448. 000 | | 92, 448. 000 | |
| 0160 | 416. 0160 | Concrete Driveway 6-Inch | SY | 47. 000 | | 47. 000 | |
| 0170 0180 | 440. 4410. \$ 455. 0105 | S Incentive IRI Ride Asphaltic Material PG58-28 | DOL TON | 24, 486. 000 1, 645. 000 | 8. 000 | 24, 486. 000 1, 637. 000 | |
| 0190 | 455. 0605 | Tack Coat | GAL | 5, 878. 000 | 28. 000 | 5, 850. 000 | |
| 0200 | 460. 1101 | HMA Pavement Type E-1 | TON | 29, 606. 000 | 114. 000 | 29, 492. 000 | |
| 0210 | 460. 2000 | Incentive Density HMA Pavement | DOL | 19, 110. 000 | 80. 000 | 19, 030. 000 | |
| 0220 | 465. 0120 | Asphaltic Surface Driveways and Field Entrances | TON | 78. 000 | | 78. 000 | |
| 0230 | 465. 0315 | Asphaltic Flumes | SY | 459. 500 | 32. 600 | 426. 900 | |
| 0240 | 601. 0557 | Concrete Curb & Gutter 6-Inch Sloped 36-Inch Type D | LF | 2, 141. 000 | 148. 000 | 1, 993. 000 | |
| 0250 | 614. 0200 | Steel Thrie Beam Structure Approach | LF | 37. 500 | | 37. 500 | |
| 0260 | 614. 0370 | Steel Plate Beam Guard Energy Absorbing Terminal | EACH | 2. 000 | | 2. 000 | |
| 0270 | 614. 2300 | MGS Guardrail 3 | LF | 187. 500 | | 187. 500 | |
| 0280 0290 | 614. 2500 614. 2610 | MGS Thrie Beam Transition MGS Guardrail Terminal EAT | LF EACH | 225. 000 6. 000 | | 225. 000 6. 000 | |
| 0300 | 619. 1000 | Mobilization | EACH | 1. 000 | 0. 010 | 0. 990 | |
| 0310 | 624. 0100 | Water | MGAL | 1, 562. 300 | 5. 300 | 1, 557. 000 | |
| 0320 | 625. 0100 | Topsoil Silt Fence | SY LF | 2, 971. 000 | 171. 000 | 2, 800. 000 2, 630. 000 | |
| 0330 0340 | 628. 1504 628. 1520 | Silt Fence Silt Fence Maintenance | LF LF | 2, 830. 000 2, 830. 000 | 200. 000 200. 000 | 2, 630. 000 | |
| 0350 | 628. 2004 | Erosi on Mat Class I Type B | SY | 1, 904. 000 | 132. 000 | 1, 772. 000 | |
| 0360 | 629. 0210 | Fertilizer Type B | CWT | 13. 230 | 0. 150 | 13. 080 | |
| 0370 | 630. 0120 | Seeding Mixture No. 20 | LB | 566. 000 | 6.000 | 560.000 | |
| 0380 0390 | 630. 0200 634. 0612 | Seeding Temporary Posts Wood 4x6-Inch X 12-FT | LB EACH | 566. 000 29. 000 | 6. 000 | 560. 000 29. 000 | |
| 0400 | 634. 0612 | Posts Wood 4x6-Inch X 14-FT | EACH | 75. 000 | 1.000 | 74. 000 | |
| 0410 | 637. 2210 | Signs Type II Reflective H | SF | 220. 440 | 5. 180 | 215. 260 | |
| 0420 | 637. 2230 | Signs Type II Reflective F | SF | 417. 750 | 0.000 | 417.750 | |
| 0430 0440 | 638. 2602 638. 3000 | Removing Signs Type II Removing Small Sign Supports | EACH EACH | 82. 000 71. 000 | 2. 000 2. 000 | 80. 000 69. 000 | |
| 0450 | 642. 5001 | Field Office Type B | EACH | 1. 000 | 2.000 | 1. 000 | |
| 0460 0470 | 643. 0100 646. 0106 | Traffic Control (project) 02. 6844-00-71 Pavement Marking Epoxy 4-Inch | EACH LF | 1. 000 62, 465. 000 | | 1. 000 62, 465. 000 | |

| DATE 10 LINE | FEBIO | E 3 I | IWAI | E O F Q U A N | 6844-00-70 | 6844-00-71 | |
|-----------------|-----------|-----------------------------------------------------------------------|-------|---------------|------------|--------------|--|
| NUMBER | ITEM | ITEM DESCRIPTION | UNI T | TOTAL | QUANTI TY | QUANTI TY | |
| 0480 | 646. 0126 | Pavement Marking Epoxy 8-Inch | LF | 2, 405. 000 | | 2, 405. 000 | |
| 0490 | 646. 0406 | Pavement Marking Same Day Epoxy 4-Inch | LF | 49, 228. 000 | | 49, 228. 000 | |
| 0500 | 647. 0736 | Pavement Marking Diagonal Epoxy 18-Inch | LF | 203.000 | | 203. 000 | |
| 0510 | 647. 0786 | Pavement Marking Crosswalk Epoxy 18-Inch | | 132.000 | | 132.000 | |
| 0520 | 648. 0100 | Locating No-Passing Zones | MI | 6. 120 | | 6. 120 | |
| 0530 | 649. 0100 | Temporary Pavement Marking 4-Inch | LF | 49, 178. 000 | | 49, 178. 000 | |
| 0540 | 650. 5500 | Construction Staking Curb Gutter and Curb & Gutter | LF | 2, 141. 000 | 148. 000 | 1, 993. 000 | |
| 0550 | 650. 8000 | Construction Staking Resurfacing Reference | LF | 34, 552. 000 | 123. 000 | 34, 429. 000 | |
| 0560 | 650. 9910 | Construction Staking Supplemental Control (project) 01. 6844-00-70 | LS | 1.000 | 1. 000 | | |
| 0570 | 650. 9910 | Construction Staking Supplemental Control (project) 02. 6844-00-71 | LS | 1. 000 | | 1.000 | |
| 0580 | 690. 0150 | Sawing Asphalt | LF | 805.000 | 24.000 | 781. 000 | |
| 0590 | 690. 0250 | Sawing Concrete | LF | 42.000 | | 42.000 | |
| 0600 | ASP. 1TOA | On-the-Job Training Apprentice at \$5. OO/HR | HRS | 2,000.000 | | 2, 000. 000 | |
| 0610 | ASP. 1T0G | On-the-Job Training Graduate at \$5.00/HR | | 1, 000. 000 | | 1, 000. 000 | |
| 0620 | SPV. 0105 | Special 01. Railing Steel Type W Sta. 17+09 | LS | 1. 000 | | 1. 000 | |
| 0630 | SPV. 0105 | Special 02. Railing Steel Type W Sta. 116+49 | LS | 1. 000 | | 1.000 | |
| 0640 | SPV. 0180 | Special 01. QMP Mill/Pulverize and Relay Compaction | SY | 92, 448. 000 | | 92, 448. 000 | |

| 24+90 64+40 104+80 137+75 139+85 140+20 140+90 162+85 164+05 164+75 166+45 173+20 174+85 174+90 176+20 176+20 178+05 181+55 225+90 229+80 231+60 246+73 | 204.0 REMC ASPH SURF CCATION S' RT 1! LT 1: LT 2 RT 4! LT 6: RT 3: RT 1: RT 1: LT 10 RT 3: RT 2: RT 2: LT 10 RT 3: RT 4: LT 4: RT 4: LT 3: | VING ACE | STATION | SU STATION 0+18.57 17+05.81 18+12.97 116+40 117+58 322+40.54 | 204.0115 EMOVING ASPHALTIC PREACE BUTT JOINTS SY 361 248 248 255 255 312 | 117+58 - 3 10+90.24TL 20+50H - 2 | - 16+05.81 ' - 115+40 322+40.54 | LOCATION CTH E CTH E CTH E | 211.01 PREPA FOUNDA FOR ASPI PAVING (68- LS 0.01 0.08 | ARE ATION PHALTIC 844-00-71) 3 | 211.0400 PREPARE FOUNDATION FOR ASPHALTIC SHOULDERS STA | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|-------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------|------------------------------------------------------------------|---------------------------------------|-------------------------------|----------------------------------------------------------------------------|--------------------------------|------------------------------------------------------------------------|--|
| 24+90 64+40 104+80 137+75 139+85 140+20 140+90 162+85 164+05 164+75 166+45 173+20 174+85 174+90 176+20 176+20 178+05 181+55 225+90 229+80 231+60 246+73 255+15 | RT 19 LT 18 LT 2 RT 44 LT 69 RT 33 RT 19 LT 10 RT 30 RT 29 RT 20 RT 20 RT 20 RT 30 RT 44 LT 20 LT 44 LT 44 LT 44 | | -0+81.43 - 16+05.81 - 17+12.97 - 115+40 - 116+58 - 321+40.54 - | 0+18.57 17+05.81 18+12.97 116+40 117+58 322+40.54 | 361 248 248 255 255 | -0+81.43 - 18+12.97 117+58 - 3 10+90.24TL 20+50H - 2 | - 16+05.81 ' - 115+40 322+40.54 | CTH E CTH E CTH E | 0.01 0.08 | 3 01 | STA 17 | |
| 104+80 137+75 139+85 140+20 140+90 162+85 164+05 164+75 166+45 173+20 174+85 174+90 176+20 176+20 178+05 181+55 225+90 229+80 231+60 246+73 255+15 | LT 2 RT 44 LT 66 RT 55 RT 33 RT 11 RT 19 LT 10 RT 30 RT 22 RT 86 LT 26 LT 11 RT 44 LT 99 LT 44 LT 44 | | 16+05.81 - 17+12.97 - 115+40 - 116+58 - 321+40.54 - | 17+05.81 18+12.97 116+40 117+58 322+40.54 | 248 248 255 255 | -0+81.43 - 18+12.97 117+58 - 3 10+90.24TL 20+50H - 2 | - 16+05.81 ' - 115+40 322+40.54 | CTH E CTH E CTH E | 0.01 0.08 |)1 | 17 | |
| 137+75 139+85 140+20 140+90 162+85 164+05 164+75 166+45 173+20 174+85 174+90 176+20 176+20 178+05 181+55 225+90 229+80 231+60 246+73 255+15 | RT 44 LT 66 RT 55 RT 33 RT 11 RT 11 LT 10 RT 30 RT 22 RT 22 RT 86 LT 26 LT 11 RT 44 LT 99 LT 44 LT 44 LT 44 | | 17+12.97 - 115+40 - 116+58 - 321+40.54 - | 18+12.97 116+40 117+58 322+40.54 | 248 255 255 | 18+12.97 117+58 - 3 10+90.24TL 20+50H - 2 | ' - 115+40 322+40.54 | CTH E CTH E | 0.08 | | | |
| 139+85 140+20 140+90 162+85 164+05 164+75 166+45 173+20 174+85 174+90 176+20 176+20 178+05 181+55 225+90 229+80 231+60 246+73 255+15 | LT 66 RT 55 RT 33 RT 13 RT 19 LT 10 RT 33 RT 25 RT 86 LT 22 LT 11 RT 44 LT 49 LT 44 LT 44 LT 44 LT 44 LT 44 | | 115+40 - 116+58 - 321+40.54 - | 116+40 117+58 322+40.54 | 255 255 | 10+90.24TL 20+50H - 2 | | | <u>.</u> | - | 97 | |
| 140+20 140+90 162+85 164+05 164+75 166+45 173+20 174+85 174+90 176+20 176+20 178+05 181+55 225+90 229+80 231+60 246+73 255+15 | RT 55 RT 33 RT 11 RT 19 LT 10 RT 33 RT 22 RT 86 LT 26 LT 14 LT 14 LT 99 LT 44 LT 44 | 9 | 116+58 - 321+40.54 - | 117+58 322+40.54 | 255 | 20+50H - 2 | 12+00TL | T- 4 / 15 1 1 4 · · / - | 0.16 | 6 | 205 | |
| 140+90 162+85 164+05 164+75 166+45 173+20 174+85 174+90 176+20 176+20 178+05 181+55 225+90 229+80 231+60 246+73 255+15 | RT 33 RT 11 RT 11 LT 10 RT 33 RT 22 RT 86 LT 26 LT 16 RT 44 LT 99 LT 44 LT 44 LT 44 | 9 | 321+40.54 - | 322+40.54 | | | | TWIN LAKE | 0.05 | | 1 | |
| 162+85 164+05 164+75 166+45 173+20 174+85 174+90 176+20 176+20 176+20 178+05 181+55 225+90 229+80 231+60 246+73 255+15 | RT 1: RT 1: LT 10 RT 3: RT 2: RT 8: LT 2: LT 1: LT 1: LT 4: LT 4: LT 44 | 9 | TOTAL PROJEC | CT 6844-00-71 | | | | HOBSON RD | 0.05 | | 1 | |
| 164+75 166+45 173+20 174+85 174+90 176+20 176+20 178+05 181+55 225+90 229+80 231+60 246+73 255+15 | LT 10 RT 31 RT 22 RT 81 LT 24 LT 44 | | TOTAL PROJEC | CT 6844-00-71 | | 30+40CL - 40+60B - 4 | | CRYSTAL LAKE BAGS HILL | 0.05 0.05 | | 1 | |
| 166+45 173+20 174+85 174+90 176+20 176+20 178+05 181+55 225+90 229+80 231+60 246+73 255+15 | RT 33 RT 22 RT 88 LT 26 LT 16 RT 44 LT 99 LT 44 LT 44 | | | | 1,679 | 50+50S - 5 | | SOUTHWOOD | 0.05 | | 1 | |
| 173+20 174+85 174+90 176+20 176+20 178+05 181+55 225+90 229+80 231+60 246+73 255+15 | RT 2: RT 8! LT 2: LT 1: RT 4: LT 9: LT 4: LT 4: LT 4: | | | | | 60+25P - | | PINE COURT | 0.05 | | 1 | |
| 174+85 174+90 176+20 176+20 178+05 181+55 225+90 229+80 231+60 246+73 255+15 | RT 88 LT 22 LT 14 RT 44 LT 99 LT 44 LT 44 | | | | | 70+25E - 7 | 71+52.90E | EVERGREEN | 0.05 | | 1 | |
| 174+90 176+20 176+20 178+05 181+55 225+90 229+80 231+60 246+73 255+15 | LT 2: LT 1: RT 4: LT 9: LT 4: LT 4: | | | | | 81+52.51A | · - 82+25A | ASH | 0.05 | | 1 | |
| 176+20 176+20 178+05 181+55 225+90 229+80 231+60 246+73 255+15 | LT 14 RT 4: LT 9: LT 4: LT 4: | <u> </u> | | | | 90+88.46AK | | AKRON AVE | 0.05 | | 1 | |
| 176+20 178+05 181+55 225+90 229+80 231+60 246+73 255+15 | RT 4: LT 9: LT 4: LT 4: | | DEMOV/IN | | TACE MILLING | | 101+49.19EE | CTH EE | 0.05 | | 1 | |
| 181+55 225+90 229+80 231+60 246+73 255+15 | LT 40 LT 40 | | KEWOVII | IG ASPHALTIC SURF | ACE WILLING | 120+53SLW - 130+40.75L | | SPENCER LAKE LINDEE | 0.05 0.05 | | 1 1 | |
| 225+90 229+80 231+60 246+73 255+15 | LT 4 | | | | 204.0120 | 130+40.75L | | MARION | 0.05 | | 1 | |
| 229+80 231+60 246+73 255+15 | | | | | REMOVING ASPHALTIC | | 151+70.64N | NELSEN | 0.05 | | 1 | |
| 231+60 246+73 I 255+15 I | кı ³ . | | | | SURFACE MILLING | 161+05.67CRW | / - 161+85CRW | CRYSTAL ROAD | 0.029 | 25 | 1 | |
| 246+73 I 255+15 I | | | STATION - STATION | LOCATION | SY | 170+65CRE - 1 | 171+34.16CRE | CRYSTAL ROAD | 0.029 | <u>2</u> 5 | 1 | |
| 255+15 I | RT 4- RT 3 | | 17+05.81 - 17+12.97 | BOX CULVERT | | | | | | | | |
| TOTAL PROJECT 6844-0 | RT 2 | | 116+40 - 116+58 | BRIDGE | 53 | | TOTAL PROJECT 6 | 3844-00-71 | 1 | | 335 | |
| TOTAL PROJECT 6844-0 | | | TOTAL PROJEC | CT 6844-00-71 | 75 | | | | | | | |
| | I-00-71 95 | 3 | | | | | | | 211.01 | 1100 | 211.0400 | |
| | | | | | | | | | PREPA | | PREPARE | |
| | | | | | | | | | FOUNDA | | FOUNDATION | |
| | | | | | | | | | FOR ASPI | HALTIC | FOR ASPHALTIC | |
| | REMOVING | GUARDRAIL | | | | | | | PAVING (68 | • | SHOULDERS | |
| | | 204.0165 | | | | | - STATION C - 171+60LC | LOCATION LIND CENTER RD | LS | | STA 1 | |
| | | REMOVING | | | | 170+62.26LC | , - 171+60LC | LIND CENTER RD | ı | | ı | |
| | | GUARDRAIL | | | | | TOTAL PROJECT 6 | 3844-00-70 | 1 | | 1 | |
| | | OCATION LF | <u> </u> | - | | | | | | | | |
| | 7+02 - 17+18 7+00 - 17+16 | RT 17 LT 16 | | | | | | BASE AGGREGATE | | | | |
| | +22 - 116+75.5 | RT 54 | | | | | | 305.0110 | 305.0120 | 312.0110 | 624.0100 | |
| | 6+22 - 116+75 | LT 54 | | | | | | BASE | BASE | SELECT | WATER* | |
| | | | | | | | | AGGREGATE | AGGREGATE | CRUSHED | WATER | |
| TO | TOTAL PROJECT 6844 | 00-71 141 | | | | | | DENSE | DENSE | MATERIAL | | |
| NOTE: INC | INCLLINES CLIVEDDVI | . AND POSTS OVER EXISTING | 2 OTDI ICTI IDEO | | | | | 3/4-INCH | 1 1/4-INCH | | | |
| NOTE. IN | IINOLUDES GUARDRAI | . AND FUUTO UVER ENDTING | JUNUOTURES | | | STATION - STATION -0+81.43 - 322+40.54 | LOCATION RT & LT | TON 3,174 | TON | TON | MGAL 47.6 | |
| | | | | | | -0+81.43 - 322+40.54 10+90.25TL - 12+00.25TL | RT & LT | 3,174 8 | | | 47.6 0.1 | |
| | | EXCAVATION COMMON | | | | 20+25H - 21+42.07H | RT & LT | 22 | | | 0.3 | |
| | | | | | | 30+40CL - 31+34CL | RT & LT | 7 | | | 0.1 | |
| | | 205.0100 | *** 208.0100 | *** | | 40+61.39B - 41+75.55B | RT & LT | 8 | | | 0.1 | |
| | | EXCAVATION | FILL BORROW | WASTE | | 50+50.60S - 51+92.90S | RT & LT | 10 | | | 0.2 | |
| | | COMMON | | | | 60+25P - 61+70P | RT & LT | 24 | | | 0.4 | |
| ATION - STATION | LOCATION | CY | CY CY | CY | | 70+25E - 71+52.90E 81+52.51A - 82+25A | RT & LT RT & LT | 23 21 | | | 0.3 0.3 | |
| 81.43 - 322+40.54 NDISTRIBUTED | EBS ROADWAY BEHIND C&G | 8619 | 271 353 | 8619 | | 90+88.46AK - 91+84.27AK | RT & LT | 9 | | | 0.3 0.1 | |
| INDUILD | PEI IIIAD CAG | | 211 303 | | | 100+63.80EE - 101+49.19EE | RT & LT | 8 | | | 0.1 | |
| TOTAL PROJECT | T 6844-00-71 | 8,619 | 271 353 | 8,619 | | 120+53SLW - 121+80SLW | RT & LT | 11 | | | 0.2 | |
| | | | | | | 130+40.75L - 131+34L | RT & LT | 8 | | | 0.1 | |
| | | 205.0100 | *** 208.0100 | *** | | 140+41.43M - 141+34M | RT & LT | 7 | | | 0.1 | |
| | | EXCAVATION COMMON | FILL BORROW | WASTE | | 150+72N - 151+70N 161+05.67CRW - 161+83.50CRW | RT & LT RT & LT | 8 7 | | | 0.1 0.1 | |
| TION - STATION | LOCATION | COMMON | CY CY | CY | | 170+64CRE - 171+34.15CRE | RT & LT | , 6 | | | 0.1 | |
| CENTER ROAD | BEHIND C&G | | 23 29 | | | 1+07 | RT | 13 | | | 0. i | |
| | | | | | | 8+90 | RT | 5 | | | | |
| TOTAL PROJECT 6 | | 0 | 23 29 | 0 | | 10+20 | RT | 9 | | | | |
| NFORMATION ONLY | | | | | | | | | | | | |
| ECT NO:6844-0 | | | | | | | | CONTINUED ON NEX | T PAGE | | | |

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| | | C | CONTINUED FROM P | REVIOUS PAGE | | | | | CC | NTINUED FROM PRE | EVIOUS COLUMN | | |
|------|---------------------------------|----------|----------------------------------------------------|------------------------------------------------------|-------------------------------------------|--------------------|----------------------------|-----------------|---------------|-----------------------------------------------|-------------------------------------|-------------------------------|--------------------|
| | | | BASE AGGREGA | TE | | | | | | | | | |
| | | | 305.0110 BASE AGGREGATE DENSE 3/4-INCH | 305.0120 BASE AGGREGATE DENSE 1 1/4-INCH | 312.0110 SELECT CRUSHED MATERIAL | 624.0100 WATER* | | | | BASE AGGREGA 305.0110 BASE AGGREGATE | TE 305.0120 BASE AGGREGATE | 312.0110 SELECT CRUSHED | 624.0100 WATER* |
| | STATION - STATION | LOCATION | TON | TON | TON | MGAL | | | | DENSE | DENSE | MATERIAL | |
| | 15+20 | LT | 4 | | | | | | | 3/4-INCH | 1 1/4-INCH | | |
| | 16+15 18+45 | LT RT | 6 5 | | | | STATION - | | LOCATION | TON | TON | TON | MGAL |
| | 18+85 | LT | 13 | | | | 208 216 | | RT RT | 8 6 | | | |
| | 27+30 | LT | 15 | | | | 220 | | RT | 12 | | | |
| | 28+05 | RT | 4 | | | | 221 | + 50 | LT | 10 | | | |
| | 41+95 47+90 | LT RT | 8 5 | | | | 223 | | RT | 6 | | | |
| | 53+35 | RT | 9 | | | | 224 226 | | LT RT | 9 8 | | | |
| | 54+60 | RT | 10 | | | | 220 141+ | | LT | 10 | | | |
| | 62+95 | LT | 9 | | | | 232 | + 65 | LT | 8 | | | |
| | 72+90 83+15 | RT LT | 21 4 | | | | 233 | | LT | 7 | | | |
| | 83+90 | RT | 3 | | | | 235 236 | | LT LT | 7 1 | | | |
| _ | 84+15 | LT | 4 | | | | 238 | | LT | 6 | | | |
| | 93+50 | LT DT | 10 | | | | 239 | + 70 | LT | 7 | | | |
| | 96+15 96+50 | RT LT | 4 18 | | | | 240 | | LT | 6 | | | |
| | 98+30 | RT | 8 | | | | 242 242 | | RT LT | 18 8 | | | |
| _ | 102+15 | RT | 15 | | | | 244 | | RT | 6 | | | |
| | 103+65 104+00 | LT RT | 7 8 | | | | 244 | +90 | RT | 5 | | | |
| | 110+20 | RT | 9 | | | | 248 | | RT | 8 | | | |
| | 113+95 | LT | 5 | | | | 248 249 | | LT RT | 3 6 | | | |
| _ | 115+15 | RT | 4 | | | | 251 | | RT | 6 | | | |
| | 124+05 125+10 | LT LT | 8 12 | | | | 252 | | RT | 6 | | | |
| | 125+10 | RT | 11 | | | | <u>253</u> 254 | | LT LT | <u>3</u> 8 | | | |
| | 126+85 | LT | 7 | | | | 257 | | RT | 8 | | | |
| _ | 128+50 | RT | 3 | | | | 257 | | LT | 8 | | | |
| | 130+70 132+75 | RT RT | 8 7 | | | | 258 | | LT | 9 | | | |
| | 133+45 | LT | 5 | | | | <u>261</u> 262 | | RT LT | <u>8</u> 5 | | | |
| | 134+15 | RT | 7 | | | | 264 | | RT | 12 | | | |
| | 138+50 | RT | 7 | | | | 264 | | LT | 8 | | | |
| | 60+70P 149+15 | LT RT | 7 2 | | | | 267 | | RT I T | 17 | | | |
| | 150+05 | RT | 2 | | | | 268 273 | | LT | 11 12 | | | |
| | 152+50 | LT | 4 | | | | 285 | | LT | 9 | | | |
| _ | 167+55 168+10 | RT RT | 9 7 | | | | 290 | | RT | 9 | | | |
| | 168+60 | RT | 8 | | | | 296 300 | | LT RT | 9 | | | |
| | 169+35 | RT | 8 | | | | 300 | | LT | 13 | | | |
| | 169+75 | RT | 11 | | | | 309 | +25 | LT | 8 | | | |
| | 169+75 170+65 | LT RT | 10 7 | | | | 311 | | LT | 14 | | | |
| | 170+95 | RT | 3 | | | | 311 320 | | RT RT | 21 13 | | | |
| | 177+00 | RT | 25 | | | | EBS / | | ROADWAY | 4,905 | 18,200 | 25,140 | 347 |
| | 178+30 | RT | 27 | | | | UNDISTE | IBUTED | INTERSECTIONS | | 85 | | 1 |
| | 184+95 185+80 | LT LT | 12 19 | | | | UNDISTE | IBUTED | | 1,077 | 2,000 | | 46 |
| | 192+00 | LT | 8 | | | | | AL PROJECT 684 | 4-00-71 | 10,290 | 20,285 | 25,140 | 444 |
| | 192+00 | RT | 15 | | | | 101 | | | 10,200 | _0,_00 | _0,110 | |
| | 193+70 | LT DT | 6 | | | | | | | 3/4-INCH | 1 1/4-INCH | SELECT | WATER* |
| | 194+20 196+15 | RT LT | <u>8</u> 9 | | | | STATION - | | LOCATION | TON | TON | TON | MGAL |
| | 196+85 | RT | 14 | | | | 170+62.25LC UNDISTF | | RT & LT | 15 3 | 5 | | 0.2 0.1 |
| | 197+90 | LT | 9 | | | | ONDIOTI | | | J | J | | 0.1 |
| | 204+70 206+70 | RT LT | 8 8 | | | | ТОТ | AL PROJECT 684 | 4-00-70 | 18 | 5 | 0 | 0.3 |
| _ | ZU0+1U | LI | 0 | | | | * 4 DDITIONAL OUT | NITITIES LISTED | EI SEWHEDE | | | | |
| | | | | | | | * ADDITIONAL QUA | MAILLIES FISTED | ELSEVVÄEKE | | | | |
| | | | CONTINUED IN N | EXT COLUMN | | | | | | | | | |
| PI | OJECT NO:6844-00- | 70/71 | HWY: C | TH F | | COUNTY: WAUPAC | Δ [| MISCELLAN | IEOUS QUANTI | TIFS | | | s |
| | NAME : P:\11500\$\11520\$\11520 | | 4 | | | | PLOT DATE : 9/30/2013 9:03 | | | PLOT NAME : | | PIOT SCALE : ### | |
| E No | | | | - I COLLY | | | | | | FIUI NAME : | | | |

PULVERIZE AND RELAY

| | 325.0100 PUI VERI Z E | 624.0100 WATER* | SPV.0180.01 OMP PULVERIZE |
|--------------------------|---------------------------------|--------------------|------------------------------|
| | AND RELAY | ** | AND RELAY |
| STATION - STATION | SY | MGAL | SY |
| -0+81.43 - 16+05.81 | 4499 | 31 | 4499 |
| 18+12.97 - 115+40 | 25939 | 182 | 25939 |
| 117+58 - 322+40.54 | 54620 | 382 | 54620 |
| 10+90.24TL - 12+25TL | 485 | 3 | 485 |
| 20+25H - 21+42.07H | 352 | 2 | 352 |
| 30+40CL - 31+75CL | 487 | 3 | 487 |
| 40+25B - 41+75.59B | 491 | 3 | 491 |
| 50+25S - 51+92.98S | 536 | 4 | 536 |
| 60+25P - 61+70P | 439 | 3 | 439 |
| 70+25E - 71+52.90E | 415 | 3 | 415 |
| 81+52.51A - 82+25A | 292 | 2 | 292 |
| 90+88.46AK - 92+25AK | 481 | 3 | 481 |
| 100+25EE - 101+49.19EE | 472 | 3 | 472 |
| 120+53SLW - 122+15SLW | 601 | 4 | 601 |
| 130+40.75L - 131+70L | 460 | 3 | 460 |
| 140+41.43M - 141+70M | 490 | 3 | 490 |
| 150+25N - 151+70.64N | 505 | 4 | 505 |
| 161+05.67CRW - 162+25CRW | 472 | 3 | 472 |
| 170+25CRE - 171+34.16CRE | 411 | 3 | 411 |
| TOTAL PROJECT 6844-00-71 | 92448 | 647 | 92448 |

^{*} ADDITIONAL QUANTITIES LISTED ELSEWHERE

CONCRETE DRIVEWAYS

416.0160 CONCRETE DRIVEWAY 6-INCH STATION LOCATION SY 71+05E RT 14 RT 178+02 11 255+15 RT 21 TOTAL PROJECT 6844-00-71

HMA PAVEMENT

| | | 455.0105 ASPHALTIC MATERIAL | 455.0605 TACK* COAT | 460.1101 HMA PAVEMENT |
|-----------------------------|-----------|-----------------------------------|---------------------------|-----------------------------|
| STATION - STATION | THICKNESS | PG58-28 TON | GAL | TYPE E-1 TON |
| -0+81.43 - 322+40.54 | 4.5 | 1,510 | 5,396 | 27,438 |
| 10+90.24TL - 11+69.53TL | 2 | 2 | 12 | 26 |
| 11+69.53TL - 12+40TL | 4.5 | 6 | 21 | 103 |
| 20+16H - 21+42.07H | 2 | 4 | 27 | 60 |
| 30+40.07CL - 31+14.56CL | 2 | 2 | 11 | 25 |
| 31+14.56CL - 31+75CL | 4.5 | 5 | 18 | 89 |
| 40+22B - 40+91.68B | 4.5 | 6 | 19 | 97 |
| 40+91.68B - 41+75.59B | 2 | 2 | 12 | 27 |
| 50+22S - 50+94.15S | 4.5 | 6 | 19 | 97 |
| 50+94.15S - 51+92.98S | 2 | 2 | 13 | 28 |
| 60+22P - 61+70P | 2 | 8 | 28 | 141 |
| 70+16E - 71+52.90E | 2 | 8 | 29 | 143 |
| 81+52.51A - 82+30A | 2 | 6 | 20 | 102 |
| 90+88.46AK - 91+64.65AK | 2 | 3 | 11 | 53 |
| 91+64.65AK - 92+25AK | 4.5 | 5 | 18 | 89 |
| 100+22EE - 100+87.45EE | 4.5 | 6 | 18 | 91 |
| 100+87.45EE - 101+49.19EE | 2 | 3 | 9 | 45 |
| 120+53.00SLW - 121+72.57SLW | 2 | 5 | 16 | 81 |
| 121+72.57SLW - 122+25SLW | 4.5 | 5 | 16 | 78 |
| 130+40.75L - 131+20.75L | 2 | 4 | 12 | 59 |
| 131+20.75L - 131+75L | 4.5 | 5 | 16 | 80 |
| 140+41.43M - 141+21.43M | 2 | 4 | 13 | 65 |
| 141+21.43M - 141+75M | 4.5 | 5 | 16 | 79 |
| 150+22N - 150+79.37N | 4.5 | 5 | 17 | 83 |
| 150+79.37N - 151+70.64N | 2 | 4 | 13 | 65 |
| 161+05.67CRW - 161+70.97CRW | 2 | 3 | 10 | 49 |
| 161+70.97CRW - 162+25CRW | 4.5 | 5 | 16 | 78 |
| 170+22CRE - 170+80.61CRE | 4.5 | 5 | 16 | 80 |
| 170+80.61CRE - 171+34.16CRE | 2 | 3 | 8 | 41 |
| TOTAL PROJECT 6844 | 1-00-71 | 1,637 | 5,850 | 29,492 |
| | | 1,001 | 0,000 | 20, 102 |
| | | MATERIAL | TACK | HMA |
| STATION - STATION | THICKNESS | TON | GAL | TON |
| 170+62.26LC - 171+20.77LC | 2 | 2 | 9 | 21 |
| 171+20.77LC - 171+90LC | 4.5 | 6 | 19 | 93 |
| TOTAL PROJECT 6844 | 1-00-70 | 8 | 28 | 114 |

ASPHALTIC DRIVEWAYS

| 465.0120 | |
|-----------|--|
| ASPHALTIC | |
| SURFACE | |
| DRIVEWAYS | |
| AND FIELD | |
| ENTRANCES | |

| | | ANDTILLD |
|-------------------|----------|-----------|
| | | ENTRANCES |
| STATION | LOCATION | TON |
| 24+90 | RT | 1 |
| 64+40 | LT | 1 |
| 104+80 | LT | 2 |
| 137+75 | RT | 3 |
| 139+85 | LT | 5 |
| 140+20 | RT | 4 |
| 140+90 | RT | 1 |
| 162+85 | RT | 2 |
| 164+05 | RT | 3 |
| 164+75 | LT | 7 |
| 166+45 | RT | 3 |
| 173+20 | RT | 2 |
| 174+85 | RT | 8 |
| 174+90 | LT | 3 |
| 176+20 | LT | 2 |
| 176+20 | RT | 5 |
| 178+05 | LT | 9 |
| 181+55 | LT | 2 |
| 225+90 | LT | 3 |
| 229+80 | RT | 3 |
| 231+60 | RT | 4 |
| 246+73 | RT | 4 |
| 255+15 | RT | 1 |
| | | |
| TOTAL PROJECT 684 | 14-00-71 | 78 |
| | | |

*TACK COAT CALCULATED USING 0.05 GAL/SY.

COUNTY: WAUPACA HWY: CTH E MISCELLANEOUS QUANTITIES SHEET PROJECT NO:6844-00-70/71

PLOT NAME :

PLOT SCALE : ********

^{**}RATE OF 7 GALS/SY OF 8" THICK PULVERIZED MATERIAL

CONCRETE CURB & GUTTER

| | CONCRE | TE CORB & GUTTER | |
|--------------------------|----------|--------------------------------------------------------------------------|-------------------------------------------------------------|
| | | 601.0557 CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D | 650.5500 CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER |
| STATION - STATION | LOCATION | LF | LF |
| 12+01.39TL - 0+19.68 | RT | 70 | 70 |
| 11+69.53TL - 1+67.05 | LT | 96 | 96 |
| 31+35.46CL - 54+05.43 | RT | 71 | 71 |
| 31+14.56CL - 55+44.09 | LT | 86 | 86 |
| 66+71.68 - 40+91.68B | RT | 93 | 93 |
| 68+10.05 - 40+60.94B | LT | 66 | 66 |
| 134+62.48 - 50+50.19S | RT | 66 | 66 |
| 135+92.13 - 50+94.15\$ | LT | 73 | 73 |
| 91+64.65AK - 161+79.01 | RT | 72 | 72 |
| 91+84.82AK - 163+17.24 | LT | 83 | 83 |
| 162+73.79 - 164+34.60 | RT | 161 | 161 |
| 164+34.60 - 100+63.29EE | RT | 81 | 81 |
| 165+73.46 - 100+87.45EE | LT | 73 | 73 |
| 121+72.57SLW - 189+53.02 | RT | 68 | 68 |
| 121+80.89SLW - 190+82.86 | LT | 85 | 85 |
| 131+35.89L - 222+85.72 | RT | 61 | 61 |
| 131+20.75L - 224+15.06 | LT | 89 | 89 |
| 141+35.34M - 229+94.55 | RT | 61 | 61 |
| 141+21.43M - 231+23.75 | LT | 88 | 88 |
| 240+29.63 - 150+79.37N | RT | 85 | 85 |
| 241+64.87 - 150+69.88N | LT | 74 | 74 |
| 161+70.97CRW - 277+47.67 | RT | 64 | 64 |
| 161+84.74CRW - 278+78.78 | LT | 82 | 82 |
| 277+69.92 - 170+63.24CRE | RT | 80 | 80 |
| 279+01.45 - 170+80.61CRE | LT | 65 | 65 |
| TOTAL PROJECT 6844 | 4-00-71 | 1,993 | 1,993 |
| | | 6-INCH SLOPED 36-INCH TYPE D | STAKING CURB & GUTTER |
| STATION - STATION | LOCATION | <u>LF</u> | LF |
| 171+20.77LC - 315+19.17 | LT | 96 | 96 |
| 171+60.19LC - 316+38.45 | RT | 52 | 52 |

148

148

TOTAL PROJECT 6844-00-70

ROADWAY BARRIERS

| | | 614.0200 STEEL THRIE BEAM STRUCTURE APPROACH | 614.0370 STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL | 614.2300 MGS GUARDRAIL 3 | 614.2500 MGS THRIE BEAM TRANSITION | 614.2610 MGS GUARDRAIL TERMINAL EAT |
|--------------------|---------------|----------------------------------------------------------|-----------------------------------------------------------------------|-----------------------------------|------------------------------------------------|-------------------------------------------------|
| STATION - STATIO | N LOCATION | LF | EACH | LF | LF | EACH |
| 15+91.16 - 16+44.7 | '4 RT | | | | | 1 |
| 16+44.74 - 16+70.0 |)2 RT | | | 25 | | |
| 16+70.02 - 17+07.9 | 00 RT | | | | 37.5 | |
| 16+37.79 - 16+87.2 | 29 LT | | 1 | | | |
| 16+87.29 - 17+06.4 | 16 LT | 18.75 | | | | |
| 17+10.57 - 17+47.7 | '0 LT | | | | 37.5 | |
| 17+47.70 - 17+75.2 | 23 LT | | | 25 | | |
| 17+75.23 - 18+25.0 |)3 LT | | | | | 1 |
| 17+12.25 - 17+50.1 | 3 RT | | | | 37.5 | |
| 17+50.13 - 17+78.2 | 22 RT | | | 25 | | |
| 17+78.22 - 18+29.0 |)8 RT | | | | | 1 |
| 115+13.67 - 115+63 | .98 LT | | | | | 1 |
| 115+63.98 - 116+04 | .30 LT | | | 37.5 | | |
| 116+04.30 - 116+41 | .80 LT | | | | 37.5 | |
| 115+72.87 - 116+22 | .87 RT | | 1 | | | |
| 116+22.87 - 116+41 | .62 RT | 18.75 | | | | |
| 116+56.51 - 116+94 | .01 RT | | | | 37.5 | |
| 116+94.01 - 117+34 | .32 RT | | | 37.5 | | |
| 117+34.32 - 117+84 | .63 RT | | | | | 1 |
| 116+55.94 - 116+93 | .44 LT | | | | 37.5 | |
| 116+93.44 - 117+33 | .76 LT | | | 37.5 | | |
| 117+33.76 - 117+84 | .07 LT | | | | | 1 |
| TOTAL PROJE | CT 6844-00-71 | 37.5 | 2 | 187.5 | 225 | 6 |

FINISHING ITEMS

| | | 625.0100 | 629.0210 | 630.0120 | 630.0200 | 624.0100 |
|------------------------------------------|---------------------|---------------------|-----------------------------|-----------------------------------|---------------------------------|-----------------|
| | | TOPSOIL | FERTILIZER | SEEDING | SEEDING | WATER* |
| | | | TYPE B | MIXTURE | TEMPORARY | |
| | | | | NO 20 | | |
| STATION - STATION | LOCATION | SY | CWT | LB | LB | MGAL |
| -0+81.43 - 322+41 | LT & RT | | 9.05 | 388 | 388 | 323 |
| INTERSECTIONS | BEHIND C&G | 2,240 | 1.41 | 60 | 60 | 50 |
| UNDISTRIBUTED | | 560 | 2.62 | 112 | 112 | 93 |
| TOTAL PROJECT 68 | 44-00-71 | 2,800 | 13.08 | 560 | 560 | 466 |
| | | | | | | |
| | | 625.0100 | 629.0210 | 630.0120 | 630.0200 | |
| | | 625.0100 TOPSOIL | FERTILIZER | SEEDING | SEEDING | |
| | | | | | | |
| STATION - STATION | LOCATION | | FERTILIZER | SEEDING MIXTURE | SEEDING | |
| STATION - STATION 170+62LC - 171+62LC | LOCATION LT & RT | TOPSOIL | FERTILIZER TYPE B | SEEDING MIXTURE NO 20 | SEEDING TEMPORARY | WATER* |
| | | TOPSOIL | FERTILIZER TYPE B CWT | SEEDING MIXTURE NO 20 LB | SEEDING TEMPORARY LB | |
| 170+62LC - 171+62LC | LT & RT | TOPSOIL SY | FERTILIZER TYPE B CWT 0.04 | SEEDING MIXTURE NO 20 LB | SEEDING TEMPORARY LB 2 | WATER* MGAL 1 |

^{*} ADDITIONAL QUANTITIES LISTED ELSEWHERE

PROJECT NO:6844-00-70/71 HWY: CTH E COUNTY: WAUPACA MISCELLANEOUS QUANTITIES SHEET E

| - 22 | 4 | | ١ |
|------|---|---|---|
| - 21 | - | ٠ | |
| | | А | F |
| - 33 | _ | | |
| | | | |

| _ | | | | | | | | | PERMANE | NT SIGNS | | | |
|------------------------------------------------------|------------|-------------------------|--------------|-------------|---------------------|------------------|----------|-----------------|------------------------|------------------------------|------------------------------|------------------------------------|------------------------------------|
| | | | | | | | | | | 637.2210 SIGNS TYPE II | 637.2230 SIGNS TYPE II | 634.0612 POSTS WOOD 4X6-INCH | 634.0614 POSTS WOOD 4X6-INCH |
| EROSIO | ON CONTROL | | | | | | | | | REFLECTIVE H | REFLECTIVE F | X 12-FT | X 14-FT |
| | | 628.2004 | | | NUMBER | STATION | LOCATION | CODE | SIZE | SF | SF | EACH | EACH |
| | | EROSION MAT | 628.1504 | 628.1520 | 0-01 | -5+57 | RT | W2-2 | 30" X 30" | | 6.25 | | 1 |
| | | CLASS I | SILT FENCE | SILT FENCE | 0-02 | -4+57 | RT | W1-2L | 30" X 30" | | 6.25 | | 1 |
| | | TYPE B | | MAINTENANCE | 0-03 | -4+57 | RT | W13-1 | 18" X 18" | E 40 | 2.25 | | |
| STATION - STATION | LOCATION | SY | LF | <u>LF</u> | 1-01 1-02 | 12+12TL 1+40 | RT RT | R1-1 I2-2 | 30" X 30" 66" X 15" | 5.18 6.875 | | | 1 |
| 12+01.39TL - 0+19.68 | RT | 62 | 90 | 90 | 1-02 | 1+40 | RT | M1-5-A | 24" X 24" | 4.00 | | | |
| 11+69.53TL - 1+67.05 | LT | 85 | 120 | 120 | 1-04 | 5+00 | LT | W1-2R | 30" X 30" | | 6.25 | | 1 |
| 31+35.46CL - 54+05.43 31+14.56CL - 55+44.09 | RT LT | 63 76 | 100 110 | 100 110 | 1-05 | 5+00 | LT | W13-1 | 18" X 18" | | 2.25 | | |
| 66+71.68 - 40+91.68B | RT | 83 | 120 | 120 | 1-06 | 6+00 | LT | W2-2 | 30" X 30" | | 6.25 | | 1 |
| 68+10.05 - 40+60.94B | LT | 59 | 90 | 90 | 1-07 | 13+50 | RT | W1-4R | 30" X 30" | | 6.25 | | 1 |
| 134+62.48 - 50+50.19S | RT | 59 | 90 | 90 | 1-08 | 17+00 | LT | W5-52L | 12" X 36" | 3.00 | | 1 | |
| 135+92.13 - 50+94.15S | LT | 65 | 100 | 100 | 1-09 | 17+00 | RT | W5-52R | 12" X 36" | 3.00 | | 1 | |
| 91+64.65AK - 161+79.01 | RT | 64 | 100 | 100 | 1-10 | 17+09 | RT | W5-52L | 12" X 36" | 3.00 | | 1 | |
| 91+84.82AK - 163+17.24 | LT | 74 | 110 | 110 | 1-11 2-01 | 17+09 36+50 | LT LT | W5-52R W1-4R | 12" X 36" 30" X 30" | 3.00 | 6.25 | | |
| 162+73.79 - 164+34.60 | RT | 143 | 190 | 190 | 2-01 | 38+50 | RT | W2-2 | 30" X 30" | | 6.25 | | 1 |
| 164+34.60 - 100+63.29EE | RT | 72 65 | 110 | 110 | 2-03 | 20+55 | LT | R1-1 | 30" X 30" | 5.18 | | | 1 |
| 165+73.46 - 100+87.45EE 121+72.57SLW - 189+53.02 | LT RT | 65 60 | 100 90 | 100 90 | 2-04 | 45+75 | LT | W2-2 | 30" X 30" | | 6.25 | | 1 |
| 121+80.89SLW - 190+82.86 | LT | 76 | 110 | 110 | 2-05 | 50+25 | RT | W2-2 | 30" X 30" | | 6.25 | | 1 |
| 131+35.89L - 222+85.72 | RT | 54 | 90 | 90 | 2-06 | 31+45CL | RT | R1-1 | 30" X 30" | 5.18 | | | 1 |
| 131+20.75L - 224+15.06 | LT | 79 | 110 | 110 | 2-07 | 58+50 | LT | W2-2 | 30" X 30" | | 6.25 | | 1 |
| 141+35.34M - 229+94.55 | RT | 54 | 90 | 90 | 3-01 | 62+50 | RT | W14-3 | 48" X 36" | E 40 | 6 | | 1 |
| 141+21.43M - 231+23.75 | LT | 78 | 110 | 110 | 3-02 3-03 | 40+50B 84+50 | LT LT | R1-1 W14-3 | 30" X 30" 48" X 36" | 5.18 | 6 | | 1 1 |
| 240+29.63 - 150+79.37N | RT | 76 | 110 | 110 | 4-01 | 116+40 | LT | W5-52L | 12" X 36" | 3 | | 1 | |
| 241+64.87 - 150+69.88N 161+70.97CRW - 277+47.67 | LT RT | 66 57 | 100 90 | 100 90 | 4-02 | 116+40 | RT | W5-52R | 12" X 36" | 3 | | <u>.</u> 1 | |
| 161+70.97CRW - 277+47.67 161+84.74CRW - 278+78.78 | KI LT | 57 73 | 90 110 | 90 110 | 4-03 | 116+60 | RT | W5-52L | 12" X 36" | 3 | | 1 | |
| 277+69.92 - 170+63.24CRE | RT | 73 71 | 100 | 100 | 4-04 | 116+60 | LT | W5-52R | 12" X 36" | 3 | | 1 | |
| 279+01.45 - 170+80.61CRE | LT | 58 | 90 | 90 | 4-05 | 118+25 | RT | W1-2R | 30" X 30" | | 6.25 | | 1 |
| | | | | | 4-06 | 118+25 | RT | W13-1 | 18" X 18" | | 2.25 | | |
| TOTAL PROJECT 684 | 14-00-71 | 1,772 | 2,630 | 2,630 | 5-01 5-02 | 122+25 122+30 | RT LT | S3-1 W1-8 | 30" X 30" 18" X 24" | 6.25 | 3 | | 1 |
| | | | | | 5-02 | 122+30 | LT | W1-8 | 18" X 24" | | 3 | | |
| | | 000 0004 | | | 5-04 | 123+55 | LT | W1-8 | 18" X 24" | | 3 | 1 | |
| | | 628.2004 EROSION MAT | 628.1504 | 628.1520 | 5-05 | 123+55 | LT | W1-8 | 18" X 24" | | 3 | | |
| | | CLASS I | SILT FENCE | SILT FENCE | 5-06 | 124+80 | LT | W1-8 | 18" X 24" | | 3 | 1 | |
| | | TYPE B | 0.21 . 2.102 | MAINTENANCE | 5-07 | 124+80 | LT | W1-8 | 18" X 24" | | 3 | | |
| STATION - STATION | LOCATION | SY | LF | LF | 5-08 | 126+00 | LT | W1-8 | 18" X 24" | | 3 | 1 | |
| 171+20.77LC - 315+19.17 | LT | 85 | 120 | 120 | 5-09 | 126+00 | LT | W1-8 | 18" X 24" | | 3 | | |
| 171+60.19LC - 316+38.45 | RT | 46 | 80 | 80 | <u>5-10</u> 5-11 | 126+15 127+00 | RT LT | W1-6 W1-6 | 30" X 30" 30" X 30" | 6.25 6.25 | | | 1 |
| TOTAL BEGINST | 44.00.70 | 100 | 200 | | 5-11 5-12 | 129+70 | LT | W1-8 W1-2L | 30" X 30" | 6.25 | 6.25 | | 1 |
| TOTAL PROJECT 684 | 14-00-70 | 132 | 200 | 200 | 5-13 | 129+70 | LT | W13-1 | 18" X 18" | | 2.25 | | · |
| | | | | | 5-14 | 131+00 | RT | W1-10L | 30" X 30" | | 6.25 | | 1 |
| | | | | | 5-15 | 131+00 | RT | W13-1 | 18" X 18" | | 2.25 | | |
| | | | | | 5-16 | 133+00 | LT | S3-1 | 30" X 30" | 6.25 | | | 1 |
| | | | | | 5-17 | 50+90S | LT | R1-1 | 30" X 30" | 5.18 | | | 1 |
| | | | | | 5-18 5-10 | 136+35 | RT | W1-8 | 18" X 24" | | 3 | 1 | |
| | | | | | 5-19 5-20 | 136+35 137+25 | RT RT | W1-8 R3-7R | 18" X 24" 30" X 30" | 6.25 | 3 | | |
| | | | | | 5-20 5-21 | 137+25 | RT | W1-8 | 18" X 24" | 6.25 | 3 | 1 | 1 |
| | | | | | 5-21 5-22 | 137+60 | RT | W1-8 | 18" X 24" | | 3 | | |
| | | | | | 5-23 | 138+85 | RT | W1-8 | 18" X 24" | | 3 | 1 | |
| | | | | | 5-24 | 138+85 | RT | W1-8 | 18" X 24" | | 3 | | |
| | | | | | 5-25 | 141+90 | RT | R3-7R | 30" X 30" | 6.25 | | | 1 |
| | | | | | 5-26 | 143+00 | LT | W1-10R | 30" X 30" | | 6.25 | | 1 |
| | | | | | 5-27 | 143+00 | LT | W13-1 | 18" X 18" | | 2.25 | | |
| | | | | | 5-28 | 60+75P | RT | W14-1 | 30" X 30" | E 40 | 6.25 | | 1 |
| | | | | | 5-29 5-30 | 60+50P 145+50 | LT RT | R1-1 W1-2R | 30" X 30" 30" X 30" | 5.18 | 6.25 | | 1 |
| | | | | | 5-30 5-31 | 145+50 | RT | W13-1 | 18" X 18" | | 2.25 | | <u> </u> |
| | | | | | 5-32 | 149+85 | LT | W1-8 | 18" X 24" | | 3 | 1 | |
| | | | | | 5-33 | 149+85 | LT | W1-8 | 18" X 24" | | 3 | | |
| | | | | | 6-01 | 150+95 | LT | W1-8 | 18" X 24" | | 3 | 1 | |
| | | | | | 6-02 | 150+95 | LT | W1-8 | 18" X 24" | | 3 | | |
| | | | | | | | | | CONTINUE | ON NEXT PAGE | | | |
| | | | | | | | | | | | | | |

FILE NAME : P:\11500S\11520S\11522\11522005\CADD\SHEETSOTHER\030201_MQ.DWG

PLOT DATE: 9/30/2013 9:03 AM

PLOT BY : BOBBI MAXWELL

PLOT NAME :

