WKE NOV 2015

PROJECT ID: 1330-24-70, 1330-24-71

WITH:

COUNTY: WASHINGTON

12

ORDER OF SHEETS

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

TOTAL SHEETS = 434

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1330-24-70	WISC 2015573	1
1330-24-71		

GRAND AV/BRANCH ST, CITY OF HARTFORD

E MONROE AVE TO SUMNER ST (STH 60)

STH 83

WASHINGTON COUNTY

STATE PROJECT NUMBER

1330-24-70

GRAND AV/BRANCH ST, CITY OF HARTFORD

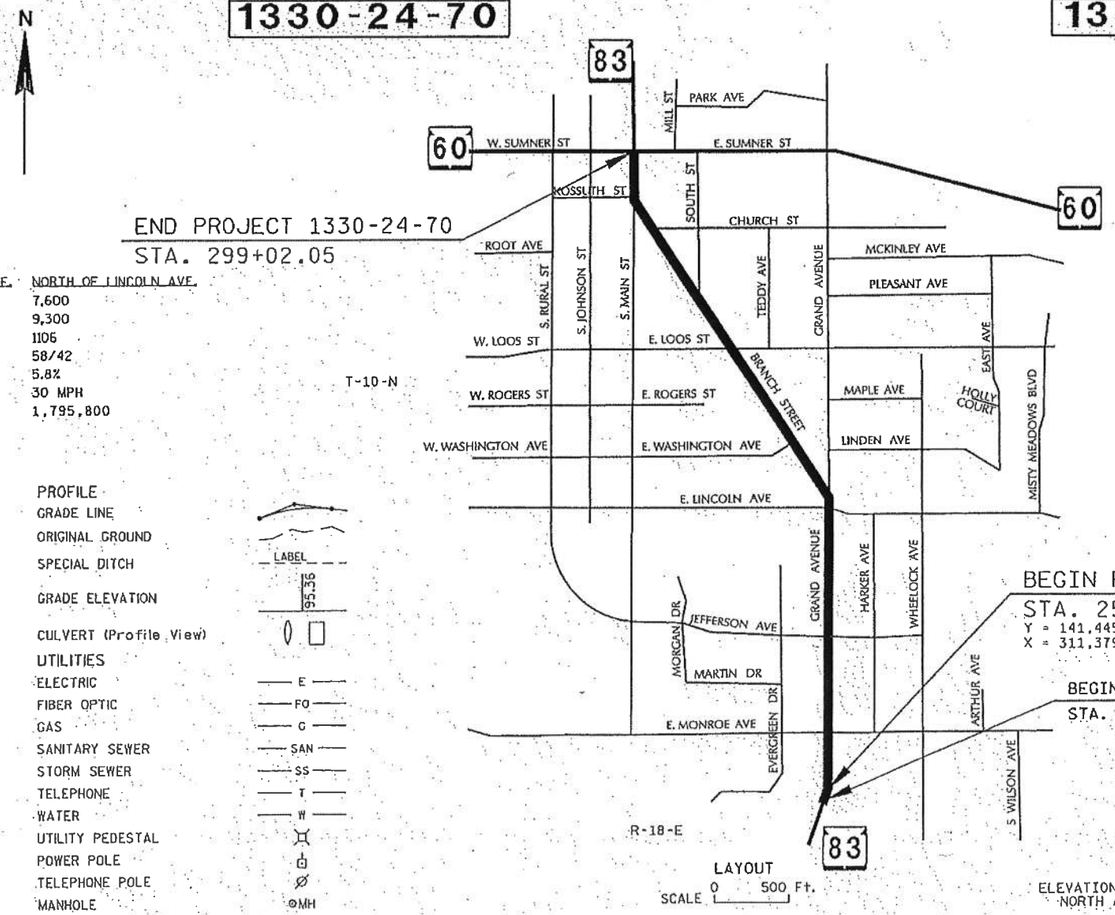
E MONROE AVE TO SUMNER ST (STH 60) - UTILITY IMPROVEMENTS

STH 83

WASHINGTON COUNTY

STATE PROJECT NUMBER

1330-24-71



TOTAL NET LENGTH OF CENTERLINE = 0.893 MI.

ELEVATIONS SHOWN ON THIS PLAN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF NAVD 88 (2007)

COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), WASHINGTON COUNTY, NAD 1983 (2007)

DESIGN DESIGNATION

	SOUTH OF LINCOLN AVE.	NORTH OF LINCOLN AVE.
A.A.D.T. (2016)	= 6,800	7,600
A.A.D.T. (2036)	= 8,300	9,300
D.H.V. (2036)	= 987	1106
D.D.	= 58/42	58/42
T.	= 5.8%	5.8%
DESIGN SPEED	= 35 MPH	30 MPH
ESALS	= 1,591,400	1,795,800

CONVENTIONAL SYMBOLS

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

PROFILE
- GRADE LINE
- ORIGINAL GROUND
- SPECIAL DITCH (LABEL)
- GRADE ELEVATION (995.36)
- CULVERT (Profile View)

UTILITIES
- ELECTRIC (E)
- FIBER OPTIC (FO)
- GAS (G)
- SANITARY SEWER (SAN)
- STORM SEWER (SS)
- TELEPHONE (T)
- WATER (W)
- UTILITY PEDESTAL
- POWER POLE
- TELEPHONE POLE
- MANHOLE (MH)
- HYDRANT
- LIGHT POLE
- LIGHT POLE WITH ARM
- VALVE (TYPE)

ACCEPTED FOR CITY OF HARTFORD

7-23-15 (Date) Jason M Shell (Signature & Title) City Engineer

ORIGINAL PLANS PREPARED BY

DAAR ENGINEERING, INC.

Professional Engineer Stamp: WISCONSIN — TAMMY S. TUCKER E-40780 WAUKESHA, WI — PROFESSIONAL ENGINEER

7/24/2015 (Date) Tammy S Tucker (Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	EMCS, Inc.
Designer	DAAR Engineering, Inc.
Project Manager	Douglas Cain
Regional Examiner	
Regional Supervisor	Benedict Eruchalu
C.O. Examiner	

APPROVED FOR THE DEPARTMENT

DATE 7-22-15 Douglas Cain (Signature)

E

GENERAL NOTES

UNLESS NOTED ON THE PLAN, ALL STATIONS AND OFFSETS ARE REFERENCED FROM RL STH 83.

CURVE DATA SHOWN ON THE PLAN IS "ARC DEFINITION".

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

DIMENSIONS GIVEN FOR EXISTING FEATURES SHALL BE CONSIDERED AS APPROXIMATE AND SHOULD BE MEASURED IN FIELD FOR MATCHING PURPOSE.

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

SEED, FERTILIZE, AND EROSION MAT ALL SALVAGED TOPSOIL AREAS WITHIN 5 DAYS AFTER PLACEMENT.

THE CONTRACTOR SHALL NOTIFY DIGGERS HOTLINE AND AFFECTED UTILITIES PRIOR TO THE START OF WORK. ANY LOCAL MUNICIPALITY OR PUBLIC AGENCY WHICH IS NOT A MEMBER OF DIGGERS HOTLINE MUST BE CONTACTED SEPARATELY.

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

TRAFFIC CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. NO WORK MAY BEGIN UNTIL PROPER TRAFFIC CONTROL DEVICES ARE PLACED AND APPROVED BY THE ENGINEER.

EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE START OF CONSTRUCTION AND SHALL BE MAINTAINED UNTIL SUCH TIME AS THE ENGINEER DEEMS THE MEASURE NO LONGER NECESSARY.

CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE CITY OF HARTFORD TO REMOVE MUNICIPALITY STREET SIGNS BEFORE CONSTRUCTION STARTS AND THEN AGAIN AFTER CONSTRUCTION IS COMPLETE FOR REPLACEMENT OF SIGNS. SEE THE CITY OF HARTFORD CONTACT INFORMATION LISTED UNDER OTHER CONTACTS.

PLACE 4" BASE AGGREGATE DENSE ¾-INCH UNDER ALL CONCRETE SIDEWALK MEDIANS AND PEDESTRIAN CURB RAMPS WITHIN PORKCHOP ISLANDS.

CURB AND GUTTER GRADES ARE GIVEN TO THE FLANGE; CURB AND GUTTER RADII ARE MEASURED TO THE FLANGE.

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

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

PAVEMENT LOCATION	TOTAL PAVEMENT THICKNESS	LAYERS	NOMINAL MIXIMUM SIZE GRADATION	ASPHALTIC MATERIAL
E. MONROE AVE. (WEST OF STH 83) AND LINCOLN AVE.	4"	HMA PAVEMENT TYPE E-0.3 1 ¾" UPPER	12.5 MM	PG58-28
		HMA PAVEMENT TYPE E-0.3 2 ¼" LOWER	19.0 MM	PG58-28
E. MONROE AVE. (EAST OF STH 83)	5"	HMA PAVEMENT TYPE E-0.3 1 ¾" UPPER	12.5 MM	PG58-28
		HMA PAVEMENT TYPE E-0.3 3 ¼" LOWER	19.0 MM	PG58-28

ORDER OF DETAIL SHEETS

PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
PAVING DETAILS
EROSION CONTROL PLAN
STORM SEWER PLAN
SANITARY SEWER REPLACEMENT
WATER MAIN REPLACEMENT
PERMANENT SIGNING AND PAVEMENT MARKING
DECORATIVE LIGHTING
TRAFFIC SIGNAL PLAN
TRAFFIC CONTROL/STAGING
DETOUR PLAN
ALIGNMENT PLAN

DESIGNED BY OTHERS

WATER/SANITARY PLANS: CITY OF HARTFORD/DAAR
DECORATIVE LIGHTING: KL ENGINEERING
TRAFFIC SIGNAL PLANS: KL ENGINEERING
R/W PLAT: EMCS, INC.

UTILITY CONTACTS

AT&T WISCONSIN
ALPER KOLCU
2005 PEWAUKEE RD
WAUKESHA WI 53188
PHONE 262-970-8494
ak308x@att.com

WINDSTREAM (PAETEC)
JIM KOSTUCH
13935 BISHOPS DRIVE
BROOKFIELD, WI 53005
PHONE 262-792-7938
James.kostuch@windstream.com

CHARTER COMMUNICATIONS
RON FRASE
N3760 CTH DJ
JUNEAU, WI 53039
CELL 608-438-9648
ronald.frase@charter.com

CITY OF HARTFORD STORM SEWER
JASON SCHALL
109 N. MAIN ST.
HARTFORD, WI 53027
PHONE 262-673-8263
jschall@ci.hartford.wi.us

CITY OF HARTFORD SANITARY SEWER
DAVE PIQUETT
109 N. MAIN ST.
HARTFORD, WI 53027
PHONE 262-673-2423
dpiquett@ci.hartford.wi.us

CITY OF HARTFORD WATER & ELECTRIC
BRIAN RHODES
620 WEST SUMNER STREET
HARTFORD, WI 53027
PHONE 262-673-2710
brhodes@wppienergy.org

WE ENERGIES (GAS)
PAUL OSMANSKI
500 S 116TH STREET
WEST ALLIS, WI 53214
PHONE 414-944-5796
CELL 414-315-1278
paul.osmanski@we-energies.com

WE ENERGIES (ELECTRIC)
AL SCHMITT
245 SAND DR
WEST BEND, WI 53095
PHONE 262-338-7662
alan.schmitt@we-energies.com

WISDOT SIGNAL OPERATIONS
141 NW BARSTOW ST
WAUKESHA, WI 53187-0798
PHONE 414-750-2605

WISDOT ELECTRIC FIELD UNIT
935 S. 60TH ST.
WEST ALLIS, WI 53214
PHONE 414-266-1170

OTHER CONTACTS

WISDOT SE REGION
DOUGLAS CAIN, PROJECT MANAGER
141 NW BARSTOW
PO BOX 798
WAUKESHA, WI 53187-0798
PHONE 262-548-5603
douglas.cain@dot.wi.gov

DAAR ENGINEERING, INC
TAMMY TUCKER
40 JEWELERS PARK DRIVE, SUITE 120
NEENAH, WI 54956
OFFICE 920-722-1211
FAX 920-722-1172
tammy.tucker@daarcorp.com

CITY OF HARTFORD

CITY OF HARTFORD
LORI HETZEL, CITY CLERK
109 N. MAIN STREET
HARTFORD, WI 53027
PHONE 262-673-8261
lorihetzel@ci.hartford.wi.us

WDNR CONTACT

WISCONSIN DNR
SOUTHEAST REGION HEADQUARTERS
KRISTINA BETZOLD
2300 N. DR. MARTIN LUTHER KING, JR. DR.
MILWAUKEE, WI 53212-0436
OFFICE 414-263-8517
CELL 414-507-4946
Kristina.betzold@wisconsin.gov

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

2

BEGIN CONSTRUCTION
250+58.00

STA. 255+97.16, STH 83
STA. 50+00.00, E MONROE AVE W

℄ E MONROE AVE

E MONROE AVE

JEFFERSON AVE

STH 83 (GRAND AVE)

℄ STH 83

MATCHLINE 265+50

BEGIN PROJECT 1330-24-70
STA 251+85.00
Y = 141,445.33
X = 311,379.24

STA. 256+02.04, STH 83
STA. 50+00.00, E MONROE AVE E

℄ E MONROE AVE

E MONROE AVE

JEFFERSON AVE

N

MATCHLINE 275+00

STA. 271+25.80, STH83
STA. 50+00.00, E LINCOLN AVE

E LINCOLN AVE

STH 83 (BRANCH ST)

MATCHLINE 265+50

STH 83 (GRAND AVE)

GRAND AVE

℄ STH 83

STA. 270+91.36, STH83
STA. 10+00.00, GRAND AVE

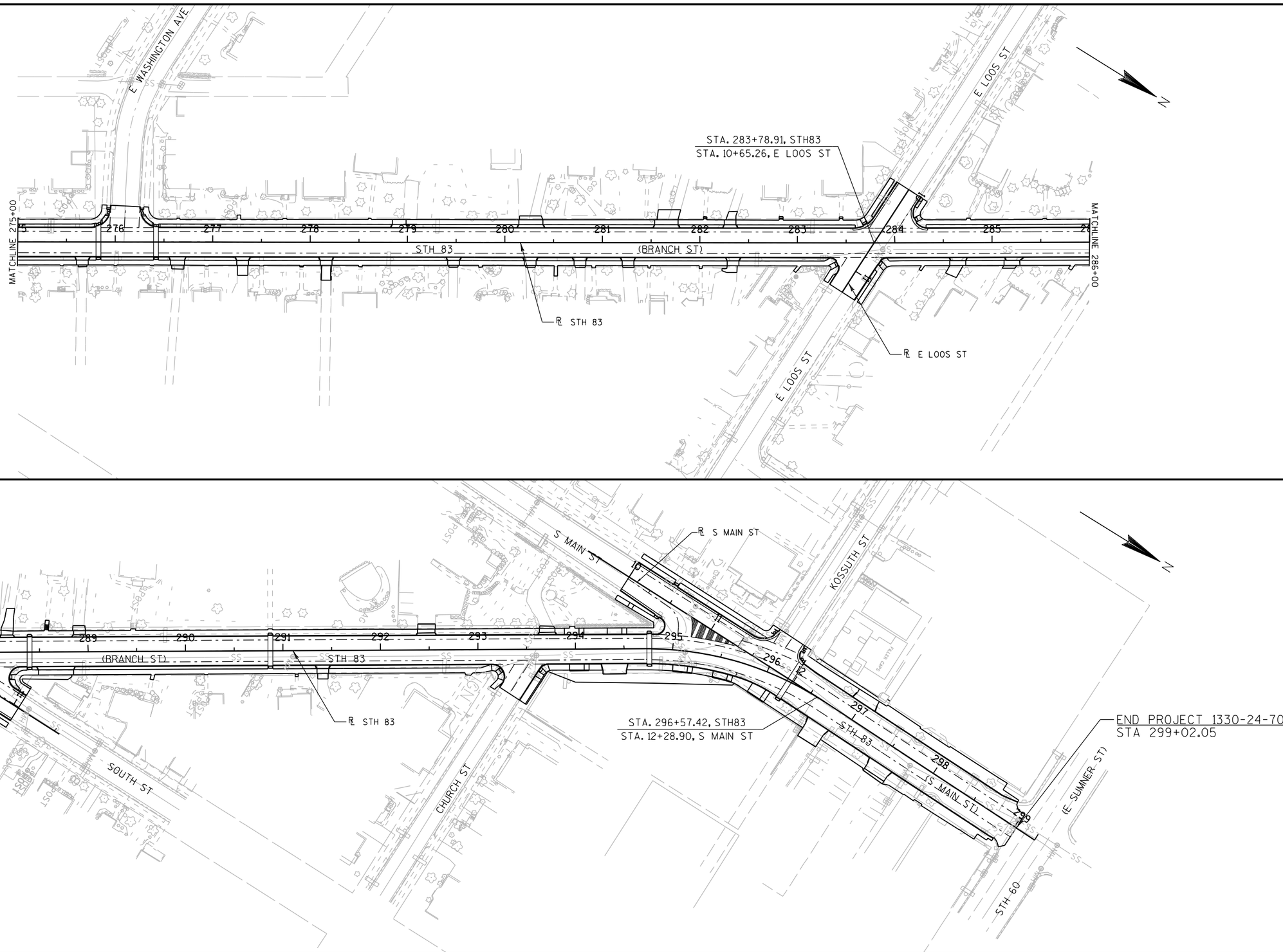
E LINCOLN AVE

℄ GRAND AVE

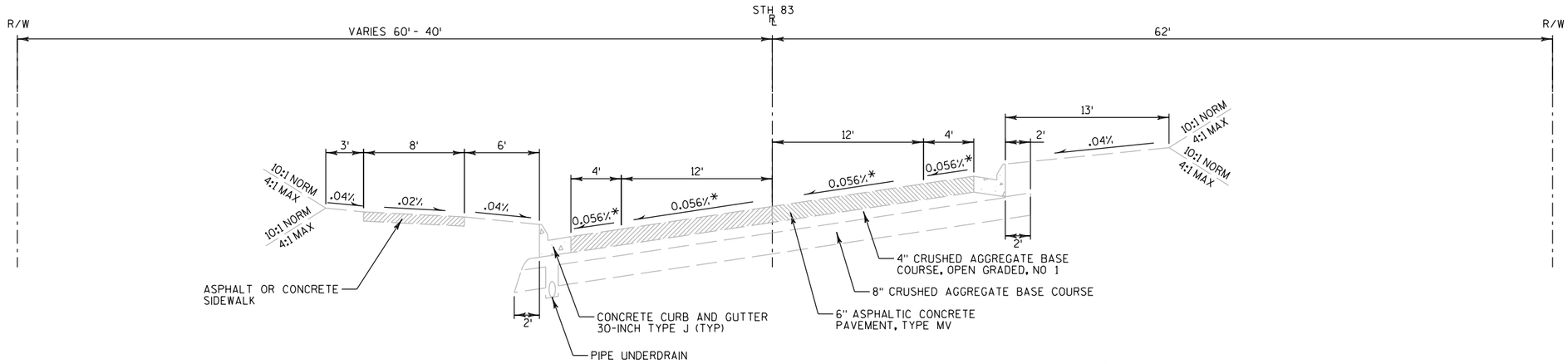
℄ E LINCOLN AVE

PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	PROJECT OVERVIEW	SHEET 3	E

2

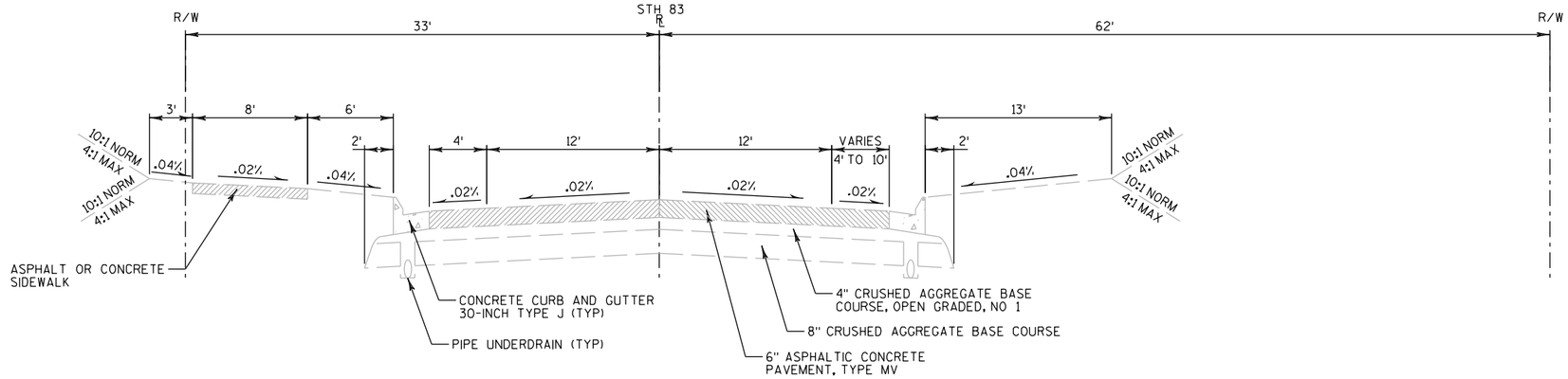


PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	PROJECT OVERVIEW	SHEET 4	E

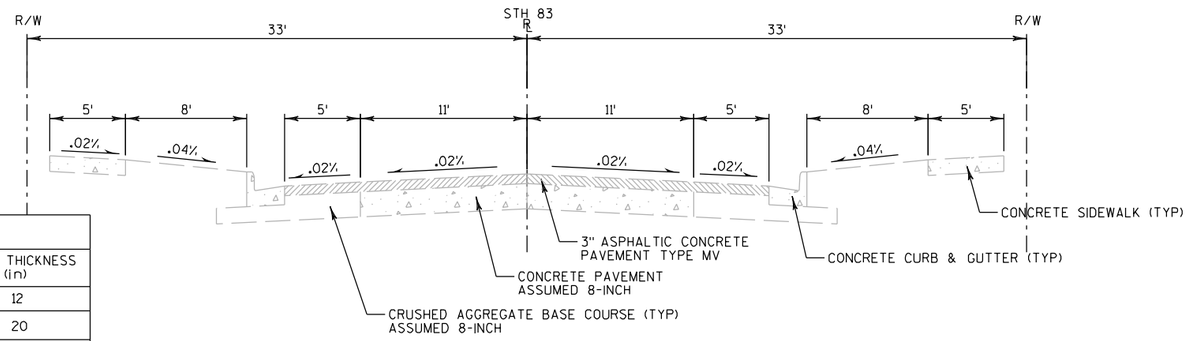


*MAX SUPER ELEVATION SHOWN. TRANSITIONS TO 0.02⅛

TYPICAL EXISTING SECTION
STA 251+85 TO STA 254+12



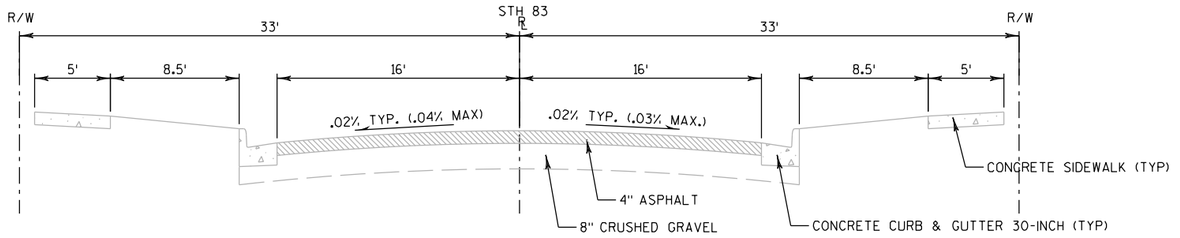
TYPICAL EXISTING SECTION
STA 254+12 TO STA 256+00



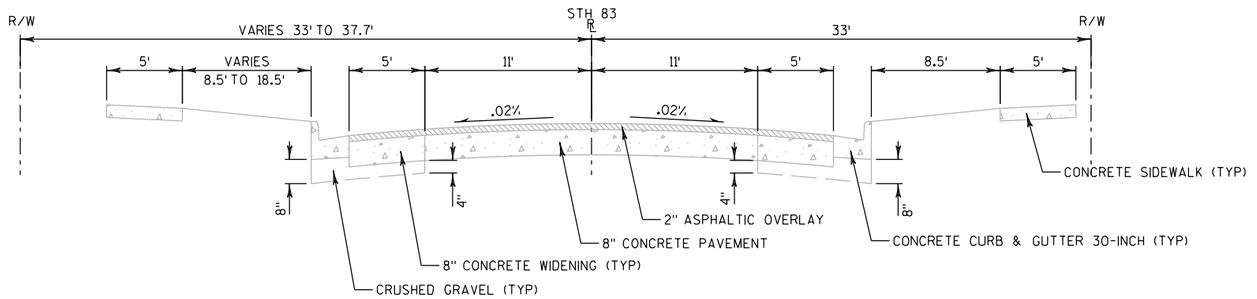
TYPICAL EXISTING SECTION
STA 256+00 TO STA 262+42

NOTE:
DEPTHS SHOWN ON TYPICAL SECTIONS ARE FROM AVAILABLE AS-BUILT PLANS. BORING LOG DEPTHS ARE BASED ON FIELD MEASUREMENTS TAKEN AT THE LOCATIONS PROVIDED BELOW.

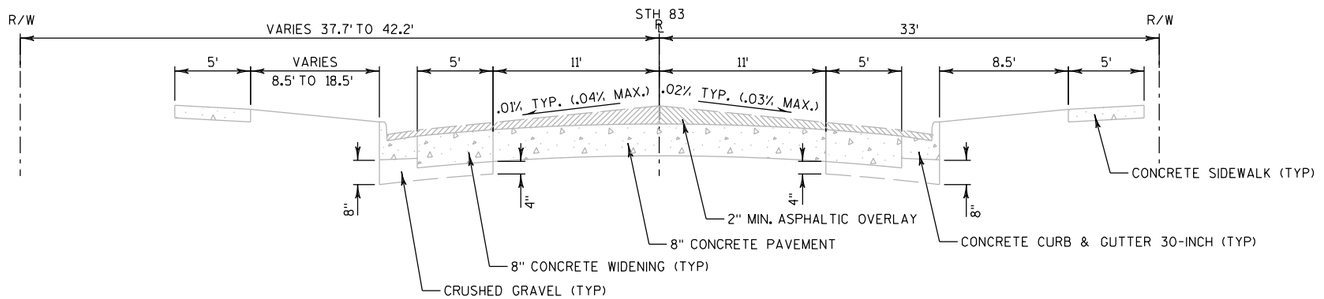
STH 83 EXISTING PAVEMENT BORING LOG					
BORING	APPROXIMATE LOCATION	ASPHALTIC CONCRETE (in)	CONCRETE (in)	AGGREGATE BASE (in)	TOTAL THICKNESS (in)
B-1	NB 253+29 13.29RT	6	0	6	12
B-3	SB 257+47 10.46LT	6	8	6	20
B-4	NB 260+83 6.67RT	7	7	5	19



TYPICAL EXISTING SECTION
STA 262+42 TO STA 269+50



TYPICAL EXISTING SECTION
STA 269+50 TO STA 270+10

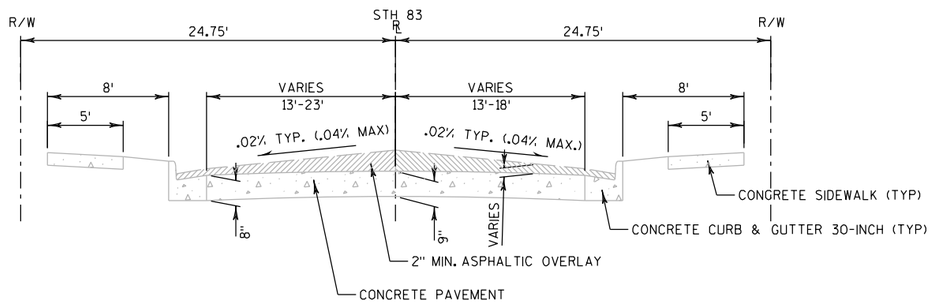


TYPICAL EXISTING SECTION
STA 270+10 TO STA 271+50

NOTE:
DEPTHS SHOWN ON TYPICAL SECTIONS ARE FROM AVAILABLE AS-BUILT PLANS. BORING LOG DEPTHS ARE BASED ON FIELD MEASUREMENTS TAKEN AT THE LOCATIONS PROVIDED BELOW.

STH 83 EXISTING PAVEMENT BORING LOG

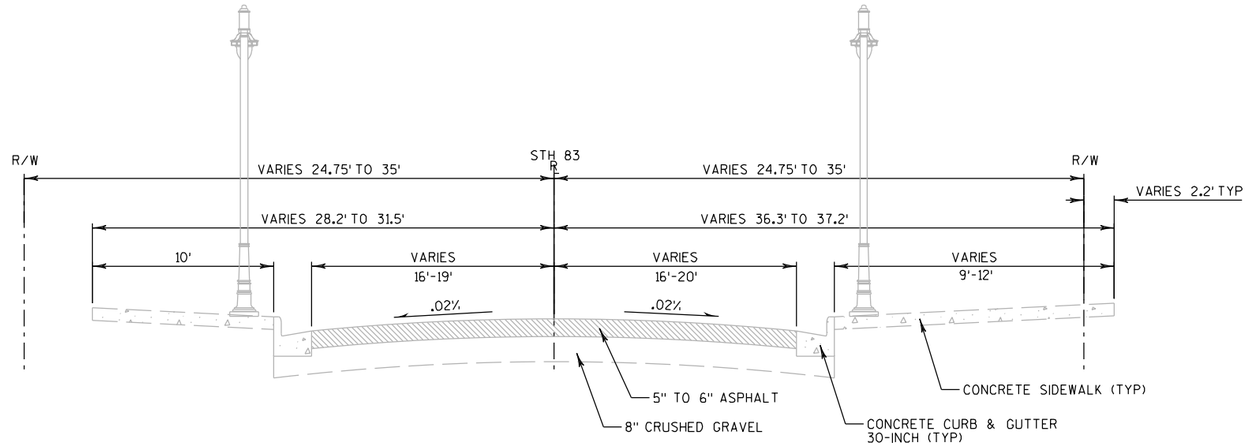
BORING	APPROXIMATE LOCATION	ASPHALTIC CONCRETE (In)	CONCRETE (In)	AGGREGATE BASE (In)	TOTAL THICKNESS (In)
B-5	SB 265+88 8.31LT	8	0	5	13
B-6	EB 270+72 93.86RT	6	0	6	12
B-7	NB 274+74 5.56RT	2	6	4	12
B-8	SB 280+67 5.65LT	2	6	4	12
B-9	SB 285+13 11.16LT	4	6	4	14
B-10	NB 289+65 5.53RT	10	0	7	17
B-11	SB 294+52 12.82LT	2	6	6	14



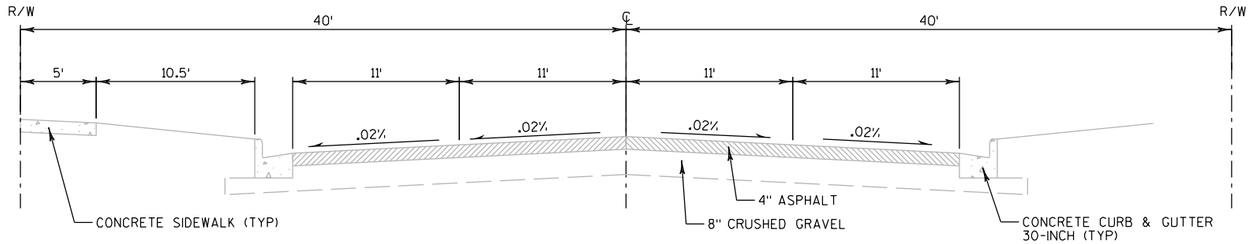
TYPICAL EXISTING SECTION
STA 271+50 TO STA 296+38

PROJECT NO:1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	TYPICAL SECTIONS	SHEET 6	E

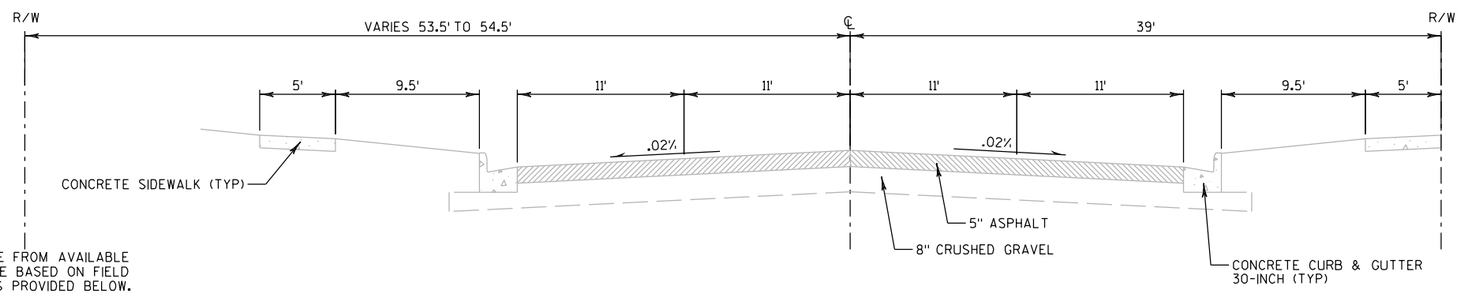
2



TYPICAL EXISTING SECTION
STA 296+38 TO STA 298+89



TYPICAL EXISTING SECTION
E MONROE AVE WEST OF STH 83



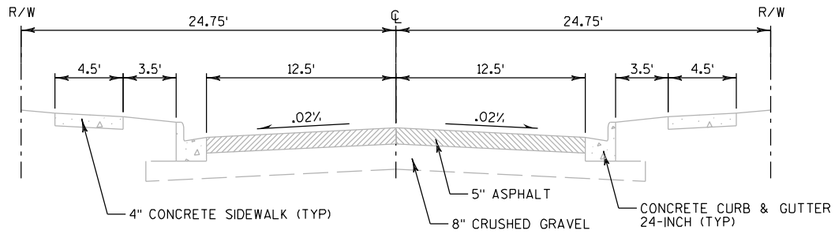
TYPICAL EXISTING SECTION
E MONROE AVE EAST OF STH 83

NOTE:
DEPTHS SHOWN ON TYPICAL SECTIONS ARE FROM AVAILABLE AS-BUILT PLANS. BORING LOG DEPTHS ARE BASED ON FIELD MEASUREMENTS TAKEN AT THE LOCATIONS PROVIDED BELOW.

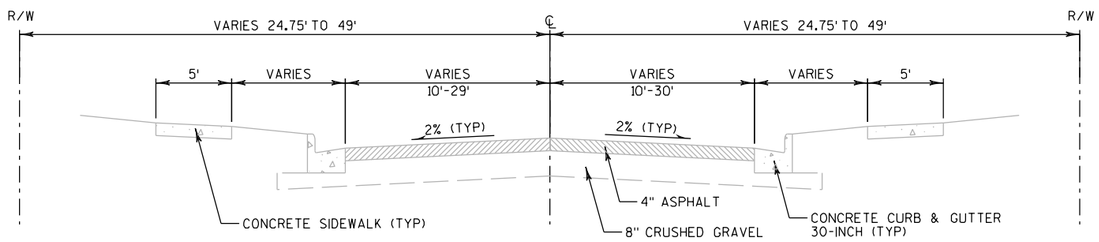
STH 83 EXISTING PAVEMENT BORING LOG

BORING	APPROXIMATE LOCATION	ASPHALTIC CONCRETE (in)	CONCRETE (in)	AGGREGATE BASE (in)	TOTAL THICKNESS (in)
B-12	NB 297+97 19.88RT	2	6	6	14
B-2	EB 48+36 16.80'RT	6	0	4	10

PROJECT NO:1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	TYPICAL SECTIONS	SHEET 7	E



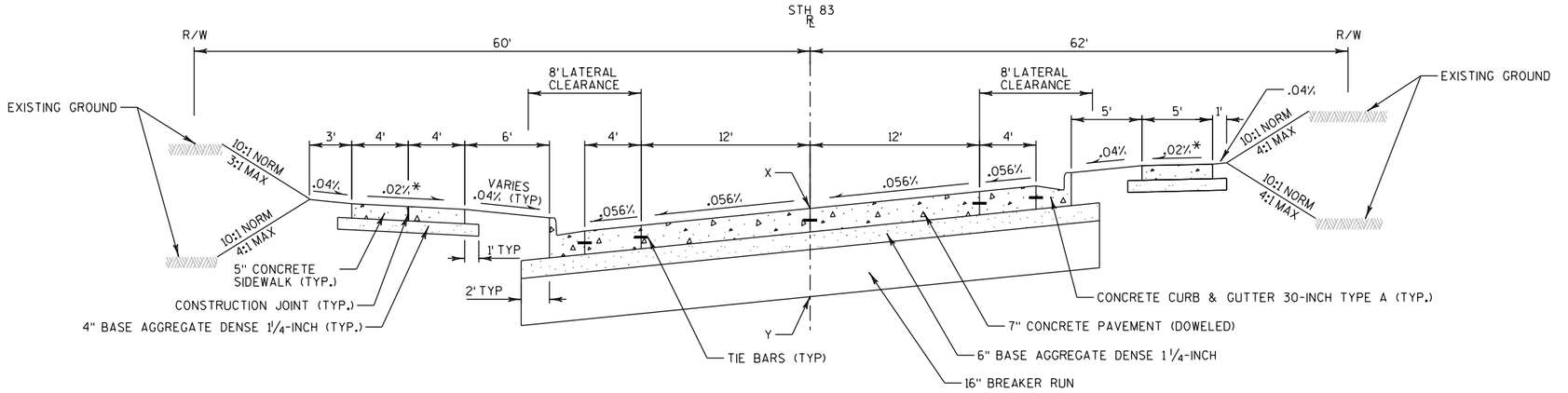
TYPICAL EXISTING SECTION
E LOOS ST WEST OF STH 83



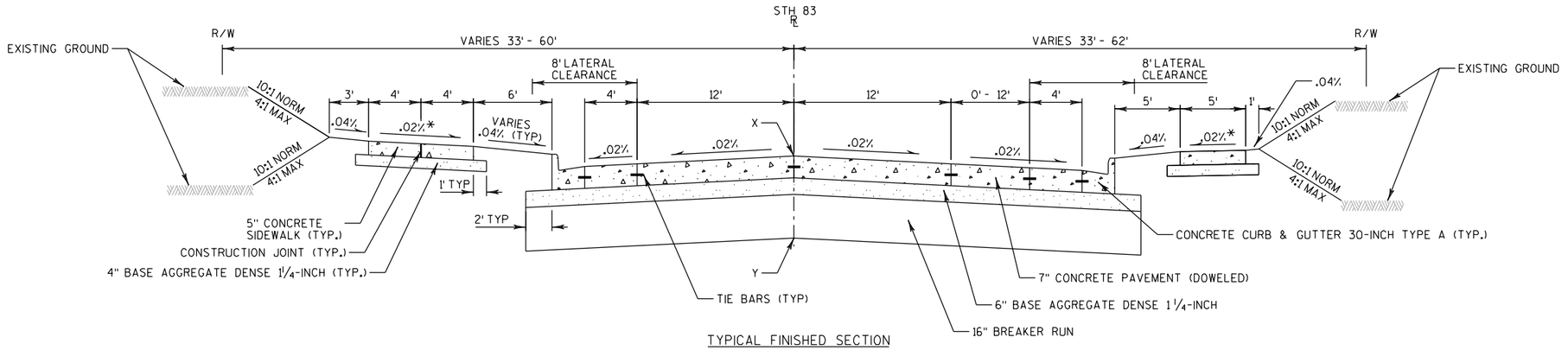
TYPICAL EXISTING SECTION
JEFFERSON AVE
E LINCOLN AVE
GRAND AVE, NORTH OF STH 83
WASHINGTON AVE
E LOOS ST, EAST OF STH 83
SOUTH ST
CHURCH ST
S MAIN ST, SOUTH OF STH 83
KOSSUTH ST

NOTE:
DEPTHS SHOWN ON TYPICAL SECTIONS ARE FROM AVAILABLE AS-BUILT PLANS.

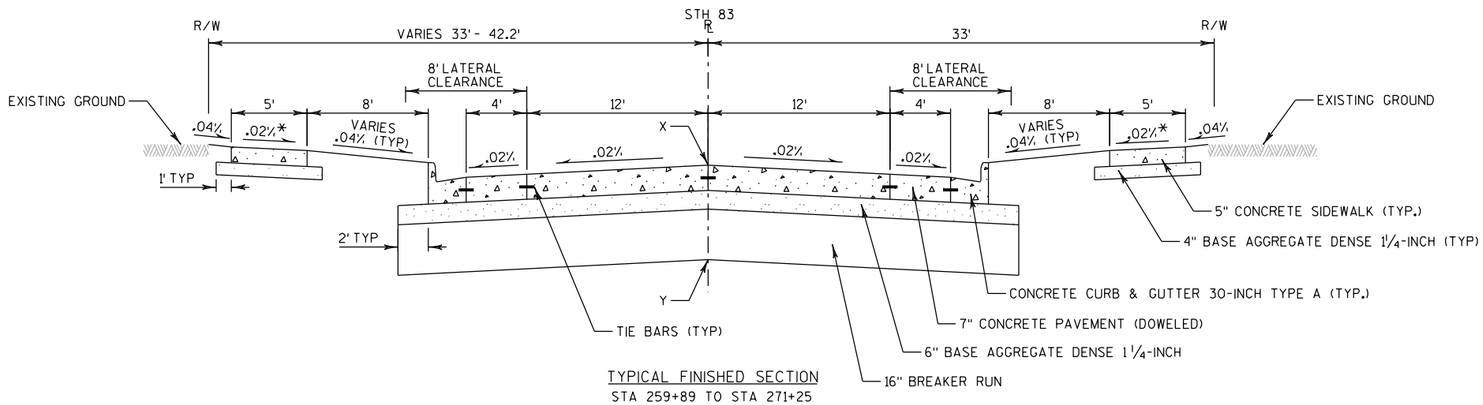
PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	TYPICAL SECTIONS	SHEET 8	E



TYPICAL FINISHED SECTION
STA 251+85 TO STA 252+50



TYPICAL FINISHED SECTION
STA 252+50 TO STA 259+89



TYPICAL FINISHED SECTION
STA 259+89 TO STA 271+25

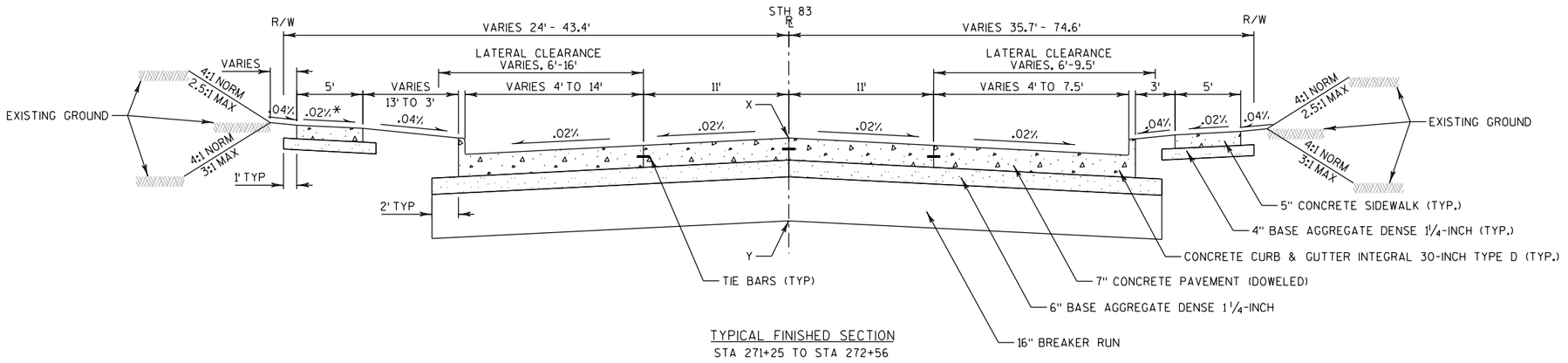
X-POINT REFERRED TO ON PROFILE

Y-POINT REFERED TO ON CROSS SECTIONS

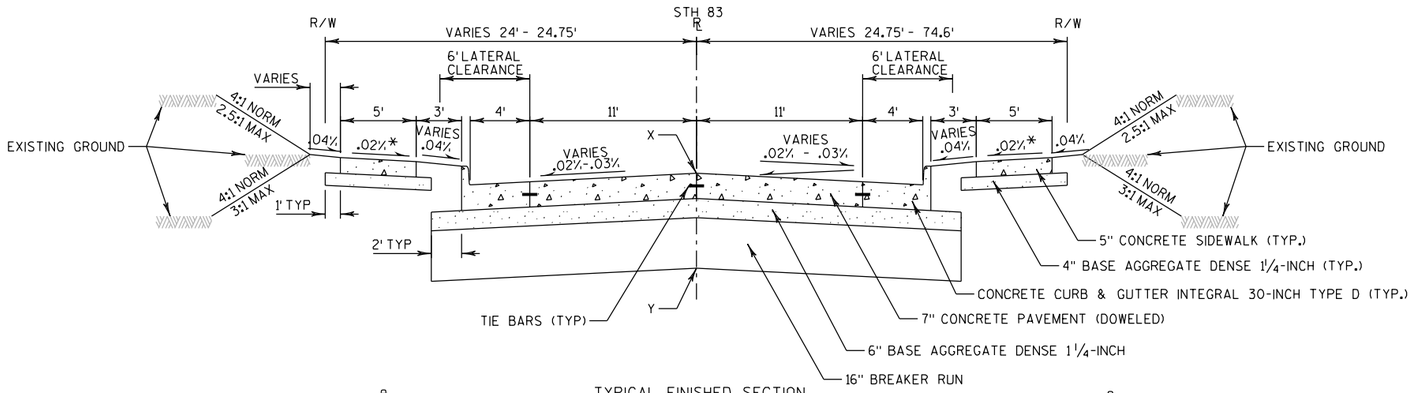
*ADA COMPLIANCE REQUIRES A CROSS SLOPE BETWEEN .01 & .02 FT/FT

NOTE: 1-INCH DOWEL BARS REQUIRED FOR 7" CONCRETE PAVEMENT.

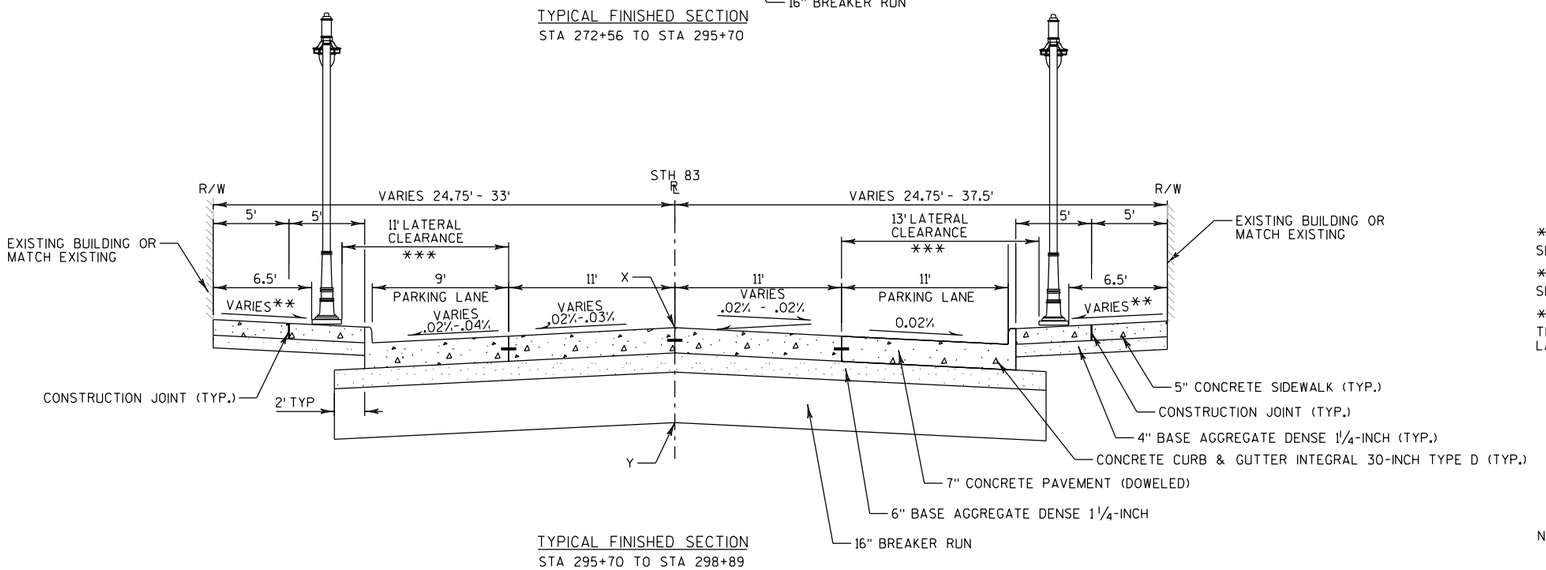
PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	TYPICAL SECTIONS	SHEET 9	E



TYPICAL FINISHED SECTION
STA 271+25 TO STA 272+56



TYPICAL FINISHED SECTION
STA 272+56 TO STA 295+70



TYPICAL FINISHED SECTION
STA 295+70 TO STA 298+89

*ADA COMPLIANCE REQUIRES A CROSS SLOPE BETWEEN .01 & .02 FT/FT

**SEE PAVING DETAILS FOR SIDEWALK SLOPE INFORMATION

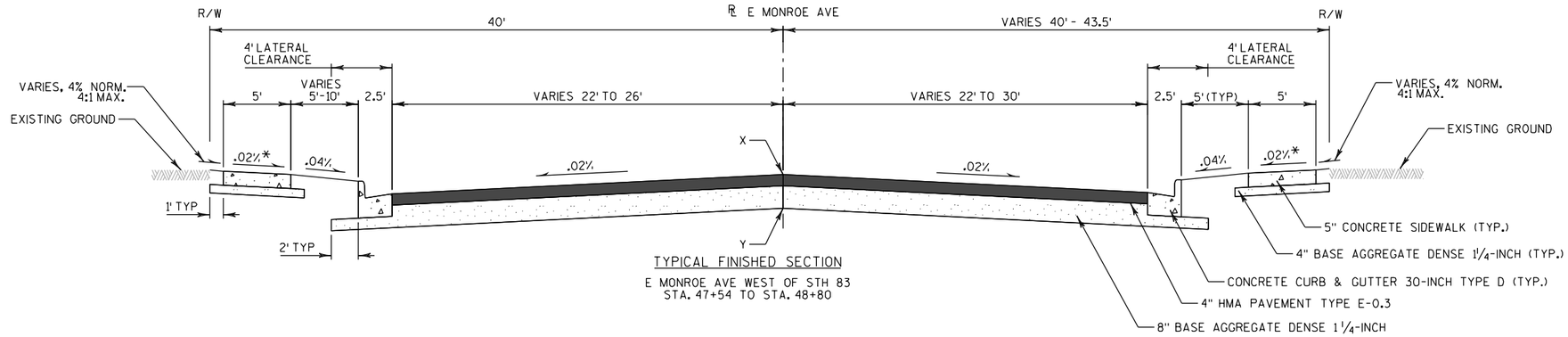
***PLACE BENCHES AND TRASH CANS OUTSIDE OF LATERAL CLEARANCE

X-POINT REFERRED TO ON PROFILE

Y-POINT REFERED TO ON CROSS SECTIONS

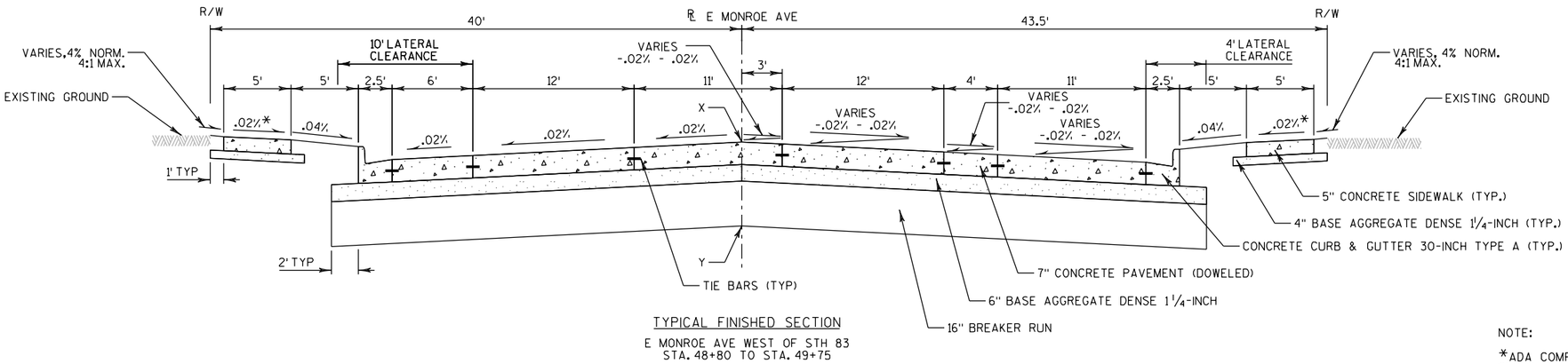
NOTE: 1-INCH DOWEL BARS REQUIRED FOR 7" CONCRETE PAVEMENT.

PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	TYPICAL SECTIONS	SHEET 10	E



TYPICAL FINISHED SECTION

E MONROE AVE WEST OF STH 83
STA. 47+54 TO STA. 48+80



TYPICAL FINISHED SECTION

E MONROE AVE WEST OF STH 83
STA. 48+80 TO STA. 49+75

X-POINT REFERRED TO ON PROFILE

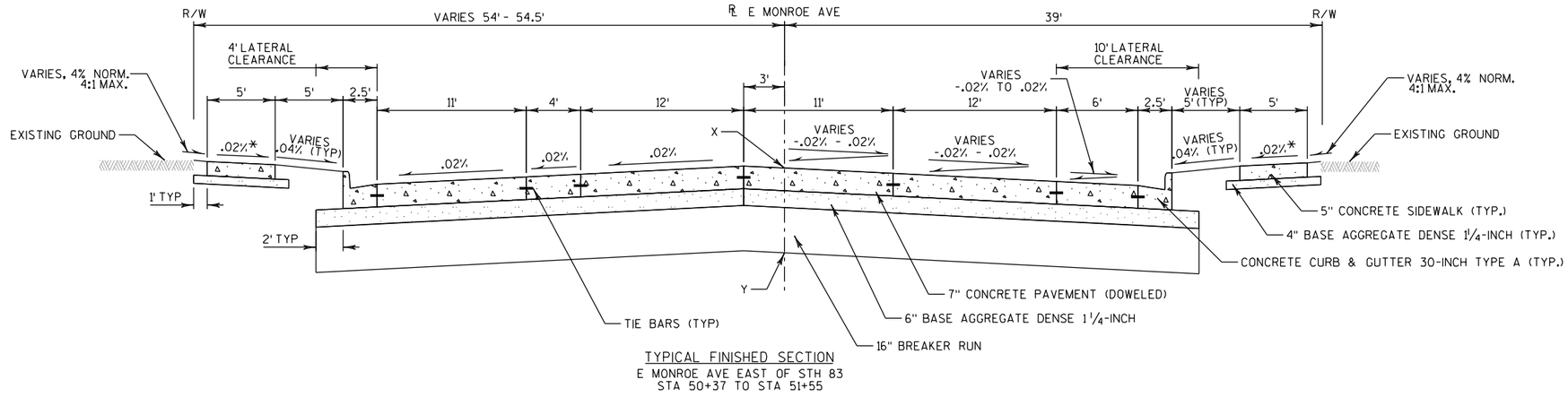
Y-POINT REFERED TO ON CROSS SECTIONS

NOTE:

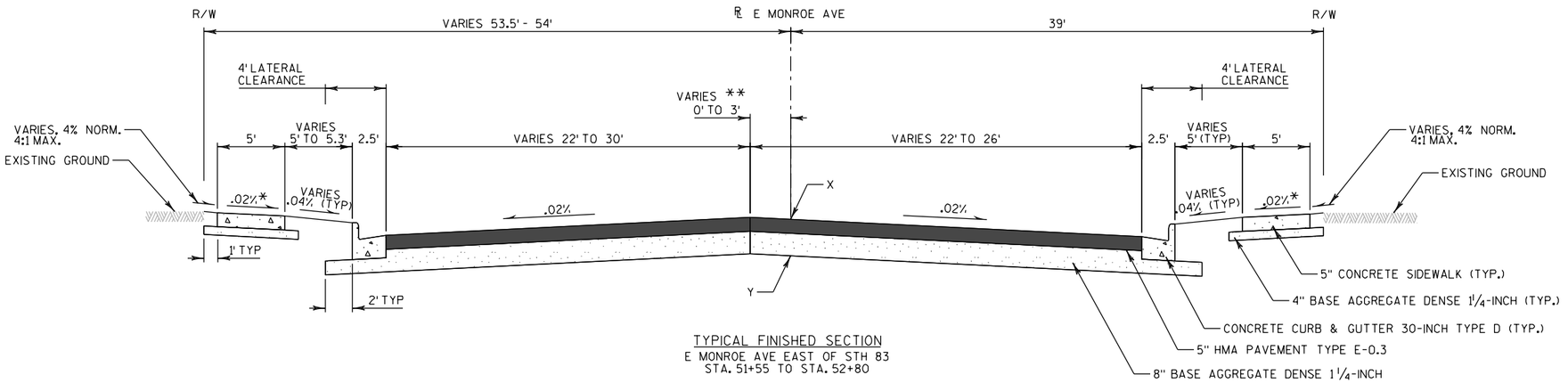
*ADA COMPLIANCE REQUIRES A CROSS SLOPE BETWEEN .01& .02 FT/FT

NOTE: 1-INCH DOWEL BARS REQUIRED FOR 7" CONCRETE PAVEMENT.

PROJECT NO:1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	TYPICAL SECTIONS	SHEET 11	E



TYPICAL FINISHED SECTION
E MONROE AVE EAST OF STH 83
STA 50+37 TO STA 51+55



TYPICAL FINISHED SECTION
E MONROE AVE EAST OF STH 83
STA. 51+55 TO STA. 52+80

*ADA COMPLIANCE REQUIRES A CROSS SLOPE BETWEEN .01 & .02 FT/FT

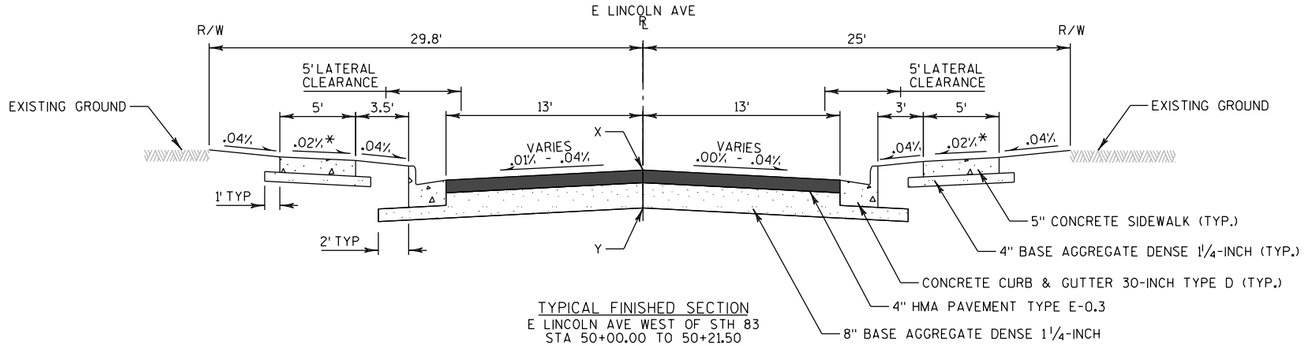
** CROWN POINT LOCATION VARIES FROM ℄ TO 3'RT OF ℄ BETWEEN STA 48+50 TO 48+80

X-POINT REFERRED TO ON PROFILE

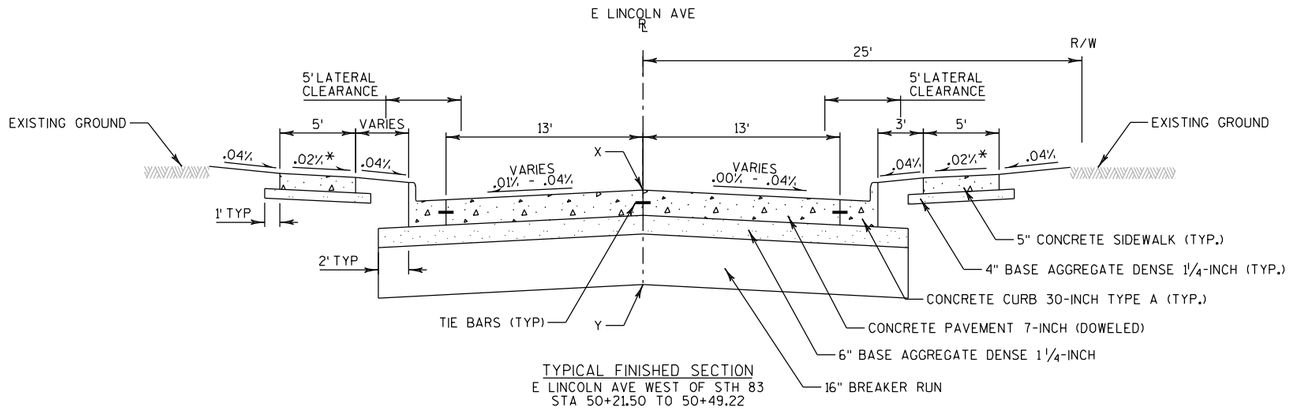
Y-POINT REFERED TO ON CROSS SECTIONS

NOTE: 1-INCH DOWEL BARS REQUIRED FOR 7" CONCRETE PAVEMENT.

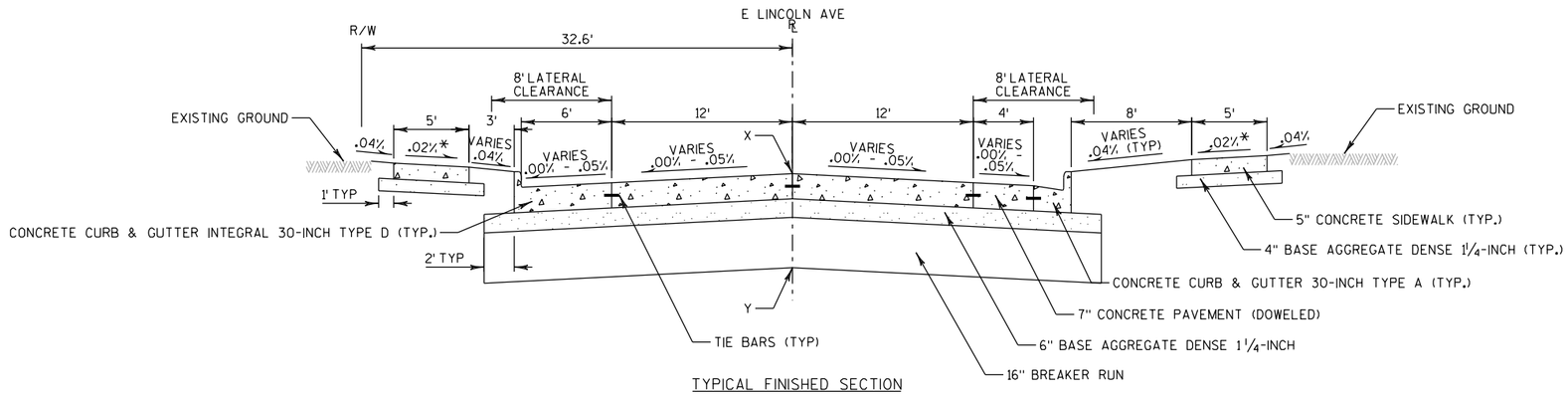
PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	TYPICAL SECTIONS	SHEET 12	E



TYPICAL FINISHED SECTION
E LINCOLN AVE WEST OF STH 83
STA 50+00.00 TO 50+21.50



TYPICAL FINISHED SECTION
E LINCOLN AVE WEST OF STH 83
STA 50+21.50 TO 50+49.22



TYPICAL FINISHED SECTION
E LINCOLN AVE EAST OF STH 83
STA 50+94.60 TO 51+21.63

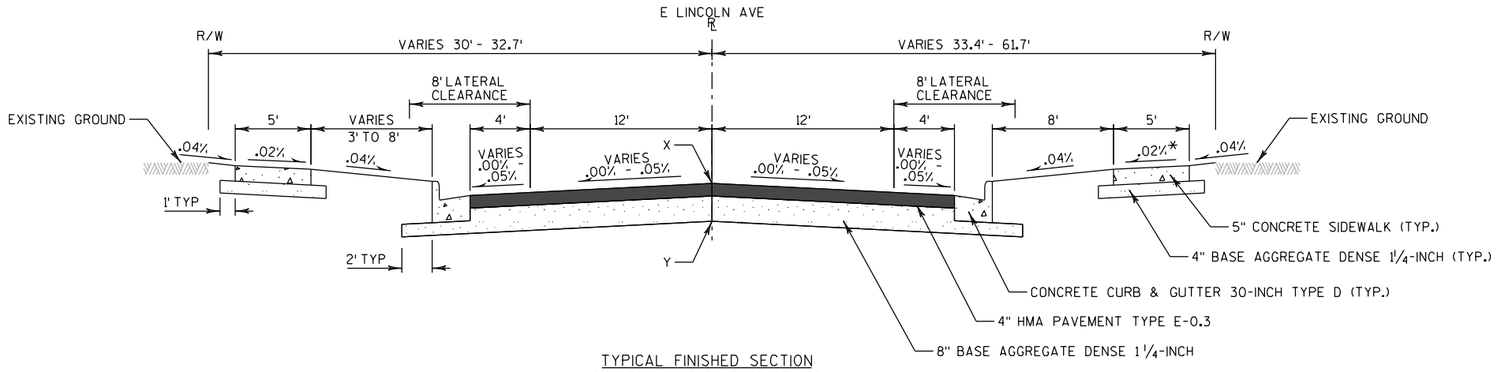
X-POINT REFERRED TO ON PROFILE

Y-POINT REFERED TO ON CROSS SECTIONS

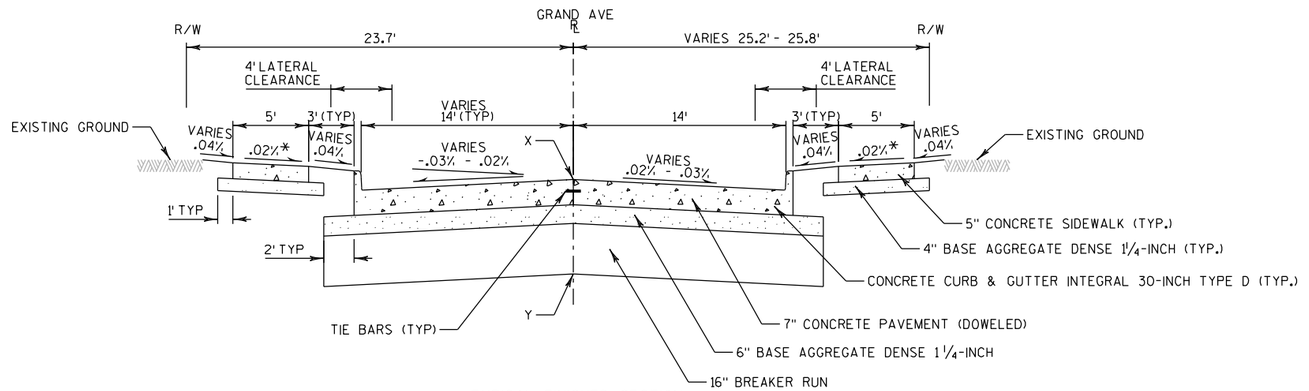
*ADA COMPLIANCE REQUIRES A CROSS SLOPE BETWEEN .01 & .02 FT/FT

NOTE: 1-INCH DOWEL BARS REQUIRED FOR 7" CONCRETE PAVEMENT.

PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	TYPICAL SECTIONS	SHEET 13	E



TYPICAL FINISHED SECTION
E LINCOLN AVE EAST OF STH 83
STA 51+21.63 TO 52+92.12



TYPICAL FINISHED SECTION
GRAND AVE
STA 10+90.52 TO 12+10.63

*ADA COMPLIANCE REQUIRES A CROSS SLOPE BETWEEN .01 & .02 FT/FT

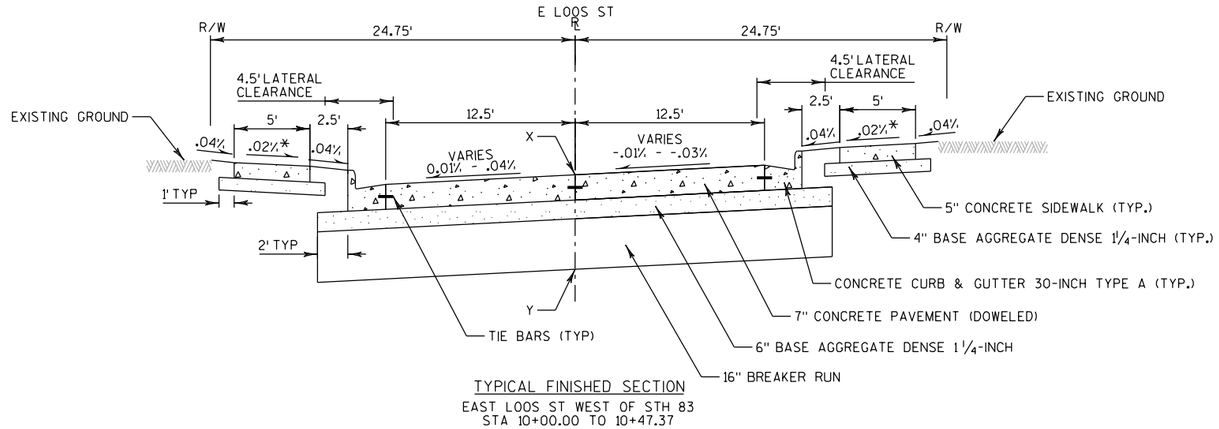
X-POINT REFERRED TO ON PROFILE

Y-POINT REFERED TO ON CROSS SECTIONS

NOTE: 1-INCH DOWEL BARS REQUIRED FOR 7" CONCRETE PAVEMENT.

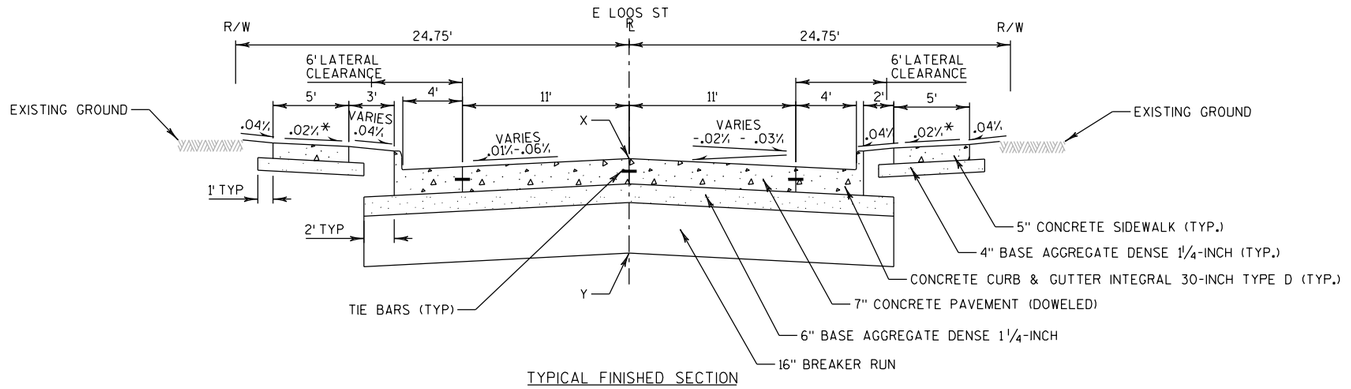
PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	TYPICAL SECTIONS	SHEET 14	E

2



TYPICAL FINISHED SECTION

EAST LOOS ST WEST OF STH 83
STA 10+00.00 TO 10+47.37



TYPICAL FINISHED SECTION

EAST LOOS ST EAST OF STH 83
STA 10+83.15 TO 11+25.57

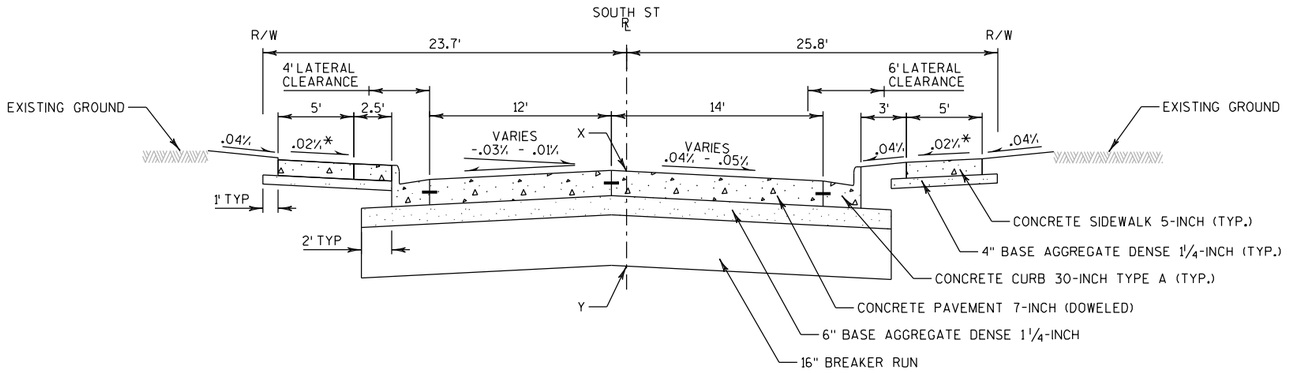
*ADA COMPLIANCE REQUIRES A CROSS SLOPE BETWEEN .01 & .02 FT/FT

X-POINT REFERRED TO ON PROFILE

Y-POINT REFERED TO ON CROSS SECTIONS

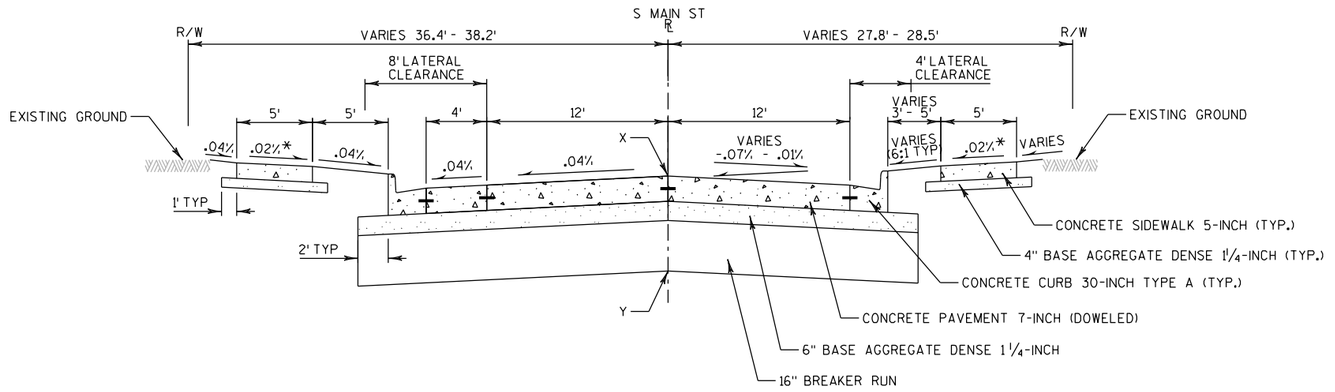
NOTE: 1-INCH DOWEL BARS REQUIRED FOR 7" CONCRETE PAVEMENT.

PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	TYPICAL SECTIONS	SHEET 15	E



TYPICAL FINISHED SECTION

SOUTH ST
STA 10+27.73 TO 11+06.00



TYPICAL FINISHED SECTION

S MAIN ST
STA 10+00.00 TO 11+32.57

*ADA COMPLIANCE REQUIRES A CROSS SLOPE BETWEEN .01 & .02 FT/FT

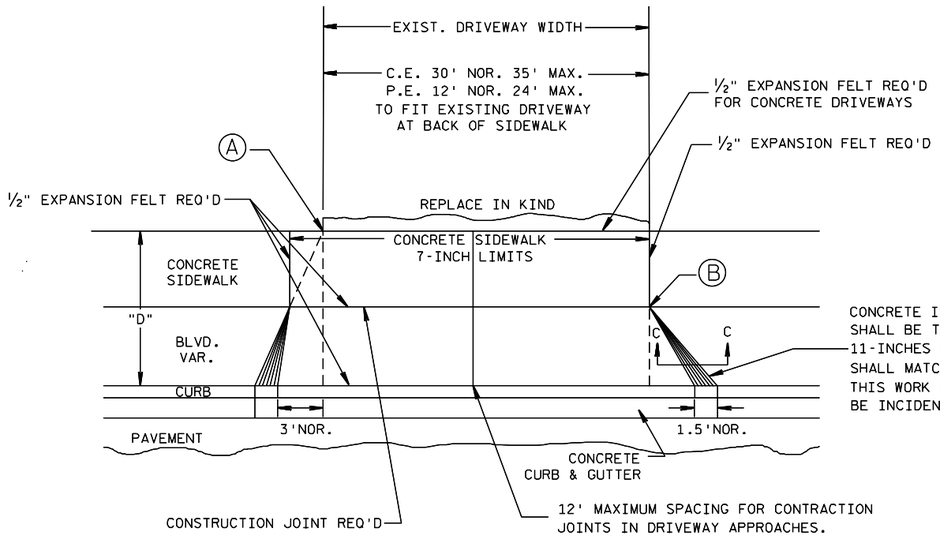
X-POINT REFERRED TO ON PROFILE

Y-POINT REFERED TO ON CROSS SECTIONS

NOTE: 1-INCH DOWEL BARS REQUIRED FOR 7" CONCRETE PAVEMENT.

PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	TYPICAL SECTIONS	SHEET 16	E

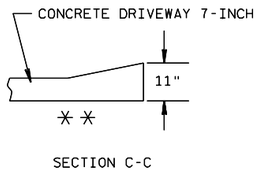
URBAN DRIVEWAY ENTRANCE DETAIL WITH SIDEWALK, CURB & GUTTER

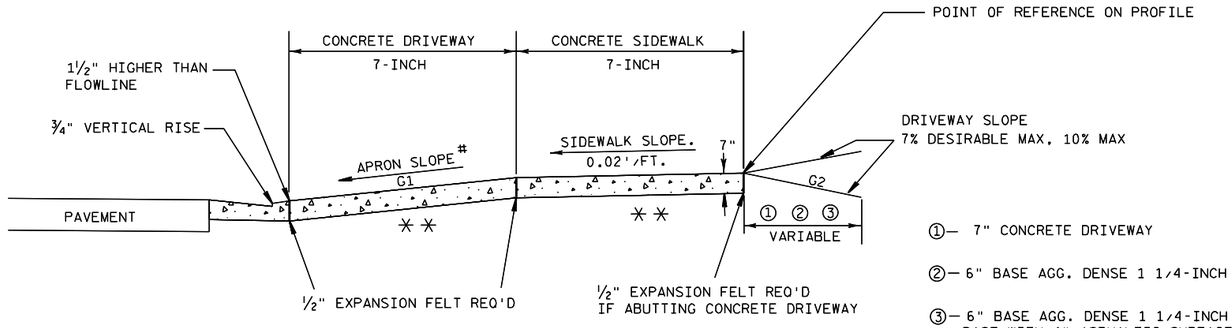


PLAN VIEW

A WHEN "D" IS 13' OR LESS, ALIGN TAPER WITH BACK OF SIDEWALK

B WHEN "D" IS GREATER THAN 13', ALIGN TAPER WITH FRONT OF SIDEWALK





TYPICAL SIDEWALK SECTION

① — 7" CONCRETE DRIVEWAY

② — 6" BASE AGG. DENSE 1 1/4-INCH

③ — 6" BASE AGG. DENSE 1 1/4-INCH BASE WITH 4" ASPHALTIC SURFACE

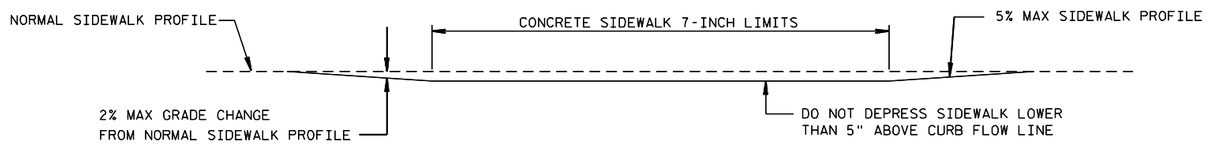
** = 6" BASE AGG. DENSE 1 1/4-INCH REQ'D UNDER CONCRETE DRWY

\#

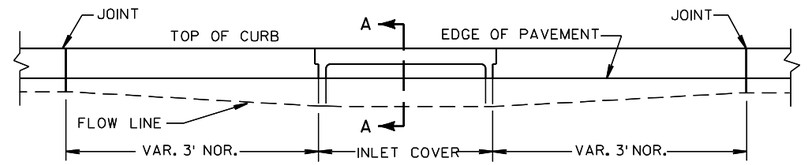
TERRACE WIDTH	APRON SLOPE (G1) MIN %	DESIRABLE %	MAX %
3 FT	7.0	8.5	9.0
4 FT	5.0	7.0	9.0
5 FT	4.0	7.0	9.0
6 FT	4.0	7.0	9.0
7 FT	3.5	7.0	9.0
8 FT	3.0	7.0	9.0
10 FT	3.0	7.0	9.0

NOTE: ALGEBRAIC DIFFERENCE BETWEEN TANGENT GRADES G1 & G2 TO NOT EXCEED 15%

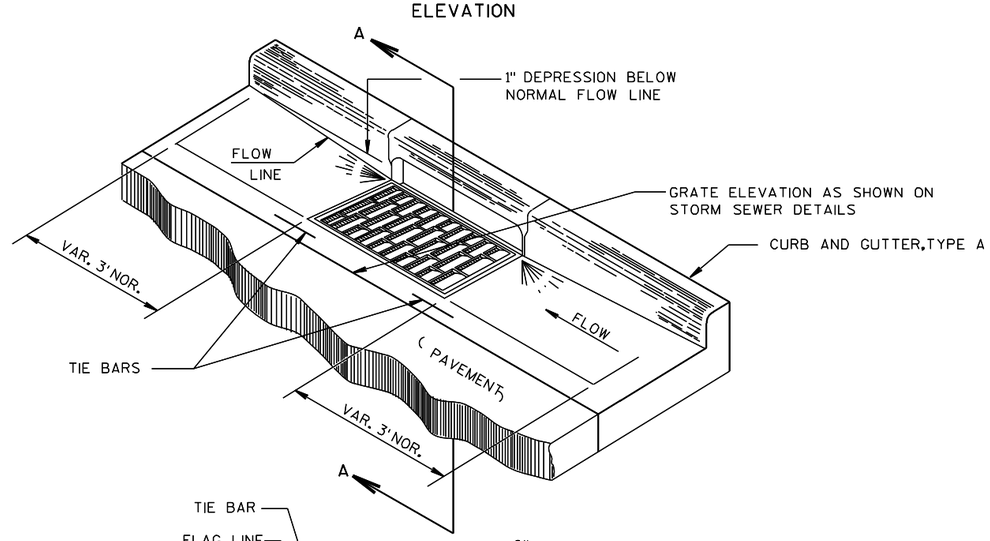
DEPRESS SIDEWALK PROFILE IF DRIVEWAY APRON EXCEEDS MAX SLOPE

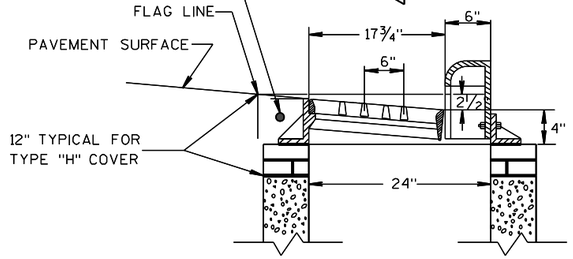


DEPRESSED SIDEWALK PROFILE DETAIL



ELEVATION



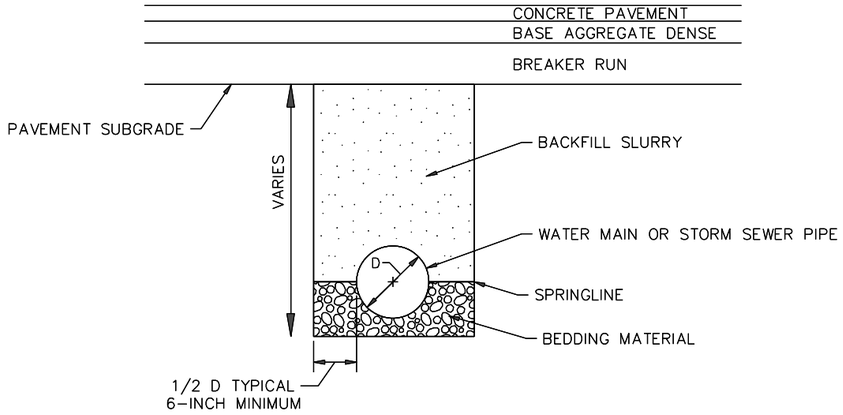


SECTION A-A

DETAIL OF CURB AND GUTTER AT INLETS

(TYPE H INLET SHOWN)

STH 83 STA. 253+76, 17.0' LT
STH 83 STA. 254+26, 17.0' LT
STH 83 STA. 254+86, 17.0' LT
STH 83 STA. 225+06, 17.0' LT
STH 83 STA. 278+25, 14.0' RT
STH 83 STA. 270+76, 17.0' RT
STH 83 STA. 288+26, 39.3' RT
STH 83 STA. 288+45, 14.0' RT
STH 83 STA. 293+14, 14.0' RT
STH 83 STA. 294+80, 77.3' LT
E MONROE AVE STA. 48+26, 25.2' RT

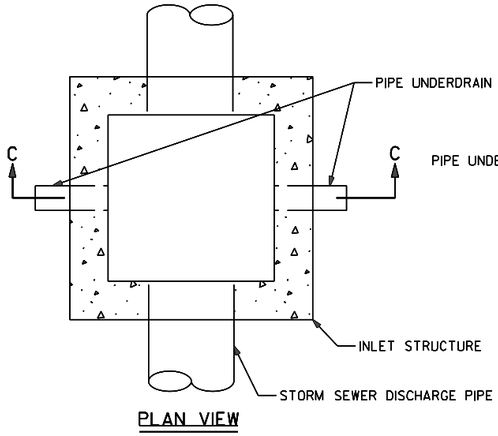


BACKFILL SLURRY

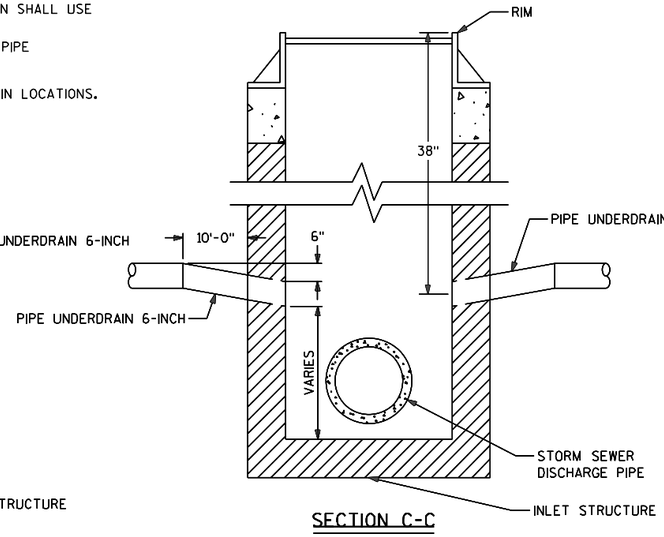
STAGE 1A STORM SEWER
STAGE 1B, 1C, 1D WATER MAIN

NOTES

1. CONNECTIONS TO INLETS OR MANHOLES IN MEDIAN SHALL USE PIPE UNDERDRAIN, 6-INCH.
2. PROVIDE TWO 6" DIA. OPENINGS FOR UNDERDRAIN PIPE A MINIMUM OF 38" BELOW THE RIM ELEVATION.
3. SEE CONSTRUCTION DETAILS FOR PIPE UNDERDRAIN LOCATIONS.

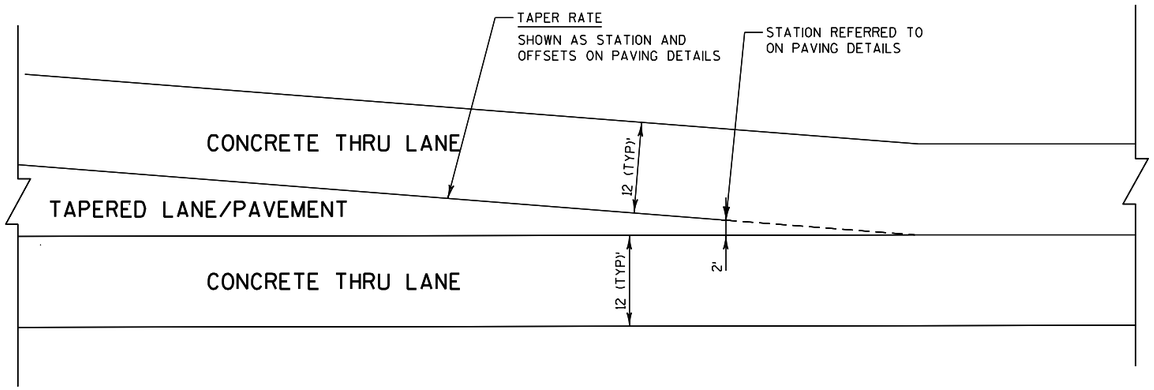


PLAN VIEW



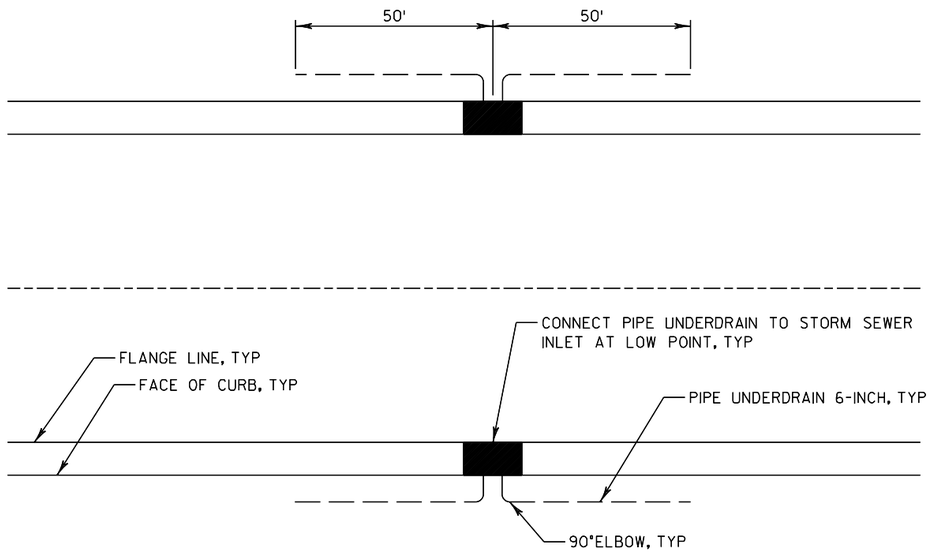
SECTION C-C

UNDERDRAIN OUTFALL AT INLET



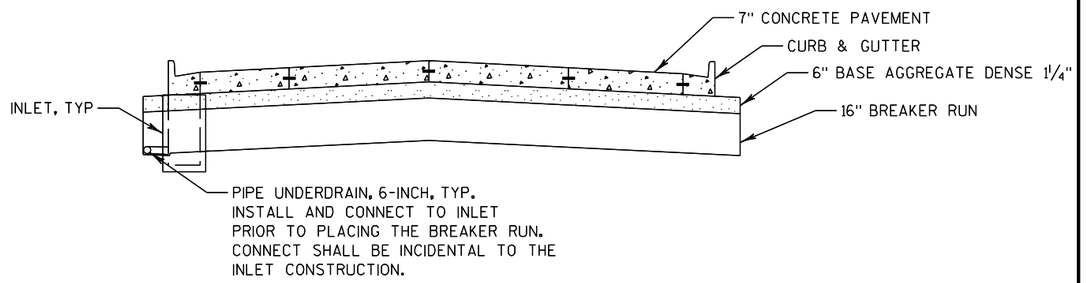
TAPER END LAYOUT FOR CONCRETE PAVEMENT

FOR PAVEMENT NOTCH AT TAPER POINT



PLAN VIEW

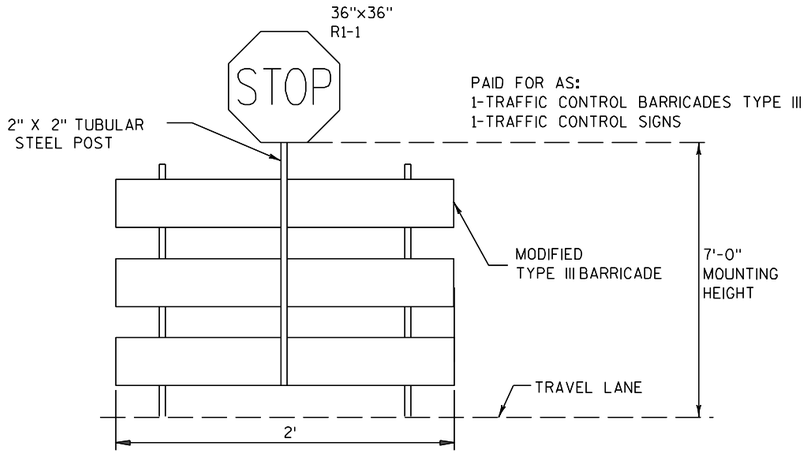
SAME FOR BOTH NB AND SB
STH 83 (TYP)



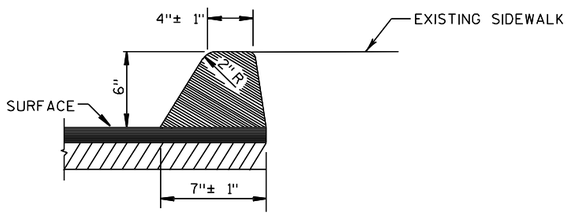
SECTION VIEW

UNDERDRAIN IN BREAKER RUN AT PROFILE LOW POINTS

STH 83
PLACE AT INLETS
SEE MISCELLANEOUS QUANTITIES FOR LOCATIONS

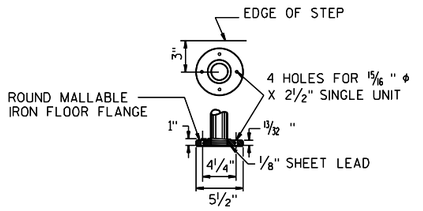


TEMPORARY STOP SIGN

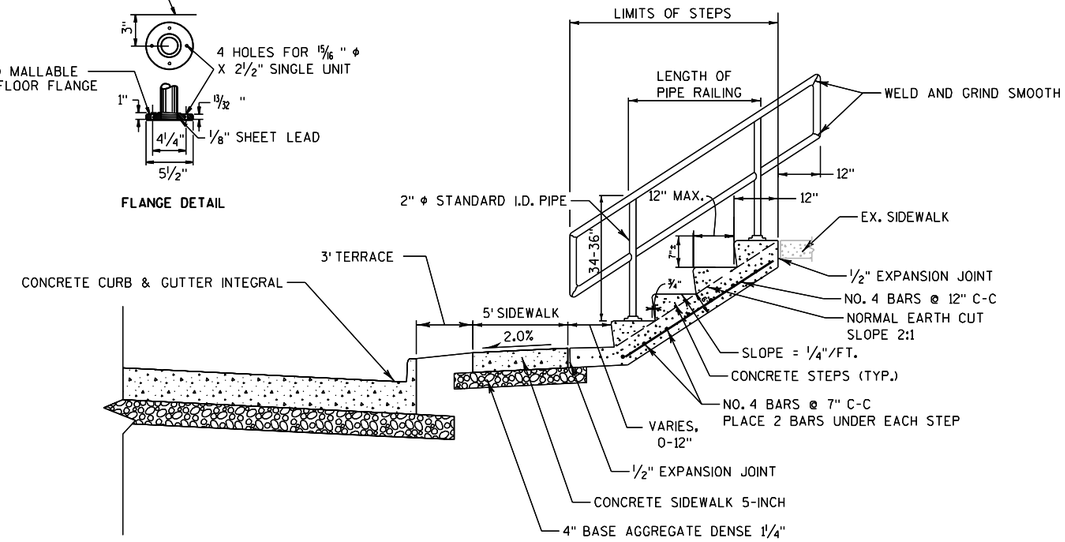


ASPHALTIC CURB DETAIL

* ADJUST CURB FACE HEIGHT
TO MATCH EXISTING SIDEWALK



FLANGE DETAIL



NOTE:

THE EXACT LOCATION, WIDTHS, AND NUMBER OF STEPS TO BE VERIFIED BY THE ENGINEER IN THE FIELD.

STEEL REINFORCEMENT NOT REQUIRED ON STEPS WITH 2 RISERS OR LESS.

MINIMUM WIDTH OF STEP EQUALS 4 FEET.

RAILING REQUIRED IF 4 OR MORE RISERS REQUIRED (STA 288+57 LT)

CONCRETE STEPS

Victor Stanley, Inc.
P.O. DRAWER 330 - DUNKIRK, MD 20754 USA
TEL (301) 855-8300 - FAX (410) 257-7579

PRODUCT SPECIFICATIONS

CADD Department	VIEWS 7
DRAWN R.D.N.	REV. 1/20/98

CLASSIC SERIES

C-10

Standard 4 Foot Length
Shown With Recycled
Second Site Systems™ Slats

For your convenience and economy this bench is shipped partially unassembled

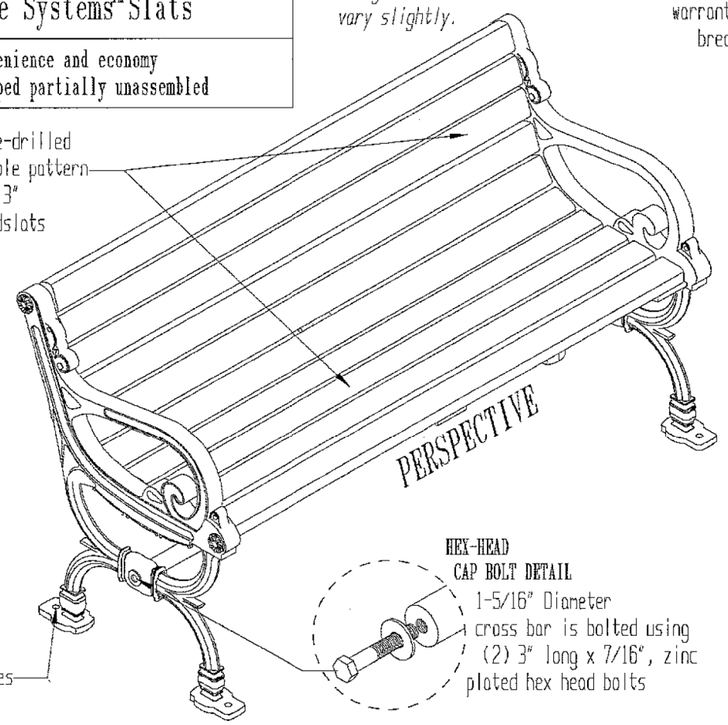
All fabricated components are steel shot-blasted, etched, phosphatized and electrostatically powder-coated with TGIC polyester powder coatings.

All specifications are subject to change. Please contact factory for details.

Ductile Iron castings come with a 10 year warranty against breakage

Casting dimensions vary slightly.

The C-10 braces are pre-drilled with the appropriate hole pattern to mount the (10) 2" x 3" (nominal) recycled woodslats



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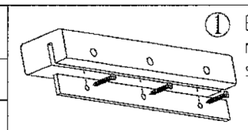
(Anchor bolts provided by others)

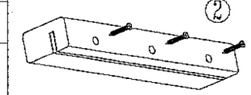
(4) 1/2" I.D. anchor bolt holes

HEX-HEAD CAP BOLT DETAIL

1-5/16" Diameter cross bar is bolted using (2) 3" long x 7/16", zinc plated hex head bolts



① Each slot is precision-machined to receive a steel spine and fasteners.

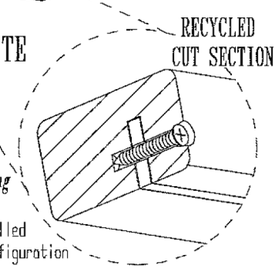


② The steel bar is inserted and the fasteners are driven into precisely-located countersunk holes.

③ The holes are covered with filler material.

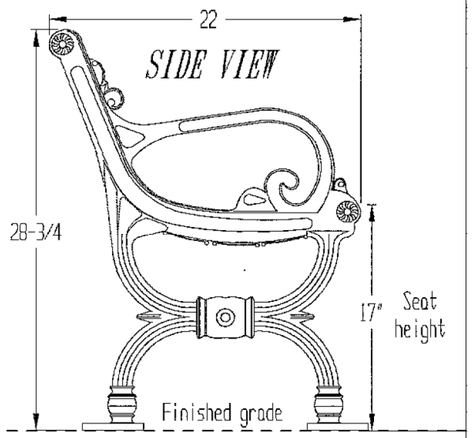
SECOND SITE SYSTEMS™ DETAIL

RECYCLED CUT SECTION



U.S. Patent Pending

④ Slats are installed in the same configuration as wood slats.



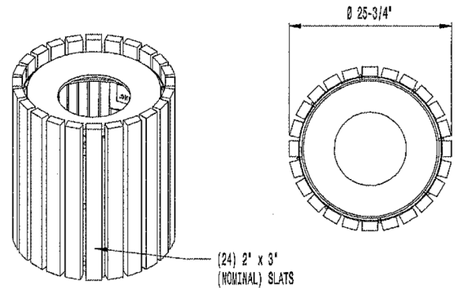
It is not recommended to locate anchor bolts until assembled bench is in place.

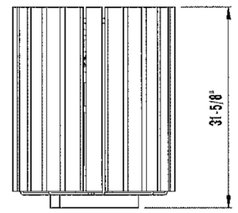
DECORATIVE BENCH

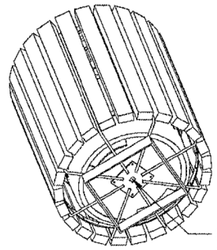
PLACE APPROXIMATELY:
STH 83 STA. 298+00, LT
STH 83 STA. 298+20, RT

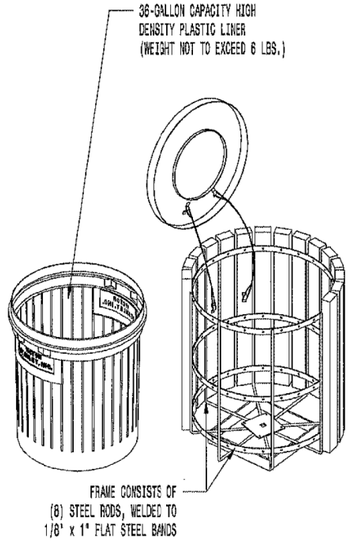
VICTOR STANLEY, INC.
-Manufacturers of Quality Site Furnishings since 1962-

P.O. DRAWER 330 - DUNKIRK, MD 20754 USA
TOLL FREE: (800) 368-2573 (USA & CANADA)
TEL (301) 855-8300 - FAX (410) 257-7579
WEB SITE: HTTP://WWW.VICTORSTANLEY.COM









AVAILABLE OPTIONS:

POWDER COATING
10 STANDARD COLORS, CUSTOM COLORS (INCLUDING THE RAL RANGE)

SLAT TYPES
RECYCLED PLASTIC SLATS (NOT 2nd SITE SYSTEMS®)
COLORS: GRAY, MAPLE, CHERRY, AND WALNUT
SEE H SERIES FOR ALTERNATIVE SLAT OPTIONS

LIDS
AVAILABLE WITH OPTIONAL TAPERED FORMED LID (AS SHOWN),
AND DS-32 FORMED DOME WITH SELF-CLOSING DOOR

SECURITY
LID IS SECURED WITH VINYL COATED GALVANIZED STEEL AIRCRAFT CABLE. CABLE IS LOOPED AROUND WELDED IN PLACE ATTACHMENT BRACKETS AND CRIMPED IN PLACE.

NOTES:
1. DRAWINGS NOT TO SCALE. DO NOT SCALE DRAWINGS.
2. ALL FABRICATED METAL COMPONENTS ARE STEEL SHOTBLASTED, ETCHED, PHOSPHATIZED, PREHEATED, AND ELECTROSTATICALLY POWDER-COATED WITH T.G.I.C. POLYESTER POWDER COATINGS. PRODUCTS ARE FULLY CLEANED AND PRETREATED, PREHEATED AND COATED WHILE HOT TO FILL CREVICES AND BUILD FILM COATING. COATED PARTS ARE THEN FULLY CURED TO COATING MANUFACTURER'S SPECIFICATIONS. THE THICKNESS OF THE RESULTING FINISH AVERAGES 6-10 MILS (200-250 MICRONS).
3. THIS VICTOR STANLEY, INC. PRODUCT MUST BE PERMANENTLY AFFIXED TO THE GROUND. CONSULT YOUR LOCAL CODES FOR REGULATIONS.
4. VICTOR STANLEY, INC., PLASTIC INNER LINERS ARE MOLDED ON TOOLING DESIGNED FOR AND OWNED BY VICTOR STANLEY, INC. THEY OFFER MAXIMUM CAPACITY AND STRENGTH WITH LIGHTWEIGHT CONSTRUCTION USING CRITICAL MOLDED RIBS, INTEGRAL HANDHOLDS, AND HIGH-STRENGTH MATERIALS. THIS MINIMIZES HANDLING DIFFICULTY AND FACILITATES EASY EMPTYING AND STORAGE WHILE AFFORDING LONG SERVICE LIFE.
5. ANCHOR BOLT(S) NOT PROVIDED BY VICTOR STANLEY, INC.
6. FOR HIGH SALT ABUSIVE CLIMATES, HOT DIP GALVANIZING BEFORE POWDER COATING IS AVAILABLE. SEE WRITTEN SPECIFICATIONS FOR DETAILS.
7. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE. CONTACT MANUFACTURER FOR DETAILS.
8. THIS PRODUCT IS SHIPPED FULLY ASSEMBLED.

RHF-324

GREENSITES SERIES™ — 36 GALLON LITTER RECEPTACLE
SHOWN: OPTIONAL TAPERED FORMED LID

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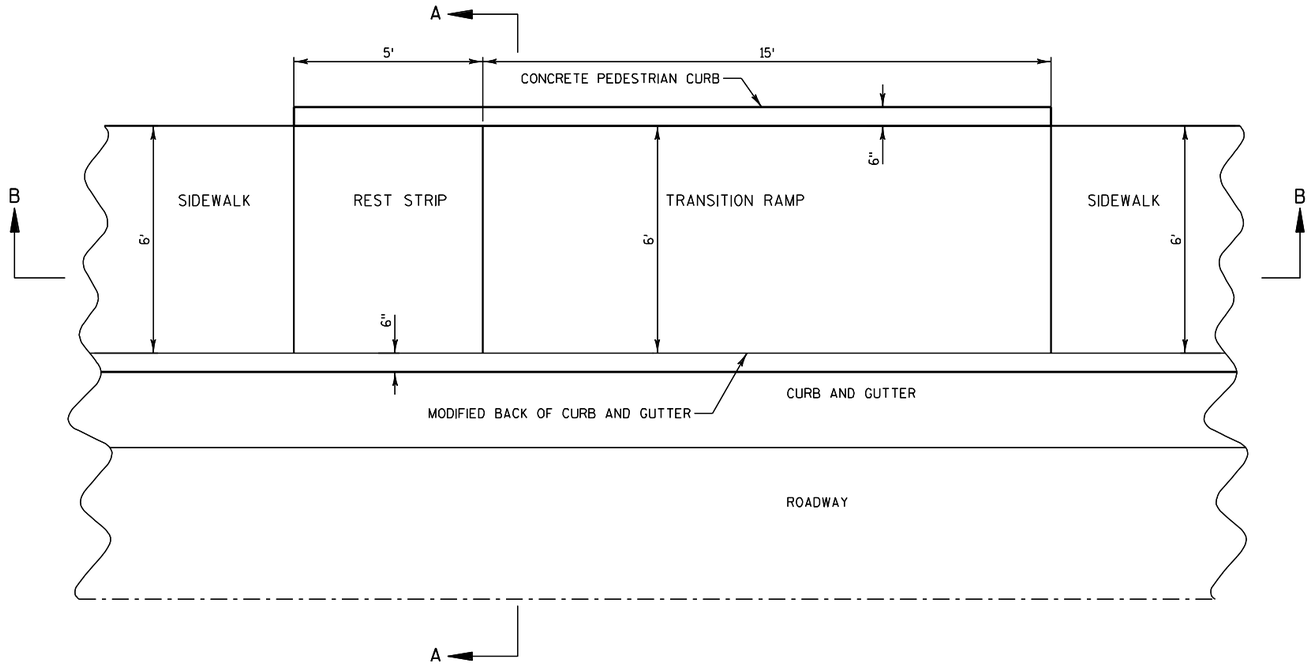
REV. 07/07 DRAWN M.C.W. 2007.464

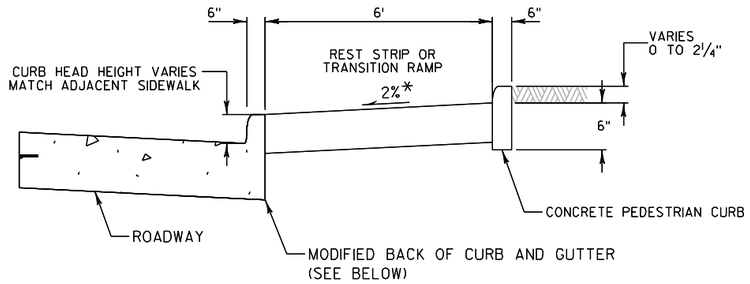
TRASH RECEPTACLE

PLACE APPROXIMATELY:
STH 83 STA. 298+00, LT
STH 83 STA. 298+20, RT

NOTE: PER SPECIAL PROVISIONS, A LID IS NOT REQUIRED.



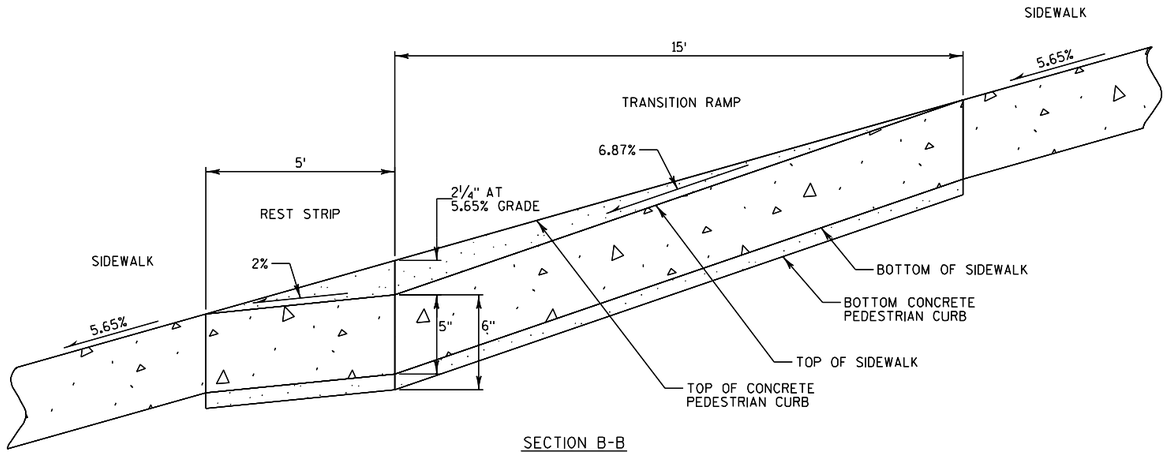
PLAN VIEW



SECTION A-A

NOTE:

*ADA COMPLIANCE REQUIRES A CROSS SLOPE BETWEEN .01 & .02 FT/FT



SECTION B-B

SIDEWALK REST STRIP AND TRANSITION RAMP

STH 83
S. MAIN STREET
(SEE PAVING DETAILS AND CONSTRUCTION DETAILS FOR LOCATIONS AND ELEVATIONS)

PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CONSTRUCTION DETAILS	SHEET 24	E

2

N

10

11

12

S MAIN ST

KOSSUTH ST

CHURCH ST

STH 83

294

295

296

+00.00
MATCH
EXISTING

+00.00
MATCH
EXISTING

+14.83
995.38

+19.83
995.28

2.0%

+14.96
995.47

+19.96
995.37

+89.00
999.88

+04.00
998.89

+09.00
998.79

+33.00
997.40

+48.00
996.29

+53.00
996.19

2.0%

2.0%

+89.00
999.76

+04.00
998.77

+09.00
998.67

+33.00
997.31

+48.00
996.28

+53.00
996.18

+94.00
994.64

+09.00
998.64

+14.00
998.54

2.0%

+94.00
999.76

+09.00
998.76

+14.00
998.66

+01.55
993.59

+17.60
992.48

+22.95
992.38

+45.58
991.11

+61.63
990.00

+66.98
989.90

2.0%

+01.55
993.71

+17.60
992.60

+22.95
995.00

+45.58
991.23

+61.63
990.12

+66.98
990.02

2.0%

+89.93
988.62

+05.76
987.60

+11.01
987.50

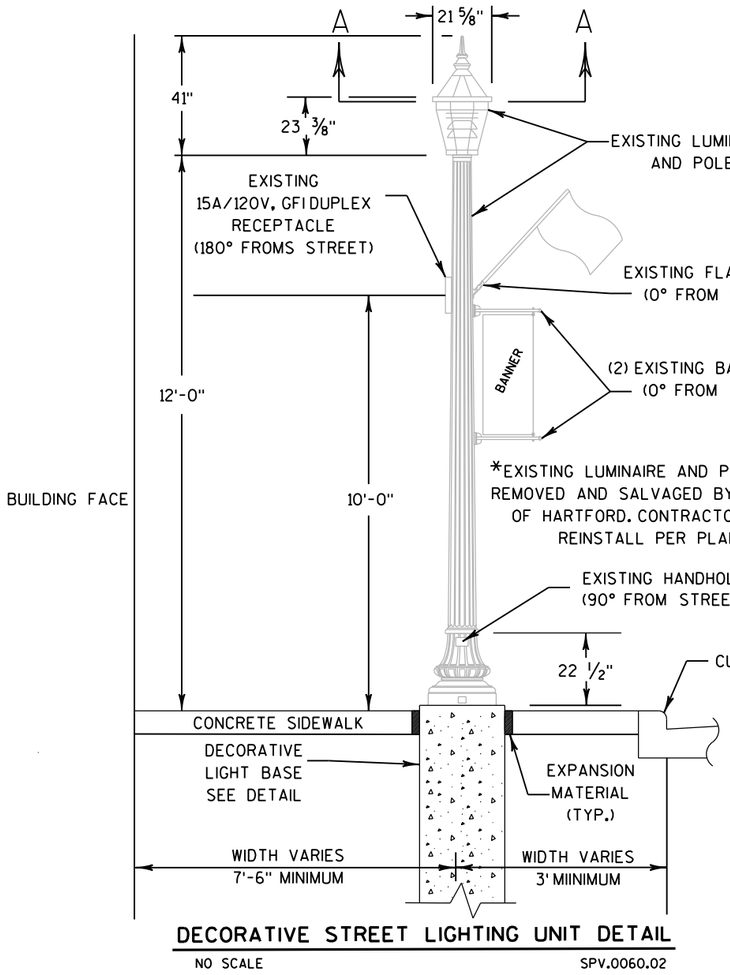
+87.43
988.95

+03.42
987.96

+08.82
987.86

PAVING GRADES FOR SIDEWALK
REST STRIPS AND TRANSITION RAMPS

PROJECT NO:1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CONSTRUCTION DETAILS	SHEET 25	E



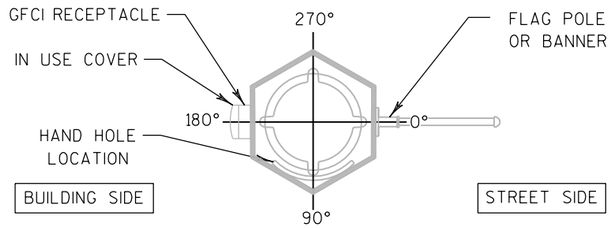
DECORATIVE STREET LIGHTING UNIT DETAIL

NO SCALE SPV.0060.02

STREET LIGHTING PLANS PREPARED BY

WISCONSIN
MIKE D. SCARMON
E-37613
EVANSVILLE. WI
PROFESSIONAL ENGINEER

5-1-15 (DATE) (SIGNATURE)



SECTION A-A
OVERHEAD VIEW

GENERAL NOTES:

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

VERIFY ANCHOR ROD DIMENSIONS, MATCH EXISTING BASES.

STREET LIGHTS BEARING FLAG HOLDERS INCLUDE SL100, SL101, SL102, SL104, SL105, SL108, & SL109

STREET LIGHTS BEARING BANNER ARMS INCLUDE SL103, SL106, SL107, SL110, & SL111

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

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

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

CONDUIT HEIGHT ABOVE CONCRETE BASES SHALL BE 1 INCH.

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

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

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

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

A NO. 4 AWG, STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD) FOR DECORATIVE LIGHTING UNIT BASE.

ANCHOR RODS SHALL BE THREADED.

ANCHOR RODS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 654.2.1 AND 641.2.2 OF THE STANDARD SPECIFICATIONS & SHALL MATCH EXISTING.

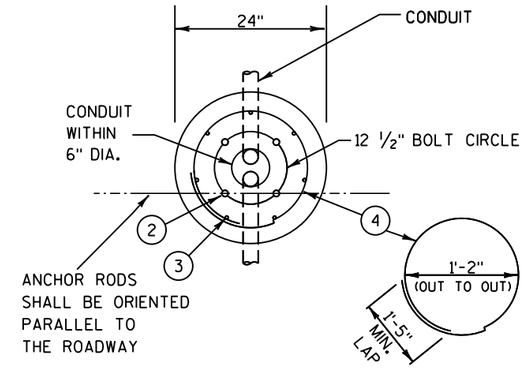
WASHERS AND LOCK WASHERS ARE REQUIRED ON ALL ANCHOR RODS

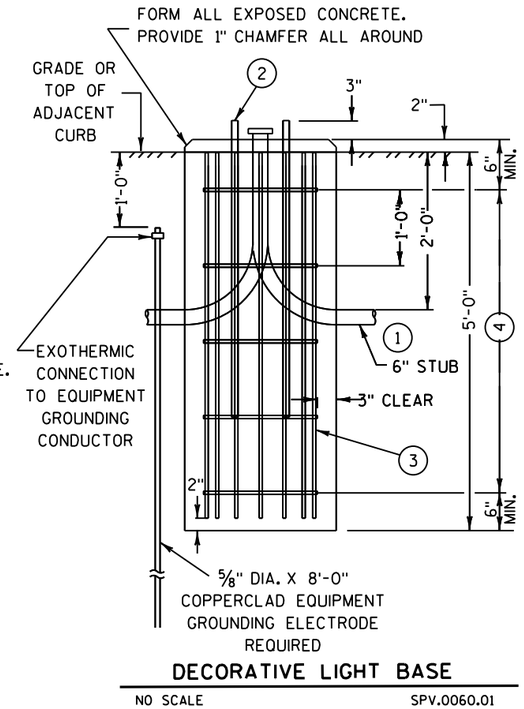
WHEN ANCHOR RODS USING THE ALTERNATE "L" BEND ARE FURNISHED, THE 4" "L" BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH. THE "L" BEND SHALL NOT BE THREADED.

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

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

1. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THETRAVELED WAY SHALL BE 18 INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36 INCHES EXCEPT WITH WRITTEN APPROVAL BY THE ENGINEER.
2. (4) 3/4" DIA. X 3'-6" ANCHOR RODS
3. (7) NO. 4 X 4'-8" BAR STEEL REINFORCEMENT
4. (5) NO. 4 X 5' 1" BAR STEEL REINFORCEMENT AT 1'-0" C-C WITH 1'-6" MINIMUM OVERLAP.





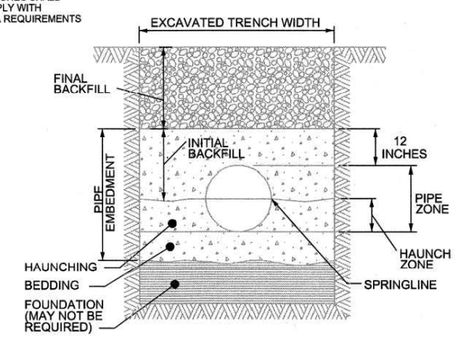
DECORATIVE LIGHT BASE

NO SCALE SPV.0060.01

PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	LIGHTING PLAN - CONSTRUCTION DETAIL	SHEET 26	E

2

TRENCHES SHALL COMPLY WITH OSHA REQUIREMENTS



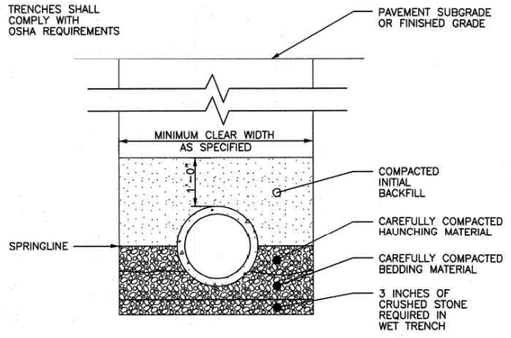
GENERAL NOTES:

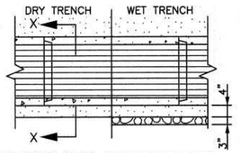
1. DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO ASTM D2321.
2. CLASS 1A EMBEDMENT MATERIAL SHALL BE CLEAN, OPEN GRADED CRUSHED STONE, ROCK OR GRAVEL.
3. CLASS 1B EMBEDMENT MATERIAL SHALL BE CLEAN, DENSE GRADED CRUSHED STONE AND SAND/STONE MIXTURES.
4. NO PARTICLES LARGER THAN 1 1/2 -INCHES SHALL BE USED IN THE PIPE EMBEDMENT.
5. DO NOT USE CLASS 1A MATERIAL WHERE CONDITIONS MAY CAUSE MIGRATION OF FINES FROM ADJACENT SOIL AND LOSS OF PIPE SUPPORT.
6. CLASS 1 MATERIAL IS SUITABLE AS FOUNDATION AND FOR REPLACING OVER-EXCAVATED AND UNSTABLE TRENCH BOTTOM. INSTALL AND COMPACT IN 6-INCH MAXIMUM LAYERS.
7. INSTALL BEDDING IN 6-INCH MAXIMUM LAYERS. LEVEL FINAL GRADE BY HAND. MINIMUM DEPTH 4 INCH (6 INCH IN ROCK CUTS).
8. INSTALL AND COMPACT HAUNCHING IN 6-INCH MAXIMUM LAYERS. WORK IN AROUND PIPE BY HAND TO PROVIDE UNIFORM SUPPORT.
9. INSTALL AND COMPACT INITIAL BACKFILL TO A MINIMUM OF 6 INCH ABOVE PIPE CROWN.
10. EMBEDMENT COMPACTION:
    CLASS 1A: PLACE AND WORK BY HAND TO INSURE ALL EXCAVATED VOIDS AND HAUNCH AREAS ARE FILLED. FOR HIGH DENSITIES USE VIBRATORY COMPACTORS.
    CLASS 1B: MINIMUM DENSITY 85% STANDARD PROCTOR. USE HAND TAMPERS OR VIBRATORY COMPACTORS.

CLASS I - FLEXIBLE PIPE EMBEDMENT DETAIL

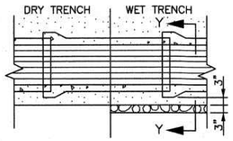
SCALE: NONE

TRENCHES SHALL COMPLY WITH OSHA REQUIREMENTS





TONGUE AND GROOVE PIPE



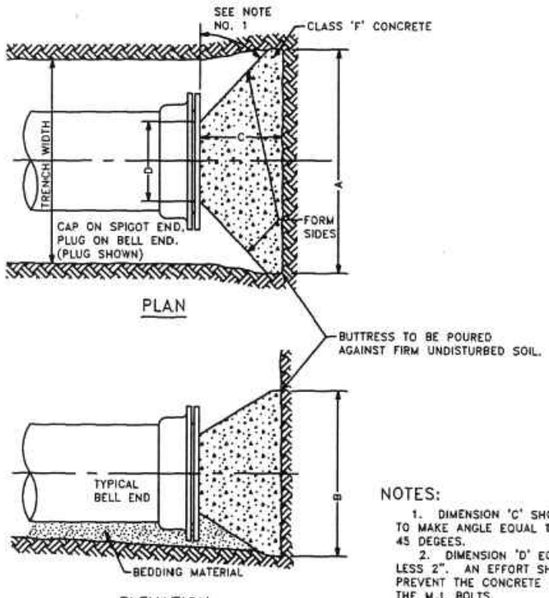
BELL AND SPIGOT PIPE

GENERAL NOTES:

1. BEDDING AND HAUNCHING MATERIAL SHALL BE WELL-GRADED 3/4 TO 1/4 INCH CRUSHED STONE OR OTHER NONE COHESIVE MATERIAL NOT SUBJECT TO MIGRATION AND FREE OF DEBRIS, ORGANIC MATERIAL, AND LARGE STONES.
2. BEDDING MATERIAL TO BE PLACED BEFORE SETTING PIPE, 4 INCH MINIMUM UNDER BARREL WITH 3 INCH MINIMUM UNDER BELL.
3. INITIAL BACKFILL SHALL BE DENSELY COMPACTED, NON-COHESIVE FINELY DIVIDED CLEAR STONE MATERIAL FREE OF DEBRIS, ORGANIC MATERIAL, AND LARGE STONES.
4. IN ROCK OR OTHER INCOMPRESSABLE MATERIALS, THE TRENCH SHALL BE OVEREXCAVATED A MINIMUM OF 6-INCHES AND REFILLED WITH GRANULAR MATERIAL.

CLASS "B" EMBEDMENT FOR RIGID PIPE DETAIL

SCALE: NONE



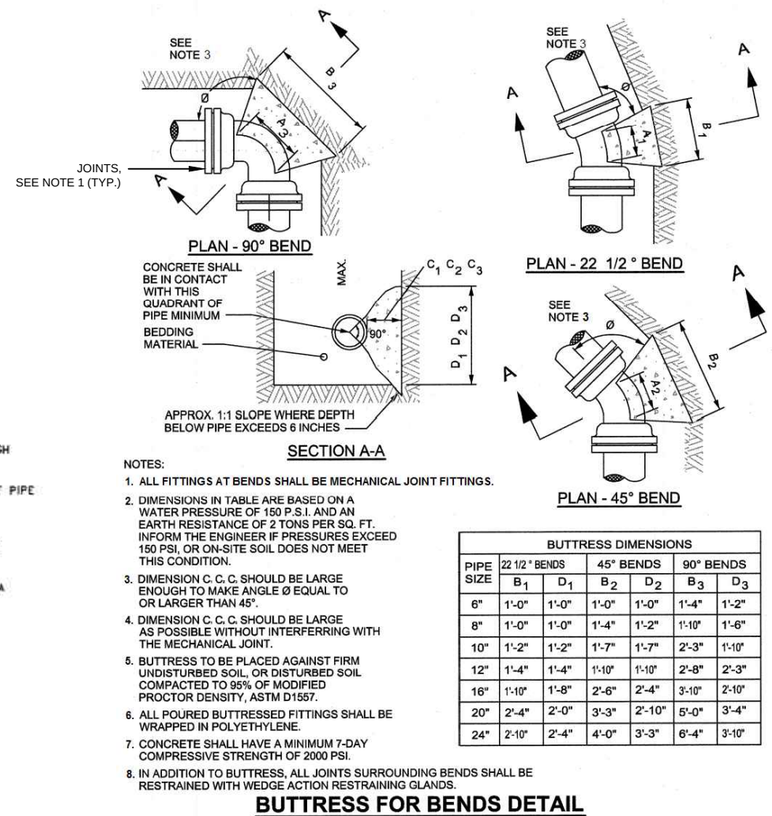
NOTES:

1. DIMENSION 'C' SHOULD BE LARGE ENOUGH TO MAKE ANGLE EQUAL TO OR LARGER THAN 45 DEGEES.
2. DIMENSION 'D' EQUALS APPROX. I.D. OF PIPE LESS 2". AN EFFORT SHOULD BE MADE TO PREVENT THE CONCRETE FROM COVERING THE M.J. BOLTS.
3. WHERE BUTTRESSES ARE NOT POSSIBLE BECAUSE OF POOR SOIL CONDITIONS OR LACK OF ROOM, STRAPPING SHALL BE PERMITTED.
4. BUTTRESS DIMENSIONS ARE BASED ON A SOIL REISTANCE OF TWO TONS PER SQ. FT. AND A WATER PRESSURE OF 150 PSI.

BUTTRESS DIMENSIONS				
PIPE DIA.	A	B	C	D
4"	1'-5"	1'-0"	SEE NOTE NO. 1	SEE NOTE NO. 2
6"	1'-7"	1'-9"		
8"	2'-4"	2'-0"		
10"	2'-4"	2'-0"		
12"	2'-8"	2'-6"		
16"	3'-4"	3'-6"		
20"	3'-10"	4'-9"		
24"	4'-8"	5'-6"		

BUTTRESS FOR DEAD ENDS DETAIL

SCALE: NONE



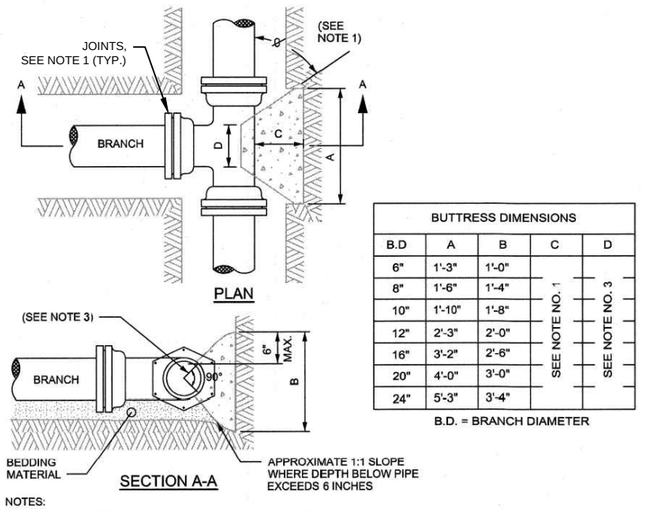
NOTES:

1. ALL FITTINGS AT BENDS SHALL BE MECHANICAL JOINT FITTINGS.
2. DIMENSIONS IN TABLE ARE BASED ON A WATER PRESSURE OF 150 P.S.I. AND AN EARTH RESISTANCE OF 2 TONS PER SQ. FT. INFORM THE ENGINEER IF PRESSURES EXCEED 150 PSI, OR ON-SITE SOIL DOES NOT MEET THIS CONDITION.
3. DIMENSION C. C. C. SHOULD BE LARGE ENOUGH TO MAKE ANGLE Ø EQUAL TO OR LARGER THAN 45°.
4. DIMENSION C. C. C. SHOULD BE LARGE AS POSSIBLE WITHOUT INTERFERRING WITH THE MECHANICAL JOINT.
5. BUTTRESS TO BE PLACED AGAINST FIRM UNDISTURBED SOIL, OR DISTURBED SOIL COMPACTED TO 95% OF MODIFIED PROCTOR DENSITY, ASTM D1557.
6. ALL POURED BUTTRESSED FITTINGS SHALL BE WRAPPED IN POLYETHYLENE.
7. CONCRETE SHALL HAVE A MINIMUM 7-DAY COMPRESSIVE STRENGTH OF 2000 PSI.
8. IN ADDITION TO BUTTRESS, ALL JOINTS SURROUNDING BENDS SHALL BE RESTRAINED WITH WEDGE ACTION RESTRAINING GLANDS.

BUTTRESS DIMENSIONS						
PIPE SIZE	22 1/2 ° BENDS		45° BENDS		90° BENDS	
	B_1	D_1	B_2	D_2	B_3	D_3
6"	1'-0"	1'-0"	1'-0"	1'-0"	1'-4"	1'-2"
8"	1'-0"	1'-0"	1'-4"	1'-2"	1'-10"	1'-6"
10"	1'-2"	1'-2"	1'-7"	1'-7"	2'-3"	1'-10"
12"	1'-4"	1'-4"	1'-10"	1'-10"	2'-8"	2'-3"
16"	1'-10"	1'-8"	2'-6"	2'-4"	3'-10"	2'-10"
20"	2'-4"	2'-0"	3'-3"	2'-10"	5'-0"	3'-4"
24"	2'-10"	2'-4"	4'-0"	3'-3"	6'-4"	3'-10"

BUTTRESS FOR BENDS DETAIL

SCALE: NONE



BUTTRESS DIMENSIONS				
B.D	A	B	C	D
6"	1'-3"	1'-0"	SEE NOTE NO. 1	SEE NOTE NO. 3
8"	1'-6"	1'-4"		
10"	1'-10"	1'-8"		
12"	2'-3"	2'-0"		
16"	3'-2"	2'-6"		
20"	4'-0"	3'-0"		
24"	5'-3"	3'-4"		

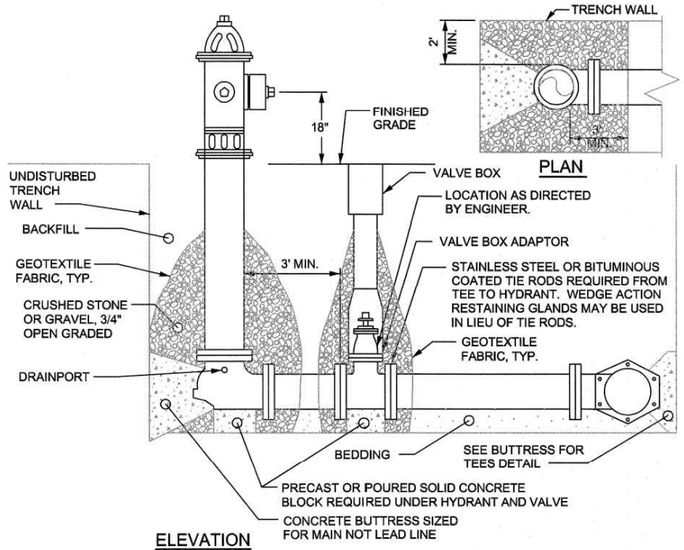
B.D. = BRANCH DIAMETER

NOTES:

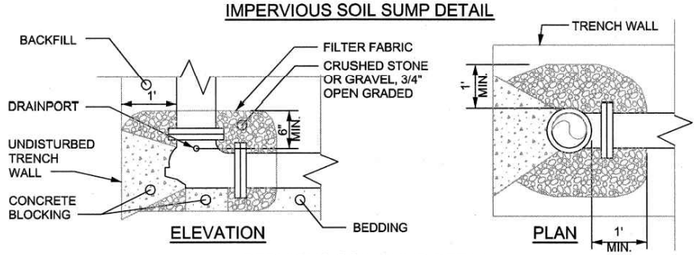
1. ALL FITTINGS AT TEES SHALL BE MECHANICAL JOINT FITTINGS.
2. DIMENSION 'C' SHOULD BE LARGE ENOUGH TO MAKE ANGLE Ø GREATER THAN OR EQUAL TO 45°.
3. CONCRETE SHOULD BEAR ON THIS QUADRANT OF PIPE AT A MINIMUM.
4. DIMENSION 'D' SHOULD BE AS LARGE AS POSSIBLE BUT CONCRETE SHOULD NOT INTERFERE WITH MECHANICAL JOINTS.
5. BUTTRESS DIMENSIONS ARE BASED ON A SOIL RESISTANCE OF TWO TONS PER SQ. FT. AND A WATER PRESSURE OF 150 PSI. INFORM THE ENGINEER IF ON-SITE SOIL DOES NOT MEET THIS CONDITION OR PRESSURES EXCEED 150 PSI.
6. BUTTRESS TO BE PLACED AGAINST FIRM UNDISTURBED SOIL, OR DISTURBED SOIL COMPACTED TO 95% OF MODIFIED PROCTOR DENSITY, ASTM D1557.
7. CONCRETE SHALL HAVE A MINIMUM 7-DAY COMPRESSIVE STRENGTH OF 2000 PSI.
8. ALL POURED BUTTRESSED FITTINGS SHALL BE WRAPPED IN POLYETHYLENE.
9. IN ADDITION TO BUTTRESSES, ALL JOINTS SURROUNDING TEES SHALL BE RESTRAINED WITH WEDGE ACTION RESTRAINING GLANDS.

BUTTRESS FOR TEES DETAIL

SCALE: NONE



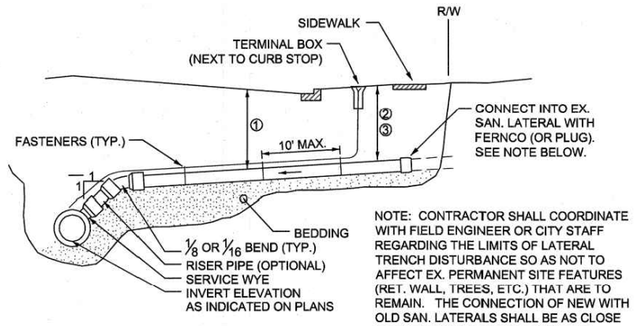
IMPERVIOUS SOIL SUMP DETAIL



PERVIOUS SOIL SUMP DETAIL

HYDRANT AND LEAD CONNECTION DETAIL

SCALE: NONE



NOTE: CONTRACTOR SHALL COORDINATE WITH FIELD ENGINEER OR CITY STAFF REGARDING THE LIMITS OF LATERAL TRENCH DISTURBANCE SO AS NOT TO AFFECT EX. PERMANENT SITE FEATURES (RET. WALL, TREES, ETC.) THAT ARE TO REMAIN. THE CONNECTION OF NEW WITH OLD SAN. LATERALS SHALL BE AS CLOSE TO THE R/W AS POSSIBLE WITHOUT CAUSING DISTURBANCE OUTSIDE OF IT.

NOTES FOR LATERAL INSTALLATION:

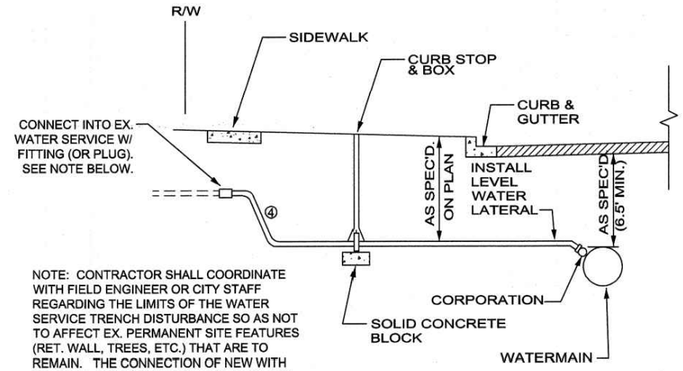
1. MININUM DEPTH OF COVER UNDER ROADWAY = 7 FEET.
2. MININUM DEPTH OF COVER UNDER GRASS AREAS = 5 1/2 FEET.
3. MININUM DEPTH OF COVER UNDER GRASS AREAS WITH FROST PROTECTION = 3 FEET 6 INCHES.
4. LATERAL SLOPES SHALL BE 1/8 INCH PER FOOT MINIMUM AND 1/2 INCH PER FOOT MAXIMUM.

NOTES FOR TRACER WIRE INSTALLATION:

1. THE TRACER WIRE SHALL REMAIN CONTINUOUS TO THE GREATEST EXTENT POSSIBLE.
2. GREEN INSULATED COPPER TRACER WIRE SHALL BE INSTALLED WITH THE NON-CONDUCTIVE SERVICE. PIPE TRACER WIRE TERMINAL BOXES SHALL BE INSTALLED DIRECTLY ABOVE THE SEWER MAIN OR AS DETERMINED BY THE ENGINEER OR OWNER.
3. TRACER WIRE SHALL BE RESTRAINED BY CABLE-TIES, TAPE, OR BY NON-CORRESIVE FASTNER APPROVED BY THE OWNER, INSTALLED EVERY 10 FEET ALONG SERVICE. DO NOT WRAP TRACER WIRE AROUND THE PIPE.
4. TRACER WIRE SHALL RUN FROM THE WYE AND TERMINATE IN A FLUSH MOUNTED TERMINAL BOX (SEE SPEC). SPLICES IN TRACER WIRE SHOULD BE MADE WITH SPLIT BOLT OR COMPRESSION-TYPE CONNECTORS. WIRE NUTS SHALL NOT BE USED. A WATER-PROOF CONNECTION IS NECESSARY TO PREVENT CORROSION.
5. TRACER WIRE SHALL BE INSTALLED ALONG ALL NEWLY INSTALLED SANITARY LATERALS (INCIDENTAL TO SANITARY LATERAL PIPING).

SANITARY SEWER LATERAL DETAIL

SCALE: NONE



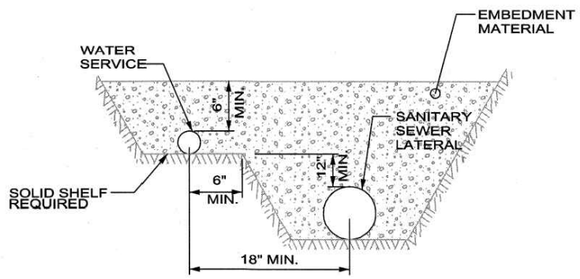
NOTE: CONTRACTOR SHALL COORDINATE WITH FIELD ENGINEER OR CITY STAFF REGARDING THE LIMITS OF THE WATER SERVICE TRENCH DISTURBANCE SO AS NOT TO AFFECT EX. PERMANENT SITE FEATURES (RET. WALL, TREES, ETC.) THAT ARE TO REMAIN. THE CONNECTION OF NEW WITH OLD WATER SERVICES SHALL BE AS CLOSE TO THE R/W AS POSSIBLE WITHOUT CAUSING DISTURBANCE OUTSIDE OF IT.

GENERAL NOTES:

1. SEE PLANS AND SPECIFICATIONS FOR LOCATION, SIZE, & TYPE OF CURB STOP, CORPORATION, AND SERVICE LINE.
2. COMMUNITY STANDARDS SHALL SUPERSEDE THIS DETAIL.
3. CONTRACTOR SHALL MAINTAIN ELECTRICAL CONTINUITY ALONG ALL PROPOSED WATER SERVICE PIPING AS PER SPECIFICATIONS (INCIDENTAL TO WATER SERVICE PIPING).
4. MAINTAIN MIN. DEPTH OF COVER ALONG THE NEW WATER SERVICE PIPING. IF THE CONNECTION POINT TO THE EX. WATER SERVICE PIPING (AT THE STREET R/W) IS AT LESS THAN THE MINIMUM DEPTH OF COVER, THEN DEFLECT THE NEW PIPING UP TO MATCH AT THE LAST POSSIBLE POINT AND INSULATE AS SPECIFIED.

WATER SERVICE DETAIL

SCALE: NONE



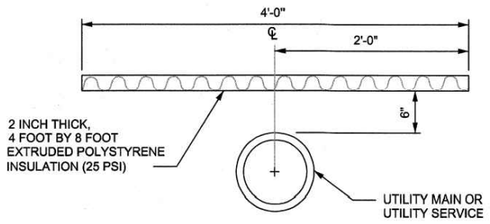
GENERAL NOTES:

1. WATER SERVICES 3 INCHES IN DIAMETER AND LARGER SHALL BE LAID WITH A CLEAR HORIZONTAL SEPERATION NOT LESS THAN 8 FEET FROM THE SANITARY LATERAL.

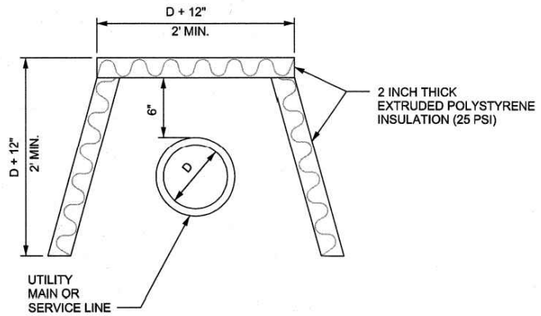
WATER SERVICE & SANITARY SEWER LATERAL DETAIL

SCALE: NONE

2



STANDARD INSTALLATION



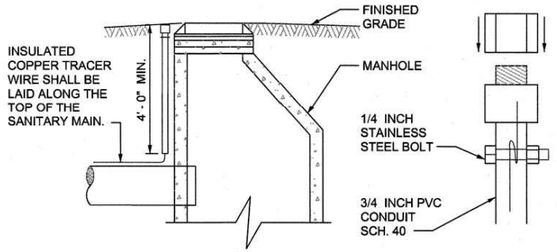
SIDE PROTECTION INSTALLATION

GENERAL NOTES:

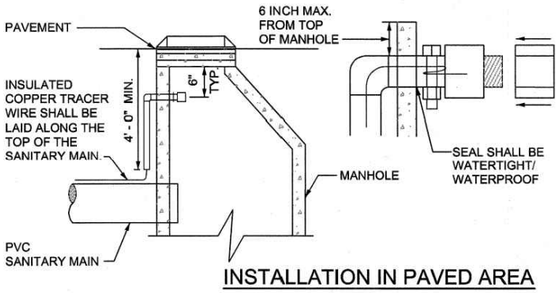
1. THE SIDE PROTECTION INSTALLATION SHALL BE USED WHERE FROST WILL PENETRATE BELOW THE PIPE INVERT.

PIPE INSULATION DETAIL

SCALE: NONE



INSTALLATION IN UNPAVED AREA



INSTALLATION IN PAVED AREA

GENERAL NOTES:

1. THE TRACER WIRE SHALL REMAIN CONTINUOUS TO THE GREATEST EXTENT POSSIBLE.
2. A THREADED, FEMALE PVC SCHEDULE 40 PLUG AND MALE COUPLING GLUED TO 3/4 INCH SCHEDULE 40 SHALL BE INSTALLED IN OR ADJACENT TO THE MANHOLE.
3. WIRE PIGTAIL SHALL BE WRAPPED AROUND BOLT AND READILY ACCESSIBLE, WITH SUFFICIENT LENGTH FOR EASY CONNECTION.
4. ALL LABOR AND MATERIALS RELATED TO THE TERMINATION OF THE TRACER WIRE AT SANITARY MANHOLES SHALL BE INCIDENTAL.