PLOT SCALE : *******

| Name | | | | | PERMANE | NT SIGNS | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------|----|---------|-----------|----------------------------------|----------------------------------|----------------------------------|-----------------------------------|
| 6-03 151+95 LT WH-8 18*X24* 3 1 6-05 1512+95 LT WH-8 18*X24* 3 1 6-05 1512+95 LT WH-8 18*X24* 3 1 6-06 1512+95 LT WH-8 18*X24* 3 1 6-06 1512+95 LT WH-8 18*X24* 3 1 6-07 1514+95 LT WH-8 18*X24* 3 1 6-08 1514+95 LT WH-8 18*X24* 3 1 6-09 1514+95 LT WH-8 18*X24* 3 1 6-09 1514+95 LT WH-8 18*X24* 3 1 6-09 1514+95 LT WH-8 18*X24* 3 1 9 9 1 1 6-09 1514+95 LT WH-8 18*X24* 3 1 9 9 1 1 6-09 1514+95 LT WH-9 18*X24* 3 1 9 9 1 1 6-09 1514+95 LT WH-1 30*X307 5.18 9 9 1 1 6-11 1574-95 LT WH-1 30*X307 5.18 9 9 1 1 6-12 1574-95 LT WH-1 31*18* 2.25 1 1 6-12 1574-95 LT WH-1 31*18* 6 2.25 1 1 6-13 1584-93 RT WH-1 30*X307 5.18 6 2.25 1 1 6-15 1584-93 RT WH-1 30*X307 5.18 6 9 1 1 6-15 1584-93 RT WH-1 30*X307 5.18 6 6.25 1 1 6-15 1584-93 RT WH-1 30*X307 5.18 6 6 1 1 6-15 169-93 RT WH-1 30*X307 5.18 6 1 1 6-15 169-93 RT WH-1 30*X307 5.18 1 6-19 163-75 LT WH-1 30*X307 5.18 1 6-19 163-75 LT WH-1 20*X307 5 1 6-22 168-40 LT WH-1 20*X307 5 | | | | | | SIGNS TYPE II REFLECTIVE H | SIGNS TYPE II REFLECTIVE F | POSTS WOOD 4X6-INCH X12-FT | POSTS WOOD 4X6-INCH X 14-FT |
| 6-04 151-95 LT W1-8 18' X24' — 3 1 6-06 152-95 LT W1-8 18' X24' — 3 1 6-06 152-95 LT W1-8 18' X24' — 3 1 6-07 154-95 LT W1-8 18' X24' — 3 1 6-08 154-95 LT W1-8 18' X24' — 3 1 6-09 154-95 LT W1-8 18' X24' — 3 6-09 154-95 LT W1-8 18' X24' — 3 6-10 170-90E LT W1-8 18' X24' — 3 6-10 70'-90E LT W1-8 18' X24' — 3 6-10 70'-90E LT W1-2 30' X30' — 6 6-11 157-50 LT W1-2 30' X30' — 6 6-12 157-70 LT W1-2 30' X30' — 6 6-12 157-70 LT W1-2 30' X30' — 6 6-13 154-95 LT W1-2 30' X30' — 6 6-14 157-50 LT W1-2 30' X30' — 6 6-15 159-85 RT W1-2 30' X30' — 6 6-16 16 160-90 RT R24 24' X30' 5 6-17 160-90 LT R24 24' X30' 5 6-18 194-90 LT R24 24' X30' 5 6-19 163-75 LT J4-1 24' X36' 6 6-10 164-35 RT J1-1 30' X30' 5.18 6-10 164-43 RT J1-1 30' X30' 5.18 6-10 165-40 LT J4-1 30' X30' 5.18 6-21 160-76E LT W1-1 30' X30' 5.18 6-22 166-40 LT J3-1 42' X36' 7.5 6-23 167-00 RT W1-1 24' X45' 7.5 6-24 167-00 RT W1-1 30' X30' 5.18 6-25 6-26 167-30 RT W1-1 30' X30' 5.18 6-27 173-60 RT W1-1 30' X30' 5.18 6-28 167-00 RT W1-1 30' X30' 5.18 6-29 168-40 LT J3-2 44' X45' 7.5 6-20 168-40 LT W1-2 30' X30' 6-22 168-40 RT W1-2 30' X30' 6-23 167-00 RT W1-1 30' X30' 5.18 6-24 167-00 RT W1-1 30' X30' 5.18 6-25 167-30 RT W1-1 30' X30' 5.18 6-26 169-40 RT W1-1 30' X30' 5.18 6-27 173-60 RT W1-1 30' X30' 5.18 6-28 167-30 RT W1-1 30' X30' 5.18 6-29 169-40 RT W1-1 30' X30' 5.18 6-20 168-40 RT W1-1 30' X30' 5.18 6-21 169-20 RT W1-1 30' X30' 5.18 6-22 169-40 RT W1-1 30' X30' 5.18 6-23 167-00 RT W1-1 30' X30' 5.18 6-24 169-40 RT W1-1 30' X30' 5.18 6-25 6-26 167-30 RT W1-1 30' X30' 5.18 6-27 173-60 RT W1-1 30' X30' 5.18 6-28 169-40 RT W1-1 30' X30' 5.18 6-29 169-40 RT W1-1 30' X30' 5.18 6-20 168-40 RT W1-1 30' X30' 5.18 6-2 | | | | | | | | | |
| 6-06 152-95 LT W1-8 18° X24° 3 1 | | | | | | | | 1 | |
| 6-06 | | | | | | | | | |
| 6-07 | | | | | | | | 1 | |
| 6-68 | | 152+95 | | | | | | | |
| 6-09 154-50 RT W3-5 38 X36' 9 1 6-10 70-60E LT R1-1 30 X30' 5.18 1 6-11 157-50 LT W1-2. 30 X30' 6.25 1 6-12 157-50 LT W1-3-1 18 X18' 2.25 1 6-13 158-20 RT JI-1 24 X39' 6.5 1 6-14 81+90A RT R1-1 30 X30' 5.18 1 6-15 159-85 RT W1-2. 30 X30' 5.18 1 6-16 160-90 RT R2-1 24 X30' 5 1 6-17 180-90 LT R2-1 24 X30' 5 1 6-18 91+90AK RT R1-1 30 X30' 5.18 1 6-19 163-75 LT W1-1 24 X30' 5 1 6-19 163-75 LT W1-1 30 X30' 5.18 1 6-19 163-75 LT W1-1 30 X30' 5.18 1 6-19 163-75 LT W1-1 30 X30' 5.18 1 6-10 160-90 RT R2-1 24 X30' 5 1 6-11 100-75EE LT R1-1 30 X30' 5.18 1 6-20 164-35 RT J1-2 1 24 X45' 7.5 1 6-21 100-75EE LT R1-1 30 X30' 5.18 1 6-22 166-40 LT J1-2 24 X45' 7.5 1 6-23 167-00 RT W11-2 30 X30' 5.18 1 6-24 167-00 RT W11-2 30 X30' 5.18 1 6-25 167-90 RT W11-1 12 24 X30' 5 6 1 6-26 170-40 LT J1-1 24 X30' 5 6 1 6-27 173-25 LT W11-2 30 X30' 5.18 1 6-28 173-80 RT W11-2 30 X30' 5.18 1 6-29 180-20 LT W11-1 12 30 X30' 5.18 1 6-20 180-20 LT W11-1 12 30 X30' 5.18 1 6-20 180-20 LT W11-2 30 X30' 5 6.25 1 6-26 170-40 LT J1-1 24 X30' 6 6.5 1 6-27 173-25 LT W11-2 30 X30' 5 6.25 1 6-29 180-20 LT W11-1 30 X30' 5 6.25 1 6-29 180-20 LT W11-2 30 X30' 5 6.25 1 6-29 180-20 LT W11-2 30 X30' 5 6.25 1 6-20 180-20 LT W11-2 30 X30' 5 6.25 1 6-20 180-20 LT W11-2 30 X30' 5 6.25 1 6-20 180-20 LT W11-2 30 X30' 5 6.25 1 6-20 180-20 LT W11-2 30 X30' 5 6.25 1 6-20 180-20 LT W11-2 30 X30' 5 6.25 1 6-20 180-20 LT W11-2 30 X30' 5 6.25 1 6-20 180-20 LT W11-2 30 X30' 5 6.25 1 6-20 180-20 LT W11-2 30 X30' 5 6.25 1 6-20 180-20 LT W11-2 30 X30' 5 6.25 1 6-20 180-20 LT W11-2 30 X30' 5 6.25 1 6-20 180-20 LT W11-2 30 X30' 5 6.25 1 6-20 180-20 LT W13-3 48 X30' 5 6.25 1 6-20 180-20 LT W13-3 48 X30' 5 6.25 1 6-20 180-20 LT W13-3 48 X30' 5 6.25 1 6-20 180-20 LT W13-3 48 X30' 5 - | | | | | | | | 1 | |
| 6-10 70+50E LT R1-1 307 X30" 5.18 — — 1 6-12 157+50 LT W13-1 18" X18" — 2.25 — — 1 6-13 158+20 RT J1-1 24" X39" 6.5 — — 1 6-14 81+90A RT R1-1 307 X30" 5.18 — — 2.25 — — 1 6-15 159+85 RT W1-L 307 X30" 5.18 — — 1 6-16 150+90 RT R2-1 24" X30" 5.18 — — 1 6-17 160+90 LT R2-1 24" X30" 5. — — 1 6-18 191+80-XK RT R1-1 307 X30" 5.18 — — 1 6-18 191+80-XK RT R2-1 24" X30" 5. — — 1 6-19 163+75 LT J4-1 24" X36" 6. — — 1 6-19 163+75 LT J4-1 24" X36" 6. — — 1 6-20 164+35 RT J2-1 24" X36" 6. — — 1 6-21 100+75EE LT R1-1 307 X30" 5.18 — — 1 6-22 165+40 LT J32-1 24" X45" 7.5 — — 1 6-23 167+00 RT W11-2 30" X30" 5.18 — — 1 6-24 167+00 RT W11-2 30" X30" — 6.25 — 1 6-25 167+90 RT J4-1 24" X36" 6. — — 1 6-26 170+40 LT J1-1 24" X36" 6. — — 1 6-26 170+40 LT W11-2 30" X30" — 6.25 — — 1 6-27 173+25 LT W11-2 30" X30" — 6.25 — 1 6-28 173+60 RT W11-2 30" X30" — 6.25 — 1 6-29 180+20 LT W11-2 30" X30" — 6.25 — 1 6-29 180+20 LT W11-2 30" X30" — 6.25 — 1 6-20 180+20 LT W11-2 30" X30" — 6.25 — 1 6-20 180+20 LT W11-2 30" X30" — 6.25 — 1 6-20 180+20 LT W11-2 30" X30" — 6.25 — 1 6-20 180+20 LT W11-2 30" X30" — 6.25 — 1 6-20 180+20 LT W11-2 30" X30" — 6.25 — 1 6-20 180+20 LT W13-1 18" X18" — 2.25 — — 1 6-20 180+20 LT W13-1 18" X18" — 2.25 — — 1 6-20 180+20 LT W13-1 18" X18" — 2.25 — — 1 6-20 180+20 LT W13-1 18" X18" — 2.25 — — 1 6-20 180+20 LT W13-1 18" X18" — 2.25 — — 1 6-20 180+20 LT W13-1 18" X18" — 2.25 — — 1 6-20 180+20 LT W13-1 18" X18" — 2.25 — — 1 6-20 180+20 LT W13-1 18" X18" — 2.25 — — 1 6-20 180+20 LT W13-1 18" X18" — 2.25 — — 1 6-20 180+20 LT W13-1 18" X18" — 2.25 — — 1 6-20 180+20 LT W13-1 18" X18" — 2.25 — — 1 6-20 180+20 LT W13-1 18" X18" — 2.25 — — 1 6-20 180+20 LT W13-1 18" X18" — 2.25 — — 1 6-20 180+20 LT W13-1 18" X18" — 2.25 — — 1 6-20 180+20 LT W13-1 18" X18" — 2.25 — — 1 6-20 180+20 LT W13-1 18" X18" — 2.25 — — 1 6-20 180+20 LT W13-1 18" X18" — 2.25 — — 1 6-20 180+20 LT W13-1 18" X18" — 2.25 — — 1 6-20 180+20 LT W13-1 18" X18" — 2.25 — — 1 6-20 180+20 LT W13-1 18" X18" — 2.25 — — 1 6-20 180+20 LT W13-1 18" X18" — 2.25 — — 1 6-20 | 6-08 | 154+95 | | W1-8 | 18" X 24" | | | | |
| 6-11 1574-50 LT W1-2L 307 X 307 6.25 1 6-12 1574-50 LT W1-3-1 187 X 16° 2.25 6-13 1584-20 RT J1-1 24° X 30° 6.5 1 6-14 81-90A RT R1-1 307 X 307 6.25 1 6-15 1594-65 RT W1-2L 307 X 307 6.25 1 6-16 160-90 RT R2-1 24° X 30° 5 6.25 1 6-17 160-90 LT R2-1 24° X 30° 5 1 6-18 91-90AK RT R1-1 307 X 30° 5.18 1 6-19 162-75 LT J4-1 24° X 36° 6 1 6-19 162-75 LT J4-1 24° X 36° 6 1 6-19 162-75 LT J4-1 24° X 36° 6 1 6-21 100-75EE LT R1-1 30° X 30° 5.18 1 6-21 100-75EE LT R1-1 30° X 30° 5.18 1 6-22 168-40 RT W11-2 30° X 30° 5.18 1 6-23 167-40 RT W11-2 30° X 30° 5.5 6.25 1 6-26 177-90 RT W11-1 250° X 30° 6.5 1 6-26 177-90 RT W11-1 250° X 30° 6.5 1 6-27 173-25 LT W11-2 30° X 30° 6.5 1 6-28 173-60 RT W11-2 30° X 30° 6.25 1 6-29 180-20 LT W11-2 30° X 30° 6.25 1 6-20 180-20 RT W11-2 30° X 30° 6.25 1 6-20 180-20 RT W11-2 30° X 30° 6.25 1 6-20 180-20 RT W11-2 30° X 30° 6.25 1 6-20 180-20 RT W11-2 30° X 30° 6.25 1 6-20 180-20 RT W11-2 30° X 30° 6.25 1 6-20 180-20 RT W11-2 30° X 30° 6.25 1 6-20 180-20 RT W11-2 30° X 30° 6.25 1 6-20 180-20 RT W11-2 30° X 30° 6.25 1 6-20 180-20 RT W11-2 30° X 30° 6.25 1 6-20 180-20 RT W11-2 30° X 30° 6.25 1 6-20 180-20 RT W11-2 30° X 30° 6.25 1 6-20 180-20 RT W11-2 30° X 30° 6.25 1 6-20 180-20 RT R1-1 30° X 30° 6.25 1 6-20 180-20 RT R1-1 30° X 30° 6.25 1 6-20 180-20 RT R1-1 30° X 30° 6.25 1 6-20 180-20 RT W11-2 30° X 30° 6.25 1 6-20 180-20 RT W11-2 30° X 30° 6.25 1 6-20 180-20 RT W11-2 30° X 30° 6.25 1 6-20 180-20 RT W11-2 30° X 30° 6.25 1 6-20 180-20 RT W11-2 30° X 30° 6.25 1 6-20 180-20 RT W11-2 30° X 30° 6.25 1 6-20 180-20 RT W11-2 30° X 30° 6.25 1 6-20 180-20 RT W11-2 30° X 30° 6.25 1 6-20 180-20 RT W11-2 30° X 30° 6.25 1 6-20 180-20 RT W11-2 30° X 30° - | 6-09 | 154+50 | RT | W3-5 | 36" X 36" | | 9 | | 1 |
| 6-12 157+59 | 6-10 | 70+50E | LT | R1-1 | 30" X 30" | 5.18 | | | 1 |
| 6-14 81-90A RT R1-1 30' X30' 5.18 | 6-11 | 157+50 | | W1-2L | 30" X 30" | | 6.25 | | 1 |
| 6-14 81-90A RT RT-1 30" X30" 5.18 6.25 1 6-16 169-490 RT R2-1 24" X30" 5 6.25 1 6-16 169-490 RT R2-1 24" X30" 5 1 6-17 169-490 LT R2-1 24" X30" 5 1 6-18 91-90AK RT R1-1 30" X30" 5.18 1 6-18 169-490 LT R2-1 24" X30" 5 1 6-19 163-75 LT J4-1 30" X30" 5.18 1 6-20 163-75 RT J12-1 24" X45" 7.5 1 6-21 100-75EE LT R1-1 30" X30" 5.18 1 6-22 165-40 LT J12-1 24" X45" 7.5 1 6-23 167-400 RT W1-3 1 18" X18" 2.25 1 6-25 167-80 RT J4-1 24" X35" 6 1 6-26 167-80 RT J4-1 24" X35" 6 1 6-27 173-25 LT W1-1 2 30" X30" 6.25 1 6-28 173-60 RT W1-2 30" X30" 6.25 1 6-29 180-20 LT W1-1 2 30" X30" 6.25 1 6-29 180-20 LT W1-1 2 30" X30" 6.25 1 6-29 180-20 LT W1-1 2 30" X30" 6.25 1 6-30 180-20 LT W1-1 2 30" X30" 6.25 1 6-30 180-20 LT W1-1 2 30" X30" 6.25 1 6-30 180-20 LT W1-1 2 30" X30" 6.25 1 6-30 180-20 LT W1-1 2 30" X30" 6.25 1 6-30 180-20 LT W1-1 2 30" X30" 6.25 1 6-30 180-20 LT W1-1 2 30" X30" 6.25 1 6-30 180-20 LT W1-2 30" X30" 6.25 1 6-30 180-20 LT W1-2 10" X1-2 10" X | 6-12 | 157+50 | | W13-1 | 18" X 18" | | 2.25 | | |
| 6-15 | 6-13 | 158+20 | RT | J1-1 | 24" X 39" | 6.5 | | | 1 |
| 6-16 160+80 RT R2-1 24" X30" 5 1 6-18 91+90AK RT R1-1 30" X30" 5.18 1 6-19 163+75 LT JA-1 24" X45" 6 1 6-20 164+35 RT J12-1 24" X45" 7.5 1 6-21 100-75EE LT R1-1 30" X30" 5.18 1 6-22 165+40 LT J12-1 24" X45" 7.5 1 6-23 167+00 RT W11-2 30" X30" 6.25 1 6-24 167+00 RT W11-1 31" X45" 7.5 1 6-25 167+90 RT W11-1 24" X45" 7.5 1 6-26 167+30 RT W11-1 24" X45" 7.5 1 6-27 173+25 LT W11-1 24" X36" 6 1 6-28 173+25 LT W11-1 24" X36" 6 1 6-29 180+20 LT W11-1 30" X30" 6.25 1 6-29 180+20 LT W11-2 30" X30" 6.25 1 6-29 180+20 LT W11-2 30" X30" 6.25 1 6-29 180+20 LT W11-2 30" X30" 6.25 1 6-20 181+90 RT W1-2 30" X30" 6.25 1 6-20 180+20 LT W11-1 31" X18" 2.25 1 6-20 180+20 LT W11-1 31" X18" 2.25 1 6-20 180+20 LT W13-1 18" X18" 2.25 1 6-20 180+20 LT W13-1 18" X18" 2.25 1 6-20 196+50 LT W1-2 30" X30" 6.25 1 6-27 170-2 12490SLW RT R1-1 30" X30" 6.25 1 6-27 170-2 12490SLW RT R1-1 30" X30" 6.25 1 6-28 134-50 LT R2-1 24" X30" 5 6.25 1 6-29 196+50 LT W1-2 30" X30" 6.25 1 6-25 1 6-26 196+50 LT W1-2 30" X30" 6.25 1 6-27 190-20 LT W1-2 30" X30" 6.25 1 6-27 190-20 LT W1-2 30" X30" 6.25 1 6-28 134-50 LT R2-1 24" X30" 5 6.25 1 6-29 190-20 LT W1-2 30" X30" 6.25 1 6-20 190-20 LT W1-2 30" X30" 6.25 1 6 | 6-14 | 81+90A | RT | R1-1 | 30" X 30" | 5.18 | | | 1 |
| 6-17 160-90 LT R2-1 24' X30' 5 | 6-15 | 159+85 | RT | W1-2L | 30" X 30" | | 6.25 | | 1 |
| 6-19 163-475 | 6-16 | 160+90 | RT | R2-1 | 24" X 30" | | | | 1 |
| 6-19 1634-75 LT JL-1 24' X36' 6 | 6-17 | 160+90 | LT | R2-1 | 24" X 30" | 5 | | | 1 |
| 6-20 164-45 RT J12-1 24" X45" 7.5 | 6-18 | 91+90AK | RT | R1-1 | 30" X 30" | 5.18 | | | 1 |
| 6-21 100+75EE LT R1-1 30'X30' 5.18 1 6-22 165+40 LT J12-1 24'X45' 7.5 1 6-23 167+00 RT W11-2 30'X30' 6.25 1 6-24 167+00 RT W13-1 18'X18' 2.25 1 6-25 167+90 RT J3-1 24'X36' 6 1 6-26 170+40 LT J1-1 24'X36' 6.5 1 6-27 173+25 LT W11-2 30'X30' 6.25 1 6-28 173+60 RT W11-2 30'X30' 6.25 1 6-29 180+20 LT W11-2 30'X30' 6.25 1 6-30 180+20 LT W11-2 30'X30' 6.25 1 6-30 180+20 LT W13-1 18'X18' 2.25 1 7-01 181+80 RT W1-2 30'X30' 6.25 1 7-02 121+90SLW RT R1-1 30'X30' 6.25 | 6-19 | 163+75 | LT | J4-1 | 24" X 36" | 6 | | | 1 |
| 6-22 165+40 LT J12-1 24" X45" 7.5 1 6-23 167+00 RT W11-2 30" X30" 6.25 6-24 167+00 RT W13-1 18" X18" 2.25 6-25 167+90 RT J4-1 24" X36" 6.5 1 6-26 170+40 LT J1-1 24" X36" 6.5 1 6-27 173+25 LT W11-2 30" X30" 6.25 1 6-28 173+60 RT W11-2 30" X30" 6.25 1 6-20 180+20 LT W13-1 18" X38" 6.25 1 6-30 180+20 LT W13-1 18" X30" 6.25 1 7-01 181+80 RT </td <td>6-20</td> <td>164+35</td> <td>RT</td> <td>J12-1</td> <td>24" X 45"</td> <td>7.5</td> <td></td> <td></td> <td>1</td> | 6-20 | 164+35 | RT | J12-1 | 24" X 45" | 7.5 | | | 1 |
| 6.23 | 6-21 | 100+75EE | LT | R1-1 | 30" X 30" | 5.18 | | | 1 |
| 6-24 167+00 RT | 6-22 | 165+40 | LT | J12-1 | 24" X 45" | 7.5 | | | 1 |
| 6-25 167+90 RT | 6-23 | 167+00 | RT | W11-2 | 30" X 30" | | 6.25 | | 1 |
| 6-26 170-40 | 6-24 | 167+00 | RT | W13-1 | 18" X 18" | | 2.25 | | |
| 6-27 173+25 | 6-25 | 167+90 | RT | J4-1 | 24" X 36" | 6 | | | 1 |
| 6-28 173-60 RT W11-2 30" X30" 6.25 1 6-29 180+20 LT W11-2 30" X30" 6.25 1 6-30 180+20 LT W13-1 18" X18" 6.25 7-01 181+80 RT W1-2R 30" X30" 6.25 1 7-01 181+80 RT W1-2R 30" X30" 6.25 1 7-02 121+90SLW RT R1-1 30" X30" 5.18 1 7-03 195+30 LT R2-1 24" X30" 5 1 7-04 195+50 RT R2-1 24" X30" 5 1 7-05 196+50 LT W1-2 30" X30" 6.25 1 7-06 197+50 LT W2-2 30" X30" 6.25 1 7-07 201+00 LT W3-5 36" X36" 6.25 1 7-08 202+00 RT W14-3 48" X36" 6 1 8-01 131+50L RT R1-1 30" X30" 5.18 1 8-01 131+50L RT R1-1 30" X30" 5.18 1 9-01 236+40 RT W2-2 30" X30" 6.25 1 1 9-02 150+50N LT R1-1 30" X30" 5.18 1 10-01 270+75 RT W2-1 30" X30" 6.25 1 1 10-04 273+60 LT W2-2 30" X30" 6.25 1 1 10-04 273+60 LT W2-2 30" X30" 6.25 1 1 10-04 170+75CRE LT W2-1 30" X30" 5.18 1 1 10-04 170+75CRE LT R1-1 30" X30" 5.18 1 1 10-05 283+50 RT W14-3 48" X36" 6 1 1 10-06 285+00 LT W2-1 30" X30" 5.18 1 1 10-07 293+40 LT W1-3 48" X36" 6 1 1 10-04 170+75CRE LT R1-1 30" X30" 5.18 1 1 10-05 283+50 RT W14-3 48" X36" 6 1 1 10-07 300+40 LT W1-3 48" X36" 6 1 1 10-07 300+40 LT W1-4 38" X36" 6 1 1 10-07 300+40 LT W1-8 18" X24" 3 1 1 11-07 300+40 LT W1-8 18" X24" 3 1 1 11-07 300+40 LT W1-8 18" X24" 3 1 1 11-09 306+60 LT W1-8 18" X24" 3 1 1 11-01 300+40 LT W1-8 18" X24" 3 1 1 11-01 300+40 LT W1-8 18" X24" 3 1 1 11-01 300+40 LT W1-8 18" X24" 3 1 1 11-01 300+40 LT W1-8 18" X24" 3 1 1 11-01 300+40 LT W1-8 18" X24" 3 1 1 11-01 300+40 LT W1-8 18" X24" 3 1 1 11-01 300+40 LT W1-8 18" X24" 3 1 1 11-01 300+40 LT W1-8 18" X24" 3 1 1 11-01 300+40 LT W1-8 18" X24" 3 1 1 11-01 300+40 LT W1-8 18" X24" 3 1 1 11-01 300+40 LT W1-8 18" X24" 3 1 1 11-01 300+40 LT W1-8 18" X24" 3 1 1 11-10 300+40 LT W1-8 18" X24" 3 1 1 11-11 300+45 RT W1-100 30" X30" | 6-26 | 170+40 | LT | J1-1 | 24" X 39" | 6.5 | | | 1 |
| 6-29 180+20 LT W11-2 30" X 30" 6.25 1 6-30 180+20 LT W13-1 18" X 18" 2.25 1 7-01 181+80 RT W1-2R 30" X 30" 6.25 1 7-02 121+90SLW RT R1-1 30" X 30" 5.18 1 7-03 195+30 LT R2-1 24" X 30" 5 1 7-04 195+50 RT R2-1 24" X 30" 5 6.25 1 7-05 196+50 LT W1-2L 30" X 30" 6.25 1 7-05 196+50 LT W2-2 30" X 30" 6.25 1 7-07 201+00 LT W3-5 36" X 36" 9 1 7-08 202+00 RT W14-3 48" X 36" 6 1 1 1 1 1 1 1 1 | 6-27 | 173+25 | LT | W11-2 | 30" X 30" | | 6.25 | | 1 |
| 6-30 180+20 LT W13-1 18" X 18" 2.25 17 7-01 181+80 RT W1-2R 30" X 30" 6.25 11 7-02 121+90SLW RT R1-1 30" X 30" 5.18 11 7-03 195+30 LT R2-1 24" X 30" 5 11 7-04 195+50 RT R2-1 24" X 30" 5 11 7-05 196+50 LT W1-2L 30" X 30" 6.25 11 7-06 197+50 LT W2-2 30" X 30" 6.25 11 7-07 201+00 LT W3-5 36" X 36" 9 6.25 11 7-08 202+00 RT W14-3 48" X 36" 9 11 8-01 131+50L RT R1-1 30" X 30" 5.18 11 8-01 131+50L RT R1-1 30" X 30" 5.18 11 8-02 141+50M RT R1-1 30" X 30" 5.18 11 9-01 236+40 RT W2-2 30" X 30" 6.25 11 9-02 150+50N LT R1-1 30" X 30" 5.18 11 9-03 245+25 LT W2-2 30" X 30" 6.25 11 10-01 270+75 RT W2-1 30" X 30" 6.25 11 10-02 273+00 LT W14-3 48" X 36" 6.25 11 10-04 170+75CRE LT W14-3 48" X 36" 6.25 11 10-05 283+50 RT W14-3 48" X 36" 6.25 11 10-06 285+00 LT W14-3 48" X 36" 6.25 11 11-01 300+00 RT W14-3 48" X 36" 6.25 11 11-04 302+90 LT W14-8 18" X 24" 3 1 11 11-07 305+40 LT W1-8 18" X 24" 3 1 11 11-07 305+40 LT W1-8 18" X 24" 3 1 11 11-10 306+60 LT W1-8 18" X 24" 3 1 | 6-28 | 173+60 | RT | W11-2 | 30" X 30" | | 6.25 | | 1 |
| 7-01 181+80 RT W1-2R 30" X 30" 6.25 1 7-02 121+908LW RT R1-1 30" X 30" 5.18 1 7-03 195+30 LT R2-1 24" X 30" 5 1 7-05 196+50 LT W1-2L 30" X 30" 6.25 1 7-06 197+50 LT W2-2 30" X 30" 6.25 1 7-06 197+50 LT W2-2 30" X 30" 6.25 1 7-07 201+00 LT W3-5 36" X 36" 9 1 8-01 131+50L RT RT-1 30" X 30" 5.18 1 8-02 141+50M RT R1-1 30" X 30" 5.18 1 9-03 245+25 LT W2- | 6-29 | 180+20 | LT | W11-2 | 30" X 30" | | 6.25 | | 1 |
| 7-02 121+90SLW RT R1-1 30" X30" 5.18 1 7-03 195+30 LT R2-1 24" X30" 5 1 7-04 195+50 RT R2-1 24" X30" 5 1 7-05 196+50 LT W1-2L 30" X30" 6.25 1 7-06 197+50 LT W2-2 30" X30" 6.25 1 7-07 201+00 LT W3-5 36" X36" 9 1 8-01 131+50L RT R1-1 30" X30" 5.18 6 8-02 141+50M RT R1-1 30" X30" 5.18 1 9-01 236+40 RT R1-1 30" X30" 5.18 1 9-03 245+25 LT W2-2 30" X30" <td>6-30</td> <td>180+20</td> <td>LT</td> <td>W13-1</td> <td>18" X 18"</td> <td></td> <td>2.25</td> <td></td> <td></td> | 6-30 | 180+20 | LT | W13-1 | 18" X 18" | | 2.25 | | |
| 7-03 195+30 LT R2-1 24" X30" 5 1 7-04 195+50 RT R2-1 24" X30" 5 1 7-05 196+50 LT W1-2L 30" X30" 6.25 1 7-06 197+50 LT W2-2 30" X30" 6.25 1 7-07 201+00 LT W3-5 36" X36" 9 1 8-01 131+50L RT R1-1 30" X30" 5.18 1 8-02 141+50M RT R1-1 30" X30" 5.18 1 9-02 150+50N LT R1-1 30" X30" 5.18 1 9-02 150+50N LT R1-1 30" X30" 5.18 1 9-02 150+50N LT W1-2 | 7-01 | 181+80 | RT | W1-2R | 30" X 30" | | 6.25 | | 1 |
| 7-04 195+50 RT R2-1 24" X 30" 5 1 7-05 196+50 LT W1-2L 30" X 30" 6.25 1 7-06 197+50 LT W2-2 30" X 30" 6.25 1 7-07 201+00 LT W3-5 36" X 36" 9 1 7-08 202+00 RT W14-3 48" X 36" 6 1 8-01 131+50L RT RT R1-1 30" X 30" 5.18 1 8-02 141+50M RT R1-1 30" X 30" 6.25 1 9-01 236+40 RT W2-2 30" X 30" 6.25 1 9-02 150+50N LT W2-1 30" X 30" 6.25 1 10-01 270+75 RT | 7-02 | 121+90SLW | RT | R1-1 | 30" X 30" | 5.18 | | | 1 |
| 7-05 196+50 LT W1-2L 30" X 30" 6.25 1 7-06 197+50 LT W2-2 30" X 30" 6.25 1 7-07 201+00 LT W3-5 36" X 36" 9 1 7-08 202+00 RT W14-3 48" X 36" 6 1 8-01 131+50L RT R1-1 30" X 30" 5.18 1 8-02 141+50M RT R1-1 30" X 30" 5.18 1 9-01 236+40 RT W2-2 30" X 30" 5.18 1 9-02 150+50N LT R1-1 30" X 30" 5.18 1 9-03 245+25 LT W2-1 30" X 30" 6.25 1 10-01 270+75 RT W1-3 | 7-03 | 195+30 | LT | R2-1 | 24" X 30" | 5 | | | 1 |
| 7-06 197+50 LT W2-2 30" X 30" 6.25 1 7-07 201+00 LT W3-5 36" X 36" 9 1 7-08 202+00 RT W14-3 48" X 36" 6 1 8-01 131+50L RT R1-1 30" X 30" 5.18 1 8-02 141+50M RT R1-1 30" X 30" 5.18 1 9-01 236+40 RT W2-2 30" X 30" 5.18 1 9-02 150+50N LT R1-1 30" X 30" 5.18 1 9-03 245+25 LT W2-2 30" X 30" 6.25 1 10-01 270+75 RT W2-1 30" X 30" 6 1 10-03 161+90CRW RT R1-1 | 7-04 | 195+50 | RT | | 24" X 30" | 5 | | | 1 |
| 7-07 201+00 LT W3-5 36" X36" 9 1 7-08 202+00 RT W14-3 48" X36" 6 1 8-01 131+50L RT R1-1 30" X30" 5.18 1 8-02 141+50M RT R1-1 30" X30" 5.18 1 9-01 236+40 RT W2-2 30" X30" 6.25 1 9-02 150+50N LT R1-1 30" X30" 6.25 1 9-03 245+25 LT W2-2 30" X30" 6.25 1 10-01 270+75 RT W2-1 30" X30" 6.25 1 10-02 273+00 LT W14-3 48" X36" 6 1 10-03 161+90CRW RT R1-1 | | 196+50 | | | | | | | 1 |
| 7-08 202+00 RT W14-3 48" X36" 6 1 8-01 131+50L RT R1-1 30" X30" 5.18 1 8-02 141+50M RT R1-1 30" X30" 5.18 1 9-01 236+40 RT W2-2 30" X30" 6.25 1 9-02 150+50N LT R1-1 30" X30" 6.25 1 9-03 245+25 LT W2-1 30" X30" 6.25 1 10-01 270+75 RT W2-1 30" X30" 6.25 1 10-02 273+00 LT W14-3 48" X36" 6 1 10-03 161+90CRW RT R1-1 30" X30" 5.18 1 10-03 283+50 RT <td>7-06</td> <td>197+50</td> <td>LT</td> <td>W2-2</td> <td>30" X 30"</td> <td></td> <td>6.25</td> <td></td> <td>1</td> | 7-06 | 197+50 | LT | W2-2 | 30" X 30" | | 6.25 | | 1 |
| 8-01 131+50L RT R1-1 30" X 30" 5.18 1 8-02 141+50M RT R1-1 30" X 30" 5.18 1 9-01 236+40 RT W2-2 30" X 30" 6.25 1 9-02 150+50N LT R1-1 30" X 30" 6.25 1 9-03 245+25 LT W2-2 30" X 30" 6.25 1 10-01 270+75 RT W2-1 30" X 30" 6.25 1 10-02 273+00 LT W14-3 48" X36" 6 1 10-03 161+90CRW RT R1-1 30" X30" 5.18 1 10-05 283+50 RT W14-3 48" X36" 6 1 10-07 293+40 LT | | 201+00 | | | | | | | |
| 8-02 141+50M RT R1-1 30" X30" 5.18 1 9-01 236+40 RT W2-2 30" X30" 6.25 1 9-02 150+50N LT R1-1 30" X30" 6.25 1 9-03 245+25 LT W2-2 30" X30" 6.25 1 10-01 270+75 RT W2-1 30" X30" 6.25 1 10-02 273+00 LT W14-3 48" X36" 6 1 10-03 161+90CRW RT R1-1 30" X30" 5.18 1 10-04 170+75CRE LT R1-1 30" X30" 5.18 1 10-05 283+50 RT W14-3 48" X36" 6 1 10-07 293+40 LT W14 | 7-08 | | RT | W14-3 | 48" X 36" | | 6 | | 1 |
| 9-01 236+40 RT W2-2 30" X30" 6.25 1 9-02 150+50N LT R1-1 30" X30" 5.18 1 9-03 245+25 LT W2-2 30" X30" 6.25 1 10-01 270+75 RT W2-1 30" X30" 6.25 1 10-02 273+00 LT W14-3 48" X36" 6 6 1 10-03 161+90CRW RT R1-1 30" X30" 5.18 1 10-04 170+75CRE LT R1-1 30" X30" 5.18 1 10-05 283+50 RT W14-3 48" X36" 6 1 10-06 285+00 LT W2-1 30" X30" 5.18 1 10-07 293+40 LT W14-3 48" X36" 6 1 11-01 300+00 RT W1-2R 30" X30" 6.25 1 11-02 300+00 RT W1-2R 30" X30" 6.25 1 11-03 302+90 LT W1-8 18" X24" 3 1 11-04 302+90 LT W1-8 18" X24" 3 1 1 11-05 304+10 LT W1-8 18" X24" 3 1 1 11-07 305+40 LT W1-8 18" X24" 3 1 1 11-08 305+40 LT W1-8 18" X24" 3 1 1 11-09 306+60 LT W1-8 18" X24" 3 1 1 11-09 306+60 LT W1-8 18" X24" 3 1 1 11-10 306+60 LT W1-8 18" X24" 3 1 1 11-11 308+45 RT W1-10L 30" X30" 6.25 11 11-11 308+45 RT W1-10L 30" X30" 6.25 11 11-11 308+45 RT W1-10L 30" X30" 6.25 11 11-11 308+45 RT W1-10L 30" X30" 5.25 11 11-11 308+45 RT W1-10L 30" X30" 6.25 11 | | | | | | 5.18 | | | 1 |
| 9-02 150+50N LT R1-1 30" X 30" 5.18 1 9-03 245+25 LT W2-2 30" X 30" 6.25 1 10-01 270+75 RT W2-1 30" X 30" 6.25 1 10-02 273+00 LT W14-3 48" X 36" 6 1 10-03 161+90CRW RT R1-1 30" X 30" 5.18 1 10-04 170+75CRE LT R1-1 30" X 30" 5.18 1 10-05 283+50 RT W14-3 48" X 36" 6 1 10-06 285+00 LT W2-1 30" X 30" 6.25 1 11-01 300+00 RT W14-3 48" X 36" 6 1 11-02 300+00 RT | 8-02 | 141+50M | RT | R1-1 | 30" X 30" | 5.18 | | | 1 |
| 9-03 | 9-01 | 236+40 | | W2-2 | | | 6.25 | | 1 |
| 10-01 270+75 RT W2-1 30" X 30" 6.25 1 10-02 273+00 LT W14-3 48" X 36" 6 1 10-03 161+90CRW RT R1-1 30" X 30" 5.18 1 10-04 170+75CRE LT R1-1 30" X 30" 5.18 1 10-05 283+50 RT W14-3 48" X 36" 6 1 10-06 285+00 LT W2-1 30" X 30" 6.25 1 10-07 293+40 LT W14-3 48" X 36" 6 1 11-01 300+00 RT W1-2R 30" X 30" 6.25 1 11-02 300+00 RT W1-31 18" X 24" 3 1 11-03 < | 9-02 | 150+50N | LT | R1-1 | 30" X 30" | 5.18 | | | 1 |
| 10-02 273+00 LT W14-3 48" X 36" 6 1 10-03 161+90CRW RT R1-1 30" X 30" 5.18 1 10-04 170+75CRE LT R1-1 30" X 30" 5.18 1 10-05 283+50 RT W14-3 48" X 36" 6 1 10-06 285+00 LT W2-1 30" X 30" 6.25 1 10-07 293+40 LT W1-3 48" X 36" 6 1 11-01 300+00 RT W1-2R 30" X 30" 6.25 1 11-02 300+00 RT W1-3-1 18" X 18" 2.25 11-03 302+90 LT W1-8 18" X 24" 3 1 11-05 304+10 LT W1-8 18" X 24" 3 1 11-07 | | | | | | | | | 1 |
| 10-03 161+90CRW RT R1-1 30" X30" 5.18 1 10-04 170+75CRE LT R1-1 30" X30" 5.18 1 10-05 283+50 RT W14-3 48" X36" 6 1 10-06 285+00 LT W2-1 30" X30" 6.25 1 10-07 293+40 LT W14-3 48" X36" 6 1 11-01 300+00 RT W1-2R 30" X30" 6.25 1 11-02 300+00 RT W1-2R 30" X30" 6.25 1 11-03 302+90 LT W1-8 18" X24" 3 1 11-05 304+10 LT W1-8 18" X24" 3 1 11-06 304+10 LT W1-8 18" X24" 3 1 11-09 306+60 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1</td> | | | | | | | | | 1 |
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| 10-05 283+50 RT W14-3 48" X 36" 6 1 10-06 285+00 LT W2-1 30" X 30" 6.25 1 10-07 293+40 LT W14-3 48" X 36" 6 1 11-01 300+00 RT W1-2R 30" X 30" 6.25 1 11-02 300+00 RT W13-1 18" X 18" 6.25 1 11-02 300+00 RT W13-1 18" X 24" 6.25 1 11-03 302+90 LT W1-8 18" X 24" 3 1 11-04 302+90 LT W1-8 18" X 24" 3 1 11-05 304+10 LT W1-8 18" X 24" 3 1 11-08 305+40 LT W1-8 | | | | | | | | | 1 |
| 10-06 285+00 LT W2-1 30" X 30" 6.25 1 10-07 293+40 LT W14-3 48" X 36" 6 1 11-01 300+00 RT W1-2R 30" X 30" 6.25 1 11-02 300+00 RT W13-1 18" X 18" 2.25 11-03 302+90 LT W1-8 18" X 24" 3 1 11-04 302+90 LT W1-8 18" X 24" 3 11-05 304+10 LT W1-8 18" X 24" 3 1 11-07 305+40 LT W1-8 18" X 24" 3 1 11-09 306+60 LT W1-8 18" X 24" 3 1 11-11 308+45 RT W1-10 | | | | | | | | | 1 |
| 10-07 293+40 LT W14-3 48" X 36" 6 1 11-01 300+00 RT W1-2R 30" X 30" 6.25 1 11-02 300+00 RT W13-1 18" X 18" 2.25 11-03 302+90 LT W1-8 18" X 24" 3 1 11-04 302+90 LT W1-8 18" X 24" 3 11-05 304+10 LT W1-8 18" X 24" 3 1 11-07 305+40 LT W1-8 18" X 24" 3 1 11-09 306+60 LT W1-8 18" X 24" 3 1 11-10 306+60 LT W1-8 18" X 24" 3 1 11-11 308+45 RT W1-10L </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>•</td> | | | | | | | | | • |
| 11-01 300+00 RT W1-2R 30" X30" 6.25 1 11-02 300+00 RT W13-1 18" X18" 2.25 11-03 302+90 LT W1-8 18" X24" 3 1 11-04 302+90 LT W1-8 18" X24" 3 11-05 304+10 LT W1-8 18" X24" 3 1 11-06 304+10 LT W1-8 18" X24" 3 11-07 305+40 LT W1-8 18" X24" 3 1 11-09 306+60 LT W1-8 18" X24" 3 1 11-10 306+60 LT W1-8 18" X24" 3 1 11-11 308+45 RT W1-10L 30" X30" 6.25 1 | | | | | | | | | |
| 11-02 300+00 RT W13-1 18" X 18" 2.25 11-03 302+90 LT W1-8 18" X 24" 3 1 11-04 302+90 LT W1-8 18" X 24" 3 11-05 304+10 LT W1-8 18" X 24" 3 1 11-06 304+10 LT W1-8 18" X 24" 3 11-07 305+40 LT W1-8 18" X 24" 3 1 11-09 306+60 LT W1-8 18" X 24" 3 1 11-10 306+60 LT W1-8 18" X 24" 3 1 11-11 308+45 RT W1-10L 30" X 30" 6.25 1 | | | | | | | | | |
| 11-03 302+90 LT W1-8 18" X 24" 3 1 11-04 302+90 LT W1-8 18" X 24" 3 11-05 304+10 LT W1-8 18" X 24" 3 1 11-06 304+10 LT W1-8 18" X 24" 3 11-07 305+40 LT W1-8 18" X 24" 3 1 11-08 305+40 LT W1-8 18" X 24" 3 11-09 306+60 LT W1-8 18" X 24" 3 1 11-10 306+60 LT W1-8 18" X 24" 3 11-11 308+45 RT W1-10L 30" X 30" 6.25 1 | | | | | | | | | |
| 11-04 302+90 LT W1-8 18" X 24" 3 11-05 304+10 LT W1-8 18" X 24" 3 1 11-06 304+10 LT W1-8 18" X 24" 3 11-07 305+40 LT W1-8 18" X 24" 3 1 11-08 305+40 LT W1-8 18" X 24" 3 11-09 306+60 LT W1-8 18" X 24" 3 1 11-10 306+60 LT W1-8 18" X 24" 3 11-11 308+45 RT W1-10L 30" X 30" 6.25 1 | | | | | | | | | |
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| 11-06 304+10 LT W1-8 18" X 24" 3 11-07 305+40 LT W1-8 18" X 24" 3 1 11-08 305+40 LT W1-8 18" X 24" 3 11-09 306+60 LT W1-8 18" X 24" 3 1 11-10 306+60 LT W1-8 18" X 24" 3 11-11 308+45 RT W1-10L 30" X 30" 6.25 1 | | | | | | | | | |
| 11-07 305+40 LT W1-8 18" X 24" 3 1 11-08 305+40 LT W1-8 18" X 24" 3 11-09 306+60 LT W1-8 18" X 24" 3 1 11-10 306+60 LT W1-8 18" X 24" 3 11-11 308+45 RT W1-10L 30" X 30" 6.25 1 | | | | | | | | | |
| 11-08 305+40 LT W1-8 18" X 24" 3 11-09 306+60 LT W1-8 18" X 24" 3 1 11-10 306+60 LT W1-8 18" X 24" 3 11-11 308+45 RT W1-10L 30" X 30" 6.25 1 | | | | | | | | | |
| 11-09 306+60 LT W1-8 18" X 24" 3 1 11-10 306+60 LT W1-8 18" X 24" 3 11-11 308+45 RT W1-10L 30" X 30" 6.25 1 | | | | | | | | | |
| 11-10 306+60 LT W1-8 18" X 24" 3 11-11 308+45 RT W1-10L 30" X 30" 6.25 1 | | | | | | | | | |
| 11-11 308+45 RT W1-10L 30" X 30" 6.25 1 | | | | | | | | | |
| | | | | | | | | | |
| 71-12 308+45 KI W13-1 18" X 18" 2.25 | | | | | | | | | |
| | 11-12 | 308+45 | ΚI | vv 13-1 | 18" X 18" | | 2.25 | | |

CONTINUED ON NEXT PAGE

PROJECT NO:6844-00-70/71 HWY: CTH E COUNTY: WAUPACA MISCELLANEOUS QUANTITIES SHEET E

FILE NAME : P:\11500S\11520S\11522\11522005\CADD\SHEETSOTHER\030201_MQ.DWG

PLOT DATE: 9/30/2013 9:03 AM

PLOT BY : BOBBI MAXWELL PLOT NAME :

NAME :

PLOT SCALE : ********

WISDOT/CADDS SHEET 42

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|---|----------------|------------------|-------------------------|------------------|------------------------|-----------------------------|----------------------|---------------------------|-----------------|--------|--------------------|---------------------|-------------------|---------------|--------------|------------------------------|
| | | | | | PERMANE | ENT SIGNS | | | | | | | | | | |
| | | | | | | 637.2210 | 637.2230 | 634.0612 | 634.0614 | | | | | REMOVING SI | CNS | |
| | | | | | | SIGNS | SIGNS | POSTS WOOD | POSTS WOOD | | | | | REMOVING SI | GNS | |
| | | | | | | TYPE II | TYPE II | 4X6-INCH | 4X6-INCH | | | | | 638.2602 | 638.3000 | |
| | NUMBER | STATION | LOCATION | CODE | SIZE | REFLECTIVE H SF | I REFLECTIVE F SF | X 12-FT EACH | X 14-FT EACH | | | | | REMOVING | REMOVING | |
| _ | 11-13 | 310+00 | LT | W1-2L | 30" X 30" | | 6.25 | | 1 | | | | | SIGNS | SMALL SIGN | |
| | 11-14 | 310+00 | LT | W13-1 | 18" X 18" | | 2.25 | | | | NUMBER | OTA TION | LOCATION | TYPE II | SUPPORTS | DECODIDEION. |
| | 11-15 | 313+50 | RT | W1-8 | 18" X 24" | | 3 | 1 | | | NUMBER R5-11 | STATION 145+55 | LOCATION | EACH 1 | EACH 1 | DESCRIPTION CURVE |
| | 11-16 | 313+50 | RT | W1-8 | 18" X 24" | | 3 | | | | R6-01 | 150+35 | RT | 1 | 1 | REDUCED SPEED AHEAD |
| _ | 11-17 | 314+50 | RT | W1-8 | 18" X 24" | | 3 | 1 | | | R6-02 | 150+35 | RT | 1 | | 35 MPH |
| | 11-18 | 314+50 | RT | W1-8 | 18" X 24" | | 3 | | | | R6-03 | 70+40E | LT | 1 | 1 | STOP |
| | 11-20 11-21 | 316+55 316+55 | RT RT | W1-8 W1-8 | 18" X 24" 18" X 24" | | 3 | 1 | | | R6-04 | 157+15 | LT | 1 | 1 | CURVE |
| | 11-21 | 317+55 | RT | W1-8 | 18" X 24" | | 3 | 1 | | | R6-05 | 157+80 | RT | 1 | 1 | CTH EE |
| | 11-23 | 317+55 | RT | W1-8 | 18" X 24" | | 3 | | | | R6-06 | 157+80 | RT | 1 | | JCT |
| _ | 11-24 | 318+55 | RT | W1-8 | 18" X 24" | | 3 | 1 | | | R6-07 | 81+95A | RT | 1 | 1 | STOP |
| | 11-25 | 318+55 | RT | W1-8 | 18" X 24" | | 3 | | | | R6-08 | 159+95 | RT | 1 | 1 | CURVE |
| | 11-26 | 322+40 | LT | W1-10R | 30" X 30" | | 6.25 | | 1 | | R6-09 R6-10 | 160+82 91+95AK | LT RT | 1 1 | <u> </u> | SPEED LIMIT 55 STOP |
| | 11-27 | 322+40 | LT | W13-1 | 18" X 18" | | 2.25 | | | | R6-11 | 162+60 | RT | 1 | 1 | SPEED LIMIT 35 MPH |
| _ | | | | | | | | | | | R6-12 | 163+30 | LT | 1 | 1 | CTH E |
| | | | | TOTAL PR | ROJECT 6844-00-71 | 215.26 | 417.75 | 29 | 74 | | R6-13 | 163+30 | LT | 1 | <u>.</u> | SOUTH |
| | | | | | | | | | | | R6-14 | 164+25 | RT | 1 | 1 | COUNTY EE |
| | | | | | | REFLECTIVE H | H REFLECTIVE F | X 12-FT | X 14-FT | | R6-15 | 164+25 | RT | 1 | | ARROW |
| | NUMBER | STATION | LOCATION | CODE | SIZE | SF | SF | EACH | EACH | | R6-16 | 165+20 | LT | 1 | 1 | CTH EE |
| _ | 11-19 | 171+75LC | RT | R1-1 | 30" X 30" | 5.18 | | | 1 | | R6-17 | 165+20 | LT . – | 1 | | ARROW |
| | | | • | | 22 7.00 | 20 | | | • | | R6-18 | 100+60EE | LT | 1 | 1 | STOP |
| | | | | TOTAL PR | ROJECT 6844-00-70 | 5.18 | 0 | 0 | 1 | | R6-19 | 165+70 | RT RT | 1 | 1 | NORTH CTH E |
| | | | | | | | | | | | R6-20 R6-21 | 165+70 167+05 | RT | 1 | 1 | PEDESTRIAN XING |
| | | | | | DI | EMOVING SIGNS | | | | | R6-22 | 167+05 | RT | 1 | | 25 MPH |
| | | | | | N | 0 0 10110 | | | | | R6-23 | 170+05 | LT | 1 | 1 | JCT |
| | | | | | | 638.2602 63 | 38.3000 | | | | R6-24 | 170+05 | LT | 1 | | CTH EE |
| | | | | | | | MOVING | | | | R6-25 | 173+10 | LT | 1 | 1 | PEDESTRIAN XING |
| | | | | | | SIGNS SM. | ALL SIGN | | | | R6-26 | 173+60 | RT | 1 | 1 | PEDESTRIAN XING |
| | | | | | | TYPE II SU | PPORTS | | | | R6-27 | 180+05 | LT | 1 | 1 | PEDESTRIAN XING |
| | | | JMBER | STATION | LOCATION | EACH | EACH | DESCRIPTION | | | R6-28 | 180+05 | LT | 1 | | 25 MPH |
| | | | R1-01 | 12+30TL | RT | 1 | 1 | STOP | V | | R7-01 | 181+98 | RT | 1 | 1 | CURVE |
| | | | R1-02 | 1+30 | RT RT | 1 | 1 | WAUPACA COUNT | Ť | | R7-02 R7-03 | 121+95SLW 195+35 | RT LT | 1 | 1 1 | STOP SPEED LIMIT 35 MPH |
| | | | R1-03 R1-04 | 1+30 11+65 | RT | 1 1 | 1 | CTH E REVERSE CURVE | : | | R7-03 R7-04 | 195+35 | RT | 1 | 1 1 | SPEED LIMIT 35 MPH |
| | | | R1-04 R1-05 | 17+00 | LT | 1 | 1 | OBJECT MARKER | | | R7-04 | 196+45 | LT | 1 | 1 | CURVE |
| | | | R1-06 | 17+00 | RT | 1 | <u> </u> | OBJECT MARKER | | | R7-06 | 197+50 | LT | 1 | 1 | INTERSECTION |
| | | | R1-07 | 17+20 | LT | 1 | 1 | OBJECT MARKER | | | R7-07 | 201+00 | LT | 1 | 1 | REDUCED SPEED AHEAD |
| | | | R1-08 | 17+20 | RT | 1 | 1 | OBJECT MARKER | | | R7-08 | 201+00 | LT | 1 | | 35 MPH |
| | | | R2-01 | 35+75 | RT | 1 | 1 | INTERSECTION | | | R8-01 | 131+65L | RT | 1 | 1 | STOP |
| | | | R2-02 | 39+10 | LT | 1 | 1 | REVERSE CURVE | <u> </u> | | R8-02 | 141+60M | RT | 1 | 1 | STOP |
| | | | R2-03 | 20+30H | LT | 1 | 1 | STOP | _ | | R9-01 | 236+50 | RT . - | 1 | 1 | INTERSECTION |
| | | | R2-04 | 45+60 | LT | 1 | 1 | INTERSECTION | | | R9-02 | 150+40N | LT | 1 | 1 | STOP |
| | | | | 31+65CL | RT | 1 | 1 | STOP STOP | | | R9-03 | 245+25 270+90 | LT RT | 1 | 1 4 | INTERSECTION INTERSECTION |
| | | | R3-01 R3-02 | 40+30B 72+25 | LT LT | 1 | 1 1 | INTERSECTION | | | R10-01 R10-02 | 162+05CRW | RT | 1 1 | 1 1 | STOP |
| | | | R3-02 R4-01 | 116+15 | LT | 1 1 | 1 | OBJECT MARKER | | | R10-02 | 170+45CRE | LT | 1 | 1 | STOP |
| | | | R4-01 R4-02 | 116+15 | RT | 1 | 1 | OBJECT MARKER | | | R10-03 | 284+55 | LT | <u> </u> | <u> </u> | INTERSECTION |
| | | | R4-03 | 116+80 | RT | 1 | 1 | OBJECT MARKER | | | R11-01 | 300+25 | RT | 1 | 1 | CURVE |
| | | | R4-04 | 116+80 | LT | 1 | 1 | OBJECT MARKER | | | R11-02 | 308+65 | RT | 1 | 1 | CURVE |
| | | | R4-05 | 118+70 | RT | 1 | 1 | CURVE | | | R11-03 | 309+85 | LT | 1 | 1 | CURVE |
| | | | R5-01 | 122+30 | RT | 1 | 1 SC | HOOL BUS STOP AF | | | R11-06 | 323+80 | LT | 1 | 1 | CURVE |
| | | | R5-02 | 126+28 | RT | 1 | 1 | SNOWMOBILE XING | | | | | | | | |
| | | | R5-03 | 127+10 | LT | 1 | 1 | SNOWMOBILE XING | G | | | TOTAL PROJE | ECT 6844-00-71 | 80 | 69 | |
| | | | R5-04 | 129+30 | LT | 1 | 1 | CURVE | | | | | | | | |
| | | | R5-05 R5-06 | 131+20 133+10 | RT LT | 1 | 1 00 | CURVE HOOL BUS STOP AF | JEAD. | | | | | TYPE II | SUPPORTS | |
| | | | K5-06 R5-07 | 133+10 50+50S | LT LT | 1 1 | 1 50 | STOP AF | TEAU | | NUMBER | STATION | LOCATION | EACH | EACH | DESCRIPTION |
| | | | | 60+44P | RT | 1 | 1 | DEAD END | | | R11-04 | 314+95 | RT | 1 | 1 | STOP |
| | | | R5-08 | | | | • | | | | | | | : | • | |
| | | I | R5-08 R5-09 | | | 1 | 1 | STOP | | | R11-05 | 316+95 | RI . | 1 | 1 | SIOP |
| | | | R5-08 R5-09 R5-10 | 60+35P 144+85 | LT RT | 1 1 | 1 1 | STOP CURVE | | | R11-05 | 316+95 | RT | 1 | 1 | STOP |
| | | | R5-09 | 60+35P | LT | 1 1 | 1 | | | | R11-05 | | ECT 6844-00-70 | 2 | 2 | STOP |
| | | | R5-09 | 60+35P | LT RT | 1 1 JED IN NEXT COLUM | 1 1 1N | | | | R11-05 | | | 2 | 2 | STOP |
| | NO: 6844-0 | | R5-09 | 60+35P 144+85 | LT RT | 1 1 JED IN NEXT COLUM | 3 1 | | | 140.00 | R11-05 EOUS QUANT | TOTAL PROJE | | 2 | 2 | SHEET |

CONTINUED FROM PREVIOUS PAGE

CONTINUED FROM PREVIOUS COLUMN

648.0100

LOCATING NO-PASSING ZONES STATION - STATION MI -0+81.43 - 322+40.54 6.12

TOTAL PROJECT 6844-00-71 6.12

LOCATING NO-PASSING ZONES

CONSTRUCTION STAKING

650.8000 CONSTRUCTION STAKING RESURFACING REFERENCE

| | REFERENCE |
|--------------------------|-----------|
| STATION - STATION | LF |
| -0+81.43 - 322+40.54 | 32,322 |
| 10+90.24TL - 12+25TL | 135 |
| 20+25H - 21+42.07H | 117 |
| 30+40CL - 31+75CL | 135 |
| 40+25B - 41+75.59B | 151 |
| 50+25S - 51+92.98S | 168 |
| 60+25P - 61+70P | 145 |
| 70+25E - 71+52.90E | 128 |
| 81+52.51A - 82+25A | 73 |
| 90+88.46AK - 92+25AK | 137 |
| 100+25EE - 101+49.19EE | 124 |
| 120+53SLW - 122+15SLW | 162 |
| 130+40.75L - 131+70L | 129 |
| 140+41.43M - 141+70M | 129 |
| 150+25N - 151+70.64N | 146 |
| 161+05.67CRW - 162+25CRW | 119 |
| 170+25CRE - 171+34.16CRE | 109 |
| TOTAL PROJECT 6844-00-71 | 34,429 |
| | |

| | | REFERENCE |
|---|--------------------------|-----------|
| | STATION - STATION | LF |
| | 170+62.26LC - 171+85LC | 123 |
| _ | TOTAL PROJECT 6844-00-70 | 123 |

PAVEMENT MARKING

| | | 646.0106 PAVEMENT MARKING EPOXY 4-INCH | 646.0126 PAVEMENT MARKING EPOXY 8-INCH | 646.0406 PAVEMENT MARKING SAME DAY EPOXY | 649.0100 TEMPORARY* PAVEMENT MARKING 4-INCH | 647.0736 PAVEMENT MARKING DIAGONAL EPOXY | 647.0786 PAVEMENT MARKING CROSSWALK EPOXY | |
|---------------------|--------------------------|----------------------------------------------------|----------------------------------------|------------------------------------------------------|---------------------------------------------------------|------------------------------------------|-------------------------------------------|----------------------------|
| | | WHITE | WHITE | | | 18-INCH | 18-INCH | |
| STATION - STATION | LOCATION | LF | LF | LF | LF | LF | LF | DESCRIPTION |
| -0+81.43 - 0+18 | EDGE LINE, LT | 100 | | | | | | UPPER LAYER |
| -0+81.43 - 41+19 | EDGE LINE, RT | 4,144 | | | | | | UPPER LAYER |
| 1+67 - 54+06 | EDGE LINE, LT | 5,240 | 200 | | | | | UPPER LAYER |
| 42+50 - 66+72 | EDGE LINE, RT | 2,425 | 200 | | | | | UPPER LAYER |
| 55+43 - 158+75 | EDGE LINE, LT | 10,337 | 200 | | | | | UPPER LAYER |
| 68+11 - 134+64 | EDGE LINE, RT | 6.643 | 200 | | | | | UPPER LAYER |
| 135+90 - 142+86 | SKIPS & EDGE LINE, RT | 883 | | | | | | UPPER LAYER |
| 144+15 - 156+06 | EDGE LINE, RT | 1,139 | | | | | | UPPER LAYER |
| 157+44 - 164+34 | EDGE LINE, RT | 691 | 200 | | | | | UPPER LAYER |
| 160+05 - 161+79 | EDGE LINE, LT | 175 | | | | | | UPPER LAYER |
| 163+16 - 189+54 | EDGE LINE, LT | 2,637 | 200 | | | | | UPPER LAYER |
| 165+73 - 240+30 | EDGE LINE, RT | 7,457 | | | | | | UPPER LAYER |
| 190+82 - 222+85 | EDGE LINE, LT | 3,204 | 200 | | | | | UPPER LAYER |
| 224+15 - 229+94 | EDGE LINE, LT | 581 | 200 | | | | | UPPER LAYER |
| 241+65 - 277+70 | EDGE LINE, RT | 3,606 | 200 | | | | | UPPER LAYER |
| 231+24 - 277+47 | EDGE LINE, LT | 4,625 | 200 | | | | | UPPER LAYER |
| 278+79 - 322+41 | EDGE LINE, LT | 4,359 | 200 | | | | | UPPER LAYER |
| 279+00 - 315+18 | EDGE LINE, RT | 3,621 | 205 | | | | | UPPER LAYER |
| 316+39 - 322+41 | EDGE LINE, RT | 600 | | | | | | UPPER LAYER |
| -0+81.43 - 55+77.12 | DOUBLE YELLOW | | | 11,317 | | | | UPPER LAYER |
| 55+77.12 - 95+50 | SKIPS, NO PASSING | | | 3.651 | | | | UPPER LAYER |
| 95+50 - 195+40 | DOUBLE YELLOW | | | 19,980 | | | | UPPER LAYER |
| 195+40 - 202+00 | NO PASSING, SKIPS | | | 825 | | | | UPPER LAYER |
| 202+00 - 273+00 | SKIPS | | | 6,352 | | | | UPPER LAYER |
| 273+00 - 283+50 | DOUBLE YELLOW | | | 2,100 | | | | UPPER LAYER |
| 283+50 - 293+40 | SKIPS | | | 248 | | | | UPPER LAYER |
| 293+40 - 302+97.86 | SKIPS, NO PASSING | | | 1200 | | | | UPPER LAYER |
| 302+97.86 - 318+00 | DOUBLE YELLOW | | | 3004 | | | | UPPER LAYER |
| 318+00 - 322+40.54 | SKIPS, NO PASSING | | | 551 | | | | UPPER LAYER |
| -0+81.43 - 17+05.81 | DOUBLE YELLOW | | | | 3,575 | | | LOWER LAYER |
| 17+12.97 - 55+77.12 | DOUBLE YELLOW | | | | 7,728 | | | LOWER LAYER |
| 55+77.12 - 95+50 | SKIPS, NO PASSING | | | | 3,651 | | | LOWER LAYER |
| 95+50 - 116+40 | DOUBLE YELLOW | | | | 4,180 | | | LOWER LAYER |
| 116+58 - 195+40 | DOUBLE YELLOW | | | | 15,764 | | | LOWER LAYER |
| 195+40 - 202+00 | NO PASSING, SKIPS | | | | 825 | | | LOWER LAYER |
| 202+00 - 273+00 | SKIPS | | | | 6,352 | | | LOWER LAYER |
| 273+00 - 283+50 | DOUBLE YELLOW | | | | 2,100 | | | LOWER LAYER |
| 283+50 - 293+40 | SKIPS | | | | 248 | | | LOWER LAYER |
| 293+40 - 302+97.86 | SKIPS, NO PASSING | | | | 1200 | | | LOWER LAYER |
| 302+97.86 - 318+00 | DOUBLE YELLOW | | | | 3004 | | | LOWER LAYER |
| 318+00 - 322+40.54 | SKIPS, NO PASSING | | | | 551 | | | LOWER LAYER |
| 174+94 | CROSSWALK** | | | | | 77 | 44 | 2' SPACE BETWEEN DIAGONALS |
| 176+19 | CROSSWALK** | | | | | 63 | 44 | 2' SPACE BETWEEN DIAGONALS |
| 178+05 | CROSSWALK** | | | | | 63 | 44 | 2' SPACE BETWEEN DIAGONALS |
| | TOTAL PROJECT 6844-00-71 | 62,465 | 2,405 | 49,228 | 49,178 | 203 | 132 | |

^{*} TEMPORARY PAVEMENT MARKING TO BE PLACED ON SAME DAY AS PAVING THE LOWER LAYER

PROJECT NO:6844-00-70/71

HWY: CTH E

COUNTY: WAUPACA

MISCELLANEOUS QUANTITIES

FILE NAME : P:\11500S\11520S\11522\11522005\CADD\SHEETSOTHER\030201_MQ.DWG

PLOT DATE: 9/30/2013 9:03 AM

PLOT BY : BOBBI MAXWELL

PLOT NAME :

SHEET

^{**}CROSSWALK HAS 12' SPACE BETWEEN LINES FOR STA 174+94 AND 10' SPACE BETWEEN LINES FOR STA 176+19 AND STA 178+05

| | | 690.0150 SAWING ASPHALT | 690.0250 SAWING CONCRETE |
|--------------|--------------|-------------------------------|--------------------------------|
| STATION | LOCATION | LF_ | LF |
| 24+90 | DRIVEWAY RT | 17 | |
| 64+40 | DRIVEWAY LT | 18 | |
| 104+80 | DRIVEWAY LT | 17 | |
| 137+75 | DRIVEWAY RT | 12 | |
| 139+85 | DRIVEWAY LT | 34 | |
| 140+20 | DRIVEWAY RT | 12 | |
| 140+90 | DRIVEWAY RT | 10 | |
| 71+05E | DRIVEWAY RT | | 16 |
| 162+85 | DRIVEWAY RT | 11 | |
| 164+05 | DRIVEWAY RT | 14 | |
| 164+75 | DRIVEWAY LT | 18 | |
| 166+45 | DRIVEWAY RT | 12 | |
| 173+20 | DRIVEWAY RT | 23 | |
| 174+85 | DRIVEWAY RT | 26 | |
| 174+90 | DRIVEWAY LT | 11 | |
| 176+20 | DRIVEWAY LT | 9 | |
| 176+20 | DRIVEWAY RT | 10 | |
| 178+02 | DRIVEWAY RT | | 8 |
| 178+05 | DRIVEWAY LT | 53 | |
| 181+55 | DRIVEWAY LT | 39 | |
| 225+90 | DRIVEWAY LT | 13 | |
| 229+80 | DRIVEWAY RT | 15 | |
| 231+60 | DRIVEWAY RT | 18 | |
| 246+73 | DRIVEWAY RT | 19 | |
| 255+15 | DRIVEWAY RT | 19 | |
| 255+15 | DRIVEWAY RT | | 18 |
| -0+81.43 | ROADWAY | 22 | |
| 10+90.24TL | ROADWAY | 21 | |
| 21+42.07H | ROADWAY | 16 | |
| 30+40.07CL | ROADWAY | 20 | |
| 41+75.59B | ROADWAY | 19 | |
| 51+92.98S | ROADWAY | 19 | |
| 61+70P | ROADWAY | 17 | |
| 71+52.90E | ROADWAY | 18 | |
| 81+52.51A | ROADWAY | 21 | |
| 90+88.46AK | ROADWAY | 18 | |
| 101+49.19EE | ROADWAY | 20 | |
| 120+53SLW | ROADWAY | 20 | |
| 130+40.75L | ROADWAY | 18 | |
| 140+41.43M | ROADWAY | 20 | |
| 151+70.64N | ROADWAY | 18 | |
| 161+05.67CRW | ROADWAY | 21 | |
| 171+34.16CRE | ROADWAY | 21 | |
| 322+40.54 | ROADWAY | 22 | |
| TOTAL PROJEC | T 6844-00-71 | 781 | 42 |
| | | 4 O D L I A L T | OONODETT |

| 0747011 | ASPHALT | CONCRETE | |
|---------------|----------|----------|----|
| STATION | LOCATION | LF | LF |
| 170+62.26LC | 24 | | |
| TOTAL PROJECT | 24 | 0 | |

HWY: CTH E COUNTY: WAUPACA MISCELLANEOUS QUANTITIES SHEET PROJECT NO:6844-00-70/71

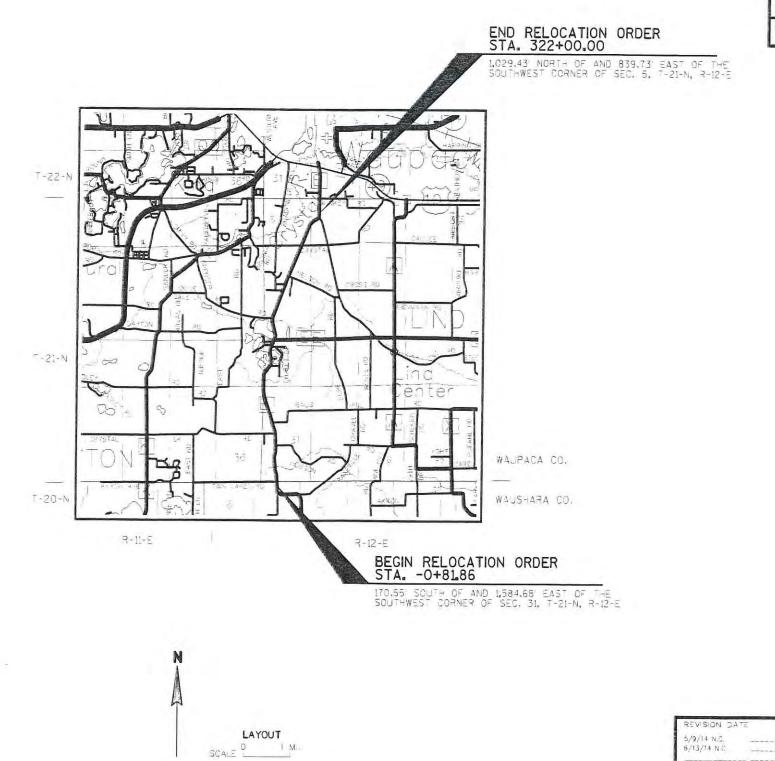


NOTES

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, WAUPACA COUNTY, NAD 83 (2007) IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 MONUMENTS (TYPICALLY 3/4" x 24" REBAR) 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.



FEDERAL PROJECT NUMBER

6844-00-01

FEDERAL PROJECT NUMBER

4.01

24

PLAT OF RIGHT-OF-WAY REQUIRED FOR

WAUSHARA COUNTY LINE - WAUPACA

WAUSHARA COUNTY LINE - WAUPACA (WAUSHARA CO. LINE - HIGH POINT RIDGE RD)

CTH E WAUPACA COUNTY

CONSTRUCTION PROJECT NUMBER 6844-00-70/71

| | WAUPAGA COUNTY |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
| 6/24 DATE | 134 Sink Commissioner |
| ORI | GINAL PLAT PREPARED BY |
| | MSA |
| | TRANSPORTATION & MARICIPAL DEVELOPMENT & DEVELOPMENT & DEVELOPMENT & DEVELOPMENT & DEVELOPMENT ALL |
| 608-35 6 | 1230 South Baulevard Barabao, W 53913 5-2771 1-800-362-4505 Fax: 608-356-277 3 934 PHILIPPENDIA PRINCES |
| | MISCONSIN |
| The state of the s | な GREGORY P. RHINEHART S-1478 |
| | FRIENDSHIP, WI OSURVETO |
| | SURVE |
| DATE _6/ | 13/14 Aregor P. Rhimler |

ITLE.DWG

PLOT DATE : 5/13/2014 11:15 AM PLOT B

TOTAL NET LENGTH OF CENTERLINE = 5.114 MI.

PLOT

FILE NAME : P:N11500SN11520SN11522N11522005NCADDNSHEETSPLANNRIGHT OF WAYNPLAT TITLE, DWG

PLOT NAM

21-1-1

E

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE COUNTY.

| | PARCEL NUMBER | SHEET NUMBER | OWNER | INTEREST REQUIRED | NEW | R/W ACRES REQUIRED EXISTING | TOTAL | TLE ACRES |
|---|------------------|-----------------|----------------------------------------------------------------------------------|----------------------|------|-----------------------------|-------|--------------|
| _ | 2 | 4.10 | SCOTT F. & DAWN S. SEWARD | FEE & TLE | 0.06 | 2.26 | 2.32 | 0.02 |
| | 3 | 4.11 | TODD R. WILCOX | FEE | 0.04 | 0.52 | 0.56 | |
| | 4 | 4.11 | RANDY B. & CHRISTINE T. LORRIGAN | FEE | 0.07 | 0.72 | 0.79 | |
| | 5 | 4.11 | BONNIE L. ANDERSON | TLE | | | | 0.01 |
| | 6 | 4.12 | JOHN A. & BONNIE L. ANDERSON | FEE | 0.01 | 0.99 | 1.00 | |
| - | 7 | 4.12 - 4.13 | GATEWAY REAL ESTATE & CONSTRUCTION, LLP | FEE & TLE | 0.04 | 1.45 | 1.49 | 0.03 |
| | 8 | 4.13 | ESTATE OF MARY GREENWOOD | FEE | 0.02 | | 0.02 | |
| | 9 | 4.13 | JOHN T. GILLIGAN 1995 CONVERTIBLE TRUST & JANICE L. ERETH 1995 CONVERTIBLE TRUST | FEE | 0.01 | | 0.01 | |
| | 10 | 4.13 | JOEL R. KEMPFERT | FEE | 0.03 | | 0.03 | |
| | 11 | 4.13 | SUSAN T. MILLER | TLE | | | | 0.01 |
| _ | 12 | 4.14 | WILLIAM & MARILYN CARAMORE | FEE & TLE | 0.14 | 2.28 | 2.42 | 0.06 |
| | 13 | 4.15 | FRANK E. MEATING & TERI L.R. MEATING | FEE | 0.02 | | 0.02 | |
| | 14 | 4.15 | CATHERINE PAKALA, GLORIA C. WEDGE, & HARVEY E. WEDGE | TLE | | | | 0.08 |
| | 15 | 4.16 | MARTHA J. ATTOE | FEE | 0.02 | | 0.02 | |
| | 16 | 4.16 | EMIL & JACQUELINE P. ROSANDICH | FEE | 0.03 | | 0.03 | |
| | 17 | 4.16 | THIBAUDEAU REAL ESTATE, LLC | FEE | 0.02 | | 0.02 | |
| | 18 | 4.16 | RICHARD E. & CAROLINE L. NAVIN | FEE | 0.05 | | 0.05 | |
| | 19 | 4.16 - 4.17 | LAWRENCE GOHLKE & RICHARD GOHLKE | FEE & TLE | 0.12 | | 0.12 | 0.01 |
| | 20 | 4.16 - 4.17 | DEAN J. FISCHER | FEE | 0.04 | | 0.04 | |
| | 21 | 4.17 | JOHN L. & GLORIA J. STEARNS | FEE | 0.04 | | 0.04 | |
| - | 22 | 4.17 | MARGARET J. HANSON | FEE | 0.06 | | 0.06 | |
| | 23 | 4.17 | DONALD R. HANDRICH & SALLY MARCHEL-HANDRICH | FEE | 0.06 | | 0.06 | |
| | 24 | 4.17 | LANA MARIE GRAHAM | FEE | 0.04 | | 0.04 | |
| | 25 | 4.17 | FREDRICK K. MOSS & MARTIN E. SCHEIDER | FEE | 0.09 | | 0.09 | |
| | 26 | 4.17 - 4.18 | THOMAS J. & LAVERNE J. PINKOWSKI | FEE | 0.03 | | 0.03 | |
| _ | 27 | 4.18 | JEFFREY L. & NICOLE N. BARTON | FEE | 0.28 | | 0.28 | |
| | 29 | 4.18 | DAVID A. & KARMI SUE BUCKLEY | FEE & TLE | 0.03 | | 0.03 | 0.01 |
| | 30 | 4.18 | TERRY J. & SHARILYN L. WILSON | FEE | 0.06 | | 0.06 | |
| | 31 | 4.18 - 4.20 | WISCONSIN & NORTHERN MICHIGAN DISTRICT COUNCIL ASSEMBLIES OF GOD | FEE & TLE | 0.25 | | 0.25 | 0.13 |
| | 32 | 4.20 | MICHAEL J. & MARLENE T. YOGERST | FEE | 0.01 | | 0.01 | |
| | 33 | 4.20 | TAMMY RAE WOLTER | FEE | 0.11 | | 0.11 | |
| | 34 | 4.20 | KURT D. ENGLE | FEE | 0.06 | 0.36 | 0.42 | |
| | 35 | 4.21 | JUSTIN N. BECHARD | FEE | 0.03 | | 0.03 | |
| | | | | | | | | |

SCALE, FEET

DATE MAY 7, 2014

COUNTY: WAUPACA CONSTRUCTION PROJECT NUMBER 6844-00-70/71 PS&E SHEET PLOT NAME : PLOT BY: BRAD LEE

HWY: CTH E

STATE R/W PROJECT NUMBER 6844-00-01

4.02

PLAT SHEET

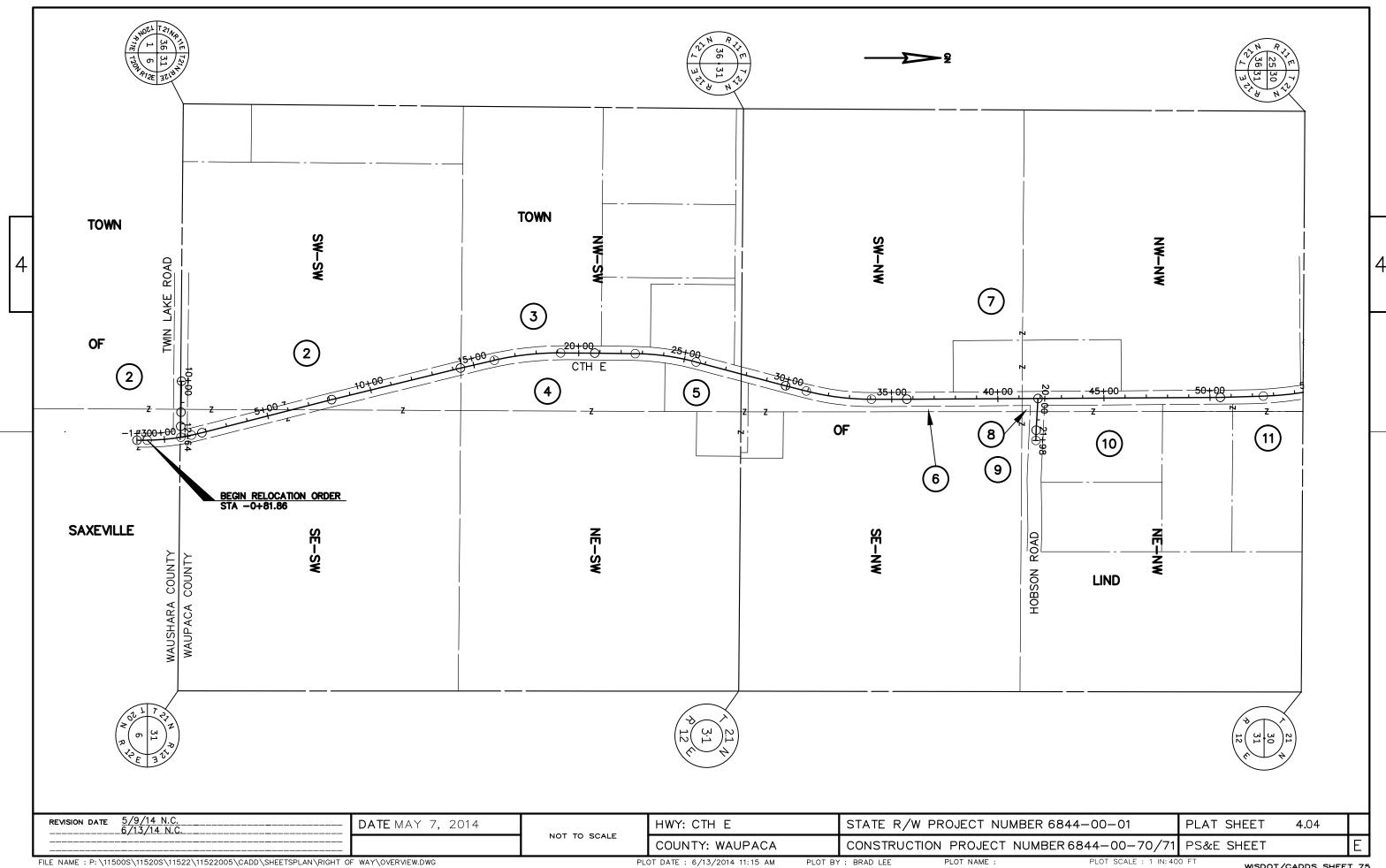
SCHEDULE OF LANDS & INTERESTS REQUIRED

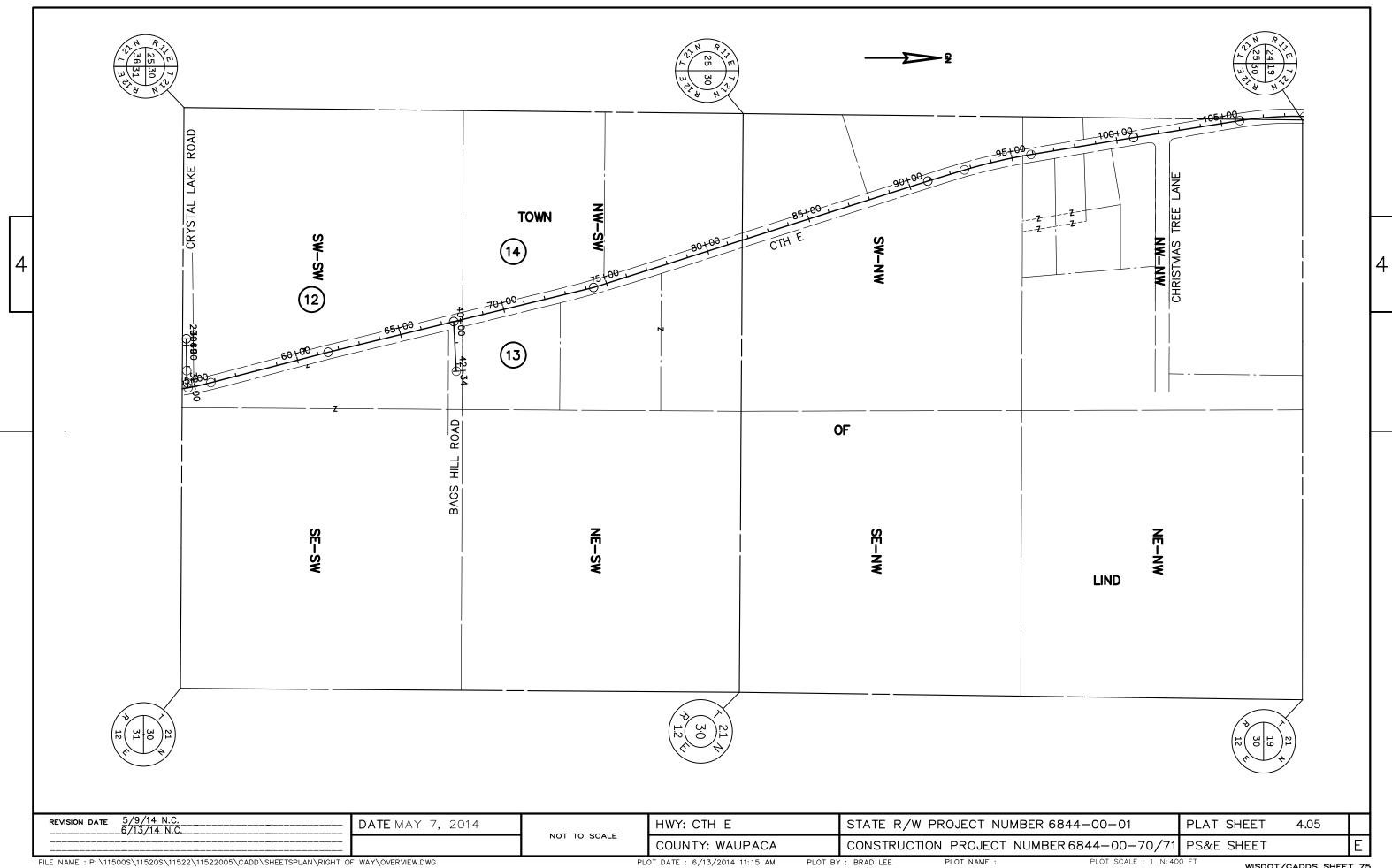
OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE COUNTY.

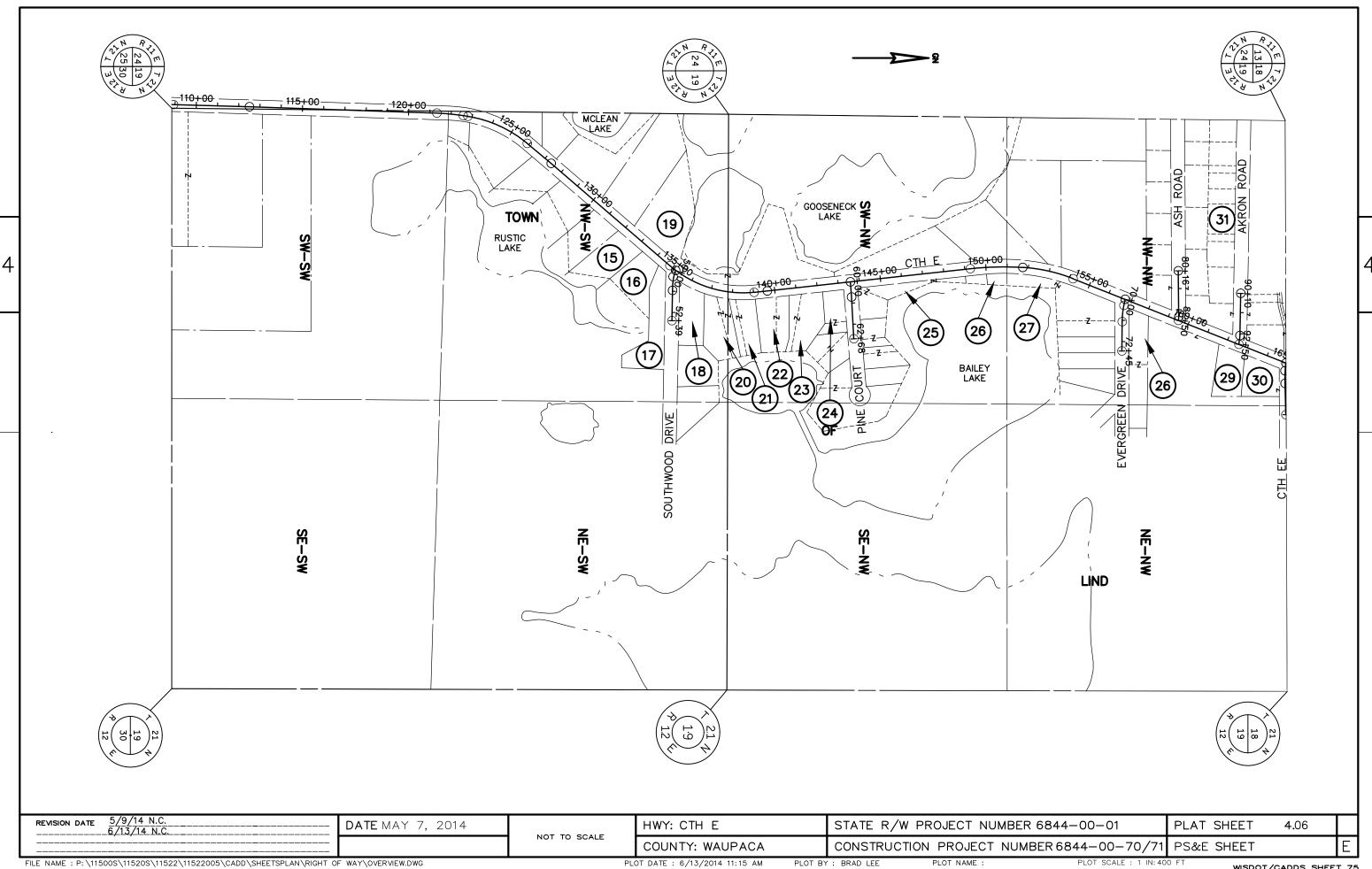
| PAR NUM | CEL SHEET BER NUMBER | OWNER | INTEREST REQUIRED | NEW | R/W ACRES REQUIRED EXISTING | TOTAL | TLE ACRES |
|------------|------------------------------------------|----------------------------------|----------------------|------|-----------------------------|-------|--------------|
| 36 | 4.21 | JON DEE M. & JULIE L. GARCIA | FEE | 0.05 | | 0.05 | |
| 37 | 4.21 | MICHAEL J. & CINDY L. ZEMKE | FEE | 0.03 | | 0.03 | |
| 39 | 4.21 | RICHARD L. & DARLA A. WEST | FEE | 0.03 | | 0.03 | |
| 40 | 4.21 | BARTLEY A. & STACY A. BUHLER | FEE | 0.05 | | 0.05 | |
| 41 | 4.21 | NICHOLAS J. & MARGARET M WOZNIAK | FEE | 0.03 | | 0.03 | |
| 42 | 2 4.21 | LLOYD L. PELZER | FEE | 0.01 | | 0.01 | |
| 43 | 4.22 | PAUL G. & FRANCES L. JAHNKE | FEE | 0.03 | | 0.03 | |
| 44 | 4.22 | LANCE T. & KIM T. PENNEY | FEE | 0.07 | | 0.07 | |
| 45 | 4.22 | DANNY L. & BARBARA J. GUSTKE | FEE & TLE | 0.03 | 0.25 | 0.28 | 0.01 |
| 46 | 4.23 | EDWARD A. & HELEN A. MARKO | FEE | 0.09 | 0.22 | 0.31 | |
| 47 | 4.23 | GREGORY D. DHEIN | FEE | 0.03 | | 0.03 | |
| 48 | 4.23 | DUANE P. ROGGOW | FEE | 0.06 | 0.47 | 0.53 | |
| 49 | 4.23 | GARY L. WINTERS | FEE | 0.03 | | 0.03 | |
| 50 | 4.24 | EVELYN M. TOWNE | FEE | 0.03 | 0.70 | 0.73 | |
| 60 | 4.10, 4.14 - 4.16, 4.19, 4.21, & 4.23 | AT&T | RELEASE OF RIGHTS | | | | |
| . 61 | 4.10, 4.11, & 4.16 - 4.21 | WE ENERGIES | RELEASE OF RIGHTS | | | | |
| 62 | 4.14, 4.17, 4.20, & 4.21 | CHARTER COMMUNICATION | RELEASE OF RIGHTS | | | | |

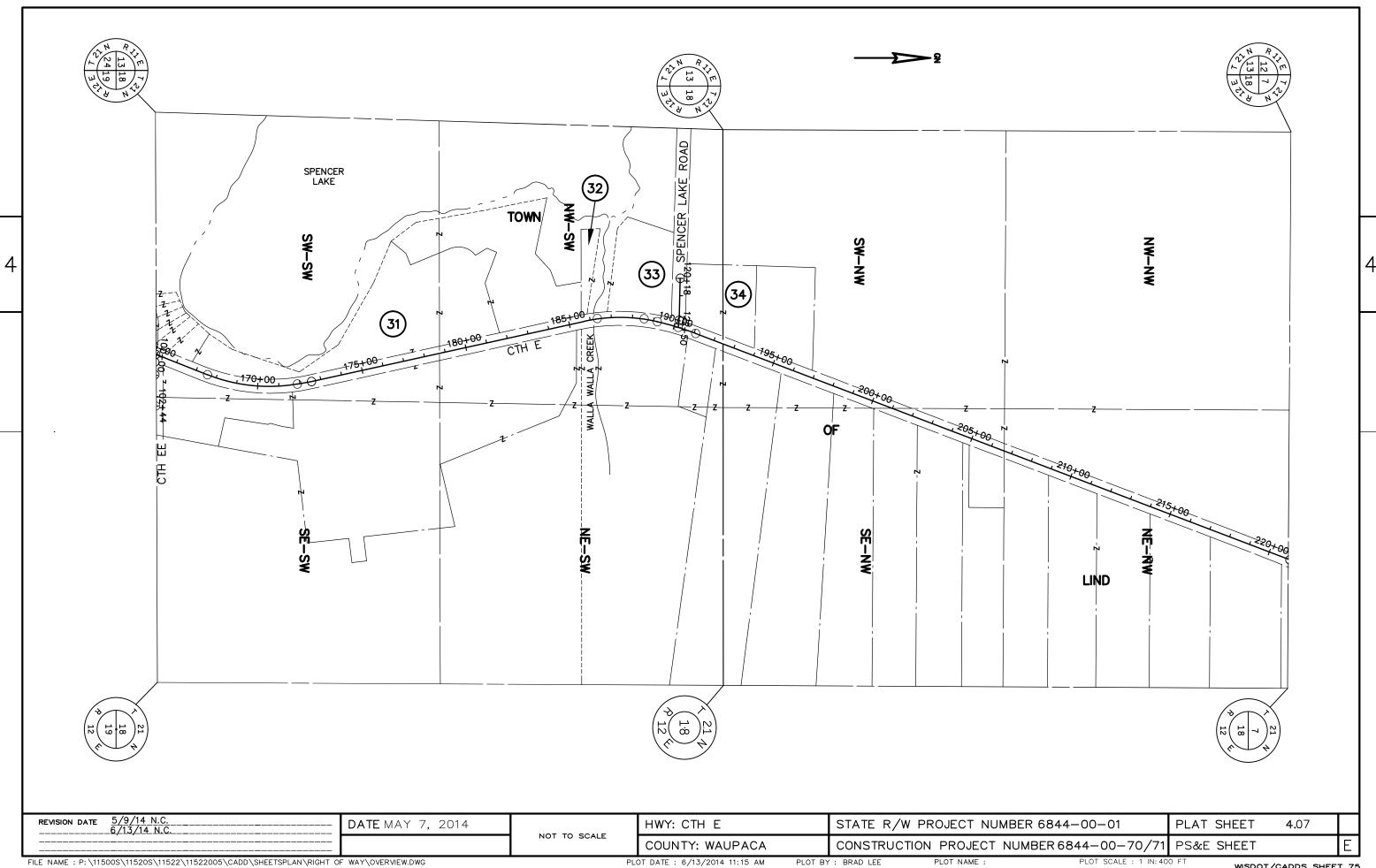
| REVISION DATE 5/9/14 N.C. 6/13/14 N.C. | DATE MAY 7, 2014 | | HWY: CTH E | STATE R/W PROJECT NUMBER 6844-00-01 | PLAT SHEET | 4.03 | |
|-------------------------------------------|-------------------------|-------|-----------------|-------------------------------------------|------------|------|---|
| | | 0 N/A | COUNTY: WAUPACA | CONSTRUCTION PROJECT NUMBER 6844-00-70/71 | PS&E SHEET | | Ē |

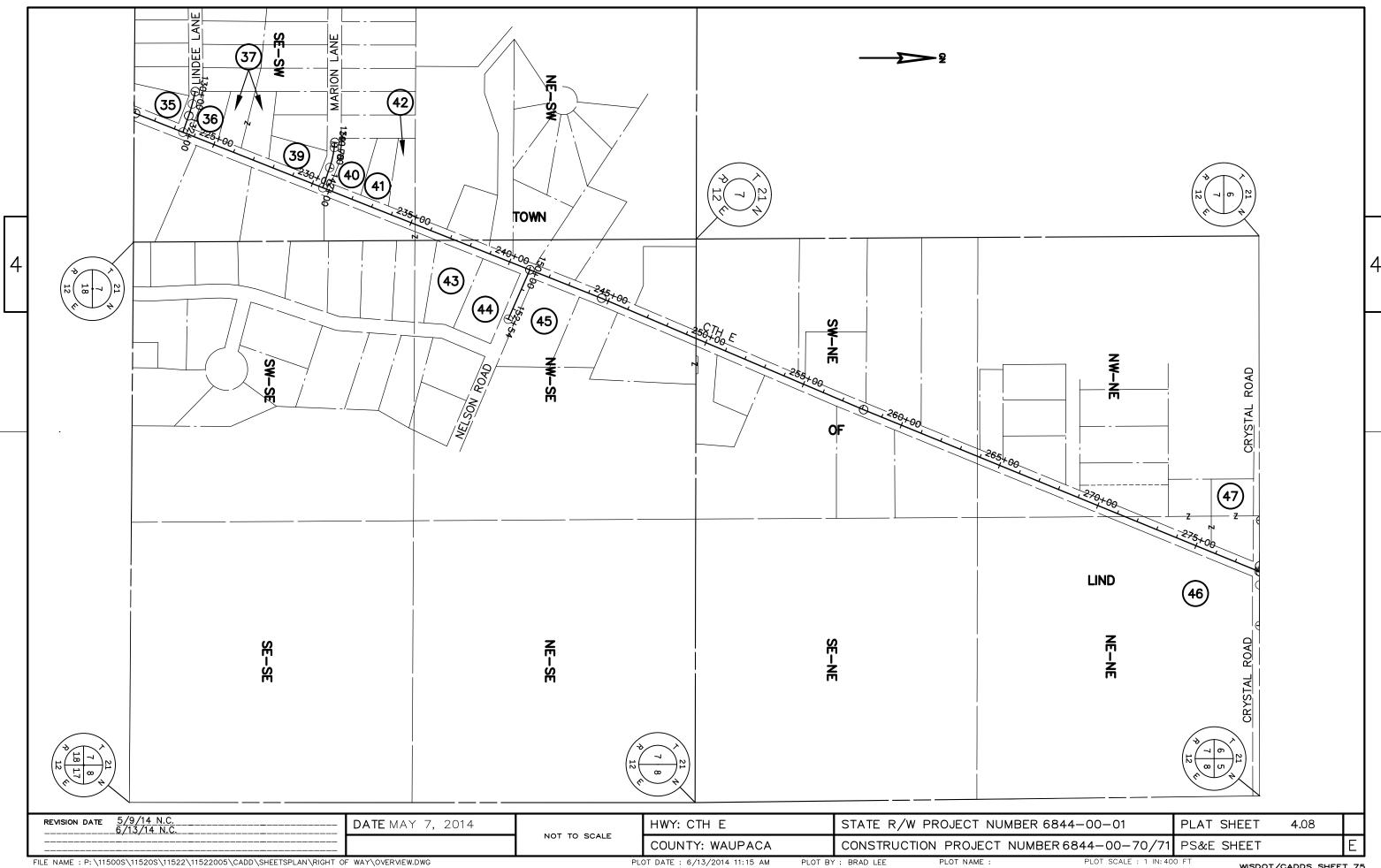
PLOT NAME :