TRACER WIRE INSTALLATION AT SANITARY MANHOLE DETAIL

SCALE: NONE

NOTE: SEE STANDARD DETAIL DRAWING, CURB RAMPS TYPE 7B
FOR ADDITIONAL INFORMATION

* +/-0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE

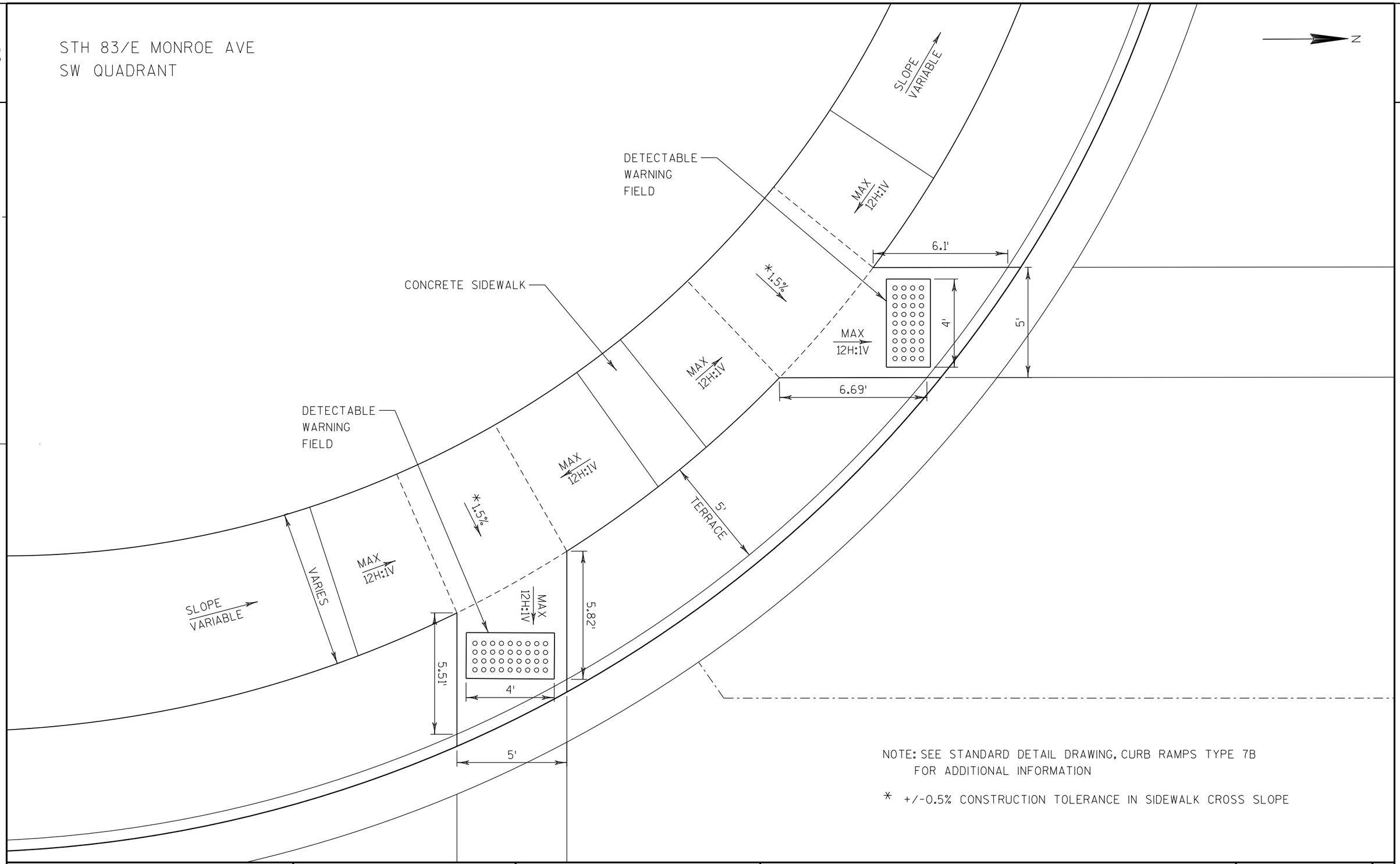
N

5'
4'
5.02'
5.1'
MAX 12H:1V
SLOPE VARIABLE
MAX 12H:1V
*1.5%
MAX 12H:1V
5'
5' TERRACE
SLOPE VARIABLE
DETECTABLE WARNING FIELD
CONCRETE SIDEWALK
MAX 12H:1V
6.31'
MAX 12H:1V
4'
5'
*1.5%
5.77'
MAX 12H:1V
DETECTABLE WARNING FIELD
SLOPE VARIABLE

STH 83/E MONROE AVE
SE QUADRANT

PROJECT NO:1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CONSTRUCTION DETAILS - CURB RAMP TYPE 7B MODIFIED	SHEET 31 E

STH 83/E MONROE AVE
SW QUADRANT



NOTE: SEE STANDARD DETAIL DRAWING, CURB RAMPS TYPE 7B FOR ADDITIONAL INFORMATION

* +/-0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE

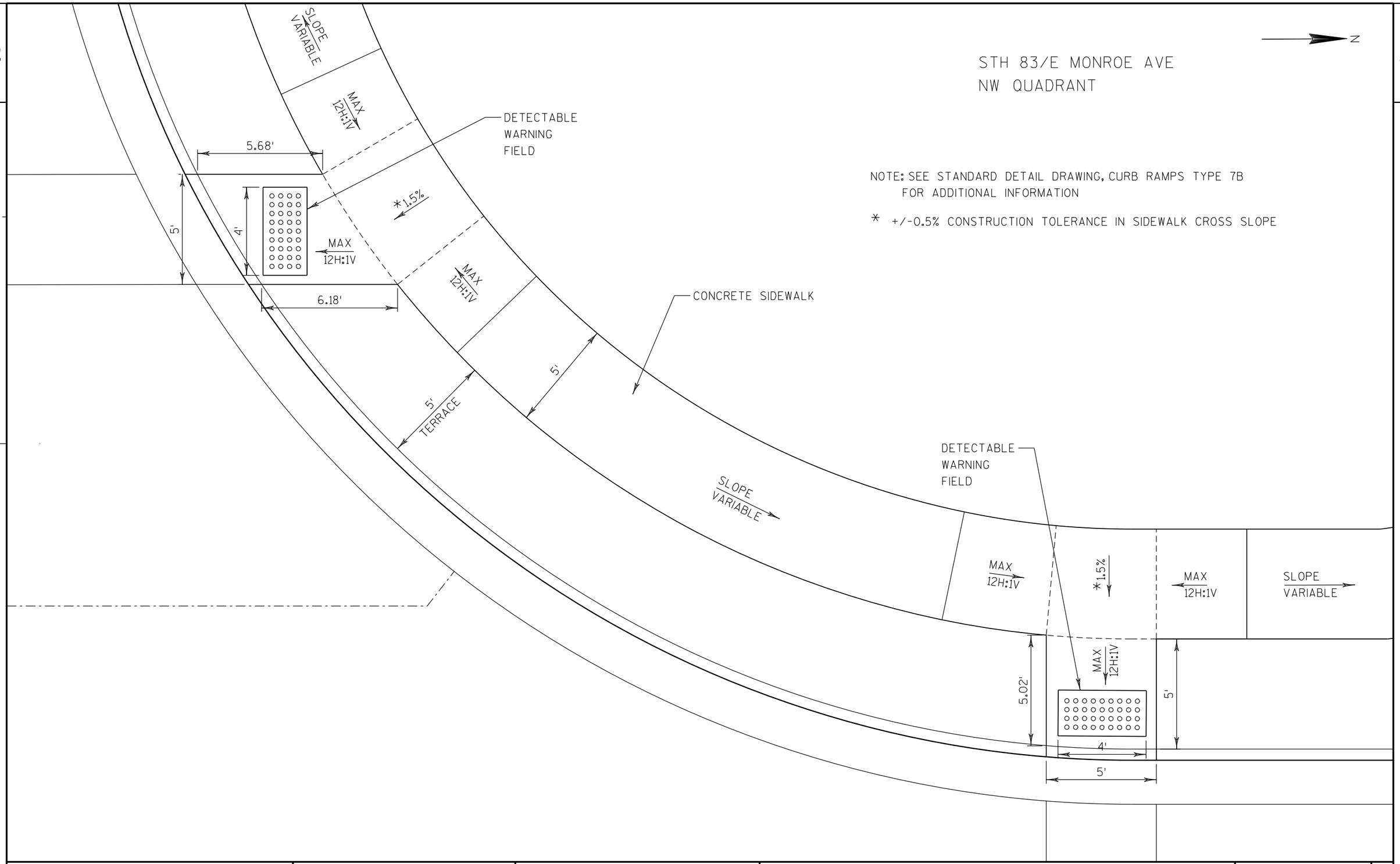
PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CONSTRUCTION DETAILS - CURB RAMP TYPE 7B MODIFIED	SHEET 32	E

STH 83/E MONROE AVE
NW QUADRANT

N

NOTE: SEE STANDARD DETAIL DRAWING, CURB RAMPS TYPE 7B FOR ADDITIONAL INFORMATION

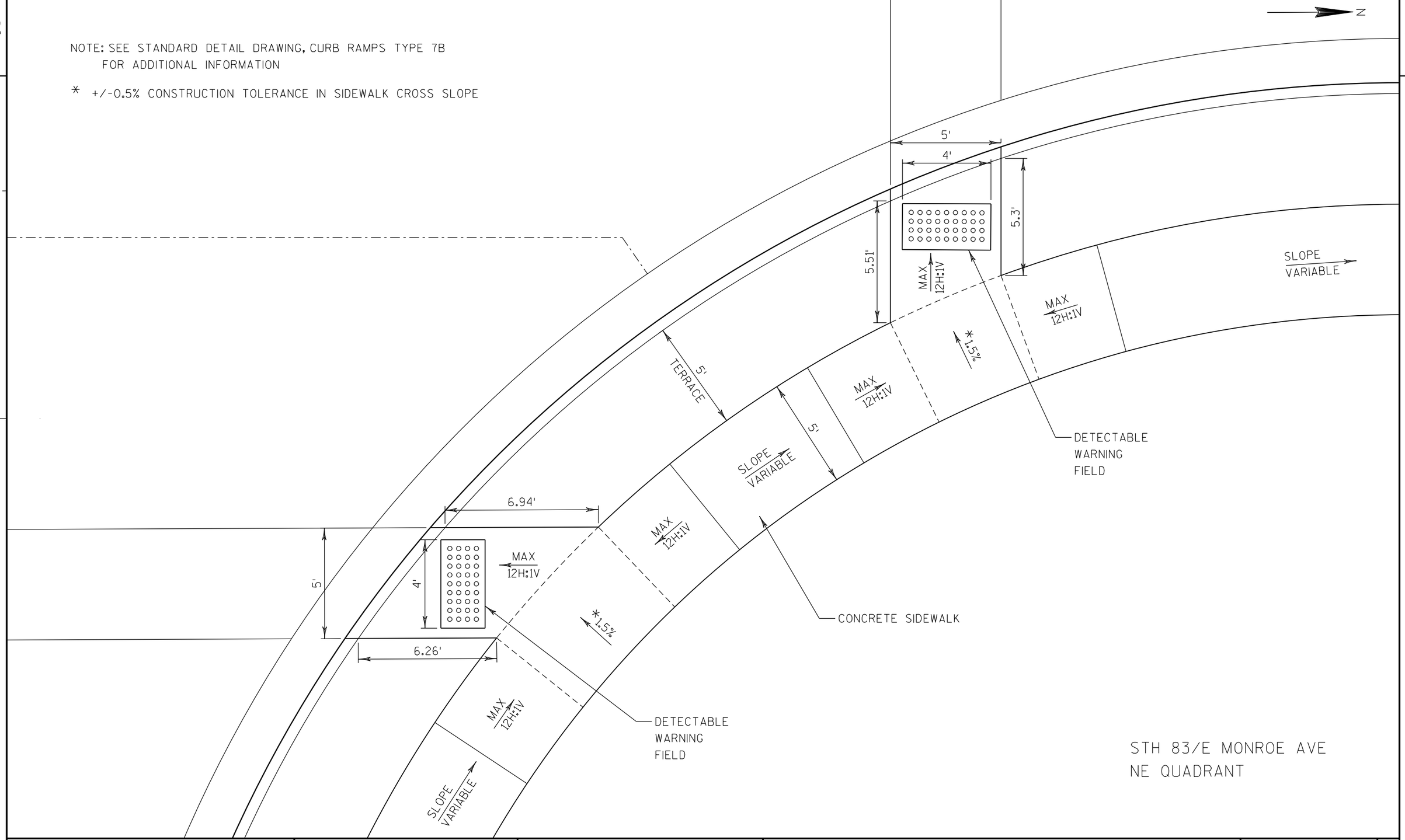
* +/-0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE



PROJECT NO:1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CONSTRUCTION DETAILS - CURB RAMP TYPE 7B MODIFIED	SHEET 33	E

NOTE: SEE STANDARD DETAIL DRAWING, CURB RAMPS TYPE 7B
FOR ADDITIONAL INFORMATION

* +/-0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE

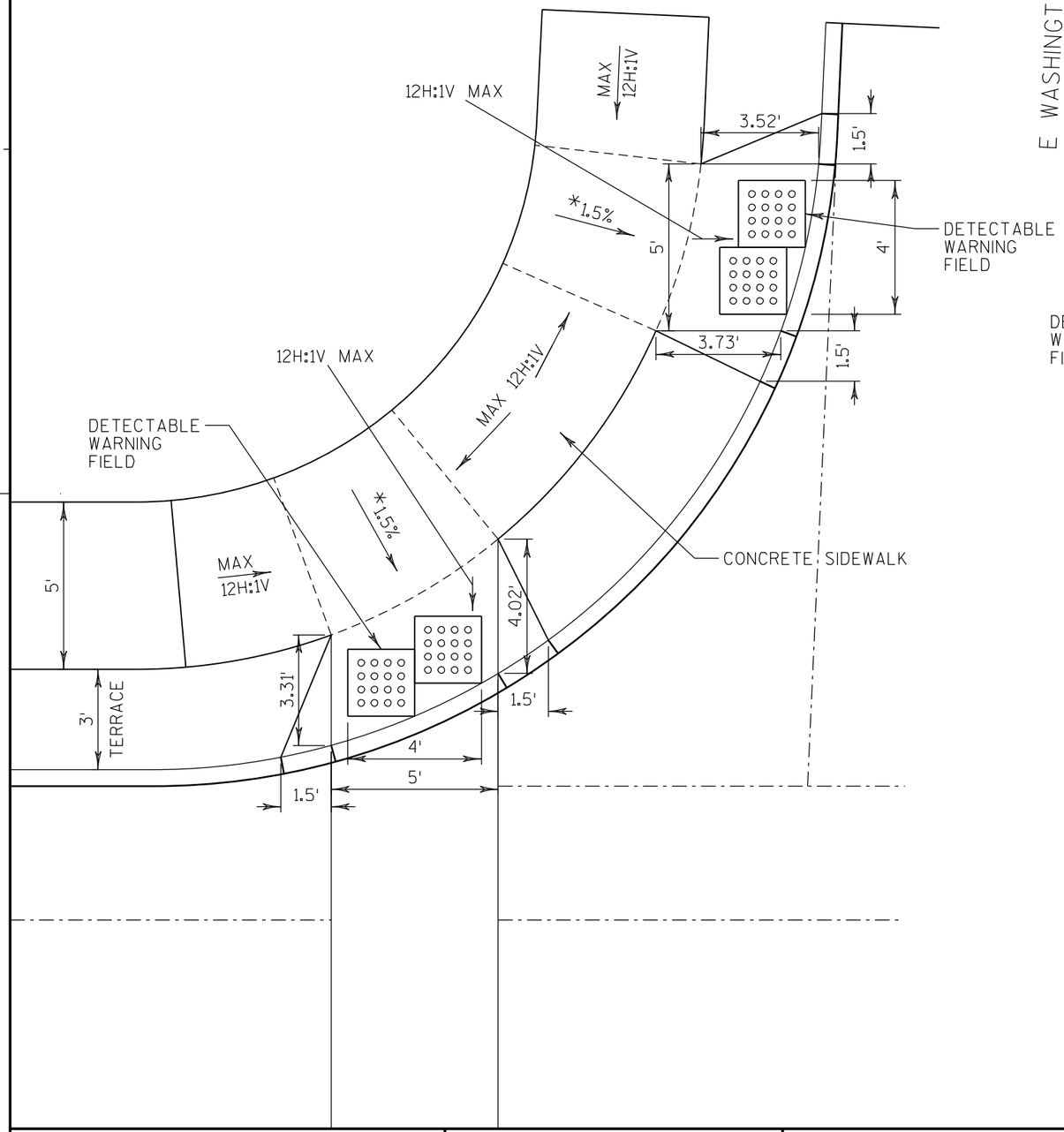


STH 83/E MONROE AVE
NE QUADRANT

PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CONSTRUCTION DETAILS - CURB RAMP TYPE 7B MODIFIED	SHEET 34	E

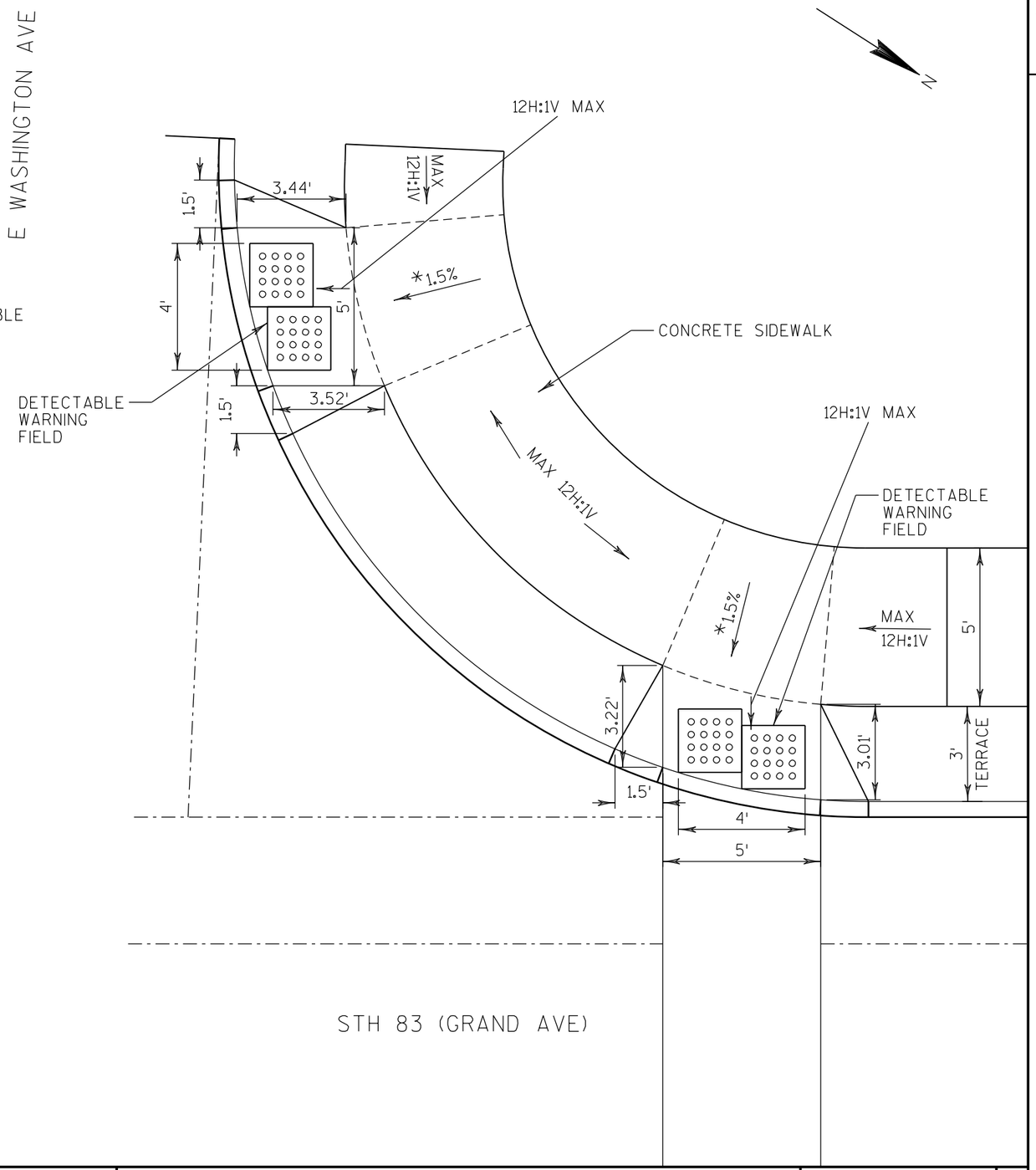
NOTE: SEE STANDARD DETAIL DRAWING, CURB RAMPS TYPE 2
FOR ADDITIONAL INFORMATION

* +/-0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE



E WASHINGTON AVE

N



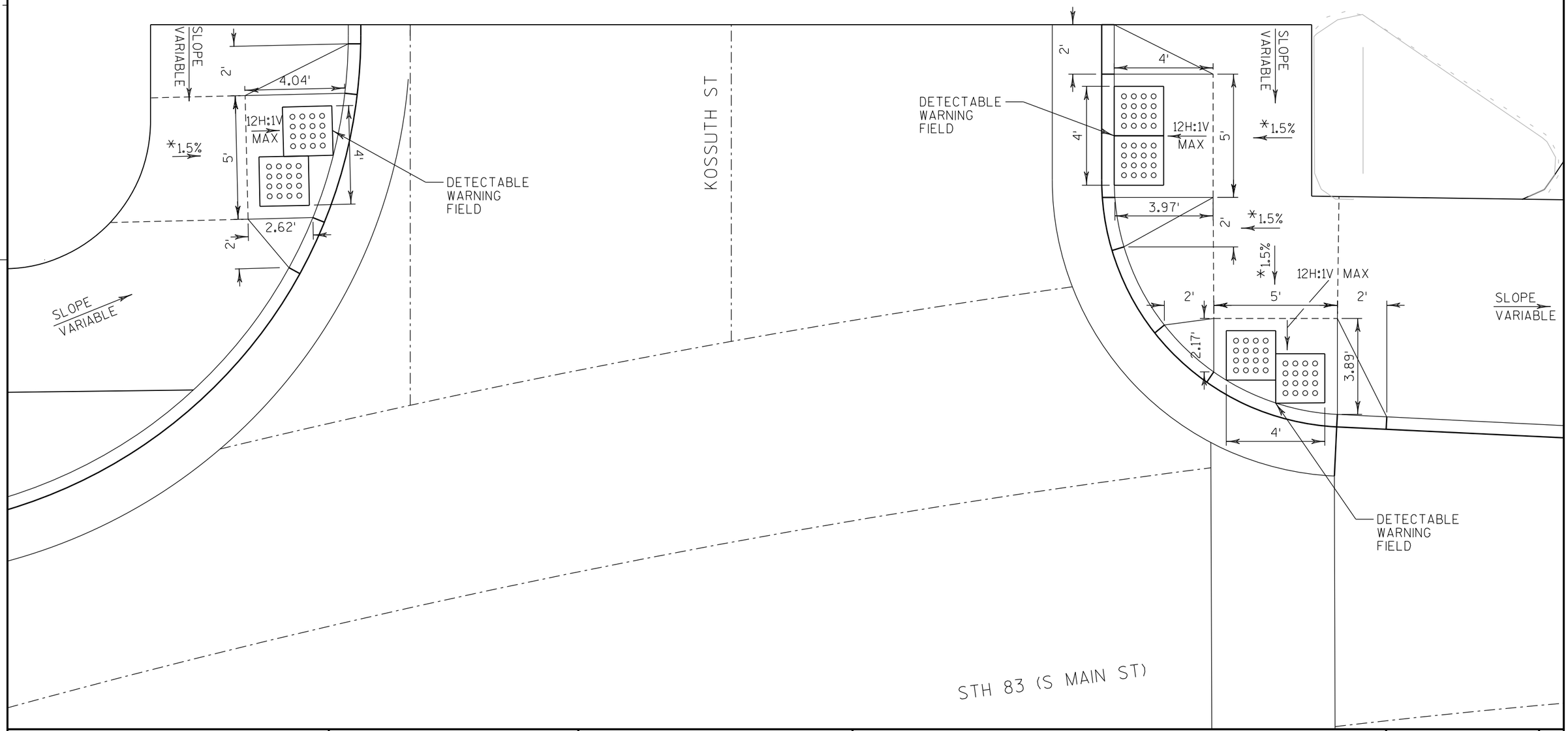
STH 83 (GRAND AVE)

PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CONSTRUCTION DETAILS - CURB RAMP TYPE 2 MODIFIED	SHEET 35	E

NOTE: SEE STANDARD DETAIL DRAWING, CURB RAMPS TYPE 2
SECTION A-A FOR ADDITIONAL INFORMATION

* +/-0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE

N

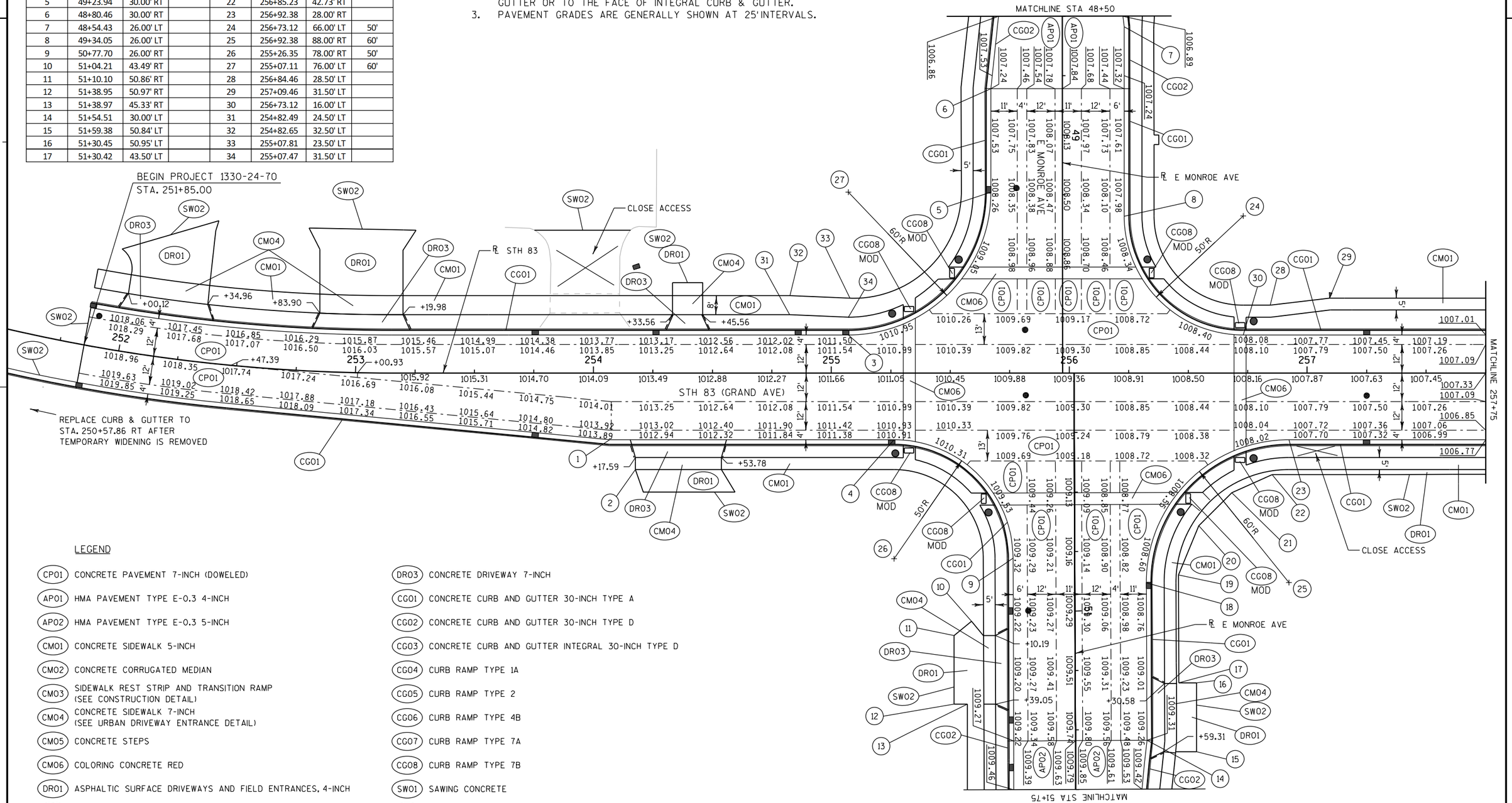


PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CONSTRUCTION DETAILS - CURB RAMP TYPE 2 MODIFIED	SHEET 36 E

DATA POINT TABLE							
POINT	STATION	OFFSET	RADIUS	POINT	STATION	OFFSET	RADIUS
1	254+06.80	28.00' RT		18	50+88.35	30.00' LT	
2	254+17.59	40.50' RT		19	50+85.08	43.50' LT	
3	255+07.11	16.00' LT		20	50+64.36	52.21' LT	
4	255+26.35	28.00' RT		21	256+68.31	50.36' RT	
5	49+23.94	30.00' RT		22	256+85.23	42.73' RT	
6	48+80.46	30.00' RT		23	256+92.38	28.00' RT	
7	48+54.43	26.00' LT		24	256+73.12	66.00' LT	50'
8	49+34.05	26.00' LT		25	256+92.38	88.00' RT	60'
9	50+77.70	26.00' RT		26	255+26.35	78.00' RT	50'
10	51+04.21	43.49' RT		27	255+07.11	76.00' LT	60'
11	51+10.10	50.86' RT		28	256+84.46	28.50' LT	
12	51+38.95	50.97' RT		29	257+09.46	31.50' LT	
13	51+38.97	45.33' RT		30	256+73.12	16.00' LT	
14	51+54.51	30.00' LT		31	254+82.49	24.50' LT	
15	51+59.38	50.84' LT		32	254+82.65	32.50' LT	
16	51+30.45	50.95' LT		33	255+07.81	23.50' LT	
17	51+30.42	43.50' LT		34	255+07.47	31.50' LT	

NOTES:

1. PAVEMENT GRADES ARE GIVEN TO FLANGE OF CURB & GUTTER OR TO THE FACE OF INTEGRAL CURB & GUTTER.
2. RADIUS AND WIDTH DIMENSIONS ARE TO THE FLANGE OF CURB & GUTTER OR TO THE FACE OF INTEGRAL CURB & GUTTER.
3. PAVEMENT GRADES ARE GENERALLY SHOWN AT 25'INTERVALS.



LEGEND

CPO1	CONCRETE PAVEMENT 7-INCH (DOWELED)	DRO3	CONCRETE DRIVEWAY 7-INCH
APO1	HMA PAVEMENT TYPE E-0.3 4-INCH	CGO1	CONCRETE CURB AND GUTTER 30-INCH TYPE A
APO2	HMA PAVEMENT TYPE E-0.3 5-INCH	CGO2	CONCRETE CURB AND GUTTER 30-INCH TYPE D
CMO1	CONCRETE SIDEWALK 5-INCH	CGO3	CONCRETE CURB AND GUTTER INTEGRAL 30-INCH TYPE D
CMO2	CONCRETE CORRUGATED MEDIAN	CGO4	CURB RAMP TYPE 1A
CMO3	SIDEWALK REST STRIP AND TRANSITION RAMP (SEE CONSTRUCTION DETAIL)	CGO5	CURB RAMP TYPE 2
CMO4	CONCRETE SIDEWALK 7-INCH (SEE URBAN DRIVEWAY ENTRANCE DETAIL)	CGO6	CURB RAMP TYPE 4B
CMO5	CONCRETE STEPS	CGO7	CURB RAMP TYPE 7A
CMO6	COLORING CONCRETE RED	CGO8	CURB RAMP TYPE 7B
DRO1	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES, 4-INCH	SWO1	SAWING CONCRETE
DRO2	AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 1¼-INCH, 6-INCH	SWO2	SAWING ASPHALT

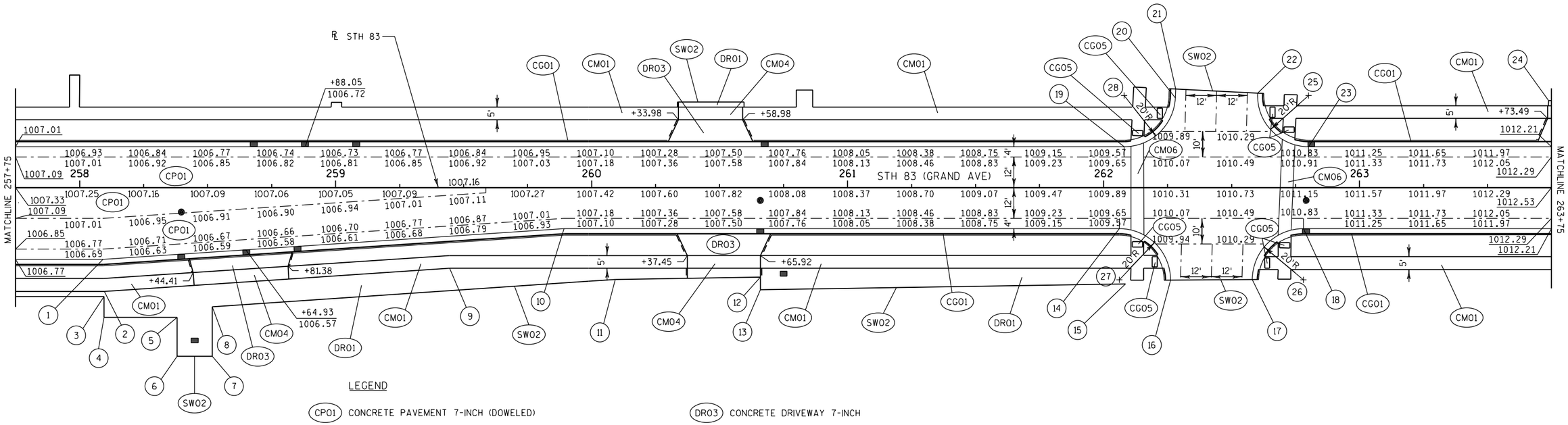
PROJECT NO:1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	PAVING DETAILS	SHEET 37	E

DATA POINT TABLE							
POINT	STATION	OFFSET	RADIUS	POINT	STATION	OFFSET	RADIUS
1	258+09.18	28.00' RT		15	262+08.63	37.66' RT	
2	258+09.59	40.50' RT		16	262+26.12	36.11' RT	
3	258+09.52	42.50' RT		17	262+58.12	35.89' RT	
4	258+09.52	50.64' RT		18	262+78.12	16.00' RT	
5	258+38.09	50.64' RT		19	262+08.04	16.00' LT	
6	258+38.09	65.93' RT		20	262+28.02	35.02' LT	
7	258+51.80	65.93' RT		21	262+28.19	38.55' LT	
8	258+51.80	46.52' RT		22	262+60.15	36.98' LT	
9	259+44.59	31.50' RT		23	262+80.13	16.00' LT	
10	259+89.18	16.00' RT		24	263+73.86	34.00' LT	
11	260+09.23	35.84' RT		25	262+80.13	36.00' LT	20'
12	260+65.92	34.95' RT		26	262+78.12	36.00' RT	20'
13	260+66.00	39.89' RT		27	262+06.12	36.00' RT	20'
14	262+06.12	16.00' RT		28	262+08.04	36.00' LT	20'

NOTES:

1. PAVEMENT GRADES ARE GIVEN TO FLANGE OF CURB & GUTTER OR TO THE FACE OF INTEGRAL CURB & GUTTER.
2. RADIUS AND WIDTH DIMENSIONS ARE TO THE FLANGE OF CURB & GUTTER OR TO THE FACE OF INTEGRAL CURB & GUTTER.
3. PAVEMENT GRADES ARE GENERALLY SHOWN AT 25' INTERVALS.

N



LEGEND

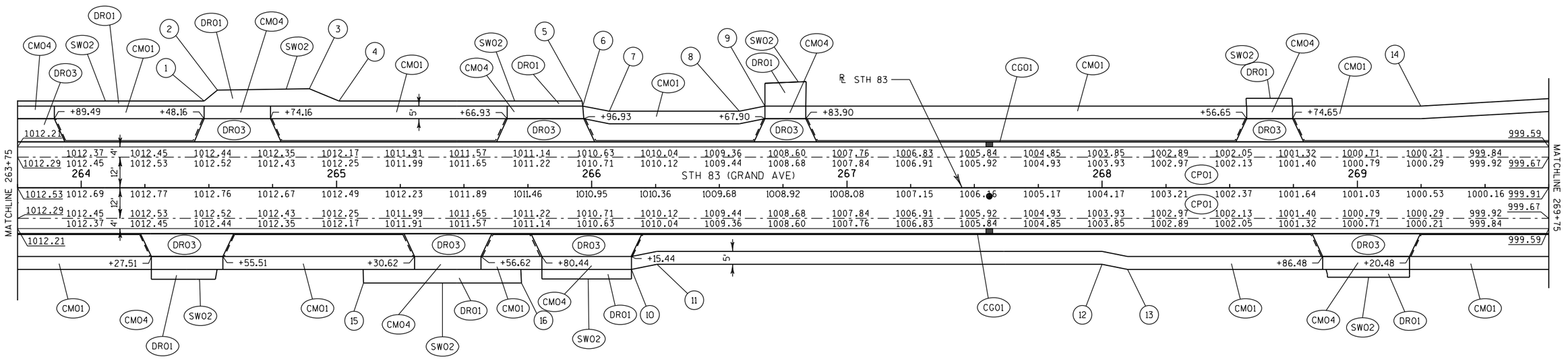
CPO1	CONCRETE PAVEMENT 7-INCH (DOWELED)	DRO3	CONCRETE DRIVEWAY 7-INCH
APO1	HMA PAVEMENT TYPE E-0.3 4-INCH	CGO1	CONCRETE CURB AND GUTTER 30-INCH TYPE A
APO2	HMA PAVEMENT TYPE E-0.3 5-INCH	CGO2	CONCRETE CURB AND GUTTER 30-INCH TYPE D
CMO1	CONCRETE SIDEWALK 5-INCH	CGO3	CONCRETE CURB AND GUTTER INTEGRAL 30-INCH TYPE D
CMO2	CONCRETE CORRUGATED MEDIAN	CGO4	CURB RAMP TYPE 1A
CMO3	SIDEWALK REST STRIP AND TRANSITION RAMP (SEE CONSTRUCTION DETAIL)	CGO5	CURB RAMP TYPE 2
CMO4	CONCRETE SIDEWALK 7-INCH (SEE URBAN DRIVEWAY ENTRANCE DETAIL)	CGO6	CURB RAMP TYPE 4B
CMO5	CONCRETE STEPS	CGO7	CURB RAMP TYPE 7A
CMO6	COLORING CONCRETE RED	CGO8	CURB RAMP TYPE 7B
DRO1	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES, 4-INCH	SWO1	SAWING CONCRETE
DRO2	AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 1¼-INCH, 6-INCH	SWO2	SAWING ASPHALT

PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	PAVING DETAILS	SHEET 38	E

DATA POINT TABLE			
POINT	STATION	OFFSET	RADIUS
1	264+48.16	34.00' LT	
2	264+53.43	38.29' LT	
3	264+89.33	38.86' LT	
4	265+00.99	34.00' LT	
5	265+96.29	34.00' LT	
6	265+96.47	32.00' LT	
7	266+06.89	30.00' LT	
8	266+57.90	30.00' LT	
9	266+67.90	32.00' LT	
10	266+15.56	32.00' RT	
11	266+25.56	30.00' RT	
12	268+00.00	30.00' RT	
13	268+10.00	32.00' RT	
14	269+24.86	32.00' LT	
15	265+10.59	37.41' RT	
16	265+72.44	37.41' RT	

NOTES:

1. PAVEMENT GRADES ARE GIVEN TO FLANGE OF CURB & GUTTER OR TO THE FACE OF INTEGRAL CURB & GUTTER.
2. RADIUS AND WIDTH DIMENSIONS ARE TO THE FLANGE OF CURB & GUTTER OR TO THE FACE OF INTEGRAL CURB & GUTTER.
3. PAVEMENT GRADES ARE GENERALLY SHOWN AT 25'INTERVALS.



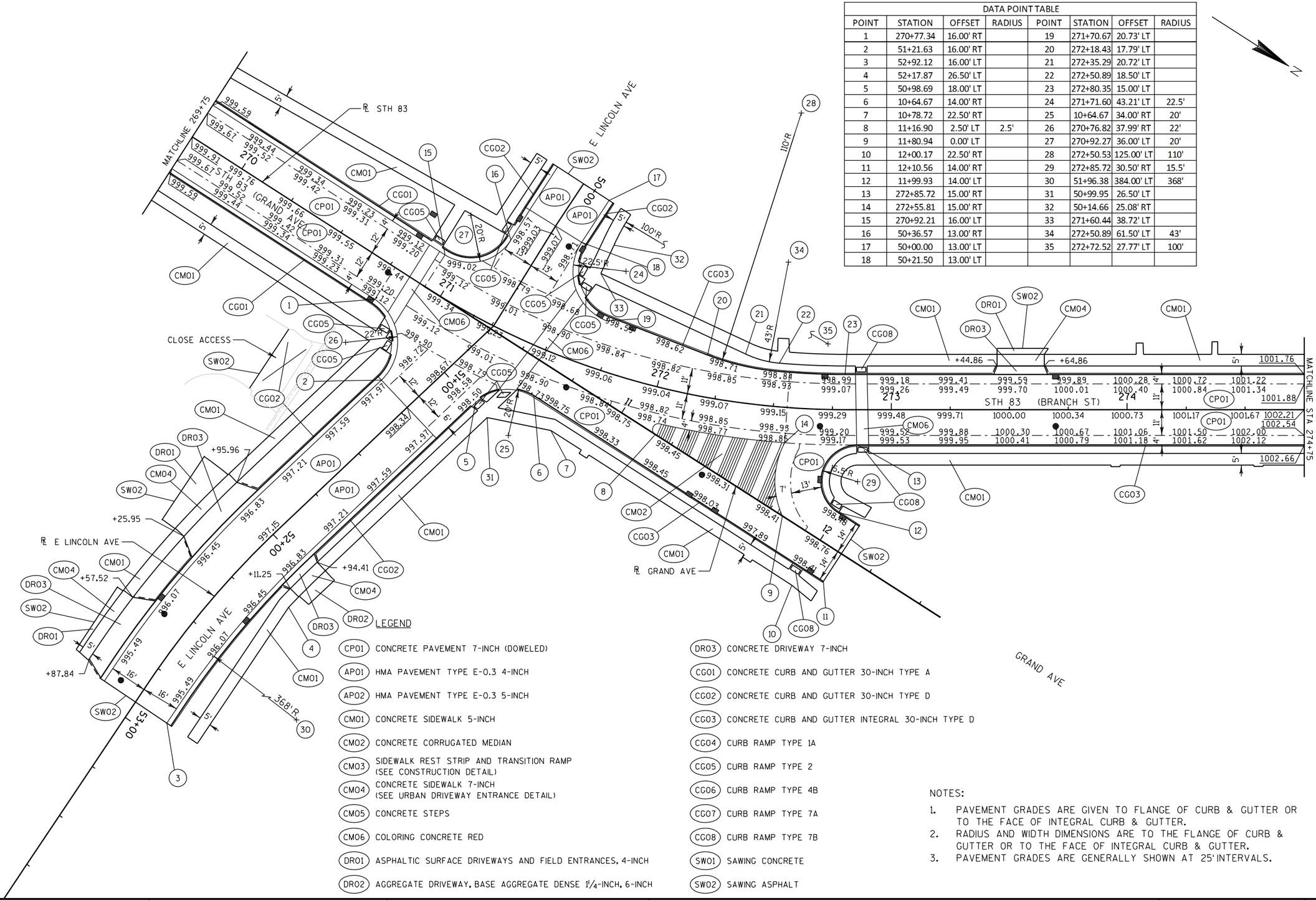
LEGEND

CP01	CONCRETE PAVEMENT 7-INCH (DOWELED)	DR03	CONCRETE DRIVEWAY 7-INCH
AP01	HMA PAVEMENT TYPE E-0.3 4-INCH	CG01	CONCRETE CURB AND GUTTER 30-INCH TYPE A
AP02	HMA PAVEMENT TYPE E-0.3 5-INCH	CG02	CONCRETE CURB AND GUTTER 30-INCH TYPE D
CM01	CONCRETE SIDEWALK 5-INCH	CG03	CONCRETE CURB AND GUTTER INTEGRAL 30-INCH TYPE D
CM02	CONCRETE CORRUGATED MEDIAN	CG04	CURB RAMP TYPE 1A
CM03	SIDEWALK REST STRIP AND TRANSITION RAMP (SEE CONSTRUCTION DETAIL)	CG05	CURB RAMP TYPE 2
CM04	CONCRETE SIDEWALK 7-INCH (SEE URBAN DRIVEWAY ENTRANCE DETAIL)	CG06	CURB RAMP TYPE 4B
CM05	CONCRETE STEPS	CG07	CURB RAMP TYPE 7A
CM06	COLORING CONCRETE RED	CG08	CURB RAMP TYPE 7B
DR01	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES, 4-INCH	SW01	SAWING CONCRETE
DR02	AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 1¼-INCH, 6-INCH	SW02	SAWING ASPHALT

PROJECT NO:1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	PAVING DETAILS	SHEET 39	E

2

DATA POINT TABLE							
POINT	STATION	OFFSET	RADIUS	POINT	STATION	OFFSET	RADIUS
1	270+77.34	16.00' RT		19	271+70.67	20.73' LT	
2	51+21.63	16.00' RT		20	272+18.43	17.79' LT	
3	52+92.12	16.00' LT		21	272+35.29	20.72' LT	
4	52+17.87	26.50' LT		22	272+50.89	18.50' LT	
5	50+98.69	18.00' LT		23	272+80.35	15.00' LT	
6	10+64.67	14.00' RT		24	271+71.60	43.21' LT	22.5'
7	10+78.72	22.50' RT		25	10+64.67	34.00' RT	20'
8	11+16.90	2.50' LT	2.5'	26	270+76.82	37.99' RT	22'
9	11+80.94	0.00' LT		27	270+92.27	36.00' LT	20'
10	12+00.17	22.50' RT		28	272+50.53	125.00' LT	110'
11	12+10.56	14.00' RT		29	272+85.72	30.50' RT	15.5'
12	11+99.93	14.00' LT		30	51+96.38	384.00' LT	368'
13	272+85.72	15.00' RT		31	50+99.95	26.50' LT	
14	272+55.81	15.00' RT		32	50+14.66	25.08' RT	
15	270+92.21	16.00' LT		33	271+60.44	38.72' LT	
16	50+36.57	13.00' RT		34	272+50.89	61.50' LT	43'
17	50+00.00	13.00' LT		35	272+72.52	27.77' LT	100'
18	50+21.50	13.00' LT					



LEGEND

CPO1	CONCRETE PAVEMENT 7-INCH (DOWELED)
APO1	HMA PAVEMENT TYPE E-0.3 4-INCH
APO2	HMA PAVEMENT TYPE E-0.3 5-INCH
CMO1	CONCRETE SIDEWALK 5-INCH
CMO2	CONCRETE CORRUGATED MEDIAN
CMO3	SIDEWALK REST STRIP AND TRANSITION RAMP (SEE CONSTRUCTION DETAIL)
CMO4	CONCRETE SIDEWALK 7-INCH (SEE URBAN DRIVEWAY ENTRANCE DETAIL)
CMO5	CONCRETE STEPS
CMO6	COLORING CONCRETE RED
DRO1	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES, 4-INCH
DRO2	AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 1¼-INCH, 6-INCH
DRO3	CONCRETE DRIVEWAY 7-INCH
CGO1	CONCRETE CURB AND GUTTER 30-INCH TYPE A
CGO2	CONCRETE CURB AND GUTTER 30-INCH TYPE D
CGO3	CONCRETE CURB AND GUTTER INTEGRAL 30-INCH TYPE D
CGO4	CURB RAMP TYPE 1A
CGO5	CURB RAMP TYPE 2
CGO6	CURB RAMP TYPE 4B
CGO7	CURB RAMP TYPE 7A
CGO8	CURB RAMP TYPE 7B
SWO1	SAWING CONCRETE
SWO2	SAWING ASPHALT

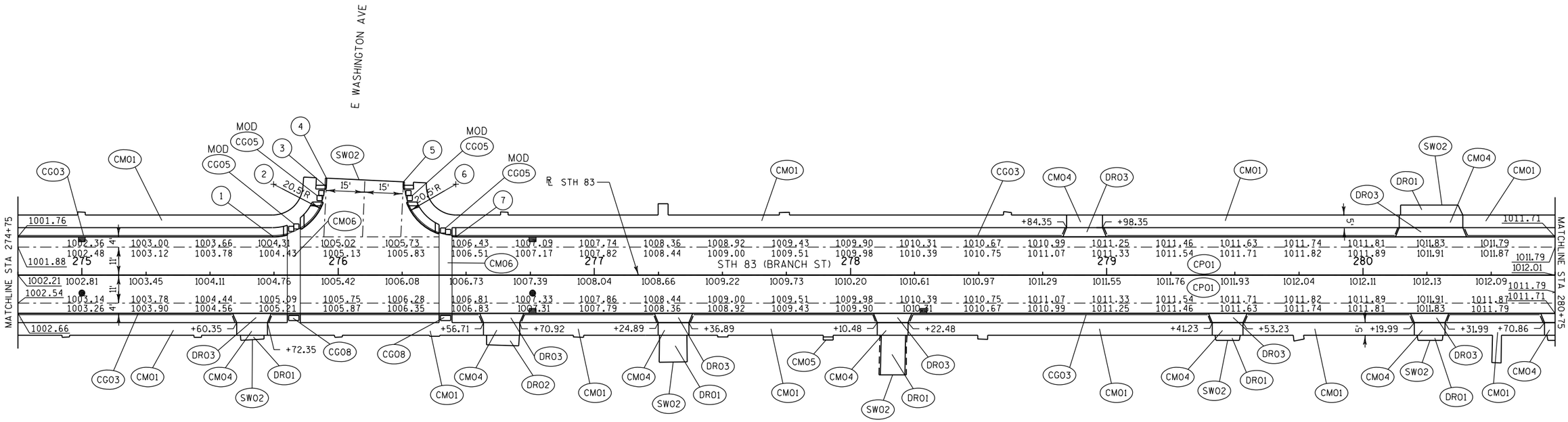
NOTES:

1. PAVEMENT GRADES ARE GIVEN TO FLANGE OF CURB & GUTTER OR TO THE FACE OF INTEGRAL CURB & GUTTER.
2. RADIUS AND WIDTH DIMENSIONS ARE TO THE FLANGE OF CURB & GUTTER OR TO THE FACE OF INTEGRAL CURB & GUTTER.
3. PAVEMENT GRADES ARE GENERALLY SHOWN AT 25' INTERVALS.

PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	PAVING DETAILS	SHEET 40	E

NOTES:

1. PAVEMENT GRADES ARE GIVEN TO FLANGE OF CURB & GUTTER OR TO THE FACE OF INTEGRAL CURB & GUTTER.
2. RADIUS AND WIDTH DIMENSIONS ARE TO THE FLANGE OF CURB & GUTTER OR TO THE FACE OF INTEGRAL CURB & GUTTER.
3. PAVEMENT GRADES ARE GENERALLY SHOWN AT 25'INTERVALS.



DATA POINT TABLE			
POINT	STATION	OFFSET	RADIUS
1	275+74.86	15.00' LT	
2	275+74.86	35.50' LT	20.5'
3	275+95.34	34.56' LT	
4	275+95.49	37.82' LT	
5	276+25.45	36.44' LT	
6	276+45.93	35.50' LT	20.5'
7	276+45.93	15.00' LT	

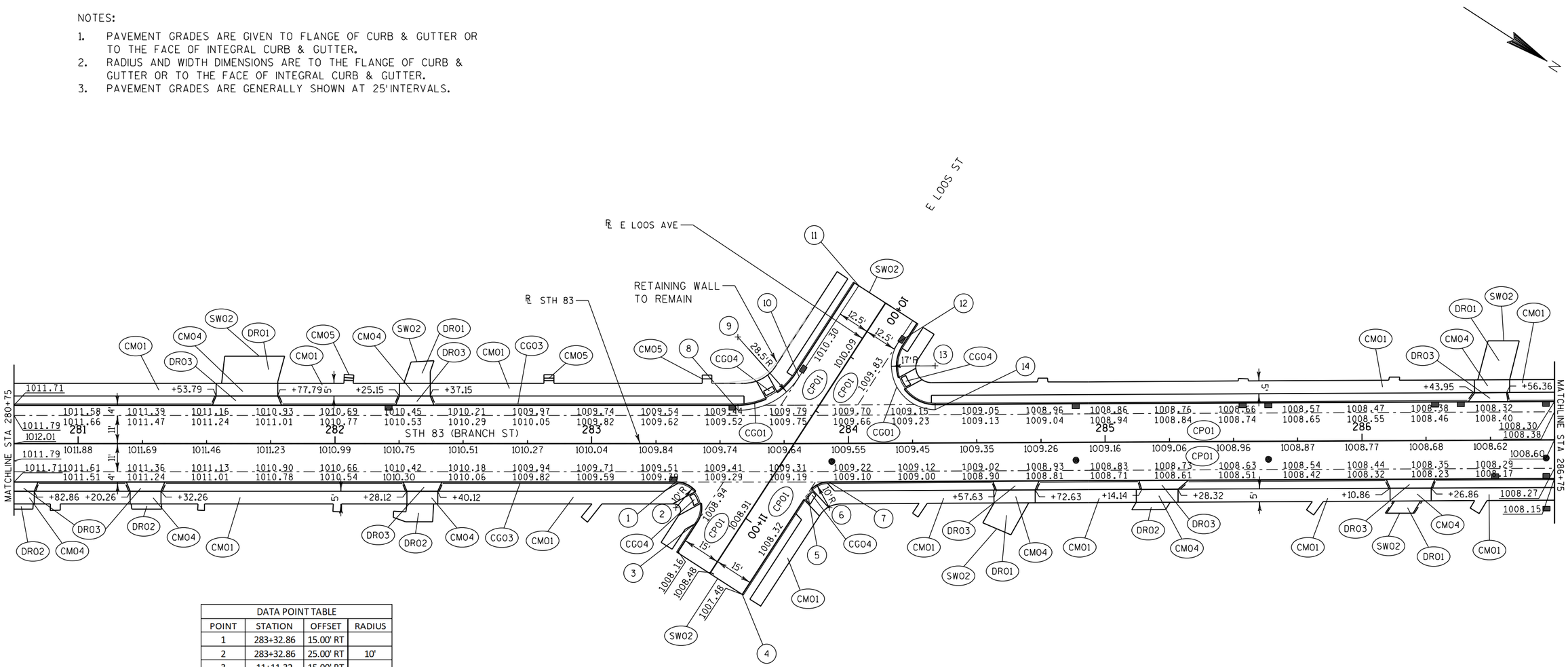
LEGEND

CPO1	CONCRETE PAVEMENT 7-INCH (DOWELED)	DRO3	CONCRETE DRIVEWAY 7-INCH
APO1	HMA PAVEMENT TYPE E-0.3 4-INCH	CGO1	CONCRETE CURB AND GUTTER 30-INCH TYPE A
APO2	HMA PAVEMENT TYPE E-0.3 5-INCH	CGO2	CONCRETE CURB AND GUTTER 30-INCH TYPE D
CM01	CONCRETE SIDEWALK 5-INCH	CGO3	CONCRETE CURB AND GUTTER INTEGRAL 30-INCH TYPE D
CM02	CONCRETE CORRUGATED MEDIAN	CGO4	CURB RAMP TYPE 1A
CM03	SIDEWALK REST STRIP AND TRANSITION RAMP (SEE CONSTRUCTION DETAIL)	CGO5	CURB RAMP TYPE 2
CM04	CONCRETE SIDEWALK 7-INCH (SEE URBAN DRIVEWAY ENTRANCE DETAIL)	CGO6	CURB RAMP TYPE 4B
CM05	CONCRETE STEPS	CGO7	CURB RAMP TYPE 7A
CM06	COLORING CONCRETE RED	CGO8	CURB RAMP TYPE 7B
DRO1	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES, 4-INCH	SW01	SAWING CONCRETE
DRO2	AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 1¼-INCH, 6-INCH	SW02	SAWING ASPHALT

PROJECT NO:1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	PAVING DETAILS	SHEET 41	E

NOTES:

1. PAVEMENT GRADES ARE GIVEN TO FLANGE OF CURB & GUTTER OR TO THE FACE OF INTEGRAL CURB & GUTTER.
2. RADIUS AND WIDTH DIMENSIONS ARE TO THE FLANGE OF CURB & GUTTER OR TO THE FACE OF INTEGRAL CURB & GUTTER.
3. PAVEMENT GRADES ARE GENERALLY SHOWN AT 25'INTERVALS.



DATA POINT TABLE			
POINT	STATION	OFFSET	RADIUS
1	283+32.86	15.00' RT	
2	283+32.86	25.00' RT	10'
3	11+11.32	15.00' RT	
4	11+25.51	15.00' LT	
5	10+78.75	15.00' LT	
6	283+92.40	25.00' LT	10'
7	283+92.40	15.00' RT	
8	283+57.08	13.00' LT	
9	283+56.98	41.50' LT	28.5'
10	10+42.41	12.50' RT	
11	10+00.00	12.50' RT	
12	10+10.00	12.50' LT	
13	284+33.91	30.00' LT	17'
14	284+33.85	13.00' LT	

LEGEND

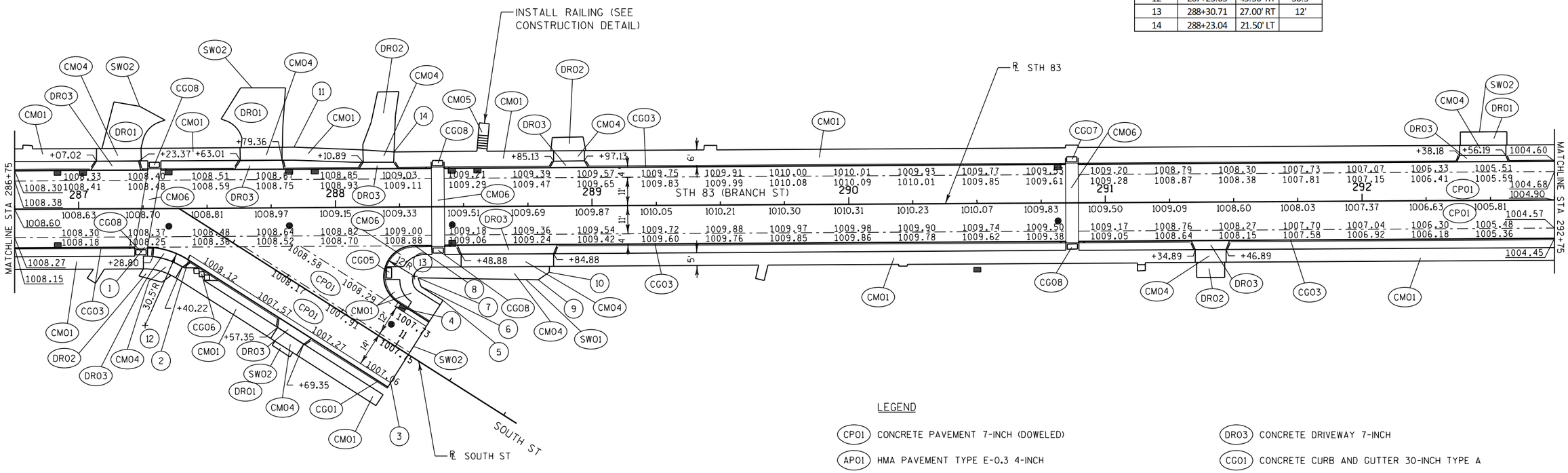
CP01	CONCRETE PAVEMENT 7-INCH (DOWELED)	DR03	CONCRETE DRIVEWAY 7-INCH
AP01	HMA PAVEMENT TYPE E-0.3 4-INCH	CG01	CONCRETE CURB AND GUTTER 30-INCH TYPE A
AP02	HMA PAVEMENT TYPE E-0.3 5-INCH	CG02	CONCRETE CURB AND GUTTER 30-INCH TYPE D
CM01	CONCRETE SIDEWALK 5-INCH	CG03	CONCRETE CURB AND GUTTER INTEGRAL 30-INCH TYPE D
CM02	CONCRETE CORRUGATED MEDIAN	CG04	CURB RAMP TYPE 1A
CM03	SIDEWALK REST STRIP AND TRANSITION RAMP (SEE CONSTRUCTION DETAIL)	CG05	CURB RAMP TYPE 2
CM04	CONCRETE SIDEWALK 7-INCH (SEE URBAN DRIVEWAY ENTRANCE DETAIL)	CG06	CURB RAMP TYPE 4B
CM05	CONCRETE STEPS	CG07	CURB RAMP TYPE 7A
CM06	COLORING CONCRETE RED	CG08	CURB RAMP TYPE 7B
DR01	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES, 4-INCH	SW01	SAWING CONCRETE
DR02	AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 1¼-INCH, 6-INCH	SW02	SAWING ASPHALT

PROJECT NO:1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	PAVING DETAILS	SHEET 42	E

NOTES:

1. PAVEMENT GRADES ARE GIVEN TO FLANGE OF CURB & GUTTER OR TO THE FACE OF INTEGRAL CURB & GUTTER.
2. RADIUS AND WIDTH DIMENSIONS ARE TO THE FLANGE OF CURB & GUTTER OR TO THE FACE OF INTEGRAL CURB & GUTTER.
3. PAVEMENT GRADES ARE GENERALLY SHOWN AT 25' INTERVALS.

DATA POINT TABLE			
POINT	STATION	OFFSET	RADIUS
1	287+25.65	15.00' RT	
2	10+13.37	13.00' RT	
3	11+06.00	13.00' RT	
4	10+91.70	13.00' LT	
5	11+06.00	25.00' LT	
6	288+33.26	31.02' RT	
7	288+31.99	27.61' RT	
8	288+30.71	15.00' RT	
9	288+78.86	28.69' RT	
10	288+83.14	25.79' RT	
11	287+84.00	23.50' LT	
12	287+25.65	45.50' RT	30.5'
13	288+30.71	27.00' RT	12'
14	288+23.04	21.50' LT	



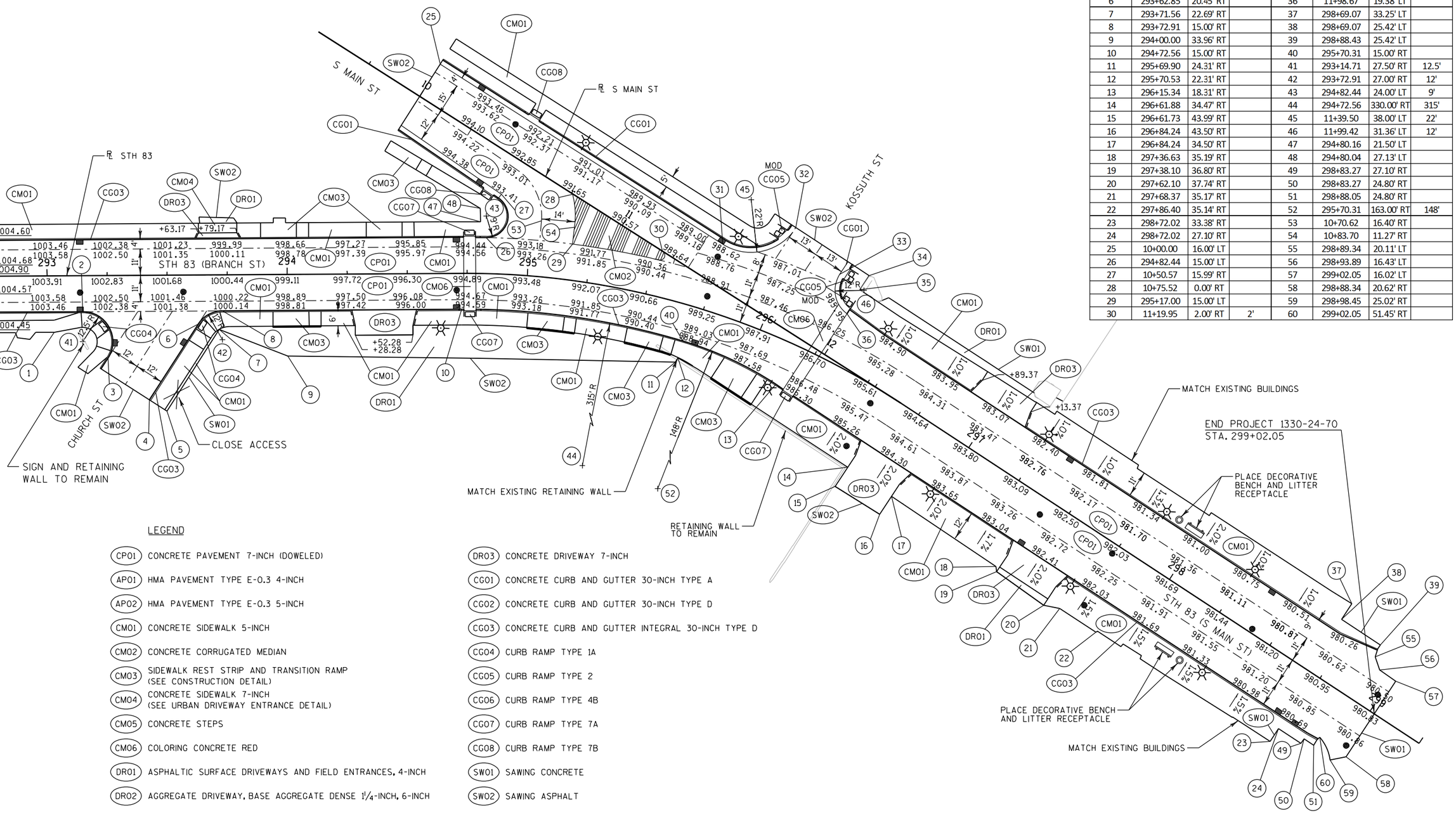
LEGEND

CPO1	CONCRETE PAVEMENT 7-INCH (DOWELED)	DRO3	CONCRETE DRIVEWAY 7-INCH
APO1	HMA PAVEMENT TYPE E-0.3 4-INCH	CGO1	CONCRETE CURB AND GUTTER 30-INCH TYPE A
APO2	HMA PAVEMENT TYPE E-0.3 5-INCH	CGO2	CONCRETE CURB AND GUTTER 30-INCH TYPE D
CMO1	CONCRETE SIDEWALK 5-INCH	CGO3	CONCRETE CURB AND GUTTER INTEGRAL 30-INCH TYPE D
CMO2	CONCRETE CORRUGATED MEDIAN	CGO4	CURB RAMP TYPE 1A
CMO3	SIDEWALK REST STRIP AND TRANSITION RAMP (SEE CONSTRUCTION DETAIL)	CGO5	CURB RAMP TYPE 2
CMO4	CONCRETE SIDEWALK 7-INCH (SEE URBAN DRIVEWAY ENTRANCE DETAIL)	CGO6	CURB RAMP TYPE 4B
CMO5	CONCRETE STEPS	CGO7	CURB RAMP TYPE 7A
CMO6	COLORING CONCRETE RED	CGO8	CURB RAMP TYPE 7B
DRO1	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES, 4-INCH	SWO1	SAWING CONCRETE
DRO2	AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 1¼-INCH, 6-INCH	SWO2	SAWING ASPHALT

PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	PAVING DETAILS	SHEET 43	E

NOTES:

1. PAVEMENT GRADES ARE GIVEN TO FLANGE OF CURB & GUTTER OR TO THE FACE OF INTEGRAL CURB & GUTTER.
2. RADIUS AND WIDTH DIMENSIONS ARE TO THE FLANGE OF CURB & GUTTER OR TO THE FACE OF INTEGRAL CURB & GUTTER.
3. PAVEMENT GRADES ARE GENERALLY SHOWN AT 25' INTERVALS.



DATA POINT TABLE							
POINT	STATION	OFFSET	RADIUS	POINT	STATION	OFFSET	RADIUS
1	293+02.87	23.50' RT		31	11+39.50	16.00' LT	
2	293+14.71	15.00' RT		32	11+61.50	38.16' LT	
3	293+25.19	34.32' RT		33	11+87.42	31.52' LT	
4	293+42.35	51.94' RT		34	11+98.00	37.67' LT	
5	293+49.55	56.63' RT		35	11+97.91	30.72' LT	
6	293+62.85	20.45' RT		36	11+98.67	19.38' LT	
7	293+71.56	22.69' RT		37	298+69.07	33.25' LT	
8	293+72.91	15.00' RT		38	298+69.07	25.42' LT	
9	294+00.00	33.96' RT		39	298+88.43	25.42' LT	
10	294+72.56	15.00' RT		40	295+70.31	15.00' RT	
11	295+69.90	24.31' RT		41	293+14.71	27.50' RT	12.5'
12	295+70.53	22.31' RT		42	293+72.91	27.00' RT	12'
13	296+15.34	18.31' RT		43	294+82.44	24.00' LT	9'
14	296+61.88	34.47' RT		44	294+72.56	330.00' RT	315'
15	296+61.73	43.99' RT		45	11+39.50	38.00' LT	22'
16	296+84.24	43.50' RT		46	11+99.42	31.36' LT	12'
17	296+84.24	34.50' RT		47	294+80.16	21.50' LT	
18	297+36.63	35.19' RT		48	294+80.04	27.13' LT	
19	297+38.10	36.80' RT		49	298+83.27	27.10' RT	
20	297+62.10	37.74' RT		50	298+83.27	24.80' RT	
21	297+68.37	35.17' RT		51	298+88.05	24.80' RT	
22	297+86.40	35.14' RT		52	295+70.31	163.00' RT	148'
23	298+72.02	33.38' RT		53	10+70.62	16.40' RT	
24	298+72.02	27.10' RT		54	10+83.70	11.27' RT	
25	10+00.00	16.00' LT		55	298+89.34	20.11' LT	
26	294+82.44	15.00' LT		56	298+93.89	16.43' LT	
27	10+50.57	15.99' RT		57	299+02.05	16.02' LT	
28	10+75.52	0.00' RT		58	298+88.34	20.62' RT	
29	295+17.00	15.00' LT		59	298+98.45	25.02' RT	
30	11+19.95	2.00' RT	2'	60	299+02.05	51.45' RT	

LEGEND

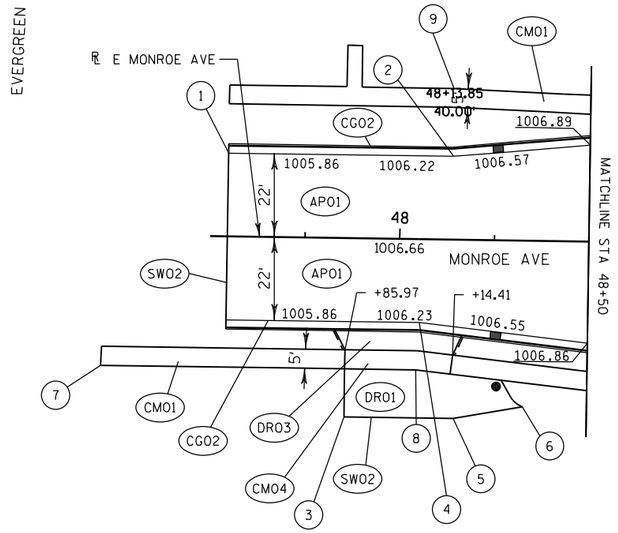
CP01	CONCRETE PAVEMENT 7-INCH (DOWELED)
AP01	HMA PAVEMENT TYPE E-0.3 4-INCH
AP02	HMA PAVEMENT TYPE E-0.3 5-INCH
CM01	CONCRETE SIDEWALK 5-INCH
CM02	CONCRETE CORRUGATED MEDIAN
CM03	SIDEWALK REST STRIP AND TRANSITION RAMP (SEE CONSTRUCTION DETAIL)
CM04	CONCRETE SIDEWALK 7-INCH (SEE URBAN DRIVEWAY ENTRANCE DETAIL)
CM05	CONCRETE STEPS
CM06	COLORING CONCRETE RED
DR01	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES, 4-INCH
DR02	AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 1¼-INCH, 6-INCH
DR03	CONCRETE DRIVEWAY 7-INCH
CG01	CONCRETE CURB AND GUTTER 30-INCH TYPE A
CG02	CONCRETE CURB AND GUTTER 30-INCH TYPE D
CG03	CONCRETE CURB AND GUTTER INTEGRAL 30-INCH TYPE D
CG04	CURB RAMP TYPE 1A
CG05	CURB RAMP TYPE 2
CG06	CURB RAMP TYPE 4B
CG07	CURB RAMP TYPE 7A
CG08	CURB RAMP TYPE 7B
SW01	SAWING CONCRETE
SW02	SAWING ASPHALT

PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	PAVING DETAILS	SHEET 44	E

NOTES:

1. PAVEMENT GRADES ARE GIVEN TO FLANGE OF CURB & GUTTER OR TO THE FACE OF INTEGRAL CURB & GUTTER.
2. RADIUS AND WIDTH DIMENSIONS ARE TO THE FLANGE OF CURB & GUTTER OR TO THE FACE OF INTEGRAL CURB & GUTTER.
3. PAVEMENT GRADES ARE GENERALLY SHOWN AT 25'INTERVALS.

DATA POINT TABLE			
POINT	STATION	OFFSET	RADIUS
1	47+54.47	22.00' LT	
2	48+13.88	22.00' LT	
3	47+85.97	47.22' RT	
4	48+05.45	22.00' RT	
5	48+14.81	47.23' RT	
6	48+33.02	43.81' RT	
7	47+22.00	34.50' RT	
8	48+04.79	34.50' RT	
9	48+13.85	40.00' LT	



LEGEND

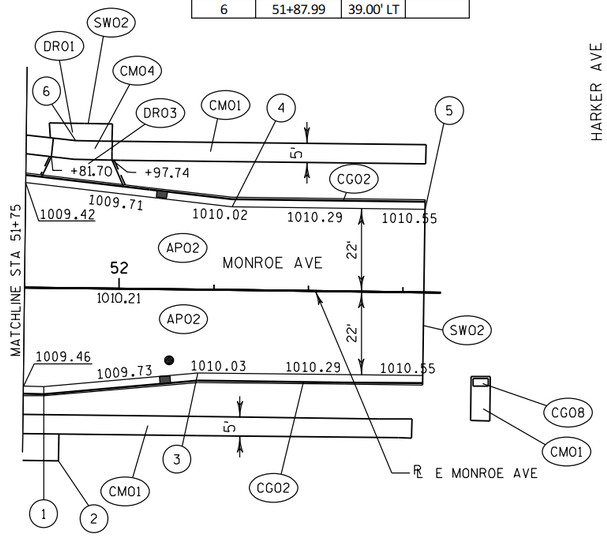
CP01	CONCRETE PAVEMENT 7-INCH (DOWELED)	DR03	CONCRETE DRIVEWAY 7-INCH
AP01	HMA PAVEMENT TYPE E-0.3 4-INCH	CG01	CONCRETE CURB AND GUTTER 30-INCH TYPE A
AP02	HMA PAVEMENT TYPE E-0.3 5-INCH	CG02	CONCRETE CURB AND GUTTER 30-INCH TYPE D
CM01	CONCRETE SIDEWALK 5-INCH	CG03	CONCRETE CURB AND GUTTER INTEGRAL 30-INCH TYPE D
CM02	CONCRETE CORRUGATED MEDIAN	CG04	CURB RAMP TYPE 1A
CM03	SIDEWALK REST STRIP AND TRANSITION RAMP (SEE CONSTRUCTION DETAIL)	CG05	CURB RAMP TYPE 2
CM04	CONCRETE SIDEWALK 7-INCH (SEE URBAN DRIVEWAY ENTRANCE DETAIL)	CG06	CURB RAMP TYPE 4B
CM05	CONCRETE STEPS	CG07	CURB RAMP TYPE 7A
CM06	COLORING CONCRETE RED	CG08	CURB RAMP TYPE 7B
DR01	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES, 4-INCH	SW01	SAWING CONCRETE
DR02	AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 1¼-INCH, 6-INCH	SW02	SAWING ASPHALT

NOTES:

1. PAVEMENT GRADES ARE GIVEN TO FLANGE OF CURB & GUTTER OR TO THE FACE OF INTEGRAL CURB & GUTTER.
2. RADIUS AND WIDTH DIMENSIONS ARE TO THE FLANGE OF CURB & GUTTER OR TO THE FACE OF INTEGRAL CURB & GUTTER.
3. PAVEMENT GRADES ARE GENERALLY SHOWN AT 25' INTERVALS.

N

DATA POINT TABLE			
POINT	STATION	OFFSET	RADIUS
1	51+80.40	26.00' RT	
2	51+84.46	45.63' RT	
3	52+21.02	22.00' RT	
4	52+29.91	22.00' LT	
5	52+80.50	22.00' LT	
6	51+87.99	39.00' LT	



LEGEND

CP01	CONCRETE PAVEMENT 7-INCH (DOWELED)	DR03	CONCRETE DRIVEWAY 7-INCH
AP01	HMA PAVEMENT TYPE E-0.3 4-INCH	CG01	CONCRETE CURB AND GUTTER 30-INCH TYPE A
AP02	HMA PAVEMENT TYPE E-0.3 5-INCH	CG02	CONCRETE CURB AND GUTTER 30-INCH TYPE D
CM01	CONCRETE SIDEWALK 5-INCH	CG03	CONCRETE CURB AND GUTTER INTEGRAL 30-INCH TYPE D
CM02	CONCRETE CORRUGATED MEDIAN	CG04	CURB RAMP TYPE 1A
CM03	SIDEWALK REST STRIP AND TRANSITION RAMP (SEE CONSTRUCTION DETAIL)	CG05	CURB RAMP TYPE 2
CM04	CONCRETE SIDEWALK 7-INCH (SEE URBAN DRIVEWAY ENTRANCE DETAIL)	CG06	CURB RAMP TYPE 4B
CM05	CONCRETE STEPS	CG07	CURB RAMP TYPE 7A
CM06	COLORING CONCRETE RED	CG08	CURB RAMP TYPE 7B
DR01	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES, 4-INCH	SW01	SAWING CONCRETE
DR02	AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 1¼-INCH, 6-INCH	SW02	SAWING ASPHALT

PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	PAVING DETAILS	SHEET 46	E

NOTES:

INLET PROTECTION TYPE A & C TO BE INSTALLED ON ALL EXISTING INLETS WITHIN CONSTRUCTION LIMITS AND AS SHOWN ON THE PLAN.

EROSION CONTROL SILT FENCE PLACED IN STAGE 1 TO REMAIN UNTIL REMOVAL IS DIRECTED BY THE ENGINEER.

INLET PROTECTION INSTALLED IN STAGE 1 FROM BEGINNING OF PROJECT TO LINCOLN AVE TO REMAIN FOR STAGE 2 UNLESS REMOVAL IS REQUESTED BY THE ENGINEER.

*MAINTAIN DRAINAGE TO EXISTING INLETS UNTIL TEMPORARY WIDENING IS REMOVED IN STAGE 1D

LEGEND

- EROSION MAT URBAN CLASS I TYPE A, FERTILIZER TYPE B WITH SEEDING MIX NO. 40
- SOD LAWN
- SLOPE INTERCEPT
- INLET PROTECTION (TYPE NOTED)
- TEMPORARY DITCH CHECK
- ROCK FILTER BAGS
- SILT FENCE
- WATER FLOW ARROW

N

EXISTING R/W

250

251

MATCHLINE 251+75

EXISTING R/W

TLE

252

253

254

255

256

257

MATCHLINE 251+75

MATCHLINE 257+75

GRAND AVE

SLOPE INTERCEPT

EXISTING R/W

MATCHLINE STA 49+00

℄ E MONROE AVE

E MONROE AVE

SLOPE INTERCEPT

TLE

PROPOSED R/W

TLE

EXISTING R/W

SLOPE INTERCEPT

TLE

PROPOSED R/W

℄ E MONROE AVE

MATCHLINE STA 51+00

PROJECT NO:1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	EROSION CONTROL - STAGE 1	SHEET 47	E

2

LEGEND

- EROSION MAT URBAN CLASS I TYPE A, FERTILIZER TYPE B WITH SEEDING MIX NO. 40
- SOD LAWN
- SLOPE INTERCEPT
- INLET PROTECTION (TYPE NOTED)
- TEMPORARY DITCH CHECK
- ROCK FILTER BAGS
- SILT FENCE
- WATER FLOW ARROW

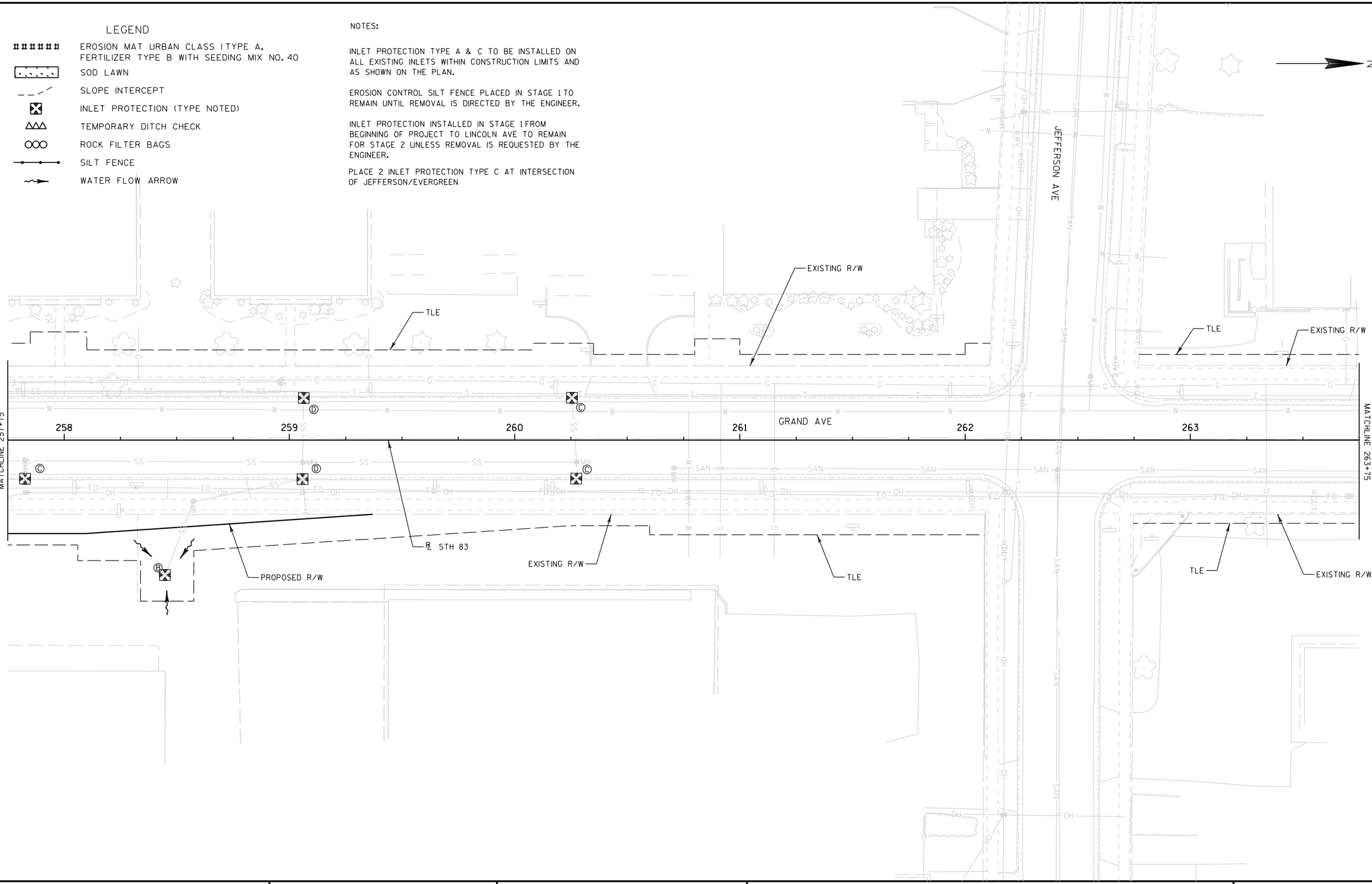
NOTES:

INLET PROTECTION TYPE A & C TO BE INSTALLED ON ALL EXISTING INLETS WITHIN CONSTRUCTION LIMITS AND AS SHOWN ON THE PLAN.

EROSION CONTROL SILT FENCE PLACED IN STAGE 1 TO REMAIN UNTIL REMOVAL IS DIRECTED BY THE ENGINEER.

INLET PROTECTION INSTALLED IN STAGE 1 FROM BEGINNING OF PROJECT TO LINCOLN AVE TO REMAIN FOR STAGE 2 UNLESS REMOVAL IS REQUESTED BY THE ENGINEER.

PLACE 2 INLET PROTECTION TYPE C AT INTERSECTION OF JEFFERSON/EVERGREEN



PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	EROSION CONTROL - STAGE 1	SHEET 48	E

FILE NAME : J:\Active\SE\1330-24-00 STH 83\Main\022002_ec.dgn PLOT DATE : 5/1/2015 PLOT BY : eric.handler PLOT NAME : PLOT SCALE : 40.0000 ' / in.

WISDOT/CADDS SHEET 42

NOTES:

INLET PROTECTION TYPE A & C TO BE INSTALLED ON ALL EXISTING INLETS WITHIN CONSTRUCTION LIMITS AND AS SHOWN ON THE PLAN.

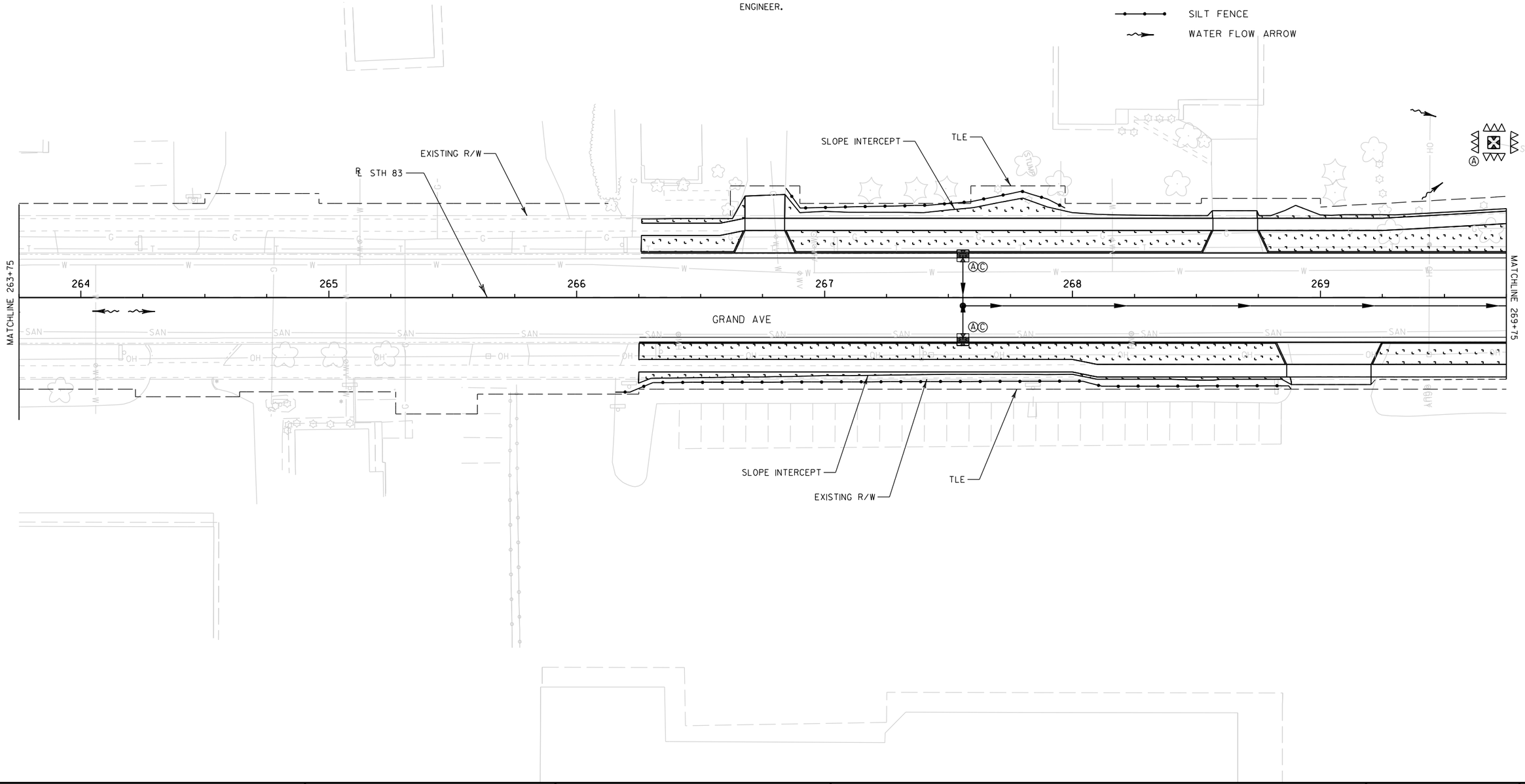
EROSION CONTROL SILT FENCE PLACED IN STAGE 1 TO REMAIN UNTIL REMOVAL IS DIRECTED BY THE ENGINEER.

INLET PROTECTION INSTALLED IN STAGE 1 FROM BEGINNING OF PROJECT TO LINCOLN AVE TO REMAIN FOR STAGE 2 UNLESS REMOVAL IS REQUESTED BY THE ENGINEER.

LEGEND

N

- EROSION MAT URBAN CLASS I TYPE A, FERTILIZER TYPE B WITH SEEDING MIX NO. 40
- SOD LAWN
- SLOPE INTERCEPT
- INLET PROTECTION (TYPE NOTED)
- TEMPORARY DITCH CHECK
- ROCK FILTER BAGS
- SILT FENCE
- WATER FLOW ARROW



PROJECT NO:1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	EROSION CONTROL - STAGE 1	SHEET 49	E

FILE NAME : J:\Active\SE\1330-24-00 STH 83\Main\022003_ec.dgn PLOT DATE : 5/1/2015 PLOT BY : eric.handler PLOT NAME : PLOT SCALE : 40.0000 ' / in.

WISDOT/CADDS SHEET 42

NOTES:

INLET PROTECTION TYPE A & C TO BE INSTALLED ON ALL EXISTING INLETS WITHIN CONSTRUCTION LIMITS AND AS SHOWN ON THE PLAN.

EROSION CONTROL SILT FENCE PLACED IN STAGE 1 TO REMAIN UNTIL REMOVAL IS DIRECTED BY THE ENGINEER.

INLET PROTECTION INSTALLED IN STAGE 1 FROM BEGINNING OF PROJECT TO LINCOLN AVE TO REMAIN FOR STAGE 2 UNLESS REMOVAL IS REQUESTED BY THE ENGINEER.

LEGEND

- EROSION MAT URBAN CLASS I TYPE A, FERTILIZER TYPE B WITH SEEDING MIX NO. 40
- SOD LAWN
- SLOPE INTERCEPT
- INLET PROTECTION (TYPE NOTED)
- TEMPORARY DITCH CHECK
- ROCK FILTER BAGS
- SILT FENCE
- WATER FLOW ARROW

MATCHLINE 269+75
270
GRAND AVE
TLE
EXISTING R/W
℄ STH 83
SLOPE INTERCEPT
℄ E LINCOLN AVE
E LINCOLN AVE
50+00
51+00
52+00
53+00
271
272
11
TLE
℄ GRAND AVE
EXISTING R/W
E LINCOLN AVE
TLE
SLOPE INTERCEPT
EXISTING R/W
BRANCH ST
273
274
MATCHLINE STA 274+75
12
EXISTING R/W
SLOPE INTERCEPT
GRAND AVE

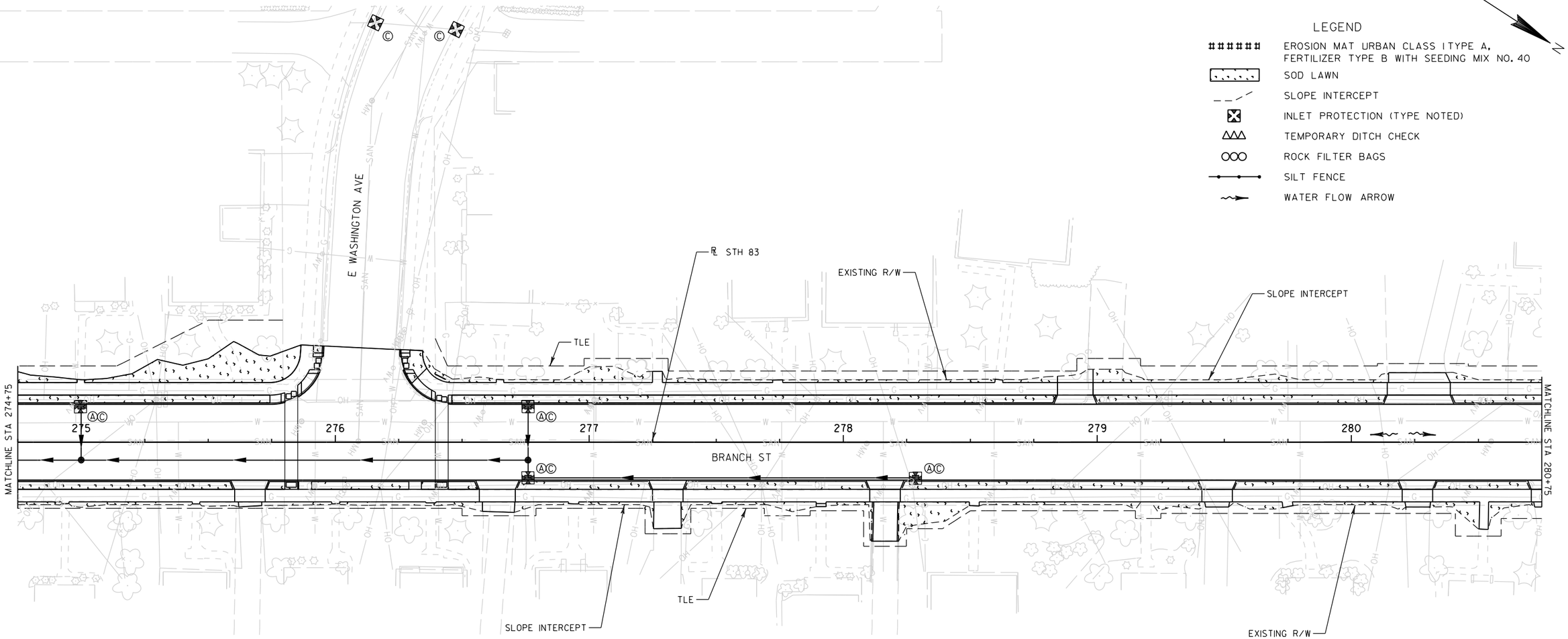
PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	EROSION CONTROL - STAGE 1	SHEET 50	E

FILE NAME : J:\Active\SE\1330-24-00 STH 83\Main\022004_ec.dgn PLOT DATE : 5/1/2015 PLOT BY : eric.handler PLOT NAME : PLOT SCALE : 40.0000 ' / in.

2

LEGEND

- EROSION MAT URBAN CLASS I TYPE A, FERTILIZER TYPE B WITH SEEDING MIX NO. 40
- SOD LAWN
- SLOPE INTERCEPT
- INLET PROTECTION (TYPE NOTED)
- TEMPORARY DITCH CHECK
- ROCK FILTER BAGS
- SILT FENCE
- WATER FLOW ARROW



NOTES:

INLET PROTECTION TYPE A & C TO BE INSTALLED ON ALL EXISTING INLETS WITHIN CONSTRUCTION LIMITS AND AS SHOWN ON THE PLAN.

EROSION CONTROL SILT FENCE PLACED IN STAGE 1 TO REMAIN UNTIL REMOVAL IS DIRECTED BY THE ENGINEER.

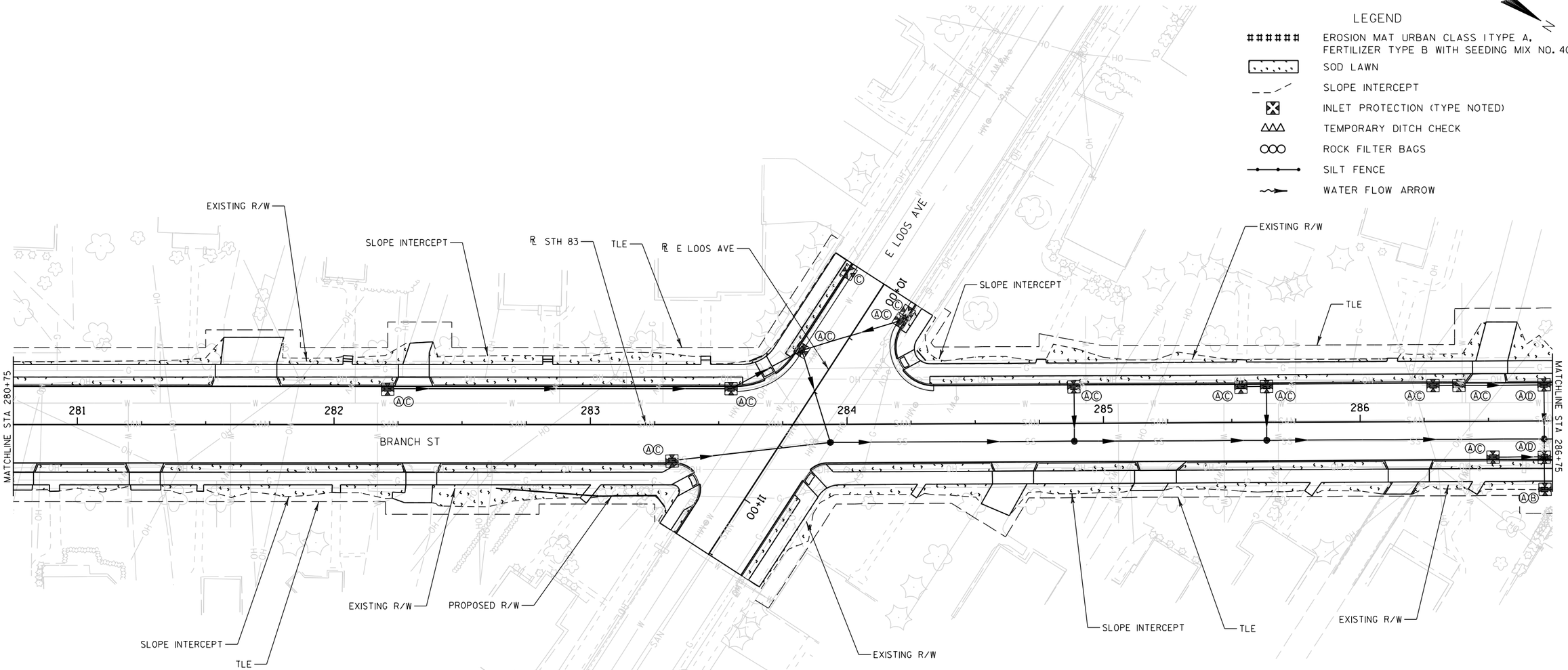
INLET PROTECTION INSTALLED IN STAGE 1 FROM BEGINNING OF PROJECT TO LINCOLN AVE TO REMAIN FOR STAGE 2 UNLESS REMOVAL IS REQUESTED BY THE ENGINEER.

PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	EROSION CONTROL - STAGE 1	SHEET 51	E

2

LEGEND

- ###### EROSION MAT URBAN CLASS I TYPE A, FERTILIZER TYPE B WITH SEEDING MIX NO. 40
- SOD LAWN
- SLOPE INTERCEPT
- INLET PROTECTION (TYPE NOTED)
- TEMPORARY DITCH CHECK
- ROCK FILTER BAGS
- SILT FENCE
- WATER FLOW ARROW



NOTES:

INLET PROTECTION TYPE A & C TO BE INSTALLED ON ALL EXISTING INLETS WITHIN CONSTRUCTION LIMITS AND AS SHOWN ON THE PLAN.

EROSION CONTROL SILT FENCE PLACED IN STAGE 1 TO REMAIN UNTIL REMOVAL IS DIRECTED BY THE ENGINEER.

INLET PROTECTION INSTALLED IN STAGE 1 FROM BEGINNING OF PROJECT TO LINCOLN AVE TO REMAIN FOR STAGE 2 UNLESS REMOVAL IS REQUESTED BY THE ENGINEER.

PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	EROSION CONTROL - STAGE 1	SHEET 52	E

NOTES:

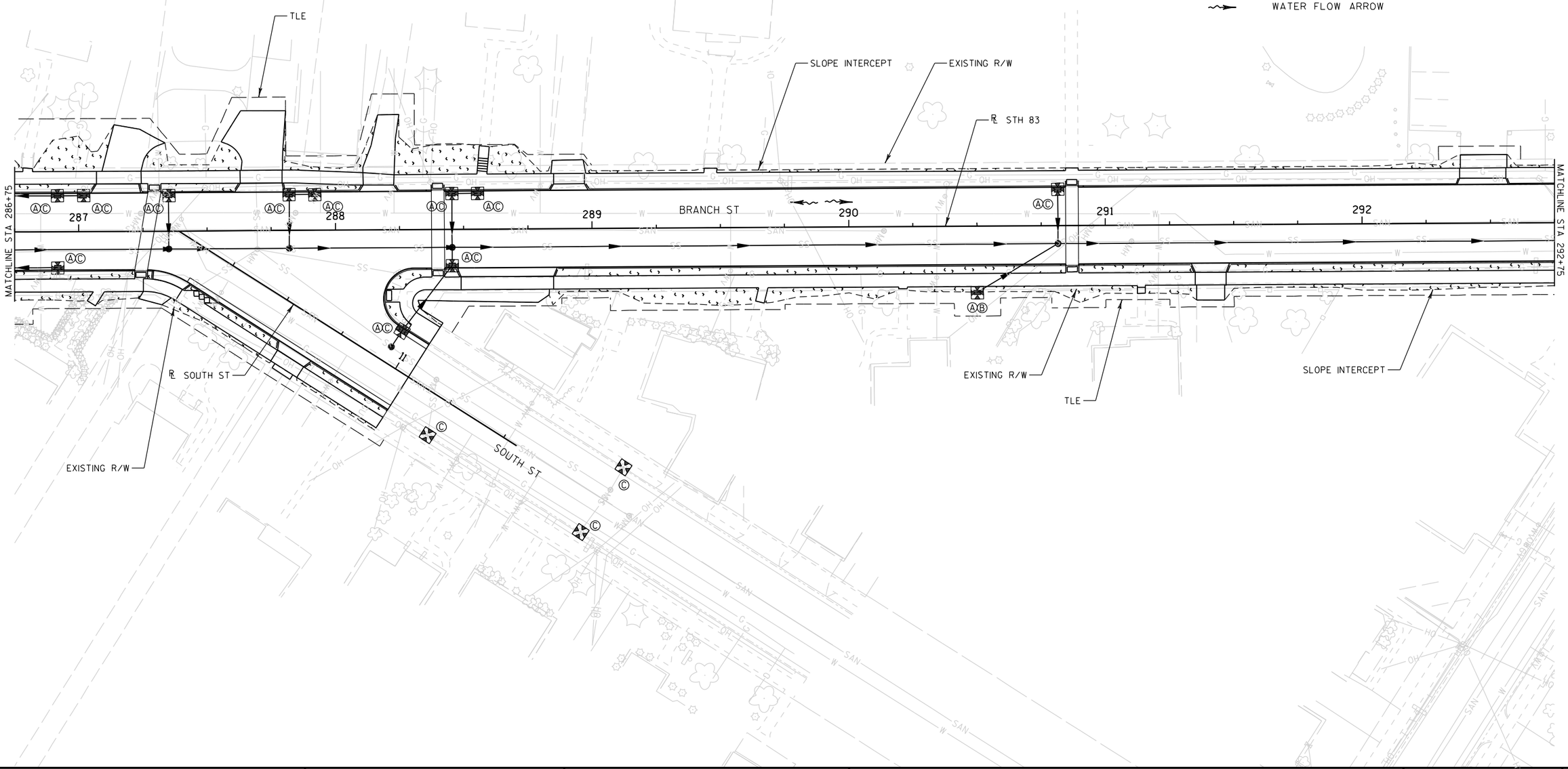
INLET PROTECTION TYPE A & C TO BE INSTALLED ON ALL EXISTING INLETS WITHIN CONSTRUCTION LIMITS AND AS SHOWN ON THE PLAN.

EROSION CONTROL SILT FENCE PLACED IN STAGE 1 TO REMAIN UNTIL REMOVAL IS DIRECTED BY THE ENGINEER.

INLET PROTECTION INSTALLED IN STAGE 1 FROM BEGINNING OF PROJECT TO LINCOLN AVE TO REMAIN FOR STAGE 2 UNLESS REMOVAL IS REQUESTED BY THE ENGINEER.

LEGEND

- EROSION MAT URBAN CLASS I TYPE A, FERTILIZER TYPE B WITH SEEDING MIX NO. 40
- SOD LAWN
- SLOPE INTERCEPT
- INLET PROTECTION (TYPE NOTED)
- TEMPORARY DITCH CHECK
- ROCK FILTER BAGS
- SILT FENCE
- WATER FLOW ARROW



PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	EROSION CONTROL - STAGE 1	SHEET 53	E

FILE NAME : J:\Active\SE\1330-24-00 STH 83\Main\022007_ec.dgn PLOT DATE : 5/1/2015 PLOT BY : eric.handler PLOT NAME : PLOT SCALE : 40.0000 ' / in.

WISDOT/CADDS SHEET 42

NOTES:

INLET PROTECTION TYPE A & C TO BE INSTALLED ON ALL EXISTING INLETS WITHIN CONSTRUCTION LIMITS AND AS SHOWN ON THE PLAN.

EROSION CONTROL SILT FENCE PLACED IN STAGE 1 TO REMAIN UNTIL REMOVAL IS DIRECTED BY THE ENGINEER.

INLET PROTECTION INSTALLED IN STAGE 1 FROM BEGINNING OF PROJECT TO LINCOLN AVE TO REMAIN FOR STAGE 2 UNLESS REMOVAL IS REQUESTED BY THE ENGINEER.

N

S MAIN ST
SLOPE INTERCEPT
EXISTING R/W
℄ S MAIN ST
KOSSUTH ST
EXISTING R/W
MATCHLINE STA 292+75
293
BRANCH ST
294
295
296
297
298
299
SLOPE INTERCEPT
EXISTING R/W
TLE
CHURCH ST
℄ STH 83
SLOPE INTERCEPT
EXISTING R/W
S MAIN ST
EXISTING R/W
PROPOSED R/W

LEGEND

- EROSION MAT URBAN CLASS I TYPE A, FERTILIZER TYPE B WITH SEEDING MIX NO. 40
- SOD LAWN
- SLOPE INTERCEPT
- INLET PROTECTION (TYPE NOTED)
- TEMPORARY DITCH CHECK
- ROCK FILTER BAGS
- SILT FENCE
- WATER FLOW ARROW

PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	EROSION CONTROL - STAGE 1	SHEET 54	E

FILE NAME : J:\Active\SE\1330-24-00 STH 83\Main\022008_ec.dgn PLOT DATE : 5/1/2015 PLOT BY : eric.handler PLOT NAME : PLOT SCALE : 40.0000 ' / in.

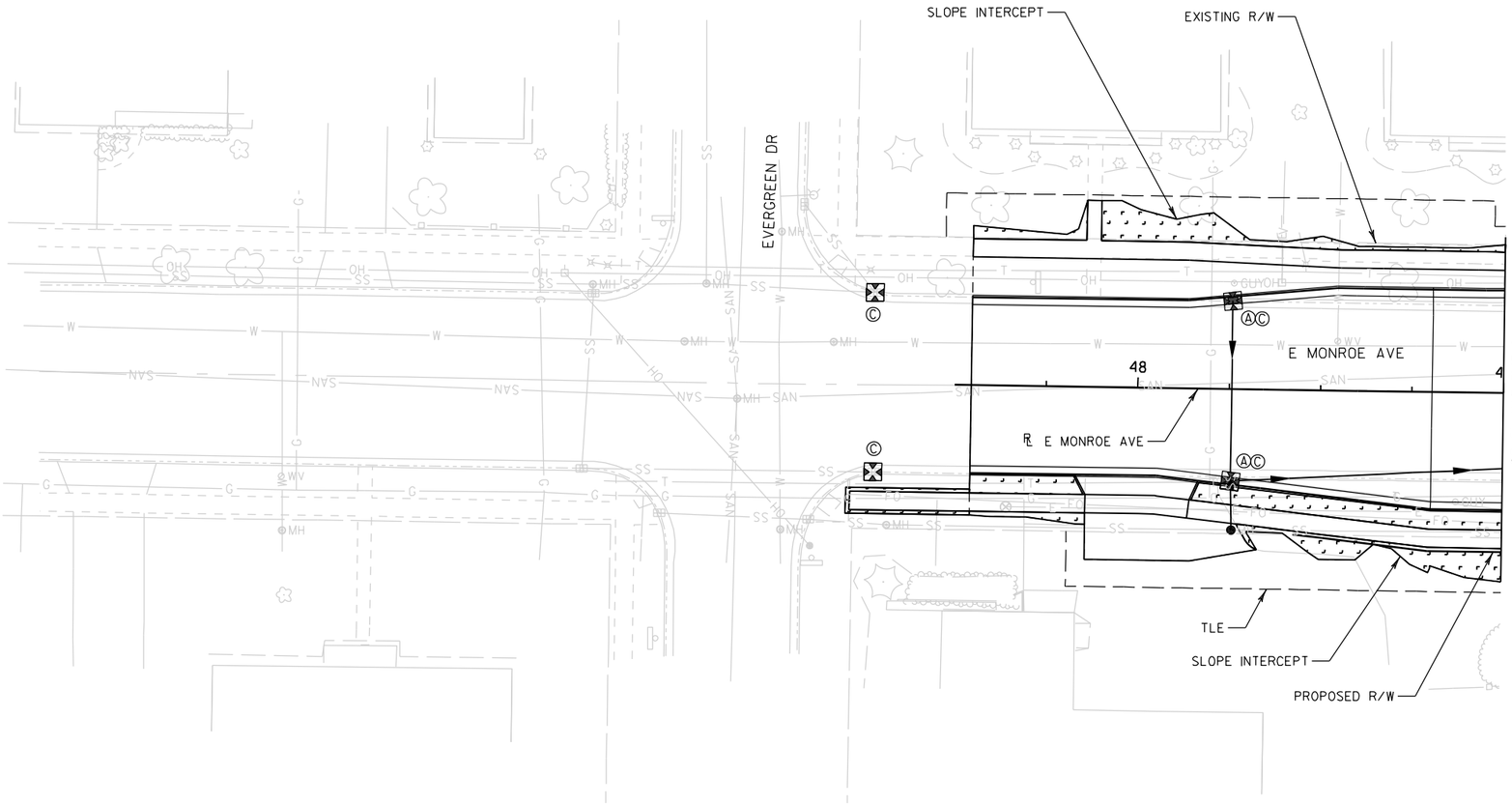
WISDOT/CADDS SHEET 42

2

LEGEND

- EROSION MAT URBAN CLASS I TYPE A, FERTILIZER TYPE B WITH SEEDING MIX NO. 40
- SOD LAWN
- SLOPE INTERCEPT
- INLET PROTECTION (TYPE NOTED)
- TEMPORARY DITCH CHECK
- ROCK FILTER BAGS
- SILT FENCE
- WATER FLOW ARROW

N



NOTES:

INLET PROTECTION TYPE A & C TO BE INSTALLED ON ALL EXISTING INLETS WITHIN CONSTRUCTION LIMITS AND AS SHOWN ON THE PLAN.

EROSION CONTROL SILT FENCE PLACED IN STAGE 1 TO REMAIN UNTIL REMOVAL IS DIRECTED BY THE ENGINEER.

INLET PROTECTION INSTALLED IN STAGE 1 FROM BEGINNING OF PROJECT TO LINCOLN AVE TO REMAIN FOR STAGE 2 UNLESS REMOVAL IS REQUESTED BY THE ENGINEER.

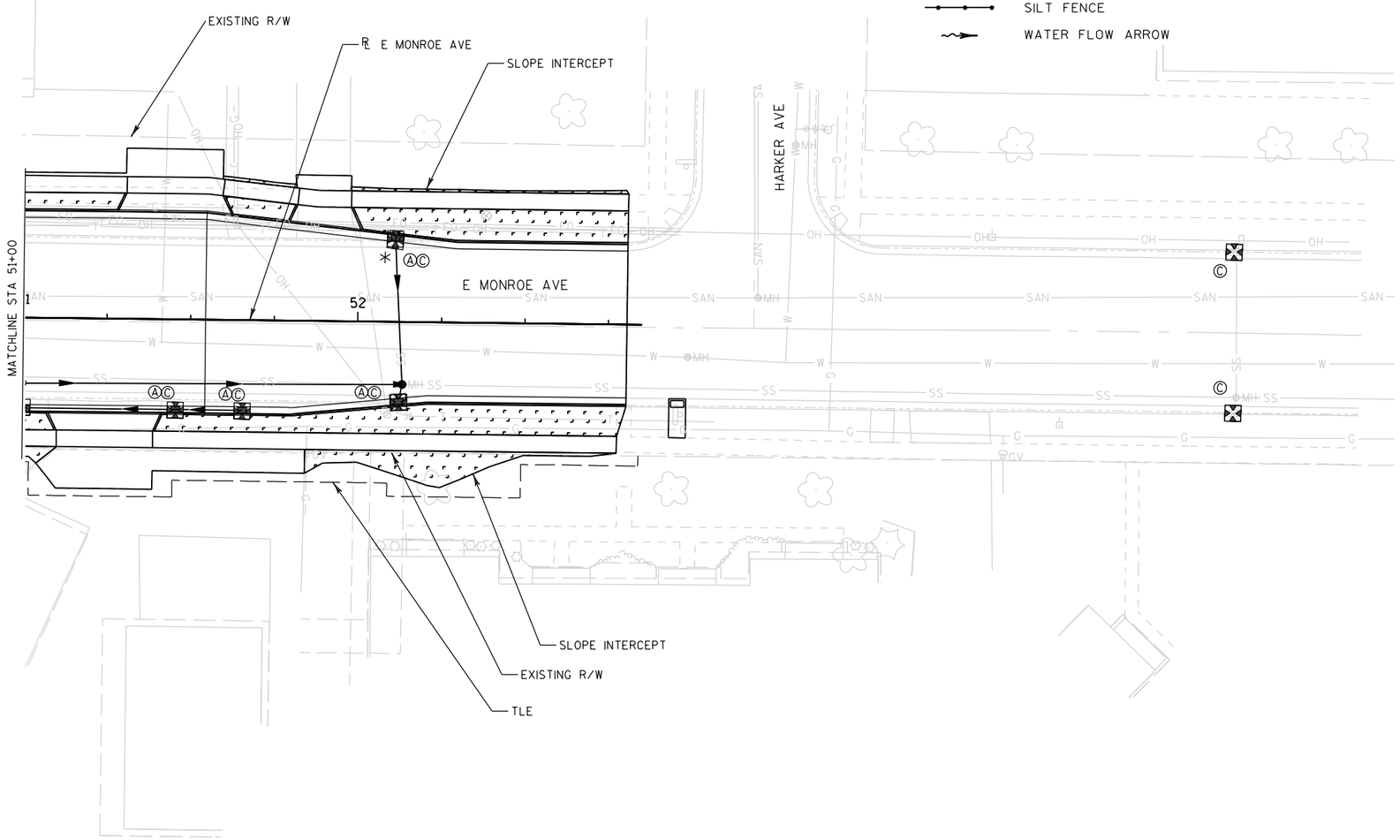
PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	EROSION CONTROL - STAGE 1 (E MONROE AVE)	SHEET 55	E

2

LEGEND

- EROSION MAT URBAN CLASS I TYPE A, FERTILIZER TYPE B WITH SEEDING MIX NO. 40
- SOD LAWN
- SLOPE INTERCEPT
- INLET PROTECTION (TYPE NOTED)
- TEMPORARY DITCH CHECK
- ROCK FILTER BAGS
- SILT FENCE
- WATER FLOW ARROW

N



NOTES:

INLET PROTECTION TYPE A & C TO BE INSTALLED ON ALL EXISTING INLETS WITHIN CONSTRUCTION LIMITS AND AS SHOWN ON THE PLAN.

EROSION CONTROL SILT FENCE PLACED IN STAGE 1 TO REMAIN UNTIL REMOVAL IS DIRECTED BY THE ENGINEER.

INLET PROTECTION INSTALLED IN STAGE 1 FROM BEGINNING OF PROJECT TO LINCOLN AVE TO REMAIN FOR STAGE 2 UNLESS REMOVAL IS REQUESTED BY THE ENGINEER.

*MAINTAIN DRAINAGE TO EXISTING INLETS UNTIL TEMPORARY WIDENING IS REMOVED

PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	EROSION CONTROL - STAGE 1 (E MONROE AVE)	SHEET 56	E

2

N

LEGEND

- EROSION MAT URBAN CLASS I TYPE A, FERTILIZER TYPE B WITH SEEDING MIX NO. 40
- SOD LAWN
- SLOPE INTERCEPT
- INLET PROTECTION (TYPE NOTED)
- TEMPORARY DITCH CHECK
- ROCK FILTER BAGS
- SILT FENCE
- WATER FLOW ARROW

E MONROE AVE

℄ E MONROE AVE

PROPOSED R/W

TLE

EXISTING R/W

SLOPE INTERCEPT

GRAND AVE

℄ STH 83

SLOPE INTERCEPT

TLE

EXISTING R/W

PROPOSED R/W

255 256 257 258 259 260

MATCHLINE 261+00

49 51 52

NOTES:

INLET PROTECTION TYPE A & C TO BE INSTALLED ON ALL EXISTING INLETS WITHIN CONSTRUCTION LIMITS AND AS SHOWN ON PLAN.

EROSION CONTROL SILT FENCE PLACED IN PREVIOUS STAGES TO REMAIN UNLESS REMOVAL IS REQUESTED BY THE ENGINEER.

INLET PROTECTION FROM PREVIOUS STAGE TO REMAIN UNLESS REMOVAL IS DIRECTED BY THE ENGINEER.

PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	EROSION CONTROL - STAGE 2	SHEET 57	E

2

NOTES:

INLET PROTECTION TYPE A & C TO BE INSTALLED ON ALL EXISTING INLETS WITHIN CONSTRUCTION LIMITS AND AS SHOWN ON PLAN.

EROSION CONTROL SILT FENCE PLACED IN PREVIOUS STAGES TO REMAIN UNLESS REMOVAL IS REQUESTED BY THE ENGINEER.

INLET PROTECTION FROM PREVIOUS STAGE TO REMAIN UNLESS REMOVAL IS DIRECTED BY THE ENGINEER.

LEGEND

- EROSION MAT URBAN CLASS I TYPE A, FERTILIZER TYPE B WITH SEEDING MIX NO. 40
- SOD LAWN
- SLOPE INTERCEPT
- INLET PROTECTION (TYPE NOTED)
- TEMPORARY DITCH CHECK
- ROCK FILTER BAGS
- SILT FENCE
- WATER FLOW ARROW

N

JEFFERSON AVE

EXISTING R/W

SLOPE INTERCEPT

TLE

EXISTING R/W

GRAND AVE

MATCHLINE 261+00

261 262 263 264 265 266 267

(A)(C)

(A)(C)

EXISTING R/W

℄ STH 83

TLE

SLOPE INTERCEPT

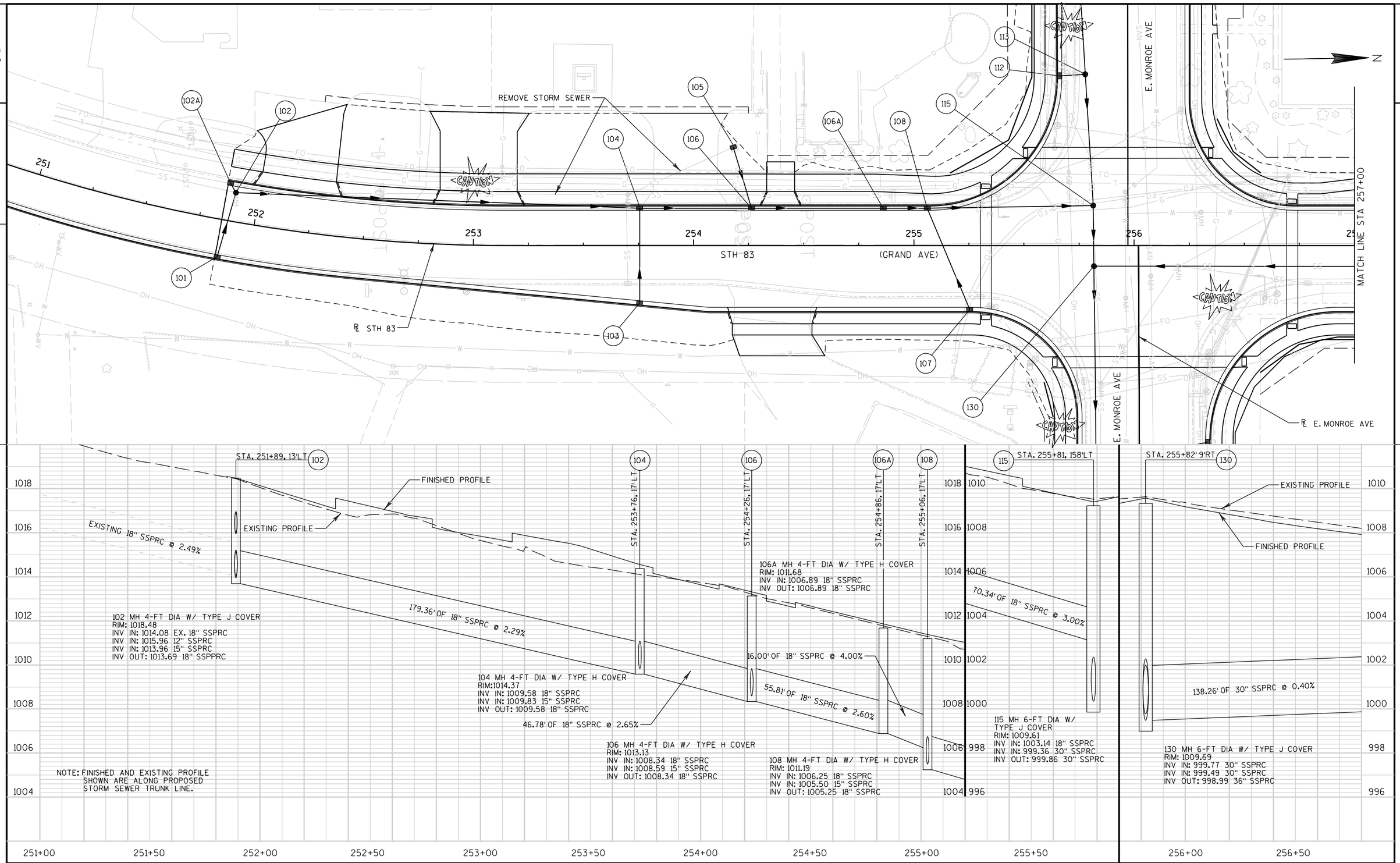
EXISTING R/W

PROJECT NO:1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	EROSION CONTROL - STAGE 2	SHEET	E

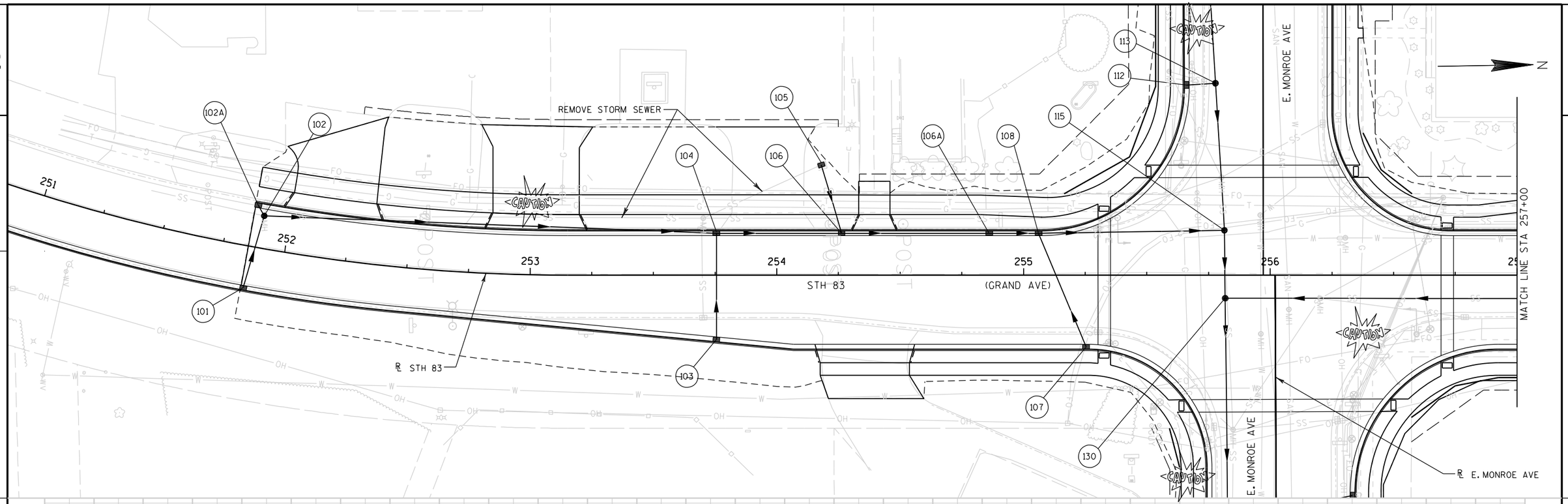
FILE NAME : J:\Active\SE\1330-24-00 STH 83\Main\022012_ec.dgn PLOT DATE : 5/1/2015 PLOT BY : eric.handler PLOT NAME : PLOT SCALE : 40.0000 ' / in.

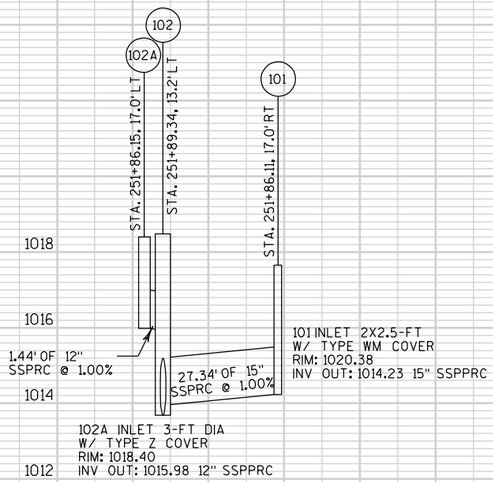
WISDOT/CADDS SHEET 42

2

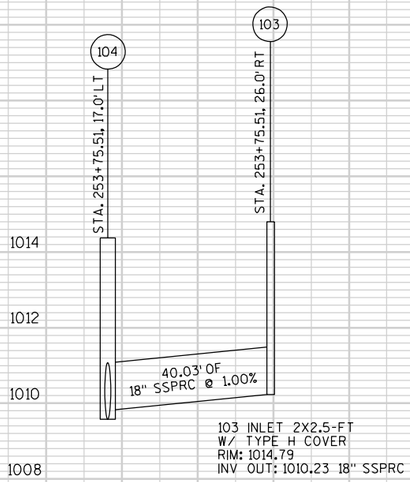


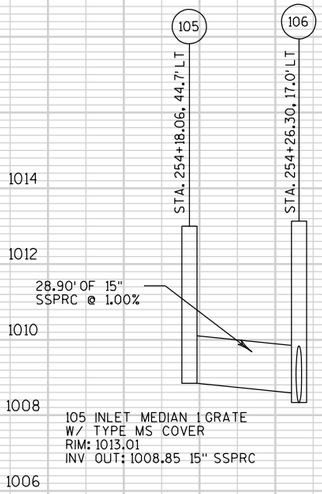
PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	STORM SEWER PLAN	SHEET 59	E

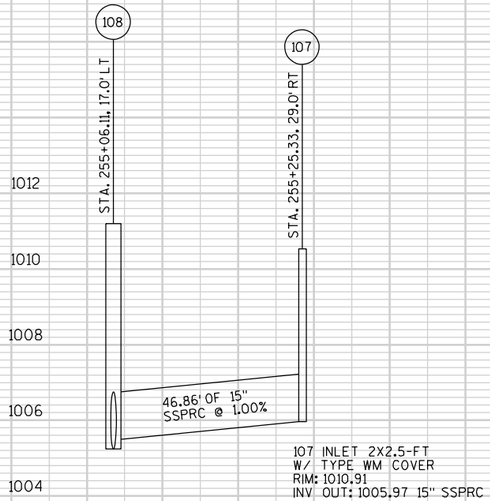




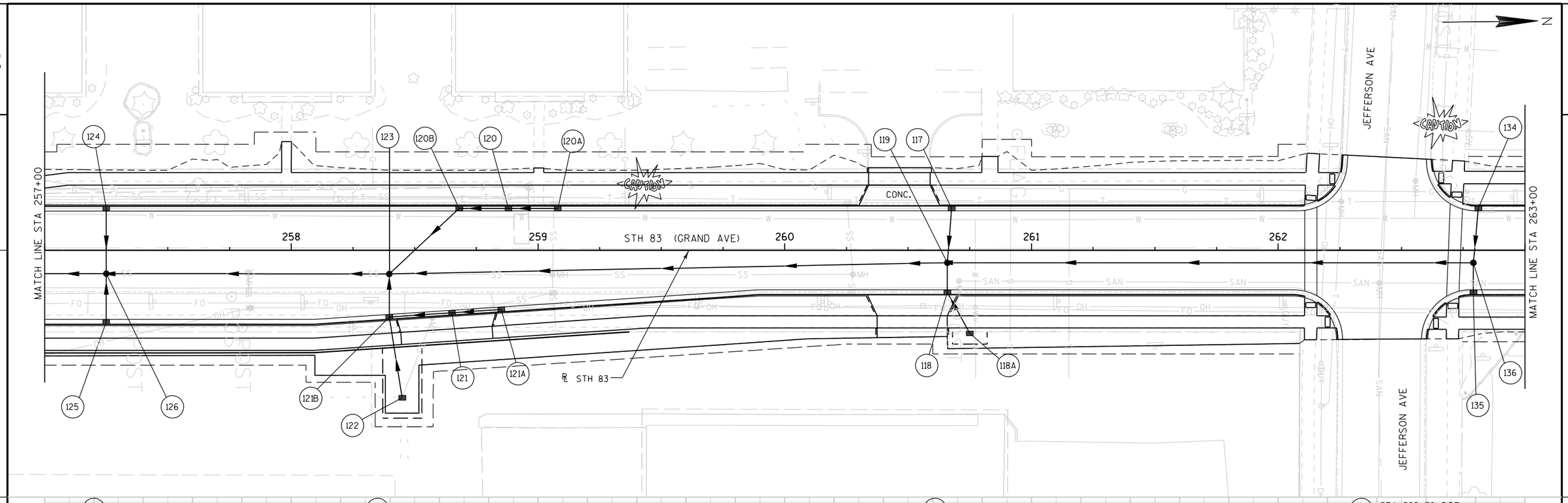
NOTE: FINISHED AND EXISTING PROFILE SHOWN ARE ALONG PROPOSED STORM SEWER TRUNK LINE.

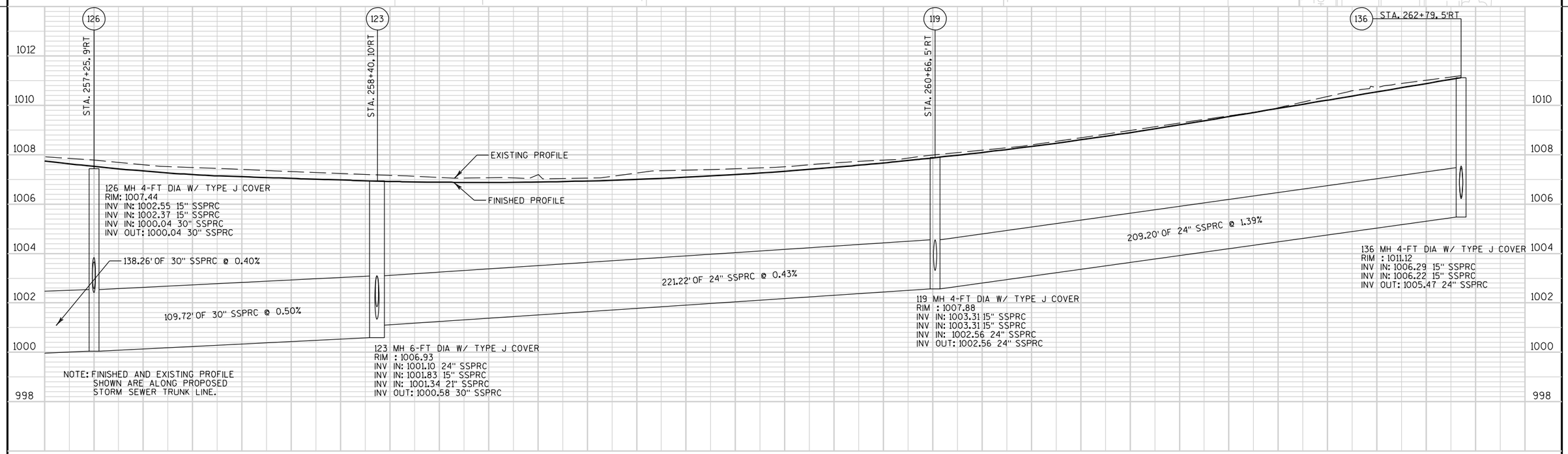




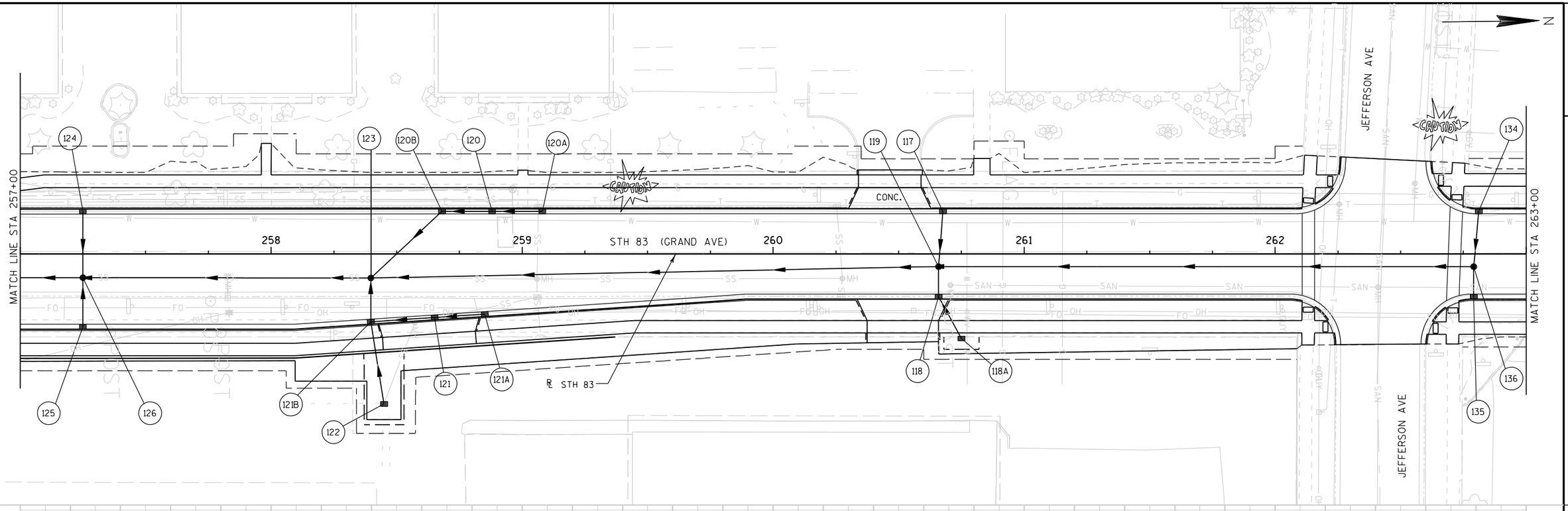


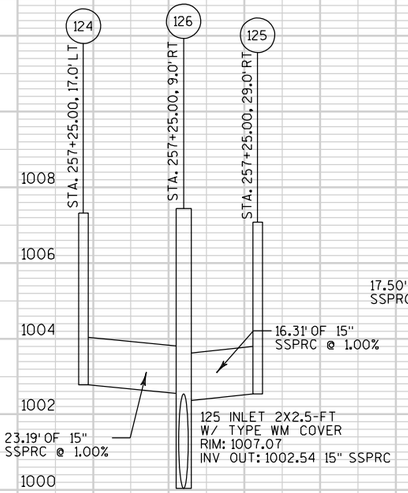
PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	STORM SEWER PLAN	SHEET 60	E

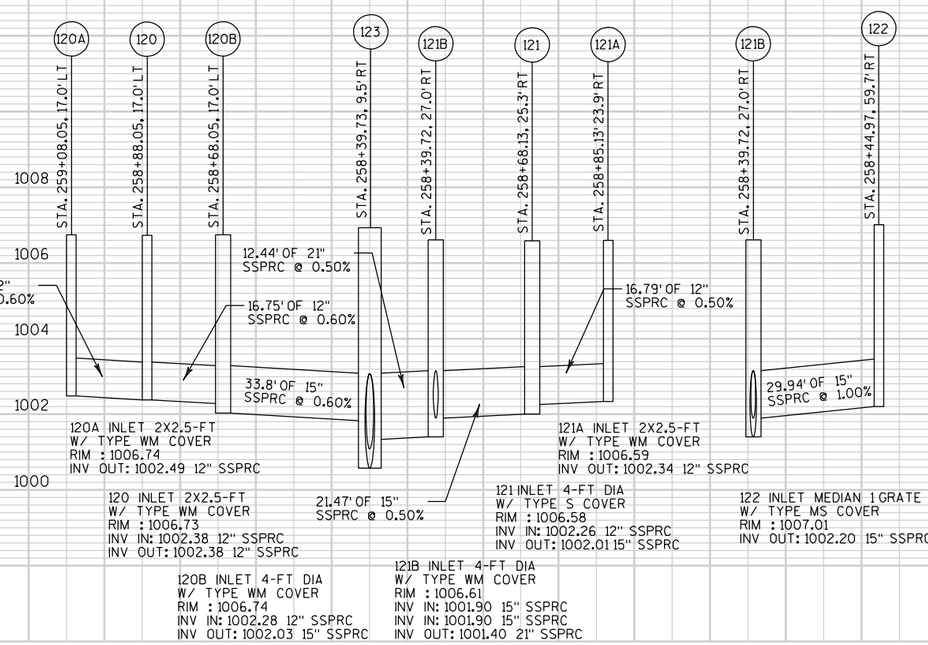


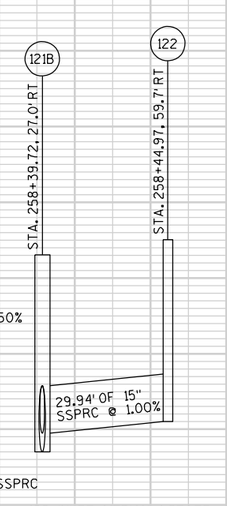


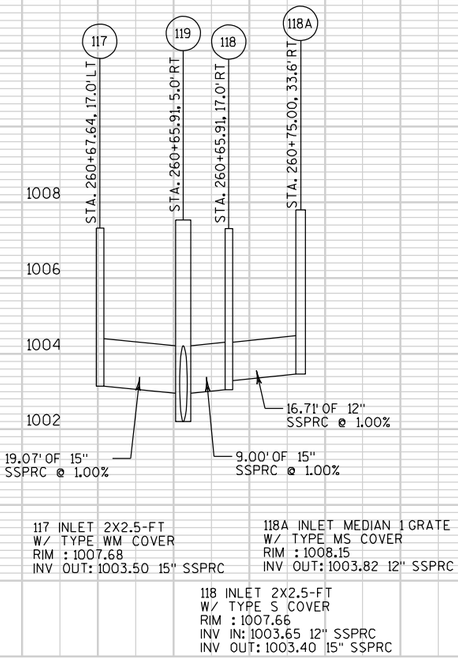
PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	STORM SEWER PLAN	SHEET 61	E

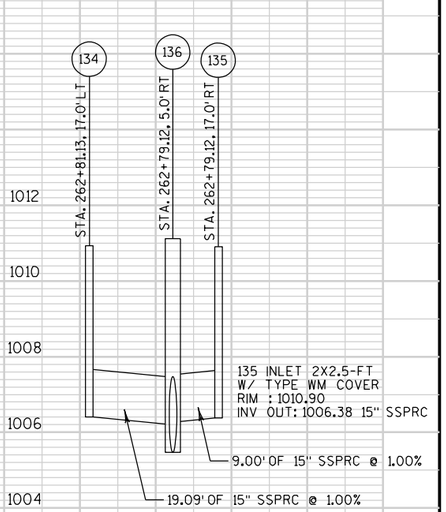




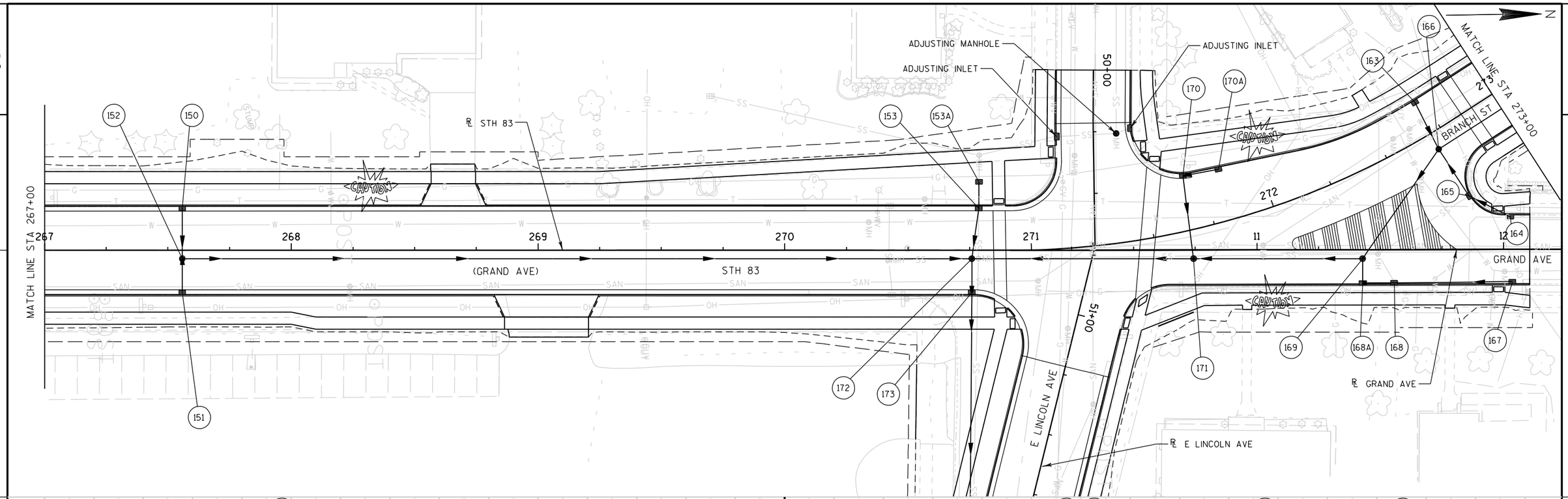


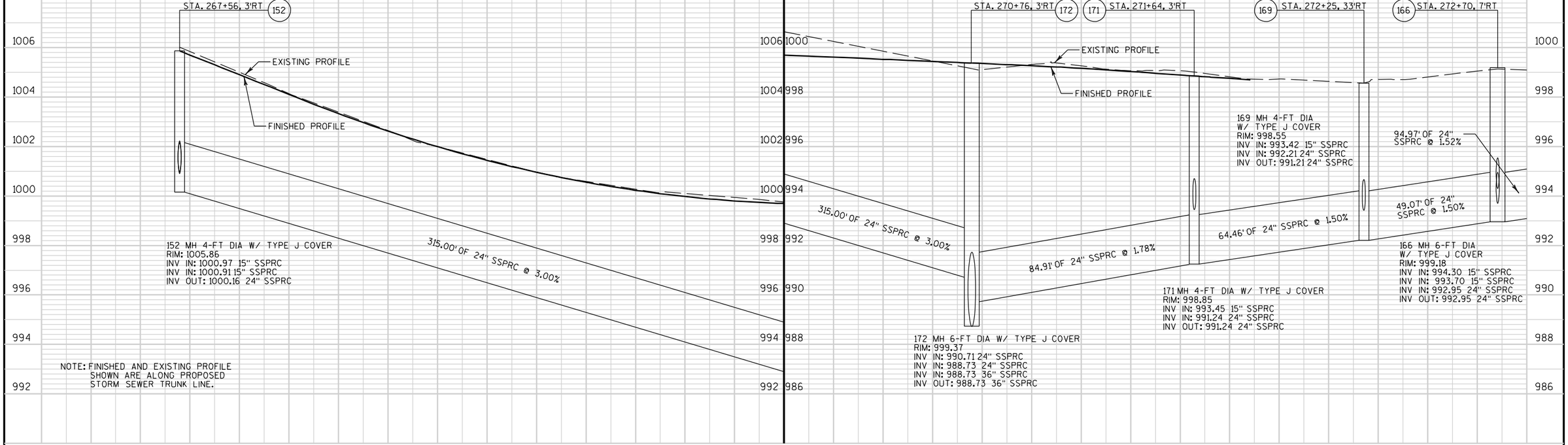




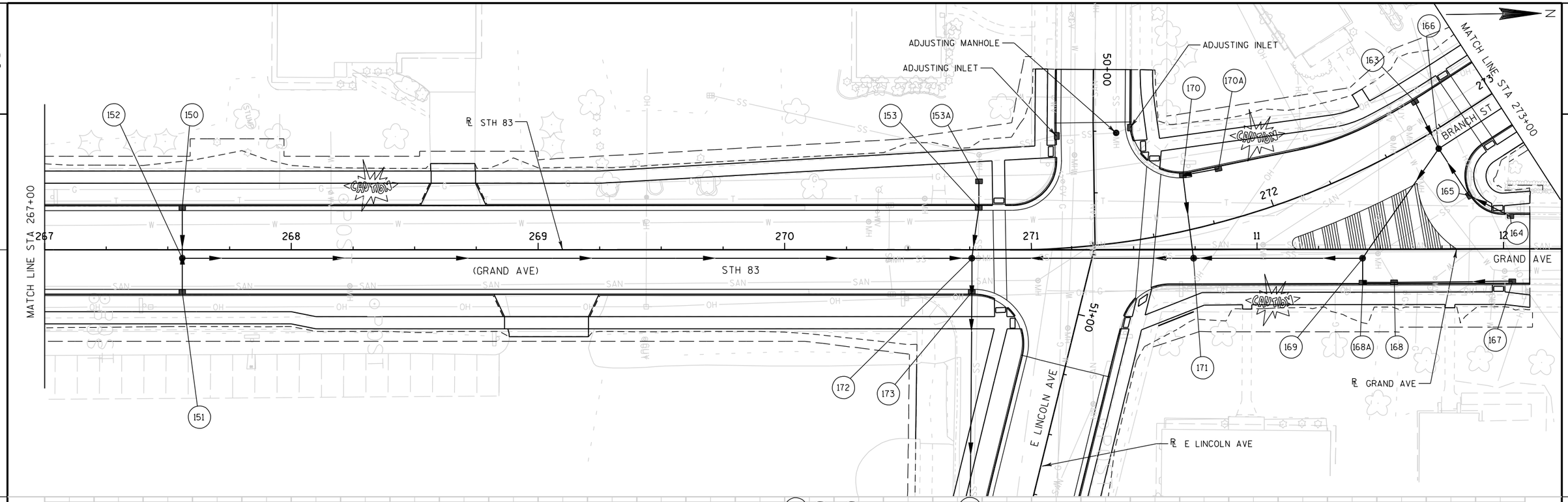


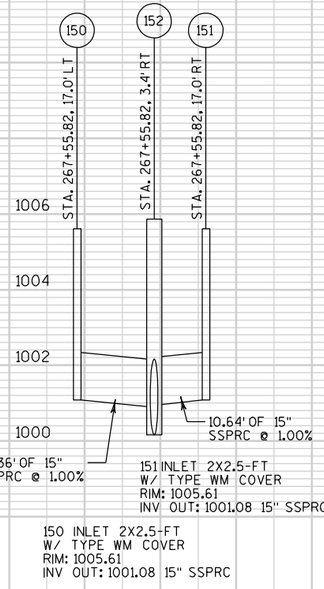
PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	STORM SEWER PLAN	SHEET 62	E

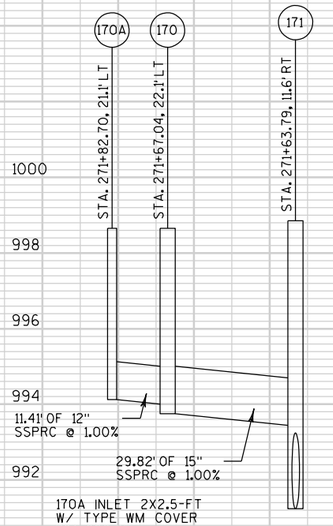


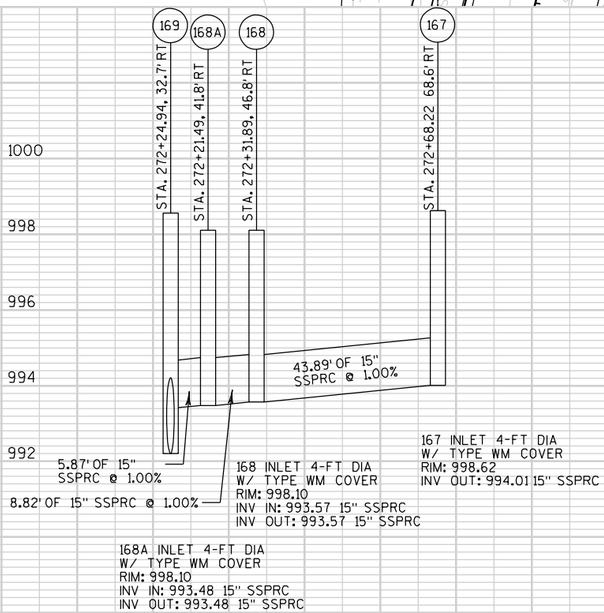


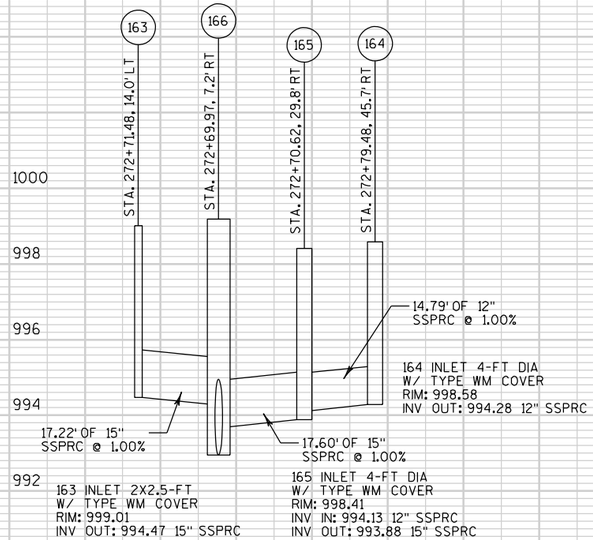
PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	STORM SEWER PLAN	SHEET 63	E





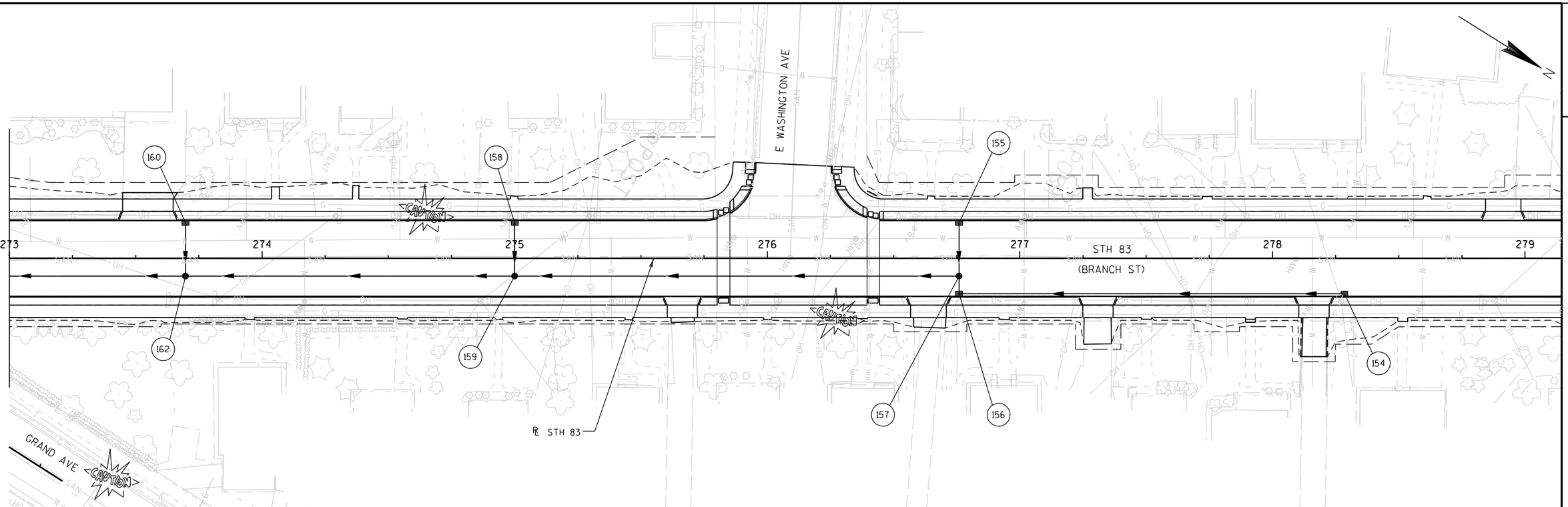


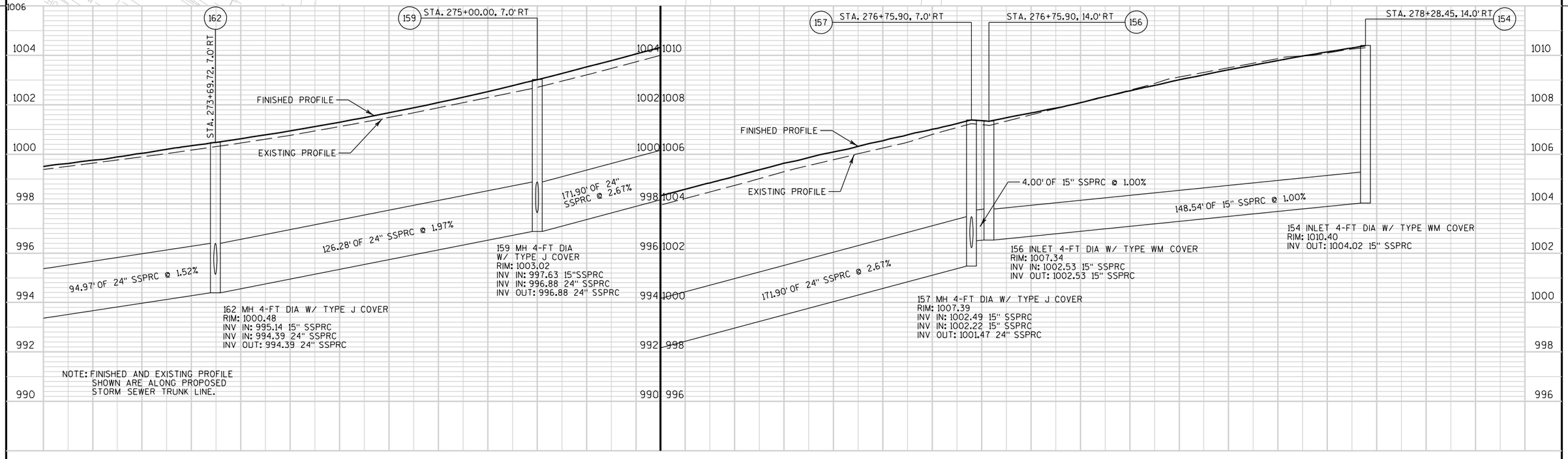




PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	STORM SEWER PLAN	SHEET 64	E

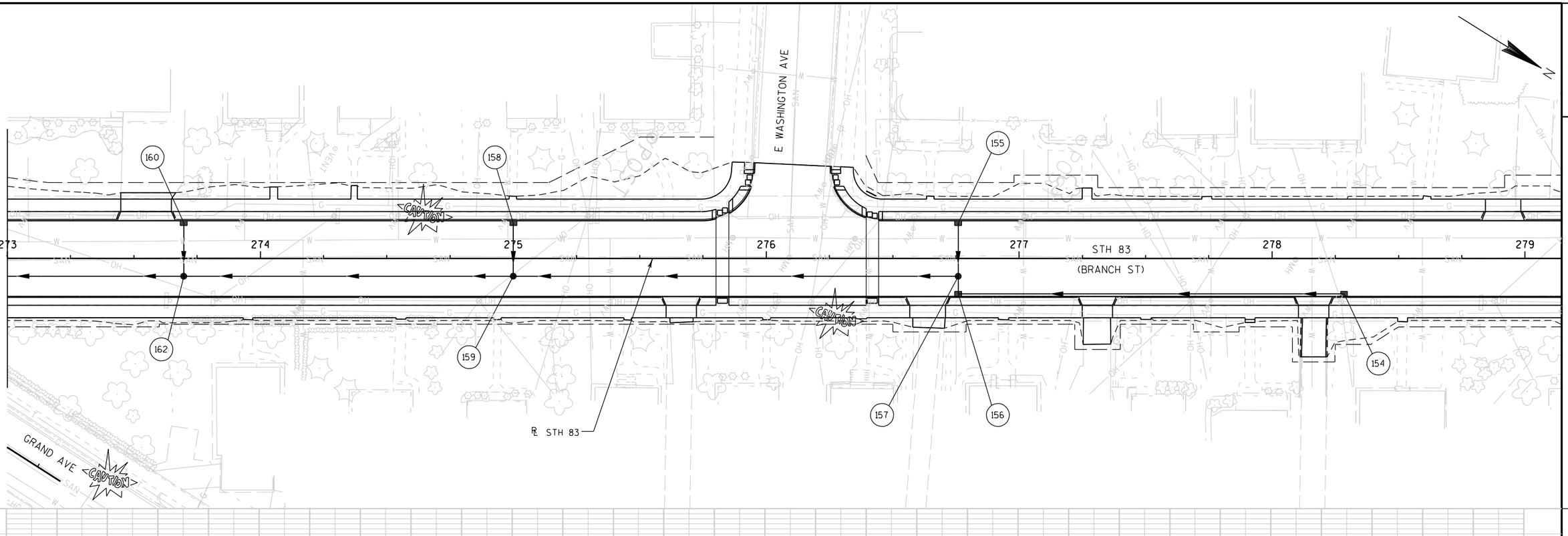
2

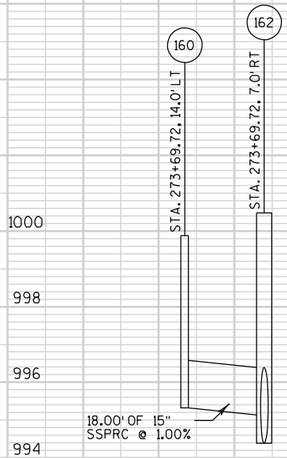




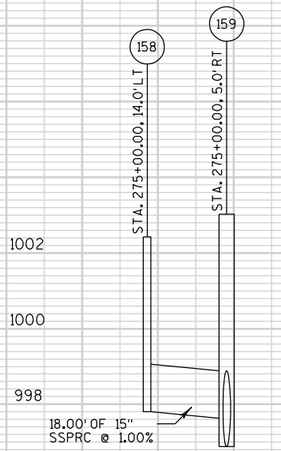
PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	STORM SEWER PLAN	SHEET 65	E

2

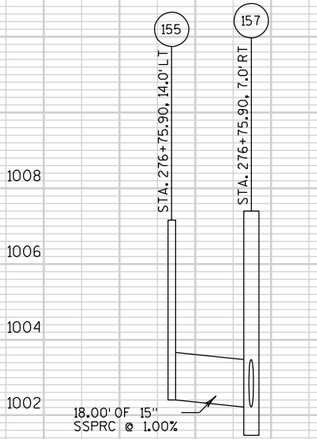




160 INLET 2X2.5-FT
W/ TYPE WM COVER
RIM: 999.88
INV OUT: 995.32 15" SSPRC



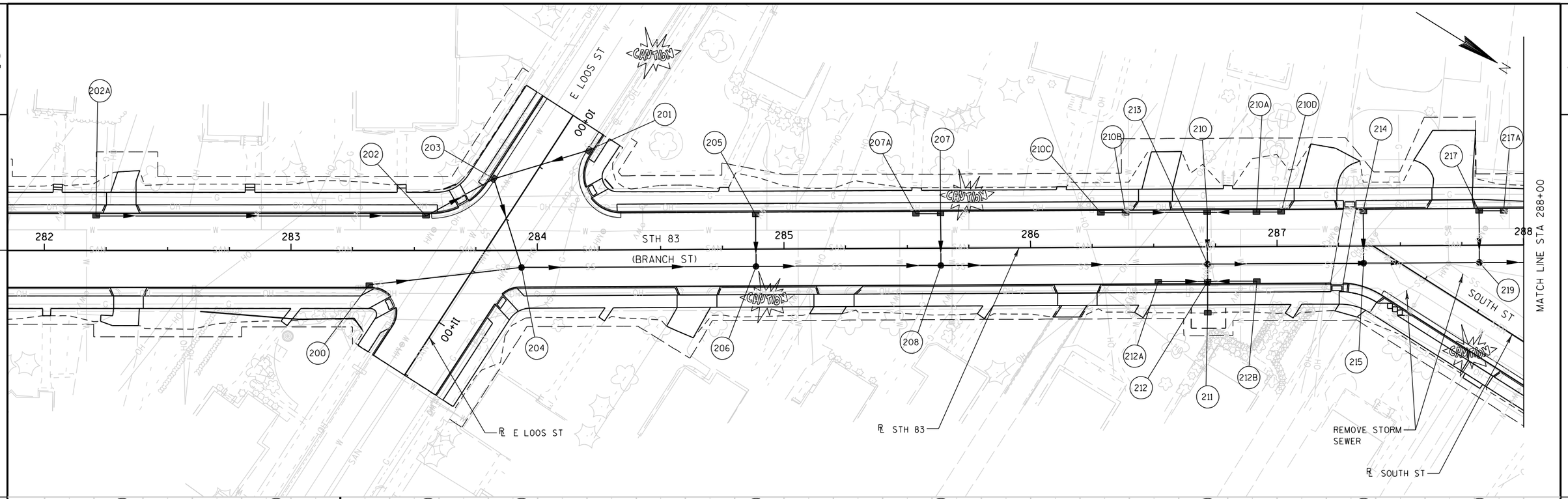
158 INLET 2X2.5-FT
W/ TYPE WM COVER
RIM: 1002.42
INV OUT: 997.81 15" SSPRC

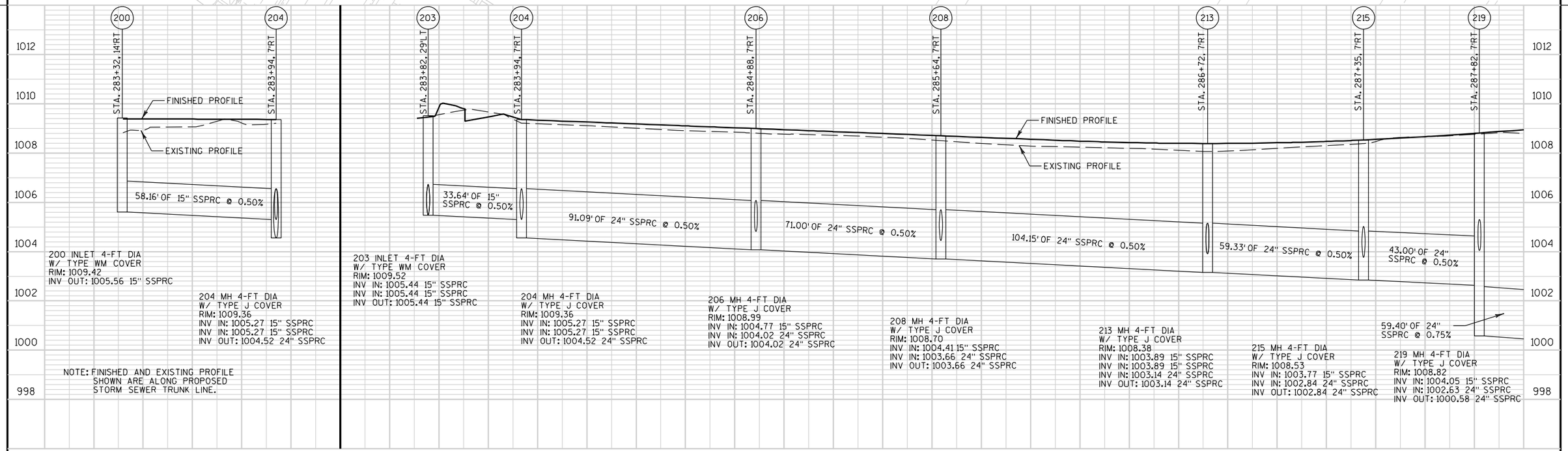


155 INLET 2X2.5-FT
W/ TYPE WM COVER
RIM: 1007.16
INV OUT: 1002.40 15" SSPRC

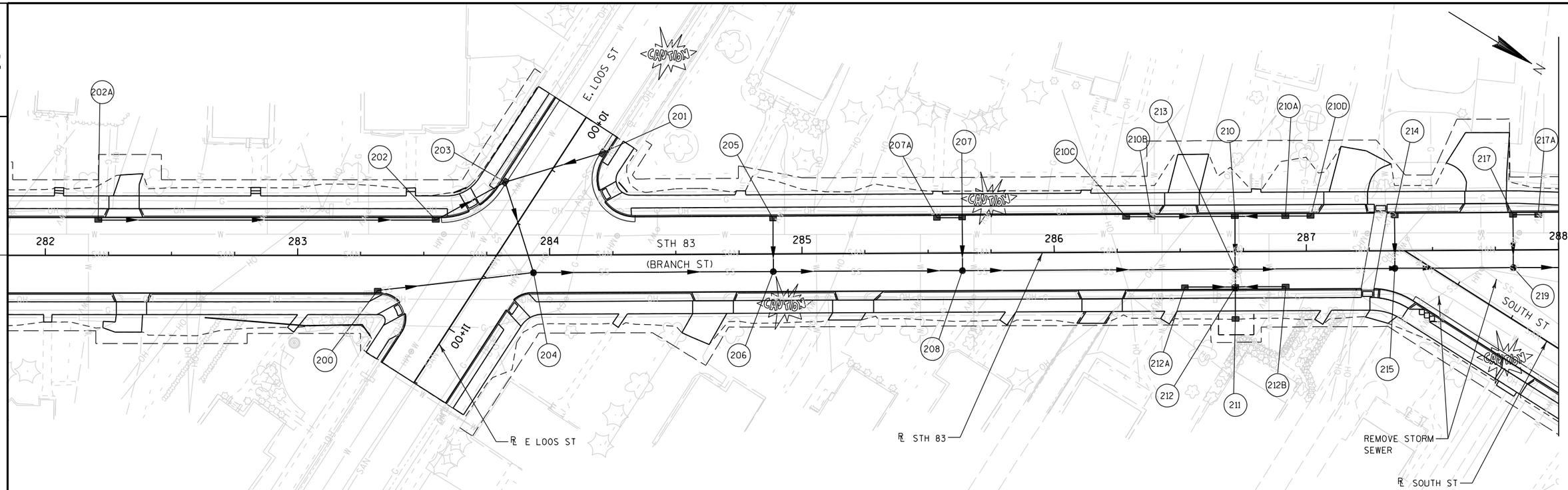
PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	STORM SEWER PLAN	SHEET 66	E

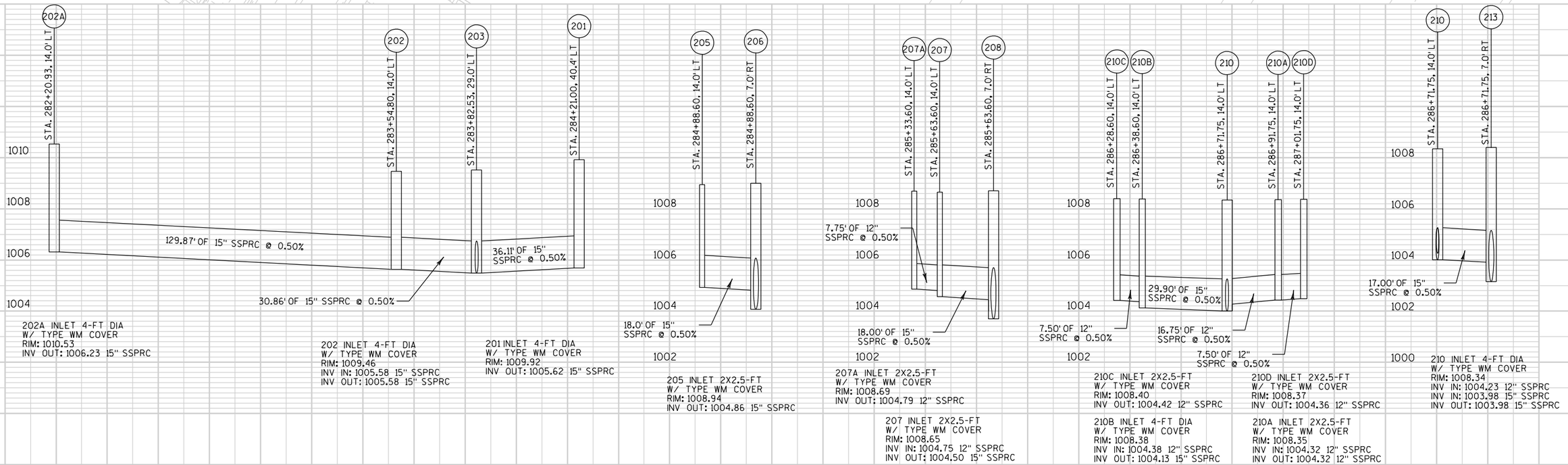
FILE NAME : K:\CADDS\Active\SE\1330-24-00 STH 83\Main\022504a_ss.dgn PLOT DATE : 5/1/2015 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : 40.0000 ' / in.