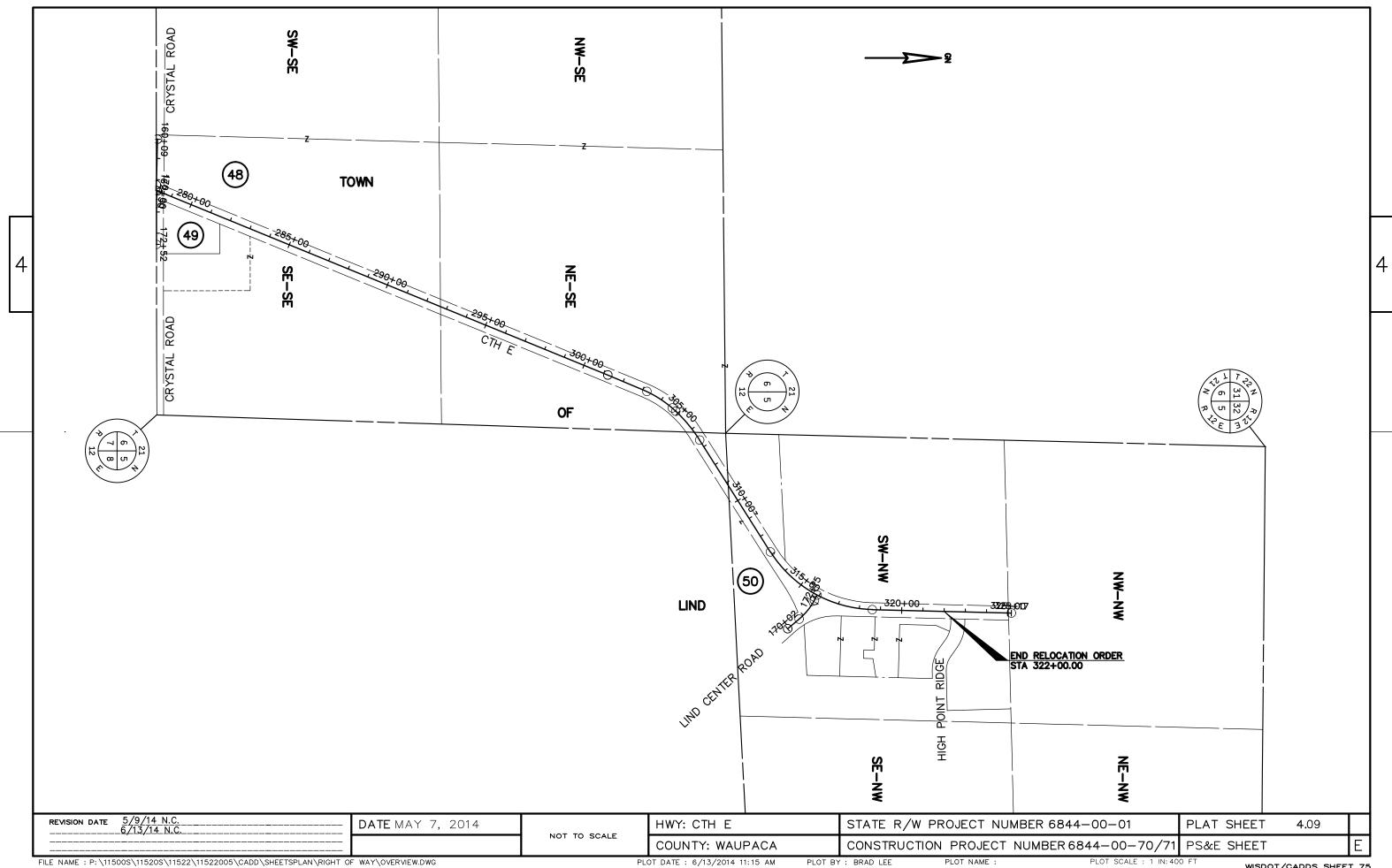


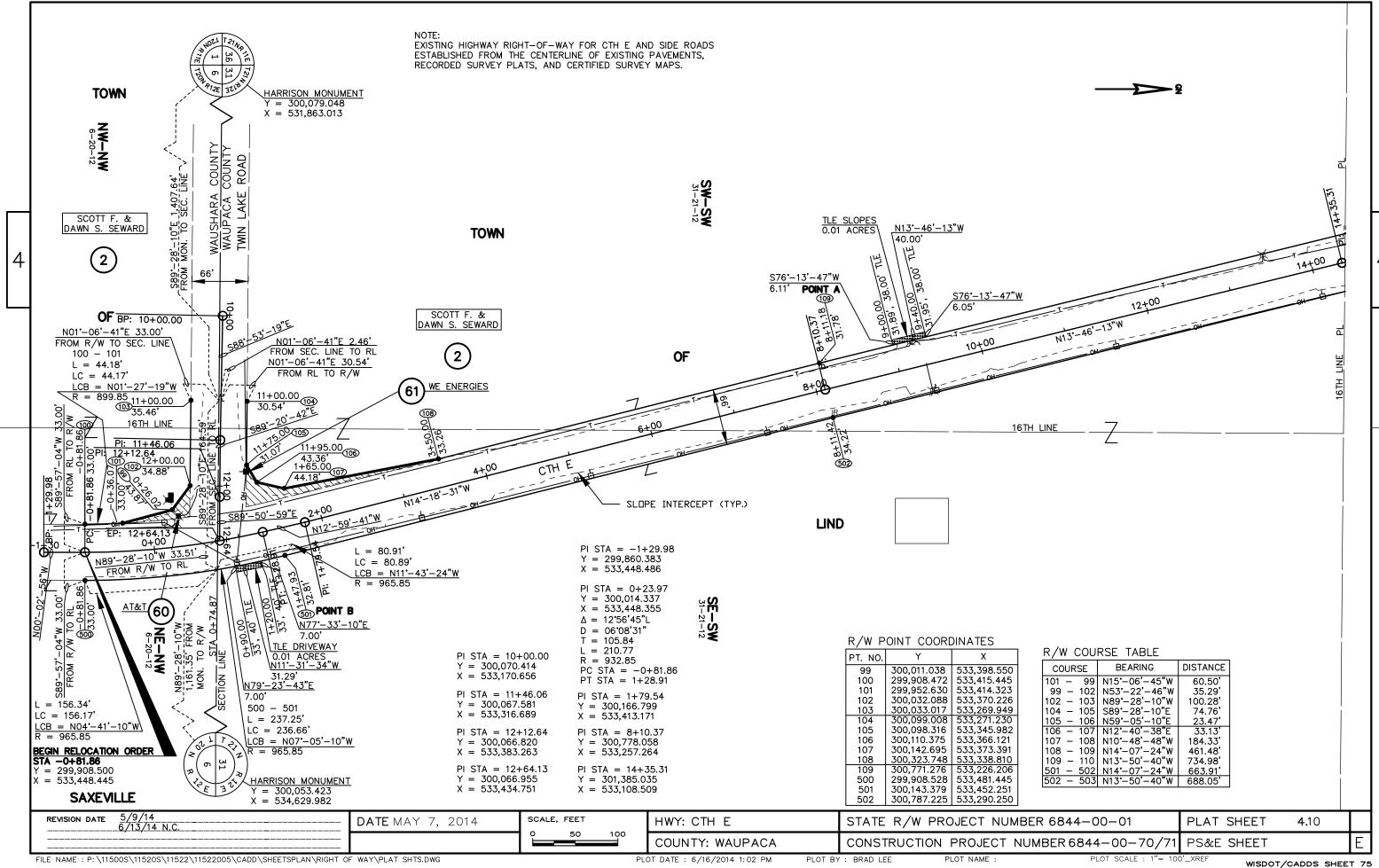


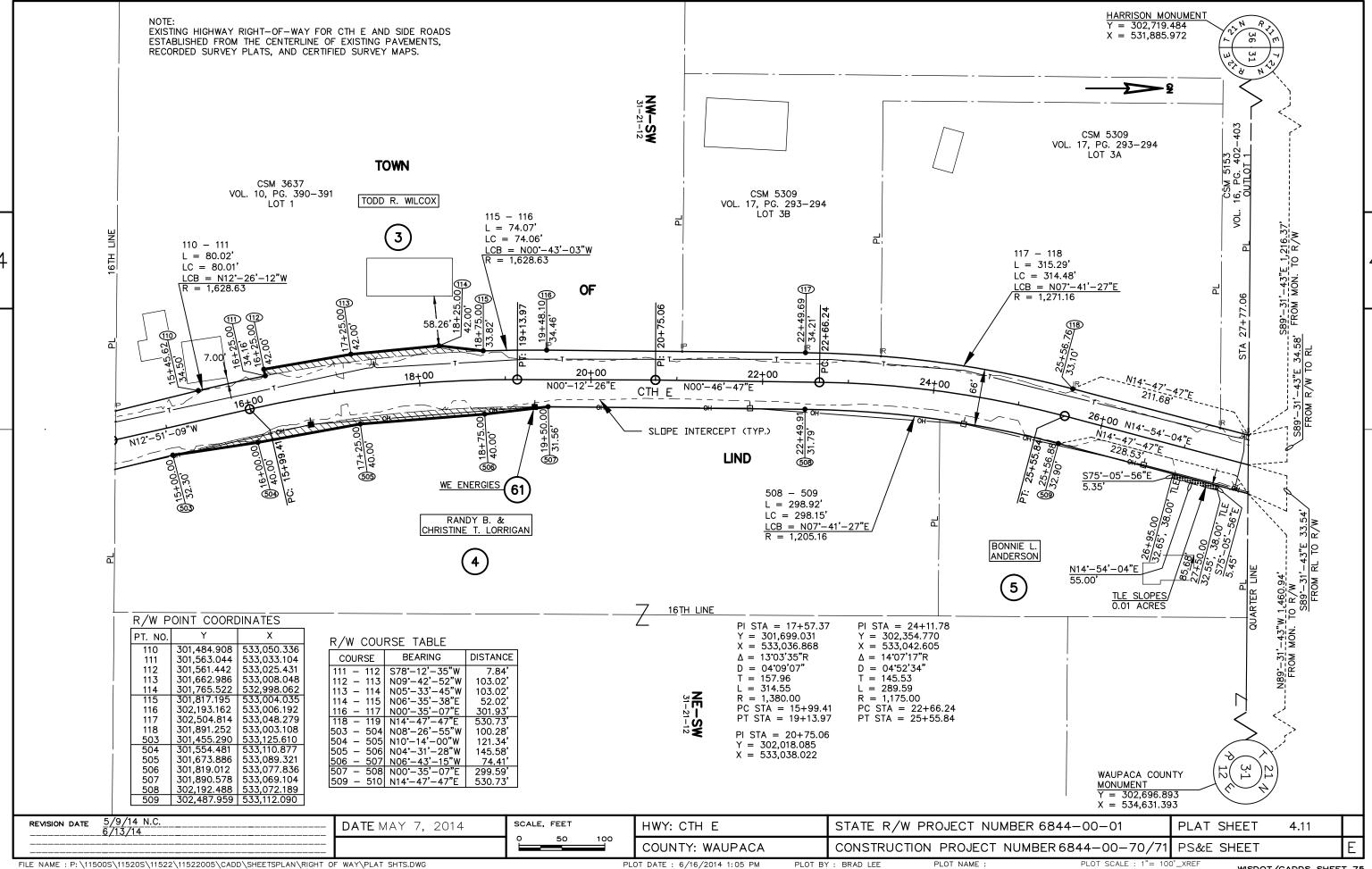


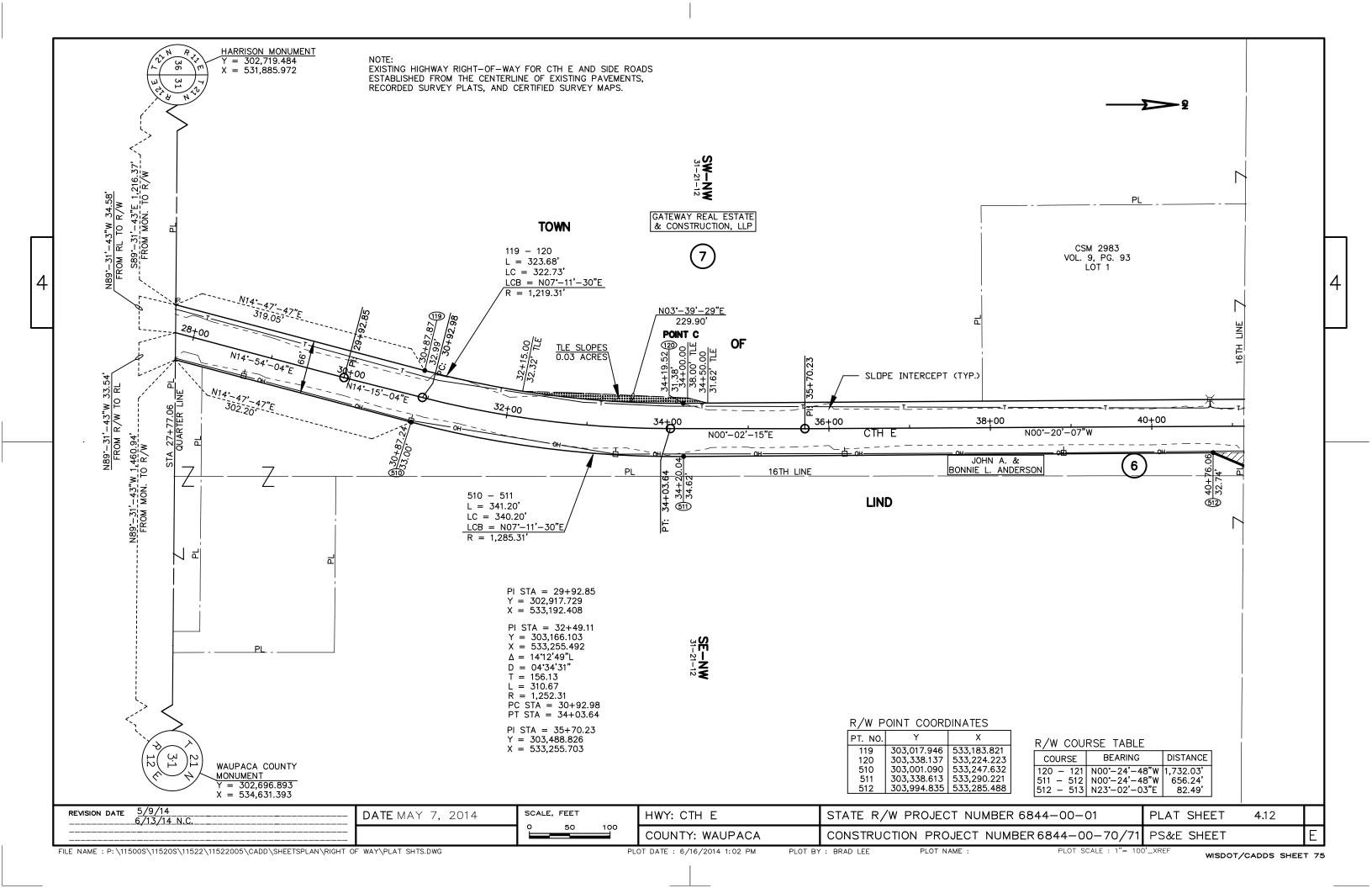


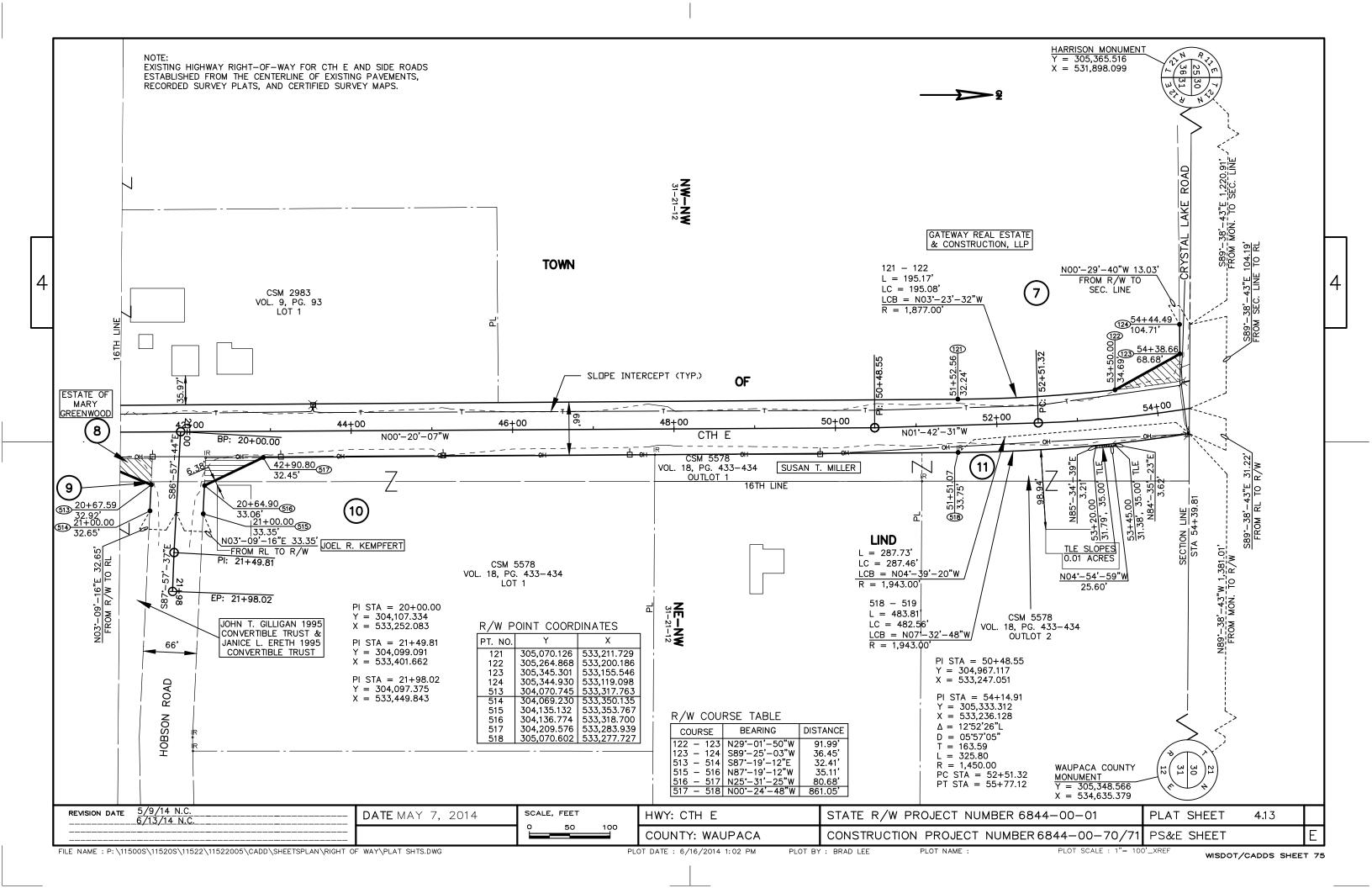


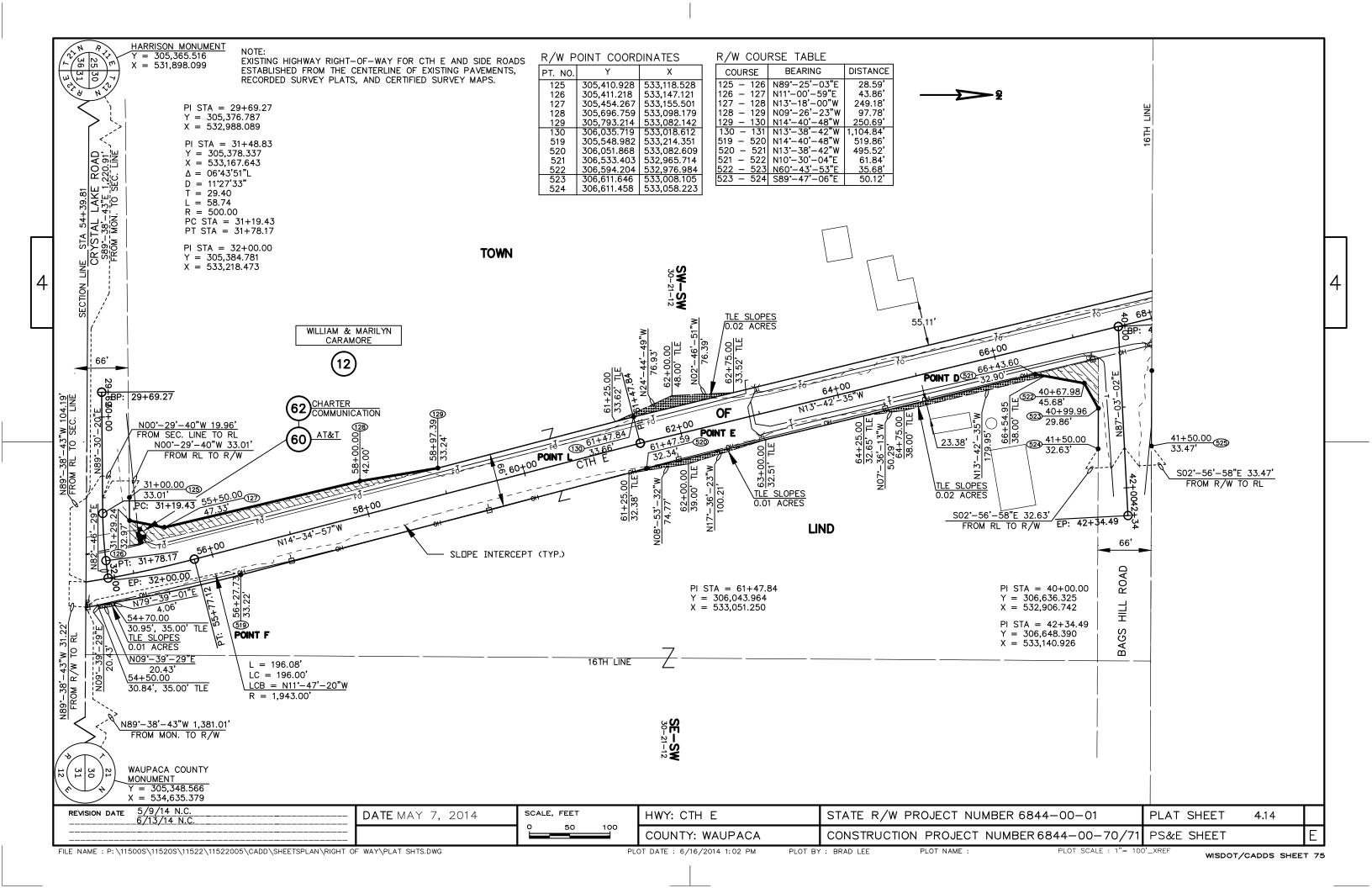


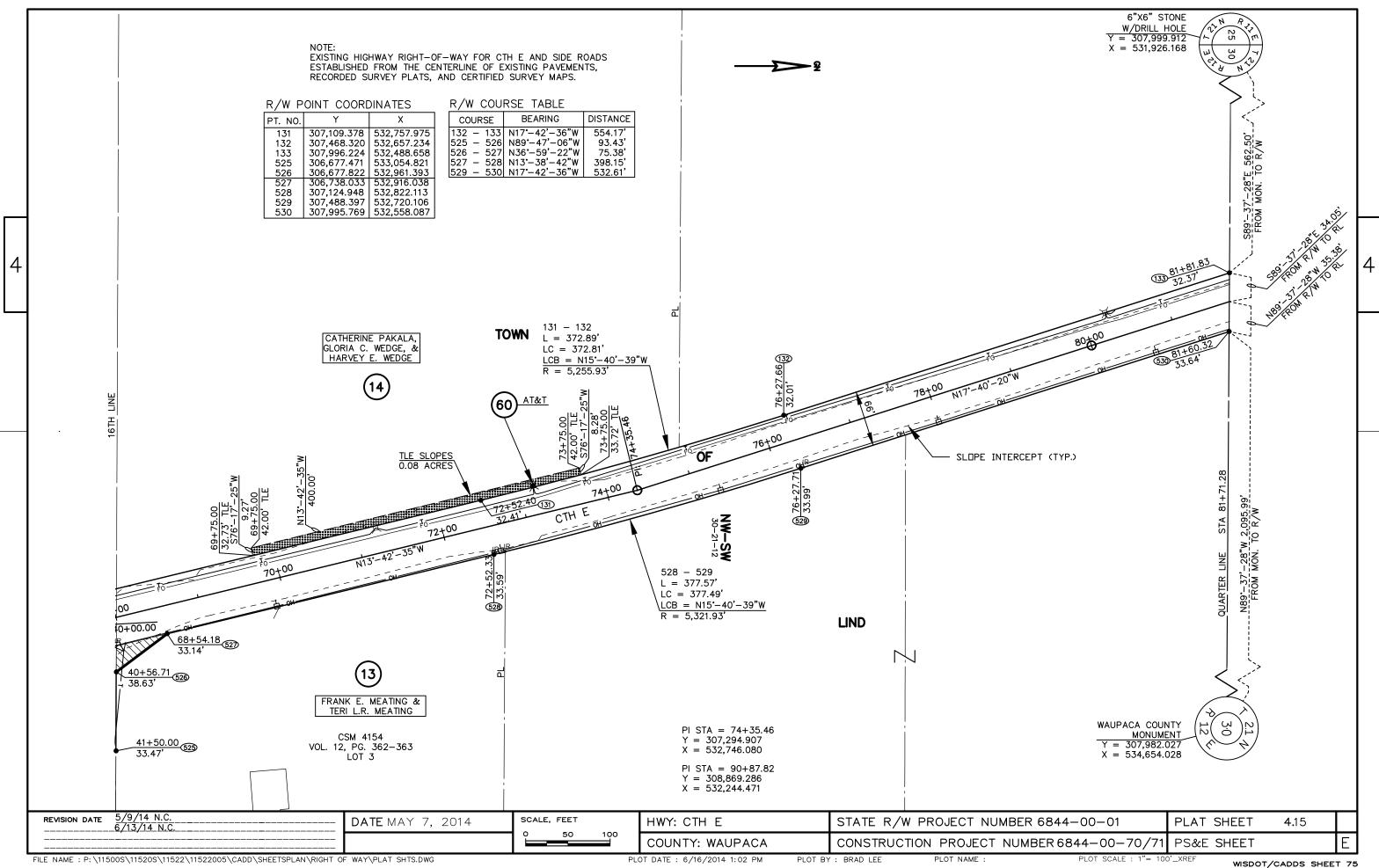


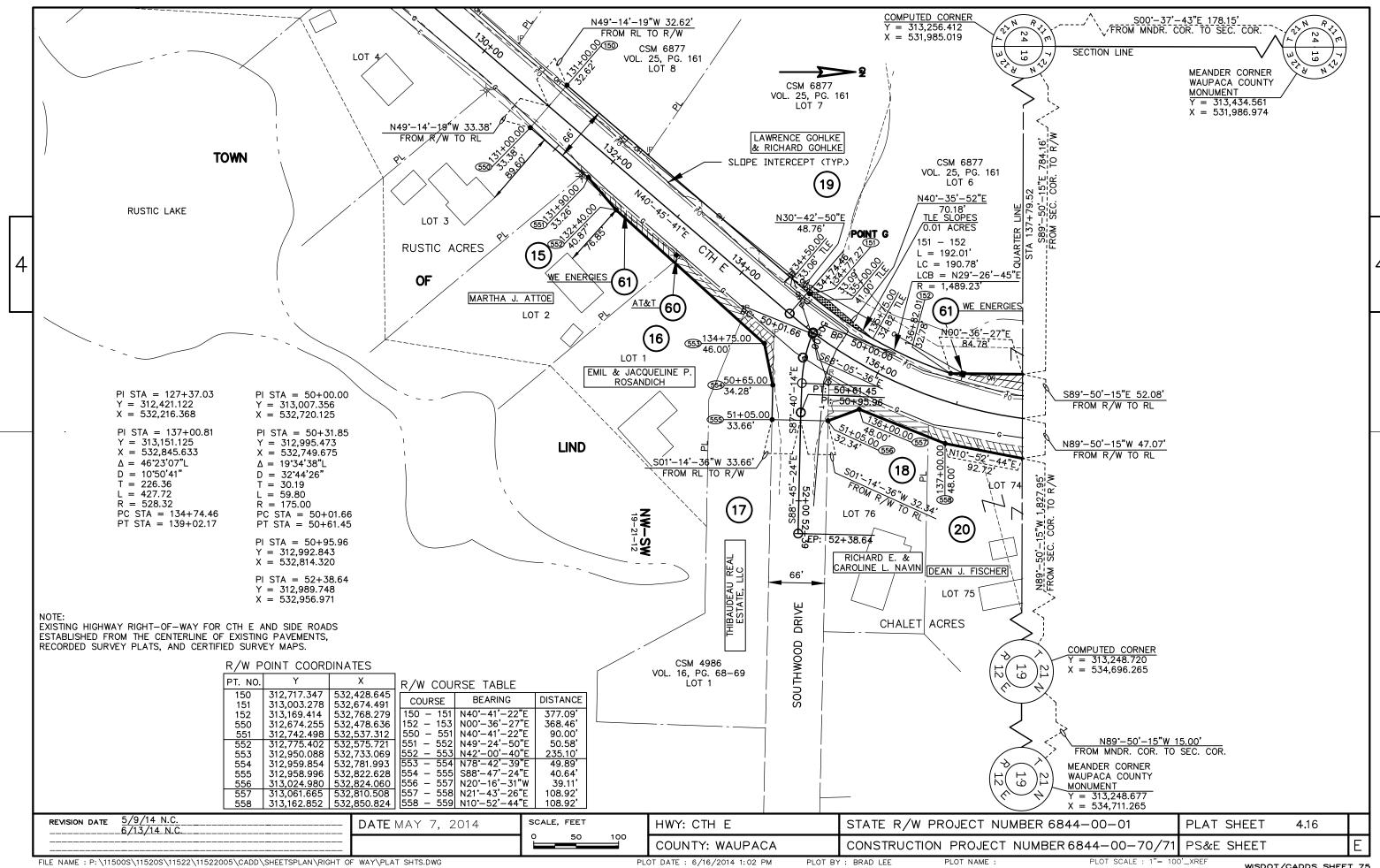


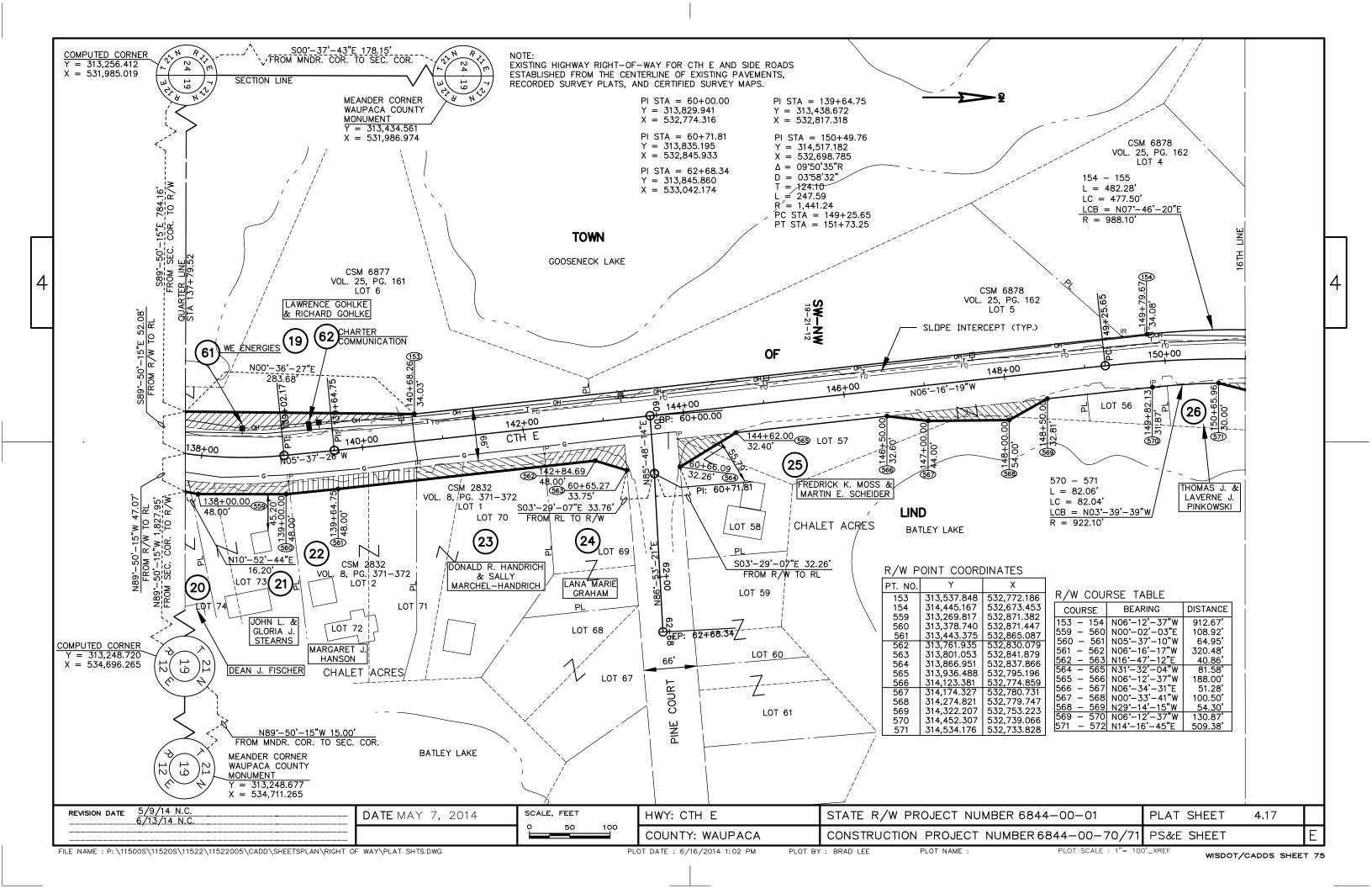


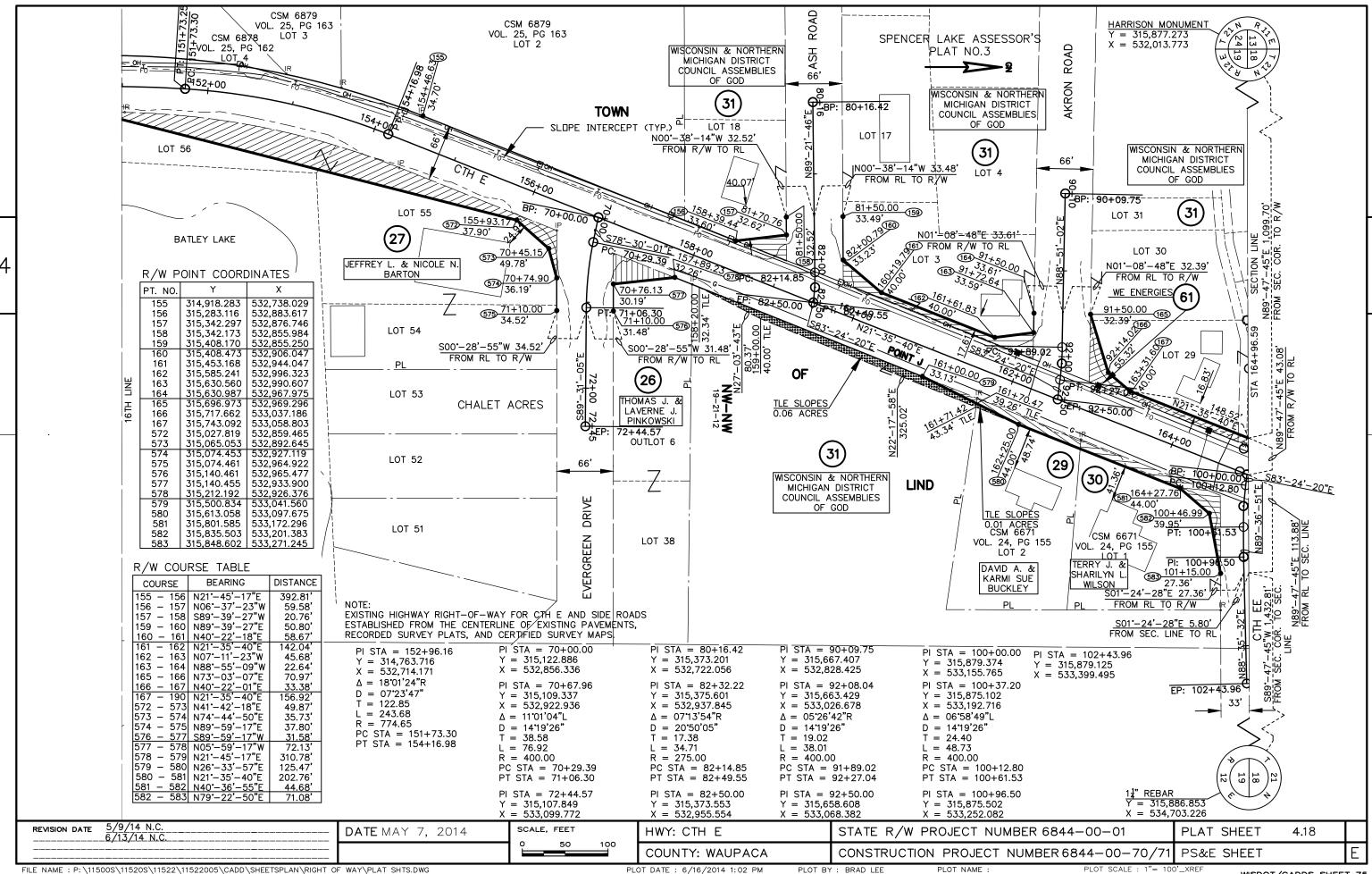


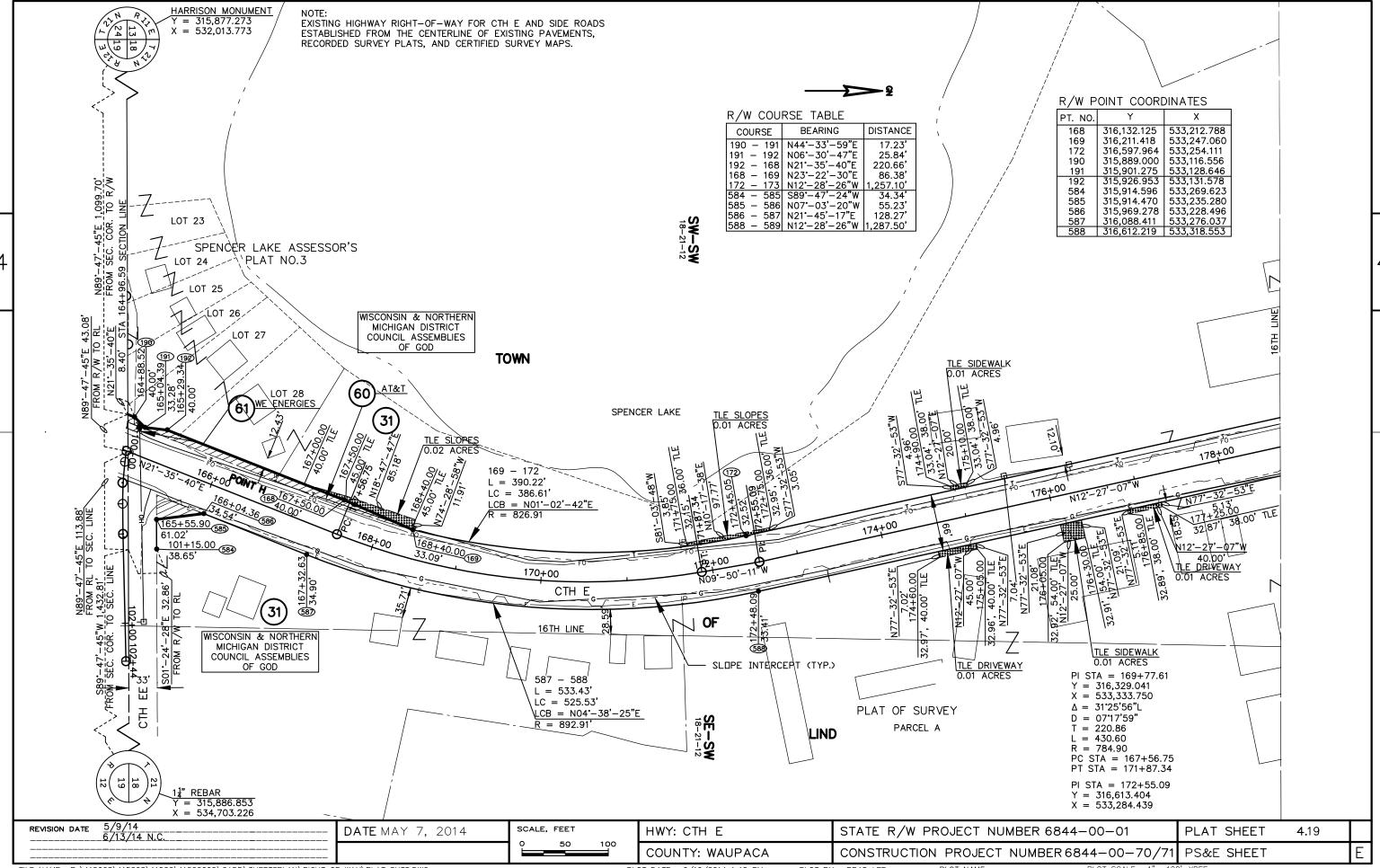


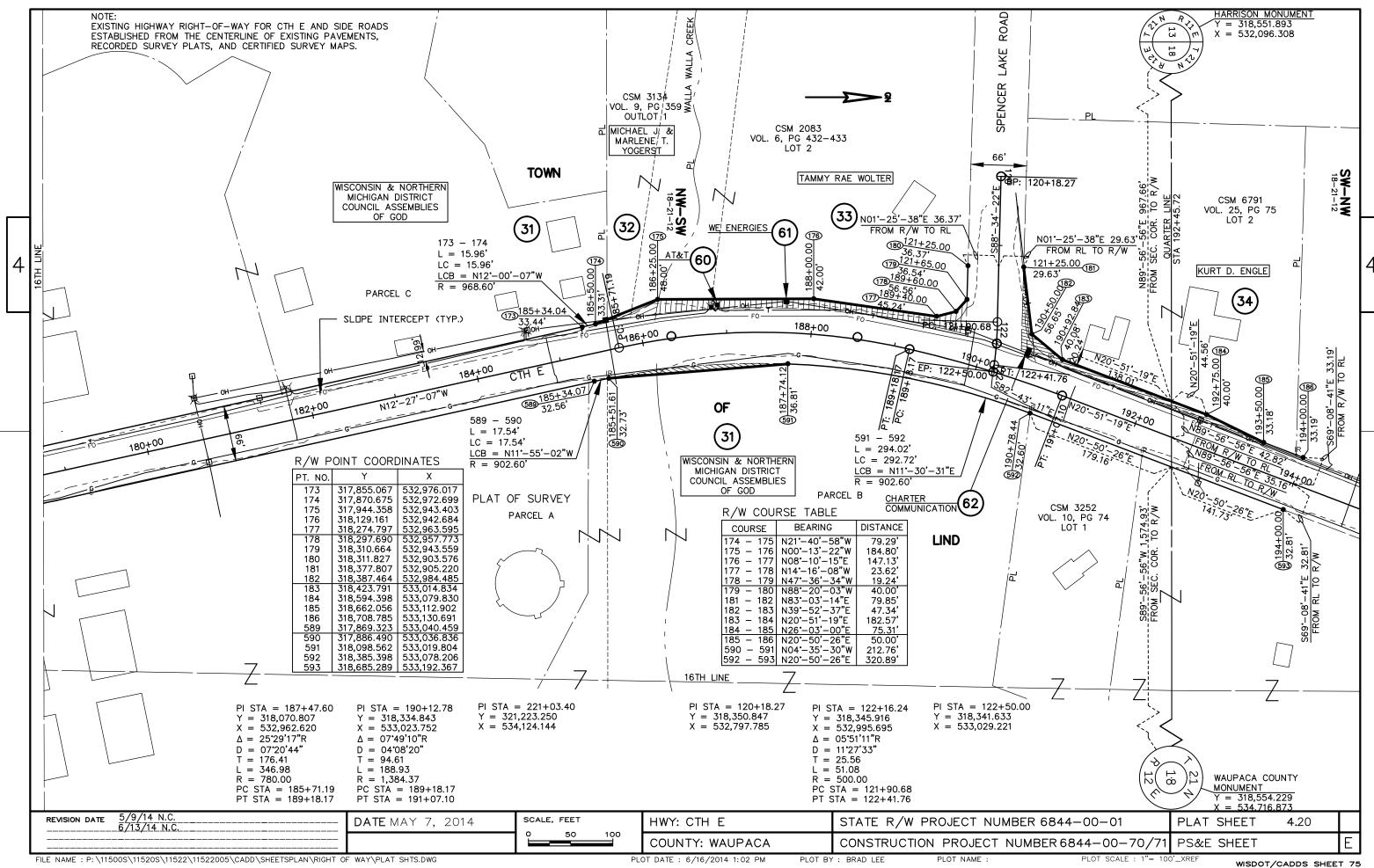


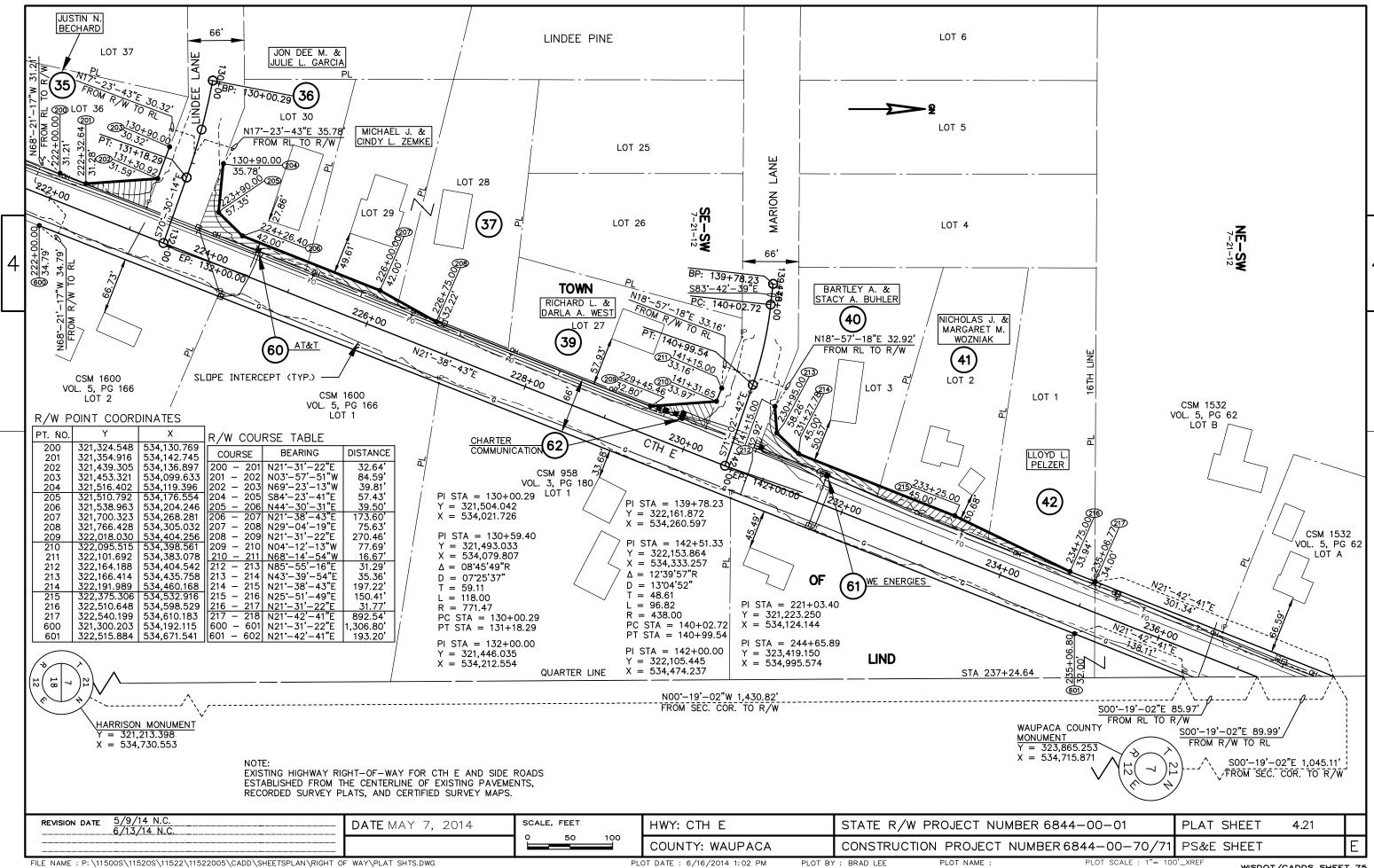


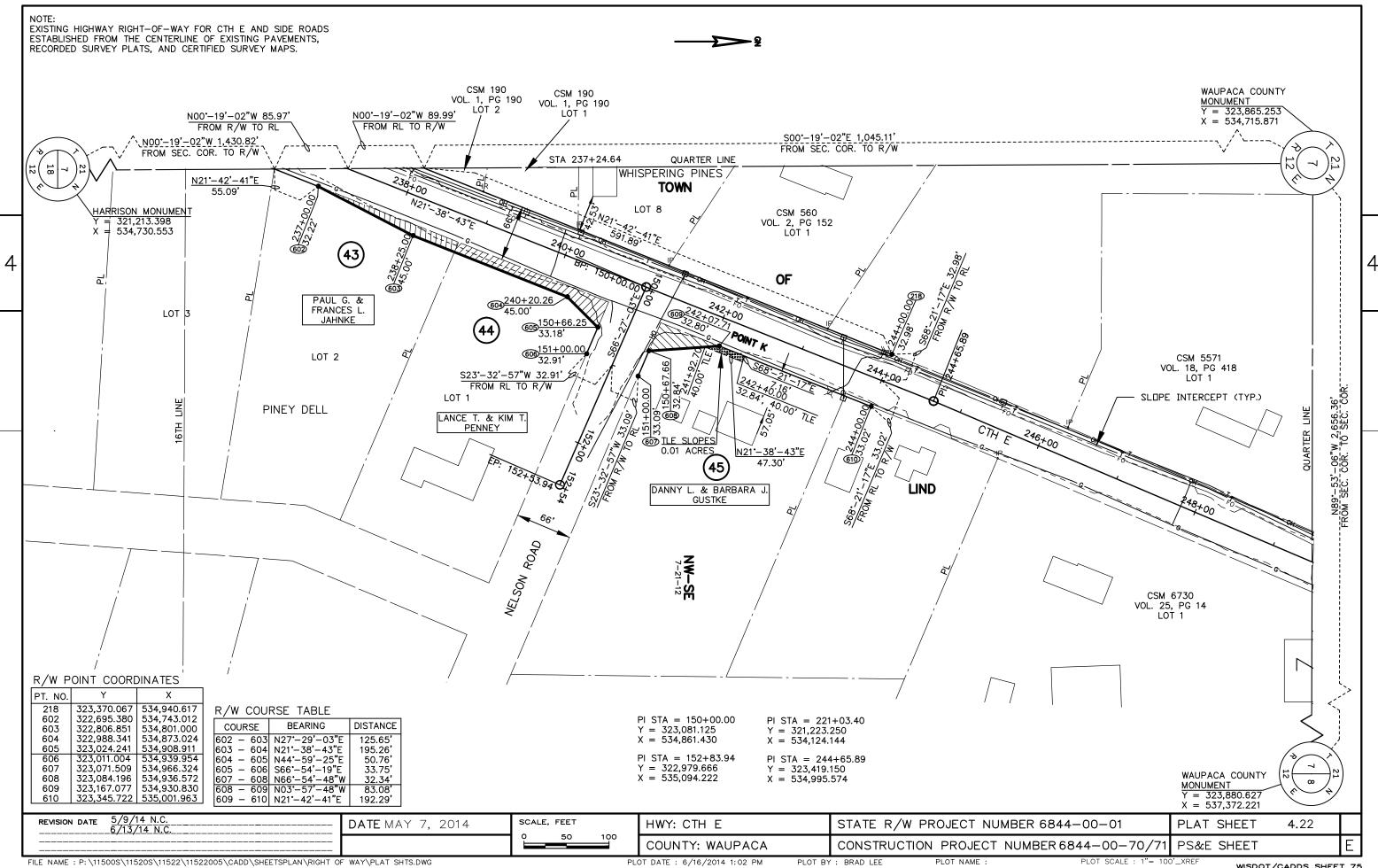


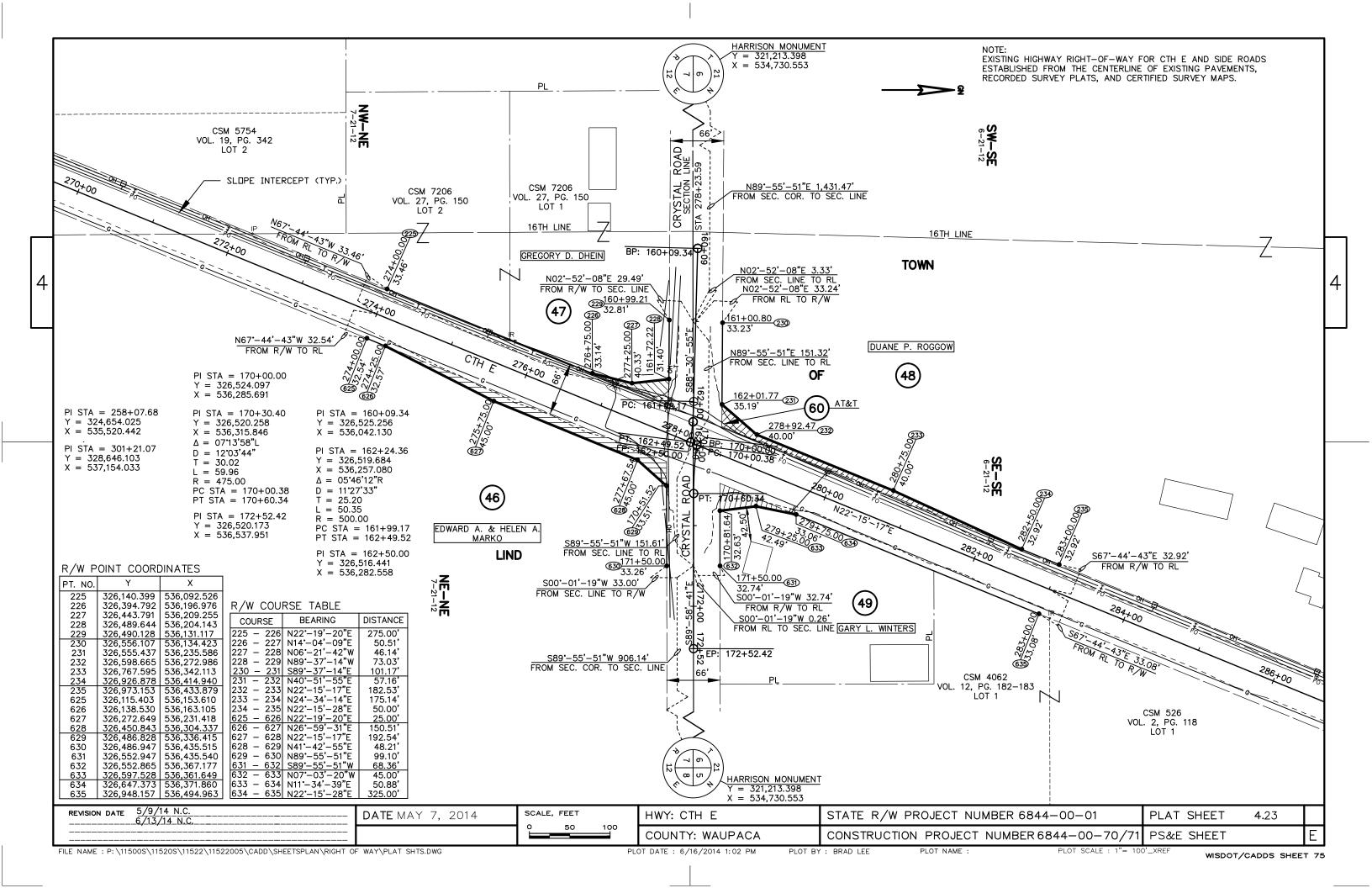


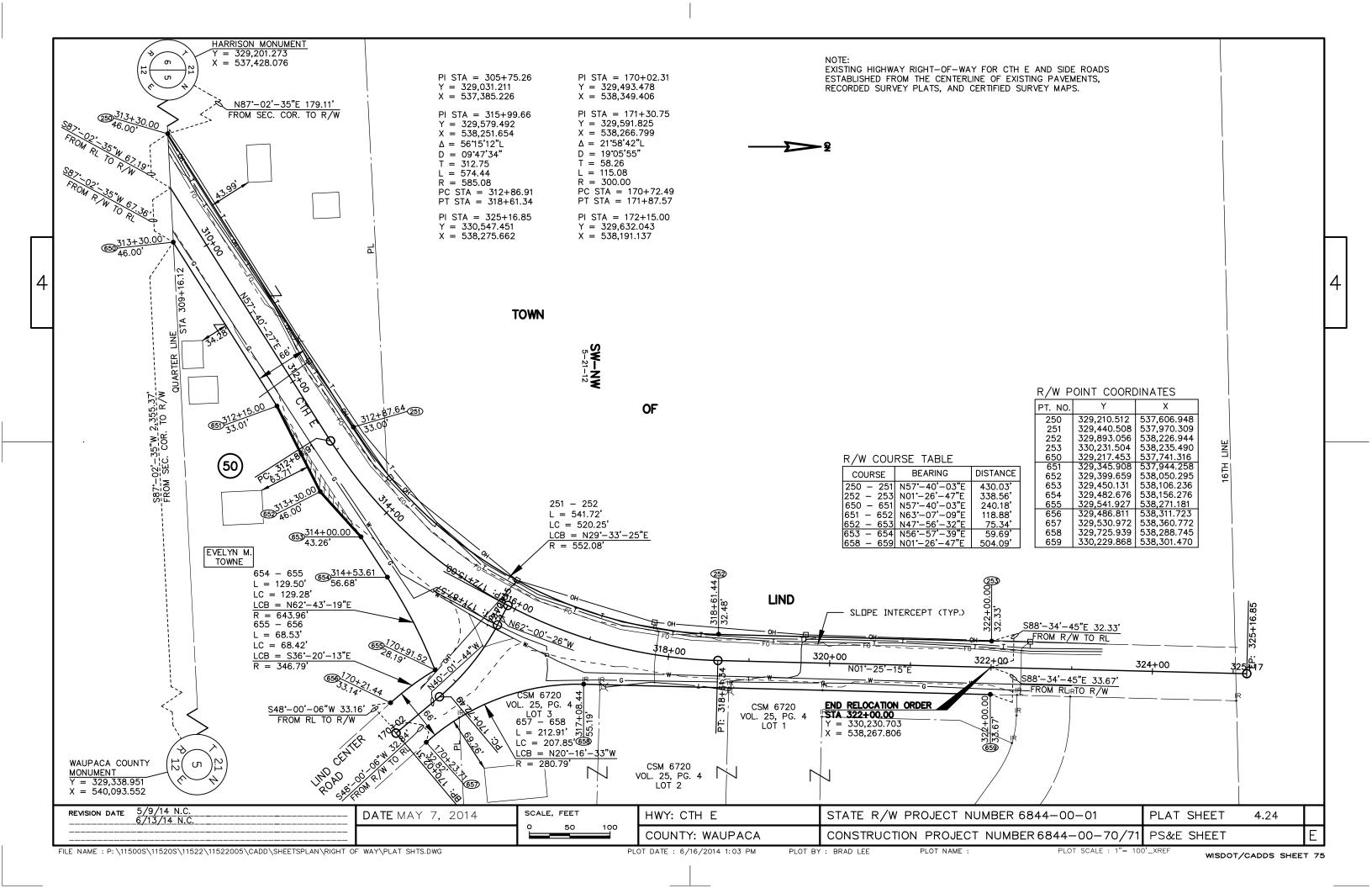


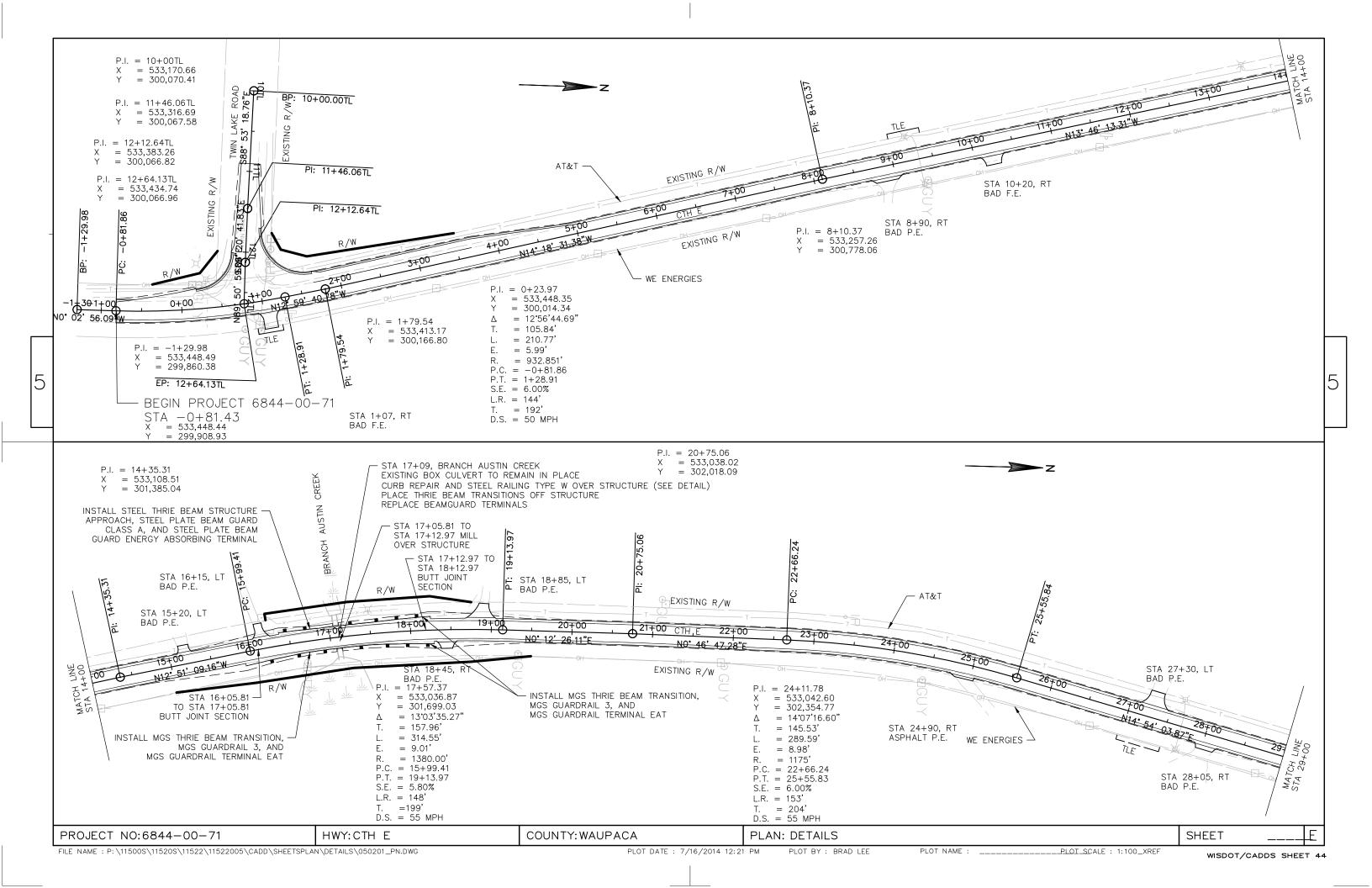


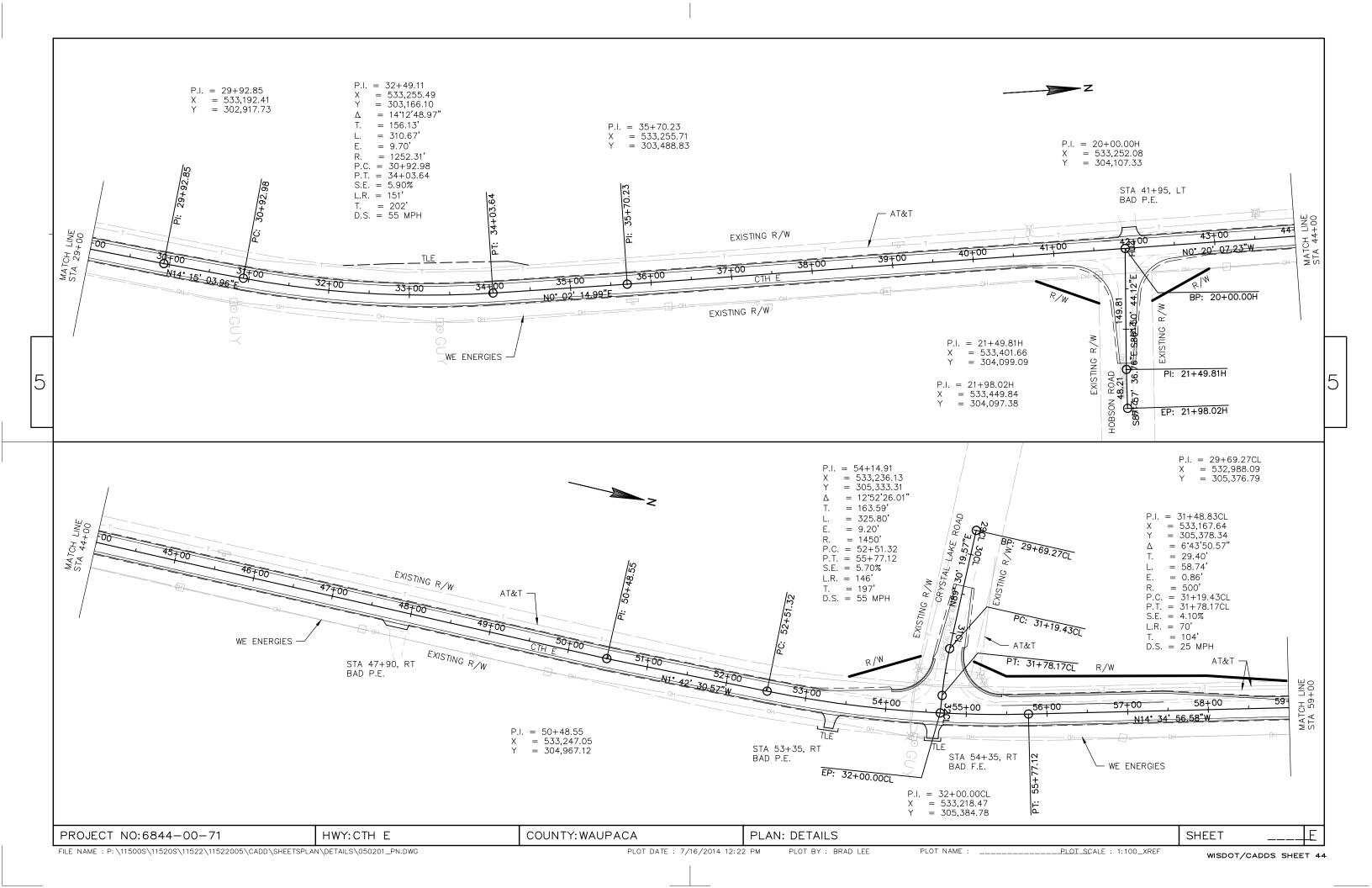


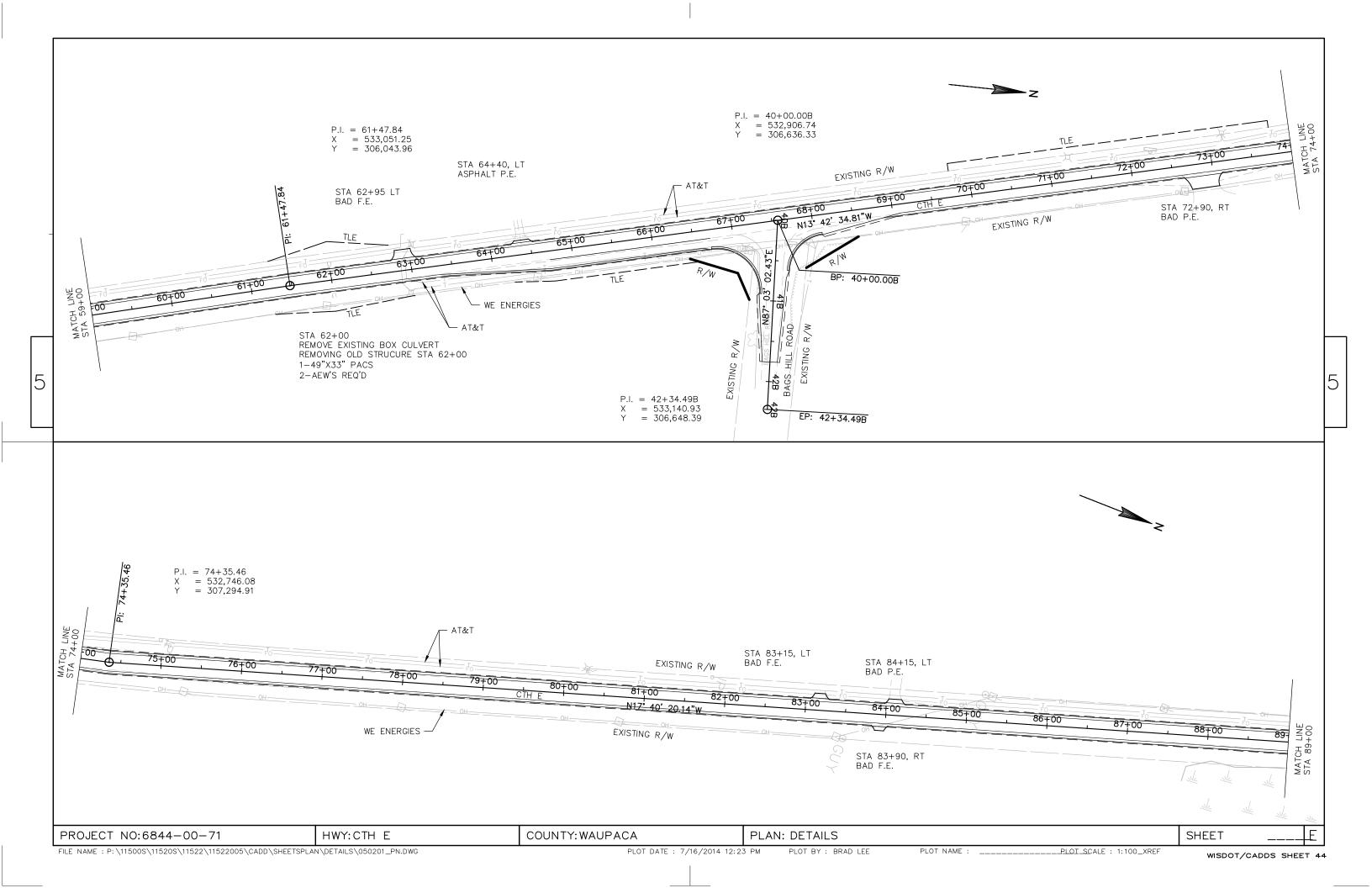


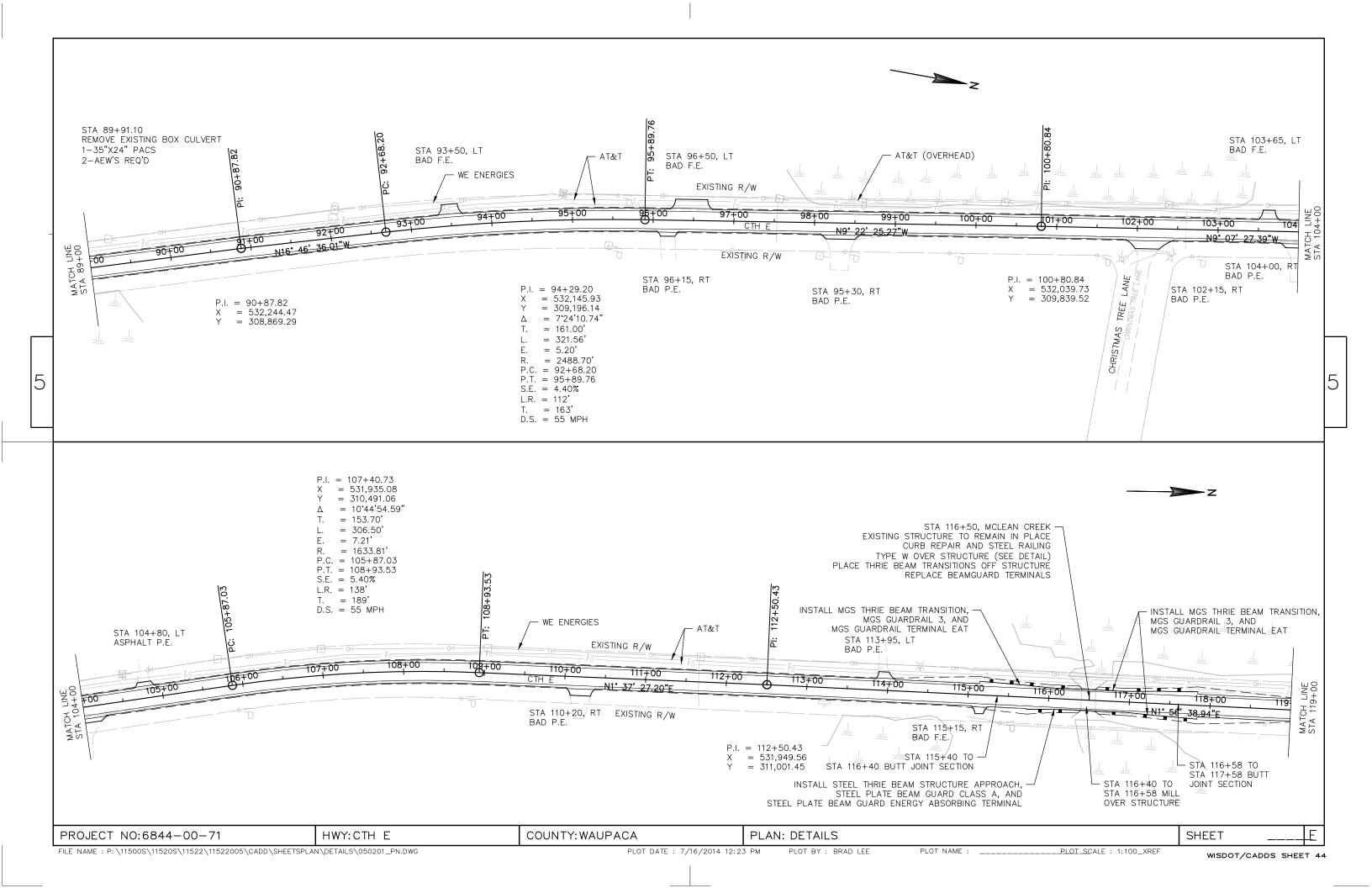


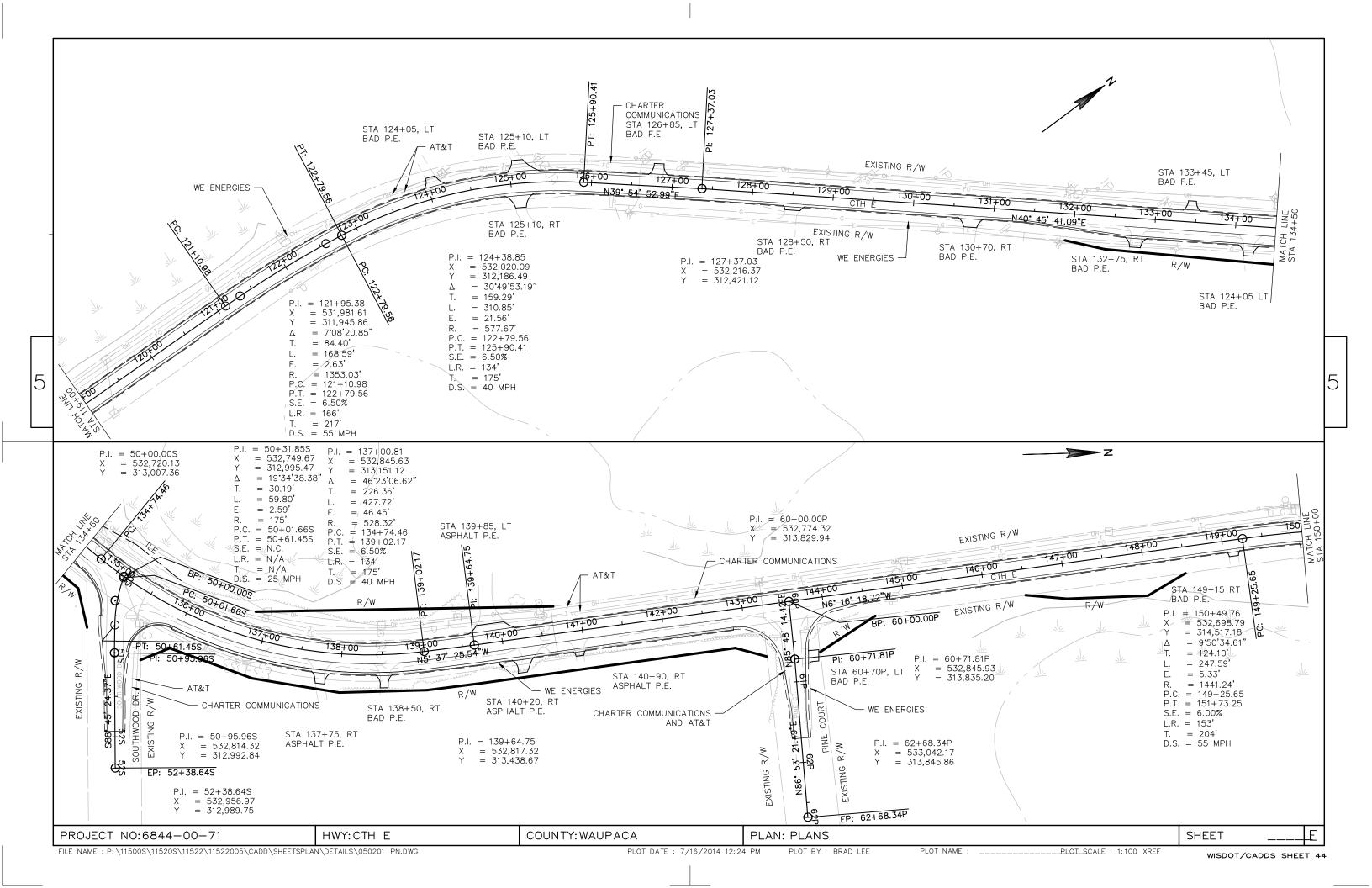


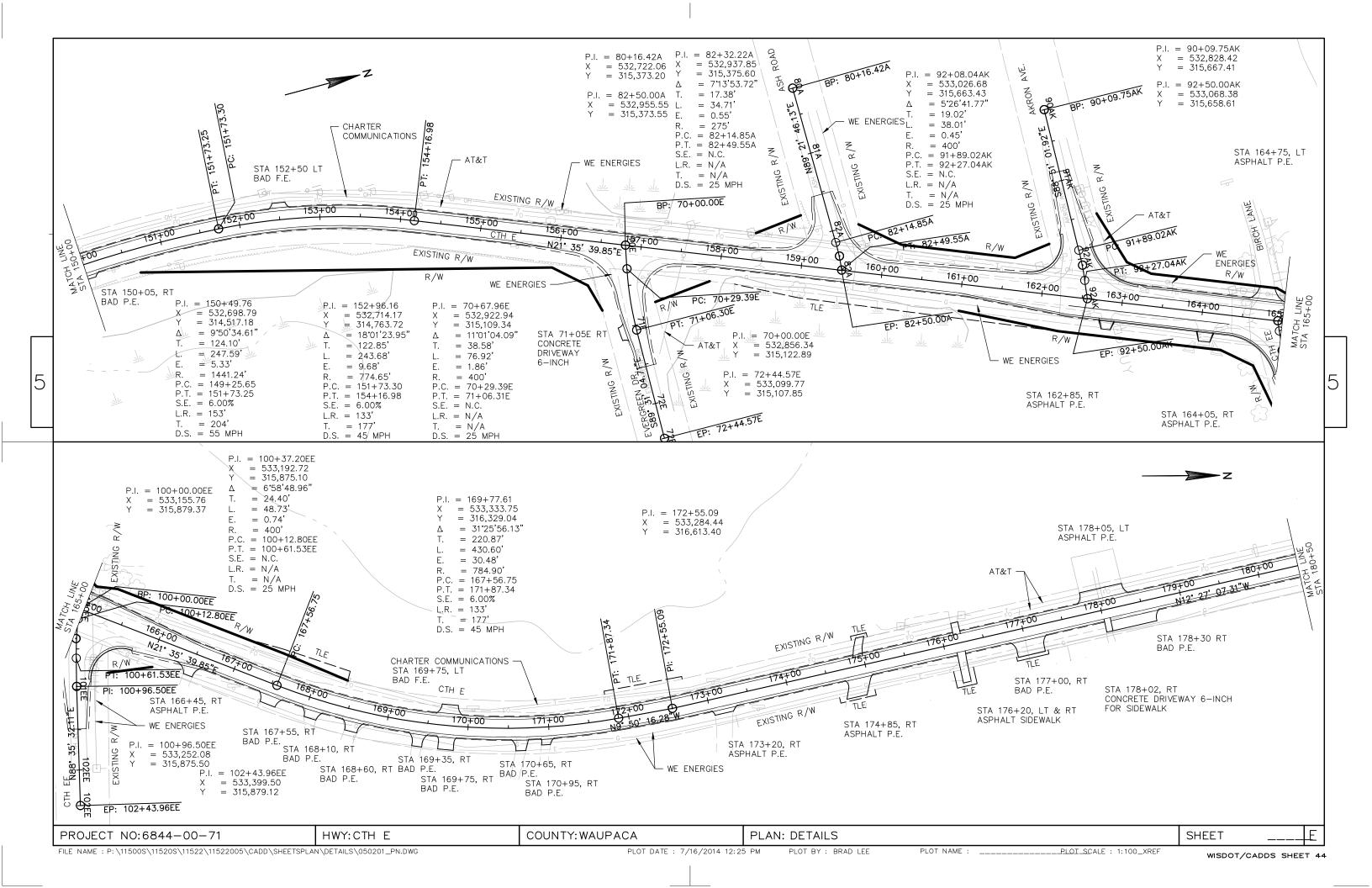


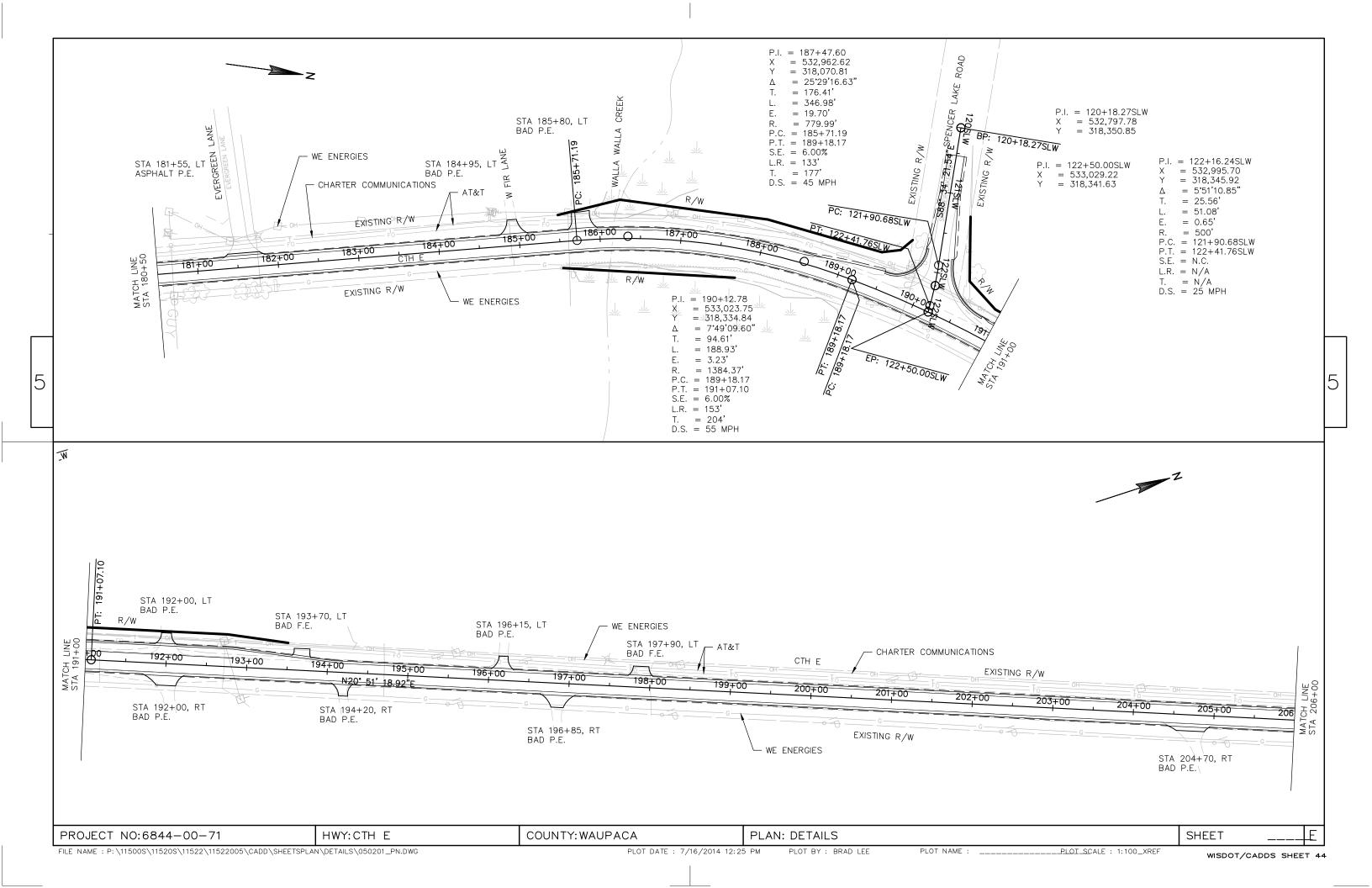


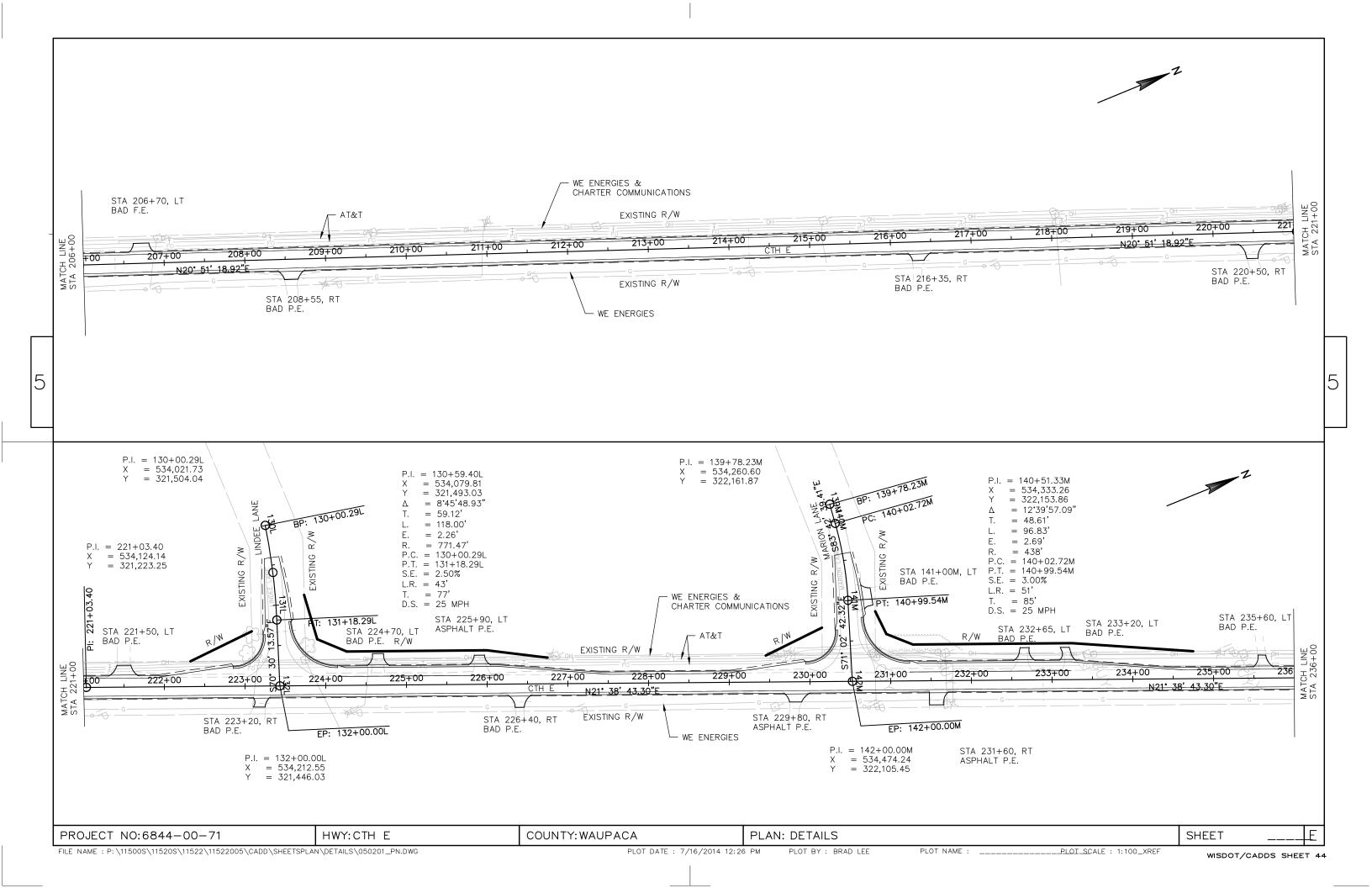


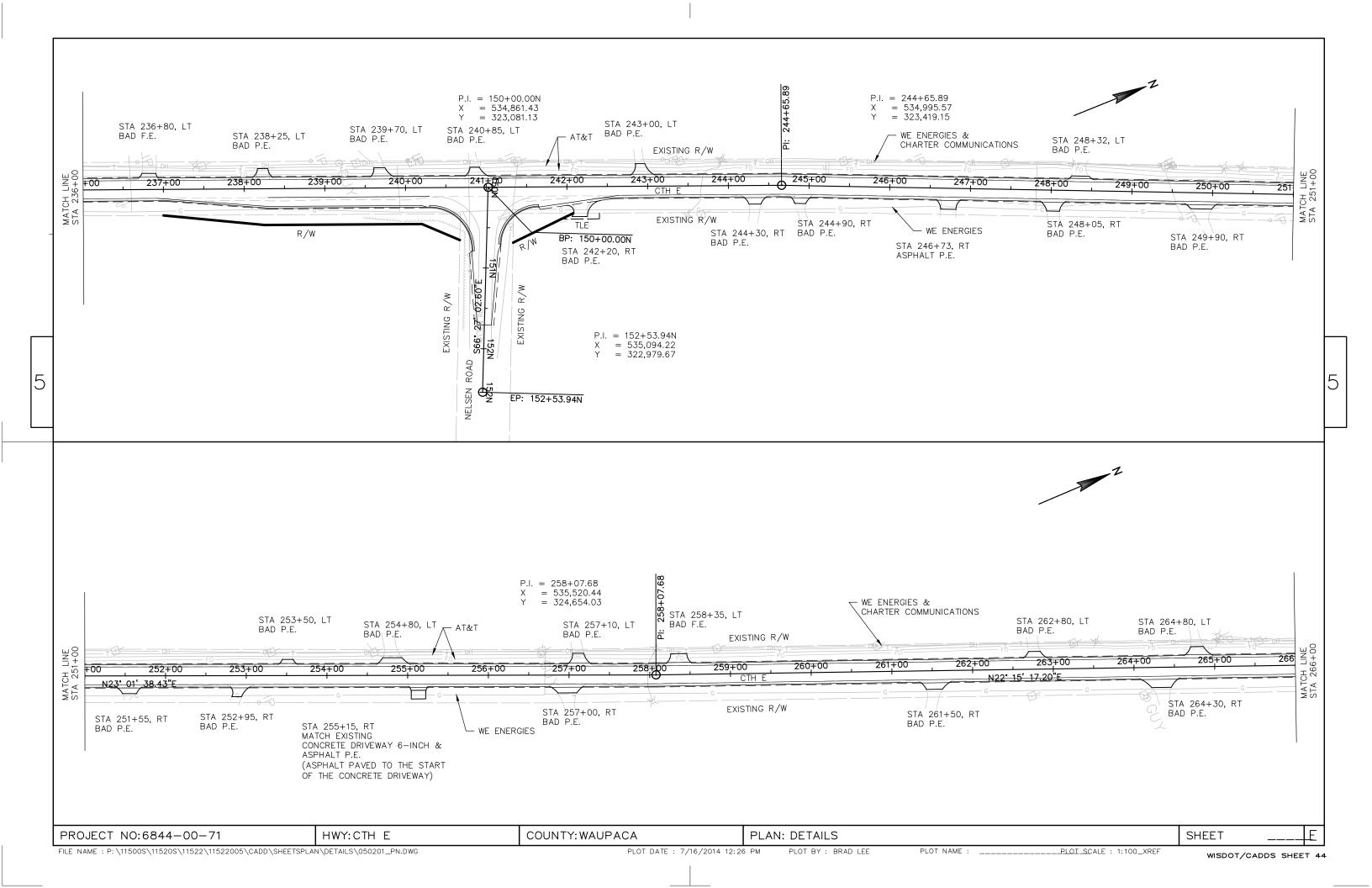


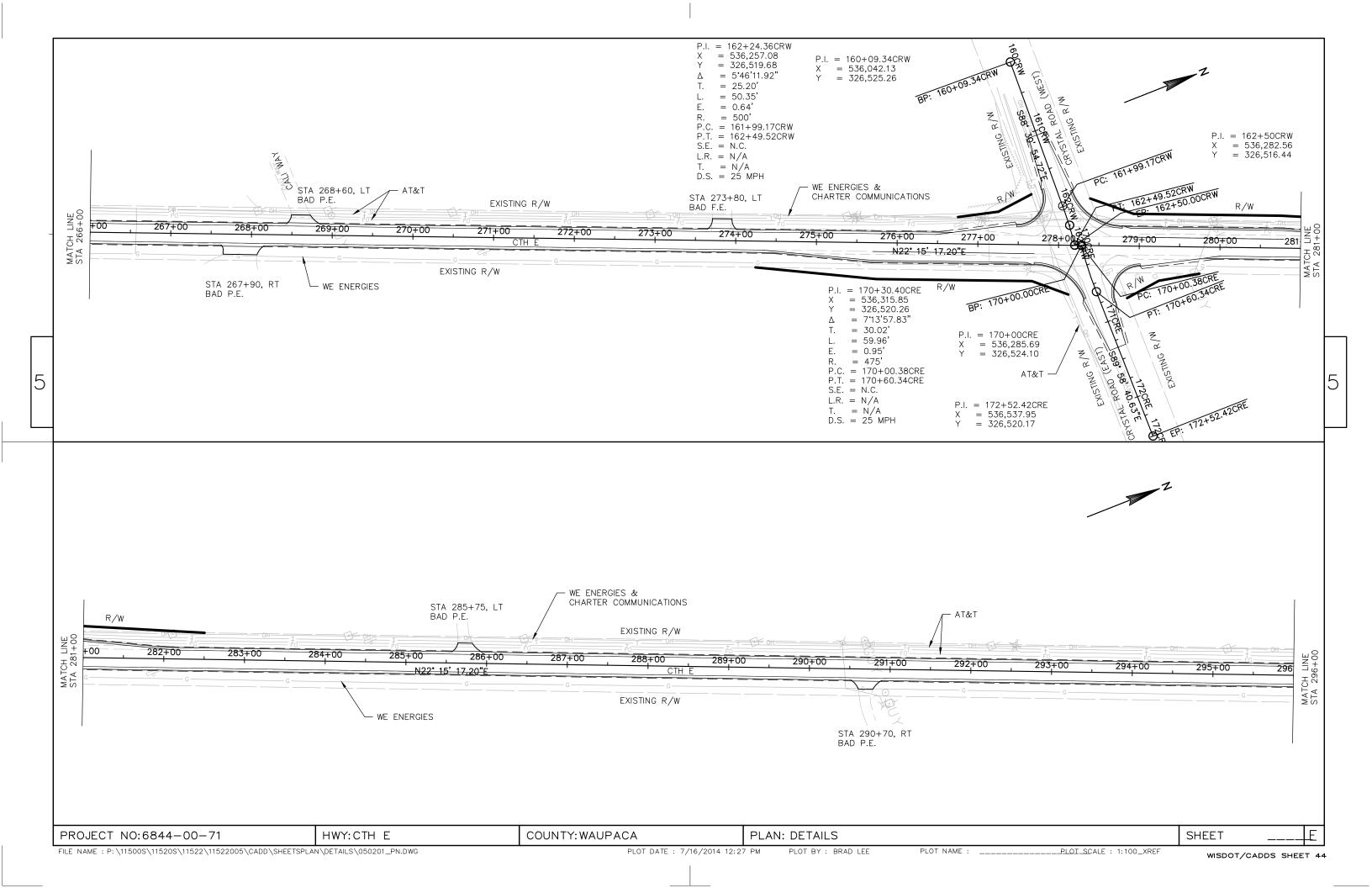


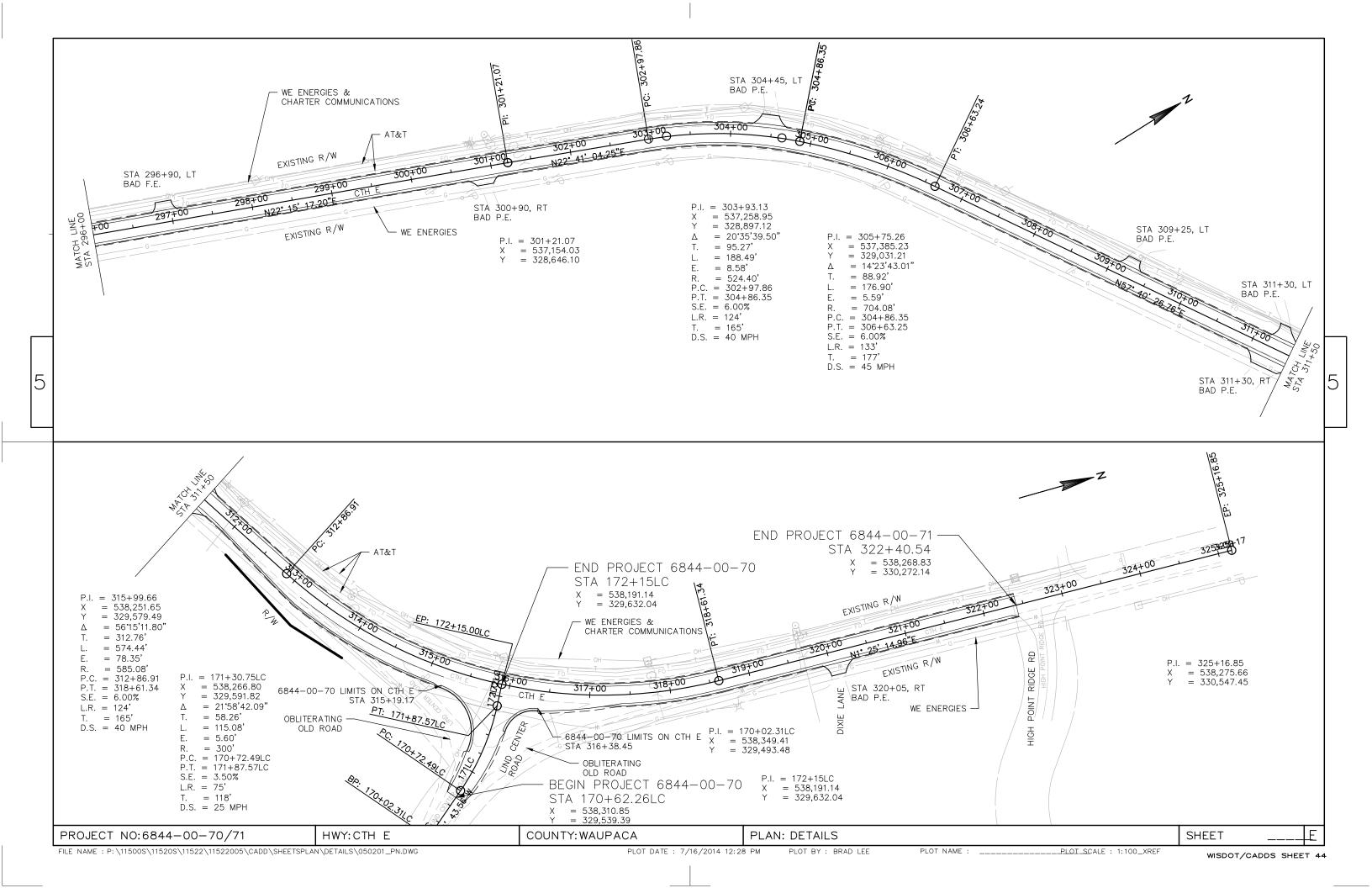


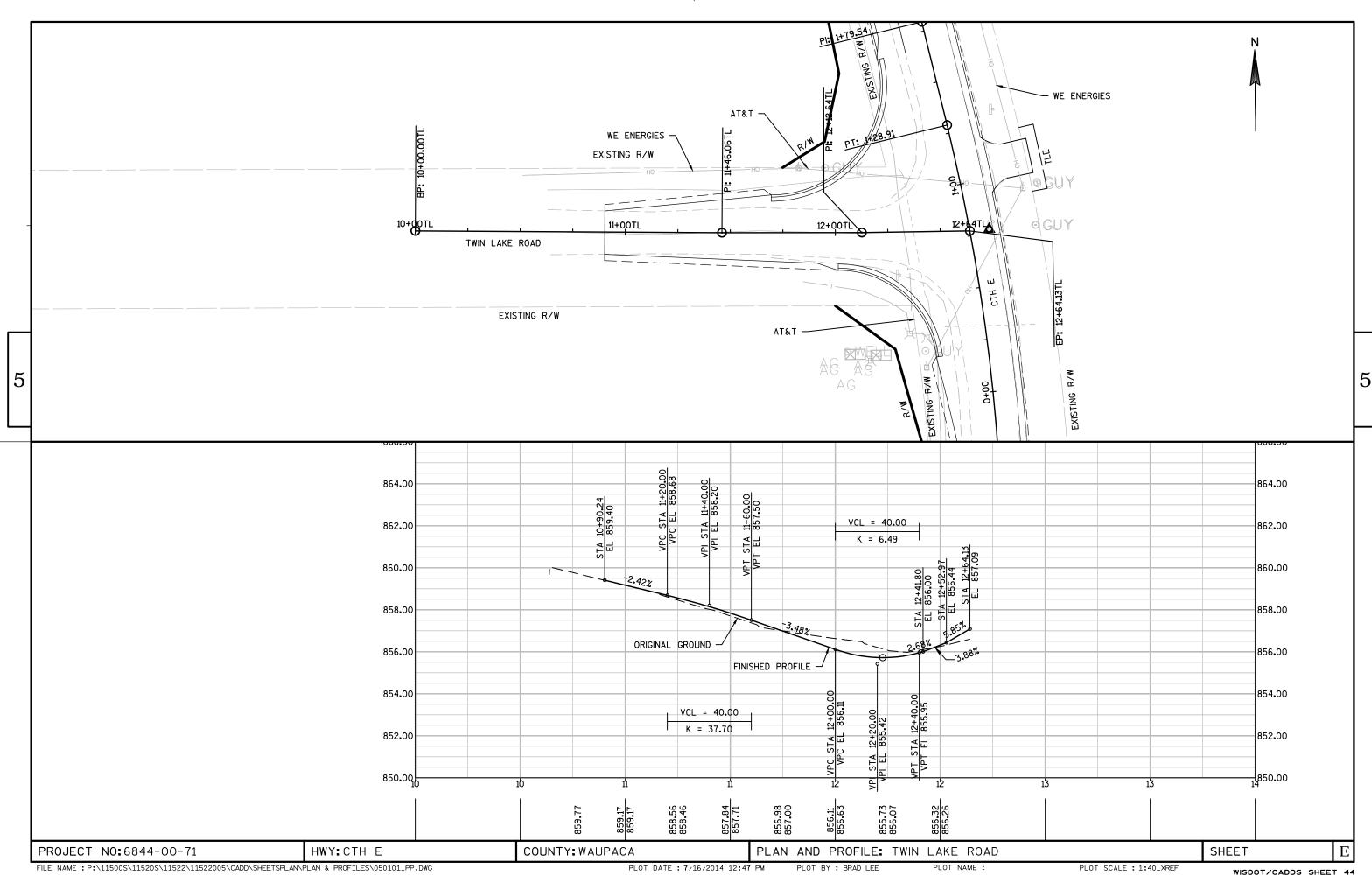


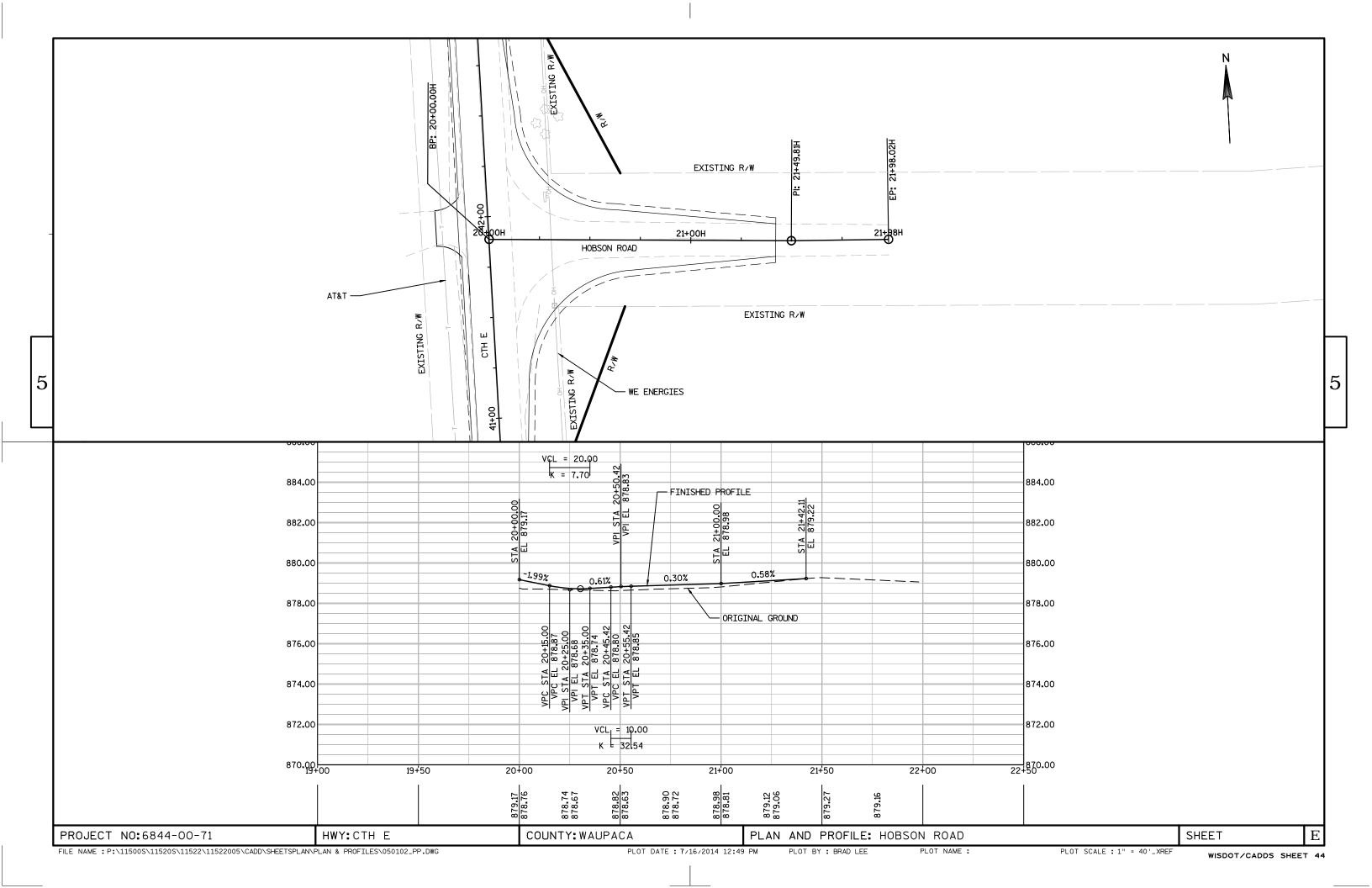


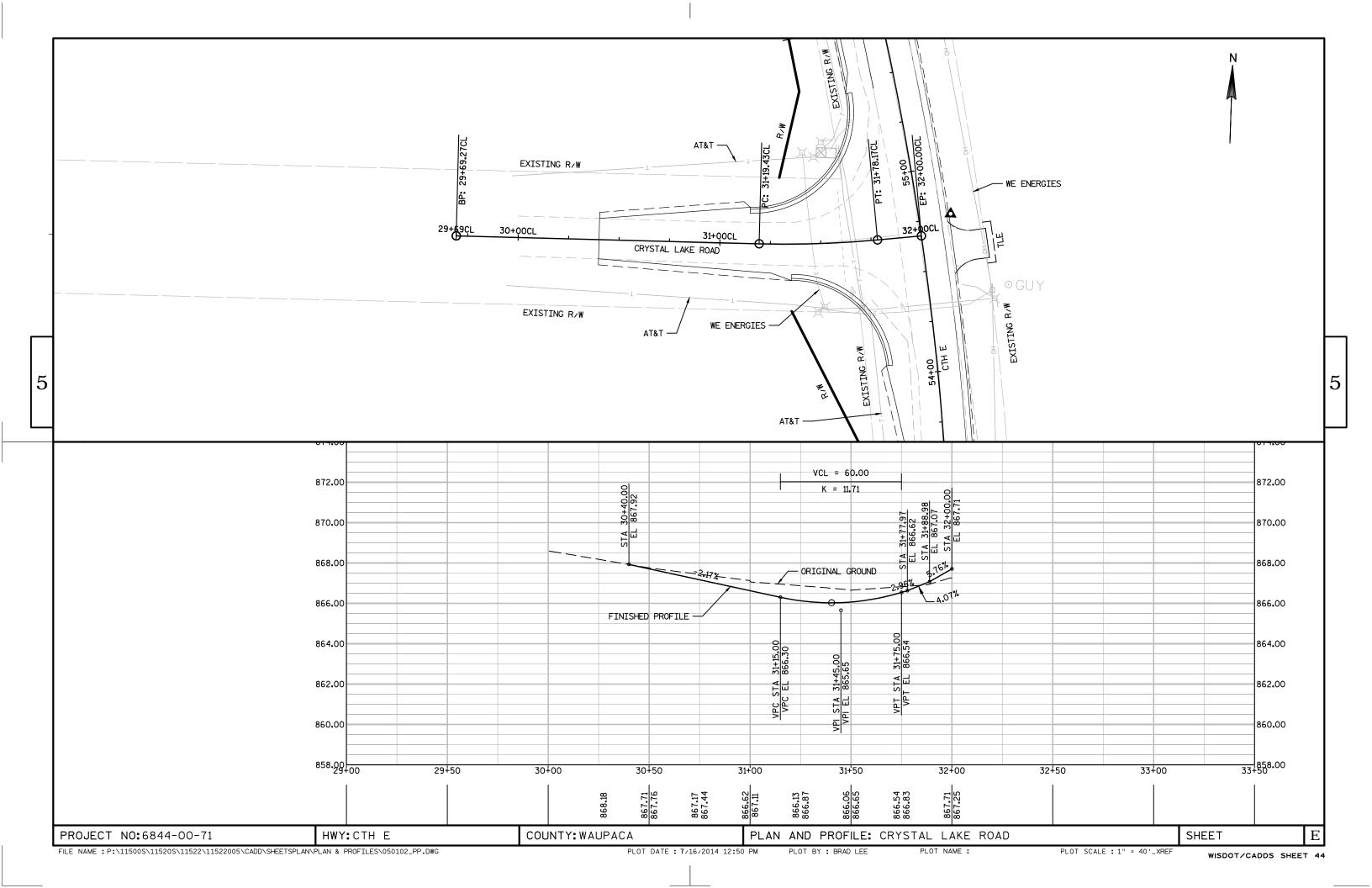


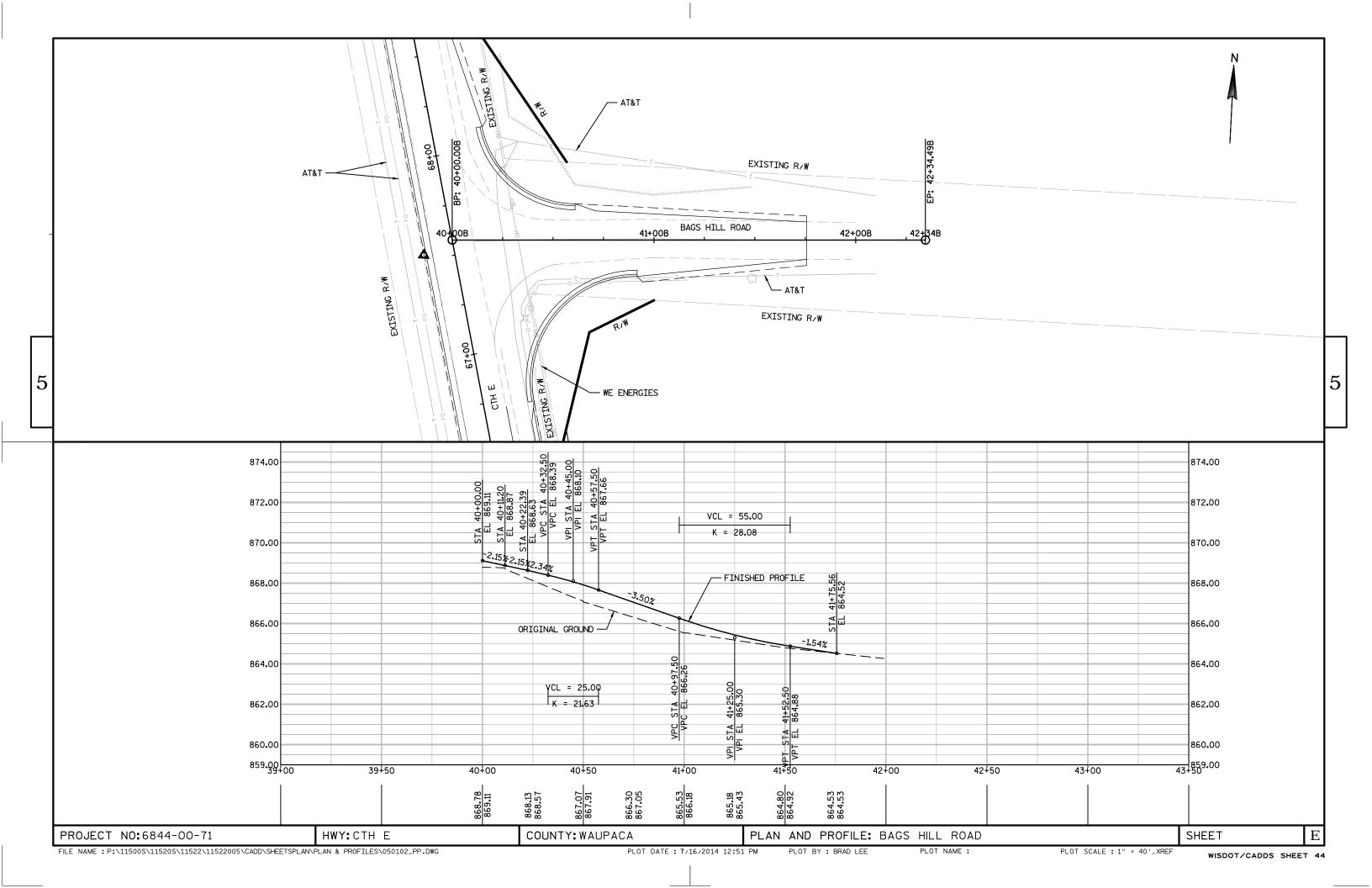


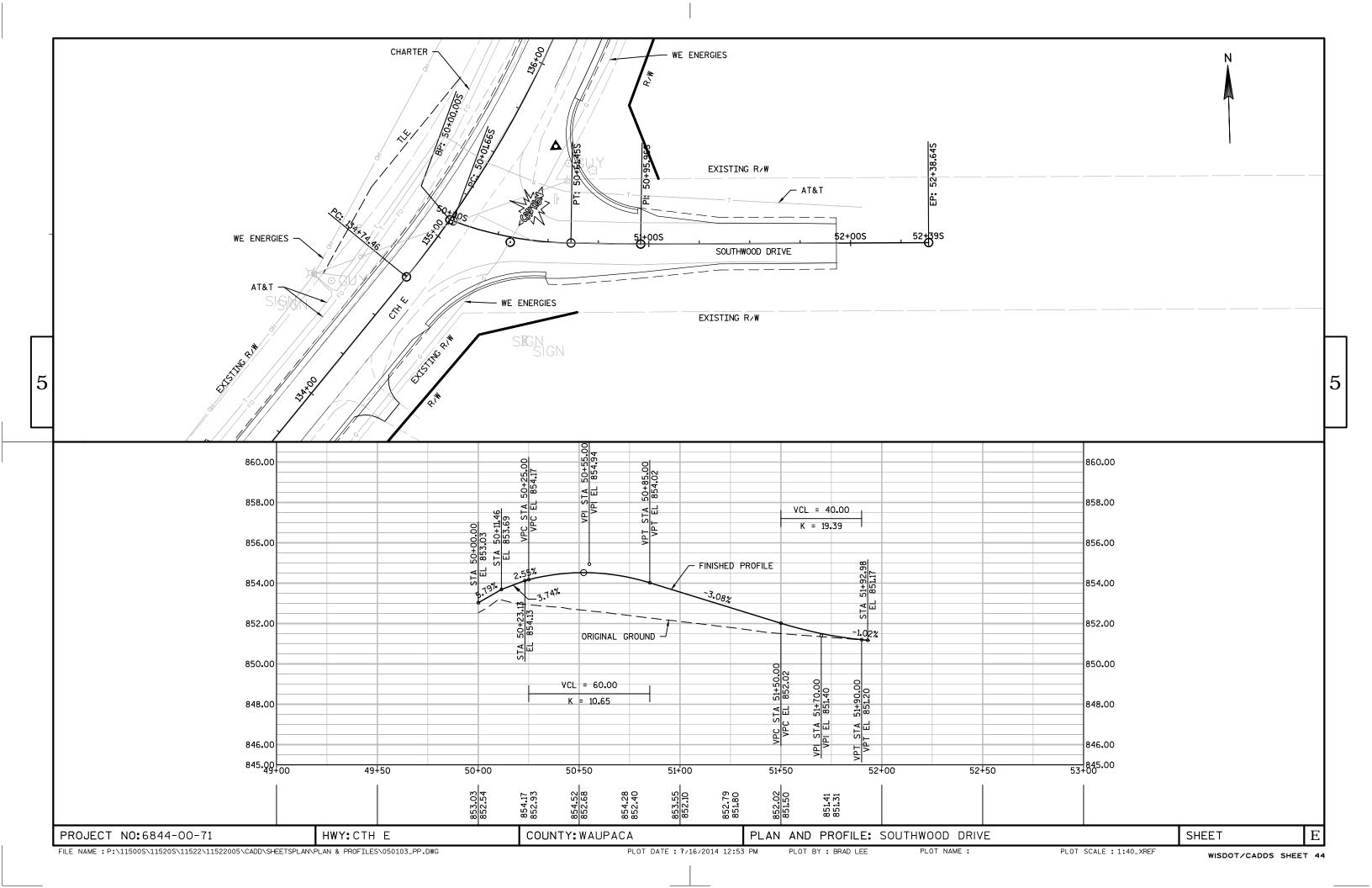


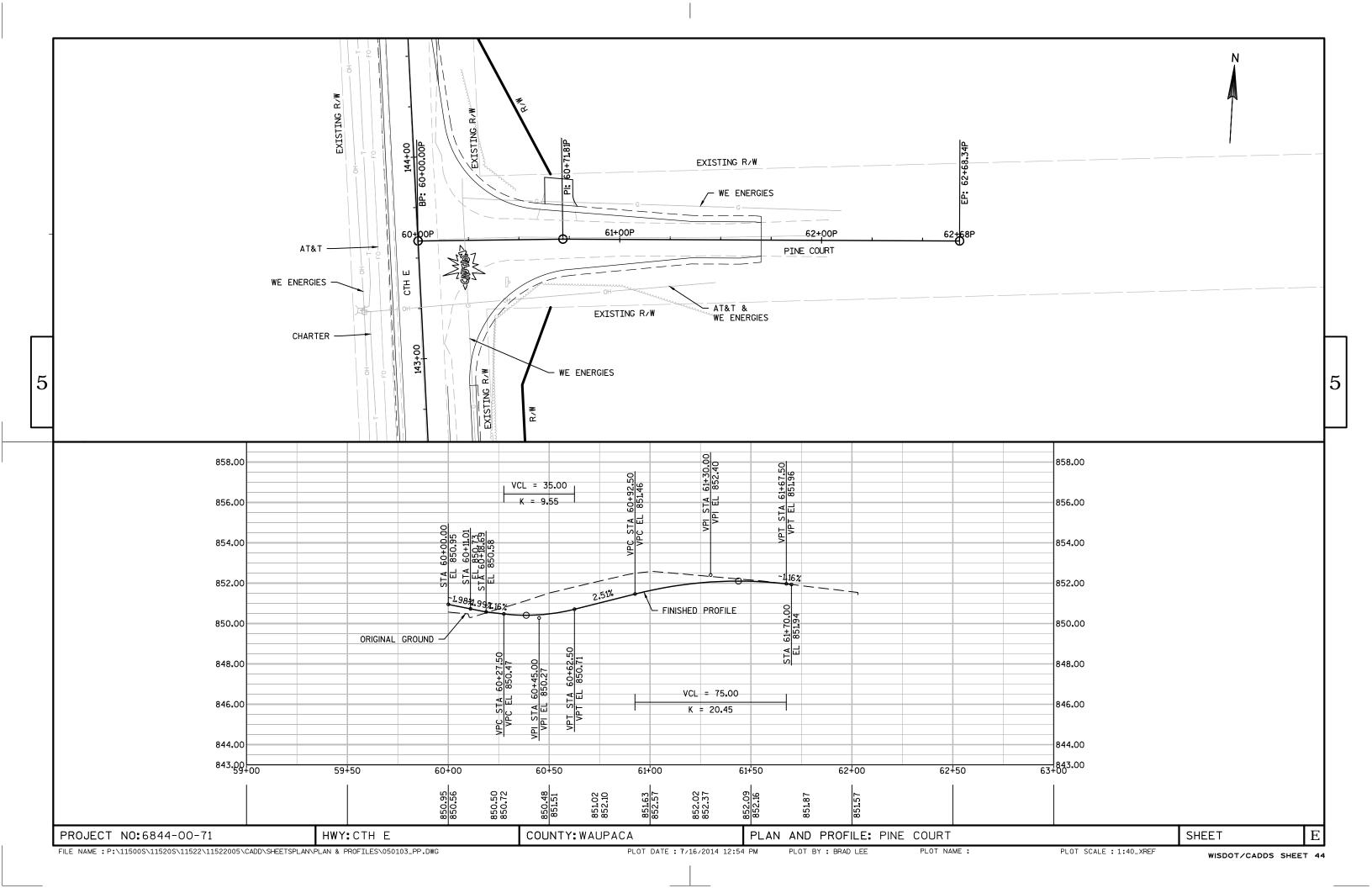


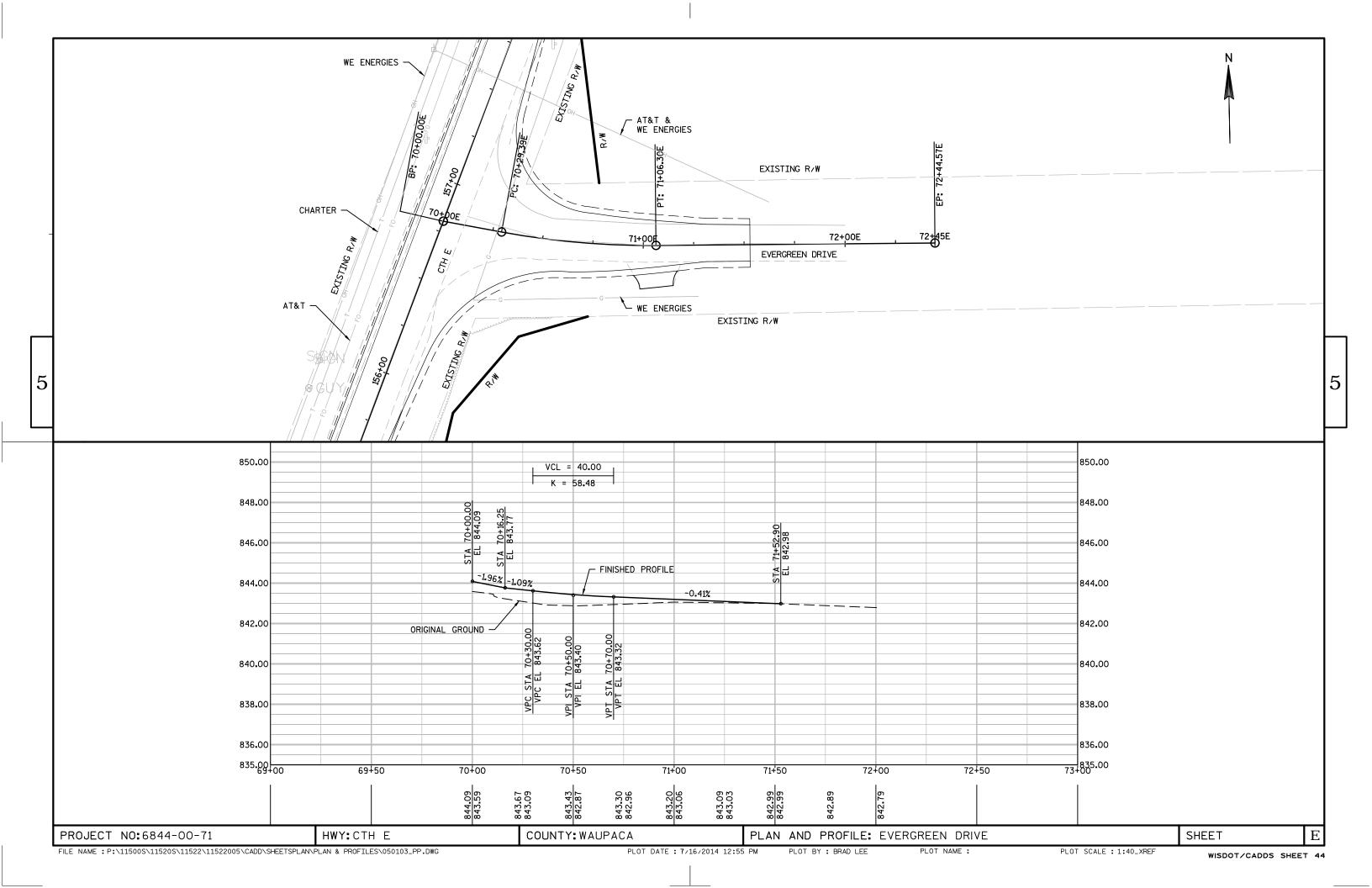


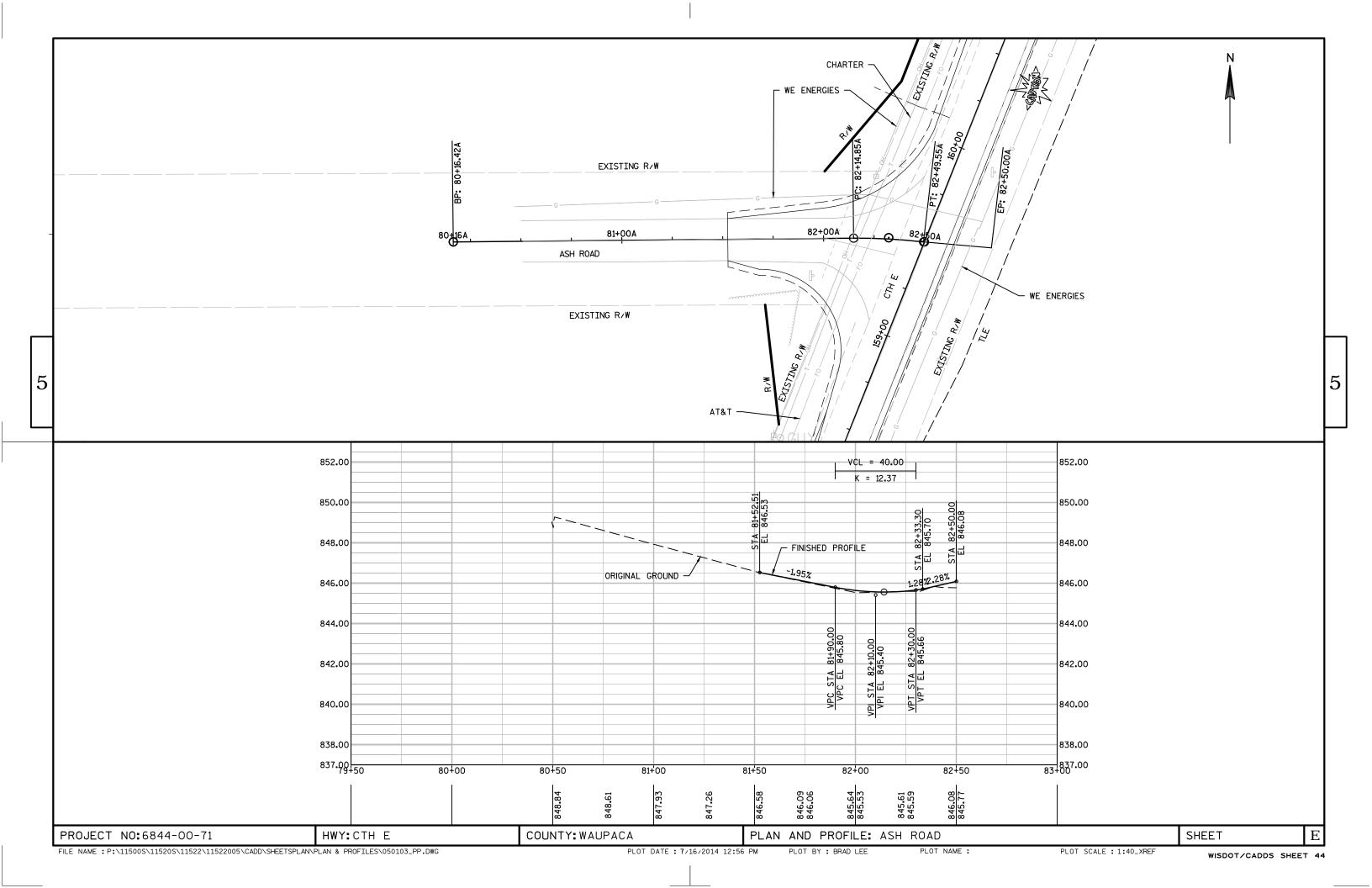


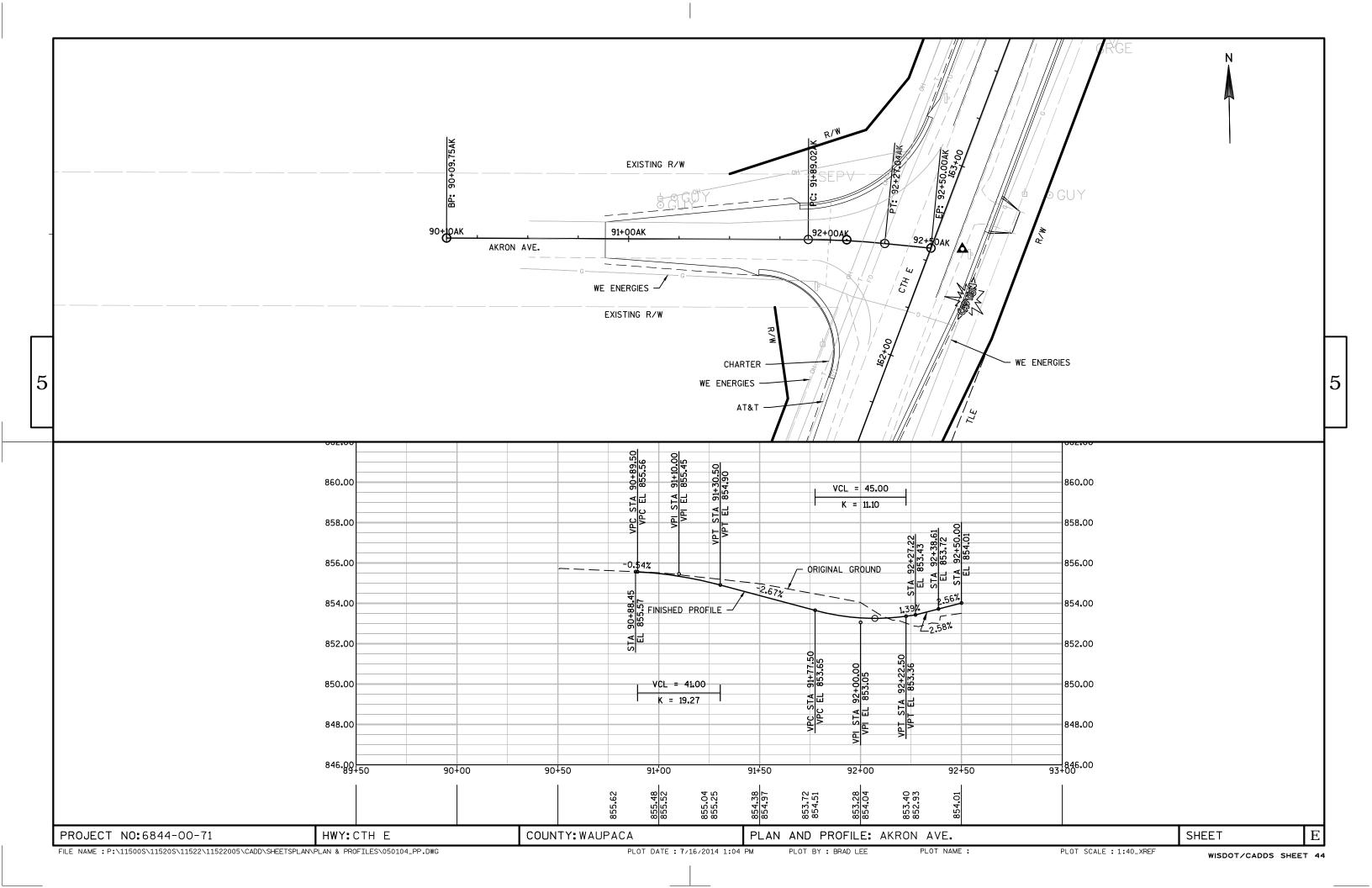


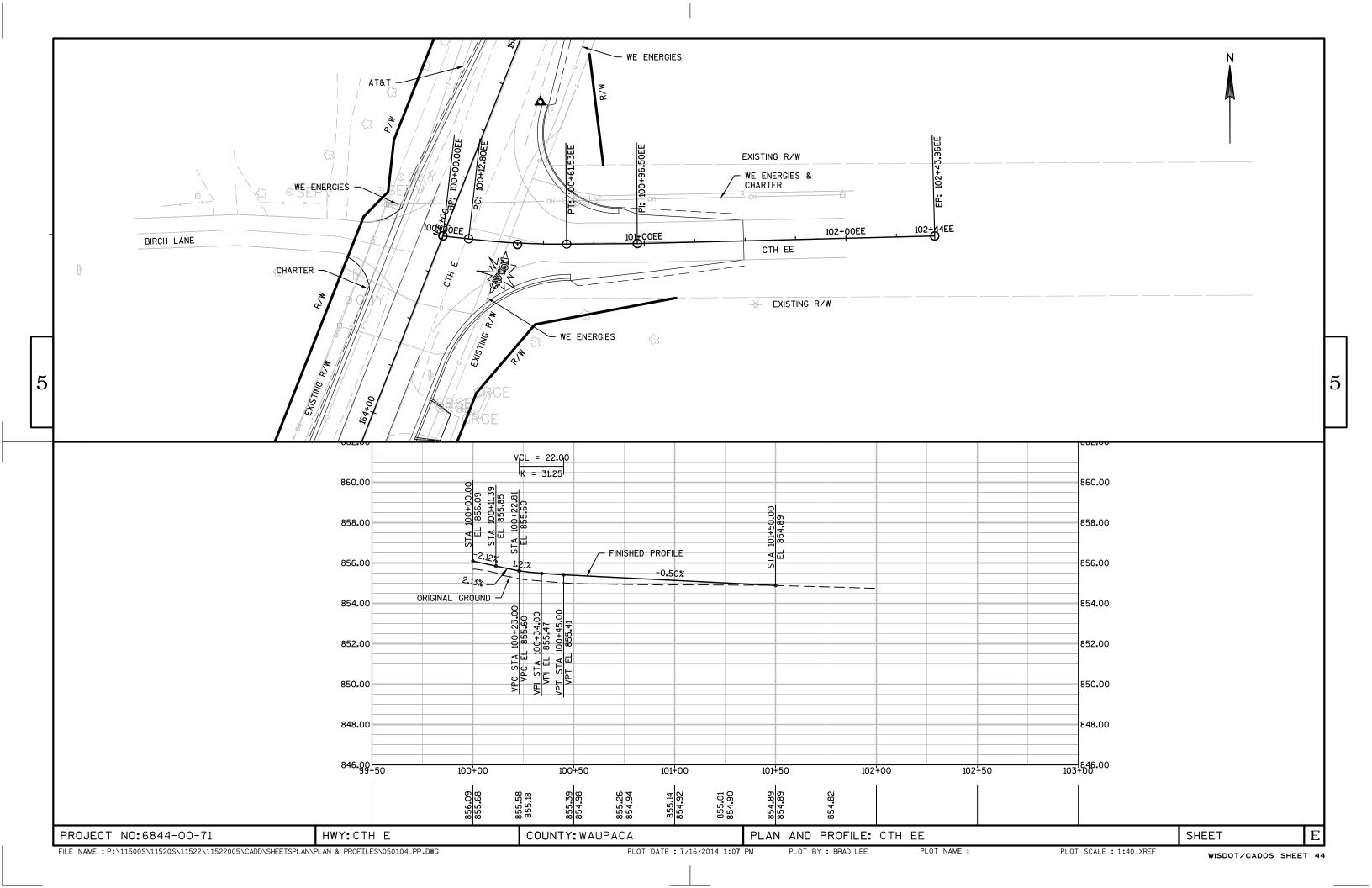


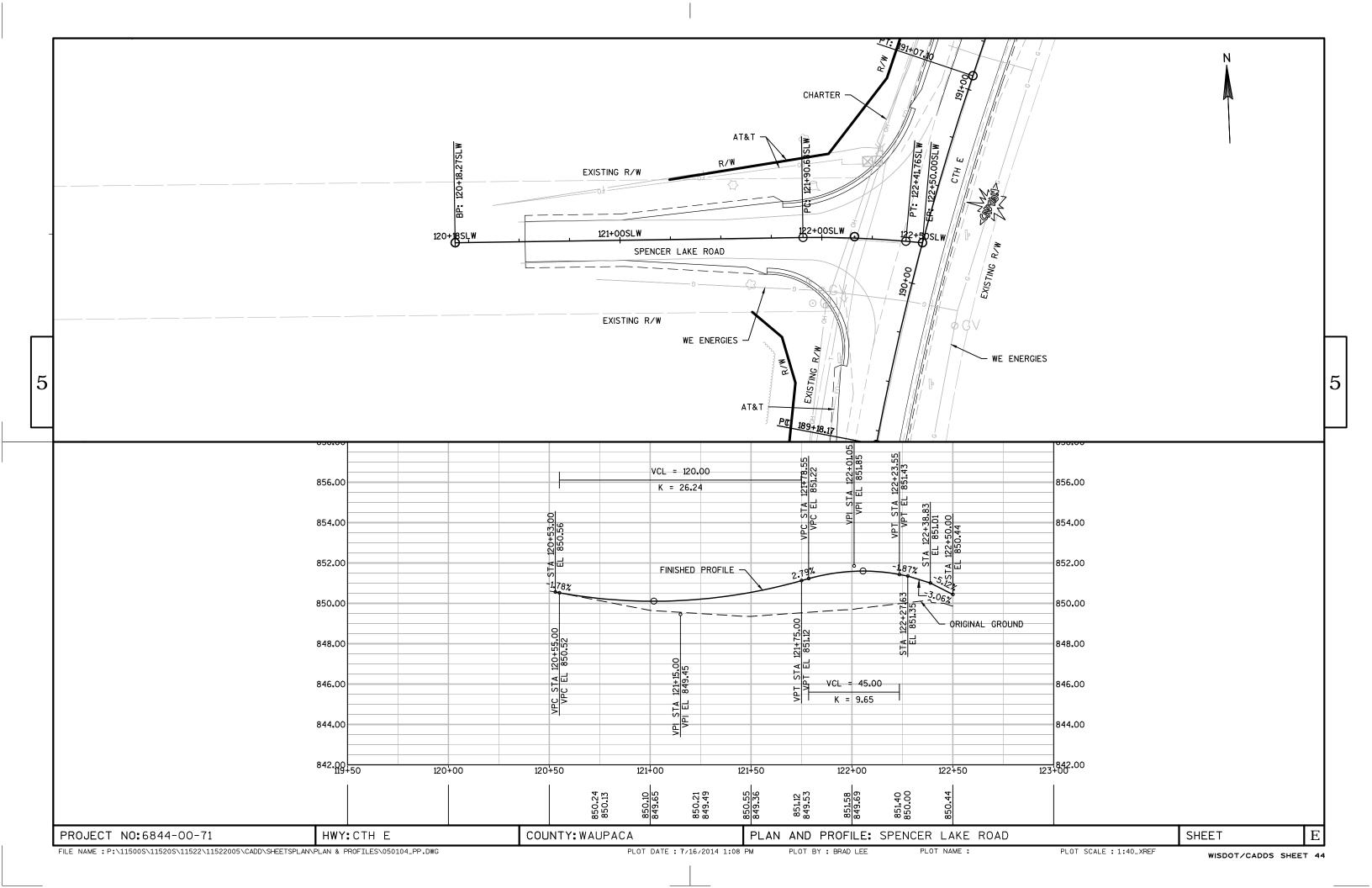


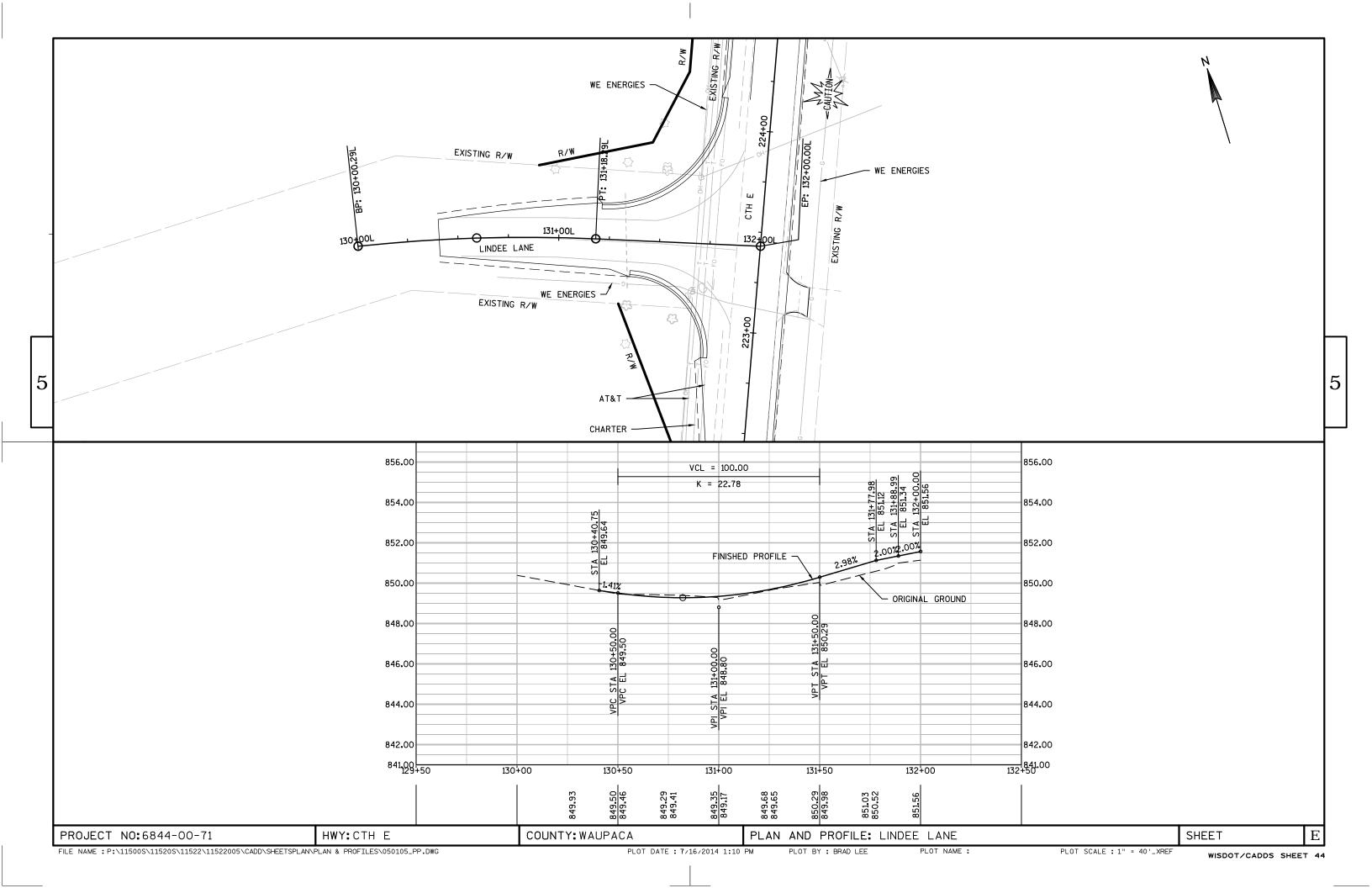


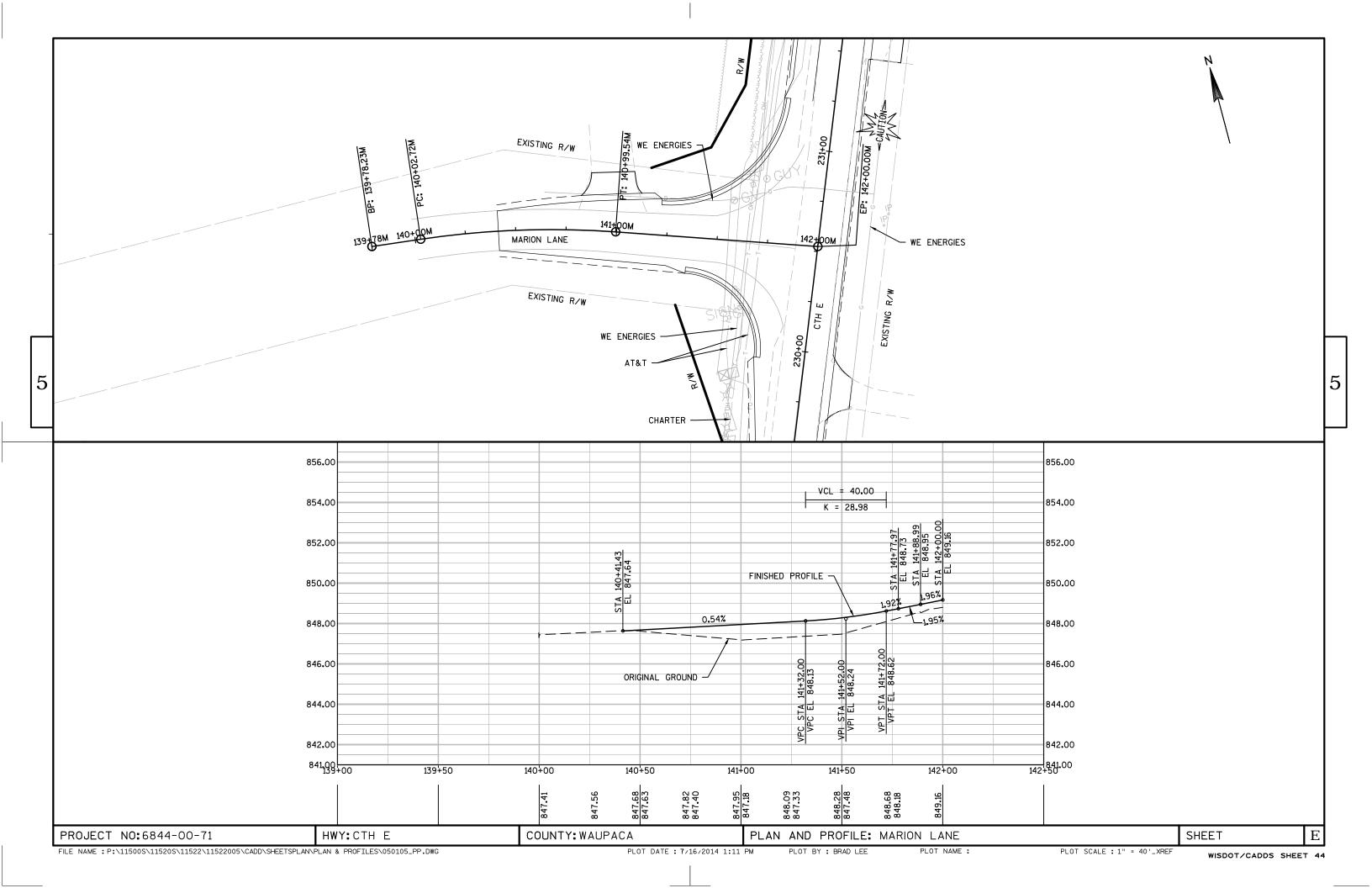


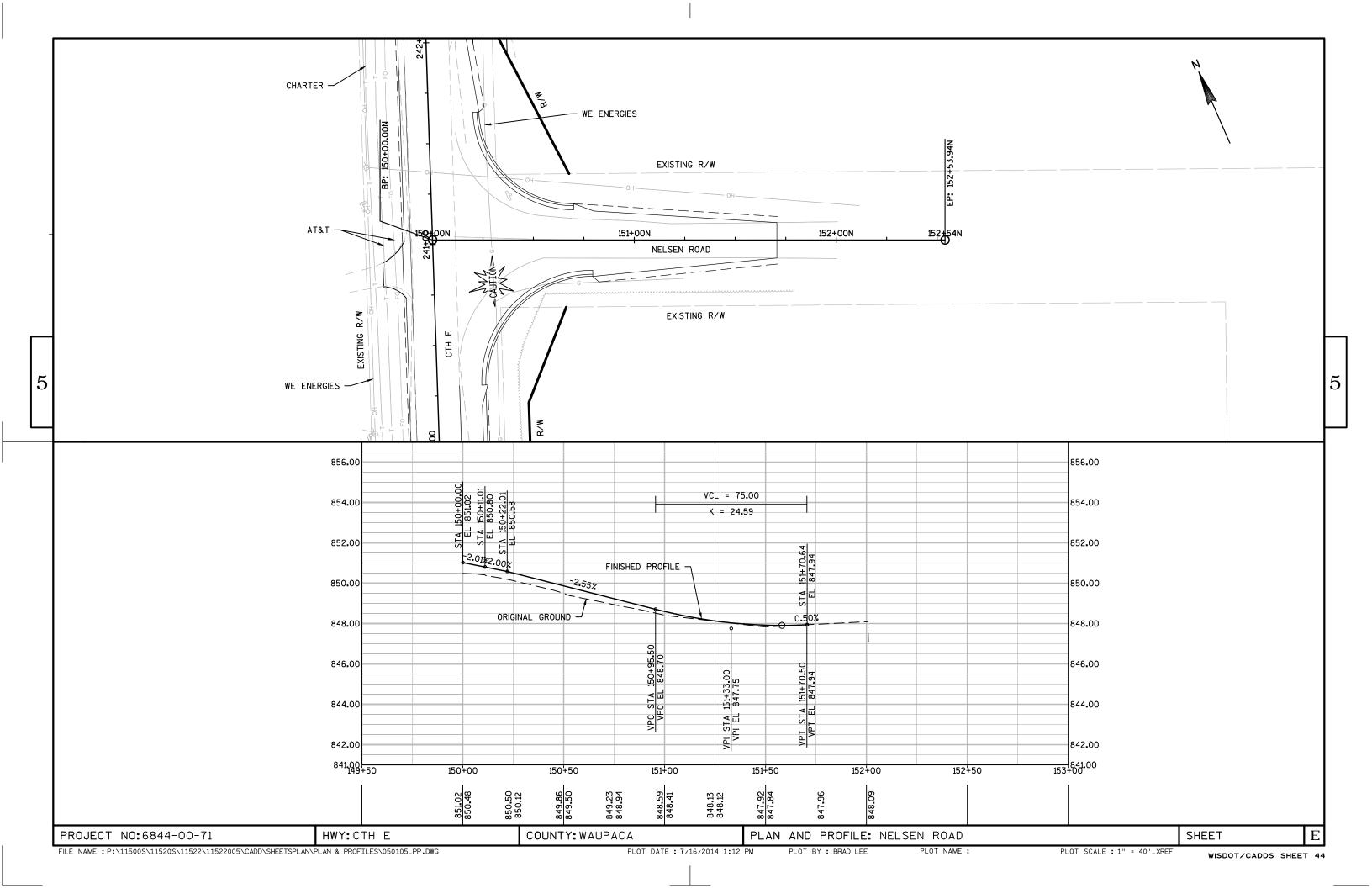


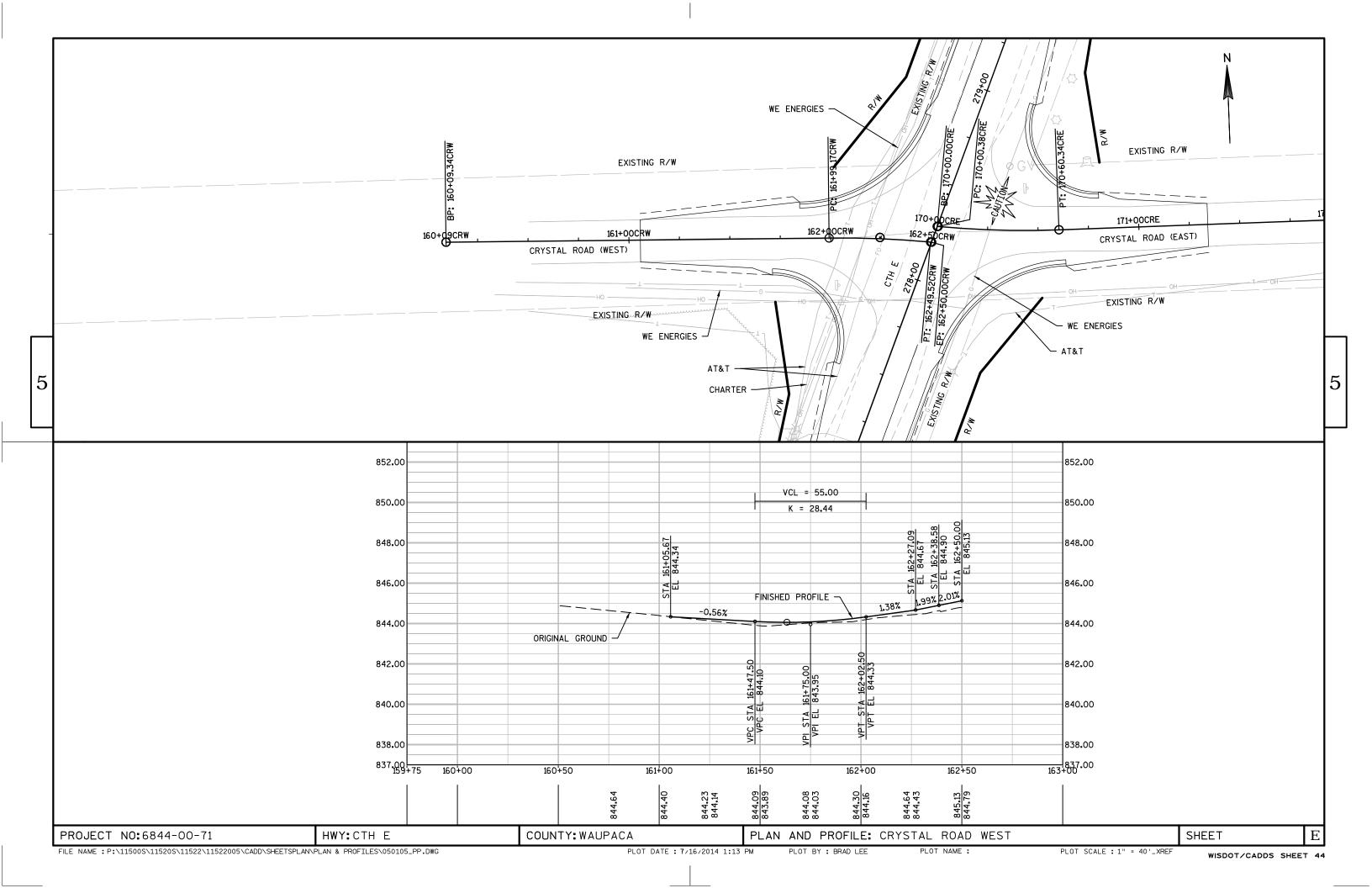


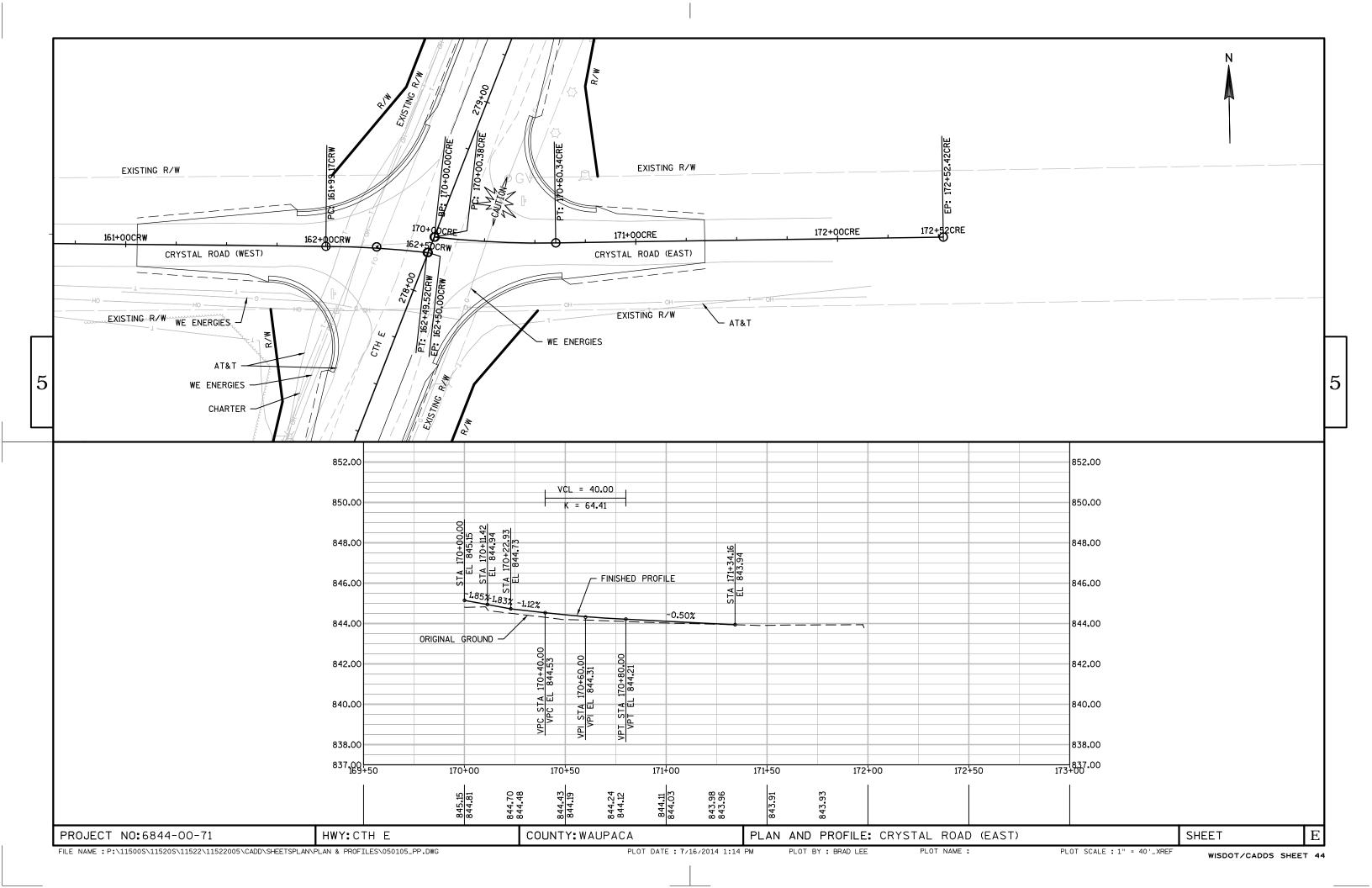


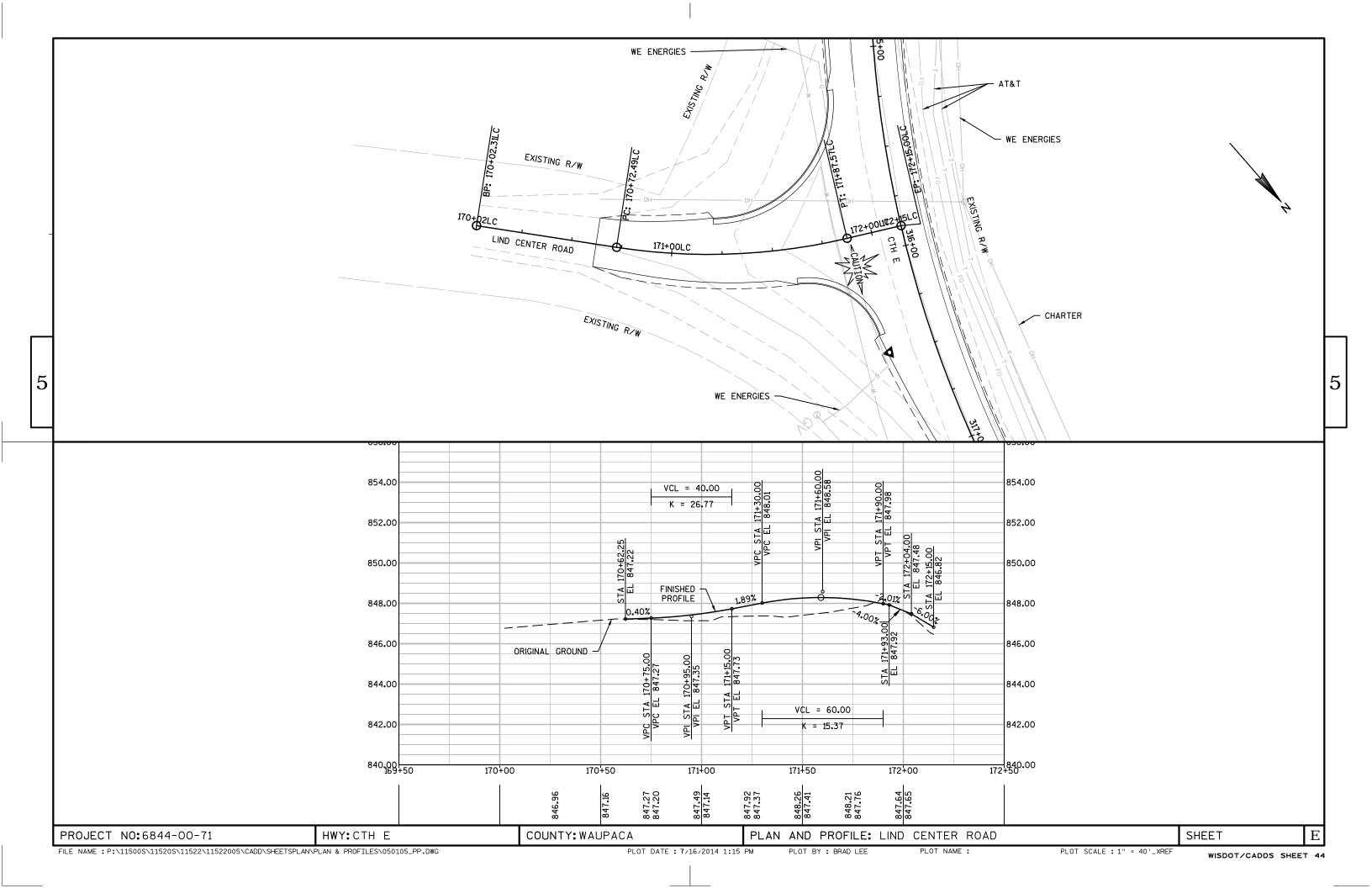






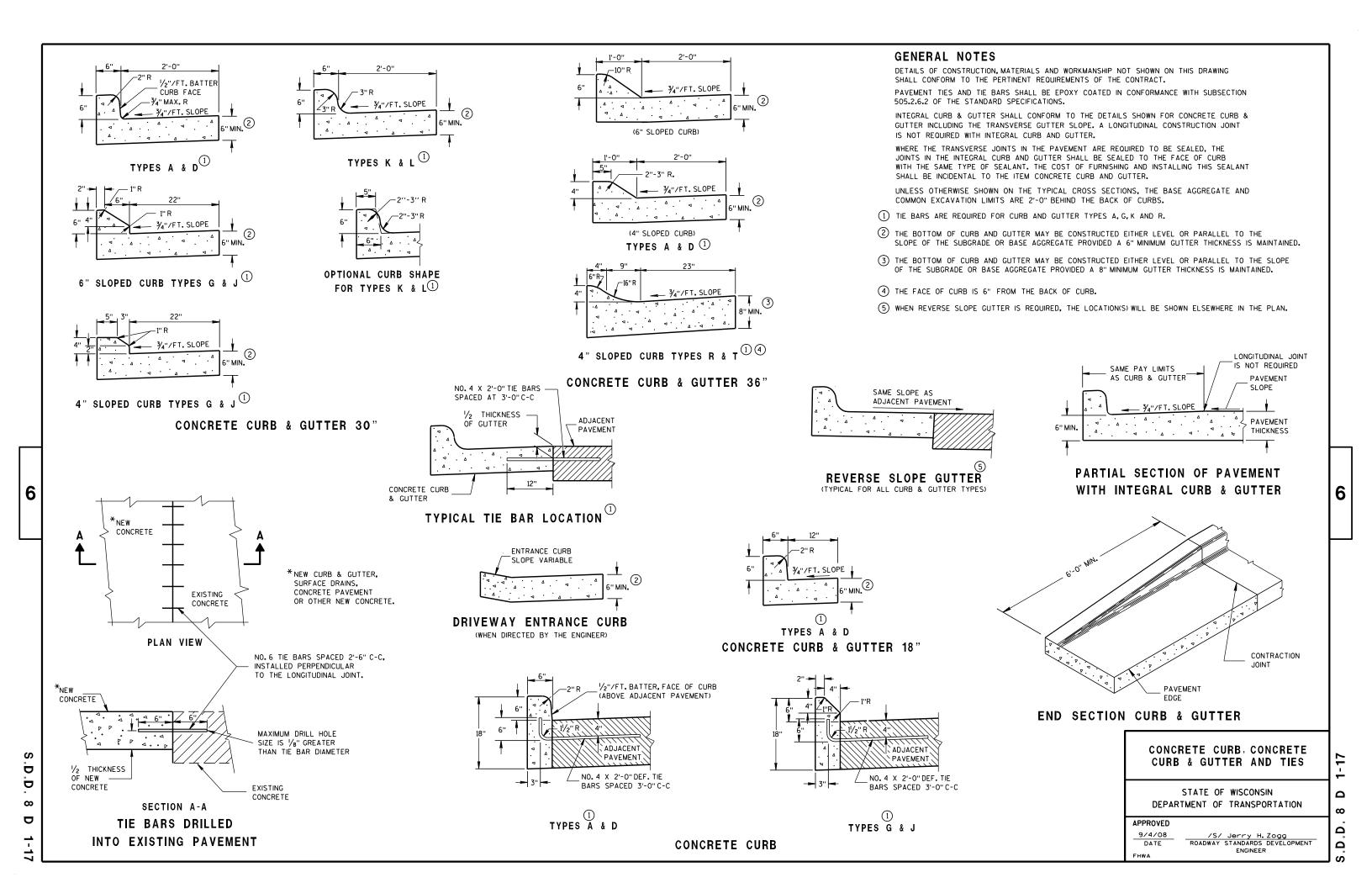


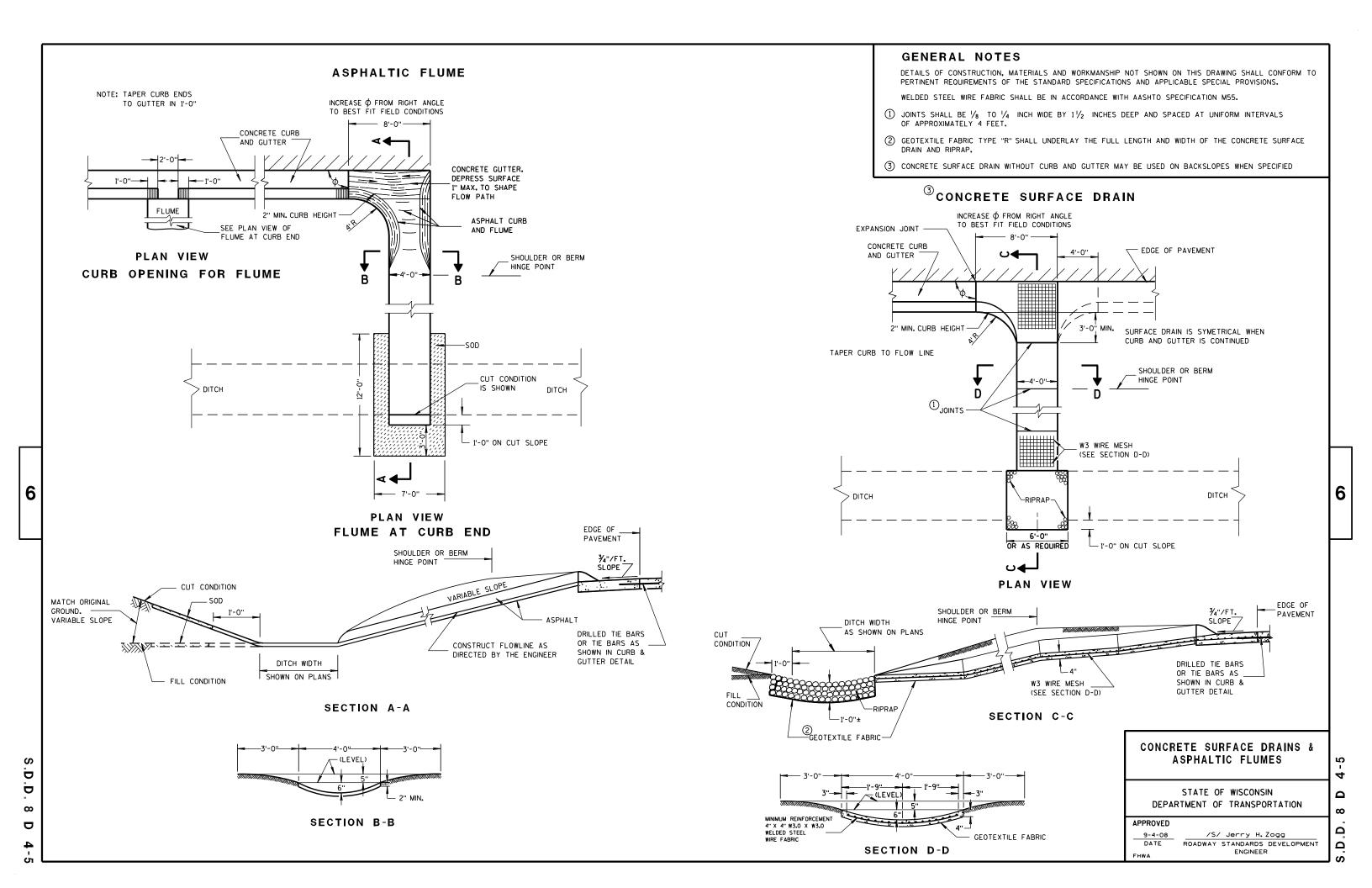


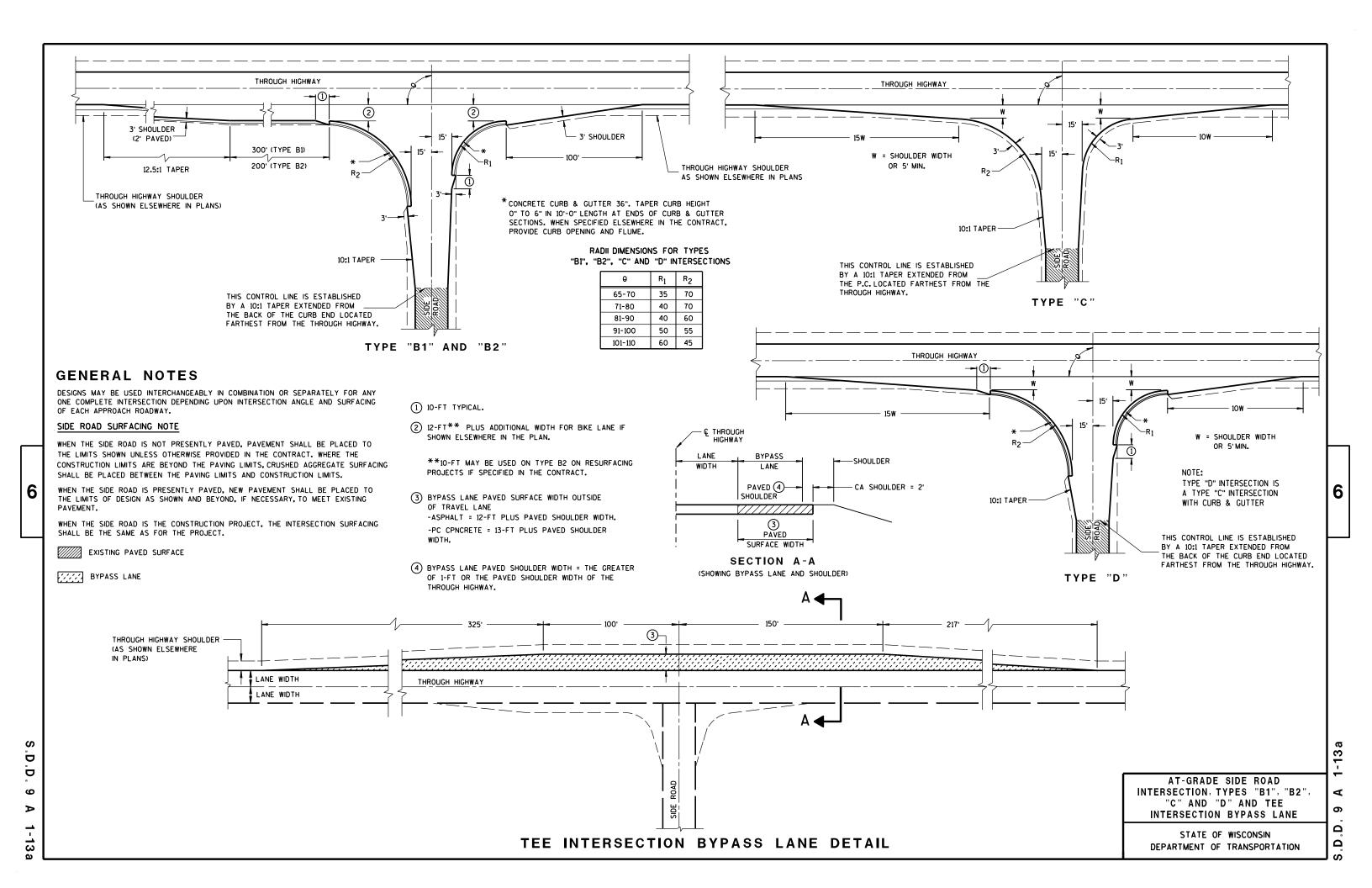


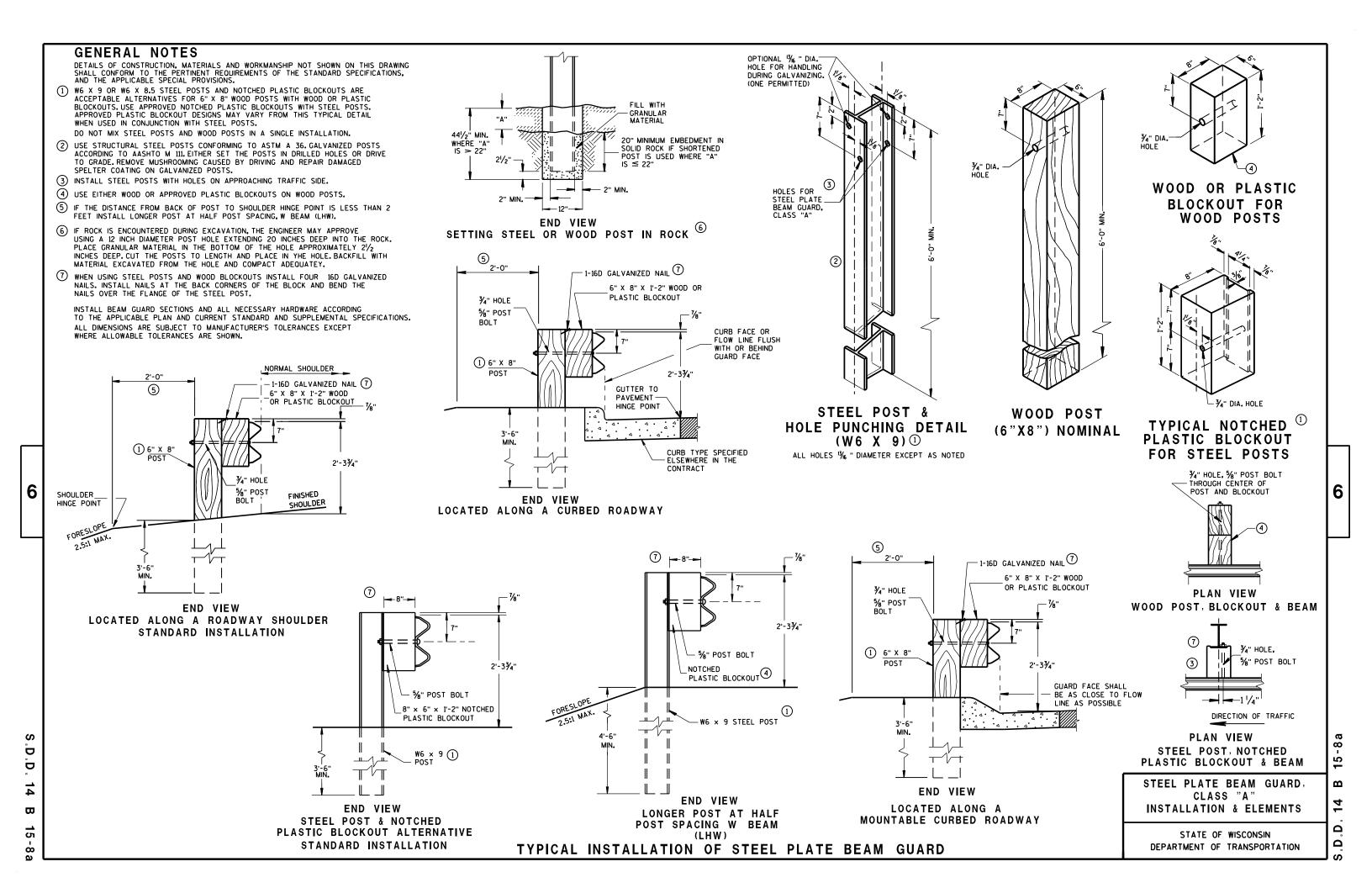
Standard Detail Drawing List

| 08D01-17 | CONCRETE CURB, CONCRETE CURB AND GUTTER AND TIES |
|-----------|-----------------------------------------------------------------------------------------------|
| 08D04-05 | CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES |
| 09A01-13A | AT-GRADE SIDE ROAD INTERSECTION, TYPES "B1", "B2", "C" AND D AND TEE INTERSECTION BYPASS LANE |
| 14B15-08A | STEEL PLATE BEAM GUARD, CLASS "A" INSTALLATION & ELEMENTS |
| 14B15-08B | STEEL PLATE BEAM GUARD, CLASS "A" INSTALLATION & ELEMENTS |
| 14B15-08C | STEEL PLATE BEAM GUARD, CLASS "A", INSTALLATION & ELEMENTS |
| 14B20-11A | STEEL THRIE BEAM STRUCTURE APPROACH |
| 14B20-11E | STEEL THRIE BEAM STRUCTURE APPROACH, CONNECTION TO BRIDGE RAILING TYPES "F" AND "W" |
| 14B24-08A | STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL |
| 14B24-08B | STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL |
| 14B24-08C | STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL |
| 14B29-01 | SAFETY EDGE |
| 14B42-03A | MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL |
| 14B42-03B | MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL |
| 14B42-03C | MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL |
| 14B44-02A | MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS) |
| 14B44-02B | MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS) |
| 14B44-02C | MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS) |
| 14B45-03A | MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS) |
| 14B45-03B | MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS) |
| 14B45-03C | MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS) |
| 14B45-03G | MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS) |
| 15C08-16A | PAVEMENT MARKING (MAINLINE) |
| 15C08-16B | PAVEMENT MARKING (INTERSECTIONS) |
| 15C08-16C | PAVEMENT MARKING (CLIMBING LANE & PASSING LANE) |
| 15C08-16D | PAVEMENT MARKING (CLIMBING LANE & PASSING LANE) |
| 15C12-04 | TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS) |
| 15C33-01 | STOP LINE AND CROSSWALK PAVEMENT MARKING |
| | |









FRONT VIEW

POST SPACING STANDARD INSTALLATION

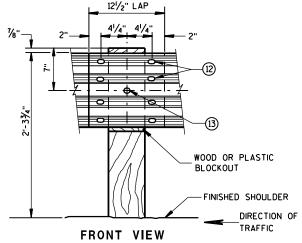
SECTION THRU W

SYMMETRICAL

∕-12 GAGE

BEAM

¯ABOUT €



BEAM SPLICE AT WOOD POST AND POST MOUNTING DETAIL

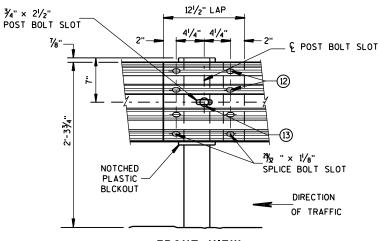
GENERAL NOTES

- (8) PROVIDE SILVER REFLECTIVE SHEETING ON ALL REFLECTORS EXCEPT THOSE LOCATED ALONG THE LEFT EDGE OF ONE-WAY ROADWAYS, WHICH SHALL BE PROVIDED WITH YELLOW REFLECTIVE SHEETING. SHEETING IS TYPE H. SEE STANDARD SPECIFICATION 637.
- (9) DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.
- (10) REVERSE EVERY OTHER REFLECTOR FOR 2-WAY VISIBILITY. THE CONTRACTOR MAY FURNISH TWO-SIDED REFLECTORS IN LIEU OF ONE-SIDED REFLECTORS.
- (1) PROVIDE AN ANGLE OF BEND OF 90° ± 1° FOR TWO-SIDED REFLECTORS.
- (12) 8 5%" * X 2" BUTTON HEAD BOLTS WITH OVAL SHOULDERS & RECESS NUTS.
- (3) %" DIA. BUTTON HEAD BOLT AND RECESS NUT WITH %" DIA. F844 FLAT WASHER UNDER NUT.

12'-6" OR 25'-0" EFFECTIVE LENGTH OF BEAM 3'-1\/2" C-C 3'-1\/2" C-C 3'-1\/2" C-C 3'-1\/2" C-C POST POST POST POST SPACING SPACING SPACING SPACING FINISHED DIRECTION OF TRAFFIC

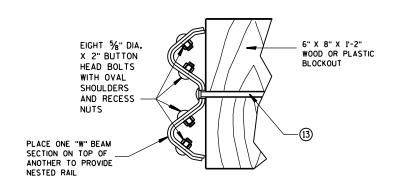
FRONT VIEW

POST SPACING FOR LONGER POST AT HALF POST SPACING W BEAM (LHW)



FRONT VIEW
BEAM SPLICE AT STEEL POST

TYPICAL SPLICING DETAILS OF STEEL PLATE BEAM GUARD

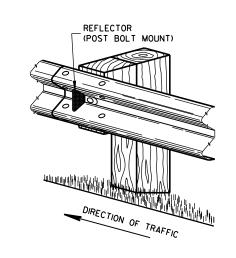


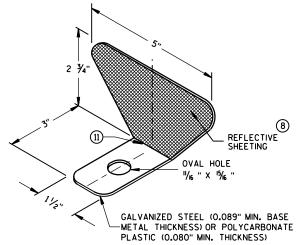
NESTED W BEAM (NW)

USE ALL OTHER STANDARD BEAM GUARD DETAILS FOR CONSTRUCTING NESTED W BEAM (NW)

| | 9 |
|-----------|---------|
| REFLECTOR | SPACING |

| | BEAM GUARD | REFLECTOR | NO. SURFACES | MIN. NO. |
|--------------------|------------------|---------------------|---------------|------------|
| | LENGTH | SPACING | REFLECTORIZED | REFLECTORS |
| ONE WAY TRAFFIC | < 500, | 50' C-C | 1 1 | 3 |
| TWO WAY TRAFFIC | > 500. < 500. | 25' C-C 50' C-C | 1 100 | 6 |
| TWO WAY TRAFFIC | > 500, < 500, | 50' C-C 100' C-C | 2 11 | 3 |





ONE SIDED REFLECTOR DETAIL AND TYPICAL INSTALLATION $^{\circ}$

STEEL PLATE BEAM GUARD, CLASS "A", INSTALLATION & ELEMENTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

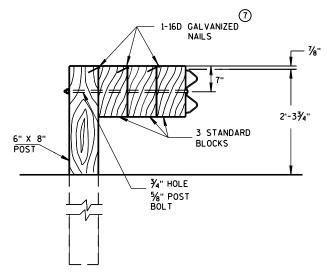
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DETAIL FOR DOUBLE BLOCKS