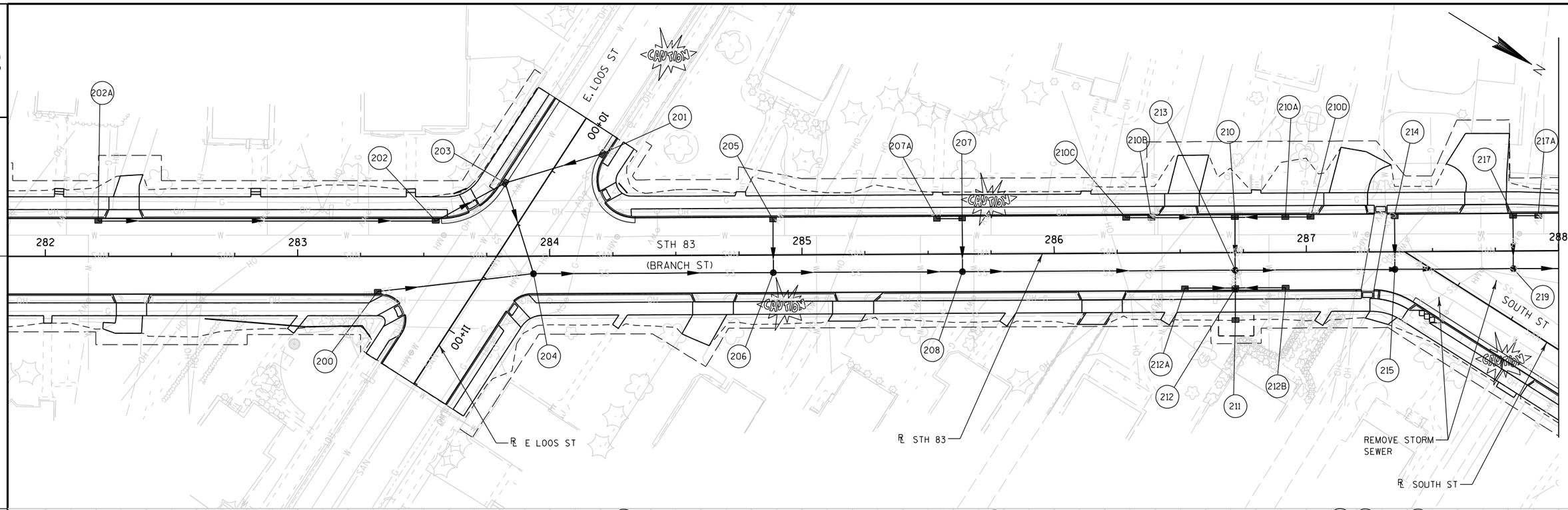


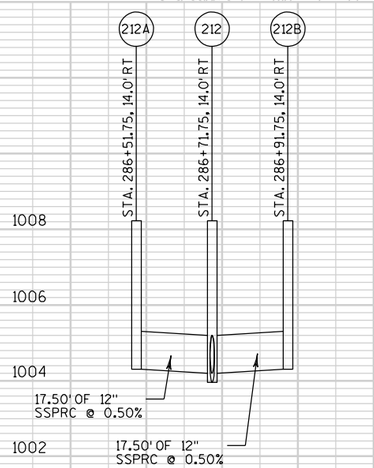
PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	STORM SEWER PLAN	SHEET 67	E





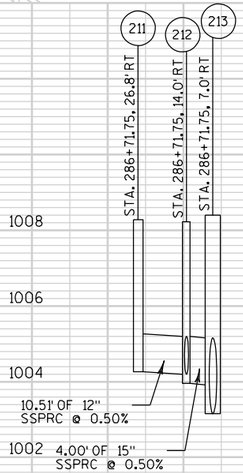
PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	STORM SEWER PLAN	SHEET 68	E





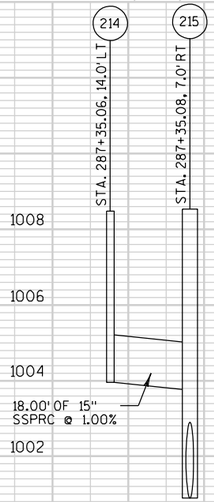
212A INLET 2X2.5-FT
W/ TYPE WM COVER
RIM: 1008.22
INV OUT: 1004.25 12" SSPRC

212B INLET 2X2.5-FT
W/ TYPE WM COVER
RIM: 1008.22
INV OUT: 1004.25 12" SSPRC

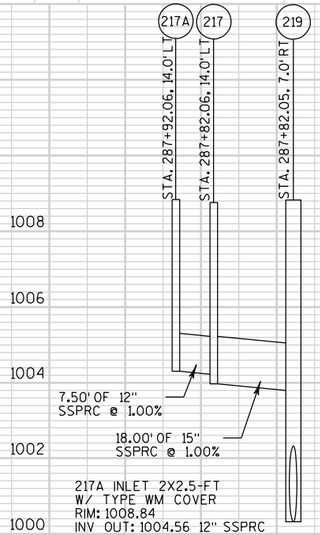


211 INLET MEDIAN 1 GRATE
W/ TYPE MS COVER
RIM: 1008.27
INV OUT: 1004.21 12" SSPRC

212 INLET 2X2.5-FT
W/ TYPE WM COVER
RIM: 1008.22
INV IN: 1004.16 12" SSPRC
INV IN: 1004.16 12" SSPRC
INV IN: 1004.16 12" SSPRC
INV OUT: 1003.89 15" SSPRC



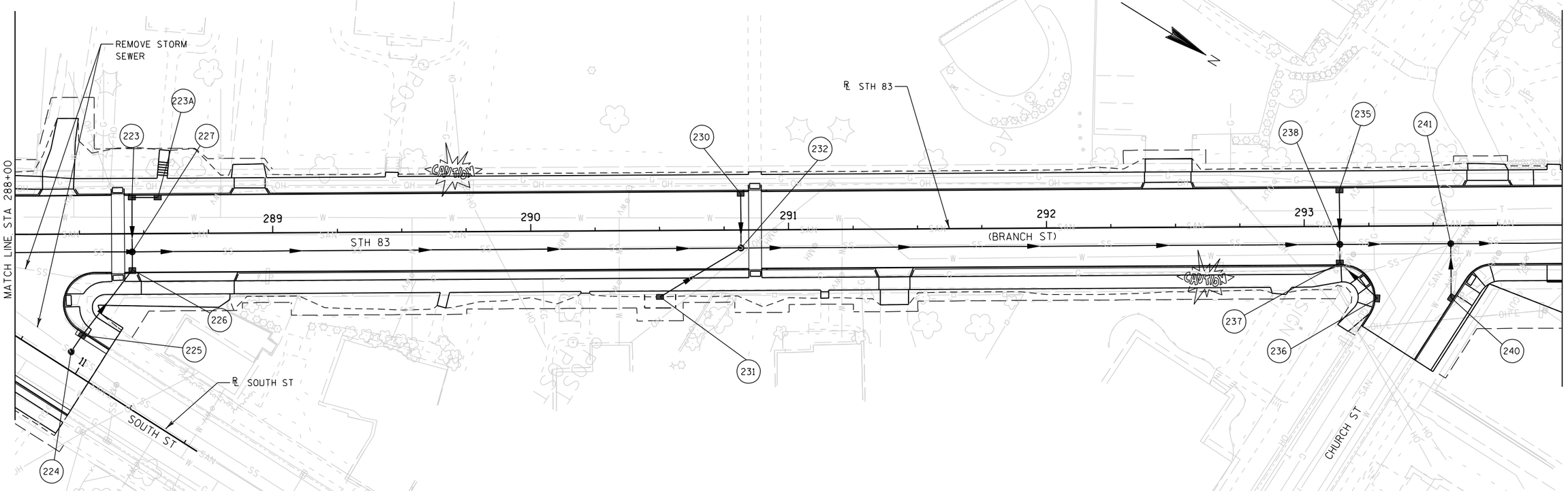
214 INLET 2X2.5-FT
W/ TYPE WM COVER
RIM: 1008.48
INV OUT: 1003.95 12" SSPRC

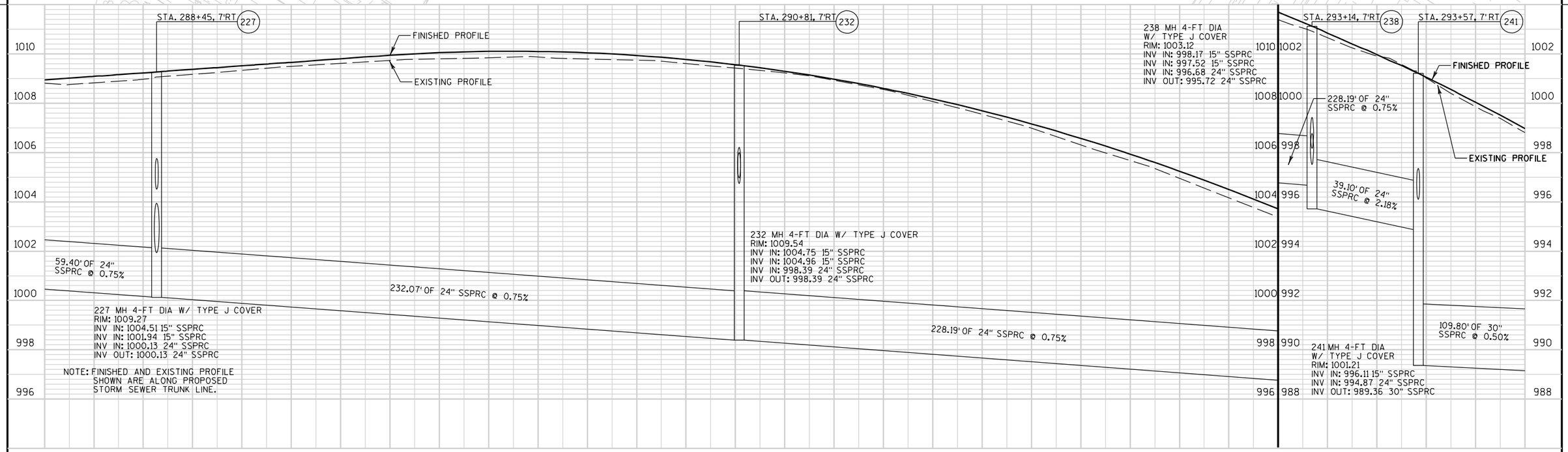


217A INLET 2X2.5-FT
W/ TYPE WM COVER
RIM: 1008.84
INV OUT: 1004.56 12" SSPRC

219 INLET 2X2.5-FT
W/ TYPE WM COVER
RIM: 1008.76
INV IN: 1004.48 12" SSPRC
INV OUT: 1004.23 15" SSPRC

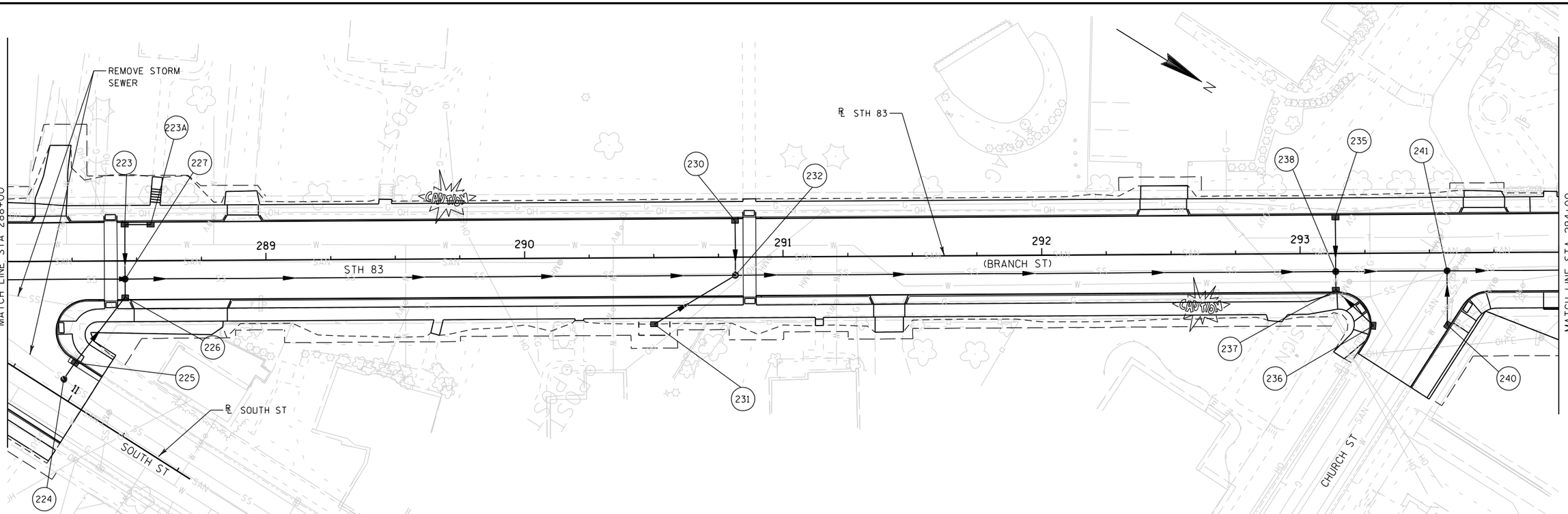
PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	STORM SEWER PLAN	SHEET 69	E

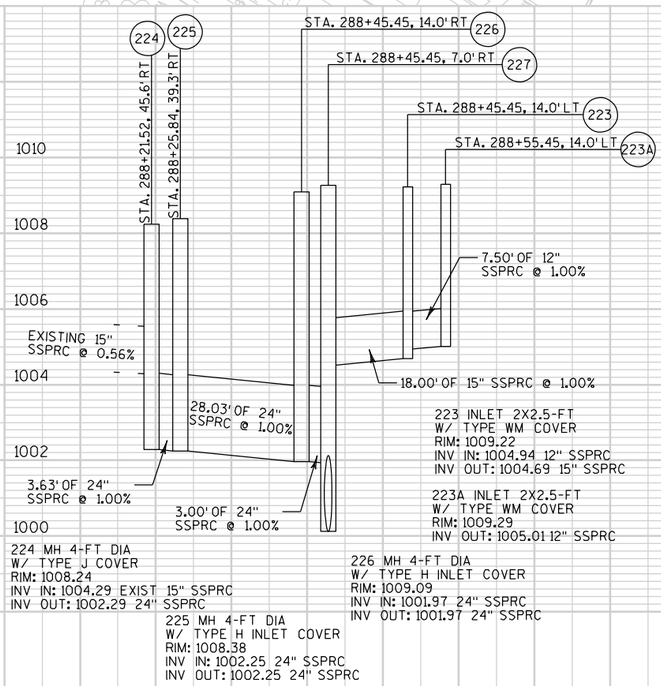


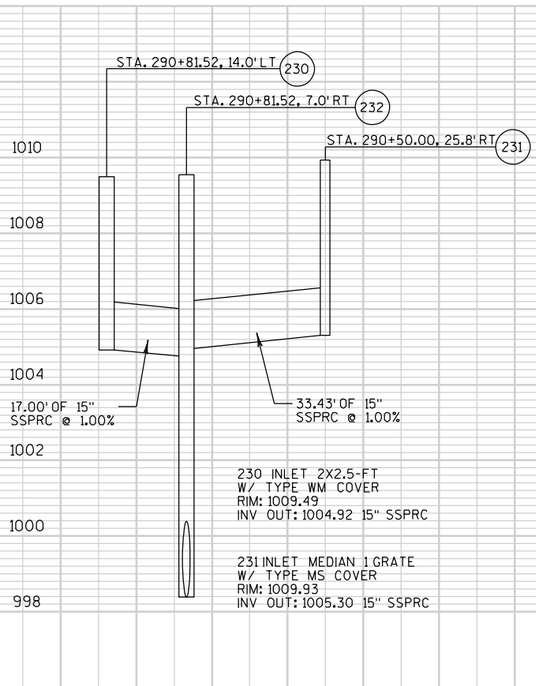


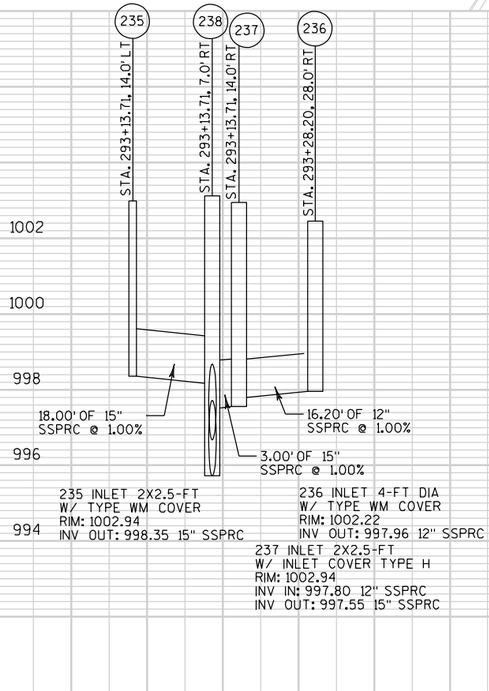
PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	STORM SEWER PLAN	SHEET 70	E

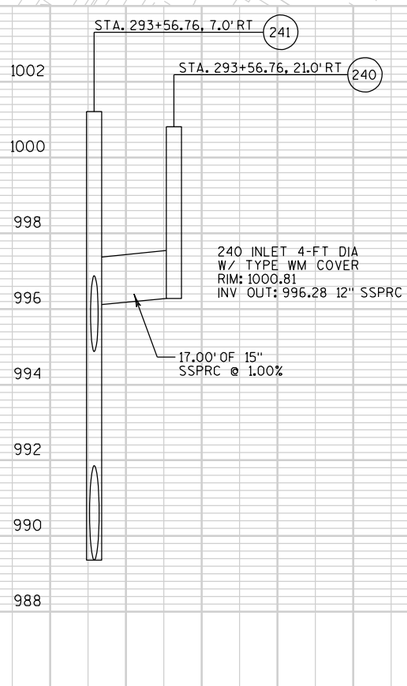
2



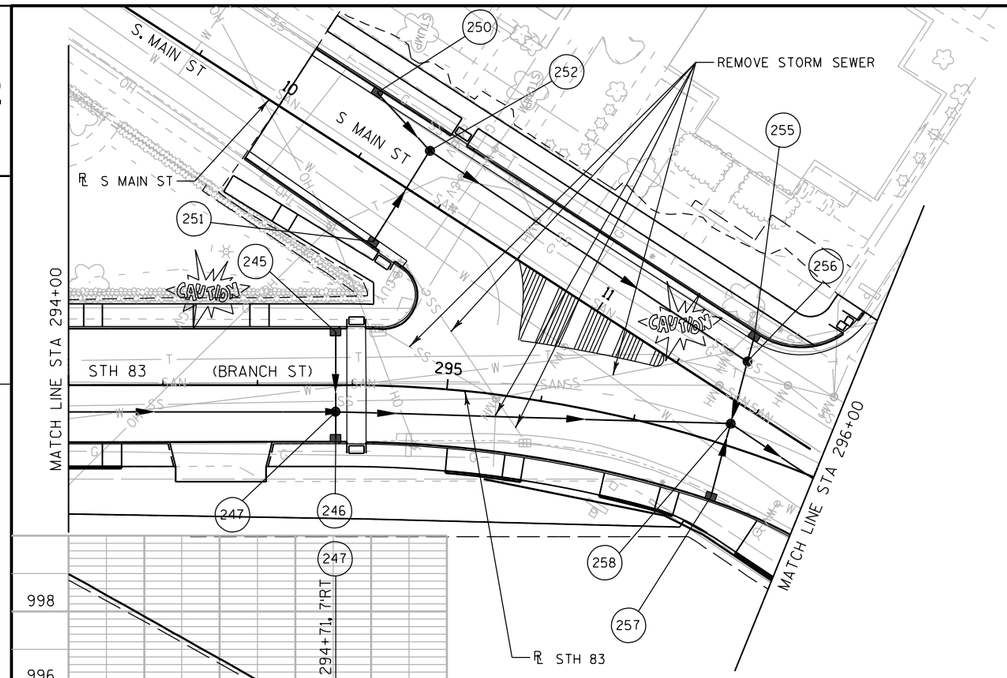


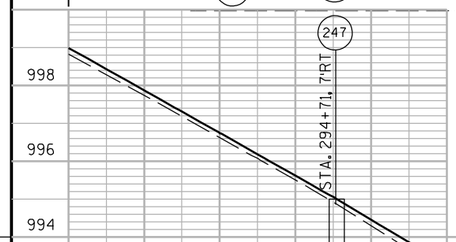


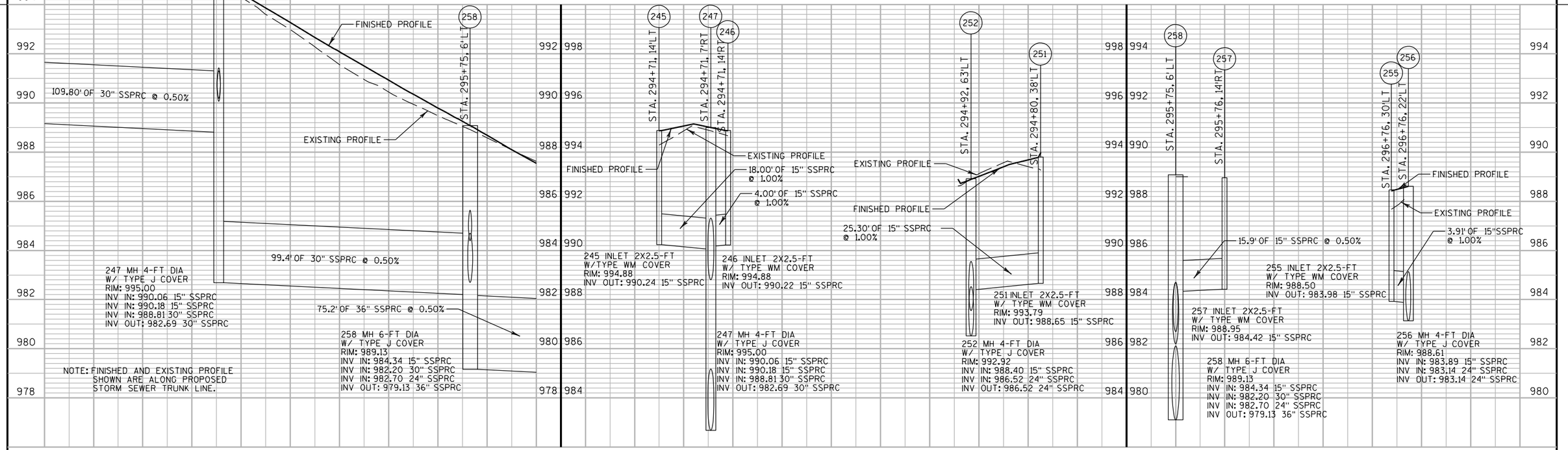




PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	STORM SEWER PLAN	SHEET 71	E

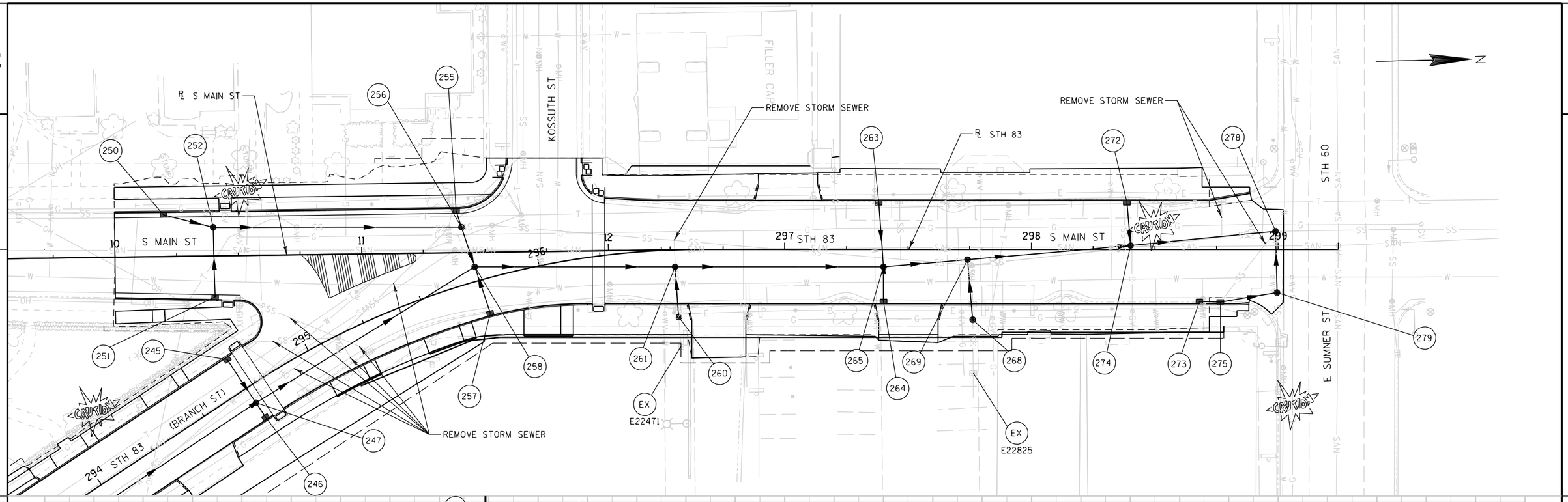


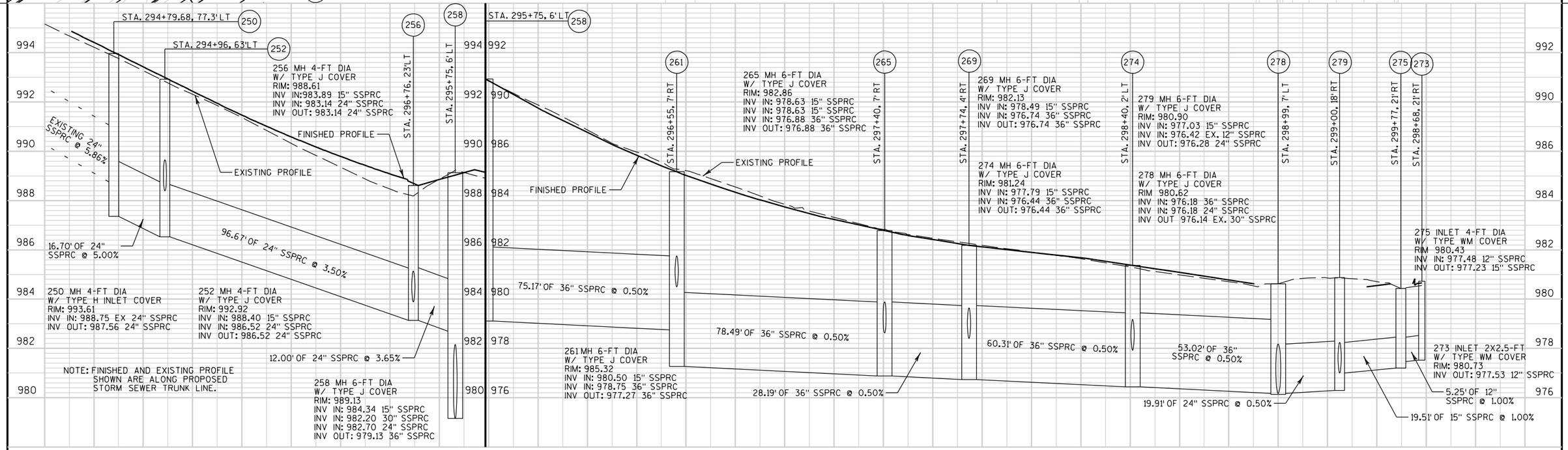




PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	STORM SEWER PLAN	SHEET 72	E

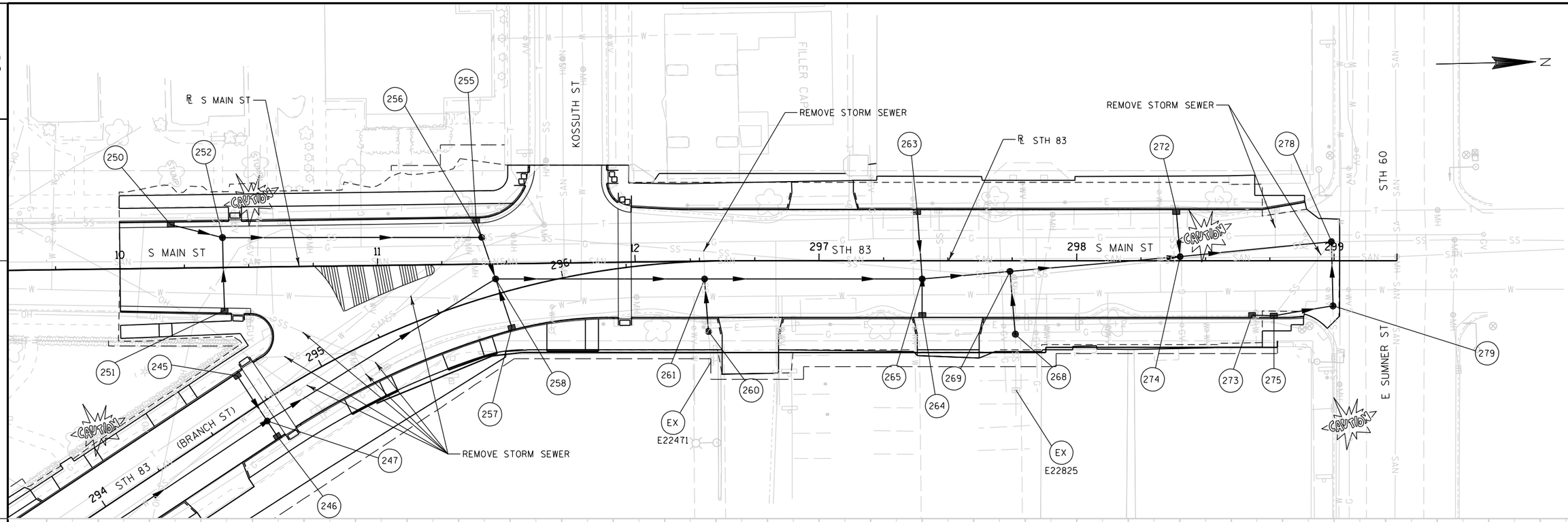
2

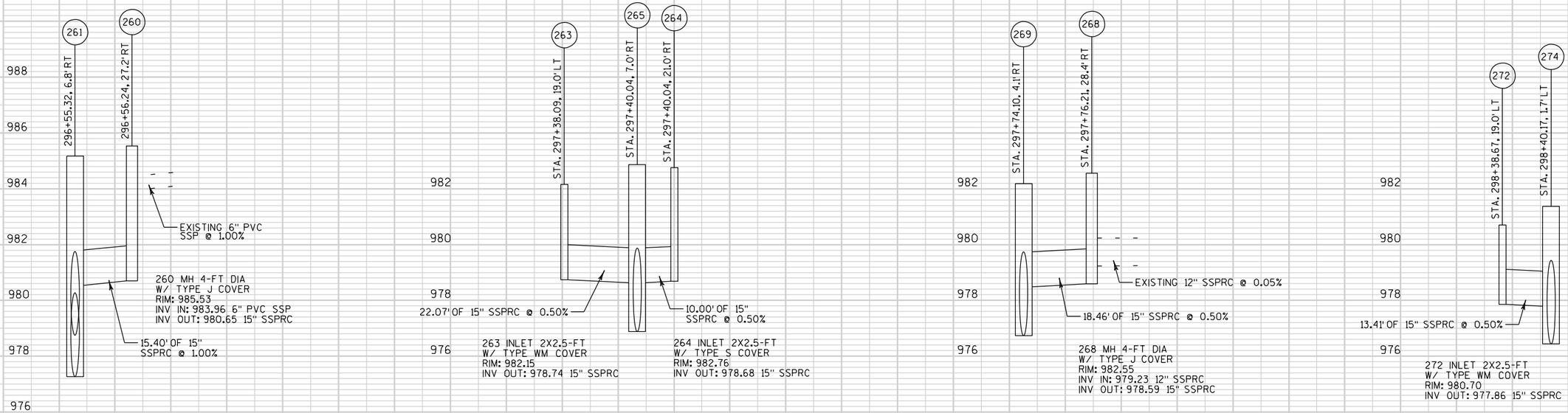




PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	STORM SEWER PLAN	SHEET 73	E

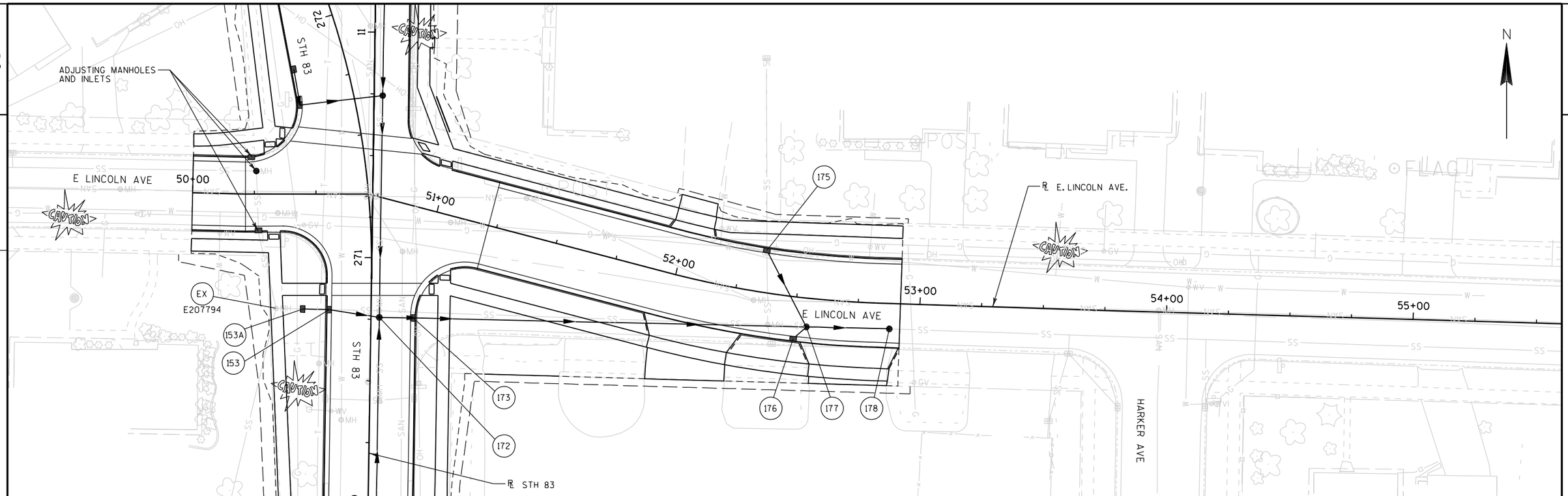
2

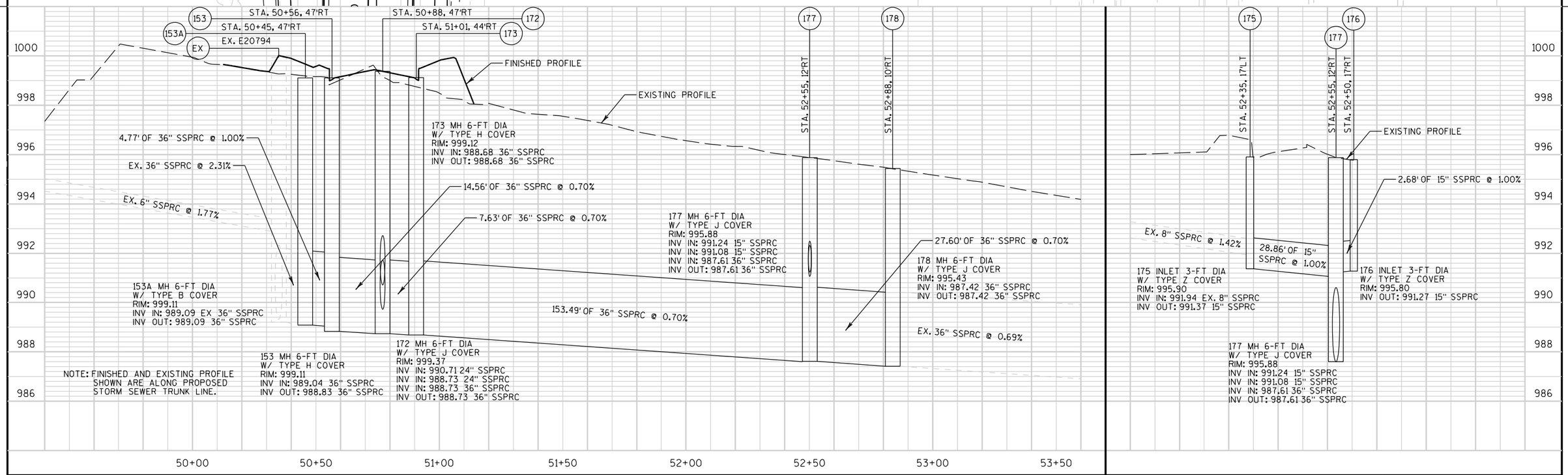




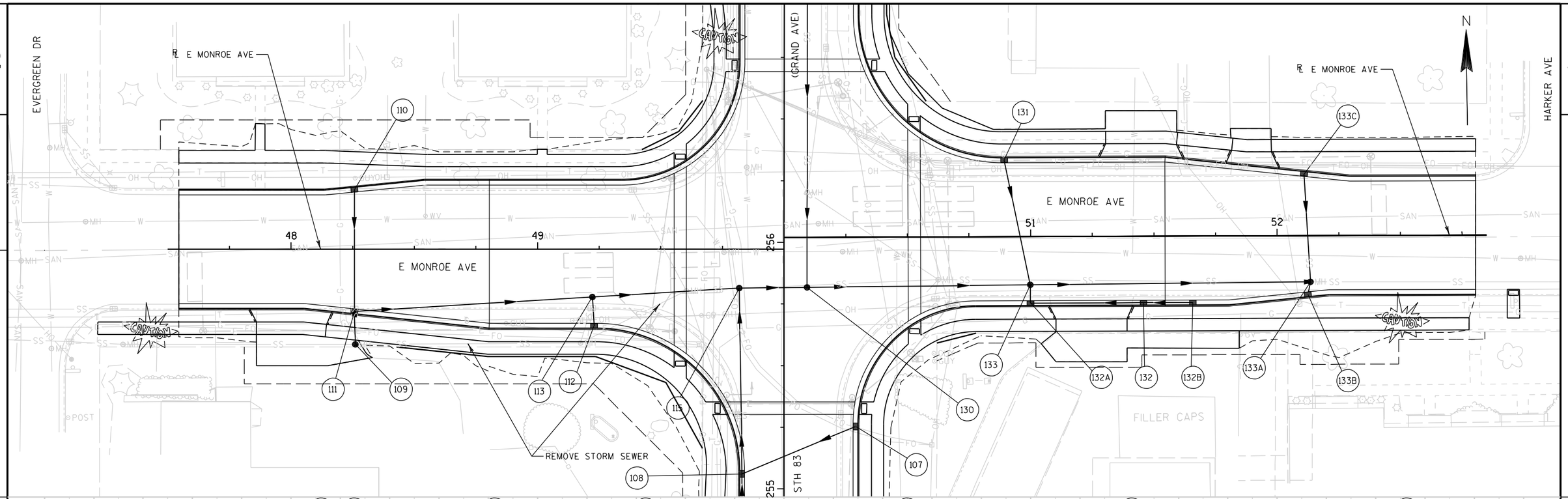
PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	STORM SEWER PLAN	SHEET 74	E

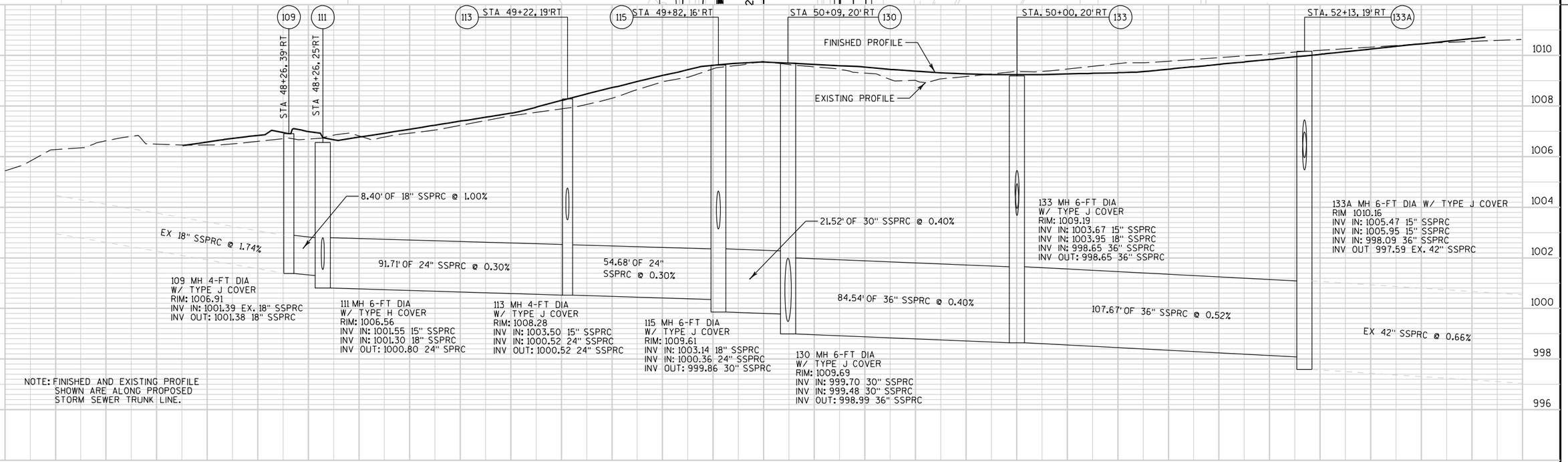
2





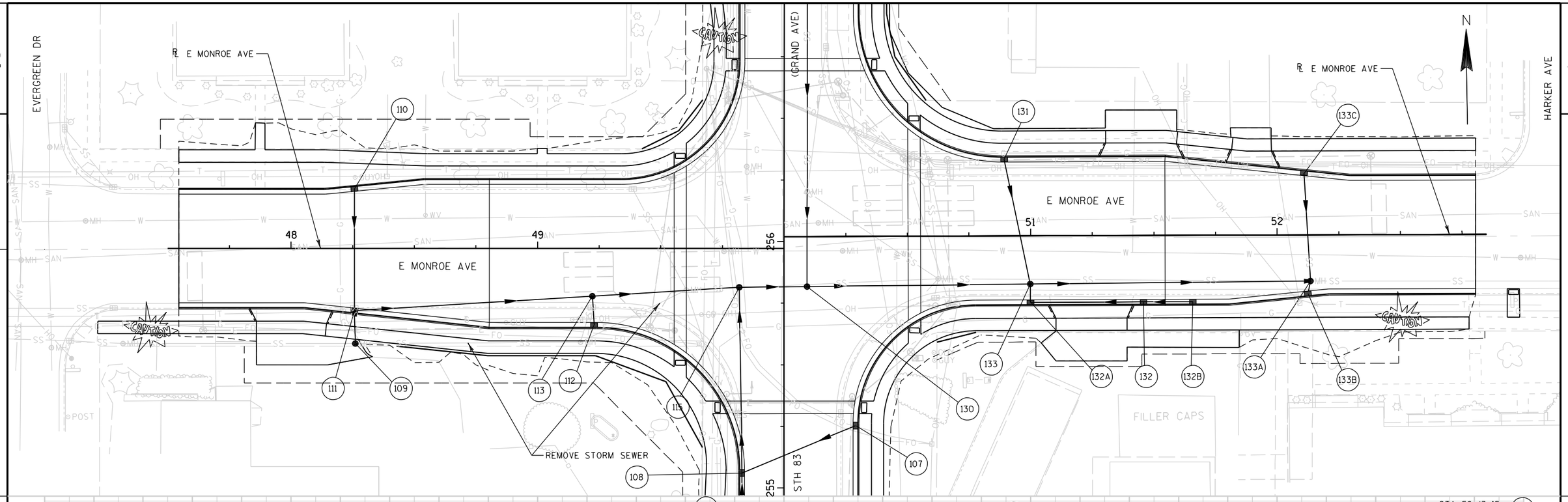
PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	STORM SEWER PLAN - E. LINCOLN AVE.	SHEET 75	E

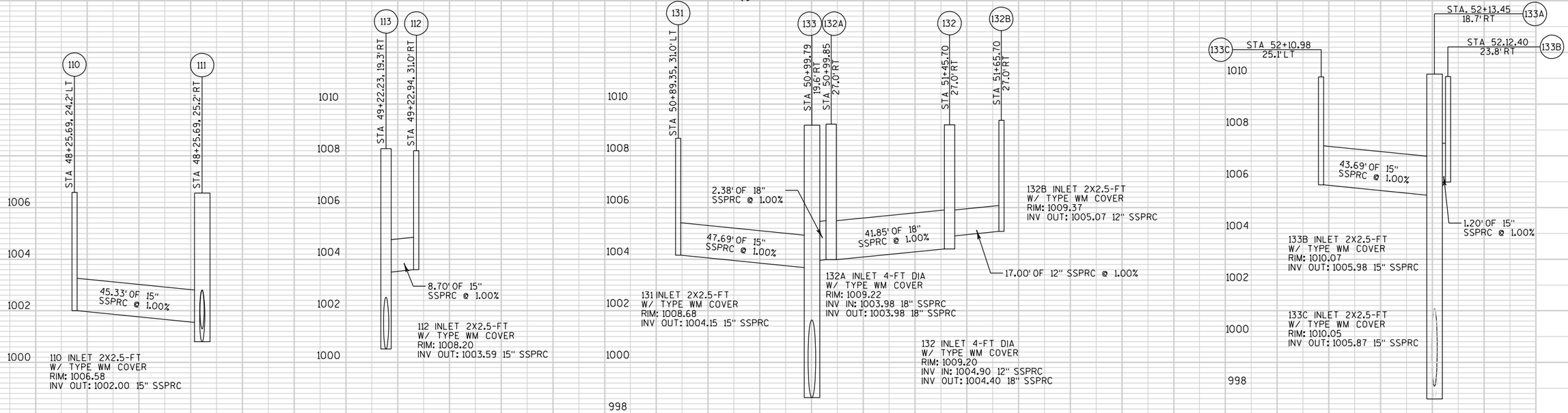




NOTE: FINISHED AND EXISTING PROFILE SHOWN ARE ALONG PROPOSED STORM SEWER TRUNK LINE.

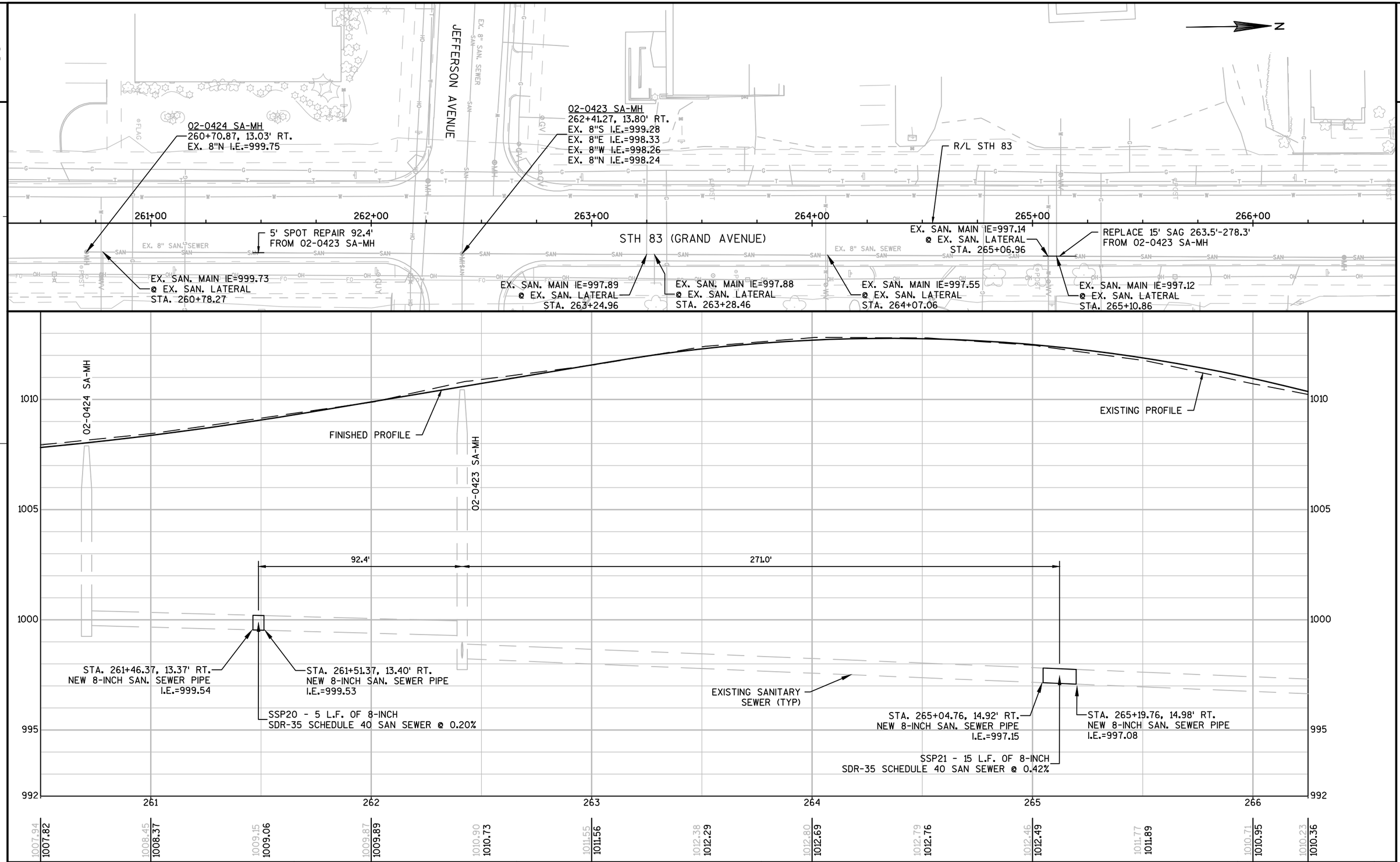
PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	STORM SEWER PLAN - E. MONROE AVE.	SHEET 76	E





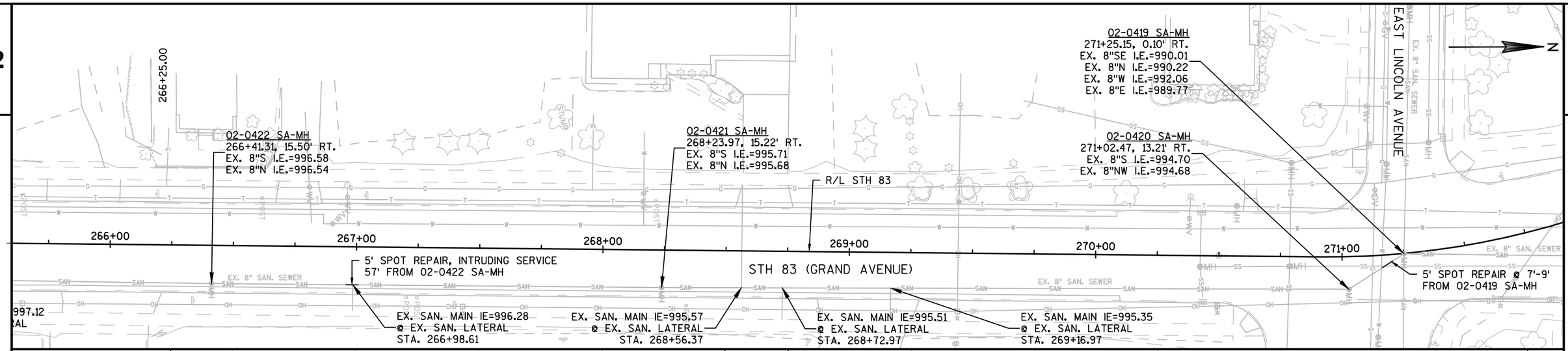
PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	STORM SEWER PLAN - E. MONROE AVE.	SHEET 77	E

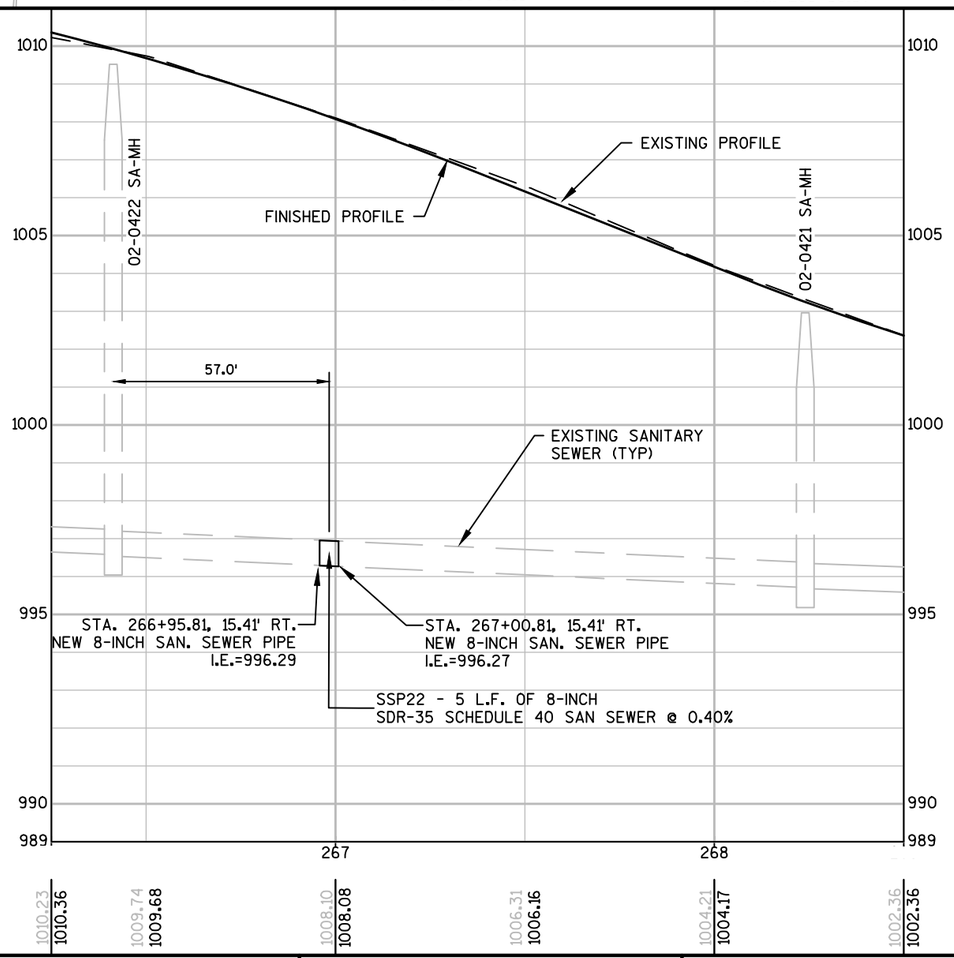
2

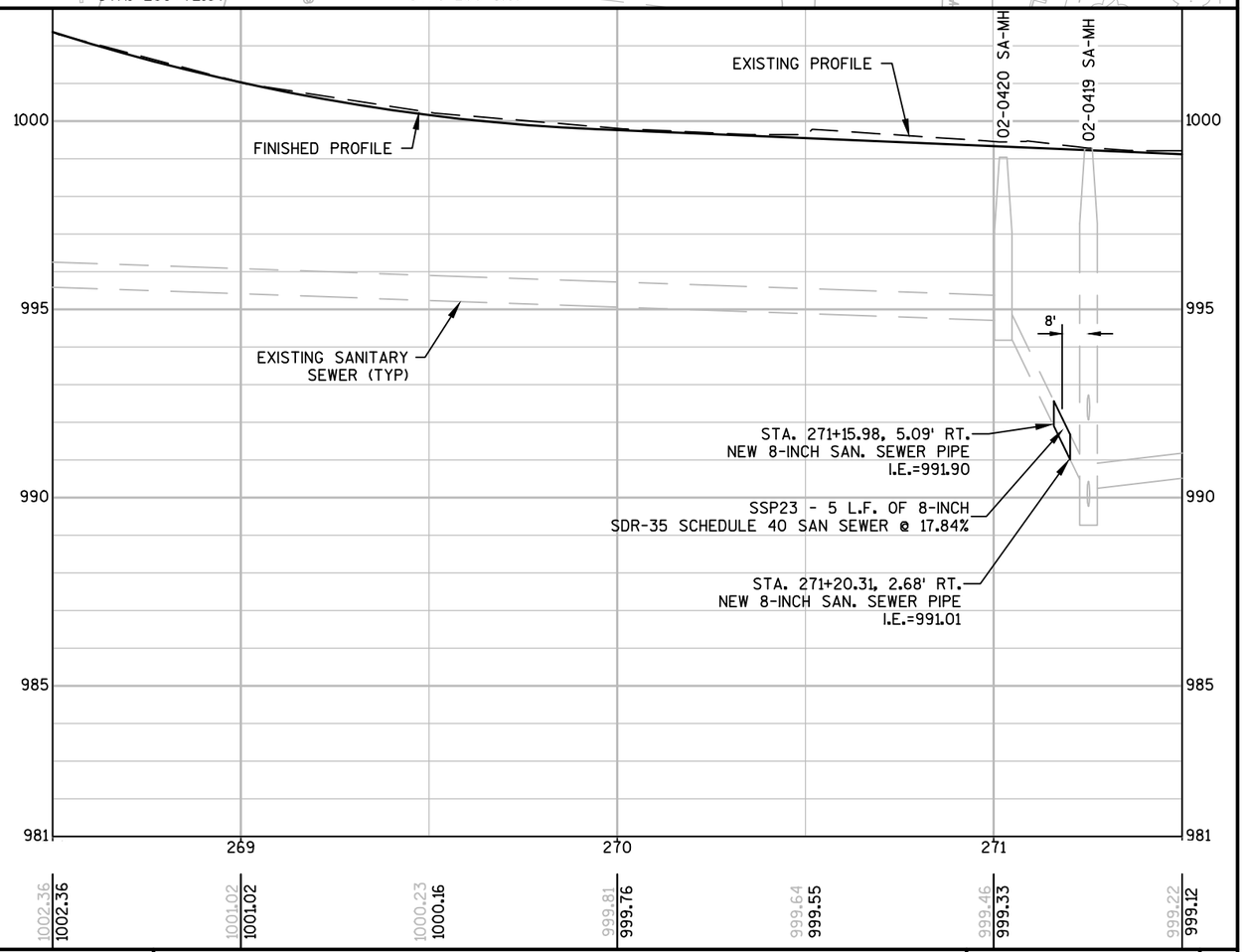


PROJECT NO: 1330-24-71	HWY: STH 83	COUNTY: WASHINGTON	SANITARY SEWER REPLACEMENT	SHEET	E

FILE NAME : H:\2014 PROJECTS\140018\DWGS\GRAND AVENUE_SAN_PP.DWG PLOT DATE : 4/30/2015 12:32 PM PLOT BY : RICK SPANGENBERGER PLOT NAME : PLOT SCALE : 1"=40'_XREF
WISDOT/CADDS SHEET 41







PROJECT NO: 1330-24-71	HWY: STH 83	COUNTY: WASHINGTON	SANITARY SEWER REPLACEMENT	SHEET	E

FILE NAME : H:\2014 PROJECTS\140018\DWGS\GRAND AVENUE_SAN_PP.DWG
PLOT DATE : 4/30/2015 12:33 PM
PLOT BY : RICK SPANGENBERGER PLOT NAME :
PLOT SCALE : 1"=40'_XREF
WISDOT/CADDS SHEET 41

2

EX. SAN. MAIN IE=995.13
@ EX. SAN. LATERAL
STA. 275+46.18

EX. SAN. MAIN IE=994.77
@ EX. SAN. LATERAL
STA. 275+13.98

EX. SAN. MAIN IE=994.56
@ EX. SAN. LATERAL
STA. 274+95.18

EX. SAN. MAIN IE=993.96
@ EX. SAN. LATERAL
STA. 274+42.28

EX. SAN. MAIN IE=993.17
@ EX. SAN. LATERAL
STA. 273+71.98

EX. SAN. MAIN IE=992.45
@ EX. SAN. LATERAL
STA. 273+07.98

EAST LINCOLN AVENUE

EAST WASHINGTON AVENUE

EX. SAN. MAIN IE
@ EX. LATERAL
UNAVAILABLE

R/L
STH 83

02-0395 SA-MH
(REPLACE MANIFOLE)
271+91.40, 14.24' RT.
EX. 8"NW I.E.=993.12
EX. 8"N I.E.=991.33
EX. 8"S I.E.=991.01
NEW 8"NW I.E.=991.11

EX. SAN. MAIN IE=993.15
@ EX. SAN. LATERAL
STA. 273+69.78

271+00

272+00

273+00

274+00

275+00

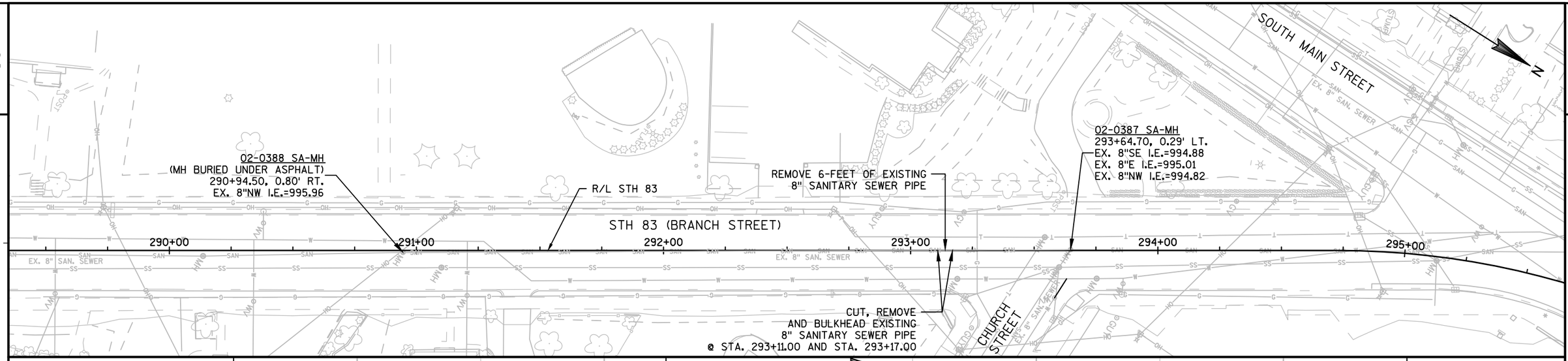
276+00

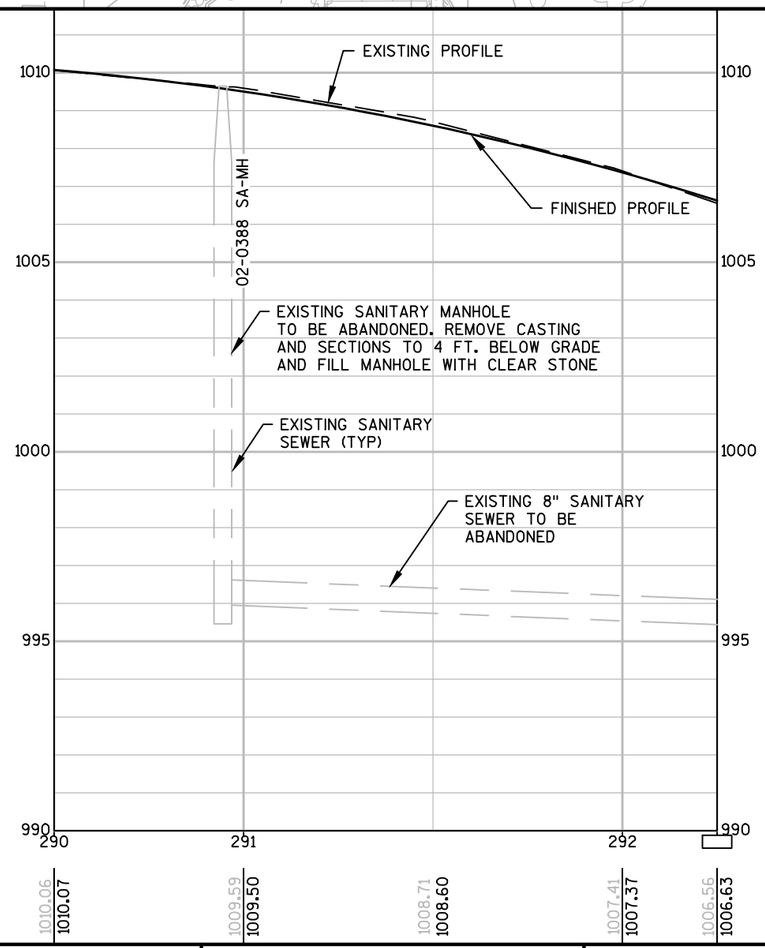
STH 83 (BRANCH STREET)

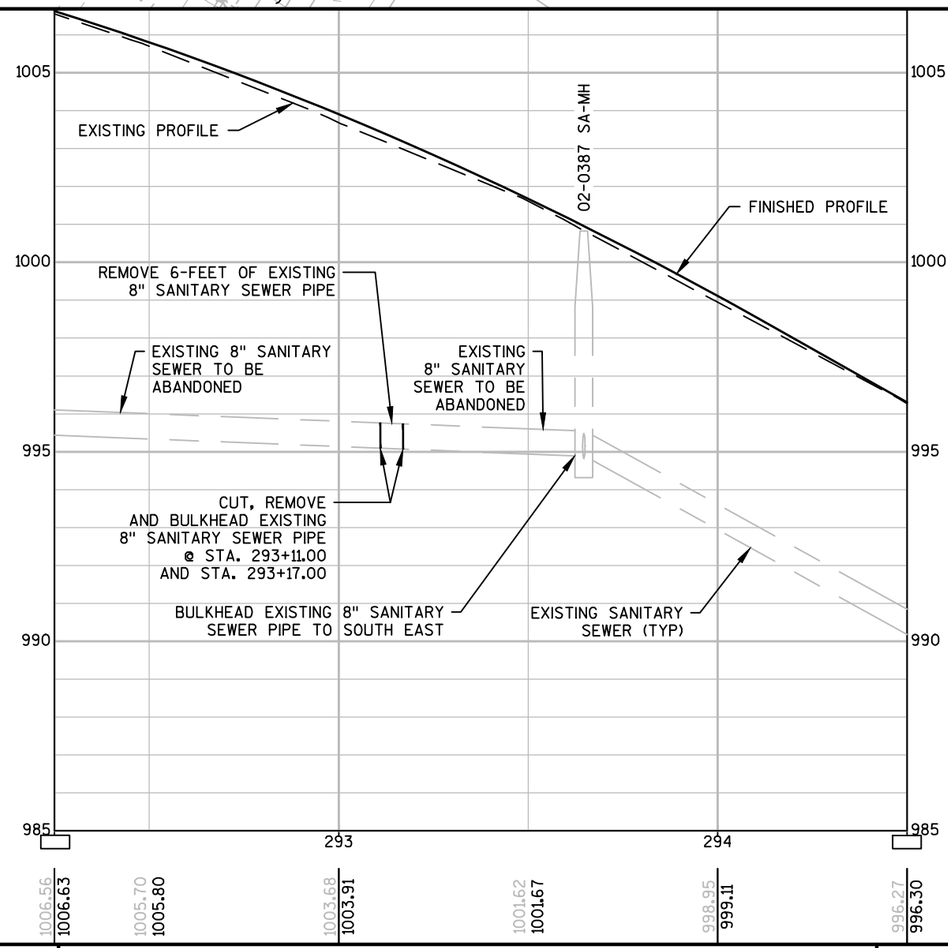
EX. 8" SAN. SEWER

EX. 8" SAN. SEWER

EX. 8" SAN. SEWER

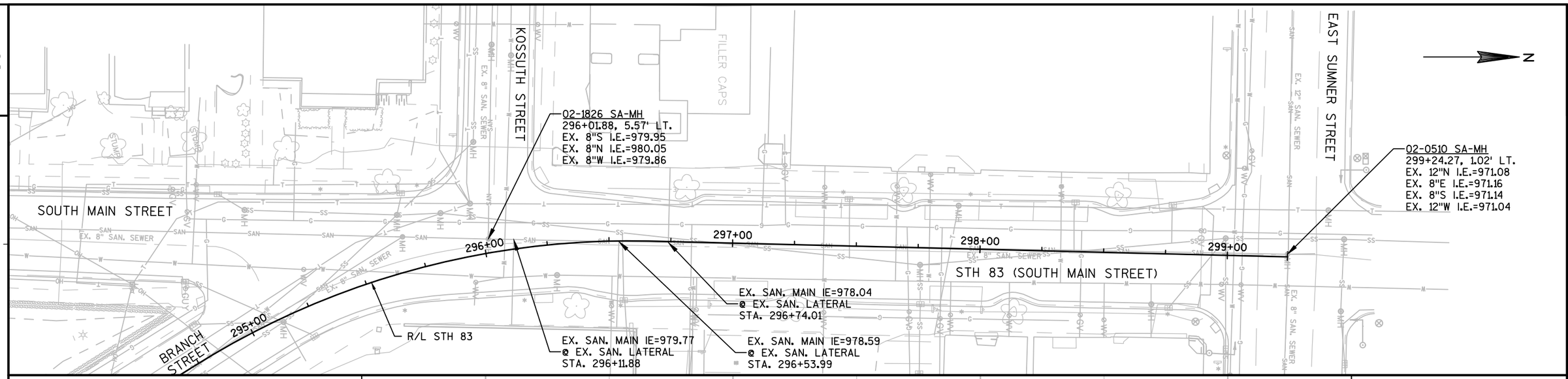


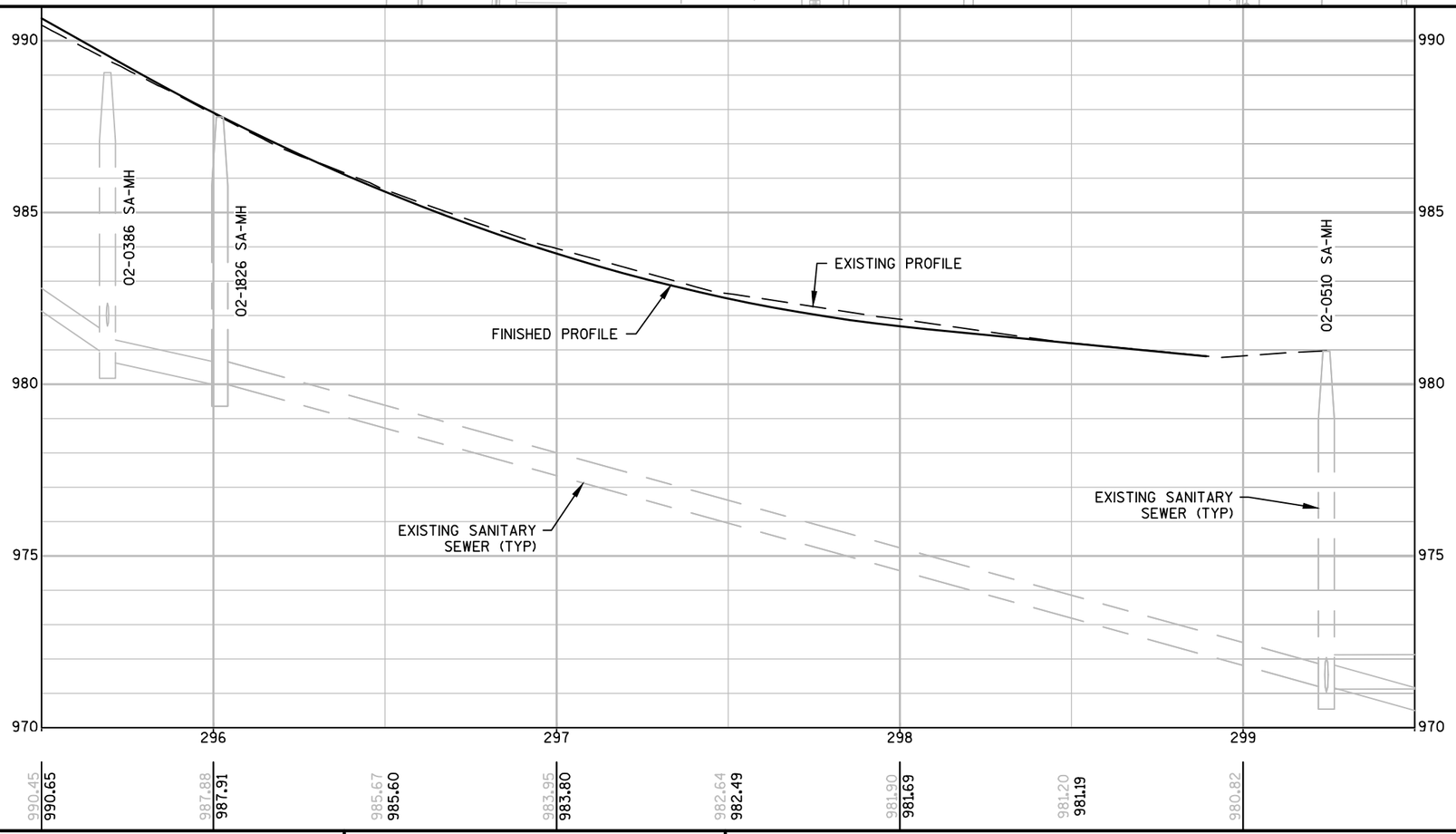




PROJECT NO: 1330-24-71	HWY: STH 83	COUNTY: WASHINGTON	SANITARY SEWER REPLACEMENT	SHEET E

FILE NAME : H:\2014 PROJECTS\140018\DWGS\BRANCH STREET2_SAN_PP.DWG PLOT DATE : 4/30/2015 12:34 PM PLOT BY : RICK SPANGENBERGER PLOT NAME : PLOT SCALE : 1"=40'_XREF
WISDOT/CADDS SHEET 41





PROJECT NO: 1330-24-71	HWY: STH 83	COUNTY: WASHINGTON	SANITARY SEWER REPLACEMENT	SHEET 82	E

STA. 47+53.87, 15.80' LT.
INSTALL 10-INCH 45 DEG BEND
AND CONCRETE BUTTRESS

INSTALL WATER MAIN
10-INCH 78 L.F.

RECONNECT 4" LATERAL

INSTALL WATER MAIN
10-INCH 101 L.F.

STA. 48+55.15, 16.57' LT.
INSTALL 10" WATER VALVE BOX
(WITH 4" REDUCER)

INSTALL WATER MAIN
10-INCH 6 L.F.

EX. 10" WATER MAIN

48+00

49+00

EAST MONROE AVENUE

R/L E. MONROE AVE.

ABANDON EX. 10"
D.I. WATER MAIN

STA. 47+49.99, 11.77' LT.
CONNECT TO EX. 10" D.I. WM
WITH 45 DEG BEND
AND CONCRETE BUTTRESS

AFTER DISINFECTION OF
NEW 10" D.I. WATER MAIN,
ABANDON EX. 10" D.I WATER MAIN

STA. 49+57.20, 17.36' LT.
INSTALL 10-INCH 45 DEG BEND
AND CONCRETE BUTTRESS

INSTALL WATER MAIN
10-INCH 17 L.F.

STA. 49+40.20, 17.23' LT.
INSTALL 10" WATER VALVE BOX

INSTALL WATER MAIN
10-INCH 7 L.F.

NEW HYDRANT AND ASSEMBLY

STA. 49+32.74, 17.17' LT.
INSTALL 10X6 HYDRANT TEE

STH 83
(GRAND AVENUE)

INSTALL WATER MAIN
10-INCH 28 L.F.

STA. 49+74.30, 4.88' RT.
INSTALL 10-INCH 45 DEG BEND
AND CONCRETE BUTTRESS

INSTALL WATER MAIN
10-INCH 16 L.F.

STA. 49+90.05, 4.81' RT.
INSTALL 10X10 TEE
AND CONCRETE BUTTRESS

INSTALL WATER MAIN
10-INCH 7 L.F.

STA. 49+97.49, 4.78' RT.
INSTALL 10-INCH VERTICAL OFFSET

INSTALL WATER MAIN
10-INCH 8 L.F.

STH 83
(GRAND AVENUE)

TEMPORARY 10" D.I. WATER MAIN. CONNECT NEW WATER MAIN TO EX. WATER MAIN
WITH TWO (2) 22.5 DEG BENDS, FOR PHASE 1. TEMPORARY CONNECTION TO BE
REMOVED AND NEW CONNECTION MADE AFTER PHASE 2 WATER MAIN IS COMPLETE.

NEW 10" D.I. WATER MAIN
AND NEW 10" WATER VALVE
BOX TO BE CONSTRUCTED
IN PHASE 1.

AFTER DISINFECTION OF
NEW 10" D.I. WATER MAIN,
ABANDON EX. 10" D.I WATER MAIN
INSTALL 10" CAP AT TEE
WITH CONCRETE BUTTRESS

STA. 50+46.30, 9.04' RT.
INSTALL 10X10 TEE
AND CONCRETE BUTTRESS

INSTALL WATER MAIN
10-INCH 4 L.F.

STA. 50+46.28, 13.41' RT.
INSTALL 10" WATER VALVE BOX
CONNECT TO EXISTING MAIN

INSTALL WATER MAIN
10-INCH 31 L.F.

50+00

51+00

52+00

EX. 10" WATER MAIN

RECONNECT 2"
LATERAL

RECONNECT
1-1/2" LATERAL

STA. 50+69.29, 9.20' RT.
INSTALL 10" WATER VALVE BOX

INSTALL WATER MAIN
10-INCH 23 L.F.

INSTALL WATER MAIN
10-INCH 26 L.F.

STA. 50+20.49, 9.63' RT.
INSTALL 10-INCH VERTICAL OFFSET

INSTALL WATER MAIN
10-INCH 8 L.F.

STA. 50+12.49, 9.64' RT.
INSTALL 10-INCH VERTICAL OFFSET

INSTALL WATER MAIN
10-INCH 7 L.F.

STA. 50+05.49, 9.64' RT.
INSTALL 10-INCH VERTICAL OFFSET

STA. 52+84.88, 9.00' RT.
CONNECT TO EX. 10" D.I. WM
WITH 45 DEG BEND
AND CONCRETE BUTTRESS

STA. 52+83.11, 10.71' RT.
INSTALL 10-INCH 45 DEG BEND
AND CONCRETE BUTTRESS

STA. 51+00.13, 9.42' RT.
INSTALL 10-INCH GRADE BREAK

EAST MONROE AVENUE

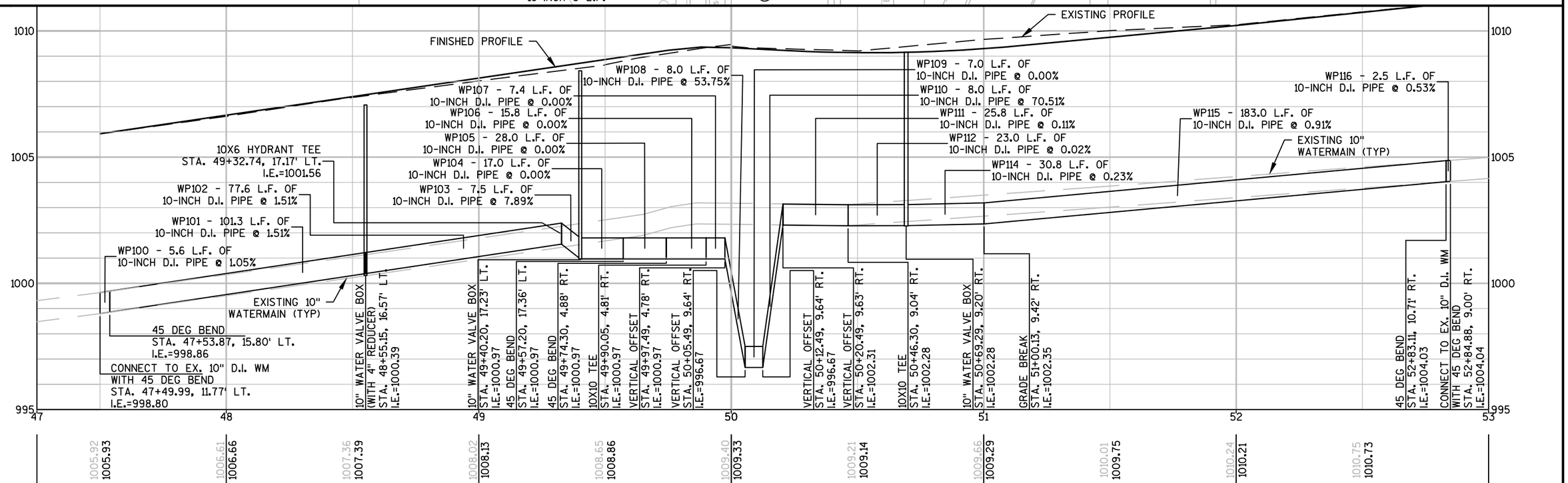
INSTALL WATER MAIN
10-INCH 2 L.F.

INSTALL WATER MAIN
10-INCH 183 L.F.

INSTALL WATER MAIN
10-INCH 8 L.F.

N

2



PROJECT NO: 1330-24-71	HWY: STH 83	COUNTY: WASHINGTON	WATER MAIN REPLACEMENT	SHEET 83	E

2

EAST MONROE AVENUE

STA. 256+25.08, 10.45' LT.
INSTALL 10-INCH WATER VALVE BOX

TEMPORARY 10" D.I. WATER MAIN. CONNECT NEW WATER MAIN TO EX. WATER MAIN WITH TWO (2) 22.5 DEG BENDS, FOR PHASE 1. TEMPORARY CONNECTION TO BE REMOVED AND NEW CONNECTION MADE AFTER PHASE 2 WATER MAIN IS COMPLETE.

STA. 257+34.00, 9.91' LT.
INSTALL 10-INCH GRADE BREAK

AFTER DISINFECTION OF NEW 10" D.I. WATER MAIN, ABANDON EX. 10" D.I WATER MAIN

STA. 258+75.00, 9.04' LT.
INSTALL 10-INCH GRADE BREAK

STA. 260+77.47, 7.81' LT.
RECONNECT 2-INCH WATER LATERAL

STA. 260+00.00, 8.28' LT.
INSTALL 10-INCH GRADE BREAK

STA.
INSTALL 10

N

256+00 257+00 258+00 259+00 260+00 261+00

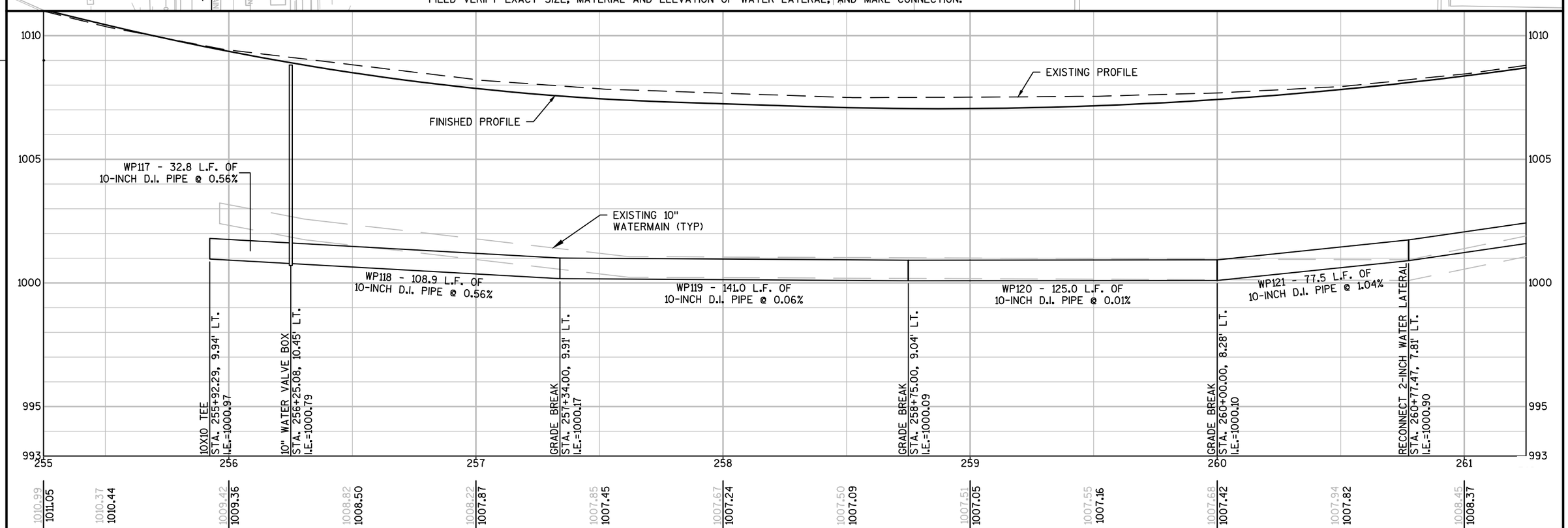
STA. 255+92.29, 9.94' LT.
INSTALL 10X10 TEE

STH 83
(GRAND AVENUE)

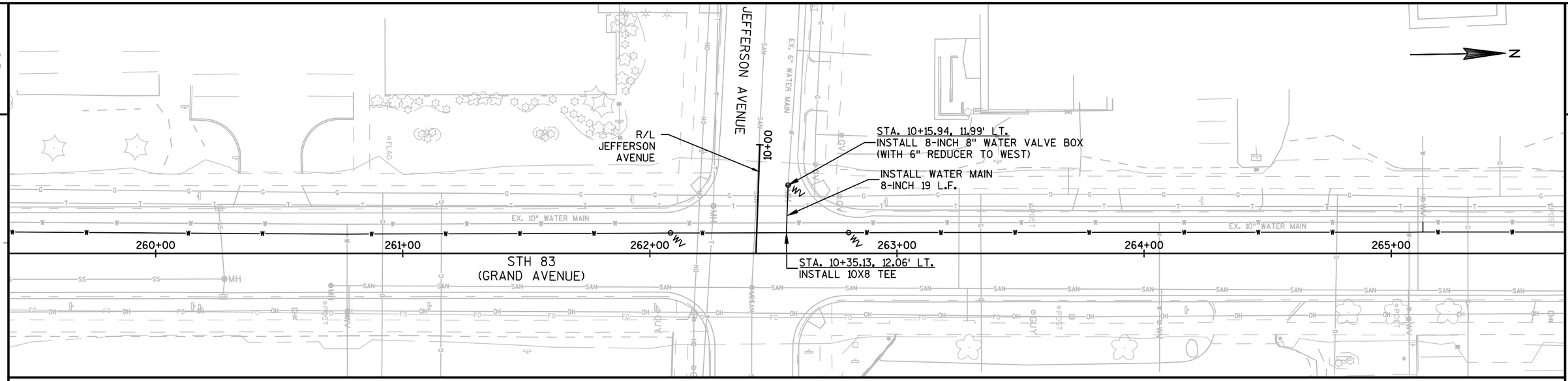
NEW 10" D.I. WATER MAIN AND NEW 10" WATER VALVE BOX TO BE CONSTRUCTED IN PHASE 1.

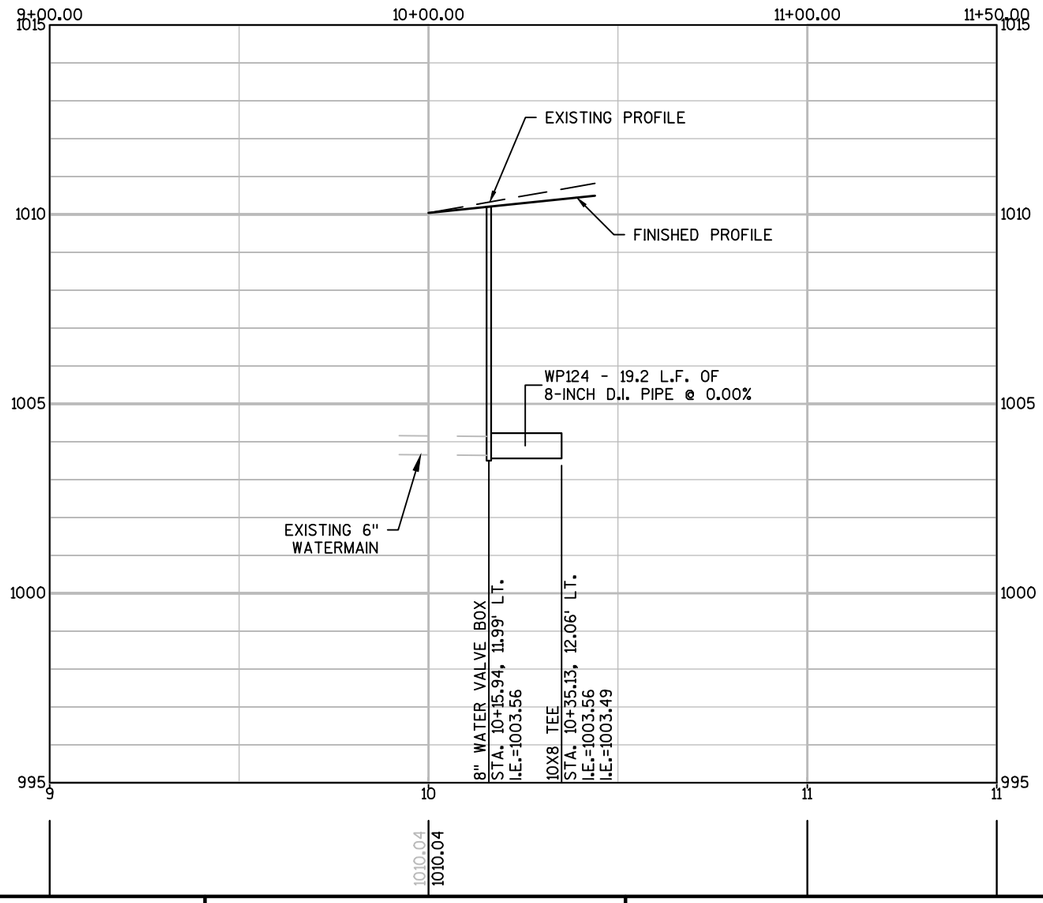
R/L STH 83

NOTE:
WATER LATERAL INFORMATION SIZE AND MATERIAL IS BASED OFF OBSERVATION OF THE SERVICE INSIDE THE BASEMENTS OF THE BUILDINGS. LATERAL SIZES AND MATERIALS MAY BE DIFFERENT IN THE STREET. OBSERVATIONS MADE BY CITY OF HARTFORD WATER DEPARTMENT. CONTRACTOR TO FIELD VERIFY EXACT SIZE, MATERIAL AND ELEVATION OF WATER LATERAL, AND MAKE CONNECTION.



PROJECT NO: 1330-24-71	HWY: STH 83	COUNTY: WASHINGTON	WATER MAIN REPLACEMENT	SHEET 84	E





PROJECT NO: 1330-24-71	HWY: STH 83	COUNTY: WASHINGTON	WATER MAIN REPLACEMENT	SHEET	E

FILE NAME : H:\2014 PROJECTS\140018\DWGS\JEFFERSON AVENUE_WAT_PP.DWG PLOT DATE : 4/30/2015 12:36 PM PLOT BY : RICK SPANGENBERGER PLOT NAME : PLOT SCALE : 1"=40'_XREF

NOTE:
WATER LATERAL INFORMATION SIZE AND MATERIAL IS BASED OFF OBSERVATION OF THE SERVICE INSIDE THE BASEMENTS OF THE BUILDINGS. LATERAL SIZES AND MATERIALS MAY BE DIFFERENT IN THE STREET. OBSERVATIONS MADE BY CITY OF HARTFORD WATER DEPARTMENT. CONTRACTOR TO FIELD VERIFY EXACT SIZE, MATERIAL AND ELEVATION OF WATER LATERAL, AND MAKE CONNECTION.

JEFFERSON AVENUE

AFTER DISINFECTION OF NEW 10" D.I. WATER MAIN, ABANDON EX. 10" D.I WATER MAIN

STA. 262+08.31, 8.23' LT.
INSTALL 10" WATER VALVE BOX

STA. 262+55.29, 8.38' LT.
INSTALL 10X8 TEE

STA. 262+80.38, 8.41' LT.
INSTALL 10" WATER VALVE BOX

STA. 264+06.18, 8.53' LT.
RECONNECT 1-INCH WATER LATERAL

INSTALL WATER LATERAL
3/4-INCH 4 L.F.
(CONNECT TO EX. 3/4" WATER LATERAL)

STA. 265+12.82, 8.63' LT.
RECONNECT 3/4-INCH WATER LATERAL

STA. 265+07.22, 8.62' LT.
RECONNECT 1 1/4-INCH WATER LATERAL

CONNECT NEW 10" D.I. WATER MAIN TO EXISTING 10" GATE VALVE (CONTRACTOR TO VERIFY EXACT LOCATION AND ELEVATION OF GATE VALVE AND MAKE CONNECTION)

STA. 266+81.94, 5.55' LT.
RECONNECT 3/4" WATER LATERAL

STA. 266+06.04, 8.71' LT.
INSTALL 10-INCH 11.25 DEG BEND

EX. 10" WATER MAIN

262+00 263+00 264+00 265+00 266+00 267+00

STH 83
(GRAND AVENUE)

R/L STH 83

FINISHED PROFILE

EXISTING PROFILE

WP123 - 47.0 L.F. OF 10-INCH D.I. PIPE @ 1.45%

WP125 - 25.1 L.F. OF 10-INCH D.I. PIPE @ 1.45%

WP122 - 130.8 L.F. OF 10-INCH D.I. PIPE @ 1.45%

WP126 - 125.8 L.F. OF 10-INCH D.I. PIPE @ 1.45%

EXISTING 10" WATERMAIN (TYP)

WP128 - 5.6 L.F. OF 10-INCH D.I. PIPE @ 1.67%

WP127 - 101.0 L.F. OF 10-INCH D.I. PIPE @ 0.29%

WP130 - 93.2 L.F. OF 10-INCH D.I. PIPE @ 1.67%

WP131 - 84.1 L.F. OF 10-INCH D.I. PIPE @ 2.94%

EXISTING 10" WATER MAIN

1010 1005 1000 995 994

10" WATER VALVE BOX
STA. 262+08.31, 8.23' LT.
I.E.=1002.81

10X8 TEE
STA. 262+55.29, 8.38' LT.
I.E.=1003.49
I.E.=1003.56

10" WATER VALVE BOX
STA. 262+80.38, 8.41' LT.
I.E.=1003.85

RECONNECT 1-INCH WATER LATERAL
STA. 264+06.18, 8.53' LT.
I.E.=1005.68

RECONNECT 1 1/4-INCH WATER LATERAL
STA. 265+07.22, 8.62' LT.
I.E.=1005.39

RECONNECT 3/4-INCH WATER LATERAL
STA. 265+12.82, 8.63' LT.
I.E.=1005.29

11.25 DEG BEND
STA. 266+06.04, 8.71' LT.
I.E.=1003.74

RECONNECT 3/4-INCH WATER LATERAL
STA. 266+81.94, 5.55' LT.
I.E.=1001.53

EX. 10" GATE VALVE
STA. 266+90.14, 5.20' LT.
I.E.=1001.26

262 263 264 265 266 267

1008.80	1008.70	1009.15	1009.06	1009.87	1009.89	1010.90	1010.73	1011.55	1011.56	1012.38	1012.29	1012.80	1012.69	1012.79	1012.76	1012.46	1012.49	1011.77	1011.89	1010.71	1010.95	1009.74	1009.68	1008.10	1008.08

PROJECT NO: 1330-24-71	HWY: STH 83	COUNTY: WASHINGTON	WATER MAIN REPLACEMENT	SHEET	E

FILE NAME : H:\2014 PROJECTS\140018\DWGS\GRAND AVENUE_WAT_PP.DWG PLOT DATE : 4/30/2015 12:36 PM PLOT BY : RICK SPANGENBERGER PLOT NAME : PLOT SCALE : 1"=40'_XREF
WISDOT/CADDS SHEET 41

CONNECT NEW 10" D.I. WATER MAIN TO EXISTING 10" GATE VALVE (CONTRACTOR TO VERIFY EXACT LOCATION AND ELEVATION OF GATE VALVE AND MAKE CONNECTION)

AFTER DISINFECTION OF NEW 10" D.I. WATER MAIN, ABANDON EX. 10" D.I WATER MAIN

REPLACE HYDRANT AND 6-INCH HYDRANT LEAD WITH VALVE

STA. 270+38.01, 6.73' LT.
INSTALL 10X6 HYDRANT TEE

STA. 270+32.89, 6.80' LT.
INSTALL 10-INCH WATER VALVE BOX (WITH 45 DEG BEND)

STA. 270+28.92, 10.79' LT.
INSTALL 10-INCH 45 DEG BEND (CONNECT TO EX. 10X6 TEE)

STA. 271+17.10, 6.98' LT.
INSTALL 10X8 CROSS

STA. 271+56.57, 2.19' LT.
INSTALL 10-INCH VERTICAL OFFSET

STA. 271+61.62, 1.23' LT.
INSTALL 10-INCH VERTICAL OFFSET

STA. 271+68.13, 0.14' RT.
INSTALL 10-INCH VERTICAL OFFSET

STA. 271+73.10, 1.28' RT.
INSTALL 10-INCH VERTICAL OFFSET

STA. 271+92.98, 6.68' RT.
INSTALL 10" WATER VALVE BOX

STA. 271+98.58, 8.46' RT.
INSTALL 10-INCH 33.75 DEG BEND

STA. 271+99.52, 8.19' RT.
INSTALL 10-INCH 33.75 DEG BEND

STA. 272+03.23, 3.77' RT.
INSTALL 10-INCH 33.75 DEG BEND (CONNECT TO EX. 10" WATER MAIN)

STA. 270+70.06, 7.24' LT.
INSTALL 10-INCH VERTICAL OFFSET

STA. 270+74.56, 7.31' LT.
INSTALL 10-INCH VERTICAL OFFSET

STA. 270+81.56, 7.42' LT.
INSTALL 10-INCH VERTICAL OFFSET

STA. 270+86.06, 7.49' LT.
INSTALL 10-INCH VERTICAL OFFSET

R/L STH 83

STH 83 (GRAND AVENUE)

STH 83 (BRANCH STREET)

GRAND AVENUE

EAST LINCOLN AVENUE

EX. 10" WATER MAIN

EX. 6" WATER MAIN

EX. 10" WATER MAIN

NOTE:
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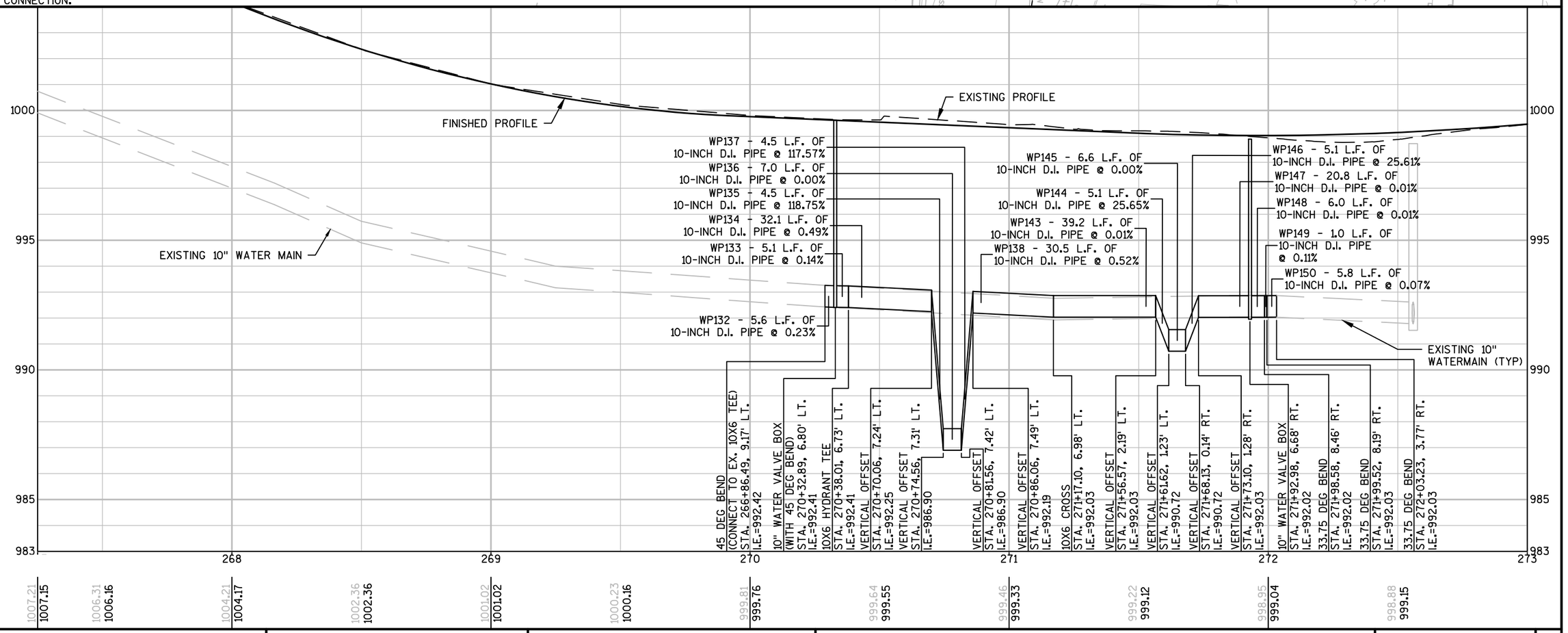
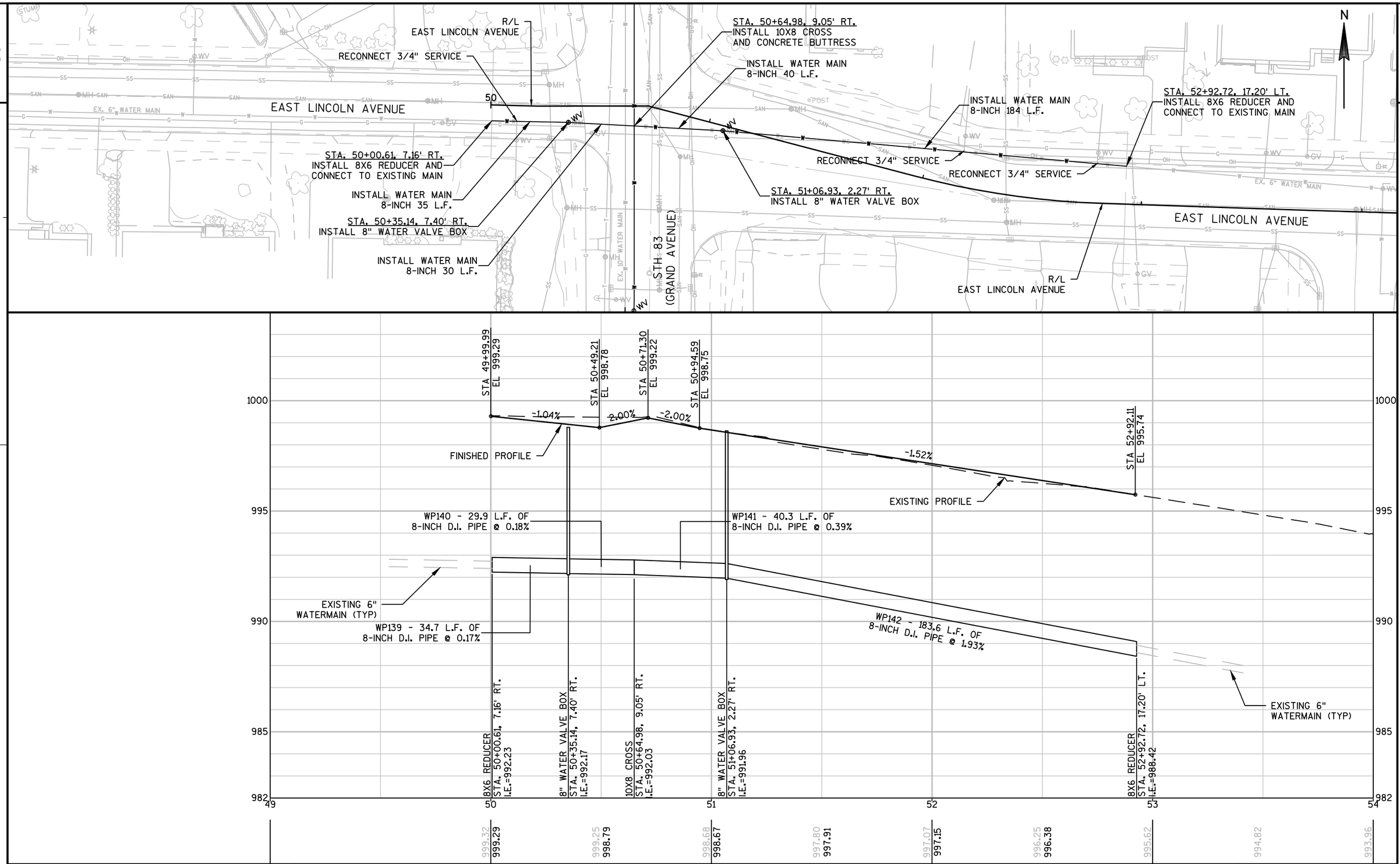


PROJECT NO: 1330-24-71	HWY: STH 83	COUNTY: WASHINGTON	WATER MAIN REPLACEMENT	SHEET	E

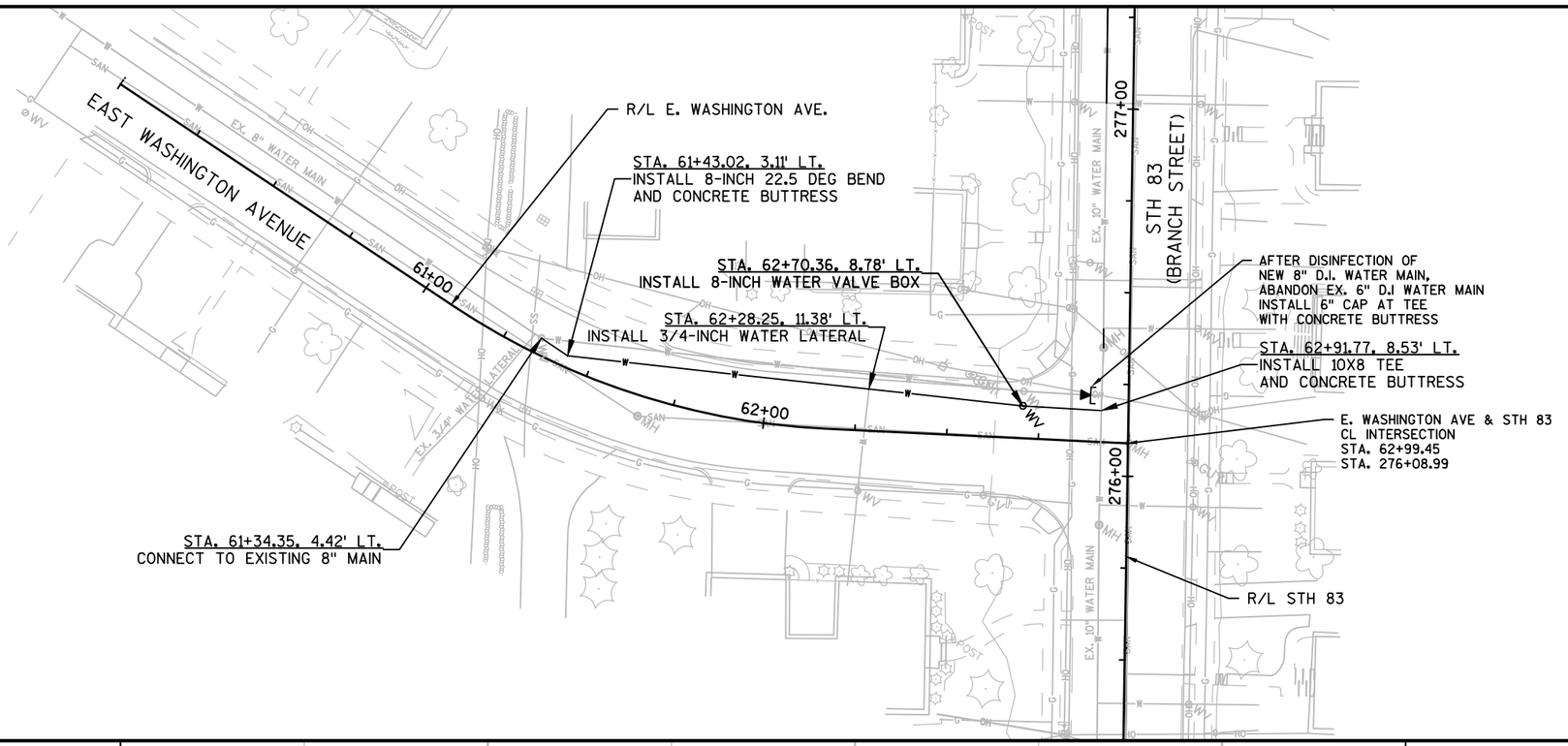
FILE NAME : H:\2014 PROJECTS\140018\DWGS\GRAND AVENUE_WAT_PP.DWG PLOT DATE : 4/30/2015 12:36 PM PLOT BY : RICK SPANGENBERGER PLOT NAME : PLOT SCALE : 1"=40'_XREF
WISDOT/CADDS SHEET 41



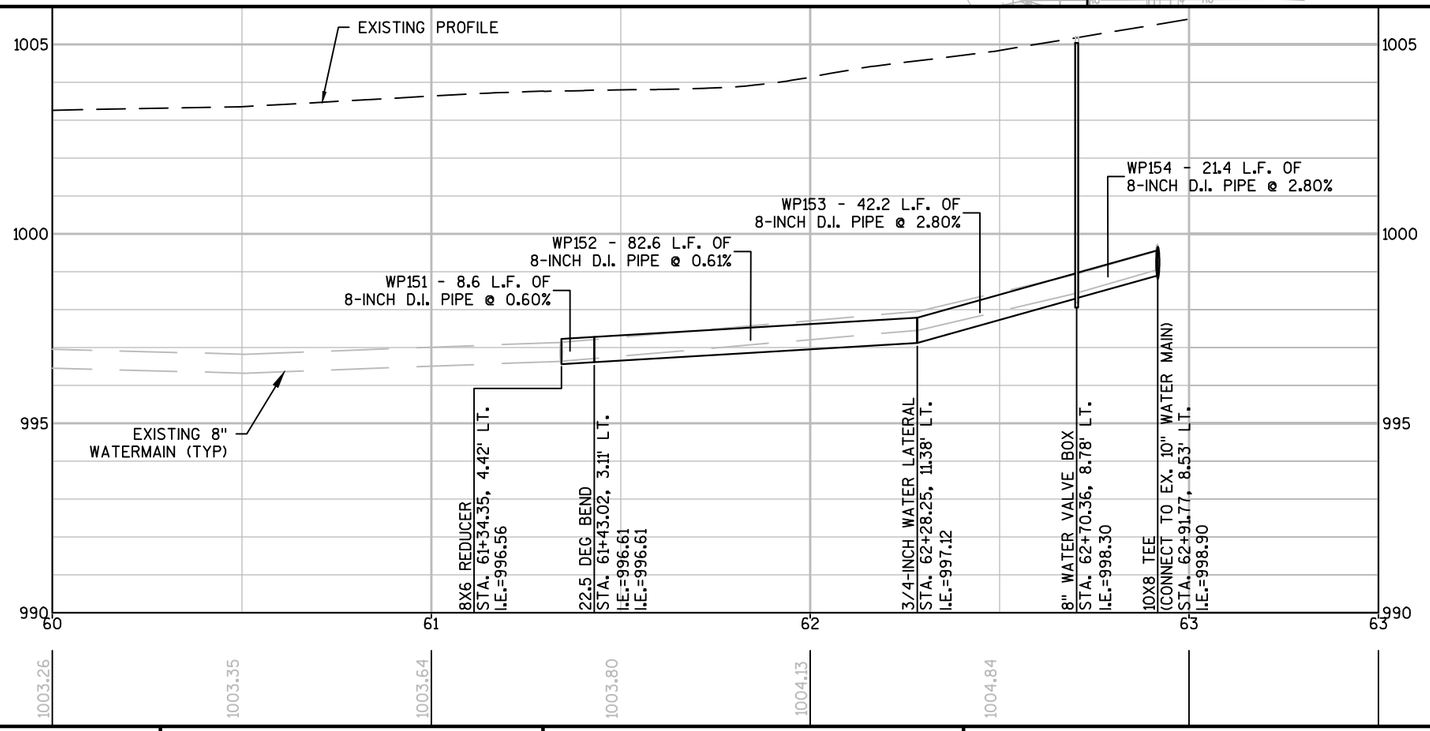
PROJECT NO: 1330-24-71	HWY: STH 83	COUNTY: WASHINGTON	WATER MAIN REPLACEMENT	SHEET 88	E

FILE NAME : H:\2014 PROJECTS\140018\DWGS\LINCOLN AVENUE_WAT_PP.DWG PLOT DATE : 4/30/2015 12:37 PM PLOT BY : RICK SPANGENBERGER PLOT NAME : PLOT SCALE : 1"=40'_XREF

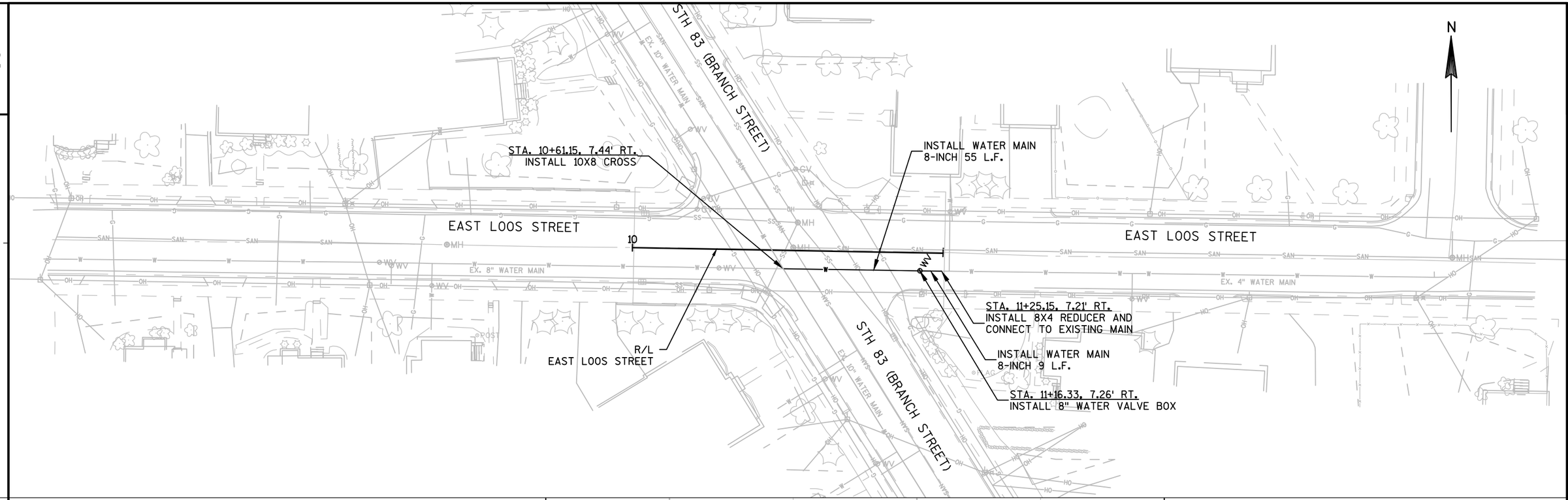
WISDOT/CADDS SHEET 41

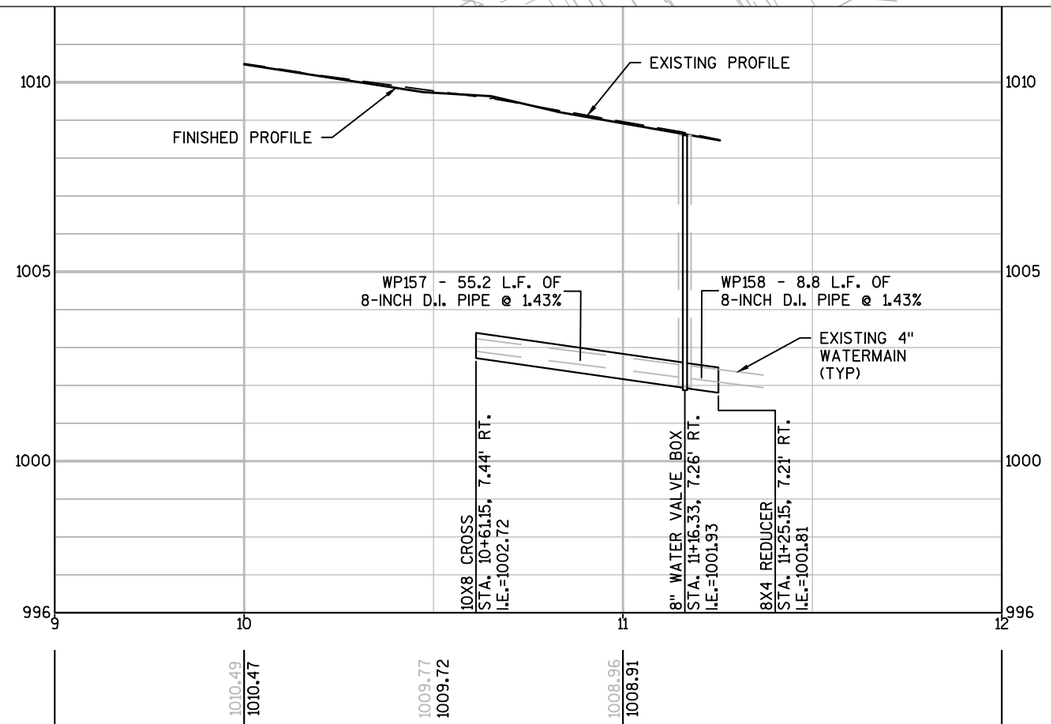


NOTE:
WATER LATERAL INFORMATION SIZE AND MATERIAL IS BASED OFF OBSERVATION OF THE SERVICE INSIDE THE BASEMENTS OF THE BUILDINGS. LATERAL SIZES AND MATERIALS MAY BE DIFFERENT IN THE STREET. OBSERVATIONS MADE BY CITY OF HARTFORD WATER DEPARTMENT. CONTRACTOR TO FIELD VERIFY EXACT SIZE, MATERIAL AND ELEVATION OF WATER LATERAL, AND MAKE CONNECTION.



PROJECT NO: 1330-24-71	HWY: STH 83	COUNTY: WASHINGTON	WATER MAIN REPLACEMENT	SHEET 89	E

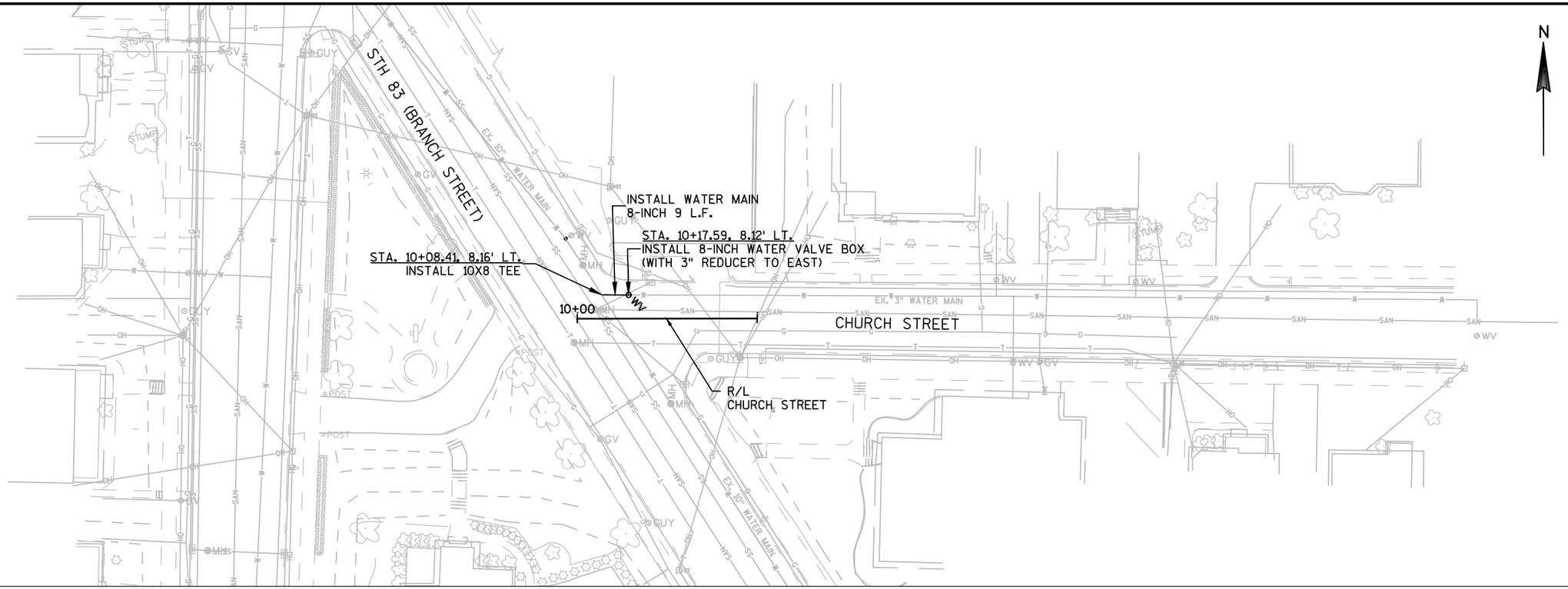


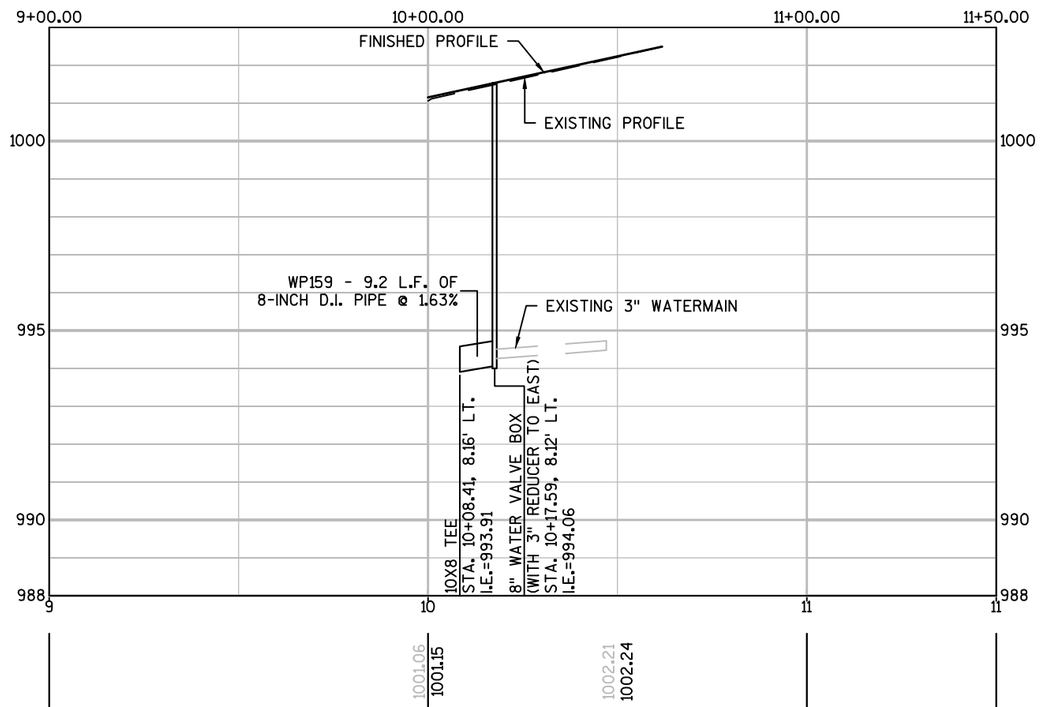


PROJECT NO: 1330-24-71	HWY: STH 83	COUNTY: WASHINGTON	WATER MAIN REPLACEMENT	SHEET 90	E

FILE NAME : H:\2014 PROJECTS\140018\DWGS\LOOS AVENUE_WAT_PP.DWG PLOT DATE : 4/30/2015 12:38 PM PLOT BY : RICK SPANGENBERGER PLOT NAME : PLOT SCALE : 1"=40'_XREF

WISDOT/CADDS SHEET 41





PROJECT NO: 1330-24-71	HWY: STH 83	COUNTY: WASHINGTON	WATER MAIN REPLACEMENT	SHEET 91	E

SIGNING LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED LIGHT OR SIGNAL POLE
- (XXX) DENOTES SIGN NUMBER
- (XX) INDICATES SIGN SIZE
- JCT (11) INDICATES YEAR INSTALLED
- SIGN STRUCTURE
- ESTR EXISTING SIGN TO REMAIN

N

NOTES:
LOCAL STREET SIGNS ARE TO BE REMOVED BY LOCAL MUNICIPALITY AND SHALL NOT BE PLACED ON TOP OF STOP SIGNS.

STH 83 (GRAND AVE)

252 | 252+85 | 253 | 253+56 7.0' RT | 254 | 254+07 | 254+31 | 254+54 | 254+91 | 255 | 255+06 | 255+26 | 256 | 256+79 | 256+99 | 257 | 257+39

250+58*

*EXTEND EDGELINE TO REMOVAL LIMITS

℄ STH 83

℄ E MONROE AVE

MATCHLINE 257+75

101 / 102 — REMOVE — W3-3(2M)

RIDESHARE INFO CALL 1-800-455-POOL — D12-2A MOVE — 103

104 — SOUTH 83 — J4-1(2S)

105 — MOVE

106 — STOP — REMOVE — R1-1F(2S) ON SIGNAL POLE

107 — NORTH 83 / SOUTH 83 — J3-2(2S)

Monroe Ave — REMOVE — Monroe Ave — M1-94 — ON SIGNAL MAST ARM — 110

Monroe Ave — REMOVE — Monroe Ave — M1-94 — ON SIGNAL MAST ARM — 111

108 — STOP — REMOVE — R1-1F(2S) ON SIGNAL POLE

112 — STOP — REMOVE — R1-1F(2S) ON SIGNAL POLE

113 — STOP — REMOVE — R1-1F(2S) ON SIGNAL POLE

114 — NORTH 83 — REMOVE — NORTH 83 — J4-1(2S)

115 — H — REMOVE — H — JH-1(2S)

LOCAL STREET SIGNS MOVE BY LOCAL MUNICIPALITY

116 — SOUTH 83 / NORTH 83 — J3-2(2S)

E MONROE AVE: 11' | 4' | 11' | 18' | 49.5

51 | 18' | 11' | 4' | 12' | 11' | ONLY | ONLY

PAVEMENT MARKING LEGEND

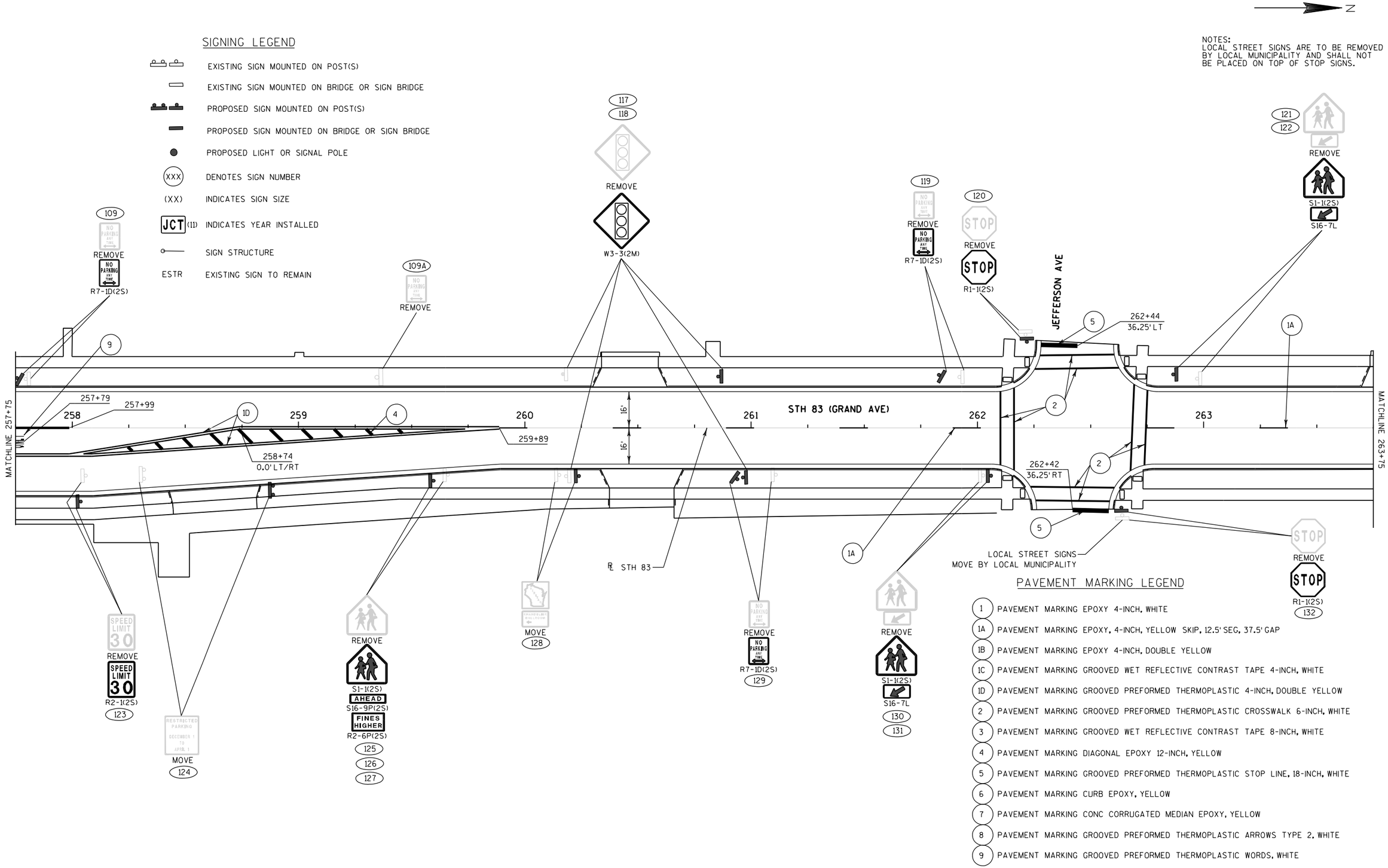
1. PAVEMENT MARKING EPOXY 4-INCH, WHITE
1A. PAVEMENT MARKING EPOXY, 4-INCH, YELLOW SKIP, 12.5' SEG, 37.5' GAP
1B. PAVEMENT MARKING EPOXY 4-INCH, DOUBLE YELLOW
1C. PAVEMENT MARKING GROOVED WET REFLECTIVE CONTRAST TAPE 4-INCH, WHITE
1D. PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC 4-INCH, DOUBLE YELLOW
2. PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC CROSSWALK 6-INCH, WHITE
3. PAVEMENT MARKING GROOVED WET REFLECTIVE CONTRAST TAPE 8-INCH, WHITE
4. PAVEMENT MARKING DIAGONAL EPOXY 12-INCH, YELLOW
5. PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC STOP LINE, 18-INCH, WHITE
6. PAVEMENT MARKING CURB EPOXY, YELLOW
7. PAVEMENT MARKING CONC CORRUGATED MEDIAN EPOXY, YELLOW
8. PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC ARROWS TYPE 2, WHITE
9. PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC WORDS, WHITE

PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	PERMANENT SIGNING & PAVEMENT MARKING	SHEET 92	E

SIGNING LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED LIGHT OR SIGNAL POLE
- (XXX) DENOTES SIGN NUMBER
- (XX) INDICATES SIGN SIZE
- JCT (11) INDICATES YEAR INSTALLED
- SIGN STRUCTURE
- ESTR EXISTING SIGN TO REMAIN

NOTES:
LOCAL STREET SIGNS ARE TO BE REMOVED BY LOCAL MUNICIPALITY AND SHALL NOT BE PLACED ON TOP OF STOP SIGNS.



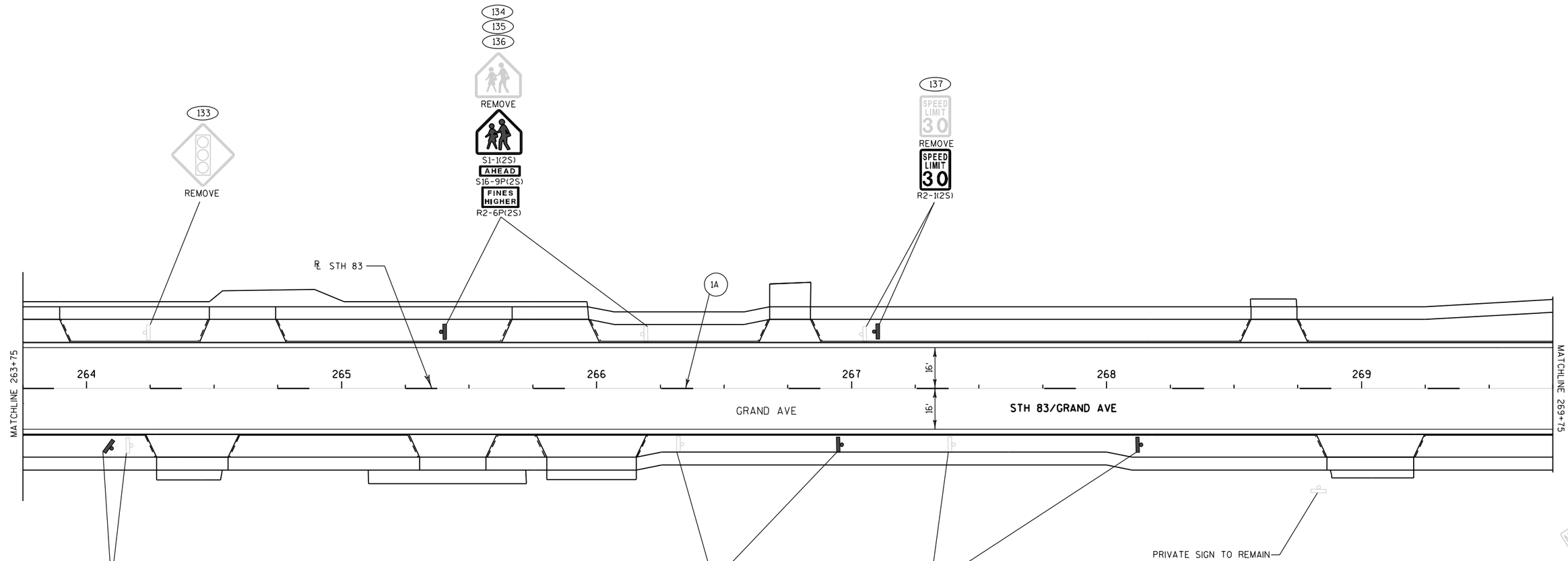
PAVEMENT MARKING LEGEND

1	PAVEMENT MARKING EPOXY 4-INCH, WHITE
1A	PAVEMENT MARKING EPOXY, 4-INCH, YELLOW SKIP, 12.5' SEG, 37.5' GAP
1B	PAVEMENT MARKING EPOXY 4-INCH, DOUBLE YELLOW
1C	PAVEMENT MARKING GROOVED WET REFLECTIVE CONTRAST TAPE 4-INCH, WHITE
1D	PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC 4-INCH, DOUBLE YELLOW
2	PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC CROSSWALK 6-INCH, WHITE
3	PAVEMENT MARKING GROOVED WET REFLECTIVE CONTRAST TAPE 8-INCH, WHITE
4	PAVEMENT MARKING DIAGONAL EPOXY 12-INCH, YELLOW
5	PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC STOP LINE, 18-INCH, WHITE
6	PAVEMENT MARKING CURB EPOXY, YELLOW
7	PAVEMENT MARKING CONC CORRUGATED MEDIAN EPOXY, YELLOW
8	PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC ARROWS TYPE 2, WHITE
9	PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC WORDS, WHITE

2

N

NOTES:
LOCAL STREET SIGNS ARE TO BE REMOVED BY LOCAL MUNICIPALITY AND SHALL NOT BE PLACED ON TOP OF STOP SIGNS.



PAVEMENT MARKING LEGEND

1	PAVEMENT MARKING EPOXY 4-INCH, WHITE
1A	PAVEMENT MARKING EPOXY, 4-INCH, YELLOW SKIP, 12.5' SEG, 37.5' GAP
1B	PAVEMENT MARKING EPOXY 4-INCH, DOUBLE YELLOW
1C	PAVEMENT MARKING GROOVED WET REFLECTIVE CONTRAST TAPE 4-INCH, WHITE
1D	PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC 4-INCH, DOUBLE YELLOW
2	PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC CROSSWALK 6-INCH, WHITE
3	PAVEMENT MARKING GROOVED WET REFLECTIVE CONTRAST TAPE 8-INCH, WHITE
4	PAVEMENT MARKING DIAGONAL EPOXY 12-INCH, YELLOW
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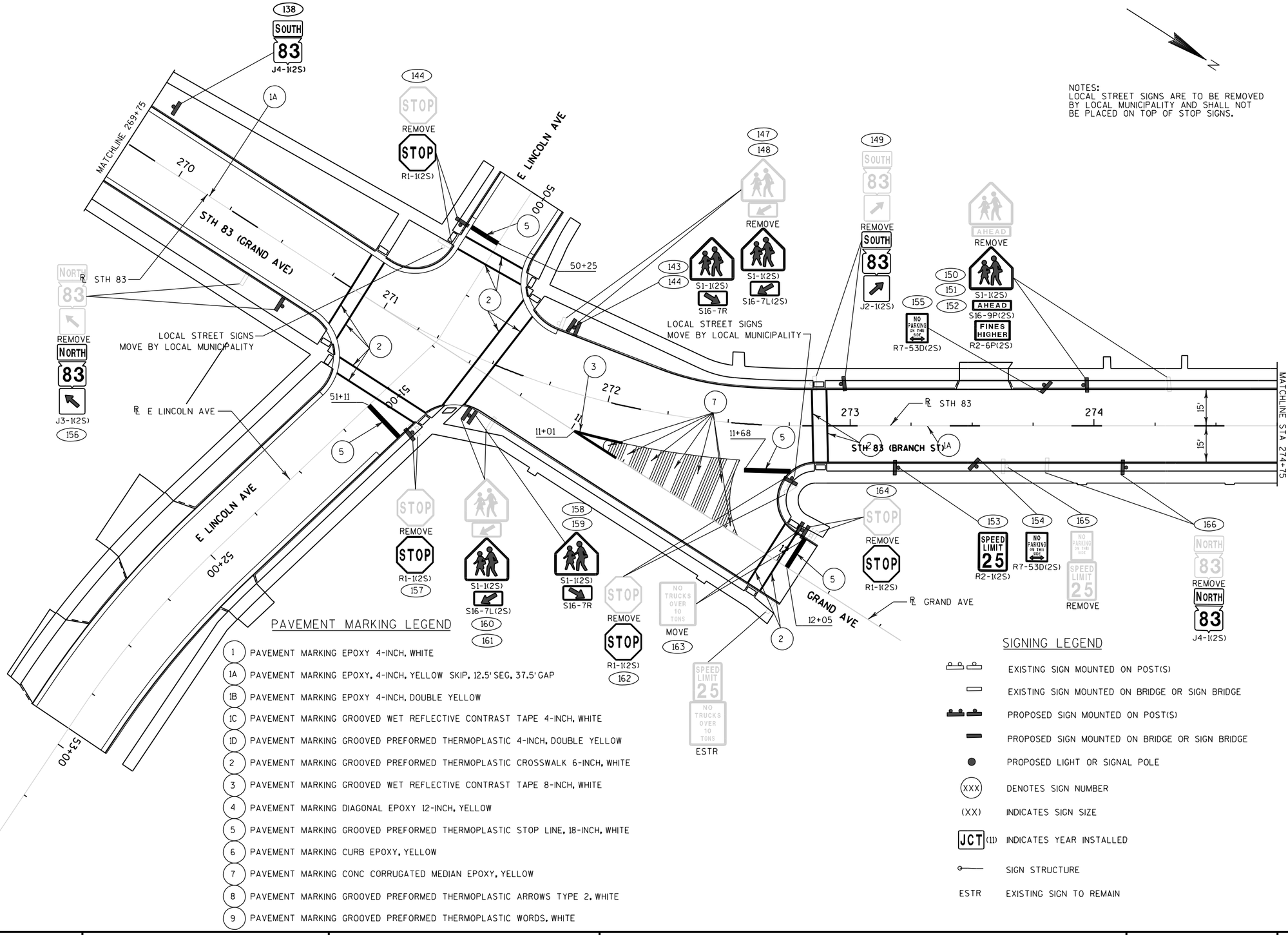
6	PAVEMENT MARKING CURB EPOXY, YELLOW
7	PAVEMENT MARKING CONC CORRUGATED MEDIAN EPOXY, YELLOW
8	PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC ARROWS TYPE 2, WHITE
9	PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC WORDS, WHITE

SIGNING LEGEND

	EXISTING SIGN MOUNTED ON POST(S)
	EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
	PROPOSED SIGN MOUNTED ON POST(S)
	PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
	PROPOSED LIGHT OR SIGNAL POLE
XXX	DENOTES SIGN NUMBER
(XX)	INDICATES SIGN SIZE
JCT (11)	INDICATES YEAR INSTALLED
	SIGN STRUCTURE
ESTR	EXISTING SIGN TO REMAIN

PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	PERMANENT SIGNING & PAVEMENT MARKING	SHEET 94	E



PAVEMENT MARKING LEGEND

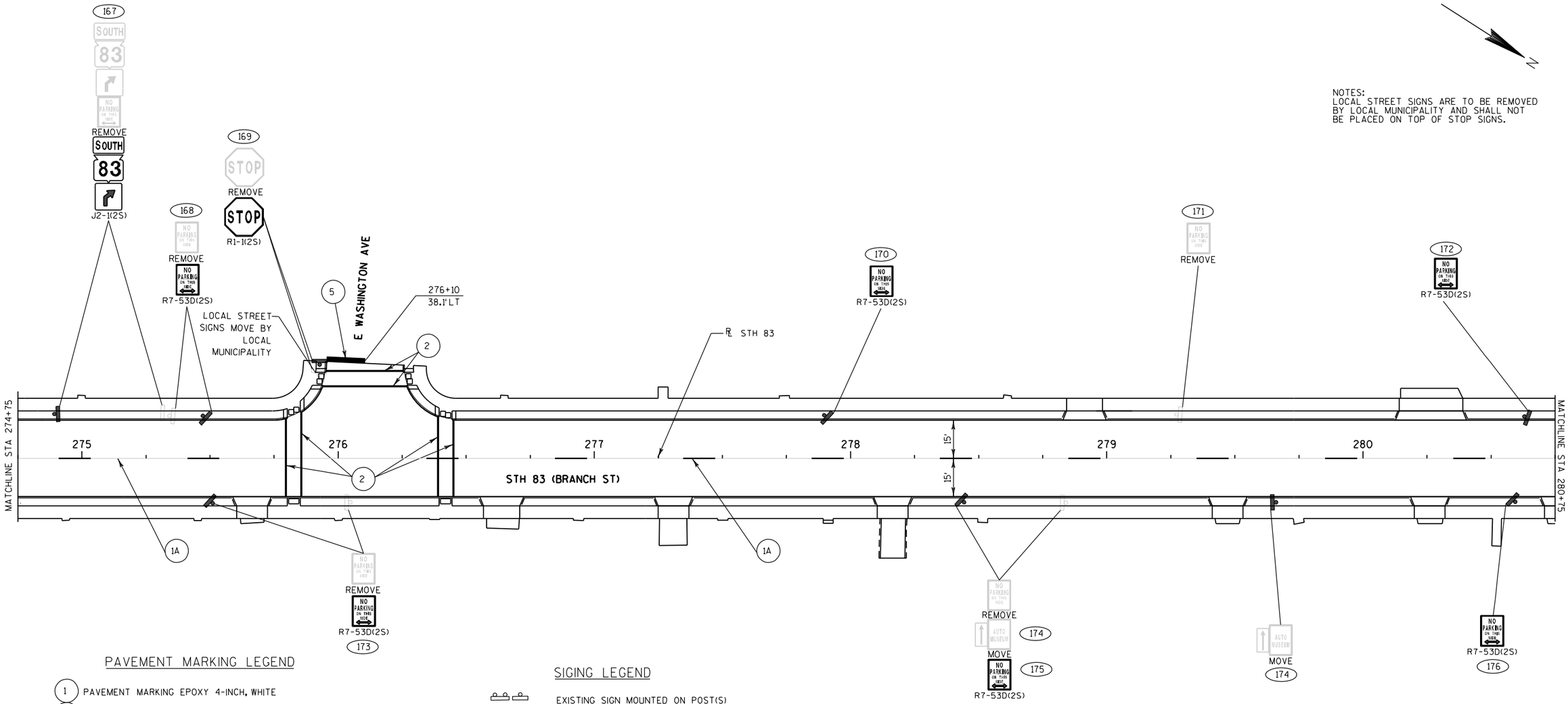
1	PAVEMENT MARKING EPOXY 4-INCH, WHITE
1A	PAVEMENT MARKING EPOXY, 4-INCH, YELLOW SKIP, 12.5'SEG, 37.5'GAP
1B	PAVEMENT MARKING EPOXY 4-INCH, DOUBLE YELLOW
1C	PAVEMENT MARKING GROOVED WET REFLECTIVE CONTRAST TAPE 4-INCH, WHITE
1D	PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC 4-INCH, DOUBLE YELLOW
2	PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC CROSSWALK 6-INCH, WHITE
3	PAVEMENT MARKING GROOVED WET REFLECTIVE CONTRAST TAPE 8-INCH, WHITE
4	PAVEMENT MARKING DIAGONAL EPOXY 12-INCH, YELLOW
5	PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC STOP LINE, 18-INCH, WHITE
6	PAVEMENT MARKING CURB EPOXY, YELLOW
7	PAVEMENT MARKING CONC CORRUGATED MEDIAN EPOXY, YELLOW
8	PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC ARROWS TYPE 2, WHITE
9	PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC WORDS, WHITE

SIGNING LEGEND

	EXISTING SIGN MOUNTED ON POST(S)
	EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
	PROPOSED SIGN MOUNTED ON POST(S)
	PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
	PROPOSED LIGHT OR SIGNAL POLE
XXX	DENOTES SIGN NUMBER
(XX)	INDICATES SIGN SIZE
JCT (11)	INDICATES YEAR INSTALLED
	SIGN STRUCTURE
ESTR	EXISTING SIGN TO REMAIN

PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	PERMANENT SIGNING & PAVEMENT MARKING	SHEET 95	E

NOTES:
LOCAL STREET SIGNS ARE TO BE REMOVED BY LOCAL MUNICIPALITY AND SHALL NOT BE PLACED ON TOP OF STOP SIGNS.



PAVEMENT MARKING LEGEND

1	PAVEMENT MARKING EPOXY 4-INCH, WHITE
1A	PAVEMENT MARKING EPOXY, 4-INCH, YELLOW SKIP, 12.5' SEG, 37.5' GAP
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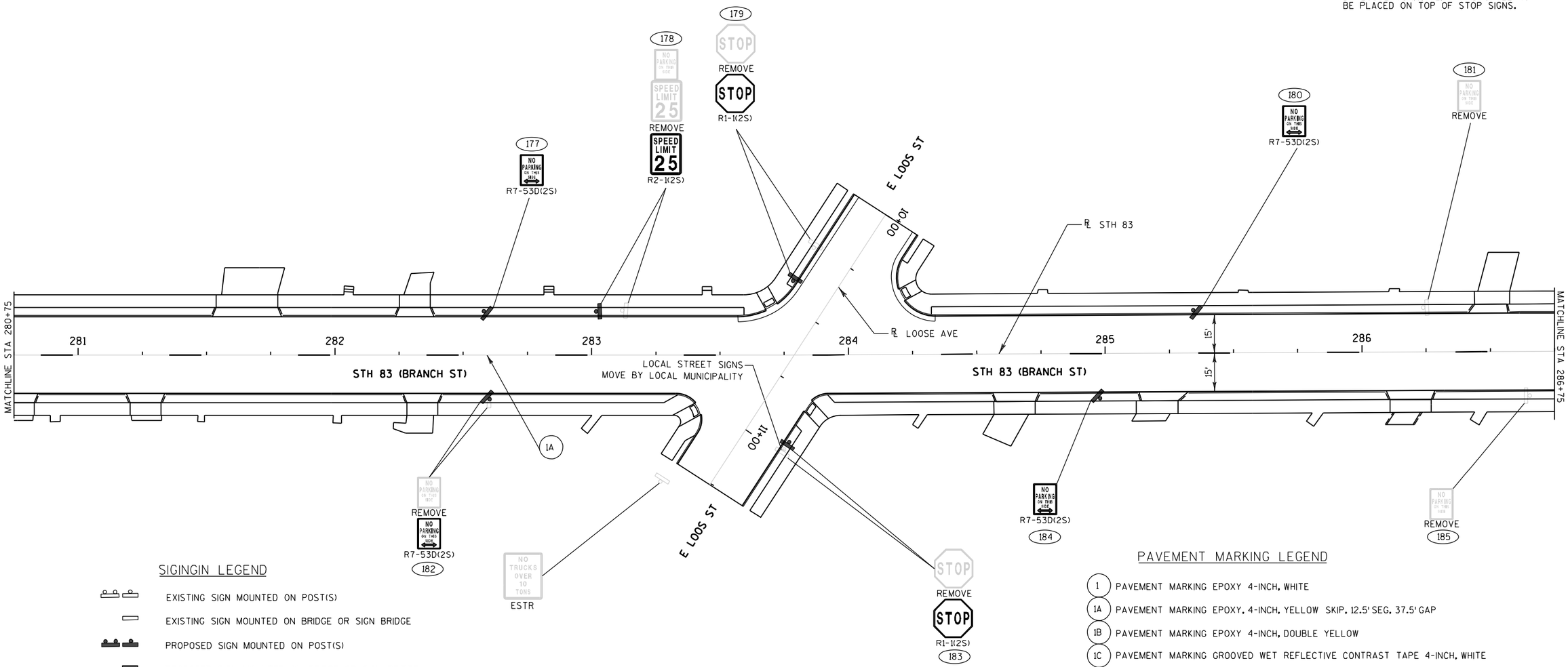
SIGING LEGEND

	EXISTING SIGN MOUNTED ON POST(S)
	EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
	PROPOSED SIGN MOUNTED ON POST(S)
	PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
	PROPOSED LIGHT OR SIGNAL POLE
XXX	DENOTES SIGN NUMBER
(XX)	INDICATES SIGN SIZE
JCT (11)	INDICATES YEAR INSTALLED
	SIGN STRUCTURE
ESTR	EXISTING SIGN TO REMAIN

PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	PERMANENT SIGNING & PAVEMENT MARKING	SHEET 96	E

NOTES:
LOCAL STREET SIGNS ARE TO BE REMOVED BY LOCAL MUNICIPALITY AND SHALL NOT BE PLACED ON TOP OF STOP SIGNS.



SIGINGIN LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED LIGHT OR SIGNAL POLE
- (XXX) DENOTES SIGN NUMBER
- (XX) INDICATES SIGN SIZE
- JCT (11) INDICATES YEAR INSTALLED
- SIGN STRUCTURE
- ESTR EXISTING SIGN TO REMAIN

PAVEMENT MARKING LEGEND

1. PAVEMENT MARKING EPOXY 4-INCH, WHITE
1A. PAVEMENT MARKING EPOXY, 4-INCH, YELLOW SKIP, 12.5' SEG, 37.5' GAP
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8. PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC ARROWS TYPE 2, WHITE
9. PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC WORDS, WHITE

PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	PERMANENT SIGNING & PAVEMENT MARKING	SHEET 97	E

NOTES:
LOCAL STREET SIGNS ARE TO BE REMOVED BY LOCAL MUNICIPALITY AND SHALL NOT BE PLACED ON TOP OF STOP SIGNS.

PAVEMENT MARKING LEGEND

1	PAVEMENT MARKING EPOXY 4-INCH, WHITE
1A	PAVEMENT MARKING EPOXY, 4-INCH, YELLOW SKIP, 12.5' SEG, 37.5' GAP
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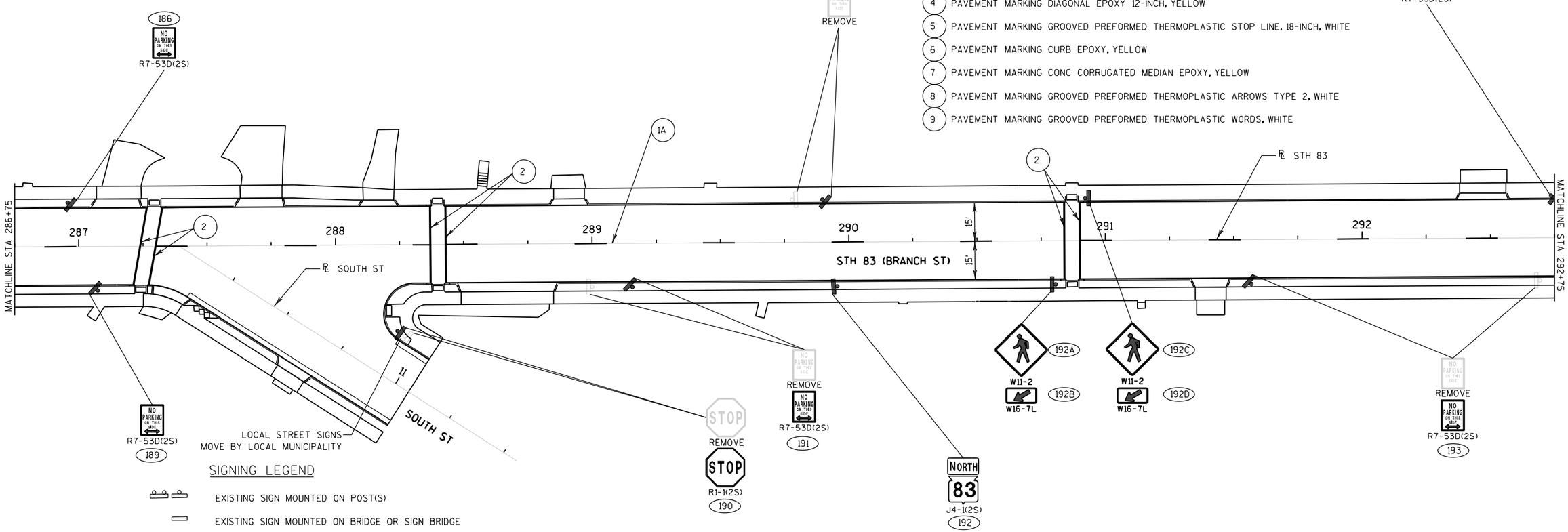

SIGNING LEGEND

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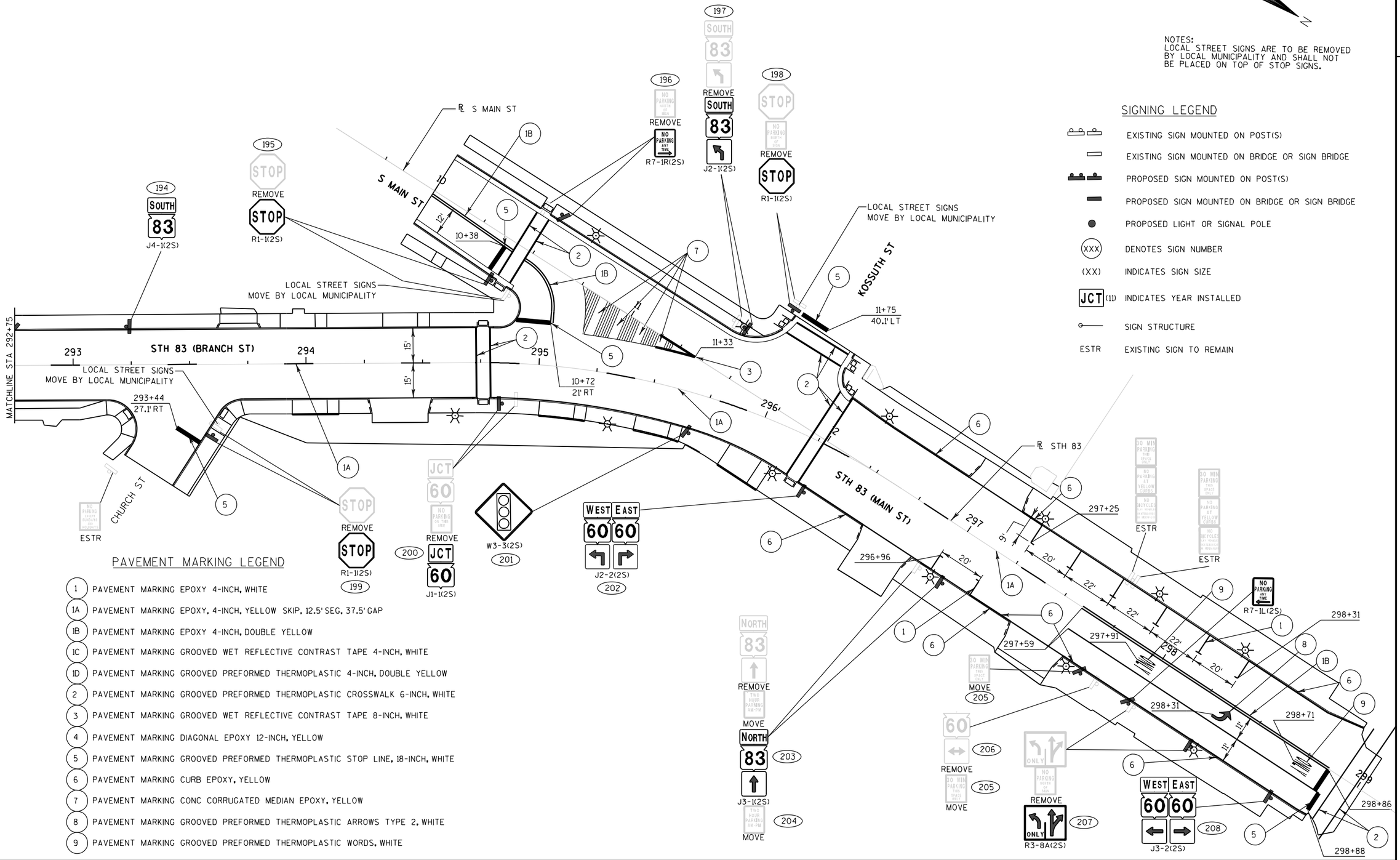
	PROPOSED SIGN MOUNTED ON POST(S)
	PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
	PROPOSED LIGHT OR SIGNAL POLE
XXX	DENOTES SIGN NUMBER
(XX)	INDICATES SIGN SIZE
JCT (11)	INDICATES YEAR INSTALLED
	SIGN STRUCTURE
ESTR	EXISTING SIGN TO REMAIN

PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	PERMANENT SIGNING & PAVEMENT MARKING	SHEET 98	E

FILE NAME : J:\Active\SE\1330-24-00 STH 83\Main\023217_ps.dgn PLOT DATE : 5/1/2015 PLOT BY : eric.handler PLOT NAME : PLOT SCALE : 40.0000 ' / in.

WISDOT/CADDS SHEET 42



NOTES:
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SIGNING LEGEND

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- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED LIGHT OR SIGNAL POLE
- (XXX) DENOTES SIGN NUMBER
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- JCT (11) INDICATES YEAR INSTALLED
- SIGN STRUCTURE
- ESTR EXISTING SIGN TO REMAIN

PAVEMENT MARKING LEGEND

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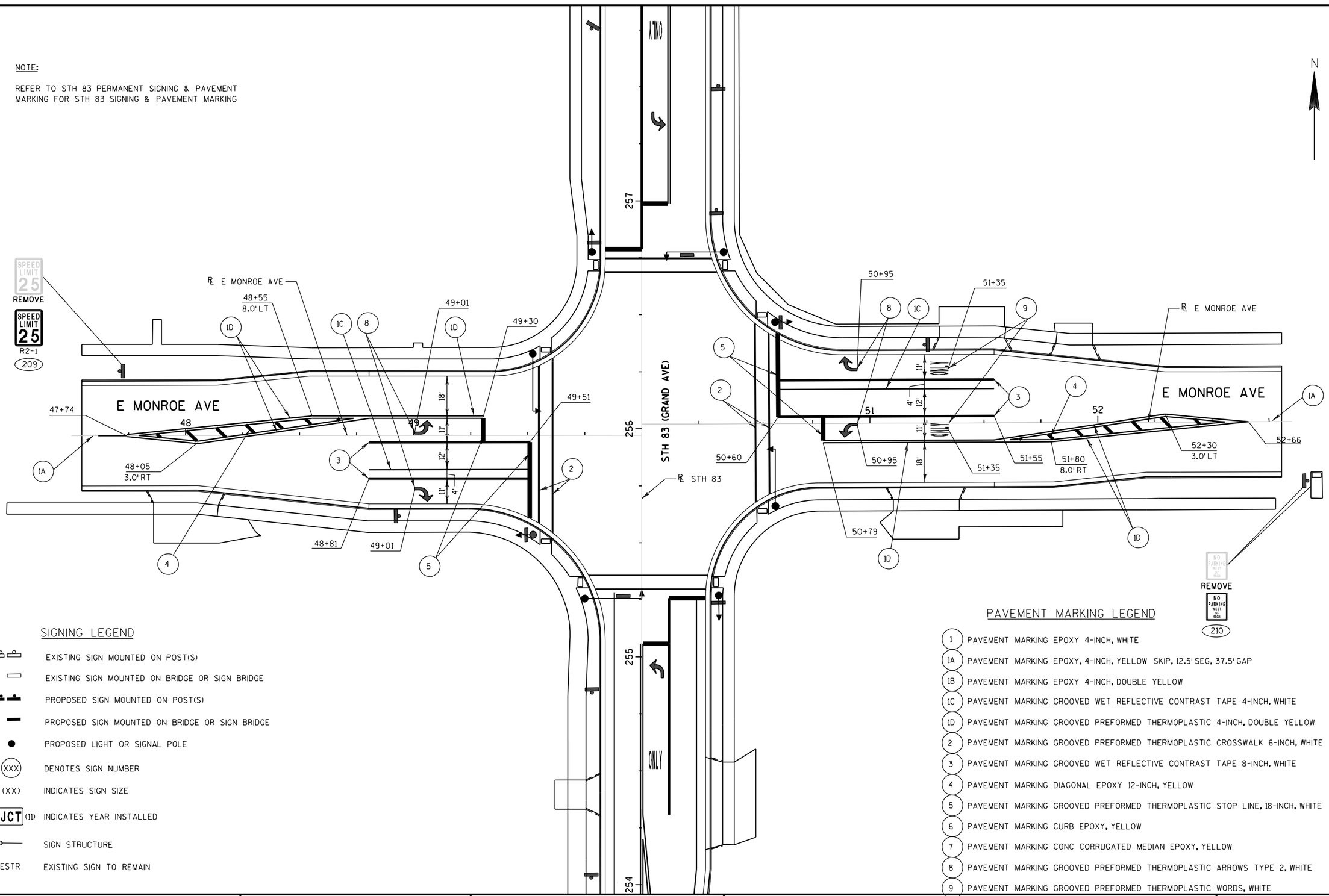
9. PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC WORDS, WHITE

PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	PERMANENT SIGNING & PAVEMENT MARKING	SHEET 99	E

NOTE:

REFER TO STH 83 PERMANENT SIGNING & PAVEMENT MARKING FOR STH 83 SIGNING & PAVEMENT MARKING



SIGNING LEGEND

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PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	PERMANENT SIGNING & PAVEMENT MARKING	SHEET 100	E

GENERAL STREET LIGHTING NOTES:

1. THE LOCATION OF EXISTING AND PROPOSED UTILITIES AS SHOWN ON THE PLANS ARE APPROXIMATE. IN ADDITION, THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION.

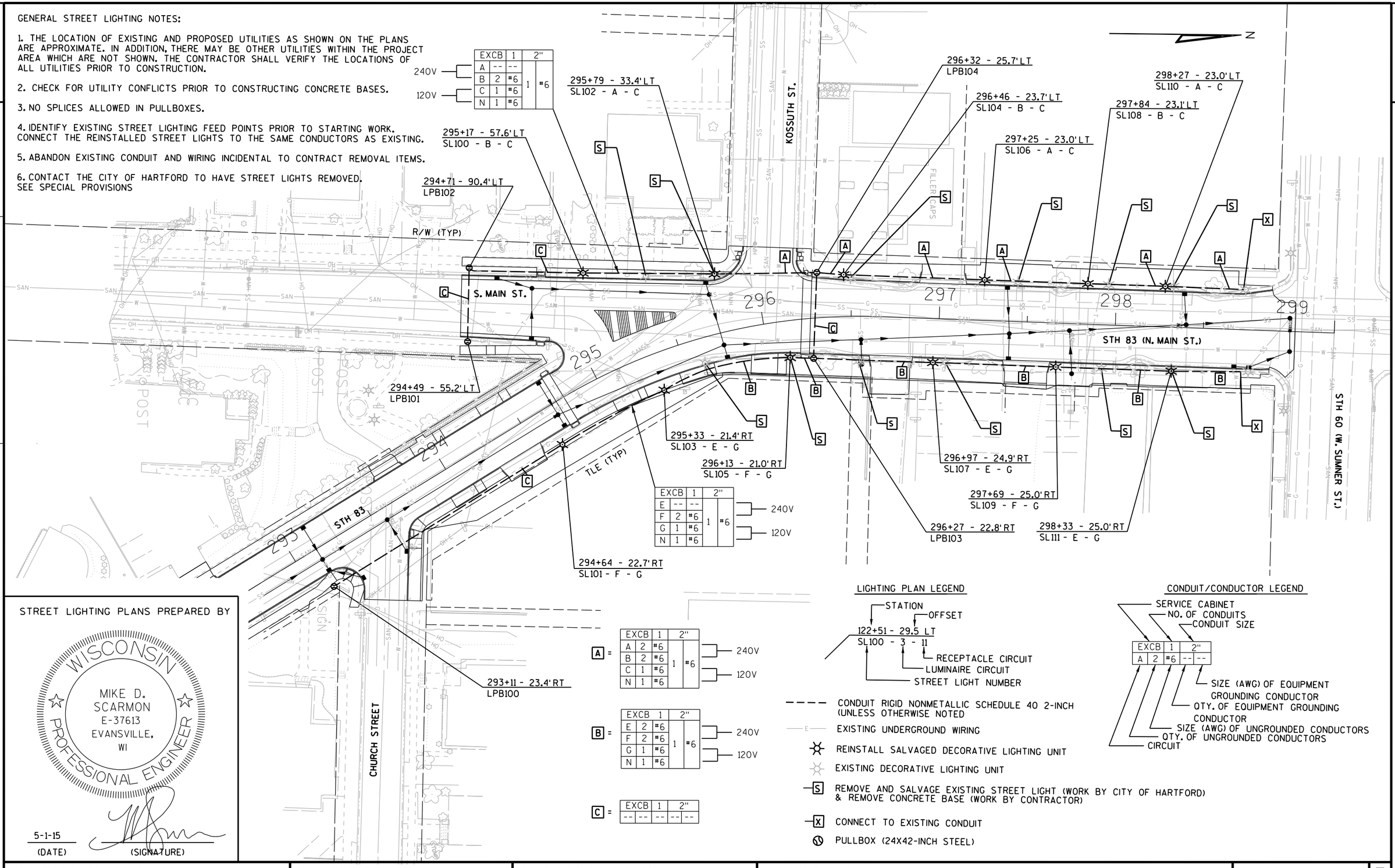
2. CHECK FOR UTILITY CONFLICTS PRIOR TO CONSTRUCTING CONCRETE BASES.

3. NO SPLICES ALLOWED IN PULLBOXES.

4. IDENTIFY EXISTING STREET LIGHTING FEED POINTS PRIOR TO STARTING WORK. CONNECT THE REINSTALLED STREET LIGHTS TO THE SAME CONDUCTORS AS EXISTING.

5. ABANDON EXISTING CONDUIT AND WIRING INCIDENTAL TO CONTRACT REMOVAL ITEMS.

6. CONTACT THE CITY OF HARTFORD TO HAVE STREET LIGHTS REMOVED. SEE SPECIAL PROVISIONS



STREET LIGHTING PLANS PREPARED BY

WISCONSIN
MIKE D. SCARMON
E-37613
EVANSVILLE, WI
PROFESSIONAL ENGINEER

5-1-15
(DATE) (SIGNATURE)

LIGHTING PLAN LEGEND

122+51 - 29.5 LT
SL100 - 3 - 11
STATION
OFFSET
RECEPTACLE CIRCUIT
LUMINAIRE CIRCUIT
STREET LIGHT NUMBER

- CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH (UNLESS OTHERWISE NOTED
- EXISTING UNDERGROUND WIRING
- REINSTALL SALVAGED DECORATIVE LIGHTING UNIT
- EXISTING DECORATIVE LIGHTING UNIT
- [S] REMOVE AND SALVAGE EXISTING STREET LIGHT (WORK BY CITY OF HARTFORD) & REMOVE CONCRETE BASE (WORK BY CONTRACTOR)
- [X] CONNECT TO EXISTING CONDUIT
- PULLBOX (24X42-INCH STEEL)

CONDUIT/CONDUCTOR LEGEND

EXCB 1 2"
A 2 #6 -- --

- SERVICE CABINET
- NO. OF CONDUITS
- CONDUIT SIZE
- SIZE (AWG) OF EQUIPMENT GROUNDING CONDUCTOR
- QTY. OF EQUIPMENT GROUNDING CONDUCTOR
- SIZE (AWG) OF UNGROUNDED CONDUCTORS
- QTY. OF UNGROUNDED CONDUCTORS
- CIRCUIT

PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	LIGHTING PLAN	SHEET 101 E

FILE NAME : G:\Daar\10028\DGN\SHEETS\023507_lp.dgn PLOT DATE : 4/25/2015 PLOT BY : KL Engineering PLOT NAME : PLOT SCALE :

WISDOT/CADDS SHEET 42

CONSTRUCTION NOTES:

1) EXISTING CONDUIT RUNS TO BE ABANDONED IN PLACE. CONTRACTOR TO REMOVE ANY CONDUCTORS REMAINING IN THE CONDUIT.

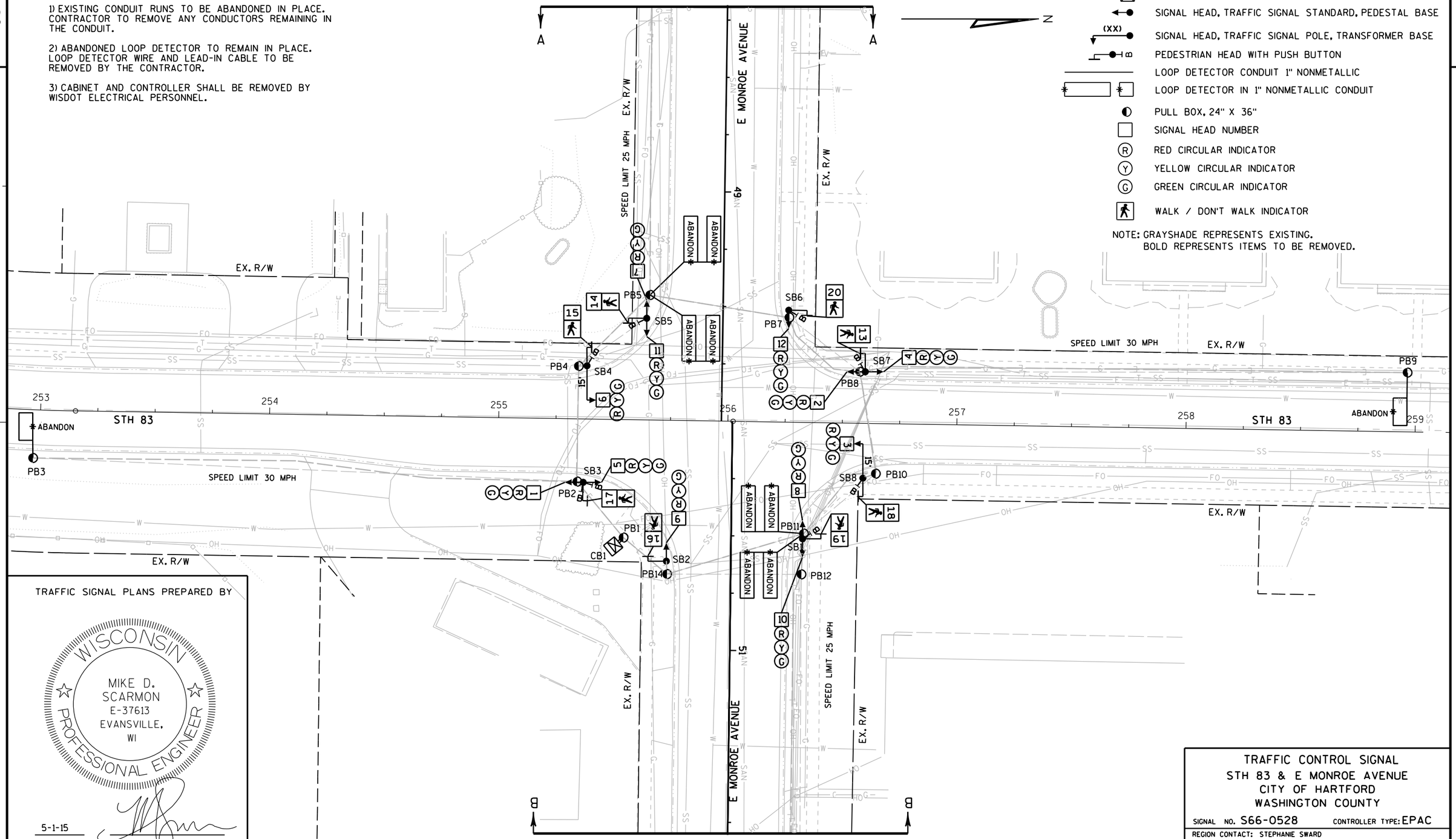
2) ABANDONED LOOP DETECTOR TO REMAIN IN PLACE. LOOP DETECTOR WIRE AND LEAD-IN CABLE TO BE REMOVED BY THE CONTRACTOR.

3) CABINET AND CONTROLLER SHALL BE REMOVED BY WISDOT ELECTRICAL PERSONNEL.

LEGEND

- CONTROL CABINET
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) SIGNAL HEAD, TRAFFIC SIGNAL POLE, TRANSFORMER BASE
- PEDESTRIAN HEAD WITH PUSH BUTTON
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- PULL BOX, 24" X 36"
- SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- WALK / DON'T WALK INDICATOR

NOTE: GRAYSHADE REPRESENTS EXISTING.
BOLD REPRESENTS ITEMS TO BE REMOVED.



TRAFFIC SIGNAL PLANS PREPARED BY

WISCONSIN
MIKE D. SCARMON
E-37613
EVANSVILLE, WI
PROFESSIONAL ENGINEER

5-1-15 (DATE) (SIGNATURE)

TRAFFIC CONTROL SIGNAL
STH 83 & E MONROE AVENUE
CITY OF HARTFORD
WASHINGTON COUNTY

SIGNAL NO. S66-0528 CONTROLLER TYPE: EPAC

REGION CONTACT: STEPHANIE SWARD
DESIGNED BY: KL Engineering
REVISED BY:

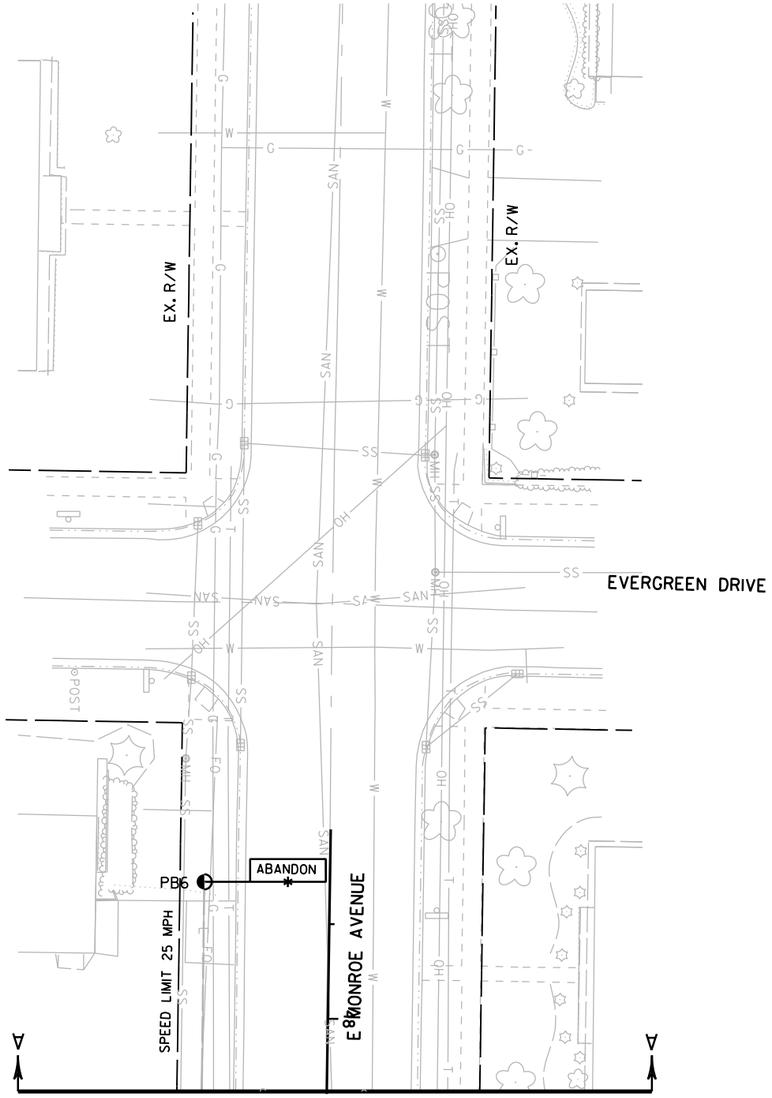
PAGE 1 OF 2

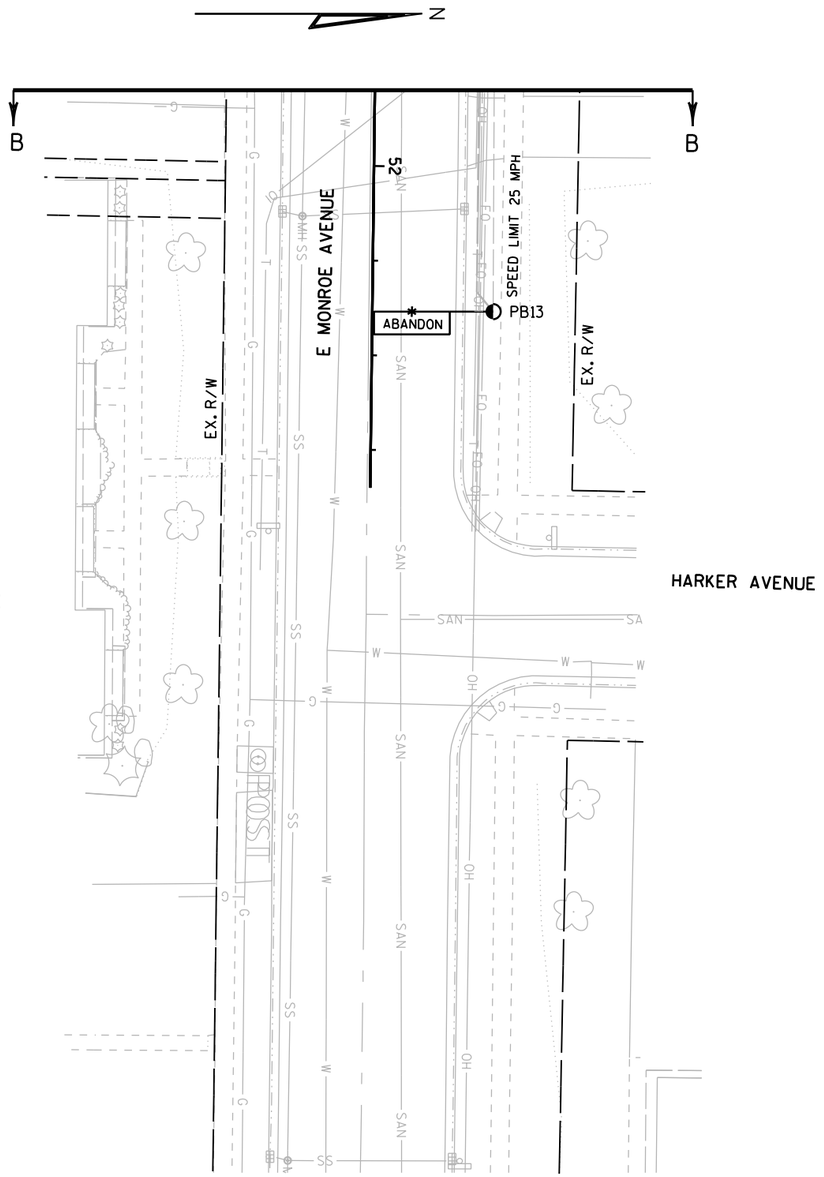
PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 102	E

FILE NAME : G:\Daar\10028\DGN\SHEETS\024001_srp.dgn PLOT DATE : 4/25/2015 PLOT BY : KL Engineering PLOT NAME : PLOT SCALE :

WISDOT/CADDS SHEET 42

2





TRAFFIC SIGNAL PLANS PREPARED BY

WISCONSIN
MIKE D. SCARMON
E-37613
EVANSVILLE, WI
PROFESSIONAL ENGINEER

5-1-15
(DATE) (SIGNATURE)

TRAFFIC CONTROL SIGNAL
STH 83 & E MONROE AVENUE
CITY OF HARTFORD
WASHINGTON COUNTY

SIGNAL NO. S66-0528 CONTROLLER TYPE: EPAC

REGION CONTACT: STEPHANIE SWARD
DESIGNED BY: KL Engineering
REVISED BY:

PAGE 2 OF 2

PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 103	E

CONSTRUCTION NOTES:

1) * LOCATION IS TO FRONT CENTER OF DETECTOR LOOP.

2) THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED 5 WORKING DAYS PRIOR TO PLACING SIGNAL CABLE INTO THE SYSTEM. CONTACT THE CITY OF HARTFORD ELECTRICAL DIVISION TO MAKE ARRANGEMENTS.

3) THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.

4) THE ENGINEER MAY ADJUST THE LOCATIONS OF ITEMS UNDER THIS CONTRACT TO AVOID CONFLICT WITH EXISTING UTILITY FACILITIES.

5) PROPOSED DRAINAGE IS SHOWN IN GRAYSHADE FOR PLAN CLARITY.

6) INSTALL TRAFFIC SIGNAL CABINET BASE AT LEAST 6" ABOVE ROADWAY ELEVATION.

7) ALL LUMINAIRES ARE CATEGORY C LED UNLESS OTHERWISE NOTED.

LEGEND

- CONTROL CABINET & CONCRETE BASE
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) SIGNAL HEAD, TRAFFIC SIGNAL POLE, TRANSFORMER BASE
- PEDESTRIAN HEAD WITH PUSH BUTTON
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- LUMINAIRE UNDER PERMIT TO LOCAL MUNICIPALITY
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"
- SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- (Y) YELLOW ARROW
- (G) GREEN ARROW
- WALK / DON'T WALK INDICATOR, 16" (COUNTDOWN TIMER)
- LANE USE ARROWS

NOTES:
ALL LENSES ARE 12-INCH. GRAYSHADE REPRESENTS EXISTING.

E MONROE AVENUE
STH 83
SPEED LIMIT 25 MPH
SPEED LIMIT 30 MPH
TLE
R/W
6'X20' 3 TURNS EA.
6'X6' 6 TURNS
6'X6' 4 TURNS
225' TO STOP BAR
2-3"
ONLY
PB1 PB2 PB3 PB4 PB5 PB6 PB7 PB8 PB9 PB10 PB11 PB12
SB1 SB2 SB3 SB4 SB5 SB6 SB7 SB8
CB1

TRAFFIC SIGNAL PLANS PREPARED BY

WISCONSIN
MIKE D. SCARMON
E-37613
EVANSVILLE, WI
PROFESSIONAL ENGINEER

5-1-15
(DATE) (SIGNATURE)

TRAFFIC CONTROL SIGNAL
STH 83 & E MONROE AVENUE
CITY OF HARTFORD
WASHINGTON COUNTY

CABINET TYPE: TS2 CONTROLLER TYPE: EPAC

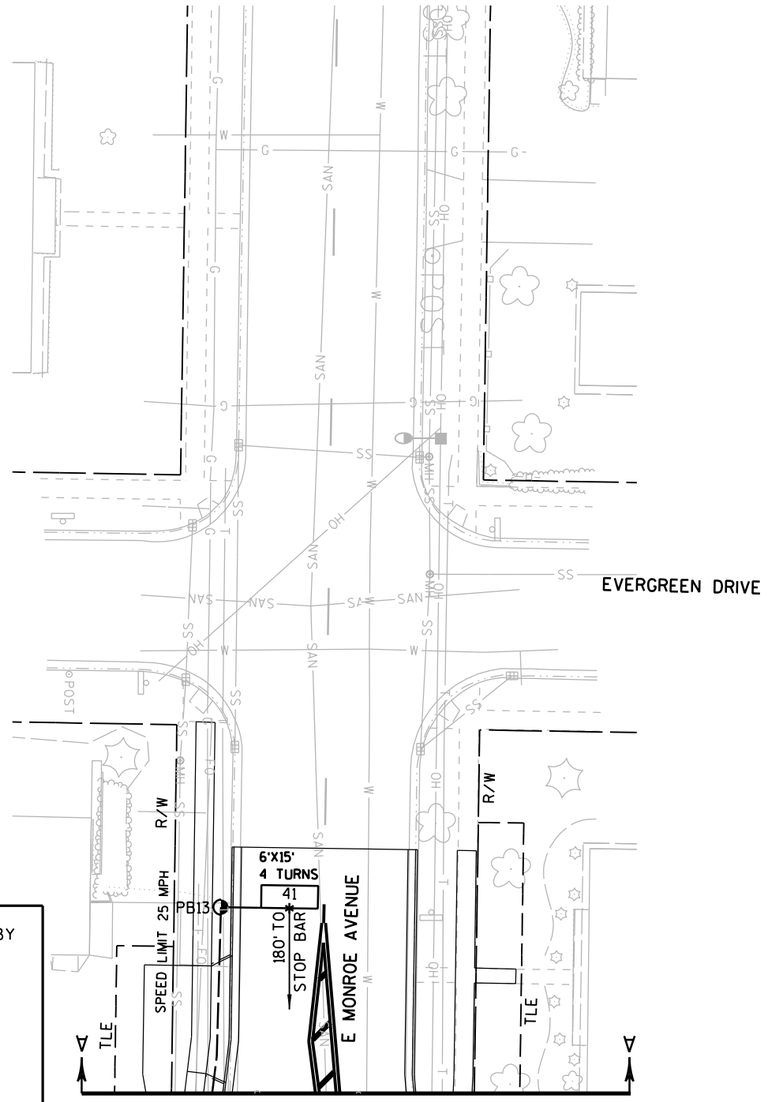
MUNICIPAL CONTACT: JASON SCHALL
DESIGNED BY: KL Engineering
REVISED BY:

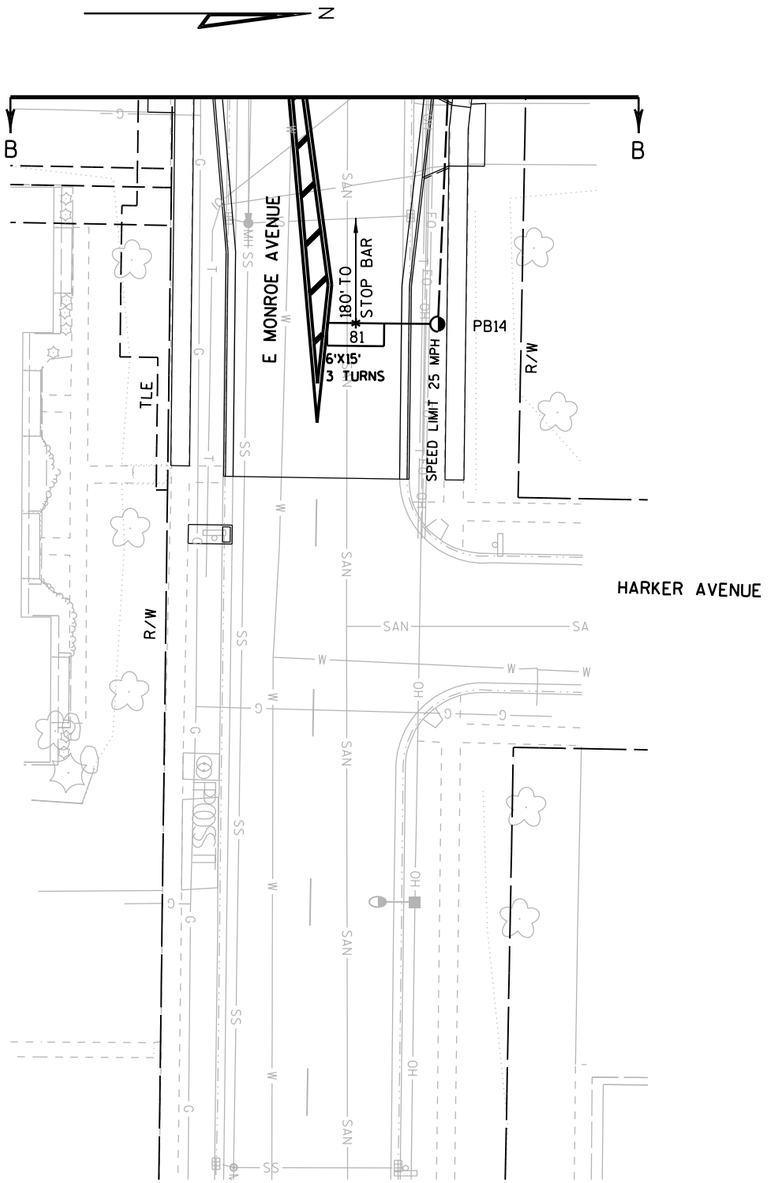
PAGE 1 OF 4

PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	TRAFFIC SIGNAL PLAN	SHEET 104 E

FILE NAME : G:\Daar\10028\DGN\SHEETS\024001_sp.dgn PLOT DATE : 4/27/2015 PLOT BY : KL Engineering PLOT NAME : PLOT SCALE : 1:40

WISDOT/CADDS SHEET 42





TRAFFIC SIGNAL PLANS PREPARED BY

WISCONSIN
MIKE D. SCARMON
E-37613
EVANSVILLE, WI
PROFESSIONAL ENGINEER

5-1-15
(DATE)

(SIGNATURE)

TRAFFIC CONTROL SIGNAL
STH 83 & E MONROE AVENUE
CITY OF HARTFORD
WASHINGTON COUNTY

CABINET TYPE: TS2 CONTROLLER TYPE: EPAC

MUNICIPAL CONTACT: JASON SCHALL
DESIGNED BY: KL Engineering
REVISED BY:

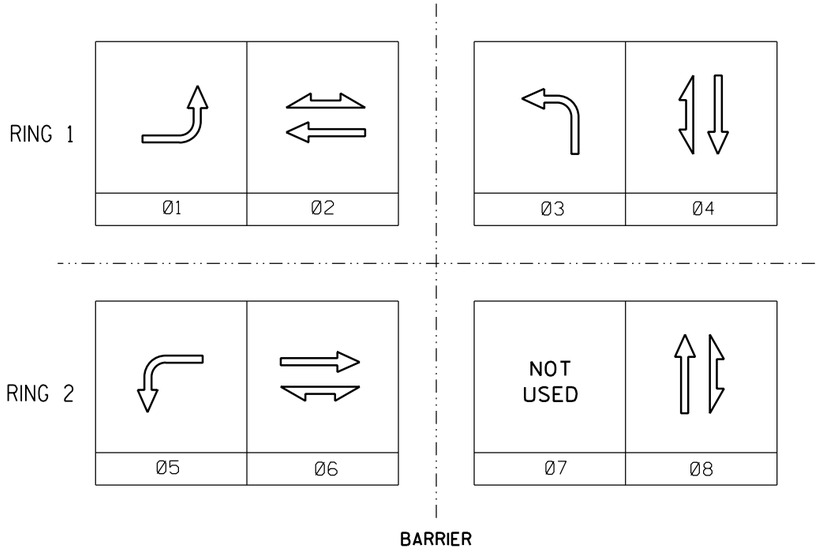
PAGE 2 OF 4

PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	TRAFFIC SIGNAL PLAN	SHEET E

FILE NAME : G:\Daar\10028\DGN\SHEETS\024001_sp.dgn PLOT DATE : 4/25/2015 PLOT BY : KL Engineering PLOT NAME : PLOT SCALE : 1:40

WISDOT/CADDS SHEET 42

	HEAD NUMBERS	FLASH
Ø1	2, 3	R
Ø2	4, 5, 6	R
Ø3	8, 9	R
Ø4	10, 11, 12	R
Ø5	5, 6	R
Ø6	1, 2, 3	R
Ø7		R
Ø8	7, 8, 9	R
Ø2P	15, 16	
Ø4P	13, 14	
Ø6P	19, 20	
Ø8P	17, 18	
OLA		-
OLB		-
OLC		-
OLD		-



CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / *	PHASE RECALL	PHASE ACTIVE
1				x
2	x	6	MIN	x
3				x
4		8		x
5				x
6	x	2	MIN	x
7				
8		4		x

TYPE OF INTERCONNECT/COMMUNICATION	
NONE	x
CLOSED LOOP	
TWISTED PAIR*	
FIBER OPTIC*	
FIBER OPTIC (ETHERNET)	
CELL MODEM	

TYPE OF COORDINATION	
NONE	x
TBC	
TRAFFIC RESPONSIVE	
ADAPTIVE	
*LOCATION OF MASTER CONTROLLER NO: N/A	
SIGNAL SYSTEM *:	

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC SIGNAL CABINET	x
IN SEPARATE DOT LIGHTING CABINET	

TYPE OF PRE-EMPT	
NONE	x
RAILROAD	
EMERGENCY VEHICLE	
GTT	
TOMAR	
HARDWIRE	
OTHER	
LIFT BRIDGE	
QUEUE DETECTOR	

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
PLAN LOOP DETECTOR *(S)	11	21	31	41	43	45	51	61
ASSIGNED PHASE	1	2	3	4	4	4	5	6
OPERATION MODE	VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH
SWITCH	6		8				2	
EXTEND				X				
DELAY	X		X			X	X	

19	17	23	21	27	25	31	29	DETECTOR INPUT
81	83							PLAN LOOP DETECTOR *(S)
8	8							ASSIGNED PHASE
VEH	VEH							OPERATION MODE
								SWITCH
X								EXTEND
								DELAY

DETECTOR INPUT	4	2	8	6	12	10	16	14
PLAN LOOP DETECTOR *(S)	12		32	42	44		52	
ASSIGNED PHASE	1		3	4	4		5	
OPERATION MODE	VEH		VEH	VEH	VEH		VEH	
SWITCH	6		8				2	
EXTEND								
DELAY	X		X		X		X	

20	18	24	22	28	26	32	30	DETECTOR INPUT
82								PLAN LOOP DETECTOR *(S)
8								ASSIGNED PHASE
VEH								OPERATION MODE
								SWITCH
								EXTEND
								DELAY

TRAFFIC SIGNAL PLANS PREPARED BY

5-1-15 (DATE) (SIGNATURE)

STH 83 & E MONROE AVENUE
CITY OF HARTFORD
WASHINGTON COUNTY

CABINET TYPE: TS2

CONTROLLER TYPE: EPAC

DATE 5-1-2015 PAGE NO. 3 OF 4

PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	SEQUENCE OF OPERATIONS	SHEET E

FILE NAME : G:\Daar\10028\DGN\SHEETS\024001_sp.dgn PLOT DATE : 4/25/2015 PLOT BY : KL Engineering PLOT NAME : S-400,seq,rev2 PLOT SCALE :
WISDOT/CADDS SHEET 42

PROJECT ID:	1330-24-70
INTERSECTION:	STH 83 & E Monroe Avenue

SIGNAL CONDUCTOR COLOR CODING	BLK = BLACK	RED = RED	GRN = GREEN
	WHT = WHITE	BLU = BLUE	ORG = ORANGE

CB1 TO	No. OF #14 AWG CONDUCTORS	HEAD NO.	SIGNAL INDICATION WIRE COLOR								PED BUTTON	OTHER
			RED	YELLOW	GREEN	<RED>	<YELLOW>	<GREEN>	D/WALK	WALK		
SB1	15	1	RED	ORG	GRN							
		6	RED/BLK	ORG/BLK	GRN/BLK			BLK/WHT	BLU/BLK			
		13							BLK	BLU		
		BUTTON									WHT/BLK	
SB2	12	5	RED	ORG	GRN			BLK/WHT	BLU/BLK			
		14							BLK	BLU		
		BUTTON									WHT/BLK	
SB3	15	8	RED/BLK	ORG/BLK	GRN/BLK			BLK/WHT	BLU/BLK			
		10	RED	ORG	GRN							
		15							BLK	BLU		
		BUTTON									WHT/BLK	
SB4	12	9	RED	ORG	GRN			BLK/WHT	BLU/BLK			
		16							BLK	BLU		
		BUTTON									WHT/BLK	
SB5	15	2	RED	ORG	GRN			BLK/WHT	BLU/BLK			
		4	RED/BLK	ORG/BLK	GRN/BLK							
		17							BLK	BLU		
		BUTTON									WHT/BLK	
SB6	12	3	RED	ORG	GRN			BLK/WHT	BLU/BLK			
		18							BLK	BLU		
		BUTTON									WHT/BLK	
SB7	12	7	RED/BLK	ORG/BLK	GRN/BLK							
		11	RED	ORG	GRN							
		19							BLK	BLU		
		BUTTON									WHT/BLK	
SB8	12	12	RED	ORG	GRN							
		20							BLK	BLU		
		BUTTON									WHT/BLK	

EQUIPMENT GROUNDING CONDUCTOR (ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG) GREEN XLP

FROM	TO
CB1	SB1
SB1	SB2
SB2	SB3
SB3	SB4
SB4	SB5
SB5	SB6
SB6	SB7
SB7	SB8
SB8	CB1

PULL BOX BONDING JUMPER (ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG) GREEN XLP

FROM	TO
PB1	SB1
PB4	SB2
PB5	SB3
PB6	SB4
PB7	SB5
PB10	SB6
PB11	SB7
PB12	SB8

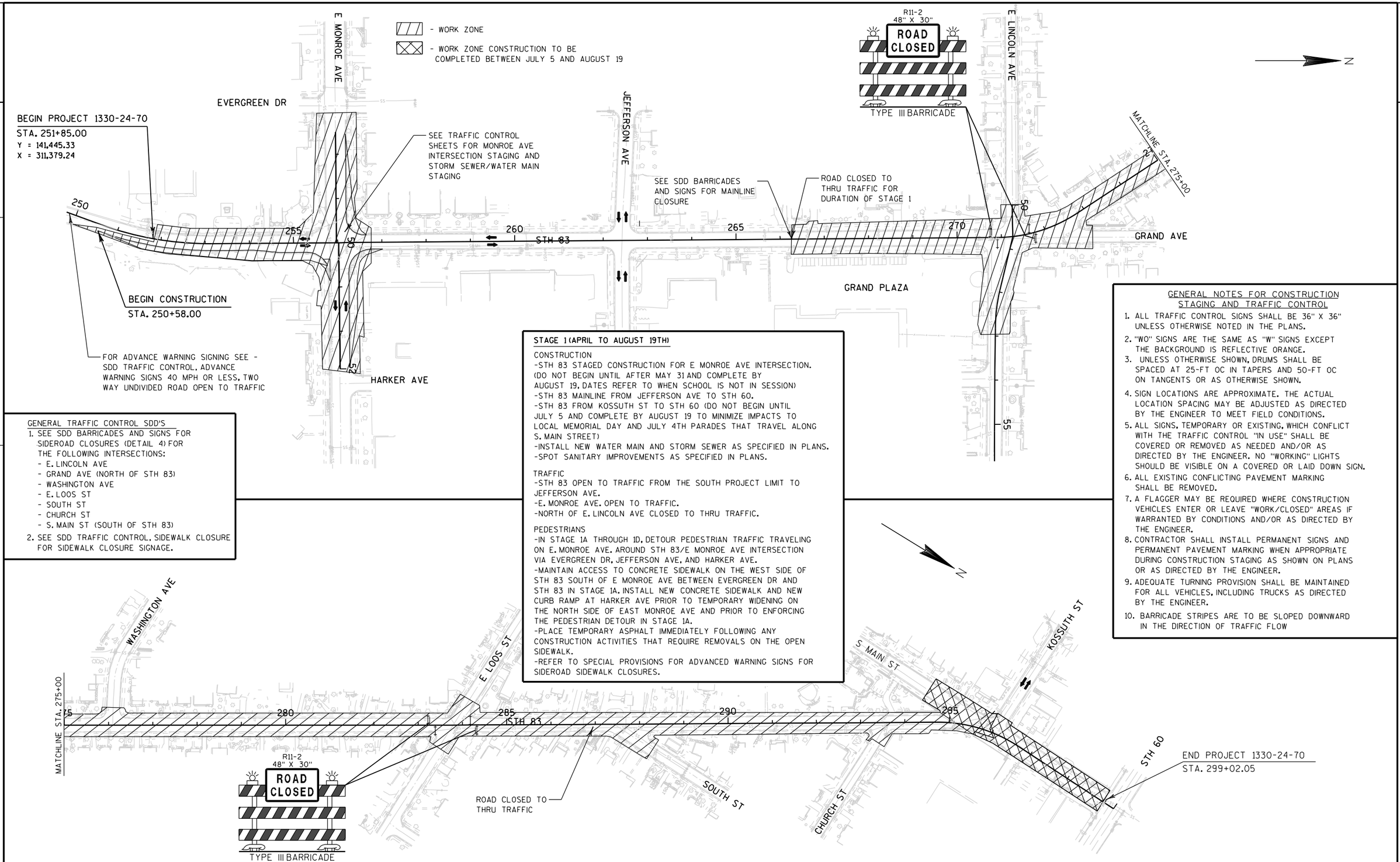
LIGHTING UF #10 WITH GROUND

FROM	TO
CB1	SB8
SB8	SB6
SB6	SB4
SB4	SB2

1. USE THE WHITE CONDUCTOR IN THE CABLE ASSEMBLY AS THE GROUNDED CONDUCTOR FOR ALL TRAFFIC SIGNAL INDICATIONS.
2. ENSURE THE GROUNDED CONDUCTOR IN THE FEEDER CABLE AND THE POLE CABLES ARE BOTH 18-INCHES LONGER THAN THE UNGROUNDED CONDUCTORS.
3. AT THE SIGNAL BASES, CONNECT ONE TERMINAL FROM THE PEDESTRIAN PUSH BUTTONS TO THE COLOR INDICATED IN THE CHART. CONNECT THE OTHER TERMINAL TO THE GROUNDED CONDUCTOR.

TRAFFIC SIGNAL PLANS PREPARED BY

5-1-15
(DATE) (SIGNATURE)



GENERAL TRAFFIC CONTROL SDD'S

1. SEE SDD BARRICADES AND SIGNS FOR SIDEROAD CLOSURES (DETAIL 4) FOR THE FOLLOWING INTERSECTIONS:
   - E. LINCOLN AVE
   - GRAND AVE (NORTH OF STH 83)
   - WASHINGTON AVE
   - E. LOOS ST
   - SOUTH ST
   - CHURCH ST
   - S. MAIN ST (SOUTH OF STH 83)
2. SEE SDD TRAFFIC CONTROL, SIDEWALK CLOSURE FOR SIDEWALK CLOSURE SIGNAGE.

STAGE 1 (APRIL TO AUGUST 19TH)

CONSTRUCTION
-STH 83 STAGED CONSTRUCTION FOR E MONROE AVE INTERSECTION. (DO NOT BEGIN UNTIL AFTER MAY 31 AND COMPLETE BY AUGUST 19, DATES REFER TO WHEN SCHOOL IS NOT IN SESSION)
-STH 83 MAINLINE FROM JEFFERSON AVE TO STH 60.
-STH 83 FROM KOSSUTH ST TO STH 60 (DO NOT BEGIN UNTIL JULY 5 AND COMPLETE BY AUGUST 19 TO MINIMIZE IMPACTS TO LOCAL MEMORIAL DAY AND JULY 4TH PARADES THAT TRAVEL ALONG S. MAIN STREET)
-INSTALL NEW WATER MAIN AND STORM SEWER AS SPECIFIED IN PLANS.
-SPOT SANITARY IMPROVEMENTS AS SPECIFIED IN PLANS.

TRAFFIC
-STH 83 OPEN TO TRAFFIC FROM THE SOUTH PROJECT LIMIT TO JEFFERSON AVE.
-E. MONROE AVE. OPEN TO TRAFFIC.
-NORTH OF E. LINCOLN AVE CLOSED TO THRU TRAFFIC.

PEDESTRIANS
-IN STAGE 1A THROUGH 1D, DETOUR PEDESTRIAN TRAFFIC TRAVELING ON E. MONROE AVE. AROUND STH 83/E MONROE AVE INTERSECTION VIA EVERGREEN DR, JEFFERSON AVE, AND HARKER AVE.
-MAINTAIN ACCESS TO CONCRETE SIDEWALK ON THE WEST SIDE OF STH 83 SOUTH OF E MONROE AVE BETWEEN EVERGREEN DR AND STH 83 IN STAGE 1A. INSTALL NEW CONCRETE SIDEWALK AND NEW CURB RAMP AT HARKER AVE PRIOR TO TEMPORARY WIDENING ON THE NORTH SIDE OF EAST MONROE AVE AND PRIOR TO ENFORCING THE PEDESTRIAN DETOUR IN STAGE 1A.
-PLACE TEMPORARY ASPHALT IMMEDIATELY FOLLOWING ANY CONSTRUCTION ACTIVITIES THAT REQUIRE REMOVALS ON THE OPEN SIDEWALK.
-REFER TO SPECIAL PROVISIONS FOR ADVANCED WARNING SIGNS FOR SIDEROAD SIDEWALK CLOSURES.

GENERAL NOTES FOR CONSTRUCTION STAGING AND TRAFFIC CONTROL

1. ALL TRAFFIC CONTROL SIGNS SHALL BE 36" X 36" UNLESS OTHERWISE NOTED IN THE PLANS.
2. "WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS REFLECTIVE ORANGE.
3. UNLESS OTHERWISE SHOWN, DRUMS SHALL BE SPACED AT 25-FT OC IN TAPERS AND 50-FT OC ON TANGENTS OR AS OTHERWISE SHOWN.
4. SIGN LOCATIONS ARE APPROXIMATE. THE ACTUAL LOCATION SPACING MAY BE ADJUSTED AS DIRECTED BY THE ENGINEER TO MEET FIELD CONDITIONS.
5. ALL SIGNS, TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE COVERED OR REMOVED AS NEEDED AND/OR AS DIRECTED BY THE ENGINEER. NO "WORKING" LIGHTS SHOULD BE VISIBLE ON A COVERED OR LAID DOWN SIGN.
6. ALL EXISTING CONFLICTING PAVEMENT MARKING SHALL BE REMOVED.
7. A FLAGGER MAY BE REQUIRED WHERE CONSTRUCTION VEHICLES ENTER OR LEAVE "WORK/CLOSED" AREAS IF WARRANTED BY CONDITIONS AND/OR AS DIRECTED BY THE ENGINEER.
8. CONTRACTOR SHALL INSTALL PERMANENT SIGNS AND PERMANENT PAVEMENT MARKING WHEN APPROPRIATE DURING CONSTRUCTION STAGING AS SHOWN ON PLANS OR AS DIRECTED BY THE ENGINEER.
9. ADEQUATE TURNING PROVISION SHALL BE MAINTAINED FOR ALL VEHICLES, INCLUDING TRUCKS AS DIRECTED BY THE ENGINEER.
10. BARRICADE STRIPES ARE TO BE SLOPED DOWNWARD IN THE DIRECTION OF TRAFFIC FLOW

PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	TRAFFIC CONTROL - STAGE 1 OVERVIEW	SHEET 108	E

NOTES:

IMPLEMENT A 4-WAY STOP. INSTALL STOP AHEAD WARNING SIGNS FOR DURATION OF INTERSECTION CONSTRUCTION.

TWO WEEKS PRIOR TO IMPLEMENTING 4-WAY STOP, PLACE PCMS AS SHOWN WITH MESSAGE "BE PREPARED TO STOP".

THROUGHOUT STORM SEWER CONSTRUCTION, PLACE PCMS AS SHOWN WITH THE MESSAGE "FLAGGERS AHEAD, EXPECT DELAYS".

FOR ADVANCE WARNING SIGNING ON ALL LEGS SEE SDD TRAFFIC CONTROL. ADVANCE WARNING SIGNS 40MPH OR LESS, TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC.

MAINTAIN DRAINAGE TO EXISTING INLETS WITHIN THE TEMPORARY WIDENING AREAS, UNTIL STAGE 1D. REPLACE EXISTING INLET COVERS WITH INLET COVER TYPE B.

ALL STORM SEWER WORK IS TO BE COMPLETED IN STAGE 1A DURING APPROVED TIMES AND AT THE ENGINEERS DIRECTION USING FLAGGING OPERATIONS. MAINTAIN TWO LANES OF TRAFFIC IN EACH DIRECTION AT ALL TIMES DURING STORM SEWER CONSTRUCTION/REMOVAL.

SEE PEDESTRIAN DETOUR PLAN FOR SIDEWALK CLOSURE INFORMATION AND TRAFFIC CONTROL ITEMS RELATED TO PEDESTRIAN TRAFFIC.

CONSTRUCTION:

INSTALL NEW CONCRETE SIDEWALK ON SOUTH SIDE OF E MONROE AVE FROM EVERGREEN DR TO EXISTING SIDEWALK ON WEST SIDE OF STH 83. MAINTAIN ACCESS TO EXISTING SIDEWALK WITH TEMPORARY ASPHALT.

INSTALL CURB RAMP ON SOUTH SIDE OF STH 83 AT HARKER AVE

INSTALL TEMPORARY WIDENING ON EAST SIDE OF STH 83 AND NORTH SIDE OF E MONROE AVE

CONSTRUCT STORM SEWER TO EXISTING MANHOLE ON STH 83 AT STA. 256+20, 9'RT.

N

ROAD WORK AHEAD W20-1
PLACE 700' WEST OF EVERGREEN DR

END ROAD WORK G20-2A 48" X 24"

E. MONROE AVE

EVERGREEN DR

CONSTRUCT CONCRETE SIDEWALK

TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 8-INCH (WHITE)

MAINTAIN CONNECTION TO EXISTING SIDEWALK WITH TEMPORARY ASPHALT

TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)

TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (WHITE)

MAINTAIN ACCESS TO SIDEWALK DURING STAGE 1A.

END ROAD WORK G20-2A 48" X 24"

RIGHT TURN LANE R3-55R 24" X 30"

STOP R1-1 30" X 30"

48+54.48 22.25'LT — CONSTRUCT TEMPORARY WIDENING

R11-2 48" X 30" LANE CLOSED — TYPE III BARRICADE

48+80.46 35.00'LT

48+96.79 35.00'LT

INSTALL INLET COVER TYPE B

49+44.21 42.73'LT

49+62.19 49.39'LT

+54.21 26.05'LT

+64.84 17.20'LT

MB

90' TAPER

251 252 253 254 255 256 257 258 259 260 261 262 263 264

STH 83 (GRAND AVE)

+57.86 15.35'RT

25'

+60.90 27.00'RT

+47.39 27.00'RT

+06.29 39.00'RT

+36.33 39.00'RT

50+51.80 25.80'RT

CONSTRUCT TEMPORARY WIDENING

INSTALL INLET COVER TYPE B

+01.35 15.10'RT

+64.44 28.36'RT

INSTALL INLET COVER TYPE B

50+37.00 52.55'LT

50+45.67 47.06'LT

INSTALL INLET COVER TYPE B

50+83.80 41.00'LT

CONSTRUCT TEMPORARY WIDENING

51+54.51 41.00'LT

TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 8-INCH (WHITE)

TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)

RIGHT TURN LANE R3-55R 24" X 30"

INSTALL INLET COVER TYPE B

52+80.48 22.07'LT

HARKER AVE

R11-2 48" X 30" LANE CLOSED — TYPE III BARRICADE

INSTALL CONCRETE SIDEWALK AND CURB RAMP TYPE 7B PRIOR TO CONSTRUCTION OF TEMPORARY WIDENING

END ROAD WORK G20-2A 48" X 24"

ROAD WORK AHEAD W20-1
PLACE 250' EAST OF HARKER AVE

ROAD WORK AHEAD W20-1

END ROAD WORK G20-2A 48" X 24"

JEFFERSON AVE

R10-71 66" X 36" ACCESS TO LOCAL BUSINESSES — TYPE III BARRICADE

R11-2 48" X 30" ROAD CLOSED — TYPE III BARRICADE

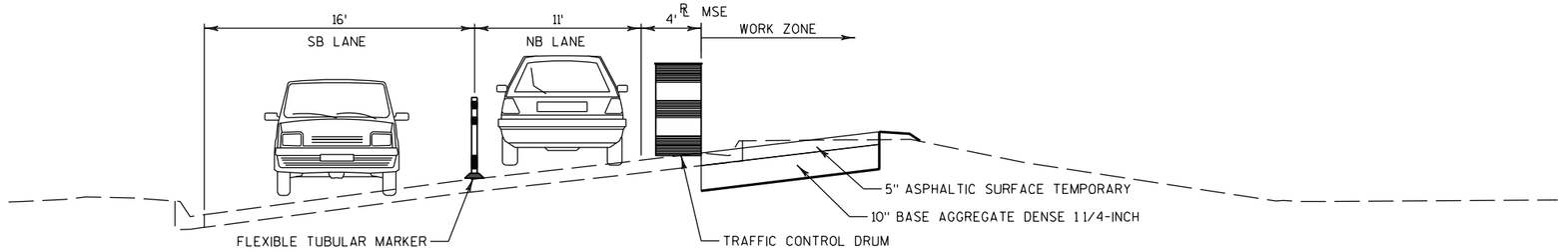
END ROAD WORK G20-2A 48" X 24"

ROAD WORK AHEAD W20-1

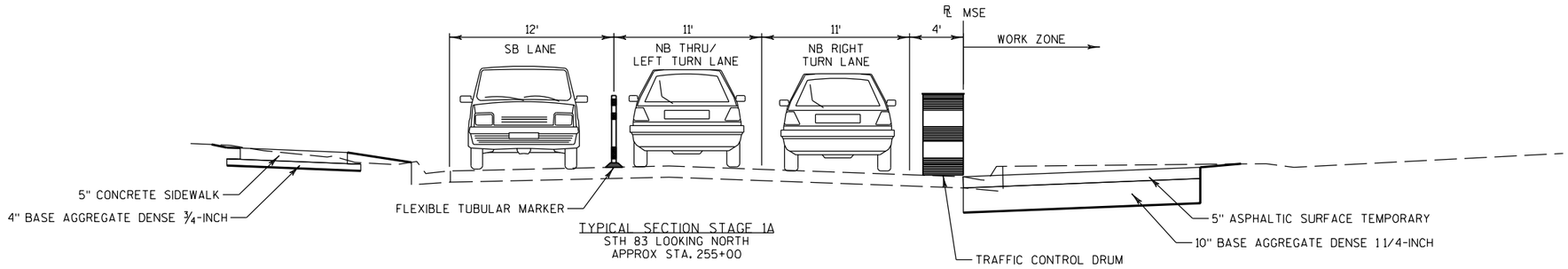
LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- (A) TYPE A WARNING LIGHT (FLASHING)
- (C) TYPE C WARNING LIGHT (STEADY BURN)
- WORK AREA
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

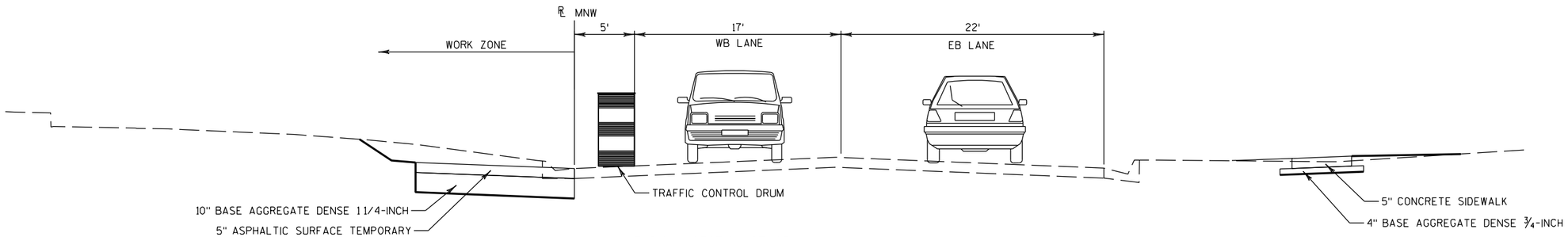
PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	TRAFFIC CONTROL - STAGE 1A E MONROE AVE	SHEET 109	E



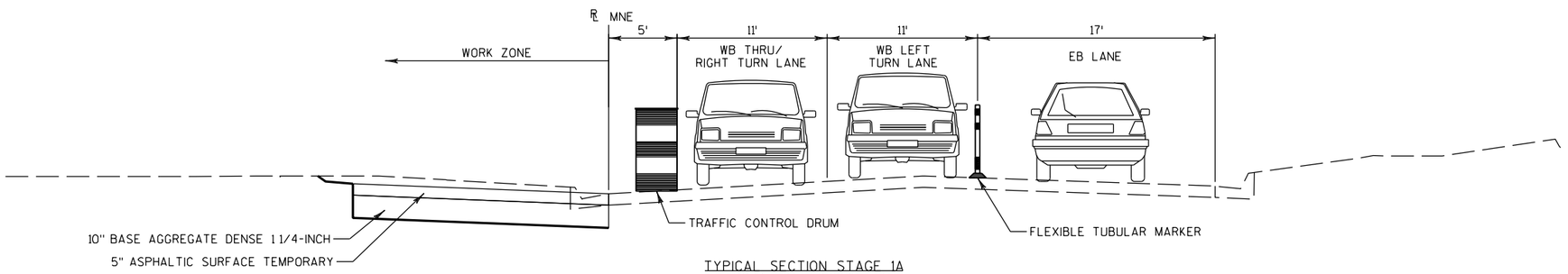
TYPICAL SECTION STAGE 1A
STH 83 LOOKING NORTH
APPROX STA. 252+50



TYPICAL SECTION STAGE 1A
STH 83 LOOKING NORTH
APPROX STA. 255+00



TYPICAL SECTION STAGE 1A
E MONROE AVE LOOKING EAST
APPROX STA. 49+00



TYPICAL SECTION STAGE 1A
E MONROE AVE LOOKING EAST
APPROX STA. 51+00

PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	TRAFFIC CONTROL - STAGE 1A E MONROE AVE	SHEET 110	E

NOTES:

FOR ADVANCE WARNING SIGNING ON ALL LEGS SEE SDD TRAFFIC CONTROL. ADVANCE WARNING SIGNS 40MPH OR LESS, TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC.

NO PARKING WITHIN 1000' OF MONROE AVE.

GAP INTERSECTION AS NECESSARY TO MAINTAIN ACCESS AND CONSTRUCT FINAL PAVEMENT. USE FLAGGERS ONLY AT APPROVED TIMES AND AT THE ENGINEERS DIRECTION.

MAINTAIN DRAINAGE TO EXISTING INLETS WITHIN THE TEMPORARY WIDENING AREAS, UNTIL STAGE 1D. REPLACE EXISTING INLET COVERS WITH INLET COVER TYPE B.

SEE PEDESTRIAN DETOUR PLAN FOR SIDEWALK CLOSURE INFORMATION AND TRAFFIC CONTROL ITEMS RELATED TO PEDESTRIAN TRAFFIC.

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- TYPE A WARNING LIGHT (FLASHING)
- TYPE C WARNING LIGHT (STEADY BURN)
- WORK AREA
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

N

ROAD WORK AHEAD W20-1

PLACE 700' WEST OF EVERGREEN DR

END ROAD WORK G20-2A 48" X 24"

PLACE 700' WEST OF EVERGREEN DR

180' TAPER

80' TAPER

25'

E MONROE AVE

TEMPORARY PAVEMENT MARKING REMOV. TAPE 4-INCH (DOUBLE YELLOW)

TEMPORARY PAVEMENT MARKING REMOV. TAPE 4-INCH (WHITE)

EVERGREEN DR

TEMPORARY PAVEMENT MARKING 4-INCH (DOUBLE YELLOW)

TEMPORARY PAVEMENT MARKING 4-INCH (WHITE)

R11-2 48" X 30" LANE CLOSED TYPE III BARRICADE

R11-2 48" X 30" LANE CLOSED TYPE III BARRICADE

END ROAD WORK G20-2A 48" X 24"

MAINTAIN ACCESS TO SIDEWALK DURING STAGE 1B WITH A TEMPORARY HARD SURFACE IN COMPLIANCE WITH THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES" (ADAAG) REQUIREMENTS

STOP R1-1 30" X 30"

TEMPORARY ASPHALT WIDENING COMPLETED IN STAGE 1A

PROPOSED SIDEWALK CONSTRUCTED IN STAGE 1A

STOP R1-1 30" X 30"

TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 8-INCH (YELLOW, 3' LINE 9' SKIP)

ROAD WORK AHEAD W20-1

JEFFERSON AVE

END ROAD WORK G20-2A 48" X 24"

R10-71 66" X 36" ACCESS TO LOCAL BUSINESSES TYPE III BARRICADE

249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264

STH 83 (GRAND AVE)

230' TAPER

TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)

TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (WHITE)

25' 25'

RIGHT TURN LANE R3-55R 24" X 30"

TEMPORARY ASPHALT WIDENING COMPLETED IN STAGE 1A

TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 8-INCH (WHITE)

STOP R1-1 30" X 30"

TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 8-INCH (WHITE, 3' LINE 9' SKIP)

TEMPORARY ASPHALT WIDENING COMPLETED IN STAGE 1A

TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 8-INCH (WHITE)

TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (WHITE)

LEFT TURN LANE R3-55L 24" X 30"

R11-2 48" X 30" ROAD CLOSED TYPE III BARRICADE

END ROAD WORK G20-2A 48" X 24"

ROAD WORK AHEAD W20-1

TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)

TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (WHITE, 3' LINE 9' SKIP)

R11-2 48" X 30" LANE CLOSED TYPE III BARRICADE

HARKER AVE

TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)

ROAD WORK AHEAD W20-1

PLACE 250' EAST OF HARKER AVE

180' TAPER 80' TAPER 25'

TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (WHITE)

PLACE 250' EAST OF HARKER AVE END ROAD WORK G20-2A 48" X 24"

CONSTRUCTION:

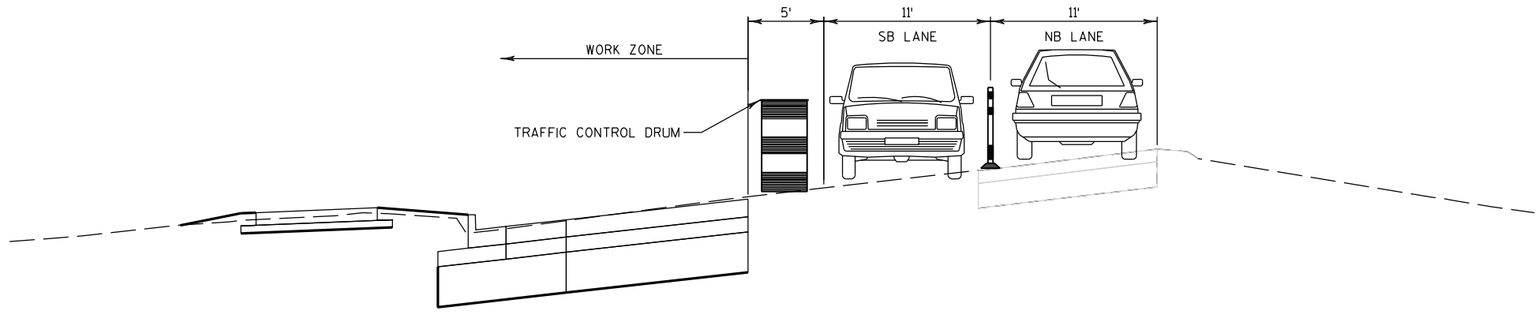
SHIFT STH 83 TRAFFIC TO NORTHBOUND LANES AND TEMPORARY WIDENING.

SHIFT E MONROE AVE TRAFFIC TO NORTH SIDE OF INTERSECTION AND TEMPORARY WIDENING.

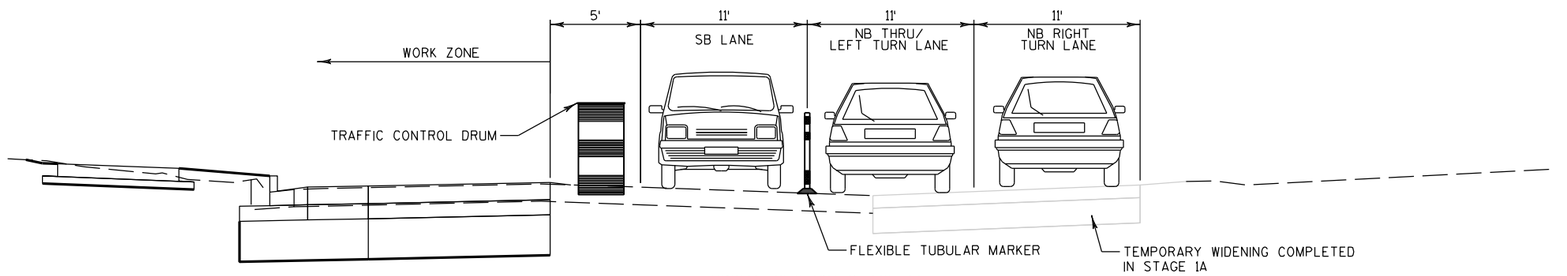
CONSTRUCT WEST SIDE OF STH 83 AND SOUTH SIDE OF E MONROE AVE.

INSTALL WATER MAIN AS SPECIFIED IN PLANS. SEE WATER MAIN STAGING SHEET FOR MORE INFORMATION. MAINTAIN DRAINAGE TO EXISTING INLETS WITHIN TEMPORARY WIDEING UNTIL STAGE 1D.

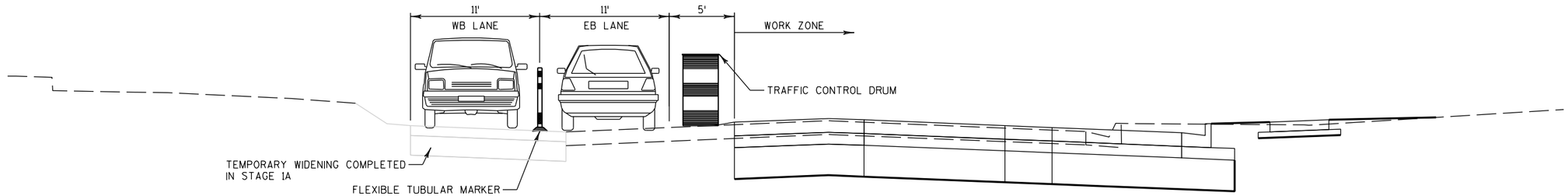
PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	TRAFFIC CONTROL - STAGE 1B MONROE AVE	SHEET 111	E



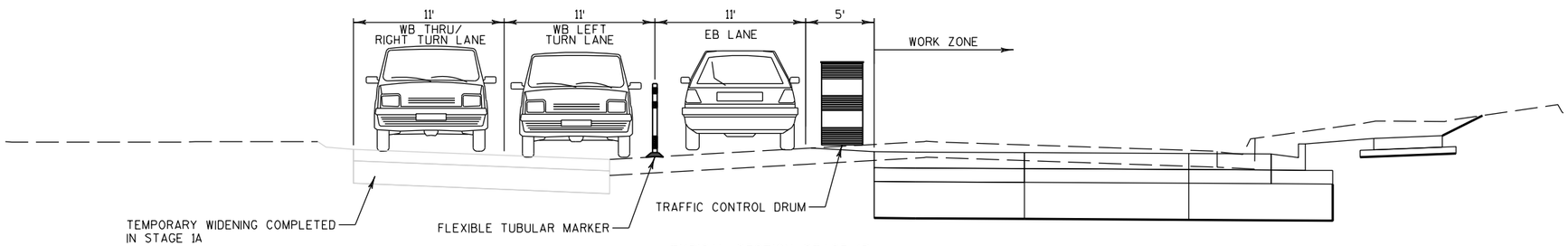
TYPICAL SECTION STAGE 1B
STH 83 LOOKING NORTH
APPROX STA. 252+50



TYPICAL SECTION STAGE 1B
STH 83 LOOKING NORTH
APPROX STA. 255+00



TYPICAL SECTION STAGE 1B
E MONROE AVE LOOKING EAST
APPROX STA. 49+00



TYPICAL SECTION STAGE 1B
E MONROE AVE LOOKING EAST
APPROX STA. 51+00

PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	TRAFFIC CONTROL - STAGE 1B E MONROE AVE	SHEET 112	E

NOTES:

FOR ADVANCE WARNING SIGNING ON ALL LEGS SEE SDD TRAFFIC CONTROL. ADVANCE WARNING SIGNS 40MPH OR LESS, TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC.

NO PARKING WITHIN 1000' OF MONROE AVE.

GAP INTERSECTION AS NECESSARY TO MAINTAIN ACCESS AND CONSTRUCT FINAL PAVEMENT. USE FLAGGERS ONLY AT APPROVED TIMES AND AT THE ENGINEERS DIRECTION.

MAINTAIN DRAINAGE TO EXISTING INLETS WITHIN THE TEMPORARY WIDENING AREAS, UNTIL STAGE 1D. REPLACE EXISTING INLET COVERS WITH INLET COVER TYPE B.

SEE PEDESTRIAN DETOUR PLAN FOR SIDEWALK CLOSURE INFORMATION AND TRAFFIC CONTROL ITEMS RELATED TO PEDESTRIAN TRAFFIC.

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- TYPE A WARNING LIGHT (FLASHING)
- TYPE C WARNING LIGHT (STEADY BURN)
- WORK AREA
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

N

ROAD WORK AHEAD W20-1
PLACE 700' WEST OF EVERGREEN DR

END ROAD WORK G20-2A 48" X 24"
PLACE 700' WEST OF EVERGREEN DR

E MONROE AVE
25'
100' TAPER
EVERGREEN DR

TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (YELLOW)
TEMPORARY ASPHALT WIDENING COMPLETED IN STAGE 1A
TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (YELLOW)

R11-2 48" X 30" LANE CLOSED
TYPE III BARRICADE

END ROAD WORK G20-2A 48" X 24"
TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (YELLOW)

R11-2 48" X 30" LANE CLOSED
TYPE III BARRICADE

STOP R1-1 30" X 30"

R11-2 48" X 30" LANE CLOSED
TYPE III BARRICADE

STH 83 TO REMAIN OPEN TO E LINCOLN AVE

ROAD WORK AHEAD W20-1

JEFFERSON AVE

END ROAD WORK G20-2A 48" X 24"

R10-71 66" X 36" ACCESS TO LOCAL BUSINESSES
TYPE III BARRICADE

251 252 253 254 255 256 257 258 259 260 261 262 263 264
230' TAPER
25'
STH 83 (GRAND AVE)

RIGHT TURN LANE R3-56R 22" X 28"
TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 8-INCH (WHITE)

STOP R1-1 30" X 30"

TEMPORARY ASPHALT WIDENING COMPLETED IN STAGE 1A
TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 8-INCH (YELLOW, 3' LINE 9' SKIP)

STOP R1-1 30" X 30"

R11-2 48" X 30" LANE CLOSED
TYPE III BARRICADE

TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 8-INCH (WHITE)

LEFT TURN LANE R3-55L 24" X 30"

TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (YELLOW)
TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (WHITE 3' LINE 9' SKIP)
TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (YELLOW)

HARKER AVE

R11-2 48" X 30" ROAD CLOSED
TYPE III BARRICADE

ROAD WORK AHEAD W20-1

END ROAD WORK G20-2A 48" X 24"

ROAD WORK AHEAD W20-1

TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (YELLOW)
100' TAPER
25'

PLACE 250' EAST OF HARKER AVE
END ROAD WORK G20-2A 48" X 24"

ROAD WORK AHEAD W20-1
PLACE 250' EAST OF HARKER AVE

STH 83 LANE SHIFT DETAIL TO COMPLETE GAP PAVING

CONSTRUCTION:

SHIFT STH 83 TRAFFIC TO OUTSIDE LANES AND TEMPORARY WIDENING.

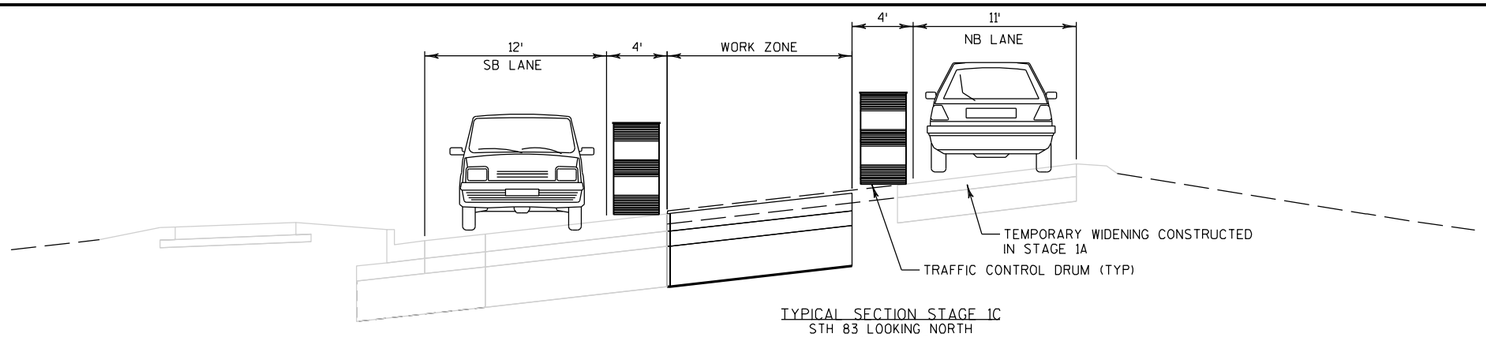
SHIFT E MONROE AVE TRAFFIC TO OUTSIDE LANES AND TEMPORARY WIDENING.

CONSTRUCT INSIDE LANE AND PART OF NORTHBOUND LANES ON STH 83.

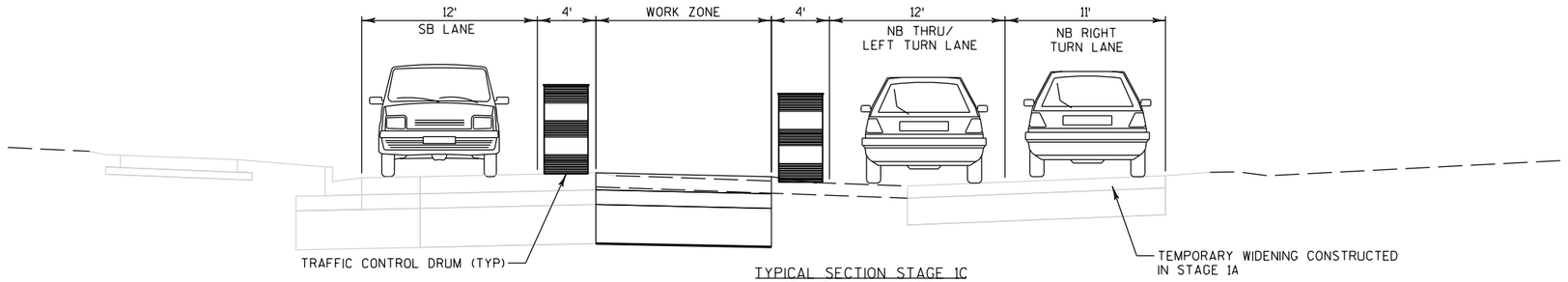
CONSTRUCT INSIDE WESTBOUND LANE ON E MONROE AVE.

INSTALL NEW WATER MAIN AS SPECIFIED IN PLANS. SEE WATER MAIN STAGING SHEET FOR MORE INFORMATION. MAINTAIN DRAINAGE TO EXISTING INLETS WITHIN TEMPORARY WIDEING UNTIL STAGE 1D.

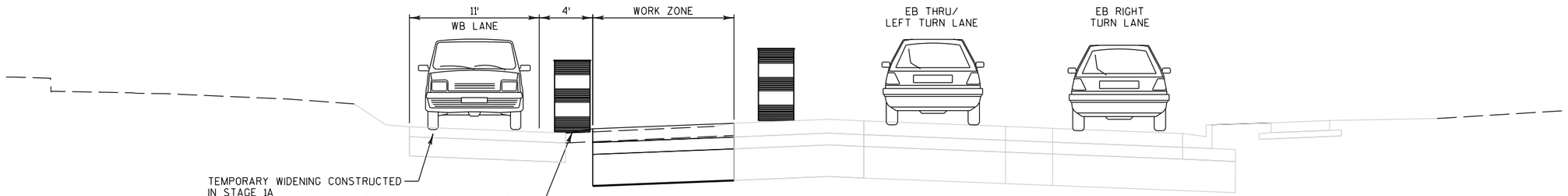
PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	TRAFFIC CONTROL - STAGE 1C E MONROE AVE	SHEET 113	E



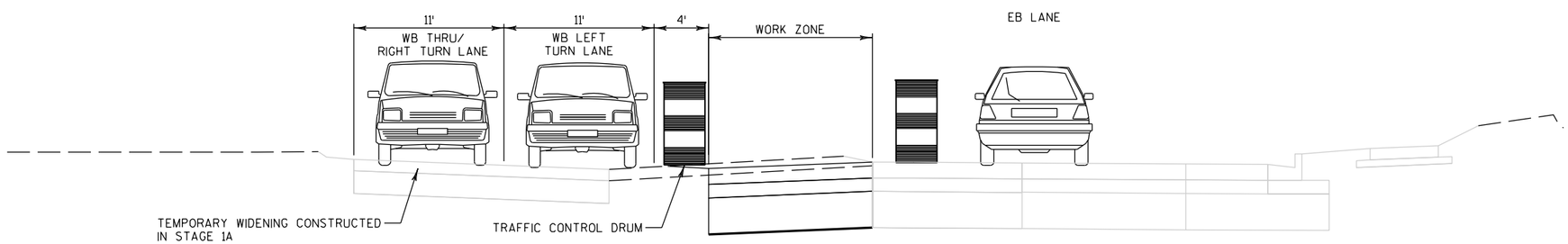
TYPICAL SECTION STAGE 1C
STH 83 LOOKING NORTH
APPROX STA. 252+50



TYPICAL SECTION STAGE 1C
STH 83 LOOKING NORTH
APPROX STA. 255+00



TYPICAL SECTION STAGE 1C
E MONROE AVE LOOKING EAST
APPROX STA. 49+00



TYPICAL SECTION STAGE 1C
E MONROE AVE LOOKING EAST
APPROX STA. 51+00

PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	TRAFFIC CONTROL - STAGE 1C E MONROE AVE	SHEET 114	E

NOTES:

FOR ADVANCE WARNING SIGNING ON ALL LEGS SEE SDD TRAFFIC CONTROL. ADVANCE WARNING SIGNS 40MPH OR LESS, TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC.

NO PARKING WITHIN 1000' OF MONROE AVE.

GAP INTERSECTION AS NECESSARY TO MAINTAIN ACCESS AND CONSTRUCT FINAL PAVEMENT. USE FLAGGERS ONLY AT APPROVED TIMES AND AT THE ENGINEERS DIRECTION.

PLACE TEMPORARY ASPHALT FOR INSTALLATION OF REMAINING PROPOSED STORM SEWER IN STAGE 2

SEE PEDESTRIAN DETOUR PLAN FOR SIDEWALK CLOSURE INFORMATION AND TRAFFIC CONTROL ITEMS RELATED TO PEDESTRIAN TRAFFIC.

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- (A) TYPE A WARNING LIGHT (FLASHING)
- (C) TYPE C WARNING LIGHT (STEADY BURN)
- WORK AREA
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

N

ROAD WORK AHEAD W20-1

PLACE 700' WEST OF EVERGREEN DR

END ROAD WORK G20-2A 48" X 24"

PLACE 700' WEST OF EVERGREEN DR

R11-2 48" X 30" LANE CLOSED

TYPE III BARRICADE

EVERGREEN DR

MONROE AVE

25' 125' 120' TAPER

END ROAD WORK G20-2A 48" X 24"

R11-2 48" X 30" LANE CLOSED

TYPE III BARRICADE

TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)

TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (WHITE)

TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 8-INCH (WHITE)

TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)

STOP R1-1 30" X 30"

STOP R1-1 30" X 30"

R11-2 48" X 30" LANE CLOSED

TYPE III BARRICADE

ROAD WORK AHEAD W20-1

JEFFERSON AVE

END ROAD WORK G20-2A 48" X 24"

R10-71 66" X 36" ACCESS TO LOCAL BUSINESSES

TYPE III BARRICADE

251 252 253 254 255 256 257 258 259 260 261 262 263 264

+54 +58 +53 +61 +21

120' TAPER

STH 83 (GRAND AVE)

STH 83 TO REMAIN OPEN TO LINCOLN AVE

TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (WHITE 3' LINE 9' SKIP)

RIGHT TURN LANE R3-56R 22" X 28"

STOP R1-1 30" X 30"

TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (WHITE)

R11-2 48" X 30" LANE CLOSED

TYPE III BARRICADE

TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 8-INCH (WHITE)

TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)

TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (WHITE)

END ROAD WORK G20-2A 48" X 24"

R11-2 48" X 30" ROAD CLOSED

TYPE III BARRICADE

ROAD WORK AHEAD W20-1

HARKER AVE

PLACE 250' EAST OF HARKER AVE

END ROAD WORK G20-2A 48" X 24"

ROAD WORK AHEAD W20-1

PLACE 250' EAST OF HARKER AVE

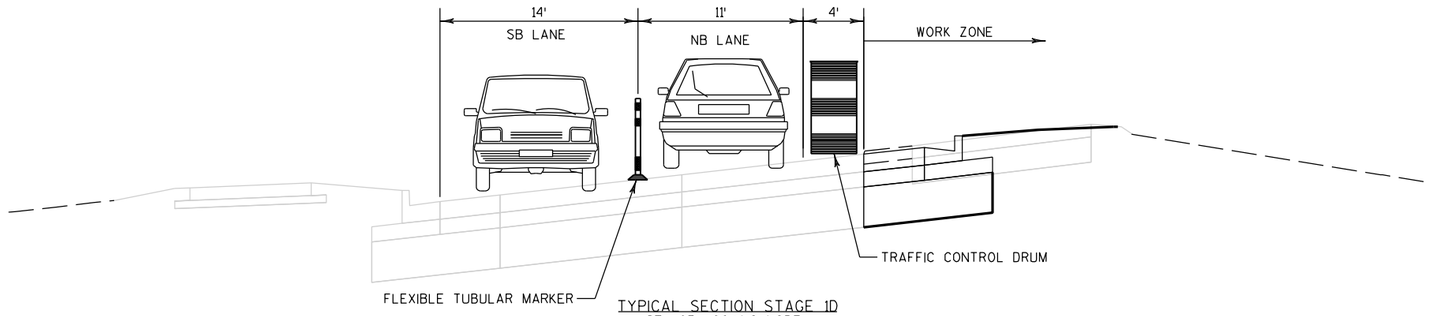
CONSTRUCTION:

OPEN STH 83 SOUTH OF E MONROE AVE TO TRAFFIC

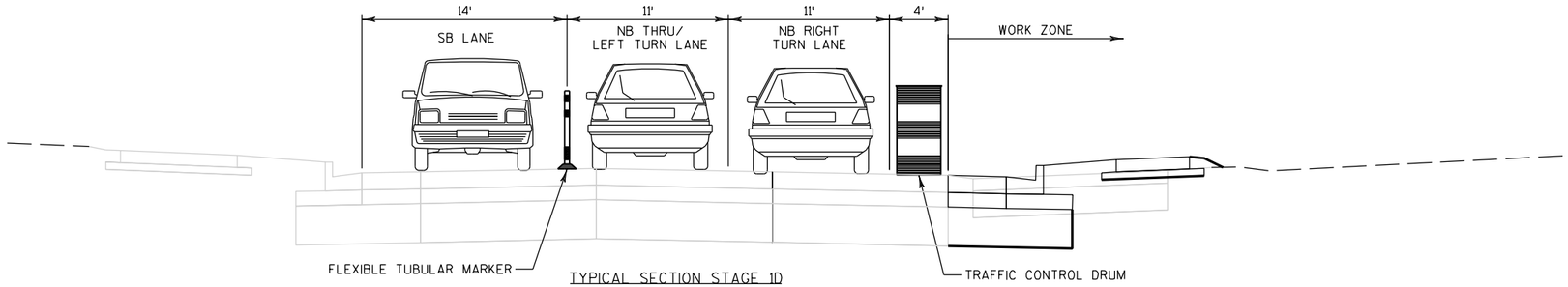
SHIFT E MONROE AVE TRAFFIC TO THE SOUTH SIDE OF THE INTERSECTION. REMOVE TEMPORARY WIDENING AND FINISH CONSTRUCTION OF THE NORTH SIDE OF E MONROE AVE

INSTALL NEW WATER MAIN AS SPECIFIED IN PLANS. SEE WATER MAIN STAGING SHEET FOR MORE INFORMATION.

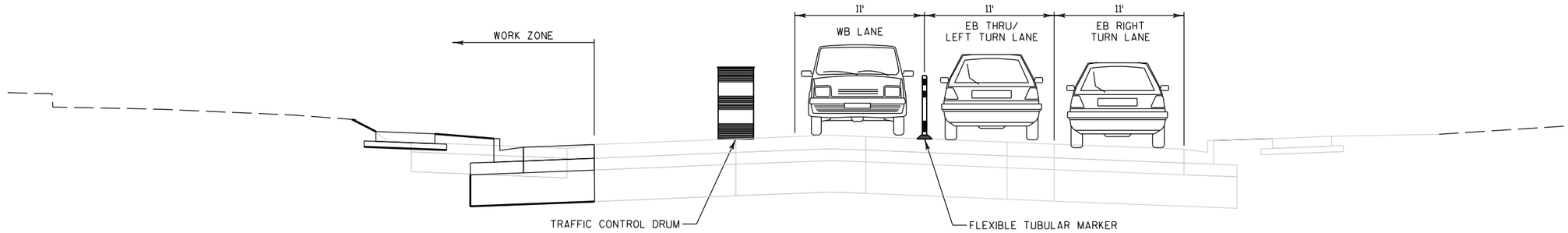
PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	TRAFFIC CONTROL - STAGE 1D E MONROE AVE	SHEET 115 E



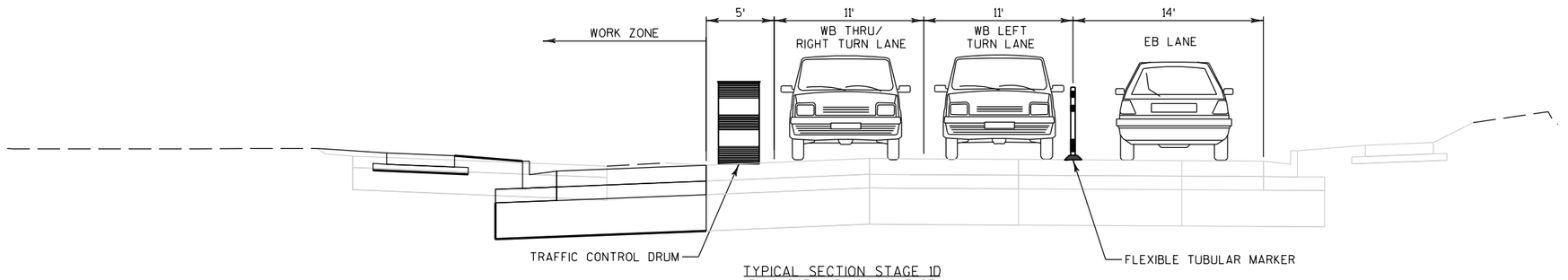
TYPICAL SECTION STAGE 1D
STH 83 LOOKING NORTH
APPROX STA. 252+50



TYPICAL SECTION STAGE 1D
STH 83 LOOKING NORTH
APPROX STA. 255+00



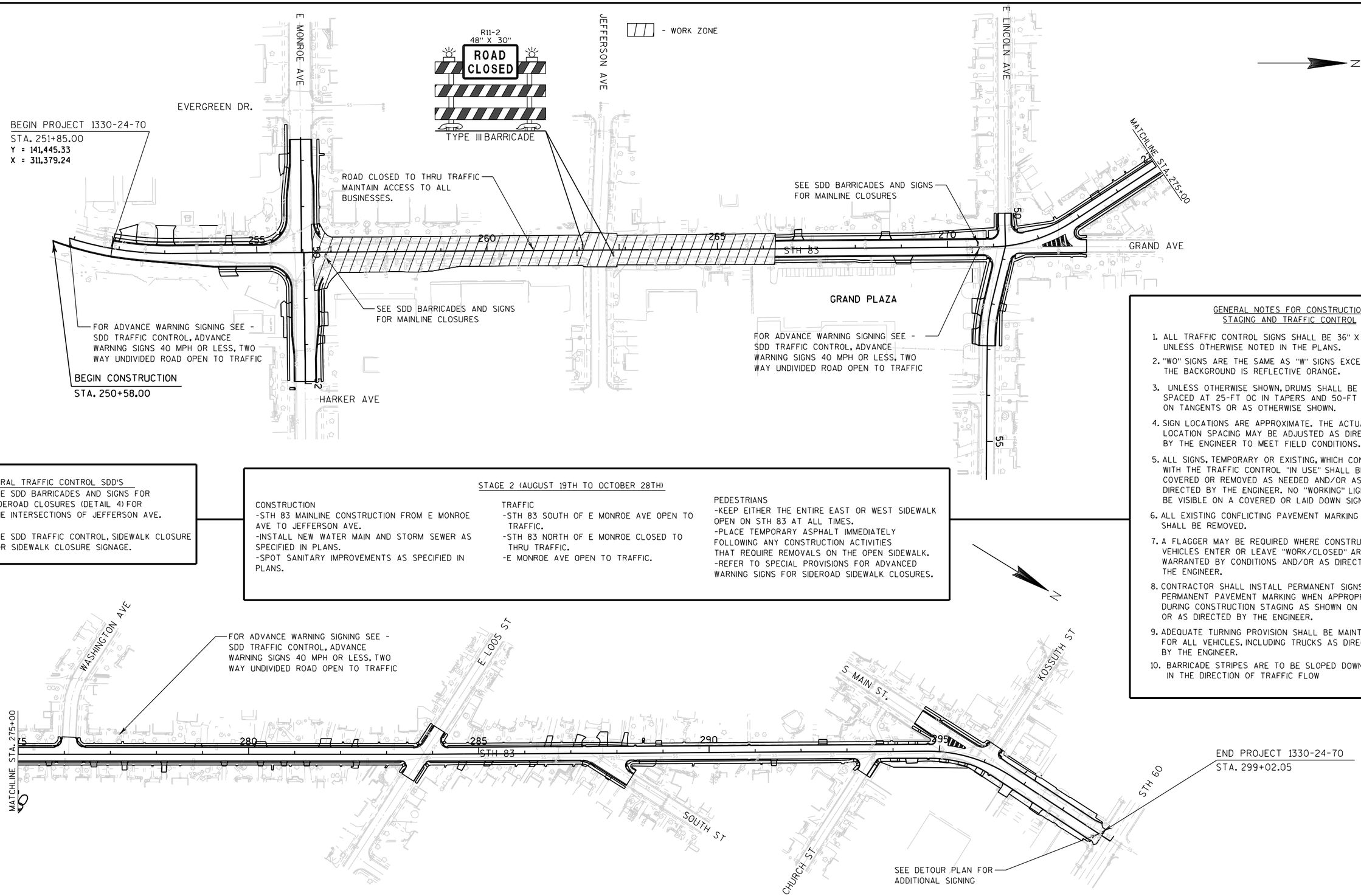
TYPICAL SECTION STAGE 1D
E MONROE AVE LOOKING EAST
APPROX STA. 49+00



TYPICAL SECTION STAGE 1D
E MONROE AVE LOOKING EAST
APPROX STA. 51+00

PROJECT NO:1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	TRAFFIC CONTROL - STAGE 1D E MONROE AVE	SHEET	E

FILE NAME : K:\CADDS\Active\SE\1330-24-00 STH 83\Main\025005a_tc_s1.dgn PLOT DATE : 5/1/2015 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : 100.0000 ' / in.



GENERAL TRAFFIC CONTROL SDD'S

1. SEE SDD BARRICADES AND SIGNS FOR SIDEROAD CLOSURES (DETAIL 4) FOR THE INTERSECTIONS OF JEFFERSON AVE.
2. SEE SDD TRAFFIC CONTROL, SIDEWALK CLOSURE FOR SIDEWALK CLOSURE SIGNAGE.

STAGE 2 (AUGUST 19TH TO OCTOBER 28TH)

CONSTRUCTION
-STH 83 MAINLINE CONSTRUCTION FROM E MONROE AVE TO JEFFERSON AVE.
-INSTALL NEW WATER MAIN AND STORM SEWER AS SPECIFIED IN PLANS.
-SPOT SANITARY IMPROVEMENTS AS SPECIFIED IN PLANS.

TRAFFIC
-STH 83 SOUTH OF E MONROE AVE OPEN TO TRAFFIC.
-STH 83 NORTH OF E MONROE CLOSED TO THRU TRAFFIC.
-E MONROE AVE OPEN TO TRAFFIC.

PEDESTRIANS
-KEEP EITHER THE ENTIRE EAST OR WEST SIDEWALK OPEN ON STH 83 AT ALL TIMES.
-PLACE TEMPORARY ASPHALT IMMEDIATELY FOLLOWING ANY CONSTRUCTION ACTIVITIES THAT REQUIRE REMOVALS ON THE OPEN SIDEWALK.
-REFER TO SPECIAL PROVISIONS FOR ADVANCED WARNING SIGNS FOR SIDEROAD SIDEWALK CLOSURES.

GENERAL NOTES FOR CONSTRUCTION STAGING AND TRAFFIC CONTROL

1. ALL TRAFFIC CONTROL SIGNS SHALL BE 36" X 36" UNLESS OTHERWISE NOTED IN THE PLANS.
2. "WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS REFLECTIVE ORANGE.
3. UNLESS OTHERWISE SHOWN, DRUMS SHALL BE SPACED AT 25-FT OC IN TAPERS AND 50-FT OC ON TANGENTS OR AS OTHERWISE SHOWN.
4. SIGN LOCATIONS ARE APPROXIMATE. THE ACTUAL LOCATION SPACING MAY BE ADJUSTED AS DIRECTED BY THE ENGINEER TO MEET FIELD CONDITIONS.
5. ALL SIGNS, TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE COVERED OR REMOVED AS NEEDED AND/OR AS DIRECTED BY THE ENGINEER. NO "WORKING" LIGHTS BE VISIBLE ON A COVERED OR LAID DOWN SIGN.
6. ALL EXISTING CONFLICTING PAVEMENT MARKING SHALL BE REMOVED.
7. A FLAGGER MAY BE REQUIRED WHERE CONSTRUCTION VEHICLES ENTER OR LEAVE "WORK/CLOSED" AREAS IF WARRANTED BY CONDITIONS AND/OR AS DIRECTED BY THE ENGINEER.
8. CONTRACTOR SHALL INSTALL PERMANENT SIGNS AND PERMANENT PAVEMENT MARKING WHEN APPROPRIATE DURING CONSTRUCTION STAGING AS SHOWN ON PLANS OR AS DIRECTED BY THE ENGINEER.
9. ADEQUATE TURNING PROVISION SHALL BE MAINTAINED FOR ALL VEHICLES, INCLUDING TRUCKS AS DIRECTED BY THE ENGINEER.
10. BARRICADE STRIPES ARE TO BE SLOPED DOWNWARD IN THE DIRECTION OF TRAFFIC FLOW

PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	TRAFFIC CONTROL - STAGE 2 OVERVIEW	SHEET 117	E

NOTE: SEE WATER MAIN REPLACEMENT PLANS FOR MORE INFORMATION REGARDING INSTALLATION.

TEMPORARY CONNECTION TO EXISTING 10" WATER MAIN ON STH 83 IN STAGE 1D. TEMPORARY CONNECTION TO BE REMOVED AND NEW CONNECTION MADE AFTER STAGE 2 WATER MAIN IS COMPLETE.

℄ STH 83

℄ E. MONROE AVE

STH 83 (GRAND AVE)

EVERGREEN DR

HARKER AVE

E. MONROE AVE

E. MONROE AVE

48

49

51

52

257

256

255

254

N

STAGE 1B

STAGE 1C

STAGE 1D

PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	WATER MAIN STAGING - E MONROE AVE	SHEET 118	E

FILE NAME : K:\CADDS\Active\SE\1330-24-00 STH 83\Main\025007_tc_ss staging.dgn PLOT DATE : 5/1/2015 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : 40.0000 ' / in.

WISDOT/CADDS SHEET 42

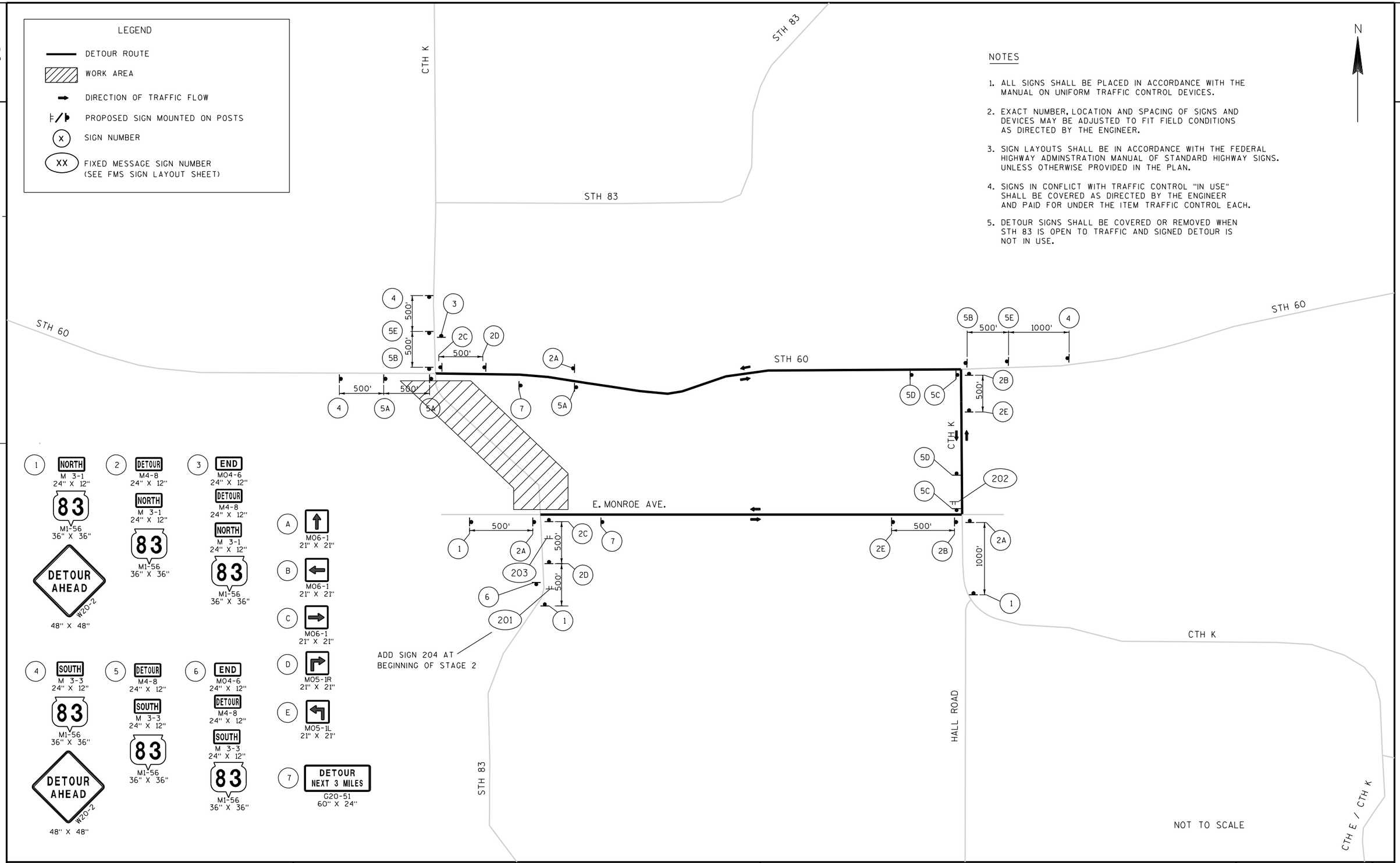
2

LEGEND

- DETOUR ROUTE
- WORK AREA
- DIRECTION OF TRAFFIC FLOW
- PROPOSED SIGN MOUNTED ON POSTS
- (X) SIGN NUMBER
- (XX) FIXED MESSAGE SIGN NUMBER (SEE FMS SIGN LAYOUT SHEET)

NOTES

1. ALL SIGNS SHALL BE PLACED IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
2. EXACT NUMBER, LOCATION AND SPACING OF SIGNS AND DEVICES MAY BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.
3. SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FEDERAL HIGHWAY ADMINSTRATION MANUAL OF STANDARD HIGHWAY SIGNS. UNLESS OTHERWISE PROVIDED IN THE PLAN.
4. SIGNS IN CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE COVERED AS DIRECTED BY THE ENGINEER AND PAID FOR UNDER THE ITEM TRAFFIC CONTROL EACH.
5. DETOUR SIGNS SHALL BE COVERED OR REMOVED WHEN STH 83 IS OPEN TO TRAFFIC AND SIGNED DETOUR IS NOT IN USE.



1 NORTH M 3-1 24" X 12" / 83 M1-56 36" X 36" / DETOUR AHEAD W20-2 48" X 48"

2 DETOUR M4-8 24" X 12" / NORTH M 3-1 24" X 12" / 83 M1-56 36" X 36"

3 END M04-6 24" X 12" / DETOUR M4-8 24" X 12" / NORTH M 3-1 24" X 12" / 83 M1-56 36" X 36"

4 SOUTH M 3-3 24" X 12" / 83 M1-56 36" X 36" / DETOUR AHEAD W20-2 48" X 48"

5 DETOUR M4-8 24" X 12" / SOUTH M 3-3 24" X 12" / 83 M1-56 36" X 36"

6 END M04-6 24" X 12" / DETOUR M4-8 24" X 12" / SOUTH M 3-3 24" X 12" / 83 M1-56 36" X 36"

A M06-1 21" X 21"

B M06-1 21" X 21"

C M06-1 21" X 21"

D M05-1R 21" X 21"

E M05-1L 21" X 21"

7 DETOUR NEXT 3 MILES G20-51 60" X 24"

PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	TRAFFIC CONTROL - DETOUR PLAN	SHEET 119 E

LEGEND

- DETOUR ROUTE
- WORK AREA
- TYPE III BARRICADE WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW-INTENSITY FLASHING)
- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- (1) SIGN NUMBER
- (205) FIXED MESSAGE SIGN NUMBER

NOTE: PEDESTRIAN DETOUR SHOULD NOT GO INTO EFFECT UNTIL THE CONCRETE SIDEWALK IS CONSTRUCTED ON THE SOUTH SIDE OF E MONROE AVE FROM EVERGREEN DR TO STH 83 IN STAGE 1A.

N

E MONROE AVE

EVERGREEN DR

JEFFERSON AVE

STH 83

HARKER AVE

E MONROE AVE

STAGE 1A ONLY

STAGE 1B-1D

205

GENERAL NOTES

1. ALL SIGNS SHALL BE PLACED IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
2. EXACT NUMBER, LOCATION AND SPACING OF SIGNS AND DEVICES MAY BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.
3. SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FEDERAL HIGHWAY ADMINSTRATION MANUAL OF STANDARD HIGHWAY SIGNS. UNLESS OTHERWISE PROVIDED IN THE PLAN.
4. DETOUR SIGNS SHALL BE COVERED OR REMOVED WHEN SIDEWALK IS OPEN TO PREDESTRIAN TRAFFIC AND SIGNED DETOUR IS NOT IN USE.

(1) SIDEWALK CLOSED — R9-9 — 24" X 12"

(2) PEDESTRIAN DETOUR — R9-XX — 24" X 12"

(3) SIDEWALK CLOSED / CROSS HERE — R9-11AR — 24" X 12"

(4) SIDEWALK CLOSED / CROSS HERE — R9-11AL — 24" X 12"

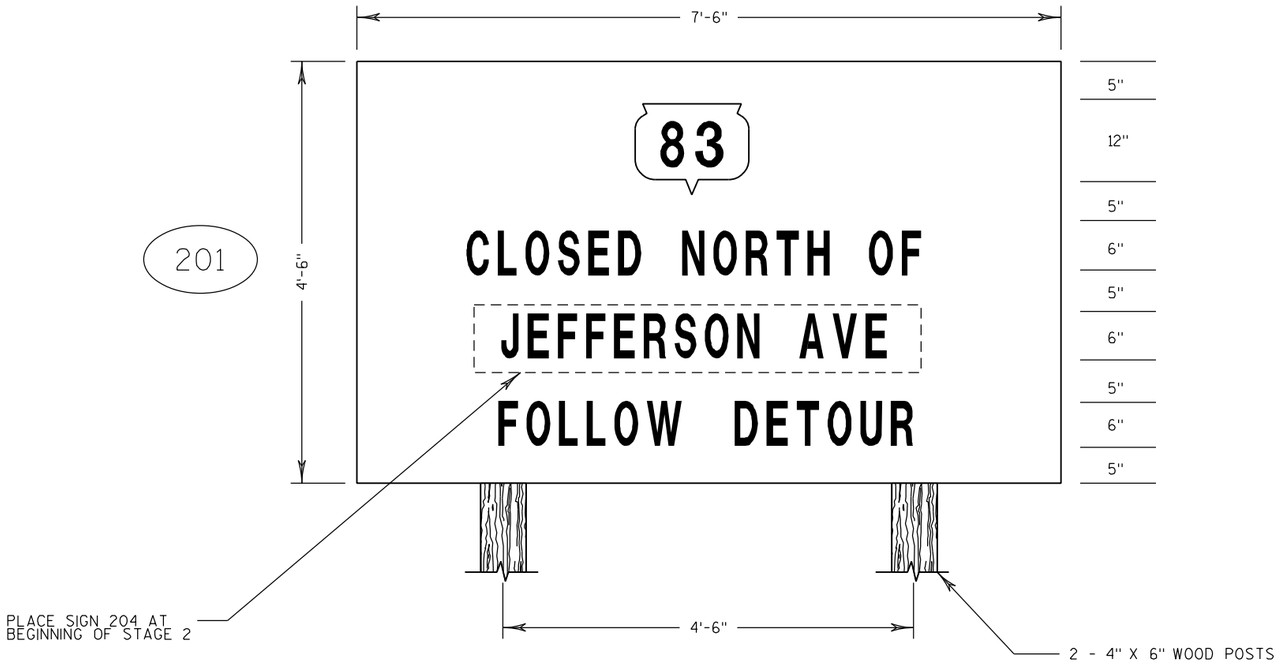
(A) M6-1 — 21" X 21"

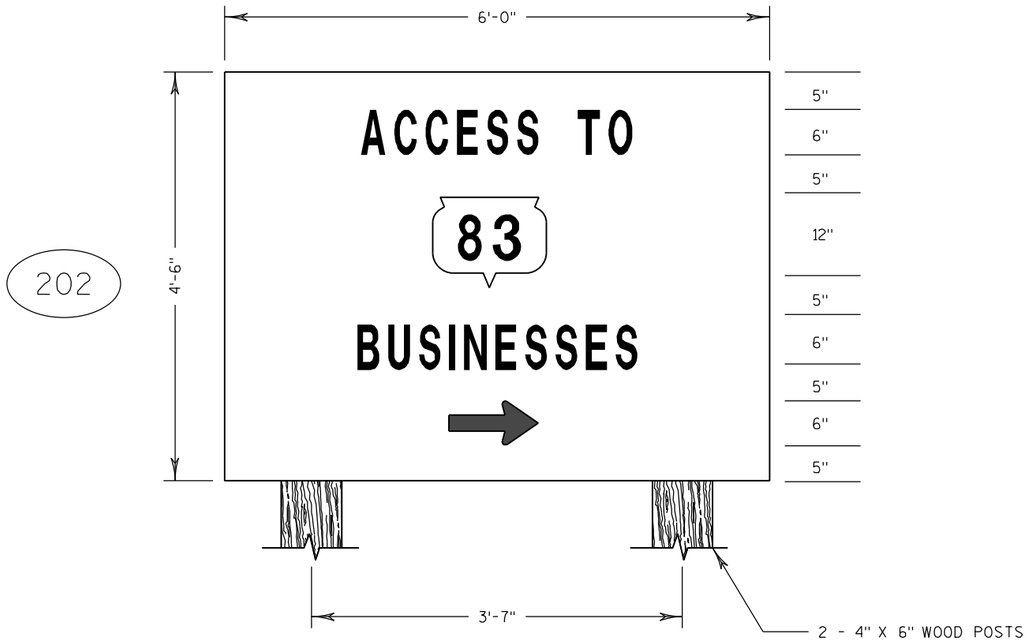
(B) M6-1 — 21" X 21"

(C) M6-1 — 21" X 21"

NOT TO SCALE

PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	TRAFFIC CONTROL - PEDESTRIAN DETOUR STAGE 1A-1D	SHEET 120	E





GENERAL NOTES:

1. ALL SIGNS TO HAVE FLUORESCENT REFLECTIVE SHEETING - REFERENCE: "WISDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION," LATEST EDITION.

2. AFTER SIGNS HAVE BEEN LOCATED IN THE FIELD, BUT BEFORE INSTALLATION, THE PROJECT ENGINEER SHALL VERIFY EACH SIGN LOCATION.

3. ALL SIGNS TO BE MOUNTED ON WOODEN POST SUPPORTS (4"x6"). THE NUMBER OF POSTS REQUIRED FOR EACH LAYOUT IS SHOWN.

4. SIGNS ON THIS SHEET TO BE PAID UNDER THE ITEM "FIXED MESSAGE SIGNS."

5. SIGNS SHALL BE BLACK NON-REFLECTIVE MESSAGE ON ORANGE FLUORESCENT REFLECTIVE BACKGROUND PER SPEC 643 & 637.

6. ALL SIGNS SHALL HAVE CAPITAL LETTERS AND NUMERALS:
   - 12" CAPS SHALL BE SERIES "D" (SIGN A)
   - 6" CAPS SHALL BE SERIES "C" (SIGN C)
   - 6" CAPS SHALL BE SERIES "B" (SIGN F)

7. ALL SIGNS SHALL HAVE BORDER & RADIUS OF BORDERS AS FOLLOWS:

SIGN AREA	WIDTH OF BORDER
GREATER THAN 150 SQ FT	3"
60-150 SQ FT	2"
LESS THAN 60 SQ FT	1"

RADIUS

SMALLEST OUTSIDE DIMENSION	CORNER RADIUS
≥ 8 FT	12"
≥ 6 FT	9"
≥ 4 FT	6"
LESS THAN 4 FT	3"

8. BEGIN XXX XX SIGNS SHALL BE SEPARATE PANELS, BUT SHALL BE CONSIDERED AS PART OF THE SIGN AND SHOULD BE REMOVED OR COVERED AFTER THEIR EFFECTIVE DATE. THE MONTH AND DAY SHALL BE AS DIRECTED BY THE ENGINEER IN THE FIELD.

9. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO ENGINEER FOR REVIEW PRIOR TO MANUFACTURING.

10. SIGN BASE MATERIAL SHALL BE ACCORDING TO SECTION 643 & 637.

11. SIGNS TO BE IN PLACE 10 DAYS PRIOR TO CONSTRUCTION.

(XXX) = SIGN NUMBER

NOTES: FIXED MESSAGE SIGNS

1. CONTRACTOR SHOULD LOCATE FIXED MESSAGE SIGNS A MINIMUM OF 400' FROM ANY EXISTING TYPE "I" SIGN.

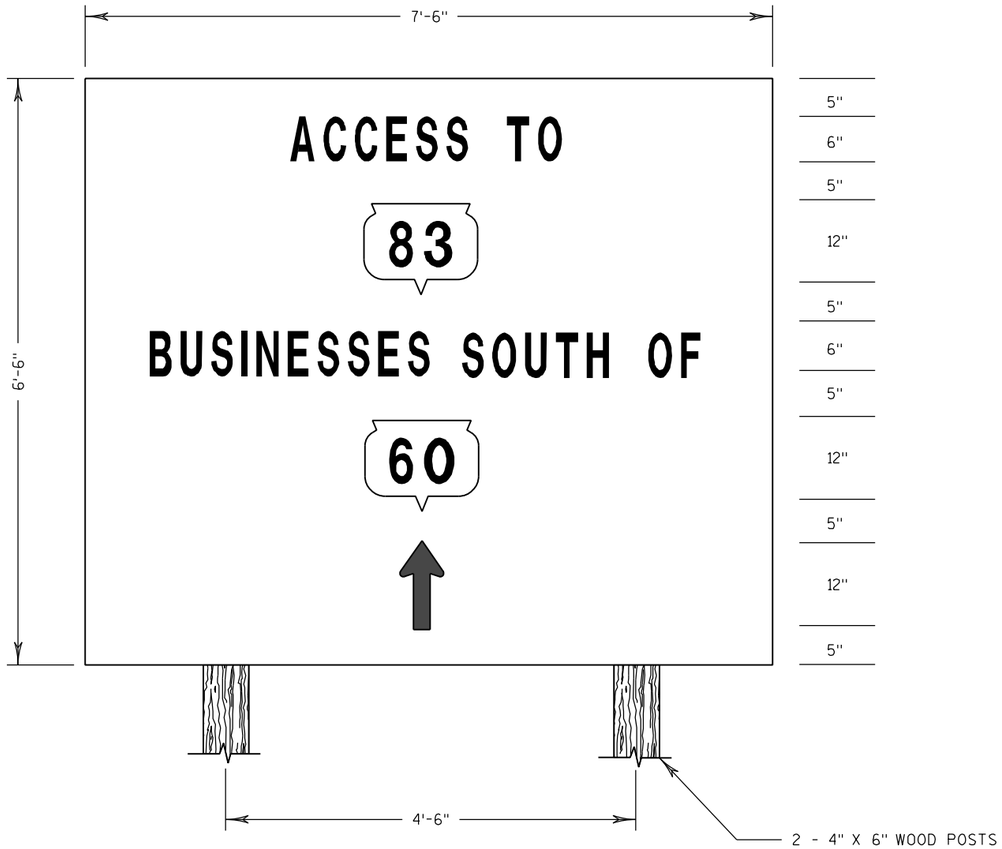
2. ALL FIXED MESSAGE SIGNS SHALL BE BLACK NON-REFLECTIVE MESSAGE ON ORANGE REFLECTIVE BACKGROUND.

3. SEE FIXED MESSAGE SIGNS AND SPECIAL MESSAGE SIGNS LAYOUT SHEETS FOR MORE INFORMATION.

4. COVER DETOUR SIGNING WHEN NOT IN USE. INCIDENTAL TO WORK ZONE TRAFFIC CONTROL SIGNING.

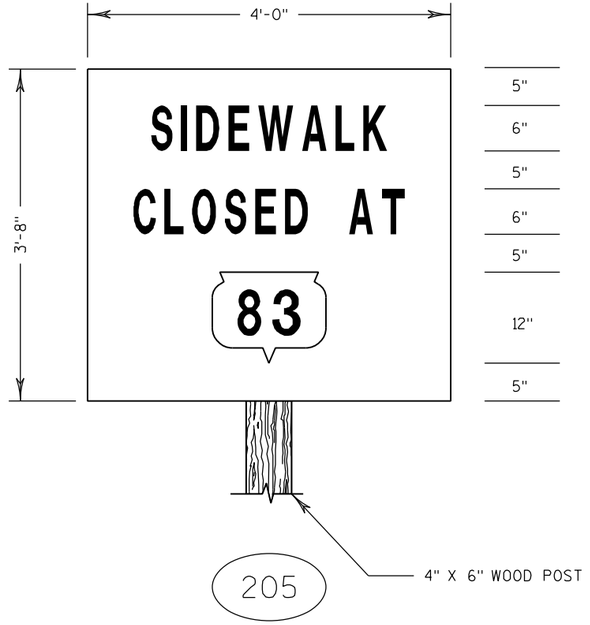
5. SIGNS TO BE PLACED 10 DAYS PRIOR TO CONSTRUCTION.

2



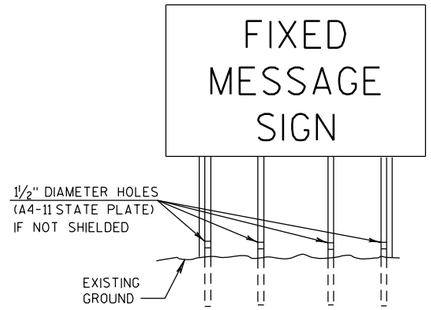
203

204



205

PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	TRAFFIC CONTROL DETAIL: FIXED MESSAGE SIGNS	SHEET 122	E



FRONT VIEW

NOTES

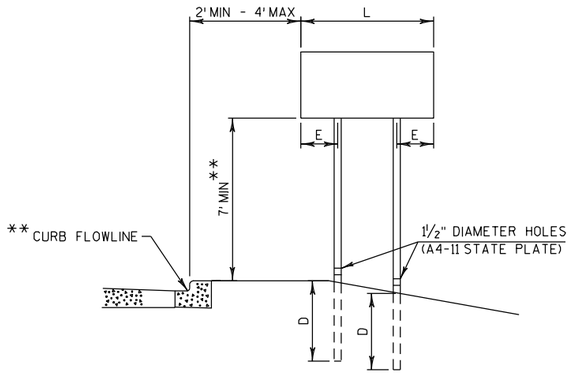
1. SEE DETOUR SHEETS FOR SIGN LOCATIONS.

2. SEE TABLES BELOW FOR REQUIRED NUMBER OF POSTS.

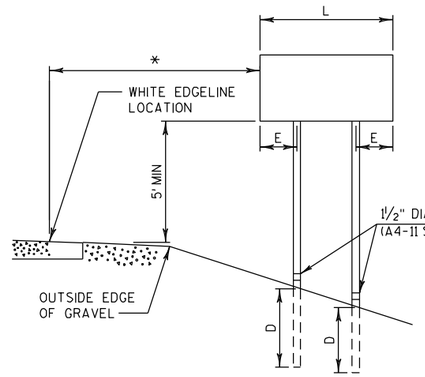
* 6' FROM EDGE OF A PAVED SHOULDER OR 12' FROM THE EDGE OF PAVEMENT (EDGE LINE LOCATION) OR 2' FROM OUTSIDE EDGE OF GRAVEL, WHICHEVER IS GREATER UNLESS DIRECTED BY PROJECT ENGINEER. SEE NOTE 2 FOR OFFSET REQUIREMENTS WHERE DIAGONAL SUPPORTS ARE USED.

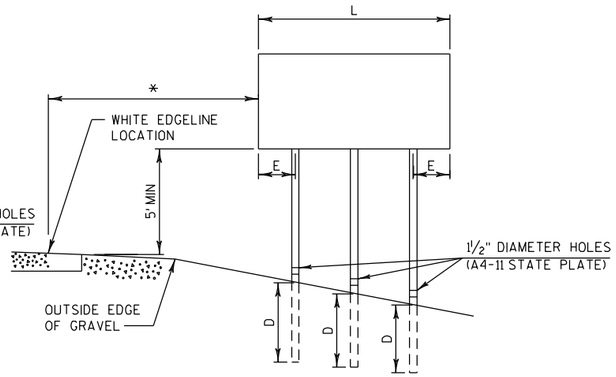
** THE EXISTENCE OF CURB AND GUTTER DOES NOT IN ITSELF MANDATE THE VERTICAL CLEARANCE ILLUSTRATED. THAT HEIGHT IS TYPICALLY MEASURED WHERE THERE IS SIDEWALK ADJACENT TO THE ROADWAY OR PARKING IS PERMITTED. IN THE ABSENCE OF SIDEWALK, VERTICAL CLEARANCE IS MEASURED FROM THE TOP OF THE CURB. IF NO SIDEWALK AND NO PARKING, VERTICAL CLEARANCE MAY BE REDUCED TO 5' MINIMUM. OFFSET OF SIGNS IS MEASURED FROM THE CURB FLOWLINE.