THE NUMBER OF DOUBLE BLOCK POSTS WITHIN A BARRIER RUN IS UNLIMITED

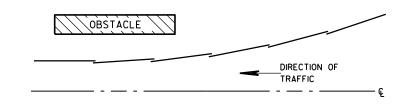


DETAIL FOR TRIPLE BLOCKS

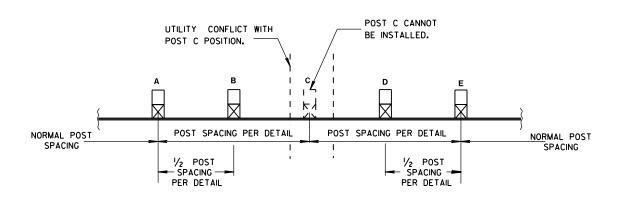
TRIPLE BLOCK DETAIL IS LIMITED TO ONE LOCATION WITHIN A BEAM GUARD RUN.

NOTES: USE DOUBLE OR TRIPLE BLOCKS WHEN UNDERGROUND OBSTACLES PREVENT THE POST FROM BEING INSTALLED.

DO NOT USE EXTRA BLOCKOUTS IF IT CAUSES THE POST TO BE DRIVEN BEYOND SHOULDER HINGE POINT OR CAUSES A FIXED OBJECT TO BE WITHIN THE DEFLECTION DISTANCE OF THE BARRIER.



PLAN VIEW BEAM LAPPING DETAIL



POST DRIVING FOR CONTINUOUS UNDERGROUND OBSTRUCTION

STEEL PLATE BEAM GUARD, CLASS "A", INSTALLATION & ELEMENTS 6

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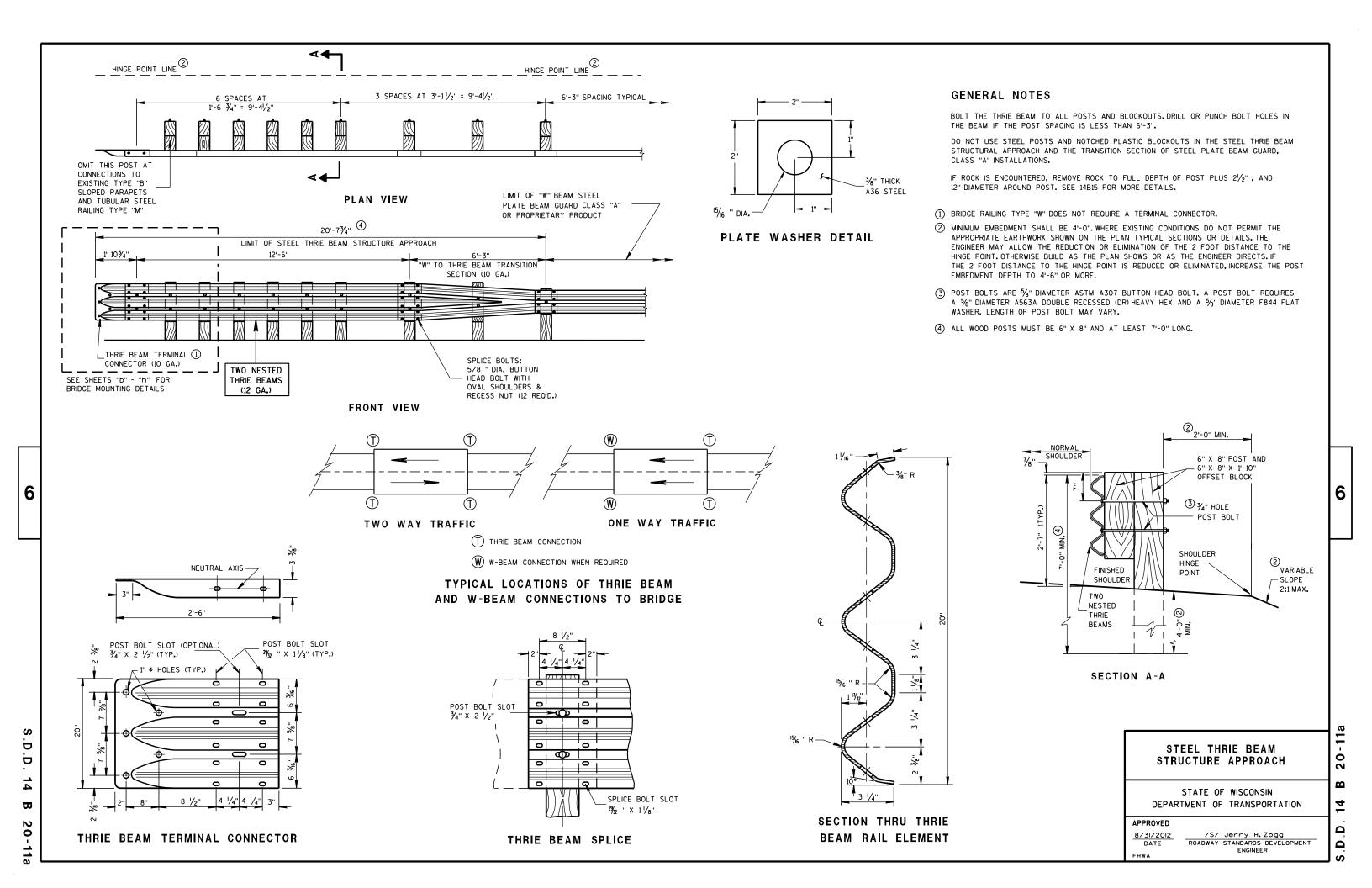
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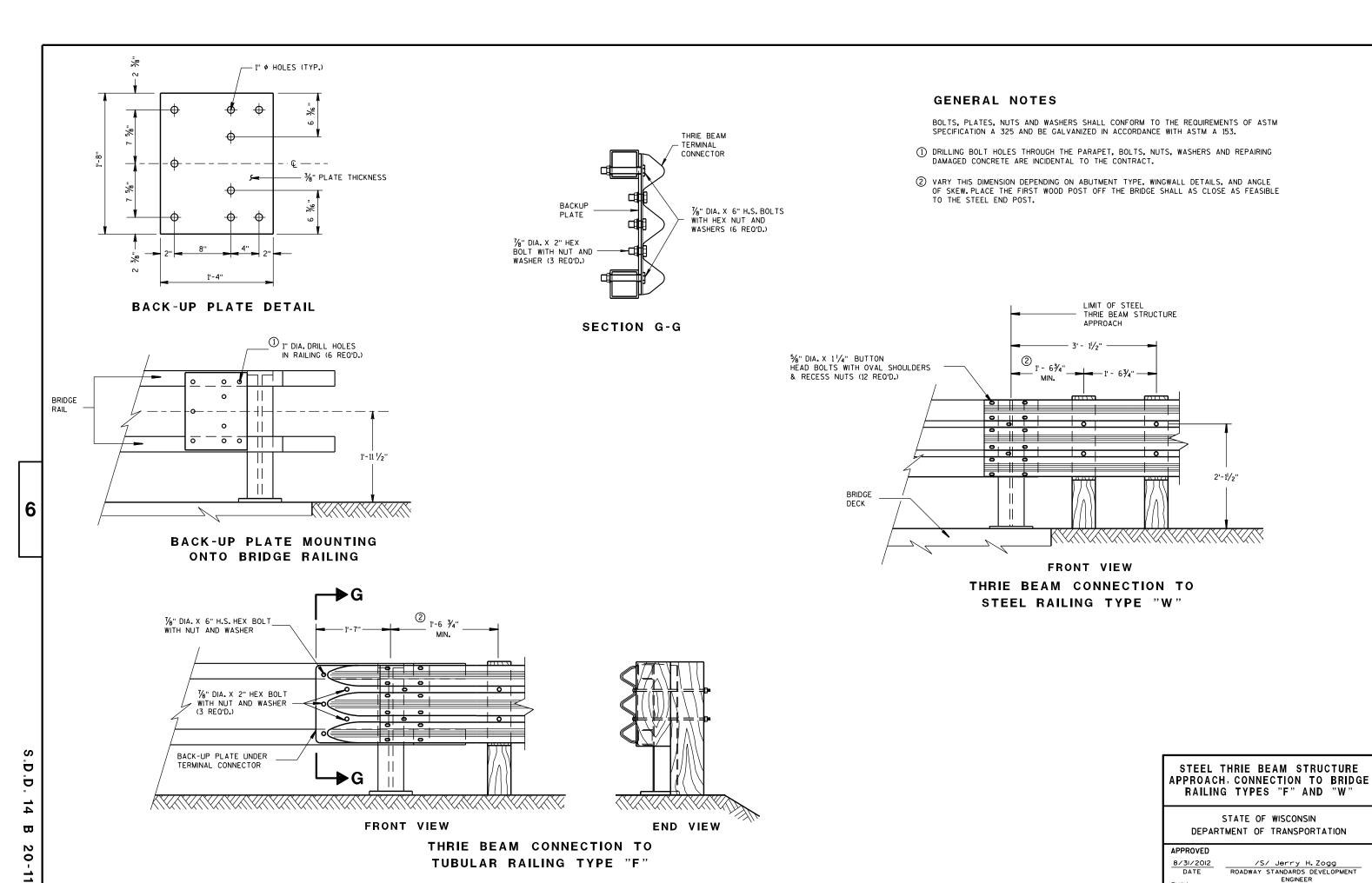
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STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2014
DATE
FHWA

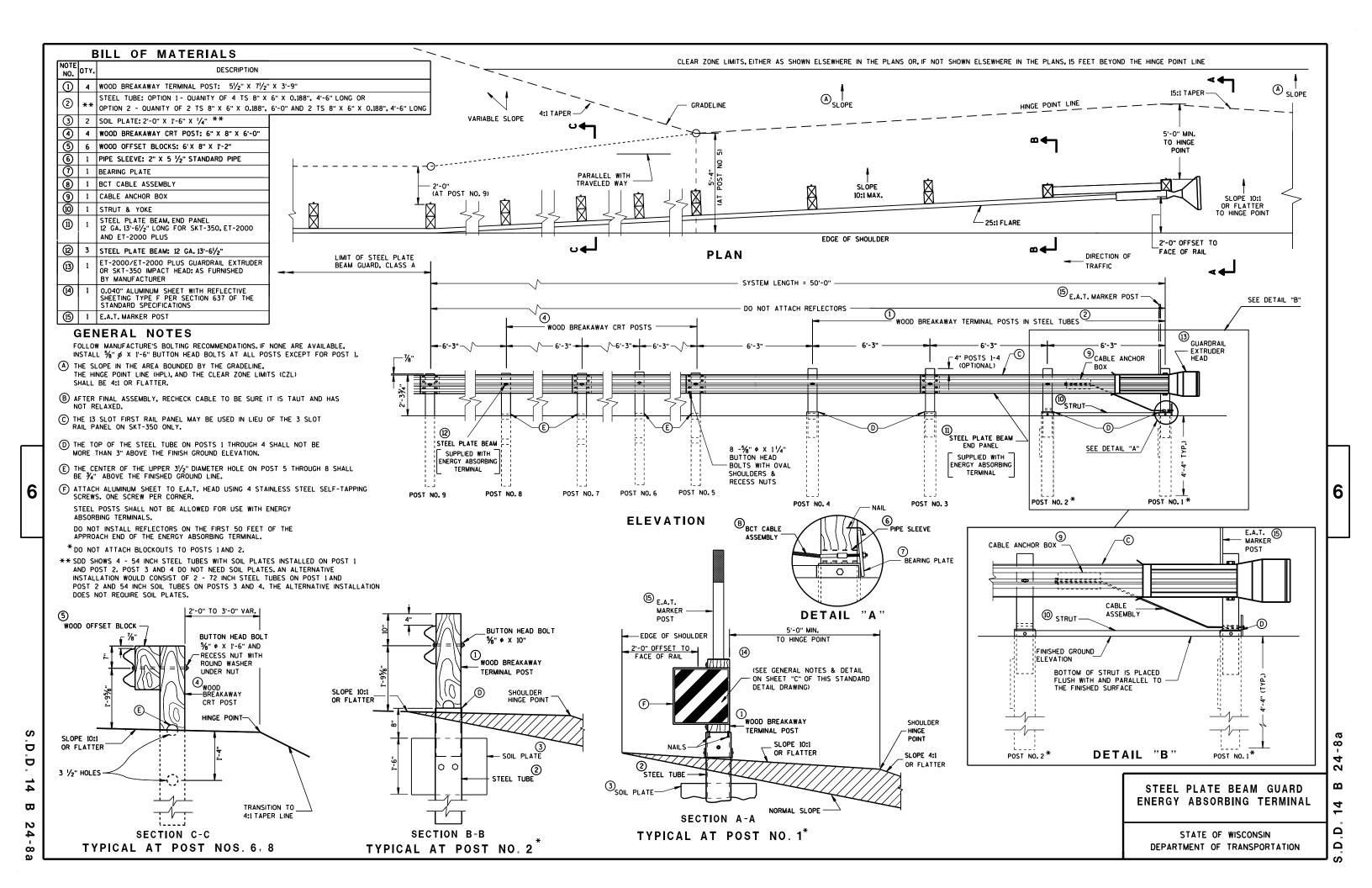
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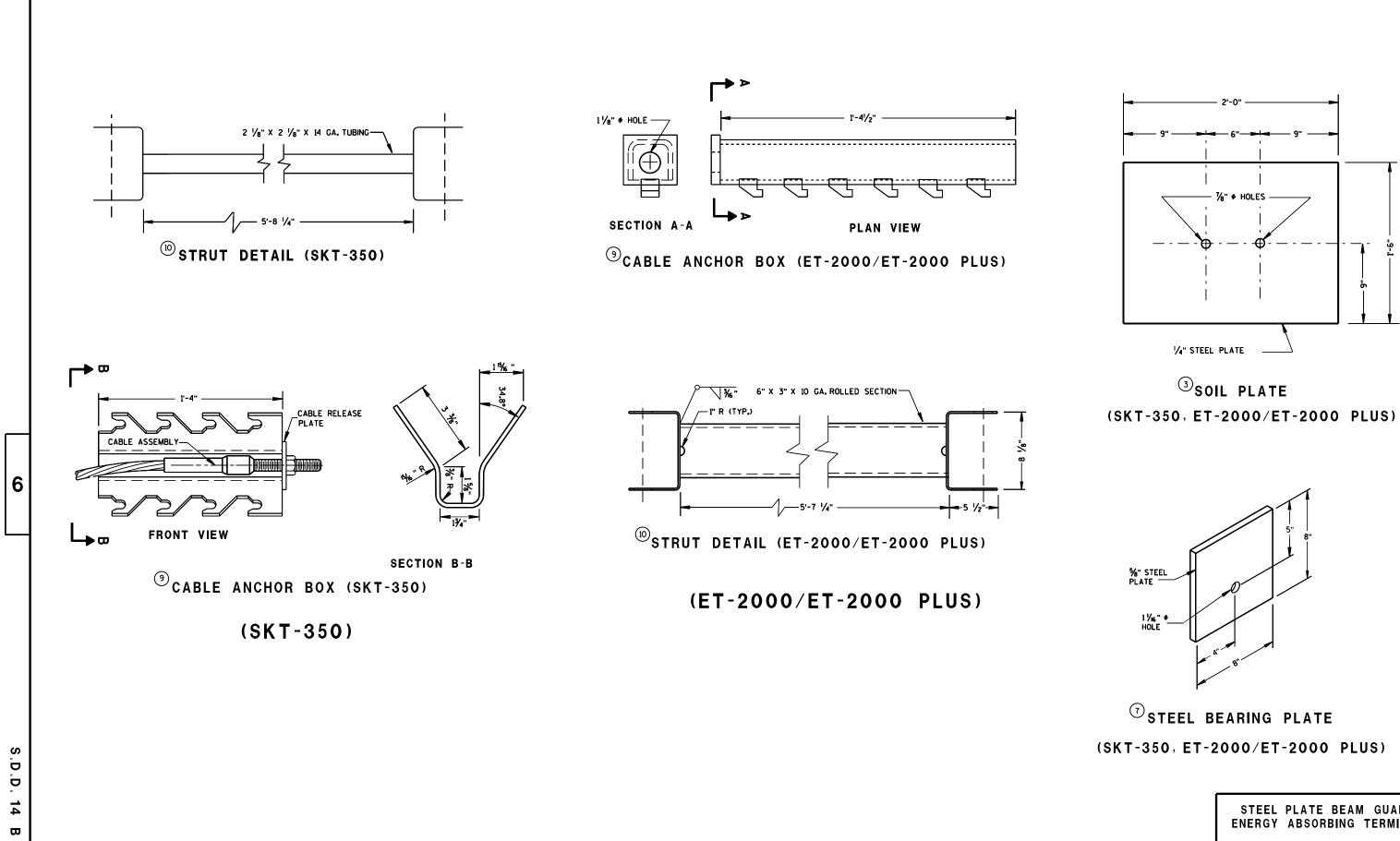




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ENGINEER

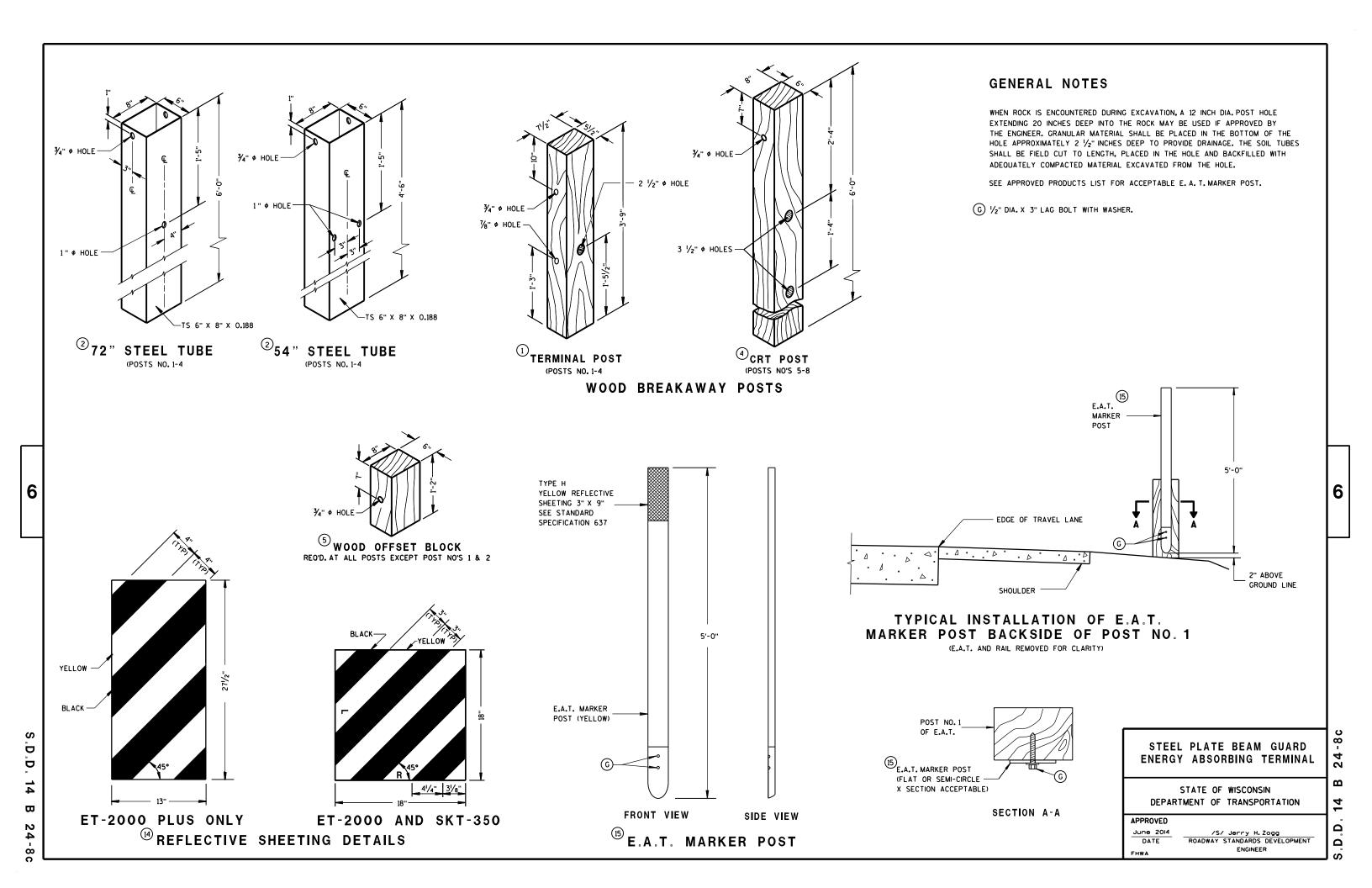


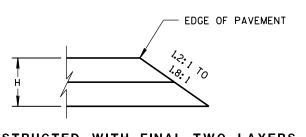


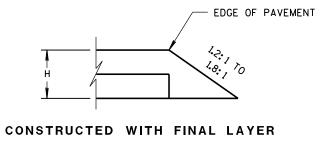
24-8b

STEEL PLATE BEAM GUARD **ENERGY ABSORBING TERMINAL**

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION 14 أ يُ



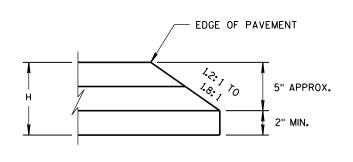


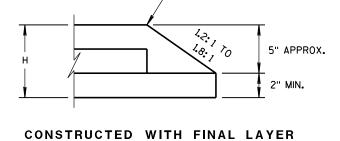


FOR H 5" OR LESS

CONSTRUCTED WITH FINAL TWO LAYERS

FOR H 5" OR LESS





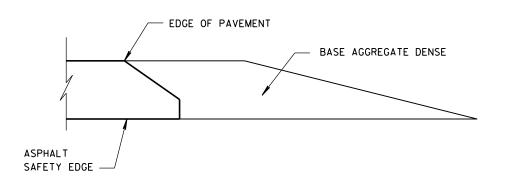
FOR H GREATER THAN 5"

EDGE OF PAVEMENT

CONSTRUCTED WITH FINAL TWO LAYERS

FOR H GREATER THAN 5"

HMA PAVEMENT AND HMA OVERLAYS



FINISHED SHOULDER AGGREGATE PLACEMENT

SAFETY EDGE SM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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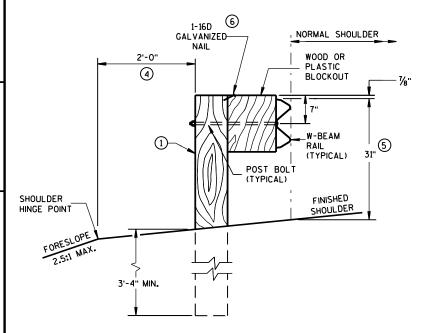
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APPROVED

DATE ROADWAY STANDARDS DEVELOPMENT ENGINEER

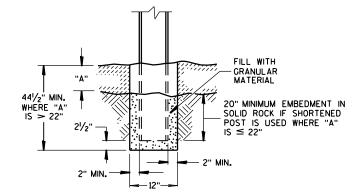
GENERAL NOTES

- (1) WOOD OR STEEL POSTS (W6X9 OR W6X8.5) MAY BE USED. DO NOT INTERMIX WOOD AND STEEL POSTS. INSTALL STEEL POSTS WITH HOLES ON APPROACHING TRAFFIC SIDE.
- 2 USE WOOD OR APPROVED PLASTIC BLOCKOUTS. WOOD BLOCKOUTS MAY BE CONSTRUCTED OUT OF TWO OR MORE WOOD BLOCKOUTS. SEE ALTERNATE WOOD BLOCKOUT DETAIL. DIMENSIONS OF APPROVED PLASTIC BLOCKOUTS MAY VARY.
- (3) IF ROCK IS ENCOUNTERED DURING EXCAVATION, PROVIDE A HOLE 12 INCHES IN DIAMETER EXTENDING 20 INCHES DEEP INTO THE ROCK. PLACE APPROXIMATELY 21/2 INCHES OF GRANULAR MATERIAL IN THE BOTTOM OF THE HOLE. CUT THE POSTS THE TO LENGTH AMD INSTALL. BACKFILL WITH EXCAVATED MATERIAL AND COMPACT. BACKFILL IS TO BE FREE OF LARGE ROCKS.
- (4) WHEN THE DISTANCE FROM BACK OF POST TO SHOULDER HINGE POINT IS LESS THAN 2 FEET INSTALL LONGER POST AT HALF POST SPACING (K).
- (5) FOR NEW MGS INSTALLATION TOP OF W-BEAM RAIL TOLERANCE IS ± 1". FOR EXISTING MGS INSTALLATION TOP OF W-BEAM IS BETWEEN 273/4" TO 32".
- (6) WHEN USING STEEL POST AND WOOD BLOCKOUTS INSTALL FOUR 16D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.