3. 4X6 WOOD POSTS SHALL HAVE TWO HOLES PER STATE PLATE A4-11



URBAN AREA





RURAL AREA

SIGN SHAPE OTHER THAN DIAMOND (TWO POSTS REQUIRED)	
L	E
GREATER THAN 48" LESS THAN 60"	12"
60" TO 120"	L/5

SIGN SHAPE OTHER THAN DIAMOND (THREE POSTS REQUIRED)	
L	E
GREATER THAN 120" LESS THAN 168"	12"

SIGN SHAPE OTHER THAN DIAMOND (FOUR POSTS REQUIRED)	
L	E
168" AND GREATER	12"

POST EMBEDMENT DEPTH

AREA OF SIGN INSTALLATION (SQ. FT.)	D (MIN)
20 OR LESS	4'
GREATER THAN 20	5'

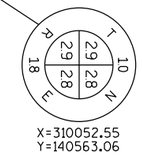
POST MOUNTING DETAIL FOR TRAFFIC CONTROL FIXED MESSAGE SIGNS

STH 83

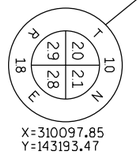
NOTE:

SEE "ALIGNMENT DETAIL - SIDE ROADS" FOR SIDE ROAD ALIGNMENTS AND STATION EQNS.

CONTROL POINT TABLE					
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION	LOCATION
1	141662.85	311425.89	1014.27	SET 3/4" IR W/ EMCS CAP	13.6'E OF E CURB, STH 83 & 14.4'S OF S EDGE OF S DRIVE TO BP GAS STATION
2	142692.87	311384.67	1013.02	SET 3/4" IR W/ EMCS CAP	14.5'S OF S EDGE OF S DRIVE TO MICKEYS CUSTARD. 0.80'E OF FACE OF SIDEWALK
3	143312.31	311516.21	997.51	SET 3/4" IR W/ EMCS CAP	19'E OF E EDGE OF W DRIVE TO EQUIPMENT RENTALS. 0.3'S OF BACK OF SIDEWALK.
4	144165.08	310947.88	1012.57	SET 3/4" IR W/ EMCS CAP	3.6'N OF NE CORNER OF DRIVEWAY & 0.1'W OF BACK OF SIDEWALK AT HOUSE NO. 341
5	145264.84	310309.37	1003.07	SET CHISELED X IN SIDEWALK	SIDEWALK IN FRONT OF FIRST CONG. CHURH, 7.5'S OF BACK OF WALK, CHURHC ST. & 2.2' W OF BACK OF SIDEWALK, STH 83



X=310052.55
Y=140563.06



X=310097.85
Y=143193.47

BEGIN PROJECT 1330-24-70
STA 251+85.00
X=311379.24
Y=141445.33

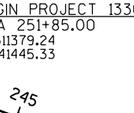
PI
X=311042.56
Y=140550.21

245
N21°15'24"E
250
PC
PT
255
PI
CP 1
N0°54'9"E
260
CP 2
265
N0°53'50"E
270
10
50
PT
PC
PI
CP 3
275
N31°54'56"W

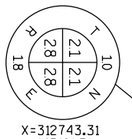
CURVE 1
PI STA.251+89.39
Y : 141446.10
X : 311391.07
DELTA = 20°21'16"
D = 8°00'00"
T = 128.57'
L = 254.43
R = 716.20
PC STA.250+60.82
Y : 141326.28
X : 311344.46
PT STA.253+15.25
Y : 141574.66
X : 311393.09
BA N 21°15'24" E
AH N 00°54'09" E

CURVE 2
PI STA.271+88.52
Y : 143447.70
X : 311422.46
DELTA = 32°48'47"
D = 17°21'44"
T = 97.16'
L = 188.99
R = 330.00
PC STA.270+91.36
Y : 143350.55
X : 311420.93
PT STA.272+80.35
Y : 143530.18
X : 311371.09
BA N 00°53'50" E
AH N 31°54'56" W

℄ E MONROE AVE (W OF STH 83)
℄ STH 83
℄ E MONROE AVE (E OF STH 83)
℄ GRAND AVE
CURVE 1
CURVE 2
℄ E LINCOLN AVE
55



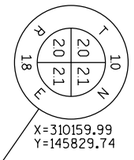
X=312687.16
Y=140528.87



X=312743.31
Y=143161.31

N

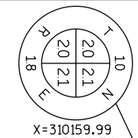
END PROJECT
STA 299+02.05
X=310161.47
Y=145807.38



X=310159.99
Y=145829.74

℄ S MAIN ST
10
285
CP 5
PI
X=310598.20
Y=144767.75
290
N32°16'9"W
10
℄ SOUTH ST
PI
X=310790.19
Y=144462.86
285
N32°11'55"W
10
℄ E LOOS ST
℄ STH 83
CP 4
280

CURVE 4
PI STA.295+76.81
Y : 145474.99
X : 310151.63
DELTA = 33°37'10"
D = 23°04'44"
T = 75.00'
L = 145.67
R = 248.26
PC STA.295+01.81
Y : 145411.58
X : 310191.67
PT STA.296+47.49
Y : 145549.97
X : 310153.40
BA N 32°16'09" W
AH N 01°21'01" E

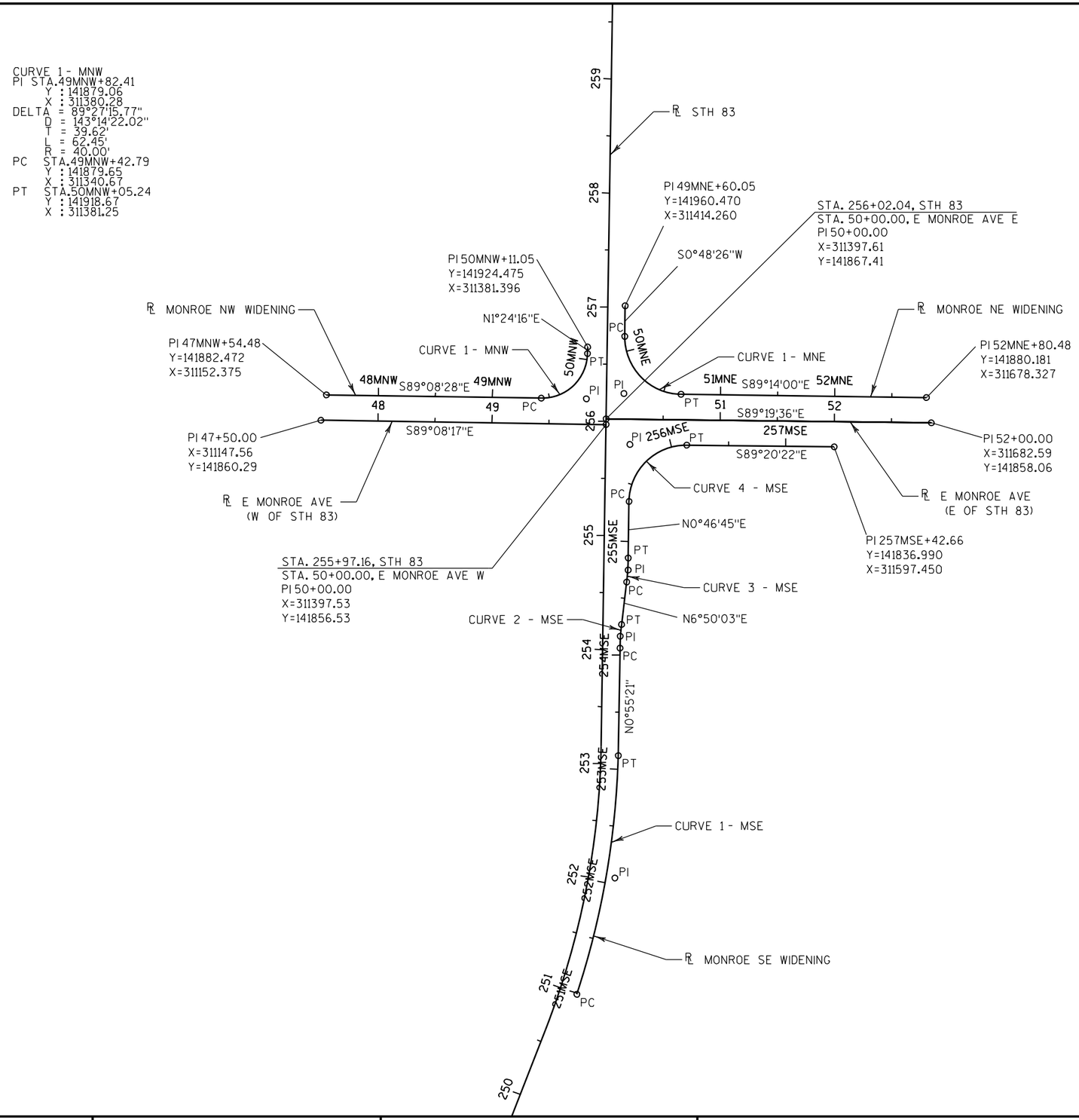


X=310159.99
Y=145829.74

CURVE 4
PI-PLAT
PI
PLAT ALIGNMENT
PT-PLAT
296
297
N1°21'1"E
298
2.0'
299
X=310159.99
Y=145829.74
PI-PLAT
PI
X=310161.99
Y=145829.69
CURVE 3
CONSTRUCTION ALIGNMENT
PT
PC
295
PC-PLAT
DIVERGENCE OF PLAT ALIGNMENT AND CONSTRUCTION ALIGNMENT STA 294+72.56
294
N32°16'9"W
CP 5

CURVE 3
PI STA.295+75.87
Y : 145471.94
X : 310153.56
DELTA = 33°37'10"
D = 17°21'44"
T = 99.69'
L = 193.63
R = 330.00
PC STA.294+72.56
Y : 145387.64
X : 310206.79
PT STA.296+46.54
Y : 145571.60
X : 310155.91
BA N 32°16'09" W
AH N 01°21'01" E

PROJECT NO:1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	ALIGNMENT DETAIL - STH 83	SHEET 124	E



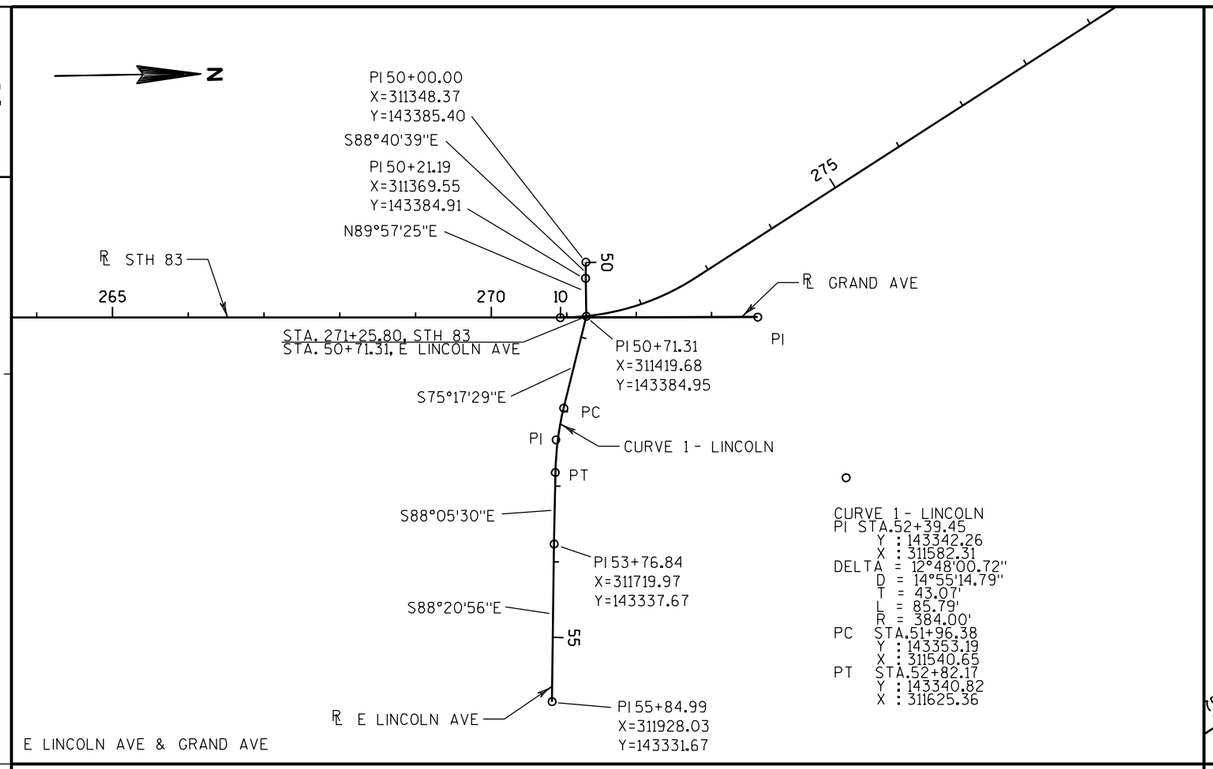
CURVE 1 - MSE
PI STA.252MSE+06.21
Y : 141459.30
X : 311405.33
DELTA = 16°35'29.75"
D = 7°47'29.20"
T = 107.22'
L = 212.95'
R = 735.37'
PC STA.250MSE+89.99
Y : 141357.402
X : 311371.943
PT STA.253MSE+11.94
Y : 141566.48
X : 311408.23

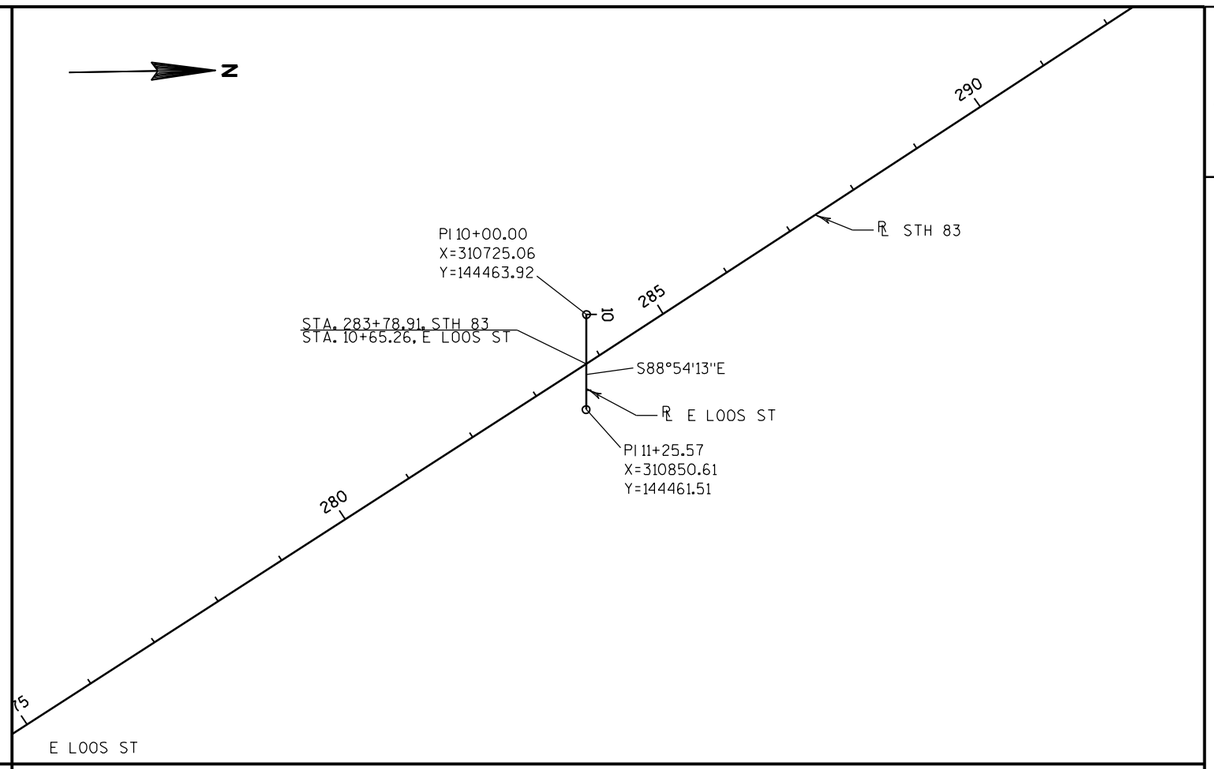
CURVE 2 - MSE
PI STA.254MSE+16.53
Y : 141671.06
X : 311409.91
DELTA = 5°54'42.92"
D = 28°38'52.40"
T = 10.33'
L = 20.64'
R = 200.00'
PC STA.254MSE+06.21
Y : 141660.74
X : 311409.75
PT STA.254MSE+26.84
Y : 141681.32
X : 311411.14

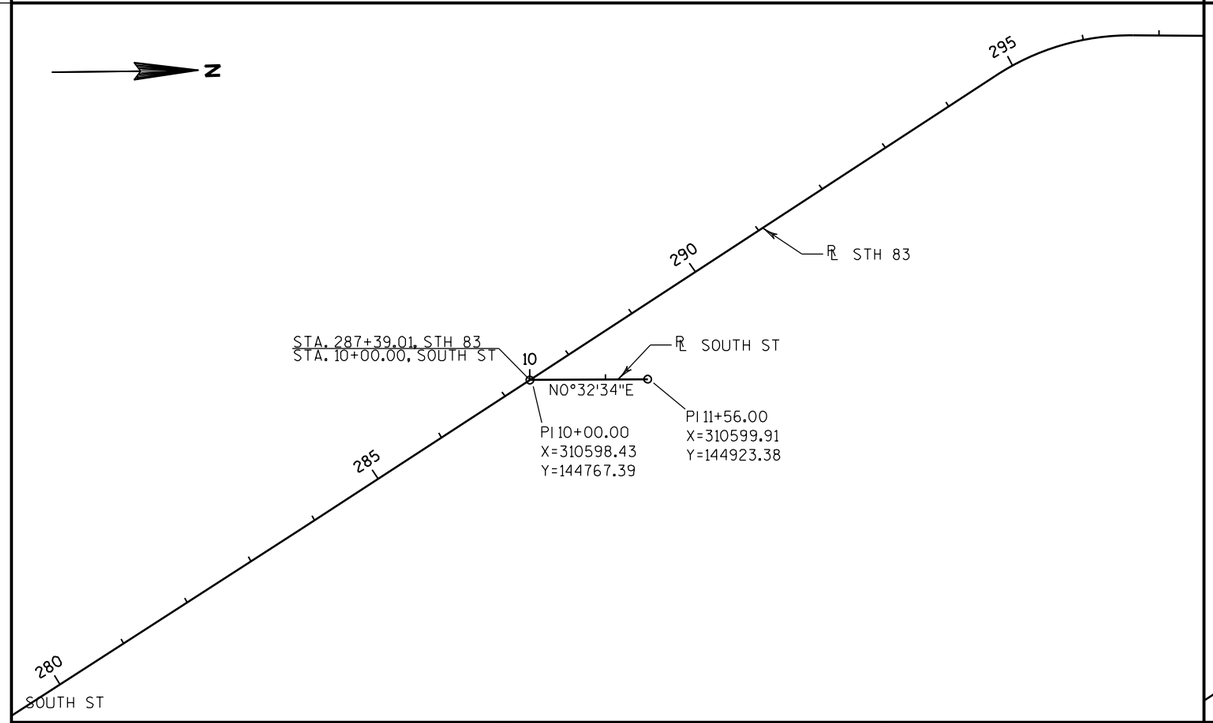
CURVE 3 - MSE
PI STA.254MSE+74.87
Y : 141729.01
X : 311416.86
DELTA = 6°03'18.65"
D = 28°38'52.40"
T = 10.58'
L = 21.14'
R = 200.00'
PC STA.254MSE+64.30
Y : 141718.51
X : 311415.60
PT STA.254MSE+85.43
Y : 141739.59
X : 311417.00

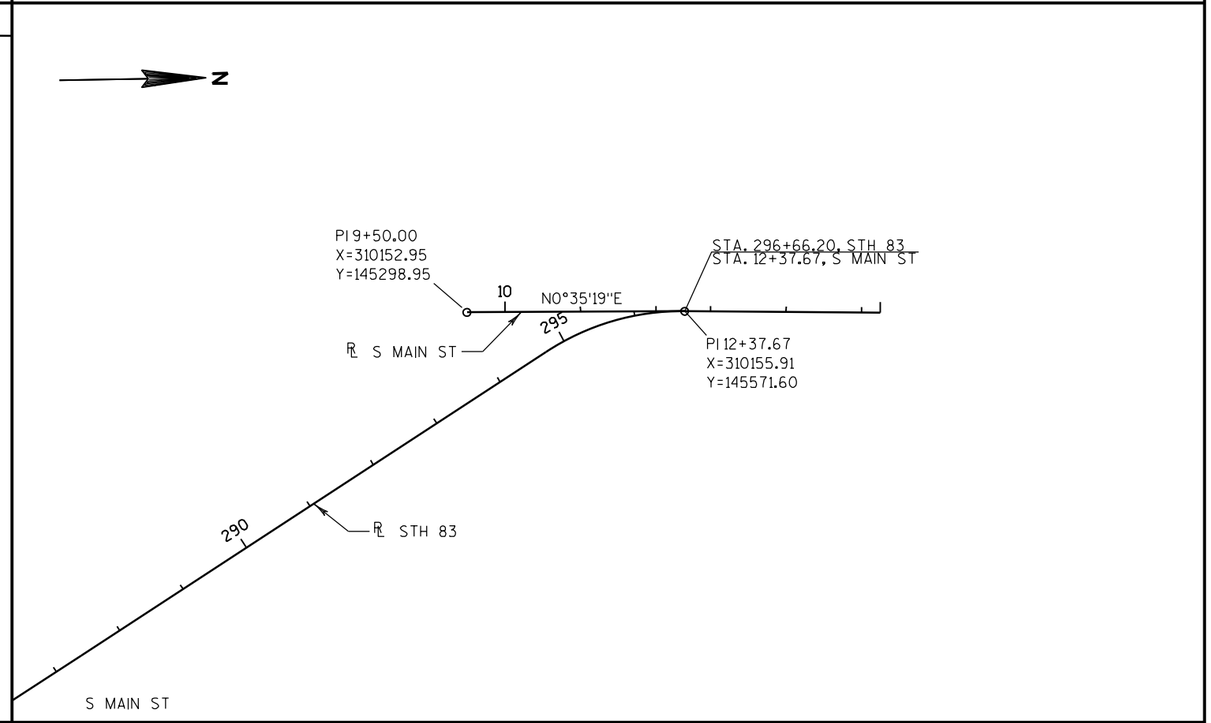
CURVE 4 - MSE
PI STA.255MSE+84.91
Y : 141839.05
X : 311418.35
DELTA = 89°52'53.03"
D = 114°35'29.61"
T = 49.90'
L = 78.44'
R = 50.00'
PC STA.255MSE+35.01
Y : 141789.16
X : 311417.68
PT STA.255MSE+93.81
Y : 141838.48
X : 311468.25

PROJECT NO:1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	ALIGNMENT DETAIL - E MONROE AVE/TEMPORARY WIDENING	SHEET 125	E









PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	ALIGNMENT DETAIL - SIDE ROADS	SHEET 126	E

2

SUPER ELEVATION R/L STH 83 - CURVE 1				
	SLOPE			
STATION	LT	RT	LT TYPE	RT TYPE
249+49.79	-2.00%	-2.00%	NC	END NC
249+91.22	-2.00%	0.00%	NC	ZERO SUPER
250+32.65	-2.00%	2.00%	END NC	REVERSE CROWN
251+07.22	-5.60%	5.60%	FULL SUPER	FULL SUPER
252+68.85	-5.60%	5.60%	FULL SUPER	FULL SUPER
253+43.42	-2.00%	2.00%	BEGIN NC	REVERSE CROWN
253+84.85	-2.00%	0.00%	NC	ZERO SUPER
254+26.28	-2.00%	-2.00%	NC	BEGIN NC

UNIDIRECTIONAL CROSS SLOPE PAVEMENT				
	SLOPE			
STATION	LT	RT	LT TYPE	RT TYPE
272+50.00	-2.00%	-2.00%	NC	END NC
272+92.40	-2.00%	0.00%	NC	ZERO SUPER
273+34.80	-2.00%	2.00%	END NC	REVERSE CROWN
273+56.00	-3.00%	3.00%	FULL SUPER	FULL SUPER
276+00.00	-3.00%	3.00%	FULL SUPER	FULL SUPER
276+21.20	-2.00%	2.00%	BEGIN NC	REVERSE CROWN
276+63.60	-2.00%	0.00%	NC	ZERO SUPER
277+06.00	-2.00%	-2.00%	NC	BEGIN NC

CROSS SLOPE PAVEMENT VARIATION TO MATCH EXISTING				
	SLOPE			
STATION	LT	RT	LT TYPE	RT TYPE
280+93.00	-2.00%	-2.00%	NC	END NC
281+10.0	-2.00%	-3.00%	NC	BEGIN INCREASED CROSS SLOPE
292+83.00	-2.00%	-3.00%	END NC	INCREASED CROSS SLOPE
293+00.00	-3.00%	-3.00%	BEGIN INCREASED CROSS SLOPE	INCREASED CROSS SLOPE
293+33.00	-3.00%	-3.00%	INCREASED CROSS SLOPE	END INCREASED CROSS SLOPE
293+50.00	-3.00%	-2.00%	INCREASED CROSS SLOPE	BEGIN NC
294+80.00	-3.00%	-2.00%	END INCREASED CROSS SLOPE	NC
294+97.00	-2.00%	-2.00%	BEGIN NC	NC

CROSS SLOPE PAVEMENT VARIATION TO MATCH EXISTING						
		SLOPE				
STATION	LT PARK	LT	RT	RT PARK	LT TYPE	RT TYPE
295+70.32	-2.00%	-2.00%	-2.00%	-2.00%	END NC	NC
295+91.52	-3.00%	-3.00%	-2.00%	-2.00%	BEGIN INCREASED CROSS SLOPE	NC
296+30.00	-4.00%	-3.00%	-2.00%	-2.00%	INCREASED CROSS SLOPE	END NC
296+83.00	-4.00%	-3.00%	0.00%	-2.00%	INCREASED CROSS SLOPE	ZERO SUPER
297+36.00	-4.00%	-3.00%	2.00%	-2.00%	INCREASED CROSS SLOPE	REVERSE CROWN
298+00.00	-4.00%	-3.00%	2.00%	-2.00%	INCREASED CROSS SLOPE	REVERSE CROWN
298+44.65	-4.00%	-3.00%	0.00%	-2.00%	INCREASED CROSS SLOPE	ZERO SUPER
298+89.29	-4.00%	-3.00%	-2.00%	-2.00%	INCREASED CROSS SLOPE	BEGIN NC

DATE 29SEP15 E S T I M A T E O F Q U A N T I T I E S

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	1330-24-70 QUANTITY	1330-24-71 QUANTITY
0010	201.0120	Clearing	ID	134.000	134.000	
0020	201.0220	Grubbing	ID	134.000	134.000	
0030	204.0100	Removing Pavement	SY	13,200.000	13,200.000	
0040	204.0110	Removing Asphaltic Surface	SY	1,600.000	1,600.000	
0050	204.0150	Removing Curb & Gutter	LF	5,915.000	5,915.000	
0060	204.0155	Removing Concrete Sidewalk	SY	6,250.000	6,250.000	
0070	204.0195	Removing Concrete Bases	EACH	21.000	21.000	
0080	204.0210	Removing Manholes	EACH	30.000	30.000	
0090	204.0220	Removing Inlets	EACH	48.000	48.000	
0100	204.0245	Removing Storm Sewer (size) 01. 6-INCH	LF	59.000	59.000	
0110	204.0245	Removing Storm Sewer (size) 02. 8-INCH	LF	84.000	84.000	
0120	204.0245	Removing Storm Sewer (size) 03. 10-INCH	LF	463.000	463.000	
0130	204.0245	Removing Storm Sewer (size) 04. 12-INCH	LF	2,159.000	2,159.000	
0140	204.0245	Removing Storm Sewer (size) 05. 15-INCH	LF	165.000	165.000	
0150	204.0245	Removing Storm Sewer (size) 06. 18-INCH	LF	615.000	615.000	
0160	204.0245	Removing Storm Sewer (size) 07. 24-INCH	LF	494.000	494.000	
0170	204.0245	Removing Storm Sewer (size) 08. 30-INCH	LF	388.000	388.000	
0180	204.0245	Removing Storm Sewer (size) 09. 36-INCH	LF	253.000	253.000	
0190	204.0245	Removing Storm Sewer (size) 10. 42-INCH	LF	151.000	151.000	
0200	205.0100	Excavation Common	CY	22,461.000	22,461.000	
0210	205.0501.S	Excavation, Hauling, and Disposal of Petroleum Contaminated Soil	TON	383.000	383.000	
0220	213.0100	Finishing Roadway (project) 01. 1330-24-70	EACH	1.000	1.000	
0230	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	12,765.000	12,765.000	
0240	311.0110	Breaker Run	TON	19,890.000	19,890.000	
0250	405.0100	Coloring Concrete Red	CY	86.000	86.000	
0260	415.0070	Concrete Pavement 7-Inch	SY	22,150.000	22,150.000	
0270	415.0210	Concrete Pavement Gaps	EACH	9.000	9.000	
0280	416.0170	Concrete Driveway 7-Inch	SY	900.000	900.000	
0290	416.0610	Drilled Tie Bars	EACH	65.000	65.000	
0300	416.0620	Drilled Dowel Bars	EACH	75.000	75.000	
0310	440.4410.S	Incentive IRI Ride	DOL	1,787.000	1,787.000	
0320	455.0105	Asphaltic Material PG58-28	TON	29.000	29.000	
0330	455.0605	Tack Coat	GAL	105.000	105.000	
0340	460.1100	HMA Pavement Type E-0.3	TON	485.000	485.000	
0350	460.2000	Incentive Density HMA Pavement	DOL	330.000	330.000	
0360	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	430.000	430.000	
0370	465.0125	Asphaltic Surface Temporary	TON	605.000	605.000	
0380	513.2050.S	Railing Pipe	LF	20.000	20.000	
0390	520.8000	Concrete Collars for Pipe	EACH	10.000	10.000	
0400	601.0409	Concrete Curb & Gutter 30-Inch Type A	LF	5,133.000	5,133.000	
0410	601.0411	Concrete Curb & Gutter 30-Inch Type D	LF	390.000	390.000	
0420	601.0452	Concrete Curb & Gutter Integral 30-Inch Type D	LF	5,648.000	5,648.000	
0430	601.0600	Concrete Curb Pedestrian	LF	100.000	100.000	
0440	602.0410	Concrete Sidewalk 5-Inch	SF	52,740.000	52,740.000	
0450	602.0420	Concrete Sidewalk 7-Inch	SF	5,500.000	5,500.000	
0460	602.0505	Curb Ramp Detectable Warning Field Yellow	SF	436.000	436.000	
0470	602.1500	Concrete Steps	SF	115.000	115.000	
0480	608.0312	Storm Sewer Pipe Reinforced Concrete Class III 12-Inch	LF	289.000	289.000	

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DATE 29SEP15 E S T I M A T E O F Q U A N T I T I E S

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	1330-24-70 QUANTITY	1330-24-71 QUANTITY
0490	608.0315	Storm Sewer Pipe Reinforced Concrete Class III 15-Inch	LF	1,759.000	1,759.000	
0500	608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	LF	456.000	456.000	
0510	608.0321	Storm Sewer Pipe Reinforced Concrete Class III 21-Inch	LF	231.000	231.000	
0520	608.0324	Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	LF	2,431.000	2,431.000	
0530	608.0330	Storm Sewer Pipe Reinforced Concrete Class III 30-Inch	LF	504.000	504.000	
0540	608.0336	Storm Sewer Pipe Reinforced Concrete Class III 36-Inch	LF	767.000	767.000	
0550	611.0530	Manhole Covers Type J	EACH	44.000	44.000	
0560	611.0606	Inlet Covers Type B	EACH	7.000	7.000	
0570	611.0624	Inlet Covers Type H	EACH	11.000	11.000	
0580	611.0642	Inlet Covers Type MS	EACH	5.000	5.000	
0590	611.0651	Inlet Covers Type S	EACH	3.000	3.000	
0600	611.0660	Inlet Covers Type WM	EACH	70.000	70.000	
0610	611.0666	Inlet Covers Type Z	EACH	3.000	3.000	
0620	611.2004	Manholes 4-FT Diameter	EACH	36.000	36.000	
0630	611.2006	Manholes 6-FT Diameter	EACH	19.000	19.000	
0640	611.3003	Inlets 3-FT Diameter	EACH	3.000	3.000	
0650	611.3004	Inlets 4-FT Diameter	EACH	23.000	23.000	
0660	611.3225	Inlets 2x2.5-FT	EACH	52.000	52.000	
0670	611.3901	Inlets Median 1 Grate	EACH	5.000	5.000	
0680	611.8110	Adjusting Manhole Covers	EACH	1.000	1.000	
0690	611.8115	Adjusting Inlet Covers	EACH	2.000	2.000	
0700	611.8120.S	Cover Plates Temporary	EACH	9.000	9.000	
0710	612.0106	Pipe Underdrain 6-Inch	LF	1,503.000	1,503.000	
0720	612.0206	Pipe Underdrain Unperforated 6-Inch	LF	451.000	451.000	
0730	612.0902.S	Insulation Board Polystyrene (inch) 01. 2-Inch	SY	71.000		71.000
0740	616.0700.S	Fence Safety	LF	35.000	35.000	
0750	619.1000	Mobilization	EACH	1.000	1.000	
0760	620.0100	Concrete Corrugated Median	SF	1,760.000	1,760.000	
0770	623.0200	Dust Control Surface Treatment	SY	29,410.000	29,410.000	
0780	624.0100	Water	MGAL	152.000	152.000	
0790	625.0100	Topsoil	SY	8,350.000	8,350.000	
0800	627.0200	Mulching	SY	600.000	600.000	
0810	628.1104	Erosion Bales	EACH	30.000	30.000	
0820	628.1504	Silt Fence	LF	750.000	750.000	
0830	628.1520	Silt Fence Maintenance	LF	750.000	750.000	
0840	628.1905	Mobilizations Erosion Control	EACH	6.000	6.000	
0850	628.1910	Mobilizations Emergency Erosion Control	EACH	8.000	8.000	
0860	628.2006	Erosion Mat Urban Class I Type A	SY	1,500.000	1,500.000	
0870	628.7005	Inlet Protection Type A	EACH	160.000	160.000	
0880	628.7010	Inlet Protection Type B	EACH	22.000	22.000	
0890	628.7015	Inlet Protection Type C	EACH	162.000	162.000	
0900	628.7020	Inlet Protection Type D	EACH	17.000	17.000	
0910	628.7504	Temporary Ditch Checks	LF	95.000	95.000	
0920	628.7570	Rock Bags	EACH	20.000	20.000	
0930	629.0210	Fertilizer Type B	CWT	5.260	5.260	
0940	630.0140	Seeding Mixture No. 40	LB	30.000	30.000	
0950	630.0200	Seeding Temporary	LB	60.000	60.000	

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LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	1330-24-70 QUANTITY	1330-24-71 QUANTITY
0960	631.0300	Sod Water	MGAL	171.000	171.000	
0970	631.1000	Sod Lawn	SY	6,850.000	6,850.000	
0980	634.0616	Posts Wood 4x6-Inch X 16-FT	EACH	48.000	48.000	
0990	634.0618	Posts Wood 4x6-Inch X 18-FT	EACH	35.000	35.000	
1000	637.2210	Signs Type II Reflective H	SF	190.580	190.580	
1010	637.2215	Signs Type II Reflective H Folding	SF	20.720	20.720	
1020	637.2230	Signs Type II Reflective F	SF	150.000	150.000	
1030	638.2102	Moving Signs Type II	EACH	8.000	8.000	
1040	638.2602	Removing Signs Type II	EACH	64.000	64.000	
1050	638.3000	Removing Small Sign Supports	EACH	60.000	60.000	
1060	642.5201	Field Office Type C	EACH	1.000	1.000	
1070	643.0100	Traffic Control (project) 01. 1330-24-70	EACH	1.000	1.000	
1080	643.0300	Traffic Control Drums	DAY	21,187.000	21,187.000	
1090	643.0410	Traffic Control Barricades Type II	DAY	6,228.000	6,228.000	
1100	643.0420	Traffic Control Barricades Type III	DAY	3,581.000	3,581.000	
1110	643.0500	Traffic Control Flexible Tubular Marker Posts	EACH	133.000	133.000	
1120	643.0600	Traffic Control Flexible Tubular Marker Bases	EACH	133.000	133.000	
1130	643.0705	Traffic Control Warning Lights Type A	DAY	8,825.000	8,825.000	
1140	643.0715	Traffic Control Warning Lights Type C	DAY	906.000	906.000	
1150	643.0900	Traffic Control Signs	DAY	12,903.000	12,903.000	
1160	643.0920	Traffic Control Covering Signs Type II	EACH	8.000	8.000	
1170	643.1000	Traffic Control Signs Fixed Message	SF	144.830	144.830	
1180	643.1050	Traffic Control Signs PCMS	DAY	145.000	145.000	
1190	643.2000	Traffic Control Detour (project) 01. 1330-24-70	EACH	1.000	1.000	
1200	643.3000	Traffic Control Detour Signs	DAY	35,304.000	35,304.000	
1210	644.1410.S	Temporary Pedestrian Surface Asphalt	SF	1,600.000	1,600.000	
1220	644.1601.S	Temporary Curb Ramp	EACH	12.000	12.000	
1230	646.0106	Pavement Marking Epoxy 4-Inch	LF	2,120.000	2,120.000	
1240	646.0600	Removing Pavement Markings	LF	2,200.000	2,200.000	
1250	646.0841.S	Pavement Marking Grooved Wet Reflective Contrast Tape 4-Inch	LF	260.000	260.000	
1260	646.0843.S	Pavement Marking Grooved Wet Reflective Contrast Tape 8-Inch	LF	753.000	753.000	
1270	647.0456	Pavement Marking Curb Epoxy	LF	280.000	280.000	
1280	647.0726	Pavement Marking Diagonal Epoxy 12-Inch	LF	152.000	152.000	
1290	647.0856	Pavement Marking Concrete Corrugated Median Epoxy	SF	700.000	700.000	
1300	647.0955	Removing Pavement Markings Arrows	EACH	4.000	4.000	
1310	649.0400	Temporary Pavement Marking Removable Tape 4-Inch	LF	11,753.000	11,753.000	
1320	649.0801	Temporary Pavement Marking Removable Tape 8-Inch	LF	939.000	939.000	
1330	649.1200	Temporary Pavement Marking Stop Line Removable Tape 18-Inch	LF	275.000	275.000	
1340	649.1800	Temporary Pavement Marking Arrows Removable Tape	EACH	19.000	19.000	
1350	650.4000	Construction Staking Storm Sewer	EACH	138.000	138.000	
1360	650.4500	Construction Staking Subgrade	LF	5,910.000	5,910.000	
1370	650.5000	Construction Staking Base	LF	444.000	444.000	
1380	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	490.000	490.000	
1390	650.7000	Construction Staking Concrete Pavement	LF	5,466.000	5,466.000	

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LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	1330-24-70 QUANTITY	1330-24-71 QUANTITY
1400	650.8500	Construction Staking Electrical Installations (project) 01. 1330-24-70	LS	1.000	1.000	
1410	650.9910	Construction Staking Supplemental Control (project) 01. 1330-24-70	LS	1.000	1.000	
1420	650.9920	Construction Staking Slope Stakes	LF	5,910.000	5,910.000	
1430	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	1,954.000	1,954.000	
1440	652.0235	Conduit Rigid Nonmetallic Schedule 40 3-Inch	LF	1,028.000	1,028.000	
1450	652.0800	Conduit Loop Detector	LF	1,534.000	1,534.000	
1460	653.0135	Pull Boxes Steel 24x36-Inch	EACH	6.000	6.000	
1470	653.0140	Pull Boxes Steel 24x42-Inch	EACH	13.000	13.000	
1480	653.0905	Removing Pull Boxes	EACH	15.000	15.000	
1490	654.0101	Concrete Bases Type 1	EACH	4.000	4.000	
1500	654.0102	Concrete Bases Type 2	EACH	4.000	4.000	
1510	654.0217	Concrete Control Cabinet Bases Type 9 Special	EACH	1.000	1.000	
1520	655.0230	Cable Traffic Signal 5-14 AWG	LF	145.000	145.000	
1530	655.0240	Cable Traffic Signal 7-14 AWG	LF	195.000	195.000	
1540	655.0260	Cable Traffic Signal 12-14 AWG	LF	881.000	881.000	
1550	655.0270	Cable Traffic Signal 15-14 AWG	LF	544.000	544.000	
1560	655.0320	Cable Type UF 2-10 AWG Grounded	LF	605.000	605.000	
1570	655.0515	Electrical Wire Traffic Signals 10 AWG	LF	940.000	940.000	
1580	655.0610	Electrical Wire Lighting 12 AWG	LF	1,644.000	1,644.000	
1590	655.0625	Electrical Wire Lighting 6 AWG	LF	6,299.000	6,299.000	
1600	655.0700	Loop Detector Lead In Cable	LF	3,465.000	3,465.000	
1610	655.0800	Loop Detector Wire	LF	4,850.000	4,850.000	
1620	656.0200	Electrical Service Meter Breaker Pedestal (location) 01. STH 83 & E MONROE AVE	LS	1.000	1.000	
1630	657.0100	Pedestal Bases	EACH	4.000	4.000	
1640	657.0255	Transformer Bases Breakaway 11 1/2-Inch Bolt Circle	EACH	4.000	4.000	
1650	657.0310	Poles Type 3	EACH	4.000	4.000	
1660	657.0425	Traffic Signal Standards Aluminum 15-FT	EACH	4.000	4.000	
1670	657.0595	Trombone Arms 25-FT	EACH	4.000	4.000	
1680	657.0614	Luminaire Arms Single Member 4-Inch Clamp 8-FT	EACH	4.000	4.000	
1690	658.0110	Traffic Signal Face 3-12 Inch Vertical	EACH	5.000	5.000	
1700	658.0120	Traffic Signal Face 5-12 Inch Vertical	EACH	3.000	3.000	
1710	658.0155	Traffic Signal Face 3-12 Inch Horizontal	EACH	2.000	2.000	
1720	658.0165	Traffic Signal Face 5-12 Inch Horizontal	EACH	2.000	2.000	
1730	658.0215	Backplates Signal Face 3 Section 12-Inch	EACH	6.000	6.000	
1740	658.0225	Backplates Signal Face 5 Section 12-Inch	EACH	6.000	6.000	
1750	658.0416	Pedestrian Signal Face 16-Inch	EACH	8.000	8.000	
1760	658.0500	Pedestrian Push Buttons	EACH	8.000	8.000	
1770	658.0600	Led Modules 12-Inch Red Ball	EACH	12.000	12.000	
1780	658.0605	Led Modules 12-Inch Yellow Ball	EACH	12.000	12.000	
1790	658.0610	Led Modules 12-Inch Green Ball	EACH	12.000	12.000	
1800	658.0620	Led Modules 12-Inch Yellow Arrow	EACH	6.000	6.000	
1810	658.0625	Led Modules 12-Inch Green Arrow	EACH	6.000	6.000	
1820	658.0635	Led Modules Pedestrian Countdown Timer 16-Inch	EACH	8.000	8.000	
1830	658.5069	Signal Mounting Hardware (location) 01. STH 83 & E MONROE AVE	LS	1.000	1.000	

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LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	1330-24-70 QUANTITY	1330-24-71 QUANTITY
1840	659.1125	Luminaires Utility LED C	EACH	4.000	4.000	
1850	690.0150	Sawing Asphalt	LF	5,325.000	5,325.000	
1860	690.0250	Sawing Concrete	LF	540.000	540.000	
1870	715.0415	Incentive Strength Concrete Pavement	DOL	1,292.000	1,292.000	
1880	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	1,800.000	1,800.000	
1890	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	1,500.000	1,500.000	
1900	SPV.0035	Special 01. BACKFILL SLURRY	CY	640.000	640.000	
1910	SPV.0060	Special 01. DECORATIVE LIGHT BASE	EACH	12.000	12.000	
1920	SPV.0060	Special 02. REINSTALL DECORATIVE STREET LIGHTING	EACH	12.000	12.000	
1930	SPV.0060	Special 03. ADJUSTING WATER VALVE BOXES	EACH	27.000		27.000
1940	SPV.0060	Special 04. ADJUSTING WATER MANHOLES	EACH	13.000		13.000
1950	SPV.0060	Special 05. GATE VALVE AND VALVE BOX 10-INCH	EACH	9.000		9.000
1960	SPV.0060	Special 06. GATE VALVE AND VALVE BOX 8-INCH	EACH	6.000		6.000
1970	SPV.0060	Special 07. REMOVE, SALVAGE, AND RELOCATE HYDRANT	EACH	2.000		2.000
1980	SPV.0060	Special 08. HYDRANT ASSEMBLY	EACH	2.000		2.000
1990	SPV.0060	Special 09. WATER SERVICE CORPORATION	EACH	7.000		7.000
2000	SPV.0060	Special 10. CURB STOP VALVE & BOX	EACH	8.000		8.000
2010	SPV.0060	Special 11. SANITARY SEWER MANHOLE 48-INCH	EACH	1.000		1.000
2020	SPV.0060	Special 12. WATER SERVICE 2-INCH	EACH	1.000		1.000
2030	SPV.0060	Special 13. WATER SERVICE 1 1/4-INCH	EACH	1.000		1.000
2040	SPV.0060	Special 14. WATER SERVICE 1-INCH	EACH	1.000		1.000
2050	SPV.0060	Special 15. WATER SERVICE 3/4-INCH	EACH	4.000		4.000
2060	SPV.0060	Special 16. ADJUSTING SANITARY MANHOLES	EACH	19.000		19.000
2070	SPV.0060	Special 17. PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC ARROWS TYPE 2	EACH	7.000	7.000	
2080	SPV.0060	Special 18. PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC WORDS	EACH	6.000	6.000	
2090	SPV.0060	Special 19. SANITARY PLUGS	EACH	2.000	2.000	
2100	SPV.0060	Special 20. DECORATIVE BENCH	EACH	2.000	2.000	
2110	SPV.0060	Special 21. LITTER RECEPTACLE	EACH	2.000	2.000	
2120	SPV.0075	Special 01. CONSTRUCTION STAKING SIDEWALK REST STRIPS AND TRANSITION RAMPS	HRS	8.000	8.000	
2130	SPV.0090	Special 01. WATER MAIN DUCTILE IRON 10-INCH	LF	1,890.000		1,890.000
2140	SPV.0090	Special 02. WATER MAIN DUCTILE IRON 8-INCH	LF	549.000		549.000
2150	SPV.0090	Special 03. SANITARY SEWER MAIN PVC 8-INCH	LF	456.000		456.000
2160	SPV.0090	Special 04. PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC CROSSWALK 6-INCH	LF	1,700.000	1,700.000	
2170	SPV.0090	Special 05. PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC STOPLINE 18-INCH	LF	331.000	331.000	
2180	SPV.0090	Special 06. REMOVING SANITARY PIPE	LF	20.000	20.000	
2190	SPV.0090	Special 07. PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC 4-INCH, YELLOW	LF	2,874.000	2,874.000	
2200	SPV.0105	Special 01. REMOVE TRAFFIC SIGNALS STH 83 & E MONROE AVE	LS	1.000	1.000	
2210	SPV.0105	Special 02. REMOVE LOOP DETECTION WIRE & LEAD-IN CABLE	LS	1.000	1.000	

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LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	1330-24-70 QUANTITY	1330-24-71 QUANTITY
2220	SPV.0105	Special 03. INSTALL STATE FURNISHED TRAFFIC SIGNAL CABINET (STH 83 & E MONROE AVE)	LS	1.000	1.000	
2230	SPV.0105	Special 04. CONCRETE PAVEMENT JOINT LAYOUT	LS	1.000	1.000	
2240	SPV.0105	Special 05. SANITARY SEWER ABANDONMENT	LS	1.000		1.000
2250	SPV.0105	Special 06. WATER MAIN ABANDONMENT	LS	1.000		1.000
2260	SPV.0180	Special 01. CONCRETE PAVEMENT HES 7-INCH	SY	925.000	925.000	
2270	SPV.0195	Special 01. MANAGEMENT OF SOLID WASTE	TON	613.000	613.000	

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CLEARING & GRUBBING

PROJECT I.D.	ROADWAY	LOCATION	201.0120 CLEARING ID	201.0220 GRUBBING ID
1330-24-70				
	STH 83	264+82, RT	10	10
	STH 83	265+00, RT	10	10
	STH 83	265+22, RT	8	8
	STH 83	259+30, LT	14	14
	STH 83	270+12, LT	4	4
	STH 83	288+68, LT	16	16
	STH 83	295+68, LT	10	10
	STH 83	296+33, RT	8	8
	STH 83	296+80, LT	8	8
	STH 83	297+25, RT	8	8
	STH 83	297+68, LT	6	6
	STH 83	298+14, RT	4	4
	STH 83	298+55, LT	8	8
	E MONROE AVE	48+70, LT	10	10
	E MONROE AVE	49+25, LT	10	10
TOTAL (1330-24-70)			134	134

ALL ITEMS CATEGORY 0010 UNLESS NOTED OTHERWISE

REMOVING PAVEMENT

PROJECT I.D.	STAGE	ROADWAY	STATION	-	STATION	204.0100 REMOVING PAVEMENT SY
1330-24-70						
	STAGE 1	STH 83	269+50	-	296+38	10,500
	STAGE 1B	STH 83	256+00	-	256+05	30
	STAGE 1C	STH 83	256+05	-	256+17	50
	STAGE 1D	STH 83	256+17	-	256+57	170
	STAGE 2	STH 83	256+57	-	262+42	2,450
TOTAL (1330-24-70)						13,200

ALL ITEMS CATEGORY 0010 UNLESS NOTED OTHERWISE

REMOVING ASPHALTIC SURFACE

PROJECT I.D.	STAGE	ROADWAY	204.0110 REMOVING ASPHALTIC SURFACE SY
1330-24-70	STAGE 1D	STH 83/MONROE AVE	1,600
TOTAL (1330-24-70)			1,600

ALL ITEMS CATEGORY 0010 UNLESS NOTED OTHERWISE

REMOVING CURB & GUTTER

PROJECT I.D.	STAGE	ROADWAY	STATION	-	STATION	LOCATION	204.0150 REMOVING CURB & GUTTER LF
1330-24-70							
	STAGE 1						
		STH 83	266+25	-	269+50	RT	325
		STH 83	266+25	-	269+50	LT	325
		LINCOLN AVE	50+00	-	50+22	LT	22
		LINCOLN AVE	50+00	-	50+26	RT	26
		LINCOLN AVE	51+16	-	52+92	LT	173
		LINCOLN AVE	51+28	-	52+92	RT	171
		GRAND AVE	10+65	-	12+11	RT	145
		GRAND AVE	12+00	-	12+11	LT	57
		LOOS ST	10+00	-	10+58	RT	59
		LOOS ST	10+00		10+27	LT	37
		LOOS ST	10+72		11+25	LT	54
		LOOS ST	11+03		11+25	RT	32
		SOUTH ST	10+21	-	11+06	RT	85
		SOUTH ST	10+85	-	11+06	LT	21
		CHURCH ST	---	-	---	LT	8
		CHURCH ST	---	-	---	RT	8
		MAIN ST	10+00	-	10+49	RT	49
		MAIN ST	10+00	-	10+49	LT	49
		STH 83	296+37	-	298+89	LT	255
		STH 83	296+37	-	299+02	RT	253
	STAGE 1 SUBTOTALS						2,154
	STAGE 1A						
		STH 83	250+58	-	255+75	RT	533
		MONROE AVE	47+54	-	47+80	LT	237
		MONROE AVE	50+18	-	52+81	LT	279
		MONROE AVE	50+49	-	52+81	RT	232
	STAGE 1A SUBTOTALS						1,281
	STAGE 1B						
		MONROE AVE	47+54	-	49+66	RT	214
		STH 83	251+85		255+63	LT	381
	STAGE 1B SUBTOTALS						595
	STAGE 2						
		STH 83	256+56	-	262+15	LT	570
		STH 83	256+57	-	262+15	RT	559
		STH 83	262+58	-	266+25	RT	378
		STH 83	262+58	-	266+25	LT	378
	STAGE 2 SUBTOTALS						1,885
TOTAL (1330-24-70)							5,915

ALL ITEMS CATEGORY 0010 UNLESS NOTED OTHERWISE

REMOVING CONCRETE SIDEWALK

PROJECT I.D.	STAGE	ROADWAY	STATION	-	STATION	LOCATION	204.0155 REMOVING CONCRETE SIDEWALK SY
1330-24-70							
	STAGE 1						
		STH 83	266+25	-	271+11	LT	290
		STH 83	266+25	-	270+68	RT	350
		STH 83	271+03	-	272+68	RT	200
		STH 83	271+49	-	275+94	LT	270
		STH 83	272+73	-	283+33	RT	610
		STH 83	276+26	-	283+78	LT	450
		STH 83	283+62	-	288+18	RT	280
		STH 83	284+21	-	294+90	LT	630
		STH 83	288+20	-	293+25	RT	320
		STH 83	293+43	-	293+71	RT	590
		MAIN ST	10+00	-	11+60	LT	120
		STH 83	296+23	-	298+71	LT	300
	STAGE 1 SUBTOTALS						4,410
	STAGE 1A SUBTOTALS						
		MONROE AVE	47+54	-	49+71	LT	140
		MONROE AVE	50+42	-	52+80	LT	150
		MONROE AVE	50+57	-	52+80	RT	160
	STAGE 1A SUBTOTALS						450
	STAGE 1B						
		STH 83	251+85	-	255+42	LT	320
	STAGE 2						
		STH 83	256+68	-	262+23	RT	320
		STH 83	256+68	-	262+25	LT	330
		STH 83	262+61		266+25	RT	210
		STH 83	262+63		266+25	LT	210
	STAGE 2 SUBTOTALS						1,070
TOTAL (1330-24-70)							6,250

ALL ITEMS CATEGORY 0010 UNLESS NOTED OTHERWISE

EXCAVATION, HAULING, AND DISPOSAL OF PETROLEUM CONTAMINATED SOIL

PROJECT I.D.	ROADWAY	STATION	205.0501.S TON
1330-24-70			
	STH 83	288+20 - 288+55, 0' - 50' RT	383
TOTAL (1330-24-70)			383

ALL ITEMS CATEGORY 0010 UNLESS NOTED OTHERWISE

FINISHING ROADWAY (1330-24-70)

PROJECT I.D.	ROADWAY	213.0100.01 EACH
1330-24-70	PROJECT	1
TOTAL (1330-24-70)		1

ALL ITEMS CATEGORY 0010 UNLESS NOTED OTHERWISE

REMOVING STORM SEWER

PROJECT I.D.	STAGE	ROADWAY	STA		STA	LOC	204.0210 REMOVING MANHOLES EACH	204.0220 REMOVING INLETS EACH	204.0245.01 REMOVING STORM SEWER (6-INCH) LF	204.0245.02 REMOVING STORM SEWER (8-INCH) LF	204.0245.03 REMOVING STORM SEWER (10-INCH) LF	204.0245.04 REMOVING STORM SEWER (12-INCH) LF	204.0245.05 REMOVING STORM SEWER (15-INCH) LF	204.0245.06 REMOVING STORM SEWER (18-INCH) LF	204.0245.07 REMOVING STORM SEWER (24-INCH) LF	204.0245.08 REMOVING STORM SEWER (30-INCH) LF	204.0245.09 REMOVING STORM SEWER (36-INCH) LF	204.0245.10 REMOVING STORM SEWER (42-INCH) LF
1330-24-70																		
	STAGE 1																	
		STH 83	270+42	-	270+43	LT	---	1	---	---	---	---	---	---	22	---	---	---
		STH 83	270+42	-	270+43	RT	---	1	---	---	---	---	---	---	14	---	---	---
		STH 83	270+42	-	270+75	RT	2	---	---	---	---	36	---	---	---	---	---	---
		STH 83	270+78	-	270+79	LT	---	---	---	---	---	---	---	---	---	---	31	---
		LINCOLN AVE	50+88	-	52+40	RT	1	---	---	---	---	---	---	---	---	---	158	---
		LINCOLN AVE	52+40	-	52+42	RT	---	1	---	---	---	8	---	---	---	---	---	---
		LINCOLN AVE	52+40	-	52+35	LT	---	1	---	---	---	29	---	---	---	---	---	---
		STH 83	270+78	-	272+31	RT	1	---	---	---	---	---	165	---	---	---	---	---
		STH 83	272+31	-	272+32	RT	---	1	---	---	---	14	---	---	---	---	---	---
		STH 83	272+31	-	272+54	LT	---	1	---	---	---	54	---	---	---	---	---	---
		STH 83	272+31	-	272+72	RT	---	---	---	---	---	---	---	---	---	---	---	---
		STH 83	283+28	-	283+88	RT	1	1	---	---	61	---	---	---	---	---	---	---
		STH 83	283+71	-	283+88	LT	---	1	---	---	31	---	---	---	---	---	---	---
		STH 83	283+71	-	284+01	LT	---	1	---	---	50	---	---	---	---	---	---	---
		STH 83	283+88	-	284+24	LT	---	1	---	---	62	---	---	---	---	---	---	---
		STH 83	283+88	-	286+73	RT	1	---	---	---	---	286	---	---	---	---	---	---
		STH 83	286+73	-	286+73	LT	---	1	---	---	---	23	---	---	---	---	---	---
		STH 83	286+73	-	286+74	RT	---	1	---	---	---	7	---	---	---	---	---	---
		STH 83	286+73	-	287+70	RT	1	---	---	---	---	96	---	---	---	---	---	---
		STH 83	287+70	-	288+24	RT	---	1	---	---	56	---	---	---	---	---	---	---
		STH 83	287+70	-	288+22	RT	---	---	---	---	64	---	---	---	---	---	---	---
		STH 83	288+22	-	288+27	RT	---	1	---	---	9	---	---	---	---	---	---	---
		STH 83	287+70	-	291+10	RT	1	---	---	---	---	340	---	---	---	---	---	---
		STH 83	291+10	-	293+60	RT	1	---	---	---	---	250	---	---	---	---	---	---
		STH 83	293+60	-	293+22	RT	---	1	---	---	40	---	---	---	---	---	---	---
		STH 83	293+60	-	293+58	RT	---	1	---	---	40	---	---	---	---	---	---	---
		STH 83	293+60	-	295+13	RT	1	---	---	---	---	153	---	---	---	---	---	---
		STH 83	295+13	-	294+81	LT	---	1	---	---	36	---	---	---	---	---	---	---
		STH 83	295+13	-	294+86	LT	---	1	43	---	---	---	---	---	---	---	---	---
		STH 83	295+13	-	295+23	RT	---	1	---	---	14	---	---	---	---	---	---	---
		STH 83	295+13	-	295+69	RT	1	---	---	---	---	46	---	---	---	---	---	---
		MAIN ST	10+20	-	10+63	LT	---	1		---	---	43	---	---	---	---	---	---
		MAIN ST	10+63	-	10+74	LT	1	---	---	---	---	12	---	---	---	---	---	---
		MAIN ST	10+74	-	11+35	LT	1	---	---	---	---	62	---	---	---	---	---	---
		MAIN ST	11+35	-	11+37	LT	---	1	---	---	---	9	---	---	---	---	---	---
		MAIN ST	11+35	-	11+66	LT	---	---	---	---	---	43	---	---	---	---	---	---
		STH 83	295+69	-	295+85	LT	1	---	---	---	---	18	---	---	---	---	---	---
		STH 83	295+85	-	297+76	RT	1	---	---	---	---	---	---	---	195	---	---	---
		STH 83	296+55	-	296+55	RT	1	---	16	---	---	27	---	---	---	---	---	---
		STH 83	297+47	-	297+46	LT	---	1	---	---	---	24	---	---	---	---	---	---
		STH 83	297+76	-	299+00	---	1	---	---	---	---	---	---	---	124	---	---	---
		STH 83	297+76	-	297+76	RT	---	1	---	---	---	22	---	---	---	---	---	---
		STH 83	298+38	-	298+38	LT	---	1	---	---	---	20	---	---	---	---	---	---
		STH 83	298+77	-	298+77	LT	---	1	---	---	---	16	---	---	---	---	---	---
		STH 83	298+99	-	298+77	RT	---	1	---	---	---	36	---	---	---	---	---	---
		STH 83	298+99	-	299+00	RT	---	---	---	---	---	25	---	---	---	---	---	---
	STAGE 1 SUBTOTALS						17	26	59	---	463	1,699	165	---	355	---	189	---

ALL ITEMS CATEGORY 0010 UNLESS NOTED OTHERWISE

PROJECT I.D.	STAGE	ROADWAY	STA	-	STA	LOC	204.0210 REMOVING MANHOLES EACH	204.0220 REMOVING INLETS EACH	204.0245.01 REMOVING STORM SEWER (6-INCH) LF	204.0245.02 REMOVING STORM SEWER (8-INCH) LF	204.0245.03 REMOVING STORM SEWER (10-INCH) LF	204.0245.04 REMOVING STORM SEWER (12-INCH) LF	204.0245.05 REMOVING STORM SEWER (15-INCH) LF	204.0245.06 REMOVING STORM SEWER (18-INCH) LF	204.0245.07 REMOVING STORM SEWER (24-INCH) LF	204.0245.08 REMOVING STORM SEWER (30-INCH) LF	204.0245.09 REMOVING STORM SEWER (36-INCH) LF	204.0245.10 REMOVING STORM SEWER (42-INCH) LF
1330-24-70																		
	STAGE 1A																	
		STH 83	253+70	-	253+70	RT	---	1	---	---	---	---	---	5	---	---	---	---
		STH 83	255+30	-	255+30	RT	---	1	---	---	---	---	---	5	---	---	---	---
		STH 83	251+89	-	251+90	LT	1	1	---	---	---	---	---	---	---	---	---	---
		STH 83	251+89	-	253+70	LT	1	---	---	---	---	---	---	---	---	---	---	---
		STH 83	253+70	-	253+70	LT	---	1	---	---	---	---	---	31	---	---	---	---
		STH 83	253+70	-	254+18	LT	---	1	---	---	---	52	---	---	---	---	---	---
		STH 83	253+70	-	255+31	LT	1	---	---	---	---	---	---	161	---	---	---	---
		STH 83	255+31	-	255+30	LT	---	1	---	---	---	---	---	4	---	---	---	---
		STH 83	255+30	-	255+30	RT	---	---	---	---	---	---	---	38	---	---	---	---
		STH 83	255+30	-	255+80	LT	1	---	---	---	---	---	---	52	---	---	---	---
		STH 83	255+80	-	255+85	---	1	---	---	---	---	---	---	---	---	102	---	---
		STH 83	256+20	-	255+84	RT	---	---	---	---	---	---	---	---	---	---	64	---
		MONROE AVE	48+26	-	48+26	RT	1	1	---	---	---	15	---	---	---	---	---	---
		MONROE AVE	48+26	-	49+17	RT	1	---	---	---	---	---	---	---	91	---	---	---
		MONROE AVE	49+17	-	49+22	RT	---	1	---	---	---	---	---	15	---	---	---	---
		MONROE AVE	49+17	-	49+60	RT	---	---	---	---	---	---	---	---	48	---	---	---
		MONROE AVE	49+60	-	49+39	---	---	---	---	---	---	---	---	42	---	---	---	---
		MONROE AVE	50+59	-	50+62	---	---	---	---	---	---	47	---	---	---	---	---	---
		MONROE AVE	50+63	-	52+13	RT	1	---	---	---	---	---	---	---	---	---	---	151
		MONROE AVE	52+13	-	52+12	RT	---	1	---	---	---	5	---	---	---	---	---	---
		MONROE AVE	52+13	-	52+12	---	---	---	---	---	---	22	---	---	---	---	---	---
	STAGE 1A SUBTOTALS						8	9	---	---	---	141	---	353	139	102	64	151
	STAGE 1D																	
		STH 83	256+20	-	256+79	RT	1	1	---	---	---	---	---	59	---	---	---	---
		STH 83	256+20	-	256+72	LT	---	1	---	---	---	---	---	59	---	---	---	---
		STH 83	256+20	-	256+57	RT	---	---	---	---	---	---	---	---	---	37	---	---
		MONROE AVE	49+41	-	49+41	LT	---	1	---	---	---	---	---	---	---	---	---	---
		MONROE AVE	50+59	-	50+59	LT	---	1	---	---	---	---	---	---	---	---	---	---
		MONROE AVE	50+61	-	50+62	RT	---	1	---	---	---	8	---	---	---	---	---	---
		MONROE AVE	52+11	-	52+12	LT	---	1	---	---	---	---	---	---	---	---	---	---
	STAGE 1D SUBTOTALS						1	6	---	---	---	8	---	118	---	37	---	---
	STAGE 2																	
		STH 83	256+57	-	257+83	RT	1	---	---	---	---	---	---	---	---	126	---	---
		STH 83	256+72	-	259+06	LT	---	1	---	---	---	238	---	---	---	---	---	---
		STH 83	257+83	-	257+83	RT	---	1	---	---	---	8	---	---	---	---	---	---
		STH 83	257+83	-	259+06	RT	1	---	---	---	---	---	---	---	---	123	---	---
		STH 83	259+06	-	259+06	RT	---	1	---	---	---	---	---	22	---	---	---	---
		STH 83	259+06	-	258+45	RT	1	1	---	84	---	---	---	---	---	---	---	---
		STH 83	259+06	-	259+06	LT	---	1	---	---	---	29	---	---	---	---	---	---
		STH 83	259+06	-	260+28	RT	1	---	---	---	---		---	122	---	---	---	---
		STH 83	260+28	-	260+25	LT	---	1	---	---	---	29	---	---	---	---	---	---
		STH 83	260+28	-	260+27	RT	---	1	---	---	---	7	---	---	---	---	---	---
	STAGE 2 SUBTOTALS						4	7	---	84	---	311	---	144	---	249	---	---
TOTAL (1330-24-70)							30	48	59	84	463	2,159	165	615	494	388	253	151

EARTHWORK SUMMARY

Division	From / To Station	Location	Common Excavation (1) (item # 205.0100) Cut (2)	EBS Excavation	Salvaged / Unusable Pavement Material (3)	Available Material (4)	Marsh Excavation (item #205.0500)	Rock Excavation (item #205.0200)	Reduced Marsh in Fill Factor 0.60	Reduced EBS in Fill Factor 0.80	Expanded Marsh Backfill Factor 1.50	Expanded EBS Backfill Factor 1.30	Expanded Rock Factor 1.10	Unexpanded Fill	Expanded Fill (5) Factor 1.25	Mass Ordinate + / (6)	Waste	Borrow (item #208.0100)	Comment:
1		TEMP WIDENING MSE STAGE 1A	363		3	360								7	9	351			
		TEMP WIDENING MNE STAGE 1A	243		13	230								0	0	230			
		TEMP WIDENING MNW STAGE 1A	162		9	153								0	0	153			
	251+85 - 257+00	STH 83 STAGE 1B	941		209	732								18	23	709			
	251+85 - 257+00	STH 83 STAGE 1C	727		132	595								0	0	595			
	251+85 - 257+00	STH 83 STAGE 1D	527		76	451								17	22	430			
		E. MONROE (WEST) STAGE 1B	523		72	451								6	7	444			
		E. MONROE (WEST) STAGE 1C	164		35	129								0	0	129			
		E. MONROE (WEST) STAGE 1D	212		27	185								19	24	161			
		E. MONROE (EAST) STAGE 1B	669		117	552								1	2	550			
		E. MONROE (EAST) STAGE 1C	193		44	149								0	0	149			
		E. MONROE (EAST) STAGE 1D	437		45	392								9	11	381			
Division 1 Subtotal			5,161		782	4,379								78	97	4,282			
2	266+50 - 299+02	STH 83	11,479		4,092	7,387								264	331	7,056			
		LINCOLN AVE (WEST)	125		22	103								2	2	101			
		LINCOLN AVE (EAST)	431		150	281								27	34	247			
		GRAND AVE	357		63	294								3	4	290			
		LOOS ST (WEST)	117		20	97								1	1	97			
		LOOS ST (EAST)	110		20	90								1	1	90			
		SOUTH ST	210		39	171								0	0	171			
		S MAIN ST	377		63	314								11	14	300			
Division 2 Subtotal			13,207	0	4,469	8,738	0	0	0	0	0	0	0	309	386	8,352	8,352		
3	257+00 - 266+50	STH 83	4,093	0	835	3,258	0	0	0	0	0	0	0	61	76	3,182			
Division 3 Subtotal			4,093	0	835	3,258	0	0	0	0	0	0	0	61	76	3,182	3,182		
Grand Total			22,461	0	6,086	16,375	0	0	0	0	0	0	0	447	559	15,816	11,534		
		Total Common Exc		22,461															

1) Common Excavation is the sum of the Cut and EBS Excavation columns. Item number 205.0100
2) Salvaged/Unusable Pavement Material is included in Cut
3) Salvaged/Unusable Pavement Material
4) Available Material = Cut - Salvaged/Unusable Pavement Material
5) Expanded Fill. Factor = 1.25. Expanded Fill = (Unexpanded Fill) * Fill Factor
6) The Mass Ordinate + or - Qty calculated for the Division. Plus quantity indicates an excess of material within the Division. Minus indicates a shortage of material within the Division.

3

BASE AGGREGATE ITEMS

PROJECT I.D.	STAGE	ROADWAY	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	311.0110 BREAKER RUN TON	623.0200 DUST CONTROL SURFACE TREATMENT SY	624.0100 WATER MGAL
1330-24-70						
	STAGE 1					
		STH 83	5,200	12,400	15,550	52
		LINCOLN AVE	370	---	700	4
		SIDEWALKS	1,100	---	---	11
		AGGREGATE DRIVEWAYS	25	---	70	1
		DRIVEWAYS/ASPH. SURFACE	460	---	1,400	5
	STAGE 1 SUBTOTALS		7,155	12,400	17,720	73
	STAGE 1A					
		STH 83/MONROE	820	---	---	9
	STAGE 1A SUBTOTALS		820	---	---	9
	STAGE 1B					
		STH 83	470	690	1,400	5
		MONROE AVE	600	930	740	6
		SIDEWALKS	85	---	---	1
		DRIVEWAYS/ASPH. SURFACE	160	---	480	2
	STAGE 1 B SUBTOTALS		1,315	1,620	2,620	14
	STAGE 1C					
		STH 83	330	660	1,000	4
		MONROE AVE	230	300	600	3
	STAGE 1C SUBTOTALS		560	960	1,600	7
	STAGE 1D					
		STH 83	210	380	620	3
		MONROE AVE	280	580	750	3
		SIDEWALKS	140	---	---	2
		DRIVEWAYS/ASPH. SURFACE	80	---	230	1
	STAGE 1D SUBTOTALS		710	960	1,600	9
	STAGE 2					
		STH 83	1,640	3,950	4,900	17
		SIDEWALKS	180	---	---	2
		DRIVEWAYS/ASPH. SURFACE	330	---	970	4
	STAGE 2 SUBTOTALS		2,150	3,950	5,870	23
	UNDISTRIBUTED		---	---	---	17
TOTAL (1330-24-70)			12,710	19,890	29,410	152

ALL ITEMS CATEGORY 0010 UNLESS NOTED OTHERWISE

3

CONCRETE PAVEMENT

PROJECT I.D.	STAGE	ROADWAY	STATION	-	STATION	405.0100* COLORING CONCRETE RED CY	415.0070 CONCRETE PAVEMENT 7-INCH SY	715.0415 INCENTIVE STRENGTH CONCRETE PAVEMENT DOL
1330-24-70								
	STAGE 1							
		STH 83	266+25	-	298+94	46	14,750	860
	STAGE 1B							
		STH 83	251+85	-	255+29	---	620	36
		STH 83/MONROE AVE	255+37	-	256+05	13	475	28
		MONROE AVE	48+80	-	49+55	---	325	19
		MONROE AVE	50+55	-	51+55	---	300	18
	STAGE 1B SUBTOTALS					13	1,720	100
	STAGE 1C							
		STH 83	251+85	-	255+82	5	845	49
		STH 83	256+05		256+17	---	120	7
		MONROE AVE	48+80		49+55	3	100	6
		MONROE AVE	50+55	-	51+55		135	8
	STAGE 1C SUBTOTALS					8	1,200	70
	STAGE 1D							
		STH 83	256+17	-	256+57	---	355	21
		MONROE AVE	48+80	-	49+55		55	3
		MONROE AVE	50+55	-	51+55	5	180	11
	STAGE 1D SUBTOTALS					5	590	34
	STAGE 2							
		STH 83	256+57	-	266+25	14	3,890	227
TOTAL (1330-24-70)						86	22,150	1,292

ALL ITEMS CATEGORY 0010 UNLESS NOTED OTHERWISE
* CATEGORY 0020

DRILLED DOWEL & TIE BARS

PROJECT I.D.	ROADWAY	LOCATION	416.0610 DRILLED TIE BARS EACH	416.0620 DRILLED DOWEL BARS EACH
1330-24-70				
	STH 83	299+02	--	34
	STH 83	TYPE H INLETS	22	--
	STH 83	UNDISTRIBUTED	43	41
TOTAL (1330-24-70)			65	75

ALL ITEMS CATEGORY 0010 UNLESS NOTED OTHERWISE

3

CONCRETE ITEMS

PROJECT I.D.	STAGE	ROADWAY	STATION	-	STATION	LOCATION	416.0170 CONCRETE DRIVEWAY 7-INCH SY	602.0410 CONCRETE SIDEWALK 5-INCH SF	602.0420 CONCRETE SIDEWALK 7-INCH SF	602.0505 CURB RAMP DETECTABLE WARNING FIELD YELLOW SF	602.1500 CONCRETE STEPS SF	620.0100 CONCRETE CORRUGATED MEDIAN SF
1330-24-70												
	STAGE 1											
		STH 83	266+25	-	271+11	LT	43	2,350	180	16	---	---
		STH 83	266+25	-	270+95	RT	39	2,200	170	16	---	---
		LINCOLN AVE	50+00	-	50+29	LT	---	150	---	---	---	---
		LINCOLN AVE	50+00	-	50+30	RT	---	160	---	---	---	---
		LINCOLN AVE	51+04	-	52+92	LT	7	850	85	---	---	---
		LINCOLN AVE	51+13	-	52+92	RT	69	580	330	---	---	---
		STH 83	271+32	-	272+68	RT	---	910	---	24	---	880
		STH 83	271+49	-	275+94	LT	8	2,300	105	32	---	---
		STH 83	272+75	-	283+40	RT	46	5,215	540	40	5	---
		STH 83	276+26	-	283+78	LT	31	3,770	380	16	25	---
		STH 83	283+80	-	288+18	RT	32	2,285	330	28	---	---
		STH 83	284+21	-	294+80	LT	37	5,950	480	40	55	---
		STH 83	288+20	-	293+25	RT	20	2,600	250	32	30	---
		STH 83	293+43	-	298+88	RT	120	4,300	---	24	---	---
		MAIN ST	10+00	-	10+43	RT	---	220	---	8	---	---
		MAIN ST	10+00	-	11+60	LT	---	880	---	16	---	---
		STH 83	295+15	-	295+54	LT	---	---	---	---	---	880
		STH 83	296+23	-	298+87	LT	30	2,300	---	16	---	---
	STAGE 1 SUBTOTALS						482	37,020	2,850	308	115	1,760
	STAGE 1A											
		E MONROE AVE	47+22	-	49+55	RT	18	---	---	---	---	---
	STAGE 1A SUBTOTALS						18	---	---	---	---	---
	STAGE 1B											
		STH 83	251+85	-	255+42	LT	61	2,300	650	8	---	---
	STAGE 1B SUBTOTALS						61	2,300	650	8	---	---
	STAGE 1D											
		STH 83	254+18	-	255+57	RT	21	660	180	8	---	---
		E MONROE AVE	47+54	-	49+71	LT	---	1,300	---	8	---	---
		E MONROE AVE	50+42	-	52+80	LT	30	1,050	230	8	---	---
		E MONROE AVE	50+57	-	52+80	RT	18	960	150	8	---	---
	STAGE 1D SUBTOTALS						69	3,970	560	32	---	---
	STAGE 2											
		STH 83	256+68	-	262+23	RT	53	2,550	340	24	---	---
		STH 83	256+68	-	262+25	LT	28	2,900	130	24	---	---
		STH 83	262+61		266+25	RT	105	1,450	450	16	---	---
		STH 83	262+63		266+25	LT	84	1,500	370	16	---	---
	STAGE 2 SUBTOTALS						270	8,400	1,290	80	---	---
TOTAL (1330-24-70)							900	51,690	5,350	428	115	1,760

ALL ITEMS CATEGORY 0010 UNLESS NOTED OTHERWISE

3

CONCRETE ITEMS

PROJECT I.D.	STAGE	ROADWAY	STATION	-	STATION	LOCATION	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	602.0410 CONCRETE SIDEWALK 5-INCH SF	602.0420 CONCRETE SIDEWALK 7-INCH SF	602.0505 CURB RAMP DETECTABLE WARNING FIELD YELLOW SF
1330-24-70	STAGE 1A	E MONROE AVE	47+22	-	49+55	RT	55	1,050	150	8
TOTAL (1330-24-70)							55	1,050	150	8

ALL ITEMS CATEGORY 0030 UNLESS NOTED OTHERWISE

3

CONCRETE GAP CONSTRUCTION

PROJECT I.D.	STAGE	ROADWAY	415.0210 CONCRETE PAVEMENT GAPS EACH	SPV.0180.01 CONCRETE PAVEMENT HES 7-INCH SY
1330-24-70				
	STAGE 1B	STH 83/E MONROE AVE	4	450
	STAGE 1C	STH 83/E MONROE AVE	3	120
	STAGE 1D	STH 83/E MONROE AVE	2	355
TOTAL (1330-24-70)			9	925

ALL ITEMS CATEGORY 0010 UNLESS NOTED OTHERWISE

INCENTIVE IRI RIDE

PROJECT I.D.	ROADWAY	LOCATION	440.4410.S DOL
1330-24-70			
	STH 83	STA. 251+85 - STA. 299+02.05	1,787
TOTAL (1330-24-70)			1,787

ALL ITEMS CATEGORY 0010 UNLESS NOTED OTHERWISE

ASPHALT ITEMS

PROJECT I.D.	STAGE	ROADWAY	455.0105 ASPHALTIC MATERIAL PG58-28 TON	455.0605 TACK COAT GAL	460.1100 HMA PAVEMENT TYPE E-0.3 TON	460.2000 INCENTIVE DENSITY HMA PAVEMENT DOL	465.0120 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES TON	465.0125 ASPHALTIC SURFACE TEMPORARY TON
1330-24-70								
	STAGE 1							
		STH 83	---	---	---	---	120	---
		LINCOLN AVE	9	35	150	100	10	---
STAGE 1 SUBTOTALS			9	35	150	100	130	---
	STAGE 1A							
		STH 83/MONROE	---	---	---	---	---	440
	STAGE 1B							
		STH 83	---	---	---	---	45	---
		MONROE AVE	11	40	190	130	30	---
STAGE 1B SUBTOTALS			11	40	190	130	75	---
	STAGE 1C							
		MONROE AVE	5	15	75	50	---	---
	STAGE 1D							
		STH 83	---	---	---	---	10	65
		MONROE AVE	4	15	70	50	15	---
STAGE 1D SUBTOTALS			4	15	70	50	25	65
	STAGE 2							
		STH 83	---	---	---	---	125	---
	UNDISTRIBUTED		---	---	---	---	75	100
TOTAL (1330-24-70)			29	105	485	330	430	605

ALL ITEMS CATEGORY 0010 UNLESS NOTED OTHERWISE

RAILING PIPE

PROJECT I.D.	STAGE	ROADWAY	513.2050.S RAILING PIPE LF
1330-24-70			
	STAGE 2	STH 83 - STA. 288+57, LT	5
		UNDISTRIBUTED	15
TOTAL (1330-24-70)			20

ALL ITEMS CATEGORY 0010 UNLESS NOTED OTHERWISE

CONCRETE COLLARS

PROJECT I.D.	STAGE	ROADWAY	520.8000 CONCRETE COLLARS FOR PIPE EACH
1330-24-70			
	STAGE 1A	STH 83	6
	UNDISTRIBUTED		4
TOTAL (1330-24-70)			10

ALL ITEMS CATEGORY 0010 UNLESS NOTED OTHERWISE

CURB AND GUTTER ITEMS

ALL ITEMS CATEGORY 0010 UNLESS NOTED OTHERWISE

PROJECT I.D.	STAGE	ROADWAY	STATION		STATION	LOC	601.0409 CONCRETE CURB & GUTTER 30-INCH TYPE A LF	601.0411 CONCRETE CURB & GUTTER 30-INCH TYPE D LF	601.0452 CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D LF	601.0600 CONCRETE CURB PEDESTRIAN LF
1330-24-70										
	STAGE 1									
		STH 83	266+25	-	270+96	RT	488	---	---	---
		STH 83	266+25	-	271+12	LT	495	---	---	---
		LINCOLN AVE	50+00	-	50+25	RT	---	26	---	---
		LINCOLN AVE	50+00	-	50+25	RT	11	---	---	---
		LINCOLN AVE	50+00	-	50+22	LT	---	22	---	---
		LINCOLN AVE	51+22	-	52+92	RT	---	175	---	---
		LINCOLN AVE	51+22	-	52+92	LT	---	167	---	---
		STH 83	271+25	-	272+73	RT	---	---	495	---
		STH 83	271+70	-	275+96	LT	---	---	433	---
		STH 83	272+86	-	283+33	RT	---	---	1,133	---
		STH 83	276+25	-	283+57	LT	---	---	744	---
		LOOS ST	10+00	-	10+65	RT	69	---	---	---
		STH 83	10+00	-	10+23	LT	42	---	---	---
		STH 83	283+58	-	287+42	RT	---	---	407	---
		STH 83	284+34	-	294+87	LT	---	---	1,072	---
		SOUTH ST	10+13	-	11+06	RT	93	---	---	---
		SOUTH ST	10+92	-	11+06	LT	14	---	---	---
		STH 83	288+24	-	293+22	RT	---	---	547	---
		STH 83	293+42	-	298+88	RT	---	---	555	60
		MAIN ST	10+00	-	10+51	RT	51	---	---	---
		MAIN ST	10+00	-	11+60	LT	171	---	---	---
		STH 83	296+22	-	296+30	LT	22	---	---	---
		STH 83	296+30	-	298+89	LT	---	---	262	---
	STAGE 1 SUBTOTALS						1,456	390	5,648	60
	STAGE 1B									
		STH 83/MONROE	251+85	-	47+54	---	580	---	---	---
		MONROE AVE	50+87	-	52+80	RT	193	---	---	---
	STAGE 1B SUBTOTALS						773	0	0	0
	STAGE 1C									
		MONROE AVE	50+40	-	50+87	RT	53	---	---	---
	STAGE 1D									
		STH 83	250+58	-	255+56	RT	507	---	---	---
		MONROE AVE	47+54	-	49+79	LT	238	---	---	---
		MONROE AVE	50+42	-	52+81	RT	246	---	---	---
	STAGE 1D SUBTOTALS						991	0	0	0
	STAGE 2									
		STH 83	256+56	-	262+26	LT	583	---	---	---
		STH 83	256+57	-	262+24	RT	580	---	---	---
		STH 83	262+60	-	266+25	RT	375	---	---	---
		STH 83	262+62	-	266+25	LT	375	---	---	---
	STAGE 2 SUBTOTALS						1,913	0	0	0
		UNDISTRIBUTED					---	---	---	40
TOTAL (1330-24-70)							5,133	390	5,648	100

STORM SEWER PIPE ITEMS

PROJECT I.D.	ROADWAY	PIPE NUMBER	STA	OFFSET FT		FROM STR	TO STR	INLET ELEV	DISCH ELEV	SLOPE	608.0312 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 12-INCH LF	608.0315 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 15-INCH LF	608.0318 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 18-INCH LF	608.0321 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 21-INCH LF	608.0324 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 24-INCH LF	608.0330 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 30-INCH LF	608.0336 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 36-INCH LF
1330-24-70	STH 83	101	251+86.11	17.0	RT	101	102	1014.23	1013.96	1.00%	--	30	--	--	--	--	--
	STH 83	102A	251+86.15	17.0	LT	102A	102	1015.98	1015.96	1.00%	5	--	--	--	--	--	--
	STH 83	102	251+89.34	13.2	LT	102	104	1013.69	1009.58	2.29%	--	--	183	--	--	--	--
	STH 83	103	253+75.51	26.0	RT	103	104	1010.23	1009.83	1.00%	--	43	--	--	--	--	--
	STH 83	104	253+75.51	17.0	LT	104	106	1009.58	1008.34	2.65%	--	--	51	--	--	--	--
	STH 83	105	254+18.06	44.7	LT	105	106	1008.85	1008.59	1.00%	--	29	--	--	--	--	--
	STH 83	106	254+26.30	17.0	LT	106	106A	1008.34	1006.89	2.60%	--	--	60	--	--	--	--
	STH 83	106A	254+86.11	17.0	LT	106A	108	1006.89	1006.25	4.00%	--	--	20	--	--	--	--
	STH 83	107	255+25.33	29.0	RT 1	107	108	1005.97	1005.50	1.00%	--	50	--	--	--	--	--
	STH 83	108	225+06.11	17.0	LT	108	115	1005.25	1003.14	3.00%	--	--	75	--	--	--	--
	E MONROE AVE	109	48+26.08	38.6	RT	109	111	1001.38	1001.30	1.00%	--	--	13	--	--	--	--
	E MONROE AVE	110	48+25.69	24.2	LT	110	111	1002.00	1001.55	1.00%	--	49	--	--	--	--	--
	E MONROE AVE	111	48+25.69	25.2	RT	111	113	1000.80	1000.52	30.00%	--	--	--	--	97	--	--
	E MONROE AVE	112	49+22.94	31.0	RT	112	113	1003.59	1003.50	1.00%	--	12	--	--	--	--	--
	E MONROE AVE	113	49+22.23	19.3	RT	113	115	1000.52	1000.36	0.30%	--	--	--	--	60	--	--
	STH 83	115	255+81.43	18.2	LT	115	130	999.86	999.77	0.40%	--	--	--	--	--	28	--
	STH 83	117	260+67.64	17.0	LT	117	119	1003.50	1003.31	1.00%	--	22	--	--	--	--	--
	STH 83	118A	260+75.00	33.6	RT	118A	118	1003.82	1003.65	1.00%	19	--	--	--	--	--	--
	STH 83	118	260+65.91	17.0	RT	118	119	1003.40	1003.31	1.00%	--	12	--	--	--	--	--
	STH 83	119	260+65.91	5.0	RT	119	123	1002.56	1001.10	0.66%	--	--	--	--	226	--	--
	STH 83	120A	259+08.05	17.0	LT	120A	120	1002.49	1002.38	0.60%	20	--	--	--	--	--	--
	STH 83	120	258+88.05	17.0	LT	120	120B	1002.38	1002.28	0.60%	20	--	--	--	--	--	--
	STH 83	120B	258+68.05	17.0	LT	120B	123	1002.03	1001.83	0.60%	--	39	--	--	--	--	--
	STH 83	121A	258+85.13	23.9	RT	121A	121	1002.34	1002.26	0.50%	20	--	--	--	--	--	--
	STH 83	121	258+65.13	25.3	RT	121	121B	1002.01	1001.90	0.50%	--	25	--	--	--	--	--
	STH 83	122	258+44.97	59.7	RT	122	121B	1002.20	1001.90	1.00%	--	33	--	--	--	--	--
	STH 83	121B	258+39.72	27.0	RT	121B	123	1001.40	1001.34	0.50%	--	--	--	17	--	--	--
	STH 83	123	258+39.73	9.5	RT	123	126	1000.58	1000.04	0.49%	--	--	--	--	--	115	--
	STH 83	124	257+25.00	17.0	LT	124	126	1002.78	1002.55	1.00%	--	26	--	--	--	--	--
	STH 83	125	257+25.00	29.0	RT	125	126	1002.54	1002.37	1.00%	--	20	--	--	--	--	--
	STH 83	126	257+25.00	9.4	RT	126	130	1000.04	999.49	0.40%	--	--	--	--	--	143	--
	STH 83	130	255+81.76	9.3	RT	130	133	998.99	998.65	0.40%	--	--	--	--	--	--	91
	E MONROE AVE	131	50+89.35	31.0	LT	131	133	1004.15	1003.67	1.00%	--	52	--	--	--	--	--
	E MONROE AVE	132B	51+65.70	27.0	RT	132B	132	1005.07	1004.90	1.00%	20	--	--	--	--	--	--
	E MONROE AVE	132	51+45.70	27.0	RT	132	132A	1004.40	1003.98	1.00%	--	--	46	--	--	--	--
	E MONROE AVE	132A	50+99.85	27.0	RT	132A	133	1003.98	1003.95	1.00%	--	--	7	--	--	--	--
	E MONROE AVE	133	50+99.79	19.6	RT	133	133A	998.65	998.09	0.52%	--	--	--	--	--	--	114
	E MONROE AVE	133B	52+12.40	23.8	RT	133B	133A	1005.98	1005.97	1.00%	--	5	--	--	--	--	--
	E MONROE AVE	133C	52+10.98	25.1	LT	133C	133A	1005.87	1005.47	1.00%	--	44	--	--	--	--	--
	STH 83	134	262+81.13	17.0	LT	134	136	1006.41	1006.22	1.00%	--	22	--	--	--	--	--

STORM SEWER PIPE GENERAL NOTES

1) STATIONS AND OFFSETS ARE TO THE CENTER OF STRUCTURES.

2) PIPE LENGTHS ARE FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE.

ALL ITEMS CATEGORY 0010 UNLESS NOTED OTHERWISE

STORM SEWER PIPE ITEMS (CONTINUED)

PROJECT I.D.	ROADWAY	PIPE NUMBER	STA	OFFSET FT		FROM STR	TO STR	INLET ELEV	DISCH ELEV	SLOPE	608.0312 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 12-INCH LF	608.0315 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 15-INCH LF	608.0318 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 18-INCH LF	608.0321 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 21-INCH LF	608.0324 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 24-INCH LF	608.0330 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 30-INCH LF	608.0336 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 36-INCH LF
1330-24-70	STH 83	135	262+79.12	17.0	RT	135	136	1006.38	1006.29	1.00%	--	12	--	--	--	--	--
	STH 83	136	262+79.12	5.0	RT	136	119	1005.47	1002.56	1.39%	--	--	--	213	--	--	--
	STH 83	150	267+55.82	17.0	LT	150	152	1001.08	1000.91	1.00%	--	20	--	--	--	--	--
	STH 83	151	267+55.82	17.0	RT	151	152	1001.08	1000.97	1.00%	--	14	--	--	--	--	--
	STH 83	152	267+55.82	3.4	RT	152	172	1000.16	990.71	3.00%	--	--	--	--	320	--	--
	STH 83	153A	270+78.72	27.8	LT	153A	153	989.09	989.04	1.00%	--	--	--	--	--	--	11
	STH 83	153	270+78.64	17.0	LT	153	172	988.83	988.73	0.70%	--	--	--	--	--	--	21
	STH 83	154	278+28.45	14.0	RT	154	156	1004.02	1002.53	1.00%	--	153	--	--	--	--	--
	STH 83	155	276+75.90	14.0	LT	155	157	1002.40	1002.22	1.00%	--	21	--	--	--	--	--
	STH 83	156	276+75.90	14.0	RT	156	157	1002.53	1002.49	1.00%	--	7	--	--	--	--	--
	STH 83	157	276+75.90	7.0	RT	157	159	1001.47	996.88	2.67%	--	--	--	--	176	--	--
	STH 83	158	275+00.00	14.0	LT	158	159	997.81	997.63	0.86%	--	21	--	--	--	--	--
	STH 83	159	275+00.00	7.0	RT	159	162	996.88	994.39	1.97%	--	--	--	--	130	--	--
	STH 83	160	273+69.72	14.0	LT	160	162	995.32	995.14	1.00%	--	21	--	--	--	--	--
	STH 83	162	273+69.72	7.0	RT	162	166	994.39	992.95	1.52%	--	--	--	--	100	--	--
	STH 83	163	272+71.48	14.0	LT	163	166	994.47	994.30	1.00%	--	21	--	--	--	--	--
	STH 83	164	272+79.48	45.7	RT	164	165	994.28	994.13	1.00%	19	--	--	--	--	--	--
	STH 83	165	272+70.62	29.8	RT	165	166	993.88	993.70	1.00%	--	23	--	--	--	--	--
	STH 83	166	272+69.97	7.2	RT	166	169	992.95	992.21	1.50%	--	--	--	--	54	--	--
	STH 83	167	272+68.22	68.6	RT	167	168	994.01	993.57	1.00%	--	48	--	--	--	--	--
	STH 83	168	272+31.89	46.8	RT	168	168A	993.57	993.48	1.00%	--	13	--	--	--	--	--
	STH 83	168A	272+21.48	41.8	RT	168A	169	993.48	993.42	1.00%	--	10	--	--	--	--	--
	STH 83	169	272+24.94	32.7	RT	169	171	992.21	991.24	1.50%	--	--	--	--	68	--	--
	STH 83	170A	271+82.70	21.1	LT	170A	170	994.12	994.00	1.00%	15	--	--	--	--	--	--
	STH 83	170	271+67.04	22.1	LT	170	171	993.75	993.45	1.00%	--	34	--	--	--	--	--
	STH 83	171	271+63.79	11.6	RT	171	172	991.24	989.73	1.78%	--	--	--	--	90	--	--
	STH 83	172	270+75.82	3.4	RT	172	173	988.73	988.68	0.70%	--	--	--	--	--	--	14
	STH 83	173	270+75.82	17.0	RT	173	177	988.68	987.61	0.70%	--	--	--	--	--	--	159
	LINCOLN AVE	175	52+35.09	17.0	LT	175	177	991.37	991.08	1.00%	--	35	--	--	--	--	--
	LINCOLN AVE	176	52+50.45	17.0	RT	176	177	991.27	991.24	1.00%	--	7	--	--	--	--	--
	LINCOLN AVE	177	52+55.08	11.7	RT	177	178	987.61	987.42	0.70%	--	--	--	--	--	--	34
	STH 83	200	283+31.78	14.0	RT	200	204	1005.56	1005.27	0.50%	--	62	--	--	--	--	--
	STH 83	201	284+21.00	40.4	LT	201	203	1005.62	1005.44	0.50%	--	40	--	--	--	--	--
	STH 83	202A	282+20.93	14.0	LT	202A	202	1006.23	1005.58	0.50%	--	134	--	--	--	--	--
	STH 83	202	283+54.80	14.0	LT	202	203	1005.58	1005.44	0.50%	--	31	--	--	--	--	--
	STH 83	203	283+82.53	29.0	LT	203	204	1005.44	1005.27	0.50%	--	38	--	--	--	--	--
	STH 83	204	283+93.51	7.0	RT	204	206	1004.52	1004.02	0.50%	--	--	--	--	95	--	--
	STH 83	205	284+88.60	14.0	LT	205	206	1004.86	1004.77	0.50%	--	21	--	--	--	--	--
	STH 83	206	284+88.60	7.0	RT	206	208	1004.02	1003.66	0.50%	--	--	--	--	75	--	--
	STH 83	207A	285+53.60	14.0	LT	207A	207	1004.79	1004.75	0.50%	10	--	--	--	--	--	--

ALL ITEMS CATEGORY 0010 UNLESS NOTED OTHERWISE

STORM SEWER PIPE GENERAL NOTES

1) STATIONS AND OFFSETS ARE TO THE CENTER OF STRUCTURES.
2) PIPE LENGTHS ARE FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE.

3

STORM SEWER PIPE ITEMS (CONTINUED)

PROJECT I.D.	ROADWAY	PIPE NUMBER	STA	OFFSET FT		FROM STR	TO STR	INLET ELEV	DISCH ELEV	SLOPE	608.0312 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 12-INCH LF	608.0315 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 15-INCH LF	608.0318 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 18-INCH LF	608.0321 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 21-INCH LF	608.0324 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 24-INCH LF	608.0330 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 30-INCH LF	608.0336 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 36-INCH LF
1330-24-70	STH 83	207	285+63.60	14.0	LT	207	208	1004.50	1004.41	0.50%	--	21	--	--	--	--	--
	STH 83	208	285+63.60	7.0	RT	208	213	1003.66	1003.14	0.50%	--	--	--	--	108	--	--
	STH 83	210C	286+28.60	14.0	LT	210C	210B	1004.42	1004.38	0.50%	10	--	--	--	--	--	--
	STH 83	210B	286+38.60	14.0	LT	210B	210	1004.13	1003.98	0.50%	--	33	--	--	--	--	--
	STH 83	210D	287+01.75	14.0	LT	210D	210A	1004.36	1004.32	0.50%	10	--	--	--	--	--	--
	STH 83	210A	286+91.75	14.0	LT	210A	210	1004.32	1004.23	0.50%	20	--	--	--	--	--	--
	STH 83	210	286+71.75	14.0	LT	210	213	1003.98	1003.89	0.50%	--	21	--	--	--	--	--
	STH 83	211	286+71.75	26.8	RT	211	212	1004.21	1004.16	0.50%	13	--	--	--	--	--	--
	STH 83	212A	286+51.75	14.0	RT	212A	212	1004.25	1004.16	0.50%	20	--	--	--	--	--	--
	STH 83	212B	286+91.75	14.0	RT	212B	212	1004.25	1004.16	0.50%	20	--	--	--	--	--	--
	STH 83	212	286+71.75	14.0	RT	212	213	1003.91	1003.89	0.50%	--	7	--	--	--	--	--
	STH 83	213	286+71.75	7.0	RT	213	215	1003.14	1002.84	0.50%	--	--	--	--	--	--	--
	STH 83	214	287+35.06	14.0	LT	214	215	1003.95	1003.77	1.00%	--	21	--	--	--	--	--
	STH 83	215	287+35.08	7.0	RT	215	219	1002.84	1002.63	0.50%	--	--	--	--	47	--	--
	STH 83	217A	287+92.06	14.0	LT	217A	217	1004.56	1004.48	1.00%	10	--	--	--	--	--	--
	STH 83	217	287+82.06	14.0	LT	217	219	1004.23	1004.05	1.00%	--	21	--	--	--	--	--
	STH 83	219	287+82.05	7.0	RT	219	227	1000.58	1000.13	0.75%	--	--	--	--	63	--	--
	STH 83	223A	288+55.45	14.0	LT	223A	223	1005.01	1004.94	1.00%	10	--	--	--	--	--	--
	STH 83	223	288+45.45	14.0	LT	223	227	1004.69	1004.51	1.00%	--	21	--	--	--	--	--
	STH 83	224	288+21.52	45.6	RT	224	225	1002.29	1002.25	1.00%	--	--	--	--	8	--	--
	STH 83	225	288+25.84	39.3	RT	225	226	1002.25	1001.97	1.00%	--	--	--	--	32	--	--
	STH 83	226	288+45.45	14.0	RT	226	227	1001.97	1001.94	1.00%	--	--	--	--	7	--	--
	STH 83	227	288+45.45	7.0	RT	227	232	1000.13	998.39	0.75%	--	--	--	--	236	--	--
	STH 83	230	290+81.52	14.0	LT	230	232	1004.92	1004.75	1.00%	--	21	--	--	--	--	--
	STH 83	231	290+50.00	25.8	RT	231	232	1005.30	1004.96	1.00%	--	37	--	--	--	--	--
	STH 83	232	290+81.52	7.0	RT	121	238	998.39	996.68	0.75%	--	--	--	--	232	--	--
	STH 83	235	293+13.71	14.0	LT	235	238	998.35	998.17	1.00%	--	21	--	--	--	--	--
	STH 83	236	293+28.20	28.0	RT	236	237	997.96	997.80	1.00%	20	--	--	--	--	--	--
	STH 83	237	293+13.71	14.0	RT	237	238	997.55	997.52	1.00%	--	7	--	--	--	--	--
	STH 83	238	293+13.71	7.0	RT	238	241	995.72	994.87	2.18%	--	--	--	--	43	--	--
	STH 83	240	293+56.76	28.0	RT	240	241	996.28	996.11	1.00%	--	21	--	--	--	--	--
	STH 83	241	293+56.76	7.0	RT	241	247	989.36	988.81	0.50%	--	--	--	--	--	114	--
	STH 83	245	294+70.57	14.0	LT	245	247	990.24	990.06	1.00%	--	21	--	--	--	--	--
	STH 83	246	294+70.57	14.0	RT	246	247	990.22	990.18	1.00%	--	7	--	--	--	--	--
	STH 83	247	294+70.57	7.0	RT	247	258	982.69	982.20	0.50%	--	--	--	--	--	104	--
	STH 83	250	294+79.88	77.3	LT	250	252	987.56	986.52	5.00%	--	--	--	--	21	--	--
	STH 83	251	294+79.68	37.9	LT	251	252	988.65	988.40	1.00%	--	28	--	--	--	--	--
	STH 83	252	294+91.86	62.6	LT	252	256	986.52	983.14	3.50%	--	--	--	--	101	--	--
	STH 83	255	295+73.81	29.7	LT	255	256	983.93	983.89	1.00%	--	7	--	--	--	--	--
	STH 83	256	295+74.08	22.8	LT	256	258	983.14	982.70	3.65%	--	--	--	--	17	--	--

ALL ITEMS CATEGORY 0010 UNLESS NOTED OTHERWISE

STORM SEWER PIPE GENERAL NOTES

1) STATIONS AND OFFSETS ARE TO THE CENTER OF STRUCTURES.
2) PIPE LENGTHS ARE FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE.

STORM SEWER PIPE ITEMS (CONTINUED)

PROJECT I.D.	ROADWAY	PIPE NUMBER	STA	OFFSET FT		FROM STR	TO STR	INLET ELEV	DISCH ELEV	SLOPE	608.0312 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 12-INCH LF	608.0315 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 15-INCH LF	608.0318 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 18-INCH LF	608.0321 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 21-INCH LF	608.0324 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 24-INCH LF	608.0330 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 30-INCH LF	608.0336 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 36-INCH LF
1330-24-70	STH 83	257	295+75.72	14.1	RT	257	258	984.42	984.34	0.50%	--	20	--	--	--	--	--
	STH 83	258	295+74.79	5.8	LT	258	261	979.13	978.75	0.50%	--	--	--	--	--	--	81
	STH 83	260	296+56.24	27.2	RT	260	261	980.65	980.50	1.00%	--	20	--	--	--	--	--
	STH 83	261	296+55.32	6.8	RT	261	265	977.27	976.88	0.50%	--	--	--	--	--	--	84
	STH 83	263	297+38.09	19.0	LT	263	265	978.74	978.63	0.50%	--	26	--	--	--	--	--
	STH 83	264	297+40.04	21.0	RT	264	265	978.68	978.63	0.50%	--	14	--	--	--	--	--
	STH 83	265	297+40.04	7.0	RT	265	269	976.88	976.74	0.50%	--	--	--	--	--	--	34
	STH 83	268	297+76.21	28.4	RT	268	269	978.59	978.49	0.50%	--	24	--	--	--	--	--
	STH 83	269	297+74.10	4.1	RT	269	274	976.74	976.44	0.50%	--	--	--	--	--	--	66
	STH 83	272	298+38.67	19.0	LT	272	274	977.86	977.79	0.50%	--	17	--	--	--	--	--
	STH 83	273	298+68.06	21.0	RT	273	275	977.53	977.48	1.00%	9	--	--	--	--	--	--
	STH 83	274	298+40.17	1.7	LT	274	278	976.44	976.18	0.50%	--	--	--	--	--	--	59
	STH 83	275	298+76.55	21.0	RT	275	279	977.23	977.03	1.00%	--	23	--	--	--	--	--
	STH 83	279	299+00.00	18.0	RT	279	278	976.28	976.18	0.50%	--	--	--	--	25	--	--
TOTAL (1330-24-70)											289	1759	456	231	2431	504	767

ALL ITEMS CATEGORY 0010 UNLESS NOTED OTHERWISE

STORM SEWER PIPE GENERAL NOTES

1) STATIONS AND OFFSETS ARE TO THE CENTER OF STRUCTURES.
2) PIPE LENGTHS ARE FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE.

STORM SEWER STRUCTURE ITEMS

PROJECT I.D.	ROADWAY	STRUCTURE NUMBER	STA	OFFSET FT		RIM OR FLANGE ELEV	LOWEST INVERT ELEV	STR DEPTH FT	611.0530 MANHOLE COVERS TYPE J EACH	611.0606* INLET COVERS TYPE B EACH	611.0624 INLET COVERS TYPE H EACH	611.0642 INLET COVERS TYPE MS EACH	611.0651 INLET COVERS TYPE S EACH	611.0660 INLET COVERS TYPE WM EACH	611.0666 INLET COVERS TYPE Z EACH	611.2004 MANHOLES 4-FT DIAMETER EACH	611.2006 MANHOLES 6-FT DIAMETER EACH	611.3003 INLETS 3-FT DIAMETER EACH	611.3004 INLETS 4-FT DIAMETER EACH	611.3225 INLETS 2X2.5-FT EACH	611.3901 INLETS MEDIAN 1 GRATE EACH	COMMENT
1330-24-70	STH 83	101	251+86.11	17.0	RT	1020.38	1014.23	4.80	--	--	--	--	--	1	--	--	--	--	--	1	--	
	STH 83	102A	251+86.15	17.0	LT	1018.40	1015.98	1.34	--	--	--	--	--	--	1	--	--	1	--	--	--	
	STH 83	102	251+89.34	13.2	LT	1018.48	1013.69	3.55	1	--	--	--	--	--	--	1	--	--	--	--	--	
	STH 83	103	253+75.51	26.0	RT	1014.79	1010.23	3.21	--	--	--	--	--	1	--	--	--	--	--	1	--	
	STH 83	104	253+75.51	17.0	LT	1014.37	1009.58	3.79	--	--	1	--	--	--	--	1	--	--	--	--	--	
	STH 83	105	254+18.06	44.7	LT	1013.01	1008.85	4.16	--	--	--	1	--	--	--	--	--	--	--	--	1	NO SLOPE
	STH 83	106	254+26.30	17.0	LT	1013.13	1008.34	3.79	--	--	1	--	--	--	--	1	--	--	--	--	--	
	STH 83	106A	254+86.11	17.0	LT	1011.68	1006.89	3.79	--	--	1	--	--	--	--	1	--	--	--	--	--	
	STH 83	107	255+25.33	29.0	RT	1010.91	1005.97	3.59	--	--	--	--	--	1	--	--	--	--	--	1	--	
	STH 83	108	225+06.11	17.0	LT	1011.19	1005.25	4.94	--	--	1	--	--	--	--	1	--	--	--	--	--	
	E MONROE AVE	109	48+26.08	38.6	RT	1006.91	1001.38	4.29	1	--	--	--	--	--	--	1	--	--	--	--	--	
	E MONROE AVE	110	48+25.69	24.2	LT	1006.58	1002.00	3.23	--	--	--	--	--	1	--	--	--	--	--	1	--	
	E MONROE AVE	111	48+25.69	25.2	RT	1006.56	1000.80	4.76	--	--	1	--	--	--	--	--	1	--	--	--	--	
	E MONROE AVE	112	49+22.94	31.0	RT	1008.20	1003.59	3.26	--	--	--	--	--	1	--	--	--	--	--	1	--	
	E MONROE AVE	113	49+22.23	19.3	RT	1008.28	1000.52	6.52	1	--	--	--	--	--	--	1	--	--	--	--	--	
	STH 83	115	255+81.43	18.2	LT	1009.61	999.86	8.51	1	--	--	--	--	--	--	--	1	--	--	--	--	
	STH 83	117	260+67.64	17.0	LT	1007.68	1003.50	2.83	--	--	--	--	--	1	--	--	--	--	--	1	--	
	STH 83	118A	260+75.00	33.6	RT	1008.15	1003.82	4.33	--	--	--	1	--	--	--	--	--	--	--	--	1	NO SLOPE
	STH 83	118	260+65.91	17.0	RT	1007.66	1003.40	3.26	--	--	--	--	1	--	--	--	--	--	--	1	--	
	STH 83	119	260+65.91	5.0	RT	1007.88	1002.56	4.08	1	--	--	--	--	--	--	1	--	--	--	--	--	
	STH 83	120A	259+08.05	17.0	LT	1006.74	1002.49	2.90	--	--	--	--	--	1	--	--	--	--	--	1	--	
	STH 83	120	258+88.05	17.0	LT	1006.73	1002.38	3.00	--	--	--	--	--	1	--	--	--	--	--	1	--	
	STH 83	120B	258+68.05	17.0	LT	1006.74	1002.03	3.36	--	--	--	--	--	1	--	--	--	--	1	--	--	
	STH 83	121A	258+85.13	23.9	RT	1006.59	1002.34	2.90	--	--	--	--	--	1	--	--	--	--	--	1	--	
	STH 83	121	258+65.13	25.3	RT	1006.58	1002.01	3.57	--	--	--	--	1	--	--	--	--	--	1	--	--	
	STH 83	122	258+44.97	59.7	RT	1007.01	1002.20	4.81	--	--	--	1	--	--	--	--	--	--	--	--	1	NO SLOPE
	STH 83	121B	258+39.72	27.0	RT	1006.61	1001.40	3.86	--	--	--	--	--	1	--	--	--	--	1	--	--	
	STH 83	123	258+39.73	9.5	RT	1006.93	1000.58	5.11	1	--	--	--	--	--	--	--	1	--	--	--	--	
	STH 83	124	257+25.00	17.0	LT	1007.31	1002.78	3.18	--	--	--	--	--	1	--	--	--	--	--	1	--	
	STH 83	125	257+25.00	29.0	RT	1007.07	1002.54	3.18	--	--	--	--	--	1	--	--	--	--	--	1	--	
	STH 83	126	257+25.00	9.4	RT	1007.44	1000.04	6.16	1	--	--	--	--	--	--	1	--	--	--	--	--	
	STH 83	130	255+81.76	9.3	RT	1009.69	998.99	9.46	1	--	--	--	--	--	--	--	1	--	--	--	--	
	E MONROE AVE	131	50+89.35	31.0	LT	1008.68	1004.15	3.18	--	--	--	--	--	1	--	--	--	--	--	1	--	
	E MONROE AVE	132B	51+65.70	27.0	RT	1009.37	1005.07	2.95	--	--	--	--	--	1	--	--	--	--	--	1	--	
	E MONROE AVE	132	51+45.70	27.0	RT	1009.20	1004.40	3.45	--	--	--	--	--	1	--	--	--	--	1	--	--	
	E MONROE AVE	132A	50+99.85	27.0	RT	1009.22	1003.98	3.89	--	--	--	--	--	1	--	--	--	--	1	--	--	
	E MONROE AVE	133	50+99.79	19.6	RT	1009.19	998.65	9.30	1	--	--	--	--	--	--	--	1	--	--	--	--	
	E MONROE AVE	133A	52+13.45	18.7	RT	1010.16	997.59	11.33	1	--	--	--	--	--	--	--	1	--	--	--	--	
	E MONROE AVE	133B	52+12.40	23.8	RT	1010.07	1005.98	2.74	--	--	--	--	--	1	--	--	--	--	--	1	--	
	E MONROE AVE	133C	52+10.98	25.1	LT	1010.05	1005.87	2.83	--	--	--	--	--	1	--	--	--	--	--	1	--	
	STH 83	134	262+81.13	17.0	LT	1010.93	1006.41	3.17	--	--	--	--	--	1	--	--	--	--	--	1	--	
	STH 83	135	262+79.12	17.0	RT	1010.90	1006.38	3.17	--	--	--	--	--	1	--	--	--	--	--	1	--	
	STH 83	136	262+79.12	5.0	RT	1011.12	1005.47	4.41	1	--	--	--	--	--	--	1	--	--	--	--	--	
	STH 83	150	267+55.82	17.0	LT	1005.61	1001.08	3.18	--	--	--	--	--	1	--	--	--	--	--	1	--	
	STH 83	151	267+55.82	17.0	RT	1005.61	1001.08	3.18	--	--	--	--	--	1	--	--	--	--	--	1	--	
	STH 83	152	267+55.82	3.4	RT	1005.86	1000.16	4.46	1	--	--	--	--	--	--	1	--	--	--	--	--	
	STH 83	153A	270+78.72	27.8	LT	999.11	989.09	8.69	--	1	--	--	--	--	--	--	1	--	--	--	--	

STORM SEWER STRUCTURE GENERAL NOTES

1) STATIONS AND OFFSETS ARE TO THE CENTER OF STRUCTURES.
2) RIM ELEVATIONS ARE GIVEN AT THE FLANGE LINE FOR INLET GRATES OR THE CENTER OF THE COVER FOR MANHOLES AND FIELD INLETS.
3) STRUCTURE DEPTH = RIM ELEVATION MINUS LOWEST INVERT PLUS PIPE THICKNESS MINUS CASTING HEIGHT MINUS ADJUSTMENT RING.
   - CASTING HEIGHT EQUALS 0.7396 FT FOR TYPE J COVERS; 0.8333 FT FOR TYPE B COVERS; 0.5 FT FOR TYPE H COVERS; 0 FT FOR TYPE MS COVERS; 0.5 FT FOR TYPE S COVERS; 0.8542 FT FOR TYPE WM COVERS; 0.5833 FT FOR TYPE Z COVERS.
   - ADJUSTMENT RING HEIGHT EQUALS 0.5 FT.
4) FLAT SLAB TOP WITH CENTERED 25"X37" OPENING REQUIRED ON ALL MANHOLES WITH TYPE H INLET COVERS.
5) MANHOLES REQUIRING INLET COVERS, OPENING TO BE OFFSET TO ACCOMMODATE STAIRS.

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

ALL ITEMS CATEGORY 0010 UNLESS NOTED OTHERWISE

STORM SEWER STRUCTURE ITEMS (CONTINUED)

PROJECT I.D.	ROADWAY	STRUCTURE NUMBER	STA	OFFSET FT		RIM OR FLANGE ELEV	LOWEST INVERT ELEV	STR DEPTH FT	611.0530 MANHOLE COVERS TYPE J EACH	611.0606* INLET COVERS TYPE B EACH	611.0624 INLET COVERS TYPE H EACH	611.0642 INLET COVERS TYPE MS EACH	611.0651 INLET COVERS TYPE S EACH	611.0660 INLET COVERS TYPE WM EACH	611.0666 INLET COVERS TYPE Z EACH	611.2004 MANHOLES 4-FT DIAMETER EACH	611.2006 MANHOLES 6-FT DIAMETER EACH	611.3003 INLETS 3-FT DIAMETER EACH	611.3004 INLETS 4-FT DIAMETER EACH	611.3225 INLETS 2X2.5-FT EACH	611.3901 INLETS MEDIAN 1 GRATE EACH	COMMENT
1330-24-70	STH 83	153	270+78.64	17.0	LT	999.11	988.83	9.28	--	--	1	--	--	--	--	--	1	--	--	--	--	
	STH 83	154	278+28.45	14.0	RT	1010.40	1004.02	5.03	--	--	--	--	--	1	--	--	--	--	1	--	--	
	STH 83	155	276+75.90	14.0	LT	1007.16	1002.40	3.41	--	--	--	--	--	1	--	--	--	--	--	1	--	
	STH 83	156	276+75.90	14.0	RT	1007.34	1002.53	3.46	--	--	--	--	--	1	--	--	--	--	1	--	--	
	STH 83	157	276+75.90	7.0	RT	1007.39	1001.47	4.68	1	--	--	--	--	--	--	1	--	--	--	--	--	
	STH 83	158	275+00.00	14.0	LT	1002.42	997.81	3.26	--	--	--	--	--	1	--	--	--	--	--	1	--	
	STH 83	159	275+00.00	7.0	RT	1003.02	996.88	4.90	1	--	--	--	--	--	--	1	--	--	--	--	--	
	STH 83	160	273+69.72	14.0	LT	999.88	995.32	3.21	--	--	--	--	--	1	--	--	--	--	--	1	--	
	STH 83	162	273+69.72	7.0	RT	1000.48	994.39	4.85	1	--	--	--	--	--	--	1	--	--	--	--	--	
	STH 83	163	272+71.48	14.0	LT	999.01	994.47	3.19	--	--	--	--	--	1	--	--	--	--	--	1	--	
	STH 83	164	272+79.48	45.7	RT	998.58	994.28	2.95	--	--	--	--	--	1	--	--	--	--	1	--	--	
	STH 83	165	272+70.62	29.8	RT	998.41	993.88	3.18	--	--	--	--	--	1	--	--	--	--	1	--	--	
	STH 83	166	272+69.97	7.2	RT	999.18	992.95	4.99	1	--	--	--	--	--	--	--	1	--	--	--	--	
	STH 83	167	272+68.22	68.6	RT	998.62	994.01	3.26	--	--	--	--	--	1	--	--	--	--	1	--	--	
	STH 83	168	272+31.89	46.8	RT	998.10	993.57	3.18	--	--	--	--	--	1	--	--	--	--	1	--	--	
	STH 83	168A	272+21.48	41.8	RT	998.10	993.48	3.27	--	--	--	--	--	1	--	--	--	--	1	--	--	
	STH 83	169	272+24.94	32.7	RT	998.55	992.21	5.10	1	--	--	--	--	--	--	1	--	--	--	--	--	
	STH 83	170A	271+82.70	21.1	LT	998.65	994.12	3.18	--	--	--	--	--	1	--	--	--	--	--	1	--	
	STH 83	170	271+67.04	22.1	LT	998.65	993.75	3.55	--	--	--	--	--	1	--	--	--	--	1	--	--	
	STH 83	171	271+63.79	11.6	RT	998.85	991.24	6.37	1	--	--	--	--	--	--	1	--	--	--	--	--	
	STH 83	172	270+75.82	3.4	RT	999.37	988.73	9.40	1	--	--	--	--	--	--	--	1	--	--	--	--	
	STH 83	173	270+75.82	17.0	RT	999.12	988.68	9.44	--	--	1	--	--	--	--	--	1	--	--	--	--	
	LINCOLN AVE	175	52+35.09	17.0	LT	995.90	991.37	3.45	--	--	--	--	--	--	1	--	--	1	--	--	--	
	LINCOLN AVE	176	52+50.45	17.0	RT	995.80	991.27	3.45	--	--	--	--	--	--	1	--	--	1	--	--	--	
	LINCOLN AVE	177	52+55.08	11.7	RT	995.88	987.61	7.03	1	--	--	--	--	--	--	--	1	--	--	--	--	
	LINCOLN AVE	178	52+87.88	10.3	RT	995.43	987.42	6.77	1	--	--	--	--	--	--	--	1	--	--	--	--	
	STH 83	200	283+31.78	14.0	RT	1009.42	1005.56	2.51	--	--	--	--	--	1	--	--	--	--	1	--	--	
	STH 83	201	284+21.00	40.4	LT	1009.92	1005.62	2.95	--	--	--	--	--	1	--	--	--	--	1	--	--	
	STH 83	202A	282+20.93	14.0	LT	1010.53	1006.23	2.95	--	--	--	--	--	1	--	--	--	--	1	--	--	
	STH 83	202	283+54.80	14.0	LT	1009.46	1005.58	2.53	--	--	--	--	--	1	--	--	--	--	1	--	--	
	STH 83	203	283+82.53	29.0	LT	1009.52	1005.44	2.73	--	--	--	--	--	1	--	--	--	--	1	--	--	
	STH 83	204	283+93.51	7.0	RT	1009.36	1004.52	3.60	1	--	--	--	--	--	--	1	--	--	--	--	--	
	STH 83	205	284+88.60	14.0	LT	1008.94	1004.86	2.73	--	--	--	--	--	1	--	--	--	--	--	1	--	
	STH 83	206	284+88.60	7.0	RT	1008.99	1004.02	3.73	1	--	--	--	--	--	--	1	--	--	--	--	--	
	STH 83	207A	285+53.60	14.0	LT	1008.69	1004.79	2.55	--	--	--	--	--	1	--	--	--	--	--	1	--	
	STH 83	207	285+63.60	14.0	LT	1008.65	1004.50	2.80	--	--	--	--	--	1	--	--	--	--	--	1	--	
	STH 83	208	285+63.60	7.0	RT	1008.70	1003.66	3.80	1	--	--	--	--	--	--	1	--	--	--	--	--	
	STH 83	210C	286+28.60	14.0	LT	1008.40	1004.42	2.63	--	--	--	--	--	1	--	--	--	--	--	1	--	
	STH 83	210B	286+38.60	14.0	LT	1008.38	1004.13	2.90	--	--	--	--	--	1	--	--	--	--	1	--	--	
	STH 83	210D	287+01.75	14.0	LT	1008.37	1004.36	2.66	--	--	--	--	--	1	--	--	--	--	--	1	--	
	STH 83	210A	286+91.75	14.0	LT	1008.35	1004.32	2.68	--	--	--	--	--	1	--	--	--	--	--	1	--	
	STH 83	210	286+71.75	14.0	LT	1008.34	1003.98	3.01	--	--	--	--	--	1	--	--	--	--	1	--	--	
	STH 83	211	286+71.75	26.8	RT	1008.27	1004.21	4.06	--	--	--	1	--	--	--	--	--	--	--	--	1	NO SLOPE
	STH 83	212A	286+51.75	14.0	RT	1008.22	1004.25	2.62	--	--	--	--	--	1	--	--	--	--	--	1	--	
	STH 83	212B	286+91.75	14.0	RT	1008.22	1004.25	2.62	--	--	--	--	--	1	--	--	--	--	--	2	--	

STORM SEWER STRUCTURE GENERAL NOTES

1) STATIONS AND OFFSETS ARE TO THE CENTER OF STRUCTURES.
2) RIM ELEVATIONS ARE GIVEN AT THE FLANGE LINE FOR INLET GRATES OR THE CENTER OF THE COVER FOR MANHOLES AND FIELD INLETS.
3) STRUCTURE DEPTH = RIM ELEVATION MINUS LOWEST INVERT PLUS PIPE THICKNESS MINUS CASTING HEIGHT MINUS ADJUSTMENT RING.
   - CASTING HEIGHT EQUALS 0.7396 FT FOR TYPE J COVERS; 0.8333 FT FOR TYPE B COVERS; 0.5 FT FOR TYPE H COVERS; 0 FT FOR TYPE MS COVERS; 0.5 FT FOR TYPE S COVERS; 0.8542 FT FOR TYPE WM COVERS; 0.5833 FT FOR TYPE Z COVERS.
   - ADJUSTMENT RING HEIGHT EQUALS 0.5 FT.
4) FLAT SLAB TOP WITH CENTERED 25"X37" OPENING REQUIRED ON ALL MANHOLES WITH TYPE H INLET COVERS.
5) MANHOLES REQUIRING INLET COVERS, OPENING TO BE OFFSET TO ACCOMMODATE STAIRS.

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE
ALL ITEMS CATEGORY 0010 UNLESS NOTED OTHERWISE

STORM SEWER STRUCTURE ITEMS (CONTINUED)

PROJECT I.D.	ROADWAY	STRUCTURE NUMBER	STA	OFFSET FT		RIM OR FLANGE ELEV	LOWEST INVERT ELEV	STR DEPTH FT	611.0530 MANHOLE COVERS TYPE J EACH	611.0606* INLET COVERS TYPE B EACH	611.0624 INLET COVERS TYPE H EACH	611.0642 INLET COVERS TYPE MS EACH	611.0651 INLET COVERS TYPE S EACH	611.0660 INLET COVERS TYPE WM EACH	611.0666 INLET COVERS TYPE Z EACH	611.2004 MANHOLES 4-FT DIAMETER EACH	611.2006 MANHOLES 6-FT DIAMETER EACH	611.3003 INLETS 3-FT DIAMETER EACH	611.3004 INLETS 4-FT DIAMETER EACH	611.3225 INLETS 2X2.5-FT EACH	611.3901 INLETS MEDIAN 1 GRATE EACH	COMMENT
1330-24-70	STH 83	212	286+71.75	14.0	RT	1008.22	1003.91	2.96	--	--	--	--	--	1	--	--	--	--	--	1	--	
	STH 83	213	286+71.75	7.0	RT	1008.39	1003.14	4.01	1	--	--	--	--	--	--	1	--	--	--	--	--	
	STH 83	214	287+35.06	14.0	LT	1008.48	1003.95	3.18	--	--	--	--	--	1	--	--	--	--	--	1	--	
	STH 83	215	287+35.08	7.0	RT	1008.53	1002.84	4.45	1	--	--	--	--	--	--	1	--	--	--	--	--	
	STH 83	217A	287+92.06	14.0	LT	1008.84	1004.56	2.93	--	--	--	--	--	1	--	--	--	--	--	1	--	
	STH 83	217	287+82.06	14.0	LT	1008.76	1004.23	3.18	--	--	--	--	--	1	--	--	--	--	--	1	--	
	STH 83	219	287+82.05	7.0	RT	1008.82	1000.58	7.00	1	--	--	--	--	--	--	1	--	--	--	--	--	
	STH 83	223A	288+55.45	14.0	LT	1009.29	1005.01	2.93	--	--	--	--	--	1	--	--	--	--	--	1	--	
	STH 83	223	288+45.45	14.0	LT	1009.22	1004.69	3.18	--	--	--	--	--	1	--	--	--	--	--	1	--	
	STH 83	224	288+21.52	45.6	RT	1008.24	1002.29	4.71	1	--	--	--	--	--	--	1	--	--	--	--	--	
	STH 83	225	288+25.84	39.3	RT	1008.38	1002.25	5.13	--	--	1	--	--	--	--	1	--	--	--	--	--	
	STH 83	226	288+45.45	14.0	RT	1009.09	1001.97	6.12	--	--	1	--	--	--	--	1	--	--	--	--	--	
	STH 83	227	288+45.45	7.0	RT	1009.27	1000.13	7.90	1	--	--	--	--	--	--	1	--	--	--	--	--	
	STH 83	230	290+81.52	14.0	LT	1009.49	1004.92	3.22	--	--	--	--	--	1	--	--	--	--	--	1	--	
	STH 83	231	290+50.00	25.8	RT	1009.93	1005.30	4.63	--	--	--	1	--	--	--	--	--	--	--	--	1	NO SLOPE
	STH 83	232	290+81.52	7.0	RT	1009.54	998.39	9.91	1	--	--	--	--	--	--	1	--	--	--	--	--	
	STH 83	235	293+13.71	14.0	LT	1002.94	998.35	3.24	--	--	--	--	--	1	--	--	--	--	--	1	--	
	STH 83	236	293+28.20	28.0	RT	1002.22	997.96	2.91	--	--	--	--	--	1	--	--	--	--	1	--	--	
	STH 83	237	293+13.71	14.0	RT	1002.94	997.55	4.39	--	--	1	--	--	--	--	--	--	--	--	1	--	
	STH 83	238	293+13.71	7.0	RT	1003.12	995.72	6.16	1	--	--	--	--	--	--	1	--	--	--	--	--	
	STH 83	240	293+56.76	28.0	RT	1000.81	996.28	3.18	--	--	--	--	--	1	--	--	--	--	1	--	--	
	STH 83	241	293+56.76	7.0	RT	1001.21	989.36	10.61	1	--	--	--	--	--	--	1	--	--	--	--	--	
	STH 83	245	294+70.57	14.0	LT	994.88	990.24	3.29	--	--	--	--	--	1	--	--	--	--	--	1	--	
	STH 83	246	294+70.57	14.0	RT	994.88	990.22	3.31	--	--	--	--	--	1	--	--	--	--	--	1	--	
	STH 83	247	294+70.57	7.0	RT	995.00	982.69	11.07	1	--	--	--	--	--	--	1	--	--	--	--	--	
	STH 83	250	294+79.88	77.3	LT	993.61	987.56	4.70	--	--	1	--	--	--	--	1	--	--	--	--	--	
	STH 83	251	294+79.68	37.9	LT	993.79	988.65	3.79	--	--	--	--	--	1	--	--	--	--	--	1	--	
	STH 83	252	294+91.86	62.6	LT	992.92	986.52	5.16	1	--	--	--	--	--	--	1	--	--	--	--	--	
	STH 83	255	295+73.81	29.7	LT	988.46	983.93	3.18	--	--	--	--	--	1	--	--	--	--	--	1	--	
	STH 83	256	295+74.08	22.8	LT	988.61	983.14	4.23	1	--	--	--	--	--	--	1	--	--	--	--	--	
	STH 83	257	295+75.72	14.1	RT	988.95	984.42	3.18	--	--	--	--	--	1	--	--	--	--	--	1	--	
	STH 83	258	295+74.79	5.8	LT	989.13	979.13	8.76	1	--	--	--	--	--	--	--	1	--	--	--	--	
	STH 83	260	296+56.24	27.2	RT	985.53	980.65	3.64	1	--	--	--	--	--	--	1	--	--	--	--	--	
	STH 83	261	296+55.32	6.8	RT	985.32	977.27	6.81	1	--	--	--	--	--	--	--	1	--	--	--	--	
	STH 83	263	297+38.09	19.0	LT	982.15	978.74	2.06	--	--	--	--	--	1	--	--	--	--	--	1	--	
	STH 83	264	297+40.04	21.0	RT	982.76	978.68	3.08	--	--	--	--	1	--	--	--	--	--	--	1	--	
	STH 83	265	297+40.04	7.0	RT	982.86	976.88	4.74	1	--	--	--	--	--	--	--	1	--	--	--	--	
	STH 83	268	297+76.21	28.4	RT	982.55	978.59	2.72	1	--	--	--	--	--	--	1	--	--	--	--	--	
	STH 83	269	297+74.10	4.1	RT	982.13	976.74	4.15	1	--	--	--	--	--	--	--	1	--	--	--	--	
	STH 83	272	298+38.67	19.0	LT	980.70	977.86	1.49	--	--	--	--	--	1	--	--	--	--	--	1	--	
	STH 83	273	298+68.06	21.0	RT	980.73	977.53	1.85	--	--	--	--	--	1	--	--	--	--	--	1	--	
	STH 83	274	298+40.17	1.7	LT	981.24	976.44	3.56	1	--	--	--	--	--	--	--	1	--	--	--	--	
	STH 83	275	298+76.55	21.2	RT	980.43	977.23	1.85	--	--	--	--	--	1	--	--	--	--	1	--	--	
	STH 83	278	298+98.90	7.4	LT	980.62	976.14	3.24	1	--	--	--	--	--	--	--	1	--	--	--	--	
	STH 83	279	299+00.00	17.5	RT	980.90	976.28	3.38	1	--	--	--	--	--	--	1	--	--	--	--	--	
TOTAL (1330-24-70)									44	1	11	5	3	70	3	36	19	3	23	52	5	

ALL ITEMS CATEGORY 0010 UNLESS NOTED OTHERWISE

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

STORM SEWER STRUCTURE GENERAL NOTES

1) STATIONS AND OFFSETS ARE TO THE CENTER OF STRUCTURES.
2) RIM ELEVATIONS ARE GIVEN AT THE FLANGE LINE FOR INLET GRATES OR THE CENTER OF THE COVER FOR MANHOLES AND FIELD INLETS.
3) STRUCTURE DEPTH = RIM ELEVATION MINUS LOWEST INVERT PLUS PIPE THICKNESS MINUS CASTING HEIGHT MINUS ADJUSTMENT RING.
   - CASTING HEIGHT EQUALS 0.7396 FT FOR TYPE J COVERS; 0.8333 FT FOR TYPE B COVERS; 0.5 FT FOR TYPE H COVERS; 0 FT FOR TYPE MS COVERS; 0.5 FT FOR TYPE S COVERS; 0.8542 FT FOR TYPE WM COVERS; 0.5833 FT FOR TYPE Z COVERS.
   - ADJUSTMENT RING HEIGHT EQUALS 0.5 FT.
4) FLAT SLAB TOP WITH CENTERED 25"X37" OPENING REQUIRED ON ALL MANHOLES WITH TYPE H INLET COVERS.
5) MANHOLES REQUIRING INLET COVERS, OPENING TO BE OFFSET TO ACCOMMODATE STAIRS.

3

ADJUSTING MANHOLE AND INLET COVERS

PROJECT I.D.	ROADWAY	STATION	LOCATION	611.8110 ADJUSTING MANHOLE COVERS EACH	611.8115 ADJUSTING INLET COVERS EACH
1330-24-70					
	E LINCOLN AVE	50+24	15' LT	---	1
	E LINCOLN AVE	50+26	9' LT	1	---
	E LINCOLN AVE	50+27	15' RT	---	1
TOTAL (1330-24-70)				1	2

ALL ITEMS CATEGORY 0010 UNLESS NOTED OTHERWISE

TEMPORARY PEDESTRIAN FACILITIES

PROJECT I.D.	ROADWAY	LOCATION	644.1410.S TEMPORARY PEDESTRIAN SURFACE ASPHALT SF	644.1601.S TEMPORARY CURB RAMP EACH
1330-24-70				
	STH 83	STA. 254+80, LT	200	---
	STH 83	STA. 256+75, LT	50	---
	STH 83	STA. 256+75, RT	50	---
	STH 83	STA. 266+25, LT	50	---
	STH 83	STA. 266+25, RT	50	---
	STH 83	UNDISTRIBUTED	1,200	12
TOTAL (1330-24-70)			1,600	12

ALL ITEMS CATEGORY 0010 UNLESS NOTED OTHERWISE

3

INLET COVERS FOR STAGING

PROJECT I.D.	ROADWAY	STATION	LOCATION	611.0606* INLET COVERS TYPE B EACH
1330-24-70				
	STH 83	253+70	18' RT	1
	STH 83	255+30	23' RT	1
	STH 83	256+77	16' RT	1
	E. MONROE AVE	49+39	24' LT	1
	E. MONROE AVE	50+60	25' LT	1
	E. MONROE AVE	52+12	24' LT	1
TOTAL (1330-24-70)				6

ALL ITEMS CATEGORY 0010 UNLESS NOTED OTHERWISE
*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

COVER PLATES TEMPORARY

PROJECT I.D.	ROADWAY	STATION	LOCATION	611.8120.S EACH	COMMENT
1330-24-70					
	STH 83	253+70	18' RT	1	EXISTING INLET
	STH 83	255+30	23' RT	1	EXISTING INLET
	STH 83	256+77	16' RT	1	EXISTING INLET
	E MONROE AVE	49+39	24' LT	1	EXISTING INLET
	E MONROE AVE	50+60	25' LT	1	EXISTING INLET
	E MONROE AVE	52+12	24' LT	1	EXISTING INLET
	E MONROE AVE	52+13	19' RT	1	PROPOSED MANHOLE
	E LINCOLN AVE	52+55	12' RT	1	PROPOSED MANHOLE
	E LINCOLN AVE	52+88	10' RT	1	PROPOSED MANHOLE
TOTAL (1330-24-70)				9	

ALL ITEMS CATEGORY 0010 UNLESS NOTED OTHERWISE

SAFETY FENCE

PROJECT I.D.	ROADWAY	LOCATION	616.0700.S FENCE SAFETY LF
1330-24-70			
	STH 83	STA. 277+43 - STA. 277+71, LT	35
TOTAL (1330-24-70)			35

ALL ITEMS CATEGORY 0010 UNLESS NOTED OTHERWISE

PIPE UNDERDRAIN

PROJECT I.D.	STAGE	ROADWAY	STATION		STATION	LOCATION	612.0106 PIPE UNDERDRAIN 6-INCH LF	612.0206 PIPE UNDERDRAIN UNPERFORATED 6-INCH LF
1330-24-70								
	STAGE 1							
		STH 83	271+28	-	272+36	LT	100	---
		STH 83	286+22	-	287+22	LT	100	---
		STH 83	286+22	-	287+22	RT	100	---
		STH 83	298+60	-	STR 278	LT	50	---
		STH 83	298+78	-	STR 279	RT	30	---
		E MONROE AVE	STR 110	-	48+80	LT	45	55
		E MONROE AVE	STR 111	-	48+80	RT	44	56
		E MONROE AVE	50+44	-	STR 131	LT	50	---
		E MONROE AVE	STR 131		51+40	LT	50	---
	STAGE 1 SUBTOTALS						569	111
	STAGE 2							
		STH 83	256+75	-	257+75	LT	100	---
		STH 83	256+75	-	257+75	RT	100	---
		E LINCOLN AVE	51+22	-	STR 176	RT	34	130
		E LINCOLN AVE	51+22	-	STR 175	LT	50	110
		GRAND AVE	10+91		STR 168A	RT	50	---
		GRAND AVE	STR 168A		STR 168	RT	10	---
		GRAND AVE	STR 168		12+02	RT	45	---
		GRAND AVE	12+15		12+01	LT	67	---
		E LOOS ST	STR 204	-	11+26	LT/RT	93	---
		SOUTH ST	10+96	-	STR 225	LT	45	---
		SOUTH ST	STR 225	-	11+06	LT/RT	40	---
	STAGE 2 SUBTOTALS						634	240
	UNDISTRIBUTED						300	100
TOTAL (1330-24-70)							1,503	451

ALL ITEMS CATEGORY 0010 UNLESS NOTED OTHERWISE

MOBILIZATION

PROJECT I.D.	ROADWAY	619.1000 EACH
1330-24-70	PROJECT	1
TOTAL (1330-24-70)		1

ALL ITEMS CATEGORY 0010 UNLESS NOTED OTHERWISE

3

EROSION CONTROL ITEMS

PROJECT I.D.	STAGE	ROADWAY	627.0200 MULCHING SY	628.1104 EROSION BALES EACH	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF	628.2006 EROSION MAT URBAN CLASS I TYPE A SY	628.7005 INLET PROTECTION TYPE A EACH	628.7010 INLET PROTECTION TYPE B EACH	628.7015 INLET PROTECTION TYPE C EACH	628.7020 INLET PROTECTION TYPE D EACH	628.7504 TEMPORARY DITCH CHECK LF	628.7570 ROCK BAGS EACH
1330-24-70													
	STAGE 1												
		STH 83	---	---	450	450	850	78	5	77	8	50	---
		MONROE AVE	---	---	---	---	---	13	---	17	---	---	---
		LINCOLN AVE	---	---	---	---	350	4	1	6	---	---	---
		GRAND AVE	---	---	---	---	---	7	---	7	---	---	---
		WASHINGTON AVE	---	---	---	---	---	---	---	2	---	---	---
		LOOS AVE	---	---	---	---	---	4	---	4	---	---	---
		SOUTH ST	---	---	---	---	---	1	---	4	---	---	---
		MAIN ST	---	---	---	---	---	6	---	8	---	---	---
		KOSSUTH ST	---	---	---	---	---	---	---	2	---	---	---
		UNDISTRIBUTED	400	20	125	125	300	22	9	20	4	30	10
	STAGE 1 SUBTOTALS		400	20	575	575	1,500	135	15	147	12	80	10
	STAGE 2												
		STH 83	---	---	125	125	---	21	4	12	2	---	
		UNDISTRIBUTED	200	10	50	50	---	4	3	3	3	15	10
	STAGE 2 SUBTOTALS		200	10	175	175	---	25	7	15	5	15	10
TOTAL (1330-24-70)			600	30	750	750	1,500	160	22	162	17	95	20

ALL ITEMS CATEGORY 0010 UNLESS NOTED OTHERWISE

RESTORATION ITEMS

PROJECT I.D.	STAGE	ROADWAY	625.0100 TOPSOIL SY	629.0210 FERTILIZER TYPE B CWT	630.0140 SEEDING MIXTURE NO. 40 LB	630.0200 SEEDING TEMPORARY LB	631.0300 SOD WATER MGAL	631.1000 SOD LAWN SY
1330-24-70								
	STAGE 1							
		STH 83	4,350	2.74	16	---	80	3,500
		MONROE AVE	710	.45	---	---	20	710
		LINCOLN AVE	600	.38	---	---	10	250
		GRAND AVE	120	.08	---	---	3	120
		WASHINGTON AVE	---	---	---	---	---	---
		LOOS AVE	45	.03	---	---	2	45
		SOUTH ST	45	.03	---	---	2	45
		MAIN ST	180	.11	---	---	5	180
		KOSSUTH ST	---	---	---	---	---	---
		UNDISTRIBUTED	300	.19	14	45	---	---
	STAGE 1 SUBTOTALS		6,350	4.00	30	45	122	4,850
	STAGE 2							
		STH 83	1,600	1.01	---	---	40	1,600
		UNDISTRIBUTED	400	.25	---	15	9	400
	STAGE 2 SUBTOTALS		2,000	1.26	---	15	49	2,000
TOTAL (1330-24-70)			8,350	5.26	30	60	171	6,850

ALL ITEMS CATEGORY 0010 UNLESS NOTED OTHERWISE

EROSION CONTROL MOBILIZATIONS

PROJECT I.D.	ROADWAY	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EACH
1330-24-70	STH 83	6	8
TOTAL (1330-24-70)		6	8

ALL ITEMS CATEGORY 0010 UNLESS NOTED OTHERWISE

FIELD OFFICE TYPE C

PROJECT I.D.	ROADWAY	642.5201 EACH
1330-24-70	STH 83	1
TOTAL (1330-24-70)		1

ALL ITEMS CATEGORY 0010 UNLESS NOTED OTHERWISE

TRAFFIC CONTROL

PROJECT I.D.	ROADWAY	643.0100.01 TRAFFIC CONTROL (1330-24-70) EACH	643.2000.01 TRAFFIC CONTROL DETOUR (1330-24-70) EACH
1330-24-70	STH 83	1	1
TOTAL (1330-24-70)		1	1

ALL ITEMS CATEGORY 0010 UNLESS NOTED OTHERWISE

TRAFFIC CONTROL DETOUR

PROJECT I.D.	ROADWAY	PROJECT DURATION DAYS	643.1000 TRAFFIC CONTROL SIGNS FIXED MESSAGE SF	643.3000 TRAFFIC CONTROL DETOUR SIGNS EACH	643.3000 TRAFFIC CONTROL DETOUR SIGNS DAYS
1330-24-70					
	STH 83 DETOUR	214	115.50	137	29,318
	PEDESTRIAN DETOUR	130	29.33	23	2,990
	UNDISTRIBUTED	--	--	14	2,996
TOTAL (1330-24-70)			144.83		35,304

ALL ITEMS CATEGORY 0010 UNLESS NOTED OTHERWISE

TYPE II PERMANENT SIGNING

CATEGORY CODE 0010

SIGN NO.	SIGN CODE	SIGN MESSAGE	TYPE II SIGN SIZE W [IN.] x H [IN.]	637.2210 SIGNS TYPE II REFLECTIVE H [SF]	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING [SF]	637.2230 SIGNS TYPE II REFLECTIVE F [SF]	634.0616 POSTS WOOD 4X6-INCH X 16-FT [EA]	634.0618 POSTS WOOD 4X6-INCH X 18-FT [EA]	638.2602 REMOVING SIGNS TYPE II [EA]	638.3000 REMOVING SMALL SIGN SUPPORTS [EA]	638.2102 MOVING SIGNS TYPE II [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS NEW SIGN LOCATION
101	W3-3(2S)	--	36 x 36	--	--	9.00	--	1	1	1	--	--	--
102	W3-3(2S)	--	36 x 36	--	--	9.00	--	1	1	1	--	--	--
103	D12-2A	RIDESHARE	-- x --	--	--	--	--	2	--	2	1	--	--
104	J4-1(2S)	--	24 x 36	6.00	--	--	--	1	--	--	--	--	--
	M3-3	--	24 x 12	--	--	--	--	--	--	--	--	--	--
	M1-6	STH 83	24 x 24	--	--	--	--	--	--	--	--	--	--
105	ADOPT	--	-- x --	--	--	--	1	--	--	1	1	--	--
106	R1-1F(2S)	--	30 x 30	--	5.18	--	--	--	1	--	--	--	MOUNT ON SIGNAL POLE
107	J3-2(2S)	--	48 x 57	19.00	--	--	--	1	--	--	--	--	--
	M3-1	--	24 x 12	--	--	--	--	--	--	--	--	--	--
	M1-6	STH 83	24 x 24	--	--	--	--	--	--	--	--	--	--
	M6-1	--	21 x 21	--	--	--	--	--	--	--	--	--	--
	M3-3	--	24 x 12	--	--	--	--	--	--	--	--	--	--
	M1-6	STH 83	24 x 24	--	--	--	--	--	--	--	--	--	--
	M6-1	--	21 x 21	--	--	--	--	--	--	--	--	--	--
108	R1-1F(2S)	--	30 x 30	--	5.18	--	--	--	1	--	--	--	MOUNT ON SIGNAL POLE
109	R7-1D(2S)	--	18 x 24	3.00	--	--	1	--	1	1	--	--	--
109A	R7-1D(2S)	--	18 x 24	--	--	--	--	--	1	1	--	--	--
110	M1-94	MONROE AVE	90 x 18	11.25	--	--	--	--	1	--	--	--	ON SIGNAL MAST ARM
111	M1-94	MONROE AVE	90 x 18	11.25	--	--	--	--	1	--	--	--	ON SIGNAL MAST ARM
112	R1-1F(2S)	--	30 x 30	--	5.18	--	--	--	1	--	--	--	MOUNT ON SIGNAL POLE
113	R1-1F(2S)	--	30 x 30	--	5.18	--	--	--	1	--	--	--	MOUNT ON SIGNAL POLE
114	J4-1(2S)	--	24 x 36	6.00	--	--	--	1	1	--	--	--	--
	M3-1	--	24 x 12	--	--	--	--	--	--	--	--	--	--
	M1-6	STH 83	24 x 24	--	--	--	--	--	--	--	--	--	--
115	JH-1(2S)	--	24 x 45	7.50	--	--	--	1	1	1	--	--	--
	D9-2	--	24 x 21	--	--	--	--	--	--	--	--	--	--
	MB6-1	--	21 x 21	--	--	--	--	--	--	--	--	--	--
116	J3-2(2S)	--	48 x 57	19.00	--	--	--	1	--	--	--	--	--
	M3-3	--	24 x 12	--	--	--	--	--	--	--	--	--	--
	M1-6	STH 83	24 x 24	--	--	--	--	--	--	--	--	--	--
	M6-1	--	21 x 21	--	--	--	--	--	--	--	--	--	--
	M3-1	--	24 x 12	--	--	--	--	--	--	--	--	--	--
	M1-6	STH 83	24 x 24	--	--	--	--	--	--	--	--	--	--
	M6-1	--	21 x 21	--	--	--	--	--	--	--	--	--	--
117	W3-3(2S)	--	36 x 36	--	--	9.00	--	1	1	1	--	--	--
118	W3-3(2S)	--	36 x 36	--	--	9.00	--	1	1	1	--	--	--
119	R7-1D(2S)	--	18 x 24	3.00	--	--	1	--	1	1	--	--	--
120	R1-1(2S)	--	30 x 30	5.18	--	--	1	--	1	1	--	--	--
121	S1-1(2S)	--	36 x 36	--	--	6.75	--	1	1	1	--	--	--
122	S16-7L(2S)	--	30 x 18	--	--	3.75	--	--	--	--	--	--	--
123	R2-1(2S)	30 MPH	24 x 30	5.00	--	--	1	--	1	1	--	--	--
124	PARKING REG	--	-- x --	--	--	--	2	--	--	2	1	--	--
125	S1-1(2S)	--	36 x 36	--	--	6.75	--	1	1	1	--	--	--
126	S16-9P(2S)	--	30 x 18	--	--	3.75	--	--	--	--	--	--	--
127	R2-6P(2S)	--	24 x 18	3.00	--	--	--	--	--	--	--	--	--
128	M1-85	WI HERITAGE	-- x --	--	--	--	1	--	--	1	1	--	--
129	R7-1D(2S)	--	18 x 24	3.00	--	--	1	--	1	1	--	--	--
130	S1-1(2S)	--	36 x 36	--	--	6.75	--	1	1	1	--	--	--
131	S16-7L(2S)	--	30 x 18	--	--	3.75	--	--	--	--	--	--	--

TYPE II PERMANENT SIGNING

CATEGORY CODE 0010

SIGN NO.	SIGN CODE	SIGN MESSAGE	TYPE II SIGN SIZE W [IN.] x H [IN.]	637.2210 SIGNS TYPE II REFLECTIVE H [SF]	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING [SF]	637.2230 SIGNS TYPE II REFLECTIVE F [SF]	634.0616 POSTS WOOD 4X6-INCH X 16-FT [EA]	634.0618 POSTS WOOD 4X6-INCH X 18-FT [EA]	638.2602 REMOVING SIGNS TYPE II [EA]	638.3000 REMOVING SMALL SIGN SUPPORTS [EA]	638.2102 MOVING SIGNS TYPE II [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS NEW SIGN LOCATION
132	R1-1(2S)	--	30 x 30	5.18	--	--	1	--	1	1	--	--	--
133	W3-3	--	-- x --	--	--	--	--	--	1	1	--	--	--
134	S1-1(2S)	--	36 x 36	--	--	6.75	--	1	1	1	--	--	--
135	S16-9P(2S)	--	30 x 18	--	--	3.75	--	--	--	--	--	--	--
136	R2-6P(2S)	--	24 x 18	3.00	--	--	--	--	--	--	--	--	--
137	R2-1(2S)	30 MPH	24 x 30	5.00	--	--	1	--	1	1	--	--	--
138	J4-1(2S)	--	24 x 36	6.00	--	--	--	1	--	--	--	--	--
	M3-3	--	24 x 12	--	--	--	--	--	--	--	--	--	--
	M1-6	STH 83	24 x 24	--	--	--	--	--	--	--	--	--	--
139	R7-1D(2S)	--	18 x 24	3.00	--	--	1	--	1	1	--	--	--
140	J2-1(2S)	--	24 x 57	9.50	--	--	--	1	1	1	--	--	--
	M3-1	--	24 x 12	--	--	--	--	--	--	--	--	--	--
	M1-6	STH 83	24 x 24	--	--	--	--	--	--	--	--	--	--
	M5-2L	--	21 x 21	--	--	--	--	--	--	--	--	--	--
141	S1-1(2S)	--	36 x 36	--	--	6.75	--	1	1	1	--	--	--
142	S16-9P(2S)	--	30 x 18	--	--	3.75	--	--	--	--	--	--	--
143	R2-6P(2S)	--	24 x 18	3.00	--	--	--	--	--	--	--	--	--
144	R1-1(2S)	--	30 x 30	5.18	--	--	1	--	1	1	--	--	--
145	S1-1(2S)	--	36 x 36	--	--	6.75	--	1	--	--	--	147	--
146	S16-7R(2S)	--	30 x 18	--	--	3.75	--	--	--	--	--	--	--
147	S1-1(2S)	--	36 x 36	--	--	6.75	--	--	1	1	--	145	--
148	S16-7L(2S)	--	30 x 18	--	--	3.75	--	--	--	--	--	--	--
149	J2-1(2S)	--	24 x 57	9.50	--	--	--	1	1	1	--	--	--
	M3-3	--	24 x 12	--	--	--	--	--	--	--	--	--	--
	M1-6	STH 83	24 x 24	--	--	--	--	--	--	--	--	--	--
	M6-2	--	21 x 21	--	--	--	--	--	--	--	--	--	--
150	S1-1(2S)	--	36 x 36	--	--	6.75	--	1	1	1	--	--	--
151	S16-9P(2S)	--	30 x 18	--	--	3.75	--	--	--	--	--	--	--
152	R2-6P(2S)	--	24 x 18	3.00	--	--	--	--	--	--	--	--	--
153	R2-1(2S)	25 MPH	24 x 30	5.00	--	--	1	--	--	--	--	--	--
154	R7-53D(2S)	--	18 x 24	3.00	--	--	1	--	--	--	--	--	--
155	R7-53D(2S)	--	18 x 24	3.00	--	--	1	--	--	--	--	--	--
156	J3-1(2S)	--	24 x 57	9.50	--	--	--	1	1	--	--	--	--
	M3-1	--	24 x 12	--	--	--	--	--	--	--	--	--	--
	M1-6	STH 83	24 x 24	--	--	--	--	--	--	--	--	--	--
	M6-2	--	21 x 21	--	--	--	--	--	--	--	--	--	--
157	R1-1(2S)	--	30 x 30	5.18	--	--	1	--	1	1	--	--	--
158	S1-1(2S)	--	36 x 36	--	--	6.75	--	1	--	--	--	160	--
159	S16-7R(2S)	--	30 x 18	--	--	3.75	--	--	--	--	--	--	--
160	S1-1(2S)	--	36 x 36	--	--	6.75	--	--	1	1	--	158	--
161	S16-7L(2S)	--	30 x 18	--	--	3.75	--	--	--	--	--	--	--
162	R1-1(2S)	--	30 x 30	5.18	--	--	1	--	1	1	--	--	--
163	WEIGHT RESTR	--	-- x --	--	--	--	--	--	--	--	1	164	--
164	R1-1(2S)	--	30 x 30	5.18	--	--	1	--	1	1	--	163	--
165	R2-1, PARKING	--	-- x --	--	--	--	--	--	1	1	--	--	--
166	J4-1(2S)	--	24 x 36	6.00	--	--	--	1	1	1	--	--	--
	M3-1	--	24 x 12	--	--	--	--	--	--	--	--	--	--
	M1-6	STH 83	24 x 24	--	--	--	--	--	--	--	--	--	--
167	J2-1(2S)	--	24 x 57	9.50	--	--	--	1	1	--	--	--	--
	M3-3	--	24 x 12	--	--	--	--	--	--	--	--	--	--

TYPE II PERMANENT SIGNING

CATEGORY CODE 0010

SIGN NO.	SIGN CODE	SIGN MESSAGE	TYPE II SIGN SIZE W [IN.] x H [IN.]	637.2210 SIGNS TYPE II REFLECTIVE H [SF]	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING [SF]	637.2230 SIGNS TYPE II REFLECTIVE F [SF]	634.0616 POSTS WOOD 4X6-INCH X 16-FT [EA]	634.0618 POSTS WOOD 4X6-INCH X 18-FT [EA]	638.2602 REMOVING SIGNS TYPE II [EA]	638.3000 REMOVING SMALL SIGN SUPPORTS [EA]	638.2102 MOVING SIGNS TYPE II [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS NEW SIGN LOCATION
	M1-6	STH 83	24 x 24	--	--	--	--	--	--	--	--	--	--
	M5-2R	--	21 x 21	--	--	--	--	--	--	--	--	--	--
168	R7-53D(2S)	--	18 x 24	3.00	--	--	1	--	1	1	--	--	--
169	R1-1(2S)	--	30 x 30	5.18	--	--	1	--	1	1	--	--	--
170	R7-53D(2S)	--	18 x 24	3.00	--	--	1	--	--	--	--	--	--
171	R7-53	--	-- x --	--	--	--	--	--	1	1	--	--	--
172	R7-53D(2S)	--	18 x 24	3.00	--	--	1	--	--	--	--	--	--
173	R7-53D(2S)	--	18 x 24	3.00	--	--	1	--	1	1	--	--	--
174	AUTO MUSEUM	--	-- x --	--	--	--	1	--	--	--	1	--	--
175	R7-53D(2S)	--	18 x 24	3.00	--	--	1	--	1	1	--	--	--
176	R7-53D(2S)	--	18 x 24	3.00	--	--	1	--	--	--	--	--	--
177	R7-53D(2S)	--	18 x 24	3.00	--	--	1	--	--	--	--	--	--
178	R2-1(2S)	25 MPH	24 x 30	5.00	--	--	1	--	1	1	--	--	--
179	R1-1(2S)	--	30 x 30	5.18	--	--	1	--	1	1	--	--	--
180	R7-53D(2S)	--	18 x 24	3.00	--	--	1	--	--	--	--	--	--
181	R7-53	--	-- x --	--	--	--	--	--	1	1	--	--	--
182	R7-53D(2S)	--	18 x 24	3.00	--	--	1	--	1	1	--	--	--
183	R1-1(2S)	--	30 x 30	5.18	--	--	1	--	1	1	--	--	--
184	R7-53D(2S)	--	18 x 24	3.00	--	--	1	--	--	--	--	--	--
185	R7-53	--	-- x --	--	--	--	--	--	1	1	--	--	--
186	R7-53D(2S)	--	18 x 24	3.00	--	--	1	--	--	--	--	--	--
187	R7-53D(2S)	--	18 x 24	3.00	--	--	1	--	1	1	--	--	--
188	R7-53D(2S)	--	18 x 24	3.00	--	--	1	--	--	--	--	--	--
189	R7-53D(2S)	--	18 x 24	3.00	--	--	1	--	--	--	--	--	--
190	R1-1(2S)	--	30 x 30	5.18	--	--	1	--	1	1	--	--	--
191	R7-53D(2S)	--	18 x 24	3.00	--	--	1	--	1	1	--	--	--
192	J4-1(2S)	--	24 x 36	6.00	--	--	--	1	--	--	--	--	--
	M3-1	--	24 x 12	--	--	--	--	--	--	--	--	--	--
	M1-6	STH 83	24 x 24	--	--	--	--	--	--	--	--	--	--
192A	W11-2	--	30 X 30	6.25	--	--	--	1	--	--	--	--	
192B	W16-7L	--	24 X 12	2.00	--	--	--	--	--	--	--	--	
192C	W11-2	--	30 X 30	6.25	--	--	--	1	--	--	--	--	
192D	W16-7L	--	24 X 12	2.00	--	--	--	--	--	--	--	--	
193	R7-53D(2S)	--	18 x 24	3.00	--	--	1	--	1	1	--	--	--
194	J4-1(2S)	--	24 x 36	6.00	--	--	--	1	--	--	--	--	--
	M3-3	--	24 x 12	--	--	--	--	--	--	--	--	--	--
	M1-6	STH 83	24 x 24	--	--	--	--	--	--	--	--	--	--
195	R1-1(2S)	--	30 x 30	5.18	--	--	1	--	1	1	--	--	--
196	R7-1R(2S0	--	18 x 24	3.00	--	--	1	--	1	1	--	--	--
197	J2-1(2S)	--	24 x 57	9.50	--	--	--	1	1	1	--	--	--
	M3-3	--	24 x 12	--	--	--	--	--	--	--	--	--	--
	M1-6	STH 83	24 x 24	--	--	--	--	--	--	--	--	--	--
	M5-2L	--	21 x 21	--	--	--	--	--	--	--	--	--	--
198	R1-1(2S)	--	30 x 30	5.18	--	--	1	--	1	1	--	--	--
199	R1-1(2S)	--	30 x 30	5.18	--	--	1	--	1	1	--	--	--
200	J1-1(2S)	--	24 x 39	6.50	--	--	--	1	1	--	--	--	--
	M2-1	--	21 x 15	--	--	--	--	--	--	--	--	--	--
	M1-6	STH 60	24 x 24	--	--	--	--	--	--	--	--	--	--
201	W3-3(2S)	--	36 x 36	--	--	9.00	--	1	--	--	--	--	--

TYPE II PERMANENT SIGNING

CATEGORY CODE 0010

SIGN NO.	SIGN CODE	SIGN MESSAGE	TYPE II SIGN SIZE W [IN.] x H [IN.]	637.2210 SIGNS TYPE II REFLECTIVE H [SF]	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING [SF]	637.2230 SIGNS TYPE II REFLECTIVE F [SF]	634.0616 POSTS WOOD 4X6-INCH X 16-FT [EA]	634.0618 POSTS WOOD 4X6-INCH X 18-FT [EA]	638.2602 REMOVING SIGNS TYPE II [EA]	638.3000 REMOVING SMALL SIGN SUPPORTS [EA]	638.2102 MOVING SIGNS TYPE II [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS NEW SIGN LOCATION
202	J2-2(2S)	--	48 x 57	19.00	--	--	--	1	--	--	--	--	--
	M3-4	--	24 x 12	--	--	--	--	--	--	--	--	--	--
	M1-6	STH 60	24 x 24	--	--	--	--	--	--	--	--	--	--
	M5-1L	--	21 x 21	--	--	--	--	--	--	--	--	--	--
	M3-2	--	24 x 12	--	--	--	--	--	--	--	--	--	--
	M1-6	STH 60	24 x 24	--	--	--	--	--	--	--	--	--	--
	M5-1R	--	21 x 21	--	--	--	--	--	--	--	--	--	--
203	J3-1(2S)	--	24 x 57	9.50	--	--	--	1	1	1	--	--	--
	M3-1	--	24 x 12	--	--	--	--	--	--	--	--	--	--
	M1-6	STH 83	24 x 24	--	--	--	--	--	--	--	--	--	--
	M6-1	--	21 x 21	--	--	--	--	--	--	--	--	--	--
204	PARKING REG	--	-- x --	--	--	--	1	--	--	--	1	--	--
205	PARKING REG	--	-- x --	--	--	--	1	--	--	--	1	--	--
206	J13-1	--	-- x --	--	--	--	--	--	1	1	--	--	--
207	R3-8A(2S)	--	36 x 30	7.50	--	--	1	--	1	1	--	--	--
208	J3-2(2S)	--	48 x 57	19.00	--	--	--	1	--	--	--	--	--
	M3-4	--	24 x 12	--	--	--	--	--	--	--	--	--	--
	M1-6	STH 60	24 x 24	--	--	--	--	--	--	--	--	--	--
	M6-1	--	21 x 21	--	--	--	--	--	--	--	--	--	--
	M3-2	--	24 x 12	--	--	--	--	--	--	--	--	--	--
	M1-6	STH 60	24 x 24	--	--	--	--	--	--	--	--	--	--
	M6-1	--	21 x 21	--	--	--	--	--	--	--	--	--	--
209	R7-1L(2S)	--	18 x 24	3.00	--	--	--	--	--	--	--	--	--
												--	--
	TOTALS			190.58	20.72	150.00	48	35	64	60	8	--	--

SHEET 4 OF 4

PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	MISCELLANEOUS QUANTITIES – PERMANENT SIGNING	SHEET: 158	E

3

TRAFFIC CONTROL

PROJECT I.D.	STAGE	STAGE DURATION	643.0300 TRAFFIC CONTROL DRUMS		643.0410 TRAFFIC CONTROL BARRICADES TYPE II		643.0420 TRAFFIC CONTROL BARRICADES TYPE III		643.0500 TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS	643.0600 TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER BASES	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A		643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C		643.0900 TRAFFIC CONTROL SIGNS		643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE II	643.1050 TRAFFIC CONTROL SIGNS PORTABLE CHANGEABLE MESSAGE SIGN	
		DAYS	EACH*	DAYS	EACH*	DAYS	EACH*	DAYS	EACH	EACH	EACH*	DAYS	EACH*	DAYS	EACH*	DAYS	EACH*	EACH*	DAYS
1330-24-70																			
	STAGE 1	101	135	13,635	44	4,444	24	2,424	---	---	58	5,858	---	---	80	8,080	---	4	56
	STAGE 1A	5	55	275	8	40	5	25	16	16	10	50	4	20	19	95	---	4	76
	STAGE 1B	22	71	1,562	14	308	9	198	54	54	23	506	20	440	57	1,254	---	---	---
	STAGE 1C	7	101	707	10	70	8	56	---	---	19	133	16	112	31	217	---	---	---
	STAGE 1D	14	63	882	10	140	8	112	51	51	19	266	18	252	31	434	---	---	---
	STAGE 2	55	40	2,200	12	660	8	440	---	---	22	1,210	---	---	30	1,650	---	---	---
	UNDISTRIBUTED			1,926		566		326	12	12		802		82		1,173	8		13
TOTAL (1330-24-70)				21,187		6,228		3,581	133	133		8,825		906		12,903	8		145

*EACH QUANTITY FOR INFORMATION ONLY

ALL ITEMS CATEGORY 0010 UNLESS NOTED OTHERWISE

TEMPORARY PAVEMENT MARKING

PROJECT I.D.	STAGE	646.0600 REMOVING PAVEMENT MARKINGS	647.0955 REMOVING PAVEMENT MARKINGS ARROWS	649.0400 TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH WHITE	649.0400 TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH YELLOW	649.0801 TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 8-INCH WHITE	649.1200 TEMPORARY PAVEMENT MARKING STOP LINE REMOVABLE TAPE 18-INCH	649.1800 TEMPORARY PAVEMENT MARKING ARROWS REMOVABLE TAPE
		LF	EACH	LF	LF	LF	LF	EACH
1330-24-70								
	STAGE 1A	400	---	534	750	225	46	4
	STAGE 1B	800	4	1,462	2,377	282	55	4
	STAGE 1C	1,000	---	248	2,703	190	105	5
	STAGE 1D	---	---	1,078	1,533	157	44	4
	UNDISTRIBUTED	220	0	332	736	85	25	2
TOTAL (1330-24-70)		2,200	4	11,753		939	275	19

ALL ITEMS CATEGORY 0010 UNLESS NOTED OTHERWISE

PAVEMENT MARKING

PROJECT I.D.	STAGE	ROADWAY	STATION	TO	STATION	646.0106 PAVEMENT MARKING EPOXY 4-INCH WHITE LF	646.0106 PAVEMENT MARKING EPOXY 4-INCH YELLOW LF	646.0841.S PAVEMENT MARKING GROOVED WET REFLECTIVE CONTRAST TAPE 4-INCH, WHITE LF	646.0843.S PAVEMENT MARKING GROOVED WET REFLECTIVE CONTRAST TAPE 8-INCH, WHITE LF	647.0456 PAVEMENT MARKING CURB EPOXY, YELLOW LF	647.0726 PAVEMENT MARKING DIAGONAL EPOXY 12-INCH, YELLOW LF	647.0856 PAVEMENT MARKING CONCRETE CORRUGATED MEDIAN EPOXY, YELLOW SF	SPV.0060.17 PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC ARROWS TYPE 2, WHITE EACH	SPV.0060.18 PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC WORDS, WHITE EACH	SPV.0090.04 PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC CROSSWALK 6-INCH, WHITE LF	SPV.0090.05 PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC STOP LINE 18-INCH, WHITE LF	SPV.0090.07 PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC 4-INCH, YELLOW LF
1330-24-70																	
	STAGE 1																
		STH 83	266+25	-	270+90	---	115	---	---	---	---	---	---	---	70	---	---
		LINCOLN AVE	50+25	-	51+11	---	---	---	---	---	---	---	---	---	137	31	---
		STH 83	271+44	-	275+91	---	107	---	---	---	---	---	---	---	225	---	---
		GRAND AVE	11+01	-	12+05	---	---	---	41	---	---	350	---	---	57	33	---
		WASHINGTON AVE	---	-	---	---	---	---	---	---	---	---	---	---	76	16	---
		STH 83	276+28	-	296+21	---	493	---	---	---	---	---	---	---	308	---	---
		CHURCH ST	---	-	---	---	---	---	---	---	---	---	---	---	---	12	---
		MAIN ST	10+00	-	11+33	---	149	---	36	---	---	350	---	---	64	27	---
		KOSSUTH ST	---	-	---	---	---	---	---	---	---	---	---	---	54	13	---
		STH 83	---	-	---	75	293	---	130	280	---	---	1	2	86	19	---
	STAGE 1 SUBTOTALS					75	1,157	---	207	280	---	700	1	2	1,077	151	---
	STAGE 1D																
		STH 83	250+58	-	255+37	718	---	94	94	---	37	---	1	1	101	28	913
		MONROE AVE	47+54	-	49+61	---	13	71	142	---	30	---	2	---	146	44	505
		MONROE AVE	50+50	-	52+81	---	13	95	190	---	30	---	2	2		48	536
	STAGE 1D SUBTOTALS					718	26	260	426	---	97	---	5	3	247	120	1,954
	STAGE 2																
		STH 83	256+57	-	262+16	---	56	---	120	---	55	---	1	1	165	28	920
		JEFFERSON AVE	---	-	---	---	---	---	---	---	---	---	---	---	140	32	---
		STH 83	262+68	-	266+25	---	88	---	---	---	---	---	---	---	71	---	---
	STAGE 2 SUBTOTALS					---	144	---	120	---	55	---	1	1	376	60	920
TOTAL (1330-24-70)						2,120		260	753	280	152	700	7	6	1,700	331	2,874

ALL ITEMS CATEGORY 0010 UNLESS NOTED OTHERWISE

CONSTRUCTION STAKING

PROJECT I.D.	ROADWAY	650.4000 CONSTRUCTION STAKING STORM SEWER EACH	650.4500 CONSTRUCTION STAKING SUBGRADE LF	650.5000 CONSTRUCTION STAKING BASE LF	650.5500 CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER LF	650.7000 CONSTRUCTION STAKING CONCRETE PAVEMENT LF	650.8500.01 CONSTRUCTION STAKING ELECTRICAL INSTALLATIONS (1330-24-70) LS	650.9910.01 CONSTRUCTION STAKING SUPPLEMENTAL CONTROL (1330-27-70) LS	650.9920 CONSTRUCTION STAKING SLOPE STAKES LF	SPV.0075.01 CONSTRUCTION STAKING SIDEWALK REST STRIPS AND TRANSITION RAMPS HR
1330-24-70	PROJECT	138	5,910	444	490	5,466	1	1	5,910	8
TOTAL (1330-24-70)		138	5,910	444	490	5,466	1	1	5,910	8

ALL ITEMS CATEGORY 0010 UNLESS NOTED OTHERWISE

SAWING PAVEMENT

PROJECT I.D.	STAGE	ROADWAY	STATION	-	STATION	LOCATION	690.0150 SAWING ASPHALT LF	690.0250 SAWING CONCRETE LF
1330-24-70								
	STAGE 1							
		STH 83	266+25	-	266+25	---	37	---
		STH 83	266+68	-	266+84	LT	---	16
		STH 83	268+56	-	268+74	LT	---	18
		STH 83	268+88	-	269+20	RT	35	---
		LINCOLN AVE	50+00	-	50+00	---	31	10
		LINCOLN AVE	51+35	-	51+65	RT	30	---
		LINCOLN AVE	51+98	-	52+27	RT	33	---
		LINCOLN AVE	52+58	-	52+88	RT	32	---
		LINCOLN AVE	52+92	-	52+92	---	37	10
		GRAND AVE	12+11	-	12+11	---	29	10
		STH 83	273+45	-	273+67	LT	22	---
		STH 83	275+62	-	275+71	RT	---	9
		WASHINGTON AVE	275+87	-	276+34	LT	31	10
		STH 83	277+25	-	277+36	RT	11	---
		STH 83	278+11	-	278+22	RT	11	---
		STH 83	279+43	-	279+52	RT	---	9
		STH 83	280+21	-	280+31	RT	10	---
		STH 83	280+24	-	280+37	LT	---	13
		STH 83	281+70	-	281+80	LT	---	10
		STH 83	282+30	-	282+39	LT	---	9
		LOOS ST	10+00	-	10+00	---	30	10
		LOOS ST	11+26	-	11+26	---	31	10
		STH 83	284+52	-	284+63	RT	12	---
		STH 83	286+09	-	286+20	RT	---	11
		STH 83	286+49	-	286+62	LT	---	12
		STH 83	287+14	-	287+34	LT	---	22
		STH 83	287+56	-	287+81	LT	---	32
		SOUTH ST	11+06	-	11+06	---	31	10
		STH 83	288+32	-	288+83	RT	---	73
		STH 83	292+39	-	292+57	LT	18	---
		STH 83	293+12		293+17	RT	---	5
		STH 83	293+22	-	293+42	RT	25	---
		STH 83	293+42	-	293+50	RT	---	9
		STH 83	293+50	-	297+86	RT	423	41
		STH 83	293+63	-	293+78	LT	15	---
		MAIN ST	10+00	-	10+00	---	35	10
		KOSSUTH ST	295+89	-	296+30	LT	27	20
		STH 83	296+30	-	297+22	LT	105	---
		STH 83	298+69	-	299+02	LT	---	47
		STH 83	298+72	-	299+02	RT	---	46
		STH 83	299+02	-	299+02	---	---	38
	STAGE 1 SUBTOTALS						1,101	520

SAWING PAVEMENT (CONTINUED)

PROJECT I.D.	STAGE	ROADWAY	STATION	-	STATION	LOCATION	690.0150 SAWING ASPHALT LF	690.0250 SAWING CONCRETE LF
1330-24-70								
	STAGE 1A							
		STH 83	250+99	-	255+76	RT	495	---
		MONROE AVE	47+54	-	49+83	LT	257	---
		MONROE AVE	50+15	-	52+81	LT	320	---
	STAGE 1A SUBTOTALS						1,072	---
	STAGE 1B							
		STH 83	251+85	-	256+05	---	578	---
		MONROE AVE	47+54	-	52+81	LT	526	---
	STAGE 1B SUBTOTALS						1,104	---
	STAGE 1C							
		STH 83	251+85	-	255+67	RT	397	---
		MONROE AVE	47+54	-	52+81	LT	526	---
	STAGE 1C SUBTOTALS						923	---
	STAGE 1D							
		STH 83	256+57	-	256+57	---	37	---
	STAGE 2							
		STH 83	256+46	-	262+09	RT	632	---
		STH 83	260+33	-	260+59	LT	26	---
		JEFFERSON AVE	262+11	-	262+73	RT	37	10
		JEFFERSON AVE	262+12	-	262+76	LT	37	10
		STH 83	263+74	-	265+96	LT	225	---
		STH 83	264+28	-	264+53	RT	25	---
		STH 83	265+11	-	265+73	RT	71	---
		STH 83	265+80	-	266+16	RT	35	---
	STAGE 2 SUBTOTALS						1,088	20
TOTAL (1330-24-70)							5,325	540

ALL ITEMS CATEGORY 0010 UNLESS NOTED OTHERWISE

3

BACKFILL SLURRY

PROJECT I.D.	STAGE	ROADWAY	SPV.0035.01 CY
1330-24-70			
	STAGE 1A-1D	STH 83	100
	STAGE 1A-1D	E MONROE AVE	540
TOTAL (1330-24-70)			640

ALL ITEMS CATEGORY 0010 UNLESS NOTED OTHERWISE

DECORATIVE BENCHES AND LITTER RECEPTACLES

PROJECT I.D.	ROADWAY	LOCATION	SPV.0060.20 DECORATIVE BENCH EACH	SPV.0060.21 LITTER RECEPTACLE EACH
1330-24-70				
	STH 83	298+00, LT	1	1
	STH 83	298+20, RT	1	1
TOTAL (1330-24-70)			2	2

ALL ITEMS CATEGORY 0020 UNLESS NOTED OTHERWISE

3

CONCRETE PAVEMENT JOINT LAYOUT

PROJECT I.D.	ROADWAY	SPV.0105.04 LS
1330-24-70	PROJECT	1
TOTAL (1330-24-70)		1

ALL ITEMS CATEGORY 0010 UNLESS NOTED OTHERWISE

MANAGEMENT OF SOLID WASTE

PROJECT I.D.	ROADWAY	STATION	SPV.0195.01 TON
1330-24-70			
	STH 83	255+15 - 255-30, 20' - 40' RT	38
	STH 83	297+00 - 298+00, 0' - 35' RT	575
TOTAL (1330-24-70)			613

ALL ITEMS CATEGORY 0010 UNLESS NOTED OTHERWISE

REMOVING ABANDONED SANITARY PIPE

PROJECT I.D.	ROADWAY	STATION	-	STATION	LOCATION	SPV.0060.19 SANITARY PLUGS EACH	SPV.0090.06 REMOVING SANITARY PIPE LF
1330-24-70							
	STH 83	293+04	-	293+24	LT	2	20
TOTAL (1330-24-70)						2	20

ALL ITEMS CATEGORY 0010 UNLESS NOTED OTHERWISE

STREET LIGHTING & TRAFFIC SIGNAL
MISCELLANEOUS QUANITIES PREPARED BY

5-1-15
(DATE) (SIGNATURE)

3

LIGHTING CONDUIT AND WIRE

CATEGORY	LOCATION	FROM		TO	652.0225* CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	655.0625 ELECTRICAL WIRE LIGHTING 6 AWG LF	COMMENTS
0010	STH 83: CHURCH ST - STH 60						
		EXSL	-	SL110	46	406	--
		SL110	-	SL108	44	392	--
		SL108	-	SL106	59	497	--
		SL106	-	SL104	80	644	--
		SL104	-	LPB104	15	189	--
		LPB104	-	SL102	58	490	--
		SL102	-	SL100	75	435	--
		SL100	-	LPB102	65	--	PULLWIRE ONLY
		LPB102	-	LPB101	42	--	PULLWIRE ONLY
		LPB104	-	LPB103	49	--	PULLWIRE ONLY
		EXSL	-	SL111	44	392	--
		SL111	-	SL109	66	546	--
		SL109	-	SL107	70	574	--
		SL107	-	LPB103	68	560	--
		LPB103	-	SL105	13	175	--
		SL105	-	SL103	75	609	--
		SL103	-	SL101	66	390	--
		SL101	-	LPB100	153	--	PULLWIRE ONLY
	TOTALS				1,088	6,299	

*ADDITIONAL QUANTITIES LOCATED IN TABLE "TRAFFIC SIGNAL CONDUIT"

LIGHTING PULLBOXES

CATEGORY	LOCATION	PULLBOX NUMBER	STATION	OFFSET	R/L	653.01408* PULLBOXES STEEL 24X42-INCH EA
0010	STH 83: CHURCH ST - STH 60					
		LPB100	293+11	23.4'	R	1
		LPB101	294+49	55.2'	L	1
		LPB102	294+71	90.4'	L	1
		LPB103	296+27	22.8'	R	1
		LPB104	296+32	25.7'	L	1
	TOTALS					**5**

*ADDITIONAL QUANTITIES LOCATED IN TABLE "TRAFFIC SIGNAL PULLBOXES"

STREET LIGHTS

CATEGORY	LOCATION	LIGHT NUMBER	STATION	OFFSET	R/L	204.0195* REMOVING CONCRETE BASES EACH	655.0610** ELECTRICAL WIRE LIGHTING 12 AWG LF	SPV.0060.01 DECORATIVE LIGHT BASE EA	SPV.0060.02 REINSTALL DECORATIVE STREET LIGHTING EA
0010	STH 83: CHURCH ST - STH 60								
		SL100	295+17	57.6'	L	1	96	1	1
		SL101	294+64	22.7'	R	1	96	1	1
		SL102	295+79	33.4'	L	1	96	1	1
		SL103	295+33	21.4'	R	1	96	1	1
		SL104	296+46	23.7'	L	1	96	1	1
		SL105	296+13	21.0'	R	1	96	1	1
		SL106	297+25	23.0'	L	1	96	1	1
		SL107	296+97	24.9	R	1	96	1	1
		SL108	297+84	23.1'	L	1	96	1	1
		SL109	297+69	25.0'	R	1	96	1	1
		SL110	298+27	23.0'	L	1	96	1	1
		SL111	298+33	25.0'	R	1	96	1	1
	TOTALS					12	1,152	12	12

*ADDITIONAL QUANTITIES LOCATED IN TABLE "TRAFFIC SIGNAL REMOVALS"
**ADDITIONAL QUANTITIES LOCATED IN TABLE "TRAFFIC SIGNAL CABLE & WIRE -ABOVE GROUND"

STREET LIGHTING & TRAFFIC SIGNAL
MISCELLANEOUS QUANITIES PREPARED BY

5-1-15
(DATE) (SIGNATURE)

TRAFFIC SIGNAL REMOVALS

CATEGORY	LOCATION / ITEM NUMBER	STATION	L/R	204.0195* REMOVING CONCRETE BASES EA	653.0905 REMOVING PULL BOXES EA
0010	STH 83 & E MONROE AVE				
	CB1	255+52	R	1	1
	PB1	255+55	R	--	1
	PB2	255+35	R	--	1
	PB3	252+97	R	--	1
	PB4	255+35	L	--	1
	PB5	255+65	L	--	1
	PB6	255+64	L	--	1
	PB7	256+26	L	--	1
	PB8	256+57	L	--	1
	PB9	258+96	L	--	1
	PB10	256+65	R	--	1
	PB11	256+34	R	--	1
	PB12	256+33	R	--	1
	PB13	256+35	R	--	1
	PB14	255+75	R	--	1
	SB1	256+33	R	1	--
	SB2	255+74	R	1	--
	SB3	255+37	R	1	--
	SB4	255+38	L	1	--
	SB5	255+64	L	1	--
	SB6	256+26	L	1	--
	SB7	256+60	L	1	--
	SB8	256+59	R	1	--
	TOTALS			**9**	**15**

*ADDITIONAL QUANTITIES LOCATED IN TABLE "STREET LIGHTS"

STH 83 & E MONROE AVENUE
WASHINGTON COUNTY
CATEGORY 0010

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TRAFFIC SIGNAL PULLBOXES

CATEGORY	LOCATION / PULL BOX NUMBER	STATION	OFFSET	L/R	653.0135 PULL BOXES STEEL 24X36-INCH EA	653.0140* PULL BOXES STEEL 24X42-INCH EA
0010	STH 83 & E MONROE AVENUE					
	PB1	255+21	32.9'	R	--	1
	PB2	254+98	32.7'	R	1	--
	PB3	253+00	23.1'	R	1	--
	PB4	255+20	22.5'	L	--	1
	PB5	255+58	55.4'	L	--	1
	PB6	256+29	56.5'	L	--	1
	PB7	256+82	21.0'	L	--	1
	PB8	257+03	21.3'	L	1	--
	PB9	259+04	24.1'	L	1	--
	PB10	256+83	33.9'	R	--	1
	PB11	256+42	65.5'	R	--	1
	PB12	255+70	66.6'	R	--	1
	PB13	255+70	229.6	L	1	--
	PB14	256+35	239.4	R	1	--
	TOTALS				6	8

*ADDITIONAL QUANTITIES LOCATED IN TABLE "LIGHTING PULLBOXES"

TRAFFIC SIGNAL CONDUIT

CATEGORY	LOCATION	FROM	-	TO	652.0225* CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	652.0235 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH LF	COMMENTS
0010	STH 83 & E MONROE AVENUE						
		CB1	-	PB1	--	114	3-3"
		PB1	-	SB1	7	--	--
		PB1	-	PB2	23	--	--
		PB2	-	PB3	199	--	--
		PB1	-	PB4	--	110	2-3"
		PB4	-	SB2	9	--	--
		PB4	-	PB5	--	100	2-3"
		PB5	-	SB3	11	--	--
		PB5	-	PB13	175	--	--
		PB5	-	PB6	--	142	2-3"
		PB6	-	SB4	11	--	--
		PB6	-	PB7	--	132	2-3"
		PB7	-	SB5	6	--	--
		PB7	-	PB8	21	--	--
		PB8	-	PB9	201	--	--
		PB7	-	PB10	--	110	2-3"
		PB10	-	SB6	7	--	--
		PB10	-	PB11	--	110	2-3"
		PB11	-	SB7	10	--	--
		PB11	-	PB14	175	--	--
		PB11	-	PB12	--	144	2-3"
		PB12	-	SB8	11	--	--
		PB12	-	CB1	--	66	3-3"
	TOTALS				866	1,028	

* ADDITIONAL QUANTITIES LOCATED IN TABLE "LIGHTING CONDUIT & WIRE"

STREET LIGHTING & TRAFFIC SIGNAL
MISCELLANEOUS QUANITIES PREPARED BY

5-1-15
(DATE) (SIGNATURE)

STH 83 & E MONROE AVENUE
WASHINGTON COUNTY
CATEGORY 0010

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TRAFFIC SIGNAL LOOP DETECTORS

CATEGORY	LOOP NO.	*STATION	OFFSET	L/R	SIZE FT	X	FT	NO. OF TURNS	INSTALLATION METHOD	652.0800 CONDUIT LOOP DETECTOR LF	655.0700** LOOP DETECTOR LEAD IN CABLE LF	655.0800 LOOP DETECTOR WIRE LF
0010	STH 83 & E MONROE AVENUE											
	11	254+88	6.0'	R	6	X	20	3	A	100	86	300
	12	255+16	6.0'	R	6	X	20	3	A	96	86	288
	21	259+04	6.0'	L	6	X	6	4	A	50	495	200
	31	50+48	2.5'	R	6	X	20	3	A	132	34	396
	32	50+20	2.5'	R	6	X	20	3	A	104	34	312
	41	255+88	229.6'	L	6	X	15	4	A	60	367	240
	42	255+88	74.5'	L	6	X	20	3	A	114	180	342
	43	255+88	46.5'	L	6	X	20	3	A	106	180	318
	44	49+13	2.5'	L	6	X	20	3	A	130	263	390
	45	49+41	2.5'	L	6	X	20	3	A	102	263	306
	51	257+17	6.0'	R	6	X	20	3	A	104	282	312
	52	256+89	6.0'	R	6	X	20	3	A	98	282	294
	61	253+01	8.0'	R	6	X	6	6	A	46	297	276
	81	256+13	239.5'	R	6	X	15	3	A	68	306	204
	82	256+11	84.5'	R	6	X	20	3	A	116	131	348
	83	256+11	56.5'	R	6	X	20	3	A	108	131	324
									TOTALS	1,534	3,417	4,850

A = SDD: LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
* LOCATION IS TO THE FRONT CENTER OF DETECTOR LOOP & FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD.
**ADDITIONAL QUANTITIES LOCATED IN TABLE "TRAFFIC SIGNAL CABLE & WIRE - ABOVE GROUND

TRAFFIC SIGNAL CABLE AND WIRE - BELOW GROUND

CATEGORY	LOCATION	FROM - TO	655.0260 CABLE TRAFFIC 12-14 AWG LF	655.0270 CABLE TRAFFIC SIGNAL 15-14 AWG LF	655.0320 CABLE TYPE UF 2-10 GROUNDED LF	655.0515 ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG LF
0010	STH 83 & E MONROE AVENUE					
		CB1 - SB1	--	68	--	--
		CB1 - SB2	135	--	--	--
		CB1 - SB3	--	201	--	--
		CB1 - SB4	284	--	--	--
		CB1 - SB5	--	275	--	--
		CB1 - SB6	200	--	--	--
		CB1 - SB7	139	--	--	--
		CB1 - SB8	55	--	--	--
		CB1 - SB1	68	--	--	--
		SB1 - SB2	--	--	--	99
		SB2 - SB3	--	--	--	98
		SB3 - SB4	--	--	--	122
		SB4 - SB5	--	--	--	112
		SB5 - SB6	--	--	--	98
		SB6 - SB7	--	--	--	98
		SB7 - SB8	--	--	--	122
		SB8 - CB1	--	--	--	53
		PB1 - SB1	--	--	--	16
		PB4 - SB2	--	--	--	16
		PB5 - SB3	--	--	--	19
		PB6 - SB4	--	--	--	19
		PB7 - SB5	--	--	--	15
		PB10 - SB6	--	--	--	16
		PB11 - SB7	--	--	--	18
		PB12 - SB8	--	--	--	19
		CB1 - SB8	--	--	55	--
		SB8 - SB6	--	--	185	--
		SB6 - SB4	--	--	182	--
		SB4 - SB2	--	--	183	--
	TOTALS		881	544	605	940

TRAFFIC SIGNAL CABLE AND WIRE - ABOVE GROUND

CATEGORY	LOCATION	FROM SIGNAL BASE - TO SIGNAL HEAD	655.0230 CABLE TRAFFIC SIGNAL 5-14 AWG LF	655.0240 CABLE TRAFFIC SIGNAL 7-14 AWG LF	655.0610* ELECTRICAL WIRE LIGHTING 12 AWG LF	655.0700** LOOP DETECTOR LEAD IN CABLE LF
0010	STH 83 & E MONROE AVENUE					
		SB1 - 1	20	--	--	--
		6	--	20	--	--
		PED BUTTON	--	--	--	6
		SB2 - 5	--	45	123	--
		PED BUTTON	--	--	--	6
		SB3 - 8	--	20	--	--
		10	20	--	--	--
		PED BUTTON	--	--	--	6
		SB4 - 9	--	45	123	--
		PED BUTTON	--	--	--	6
		SB5 - 2	--	20	--	--
		4	20	--	--	--
		PED BUTTON	--	--	--	6
		SB6 - 3	--	45	123	--
		PED BUTTON	--	--	--	6
		SB7 - 7	20	--	--	--
		11	20	--	--	--
		PED BUTTON	--	--	--	6
		SB8 12	45	--	123	--
		PED BUTTON	--	--	--	6
	TOTALS		145	195	492	48

* ADDITIONAL QUANTITIES LOCATED IN TABLE "STREET LIGHTS"
** ADDITIONAL QUANTITIES LOCATED IN TABLE "TRAFFIC SIGNAL LOOP DETECTORS"

STREET LIGHTING & TRAFFIC SIGNAL
MISCELLANEOUS QUANITIES PREPARED BY

WISCONSIN
MIKE D. SCARMON
E-37613
EVANSVILLE, WI
PROFESSIONAL ENGINEER

5-1-15
(DATE) (SIGNATURE)

STH 83 & E MONROE AVENUE
WASHINGTON COUNTY
CATEGORY 0010

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TRAFFIC SIGNAL STRUCTURES

CATEGORY	LOCATION / BASE NUMBER	STATION	OFFSET	L/R	654.0101 CONCRETE BASES TYPE 1 EACH	654.0102 CONCRETE BASES TYPE 2 EACH	657.0100 PEDESTAL BASES EACH	657.0255 TRANSFORMER BASES BREAKAWAY 11 1/2-INCH BOLT CIRCLE EACH	657.0310 POLES TYPE 3 EACH	657.0425 TRAFFIC SIGNAL STANDARDS ALUMINUM 15-FT EACH	657.0595 TROMBONE ARMS 25-FT EACH	657.0614 LUMINAIRE ARMS SINGLE MEMBER 4-INCH CLAMP 8-FT EACH	658.0500 PEDESTRIAN PUSH BUTTONS EACH	659.1125 LUMINAIRES UTILITY LED C EACH
0010	STH 83 & E MONROE AVENUE													
	SB1	255+27.9	34.6'	R	1	--	1	--	--	1	--	--	1	--
	SB2	255+27.9	26.8'	L	--	1	--	1	1	--	1	1	1	1
	SB3	255+51.9	47.0'	L	1	--	1	--	--	1	--	--	1	--
	SB4	256+34.1	47.0'	L	--	1	--	1	1	--	1	1	1	1
	SB5	256+76.6	22.6'	L	1	--	1	--	--	1	--	--	1	--
	SB6	256+76.6	36.9'	R	--	1	--	1	1	--	1	1	1	1
	SB7	256+48.5	57.4'	R	1	--	1	--	--	1	--	--	1	--
	SB8	255+64.8	57.8'	R	--	1	--	1	1	--	1	1	1	1
	TOTALS				4	4	4	4	4	4	4	4	8	4

TRAFFIC SIGNAL HEADS

CATEGORY	LOCATION	SIGNAL BASE NO.	HEAD NO.	658.0110 TRAFFIC SIGNAL FACE 3-12 INCH VERTICAL EACH	658.0120 TRAFFIC SIGNAL FACE 5-12 INCH VERTICAL EACH	658.0155 TRAFFIC SIGNAL FACE 3-12 INCH HORIZONTAL EACH	658.0165 TRAFFIC SIGNAL FACE 5-12 INCH HORIZONTAL EACH	658.0600 LED MODULES 12-INCH RED BALL EACH	658.0605 LED MODULES 12-INCH YELLOW BALL EACH	658.0610 LED MODULES 12-INCH GREEN BALL EACH	658.0620 LED MODULES 12-INCH YELLOW ARROW EACH	658.0625 LED MODULES 12-INCH GREEN ARROW EACH	658.0215 BACK PLATES SIGNAL FACE 3-12 INCH EACH	658.0225 BACK PLATES SIGNAL FACE 5-12 INCH EACH	658.0416 PEDESTRIAN SIGNAL FACE 16-INCH EACH	658.0635 LED MODULES PEDESTRIAN COUNTDOWN TIMER 16-INCH EACH
0010	STH 83 & E MONROE AVENUE															
		SB1	1	1	--	--	--	1	1	1	--	--	1	--	--	--
		SB5	2	--	1	--	--	1	1	1	1	1	--	1	--	--
		SB6	3	--	--	1	--	1	1	1	1	1	--	1	--	--
		SB5	4	1	--	--	--	1	1	1	--	--	1	--	--	--
		SB2	5	--	--	--	1	1	1	1	1	1	--	1	--	--
		SB1	6	--	1	--	--	1	1	1	1	1	--	1	--	--
		SB7	7	1	--	--	--	1	1	1	--	--	1	--	--	--
		SB3	8	--	1	--	--	1	1	1	1	1	--	1	--	--
		SB4	9	--	--	--	1	1	1	1	1	1	--	1	--	--
		SB3	10	1	--	--	--	1	1	1	--	--	1	--	--	--
		SB7	11	1	--	--	--	1	1	1	--	--	1	--	--	--
		SB8	12	--	--	1	--	1	1	1	--	--	1	--	--	--
		SB1	13	--	--	--	--	--	--	--	--	--	--	--	1	1
		SB2	14	--	--	--	--	--	--	--	--	--	--	--	1	1
		SB3	15	--	--	--	--	--	--	--	--	--	--	--	1	1
		SB4	16	--	--	--	--	--	--	--	--	--	--	--	1	1
		SB5	17	--	--	--	--	--	--	--	--	--	--	--	1	1
		SB6	18	--	--	--	--	--	--	--	--	--	--	--	1	1
		SB7	19	--	--	--	--	--	--	--	--	--	--	--	1	1
		SB8	20	--	--	--	--	--	--	--	--	--	--	--	1	1
	TOTALS			5	3	2	2	12	12	12	6	6	6	6	8	8

STREET LIGHTING & TRAFFIC SIGNAL
MISCELLANEOUS QUANITIES PREPARED BY

5-1-15
(DATE) (SIGNATURE)

STH 83 & E MONROE AVENUE
WASHINGTON COUNTY
CATEGORY 0010

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TRAFFIC SIGNAL CONTROL CABINETS

CATEGORY	LOCATION	STATION	OFFSET	L/R	654.0217 CONCRETE CONTROL CABINET BASES TYPE 9 SPECIAL EACH	656.0200.01 ELECTRICAL SERVICE METER BREAKER PEDESTAL (STH 83 & E MONROE AVE) LS	658.5069.01 SIGNAL MOUNTING HARDWARE (STH 83 & E MONROE AVE) LS
0010	STH 83 & E MONROE AVENUE				--	1	1
	CB1	255+52	54.8'	R	1	--	--
			TOTALS		1	1	1

INSTALL STATE FURNISHED TRAFFIC SIGNAL CABINET

CATEGORY	LOCATION	STATION	OFFSET	L/R	SPV.0105.03 INSTALL STATE FURNISHED TRAFFIC SIGNAL CABINET (STH 83 & E MONROE AVE) LS
0010	STH 83 & E MONROE AVENUE				1
	CB1	255+52	54.8'	R	--
			TOTALS		1

STATE FURNISHED MATERIALS SUMMARY

EACH	DESCRIPTION
1	TRAFFIC SIGNAL CONTROLLER, FULLY ACTUATED, 8 PHASE
1	TRAFFIC SIGNAL CABINET

REMOVE LOOP DETECTION WIRE AND LEAD-IN CABLE

CATEGORY	LOCATION	SPV.0105.02 REMOVE LOOP DETECTION WIRE & LEAD-IN CABLE L.S.
0010	STH 83 & E MONROE AVENUE	1
	TOTALS	1

REMOVE TRAFFIC SIGNALS

CATEGORY	LOCATION	SPV.0105.01 REMOVE TRAFFIC SIGNAL L.S.
0010	STH 83 & E MONROE AVENUE	1
	TOTALS	1

SANITARY SEWER MANHOLE 48-INCH DIA ITEMS

PROJECT I.D.	ROADWAY	STRUCTURE NUMBER	TO	STA	OFFSET FT		RIM OR FLANGE ELEV	LOWEST INVERT ELEV	STR DEPTH FT	SPV.0060.11 SANITARY SEWER MANHOLE 48-INCH DIA EA
1330-24-71										
	STH 83	02-0395		271+91.40	14.24	RT	998.92	991.01	7.91	1
TOTAL (1330-24-71)										1

ALL ITEMS CATEGORY 0010 UNLESS NOTED OTHERWISE

ADJUSTING SANITARY MANHOLE ITEMS

PROJECT I.D.	ROADWAY	STRUCTURE NUMBER	STA	OFFSET FT		EXISTING RIM ELEV	PROP RIM ELEV	SPV.0060.16 ADJUSTING SANITARY MANHOLE EA
1330-24-71								
	E MONROE AVE		50+14.50	11.41	LT	1009.18	1009.15	1
	STH 83	02-0424	260+70.87	13.03	RT	1007.89	1007.78	1
	STH 83	02-0423	262+41.27	13.80	RT	1010.44	1010.31	1
	STH 83	02-0422	266+41.32	15.50	RT	1009.52	1009.64	1
	STH 83	02-0421	268+23.97	15.22	RT	1002.96	1002.97	1
	STH 83	02-0420	271+02.47	13.21	RT	999.04	999.07	1
	STH 83	02-0419	271+25.15	0.10	RT	999.28	999.22	1
	E LINCOLN AVE	03-1352	51+34.33	15.09	LT	997.36	997.86	1
	STH 83	02-0395	271+91.40	14.24	RT	998.92	998.77	1
	STH 83	02-0394	276+08.98	0.29	RT	1005.65	1005.65	1
	STH 83	02-0393	278+09.10	1.12	RT	1010.47	1010.35	1
	STH 83	02-0392	280+54.92	0.37	RT	1012.16	1012.07	1
	STH 83	02-0391	283+80.03	0.39	RT	1009.61	1009.63	1
	STH 83	02-0390	287+36.47	0.00		1008.81	1008.73	1
	STH 83	02-0389	290+13.61	2.28	RT	1010.08	1010.23	1
	STH 83	02-0388	290+94.50	0.80	RT	1009.65	1009.58	1
	STH 83	02-0387	293+64.70	0.29	LT	1000.82	1000.92	1
	STH 83	02-0386	295+69.20	13.98	LT	989.07	989.28	1
	STH 83	02-1826	296+01.88	5.57	LT	987.78	987.63	1
TOTAL (1330-24-71)								19

ALL ITEMS CATEGORY 0010 UNLESS NOTED OTHERWISE

SANITARY SEWER MAIN PVC 8-INCH ITEMS

PROJECT I.D.	ROADWAY	PIPE NUMBER	FROM STA	OFFSET FT		TO STA	OFFSET FT		ACTUAL LENGTH FT	SLOPE	SPV.0090.03 SANITARY SEWER MAIN PVC 8-INCH LF
1330-24-71											
	STH 83	20	261+46.37	13.37	RT	261+51.37	13.40	RT	5.00	0.20%	5
	STH 83	21	265+04.76	14.98	RT	265+19.76	14.98	RT	15.00	0.42%	15
	STH 83	22	266+95.81	15.41	RT	267+00.81	15.41	RT	5.00	0.40%	5
	STH 83	23	271+15.98	5.09	RT	271+20.31	2.68	RT	5.00	17.84%	6
	STH 83	24	270+91.40	14.24	RT	276+08.98	0.29	RT	420.31	1.13%	425
TOTAL (1330-24-71)											456

ALL ITEMS CATEGORY 0010 UNLESS NOTED OTHERWISE

ABANDON SANITARY SEWER ITEMS

PROJECT I.D.	ROADWAY	LOCAL ROAD NAME	FROM STRUCTURE NUMBER	FROM STA	OFFSET FT		TO STA	SPV.0105.05 SANITARY SEWER ABANDONMENT LS
1330-24-71								
	STH 83	BRANCH ST	02-0288	290+94.50	0.80	RT	293+64.70	1
TOTAL (1330-24-71)								1

ALL ITEMS CATEGORY 0010 UNLESS NOTED OTHERWISE

ADJUSTING WATER VALVE BOX ITEMS

PROJECT I.D.	ROADWAY	STA	OFFSET FT	EXISTING RIM ELEV	PROP RIM ELEV	SPV.0060.03 ADJUSTING WATER VALVE BOX EA
1330-24-71						
	STH 83					27
TOTAL (1330-24-71)						27

ALL ITEMS CATEGORY 0010 UNLESS NOTED OTHERWISE

ADJUSTING WATER MANHOLE ITEMS

PROJECT I.D.	ROADWAY	STA	OFFSET FT	EXISTING RIM ELEV	PROP RIM ELEV	SPV.0060.04 ADJUSTING WATER MANHOLE EA
1330-24-71						
	STH 83					13
TOTAL (1330-24-71)						13

ALL ITEMS CATEGORY 0010 UNLESS NOTED OTHERWISE

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GATE VALVE AND VALVE BOX ITEMS

PROJECT I.D.	ROADWAY	STATION	OFFSET	FT	SPV.0060.05 10-INCH EA	SPV.0060.06 8-INCH EA
1330-24-71						
	E MONROE AVE	48+55.15	16.57	LT	1	
	E MONROE AVE	49+40.20	17.23	LT	1	
	E MONROE AVE	50+69.29	9.2	RT	1	
	JEFERSON AVENUE	10+15.94	11.99	LT		1
	STH 83	256+30.69	10.54	LT	1	
	STH 83	262+08.31	8.23	LT	1	
	STH 83	262+80.38	8.41	LT	1	
	STH 83	266+90.14	5.20	LT	1	
	STH 83	270+34.25	6.81	LT	1	
	E LINCOLN AVE	50+35.14	7.40	RT		1
	E LINCOLN AVE	51+06.93	2.27	RT		1
	STH 83	271+92.98	6.68	RT	1	
	E WASHINGTON AVE	62+70.36	8.78	LT		1
	E LOOS ST	11+16.33	7.26	RT		1
	CHURCH STREET	10+17.59	8.12	LT		1
TOTAL (1330-24-71)					9	6

ALL ITEMS CATEGORY 0010 UNLESS NOTED OTHERWISE

REMOVE, SALVAGE, AND RELOCATE HYDRANT ITEMS

PROJECT I.D.	ROADWAY	STATION	OFFSET	FT	SPV.0060.07 REMOVE HYDRANT EA
1330-24-71					
	STH 83	266+96.09	5.36	LT	1
	STH 83	270+38.01	6.73	LT	1
TOTAL (1330-24-71)					2

ALL ITEMS CATEGORY 0010 UNLESS NOTED OTHERWISE

HYDRANT ASSEMBLY ITEMS

PROJECT I.D.	ROADWAY	STATION	OFFSET	FT	SPV.0060.08 HYDRANT ASSEMBLY EA
1330-24-71					
	W MONROE AVE	49+32.74	17.17	LT	1
	STH 83	270+38.01	6.73	LT	1
TOTAL (1330-24-71)					2

ALL ITEMS CATEGORY 0010 UNLESS NOTED OTHERWISE

WATER SERVICE CORPORATION ITEMS

PROJECT I.D.	ROADWAY	STATION	OFFSET	FT	SPV.0060.09 WATER SERVICE CORPORATION EA
1330-24-71					
	STH 83	260+77.47	8.23	LT	1
	STH 83	264+06.18	8.53	LT	1
	STH 83	265+07.22	8.62	LT	1
	STH 83	265+12.82	8.63	LT	1
	STH 83	266+81.94	5.55	LT	1
	STH 83	268+16.44	5.88	LT	1
	E WASHINGTON AVE	62+28.25	11.38	LT	1
TOTAL (1330-24-71)					7

ALL ITEMS CATEGORY 0010 UNLESS NOTED OTHERWISE

CURB STOP VALVE AND BOX ITEMS

PROJECT I.D.	ROADWAY	STATION	OFFSET	FT	SPV.0060.10 CURB STOP VALVE & BOX EA
1330-24-71					
	W MONROE AVE	48+55.15	16.58	LT	1
	STH 83	260+77.47	8.23	LT	1
	STH 83	264+06.18	8.53	LT	1
	STH 83	265+07.22	8.62	LT	1
	STH 83	265+12.82	8.63	LT	1
	STH 83	266+81.94	5.55	LT	1
	STH 83	268+16.44	5.88	LT	1
	E WASHINGTON AVE	62+28.25	11.38	LT	1
TOTAL (1330-24-71)					8

ALL ITEMS CATEGORY 0010 UNLESS NOTED OTHERWISE

WATER SERVICE ITEMS

PROJECT I.D.	ROADWAY	STATION	OFFSET	FT	SPV.0060.12 2-INCH EA	SPV.0060.13 1 1/4-INCH EA	SPV.0060.14 1-INCH EA	SPV.0060.15 3/4-INCH EA
1330-24-71								
	STH 83	260+77.47	8.23	LT	1			
	STH 83	264+06.18	8.53	LT			1	
	STH 83	265+07.22	8.62	LT		1		
	STH 83	265+12.82	8.63	LT				1
	STH 83	266+81.94	5.55	LT				1
	STH 83	268+16.44	5.88	LT				1
	E WASHINGTON AVE	62+28.25	11.38	LT				1
TOTAL (1330-24-71)					1	1	1	4

ALL ITEMS CATEGORY 0010 UNLESS NOTED OTHERWISE

WATER MAIN DUCTILE IRON ITEMS

PROJECT I.D.	ROADWAY	PIPE NUMBER	TO	SIZE	START STA	START OFFSET	START FT	END STA	END OFFSET	END FT	PLAN LENGTH FT	SLOPE	SPV.0090.01 WATER MAIN DUCTILE IRON 10-INCH LF	SPV.0090.02 WATER MAIN DUCTILE IRON 8-INCH LF
1330-24-71														
	E MONROE AVE	100		10	47+49.99	11.77	LT	47+53.87	15.80	LT	5.59	1.05%	6	
	E MONROE AVE	101		10	47+53.87	15.80	LT	48+55.15	16.57	LT	101.28	1.51%	103	
	E MONROE AVE	102		10	48+55.15	16.57	LT	49+32.74	17.17	LT	77.59	1.51%	79	
	E MONROE AVE	103		10	49+32.74	17.17	LT	49+40.20	17.23	LT	7.46	7.89%	9	
	E MONROE AVE	104		10	49+40.20	17.23	LT	49+57.20	17.36	LT	17.00	0.00%	17	
	E MONROE AVE	105		10	49+57.20	17.36	LT	49+74.30	4.88	RT	28.05	0.00%	29	
	E MONROE AVE	106		10	49+74.30	4.88	RT	49+90.05	4.81	RT	15.75	0.00%	16	
	E MONROE AVE	107		10	49+90.05	9.66	RT	49+97.49	9.65	RT	7.44	0.00%	8	
	E MONROE AVE	108		10	49+97.49	9.65	RT	50+05.49	9.64	RT	8.00	53.75%	13	
	E MONROE AVE	109		10	50+05.49	9.64	RT	50+12.49	9.64	RT	7.00	0.00%	7	
	E MONROE AVE	110		10	50+12.49	9.64	RT	50+20.49	9.63	RT	8.00	70.51%	14	
	E MONROE AVE	111		10	50+20.49	9.63	RT	50+46.30	9.04	RT	25.81	0.11%	26	
	E MONROE AVE	112		10	50+46.30	9.04	RT	50+69.29	9.20	RT	23.00	0.02%	24	
	E MONROE AVE	113		10	50+46.28	13.41	RT	50+46.30	9.04	RT	4.37	0.10%	5	
	E MONROE AVE	114		10	50+69.29	9.20	RT	51+00.13	9.42	RT	30.84	0.23%	31	
	E MONROE AVE	115		10	51+00.13	9.42	RT	52+83.11	10.71	RT	182.98	0.91%	185	
	E MONROE AVE	116		10	52+83.11	10.71	RT	52+84.88	9.00	RT	2.46	0.53%	3	
	STH 83	117		10	255+92.29	9.94	LT	256+25.08	10.54	LT	32.80	0.56%	33	
	STH 83	118		10	256+25.08	10.54	LT	257+34.00	9.91	LT	108.92	0.56%	110	
	STH 83	119		10	257+34.00	9.91	LT	258+75.00	9.04	LT	141.00	0.06%	142	
	STH 83	120		10	258+75.00	9.04	LT	260+00.00	8.28	LT	125.00	0.01%	126	
	STH 83	121		10	260+00.00	8.28	LT	260+77.47	7.81	LT	77.47	1.04%	79	
	STH 83	122		10	260+77.47	7.81	LT	262+08.31	8.23	LT	130.84	1.45%	133	
	STH 83	123		10	262+08.31	8.23	LT	262+55.29	8.38	LT	46.98	1.45%	48	
	JEFFERSON AVE	124		8	10+15.94	11.99	LT	10+35.13	12.06	LT	19.19	0.00%		20
	STH 83	125		10	262+55.29	8.38	LT	262+80.38	8.41	LT	25.09	1.45%	26	
	STH 83	126		10	262+80.38	8.41	LT	264+06.18	8.53	LT	125.81	1.45%	128	
	STH 83	127		10	264+06.18	8.53	LT	265+07.22	8.62	LT	101.04	0.29%	102	
	STH 83	128		10	265+07.22	8.62	LT	265+12.82	8.63	LT	5.60	1.67%	6	
	STH 83	130		10	265+12.82	8.63	LT	266+06.04	8.71	LT	93.23	1.67%	95	
	STH 83	131		10	266+06.04	8.71	LT	266+90.17	9.20	LT	84.13	2.94%	87	
	STH 83	132		10	270+28.92	10.79	LT	270+32.89	6.80	LT	5.63	0.23%	6	
	STH 83	133		10	270+32.89	6.80	LT	270+38.01	6.73	LT	5.12	0.14%	6	
	STH 83	134		10	270+38.01	6.73	LT	270+70.06	7.24	LT	32.06	0.49%	33	
	STH 83	135		10	270+70.06	7.24	LT	270+74.56	7.31	LT	4.50	118.75%	10	
	STH 83	136		10	270+74.56	7.31	LT	270+81.56	7.42	LT	7.00	0.00%	7	
	STH 83	137		10	270+81.56	7.42	LT	270+86.06	7.49	LT	4.50	117.57%	10	
	STH 83	138		10	270+86.06	7.49	LT	271+17.10	6.98	LT	30.47	0.52%	31	
	E LINCOLN AVE	139		8	50+00.61	7.16	RT	50+35.14	7.40	RT	34.71	0.17%		35
	E LINCOLN AVE	140		8	50+35.14	7.40	RT	50+64.98	9.05	RT	29.88	0.18%		30
	E LINCOLN AVE	141		8	50+64.98	9.05	RT	51+06.93	2.27	RT	40.26	0.39%		41
	E LINCOLN AVE	142		8	51+06.93	2.27	RT	52+92.72	17.20	LT	183.63	1.93%		188

(TABLE CONTINUED ON NEXT SHEET)

3

WATER MAIN DUCTILE IRON ITEMS

PROJECT I.D.	ROADWAY	PIPE NUMBER	TO	SIZE	START STA	START OFFSET	START FT	END STA	END OFFSET	END FT	PLAN LENGTH FT	SLOPE	SPV.0090.01 WATER MAIN DUCTILE IRON 10-INCH LF	SPV.0090.02 WATER MAIN DUCTILE IRON 8-INCH LF
1330-24-71														
	STH 83	143		10	271+17.10	6.98	LT	271+56.57	2.19	LT	39.19	0.01%	40	
	STH 83	144		10	271+56.57	2.19	LT	271+61.62	1.23	LT	5.11	25.65%	7	
	STH 83	145		10	271+61.62	1.23	LT	271+68.13	0.14	RT	6.64	0.00%	7	
	STH 83	146		10	271+68.13	0.14	RT	271+73.10	1.28	RT	5.11	25.61%	7	
	STH 83	147		10	271+73.10	1.28	RT	271+92.98	6.68	RT	20.83	0.01%	21	
	STH 83	148		10	271+92.98	6.68	RT	271+98.58	8.46	RT	6.00	0.01%	7	
	STH 83	149		10	271+98.58	8.46	RT	271+99.52	8.19	RT	1.00	0.11%	2	
	STH 83	150		10	271+99.52	8.19	RT	272+03.23	3.77	RT	5.81	0.07%	6	
	E WASHINGTON AVE	151		8	61+31.35	4.42	LT	61+43.02	3.11	LT	8.61	0.60%		9
	E WASHINGTON AVE	152		8	61+43.02	3.11	LT	62+28.25	11.38	LT	82.58	0.61%		84
	E WASHINGTON AVE	153		8	62+28.25	11.38	LT	62+70.36	8.78	LT	42.18	2.80%		44
	E WASHINGTON AVE	154		8	62+70.36	8.78	LT	62+91.77	8.53	LT	21.41	2.80%		23
	E LOOS ST	157		8	10+61.15	7.44	RT	11+16.33	7.26	RT	55.18	1.43%		56
	E LOOS ST	158		8	11+16.33	7.26	RT	11+25.15	7.21	RT	8.82	1.43%		9
	CHURCH ST	159		8	10+08.41	8.16	LT	10+17.59	8.12	LT	9.18	1.63%		10
TOTAL (1330-24-71)													1890	549

ALL ITEMS CATEGORY 0010 UNLESS NOTED OTHERWISE

(TABLE FROM PREVIOUS SHEET)

3

PIPE INSULATION ITEMS

PROJECT I.D.	ROADWAY	PIPE NUMBER	TO	SIZE	START STA	START OFFSET	START FT	END STA	END OFFSET	END FT	PLAN LENGTH FT	BOARD WIDTH FT	612.0902.S INSULATION BOARD POLYSTYRENE (2-INCH) SY
1330-24-71													
	E MONROE AVE	107		10	49+90.05	9.66	RT	49+97.49	9.65	RT	7.44	3	2.48
	E MONROE AVE	108		10	49+97.49	9.65	RT	50+05.49	9.64	RT	8.00	3	2.66
	E MONROE AVE	109		10	50+05.49	9.64	RT	50+12.49	9.64	RT	7.00	3	2.33
	E MONROE AVE	110		10	50+12.49	9.64	RT	50+20.49	9.63	RT	8.00	3	2.66
	E MONROE AVE	111		10	50+20.49	9.63	RT	50+46.30	9.04	RT	25.81	3	8.60
	STH 83	134		10	270+38.01	6.73	LT	270+70.06	7.24	LT	32.06	3	10.69
	STH 83	135		10	270+70.06	7.24	LT	270+74.56	7.31	LT	4.50	3	1.50
	STH 83	136		10	270+74.56	7.31	LT	270+81.56	7.42	LT	7.00	3	2.33
	STH 83	137		10	270+81.56	7.42	LT	270+86.06	7.49	LT	4.50	3	1.50
	STH 83	138		10	270+86.06	7.49	LT	271+17.10	6.98	LT	30.47	3	10.16
	STH 83	143		10	271+17.10	6.98	LT	271+56.57	2.19	LT	39.19	3	13.06
	STH 83	144		10	271+56.57	2.19	LT	271+61.62	1.23	LT	5.11	3	1.70
	STH 83	145		10	271+61.62	1.23	LT	271+68.13	0.14	RT	6.64	3	2.21
	STH 83	146		10	271+68.13	0.14	RT	271+73.10	1.28	RT	5.11	3	1.70
	STH 83	147		10	271+73.10	1.28	RT	271+92.98	6.68	RT	20.83	3	6.94
TOTAL (1330-24-71)													71

ALL ITEMS CATEGORY 0010 UNLESS NOTED OTHERWISE

ABANDON WATER MAIN ITEMS

PROJECT I.D.	ROADWAY	FROM STA	OFFSET FT		TO STA	OFFSET FT		SPV.0105.06 ABANDON WATER MAIN LS
1330-24-71								
	E MONROE AVE	47+49.99	11.77	LT	52+84.88	9.00	RT	-
	STH 83	255+96.27	14.00	LT	272+03.23	3.77	RT	-
	E LINCOLN AVE	50+00.61	7.16	RT	52+92.72	17.20	LT	-
	E WASHINGTON ST	61+34.35	4.42	LT	62+91.77	8.53	LT	-
	E LOOS ST	10+61.15	7.44	RT	11+16.33	7.26	RT	-
TOTAL (1330-24-71)								1

ALL ITEMS CATEGORY 0010 UNLESS NOTED OTHERWISE

MAP BOOK 51 Page 2

DOC# 1333375

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

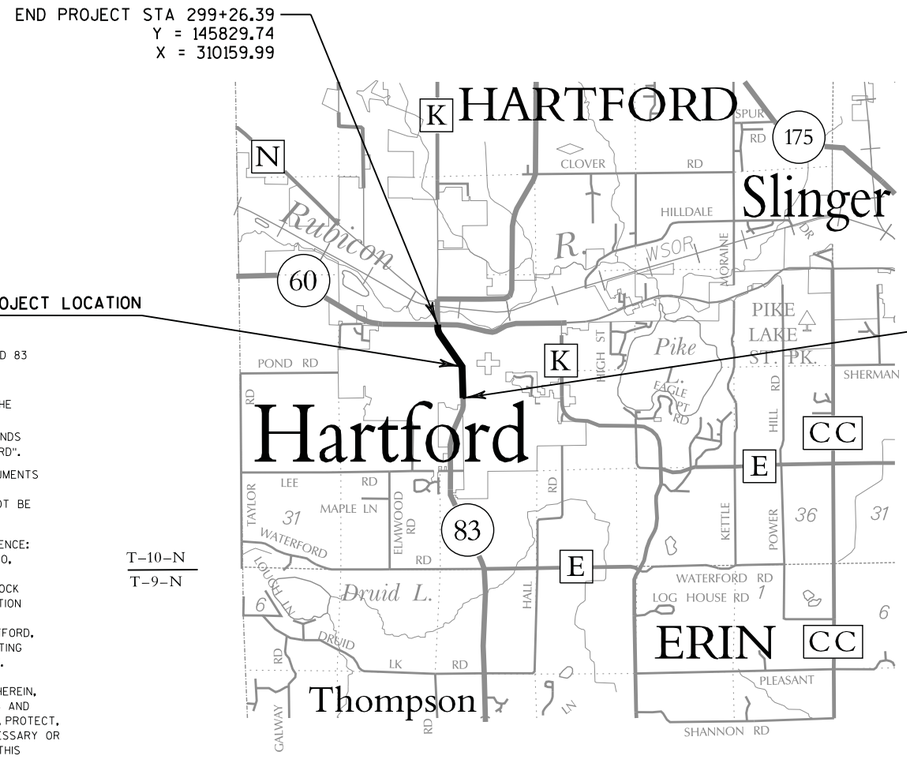
TRANSPORTATION PROJECT PLAT TITLE SHEET

PROJECT NO. 1330-24-20

GRAND AVENUE/BRANCH STREET
MONROE AVENUE TO SUMNER STREET

STH 83

WASHINGTON COUNTY



NOTES:

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

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY SYSTEM OR OTHER "SURVEYS OF PUBLIC RECORD".

PROPERTY LINES SHOWN ON THIS PLAT ARE DRAWN FROM DATA DERIVED FROM MAPS AND DOCUMENTS OF PUBLIC RECORD AND/OR EXISTING OCCUPATIONAL LINES. THIS PLAT MAY NOT BE A TRUE REPRESENTATION OF EXISTING PROPERTY LINES, EXCLUDING RIGHT-OF-WAY LINES, AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE: EXISTING HIGHWAY RIGHT-OF-WAY FOR STH 83 ESTABLISHED FROM PREVIOUS PROJECT 1333-03-20, CERTIFIED SURVEY MAP 988, MONROE PARK, MONROE PARK ADDITION NO. 1, EVERGREEN TERRACE CONDOMINIUMS, HARKERS ADDITION, BECKERS ADDITION TO HARTFORD, ADDITION TO KISSELS WHEELOCK ADDITION, KISSELS WHEELOCK ADDITION, CITY OF HARTFORD ASSESSOR'S PLAT, MARTIN LOOS ADDITION TO THE VILLAGE OF HARTFORD, CERTIFIED SURVEY MAP 3001, MUSGROVE & FREEMAN'S ADDITION TO HARTFORD, MUSGROVE ADDITION TO HARTFORD, LECOUNTS ADDITION TO THE VILLAGE OF HARTFORD, AND EXISTING HIGHWAY RIGHT-OF-WAY FOR SIDE ROADS ESTABLISHED FROM CENTERLINE OF EXISTING PAVEMENTS. EXISTING ACCESS CONTROL ALONG STH 83 ESTABLISHED FROM PREVIOUS PROJECTS.

A **TEMPORARY LIMITED EASEMENT** (TLE) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM NECESSARY OR DESIRABLE. ALL TLES EXPIRE AT THE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS INSTRUMENT IS GIVEN.

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

A **HIGHWAY EASEMENT** (HE) IS AN EASEMENT FOR HIGHWAY PURPOSES, AS LONG AS SO USED, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM NECESSARY OR DESIRABLE.

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

CONVENTIONAL ABBREVIATIONS

ACCESS POINT/ DRIVEWAY CONNECTION	AP	REFERENCE LINE	R/L
ACCESS RIGHTS	AR	RELEASE OF RIGHTS	ROR
ACRES	AC.	REMAINING	REM.
AND OTHERS	ET.AL.	RIGHT-OF-WAY	R/W
CENTERLINE	C/L	SECTION	SEC.
CERTIFIED SURVEY MAP	CSM	STATION	STA.
CORNER	COR.	TEMPORARY LIMITED EASEMENT	TLE
DOCUMENT	DOC.	VOLUME	V.
EASEMENT	EASE.		
HIGHWAY EASEMENT	H.E.	**CURVE DATA**	
LAND CONTRACT	LC	LONG CHORD	LCH
MONUMENT	MON.	LONG CHORD BEARING	LCB
PAGE	P.	RADIUS	R
PERMANENT LIMITED EASEMENT	PLE	DEGREE OF CURVE	D
PROPERTY LINE	PL	CENTRAL ANGLE OR DELTA	DELTA
RECORDED AS	(100')	LENGTH OF CURVE	L
		TANGENT	TAN

CONVENTIONAL SYMBOLS

FOUND IRON PIPE/PIN	LF (1" UNLESS NOTED)	PROPOSED R/W LINE	
		EXISTING H.E. LINE	
R/W MONUMENT	●(SET)	PROPERTY LINE	
R/W STANDARD	▲(SET)	LOT & TIE LINES	
SIGN	ISIGN	SLOPE INTERCEPTS	
SECTION CORNER MONUMENT		CORPORATE LIMITS	
SECTION CORNER SYMBOL		NO ACCESS (BY PREVIOUS ACQUISITION/CONTROL)	
FEE (HATCH VARIES)		NO ACCESS (BY ACQUISITION)	
TEMPORARY LIMITED EASEMENT		NO ACCESS (BY STATUTORY AUTHORITY)	
PERMANENT LIMITED EASEMENT		SECTION LINE	
R/W BOUNDARY POINT	RWB20	QUARTER LINE	
PARCEL NUMBER	102	SIXTEENTH LINE	
UTILITY PARCEL NUMBER	92	EXISTING CENTERLINE	
SIGN NUMBER (OFF PREMISE)	21-1	PROPOSED REFERENCE LINE	
BUILDING		PARALLEL OFFSET	

CONVENTIONAL UTILITY SYMBOLS

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

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1330-24-20 - 4.01
SHEET 2 OF 2
AMENDMENT NO: 178

MAP BOOK 51 Page 1

1333375
RECORDED
April 05, 2013 2:23 PM
SHARON A MARTIN, REGISTER OF DEEDS
WASHINGTON COUNTY, WISCONSIN
Fee Amount: $25.00

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1330-24-20-4.01
AMENDMENT NO:
SHEET 1OF 2

CITY

NW/NW

NE/NW

E MONROE AVE

S89°16'48"E 243.06'

NORTH LINE OF THE SW1/4 OF THE NW1/4

S89°16'48"E 284.23'

NORTH LINE OF THE SE1/4 OF THE NW1/4

N00°51'10"E 44.09'

S00°43'12"W 39.27'

SLOPE INTERCEPT

PI STA256+02.28
Y=141861.65
X=311397.61

S89°16'48"E 2.40'

WEST LINE OF THE SE1/4 OF THE NW1/4

STH 83 (GRAND AVE)

N 0°54'09" E

S00°54'09"W

N89°08'50"W 88.29'

N89°08'17"W 43.73'

N68°52'44"W 30.47'

N28°21'37"W 30.47'

N83°03'02"W 37.11'

N00°54'09"E 83.04'

N00°54'09"E 50.00'

N89°16'48"W

VARIES

(CHIS X) IP 772

206.50'

20'X50' EASEMENT FOR DRIVEWAY PURPOSES
VOL. 369 PG. 140
DOC. 949616

S76°25'10"W 16.37'

CANOPY

243.91'

SE/SW

SW/NW

10' UTILITY EASEMENT
CITY OF HARTFORD - ELECTRIC
CONVEYANCE OF RIGHTS
DOC. 620519, VOL. 1262 PG. 375

15' UTILITY EASEMENT
AT&T
VOL. 570 PG. 331, DOC. 355888
CITY OF HARTFORD - ELECTRIC
CONVEYANCE OF RIGHTS
DOC. 620519, VOL. 1262 PG. 375

LOT 1
MONROE PARK

12' UTILITY EASEMENT
CITY OF HARTFORD - ELECTRIC
CONVEYANCE OF RIGHTS
DOC. 620519, VOL. 1262 PG. 375

EASEMENT FOR DRIVEWAY PURPOSES
VOL. 369 PG. 140
DOC. 949616

SLOPE INTERCEPT

27.00'

S89°16'48"E

60'

62'

118.11'

PT STA253+15.25

L= 82.69'
LCH= 82.63'
R= 656.20'
DELTA= 07°13'12"

BEGIN PROJECT
STA 252+25.00
Y=141484.75
X=311386.00

N55°20'52"E 1620.98'
MON. TO PNT. 4012

N81°52'39"W 60.00'

L= 90.25
LCH= 90.19'
R= 716.20'
DELTA= 07°13'12"

62.00'
N89°05'51"W

MONROE PARK
ADDITION NO.1
LOT 33

HARTFORD

SCALE, FEET 0 20 40

GN

HIGHWAY	BASIS OF EXISTING R/W	R/W WIDTH	YEAR
STH 83	RW PLAT 1333-03-20	VARIES	1991
STH 83	CSM 988	60'	1972
STH 83	MONROE PARK	95'	1989
STH 83	MONROE PARK ADDITION NO.1	95'	1991

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
204	AT&T WISCONSIN	RELEASE OF RIGHTS
210	CITY OF HARTFORD - ELECTRIC	RELEASE OF RIGHTS

RIGHT OF WAY STATION AND OFFSET TABLE

POINT NO.	STATION	OFFSET
4000	254+33.36	-60.00
4001	254+33.45	-33.00
4002	255+57.59	-33.00
4003	255+57.41	-245.41
4004	256+01.50	-245.45
4005	256+02.27	-2.40
4006	256+02.28	0.00
4007	256+03.16	284.23
4008	255+63.20	62.00
4010	253+15.25	62.00
4011	253+15.25	0.00
4012	252+25.00	0.00
4013	253+15.25	-60.00
PRW1000	255+16.49	-33.00
PRW1001	255+43.07	-47.90
PRW1002	255+53.61	-76.49
PRW1003	255+53.57	-120.22
PRW1004	255+57.48	-157.12
PRW1005	255+63.25	77.85
PRW1006	255+59.16	62.00

TLE STATION AND OFFSET TABLE

POINT NO.	STATION	OFFSET
TLE2000	254+33.45	-33.00
TLE2001	254+33.42	-41.00
TLE2002	255+06.45	-41.00
TLE2003	255+42.55	-77.14
TLE2004	255+42.43	-218.98
TLE2005	255+57.43	-219.00
TLE2006	255+63.91	284.35
TLE2007	255+60.91	284.36
TLE2008	255+60.80	249.36
TLE2009	255+50.80	249.39
TLE2010	255+50.67	209.39
TLE2011	255+54.67	209.38
TLE2012	255+54.47	145.15
TLE2013	255+49.47	145.17
TLE2014	255+49.33	102.17
TLE2015	255+59.33	102.14
TLE2016	255+59.25	78.66
TLE2017	255+51.99	62.00
TLE2020	252+25.00	-60.00
TLE2021	252+25.00	-63.00
TLE2022	253+15.25	-63.00
TLE2023	254+25.00	-63.00
TLE2024	254+25.00	-60.00

T-10-N | R-18-E

HARTFORD

PROJECT LOCATION — SHEET LOCATION

LOCATION SKETCH

CSM 988
VOL.5, PG.150
DOC. 355989

CONC. MON.
W/BRASS CAP
Y=143193.47
X=310097.85

10' DRIVEWAY EASEMENT
BAJRAM LLJAZI AND YDBI ISLAMI
VOL. 1155 PG. 281, DOC. 589058

N 00°59'12" E 2630.80'

CONC. MON.
W/BRASS CAP
Y=140563.06
X=310052.55

PREVIOUS ACCESS CONTROL ESTABLISHED BY: RW PLAT 1333-03-20, MONROE PARK, MONROE PARK ADDITION NO.1

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION CONTACT THE PLANNING DEPARTMENT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WAUKESHA

ALL TLES SHOWN ON THIS SHEET ARE FOR SLOPE GRADING

Refer to the Title Sheet, recorded as Sheet 2 of 2.

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

(204) AT&T
DOC. 355888 - PAR 5
NO RECORD OF EASEMENT - PAR 3

(210) CITY OF HARTFORD - ELECTRIC
CONVEYANCE OF RIGHTS DOC. 620519
VOL. 1262, PG. 375 - PAR 3 & 5
NO RECORD OF EASEMENT - PAR 3

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 DEPARTMENT.

PARCEL NUMBER	OWNERS	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES
1	LAND CONTRACT, ROBERT J. JAMBURA (DECEASED) AND GENEVIEVE JAMBURA VENDOR BY ASSIGNMENT AND MARK JAMBURA A PURCHASER	TLE	---	---	---	0.006
2	BAJRAM ILJAZI AND YDBI ISLAMI	TLE	---	---	---	0.007
3	JEFFRY J. & PAMELA J. ORLEBEKE	FEE/TLE	0.021	0.086	0.107	0.078
4	STOP-N-GO OF MADISON, INC, A WISCONSIN CORPORATION	FEE/TLE	0.001	---	0.001	0.026
5	CUDJOE, LLC	TLE	---	---	---	0.020

TRANSPORTATION PROJECT PLAT NO: 1330-24-20 - 4.01

THAT PART OF CSM 988, ALL BEING LOCATED IN THE SW1/4 OF THE NW1/4, ALSO PART OF THE SE1/4 OF THE NW1/4, ALL BEING LOCATED IN SECTION 28, TOWNSHIP 10 NORTH, RANGE 18 EAST, CITY OF HARTFORD, WASHINGTON COUNTY, WISCONSIN

RELOCATION ORDER STH 83 WASHINGTON COUNTY

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 66.22, WISCONSIN STATUTES, THE CITY OF HARTFORD HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF HARTFORD, PURSUANT TO THE PROVISIONS OF SECTION 66.22, WISCONSIN STATUTES.

EMCS

I, KEVIN C. BOYER, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 66.22 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY, I HAVE SURVEYED TRANSPORTATION PROJECT PLAT 1330-24-20-4.01 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

Kevin C. Boyer DATE: 3/26/2013

WISCONSIN KEVIN C BOYER S-2675 HEWITT WI LAND SURVEYOR

REGISTERED LAND SURVEYOR NUMBER 2675

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF HARTFORD

(SIGNATURE) DATE: 03/27/13

(PRINTED NAME) Joseph C. Mayor

FILE NAME : P:\46xx\4619_SP.STH83.WAS\CADDS\Plan\040101_rp.dgn
APPRAISAL PLAT DATE :
PLOT DATE : 3/26/2013 PLOT BY : kcb PLOT NAME : PLOT SCALE : 1:20

1330-24-70, STH 83, 1330-24-20 4.01

MAP BOOK 52 Page 5

TRANSPORTATION PROJECT PLAT NO: 1330-24-20 - 4.02

THAT PART OF EVERGREEN TERRACE CONDOMINIUMS, LOCATED IN AND PART OF THE NW1/4 OF THE NW1/4 AND PART OF THE NE1/4 OF THE NW1/4, ALL BEING LOCATED IN SECTION 28, TOWNSHIP 10 NORTH, RANGE 18 EAST, CITY OF HARTFORD, WASHINGTON COUNTY, WISCONSIN

RELOCATION ORDER STH 83 WASHINGTON COUNTY

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 66.22, WISCONSIN STATUTES, THE CITY OF HARTFORD HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF HARTFORD, PURSUANT TO THE PROVISIONS OF SECTION 66.22, WISCONSIN STATUTES.

3334403
RECORDED
April 18, 2013 2:00 PM
SHARON A MARTIN, REGISTER OF DEEDS
WASHINGTON COUNTY, WISCONSIN
Fee Amount: $25.00

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1330-24-20-4.02
AMENDMENT NO:

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 DEPARTMENT.

PARCEL NUMBER	OWNERS	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	PLE ACRES	TLE ACRES
6	MICHAEL W. MCCLUSKEY & WILLIAM G. MCCLUSKEY	FEE/TLE	0.004	---	0.004	---	0.117
7	BANK WISCONSIN	FEE/TLE	---	0.150	0.150	---	0.031
8	GRANDA MALL, LLC	FEE/PLE/TLE	0.042	0.160	0.202	0.011	0.035
9	CHANDRAKANT PATEL & PADMA PATEL, OR THEIR SUCCESSORS, AS TRUSTEES OF THE CHANDRAKANT PATEL AND PADMA PATEL REVOCABLE TRUST, DATED SEPTEMBER 27, 1996 AS AMENDED OR RESTATED	FEE/PLE/TLE	0.005	0.273	0.278	0.002	0.069

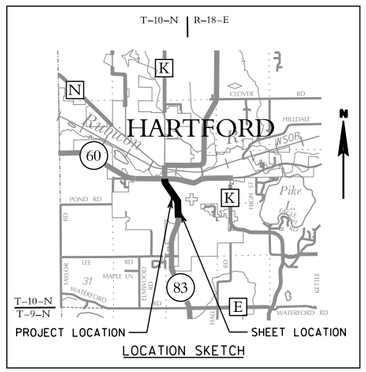
CONC. MON. W/BRASS CAP Y=140563.06 X=310052.55

CONC. MON. W/BRASS CAP Y=143193.47 X=310097.85

N 00°59'12" E 2630.80'

T-10-N R-18-E (29 28)

T-10-N R-18-E (20 21 29 28)



LOCATION SKETCH

CITY OF HARTFORD

RIGHT OF WAY STATION AND OFFSET TABLE		
POINT NO.	STATION	OFFSET
4005	256+02.27	-2.40
4006	256+02.28	0.00
4021	256+01.47	-252.89
4022	256+37.59	-33.00
4023	262+10.81	-33.00
4024	262+09.19	-0.20
4025	262+08.80	-0.20
4026	262+08.80	0.00
4027	262+08.65	33.00
4028	256+57.30	33.00
4029	256+02.49	67.59
PRW1021	256+37.57	-57.70
PRW1022	256+44.99	-42.74
PRW1023	256+57.52	-33.00
PRW1024	259+37.13	33.00
PRW1025	258+09.59	41.50
PRW1026	256+92.38	41.50
PRW1027	256+75.00	44.87
PRW1028	256+57.23	57.57

TLE STATION AND OFFSET TABLE		
POINT NO.	STATION	OFFSET
TLE2061	256+37.42	-253.00
TLE2062	256+49.42	-253.04
TLE2063	256+49.54	-103.04
TLE2064	256+42.54	-103.02
TLE2065	256+42.58	-57.24
TLE2066	256+59.83	-40.00
TLE2067	257+05.00	-40.00
TLE2068	257+05.00	-43.00
TLE2069	257+85.00	-43.00
TLE2070	257+85.00	-48.00
TLE2071	258+10.00	-48.00
TLE2072	258+10.00	-40.00
TLE2073	260+08.35	-40.00
TLE2074	260+08.36	-43.00
TLE2075	260+35.00	-43.00
TLE2076	260+35.00	-38.00
TLE2077	260+80.00	-38.00
TLE2078	260+80.00	-45.00

TLE STATION AND OFFSET TABLE CONT'		
POINT NO.	STATION	OFFSET
TLE2079	261+00.00	-45.00
TLE2080	261+00.00	-38.00
TLE2081	262+00.00	-38.00
TLE2082	262+00.00	-43.00
TLE2083	262+11.30	-43.00
TLE2086	262+08.60	42.00
TLE2087	260+60.00	42.00
TLE2088	260+60.00	38.00
TLE2089	260+25.00	38.00
TLE2090	258+57.57	49.13
TLE2091	258+57.49	71.50
TLE2092	258+34.00	71.50
TLE2093	258+34.00	53.50
TLE2094	258+06.00	53.50
TLE2095	258+06.00	46.50
TLE2096	256+86.48	46.50
TLE2097	256+57.19	67.42

PLE STATION AND OFFSET TABLE		
POINT NO.	STATION	OFFSET
PLE3000	258+53.00	38.61
PLE3001	258+53.00	68.00
PLE3002	258+37.00	68.00
PLE3003	258+37.00	39.67
PLE3004	260+68.00	33.00
PLE3005	260+82.00	33.00
PLE3006	260+82.08	38.00
PLE3007	260+68.00	38.00

DETAIL A

S86°16'29"E P.L. 32.84'

WEST LINE OF THE NW1/4 OF THE NW1/4

S01°06'16"W 0.38'

S88°49'54"E 0.20'

S88°49'54"E P.L. 33.00'

JEFFERSON AVE

EVERGREEN TERRACE CONDOMINIUMS DOC. 790378

(204) AT&T NO RECORD OF EASEMENT - PAR 6

E MONROE AVE

NORTH LINE OF THE SW1/4 OF THE NW1/4

N89°16'48"W

S89°08'05"E 195.30'

12'

35.5'

5'

27'

21'

N64°32'15"E 16.69'

S46°00'25"W 186.63' MON. TO PNT. 4006

N38°45'20"E 15.88'

33'

N00°43'12"E 35.93'

NW/NW

SIGN

N00°53'50"E

IP 765

553.28'

SLOPE INTERCEPT

IP 764

S86°16'29"E 32.84'

WEST LINE OF THE NE1/4 OF THE NW1/4

N 0°53'50" E

STH 83 (GRAND AVE)

PI STA256+02.28 Y=311397.61 X=141861.65

N89°16'48"W 2.40'

NORTH LINE OF THE SE1/4 OF THE NW1/4

N89°16'48"W 67.59'

SE/NW

S00°53'50"W 117.21'

S02°54'57"E 127.82'

S10°04'47"E 17.71'

SLOPE INTERCEPT

S88°55'20"E 9.85'

S00°43'12"W 54.71'

S34°38'25"E 21.84'

29'

37'

VARIES

50'

PLE FOR DRAINAGE

25' DRIVEWAY EASEMENT VOL. 333 PG. 560, DOC. 249401

NE/NW

S00°53'50"W

271.52'

PLE FOR DRAINAGE

HARTFORD

S88°49'54"E 33.00'

DETAIL A

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

ALL TLES SHOWN ON THIS SHEET ARE FOR SLOPE GRADING

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION CONTACT THE PLANNING DEPARTMENT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WAUKESHA

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
204	AT&T WISCONSIN	RELEASE OF RIGHTS

HIGHWAY	BASIS OF EXISTING R/W	R/W WIDTH	YEAR
STH 83	EVERGREEN TERRACE CONDOMINIUMS	66'	1998
E MONROE AVE	EVERGREEN TERRACE CONDOMINIUMS	80'	1998

SCALE, FEET 0 20 40

Refer to the Title Sheet, recorded as Sheet 2 of 2, in Map Book 51, Page 2, as Document No. 1333375 for additional information

EMCS

I, KEVIN C. BOYER, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 66.22 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY, I HAVE SURVEYED TRANSPORTATION PROJECT PLAT 1330-24-20-4.02 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

Kevin C. Boyer DATE: 4/9/2013

WISCONSIN KEVIN C BOYER S-2675 HEWITT WI LAND SURVEYOR

REGISTERED LAND SURVEYOR NUMBER 2675

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF HARTFORD

(SIGNATURE) mayor DATE: 04/16/2013

(PRINTED NAME) Joseph A. Delaney

180

FILE NAME : P:\46xx\4619_SP.STH83.WAS\CADDS\Plan\040102_rp.dgn
PLOT DATE : 4/8/2013 PLOT BY : kcb PLOT NAME : PLOT SCALE : 1:20
APPRAISAL PLAT DATE :

1330-24-70, STH 83, 1330-24-20 4.02

MAP BOOK 52 Page 6

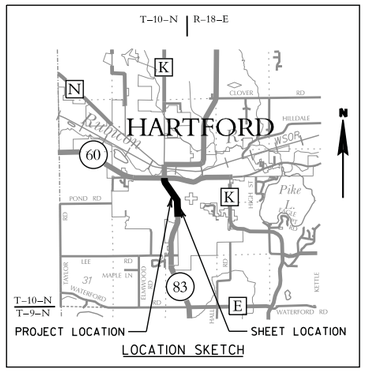
TRANSPORTATION PROJECT PLAT NO: 1330-24-20 - 4.03

THAT PART OF THE NW1/4 OF THE NW1/4, PART OF THE NE1/4 OF THE NW1/4, ALL BEING LOCATED IN SECTION 28, TOWNSHIP 10 NORTH, RANGE 18 EAST, CITY OF HARTFORD, WASHINGTON COUNTY, WISCONSIN

RELOCATION ORDER STH 83 WASHINGTON COUNTY

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, WISCONSIN STATUTES, THE CITY OF HARTFORD HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF HARTFORD, PURSUANT TO THE PROVISIONS OF SECTION 66.22, WISCONSIN STATUTES.



LOCATION SKETCH

RIGHT OF WAY STATION AND OFFSET TABLE		
POINT NO.	STATION	OFFSET
4023	262+10.81	-33.00
4024	262+09.19	-0.20
4025	262+08.80	-0.20
4026	262+08.80	0.00
4027	262+08.65	33.00
4041	262+76.89	-33.00
4042	267+77.85	-33.00
4043	267+77.85	0.00
4044	267+77.85	1.85
4045	267+77.85	33.00
4046	262+74.65	33.00

TLE STATION AND OFFSET TABLE		
POINT NO.	STATION	OFFSET
TLE2083	262+11.30	-43.00
TLE2086	262+08.60	42.00
TLE2126	262+77.14	-38.00
TLE2127	264+50.00	-38.00
TLE2128	264+50.00	-42.00
TLE2129	264+96.00	-42.00
TLE2130	264+96.00	-38.00
TLE2131	266+62.00	-33.00
TLE2132	266+62.00	-45.00
TLE2133	266+90.00	-45.00
TLE2134	266+90.00	-38.00
TLE2135	267+59.00	-38.00
TLE2136	267+59.00	-45.00
TLE2137	267+77.85	-45.00

TLE STATION AND OFFSET TABLE CONT'		
POINT NO.	STATION	OFFSET
TLE2138	267+77.85	37.00
TLE2139	266+25.00	37.00
TLE2140	266+25.00	39.00
TLE2141	265+60.00	39.00
TLE2142	265+60.00	47.00
TLE2143	265+27.00	47.00
TLE2144	265+27.00	38.00
TLE2145	264+64.00	38.00
TLE2146	264+64.00	40.00
TLE2147	264+22.00	40.00
TLE2148	264+22.00	37.00
TLE2149	262+74.63	37.00
TLE2150	266+12.83	-38.00
TLE2151	266+12.85	-33.00

1334484
RECORDED
April 18, 2013 2:00 PM
SHARON A MARTIN, REGISTER OF DEEDS
WASHINGTON COUNTY, WISCONSIN
Fee Amount: $25.00

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1330-24-20-4.03
AMENDMENT NO:

CONC. MON.
W/BRASS CAP
Y=140563.06
X=310052.55

CONC. MON.
W/BRASS CAP
Y=143193.47
X=310097.85

T 10 N R 18 E Sec 29 28 21 20

N 00°59'12" E
2630.80'

CITY OF HARTFORD

66'

JEFFERSON AVE

S61°00'44"E
1496.80'

TLE2083
4023
N05°14'26"E
66.02'
42.85'
IP 764
N86°16'29"W
MON. TO PNT. 4026
TLE2126
S86°16'29"E
5.01'
4041

19'
33'
SIGN
5'
N00°53'50"E
9'
5'
50'
NW/NW
SLOPE INTERCEPT
500.96'
12'
5'
12'
33'

10 11 12

TLE2128 TLE2127 TLE2129 TLE2130 TLE2150 TLE2151 TLE2131 TLE2132 TLE2133 TLE2134 TLE2135 TLE2136 TLE2137 4042

262 263 264 N 0°53'50" E 265 266 267

DETAIL A

N88°49'54"W 42.00'

4027
S88°49'54"E
4.00'
4046
S03°26'00"E
66.21'
TLE2086
TLE2149
66'

STH 83 (GRAND AVE)

WEST LINE OF THE NE1/4 OF THE NW1/4

S89°06'10"E
33.00'
4043
S89°06'10"E
1.85'
4044
S89°06'10"E
31.15'
4045
TLE2138

MATCH LINE TRANSPORTATION PROJECT PLAT NO: 1330-24-00-4.04

4'
S00°53'50"W
7'
5'
14'
IP 761
6'
4'
503.20'
SIGN
SLOPE INTERCEPT
TLE2148 TLE2147 TLE2146 TLE2145 TLE2144 TLE2143 TLE2142 TLE2141 TLE2139 TLE2140
53'
12'

13 14 16

NE/NW

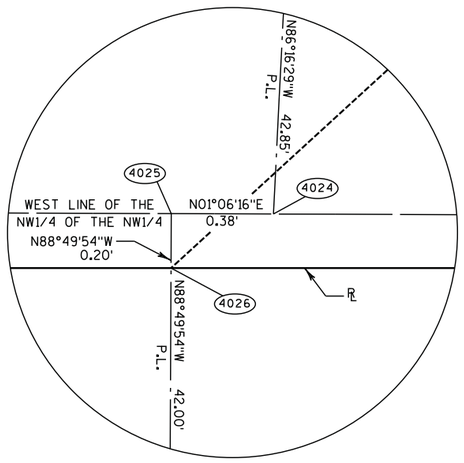
GN

SCALE, FEET 0 20 40

ALL TLES SHOWN ON THIS SHEET ARE FOR SLOPE GRADING

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION CONTACT THE PLANNING DEPARTMENT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WAUKESHA

DETAIL A



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 DEPARTMENT.

PARCEL NUMBER	OWNERS	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES
10	KERN & MCCUNE DEVELOPMENT, LLC	FEE/TLE	---	0.126	0.126	0.019
11	KIM GRIESEMER	FEE/TLE	---	0.134	0.134	0.024
12	DEAN A. TOMASIK	TLE	---	---	---	0.021
13	SHIRLEY A JOST LLC	TLE	---	---	---	0.022
14	THE TROY COMPANY INC., A WISCONSIN CORPORATION	TLE	---	---	---	0.019
16	JOHN YARMARK	FEE/TLE	---	0.146	0.146	0.021

THE AREA SHOWN IN THE SCHEDULE OF LANDS AND INTERESTS IS ONLY THE AREA OF PARCEL SHOWN ON THIS SHEET. IF THE PARCEL IS ON MULTIPLE SHEETS, REFERENCE THE OTHER SHEET(S) FOR ADDITIONAL PARCEL AREAS.

HARTFORD

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

Refer to the Title Sheet, recorded as Sheet 2 of 2, in Map Book 51, Page 2, as Document No. 1333375 for additional information

EMCS

I, KEVIN C. BOYER, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 66.22 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY, I HAVE SURVEYED TRANSPORTATION PROJECT PLAT 1330-24-20-4.03 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

Kevin C. Boyer DATE: 4/9/2013

WISCONSIN KEVIN C BOYER S-2675 HEWITT WI LAND SURVEYOR

REGISTERED LAND SURVEYOR NUMBER 2675
THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF HARTFORD

(SIGNATURE) Mayor DATE: 4/9/2013

(PRINTED NAME) James

FILE NAME : P:\46xx\4619_SP.STH83.WAS\CADDS\Plan\040103_rp.dgn
APPRAISAL PLAT DATE :
PLOT DATE : 4/8/2013
PLOT BY : kcb
PLOT NAME :
PLOT SCALE : 1:20

1330-24-70, STH 83, 1330-24-20 4.03

MAP BOOK 52 Page 7

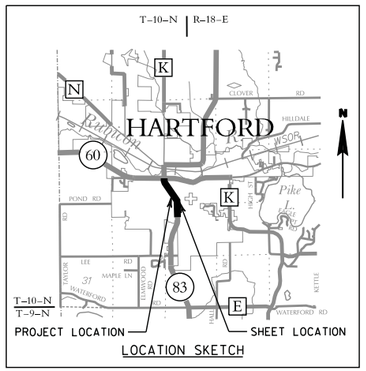
TRANSPORTATION PROJECT PLAT NO: 1330-24-20 - 4.04

THAT PART OF THE NW1/4 OF THE NW1/4, AND PART OF THE NE1/4 OF THE NW1/4 OF SECTION 28, PART OF THE SW1/4 OF THE SW1/4, AND PART OF THE SE1/4 OF THE SW1/4 OF SECTION 21, ALL BEING LOCATED IN TOWNSHIP 10 NORTH, RANGE 18 EAST, CITY OF HARTFORD, WASHINGTON COUNTY, WISCONSIN

RELOCATION ORDER STH 83 WASHINGTON COUNTY

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 66.22, WISCONSIN STATUTES, THE CITY OF HARTFORD HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF HARTFORD, PURSUANT TO THE PROVISIONS OF SECTION 66.22, WISCONSIN STATUTES.



LOCATION SKETCH

1334405
RECORDED
April 18, 2013 2:00 PM
SHARON A MARTIN, REGISTER OF DEEDS
WASHINGTON COUNTY, WISCONSIN
Fee Amount: $25.00

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1330-24-20-4.04
AMENDMENT NO:

SCALE, FEET 0 20 40

GN

CONC. MON.
W/BRASS CAP
Y=143193.47
X=310097.85

T 10 N
20 21
29 28
R 18 E

CONC. MON.
W/BRASS CAP
Y=143161.31
X=312743.31

T 10 N
21
28
R 18 E

E LINCOLN AVE

S88°52'21"E 27.58'
S87°37'19"E
44.60'
IP 756
S87°37'19"E 22.00'
S74°58'27"E 142.76'
S87°37'19"E 9.01'
N01°07'39"E 54.75'
CURVE 1
PC STA270+91.36
271
WEST LINE OF THE SE1/4 OF THE SW1/4
270
269
268
N 0°53'50" E
S00°53'50"W
N00°53'50"E
N02°01'50"W
135.34'
140.25'
140.48'
182.12'
VARIES
33'
20'
38'
4'
7'
5'
12'

LOT 1
HARKERS ADDITION
BLOCK 2
LOT 2

STH 83
CURVE 1 DATA
PI = 271+88.52
Y = 143447.70
X = 311422.46
PC = 270+91.36
Y = 143350.55
X = 311420.93
PT = 272+80.35
Y = 143530.18
X = 311371.09
T = 97.16
L = 188.99
R = 330.00
DELTA = 32°48'47" LT
D = 17°21'44"

SLOPE INTERCEPT
S88°20'56"E 56.26'
IP 757
S01°39'04"W 66.00'
N88°20'56"W 3' 185.93'
SLOPE INTERCEPT

TLE2186 TLE2185 TLE2184 TLE2183 TLE2189 TLE2190 TLE2191 TLE2187 TLE2188
TLE2182 TLE2181 TLE2180 TLE2179 TLE2178 TLE2177 TLE2176 TLE2137 TLE2138

4062 4063 4064 4065 4066 4067 4068 4069 4070 4071 4072 4061 4042 4043 4044 4045

IP 747
N88°52'21"W 36.01'
N89°18'12"W 2.36'
N89°18'12"W 33.00'
N89°18'12"W 30.64'
N89°06'10"W 1.85'
33.00' N89°06'10"W
31.15' N89°06'10"W

S89°18'12"E 1320.47' MON. TO PNT. 4072
P.L.
NORTH LINE OF THE NW1/4 OF THE NW1/4
N89°18'12"W 1325.18' MON. TO PNT. 4072
NORTH LINE OF THE NE1/4 OF THE NW1/4

SW/SW
SE/SW
NW/NW
NE/NW
HARTFORD
CITY OF

18 17 16

SIGN
SIGN

RIGHT OF WAY STATION AND OFFSET TABLE

POINT NO.	STATION	OFFSET
4042	267+77.85	-33.00
4043	267+77.85	0.00
4044	267+77.85	1.85
4045	267+77.85	33.00
4061	269+18.09	-33.00
4062	271+01.24	-42.17
4063	271+72.86	-70.21
4064	271+64.97	-43.41
4065	271+53.98	0.00
4066	271+52.10	8.80
4067	271+09.12	164.24
4068	271+06.87	220.39
4069	270+53.66	33.00
4070	269+18.32	33.00
4071	269+18.22	2.36
4072	269+18.21	0.00

TLE STATION AND OFFSET TABLE

POINT NO.	STATION	OFFSET
TLE2137	267+77.85	-45.00
TLE2138	267+77.85	37.00
TLE2176	267+97.00	-45.00
TLE2177	267+97.00	-38.00
TLE2178	268+52.00	-38.00
TLE2179	268+52.00	-40.00
TLE2180	269+00.00	-40.00
TLE2181	269+00.00	-36.53
TLE2182	269+18.08	-37.56
TLE2183	270+46.00	-44.81
TLE2184	270+92.13	-51.50
TLE2185	270+98.91	-78.26
TLE2186	271+02.84	-78.16
TLE2187	270+51.22	218.91
TLE2188	270+48.22	218.87
TLE2189	270+50.54	42.23
TLE2190	270+08.21	37.00
TLE2191	269+18.34	37.00

HIGHWAY	BASIS OF EXISTING R/W	R/W WIDTH	YEAR
E LINCOLN AVE	HARKERS ADDITION	VARIES	1956

PREVIOUS ACCESS CONTROL ESTABLISHED BY: HARKERS ADDITION

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION CONTACT THE PLANNING DEPARTMENT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WAUKESHA

ALL TLES SHOWN ON THIS SHEET ARE FOR SLOPE GRADING

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 DEPARTMENT.

PARCEL NUMBER	OWNERS	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES
16	JOHN YARMARK	FEE/TLE	---	0.194	---	0.040
17	KEITH W. RADSCHLAG & CARRIE A. MCCAIGUE	TLE	---	---	---	0.021
18	THOMAS R. LANGFORD & MELISSA M. REIS	TLE	---	---	---	0.027

THE AREA SHOWN IN THE SCHEDULE OF LANDS AND INTERESTS IS ONLY THE AREA OF PARCEL SHOWN ON THIS SHEET. IF THE PARCEL IS ON MULTIPLE SHEETS, REFERENCE THE OTHER SHEET(S) FOR ADDITIONAL PARCEL AREAS.

MATCH LINE TRANSPORTATION PROJECT PLAT NO: 1330-24-00-4.03

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

Refer to the Title Sheet, recorded as Sheet 2 of 2, in Map Book 51, Page 2, as Document No. 1333375 for additional information

EMCS

I, KEVIN C. BOYER, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 66.22 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY, I HAVE SURVEYED TRANSPORTATION PROJECT PLAT 1330-24-20-4.04 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

Kevin C. Boyer DATE: 4/9/2013

WISCONSIN KEVIN C BOYER S-2675 HEWITT WI LAND SURVEYOR

REGISTERED LAND SURVEYOR NUMBER 2675
THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF HARTFORD

(SIGNATURE) DATE: 4/16/2013
(PRINTED NAME) Joseph C. Nantkomm, Mayor

FILE NAME : P:\46xx\4619_SP.STH83.WAS\CADDS\Plan\040104_rp.dgn
APPRAISAL PLAT DATE :
PLOT DATE : 4/8/2013
PLOT BY : kcb
PLOT NAME :
PLOT SCALE : 1:20

1330-24-70, STH 83, 1330-24-20 4.04

MAP Book 52 Page 8

TRANSPORTATION PROJECT PLAT NO: 1330-24-20 - 4.05

THAT PART OF LOTS 1-7, BLOCK 2, BECKERS ADDITION TO HARTFORD, PART OF LOTS 21-24, KISSEL WHEELOCK ADDITION, ALL BEING LOCATED IN AND PART OF THE SW1/4 OF THE SW1/4, PART OF LOTS 1 & 2, BLOCK 2, HARKERS ADDITION, PART OF LOT 4, BLOCK 9, ADDITION TO KISSELS WHEELOCK ADDITION, ALL BEING LOCATED IN AND PART OF THE SE1/4 OF THE SW1/4, SECTION 21, TOWNSHIP 10 NORTH, RANGE 18 EAST, CITY OF HARTFORD, WASHINGTON COUNTY, WISCONSIN

RELOCATION ORDER STH 83 WASHINGTON COUNTY

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 66.22, WISCONSIN STATUTES, THE CITY OF HARTFORD HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF HARTFORD, PURSUANT TO THE PROVISIONS OF SECTION 66.22, WISCONSIN STATUTES.

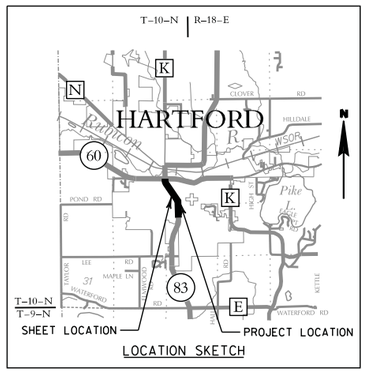
HIGHWAY	BASIS OF EXISTING R/W	R/W WIDTH	YEAR
STH 83	BECKERS ADDITION TO HARTFORD	49.50'	1911
E LINCOLN AVE	BECKERS ADDITION TO HARTFORD	54.75'	1911
STH 83	HARKERS ADDITION	49.50'	1956
E LINCOLN AVE	HARKERS ADDITION	VARIES	1956
GRAND AVE	ADDITION TO KISSELS WHEELOCK ADDITION	49.50'	1919
STH 83	KISSELS WHEELOCK ADDITION	N/A	1901

TLE STATION AND OFFSET TABLE		
POINT NO.	STATION	OFFSET
TLE2226	271+65.93	-47.00
TLE2227	272+50.00	-32.00
TLE2228	272+75.00	-37.00
TLE2229	273+16.00	-30.00
TLE2233	275+14.00	-30.00
TLE2234	275+50.00	-48.00
TLE2235	275+79.36	-48.00
TLE2236	275+66.03	24.75
TLE2237	275+66.01	26.00
TLE2238	273+60.00	26.00
TLE2239	273+60.00	27.00
TLE2240	272+90.79	27.00
TLE2241	272+85.25	34.66

TLE STATION AND OFFSET TABLE CONT'		
POINT NO.	STATION	OFFSET
TLE2242	272+97.12	42.34
TLE2243	272+96.03	44.02
TLE2244	272+68.72	83.66
TLE2245	272+66.29	88.82
TLE2246	272+27.34	64.24
TLE2247	272+26.67	66.08
TLE2248	271+60.04	41.11
TLE2249	271+42.64	43.83
TLE2250	271+17.98	125.00
TLE2251	271+19.35	125.65
TLE2252	271+10.53	164.36
TLE2253	271+08.09	217.81
TLE2254	271+06.96	217.69

1334406
RECORDED
April 18, 2013 2:00 PM
SHARON A MARTIN, REGISTER OF DEEDS
WASHINGTON COUNTY, WISCONSIN
Fee Amount: $25.00

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1330-24-20-4.05
AMENDMENT NO:



LOCATION SKETCH

STH 83
CURVE 1 DATA
PI = 271+88.52
Y = 143447.70
X = 311422.46
PC = 270+91.36
Y = 143350.55
X = 311420.93
PT = 272+80.35
Y = 143530.18
X = 311371.09
T = 97.16
L = 188.99
R = 330.00
DELTA = 32°48'47" LT
D = 17°21'44"

CITY OF HARTFORD

CONC. MON. W/BRASS CAP
Y=143193.47
X=310097.85

N 01°21'01" E 2637.00'

INTERSECTION OF SAWCUT MARKS
Y=145829.74
X=310159.99

BECKERS ADDITION TO HARTFORD BLOCK 2

LOT 7 | LOT 6 | LOT 5

SW/SW

E LINCOLN AVE

N80°32'59"E 1336.27' MON. TO PNT. 4065

N87°37'19"W 44.60'

N04°03'21"W 77.04'

PC STA270+91.36

STH 83 (GRAND AVE)

CURVE 1

N87°37'19"W 22.00'

N74°58'27"W 5.87'

N87°37'19"W 9.01'

PT STA272+80.35

N 31°54'56" W

STH 83 (BRANCH ST)

S31°54'56"E 13.16'

N57°47'40"E 24.75'

N59°02'55"E 24.75'

S31°54'56"E 273.62'

SLOPE INTERCEPT

S74°58'27"E 142.16'

S20°32'00"E 15.52'

N00°59'50"W 300.59'

WEST LINE OF THE SE1/4 OF THE SW1/4

OF GRAND AVE

S86°02'40"E 14.23'

N00°59'50"E 14.24'

S84°22'58"E 217.79'

S84°22'58"E 21.87'

HARKERS ADDITION BLOCK 2
LOT 2
LOT 1

SE/SW

KISSEL WHEELOCK ADDITION
LOT 24 | LOT 23 | LOT 22 | LOT 21

LOT 4 ADDITION TO KISSELS WHEELOCK ADDITION BLOCK 9 LOT 3

E LINCOLN AVE

S88°20'56"E 30'

IP 756 | IP 757 | IP 876 | IP 877 | IP 878 | IP 872 | IP 873 | IP 874 | IP 875

E. WASHINTON AVE

10' EASEMENT FOR DRIVEWAY PURPOSES
VOL. 129 PG. 438
DOC. 173999

RIGHT OF WAY STATION AND OFFSET TABLE		
POINT NO.	STATION	OFFSET
4064	271+64.97	-43.41
4065	271+53.98	0.00
4066	271+52.10	8.80
4067	271+09.12	164.24
4091	272+47.95	-23.27
4092	275+79.48	-24.75
4093	275+79.60	0.00
4094	275+66.45	0.00
4095	272+92.41	24.75
4096	272+84.07	36.28
4097	272+79.30	66.06
PRW1101	271+59.56	32.82
PRW1102	271+45.75	35.73

HARTFORD

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

Refer to the Title Sheet, recorded as Sheet 2 of 2, in Map Book 51, Page 2, as Document No. 1333375 for additional information

PREVIOUS ACCESS CONTROL ESTABLISHED BY: HARKERS ADDITION

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION CONTACT THE PLANNING DEPARTMENT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WAUKESHA

ALL TLES SHOWN ON THIS SHEET ARE FOR SLOPE GRADING

SCALE, FEET 0 20 40

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 DEPARTMENT.

PARCEL NUMBER	OWNERS	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES
19	DENNIS R. & MARGARET M. WIEDMEYER	TLE	---	---	---	0.018
21	ANDRE P. KACZMAREK	TLE	---	---	---	0.014
22	GERALD D. & JOLENE A. MEUNIER	TLE	---	---	---	0.006
23	KEVIN W. & NICOLE M. LIPSKE	TLE	---	---	---	0.006
24	PATRICK J. RICHTER	TLE	---	---	---	0.007
26	KATHLEEN M. HENDERSON & BERNARD BIALK	TLE	---	---	---	0.024
27	MARK J. KOEHLER	TLE	---	---	---	0.002
28	WILLIAM J. & THERESE A. BAIRD	FEE/TLE	0.001	---	0.001	0.020
29	SANDRA D. DEMERCHANT	TLE	---	---	---	0.007
31	ERIKA RIVERA-HENTZELL	TLE	---	---	---	0.006
32	GARY W. HARTWIG	TLE	---	---	---	0.001
33	ALAN E. & CINDY L. BUSH	TLE	---	---	---	0.001
34	ADAM PFAFF	TLE	---	---	---	0.001

EMCS

I, KEVIN C. BOYER, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 66.22 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY, I HAVE SURVEYED TRANSPORTATION PROJECT PLAT 1330-24-20-4.05 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

Kevin C. Boyer DATE: 4/9/2013

WISCONSIN LAND SURVEYOR KEVIN C BOYER S-2675 HEWITT WI

REGISTERED LAND SURVEYOR NUMBER 2675

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF HARTFORD

(SIGNATURE) DATE: 4/9/2013

(PRINTED NAME) Joseph C. Gustafson, Mayor

183

FILE NAME : P:\46xx\4619_SP.STH83.WAS\CADDS\Plan\040105_rp.dgn
APPRAISAL PLAT DATE :
PLOT DATE : 4/8/2013
PLOT BY : kcb
PLOT NAME :
PLOT SCALE : 1:20

1330-24-70, STH 83, 1330-24-20 4.05

MAP BOOK 52 Page 9

TRANSPORTATION PROJECT PLAT NO: 1330-24-20 - 4.06

THAT PART OF LOTS 1-5, BLOCK 1, BECKERS ADDITION TO HARTFORD, OUTLOTS 166, 167, & OUTLOTS 171-176, CITY OF HARTFORD ASSESSORS PLAT, LOTS 17-20, KISSEL WHEELOCK ADDITION, ALL BEING LOCATED IN AND PART OF THE SW1/4 OF THE SW1/4 OF SECTION 21, TOWNSHIP 10 NORTH, RANGE 18 EAST, CITY OF HARTFORD, WASHINGTON COUNTY, WISCONSIN

RELOCATION ORDER STH 83 WASHINGTON COUNTY

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 66.22, WISCONSIN STATUTES, THE CITY OF HARTFORD HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF HARTFORD, PURSUANT TO THE PROVISIONS OF SECTION 66.22, WISCONSIN STATUTES.

1334407
RECORDED
April 16, 2013 2:00 PM
SHARON A MARTIN, REGISTER OF DEEDS
WASHINGTON COUNTY, WISCONSIN
Fee Amount: $25.00

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1330-24-20-4.06
AMENDMENT NO:

CONC. MON.
W/BRASS CAP
Y=143193.47
X=310097.85

N 01°21'01" E
2631.00'

MON. TO PNT. 4094
N62°40'54"E
1262.82'

INTERSECTION OF
SAWCUT MARKS
Y=145829.74
X=310159.99

CITY OF HARTFORD

E. WASHINTON AVE

TLE STATION AND OFFSET TABLE		
POINT NO.	STATION	OFFSET
TLE2235	275+79.36	-48.00
TLE2236	275+66.03	24.75
TLE2237	275+66.01	26.00
TLE2276	276+39.40	-40.78
TLE2277	276+44.18	-30.00
TLE2278	276+98.00	-30.00
TLE2279	276+98.00	-33.00
TLE2280	277+31.00	-33.00
TLE2281	277+31.00	-28.00
TLE2282	278+92.00	-28.00
TLE2283	278+92.00	-33.00
TLE2284	279+17.00	-33.00
TLE2285	279+17.00	-30.00
TLE2286	280+10.34	-30.00
TLE2287	280+10.34	-31.00
TLE2288	280+46.00	-31.00

TLE STATION AND OFFSET TABLE CONT'		
POINT NO.	STATION	OFFSET
TLE2289	280+46.00	-30.00
TLE2290	281+03.80	-30.00
TLE2291	281+03.12	-24.75
TLE2292	281+21.78	24.75
TLE2293	281+21.69	30.00
TLE2294	280+59.00	30.00
TLE2295	280+59.00	37.00
TLE2296	280+41.00	37.00
TLE2297	280+41.00	28.00
TLE2298	279+25.00	28.00
TLE2299	279+25.00	30.00
TLE2300	279+15.00	30.00
TLE2301	279+15.00	27.00
TLE2302	278+50.00	27.00
TLE2303	278+39.13	34.00
TLE2304	278+24.96	34.00

TLE STATION AND OFFSET TABLE CONT'		
POINT NO.	STATION	OFFSET
TLE2305	278+24.85	41.00
TLE2306	278+08.00	41.00
TLE2307	278+08.00	27.00
TLE2308	277+87.00	27.00
TLE2309	277+87.00	29.00
TLE2310	277+69.00	29.00
TLE2311	277+69.00	26.00
TLE2312	277+40.00	26.00
TLE2313	277+40.00	36.00
TLE2314	277+22.00	36.00
TLE2315	277+22.00	26.00
TLE2316	276+79.00	26.00
TLE2317	276+79.00	29.00
TLE2318	276+50.00	29.00
TLE2319	276+50.00	26.00

BECKERS ADDITION TO HARTFORD
BLOCK 1
LOT 1 LOT 2 LOT 3 LOT 4 LOT 5

CITY OF HARTFORD ASSESSORS PLAT
OUTLOT 165 OUTLOT 166 OUTLOT 167

STH 83 (BRANCH ST)

SW/SW

KISSEL WHEELOCK ADDITION
LOT 17 LOT 18 LOT 19 LOT 20

OUTLOT 170 OUTLOT 171 OUTLOT 172 OUTLOT 173 OUTLOT 174 OUTLOT 175 OUTLOT 176

CITY OF HARTFORD ASSESSORS PLAT

10' EASEMENT FOR DRIVEWAY PURPOSES VOL. 129 PG. 438 DOC. 173999

8' EASEMENT FOR DRIVEWAY PURPOSES VOL. 122 PG. 488 DOC. 166212

5' EASEMENT FOR DRIVEWAY PURPOSES VOL. 79 PG. 78 DOC. 109396

SLOPE INTERCEPT

N 31°54'56" W

459.52'

555.75'

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

Refer to the Title Sheet, recorded as Sheet 2 of 2, in Map Book 51, Page 2, as Document No. 1333375 for additional information

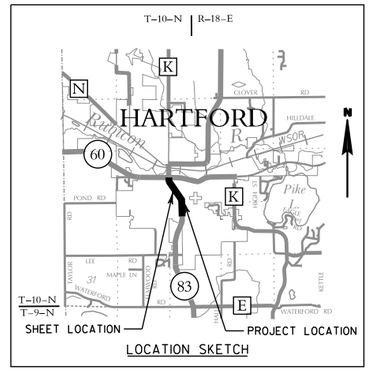
SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL NUMBER	OWNERS	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES
36	JOSE HECTOR TOVAR	FEE/TLE	0.001	---	0.001	0.006
37	KEITH D. & KIM C. LEWIN	TLE	---	---	---	0.008
38	BRIAN S. & REBECCA S. SWENSON	TLE	---	---	---	0.004
39	KENNETH T. & TINA M. SORRELLS	TLE	---	---	---	0.004
41	PAMELA SALEFSKE	TLE	---	---	---	0.007
42	HSBC MORTGAGE SERVICES INC.	TLE	---	---	---	0.015
43	ANTHONY W. GROLL & CARRIE A. BRISTOLL-GROLL	TLE	---	---	---	0.010
44	BRUNO L. & INGRID D. MAZZINI	TLE	---	---	---	0.001
46	JASON C. BENDER	TLE	---	---	---	0.002
47	COLLIN D. & ANN M. ALBRECHT	TLE	---	---	---	0.003
48	KENT V. & BONNIE JEAN KRUEGER, TO EACH ONE HALF UNDIVIDED INTEREST	TLE	---	---	---	0.006
49	JOHN S. & VERONICA V. EWING	TLE	---	---	---	0.005
51	GARY J. STUETTGEN, JR.	TLE	---	---	---	0.009
52	DAVID J. & JUDITH E. SCHARFENBERGER	TLE	---	---	---	0.005
53	ROBERT D. & JOYCE BREEN	TLE	---	---	---	0.006
54	MICHAEL S. & PAULA M. WINTER	TLE	---	---	---	0.008
56	RICHARD O. DUECK	TLE	---	---	---	0.006

HARTFORD

RIGHT OF WAY STATION AND OFFSET TABLE		
POINT NO.	STATION	OFFSET
4092	275+79.48	-24.75
4093	275+79.60	0.00
4094	275+66.45	0.00
4126	276+39.36	-48.30
4127	280+99.89	0.00
4128	281+22.20	0.00
4129	276+39.48	-24.75
PRW1121	276+39.47	-26.69
PRW1122	276+43.59	-24.75



LOCATION SKETCH

SCALE, FEET 0 20 40

HIGHWAY	BASIS OF EXISTING R/W	R/W WIDTH	YEAR
STH 83	BECKERS ADDITION TO HARTFORD	49.50'	1911
E LINCOLN AVE	BECKERS ADDITION TO HARTFORD	54.75'	1911
STH 83	KISSELS WHEELOCK ADDITION	N/A	1901
STH 83	CITY OF HARTFORD ASSESSORS PLAT	49.50'	1940

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION CONTACT THE PLANNING DEPARTMENT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WAUKESHA

ALL TLES SHOWN ON THIS SHEET ARE FOR SLOPE GRADING

EMCS

I, KEVIN C. BOYER, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 66.22 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY, I HAVE SURVEYED TRANSPORTATION PROJECT PLAT 1330-24-20-4.06 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

Kevin C. Boyer DATE: 4/9/2013

KEVIN C BOYER S-2675 HEWITT WI LAND SURVEYOR

REGISTERED LAND SURVEYOR NUMBER 2675
THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF HARTFORD

(SIGNATURE) DATE: 04/15/2013
(PRINTED NAME) Joseph A. Dautermann MAYOR

FILE NAME : P:\46xx\4619_SP.STH83.WAS\CADDS\Plan\040106_rp.dgn
APPRAISAL PLAT DATE :
PLOT DATE : 4/8/2013 PLOT BY : kcb PLOT NAME : PLOT SCALE : 1:20

1330-24-70, STH 83, 1330-24-20 4.06

Map Book 52 Page 10

TRANSPORTATION PROJECT PLAT NO: 1330-24-20 - 4.07

THAT PART OF OUTLOTS 164, 165, 168-170, CITY OF HARTFORD ASSESSORS PLAT, LOTS 9 & 10, BLOCK B, MARTIN LOOS ADDITION TO THE VILLAGE OF HARTFORD, LOCATED IN AND PART OF THE SW1/4 OF THE SW1/4, LOTS 7-9, BLOCK A, MARTIN LOOS ADDITION TO THE VILLAGE OF HARTFORD AND OUTLOTS 205-209, CITY OF HARTFORD ASSESSORS PLAT, AND PART OF LOT 1 OF CSM 3001, ALL BEING LOCATED IN PART OF THE NW1/4 OF THE SW1/4 OF SECTION 21, TOWNSHIP 10 NORTH, RANGE 18 EAST, CITY OF HARTFORD, WASHINGTON COUNTY, WISCONSIN

RELOCATION ORDER STH 83 WASHINGTON COUNTY

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 66.22, WISCONSIN STATUTES, THE CITY OF HARTFORD HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF HARTFORD, PURSUANT TO THE PROVISIONS OF SECTION 66.22, WISCONSIN STATUTES.

133408
RECORDED
April 16, 2013 2:00 PM
SHARON A MARTIN, REGISTER OF DEEDS
WASHINGTON COUNTY, WISCONSIN
Fee Amount: $25.00

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1330-24-20-4.07
AMENDMENT NO:

CONC. MON.
W/BRASS CAP
Y=143193.47
X=310097.85

N 01°21'01" E
2637.00'

CITY

INTERSECTION OF
SAWCUT MARKS
Y=145829.74
X=310159.99

N39°07'59"E 1330.90'
MON. TO PNT. 4127

LOCATION SKETCH

SHEET LOCATION — PROJECT LOCATION

T-10-N | R-18-E

T-10-N
T-9-N

PLE STATION AND OFFSET TABLE		
POINT NO.	STATION	OFFSET
PLE3101	286+65.00	24.75
PLE3102	286+66.34	33.00

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

MARTIN LOOS ADDITION
TO THE VILLAGE OF HARTFORD
BLOCK B

MARTIN LOOS ADDITION
TO THE VILLAGE OF HARTFORD
BLOCK A

SCALE, FEET 0 20 40

OUTLOT 165 | CITY OF HARTFORD ASSESSORS PLAT | OUTLOT 164 | LOT 10 | LOT 9 | LOT 8 | LOT 7 | OUTLOT 184

E LOOS ST

STH 83 (BRANCH ST)

PI STA283+79.14
Y=144462.86
X=310790.19

IP 917

SLOPE INTERCEPT

N31°54'56"W 258.72'

N32°11'55"W 209.26'

N74°29'32"E 25.64'

N32°11'55"W 55.25'

S89°02'05"E 29.57'

PLE FOR DRAINAGE

SW/SW | NW/SW

OUTLOT 171 | CITY OF HARTFORD ASSESSORS PLAT | OUTLOT 170 | OUTLOT 169 | OUTLOT 168 | OUTLOT 209 | OUTLOT 208 | OUTLOT 207 | OUTLOT 206 | OUTLOT 205 | OUTLOT 204 | CITY OF HARTFORD ASSESSORS PLAT

LOT-1
CSM 3001
VOL.17 PG.106
DOC. 503621

5' DRIVEWAY EASEMENT
VOL. 81 PG. 504
DOC. 115590

5' DRIVEWAY EASEMENT
VOL. 93 PG. 209
DOC. 128356

NORTH LINE OF THE SW1/4 OF THE SW1/4

HARTFORD

Refer to the Title Sheet, recorded as Sheet 2 of 2, in Map Book 51, Page 2, as Document No. 1333375 for additional information

HIGHWAY	BASIS OF EXISTING R/W	R/W WIDTH	YEAR
STH 83	CITY OF HARTFORD ASSESSORS PLAT	49.50'	1940
STH 83	MARTIN LOOS ADDITION TO THE VILLAGE OF HARTFORD	49.50'	1874
E LOOS ST	MARTIN LOOS ADDITION TO THE VILLAGE OF HARTFORD	49.50'	1874
STH 83	CSM 3001	49.50'	1986

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 DEPARTMENT.

PARCEL NUMBER	OWNERS	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	PLE ACRES	TLE ACRES
57	JOHN T. HAGEDORN	TLE	---	---	---	---	0.011
58	MARK J. & JANICE D. GRISSMAN	TLE	---	---	---	---	0.010
59	JORGEN T. & BARBARA L. KORNBECK	TLE		---		---	0.013
61	LOUIS A. & NATIVIDAD D. HULTMAN	FEE/TLE	0.001	---	0.001	---	0.013
62	DAVID E. & DEBORAH W. MILLER	FEE/TLE	0.001	---	0.001	---	0.012
63	LAND CONTRACT, ROBERT MEZNARICH & JILL MEZNARICH AS VENDOR AND KEVIN M. & MARISA K. WILLIAMS AS PURCHASER	TLE	---	---	---	---	0.008
64	JUDY M. GOEHRING	TLE	---	---	---	---	0.011
66	RICHARD O. DUECK	TLE	---	---	---	---	0.006
67	SEAN P. GLYNN	FEE/TLE	0.001	---	0.001	---	0.018
68	JOSEPH C. & BARBARA L. HENNING	FEE/TLE	0.004	---	0.004	---	0.006
69	DANIEL J. & LAURA C. ERMANN	TLE	---	---	---	---	0.015
71	JOSEPH TAJNAL PROPERTIES I, LLC	TLE	---	---	---	---	0.011
72	GARY L. & JANNA R. GROSSE	TLE	---	---	---	---	0.005
73	JASON & MARY STEFAN	TLE	---	---	---	---	0.005
74	ISABEL M. GAUPER	PLE/TLE	---	---	---	0.001	0.005

RIGHT OF WAY STATION AND OFFSET TABLE		
POINT NO.	STATION	OFFSET
4127	280+99.89	0.00
4128	281+22.20	0.00
4151	283+65.61	-24.75
4152	284+24.82	-24.75
4153	286+40.08	-24.75
4154	286+32.66	0.00
4155	286+87.91	0.00
4156	286+71.74	24.75
4157	283+92.47	24.75
4158	283+33.61	24.75
PRW1151	283+61.84	-24.75
PRW1152	283+66.97	-26.85
PRW1153	284+27.44	-28.75
PRW1154	284+30.82	-24.75
PRW1155	283+28.88	32.07
PRW1156	283+25.57	27.59
PRW1157	283+03.28	27.88
PRW1158	282+63.17	24.75

TLE STATION AND OFFSET TABLE		
POINT NO.	STATION	OFFSET
TLE2290	281+03.80	-30.00
TLE2291	281+03.12	-24.75
TLE2292	281+21.78	24.75
TLE2293	281+21.69	30.00
TLE2351	281+50.00	-30.00
TLE2352	281+50.00	-37.00
TLE2353	281+87.00	-37.00
TLE2354	281+87.00	-30.00
TLE2355	282+21.00	-30.00
TLE2356	282+21.00	-40.00
TLE2357	282+46.00	-40.00
TLE2358	282+46.00	-30.00
TLE2359	283+65.43	-30.00
TLE2360	283+94.27	-73.97
TLE2361	283+96.78	-72.33
TLE2362	284+38.15	-45.14
TLE2363	284+40.66	-43.50
TLE2364	284+32.89	-31.60
TLE2365	284+34.24	-30.00
TLE2366	284+75.00	-30.00
TLE2367	284+75.00	-35.00

TLE STATION AND OFFSET TABLE CONT'		
POINT NO.	STATION	OFFSET
TLE2368	285+00.00	-30.21
TLE2369	286+37.00	-30.00
TLE2370	286+37.00	-44.00
TLE2371	286+45.85	-44.00
TLE2372	286+65.00	33.00
TLE2373	286+64.38	36.00
TLE2374	286+62.00	36.00
TLE2375	286+62.00	29.00
TLE2376	284+70.74	29.00
TLE2377	284+61.64	44.16
TLE2378	284+40.57	31.00
TLE2379	283+95.56	31.00
TLE2380	283+69.36	71.69
TLE2381	283+64.32	68.43
TLE2382	283+25.00	38.07
TLE2383	283+25.00	31.00
TLE2384	282+80.00	31.00
TLE2385	282+80.00	35.00
TLE2386	282+20.00	35.00
TLE2387	282+20.00	30.00

ALL TLES SHOWN ON THIS SHEET ARE FOR SLOPE GRADING

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION CONTACT THE PLANNING DEPARTMENT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WAUKESHA

EMCS

I, KEVIN C. BOYER, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 66.22 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY, I HAVE SURVEYED TRANSPORATION PROJECT PLAT 1330-24-20-4.07 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

Kevin C. Boyer DATE: 4/9/2013

KEVIN C BOYER S-2675 HEWITT WI LAND SURVEYOR

REGISTERED LAND SURVEYOR NUMBER 2675

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF HARTFORD

(SIGNATURE) Mayor DATE: 04/16/2013

(PRINTED NAME) Jesse Dunn

FILE NAME : P:\46xx\4619_SP.STH83.WAS\CADDS\Plan\040107_rp.dgn
APPRAISAL PLAT DATE :
PLOT DATE : 4/8/2013 PLOT BY : kcb PLOT NAME : PLOT SCALE : 1:20

1330-24-70, STH 83, 1330-24-20 4.07

MAP Book 52 Page 11

1334409
RECORDED
April 18, 2013 2:00 PM
SHARON A MARTIN, REGISTER OF DEEDS
WASHINGTON COUNTY, WISCONSIN
Fee Amount: $25.00

TRANSPORTATION PROJECT PLAT NO: 1330-24-20 - 4.08

THAT PART OF OUTLOT 179, OUTLOTS 184-188, OUTLOT 190, OUTLOTS 195-196, OUTLOTS 202-204, CITY OF HARTFORD ASSESSORS PLAT, ALL BEING LOCATED IN AND PART OF THE NW1/4 OF THE SW1/4 OF SECTION 21, TOWNSHIP 10 NORTH, RANGE 18 EAST, CITY OF HARTFORD, WASHINGTON COUNTY, WISCONSIN

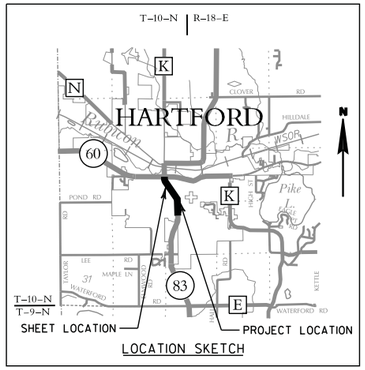
RELOCATION ORDER STH 83 WASHINGTON COUNTY

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 66.22, WISCONSIN STATUTES, THE CITY OF HARTFORD HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF CITY OF HARTFORD, PURSUANT TO THE PROVISIONS OF SECTION 66.22, WISCONSIN STATUTES.

HIGHWAY	BASIS OF EXISTING R/W	R/W WIDTH	YEAR
STH 83	CITY OF HARTFORD ASSESSORS PLAT	49.50'	1940
SOUTH ST	CITY OF HARTFORD ASSESSORS PLAT	49.50'	1940

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1330-24-20-4.08
AMENDMENT NO:



LOCATION SKETCH

PLE STATION AND OFFSET TABLE		
POINT NO.	STATION	OFFSET
PLE3102	286+66.34	33.00
PLE3121	290+44.00	24.75
PLE3122	290+56.00	24.75
PLE3123	290+56.00	30.00
PLE3124	290+44.00	30.00
PLE3125	286+79.00	24.75
PLE3126	286+79.00	33.00

CONC. MON.
W/BRASS CAP
Y=143193.47
X=310097.85

N 01°21'01" E
2631.00'

CITY

OUTLOT 185

10' RIGHT-OF-WAY EASEMENT
VOL. 471 PG. 514
DOC. 810420

INTERSECTION OF SAWCUT MARKS
Y=145829.74
X=310159.99

OUTLOT 184

INGRESS/EGRESS EASEMENT
DOC. 1109600

S23°15'03"E 1254.21'
MON. TO PNT. 4154

OUTLOT 186

OUTLOT 187

OUTLOT 188

CITY OF HARTFORD ASSESSORS PLAT

OUTLOT 179

LOT 2

TLE2371 TLE2411 TLE2412 TLE2413 TLE2414 TLE2415 TLE2416 TLE2417 TLE2418 TLE2419 TLE2420 TLE2421 TLE2422 TLE2423 TLE2424

76 77 78 79 81

22' 5.25' 19.25' 27.25' 4.25' 28.25' 8.25' 4.25' 44'

(1.5 IN) IP 902 (0.75 IN) IP 901 IP 903 (1.5 IN) IP 904

577.78

SLOPE INTERCEPT

4153 4154 4155 4171 4172 4173

S74°29'32"W 25.84'

S32°11'55"E 55.25'

N 32°11'55" W

PI STA287+39.45
Y=310598.20
X=144767.75

N32°15'26"W

N 32°16'09" W

N59°29'56"E 24.76'

S32°16'09"E 10.63'

287 288 289 290 291 292

℄ OF STH 83 (BRANCH ST)

24.75'

S89°02'29"E 29.59'

N89°02'05"W 29.57'

PLE3125 PLE3121 PLE3122

4156 4177 4175 4176 4174

IP 897 IP 898 IP 899 IP 900

S32°11'55"E 57.85'

S00°27'29"W 105.55'

N89°41'48"E 11.38'

N00°27'29"E 10.72'

S89°27'37"E 49.50'

S32°16'09"E

NW/SW

PLE FOR DRAINAGE

348.10'

PLE3102 PLE3126 PLE3124 PLE3123

TLE2373 TLE2454 TLE2453 TLE2455 TLE2447 TLE2448 TLE2449 TLE2450 TLE2446 TLE2445 TLE2443 TLE2444 TLE2442 TLE2441 TLE2440 TLE2439 TLE2438 TLE2437 TLE2436 TLE2435 TLE2434 TLE2433 TLE2432 TLE2431 TLE2430

83 84 86 87 88 89 91

8.25' 3.00' 26' 2.25' 7.25' 5.25' 10.25' 3.25' 4.25' 14' 5.00'

OUTLOT 203

OUTLOT 204

8' DRIVEWAY EASEMENT
VOL. 70 PG. 641
DOC. 99154

10'x125' DRIVEWAY EASEMENT
VOL. 1004 PG. 40
DOC. 534846

OUTLOT 202

CITY OF HARTFORD ASSESSORS PLAT

OUTLOT 201

OUTLOT 196

OUTLOT 195
CITY OF HARTFORD ASSESSORS PLAT

OUTLOT 194

OUTLOT 190

TLE2452 TLE2451 IP 921 (0.75 IN) IP 927 49.5'

SOUTH ST

HARTFORD

OUTLOT 193

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

Refer to the Title Sheet, recorded as Sheet 2 of 2, in Map Book 51, Page 2, as Document No. 1333375 for additional information

ALL TLES SHOWN ON THIS SHEET ARE FOR SLOPE GRADING

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION CONTACT THE PLANNING DEPARTMENT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WAUKESHA

ALL TLES SHOWN ON THIS SHEET ARE FOR SLOPE GRADING
EXISTING BUILDINGS WHICH OCCUPY TLE AREAS WILL NOT BE AFFECTED

SCALE, FEET 0 20 40

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 DEPARTMENT.

PARCEL NUMBER	OWNERS	INTEREST REQUIRED	PLE ACRES	TLE ACRES
76	DAVID R. & MARCIA HOLTMAN	TLE	---	0.029
77	US BANK NATIONAL ASSOCIATION, AS TRUSTEE FOR STRUCTURED ASSET SECURITIES CORPORATION TRUST 2006-WF2	TLE	---	0.029
78	ROBERT G. & SHELLEY L. LUTZ	TLE	---	0.003
79	BARTLEY G. VANZANDBERGEN	TLE	---	0.024
81	RACHEL RASMUSSEN	TLE	---	0.002
83	JOSEPH M. & LUCILLE A. ANSAY	PLE/TLE	0.002	0.007
84	ROBERT R. SIAS	TLE	---	0.004
86	JAMES A. & CAROL A. NYSWONGER	TLE	---	0.004
87	GARY E. SCHLIEVE AND KATHLEEN F. SCHLIEVE, CO-TRUSTEES OF THE GARY E. SCHLIEVE AND KATHLEEN F. SCHLIEVE REVOCABLE DECLARATION OF TRUST, DATED DEC. 24, 1992	TLE	---	0.009
88	JAMES A. STANISZEWSKI	TLE	---	0.012
89	GILBERT BROWN & ASSOCIATES, INC.	PLE/TLE	0.001	0.011
91	ROBERT E. & RENEE A. SERCHEN	TLE	---	0.014

TLE STATION AND OFFSET TABLE		
POINT NO.	STATION	OFFSET
TLE2371	286+45.85	-44.00
TLE2373	286+64.38	36.00
TLE2411	287+28.00	-44.00
TLE2412	287+39.41	-30.00
TLE2413	287+50.00	-30.00
TLE2414	287+59.98	-52.00
TLE2415	287+80.88	-52.00
TLE2416	287+80.88	-29.00
TLE2417	288+08.44	-29.00
TLE2418	288+14.38	-53.00
TLE2419	288+31.00	-53.00
TLE2420	288+31.00	-33.00
TLE2421	288+70.00	-33.00
TLE2422	288+75.00	-29.00

TLE STATION AND OFFSET TABLE CONT'		
POINT NO.	STATION	OFFSET
TLE2423	288+97.00	-29.00
TLE2424	289+00.00	-24.75
TLE2430	291+88.15	28.00
TLE2431	291+50.00	28.00
TLE2432	291+50.00	32.00
TLE2433	291+25.00	32.00
TLE2434	291+25.00	29.00
TLE2435	291+00.00	29.00
TLE2436	291+00.00	32.00
TLE2437	290+79.00	32.00
TLE2438	290+79.00	28.00
TLE2439	290+59.00	28.00
TLE2440	290+59.00	35.00
TLE2441	290+41.00	35.00

TLE STATION AND OFFSET TABLE CONT'		
POINT NO.	STATION	OFFSET
TLE2442	290+41.00	30.00
TLE2443	289+75.00	30.00
TLE2444	289+75.00	32.00
TLE2445	289+07.00	32.00
TLE2446	289+07.00	27.00
TLE2447	288+88.00	27.00
TLE2448	288+88.00	30.00
TLE2449	288+51.72	30.00
TLE2450	288+45.17	40.20
TLE2451	288+18.35	81.80
TLE2452	288+16.72	84.32
TLE2453	287+31.36	30.00
TLE2454	286+82.00	30.00
TLE2455	286+82.00	36.00

RIGHT OF WAY STATION AND OFFSET TABLE		
POINT NO.	STATION	OFFSET
4153	286+40.08	-24.75
4154	286+32.66	0.00
4155	286+87.91	0.00
4156	286+71.74	24.75
4171	292+17.89	-24.75
4172	292+17.12	0.00
4173	292+06.49	0.00
4174	291+90.28	24.75
4175	288+42.17	24.75
4176	288+36.15	34.40
4177	287+29.59	24.75

EMCS

I, KEVIN C. BOYER, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 66.22 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY, I HAVE SURVEYED TRANSPORTATION PROJECT PLAT 1330-24-20-4.08 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

Kevin C. Boyer DATE: 4/9/2013

WISCONSIN KEVIN C BOYER S-2675 HEWITT WI LAND SURVEYOR

REGISTERED LAND SURVEYOR NUMBER 2675
THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF HARTFORD

Joseph C Dietzmann DATE: 4/16/13
(SIGNATURE)
(PRINTED NAME) Joseph C Dietzmann MAYOR

FILE NAME : P:\46xx\4619_SP.STH83.WAS\CADDS\Plan\040108_rp.dgn
APPRAISAL PLAT DATE :
PLOT DATE : 4/8/2013 PLOT BY : kcb PLOT NAME : PLOT SCALE : 1:20

1330-24-70, STH 83, 1330-24-20 4.08

MAP Book 52 Page 12

TRANSPORTATION PROJECT PLAT NO: 1330-24-20 - 4.09

THAT PART OF LOTS 1 & LOT 4, OUTLOT 191, CITY OF HARTFORD ASSESSORS PLAT AND LOT 1, LECOUNTS ADDITION TO THE VILLAGE OF HARTFORD, ALL BEING LOCATED IN AND PART OF THE NW1/4 OF THE SW1/4 OF SECTION 21; ALSO, LOT 1, BLOCK 1, MUSGROVE & FREEMANS ADDITION TO HARTFORD, LOCATED IN AND PART OF THE NE1/4 OF THE SE1/4 OF SECTION 20, ALL BEING LOCATED IN AND PART OF TOWNSHIP 10 NORTH, RANGE 18 EAST, CITY OF HARTFORD, WASHINGTON COUNTY, WISCONSIN

RELOCATION ORDER STH 83 WASHINGTON COUNTY

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 66.22, WISCONSIN STATUTES, THE CITY OF HARTFORD HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF HARTFORD, PURSUANT TO THE PROVISIONS OF SECTION 66.22, WISCONSIN STATUTES.

HIGHWAY	BASIS OF EXISTING R/W	R/W WIDTH	YEAR
STH 83	CITY OF HARTFORD ASSESSORS PLAT	49.50'	1940
S MAIN ST -STH 83	MUSGROVE & FREEMAN'S ADDITION TO HARTFORD	N/A	1854
KOSSUTH ST	MUSGROVE & FREEMAN'S ADDITION TO HARTFORD	49.50'	1854
STH 83	LECOUNTS ADDITION TO THE VILLAGE OF HARTFORD	N/A	N/A

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
210	CITY OF HARTFORD - ELECTRIC	RELEASE OF RIGHTS

1334410
RECORDED
April 16, 2013 2:00 PM
SHARON A MARTIN, REGISTER OF DEEDS
WASHINGTON COUNTY, WISCONSIN
Fee Amount: $25.00

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1330-24-20-4.09
AMENDMENT NO:

CONC. MON. W/BRASS CAP
Y=143193.47
X=310097.85

MON. TO PNT. 4203
N 01°21'01" E
2136.77'

CITY OF HARTFORD - ELECTRIC
NO RECORD OF EASEMENT - PAR 96

LOT 5

WEST LINE OF LOT 1

S MAIN ST

(0.75 IN) IP 933

N88°38'59"W 33.00'

N01°21'01"E

LOT 1

MUSGROVE & FREEMAN'S ADDITION TO HARTFORD BLOCK 1

93

NE/SE

49.5'

KOSSUTH ST

SCALE, FEET 0 20 40

CITY OF HARTFORD ASSESSORS PLAT LOT 1

92

WEST LINE OF THE NW1/4 OF THE SW1/4

S01°21'01"W 51.05'

N88°38'59"W 33.00'

TLE2482 TLE2481 TLE2480

4202 4203 4204

TLE2484 TLE2486 TLE2485 TLE2483 TLE2487

153.78'

IP 905 4205

N01°09'45"E 49.50'

N88°50'15"W 10.00'

S88°50'15"E 10.16'

4206 4207

MUSGROVE ADDITION TO HARTFORD BLOCK 1 LOT 4

CANOPY

3' RIGHT-OF-WAY EASEMENT VOL. 796 PG. 262 DOC. 454659

N01°21'01"E 56.02'

4208

S89°11'27"E 33.00'

33'

4209

MON. TO PNT. 4209
N 01°21'01" E
240.62'

SLOPE INTERCEPT

INTERSECTION OF SAWCUT MARKS
Y=145829.74
X=310159.99

CITY

LOT 2

TLE2477 TLE2476 TLE2478 TLE2479

4171

(1.5 IN) IP 904

S59°29'56"W 24.76'

5.25'

TLE2497 TLE2496 TLE2498 TLE2499

2.25'

N32°16'09"W 261.16'

24.75'

292 293 294 295 296

N 32°16'09" W

STH 83 (BRANCH ST)

4172 4173

N32°16'09"W 10.63'

N89°02'29"W 29.59'

4174

IP 900

S32°16'09"E 3.25' 123.83'

TLE2430

94

OUTLOT 190

OUTLOT 191
CITY OF HARTFORD // ASSESSORS PLAT

4214 4212

S89°33'42"E 38.95'

N89°33'42"W 6.24'

S01°30'26"W 49.51'

4213

TLE2495 TLE2492 TLE2494 TLE2493

S32°16'09"E 15.25' 136.75'

SIGN

PC STA295 .87

PRW1214 4211

48.62' S20°48'07"E

PRW1213 PRW1212

TLE2491

S05°44'36"E 11.46'

SLOPE INTERCEPT

S01°21'01"W 99.58'

2.5'

CURVE 2

PT STA296+46.54

STH 83 (S MAIN ST)

297

TLE2490 TLE2489

SIGN

10.5'

PRW1211 TLE2488

12' DRIVEWAY EASEMENT VOL. 319 PG. 375 DOC. 243358

HARTFORD

10' DRIVEWAY EASEMENT VOL. 85 PG. 395 DOC. 120017

LOT 1

LOT 4 CITY OF HARTFORD ASSESSORS PLAT

96

49.5'

CHURCH ST

LOT 2

LECOUNTS ADDITION TO THE VILLAGE OF HARTFORD

IP 930

ACCESS EASEMENT LOT-1/LOT-2 VOL. 1475 PG. 21 DOC. 682234

(0.75 IN) IP 928

LOT 3

LOT 3

STH 83 CURVE 2 DATA
PI = 295+75.87
Y = 145474.99
X = 310151.63
PC = 295+00.87
Y = 145411.58
X = 310191.67
PT = 296+46.54
Y = 145549.97
X = 310153.40
T = 75.00
L = 145.67
R = 248.26
DELTA = 33°37'10" RT
D = 23°04'44"

T-10-N | R-18-E
HARTFORD
SHEET LOCATION
PROJECT LOCATION
LOCATION SKETCH

TLE STATION AND OFFSET TABLE

POINT NO.	STATION	OFFSET
TLE2476	292+30.00	-24.75
TLE2477	292+30.00	-30.00
TLE2478	292+62.00	-30.00
TLE2479	292+62.00	-24.75
TLE2480	294+75.43	-24.75
TLE2481	294+35.43	-51.35
TLE2482	294+36.54	-53.01
TLE2483	295+53.53	-53.97
TLE2484	295+54.13	-55.83
TLE2485	295+68.89	-49.44
TLE2486	295+70.90	-57.07
TLE2487	295+90.71	-50.53
TLE2488	296+86.23	48.00
TLE2489	296+60.00	48.00
TLE2490	296+60.00	40.00
TLE2491	295+73.71	30.70
TLE2492	293+66.71	40.00
TLE2493	293+54.57	59.24
TLE2494	293+51.89	57.52
TLE2495	293+12.03	28.00
TLE2496	293+58.00	-24.75
TLE2497	293+58.00	-27.00
TLE2498	293+79.00	-27.00
TLE2499	293+79.00	-24.75

RIGHT OF WAY STATION AND OFFSET TABLE

POINT NO.	STATION	OFFSET
4171	292+17.89	-24.75
4172	292+17.12	0.00
4173	292+06.49	0.00
4174	291+90.28	24.75
4202	294+79.04	-24.75
4203	294+54.81	-80.49
4204	294+73.08	-107.97
4205	295+88.82	-40.78
4206	296+31.96	-43.67
4207	296+31.47	-33.52
4208	296+85.46	-33.00
4209	296+85.77	0.00
4210	296+86.08	33.00
4211	295+58.28	18.64
4212	293+72.94	24.75
4213	293+10.74	30.00
4214	293+14.11	24.75
PRW1211	296+86.13	37.50
PRW1212	295+77.69	29.13
PRW1213	295+64.98	27.08
PRW1214	295+10.67	24.58

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

Refer to the Title Sheet, recorded as Sheet 2 of 2, in Map Book 51, Page 2, as Document No. 1333375 for additional information

ALL TLES SHOWN ON THIS SHEET ARE FOR SLOPE GRADING

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION CONTACT THE PLANNING DEPARTMENT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WAUKESHA

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 DEPARTMENT.