END VIEW

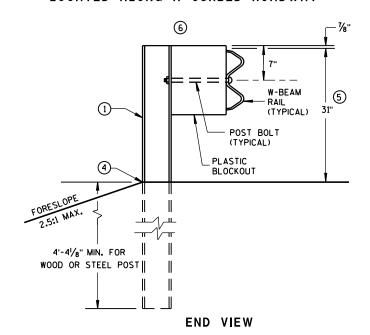
LOCATED ALONG A ROADWAY SHOULDER STANDARD INSTALLATION



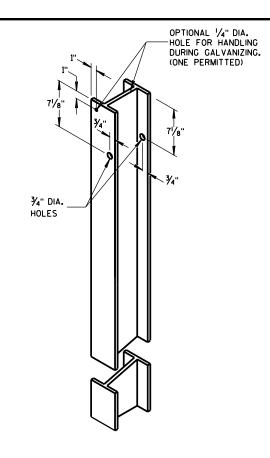
SETTING STEEL OR WOOD POST IN ROCK $^{\scriptsize{\textcircled{3}}}$



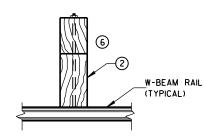
END VIEW
LOCATED ALONG A CURBED ROADWAY



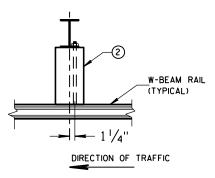
MGS LONGER POST AT HALFPOST SPACING W BEAM (K)



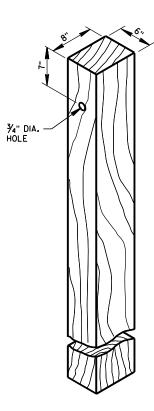
STEEL POST & HOLE PUNCHING DETAIL (w6X9)



PLAN VIEW
WOOD POST,
BLOCKOUT & BEAM



PLAN VIEW
STEEL POST,
PLASTIC BLOCKOUT & BEAM



WOOD POST (6" X 8") NOMINAL $^{\scriptsize \textcircled{1}}$



WOOD OR PLASTIC BLOCKOUT

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

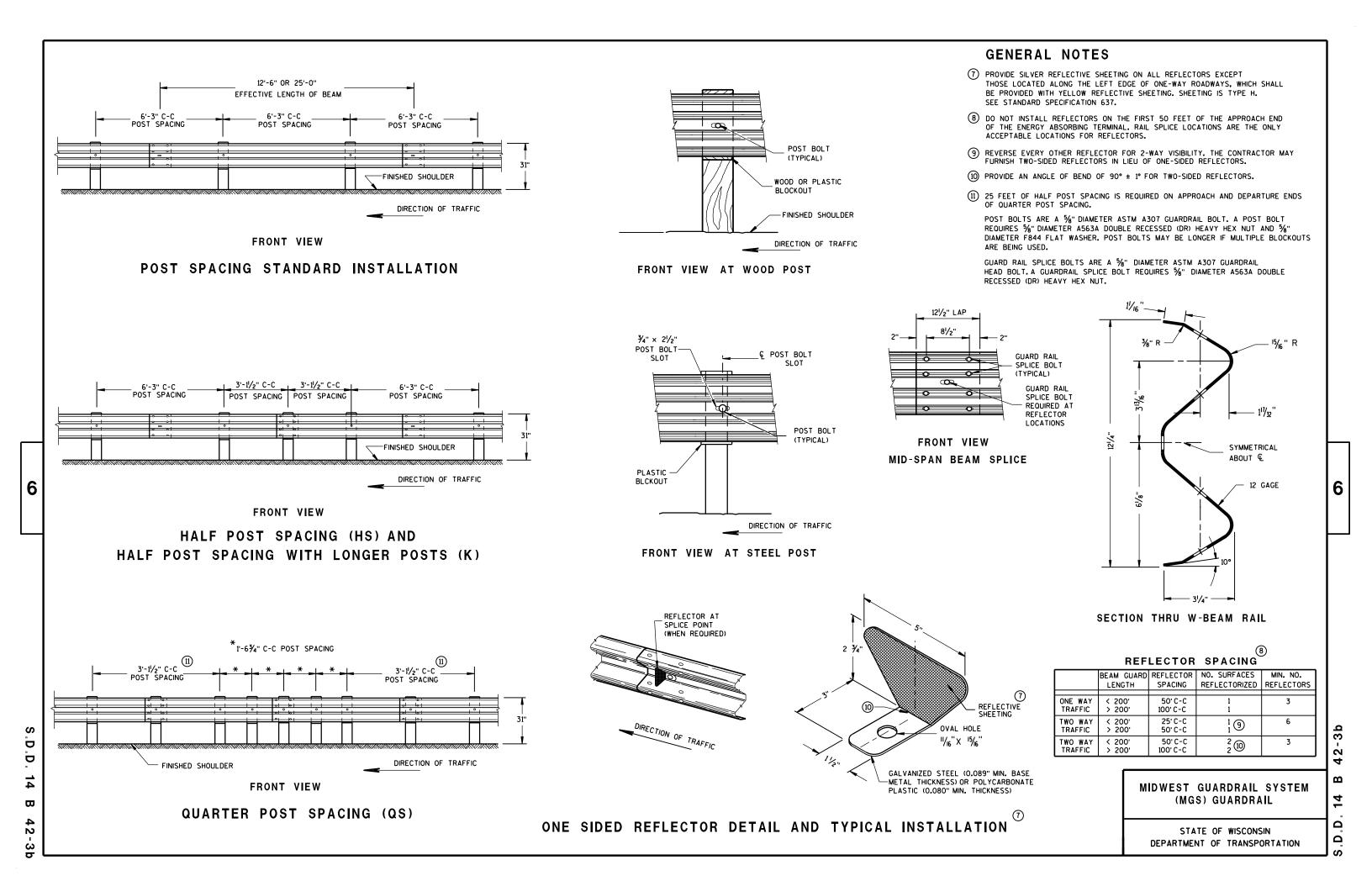
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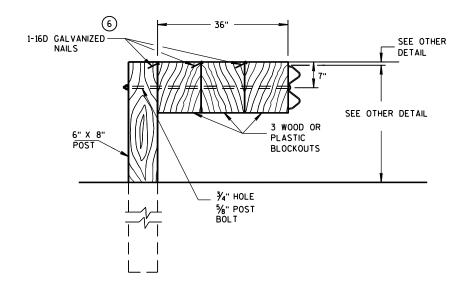
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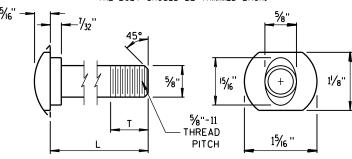


DETAIL FOR 36" BLOCKOUT DEPTH

NOTES: UNDER SPECIAL CIRCUMSTANCES, SUCH AS AVOIDING OBSTACLES THAT ARE NOT RELOCATED, IT IS ACCEPTABLE TO INSTALL ADDITIONAL BLOCKOUTS TO OBTAIN UP TO 36" DEPTH FOR ONE OR TWO POSTS IN A SECTION OF GUARDRAIL.

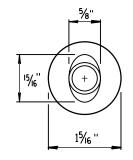
> DO NOT USE 16" OR 36" BLOCKOUTS IF IT CAUSES THE POST TO BE DRIVEN BEYOND SHOULDER HINGE POINT OR CAUSES A FIXED OBJECT TO BE WITHIN THE DEFLECTION DISTANCE OF THE BARRIER.

NOTE: 1. ALL FILLETS SHALL HAVE A MINIMUM RADIUS OF $\frac{1}{16}$ ". 2. IF THE BOLT EXTENDS MORE THAN 1/4" FROM THE NUT THE BOLT SHOULD BE TRIMMED BACK.

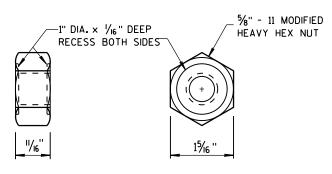


POST BOLT TABLE

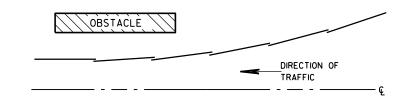
| 11/8" |
|--------|
| 437 |
| 13/4" |
| 4" |
| 41/16" |
| 4" |
| 41/16" |
| 4" |
| |



ALTERNATE BOLT HEAD

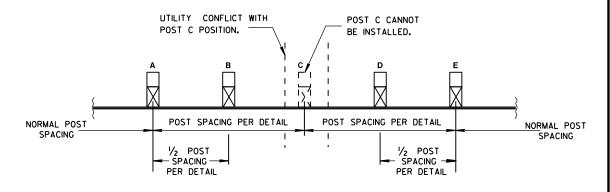


POST BOLT AND RECESS NUT



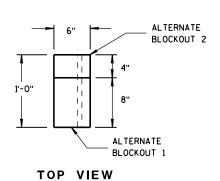
PLAN VIEW

BEAM LAPPING DETAIL



POST DRIVING FOR CONTINUOUS UNDERGROUND OBSTRUCTION





SIDE VIEW

ALTERNATE WOOD **BLOCKOUT DETAIL**

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

June 2014 /S/ Jerry H. Zogg ROADWAY STANDARDS DEVELOPMENT ENGINEER FHWA

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S.D.D.

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SECTION A-A SECTION B-B

9 H

PLAN VIEW

BILL OF MATERIALS

| PART NO. | DESCRIPTION MATERIALS PROVIDED BY MGS EAT MANUFACTURER. SEE MANUFACTURER'S DETAILS FOR MORE INFORMATION. |
|-------------|------------------------------------------------------------------------------------------------------------|
| 1 | WOOD BREAKAWAY POST |
| 2 | 6" X 8" X 0.188", 6'-0" LONG FOUNDATION TUBE AT POSTS 1AND 2 |
| 3 | WOOD CRT |
| 4 | WOOD BLOCKOUT |
| (5) | PIPE SLEEVE |
| 6 | BEARING PLATE |
| 7 | BCT CABLE ASSEMBLY |
| 8 | ANCHOR CABLE BOX |
| 9 | GROUND STRUT |
| 10 | PERFORATED W-BEAM RAIL END PANEL, 12'-6" LONG. |
| (11) | STANDARD W-BEAM RAIL.MULTIPLE SECTIONS REQUIRED. SECTIONS VARY IN LENGTH. |
| 12 | END SECTION EAT |
| (3) | 0.040" ALUMINUM SHEET WITH REFLECTIVE SHEETING TYPE F PER SECTION 637 OF THE STANDARD SPECIFICATIONS |
| 14) | EAT MARKER POST - YELLOW (SEE APPROVED PRODUCTS LIST) |



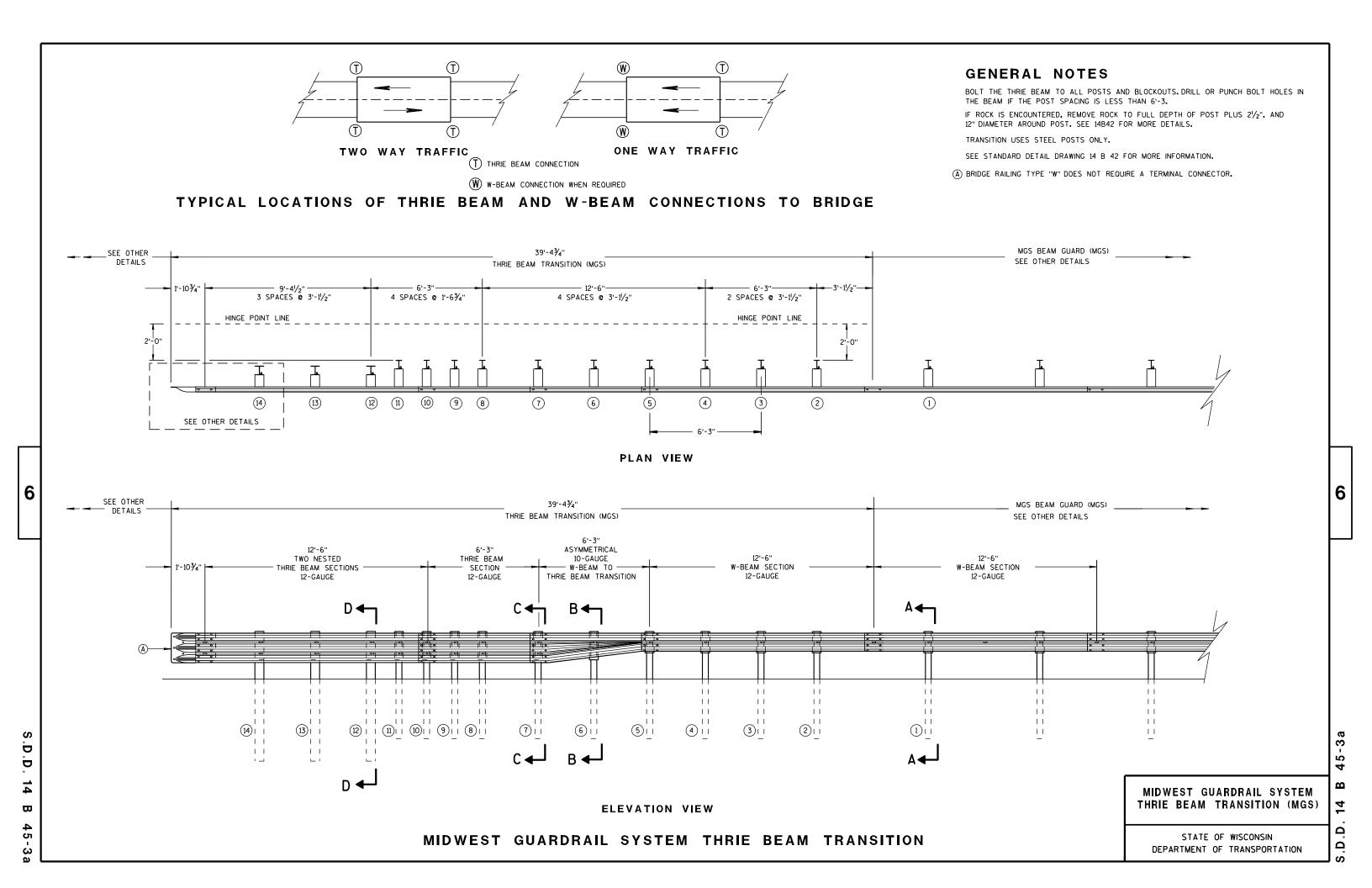
MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)

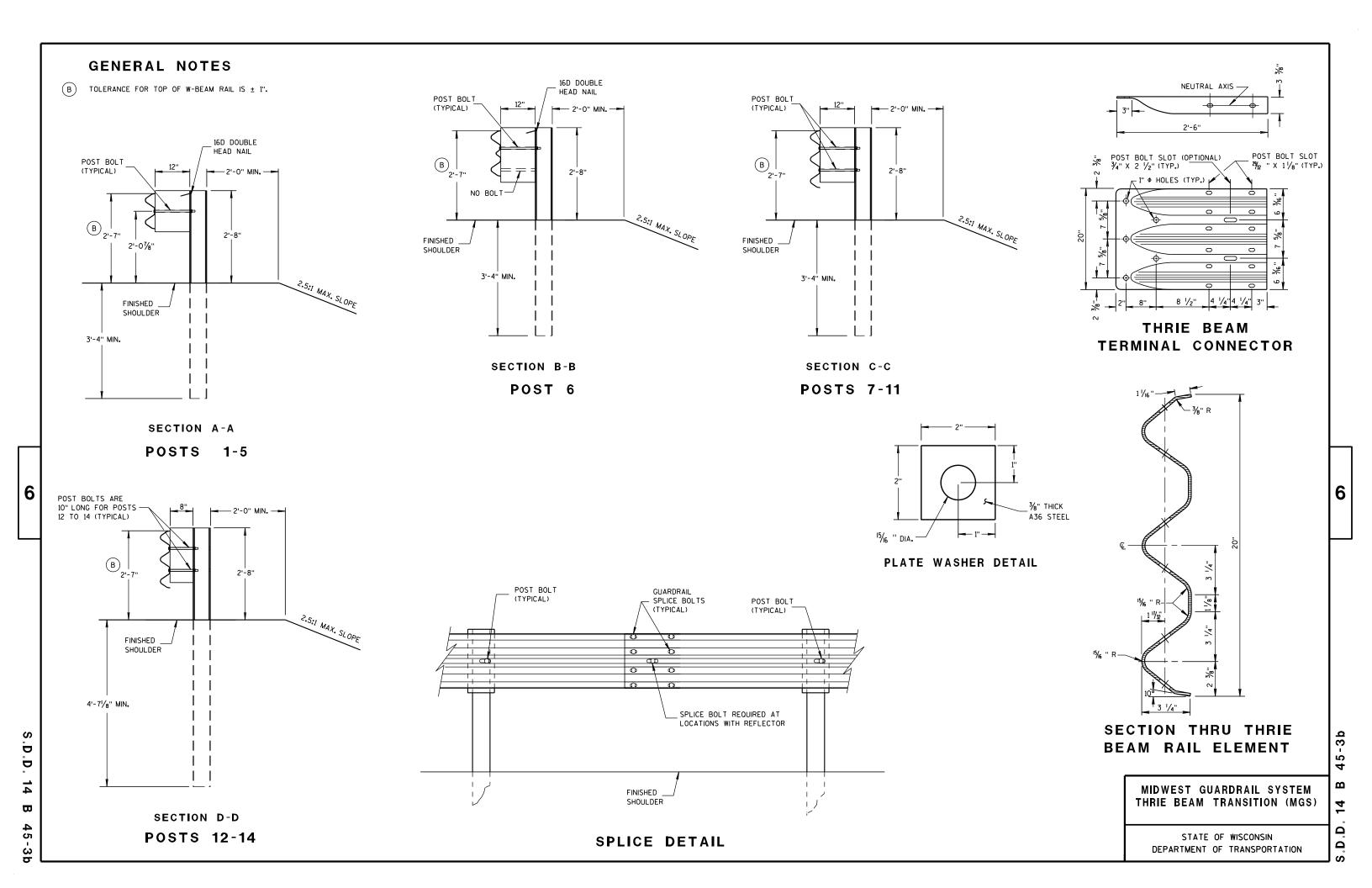
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

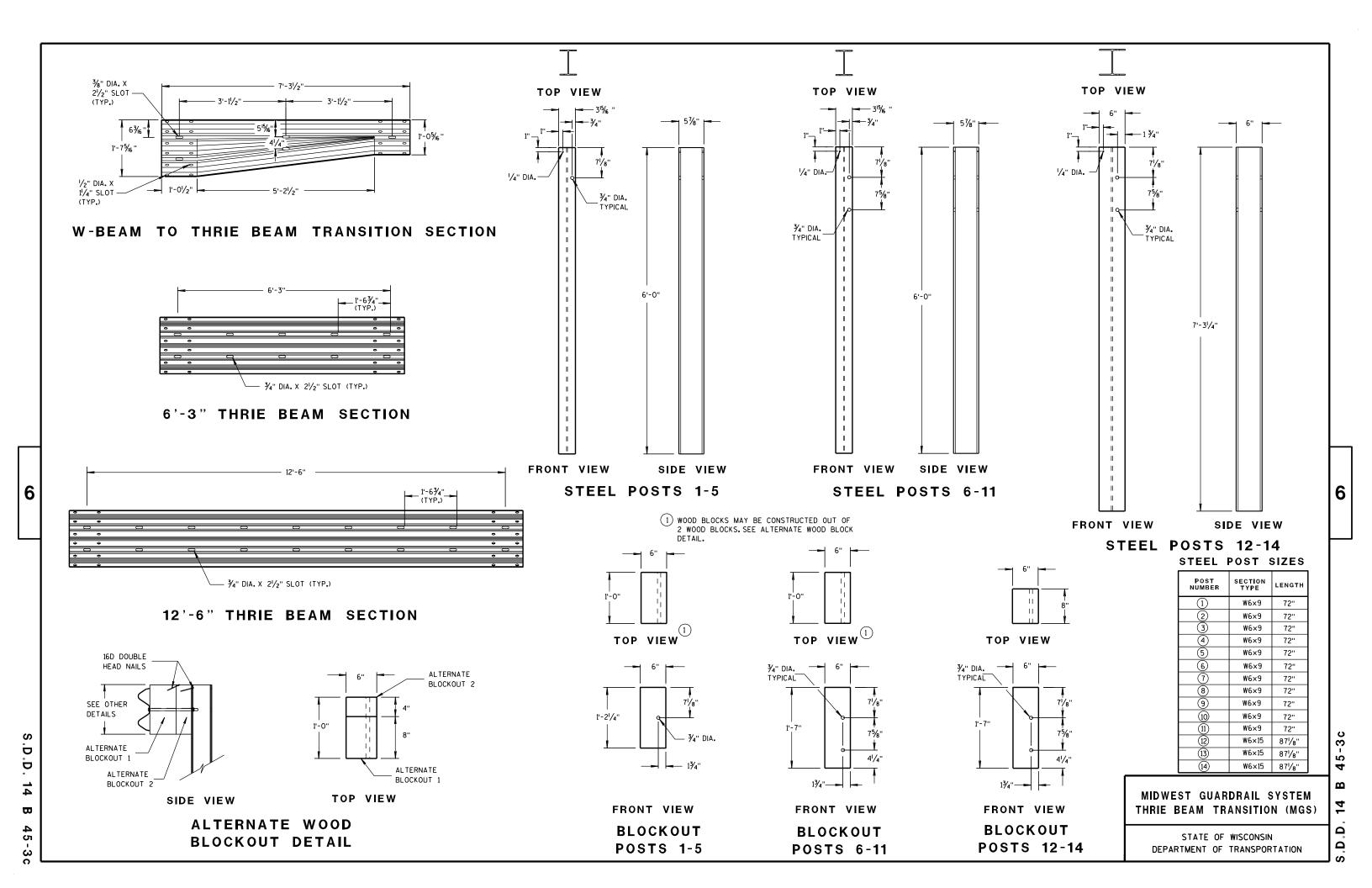
44-2b

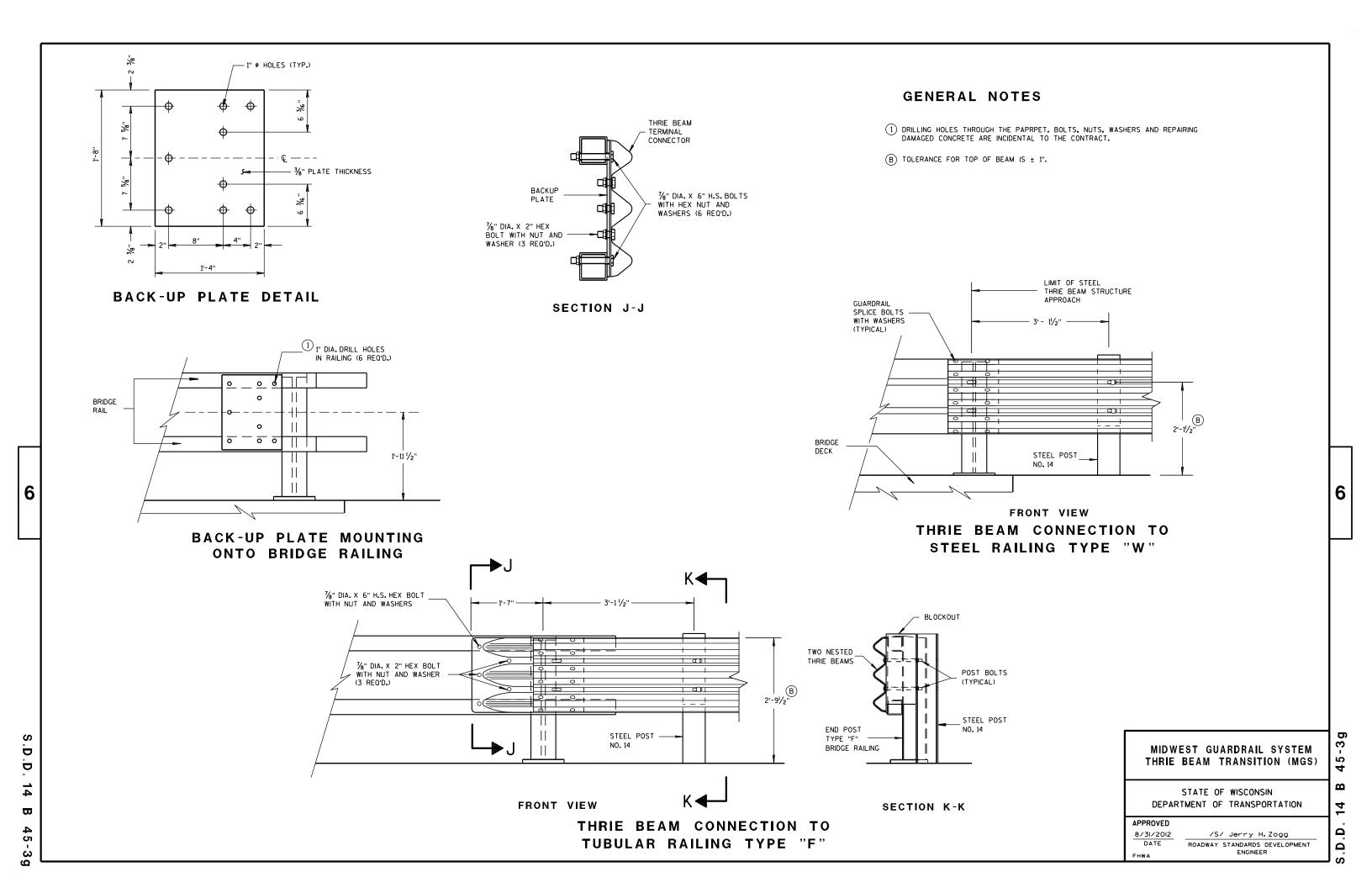
 $\mathbf{\omega}$ 14 ٠٠ ت





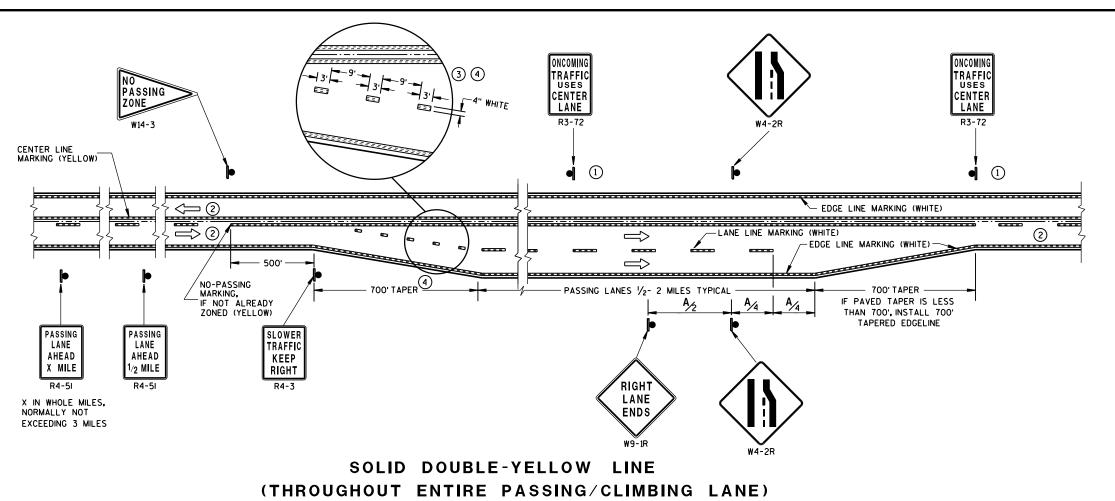










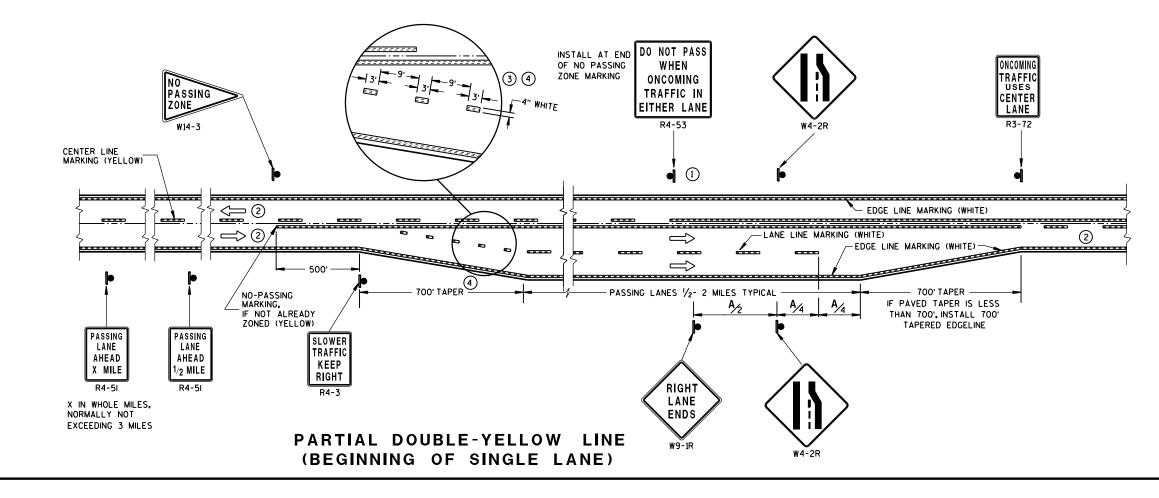


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GENERAL NOTES

- $\ensuremath{\bigcirc}$ Sign shall be repeated at 1 mile increments or at the discretion of the regional traffic engineer.
- (2) THERE MAY BE SOLID YELLOW ON THE CENTERLINE DUE TO SIGHT CONDITIONS.
- 3 THE TAPER LENGTH OF THE DOTTED LINE PAVEMENT MARKING SHALL BE 700 FEET, 3'LINE 9'GAP, EXCEPT RETRACE THE EXISTING LINE-GAP PATTERN WHERE EXISTING MARKINGS ARE IN PLACE.
- WHEN THE ENTRANCE TAPER IS LESS THAN 700 FEET OR THE SHOULDER WIDTH IN THE PASSING/CLIMBING LANE IS LESS THAN THE ADJACENT HIGHWAY, DO NOT INSTALL DOTTED LINE PAVEMENT MARKING.

ARROW SYMBOL (>>) SHOWS DIRECTION OF TRAVEL

DISTANCE TABLE

| POSTED OR 85th PERCENTILE SPEED | DISTANCE "A" |
|------------------------------------|--------------|
| 45 | 750 |
| 50 | 850 |
| 55 | 950 |

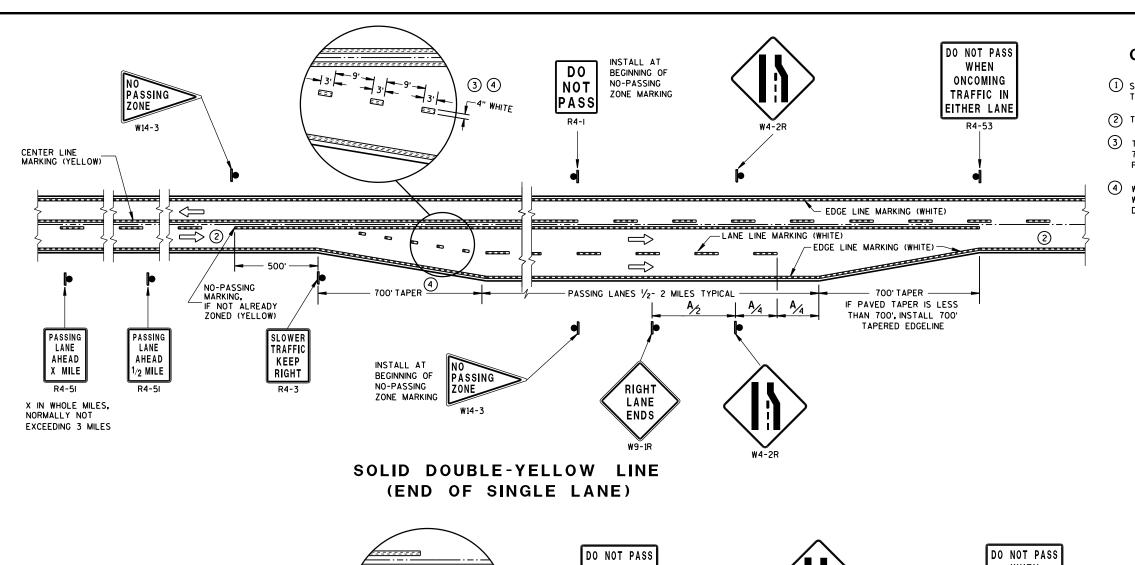
PAVEMENT MARKING & SIGNING
(CLIMBING LANE &
PASSING LANE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

5 C 8-16c

.D.D. 15 C



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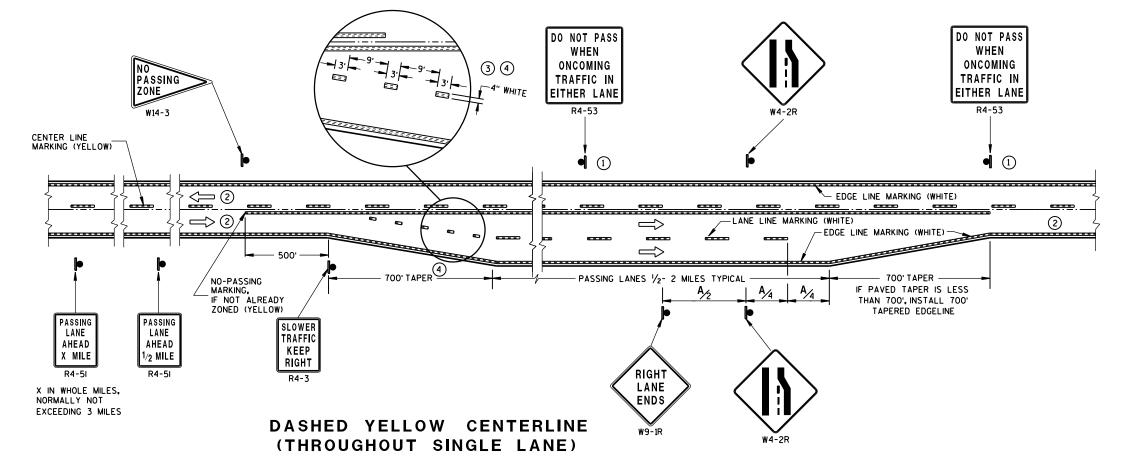
GENERAL NOTES

- \bigodot Sign shall be repeated at $\ensuremath{\mathcal{V}}_2$ mile increments or at the discretion of the regional traffic engineer.
- (2) THERE MAY BE SOLID YELLOW ON THE CENTERLINE DUE TO SIGHT CONDITIONS.
- THE TAPER LENGTH OF THE DOTTED LINE PAVEMENT MARKING SHALL BE 700 FEET, 3'LINE 9'GAP, EXCEPT RETRACE THE EXISTING LINE-GAP PATTERN WHERE EXISTING MARKINGS ARE IN PLACE.
- WHEN THE ENTRANCE TAPER IS LESS THAN 700 FEET OR THE SHOULDER WIDTH IN THE PASSING/CLIMBING LANE IS LESS THAN THE ADJACENT HIGHWAY, DO NOT INSTALL DOTTED LINE PAVEMENT MARKING.

ARROW SYMBOL () SHOWS DIRECTION OF TRAVEL

DISTANCE TABLE

| POSTED OR 85th PERCENTILE SPEED | DISTANCE "A" |
|------------------------------------|--------------|
| 45 | 750 |
| 50 | 850 |
| 55 | 950 |



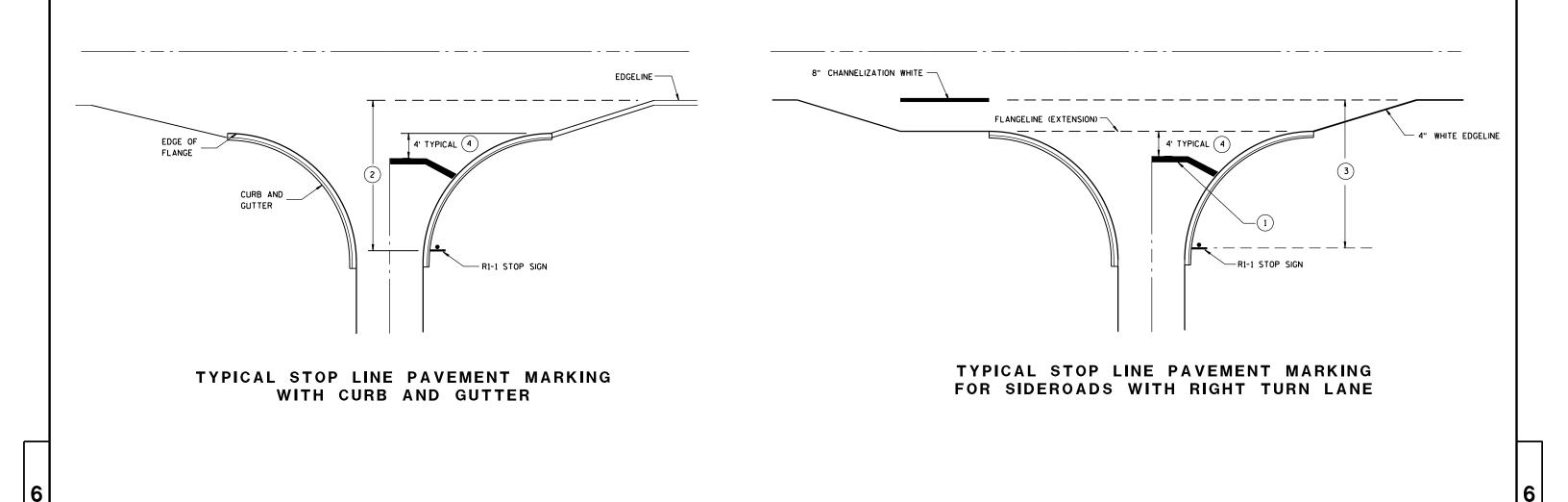
PAVEMENT MARKING & SIGNING (CLIMBING LANE & PASSING LANE)

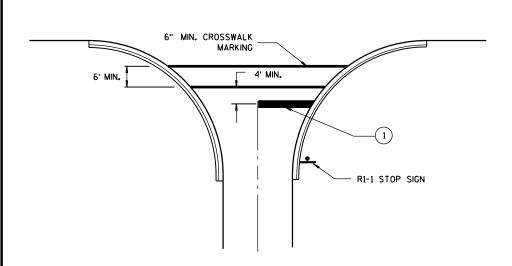
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

16 d

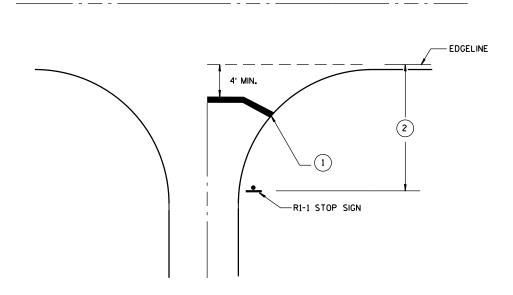
Ω Ω







TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH CROSSWALK MARKING



TYPICAL STOP LINE PAVEMENT MARKING WITHOUT CURB AND GUTTER

GENERAL NOTES

- 1 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE PROJECT ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
- 2 IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE THAN NO STOP LINE IS REQUIRED.
- (3) IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGELINE EXTENSION THAN NO STOP LINE IS REQUIRED.
- MOVE CLOSER TO EDGE OF TRAVEL LANE AS NEEDED FOR VISIBILITY AND SIGHT LINES.

STOP LINE AND CROSSWALK PAVEMENT MARKING

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

| APPROVED | |
|-----------|------------------------|
| 4/30/2013 | /S/ Travis Feltes |
| DATE | STATE TRAFFIC ENGINEER |
| FHWA | |

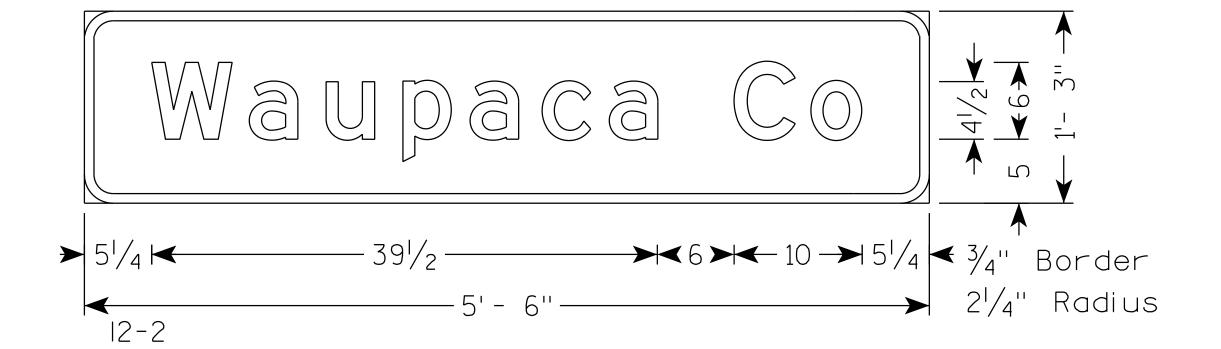
.D.D. 15 C 33-1

S.D.D.

- 1. All Signs Type II Type H Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - Green Message - White

3. Message Series - E



PLOT DATE : 4/14/2014

PROJECT NO:6844-00-71

HWY: CTH E

COUNTY: WAUPACA

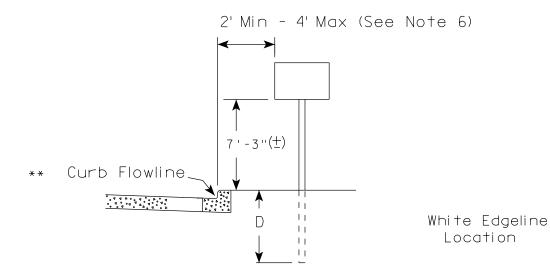
SIGN DETAILS

PLOT NAME :

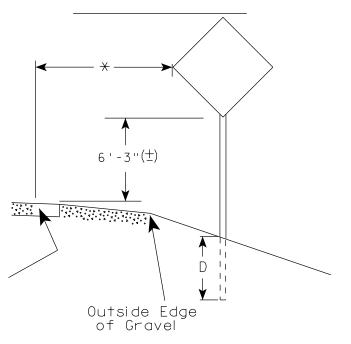
SHEET NO:

PLOT SCALE : 1:7.49531

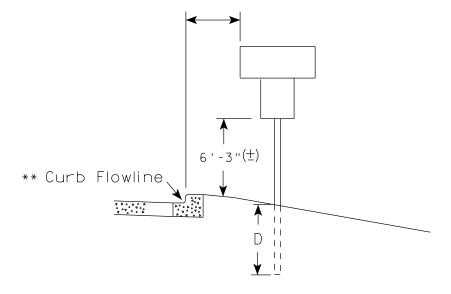
urban area



RURAL AREA (See Note 2)



2' Min - 4' Max (See Note 6)



White Edgeline
Location

Outside Edge
of Gravel

** 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.

HWY:

* 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.

PLOT BY : mscj9h

GENERAL NOTES

- 1. Signs wider than 4 feet, 20 sq.ft or larger, 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'' (\pm) or 6'-3'' (\pm) per urban or rural detail respectively.
- 5. Minimum mounting height for signs mounted on traffic signal poles is 5' 3" (\pm) .
- 6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
- 7. The (\pm) tolerance for mounting height is 3 inches.
- 8. Folding stop signs (R1-1F) shall be mounted at a height of 5'-3" (\pm) 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 (R6-4B), Enhanced Reference Markers, Clearance Markers (W5-52), Mile Markers (D10 series) & End of Rod Markers (W5-56 & W5-56A) shall be mounted at a height of 4'-3" (+).

POST EMBEDMENT DEPTH

| Area of Sign | |
|-----------------|-------|
| Installation | D |
| (Sq. Ft.) | (Min) |
| 20 or Less | 4' |
| Greater than 20 | 5' |

TYPICAL INSTALLATION
OF PERMANENT TYPE II
SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther & Rauh
For State Traffic Engineer

DATE 9/30/13

SHEET NO:

COUNTY:

JN I Y:

PLOT DATE: 30-SEP-2013 13:25

PLOT NAME :

PLOT SCALE: 99.237937:1.000000

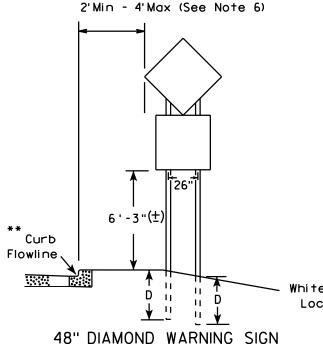
WISDOT/CADDS SHEET 42

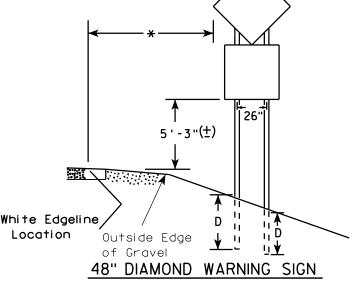
PROJECT NO:

GENERAL NOTES

- 1. For 3 or 4 post installations, individual post spacing shall be greater than 3'-6".
- 2. See tables below for required number of posts.
- 3. For expressways and freeways, mounting height is 7'-3'' (±) or 6'-3'' (±) depending upon existence of sub-sign.
- 4. The (±) tolerance for mounting height is 3 inches.
- 5. Minimum mounting height for J assemblies (A4-5) is 7'-3" (\pm) or 6'-3" (\pm) per urban or rural detail respectively.
- 6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
- 7. Folding stop signs (R1-1F) shall be mounted at a height of 5'-3" (±) or as directed by the engineer.
- 8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B). 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" (\pm).
- * 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.
- ** 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.
- ** See A4-3 sign plate for signs 4' or less in width or 20 S.F. or less in area.

URBAN AREA RURAL AREA (See Note 3) 2' Min - 4' Max (See Note 6) ₩E# FF# 6'-3"(±) 6'-3"(±) 7'-3"(±) ** Curb ********\ Flowline D 700 M White Edgeline D 11 White Edgeline, Location Outside Edae Location Outside Edge of Gravel





COUNTY:

of Gravel

| | SIGN SHAPE OTHER THAN (TWO POSTS REQUIRED | |
|------------------|-------------------------------------------|-----|
| | L | E |
| * * * | Greater than 48" Less than 60" | 12" |
| | 60" to 120" | L/5 |

| SIGN SHAPE OTHER THAN (THREE POSTS REQUIR | |
|----------------------------------------------|-----|
| L | E |
| Greater than 120" less than 168" | 12" |

HWY:

| SIGN SHAPE OTHER THAN (FOUR POSTS REQUIRE | |
|-------------------------------------------|-----|
| L | E |
| 168" and greater | 12" |

POST EMBEDMENT DEPTH

| Area of Sign | |
|-----------------|---------|
| Installation | D |
| (Sq. Ft.) | (Min) |
| 20 or Less | 4' |
| Greater than 20 | 5' |

TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

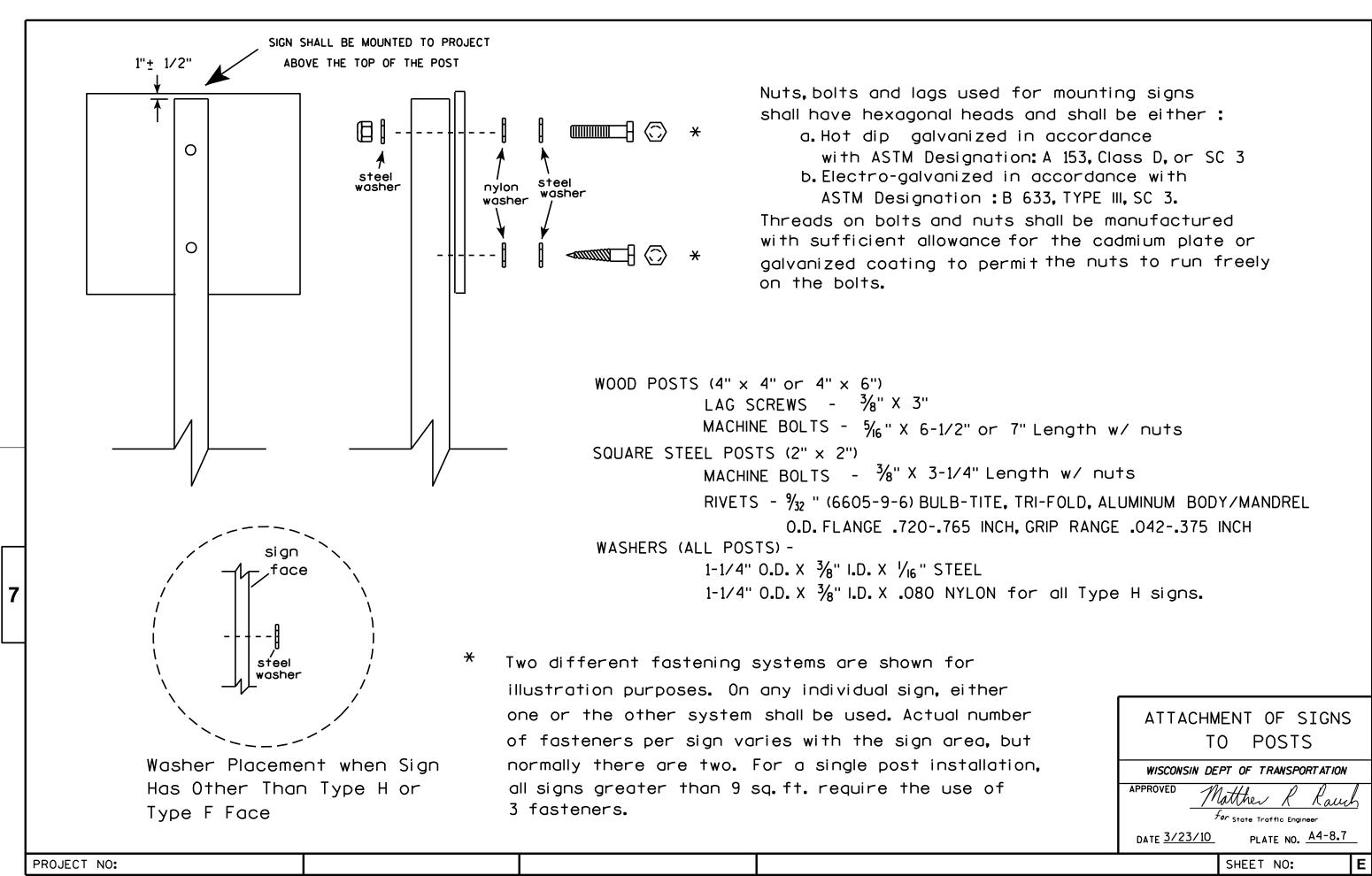
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matther For State Traffic Engineer

PLATE NO. A4-4.12 DATE 9/30/13

SHEET NO: PLOT BY: mscj9h

PROJECT NO:





- Sign is Type II see Note 7 reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

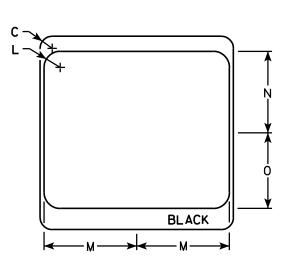
Background - White & Black - See Note 7 Message - Black

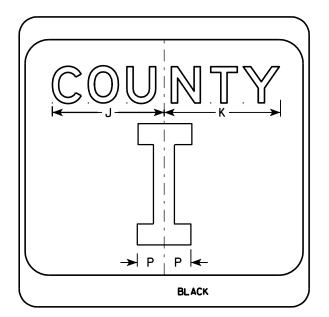
- 3. Message Series see Note 5
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. Message Series E for 1 letter.

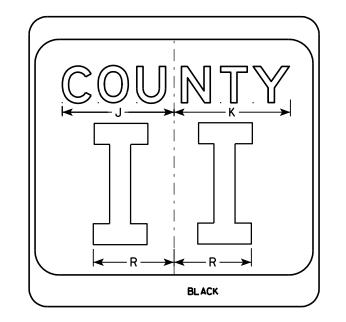
 Message Series D for 2 letters unless
 message is too big then Series C.

 Message Series C for 3 letters unless
 message is too big then Series B.
- 6. Substitute appropriate letters & optically center to achieve proper balance.
- 7. Permanent Signs

Background - Type H Reflective Detour or temporary Signs Background - Reflective







PLOT NAME :

| SIZE | Α | В | С | D | E | F | G | Н | I | J | К | L | М | N | 0 | Р | 0 | R | S | Т | U | V | W | Х | Y | Z | Area sq. ft. |
|------|------|-----|-------|---|---|----|-----|-------|-------|--------|--------|---|--------|--------|-------|-------|---|-----|---|---|---|---|---|---|---|---|-----------------|
| 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 24 | | 1 1/2 | | | 10 | 3 | 5 1/8 | 4 1/8 | 9 1/4 | 9 5/8 | 2 | 11 1/2 | 10 1/8 | 9 3/8 | 2 1/4 | | 6 % | | | | | | | | | 4.0 |
| 3 | 36 | | 2 1/4 | | | 16 | 4 | 7 % | 5 % | 12 1/4 | 12 1/8 | 3 | 17 1/8 | 15 1/4 | 14 | 3 3/8 | | 10 | | | | | | | | | 9.0 |
| 4 | 36 | | 2 1/4 | | | 16 | 4 | 7 % | 5 % | 12 1/4 | 12 1/8 | 3 | 17 1/8 | 15 1/4 | 14 | 3 % | | 10 | | | | | | | | | 9.0 |
| 5 | 36 | | 2 1/4 | | | 16 | 4 | 7 5/8 | 5 % | 12 1/4 | 12 1/8 | 3 | 17 1/8 | 15 1/4 | 14 | 3 3/8 | | 10 | | | | | | | | | 9.0 |
| DDO | IECT | NO. | | | | | 111 | /V. | | | | | COUN | TV. | | | | | | | | | | | | | |
| FRU | JECT | NO. | | | | | HV | V I . | | | | | | I I . | | | | | I | | | | | | | | |

CTH MARKER
M1-5A FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

PROVED

Matthew Rauch

Forstate Traffic Engineer

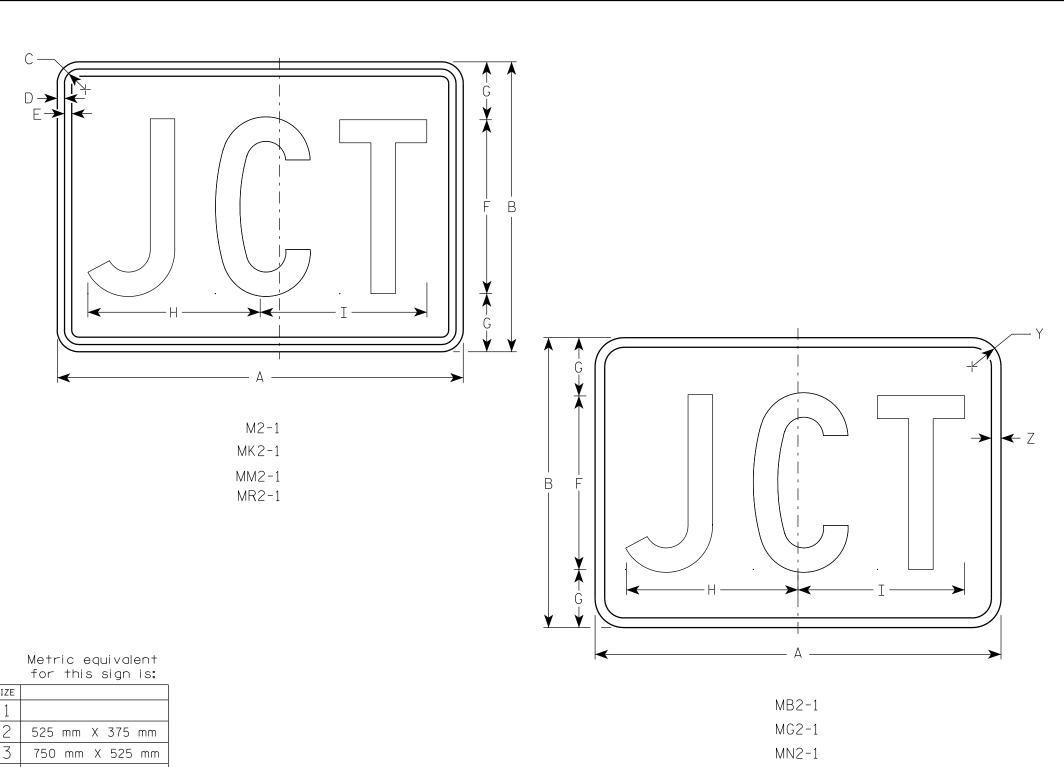
MATE 9/27/11 PLATE NO. M1-5A.8

DATE 9/27/11

SHEET NO:

BLACK

M1-5A



- 1. Sign is Type II See Note 5 reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - See note 5 Message - See note 5

- 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.
- 5. M2-1 Background White Type H Reflective (Detour or temporary Signs - Reflective) Message - Black
 - MB2-1 Background Blue Message - White - Type H Reflective (Detour or temporary Signs - Reflective)
 - MG2-1 Background Green Message - White - Type H Reflective
 - MK2-1 Background Green Message - White - Type H Reflective
 - MM2-1 Background White Type H Reflective Message - Green
 - MN2-1 Background Brown Message - White - Type H Reflective
 - MR2-1 Background Brown Message - Yellow - Type H Reflective

750 mm X 525 mm 750 mm X 525 mm

PROJECT NO:

| SIZE | Ξ. | А | В | С | D | E | F | G | Н | I | J | K | L | М | N | 0 | Р | Q | R | S | Т | U | ٧ | W | X | Y | Z | Area sq. ft. | Area m2 |
|------|----|----|----|-------|-----|-----|----|---|--------|--------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------|-----|-----------------|------------|
| 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 2 | 21 | 15 | 1 1/8 | 3/8 | 3/8 | 9 | 3 | 8 7/8 | 8 % | | | | | | | | | | | | | | | | 1 1/2 | 1/2 | 2.20 | 0.20 |
| 3 | 3 | 30 | 21 | 1 1/8 | 3/8 | 3/8 | 13 | 4 | 12 1/8 | 12 3/8 | | | | | | | | | | | | | | | | 1 1/2 | 1/2 | 4.40 | 0.20 |
| 4 | - | 30 | 21 | 1 1/8 | 3/8 | 3/8 | 13 | 4 | 12 1/8 | 12 3/8 | | | | | | | | | | | | | | | | 1 1/2 | 1/2 | 4.40 | 0.20 |
| 5 | - | 30 | 21 | 1 1/8 | 3/8 | 3/8 | 13 | 4 | 12 1/8 | 12 3/8 | | | | | | | | | | | | | | | | 1 1/2 | 1/2 | 4.40 | 0.20 |

COUNTY:

STANDARD SIGN

M2 - 1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

 f_{or} State Traffic Engineer

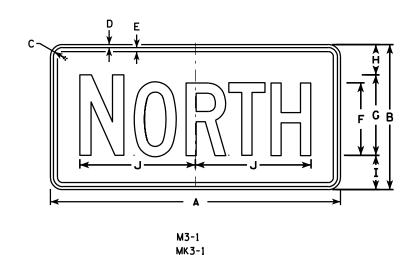
DATE 3/16/10

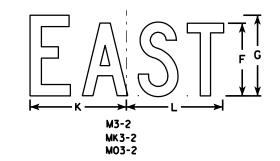
PLATE NO. M2-1.10 SHEET NO:

WISDOT/CADDS SHEET 42

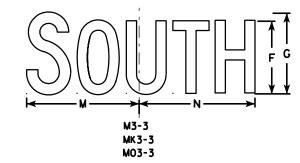
PLOT NAME : PLOT DATE: 16-MAR-2010 09:49 PLOT SCALE: 4.965868:1.000000 PLOT BY: dotsja

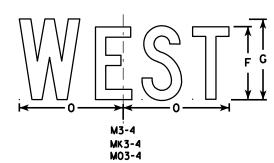
HWY:



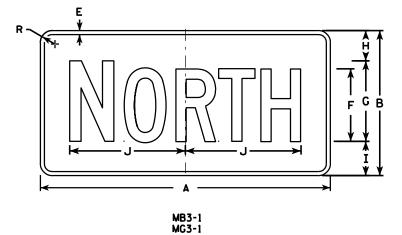


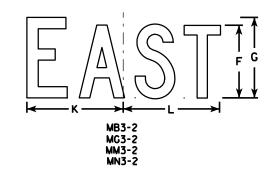
MO3-1





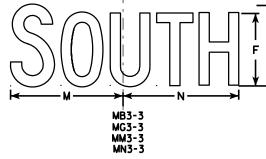
HWY:

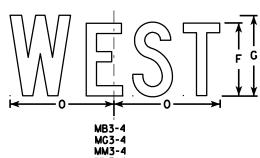




MM3-1

MN3-1





<u>NOTES</u>

- 1. All Signs Type II See Note 5 reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - See note 5 Message - See note 5

- 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.
- 5. M3-1 thru M3-4 Background White Type H Reflective (Detour or temporary signs Reflective) Message Black
 - MB3-1 thru MB3-4 Background Blue Message - White - Type H Reflective (Detour or temporary signs - Reflective)
 - MG3-1 thru MG3-4 Background Green

 Message White Type H Reflective
 - MK3-1 thru MK3-4 Background Green

 Message White Type H Reflective
 - MM3-1 thru MM3-4 Background White Type H Reflective Message Green
 - MN3-1 thru MN3-4 Background Brown
 Message White Type H Reflective
 - M03-1 thru M03-4 Background Orange Reflective Message Black
- 6. Note the first letter of each direction is larger than the remainder of the message.

| SIZE | Α | В | С | D | E | F | G | Н | I | J | K | L | М | N | 0 | Р | 0 | R | S | Т | כ | ٧ | W | X | Y | Z | Area sq. ft. |
|------|----|----|-------|-----|-----|---|----|-------|-------|--------|-------|--------|--------|--------|-----|---|---|-------|---|---|---|---|---|---|---|---|-----------------|
| 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 24 | 12 | 1 1/8 | 3/8 | 3⁄8 | 6 | 7 | 2 1/4 | 2 3/4 | 10 1/4 | 7 1/8 | 8 3/8 | 10 1/4 | 9 ¾ | 8 ¾ | | | 1 1/2 | | | | | | | | | 2.00 |
| 3 | 36 | 18 | 1 1/8 | 3/8 | 1/2 | 9 | 10 | 3 3/4 | 4 1/4 | 14 3/8 | 12 | 12 1/8 | 14 | 14 1/8 | 13 | | | 1 1/2 | | | | | | | | | 4.5 |
| 4 | 36 | 18 | 1 1/8 | 3/8 | 1/2 | 9 | 10 | 3 3/4 | 4 1/4 | 14 3/8 | 12 | 12 1/8 | 14 | 14 1/8 | 13 | | | 1 1/2 | | | | | | | | | 4.5 |
| 5 | 36 | 18 | 1 1/8 | 3/8 | 1/2 | 9 | 10 | 3 3/4 | 4 1/4 | 14 3/8 | 12 | 12 1/8 | 14 | 14 1/8 | 13 | | | 1 1/2 | | | | | | | | | 4.5 |

COUNTY:

STANDARD SIGNS M3-1 thur M3-4 SERIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