PARCEL NUMBER	OWNERS	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES
92	GARRET W. & PAMELA J. TERPSTRA	TLE	---	---	---	0.005
93	GEORGE E. & SANDRA R. SMITH	TLE	---	---	---	0.007
94	FIRST CONGREGATIONAL CHURCH AND SOCIETY OF HARTFORD	TLE	---	---	---	0.009
96	PUZZLE BOX DEVELOPMENT, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	FEE/TLE	0.017	---	0.017	0.074

EMCS

I, KEVIN C. BOYER, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 66.22 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY, I HAVE SURVEYED TRANSPORTATION PROJECT PLAT 1330-24-20-4.09 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

Kevin C. Boyer DATE: 4/9/2013

WISCONSIN KEVIN C BOYER S-2675 HEWITT WI LAND SURVEYOR

REGISTERED LAND SURVEYOR NUMBER 2675
THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF HARTFORD

(SIGNATURE) DATE: 4/9/2013
(PRINTED NAME) Steve

FILE NAME : P:\46xx\4619_SP.STH83.WAS\CADDS\Plan\040109_rp.dgn
APPRAISAL PLAT DATE :
PLOT DATE : 4/8/2013
PLOT BY : kcb
PLOT NAME :
PLOT SCALE : 1:20

1330-24-70, STH 83, 1330-24-20 4.09

MAP Book 52 Page 13

TRANSPORTATION PROJECT PLAT NO: 1330-24-20 - 4.10

THAT PART OF LOT 3, CITY OF HARTFORD ASSESSORS PLAT, BEING LOCATED IN AND PART OF THE NW1/4 OF THE SW1/4 OF SECTION 21, TOWNSHIP 10 NORTH, RANGE 18 EAST, CITY OF HARTFORD, WASHINGTON COUNTY, WISCONSIN

RELOCATION ORDER STH 83 WASHINGTON COUNTY

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 66.22, WISCONSIN STATUTES, THE CITY OF HARTFORD HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF HARTFORD, PURSUANT TO THE PROVISIONS OF SECTION 66.22, WISCONSIN STATUTES.

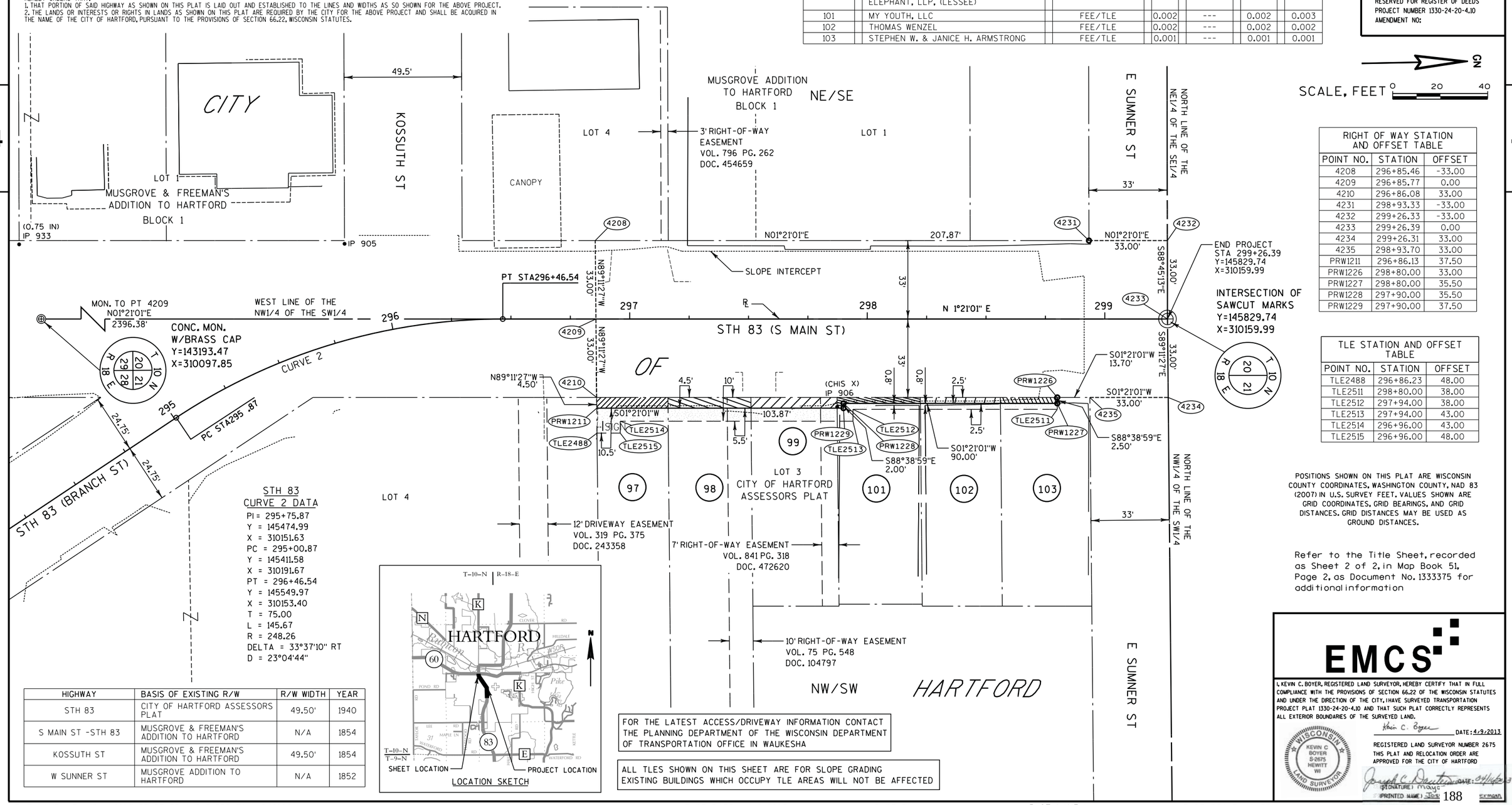
SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL NUMBER	OWNERS	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES
97	THE CITY OF HARTFORD, A MUNICIPAL CORPORATION (LESSOR) AND WHITE ELEPHANT, LLP, (LESSEE)	FEE/TLE	0.003	---	0.003	0.005
98	THE CITY OF HARTFORD, A WISCONSIN MUNICIPAL CORPORATION	FEE/TLE	0.004	---	0.004	0.004
99	THE CITY OF HARTFORD, A MUNICIPAL CORPORATION (LESSOR) AND WHITE ELEPHANT, LLP, (LESSEE)	FEE/TLE	0.004	---	0.004	0.005
101	MY YOUTH, LLC	FEE/TLE	0.002	---	0.002	0.003
102	THOMAS WENZEL	FEE/TLE	0.002	---	0.002	0.002
103	STEPHEN W. & JANICE H. ARMSTRONG	FEE/TLE	0.001	---	0.001	0.001

1334411
RECORDED
April 16, 2013 2:00 PM
SHARON A MARTIN, REGISTER OF DEEDS
WASHINGTON COUNTY, WISCONSIN
Fee Amount: $25.00

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1330-24-20-4.10
AMENDMENT NO:



RIGHT OF WAY STATION AND OFFSET TABLE		
POINT NO.	STATION	OFFSET
4208	296+85.46	-33.00
4209	296+85.77	0.00
4210	296+86.08	33.00
4231	298+93.33	-33.00
4232	299+26.33	-33.00
4233	299+26.39	0.00
4234	299+26.31	33.00
4235	298+93.70	33.00
PRW1211	296+86.13	37.50
PRW1226	298+80.00	33.00
PRW1227	298+80.00	35.50
PRW1228	297+90.00	35.50
PRW1229	297+90.00	37.50

TLE STATION AND OFFSET TABLE		
POINT NO.	STATION	OFFSET
TLE2488	296+86.23	48.00
TLE2511	298+80.00	38.00
TLE2512	297+94.00	38.00
TLE2513	297+94.00	43.00
TLE2514	296+96.00	43.00
TLE2515	296+96.00	48.00

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

Refer to the Title Sheet, recorded as Sheet 2 of 2, in Map Book 51, Page 2, as Document No. 1333375 for additional information

STH 83 CURVE 2 DATA

PI = 295+75.87
Y = 145474.99
X = 310151.63
PC = 295+00.87
Y = 145411.58
X = 310191.67
PT = 296+46.54
Y = 145549.97
X = 310153.40
T = 75.00
L = 145.67
R = 248.26
DELTA = 33°37'10" RT
D = 23°04'44"

HIGHWAY	BASIS OF EXISTING R/W	R/W WIDTH	YEAR
STH 83	CITY OF HARTFORD ASSESSORS PLAT	49.50'	1940
S MAIN ST -STH 83	MUSGROVE & FREEMAN'S ADDITION TO HARTFORD	N/A	1854
KOSSUTH ST	MUSGROVE & FREEMAN'S ADDITION TO HARTFORD	49.50'	1854
W SUNNER ST	MUSGROVE ADDITION TO HARTFORD	N/A	1852

LOCATION SKETCH

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION CONTACT THE PLANNING DEPARTMENT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WAUKESHA

ALL TLES SHOWN ON THIS SHEET ARE FOR SLOPE GRADING EXISTING BUILDINGS WHICH OCCUPY TLE AREAS WILL NOT BE AFFECTED

EMCS

I, KEVIN C. BOYER, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 66.22 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY, I HAVE SURVEYED TRANSPORTATION PROJECT PLAT 1330-24-20-4.10 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

Kevin C. Boyer DATE: 4/9/2013

WISCONSIN KEVIN C BOYER S-2675 HEWITT WI LAND SURVEYOR

REGISTERED LAND SURVEYOR NUMBER 2675
THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF HARTFORD

(SIGNATURE) Joseph C. Mayer DATE: 04/16/13
(PRINTED NAME) JOSEPH C. MAYER

188

FILE NAME : P:\46xx\4619_SP.STH83.WAS\CADDS\Plan\040110_rp.dgn
APPRAISAL PLAT DATE :
PLOT DATE : 4/8/2013 PLOT BY : kcb PLOT NAME : PLOT SCALE : 1:20

1330-24-70, STH 83, 1330-24-20 4.10

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
BM 1	255+54RT	CHISELED SQ. W CNR CONC EL. PAD	1011.19

841 GRAND AVE.
MARK JAMBURA, LC

CITY OF HARTFORD

827 GRAND AVE.
ILJAZI, BAJRAM

303 E. MONROE AVE.
ORLEBEKE, JEFFRY J.
& PAMELA

AT&T (APPROXIMATE LOCATION BASED ON SYSTEM MAPS. TO BE VERIFIED WITH DIGGER'S HOTLINE REQUEST.)

TOWN OF HARTFORD

CE ASPHALT

CITY OF HARTFORD STORM SEWER

WE ENERGIES GAS

CONC

R/W

TLE

SLOPE INTERCEPT

CLOSE ACCESS

PE ASPH

CITY OF HARTFORD ELECTRIC

AT&T

FEE

50'R

E. MONROE AVE

CITY OF HARTFORD SANITARY SEWER

MATCH LINE STA 257+00

251 252 253 254 255 256

STH 83

(GRAND AVE)

8'

4'

12'

5'

BEGIN CONSTRUCTION
STA 250+58.00

BEGIN PROJECT 1330-24-70
STA 251+85.00

℄ STH 83

BM 1

863 JAMES CT
LITSCHAUER, DAVID S.

CITY OF HARTFORD

CITY OF HARTFORD WATER

851 JAMES CT
APULI, GREGORY W.
& CAROL J.

WE ENERGIES ELECTRIC

806 GRAND AVE.
STOP & GO OF MADISON INC.

CITY OF HARTFORD ELECTRIC

CITY OF HARTFORD STORM SEWER

VPI STA 251+85.00
VPI EL 1019.32

EXISTING PROFILE

FINISHED PROFILE

-2.43%

VPC STA 255+45.15
VPC EL 1010.56

VCL = 236'
K = 112

VPI STA 256+63.10
VPI EL 1007.70

EXISTING PROFILE ELEVATION

FINISHED PROFILE ELEVATION

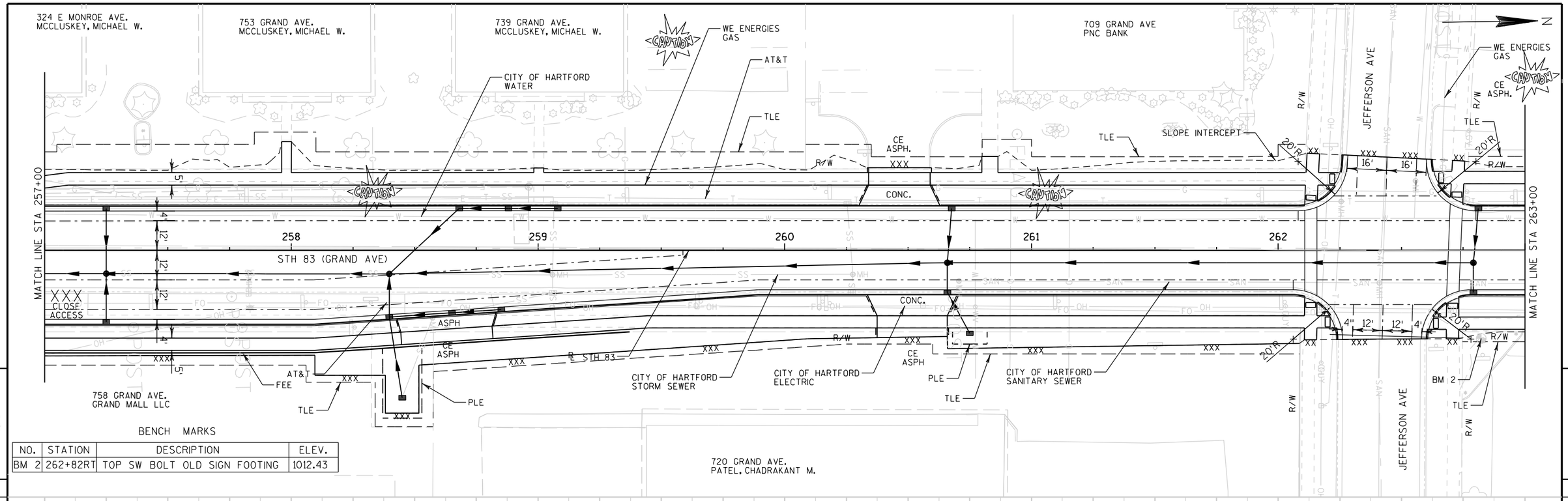
1020 1018 1016 1014 1012 1010 1008 1006

1021.44	1020.21	1018.96 / 1018.96	1017.83 / 1017.74	1016.65 / 1016.53	1015.28 / 1015.31	1013.98 / 1014.09	1012.85 / 1012.88	1011.60 / 1011.66	1010.35 / 1010.45	1009.41 / 1009.36	1008.81 / 1008.50	1008.19 / 1007.87
251+00	251+50	252+00	252+50	253+00	253+50	254+00	254+50	255+00	255+50	256+00	256+50	257+00

PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	PLAN AND PROFILE	SHEET	E

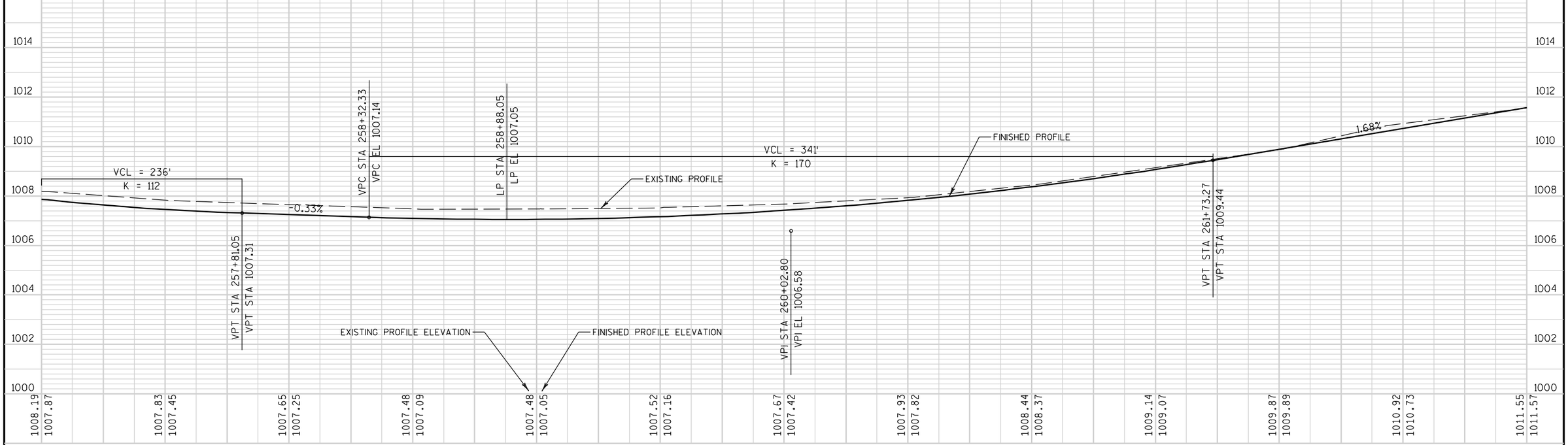
FILE NAME : J:\Active\SE\1330-24-00 STH 83\Main\050101_pp.DGN PLOT DATE : 5/1/2015 PLOT BY : eric.handler PLOT NAME : PLOT SCALE : 40.0000 ' / in.

WISDOT/CADDS SHEET 30

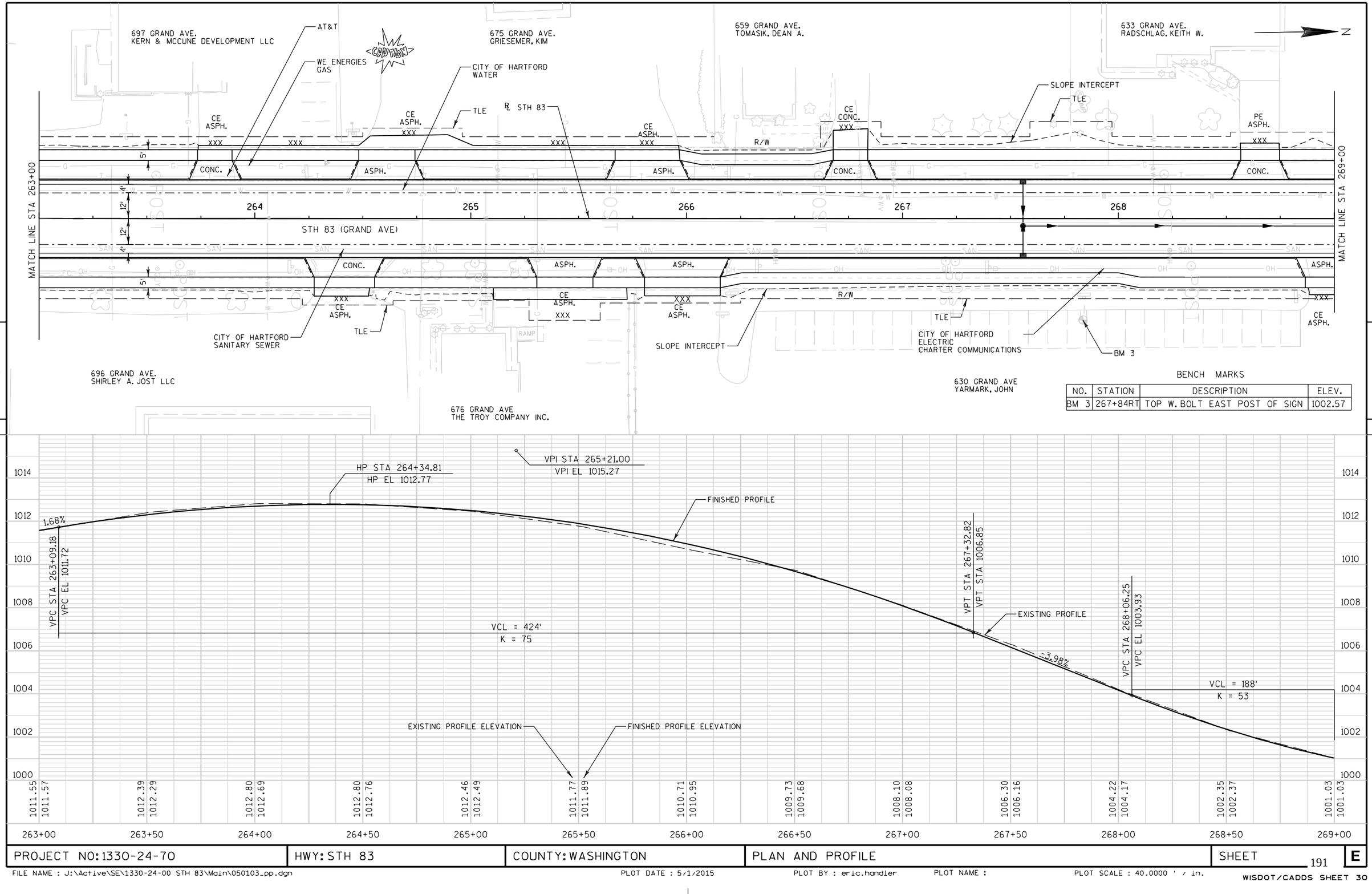


BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
BM 2	262+82RT	TOP SW BOLT OLD SIGN FOOTING	1012.43



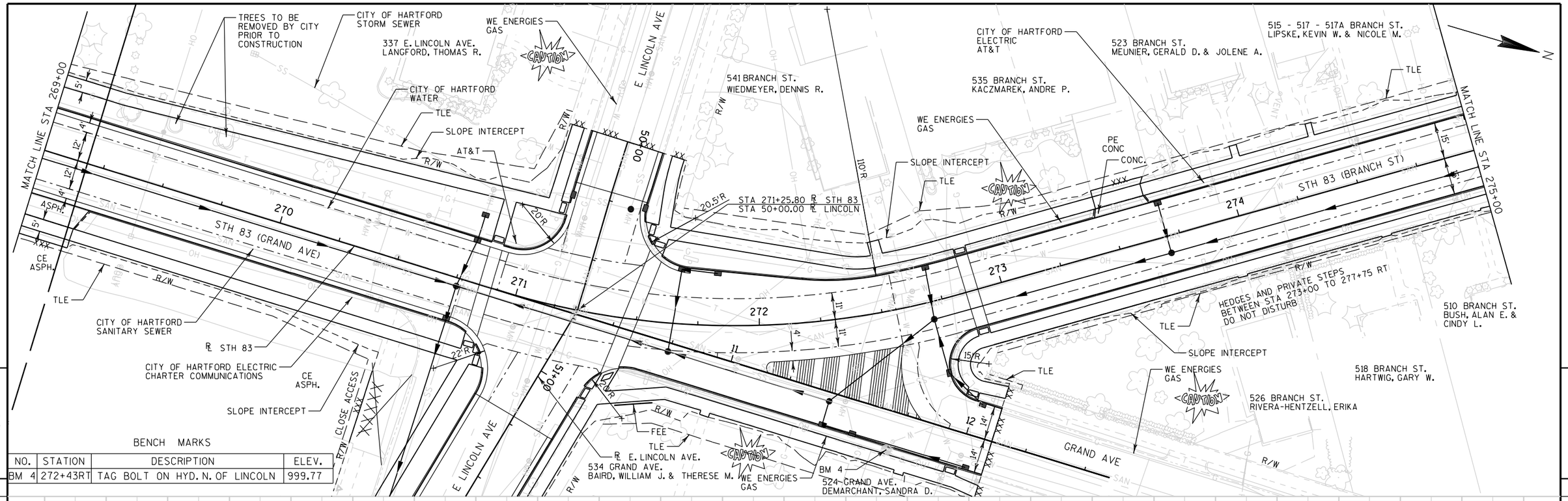
PROJECT NO:1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	PLAN AND PROFILE	SHEET 190 E



BENCH MARKS

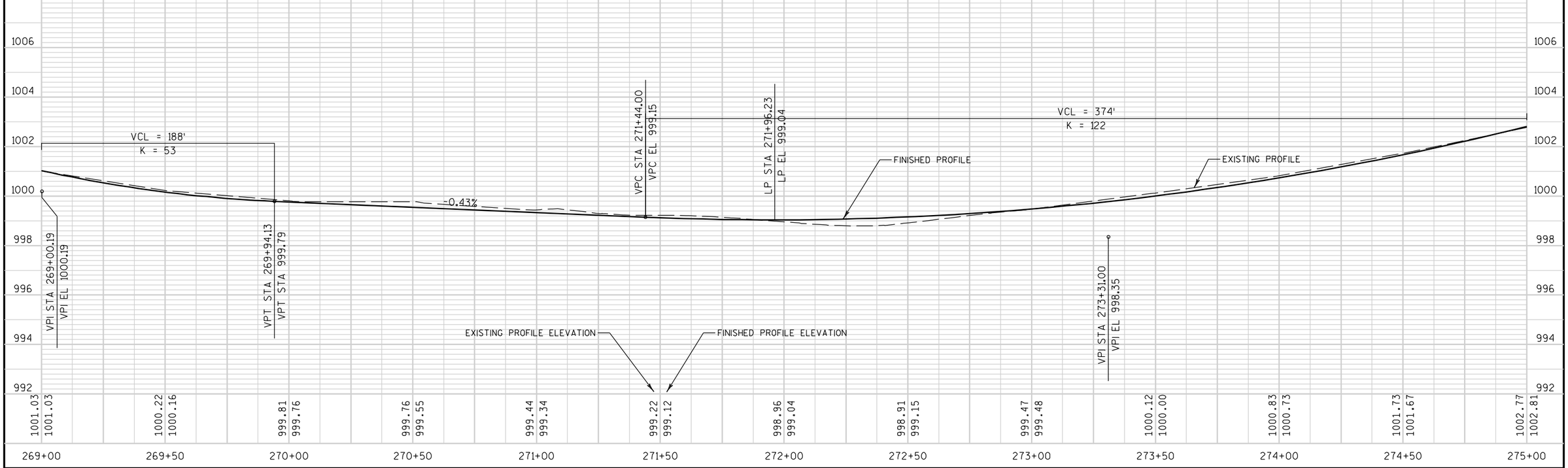
NO.	STATION	DESCRIPTION	ELEV.
BM 3	267+84RT	TOP W. BOLT EAST POST OF SIGN	1002.57

PROJECT NO:1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	PLAN AND PROFILE	SHEET 191	E



BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
BM 4	272+43RT	TAG BOLT ON HYD. N. OF LINCOLN	999.77



PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	PLAN AND PROFILE	SHEET E

FILE NAME : J:\Active\SE\1330-24-00 STH 83\Main\050104_pp.dgn PLOT DATE : 5/1/2015 PLOT BY : eric.handler PLOT NAME : PLOT SCALE : 40.0000 ' / in.
WISDOT/CADDS SHEET 30

505 BRANCH ST.
HENDERSON, KATHLEEN M.

509 BRANCH ST.
RICHTER, PATRICK J.

WE ENERGIES
GAS

CAUTION

E WASHINGTON AVE

439 BRANCH ST.
TOVAR, JOSE HECTOR

431 BRANCH ST.
LEWIN, KEITH D. & KIM C.

425 BRANCH ST.
SWENSON, BRIAN S. & R. S.

419 BRANCH ST.
SORRELLS, KENNETH T. & TINA M.

411 BRANCH ST.
SALEFSKE, PAMELA

349 BRANCH ST.
HSBC MORTGAGE SERVICES INC

341 BRANCH ST.
GROLL, ANTHONY W.

CITY OF HARTFORD
ELECTRIC
AT&T

BM 5

WE ENERGIES
GAS

CAUTION

CITY OF HARTFORD
WATER

PLACE SAFETY FENCE
TO PROTECT TREES

SLOPE INTERCEPT

TLE

20.5'R

R/W

XX XXX XXX XX

15' 15'

MATCH LINE STA 275+00

276 277 278 279 280

STH 83 (BRANCH ST)

CONC

XXX

HEDGES AND PRIVATE STEPS
BETWEEN STA 273+00 TO 277+75 RT
DO NOT DISTURB

TLE R/W

PE
ASPH
XXX

PE
GRAVEL

℄ STH 83

SLOPE INTERCEPT

CITY OF HARTFORD
SANITARY SEWER

CITY OF HARTFORD
ELECTRIC
CHARTER COMMUNICATIONS

WE ENERGIES
GAS

5'

15'

PE
ASPH
PE
CONC
XXX

MATCH LINE STA 281+00

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
BM 5	276+59LT	TAG BOLT ON HYD	1007.71

502 BRANCH ST.
PFAFF, ADAM

446 BRANCH ST.
MAZZINI, BRUNO & I

438 BRANCH ST.
BENDER, JASON C.

432 BRANCH ST.
ALBRECHT, COLLIN D.
& ANN M.

424 BRANCH ST.
KRUEGER, KENT V.
& B. J.

418 BRANCH ST.
EWING, JOHN S.
& VERONICA V.

412 - 414 BRANCH ST.
STUETTGEN, GARY J. JR

404 BRANCH ST.
SCHARFENBERGER D. & J. E.

346 BRANCH ST.
BREEN, ROBERT D.

338 BRANCH ST.
WINTER, MICHAEL S.
& PAULA M.

VPI STA 279+15.00
VPI EL 1013.70

FINISHED PROFILE

EXISTING PROFILE

VPC STA 276+90.00
VPC EL 1007.79

HP STA 280+20.36
HP EL 1012.13

VCL = 450'
K = 126

2.63%

VCL = 374'
K = 122

VPT STA 275+18.00
VPT STA 1003.27

EXISTING PROFILE ELEVATION

FINISHED PROFILE ELEVATION

1014 1012 1010 1008 1006 1004 1002 1000

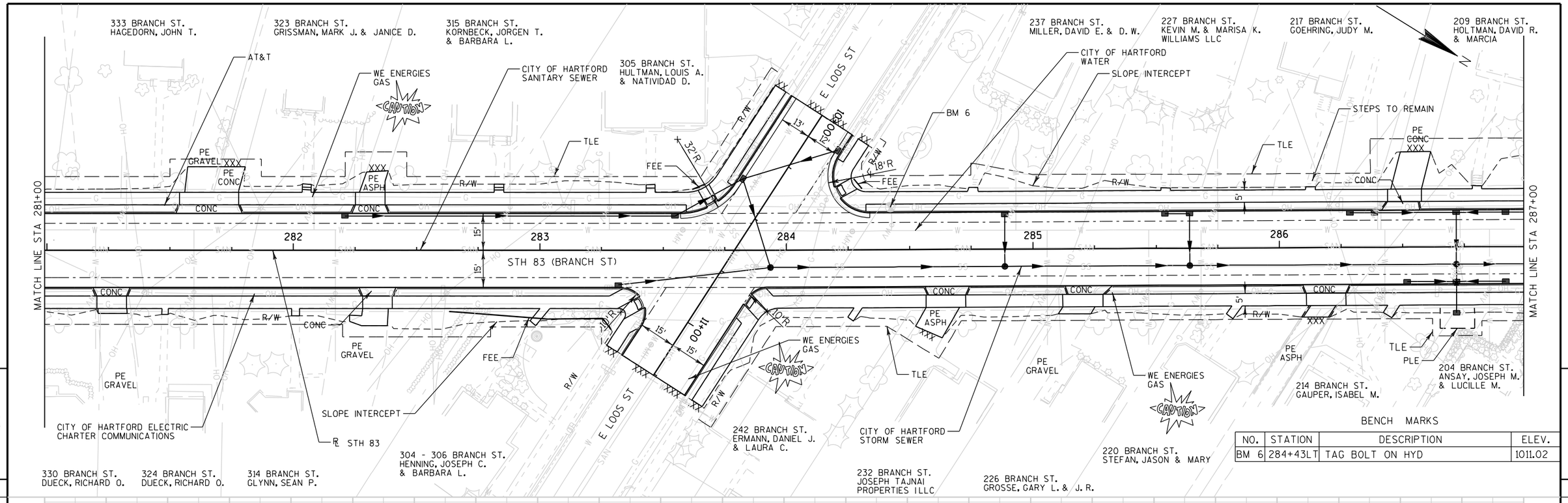
1002.77	1004.08	1005.40	1006.61	1007.97	1009.35	1010.32	1010.92	1011.46	1011.79	1011.97	1012.18	1012.02
1002.81	1004.11	1005.42	1006.73	1008.04	1009.22	1010.20	1010.97	1011.55	1011.93	1012.11	1012.09	1011.88

275+00 275+50 276+00 276+50 277+00 277+50 278+00 278+50 279+00 279+50 280+00 280+50 281+00

PROJECT NO:1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	PLAN AND PROFILE	SHEET 193	E

FILE NAME : J:\Active\SE\1330-24-00 STH 83\Main\050105_pp.dgn PLOT DATE : 5/1/2015 PLOT BY : eric.handler PLOT NAME : PLOT SCALE : 40.0000 ' / in.

WISDOT/CADDS SHEET 30



PROJECT NO:1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	PLAN AND PROFILE	SHEET 194	E

FILE NAME : J:\Active\SE\1330-24-00 STH 83\Main\050106_pp.dgn PLOT DATE : 5/1/2015 PLOT BY : eric.handler PLOT NAME : PLOT SCALE : 40.0000 ' / in.

WISDOT/CADDS SHEET 30

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
BM 7	287+52RT	TAG BOLT READING "BURY 6-0"	1010.14

175 BRANCH ST.
US BANK NATIONAL ASSOCIATION

171 BRANCH ST.
LUTZ, ROBERT G.
& SHELLEY L.

165 BRANCH ST.
VAN ZANDBERGEN, BARTLEY G.

155 BRANCH ST.
RASMUSSEN, RACHEL

111 BRANCH ST.
CITY OF HARTFORD

90 S. MAIN ST.
TERPSTRA, GARRET W.
& PAMELA J.

158 BRANCH ST.
SCHLIEVE, GARY E.
& KATHLEEN F.

150 BRANCH ST.
STANISZEWSKI, JAMES A.

138 BRANCH ST.
GILBERT BROWN
& ASSOCIATES INC.

126 BRANCH ST.
SERCHEN, ROBERT E & RENEE A.

108 BRANCH ST.
FIRST CONGREGATIONAL CHURCH

160 SOUTH ST.
SIAS, ROBERT R.

152 SOUTH ST.
NYSWONGER, JAMES A. JR.

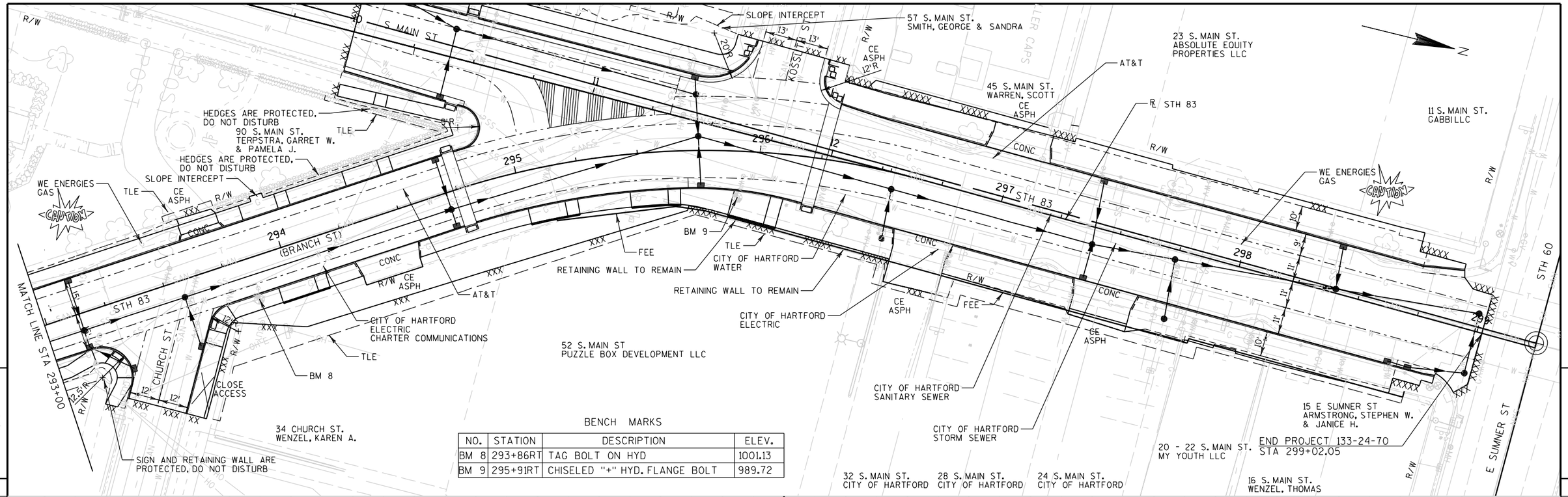
BIRCH TREE TO REMAIN
TLE
PE CONC
PE/CE CONC
PE GRVL
PE ASPH
CE ASPH
CONC
CONC.
ASPH
PRIVATE STEPS ARE PROTECTED DO NOT DISTURB
SLOPE INTERCEPT
℄ STH 83
R/W
WE ENERGIES GAS
CAUTION
CITY OF HARTFORD ELECTRIC
AT&T
CITY OF HARTFORD WATER
CITY OF HARTFORD STORM SEWER
CITY OF HARTFORD SANITARY SEWER
MATCH LINE STA 287+00
MATCH LINE STA 293+00
STH 83
(BRANCH ST)
SOUTH ST
BM 7
30.5' R
12' R
11
14'
PLE
288
289
290
291
292
N

VPC STA 289+35.76
VPC EL 1010.12
HP STA 289+89.54
HP EL 1010.32
VPI STA 291+75.00
VPI EL 1011.83
FINISHED PROFILE
EXISTING PROFILE
VCL = 157'
K = 142
0.72%
VPT STA 287+73.33
VPT STA 1008.96
EXISTING PROFILE ELEVATION
FINISHED PROFILE ELEVATION
VCL = 478'
K = 75

1008.61	1008.63	1008.86	1008.81	1009.13	1009.15	1009.48	1009.51	1009.91	1009.87	1010.18	1010.21	1010.26	1010.31	1010.08	1010.07	1009.60	1009.50	1008.72	1008.60	1007.42	1007.37	1005.71	1005.81	1003.72	1003.91
287+00		287+50		288+00		288+50		289+00		289+50		290+00		290+50		291+00		291+50		292+00		292+50		293+00	

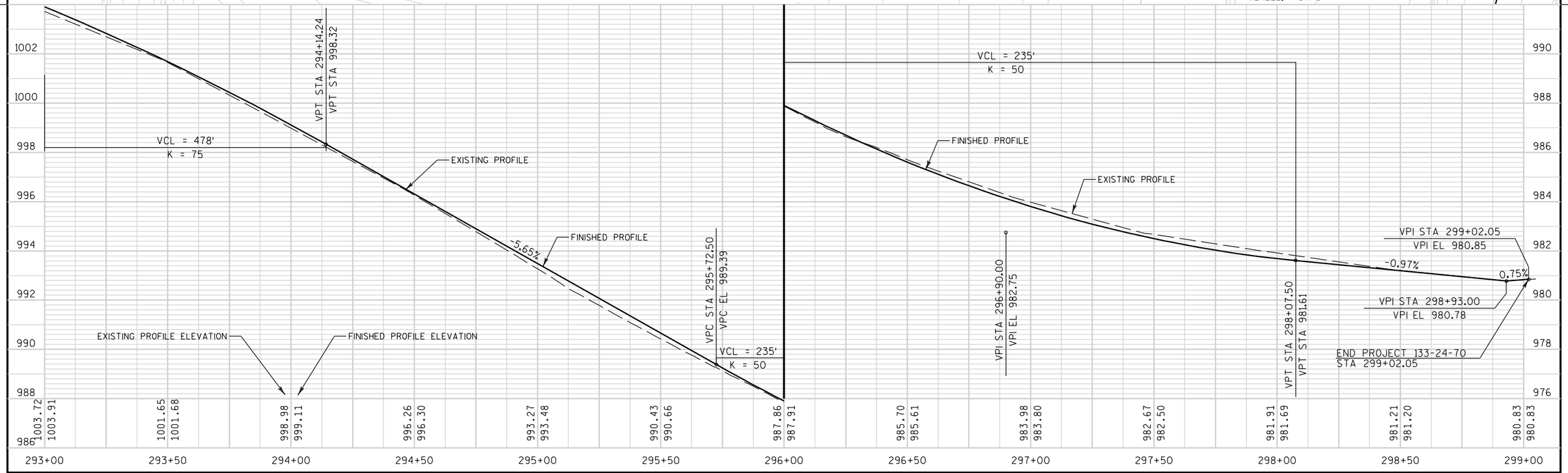
PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	PLAN AND PROFILE	SHEET 195	E

FILE NAME : J:\Active\SE\1330-24-00 STH 83\Main\050107_pp.dgn
PLOT DATE : 5/1/2015
PLOT BY : eric.handler
PLOT NAME :
PLOT SCALE : 40.0000 ' / in.
WISDOT/CADDS SHEET 30

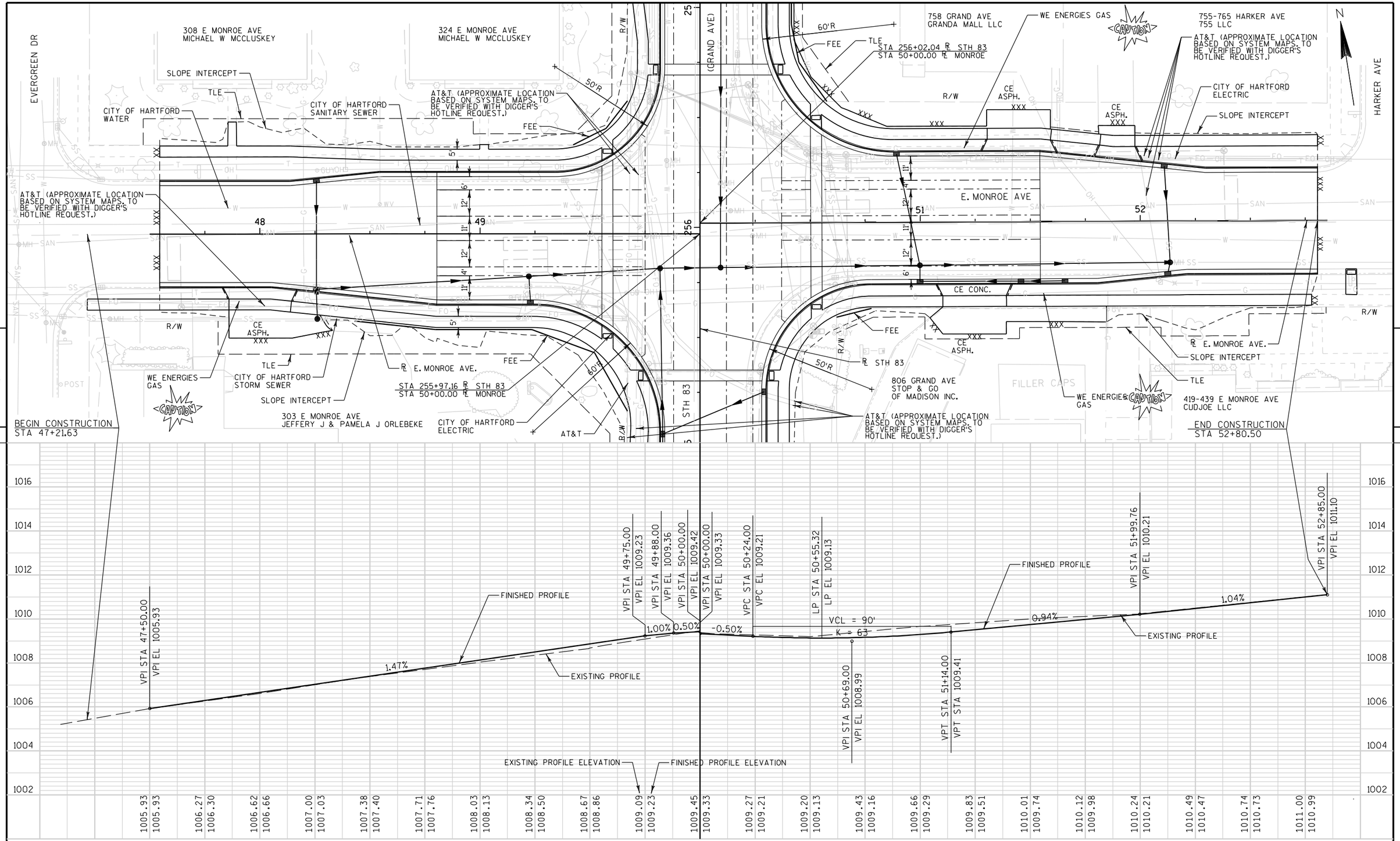


BENCH MARKS

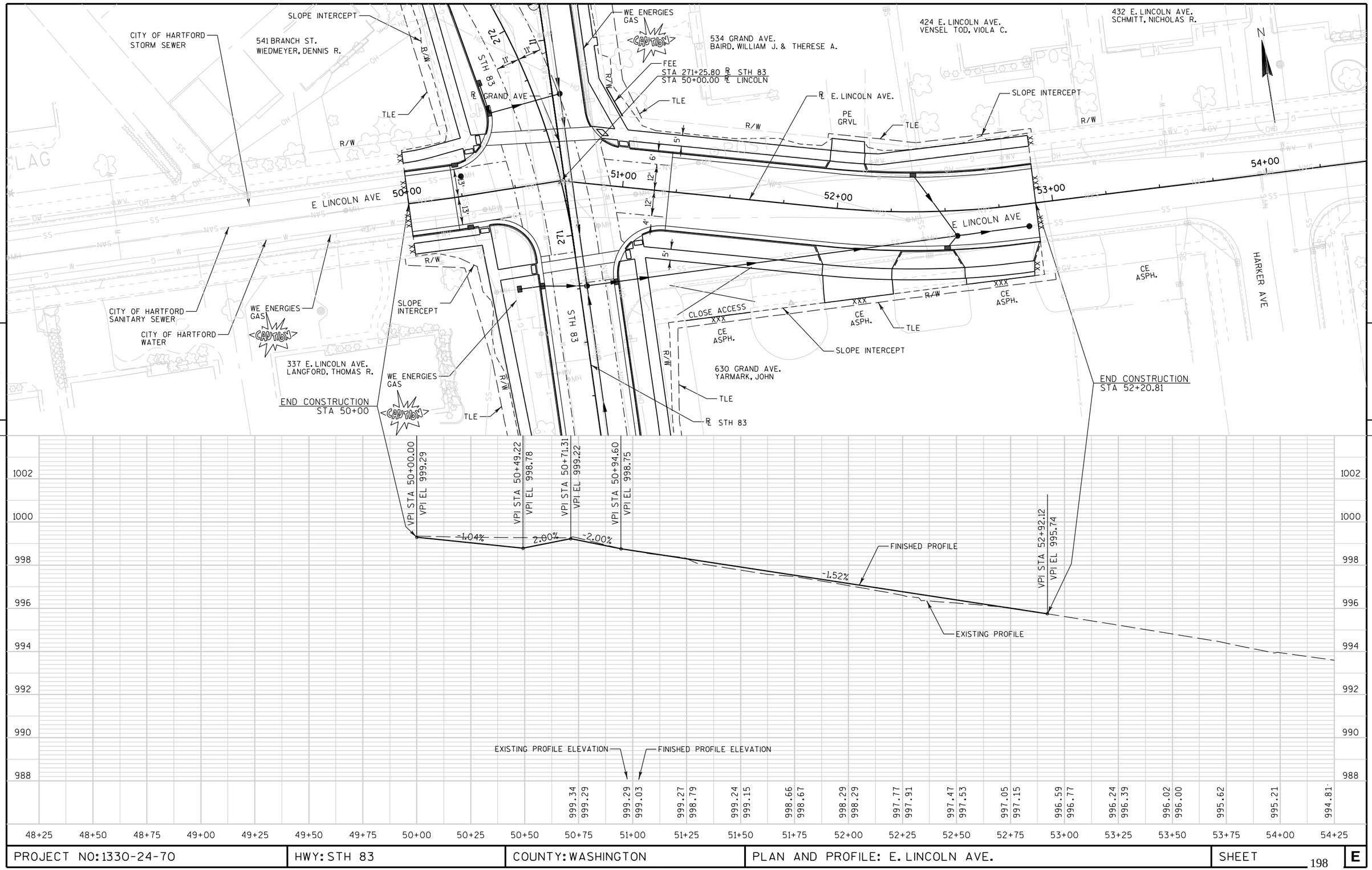
NO.	STATION	DESCRIPTION	ELEV.
BM 8	293+86RT	TAG BOLT ON HYD	1001.13
BM 9	295+91RT	CHISELED "+" HYD. FLANGE BOLT	989.72



PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	PLAN AND PROFILE	SHEET 196 E



PROJECT NO:1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	PLAN AND PROFILE: E. MONROE AVE.	SHEET 197	E



PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	PLAN AND PROFILE: E. LINCOLN AVE.	SHEET 198	E

FILE NAME : J:\Active\SE\1330-24-00 STH 83\Main\050110_pp.dgn PLOT DATE : 5/1/2015 PLOT BY : eric.handler PLOT NAME : PLOT SCALE : 40.0000 ' / in.

WISDOT/CADDS SHEET 30

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
BM 4	272+43RT	TAG BOLT ON HYD. N. OF LINCOLN	999.77

541 BRANCH ST.
WIEDMEYER, DENNIS R.

518 BRANCH ST.
HARTWIG, GARY W.

526 BRANCH ST.
RIVERA-HENTZELL, ERIKA

337 E. LINCOLN AVE.
LANGFORD, THOMAS R.

630 GRAND AVE.
YARMARK, JOHN

534 GRAND AVE.
BAIRD, WILLIAM J. & THERESE M.

524 GRAND AVE.
DEMARCHANT, SANDRA D.

STH 83 (GRAND AVE)

GRAND AVE

E LINCOLN AVE

STH 83 (BRANCH ST)

℄ STH 83

℄ E LINCOLN AVE

℄ GRANDE AVE

AT&T

SLOPE INTERCEPT

TLE

R/W

FEE

CITY OF HARTFORD ELECTRIC
CHARTER COMMUNICATIONS

CITY OF HARTFORD ELECTRIC
AT&T

CITY OF HARTFORD
STORM SEWER

CITY OF HARTFORD
SANITARY SEWER

CITY OF HARTFORD
WATER

WE ENERGIES
GAS

CAUTION

CLOSE ACCESS

BM 4

END CONSTRUCTION
STA 12+10.63

N

5

5

VPI STA 10+00.00
VPI EL 999.37

VPI STA 11+01.34
VPI EL 998.74

VPC STA 11+20.00
VPC EL 998.51

LP STA 11+51.93
LP EL 998.31

VPI STA 12+10.63
VPI EL 998.98

VPI STA 11+65.00
VPI EL 997.95

VPT STA 12+10.00
VPT STA 998.96

-0.63%

-1.24%

+2.25%

VCL = 90'
K = 26

FINISHED PROFILE

EXISTING PROFILE

EXISTING PROFILE ELEVATION

PROPOSED PROFILE ELEVATION

| | | |

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
BM 6	284+43LT	TAG BOLT ON HYD	1011.02

232 BRANCH ST.
JOSEPH TAJNAI
PROPERTIES ILLC

237 BRANCH ST.
MILLER, DAVID E. & D. W.

242 BRANCH ST.
ERMANN, DANIEL J.
& LAURA C.

304 - 306 BRANCH ST.
HENNING, JOSEPH C.
& BARBARA L.

305 BRANCH ST.
HULTMAN, LOUIS A.
& NATIVIDAD D.

CITY OF HARTFORD
STORM SEWER

CITY OF HARTFORD
SANITARY SEWER

CITY OF HARTFORD
WATER

CITY OF HARTFORD ELECTRIC
CHARTER COMMUNICATIONS

WE ENERGIES
GAS

AT&T

CONC.

PE
ASPH

TLE

SLOPE INTERCEPT

BM 6

FEE

R/W

℄ E LOOS ST

E LOOS ST

℄ STH 83

STH 83 (BRANCH ST)

284

283

10+00

11+00

5'

13'

12'

15'

BEGIN CONSTRUCTION
STA 10+00

END CONSTRUCTION
STA 11+25.57

N

VPI STA 10+00.00
VPI EL 1010.47

VPI STA 10+47.34
VPI EL 1009.74

VPI STA 10+65.23
VPI EL 1009.63

VPI STA 10+83.12
VPI EL 1009.21

VPI STA 11+25.57
VPI EL 1008.47

-1.55%

-0.61%

-2.35%

-1.75%

FINISHED PROFILE

EXISTING PROFILE

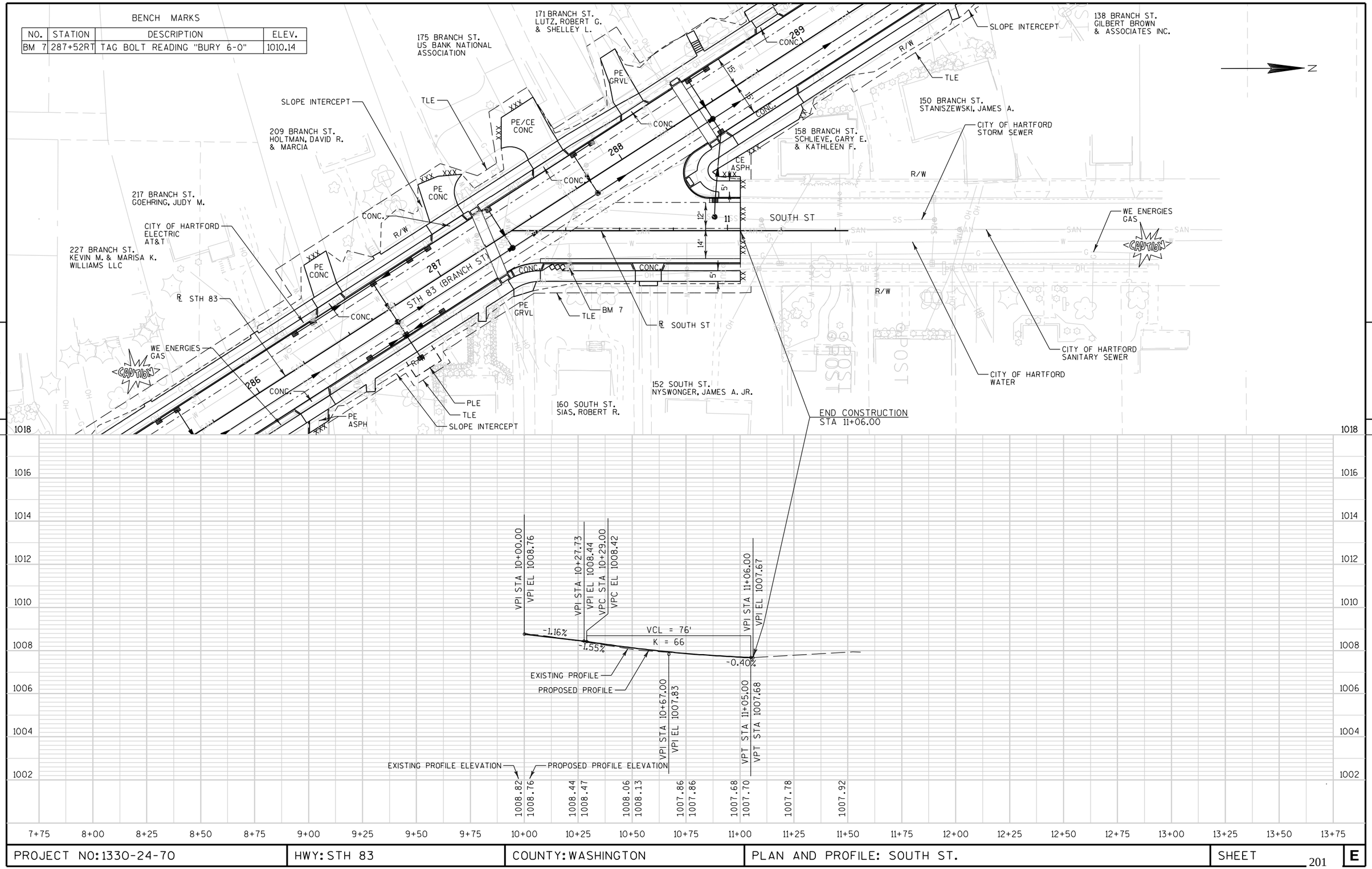
EXISTING PROFILE ELEVATIONS

PROPOSED PROFILE ELEVATIONS

| | | |

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
BM 7	287+52RT	TAG BOLT READING "BURY 6-0"	1010.14



PROJECT NO:1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	PLAN AND PROFILE: SOUTH ST.	SHEET 201	E

FILE NAME : J:\Active\SE\1330-24-00 STH 83\Main\050113_pp.dgn
PLOT DATE : 5/1/2015
PLOT BY : eric.handler
PLOT NAME :
PLOT SCALE : 40.0000 ' / in.
WISDOT/CADDS SHEET 30

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
BM 9	295+91RT	CHISELED "+" HYD. FLANGE BOLT	989.72

57 S. MAIN ST.
SMITH, GEORGE & SANDRA

45 S. MAIN ST.
WARREN, SCOTT

23 S. MAIN ST.
ABSOLUTE EQUITY
PROPERTIES LLC

℄ S MAIN ST

TLE

SLOPE INTERCEPT

R/W

KOSSUTH ST

WE ENERGIES GAS

CAUTION

CITY OF HARTFORD STORM SEWER

S MAIN ST

PE R/W ASPH

CONC.

AT&T

CITY OF HARTFORD SANITARY SEWER

CITY OF HARTFORD WATER

BEGIN CONSTRUCTION STA 10+00

STH 83 (BRANCH ST)

STH 83 (S MAIN ST)

BM 9

FEE

℄ STH 83

CE ASPH

CITY OF HARTFORD ELECTRIC

90 S. MAIN ST.
TERPSTRA, GARRET W.
& PAMELA J.

52 S. MAIN ST
PUZZLE BOX DEVELOPMENT LLC

CITY OF HARTFORD ELECTRIC
CHARTER COMMUNICATIONS

32 S. MAIN ST.
CITY OF HARTFORD

28 S. MAIN ST.
CITY OF HARTFORD

28 S. MAIN ST.
CITY OF HARTFORD

20 - 22 S. MAIN ST.
MY YOUTH LLC

VPI STA 10+00.00
VPI EL 995.35

VPC STA 10+55.70
VPC EL 992.57

VCL = 76'
K = 45

VPI STA 11+32.57
VPI EL 989.39

VPI STA 10+93.70
VPI EL 990.67

VPT STA 11+31.70
VPT STA 989.42

VPI STA 12+37.67
VPI EL 984.97

-5.00%

-3.29%

-4.21%

EXISTING PROFILE

PROPOSED PROFILE

EXISTING PROFILE ELEVATION

PROPOSED PROFILE ELEVATION

997.85	996.58	995.35	995.35	994.20	994.10	993.04	992.85	991.87	991.65	990.69	990.57	989.66	989.64	988.70	988.66	987.66	987.61	986.50	986.55	985.56	985.50							
8+00	8+25	8+50	8+75	9+00	9+25	9+50	9+75	10+00	10+25	10+50	10+75	11+00	11+25	11+50	11+75	12+00	12+25	12+50	12+75	13+00	13+25	13+50	13+75	14+00				

996 994 992 990 988 986 984 982

PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	PLAN AND PROFILE: S. MAIN ST.	SHEET 202	E

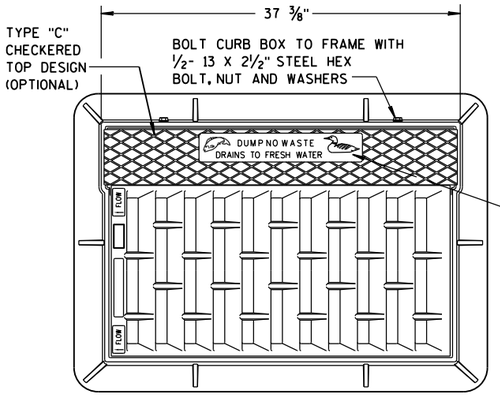
FILE NAME : J:\Active\SE\1330-24-00 STH 83\Main\050114_pp.dgn PLOT DATE : 5/1/2015 PLOT BY : eric.handler PLOT NAME : PLOT SCALE : 40.0000 ' / in.

WISDOT/CADDS SHEET 30

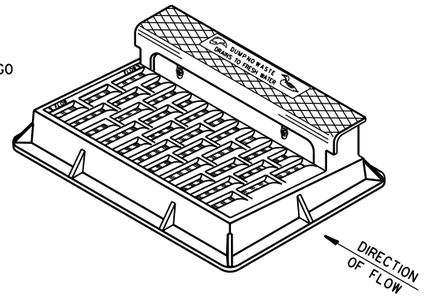
Standard Detail Drawing List

08A05-19A	INLET COVERS TYPE A, H, A-S, H-S & Z
08A05-19B	INLET COVERS TYPE B, B-A, C, MS, MS-A, & WM
08A05-19C	INLET COVERS TYPE F, HM, HM-S, S, T, V, HM-GJ, & HM-GJ-S
08A05-19D	INLET COVER TYPE BW, MANHOLE COVERS, TYPE K, J, J-S, L & M
08B09-01	MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER
08C06-01	INLETS 3-FT AND 4-FT DIAMETER
08C07-01	INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT
08C08-01	INLETS MEDIAN 1 AND 2 GRATE
08D01-17	CONCRETE CURB, CONCRETE CURB AND GUTTER AND TIES
08D05-15A	CURB RAMPS TYPES 1 AND 1-A
08D05-15B	CURB RAMPS TYPES 2 AND 3
08D05-15C	CURB RAMPS TYPES 4A AND 4A1
08D05-15D	CURB RAMPS TYPE 4B AND 4B1
08D05-15E	CURB RAMPS TYPES 5, 6, 7A, 7B & 8
08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08F04-07	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
09B02-08	CONDUIT
09B04-11	PULL BOX
09C02-07	CONCRETE BASES, TYPES 1, 2, 5, & 6
09C03-04	TRANSFORMER/PEDESTAL BASES
09C06-07	CONCRETE CONTROL CABINET BASE, TYPE 9, SPECIAL
09D01-05	CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)
09D02-03	SIGNAL CONTROL CABINET
09E01-13B	POLE MOUNTINGS FOR TRAFFIC SIGNALS AND LIGHTING UNITS, TYPE 3 (HEAVY DUTY)
09E01-13G	HARDWARE DETAILS FOR POLE MOUNTINGS
09E03-05	NON-FREEWAY LIGHTING UNIT POLE WIRING
09E06-05	TRAFFIC SIGNAL STANDARD POLY BRACKET MOUNTINGS (TYPICAL) 13 FT. OR 15 FT.
09E07-05	TRAFFIC SIGNAL STANDARD PEDESTRIAN AND FLASHER TYPICAL MOUNTING DETAILS
09F15-04B	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
10A01-03	ELECTRICAL HANDHOLE WIRING
11B01-05	CONCRETE CORRUGATED MEDIAN
13C01-17	CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES
13C13-08	URBAN DOWELED CONCRETE PAVEMENT
13C18-02A	CONCRETE PAVEMENT JOINTING
13C18-02B	CONCRETE PAVEMENT STEEL REINFORCEMENT
13C18-02C	CONCRETE PAVEMENT JOINT TIES
13C18-02D	CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES
15C02-05A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-05B	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-05C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C03-02	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C05-02	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS
15C07-12B	PAVEMENT MARKING WORDS
15C07-12C	PAVEMENT MARKING ARROWS
15C08-16A	PAVEMENT MARKING (MAINLINE)
15C08-16B	PAVEMENT MARKING (INTERSECTIONS)
15C08-16E	PAVEMENT MARKING (LEFT TURN LANE)
15C08-16F	PAVEMENT MARKING (ISLANDS)
15C11-05	FLEXIBLE TUBULAR MARKER POST, ANCHOR & BASES
15C33-01	STOP LINE AND CROSSWALK PAVEMENT MARKING
15D28-02	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY
15D30-01	TRAFFIC CONTROL, SIDEWALK CLOSURE
15D30-02A	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-02B	TRAFFIC CONTROL, TEMPORARY ADA COMPLIANT PEDESTRIAN ACCOMMODATION
15D30-02C	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

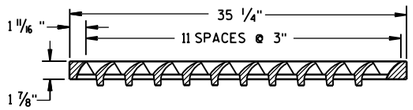
6

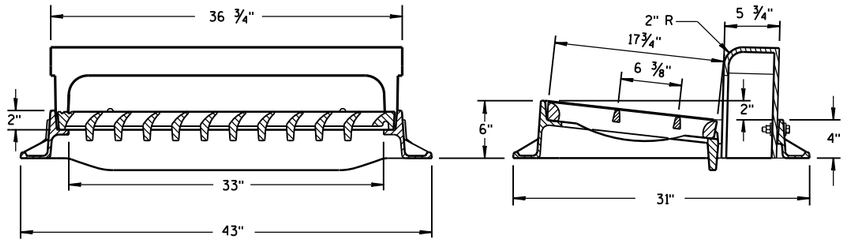


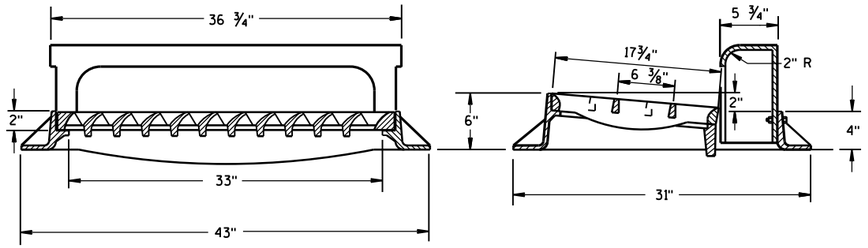
NOTE:
GRATE IS REVERSIBLE.



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

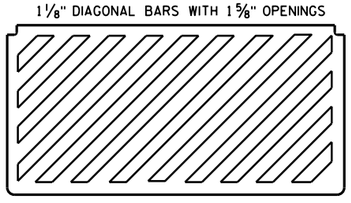






TYPE "H"

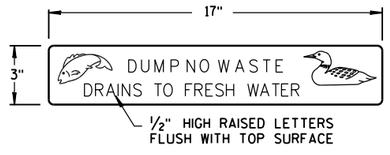
NOTE: EITHER CASTING IS ACCEPTABLE



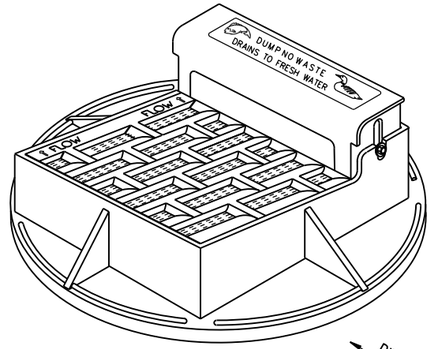
SPECIAL GRATE FOR TYPE "H" COVER

(MEASURES 35 1/4" X 17 3/4" X 2")

(NOTED AS TYPE H-S ON DRAINAGE TABLE)

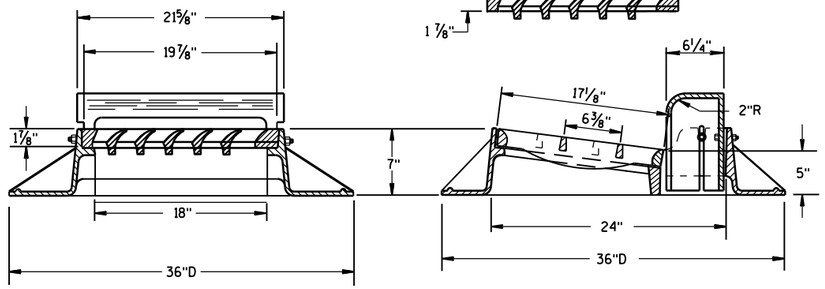


LOGO DETAIL



NOTE: CURB BOX ADJUSTABLE 4" TO 9"

NOTE:
GRATE IS REVERSIBLE.



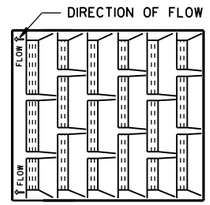
TYPE "A"

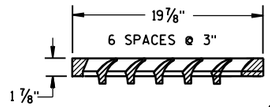
GENERAL NOTES

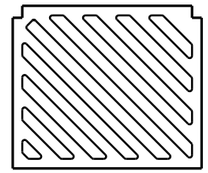
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.



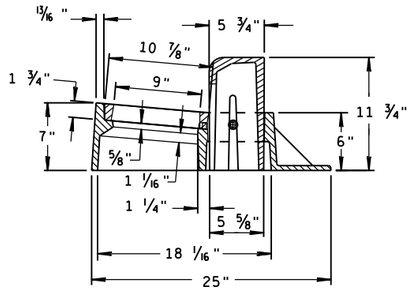


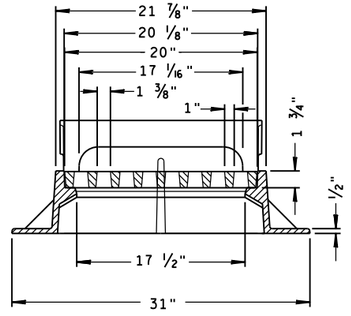


SPECIAL GRATE FOR TYPE "A" COVER

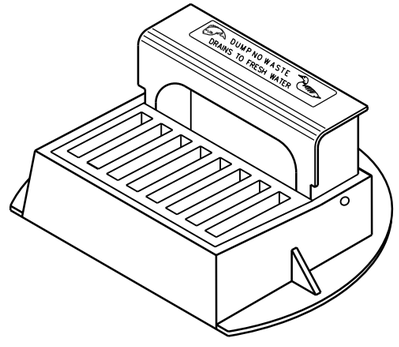
(MEASURES 19 3/4" X 17" X 1 7/8")

(NOTED AS TYPE A-S ON DRAINAGE TABLE)





TYPE "Z"

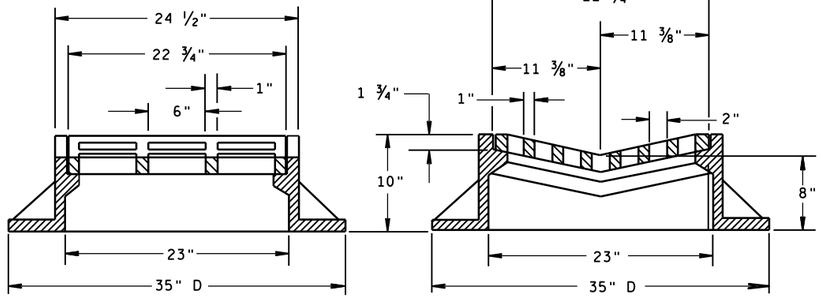


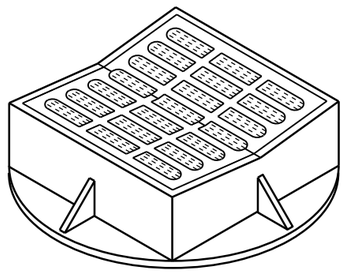
INLET COVERS TYPE A, H, A-S, H-S & Z

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

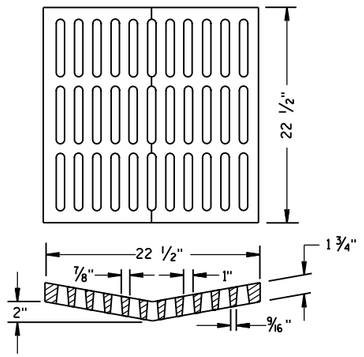
APPROVED
11-27-13 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
FHWA

S.D.D. 8 A 5-19a



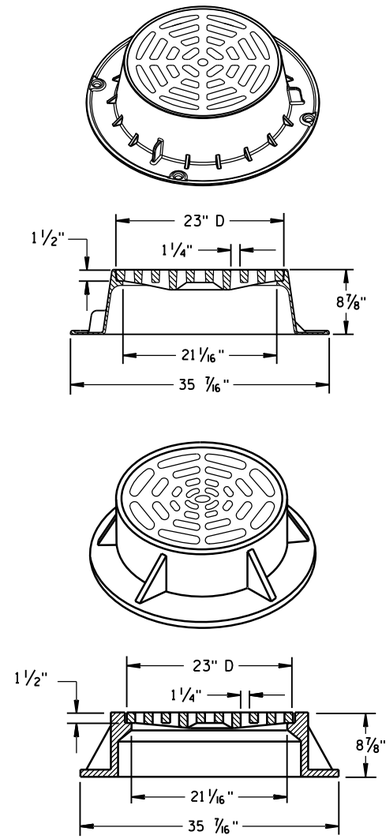


TYPE "B"



ALTERNATIVE GRATE FOR TYPE "B" COVER

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS POSSIBLE.
NOTED AS TYPE B-A ON THE DRAINAGE TABLE



TYPE "C"

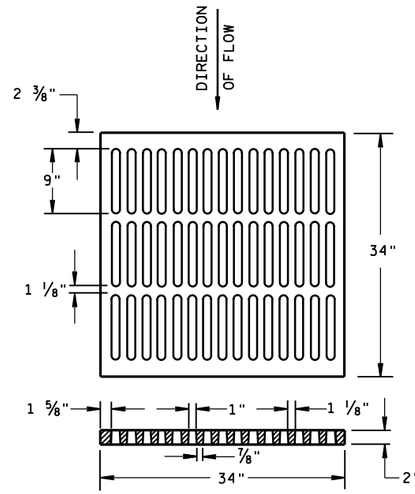
NOTE: EITHER CASTING IS ACCEPTABLE

GENERAL NOTES

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

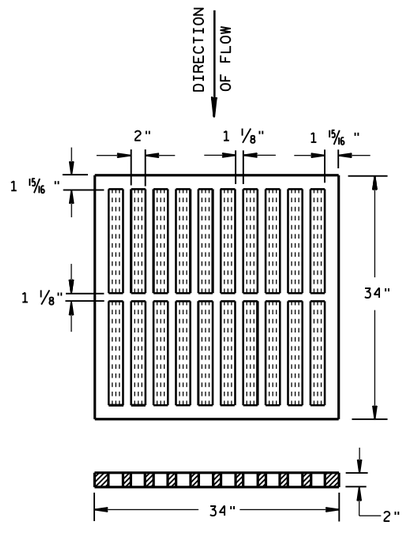
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.



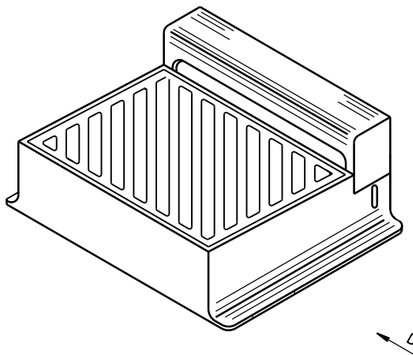
ALTERNATIVE TYPE "MS"

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS PERMITTED
NOTED AS TYPE MS-A ON THE DRAINAGE TABLE



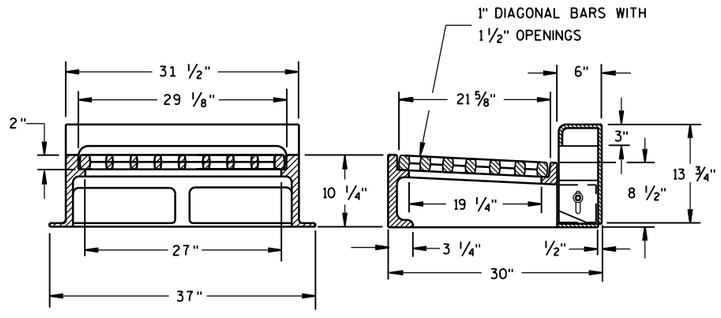
TYPE "MS"

USE ON FREEWAYS AND EXPRESSWAYS
NOTED AS TYPE MS ON DRAINAGE TABLE



DIRECTION OF FLOW

DIAGONAL SLOTS, SHALL BE ORIENTED TO THE DIRECTION OF FLOW AS ILLUSTRATED. GRATES ARE MANUFACTURED TO BE REVERSIBLE.



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

TYPE "WM"

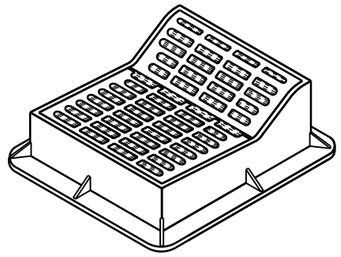
INLET COVERS
TYPE B, B-A, C,
MS, MS-A, & WM

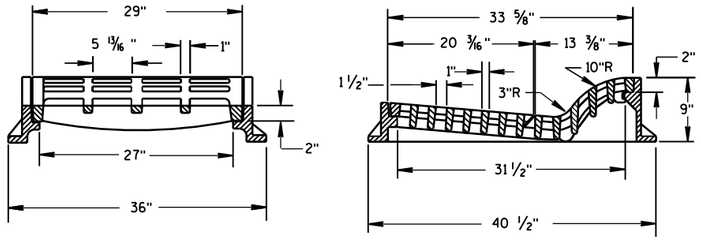
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/27/2013
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

6

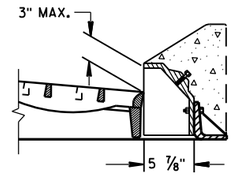
S.D.D. 8 A 5-19b





TYPE "F"

USE WITH TYPES A & D CONCRETE CURB & GUTTER, 36 INCH.



ALTERNATIVE CURB BOX FOR TYPE "HM" COVER

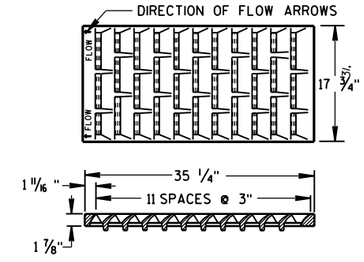
USE WITH TYPES G & J CONCRETE CURB & GUTTER, 30 INCH
NOTED AS TYPE HM-GJ ON DRAINAGE TABLE

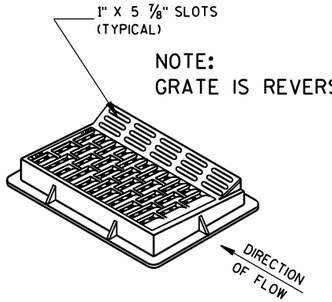
NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM-GJ" COVER
NOTED AS TYPE HM-GJ-S ON DRAINAGE TABLE

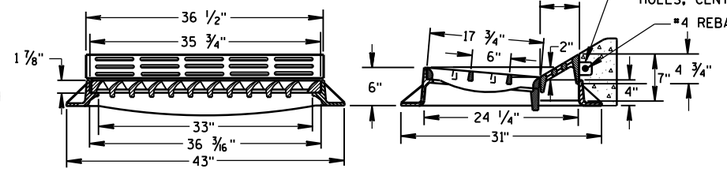
GENERAL NOTES

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

DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.



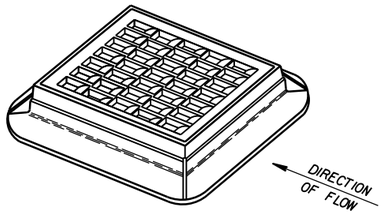


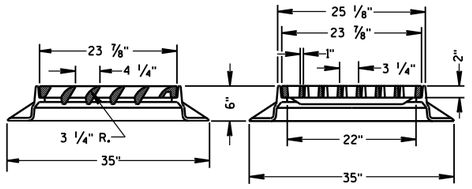


TYPE "HM"

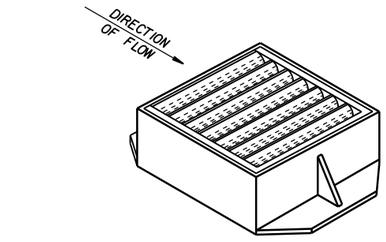
USE WITH TYPES A & D CONCRETE CURB & GUTTER, 36 INCH.

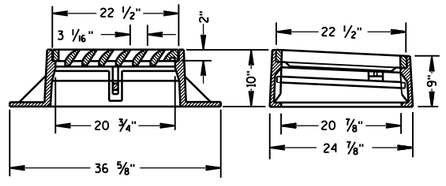
NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM" COVER
NOTED AS TYPE HM-S ON DRAINAGE TABLE



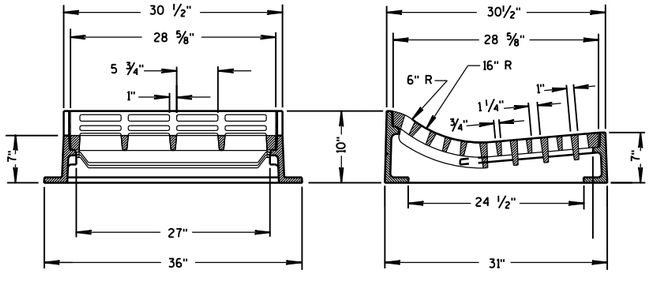


TYPE "S"



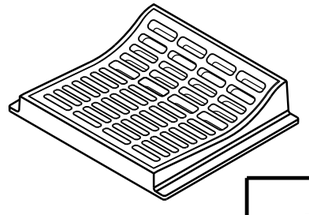


TYPE "V"



TYPE "T"

USE WITH TYPES R & T CONCRETE CURB & GUTTER, 36 INCH.



INLET COVERS
TYPE F, HM, HM-S, S, T, V, HM-GJ, & HM-GJ-S

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/27/2013
DATE

/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER

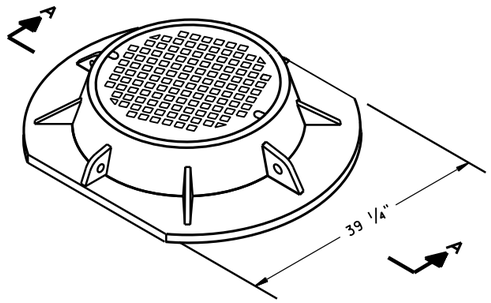
FHWA

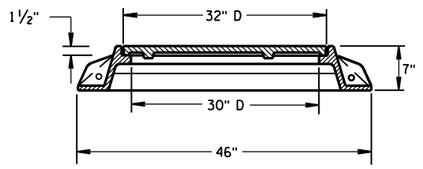
6

S.D.D. 8 A 5-19c

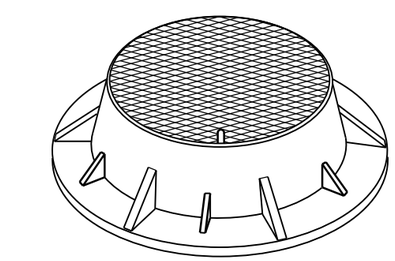
6

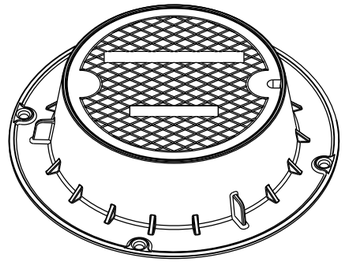
S.D.D. 8 A 5-19c

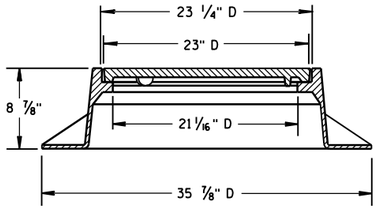


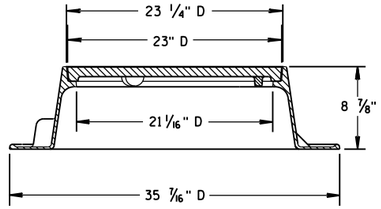


SECTION A-A
TYPE "K"









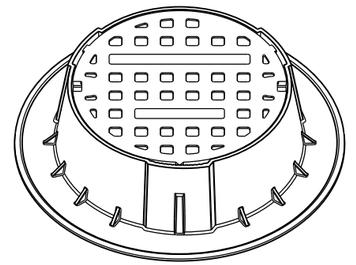
TYPE "J"
NOTE: EITHER CASTING IS ACCEPTABLE

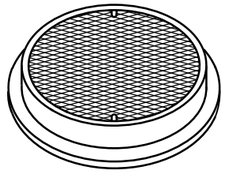
GENERAL NOTES

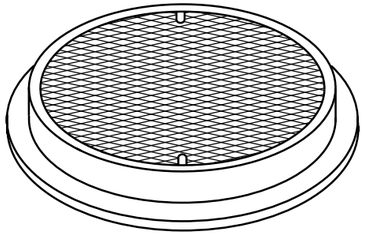
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

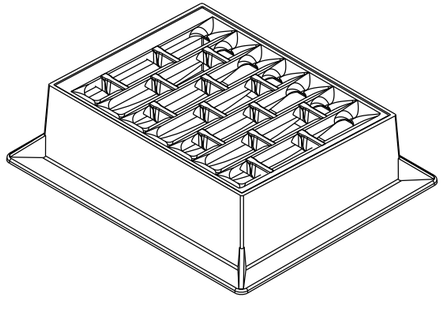
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR MANHOLE COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

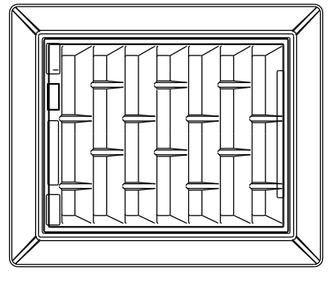
ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

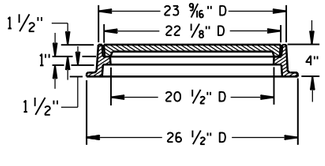




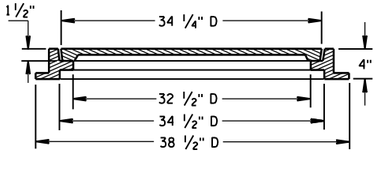




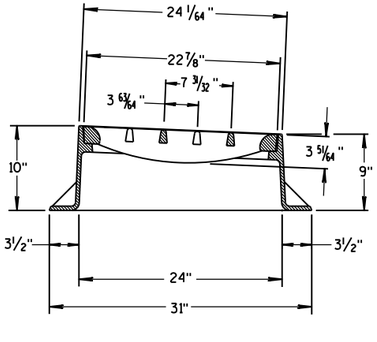


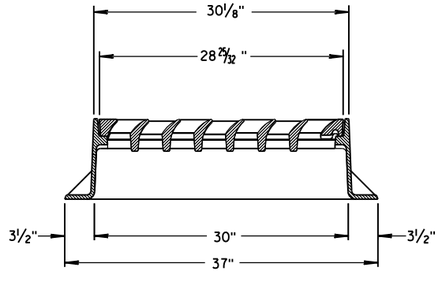


TYPE "L"

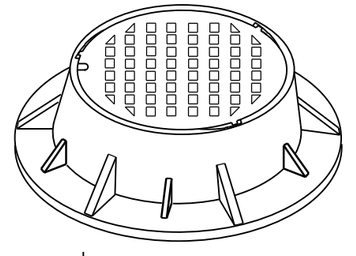


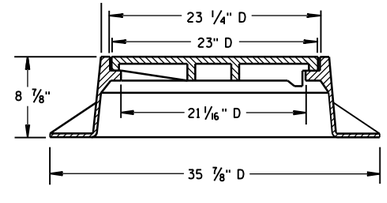
TYPE "M"





INLET COVER TYPE "BW"





TYPE "J" SPECIAL
TYPE "B" NON-ROCKING SELF-SEAL LID
(NOTED AS TYPE J-S ON THE DRAINAGE TABLE)
NOTE: EITHER CASTING IS ACCEPTABLE

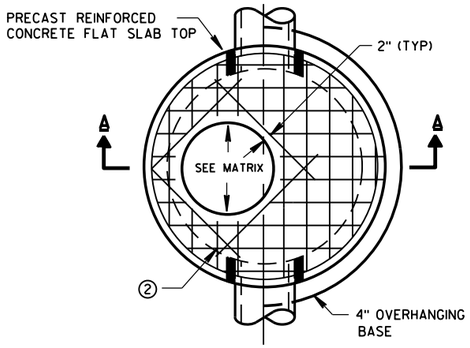
INLET COVER TYPE BW
MANHOLE COVERS, TYPE K, J, J-S, L & M

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

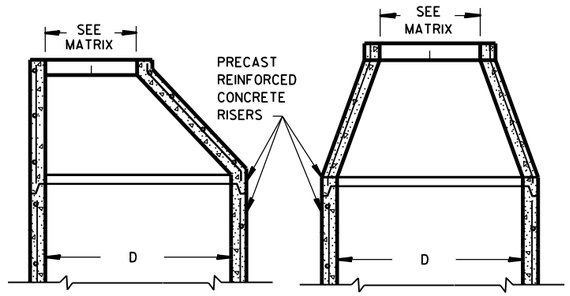
APPROVED
11/27/2013
DATE
FHWA

/S/ Jerry H. Zogg
ROADWAY STANDARDS D 207
ENGINEER

6
S.D.D. 8 A 5-19d

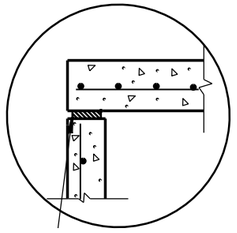


PLAN VIEW CIRCULAR OPENING

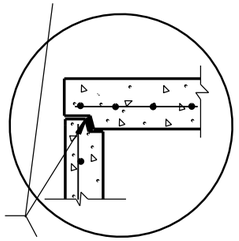


OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP

OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP

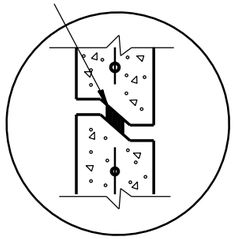


TOP WITH PLAIN END JOINT



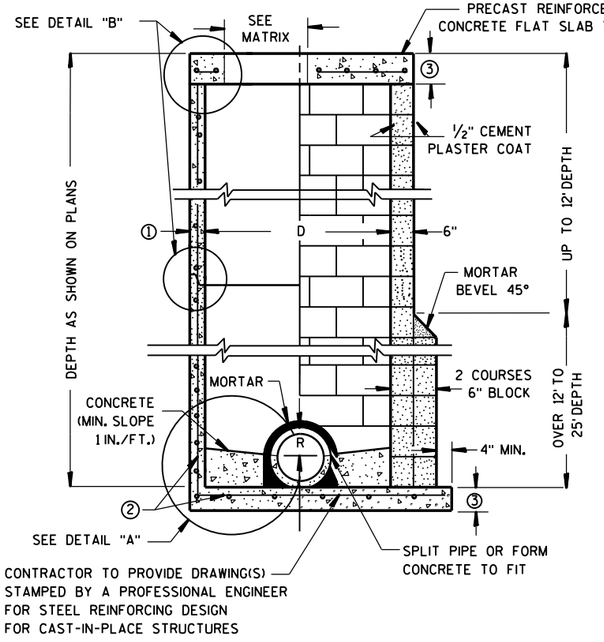
JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C990 (TYP)

TOP WITH TONGUE AND GROOVE JOINT



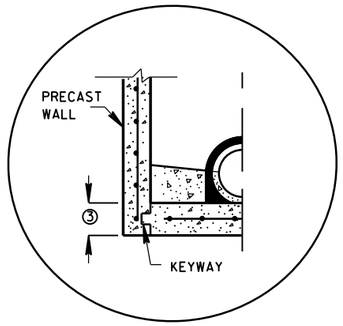
RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B"

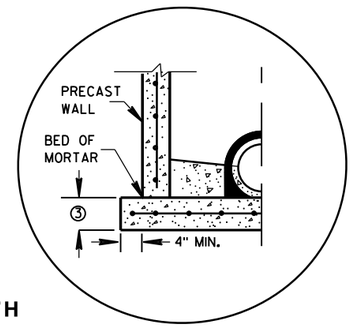


PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②

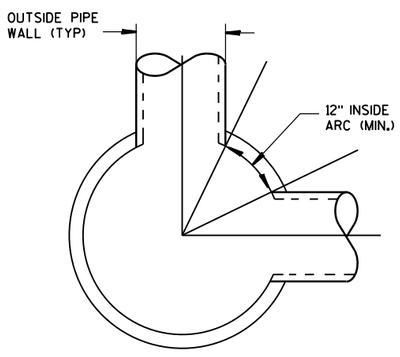


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



DETAIL "C"

GENERAL NOTES

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

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST MANHOLE UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF GRANULAR BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

PRECAST REINFORCED CONE TOPS (ECCENTRIC OR CONCENTRIC) OR PRECAST REINFORCED FLAT SLAB TOPS MAY BE USED ON CONCRETE BLOCK STRUCTURES. THE CONE TOPS SHALL BE INSTALLED ON A BED OF MORTAR.

ECCENTRIC CONE TOPS MAY BE USED ON ALL STRUCTURES, AND CONCENTRIC CONE TOPS SHALL BE USED ONLY ON STRUCTURES 5 FEET OR LESS IN DEPTH, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

STEPS MEETING AASHTO M199 AND THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH: 16 INCH C-C MAXIMUM SPACING; PROJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES FROM THE WALL AT THE POINT OF EMBEDMENT; MINIMUM LENGTH OF 10 INCHES; MINIMUM WALL EMBEDMENT OF 3 INCHES. FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS SECTIONAL DIMENSION OF 1 INCH.

STEPS OF APPROVED POLYPROPYLENE PLASTIC COATED REINFORCEMENT BAR ARE ACCEPTABLE. REINFORCING BAR MUST BE A MINIMUM OF ½" AND MEET THE REQUIREMENTS OF ASTM A615.

CERTIFICATION SHALL BE PROVIDED THAT INSTALLED STEPS WHEN TESTED IN ACCORDANCE WITH SECTION 10 OF AASHTO T280 CAN WITHSTAND A VERTICAL LOAD OF 800 LBS. AND A HORIZONTAL LOAD OF 400 LBS.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

CONCRETE BLOCK WILL NOT BE PERMITED FOR STRUCTURES GREATER THAN 4 FEET IN DIAMETER.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

ALL PRECAST MANHOLE UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M 199.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "C".

① MINIMUM WALL THICKNESS SHALL BE 4 INCHES FOR 3-FT, 5 INCHES FOR 4-FT, 6 INCHES FOR 5-FT, 7 INCHES FOR 6-FT, 8 INCHES FOR 7-FT AND 9 INCHES FOR 8-FT DIAMETER PRECAST MANHOLES.

② FOR PRECAST MANHOLES PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

③ PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER OF 48" AND LESS SHALL HAVE A MINIMUM THICKNESS OF 6". PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER LARGER THAN 48" SHALL HAVE A MINIMUM THICKNESS OF 8".

MANHOLE COVER OPENING MATRIX

MANHOLE COVER TYPE	C	ALL J'S	K	L	M
OPENING SIZE (FT)					
2 DIA.	X	X		X	
3 DIA.			X		X

PIPE MATRIX

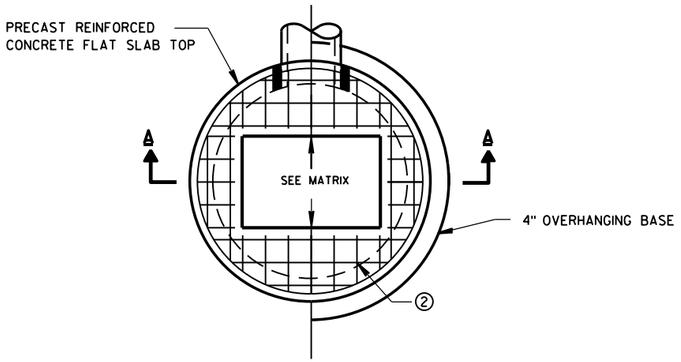
MANHOLE SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18
5-FT	36	24
6-FT	42	36
7-FT	48	36
8-FT	60	42

MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER

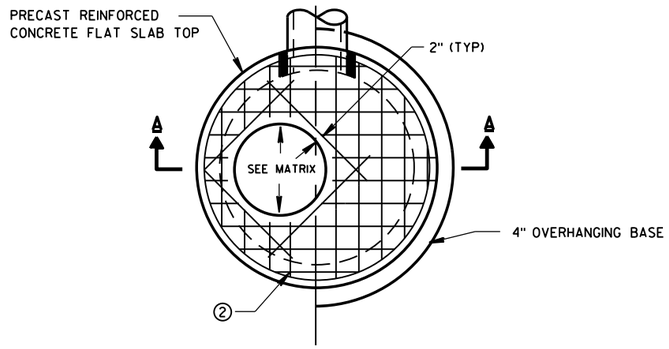
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/5/2012 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

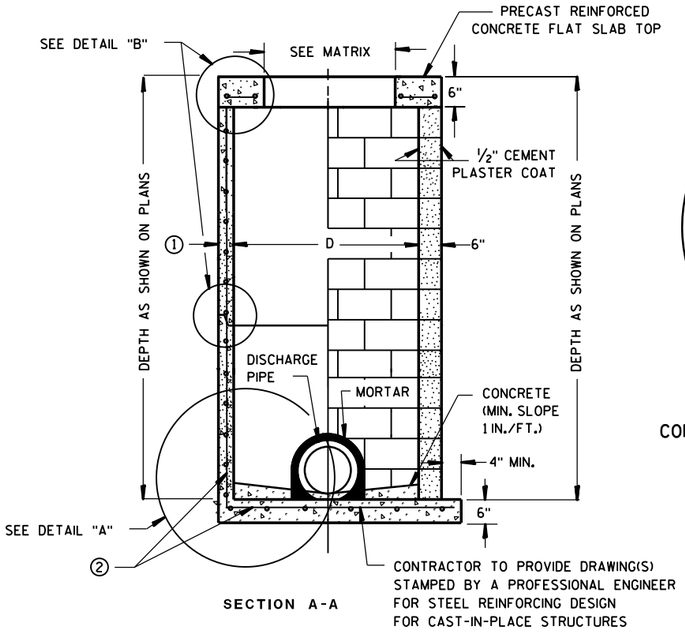
6
S.D.D. 8 B 9-1



PLAN VIEW RECTANGULAR OPENING



PLAN VIEW CIRCULAR OPENING

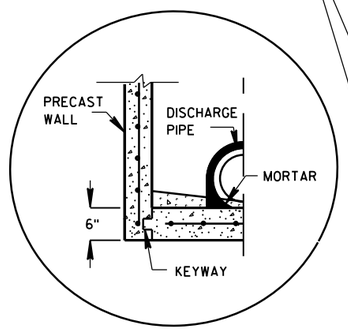


SECTION A-A

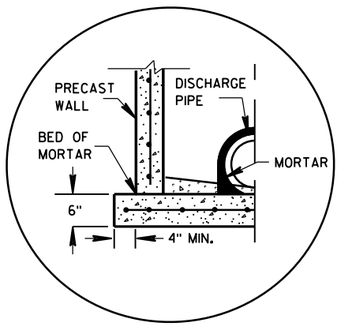
PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②

CIRCULAR INLETS W/ FLAT TOP

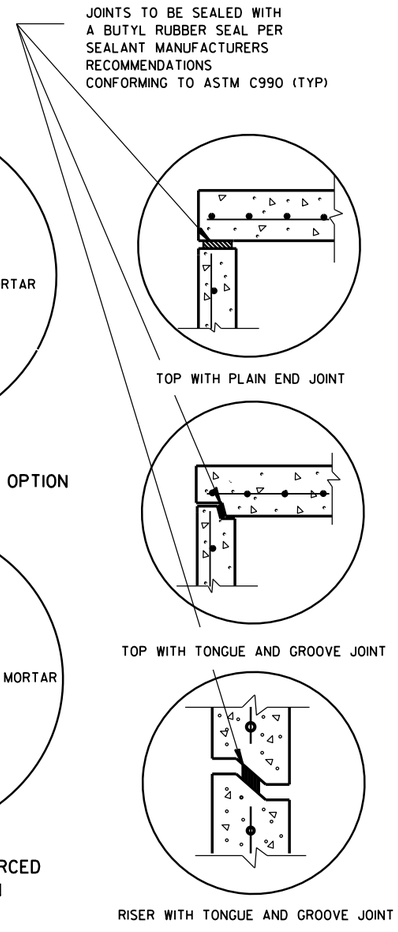


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



DETAIL "B"

GENERAL NOTES

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

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF GRANULAR BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M199.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

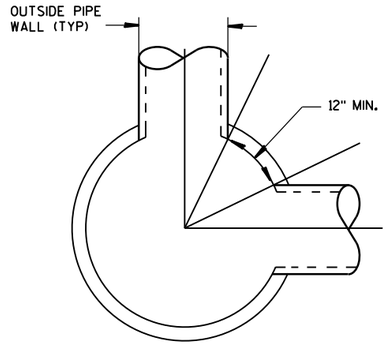
FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "C".

① MINIMUM WALL THICKNESS SHALL BE 4-IN FOR 3-FT DIAMETER AND 5-IN FOR 4-FT DIAMETER PRECAST INLETS.

② FOR PRECAST CATCH BASINS PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

INLET COVER OPENING MATRIX

	INLET COVER TYPE	ALL A'S	ALL B'S	BW	C	F	ALL H'S	S	T	V	WM	Z
INLET SIZE	OPENING SIZE (FT)											
3-FT	2 DIA.				X							X
	2X2	X	X					X		X		
4-FT	2 DIA.				X							X
	2X2	X	X					X		X		
	2X2.5			X				X	X	X	X	
	2X3						X					
	2.5X3					X						



DETAIL "C"

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18

INLETS 3-FT AND 4-FT DIAMETER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/5/2012
DATE
FHWA

/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER

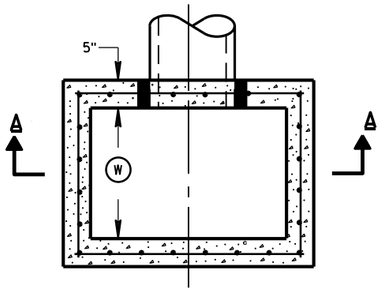
INLETS 3-FT AND 4-FT DIAMETER

6

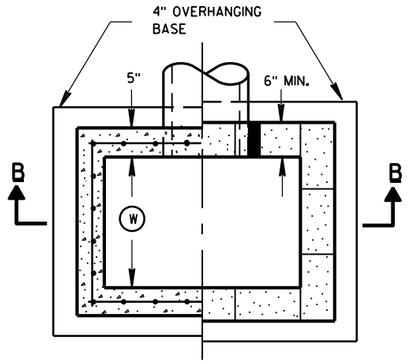
S.D.D. 8 C 6-1

6

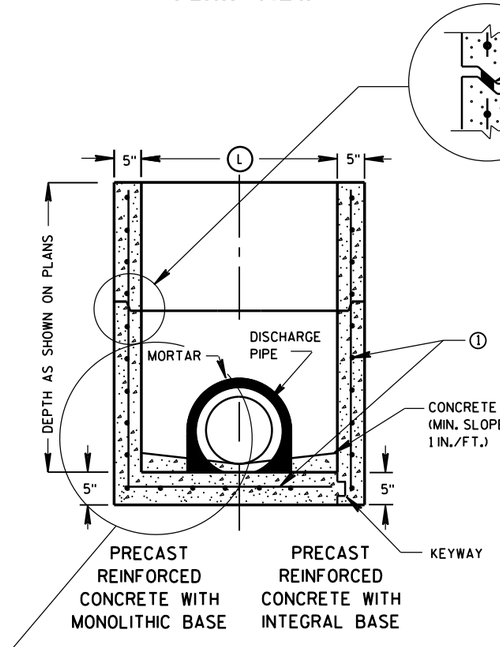
S.D.D. 8 C 6-1



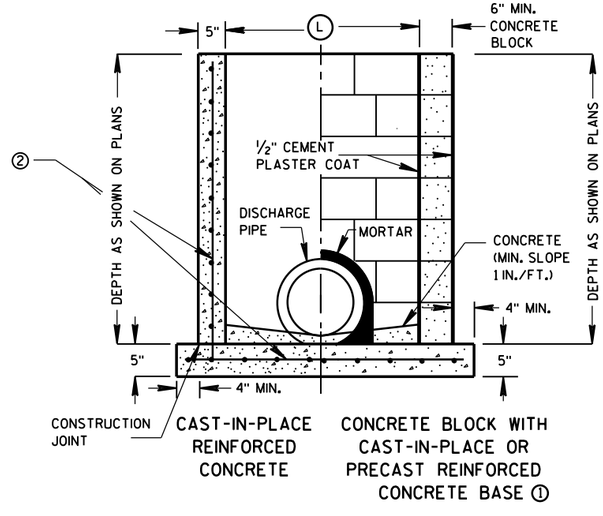
PLAN VIEW



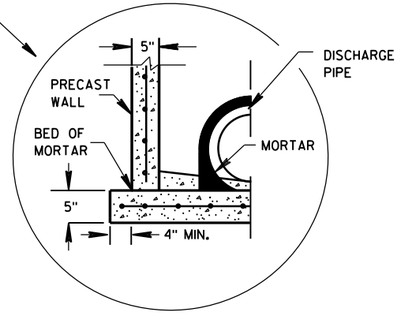
PLAN VIEW



SECTION A-A



SECTION B-B



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

GENERAL NOTES

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

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATES THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF GRANULAR BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

4" OVERHANGING BASES ARE REQUIRED FOR CAST-IN-PLACE REINFORCED CONCRETE AND CONCRETE BLOCK INSTALLATIONS.
4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED.
OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3 INCH CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

① FOR PRECAST INLETS PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

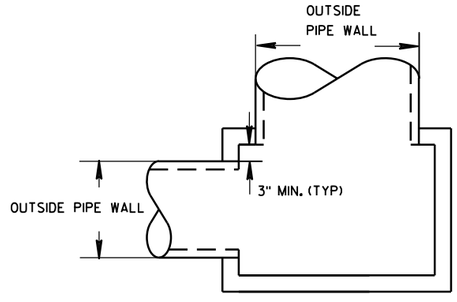
② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

INLET COVER MATRIX

INLET SIZE		INLET COVER TYPE	ALL A'S	ALL B'S	BW	F	ALL H'S	S	T	V	WM
	WIDTH (W) (FT)	LENGTH (L) (FT)									
2X2-FT	2	2	X	X				X		X	
2X2.5-FT	2	2.5			X			X	X	X	X
2X3-FT	2	3					X				
2.5X3-FT	2.5	3				X					

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER	
	WIDTH (IN)	LENGTH (IN)
2X2-FT	12	12
2X2.5-FT	12	18
2X3-FT	12	24
2.5X3-FT	18	24



DETAIL "A"

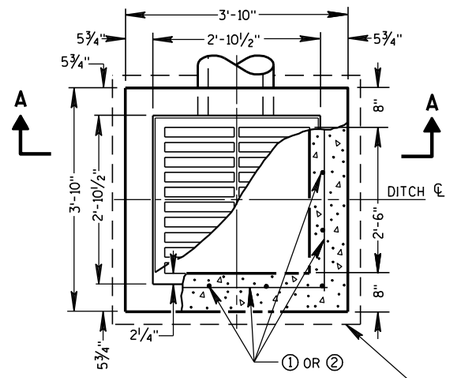
INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

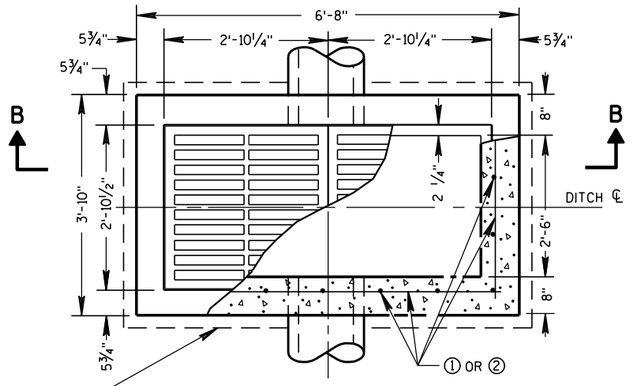
APPROVED
6/5/2012
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS DE
ENGINEER
FHWA

6

S.D.D. 8 C 7-1

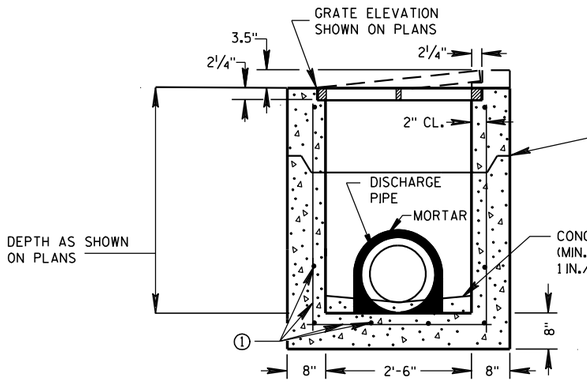


PLAN VIEW

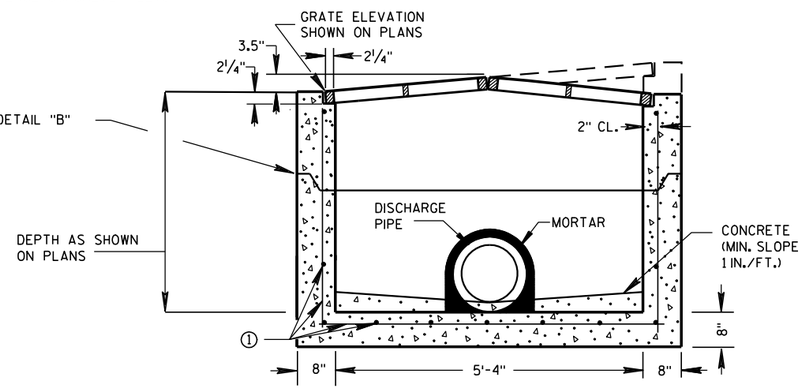


PLAN VIEW

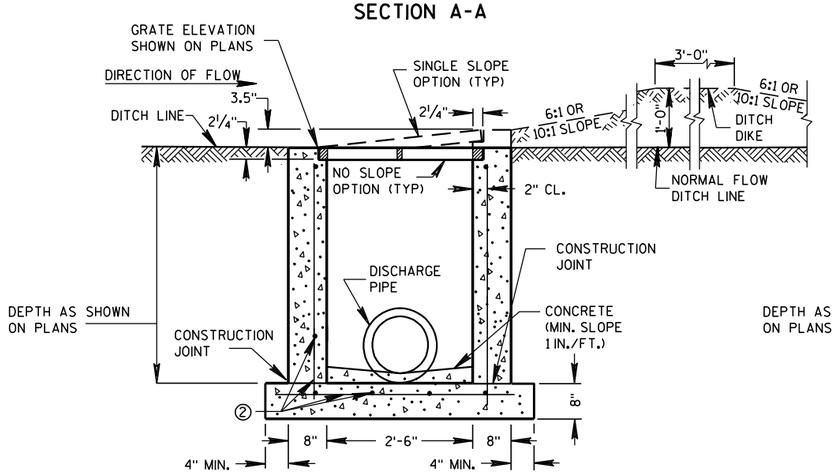
4" OVERHANGING BASE ON REINFORCED CAST-IN-PLACE CONCRETE INLETS



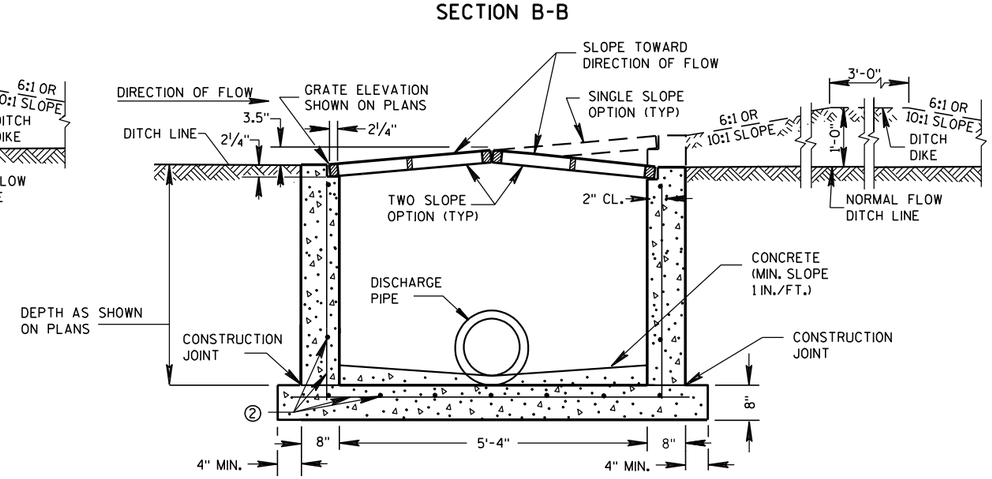
PRECAST REINFORCED CONCRETE SECTION A-A



PRECAST REINFORCED CONCRETE SECTION B-B



REINFORCED CAST-IN-PLACE CONCRETE SECTION A-A



REINFORCED CAST-IN-PLACE CONCRETE SECTION B-B

INLETS MEDIAN 1 GRATE

INLETS MEDIAN 2 GRATE

GENERAL NOTES

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DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR INLETS WHICH MAY INCLUDE PRECAST REINFORCED CONCRETE INLETS, SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL MEDIAN INLETS ARE DESIGNATED ON THE PLANS AS "INLETS, 1G-MS", ETC. THE FIRST NUMBER AND LETTER DESIGNATE THE TYPE OF STRUCTURE, AND THE FOLLOWING LETTERS DESIGNATE THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

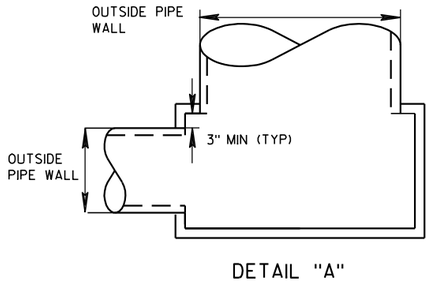
MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3" CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

① FOR PRECAST INLETS PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

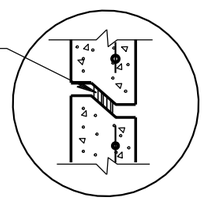
PIPE MATRIX

	MAXIMUM INSIDE PIPE DIAMETER	
INLET SIZE	WIDTH (IN)	LENGTH (IN)
1 GRATE	18	18
2 GRATE	18	42



DETAIL "A"

JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 (TYP)



DETAIL "B"

INLETS MEDIAN 1 AND 2 GRATE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

6/5/2012
DATE

/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER

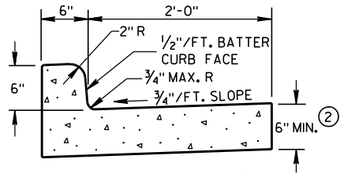
FHWA

6

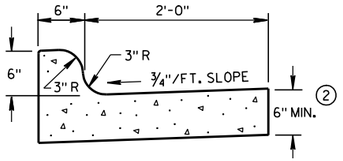
S.D.D. 8 C 8-1

6

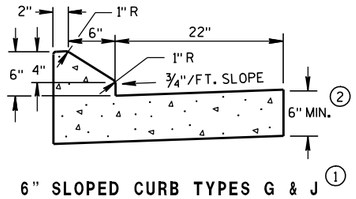
S.D.D. 8 C 8-1



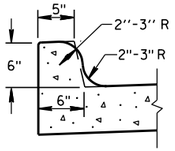
TYPES A & D (1)



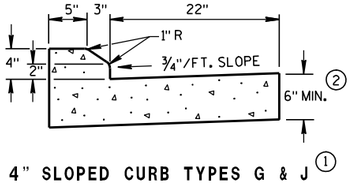
TYPES K & L (1)



6" SLOPED CURB TYPES G & J (1)

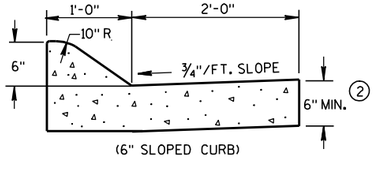


OPTIONAL CURB SHAPE FOR TYPES K & L (1)

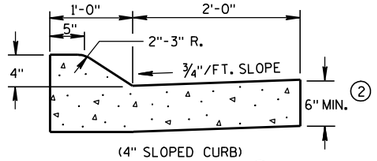


4" SLOPED CURB TYPES G & J (1)

CONCRETE CURB & GUTTER 30"

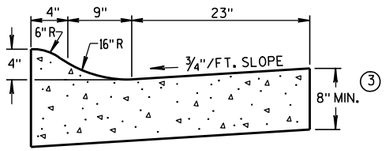


(6" SLOPED CURB)



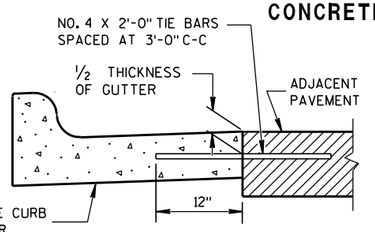
(4" SLOPED CURB)

TYPES A & D (1)

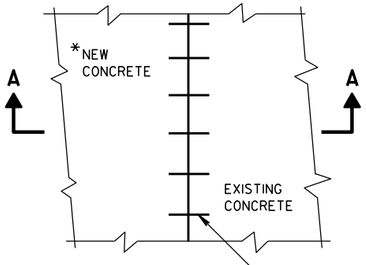


4" SLOPED CURB TYPES R & T (1) (4)

CONCRETE CURB & GUTTER 36"

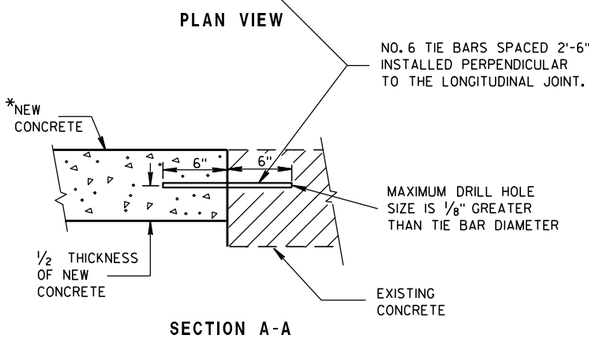


TYPICAL TIE BAR LOCATION (1)



PLAN VIEW

*NEW CURB & GUTTER, SURFACE DRAINS, CONCRETE PAVEMENT OR OTHER NEW CONCRETE.

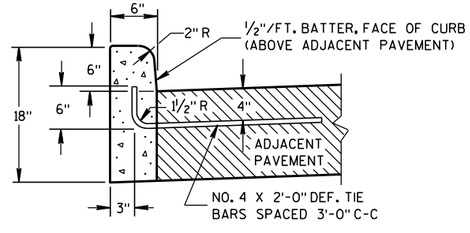


SECTION A-A

TIE BARS DRILLED INTO EXISTING PAVEMENT

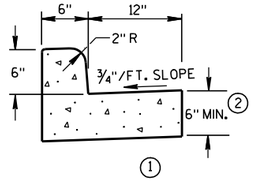
DRIVEWAY ENTRANCE CURB

(WHEN DIRECTED BY THE ENGINEER)



(1)

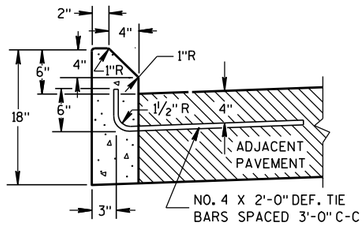
TYPES A & D



(1)

TYPES A & D

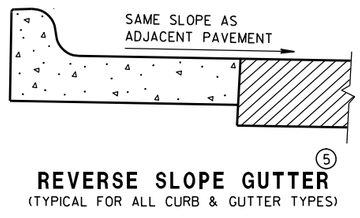
CONCRETE CURB & GUTTER 18"



(1)

TYPES G & J

CONCRETE CURB



(5)

REVERSE SLOPE GUTTER

(TYPICAL FOR ALL CURB & GUTTER TYPES)

GENERAL NOTES

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

PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

INTEGRAL CURB & GUTTER SHALL CONFORM TO THE DETAILS SHOWN FOR CONCRETE CURB & GUTTER INCLUDING THE TRANSVERSE GUTTER SLOPE. A LONGITUDINAL CONSTRUCTION JOINT IS NOT REQUIRED WITH INTEGRAL CURB AND GUTTER.

WHERE THE TRANSVERSE JOINTS IN THE PAVEMENT ARE REQUIRED TO BE SEALED, THE JOINTS IN THE INTEGRAL CURB AND GUTTER SHALL BE SEALED TO THE FACE OF CURB WITH THE SAME TYPE OF SEALANT. THE COST OF FURNISHING AND INSTALLING THIS SEALANT SHALL BE INCIDENTAL TO THE ITEM CONCRETE CURB AND GUTTER.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2'-0" BEHIND THE BACK OF CURBS.

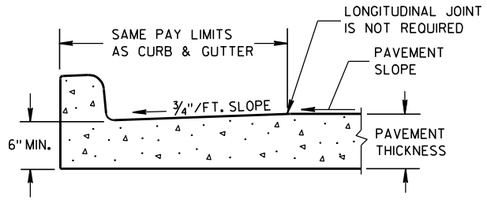
(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTER TYPES A, G, K AND R.

(2) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

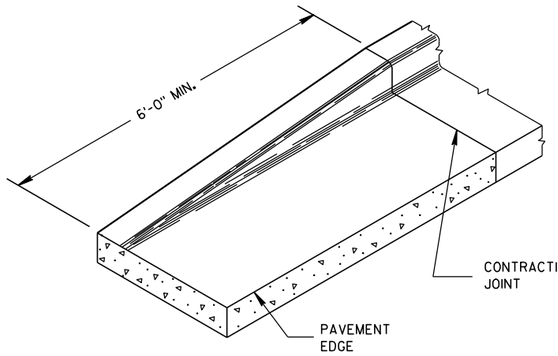
(3) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 8" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(4) THE FACE OF CURB IS 6" FROM THE BACK OF CURB.

(5) WHEN REVERSE SLOPE GUTTER IS REQUIRED, THE LOCATION(S) WILL BE SHOWN ELSEWHERE IN THE PLAN.



PARTIAL SECTION OF PAVEMENT WITH INTEGRAL CURB & GUTTER



END SECTION CURB & GUTTER

CONCRETE CURB, CONCRETE CURB & GUTTER AND TIES

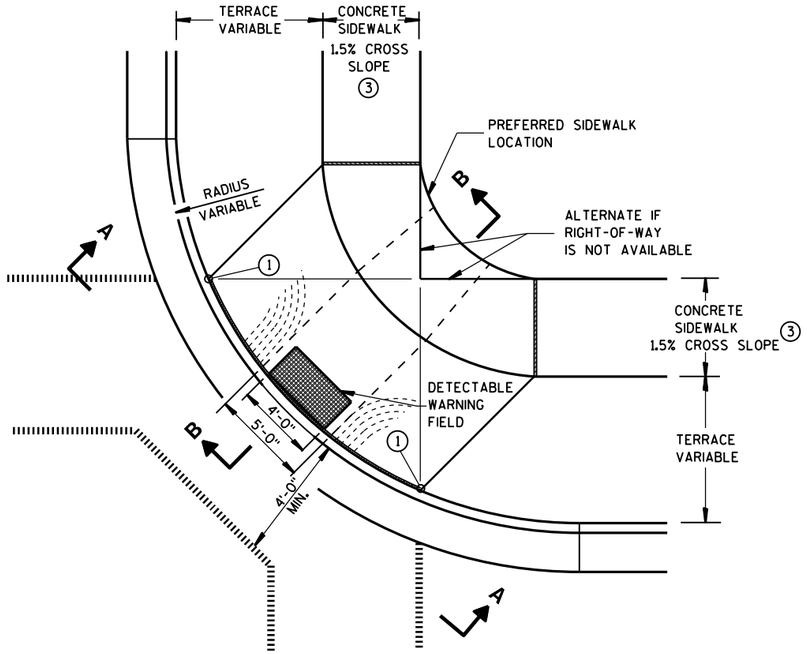
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
9/4/08 DATE
/S/ Jerry H. [illegible]
ROADWAY STANDARDS ENGINEER

FHWA

6

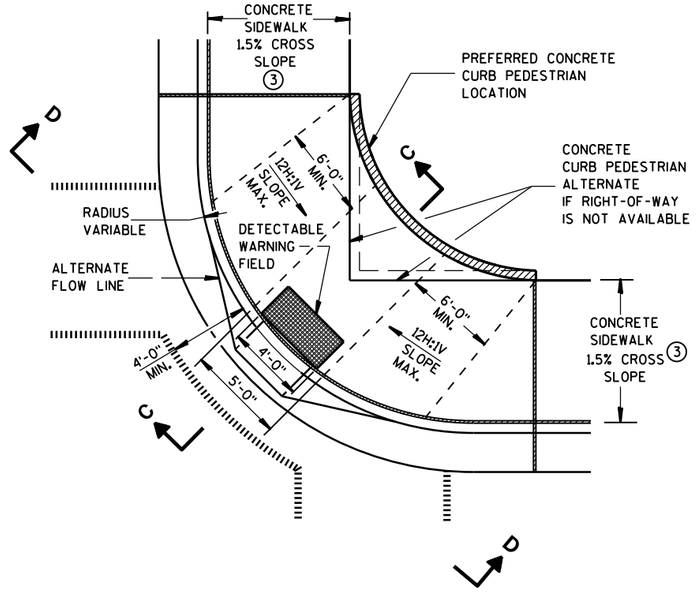
S.D.D. 8 D 1-17



PLAN VIEW

TYPE 1 RAMP

(CENTER OF CORNER RADIUS)



PLAN VIEW

TYPE 1-A RAMP

(NO TERRACE)

GENERAL NOTES

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

RAMPS SHALL BE BUILT AT 12H:1V OR FLATTER. WHEN NECESSARY, THE SIDEWALK ELEVATION MAY BE LOWERED TO MEET THE HIGH POINT ON THE RAMP.

TYPE 1 RAMPS SHALL HAVE A NORMAL SIDEWALK APRON AND CURB ON BOTH SIDES OF RAMP.

DETECTABLE WARNING FIELD SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS "CURB RAMP DETECTABLE WARNING FIELD". THE CONCRETE PEDESTRIAN CURB, IF NEEDED, SHALL BE MEASURED AND PAID BY THE LINEAL FOOT AS "CONCRETE CURB PEDESTRIAN". CONCRETE SIDEWALK IN THE CURB RAMP AREA SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS CONCRETE SIDEWALK, INCLUDING THE AREA UNDER THE DETECTABLE WARNING FIELD.

SELECT CURB RAMP DETECTABLE WARNING FIELD MATERIALS AND DEVICES FROM THE DEPARTMENT'S APPROVED MATERIALS LIST. THE COLOR OF THE DETECTABLE WARNING FIELD IS SPECIFIED ELSEWHERE AND IS INCIDENTAL TO THE BID ITEM OF "CURB RAMP DETECTABLE WARNING FIELD".

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

SURFACE TEXTURE OF THE RAMP SHALL BE OBTAINED BY COARSE BROOMING TRANSVERSE TO THE SLOPE OF THE RAMP.

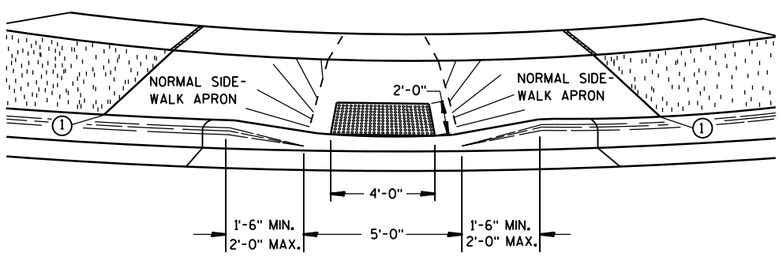
① THIS POINT IS AN EXTENSION OF OUTSIDE EDGE OF APPROACHING SIDEWALK WHERE IT MEETS THE BACK OF CONCRETE CURB.

② GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. PROVIDE DRAINAGE AWAY FROM CURB RAMP AT GUTTER FLAG INTERFACE.

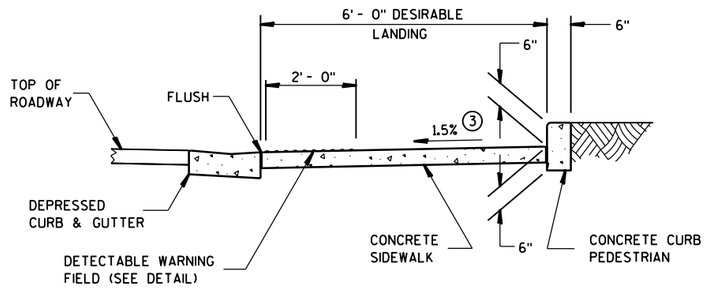
③ ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

LEGEND

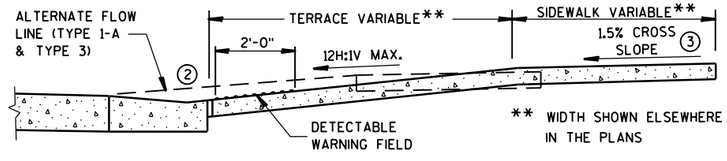
- ½" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)
- ALTERNATIVE LAYOUT



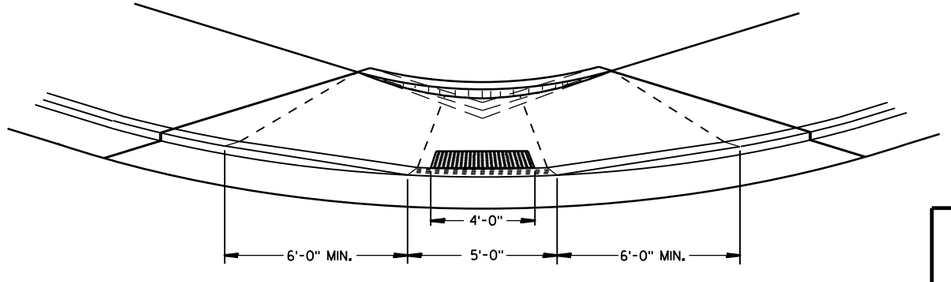
VIEW A-A



SECTION C-C



SECTION B-B



VIEW D-D

CURB RAMPS TYPES 1 AND 1-A

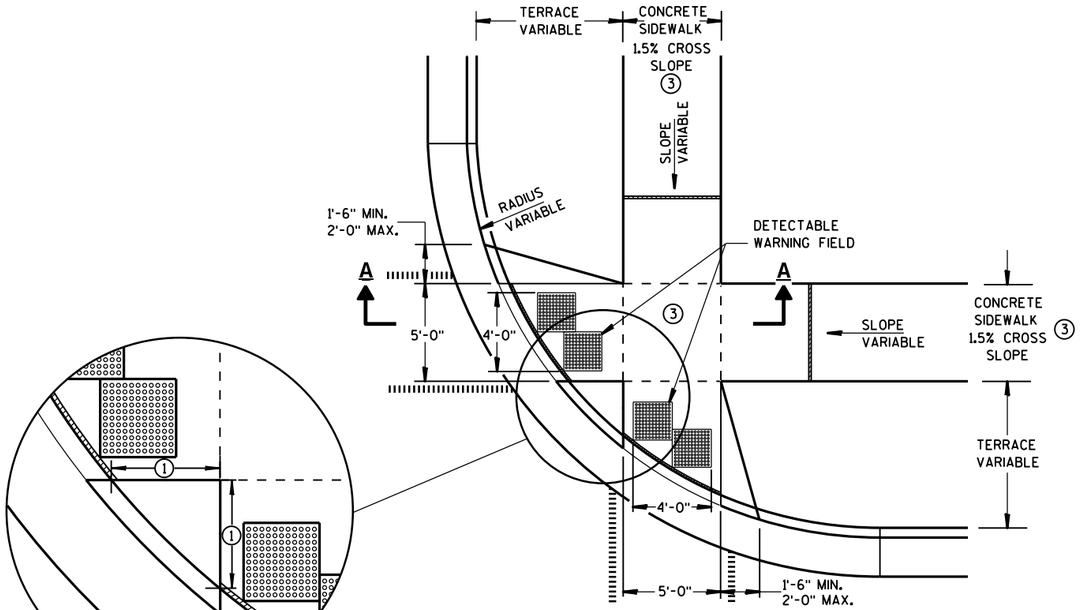
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

S.D.D. 8 D 5-15a

6

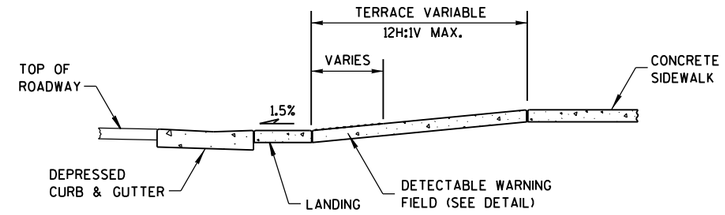
S.D.D. 8 D 5-15a



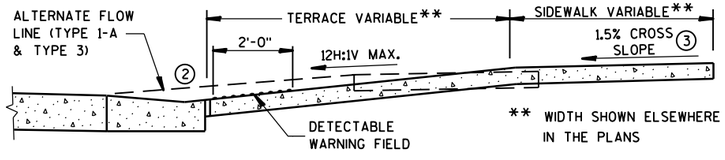
PLAN VIEW

TYPE 2 RAMP

(ON LINE WITH SIDEWALK)



SECTION A-A



SECTION B-B

GENERAL NOTES

USE THE TYPE 3 RAMP ONLY WHEN A TYPE 1 OR TYPE 2 CANNOT BE ACHIEVED BECAUSE OF FIELD CONDITIONS.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

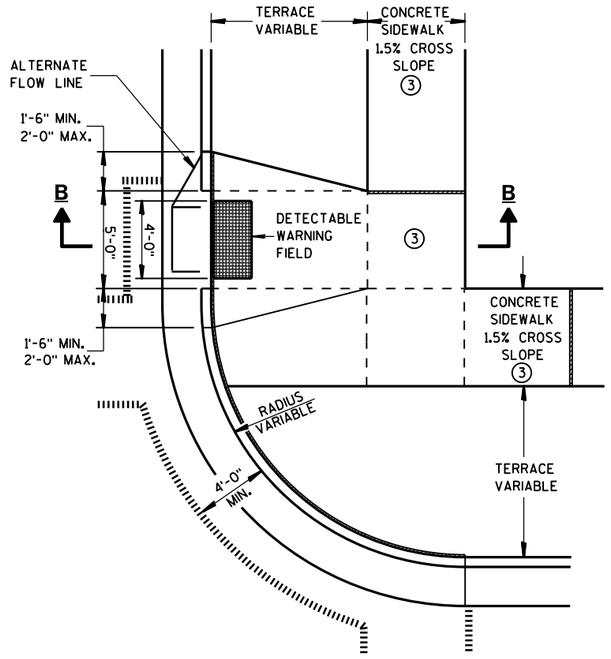
① WHEN THIS DISTANCE IS LESS THAN 6'-0" IT MAY BE DIFFICULT TO ACHIEVE A 12H:1V SLOPE, OR FLATTER, ON THE RAMP. REDUCE CURB HEIGHT IN TRIANGLE AREA TO ACHIEVE 12H:1V SLOPE, OR FLATTER, ON RAMP. 2" MINIMUM CURB HEIGHT.

② GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. PROVIDE DRAINAGE AWAY FROM CURB RAMP AT GUTTER FLAG INTERFACE.

③ ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

LEGEND

- ½" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)
- ALTERNATIVE LAYOUT



PLAN VIEW

TYPE 3 RAMP

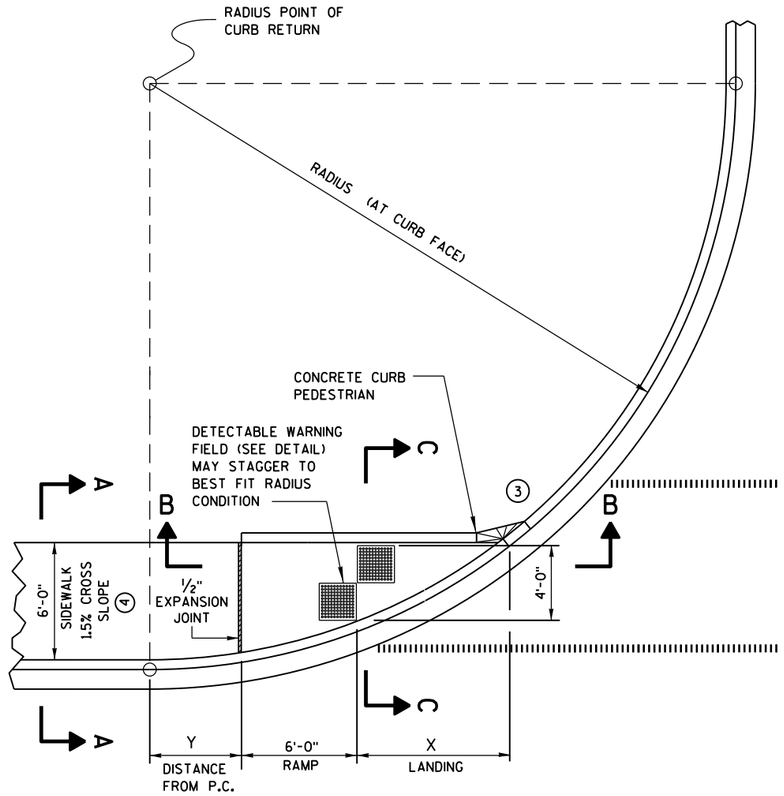
(OUTSIDE OF CROSSWALK AREA)

CURB RAMPS
TYPES 2 AND 3

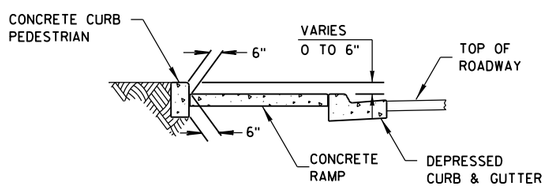
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

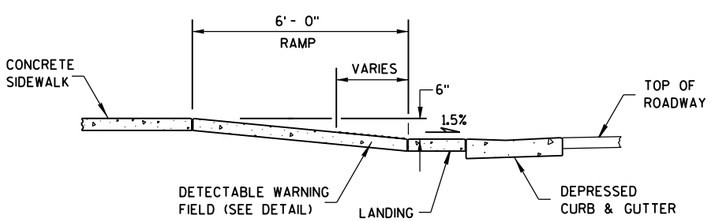
S.D.D. 8 D 5-15b



CURB RAMP TYPE 4A
PLAN VIEW



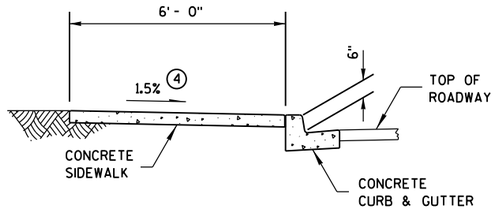
SECTION C-C FOR TYPE 4A



SECTION B-B FOR TYPE 4A

RADIUS (AT CURB FACE)	X	Y
20 FEET	6'-1¾"	2'-7¼"
30 FEET	7'-11¾"	4'-8¼"
40 FEET	9'-5¼"	6'-5"
50 FEET	10'-8¾"	7'-11¼"
60 FEET	11'-10¼"	9'-3½"

INTERMEDIATE RADII CAN BE INTERPOLATED



SECTION A-A FOR TYPE 4A

GENERAL NOTES

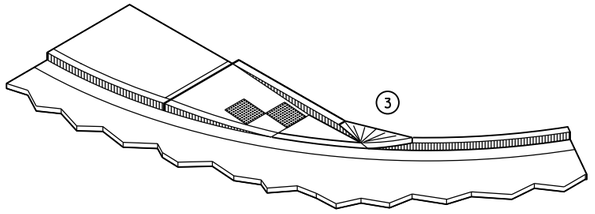
AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

RAMP SLOPES SHALL NOT BE STEEPER THAN 12:1.

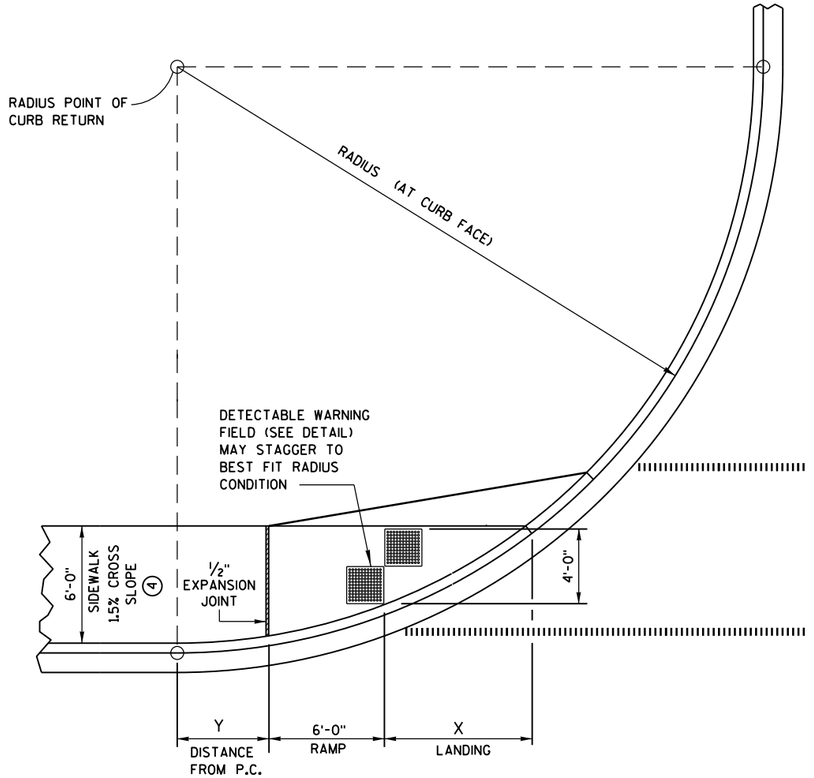
DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(3) INSTALL TRANSITION NOSE. (INCIDENTAL TO OTHER PAY ITEMS.) DO NOT MARK TRANSITION NOSE.

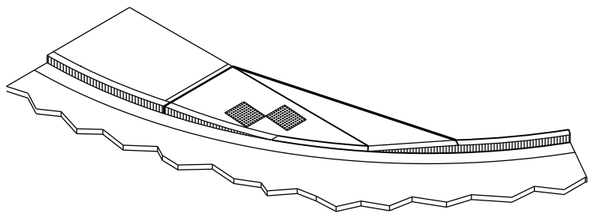
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.



ISOMETRIC VIEW FOR TYPE 4A



CURB RAMP TYPE 4A1
PLAN VIEW



ISOMETRIC VIEW FOR TYPE 4A1

LEGEND

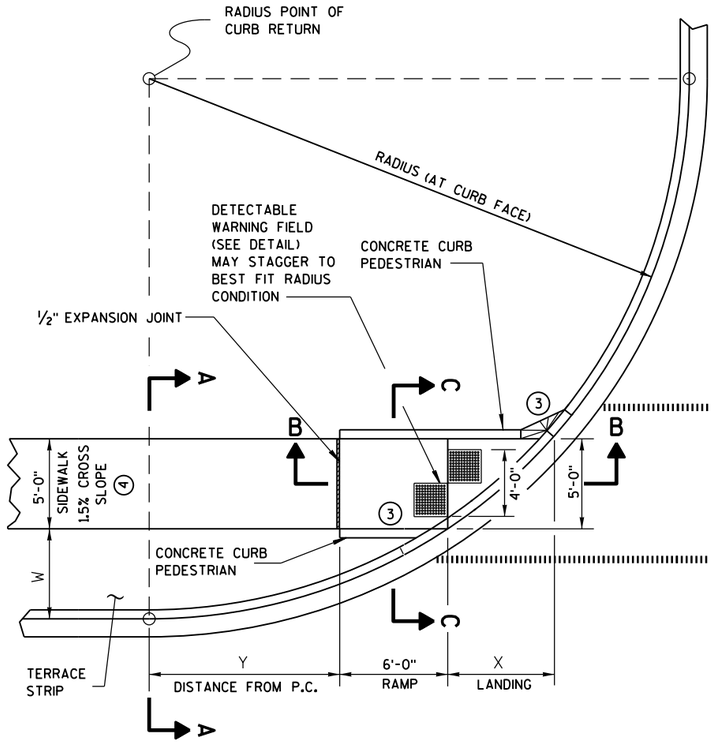
- 1/2" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS
TYPES 4A AND 4A1

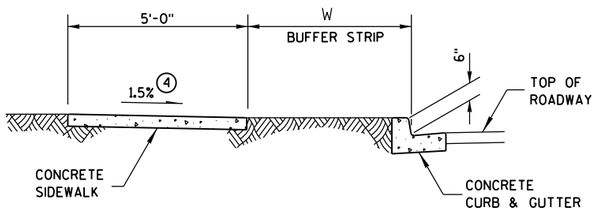
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

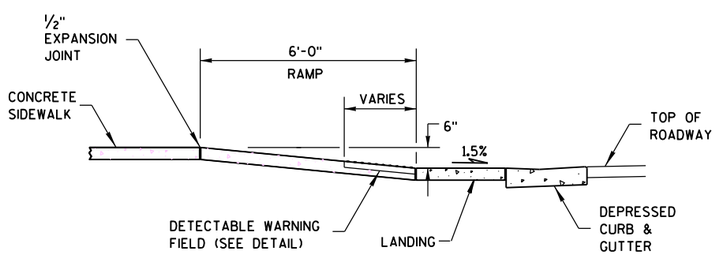
S.D.D. 8 D 5-15c



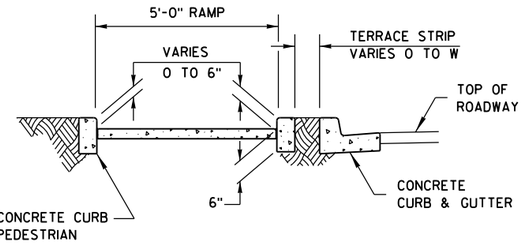
CURB RAMP TYPE 4B
PLAN VIEW



SECTION A-A FOR TYPE 4B



SECTION B-B FOR TYPE 4B



SECTION C-C FOR TYPE 4B

LEGEND

½" EXPANSION JOINT-SIDEWALK

CONTRACTION JOINT FIELD LOCATED

PAVEMENT MARKING CROSSWALK (WHITE)

RADIUS (AT CURB FACE)	W = 3'-0"		W = 4'-0"		W = 5'-0"		W = 6'-0"		W = 7'-0"	
	X	Y	X	Y	X	Y	X	Y	X	Y
20 FEET	5'-5½"	4'-6½"	4'-8½"	6'-0"	4'-1"	7'-2¾"	3'-7"	8'-3½"	3'-1½"	9'-2½"
30 FEET	7'-3¾"	7'-1"	6'-5½"	8'-11½"	5'-9¼"	10'-7"	5'-2½"	12'-0"	4'-8¾"	13'-3¼"
40 FEET	8'-9½"	9'-2½"	7'-10"	11'-5¼"	7'-1"	13'-4½"	6'-5¾"	15'-¾"	5'-11½"	16'-7¼"
50 FEET	10'-¾"	11'-¾"	9'-¼"	13'-7¼"	8'-2½"	15'-9½"	7'-6½"	17'-9"	6'-11¾"	19'-6¼"
60 FEET	11'-2½"	12'-8¾"	10'-¾"	15'-6½"	9'-2¼"	17'-11¾"	8'-5¾"	20'-1¾"	7'-10½"	22'-1½"

INTERMEDIATE RADII CAN BE INTERPOLATED

GENERAL NOTES

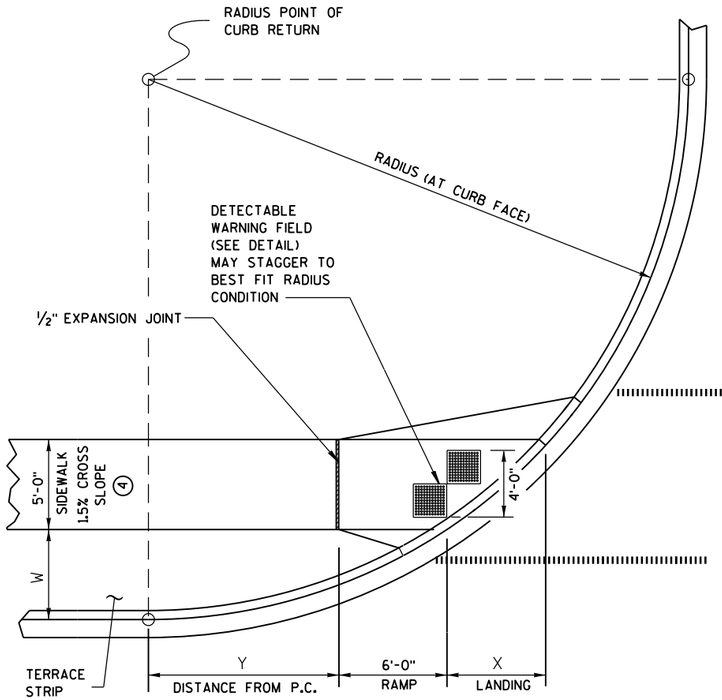
AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

RAMP SLOPES SHALL NOT BE STEEPER THAN 12:1.