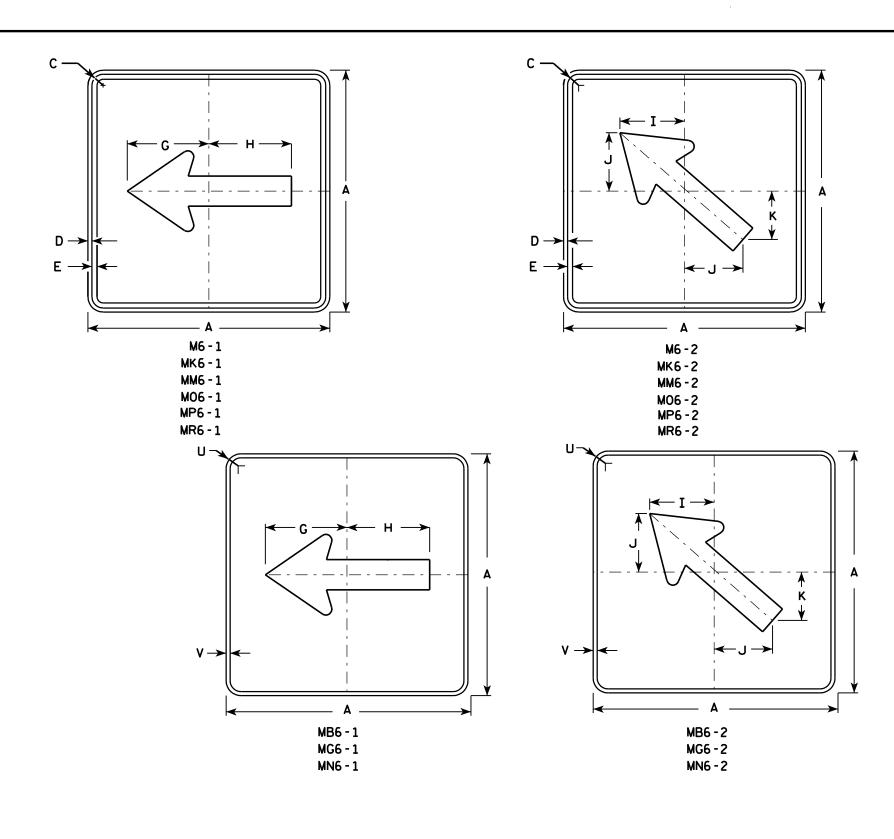
For State Traffic Engineer

DATE 11/10/10 PLATE NO. M3-1.12

SHEET NO: E

PROJECT NO:

PLOT NAME :



- 1. Signs are Type II See Note 4 reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

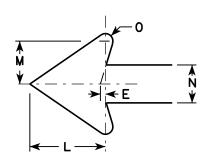
Background - See note 4 Message - See note 4

- 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.
- 4. M6-1 and M6-2 Background White Type H Reflective Message Black
 - MB6-1 and MB6-2 Background Blue Message - White - Type H Reflective
 - MG6-1 and MG6-2 Background Green
 Message White Type H Reflective
 - MK6-1 and MK6-2 Background Green

 Message White Type H Reflective
 - MM6-1 and MM6-2 Background White Type H Reflective Message Green
 - MN6-1 and MN6-2 Background Brown

 Message White Type H Reflective
 - M06-1 and M06-2 Background Orange Type F Reflective Message - Black
 - MP6-1 and MP6-2 Background White Type H Reflective Message Blue
 - MR6-1 and MR6-2 Background Brown

 Message Yellow Type H Reflective



PLOT NAME :

| SIZE | Α | В | С | D | Е | F | G | Н | I | J | К | L | M | N | 0 | Р | 0 | R | S | T | U | ٧ | ₩ | Х | Y | Z | Area sq. ft. |
|------|----|---|-------|-----|-----|---|--------|--------|-----|-------|-------|-------|-------|-------|-----|---|---|---|---|---|-------|-----|---|---|---|---|-----------------|
| 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 21 | | 1 1/8 | 3/8 | 3/8 | | 7 1/2 | 7 1/8 | 5 % | 5 | 4 1/4 | 5 1/4 | 3 | 2 % | 1/2 | | | | | | 1 1/2 | 1/2 | | | | | 3.06 |
| 3 | 30 | | 1 3/8 | 1/2 | 5/8 | | 10 ¾ | 10 1/4 | 8 | 7 1/4 | 6 | 7 1/2 | 4 1/4 | 3 3/4 | 3/4 | | | | | | 1 1/8 | 1/2 | | | | | 6.25 |
| 4 | 30 | | 1 3/8 | 1/2 | 5/8 | | 10 ¾ | 10 1/4 | 8 | 7 1/4 | 6 | 7 1/2 | 4 1/4 | 3 3/4 | 3/4 | | | | | | 1 1/8 | 1/2 | | | | | 6.25 |
| 5 | 30 | | 1 3/8 | 1/2 | 5/8 | | 10 3/4 | 10 1/4 | 8 | 7 1/4 | 6 | 7 1/2 | 4 1/4 | 3 3/4 | 3/4 | | | | | | 1 1/8 | 1/2 | | | | | 6.25 |

COUNTY:

STANDARD SIGN M6-1 & M6-2 SERIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

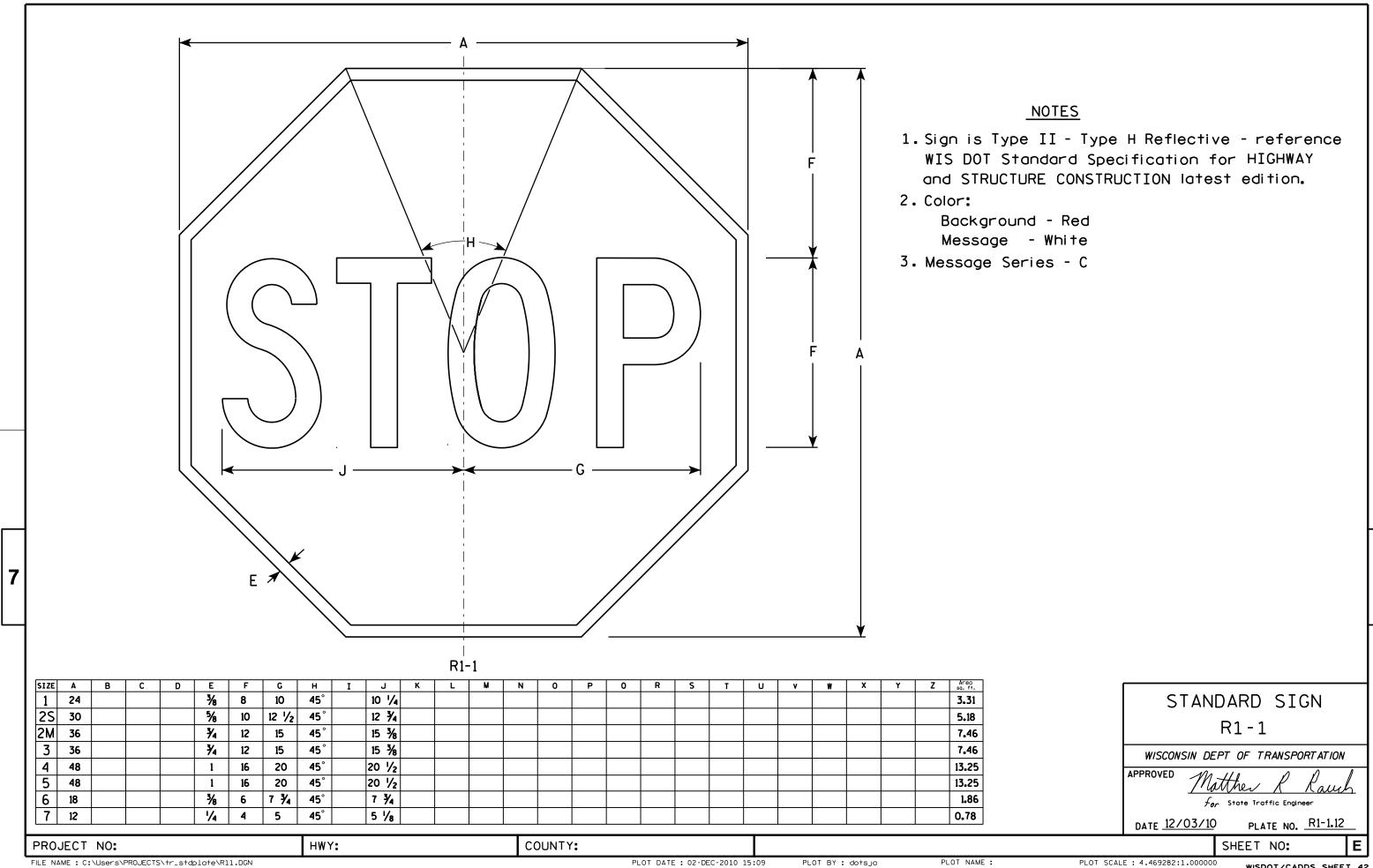
Matther R Rauch

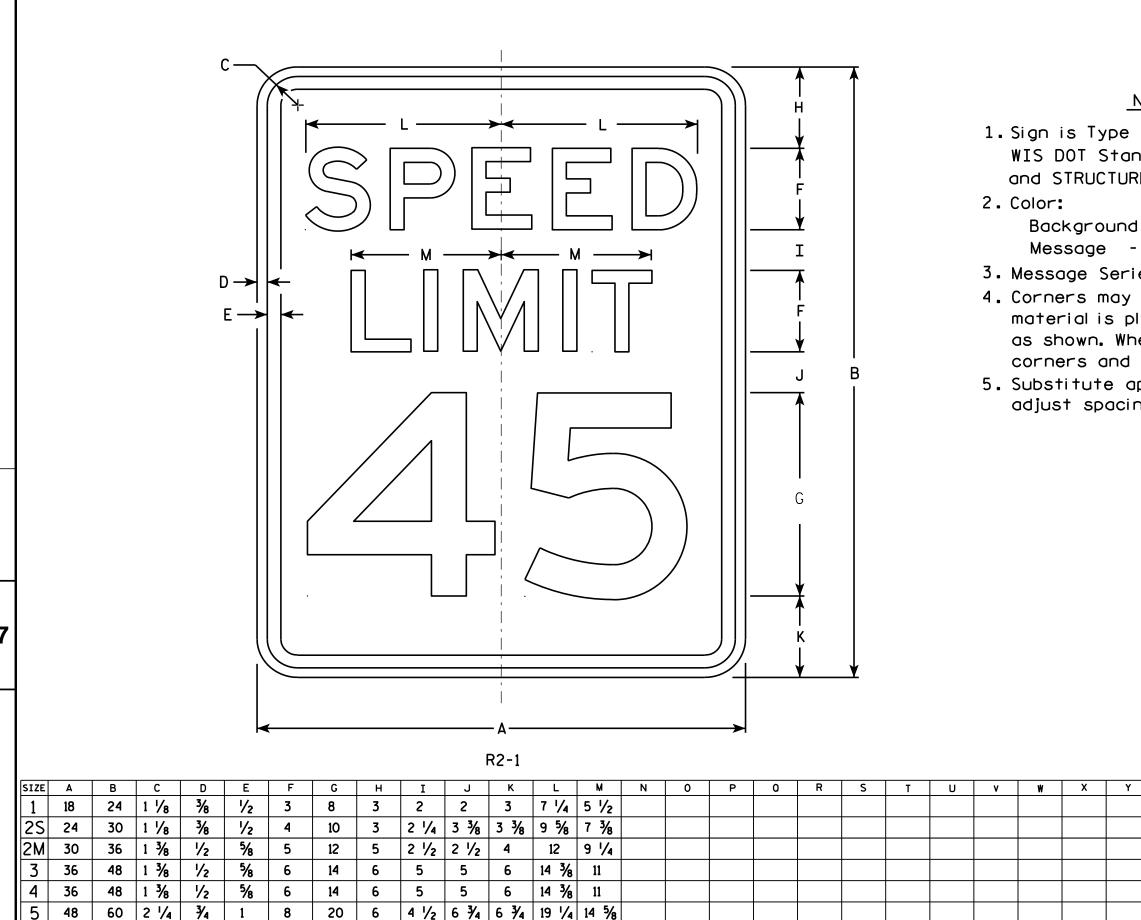
DATE 7/29/13 PLATE NO. M6-1.13

SHEET NO:

HWY:

PROJECT NO:





COUNTY:

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.

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.

3.0

5.0

7.5

12.0

12.0

20.0

STANDARD SIGN R2-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matther R Raus

For State Traffic Engineer DATE <u>5/26/1</u>0 PLATE NO. R2-1.13

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R21.DGN

PROJECT NO:

HWY:

PLOT DATE: 28-MAY-2010 08:32

PLOT BY : ditjph

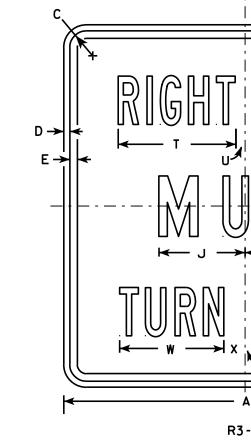
PLOT NAME :

PLOT SCALE: 4.717577:1.000000

- 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 Line 1 is Series B. Line 2 is Series C. Line 3 on plate R3-7R is Series B and Series C on plate R3-7L.
- 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.



R3-7R

| SIZE | Α | В | С | D | E | F | G | Н | I | J | K | L | М | N | 0 | Р | 0 | R | S | T | U | V | w | X | Y | Z | Area sq. ft. |
|------|----|---|-------|-----|-----|---|-------|-------|-------|--------|--------|--------|-------|-------|--------|-------|---|-------|--------|--------|-----|-------|--------|-------|-------|---|-----------------|
| 1 | 30 | | 1 3/8 | 1/2 | 5/8 | 5 | 7 3/4 | 1 3/4 | 5/8 | 7 1/8 | 7 3/4 | 11 1/4 | 2 3/8 | 3/4 | 9 % | 4 1/4 | 4 | 2 1/2 | 8 % | 9 3/4 | 3/4 | 1 % | 8 % | 1 % | 5/8 | | 6.25 |
| 2S | 30 | | 1 3/8 | 1/2 | 5/8 | 5 | 7 3/4 | 1 3/4 | 5/8 | 7 1/8 | 7 3/4 | 11 1/4 | 2 3/8 | 3/4 | 9 % | 4 1/4 | 4 | 2 1/2 | 8 1/8 | 9 3/4 | 3/4 | 1 % | 8 % | 1 % | 5/8 | | 6.25 |
| 2M | 30 | | 1 3/8 | 1/2 | 5/8 | 5 | 7 3/4 | 1 3/4 | 5/8 | 7 1/8 | 7 3/4 | 11 1/4 | 2 3/8 | 3/4 | 9 % | 4 1/4 | 4 | 2 1/2 | 8 % | 9 3/4 | 3/4 | 1 % | 8 % | 1 % | 5/8 | | 6.25 |
| 3 | 36 | | 1 % | 5/8 | 3/4 | 6 | 9 % | 2 | 1 1/8 | 8 3/4 | 9 | 13 1/2 | 3 % | 1 1/2 | 12 1/2 | 5 | 5 | 3 | 10 % | 12 | % | 2 1/4 | 10 % | 2 1/8 | 1 | | 9.00 |
| 4 | 48 | | 2 1/4 | 3/4 | 1 | 8 | 13 ½ | 2 3/8 | 1 1/2 | 11 1/2 | 11 1/8 | 17 3/4 | 3 % | 2 1/2 | 16 3/8 | 6 1/2 | 7 | 4 | 14 3/8 | 16 1/8 | 5/8 | 3 1/4 | 15 1/8 | 2 3/4 | 1 1/8 | | 16.00 |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | |

COUNTY:

STANDARD SIGN R3-7L & R3-7R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Y YUMMEN K KAU For State Traffic Engineer

PLATE NO. R3-7.3 DATE 3/18/2011

SHEET NO:

PROJECT NO: FILE NAME : C:\Users\PROJECTS\tr_stdplate\R37.DGN

R3-7L

HWY:

PLOT DATE: 18-MAR-2011 09:43

PLOT NAME :

PLOT BY: mscsja

PLOT SCALE: 7.945391:1.000000

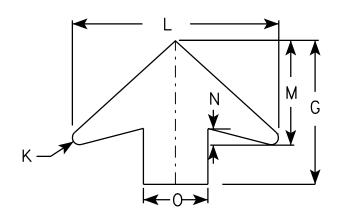
00 S3-1

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-GREEN Message - BLACK except as noted Circles except PEDS- RED BACKGROUND

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.



| A DDOW | |
|--------|--------|
| ARROW | DETAIL |

| SIZE | Α | В | С | D | E | F | G | н | I | J | K | L | М | N | 0 | Р | 0 | R | S | Т | U | ٧ | W | Х | Y | Z | Area sq. ft. |
|------|----|---|-------|-----|-----|-------|--------|--------|-------|-------|-------------|--------|-------|-------|---|-------|---|--------|-------|--------|---|---|---|---|---|---|-----------------|
| 1 | 30 | | 1 3/8 | 1/2 | 5/8 | 6 1/4 | 11 1/4 | 12 1/2 | 5 1/4 | 5 ½ | 1/2 | 16 | 8 | 1 1/4 | 5 | 1 1/2 | | 6 % | 5 | 10 % | | | | | | | 6.25 |
| 2 | 36 | | 1 % | 5/8 | 3/4 | 7 1/2 | 13 1/2 | 15 1/8 | 6 1/4 | 6 1/2 | 5/8 | 19 1/4 | 9 3/4 | 1 % | 6 | 1 1/8 | | 7 1/8 | 6 3/8 | 12 3/8 | | | | | | | 9.0 |
| 3 | 48 | | 2 1/4 | 3/4 | 1 | 10 | 17 1/8 | 20 1/8 | 8 % | 8 ¾ | 7 ⁄8 | 25 % | 13 | 2 | 8 | 2 1/2 | | 10 1/2 | 8 1/2 | 16 1/2 | | | | | | | 16.0 |
| 4 | 48 | | 2 1/4 | 3/4 | 1 | 10 | 17 1/8 | 20 1/8 | 8 3/8 | 8 3/4 | 7/8 | 25 % | 13 | 2 | 8 | 2 1/2 | | 10 1/2 | 8 1/2 | 16 1/2 | | | | | | | 16.0 |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | |

STANDARD SIGN S3-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

for State Traffic Engineer DATE <u>6/8/10</u>

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\S31.DGN

PROJECT NO:

PLOT DATE: 08-JUN-2010 15:30

PLOT BY: ditjph

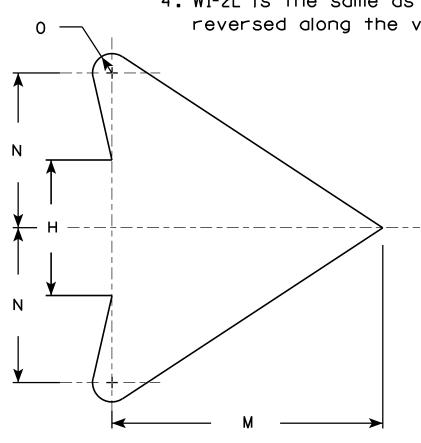
WISDOT/CADDS SHEET 42

PLATE NO. <u>\$3-1.6</u>

- 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.
- 4. W1-2L is the same as W1-2R except the arrow is reversed along the vertical centerline.



| ARROW | DETAIL |
|-------|--------|
| | |

| | | | | | | | | W | 1-2R | | | | | | | | | | | | | | | <u> </u> | <u>-</u> | | |
|------|----|---|-------|-----|-----|---|--------|-------|-------|-------|-------|--------|--------|---|-----|---|---|---|---|---|---|---|---|----------|----------|---|-----------------|
| SIZE | Α | В | С | D | E | F | G | Н | I | J | К | L | М | N | 0 | Р | 0 | R | S | Т | U | v | W | × | Y | Z | Areo sq. ft. |
| 1 | 24 | | 1 1/8 | 3/8 | 1/2 | | 8 1/4 | 3 1/2 | 4 1/2 | 1 3/4 | 2 3/8 | 7 1/4 | 7 | 4 | 1/2 | | | | | | | | | | | | 4.0 |
| 25 | 30 | | 1 3/8 | 1/2 | 5/8 | | 10 1/4 | 4 3/8 | 5 % | 2 1/4 | 3 | 9 1/8 | 8 3/4 | 5 | 5/8 | | | | | | | | | | | | 6.25 |
| 2M | 36 | | 1 5/8 | 5/8 | 3/4 | | 12 3/8 | 5 1/4 | 6 3/4 | 2 % | 3 1/2 | 10 % | 10 1/2 | 6 | 3/4 | | | | | | | | | | | | 9.0 |
| 3 | 36 | | 1 5/8 | 5/8 | 3/4 | | 12 3/8 | 5 1/4 | 6 3/4 | 2 % | 3 1/2 | 10 % | 10 1/2 | 6 | 3/4 | | | | | | | | | | | | 9.0 |
| 4 | 36 | | 1 5/8 | 5/8 | 3/4 | | 12 3/8 | 5 1/4 | 6 3/4 | 2 % | 3 1/2 | 10 1/8 | 10 1/2 | 6 | 3/4 | | | | | | | | | | | | 9.0 |
| 5 | 48 | | 2 1/4 | 3/4 | 1 | | 16 1/2 | 7 | 9 | 3 1/2 | 4 % | 14 1/2 | 14 | 8 | 1 | | | | | | | | | | | | 16.0 |

COUNTY:

STANDARD SIGN W1-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew R Rawh

DATE <u>5/15/12</u>

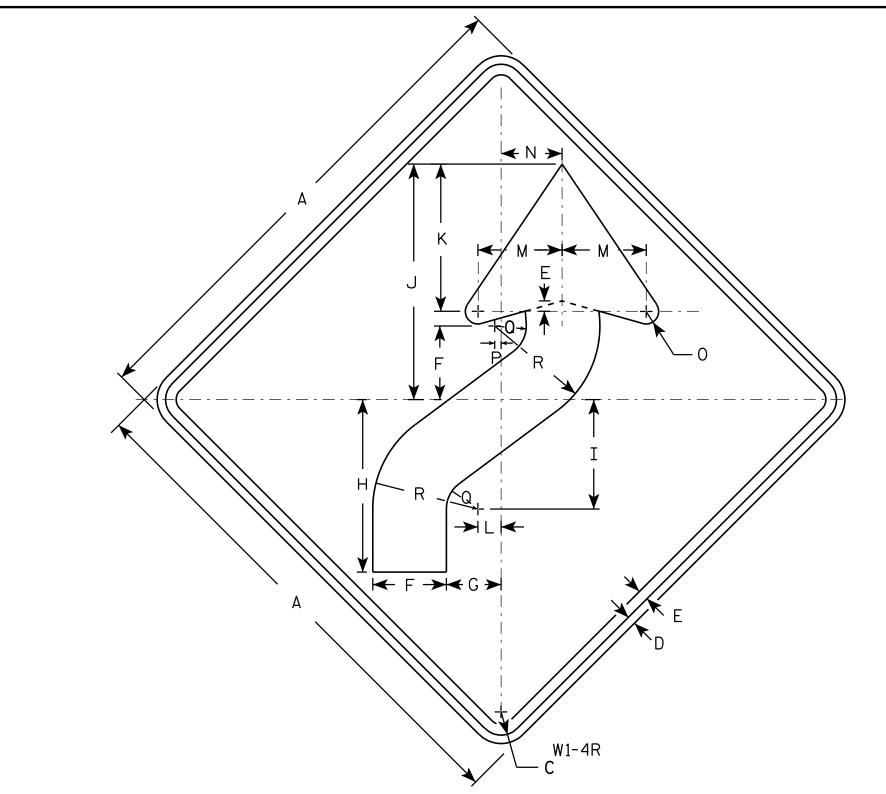
PLATE NO. W1-2.10

SHEET NO:

PROJECT NO:

← H →

HWY:



- 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.
- 4. W1-4L is the same as W1-4R except the arrow is reversed along the vertical centerline.

3 1/2 2 5/8 8 1/4 5 1/4 11 1/4 5/8 1/4 1 1/2 5 24 1 1/8 4.0 25 3 5/8 3/4 3/8 1 1/8 6 1/4 30 4 3/8 3 1/4 10 1/4 6 1/2 14 8 3/4 1 3/8 6.25 36 12 3/8 7 1/8 16 1/8 10 1/2 1 5/8 4 1/2 1 1/2 2 1/4 7 1/2 9.0 3 12 3/8 7 1/8 16 1/8 10 1/2 1 5/8 36 5 1/4 4 1/2 | 1 1/2 2 1/4 7 1/2 9.0 4 36 1 % 5 1/4 | 12 3/8 | 7 3/8 | 16 3/8 | 10 1/2 | 1 5/8 4 1/2 1 2 1/4 7 1/2 1/2 9.0 5 48 5 1/4 16 1/2 10 1/2 22 1/2 14 2 1/4 6 1 1/4 16.0

COUNTY:

STANDARD SIGN W1-4

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther R Raul for State Traffic Engineer

DATE <u>5/17/12</u>

PLATE NO. W1-4.11

SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W14.DGN

PROJECT NO:

HWY:

PLOT DATE: 17-MAY-2012 13:20

PLOT NAME :

PLOT BY: mscsja

PLOT SCALE : 5.706180:1.000000

- 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.

| c — | A A |
|-----------|-------------------|
| | G |
| | <u>↓</u> ★ B |
| | |
| N + H - H | |
| A | |
| W1-6 | |

| SIZE | Α | В | С | D | E | F | G | Н | I | J | K | L | М | N | 0 | Р | 0 | R | S | Т | U | ٧ | W | Х | Y | Z | Areo sq. ft. |
|------|----|----|-------|-----|-----|---|----|--------|-------|-------|-------|-------|--------|--------|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|
| 1 | 36 | 18 | 1 1/8 | 3∕8 | 3/8 | | 9 | 10 | 3/4 | 5 % | 4 3/4 | 2 3/8 | 14 % | 29 1/4 | | | | | | | | | | | | | 4.5 |
| 25 | 48 | 24 | 1 3/8 | 1/2 | 5/8 | | 12 | 13 1/4 | 1 | 7 1/2 | 6 1/2 | 3 1/4 | 19 1/2 | 39 | | | | | | | | | | | | | 8.0 |
| 2M | 48 | 24 | 1 3/8 | 1/2 | 5/8 | | 12 | 13 1/4 | 1 | 7 1/2 | 6 1/2 | 3 1/4 | 19 1/2 | 39 | | | | | | | | | | | | | 8.0 |
| 3 | 60 | 30 | 1 3/8 | 1/2 | 5/8 | | 15 | 16 1/4 | 1 1/4 | 9 1/4 | 8 | 4 | 24 3/8 | 48 ¾ | | | | | | | | | | | | | 12.5 |
| 4 | 60 | 30 | 1 3/8 | 1/2 | 5/8 | | 15 | 16 1/4 | 1 1/4 | 9 1/4 | 8 | 4 | 24 3/8 | 48 ¾ | | | | | | | | | | | | | 12.5 |
| 5 | 96 | 48 | 2 1/4 | 3/4 | 1 | | 24 | 26 1/2 | 2 | 15 | 13 | 6 1/2 | 39 | 78 | | | | | | | | | | | | | 32.0 |

COUNTY:

STANDARD SIGN W1-6

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Ma

For State Traffic Engineer

DATE 6/7/10 PLATE NO. W1-6.8

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W16.DGN

HWY:

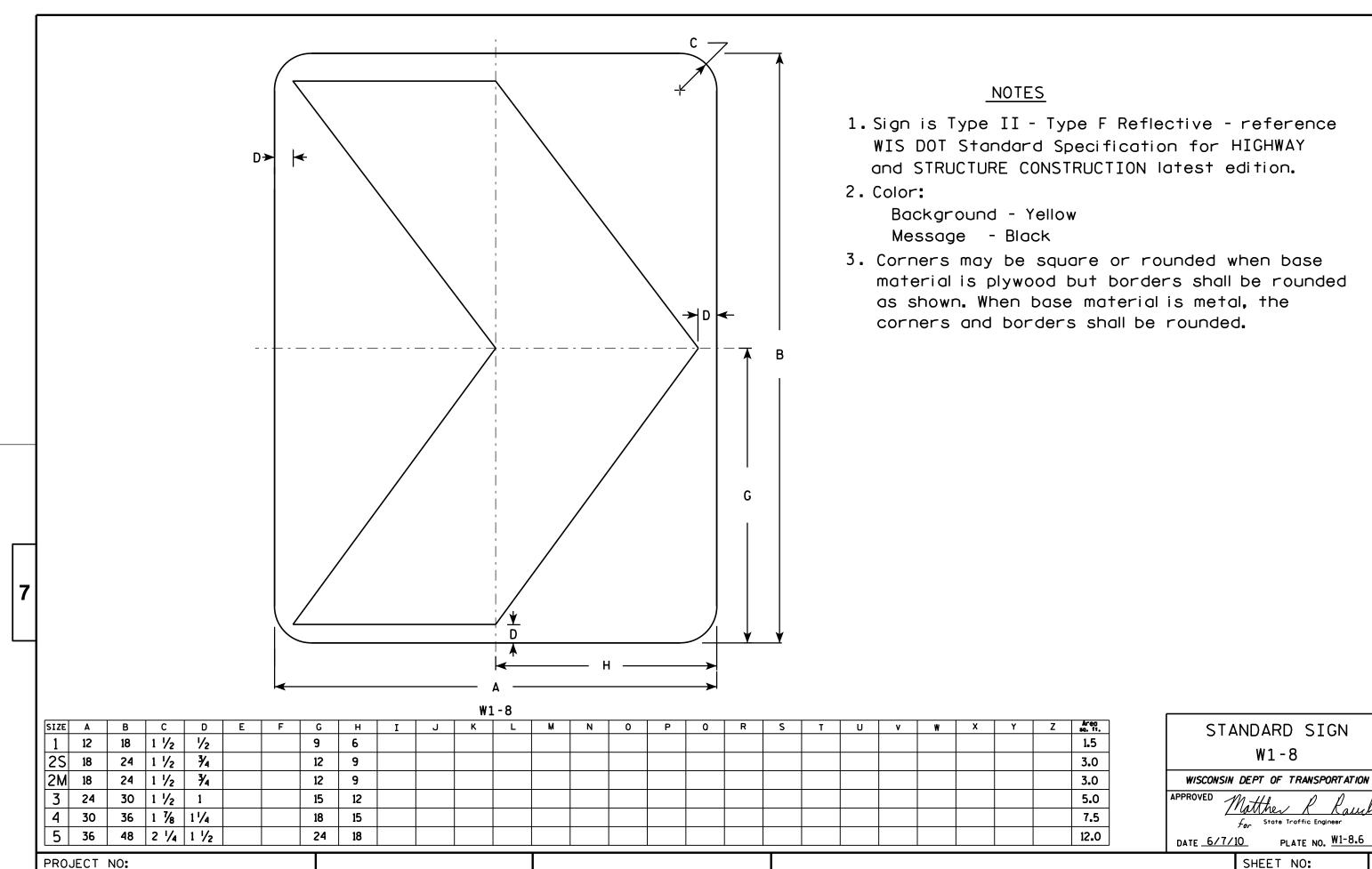
PROJECT NO:

PLOT DATE: 07-JUN-2010 10:37

PLOT BY : ditjph

PLOT NAME :

PLOT SCALE: 5.959043:1.000000



FILE NAME : C:\Users\PROJECTS\tr_stdplate\W18.DGN

PLOT DATE: 07-JUN-2010 12:55 PLOT BY : ditjph PLATE NO. W1-8.6

W1 - 8

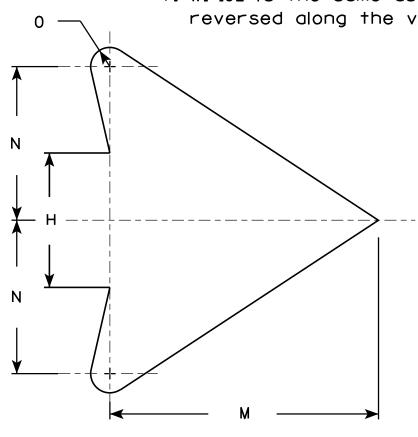
For State Traffic Engineer

SHEET NO:

- 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.
- 4. W1-10L is the same as W1-10R except the arrow is reversed along the vertical centerline.



| ARROW | DETAIL |
|-------|--------|
| | |

| SIZE | Α | В | С | D | ш | F | G | Н | I | J | K | L | M | N | 0 | Р | 0 | R | S | Т | J | v | W | X | Y | Z | Areo sq. ft. |
|------|----|---|-------|-----|-----|---|--------|-------|-------|-------|-------|--------|--------|---|-----|-----|----------------|-------|-------|-------------|---|---|---|---|---|---|-----------------|
| 1 | 24 | | 1 1/8 | 3/8 | 1/2 | | 8 1/4 | 3 1/2 | 4 1/2 | 1 3/4 | 2 3/8 | 7 1/4 | 7 | 4 | 1/2 | 2 % | 6 % | 2 1/8 | 4 1/2 | 45° | | | | | | | 4.0 |
| 25 | 30 | | 1 3/8 | 1/2 | 5/8 | | 10 1/4 | 4 % | 5 % | 2 1/4 | 3 | 9 1/8 | 8 ¾ | 5 | 5/8 | 3 % | 8 | 2 % | 5 ¾ | 45° | | | | | | | 6.25 |
| 2M | 36 | | 1 % | 5/8 | 3/4 | | 12 3/8 | 5 1/4 | 6 ¾ | 2 % | 3 1/2 | 10 1/8 | 10 1/2 | 6 | ₹4 | 4 | 10 | 3 1/4 | 6 % | 45° | | | | | | | 9.0 |
| 3 | 36 | | 1 % | 5/8 | ₹4 | | 12 3/8 | 5 1/4 | 6 ¾ | 2 % | 3 1/2 | 10 % | 10 1/2 | 6 | 3/4 | 4 | 10 | 3 1/4 | 6 % | 45 ° | | | | | | | 9.0 |
| 4 | 36 | | 1 % | 5/8 | 3/4 | | 12 3/8 | 5 1/4 | 6 ¾ | 2 % | 3 1/2 | 10 1/8 | 10 1/2 | 6 | 3/4 | 4 | 10 | 3 1/4 | 6 % | 45° | | | | | | | 9.0 |
| 5 | 48 | | 2 1/4 | ₹4 | 1 | | 16 1/2 | 7 | 9 | 3 1/2 | 4 % | 14 1/2 | 14 | 8 | 1 | 5 | 13 1/4 | 4 1/4 | 9 1/8 | 45° | | | | | | | 16.0 |

COUNTY:

STANDARD SIGN W1 - 10

WISCONSIN DEPT OF TRANSPORTATION

SHEET NO:

For State Traffic Engineer

DATE <u>5/17/12</u>

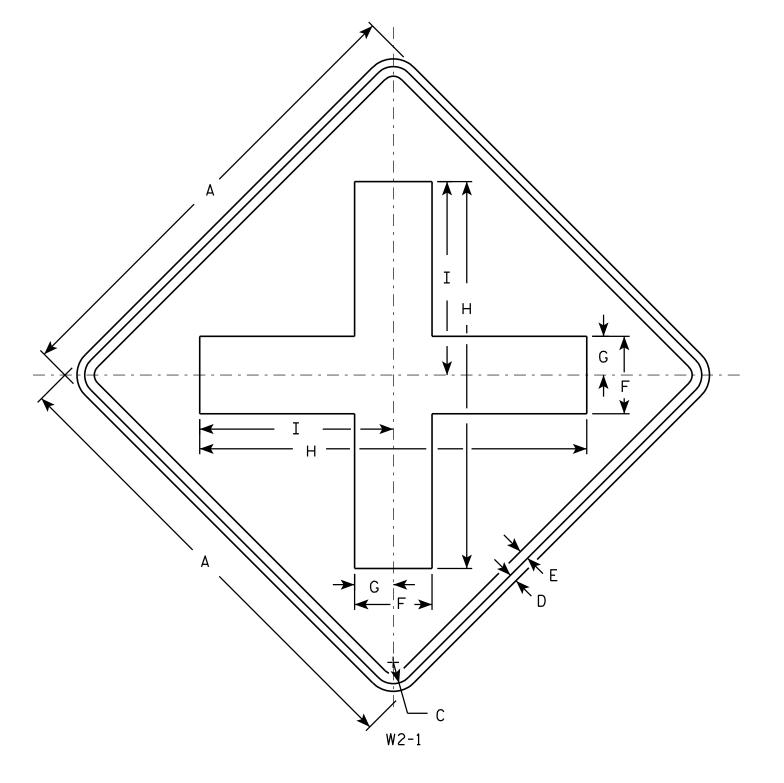
PLATE NO. W1-10.3

PROJECT NO:

.|← H →|← P→

HWY:

W1-10R



- 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.

| I | | | | | | | | | | | | | | | | | | | | | , | | | | | | - |
|------|----|---|-------|-----|-----|---|-------|----|--------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|
| SIZE | Α | В | С | D | Ε | F | G | Н | I | J | K | L | M | N | 0 | P | 0 | R | S | T | U | ٧ | W | X | Y | Z | Areo sq. ft. |
| | 24 | | 1 1/8 | 3/8 | 1/2 | 4 | 2 | 20 | 10 | | | | | | | | | | | | | | | | | | 4.0 |
| 2S | 30 | | 1 3/8 | 1/2 | 5/8 | 5 | 2 1/2 | 25 | 12 1/2 | | | | | | | | | | | | | | | | | | 6.25 |
| 2M | 30 | | 1 3/8 | 1/2 | 5/8 | 5 | 2 1/2 | 25 | 12 1/2 | | | | | | | | | | | | | | | | | | 6.25 |
| 3 | 36 | | 1 1/8 | 5/8 | 3/4 | 6 | 3 | 30 | 15 | | | | | | | | | | | | | | | | | | 9.0 |
| 4 | 48 | | 2 1/4 | ₹4 | 1 | 8 | 4 | 40 | 20 | | | | | | | | | | | | | | | | | | 16.0 |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | |

COUNTY:

STANDARD SIGN W2-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

D

Matthew R Rawh
For State Traffic Engineer

DATE 5/29/12

PLATE NO. W2-1.9

SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W21.DGN

PROJECT NO:

HWY:

PLOT DATE: 29-MAY-2012 10:10

PLOT BY: mscsja

PLOT NAME :

PLOT SCALE: 6.202372:1.000000

- 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.

| A F | G ↑ H → D D D D D D D D D D D D D D D D D D |
|-----|---------------------------------------------|
| | |

| SIZE | Α | В | С | D | E | F | G | Н | I | J | K | L | М | N | 0 | Р | 0 | R | S | T | U | ٧ | ₩ | Х | Y | Z | Areo sq. fi. |
|------|----|---|-------|-----|-----|----|-------|---|--------|----|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|
| 1 | 24 | | 1 1/8 | 3∕8 | 1/2 | 20 | 2 | 4 | 10 | 8 | | | | | | | | | | | | | | | | | 4.0 |
| 25 | 30 | | 1 3/8 | 1/2 | 5/8 | 25 | 2 1/2 | 5 | 12 1/2 | 10 | | | | | | | | | | | | | | | | | 6.25 |
| 2M | 30 | | 1 3/8 | 1/2 | 5/8 | 25 | 2 1/2 | 5 | 12 1/2 | 10 | | | | | | | | | | | | | | | | | 6.25 |
| 3 | 36 | | 1 % | 5/8 | 3/4 | 30 | 3 | 6 | 15 | 12 | | | | | | | | | | | | | | | | | 9.0 |
| 4 | 48 | | 2 1/4 | 3/4 | 1 | 40 | 4 | 8 | 20 | 16 | | | | | | | | | | | | | | | | | 16.0 |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | |

COUNTY:

STANDARD SIGN W2-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew R Rauch For State Traffic Engineer

DATE 5/29/12

PLATE NO. <u>W2-2.6</u>

SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W22.DGN

PROJECT NO:

HWY:

PLOT DATE: 29-MAY-2012 10:18

PLOT BY: mscsja

PLOT NAME :

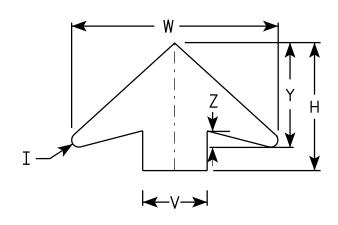
PLOT SCALE: 6.202372:1.000000

- 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. Message Series C for numbers Series E for wording
- 4. Substitute appropriate numerals and optically adjust spacing to achieve proper balance

*Speed Limit Sign shall have a White Background



ARROW DETAIL

| SIZE | Α | В | С | D | E | F | G | Н | I | J | K | L | М | N | 0 | Р | 0 | R | S | T | U | ٧ | W | X | Y | Z | Area sq. ft. |
|------|----|---|-------|-----|-----|--------|-------|--------|-------------------------|----|-------|---|-------|----|-------|-------|-----|-------|-------|-------|----|---|--------|-----|-------|-----|-----------------|
| 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 | 36 | | 1 % | 5/8 | 3/4 | 14 1/2 | 9 1/2 | 11 1/2 | 5/8 | 24 | 2 | 3 | 1 | 12 | 7 1/8 | 1 1/2 | 3∕8 | 5 3/4 | 7 1/4 | 7 1/8 | 9 | 6 | 19 1/4 | 3∕8 | 9 3/4 | 1 % | 9.0 |
| 2M | 36 | | 1 % | 5/8 | 3/4 | 14 1/2 | 9 1/2 | 11 1/2 | 5/8 | 24 | 2 | 3 | 1 | 12 | 7 1/8 | 1 1/2 | 3/8 | 5 ¾ | 7 1/4 | 7 1/8 | 9 | 6 | 19 1/4 | 3/8 | 9 3/4 | 1 % | 9.0 |
| 3 | 36 | | 1 % | 5/8 | 3/4 | 14 1/2 | 9 1/2 | 11 1/2 | 5/8 | 24 | 2 | 3 | 1 | 12 | 7 1/8 | 1 1/2 | 3/8 | 5 3/4 | 7 1/4 | 7 1/8 | 9 | 6 | 19 1/4 | 3/8 | 9 3/4 | 1 % | 9.0 |
| 4 | 48 | | 2 1/4 | 3/4 | 1 | 19 1/4 | 10 ¾ | 17 3/8 | % | 30 | 2 1/4 | 4 | 1 1/4 | 15 | 10 | 1 % | 1/2 | 8 | 9 1/4 | 9 | 12 | 8 | 25 % | 3/8 | 13 | 2 | 16.0 |
| 5 | 48 | | 2 1/4 | 3/4 | 1 | 19 1/4 | 10 ¾ | 17 3/8 | 1 / ₈ | 30 | 2 1/4 | 4 | 1 1/4 | 15 | 10 | 1 5/8 | 1/2 | 8 | 9 1/4 | 9 ¾ | 12 | 8 | 25 % | 3/8 | 13 | 2 | 16.0 |

STANDARD SIGN W3-5

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther R Rauch

DATE 5/29/12 PLATE NO. W3-5.5

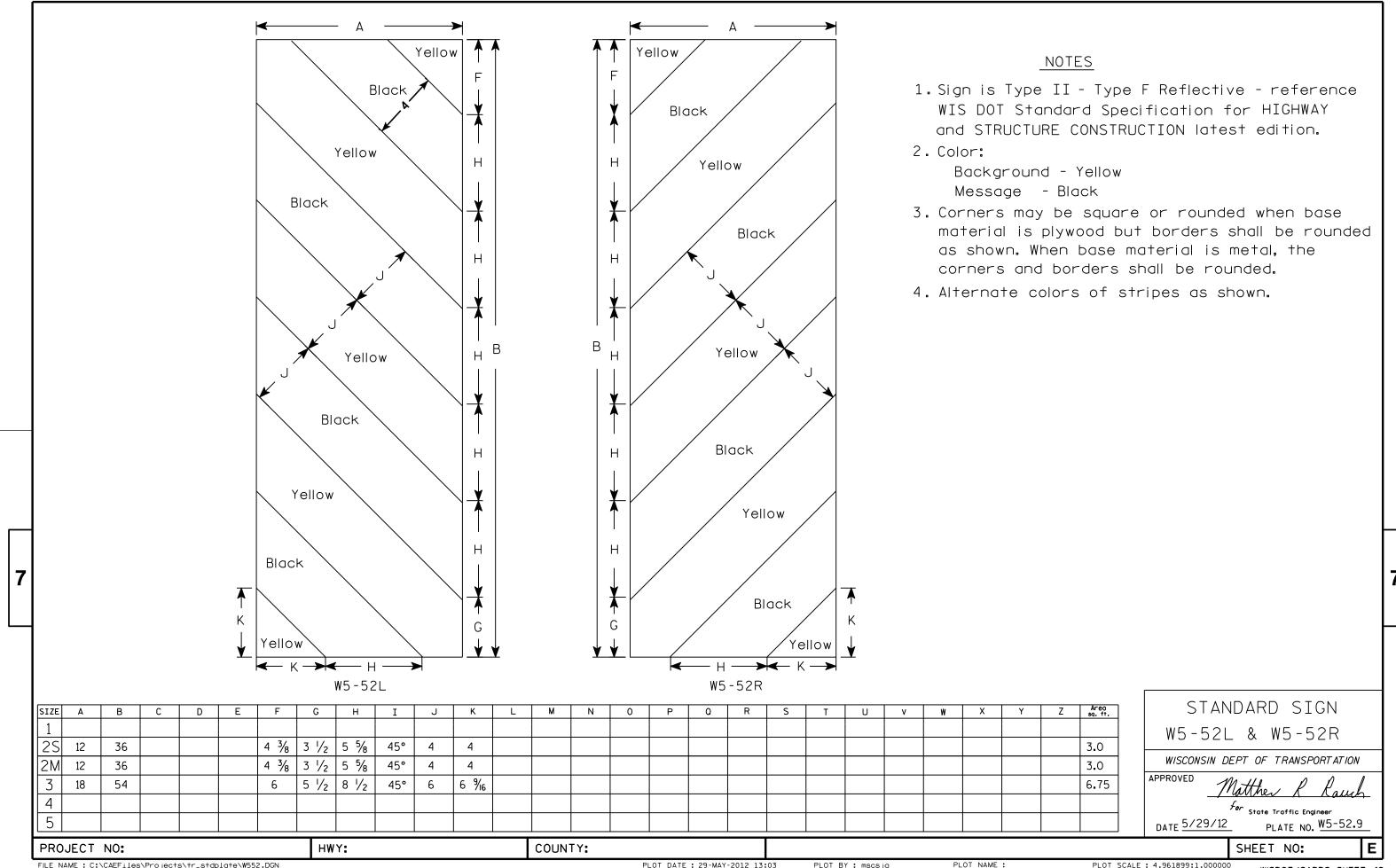
SHEET NO:

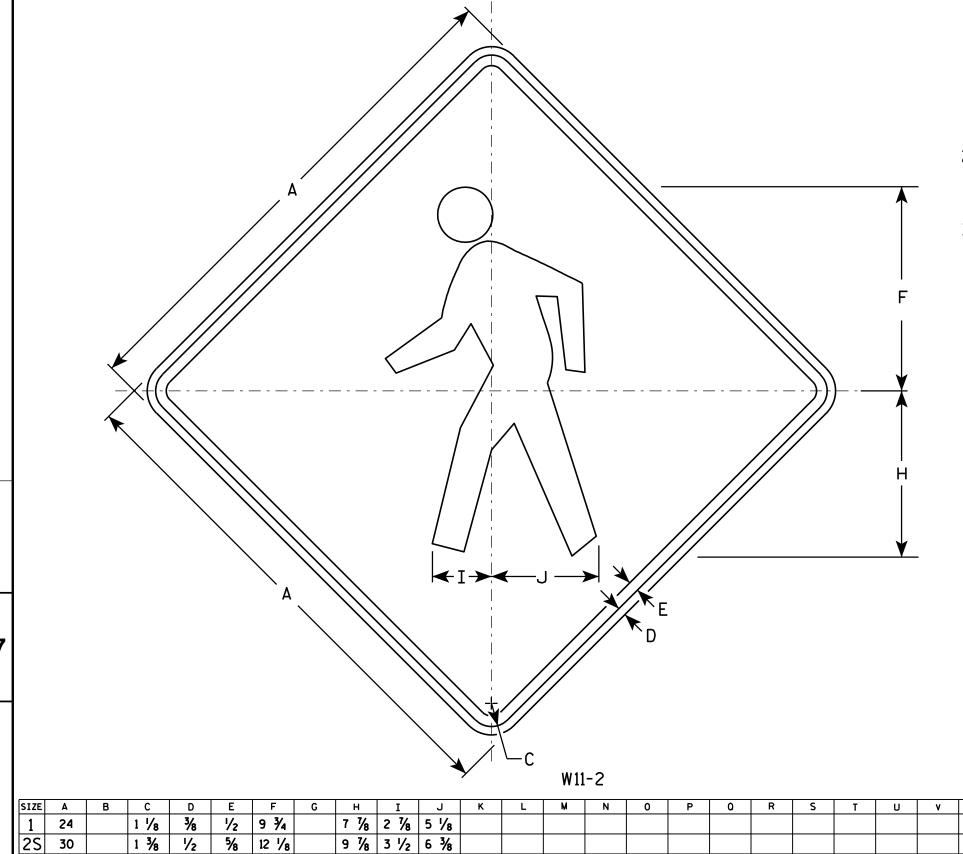
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W35.DGN

PROJECT NO:

PLOT DATE: 29-MAY-2012 10:52

PLOT BY: mscsja





<u>NOTES</u>

- 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.

STANDARD SIGN W11-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

For State Traffic Engineer

DATE 6/7/10

PLATE NO. W11-2.7

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W112.DGN

1 1/8

1 %

2 1/4 3/4

2M

3

4 48

5

PROJECT NO:

5/8

5/8

3/4

14 1/2

3/4 14 1/2

1 19 3/8

11 1/8 4 1/4 7 5/8

11 1/8 4 1/4 7 5/8

15 3/4 5 5/8 10 1/4

HWY:

PLOT DATE: 07-JUN-2010 13:29

COUNTY:

PLOT NAME :

PLOT BY: ditjph

4.0

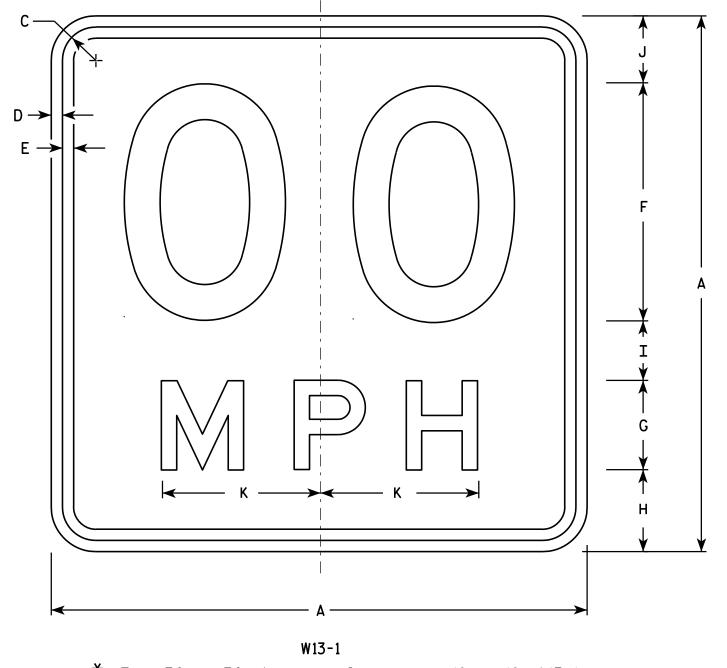
6.25

9.0

9.0

16.0

PLOT SCALE: 5.700818:1.000000



- 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. Message Series See Note 6
- 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 space about centerline to achieve proper balance.
- 6. Line 1 is Series D Line 2 is Series E

* For 30" \times 30" Warning Signs, use 18" \times 18" W13-1 signs. For 36" \times 36" Warning Signs, use 24" \times 24" W13-1 signs.

| SIZE | Α | В | С | D | E | F | G | Н | I | J | K | L | М | N | 0 | Р | 0 | R | S | T | U | ٧ | W | X | Y | Z | Area sq. ft. |
|-------------|----|---|-------|-----|-----|----|---|-------|-------|-------|-------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|
| 1 | 18 | | 1 1/8 | 3/8 | 3/8 | 8 | 3 | 2 3/4 | 2 | 2 1/4 | 5 3/8 | | | | | | | | | | | | | | | | 2.25 |
| * 2S | 18 | | 1 1/8 | 3/8 | 3/8 | 8 | 3 | 2 3/4 | 2 | 2 1/4 | 5 % | | | | | | | | | | | | | | | | 2.25 |
| * 2M | 18 | | 1 1/8 | 3/8 | 3/8 | 8 | 3 | 2 3/4 | 2 | 2 1/4 | 5 3/8 | | | | | | | | | | | | | | | | 2.25 |
| 3 | 24 | | 1 1/8 | 3/8 | 1/2 | 10 | 4 | 4 | 2 3/4 | 3 1/4 | 6 5/8 | | | | | | | | | | | | | | | | 4.00 |
| 4 | 36 | | 1 1/8 | 5/8 | 3/4 | 16 | 6 | 5 1/2 | 4 | 4 1/2 | 10 % | | | | | | | | | | | | | | | | 9.00 |
| 5 | 36 | | 1 % | 5/8 | 3/4 | 16 | 6 | 5 1/2 | 4 | 4 1/2 | 10 % | | | | | | | | | | | | | | | | 9.00 |

STANDARD SIGN W13-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew N

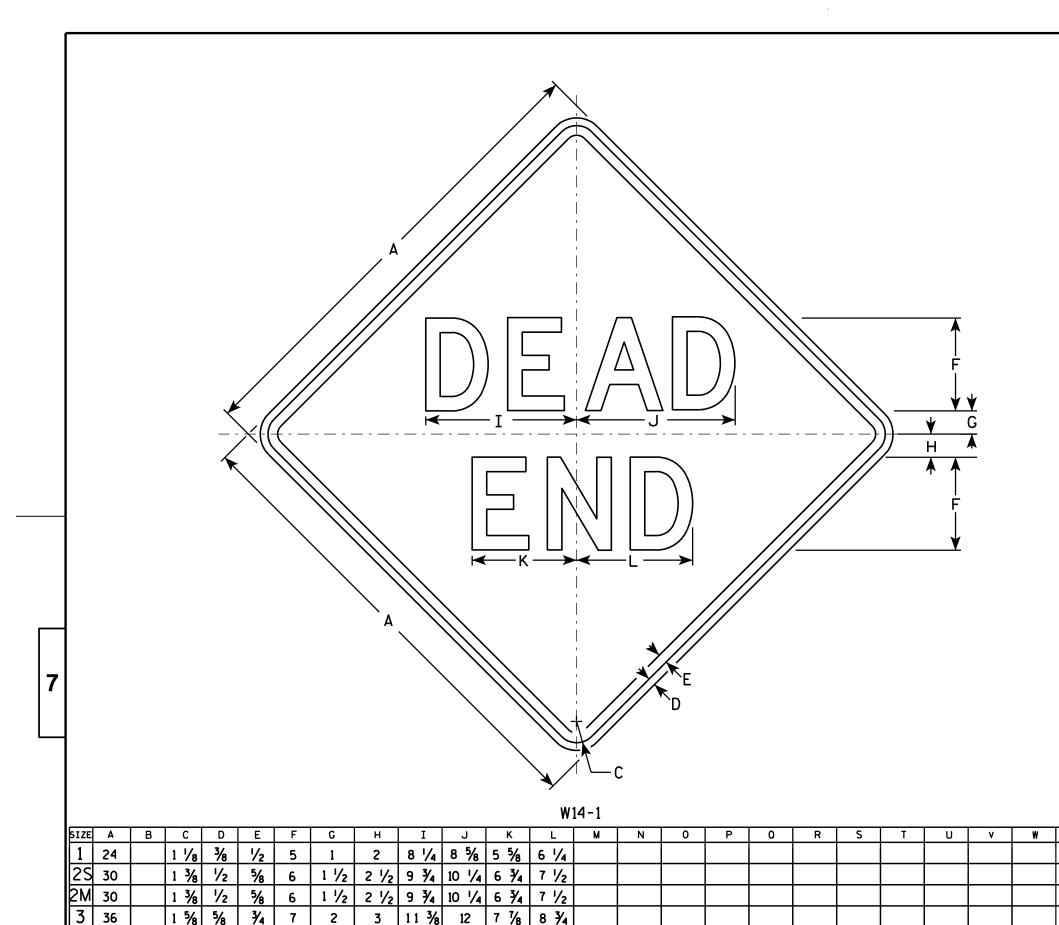
For State Traffic Engineer

DATE 5/31/12 PLATE NO. W13-1.16

SHEET NO:

PLOT BY: mscsja

PLOT NAME :



- 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. Message Series - D

Z

PLOT NAME :

4.0

6.25

6.25

9.0

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.

WISCONSIN DEPT OF TRANSPORTATION

STANDARD SIGN

W14-1

APPROVED

Matther R Rauch

PLATE NO. W14-1.7 DATE 3/13/13

SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W141.DGN

HWY:

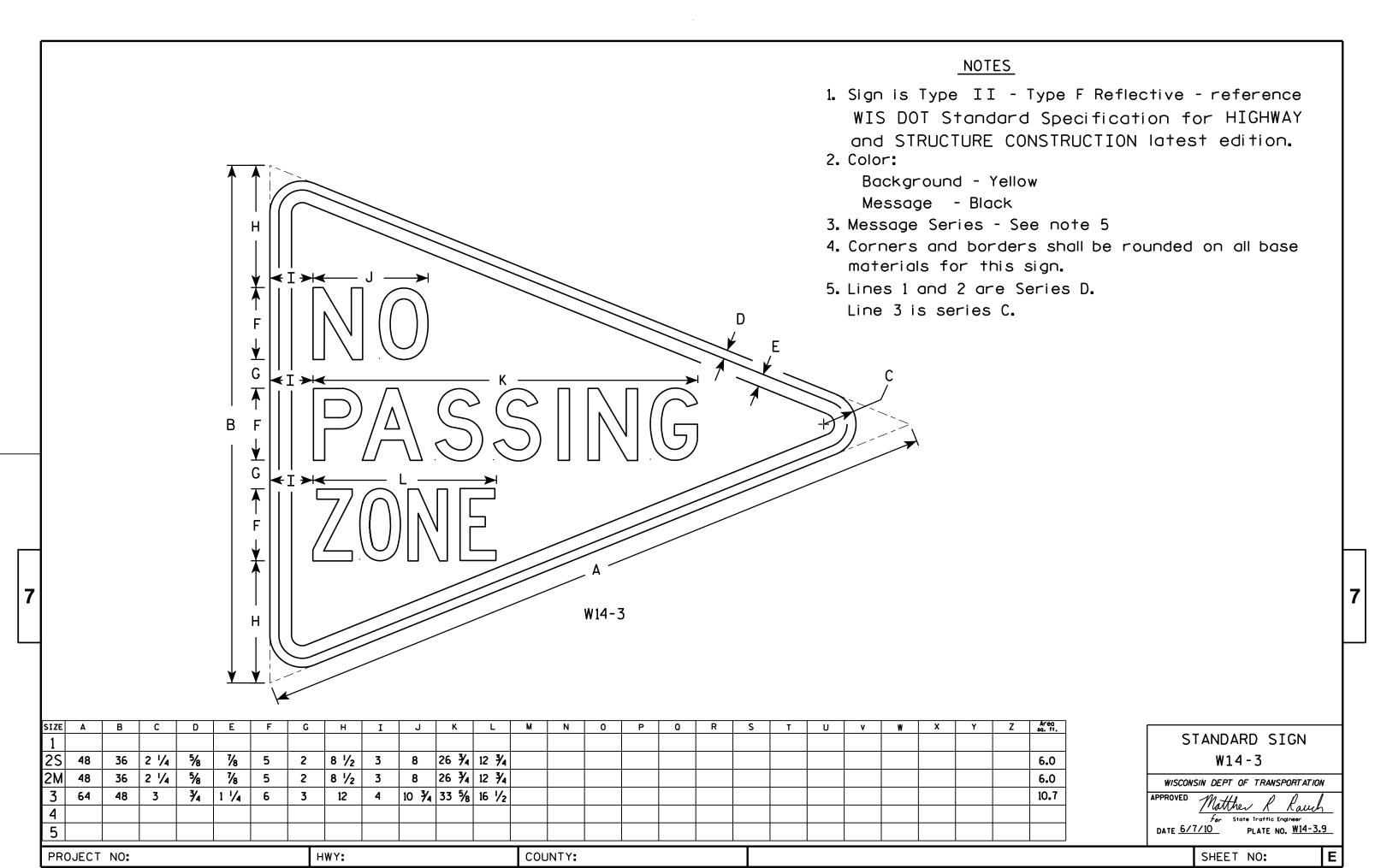
PROJECT NO:

PLOT DATE: 13-MAR-2013 13:30

COUNTY:

PLOT BY: mscj9h

PLOT SCALE: 6.202372:1.000000



FILE NAME : C:\Users\PROJECTS\tr_stdplate\W143.DGN

PLOT DATE: 07-JUN-2010 13:11

PLOT BY : ditjph

PLOT NAME :

PLOT SCALE: 5.710749:1.000000

Notes



Wisconsin Department of Transportation

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