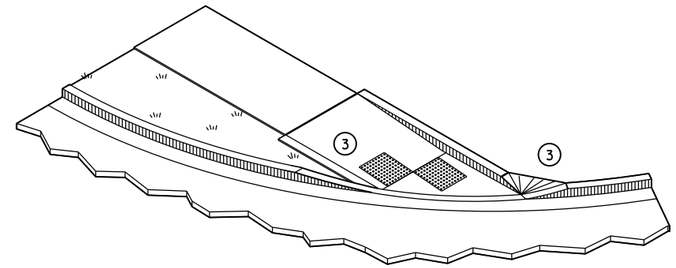
DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(3) INSTALL TRANSITION NOSE. (INCIDENTAL TO OTHER PAY ITEMS.) DO NOT MARK TRANSITION NOSE.

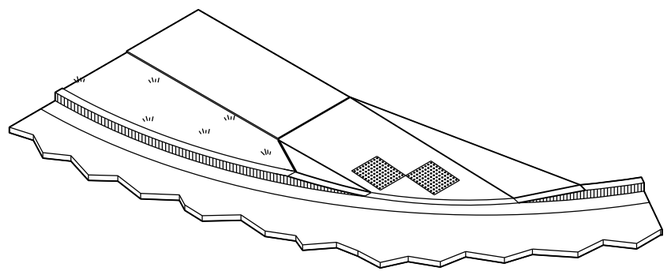
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.



CURB RAMP TYPE 4B1
PLAN VIEW



ISOMETRIC VIEW FOR TYPE 4B



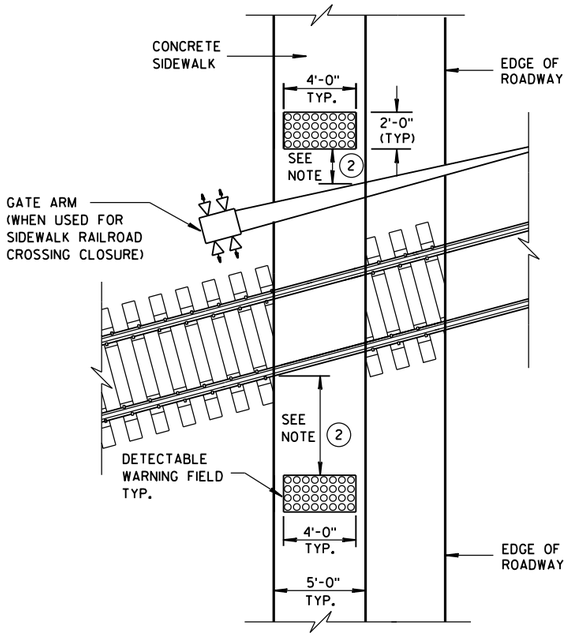
ISOMETRIC VIEW FOR TYPE 4B1

CURB RAMPS TYPE 4B AND 4B1

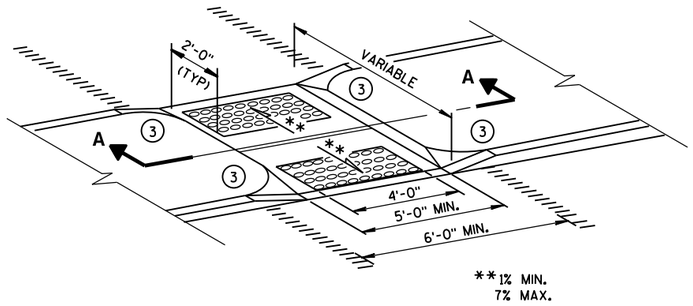
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

S.D.D. 8 D 5-15d



TYPE 8
DETECTABLE WARNINGS AT RAILROAD CROSSING



MEDIAN ISLAND
NON-ELEVATED CROSSING
TYPE 5

GENERAL NOTES

SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

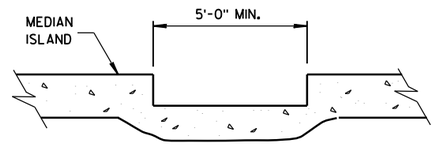
DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(1) SLOPE SIDEWALK TOWARD LANDING AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

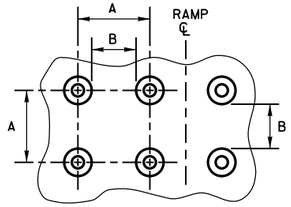
(2) THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO A RAILROAD CROSSING SHALL BE 1.5 FEET ± 0.1' FROM THE FACE OF THE GATE ARM IF THE GATE ARM EXTENDS ACROSS THE SIDEWALK. WHERE THERE IS NO PEDESTRIAN GATE, THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO THE RAILROAD CROSSING SHALL BE 15 FEET FROM THE NEAREST RAIL.

(3) INSTALL TRANSITION NOSE. (INCIDENTAL TO OTHER PAY ITEMS.) DO NOT MARK TRANSITION NOSE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.



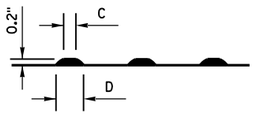
SECTION A-A



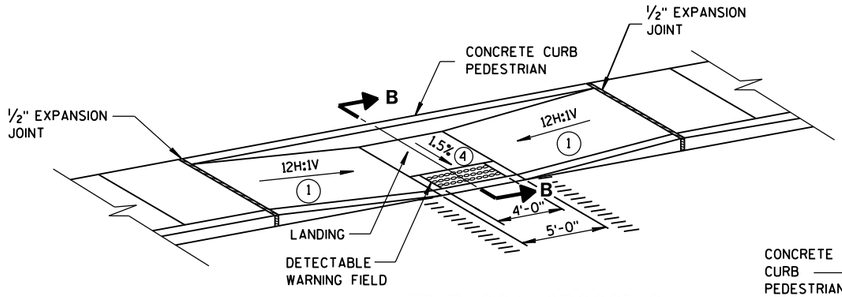
PLAN VIEW

	MIN.	MAX.
A	1.6"	2.4"
B	0.65"	1.5"
C	*	*
D	0.9"	1.4"

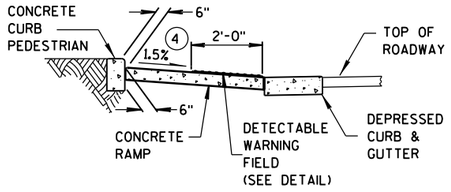
* THE C DIMENSION IS 50% TO 65% OF THE D DIMENSION.



ELEVATION VIEW

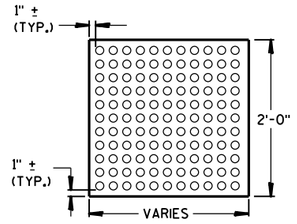


MID-BLOCK CROSSING
TYPE 7A



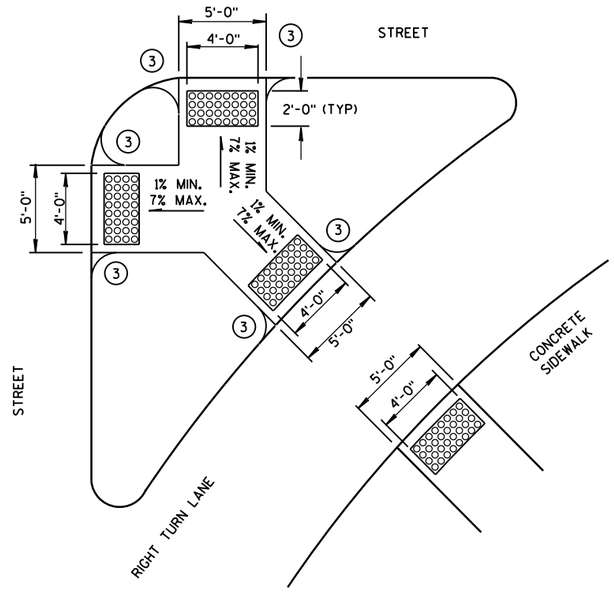
SECTION B-B

TRUNCATED DOMES
DETECTABLE WARNING PATTERN DETAIL

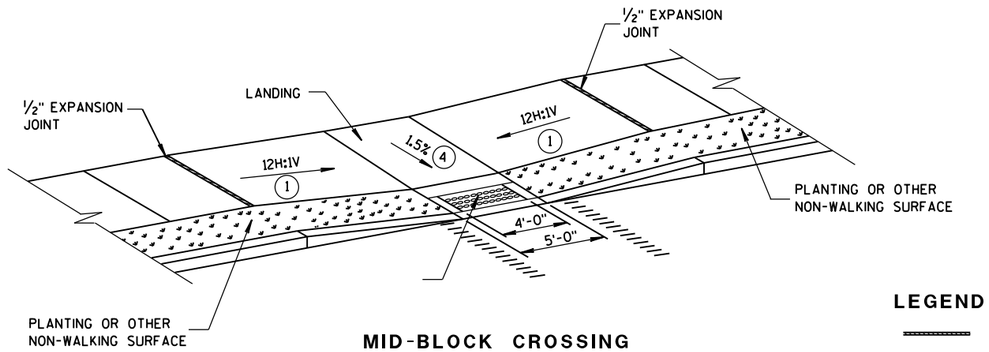


PLAN VIEW

DETECTABLE WARNING FIELD (TYPICAL)



TYPE 6
DETECTABLE WARNING AT ISLANDS



MID-BLOCK CROSSING
TYPE 7B

NOTE: THESE PARALLEL AND PARALLEL/PERPENDICULAR CURB RAMPS MAY BE USED AT INTERSECTIONS AND MID BLOCK LOCATIONS.

LEGEND

- ½" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS
TYPES 5, 6, 7A, 7B & 8

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

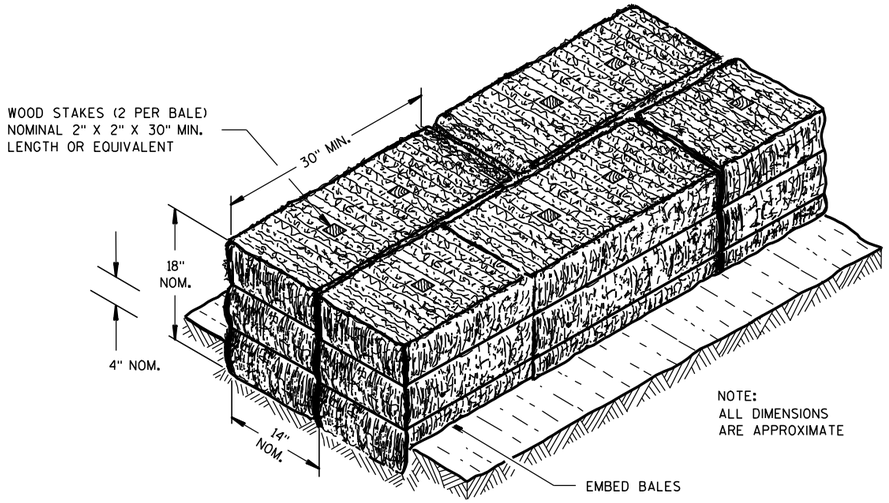
APPROVED
2-6-2013 DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

6

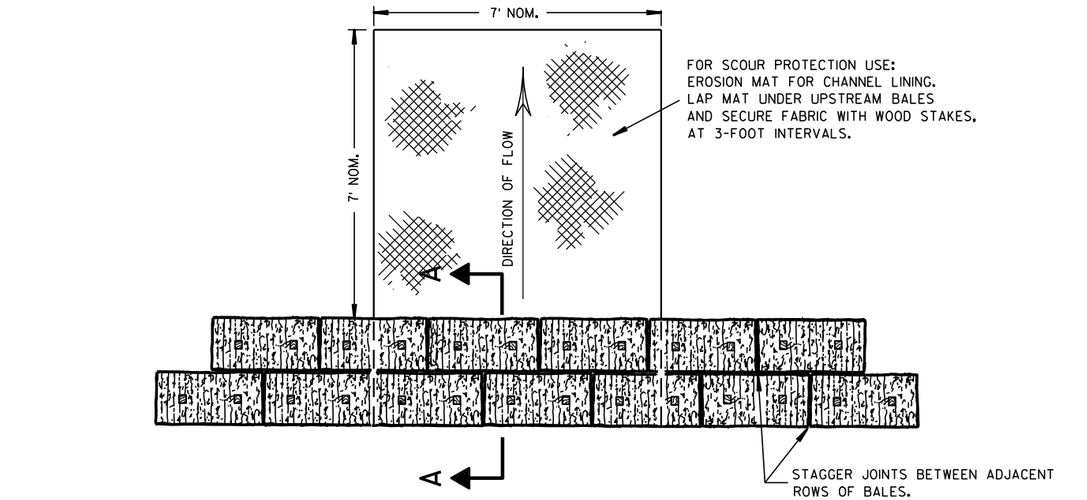
S.D.D. 8 D 5-15e

6

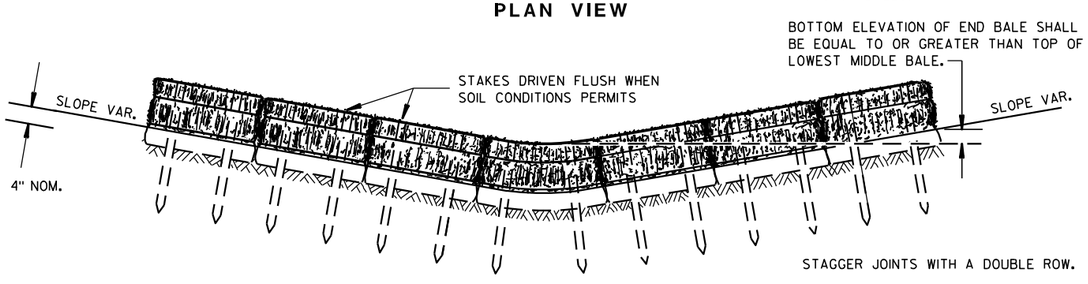
S.D.D. 8 D 5-15e



SECTION A-A



PLAN VIEW



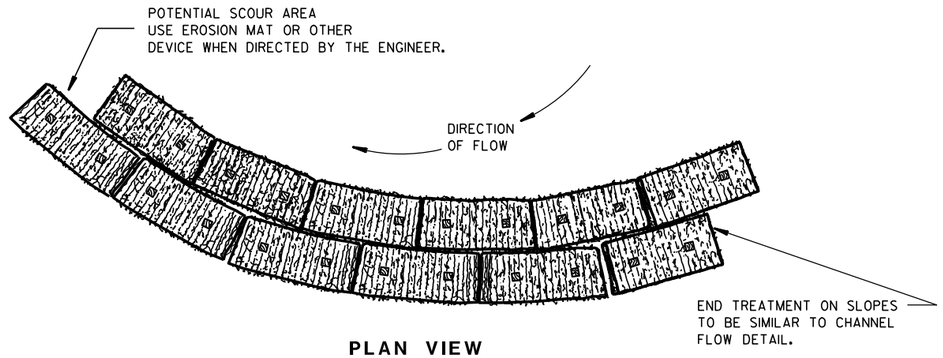
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES (1)

GENERAL NOTES

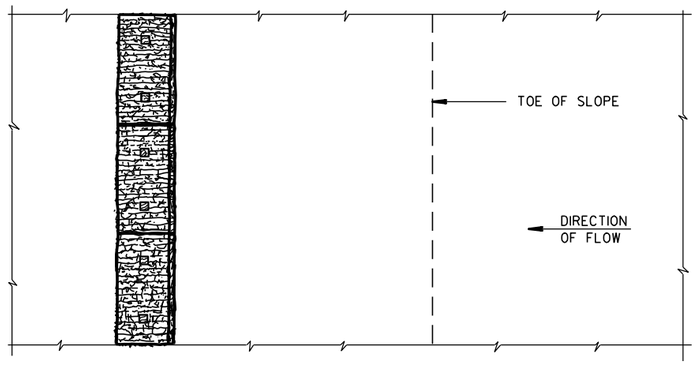
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

(1) TEMPORARY DITCH CHECKS EITHER EROSION BALES OR MANUFACTURED SHALL BE PAID FOR UNDER THE BID ITEM OF TEMPORARY DITCH CHECK. THE DEPARTMENT WILL NOT PAY FOR TEMPORARY DITCH CHECKS CONSTRUCTED OF A SINGLE ROW OF EROSION BALES.

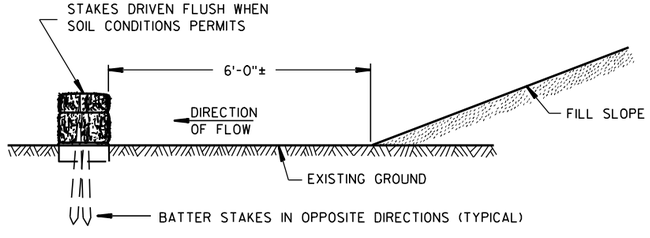


PLAN VIEW

WHEN ALTERING THE DIRECTION OF FLOW



PLAN VIEW



FRONT ELEVATION

WHEN EXISTING GROUND SLOPES AWAY FROM FILL SLOPE

EROSION BALES FOR SHEET FLOW

TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

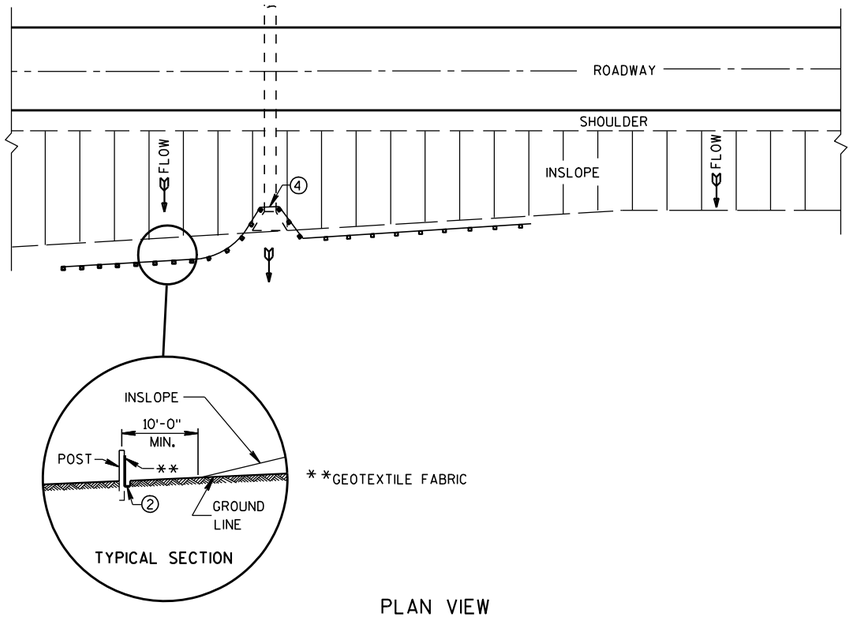
APPROVED
6/04/02 DATE
/S/ Beth Cannestra CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6

S.D.D. 8 E 8-3

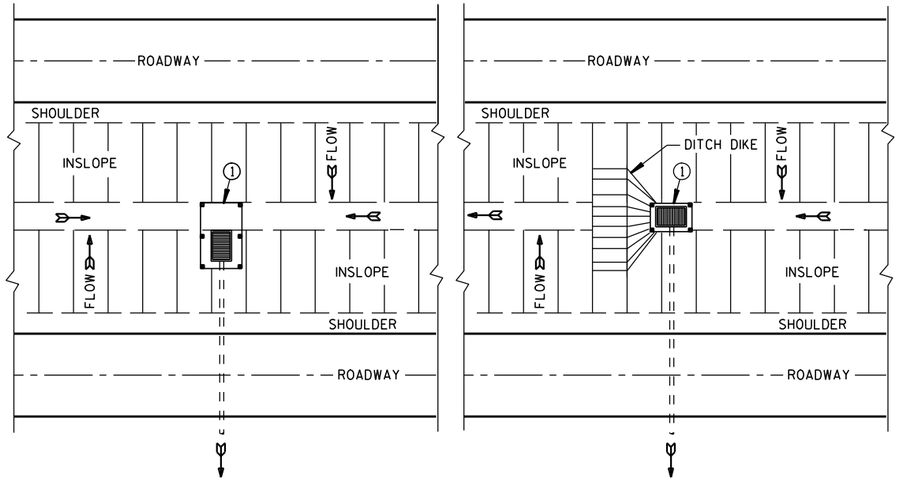
6

S.D.D. 8 E 8-3



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



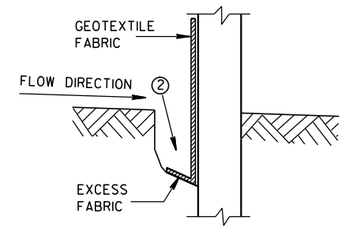
PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

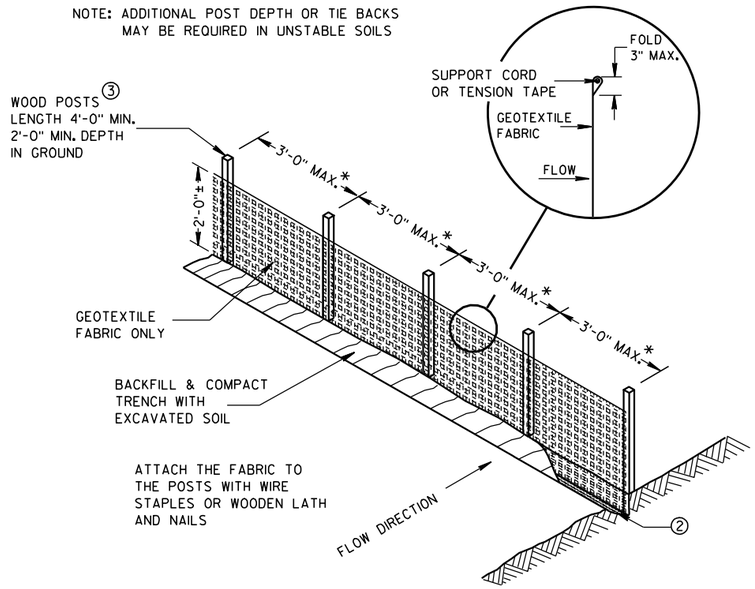
GENERAL NOTES

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

1. HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
2. FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
3. WOOD POSTS SHALL BE A MINIMUM SIZE OF 1⅛" X 1⅛" OF OAK OR HICKORY.
4. SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.
5. CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.

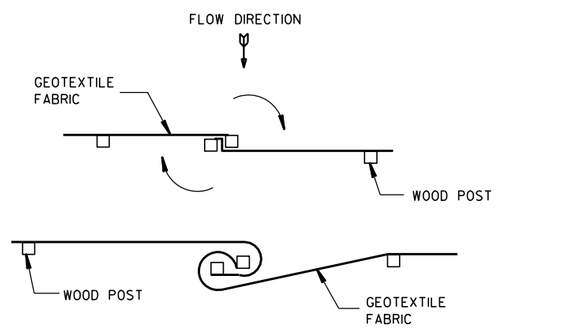


TRENCH DETAIL

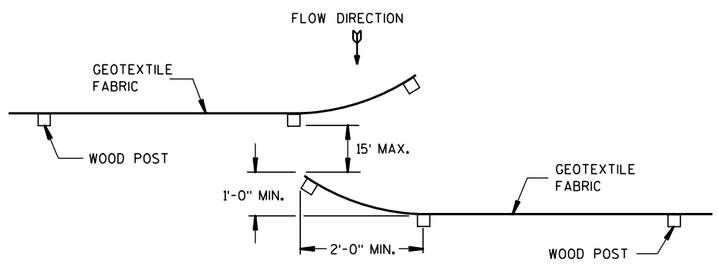


*NOTE: 8'-0" POST SPACING ALLOWED IF A WOVEN GEOTEXTILE FABRIC IS USED.

SILT FENCE

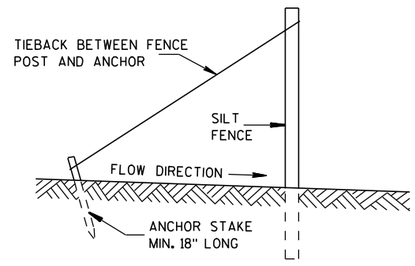


TWIST METHOD



HOOK METHOD

JOINING TWO LENGTHS OF SILT FENCE 5



SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)

SILT FENCE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

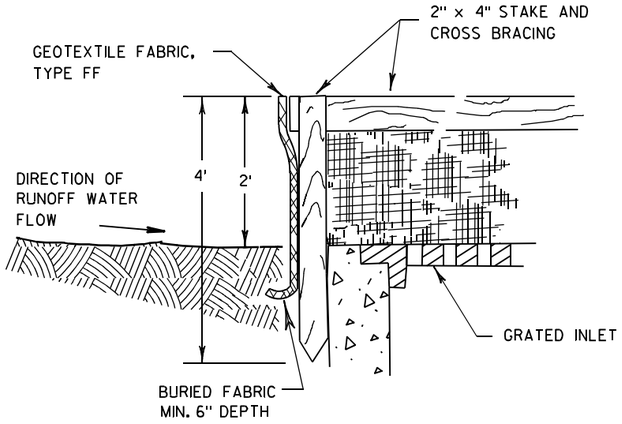
APPROVED
4-29-05 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

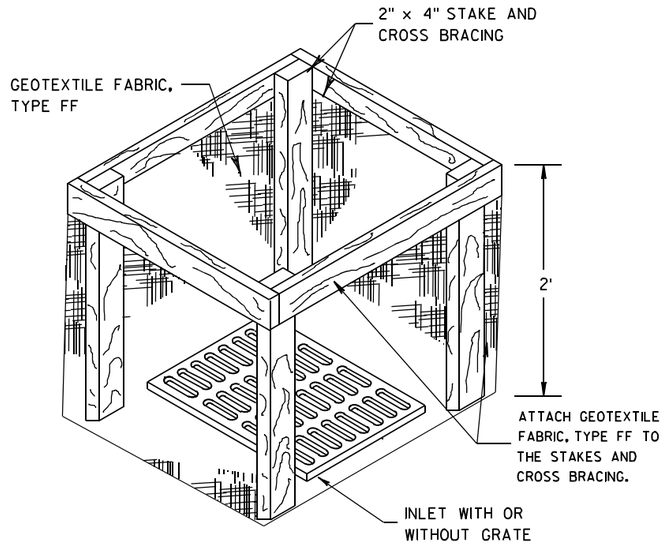
6

S.D.D. 8 E 9-6

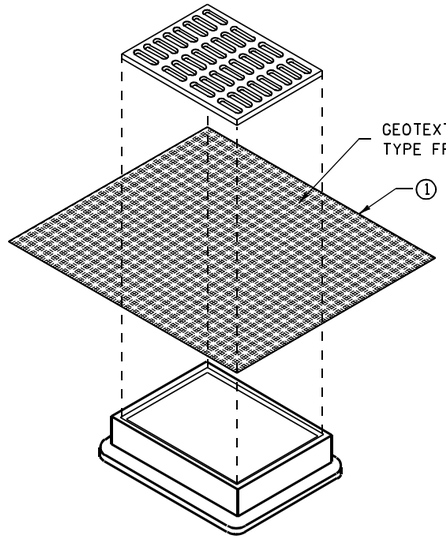
6

S.D.D. 8 E 9-6



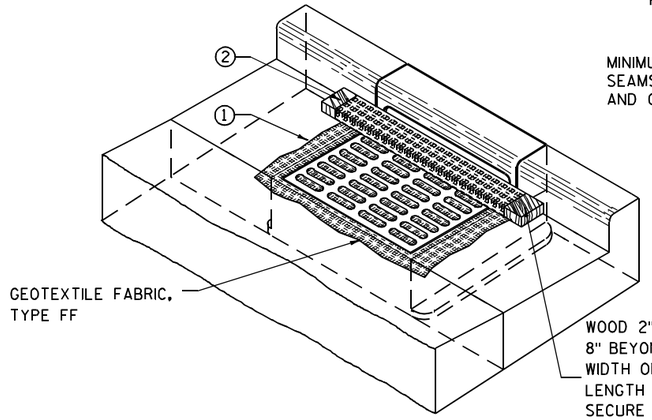


INLET PROTECTION, TYPE A

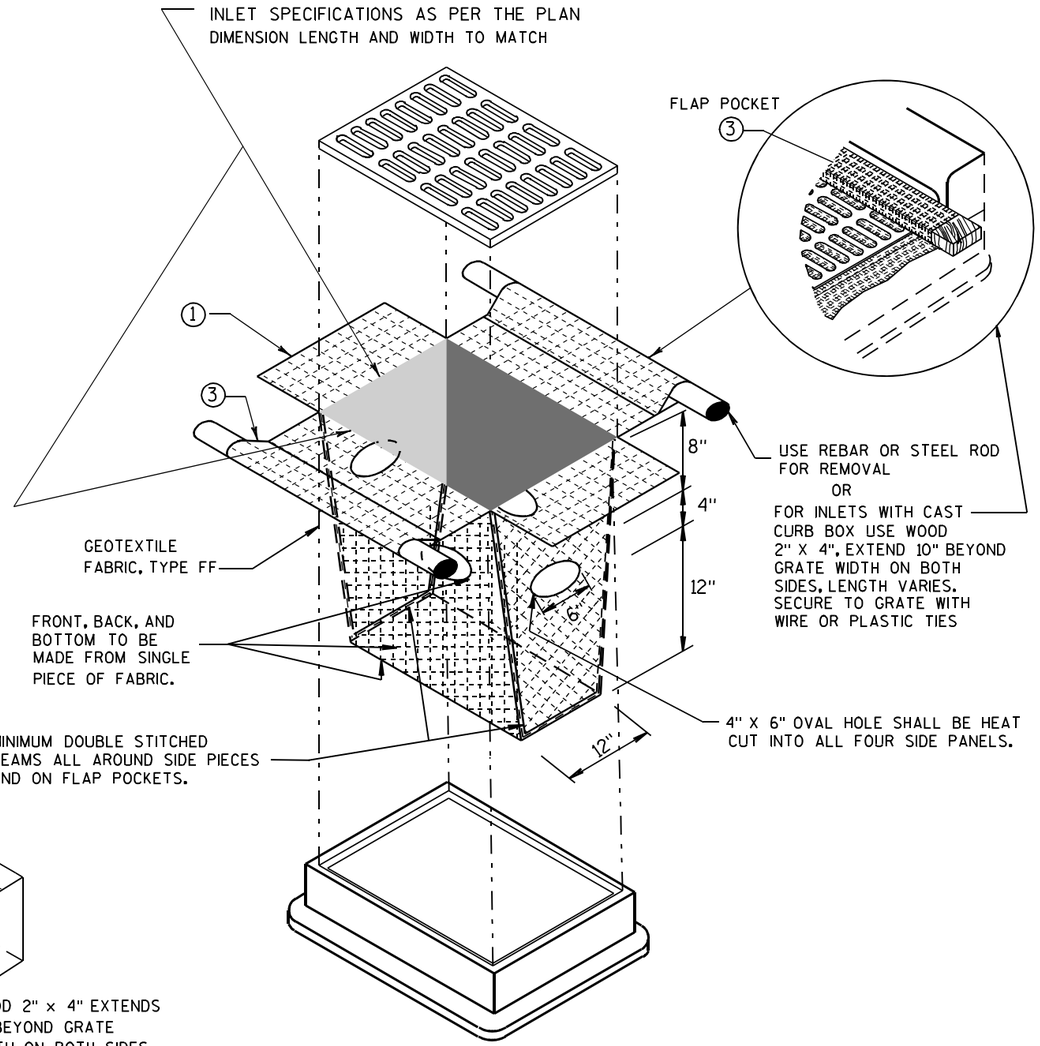


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)



INLET PROTECTION, TYPE C (WITH CURB BOX)



INLET PROTECTION, TYPE D

(CAN BE INSTALLED IN ANY INLET TYPE WITH
OR WITHOUT A CURB BOX AS PER NOTE ②)

GENERAL NOTES

INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.

MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.

WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

① FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.

② FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.

③ FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.

INSTALLATION NOTES

TYPE B & C

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

TYPE D

DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

INLET PROTECTION
TYPE A, B, C, AND D

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
10/16/02
DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6

S.D.D. 8 E 10-2

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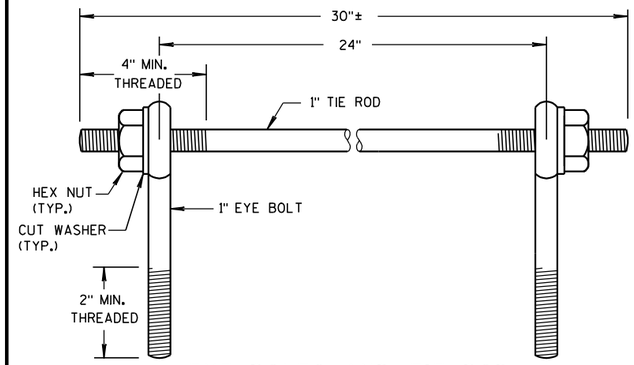
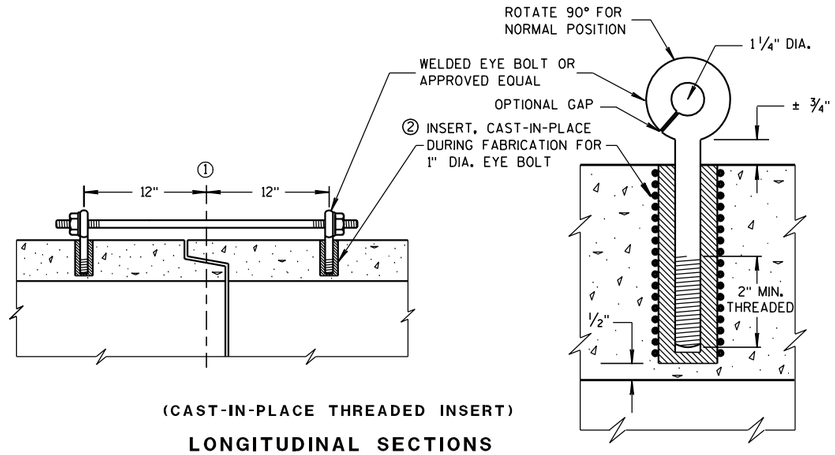
S.D.D. 8 E 10-2



EYE BOLTS AND TIE ROD



(CAST-IN-PLACE THREADED INSERT)

LONGITUDINAL SECTIONS

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 1)

GENERAL NOTES

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

CONCRETE CULVERT AND STORM SEWER PIPE SHALL BE TIED TOGETHER IN THE MANNER ILLUSTRATED BY THIS DETAIL AT LOCATIONS DESIGNATED IN THE STANDARD SPECIFICATIONS AND THE PLAN. THE CONTRACTOR MAY USE EITHER ALTERNATE 1, 2 OR 3 FOR DRAINAGE STRUCTURES. ONLY ALTERNATE 1 AND 3 MAY BE USED FOR CATTLE PASSES, UNLESS OTHERWISE STATED IN THE CONTRACT. THE MATERIALS, FABRICATION AND WORK NECESSARY TO TIE THE PIPE BY THIS DETAIL WILL BE CONSIDERED INCIDENTAL TO THE PIPE AND APRON ENDWALLS IF REQUIRED.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR JOINT TIES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

JOINT TIES TO BE HOT-DIP GALVANIZED PER ASTM A 153.

① ℄ OF TONGUE AND GROOVE OR BELL AND SPIGOT JOINTS.

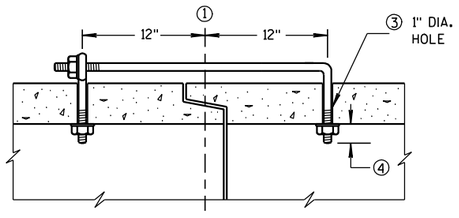
② THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE BOLTS.

③ HOLES SHALL BE CAST-IN-PLACE OR DRILLED 12 INCHES FROM ℄ OF TONGUE AND GROOVE.

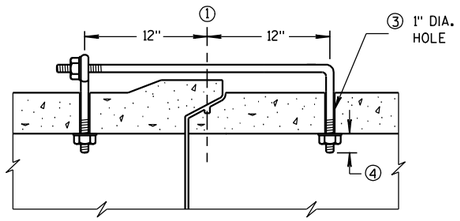
④ BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

⑤ OPENING TO BE ROD DIAMETER PLUS 1 INCH.

⑥ LENGTH ADEQUATE TO EXTEND TO WITHIN 1/2 INCH OF THE INNER SURFACE OF THE PIPE.



(TONGUE & GROOVE PIPE)

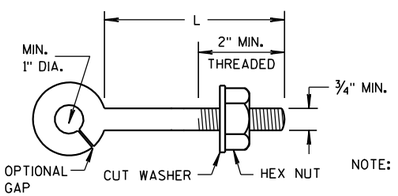


(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

EYE BOLT DIMENSION TABLE

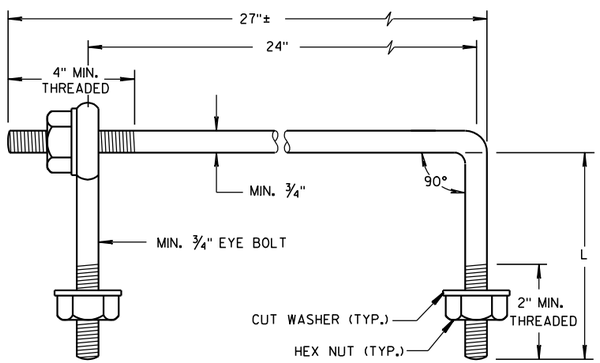
PIPE SIZE	L = LENGTH	
	TONGUE & GROOVE PIPE	MODIFIED BELL PIPE
18" TO 24"	4 1/2"	6 1/4"
30"	5"	7"
36"	5 1/2"	7"
42"	6"	
48"	6 1/2"	
60"	7 1/2"	
66"	8"	



NOTE:

EYE BOLT

NOTE: TWO EYE BOLTS MAY BE USED WITH A 30" LONG THREADED ROD IN LIEU OF THE 90° BENT TIE ROD.



EYE BOLT AND TIE ROD

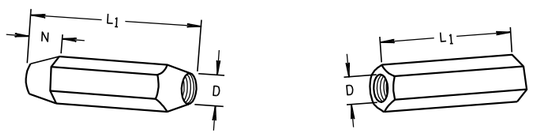
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 2)

ADJUSTABLE TIE ROD TABLE

PIPE DIAMETER	TIE ROD DIAMETER	D	L_1	N
12-60	5/8	5/8	5	1/2
66-84	3/4	3/4	5	1/2
90-108	1	1	7	1 1/16

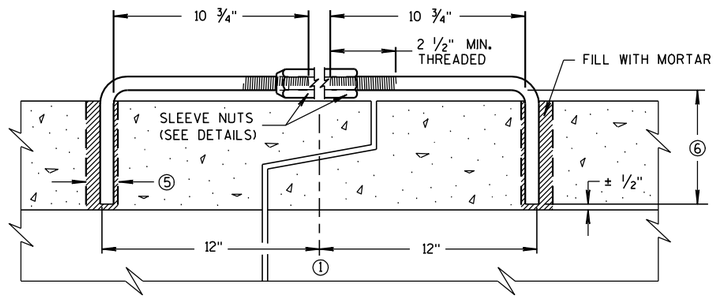
DIMENSIONS SHOWN ARE IN INCHES



TAPERED PLAIN

RIGHT AND LEFT THREADS

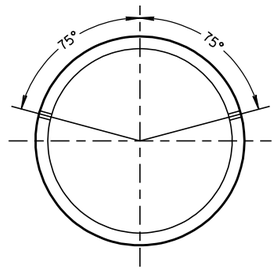
SLEEVE NUTS



LONGITUDINAL SECTION

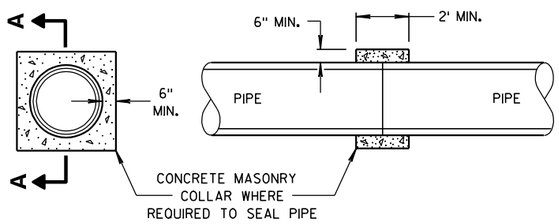
(JOINT TIES FOR 12" TO 108" DIA. CONCRETE PIPE)

ADJUSTABLE TIE ROD (ALTERNATE NO. 3)



PLACEMENT OF (2) CAST-IN-PLACE INSERTS OR HOLES DURING FABRICATION FOR PIPE SECTIONS REQUIRING TIE RODS

TRANSVERSE SECTION



SECTION A-A

CONCRETE COLLAR DETAIL

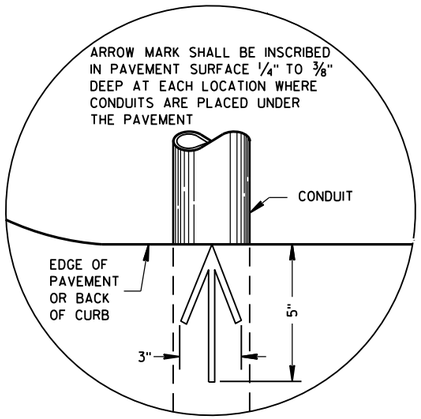
JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/5/2012 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
221
FHWA

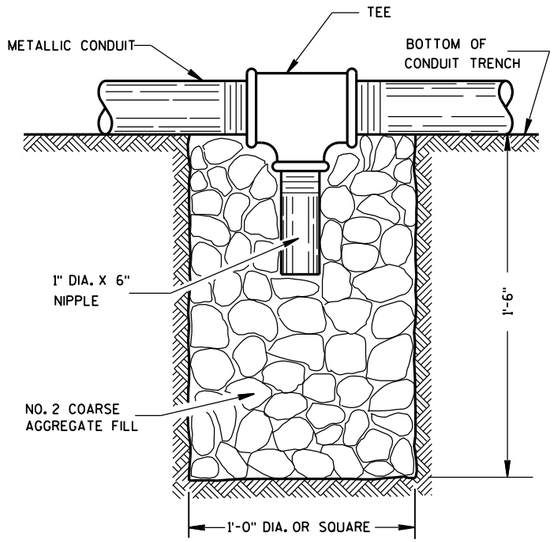
6

S.D.D. 8 F 4-7



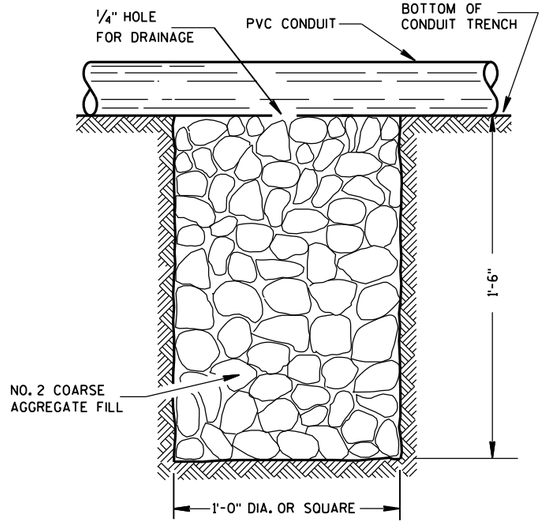
PLAN VIEW

ARROW MARK



NOTE: INSTALL AT LOCATIONS WHERE METALLIC CONDUITS CANNOT BE PITCHED TO DRAIN INTO A PULL BOX.

DRAIN SUMP FOR METALLIC CONDUIT



NOTE: INSTALL AT LOCATIONS WHERE PVC CONDUITS CANNOT BE PITCHED TO DRAIN INTO A PULL BOX.

DRAIN SUMP FOR PVC CONDUIT

GENERAL NOTES

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

METALLIC (STANDARD SPECIFICATION 652.2.2) OR NONMETALLIC (STANDARD SPECIFICATION 652.2.3) CONDUIT SHALL BE FURNISHED AND PLACED AS SHOWN.

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

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

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

THE TRENCH SHALL NOT BE BACKFILLED PRIOR TO INSPECTION OF THE CONDUIT.

ALL METALLIC CONDUIT RACEWAY ENDS SHALL BE REAMED AND THREADED.

ALL METALLIC CONDUIT IN WHICH WIRE OR CABLE IS TO BE INSTALLED SHALL BE BUSHED WITH APPROVED THREADED BUSHINGS BEFORE INSTALLATION OF THE WIRE OR CABLE.

ALL METALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT TO BE INSTALLED SHALL BE CAPPED WITH THREADED PROTECTIVE CAPS, AS APPROVED BY THE ENGINEER.

ALL NONMETALLIC CONDUIT SHALL BE CAPPED OR PLUGGED IMMEDIATELY AFTER INSTALLATION AND SHALL REMAIN CAPPED OR PLUGGED UNTIL WIRE/CABLES ARE INSTALLED.

NONMETALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BENDING OF PVC ELECTRICAL CONDUIT SHALL BE ACCOMPLISHED BY USING A BLANKET OR EMERSION TYPE TANK DESIGNED FOR THE PURPOSE OF BENDING PVC ELECTRICAL CONDUIT.

ALL CUT ENDS SHALL BE TRIMMED INSIDE AND OUTSIDE TO REMOVE ALL ROUGH EDGES ON NONMETALLIC CONDUIT. (SEE NEC 347.5)

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

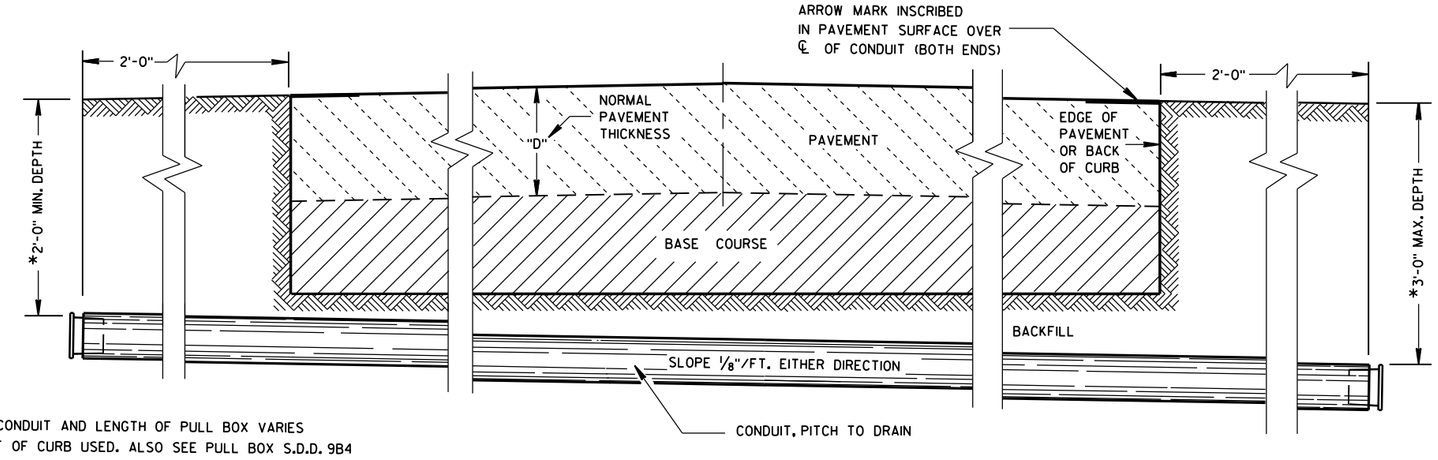
PRIOR TO CONDUIT ACCEPTANCE, CONDUIT CAPS OR PLUGS SHALL BE REMOVED, AND THE CAPS, PLUGS AND CONDUIT ENDS SHALL BE THOROUGHLY CLEANED AND THEN THE CAPS OR PLUGS REINSTALLED TO ENSURE THAT THE CAPS OR PLUGS CAN BE EASILY REMOVED IN THE FUTURE.

ALL CONDUIT BEING FURNISHED AND INSTALLED SHALL HAVE THE U.L. LABEL FIRMLY ATTACHED.

CONDUIT RUNS SHALL BE THE SAME SIZE OF CONDUIT FROM ONE END TO THE OTHER (FROM PULL BOX TO PULL BOX-OR-JUNCTION BOX TO JUNCTION BOX-OR-BASE TO BASE, ETC.).

POLY ROPE OR A PULL WIRE SHALL BE INSTALLED AS STATED IN THE STANDARD SPECIFICATION, ITEM 652.3.1.1.

ALL CONDUIT RUNS SHALL BE STRAIGHT (WITHOUT BENDS) FROM PULL BOX TO PULL BOX, PULL BOX TO BASE AND BASE TO BASE AS SHOWN ON THE PLANS.



*DEPTH OF CONDUIT AND LENGTH OF PULL BOX VARIES WITH HEIGHT OF CURB USED. ALSO SEE PULL BOX S.D.D. 9B4

SIDE ELEVATION

DETAIL FOR CONDUIT UNDER PAVED HIGHWAYS

CONDUIT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

Sept. 2014 — DATE

/S/ Ahmet Demirbilek — STATE ELECTRICAL

FHWA

6

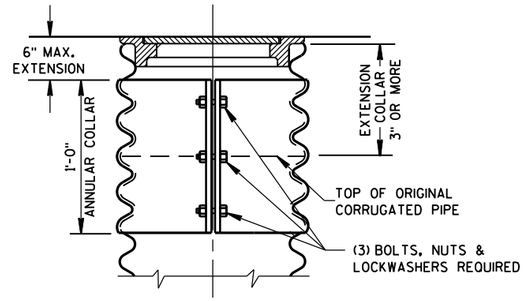
S.D.D. 9 B 2-8

TABLE OF NOMINAL DIMENSIONS AND WEIGHTS

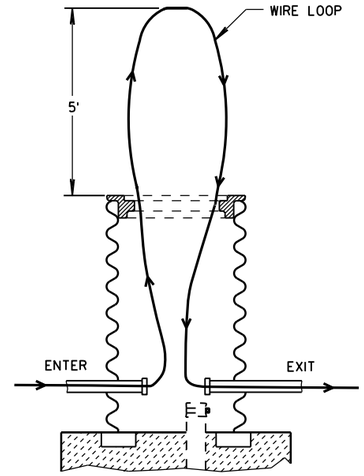
DIMENSION IN INCHES		CORRUGATED STEEL PIPE								
PIPE DIAMETER (INSIDE)	A	12	12	12	18	18	18	24	24	24
PIPE LENGTH **	B	24	30	36	24	30	36	36	42	48
WALL THICKNESS	C	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064
COVER	D	10 1/4	10 1/4	10 1/4	16 1/4	16 1/4	16 1/4	22 1/4	22 1/4	22 1/4
FRAME	E	14 1/2	14 1/2	14 1/2	20 1/2	20 1/2	20 1/2	26 1/2	26 1/2	26 1/2
FRAME	F	8 1/2	8 1/2	8 1/2	14 1/2	14 1/2	14 1/2	20 1/2	20 1/2	20 1/2
FRAME	G	11 1/2	11 1/2	11 1/2	17 1/2	17 1/2	17 1/2	23 1/2	23 1/2	23 1/2
WEIGHT IN POUNDS *										
FRAME AND COVER		60	60	60	110	110	110	155	155	155

* THE ACTUAL WEIGHT OF THE MANHOLE FRAME AND COVER MAY VARY WITHIN 5 PERCENT PLUS OR MINUS OF THE WEIGHTS SHOWN.

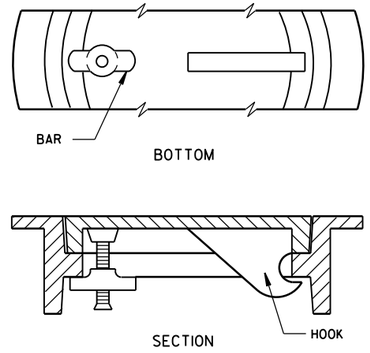
** NORMALLY USED LENGTHS. THE PROJECT ENGINEER SHALL DETERMINE IF PIPE LENGTHS, OTHER THAN THOSE SPECIFIED, SHALL BE USED, TO A MAXIMUM OF 48" (CONTINUOUS LENGTH, NON-SPLICED). THE ADDITIONAL LENGTH SHALL BE INCIDENTAL TO THE PULL BOX BID PRICE.



CORRUGATED PIPE EXTENDER

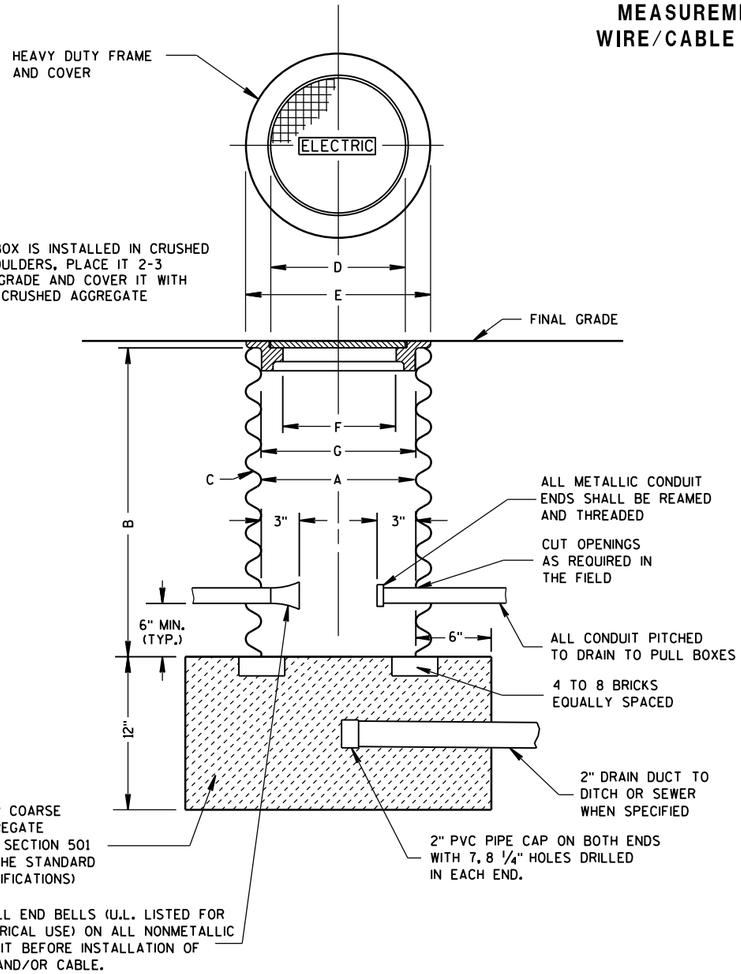


MEASUREMENT DETAIL FOR WIRE/CABLE IN THE PULL BOX



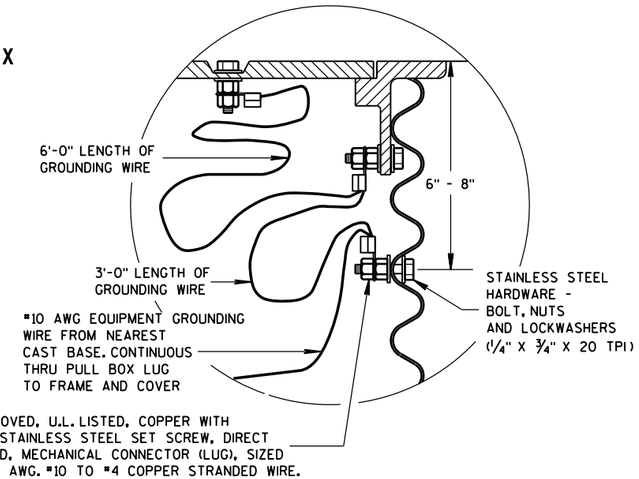
ALTERNATE COVER (LOCKING)

TIGHTENING BAR TYPE



WHEN A PULL BOX IS INSTALLED IN CRUSHED AGGREGATE SHOULDERS, PLACE IT 2-3 INCHES BELOW GRADE AND COVER IT WITH 2-3 INCHES OF CRUSHED AGGREGATE

PULL BOX



EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES

GENERAL NOTES

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

ALL FRAMES AND COVERS SHALL BE HEAVY DUTY TYPE, SUITABLE FOR VEHICULAR TRAFFIC LOADS.

PULL BOXES LOCATED IN THE ROADWAYS SHALL HAVE LOCKING COVERS.

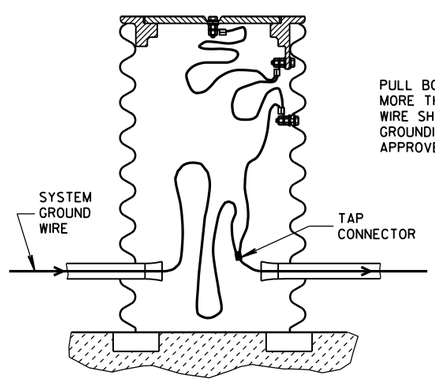
ENTRANCE HOLES INTO PULL BOXES SHALL BE CUT WITH A CIRCULAR HOLE SAW OR HYDRAULIC CONDUIT PUNCH. HOLE SIZE SHALL BE THE OUTSIDE DIAMETER OF THE CONDUIT THAT IS TO FIT IN THE OPENING PLUS NO MORE THAN 1/4".

THE CONTRACTOR SHALL NOT INSTALL WIRE IN ANY PULL BOX UNTIL ITS INSTALLATION HAS BEEN INSPECTED AND ACCEPTED BY THE ENGINEER.

GROUNDING LUGS (MECHANICAL CONNECTORS) SHALL BE U.L. LISTED AND APPROVED FOR USE WITH COPPER WIRE.

ALL METALLIC CONDUIT IN WHICH WIRE AND/OR CABLE IS TO BE INSTALLED, SHALL BE BUSHED BEFORE INSTALLATION OF THE WIRE AND/OR CABLE.

WHEN PULL BOXES ARE INSTALLED FOR FUTURE USE, DO NOT INSTALL THE EQUIPMENT GROUNDING LUG. THE EQUIPMENT GROUNDING LUG, THE EQUIPMENT GROUNDING ELECTRODE AND THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE REQUIRED AND INSTALLED UNDER A FUTURE WIRING CONTRACT.



PULL BOX TO NEAREST BASE DISTANCE MORE THAN 20 FEET. PULL BOX GROUND WIRE SHALL CONNECT AT SYSTEM GROUNDING WIRE. USE DEPARTMENT APPROVED TAP CONNECTOR.

EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES

PULL BOX

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL
FHWA

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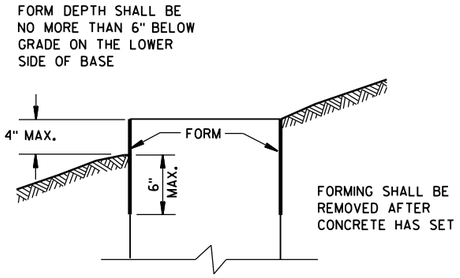
S.D.D. 9 B 4-11



FORMING DETAIL

QUANTITY REQUIREMENTS	CONCRETE BASE TYPE		
	1	2	5 & 6
APPROX. CUBIC YARDS OF CONCRETE	0.40	0.57	0.40
LBS. OF HOOP BAR STEEL	NONE	23	16
LBS. OF VERTICAL BAR STEEL	NONE	60	18

GENERAL NOTES

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

BASES SHALL BE EXCAVATED BY USE OF A CIRCULAR AUGER.

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

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

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

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

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

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

GENERAL NOTES (CONTINUED)

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

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

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

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

A NO. 4 AWG, STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD) FOR TYPE 1, TYPE 2, TYPE 5, AND TYPE 6 BASES.

THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE FURNISHED AND INSTALLED TO ENTER THE BASE OF THE TYPE 2 AND TYPE 5 BASES THROUGH A 1 INCH CONDUIT INSTALLED FOR GROUNDING PURPOSES, LEAVING A 4 FOOT COIL OF WIRE ABOVE THE CONCRETE BASE. THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE NEATLY COILED AND THE COILS TIED TOGETHER.

ANCHOR RODS SHALL BE THREADED 12" IN LENGTH ON EACH END OF THE ROD. ANCHOR RODS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 654.2.1 OF THE STANDARD SPECIFICATIONS.

WASHERS AND LOCK WASHERS ARE REQUIRED ON ALL ANCHOR RODS.

WHEN ANCHOR RODS USING THE ALTERNATE "L" BEND ARE FURNISHED, THE 4" "L" BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH. THE "L" BEND END SHALL NOT BE THREADED.

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

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

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

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

(2) (4) 1" DIA. X 3'-6" ANCHOR RODS.

(3) (4) 1" DIA. X 5'-0" ANCHOR RODS.

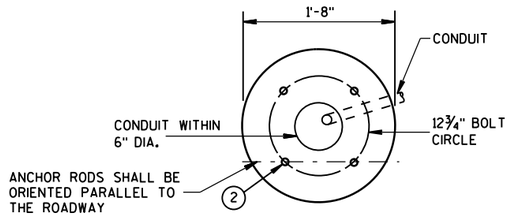
(4) (6) NO. 6 X 6'-8" BAR STEEL REINFORCEMENT.

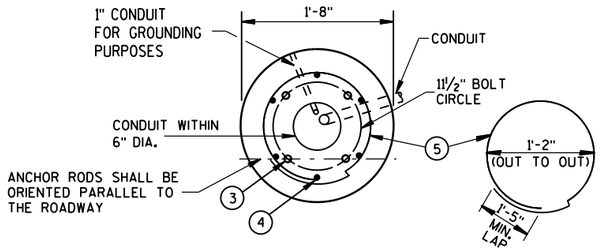
(5) (7) NO. 4 X 5'-1" BAR STEEL REINFORCEMENT @ 1'-0" C-C.

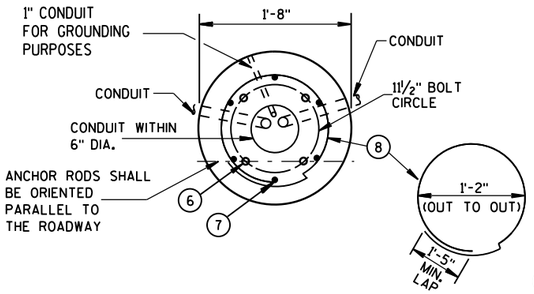
(6) (4) 1" DIA. X 3'-6" ANCHOR RODS.

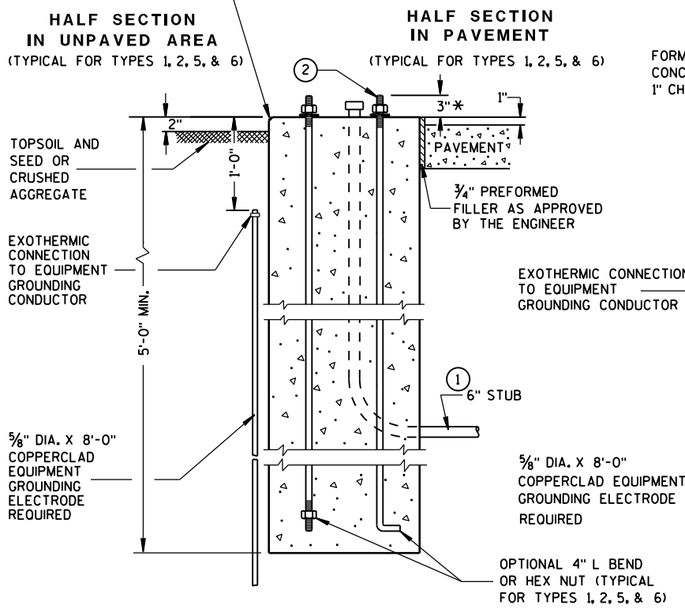
(7) (6) NO.4 X 4'-8" BAR STEEL REINFORCEMENT.

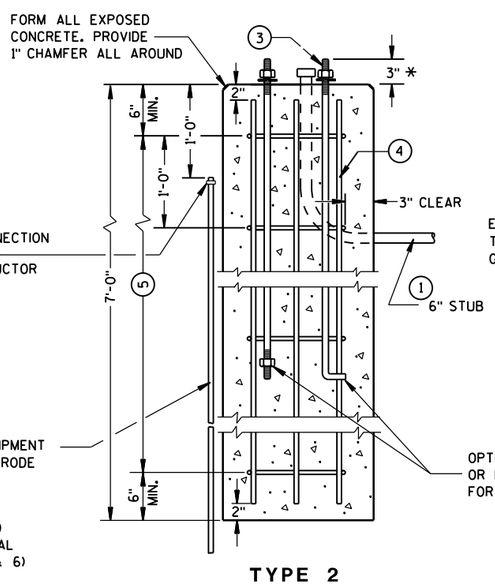
(8) (5) NO. 4 X 5'-1" BAR STEEL REINFORCEMENT @ 1'-0" C-C.



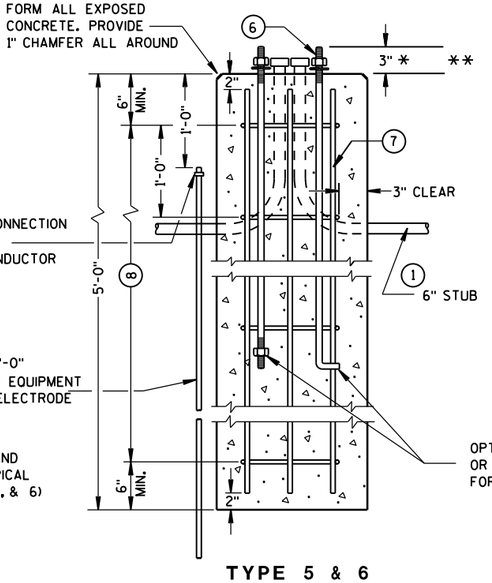








TYPE 2



TYPE 5 & 6

CONCRETE BASES

* ANY ANCHOR ROD PROJECTION SHORTER THAN 2¾" OR LONGER THAN 3¼" SHALL REQUIRE THE BASE TO BE REMOVED AND REPLACED AT THE CONTRACTORS EXPENSE.

** FOR NONBREAKAWAY INSTALLATIONS, 4½" ± ANCHOR ROD PROJECTION WITH THE USE OF LEVELING NUTS. RODENT SCREEN REQUIRED.

CONCRETE BASES, TYPES 1, 2, 5, & 6

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
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GENERAL NOTES

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

FOUR (4) BOLTS SHALL BE FURNISHED WITH EACH TRANSFORMER BASE. BOLTS SHALL BE 1" DIAMETER, 4" IN LENGTH, WITH WASHERS, LOCK WASHERS AND NUTS. BOLTS, NUTS AND WASHERS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 641.2.2 OF THE STANDARD SPECIFICATIONS.

LEVELING SHIMS, IF NEEDED, SHALL BE DESIGNED FOR THE PURPOSE AND USED UNDER CAST BASES WHEN PLUMBING POLES OR STANDARDS DURING INSTALLATION. THE USE OF WASHERS IN LIEU OF PROPER LEVELING SHIMS IS NOT ACCEPTABLE.

SHIM LENGTH SHALL BE LONG ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.

DOUBLE NUTTING IS NOT ACCEPTABLE FOR LEVELING OR MOUNTING PURPOSES.

A NEMA APPROVED, U.L. LISTED, COPPER WITH BRASS OR STAINLESS STEEL SET SCREW, DIRECT BURY RATED, MECHANICAL CONNECTOR (LUG), SIZED TO ACCEPT AWG. #10 TO #4 COPPER STRANDED WIRE SHALL BE FURNISHED AND INSTALLED IN THE PEDESTAL AND TRANSFORMER BASES.

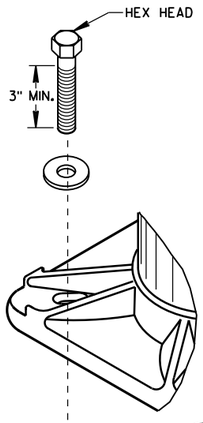
THE MECHANICAL CONNECTOR SHALL BE INSTALLED USING A 1/4" - 20 (TPI) STAINLESS STEEL HEX HEAD BOLT OF SUFFICIENT LENGTH TO FIRMLY ATTACH THE LUG TO THE BASE.

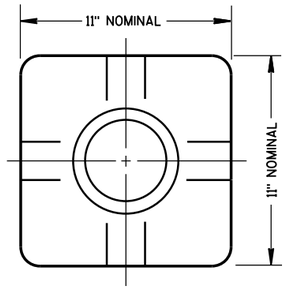
SHOULD THE MANNER OF ATTACHMENT OF THE LUG REQUIRE WASHERS, HEX NUTS, LOCK WASHER - THEY SHALL BE STAINLESS STEEL AS IS THE BOLT. THE MANNER OF ATTACHMENT SHALL NOT BLOCK ACCESSIBILITY TO WIRE PLACEMENT IN THE CONNECTOR.

PEDESTAL BASE COLLAR THREADING SHALL BE TAPERED AND IN ACCORDANCE WITH NATIONAL PIPE THREADING DIMENSIONS.

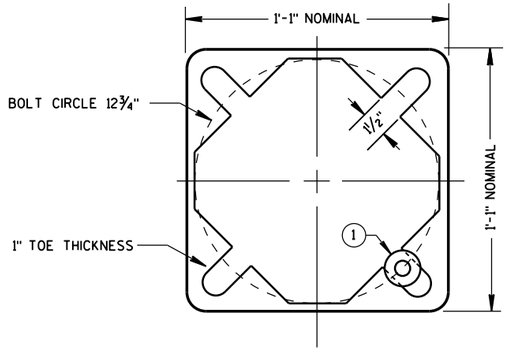
BASE COLLAR THREADING SHALL EXTEND INTO THE BASE COLLAR WITH SUFFICIENT DEPTH TO ACCEPT THE INSTALLATION OF TRAFFIC SIGNAL STANDARDS TO A DEPTH OF 1 1/2", THEN TIGHTENING TO A POINT OF BEING IMMOVABLE.

THE ACCESS DOOR SHALL BE OF THE SAME MATERIAL AS THE BASE.

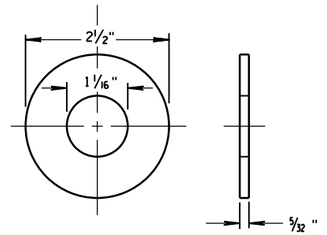




TOP VIEW
(PEDESTAL BASE)

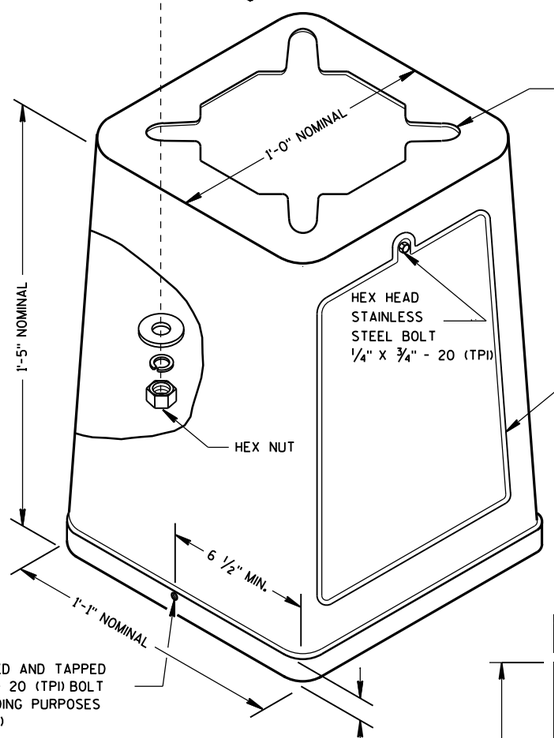


BOTTOM VIEW
(PEDESTAL BASE)

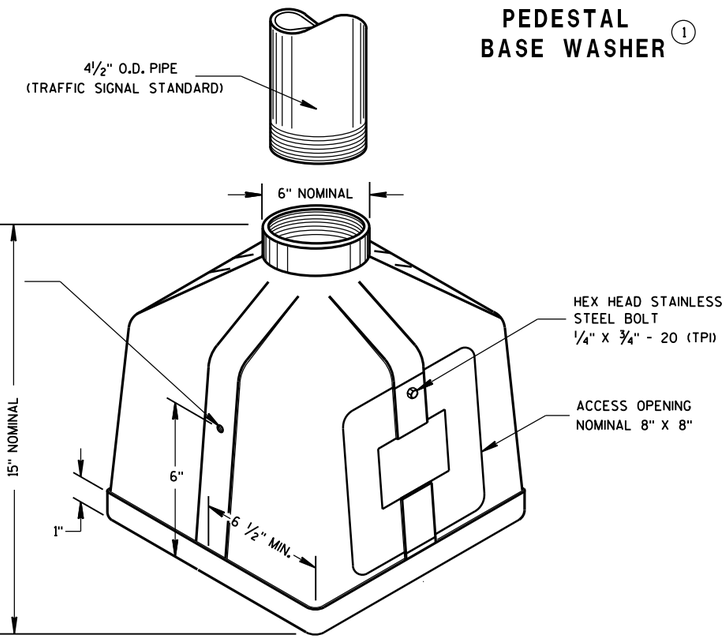


ZINC COATED STEEL WASHER
TO BE PROVIDED BY THE CONTRACTOR

PEDESTAL BASE WASHER (1)

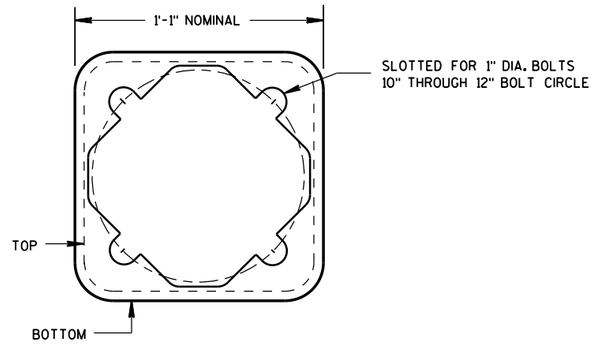


ISOMETRIC VIEW

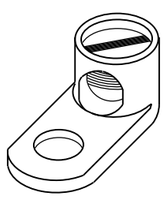


ISOMETRIC VIEW

PEDESTAL BASE



BOTTOM VIEW
(TRANSFORMER BASE)

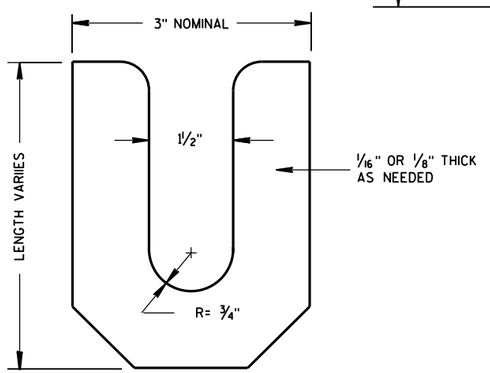


TYPICAL MECHANICAL CONNECTOR LUG

TO BE FURNISHED WITH EACH BASE

TRANSFORMER BASE

INTENDED FOR USE WITH TYPE 2, 3, 4, 5 & 6 POLES



LEVELING SHIM

TRANSFORMER/PEDESTAL BASES

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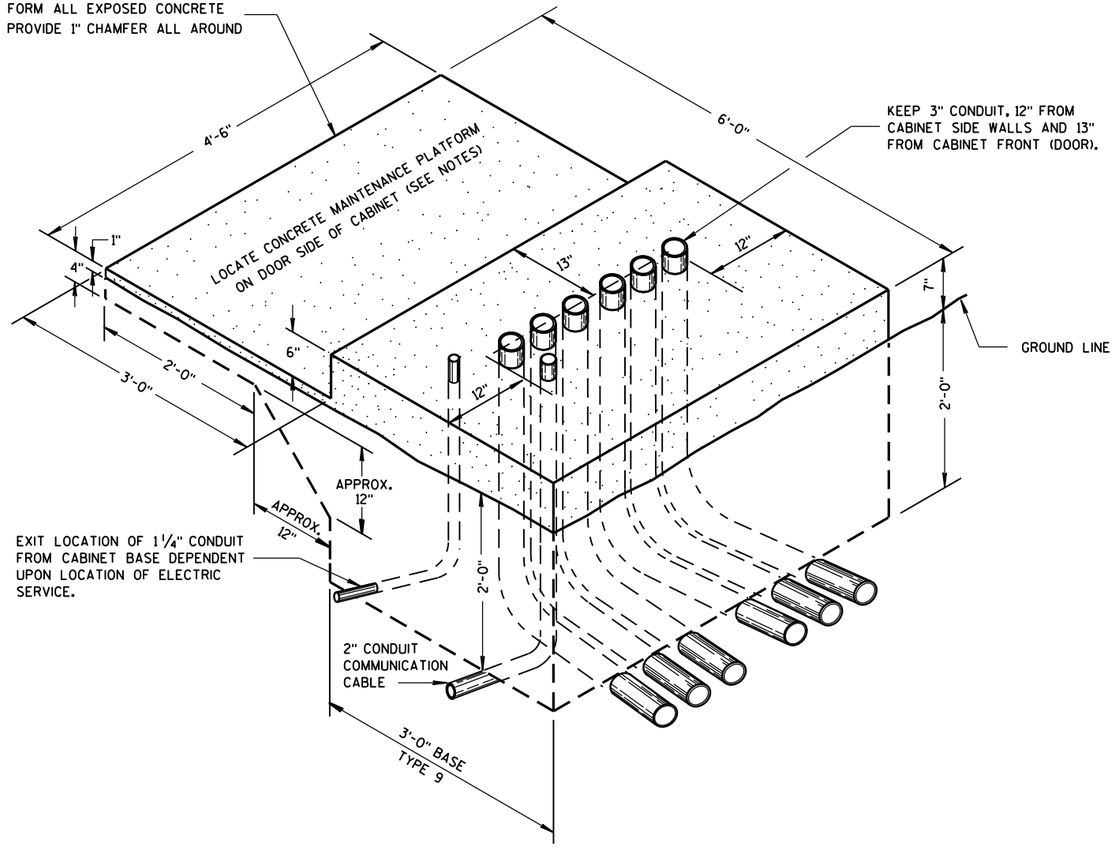
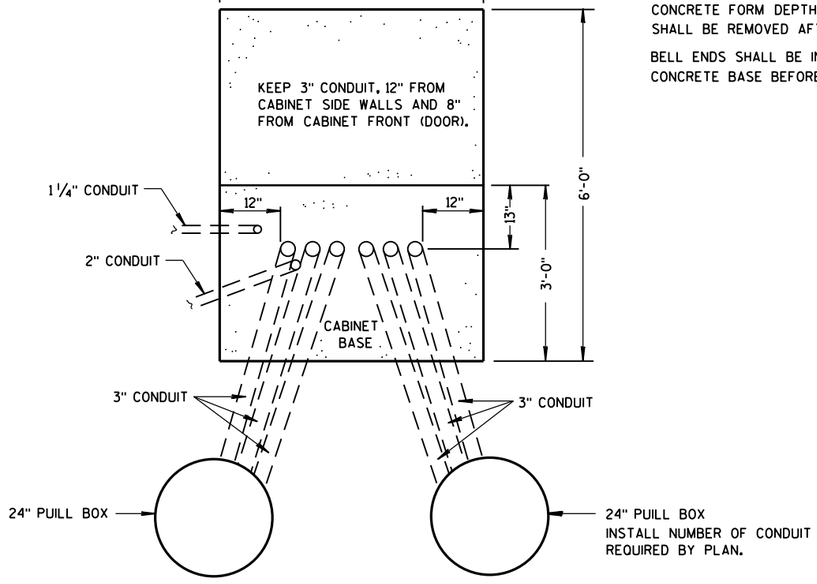


ISOMETRIC VIEW

TYPE 9, SPECIAL

(C.Y. CONCRETE = APPROX. 1.56)



PLAN VIEW

CONCRETE CONTROL CABINET BASE, TYPE 9, SPECIAL

GENERAL NOTES

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

INSTALL FOUR ½ INCH MINIMUM DIAMETER X 4 INCH MINIMUM LENGTH STAINLESS STEEL APPROVED CONCRETE MASONRY ANCHORS WITH A PULLOUT STRENGTH OF 9,000 LBS. TO ANCHOR THE CABINET TO TYPE 6, 7, 8, AND 9 BASES. THE ANCHOR STUDS SHALL BE LOCATED AS DIRECTED BY THE ENGINEER TO PROPERLY ANCHOR THE CONTROL CABINET TO THE BASE.

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

CONDUIT HEIGHT ABOVE THE CONCRETE BASE SHALL BE 1 INCH.

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

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

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

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

MAINTENANCE PLATFORM SHALL BE FLOAT OR BROOM FINISHED AND BE LEVEL.

MAINTENANCE PLATFORMS ARE NOT REQUIRED WHEN THE SURROUNDING AREA IS PAVED.

MINIMUM BENDING RADIUS OF CONDUIT = 6 X THE DIAMETER.

ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

CAP ALL BELOW GRADE METALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

PLUG ALL BELOW GRADE NONMETALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

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

CONDUIT EXITING THE CONCRETE BASE (SIX THREE INCH) SHALL TERMINATE IN PULL BOXES AS SHOWN ON THE PLANS.

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

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

CONCRETE CONTROL CABINET BASE, TYPE 9, SPECIAL

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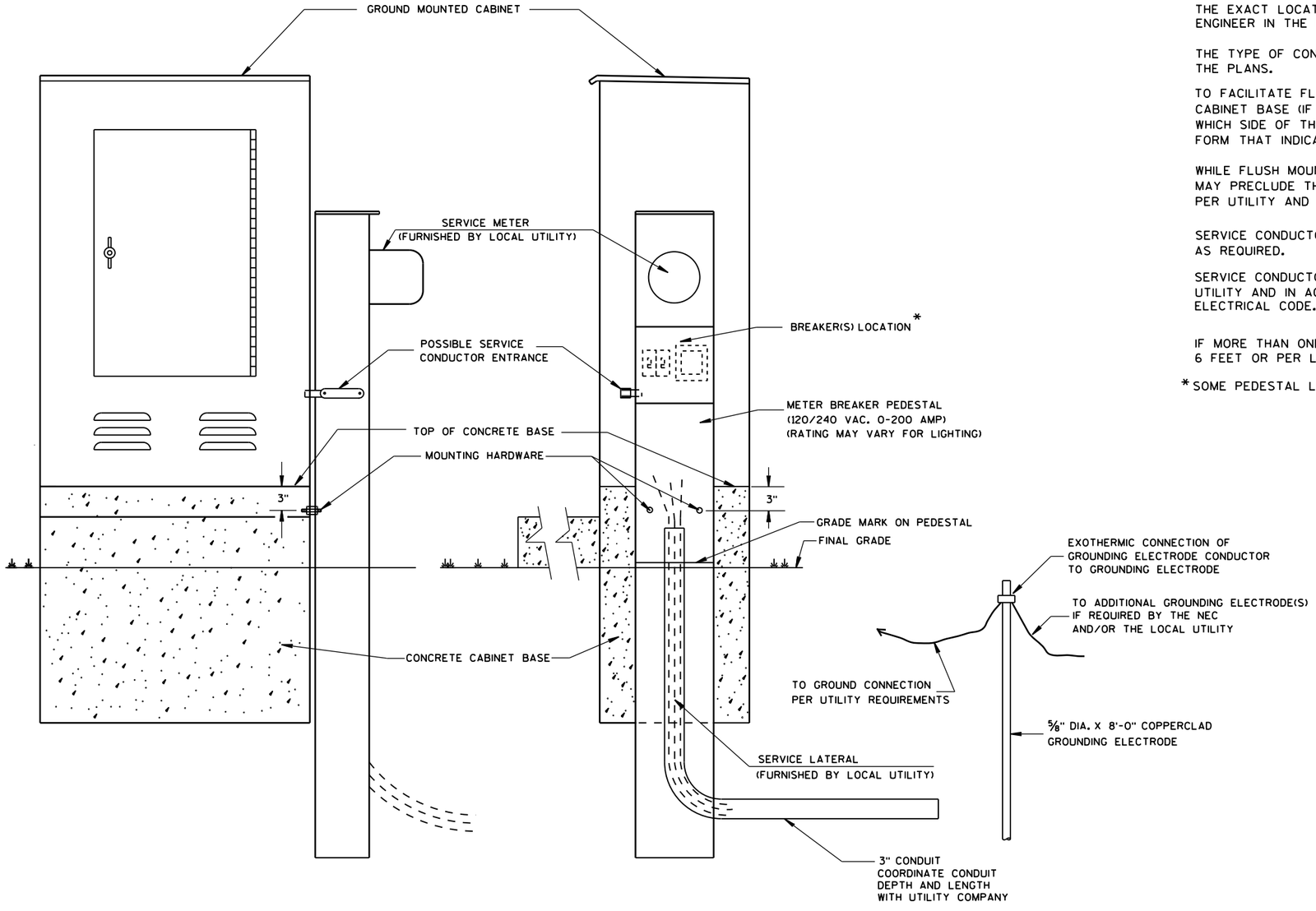

TYPICAL CABINET SERVICE INSTALLATION

GENERAL NOTES

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

THE EXACT LOCATION OF THE METER BREAKER PEDESTAL SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

THE TYPE OF CONCRETE CABINET BASE TO BE INSTALLED SHALL BE AS CALLED FOR IN THE PLANS.

TO FACILITATE FLUSH MOUNTING OF THE METER BREAKER PEDESTAL AGAINST THE SIDE OF THE CABINET BASE (IF FLUSH MOUNTING POSSIBLE. CONFER WITH THE LOCAL UTILITY TO DETERMINE WHICH SIDE OF THE CONCRETE BASE THE ELECTRICAL SERVICE LATERAL WILL APPROACH. THEN FORM THAT INDICATED SIDE FOR FULL SIDE DEPTH.

WHILE FLUSH MOUNTING IS THE MOST DESIRABLE MOUNTING CONFIGURATION UTILITY REQUIREMENTS MAY PRECLUDE THIS OPTION. CONTRACTOR MUST PROVIDE UTILITY APPROVED PEDESTAL AND INSTALL PER UTILITY AND MANUFACTURERS REQUIREMENTS.

SERVICE CONDUCTOR ENTRANCES SHALL BE RIGID METALLIC CONDUIT, NIPPLES AND/OR CONDULETS AS REQUIRED.

SERVICE CONDUCTOR ENTRANCES SHALL BE SIZED AND LOCATED AS REQUIRED BY THE LOCAL UTILITY AND IN ACCORDANCE WITH APPROPRIATE ARTICLES OF THE LATEST ACCEPTED NATIONAL ELECTRICAL CODE.

IF MORE THAN ONE GROUNDING ELECTRODE IS REQUIRED, THE DISTANCE APART SHALL BE 6 FEET OR PER LOCAL UTILITY REGULATIONS.

* SOME PEDESTAL LIGHTING PLANS SHOW MAIN LUGS ONLY.

CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)

STATE OF WISCONSIN
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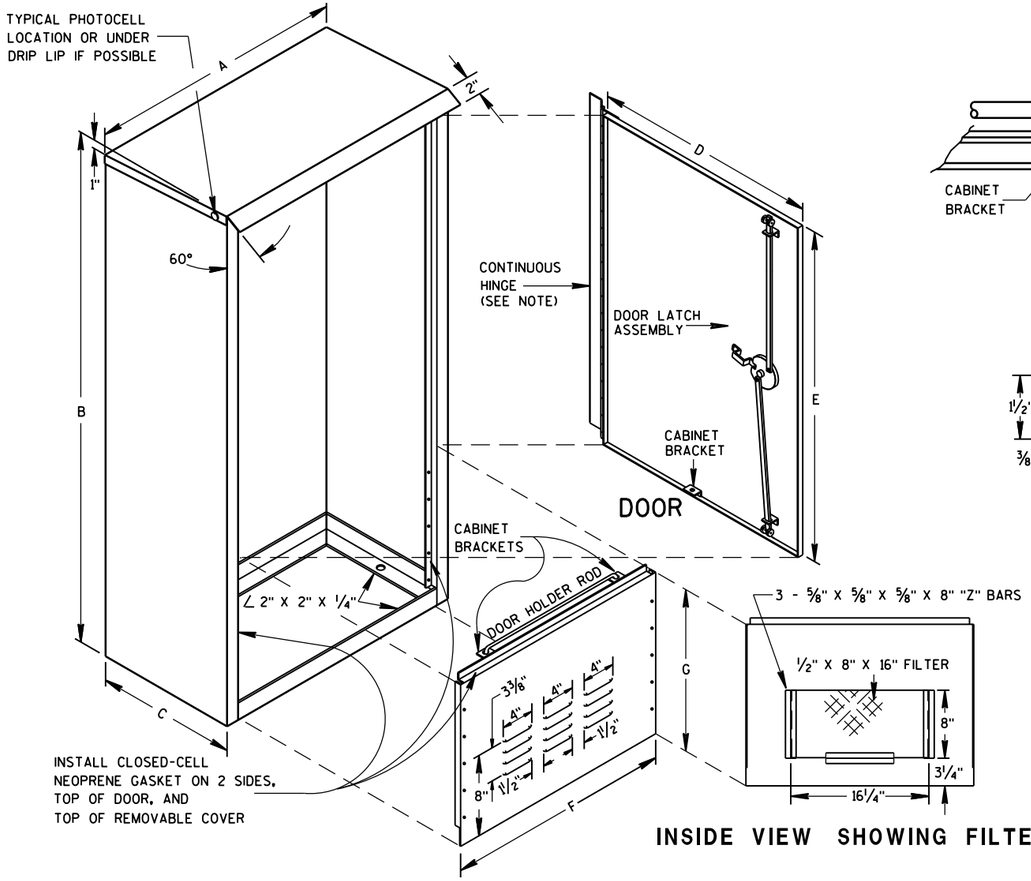
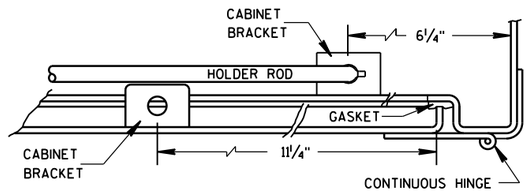
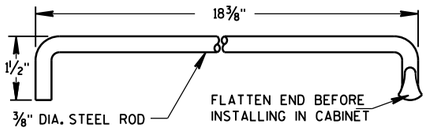


REMOVABLE COVER

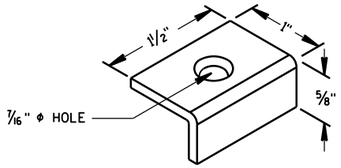
INSIDE VIEW SHOWING FILTER



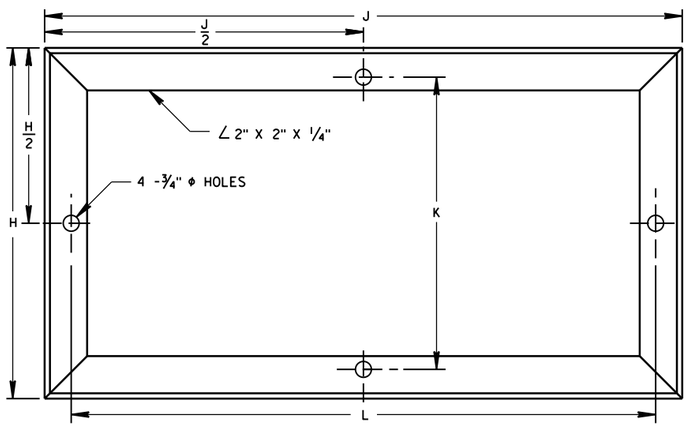
HINGE & DOOR HOLDER



HOLDER ROD



CABINET BRACKET



MOUNTING BASE

TABLE OF DIMENSIONS (INCHES)

MARK	CABINET TYPE		
	3060	3860	3866
A	30	38	38
B	60	60	66
C	16 1/2	16 1/2	24
D	26 1/2	34 3/4	33 3/4
E	38 3/4	38 3/4	38 3/4
F	26 1/2	34 3/4	33 3/4
G	19	19	25
H	16 1/2	16 1/2	24
H/2	8 1/4	8 1/4	12
J	30	38	38
J/2	15	19	19
K	13 3/4	13 3/4	21 1/4
L	27 1/2	35 1/2	35 1/2

GENERAL NOTES

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

PRIME WITH PHOSPHATE TREATMENT AND PRIMER.

FINISH EXTERIOR SURFACES WITH RUSTOLEUM #906 SILVER GRAY OR APPROVED EQUAL.

FINISH INTERIOR WITH RUSTOLEUM #2766 HIGH GLOSS WHITE ENAMEL OR APPROVED EQUAL.

ALL SHEET METAL PARTS SHALL BE .125 INCH THICK ALUMINUM.

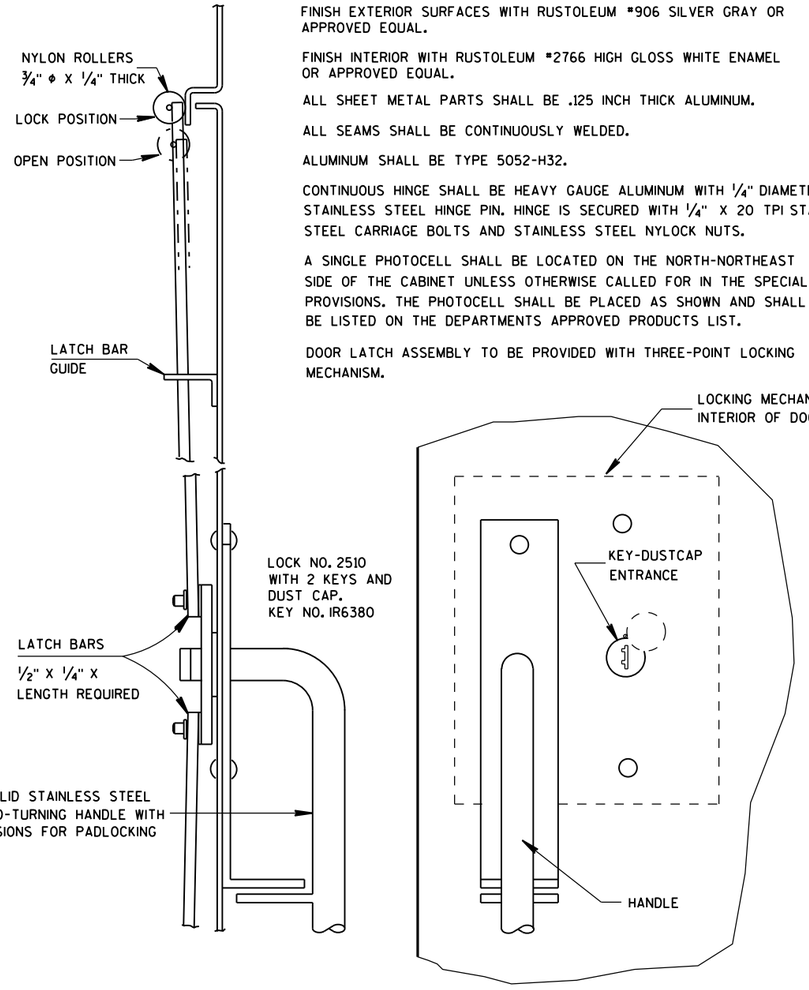
ALL SEAMS SHALL BE CONTINUOUSLY WELDED.

ALUMINUM SHALL BE TYPE 5052-H32.

CONTINUOUS HINGE SHALL BE HEAVY GAUGE ALUMINUM WITH 1/4" DIAMETER STAINLESS STEEL HINGE PIN. HINGE IS SECURED WITH 1/4" X 20 TPI STAINLESS STEEL CARRIAGE BOLTS AND STAINLESS STEEL NYLOCK NUTS.

A SINGLE PHOTOCELL SHALL BE LOCATED ON THE NORTH-NORTHEAST SIDE OF THE CABINET UNLESS OTHERWISE CALLED FOR IN THE SPECIAL PROVISIONS. THE PHOTOCELL SHALL BE PLACED AS SHOWN AND SHALL BE LISTED ON THE DEPARTMENTS APPROVED PRODUCTS LIST.

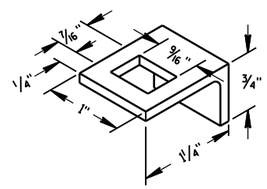
DOOR LATCH ASSEMBLY TO BE PROVIDED WITH THREE-POINT LOCKING MECHANISM.



SIDE VIEW

FRONT VIEW

LATCH ASSEMBLY



LATCH BAR GUIDE

SIGNAL CONTROL CABINET

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL

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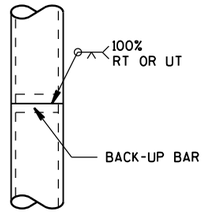
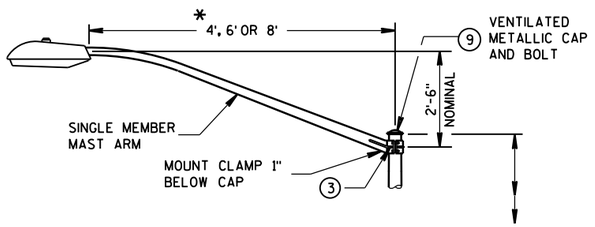
FOR MANUFACTURERS USE ONLY

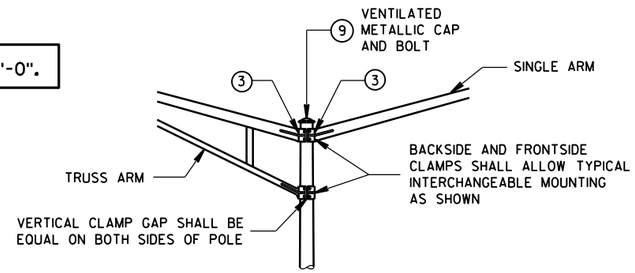
WELD TO BE 100% R.T. OR U.T. TESTED AS PER THE REQUIREMENTS OF AWS D 1.5-88. RECORDS OF COMPLIANCE OF SUCH TESTING SHALL BE FURNISHED TO THE OFFICE OF DESIGN/BRIDGE FOR VERIFICATION AND APPROVAL.



POLE SPLICE DETAIL

* RISE FOR 4' ARM SHALL BE 2'-0".

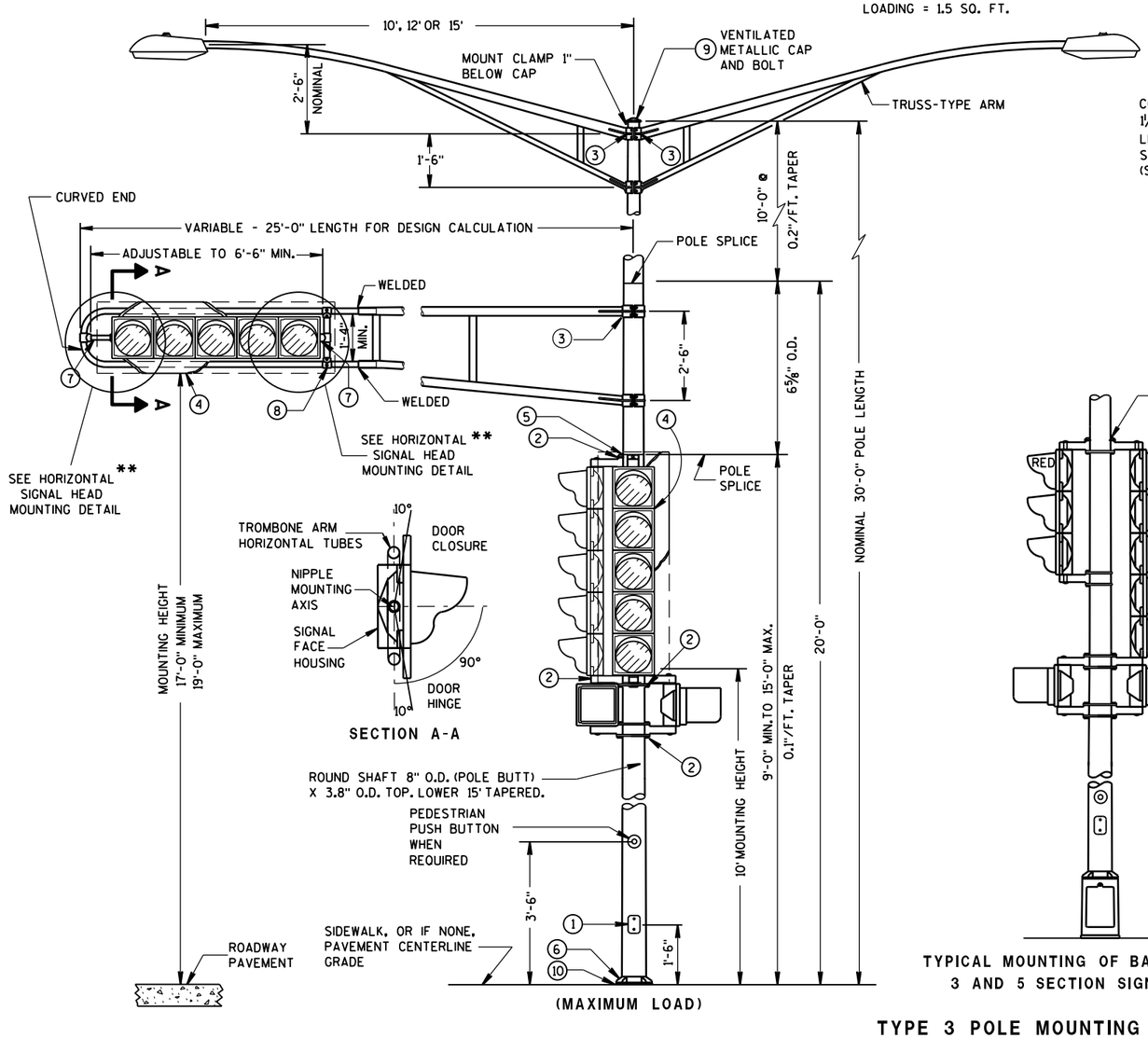


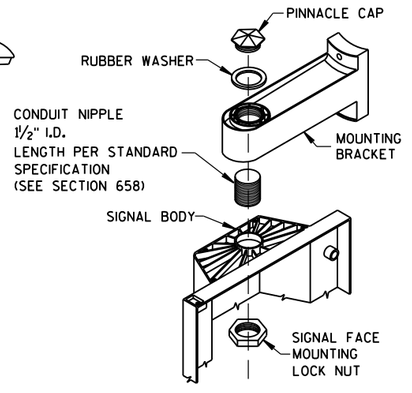


INTERCHANGEABLE MOUNTING DETAIL

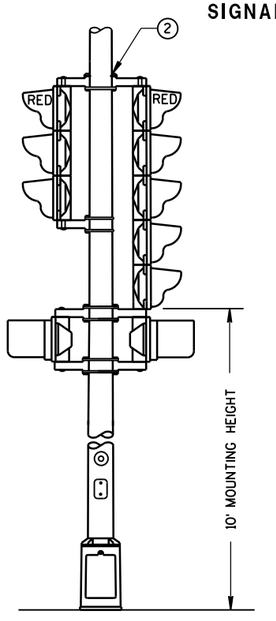
LUMINAIRE

WT. - 50 LBS.
EFFECTIVE PROJECTED
AREA FOR WIND
LOADING = 1.5 SQ. FT.

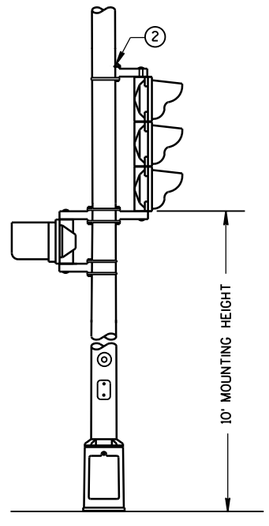




SIGNAL FACE MOUNTING DETAIL
(BANDED)



TYPICAL MOUNTING OF BACK TO BACK 3 AND 5 SECTION SIGNAL FACES



TYPICAL MOUNTING OF 3 SECTION SIGNAL FACE

GENERAL NOTES

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

ALL TYPE 3 POLE MOUNTINGS SHALL BE DESIGNED TO INCLUDE TWIN 15' ARMS WITH LUMINAIRES.

POLES SHALL BE GALVANIZED STEEL.

SECTION 657, POLES, OF THE STANDARD SPECIFICATIONS SHALL APPLY TO THIS DRAWING.

A PULL WIRE/ROPE IN ACCORDANCE WITH STANDARD SPECIFICATION 652, SHALL BE INSTALLED IN EACH TROMBONE ARM RACEWAY DURING THE MANUFACTURING PROCESS.

THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 2⅜ INCHES IN OUTSIDE DIAMETER. THE STRAIGHT PORTION OF THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 12 INCHES IN LENGTH.

WHEN TRANSFORMER BASES ARE USED, WIRE CONNECTIONS SHALL BE MADE IN THE TRANSFORMER BASE.

(1) 4" X 6" REINFORCED HANDHOLE & COVER ASSEMBLY WITH 2 (TWO) ¼" X ¾" - 20 TPI HEX HEAD STAINLESS STEEL BOLTS.

(2) SIGNAL FACE MOUNTING BRACKETS, MOUNT WITH CAP SCREWS AND BANDING. (SEE STANDARD SPECIFICATIONS - SEC. 658)

(3) GROMMETS, 1" CHASE NIPPLES OR 1" CLOSE CONDUIT NIPPLES WITH BUSHINGS SHALL BE PROVIDED FOR 1⅜" HOLE IN POLE SHAFT FOR WIRING.

(4) SECURELY MOUNT DULL BLACK POLYCARBONATE BACKPLATES, PROJECTING 5" BEYOND ALL SIDES OF THE SIGNAL FACE HOUSING, PER MANUFACTURER'S RECOMMENDATIONS.

(5) POLE MOUNTED SIGNAL FACES SHALL REQUIRE 1 OR MORE MOUNTING SPACERS UNDER THE TOP MOUNTING BRACKET(S) AS REQUIRED, TO PLUMB THE SIGNAL FACE.

(6) TYPE 3 POLE CONFIGURATIONS SHALL BE MOUNTED DIRECTLY TO THEIR CONCRETE BASES.

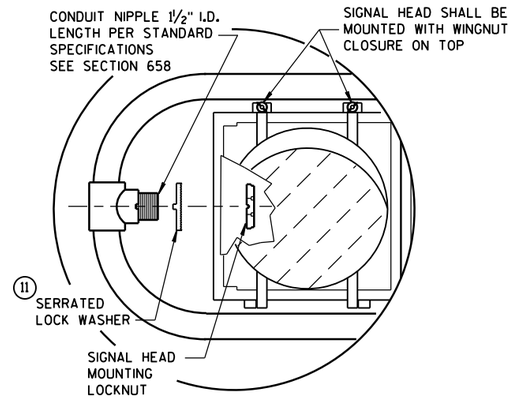
(7) MOUNTING BRACKET NIPPLES FOR THE SIGNAL FACE(S) SHALL BE 2 INCHES IN LENGTH AND 1½ INCHES IN DIAMETER. (SEE STANDARD SPECIFICATION - SECTION 658)

(8) VERTICAL STRUT (ADJUSTABLE). ONE (1) SET SCREW (1/4 " X ¾" -20 TPI, STAINLESS STEEL, HEX HEAD) INTO EACH ARM MEMBER IF STRUT IS THE SLIDING TYPE.

(9) FURNISH AND INSTALL VENTILATED, CAST, METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.

(10) SHIMMING, IF NEEDED, SHALL BE LOCATED BETWEEN THE CONCRETE FOUNDATION AND POLE.

(11) USE SERRATED LOCK WASHERS WITH NOTCHES BETWEEN END TEE AND SIGNAL HEAD.



HORIZONTAL SIGNAL HEAD MOUNTING DETAIL **

** SIGNAL HEAD ATTACHMENT ALSO APPLYS TO MOUNTING AT CROSS BAR

TYPE 3 POLE MOUNTING CONFIGURATION

POLE MOUNTINGS FOR TRAFFIC SIGNALS AND LIGHTING UNITS, TYPE 3 (HEAVY DUTY)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPO

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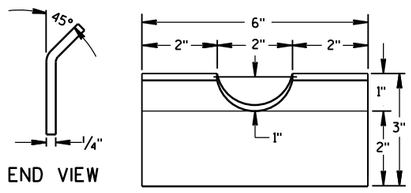
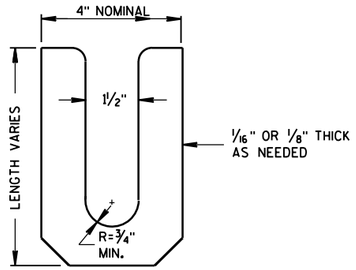


END VIEW

FRONT VIEW

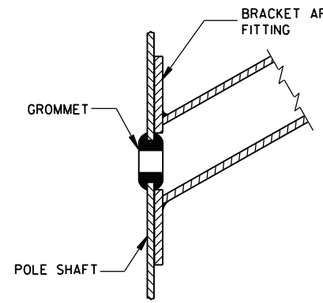
RECTANGULAR CLAMP SHIM

(4 TO A SET)

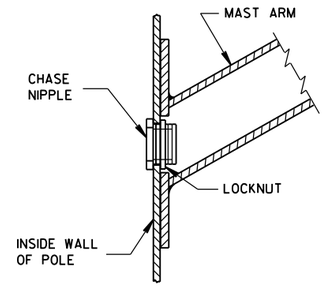


LEVELING SHIM (15)

SHALL BE ALUMINUM



TYPICAL APPLICATION OF GROMMET IN POLE SHAFT



TYPICAL APPLICATION OF CHASE NIPPLE IN POLE SHAFT

GENERAL NOTES

CLAMP BOLT-NUT TIGHTENING TORQUE SHALL BE INDICATED BY INDENT STAMPING (1/2 INCH NUMERALS AND LETTERS) OR WEATHERPROOF PRINTING ON THE INSIDE OF THE CLAMP THAT IS WELDED TO THE ARM MEMBER.

(10) 4.5" I.D. FOR LUMINAIRE MAST ARM CLAMP.
6.625" I.D. FOR TROMBONE MAST ARM CLAMP.

(11) INDIVIDUAL BASE PLATE ANCHOR ROD COVERS. (4 REQUIRED)

(12) BASE PLATE SLOTTED TO ACCEPT 11" THROUGH 12" BOLT CIRCLE USING 1" DIAMETER ANCHOR RODS.

(13) OUTSIDE SHIM DIAMETER - (4.5" O.D. FOR LUMINAIRE MAST ARM)
(6.625" O.D. FOR TROMBONE MAST ARM)

(14) VARIABLE SHIM THICKNESS - (0.10", 0.25", 0.35", 0.53" OR 0.70")

SHIM THICKNESS FOR TROMBONE MAST ARMS MAY BE TYPICALLY 0.25", 0.35", 0.53" OR 0.70".

SHIM THICKNESS FOR LUMINAIRE MAST ARMS MAY BE TYPICALLY 0.10", 0.25" OR 0.35".

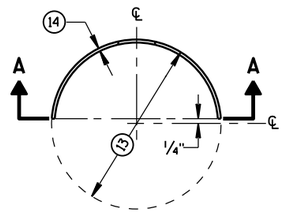
SHIM MATERIAL SHALL BE ALUMINUM ALLOY.

SHIM THICKNESS SHALL BE IMPRESSED INTO EACH SHIM. NUMERALS SHALL BE 1/4" HIGH AND LEGIBLE.

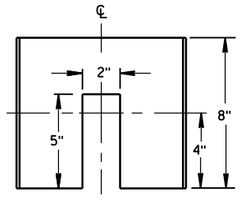
THE CONTRACTOR SHALL SUBMIT TWO COPIES OF ALL SHIM SHOP DRAWINGS TO THE ENGINEER FOR APPROVAL.

(15) LEVELING SHIMS, DESIGNED FOR THE PURPOSE, SHALL BE USED WHEN PLUMBING POLES. THE USE OF WASHERS IN LIEU OF PROPER LEVELING SHIMS IS NOT ACCEPTABLE. LEVELING SHIMS SHALL BE USED ONLY BETWEEN THE TOP OF THE CONCRETE BASE AND A METALLIC BASE PLATE.

SHIMS SHALL BE LONG ENOUGH AND WIDE ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.



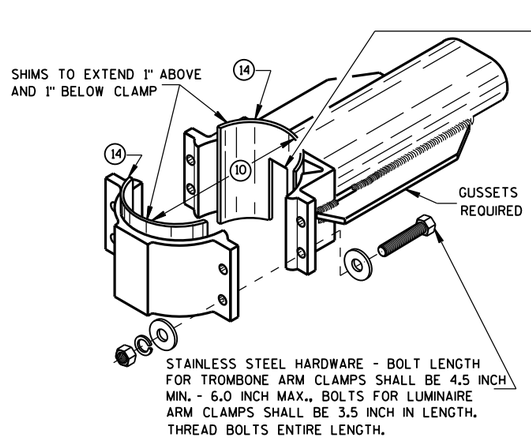
PLAN VIEW



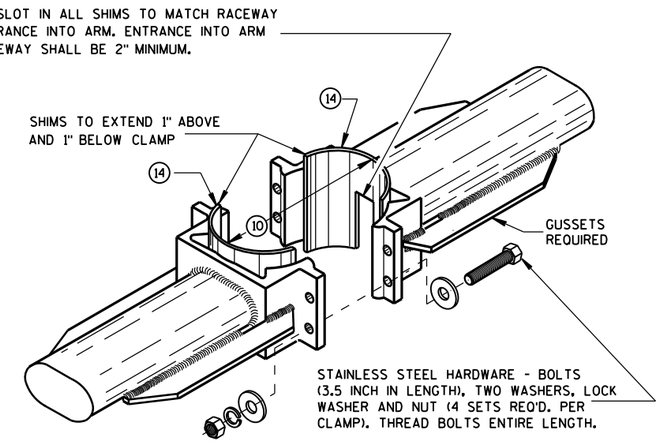
SECTION A-A

CIRCULAR CLAMP SHIM

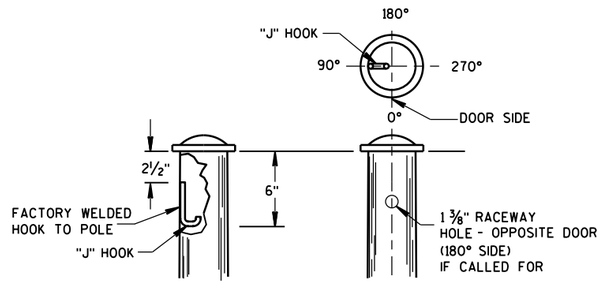
(2 TO A SET)



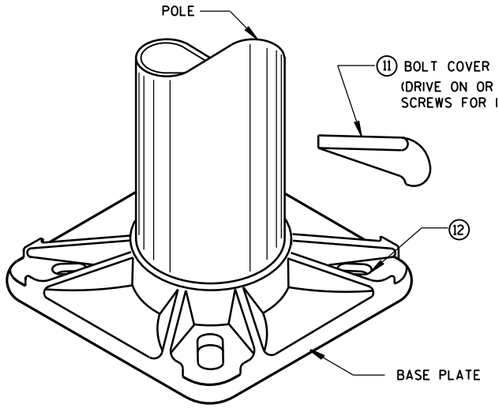
TYPICAL TROMBONE MAST ARM AND SINGLE LUMINAIRE MAST ARM MOUNTING CLAMP



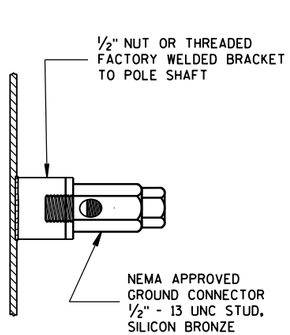
TYPICAL LUMINAIRE MAST ARM (DOUBLE) MOUNTING BRACKETS

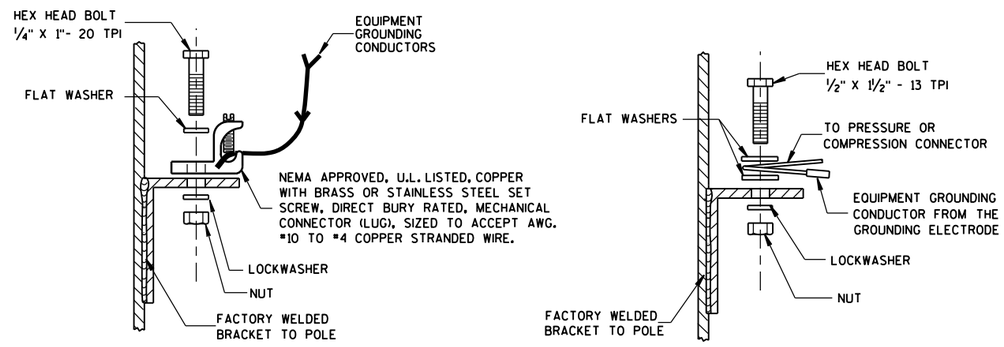


TYPICAL "J" HOOK LOCATION



BASE PLATE





TYPICAL GROUNDING CONNECTIONS

NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL

HARDWARE DETAILS FOR POLE MOUNTINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

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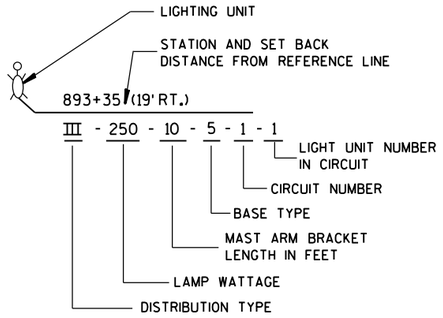
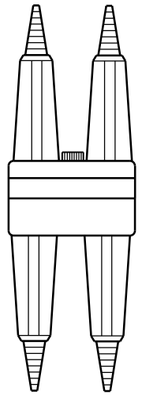
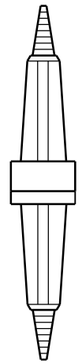


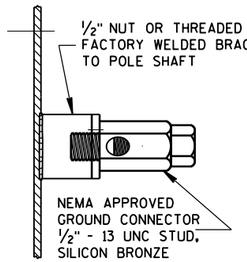
LIGHTING UNIT CODE
(TYPICAL)

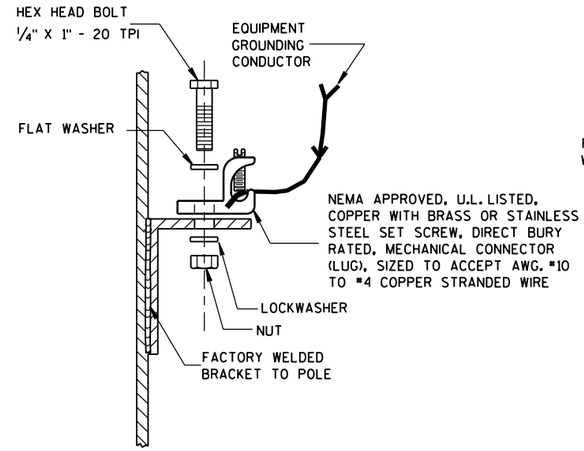


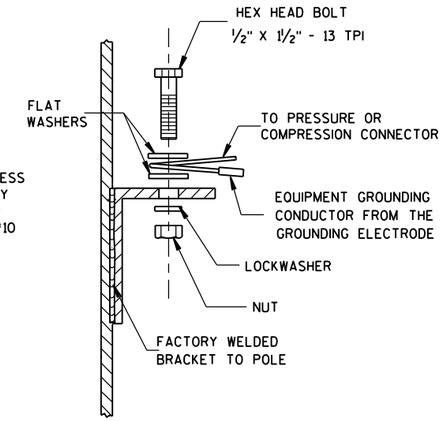
DETAIL "A"
BREAKAWY DOUBLE POLE WITH WATERPROOF INSULATING BOOT



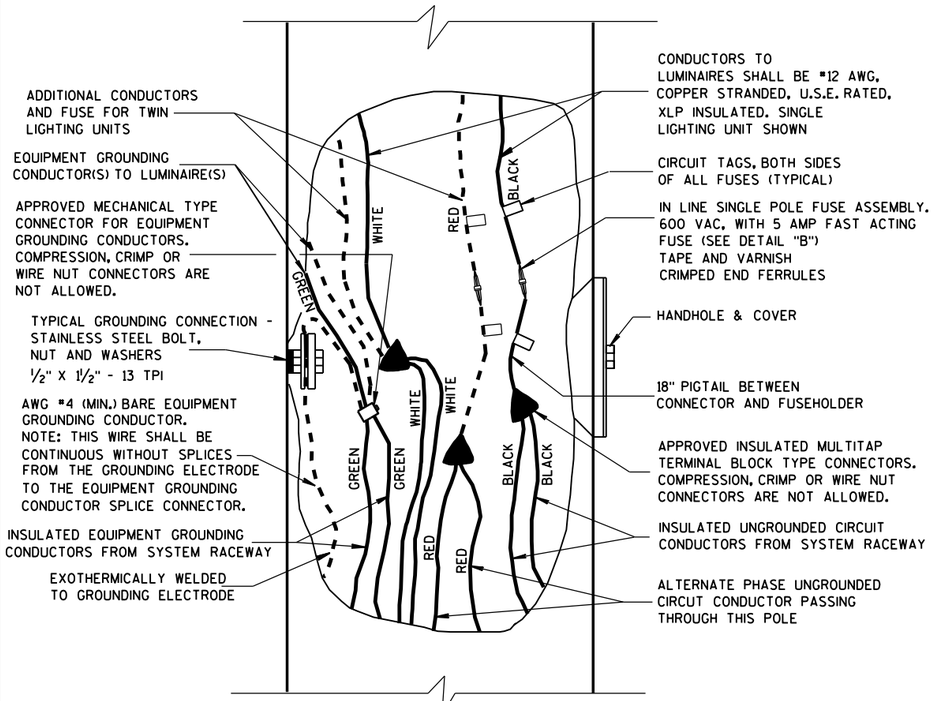
DETAIL "B"
BREAKAWY SINGLE POLE WITH WATERPROOF INSULATING BOOT



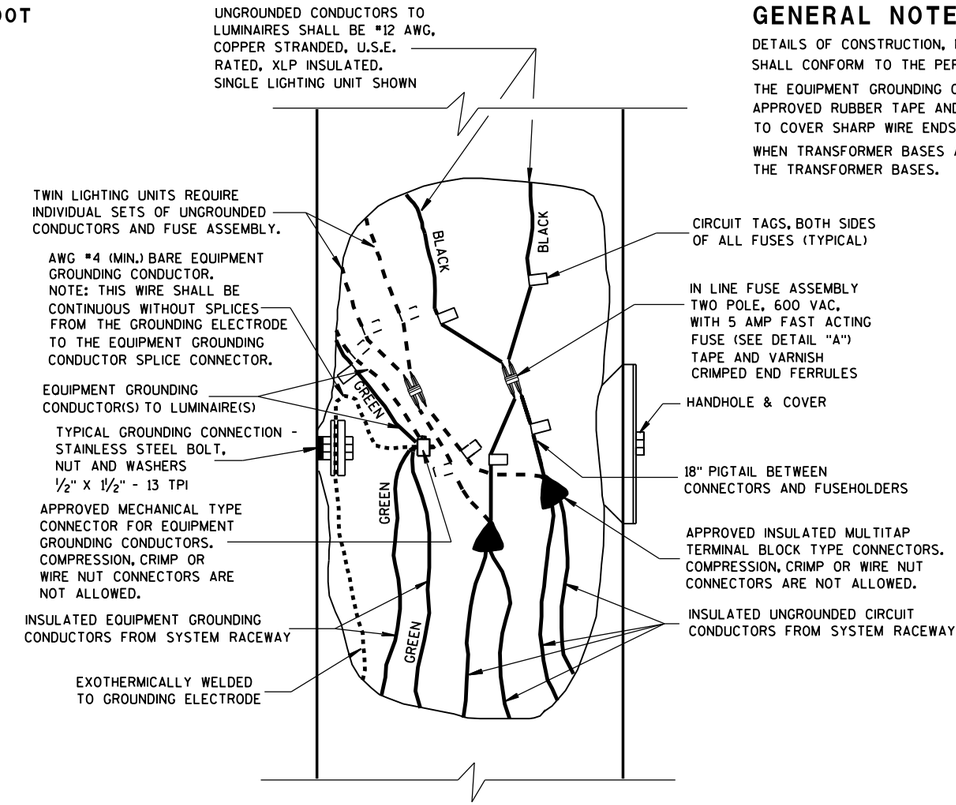




TYPICAL GROUNDING CONNECTIONS
NUT, BOLT, WASHERS AND LOCKWASHERS SHALL BE STAINLESS STEEL



3 WIRE - 120, 240 OR 480 VAC (UNGROUNDED CONDUCTOR) WITH GROUNDED CONDUCTOR AND WITH EQUIPMENT GROUNDING CONDUCTOR



2 WIRE - 240 OR 480 VAC (UNGROUNDED CONDUCTORS) WITH EQUIPMENT GROUNDING CONDUCTOR

GENERAL NOTES

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

THE EQUIPMENT GROUNDING CONNECTOR SHALL BE TAPED WITH 3 WRAPS (MINIMUM) OF APPROVED RUBBER TAPE AND THEN 3 WRAPS (MINIMUM) OF APPROVED VINYL TAPE TO COVER SHARP WIRE ENDS AFTER THE CONNECTION IS COMPLETED.

WHEN TRANSFORMER BASES ARE USED, ALL WIRING CONNECTIONS SHALL OCCUR WITHIN THE TRANSFORMER BASES.

NON-FREEWAY LIGHTING UNIT POLE WIRING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

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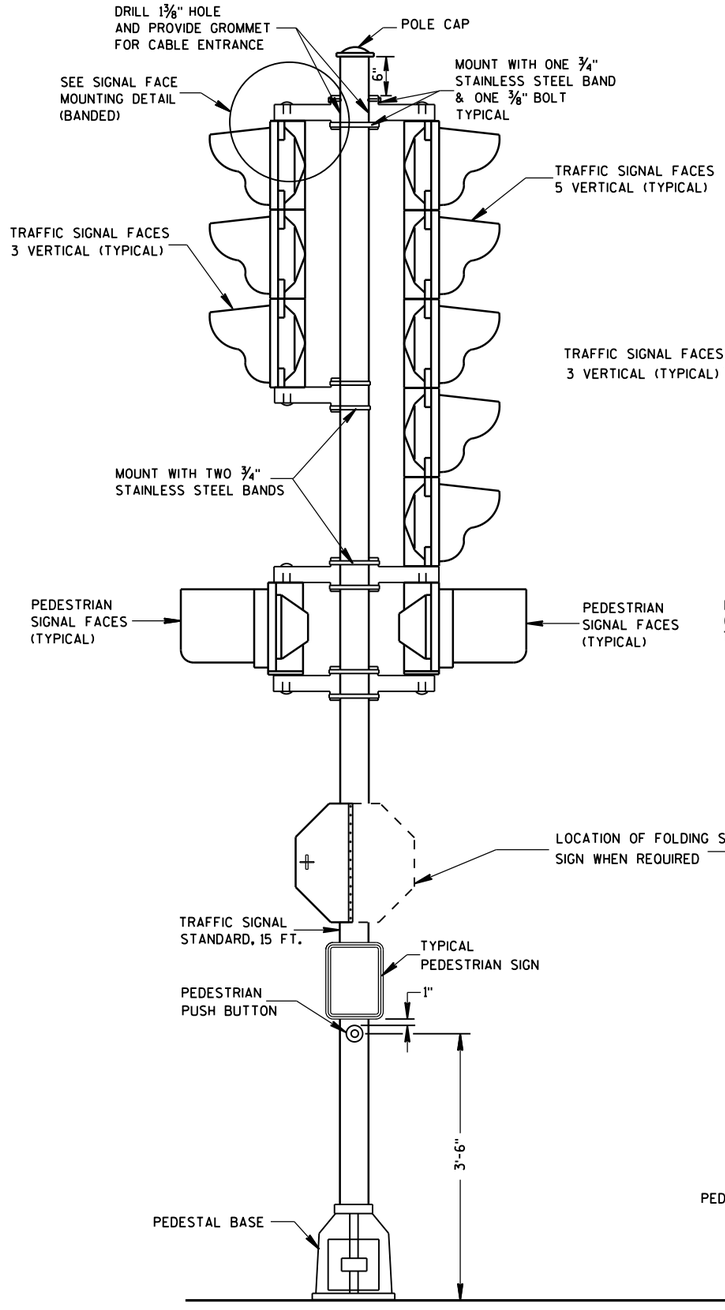
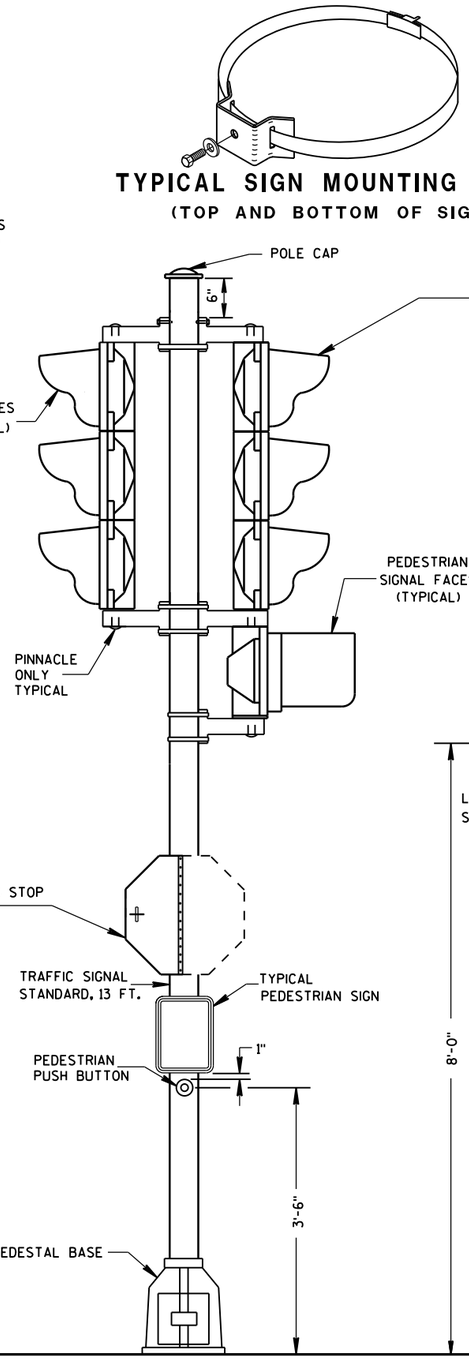
S.D.D. 9 E 3-5

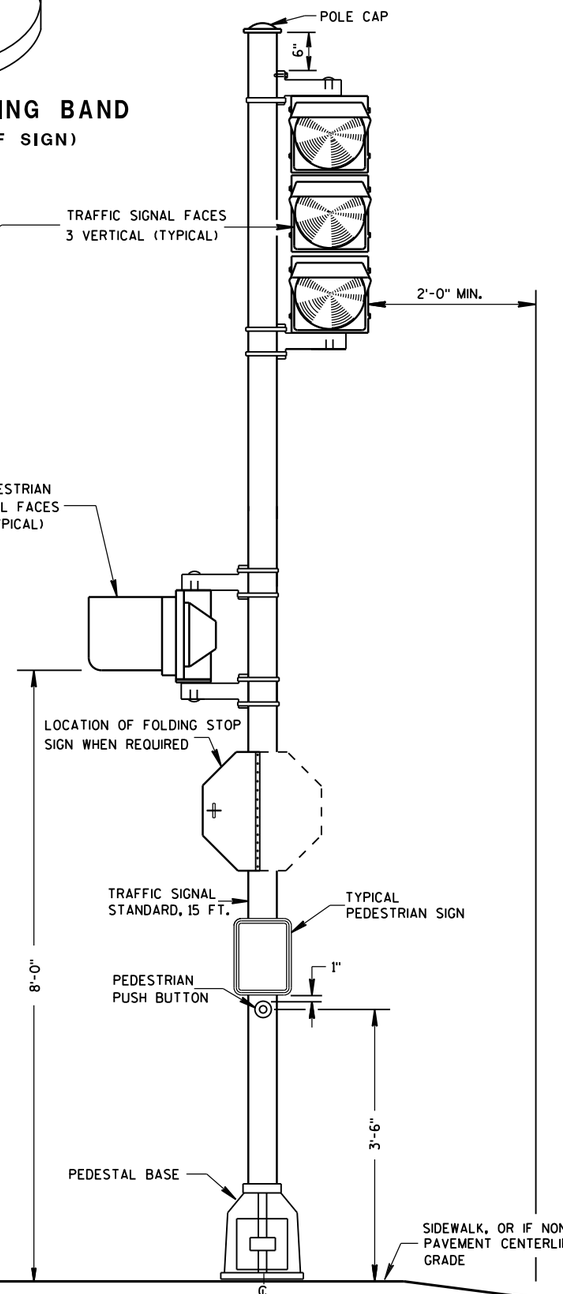


TRAFFIC SIGNAL STANDARD-15 FT.



TRAFFIC SIGNAL STANDARD-13 FT.

TYPICAL SIGN MOUNTING BAND
(TOP AND BOTTOM OF SIGN)



TRAFFIC SIGNAL STANDARD-15 FT.
3M MOUNTING (TYPICAL)

GENERAL NOTES

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

SEE THE SIGNAL PLAN FOR REQUIRED SIGNAL FACE SIZES.

ALL PEDESTAL BASES SHALL BE MOUNTED ON CONCRETE BASE - TYPE 1.

FOR APPROVED MOUNTING HARDWARE, SEE THE CONTRACT SPECIAL PROVISIONS.

POLYCARBONATE MOUNTING BRACKETS SHALL BE USED.

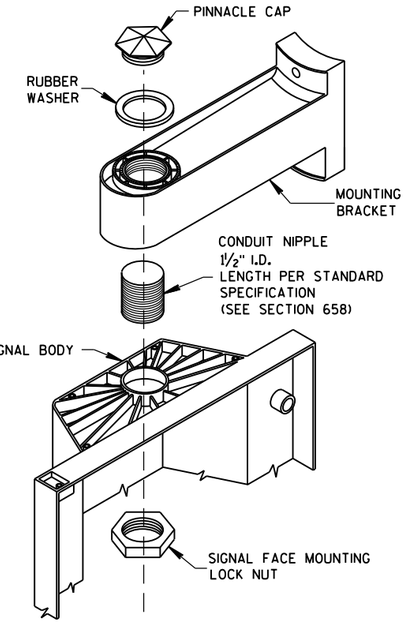
LENGTH AND LOCATION OF TRAFFIC SIGNAL STANDARDS SHALL BE AS SHOWN ON THE PLANS.

OPTICALLY PROGRAMMED SIGNAL FACES SHALL BE MASKED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS, AND UNDER THE DIRECTIONS OF THE REGION TRAFFIC ENGINEER.

FOLDING STOP SIGNS SHALL BE IN ACCORDANCE WITH THE MUTCD AND/OR THE LATEST WISCONSIN SUPPLEMENT. THE SIGNS SHALL BE SIZED AND LOCATED AS CALLED FOR IN IN THE PLANS.

PEDESTRIAN SIGNS SHALL BE AS DESIGNATED IN THE PLANS.

FURNISH AND INSTALL VENTILATED, CAST, METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.



SIGNAL FACE MOUNTING DETAIL
(BANDED)

TRAFFIC SIGNAL STANDARD POLY BRACKET MOUNTINGS (TYPICAL) 13 FT. OR 15 FT.

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
2/28/2013 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
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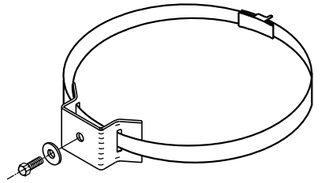
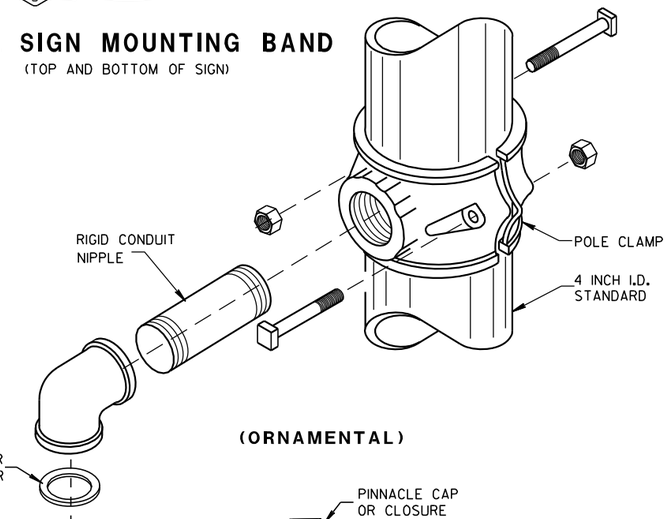


TYPICAL SIGN MOUNTING BAND
(TOP AND BOTTOM OF SIGN)



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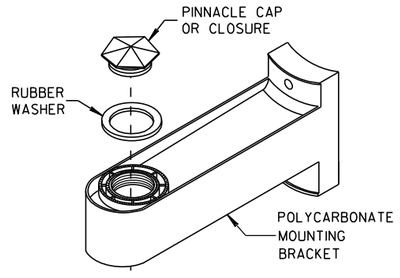
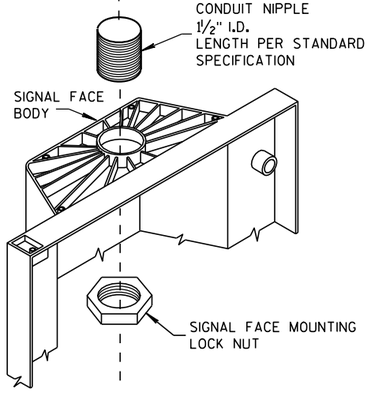
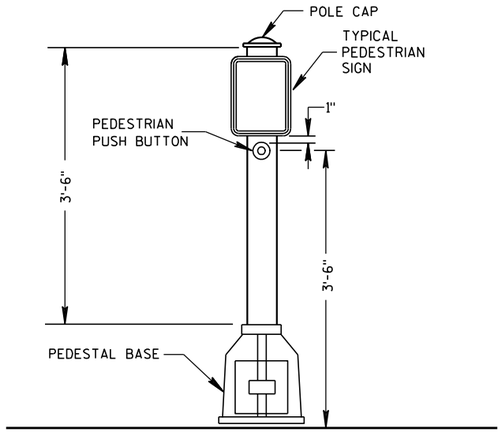


(BANDED)



SIGNAL FACE MOUNTING DETAILS



PEDESTRIAN PUSH BUTTON TYPICAL MOUNTING

GENERAL NOTES

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

SEE THE SIGNAL PLAN FOR REQUIRED SIGNAL FACE SIZES.

LOCATIONS SHALL BE AS SHOWN ON THE PLANS.

ALL PEDESTAL BASES SHALL BE MOUNTED ON CONCRETE BASE - TYPE 1.

FOR APPROVED MOUNTING HARDWARE, SEE THE CONTRACT SPECIFICATIONS.

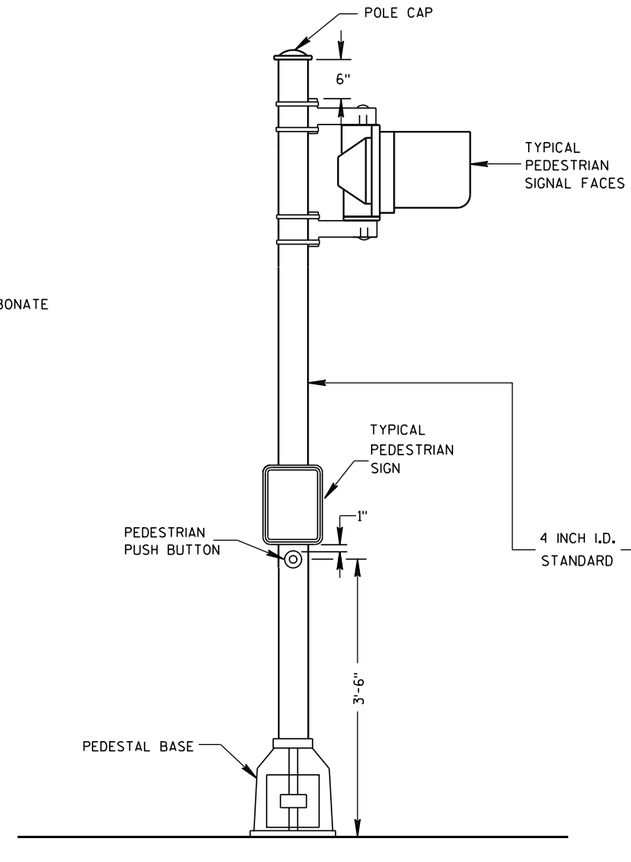
POLYCARBONATE SIGNAL FACE MOUNTING BRACKETS SHALL BE USED UNLESS ORNAMENTAL POLE CLAMPS ARE SPECIFIED.

LENGTH OF TRAFFIC STANDARDS SHALL BE AS SHOWN ON THE PLANS.

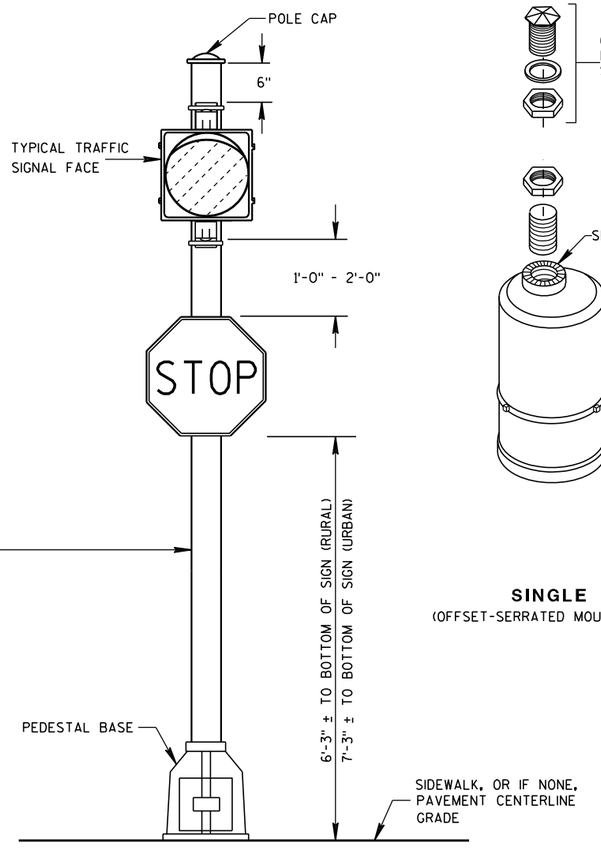
MOUNTINGS AND BRACKETS SHALL BE AS SHOWN ON THE PLANS OR DESCRIBED IN THE SPECIAL PROVISIONS (BY THE DISTRICT TRAFFIC ENGINEER).

PEDESTRIAN SIGNS SHALL BE AS DESIGNATED IN THE PLANS.

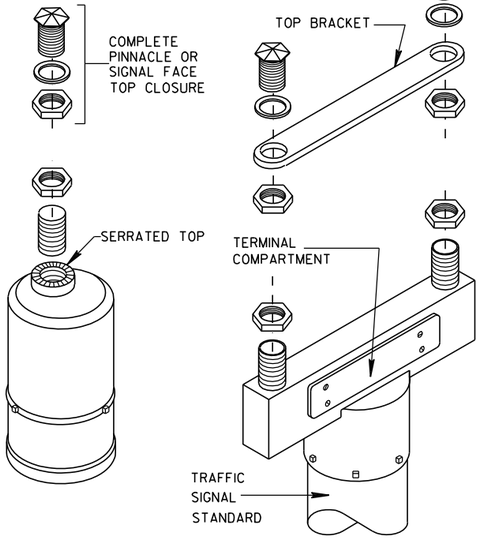
FURNISH AND INSTALL VENTILATED, CAST, METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.



PEDESTRIAN FACE STANDARD-10 FT.
(WALK-DON'T WALK)



STANDARD FLASHER.
10 FOOT, 13 FOOT OR 15 FOOT AS REQUIRED



SINGLE
(OFFSET-SERRATED MOUNTING)

DOUBLE
(SERRATED MOUNTING)

SLIPFITTERS

TRAFFIC SIGNAL STANDARD PEDESTRIAN AND FLASHER TYPICAL MOUNTING DETAILS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

5/11/10
DATE

/S/ John Corbin
STATE ELECTRICAL ENGI

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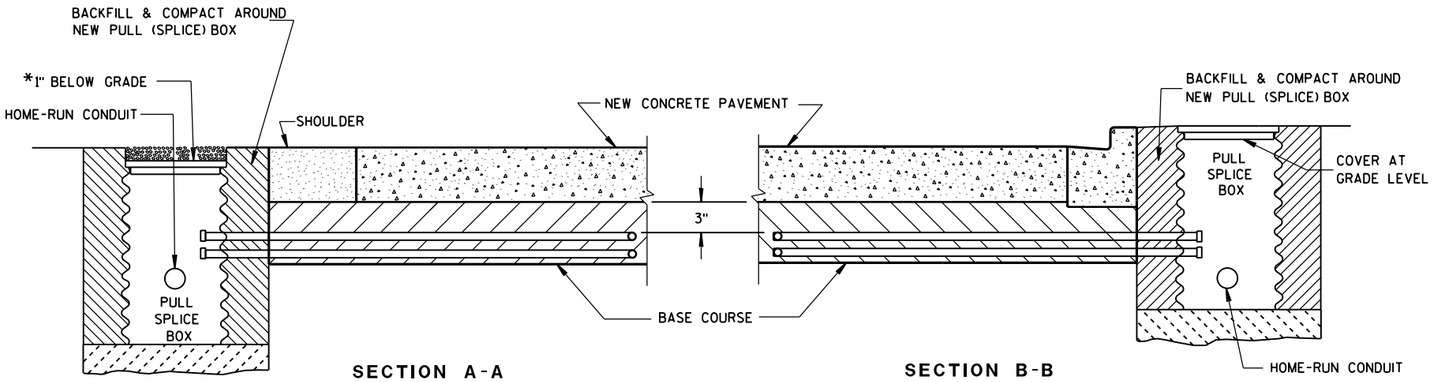


SECTION A-A
NO CURB & GUTTER

SECTION B-B
CURB & GUTTER

*RECESS PULL (SPLICE) BOX SO THAT THE COVER IS 3" BELOW GRADE IN SHOULDER AREAS OF CRUSHED AGGREGATE. BACKFILL OVER COVER WITH THE CRUSHED AGGREGATE TO BRING THE AREA TO GRADE LEVEL.

LOOP DETECTOR INSTALLATION DETAIL

GENERAL NOTES

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

LOOP SIZE, CONFIGURATION LOCATION, NUMBER OF TURNS OF WIRE AND ASSOCIATED SIGNAL PHASE SHALL BE AS SHOWN ON THE PLANS.

PITCH LEAD OUT CONDUIT TO DRAIN TO ROADSIDE PULL (SPLICE) BOX.

SPLICES SHALL BE INSTALLED BY USING CAST IN PLACE SPLICE KITS LISTED ON THE DEPARTMENTS APPROVED PRODUCTS LIST OR AN ENGINEER APPROVED EQUAL. NON-INSULATED BUTT SPLICES TO FIT #12 AWG STRANDED WIRE SHALL BE USED. SPLICES SHALL BE SOLDERED AND INSULATED FROM EACH OTHER AS PER INSTRUCTIONS INCLUDED IN THE SPLICE KIT.

MEASURE GROUND RESISTANCE USING A MEGGER. REPLACE LOOP WIRE NOT ATTAINING A READING OF INFINITY TO GROUND.

AFTER SPLICING THE LOOP WIRE TO THE LOOP LEAD-IN CABLE, THE CONTRACTOR SHALL MEASURE INDUCTANCE, GROUND RESISTANCE AND WIRE RESISTANCE AT THE CABINET END OF THE LEAD-IN CABLE AND FURNISH A COPY OF THE READINGS TO THE PROJECT ENGINEER FOR EVALUATION.

LOOP DETECTOR LEADS SHALL BE IDENTIFIED WITH THEIR ASSOCIATED LOOP BY USE OF WATERPROOF TAGS AT BOTH ENDS OF THE CABLE. A LISTING OF THE CABLE IDENTIFICATION PER INDIVIDUAL LOOP LEAD-IN SHALL BE PLACED IN THE CABINET.

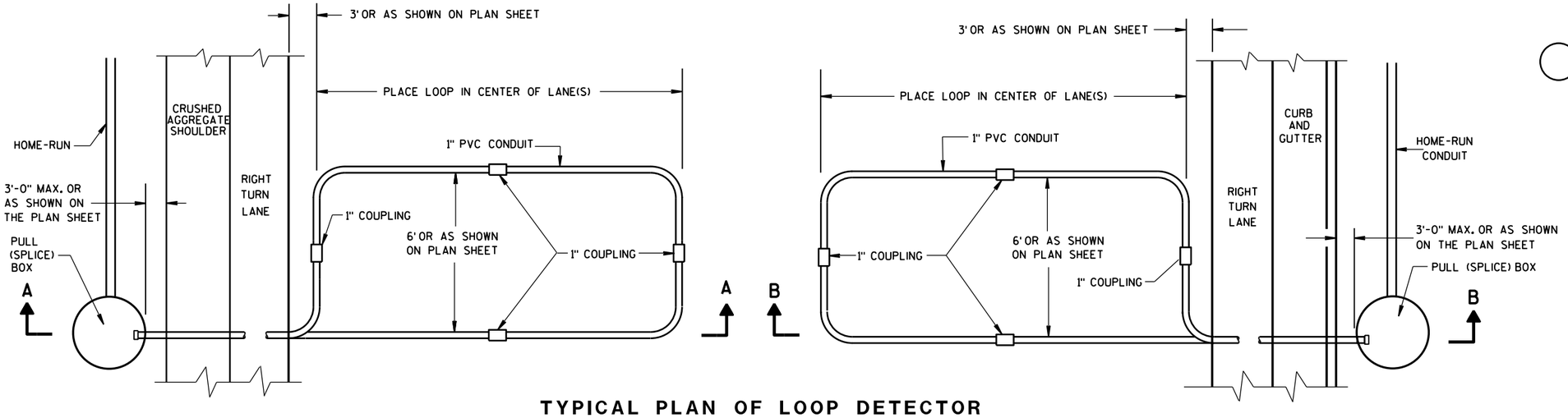
THE #12 AWG. LOOP WIRE IN THE PULL (SPLICE) BOX SHALL BE HAND TWISTED AT LEAST 3 TWISTS PER FOOT BEFORE BEING SPLICED TO THE LOOP LEAD-IN CABLE.

SPLICES OF LOOP WIRE TO LEAD-IN CABLE SHALL BE MADE ONLY IN PULL (SPLICE) BOXES AT THE SIDE OF THE ROAD.

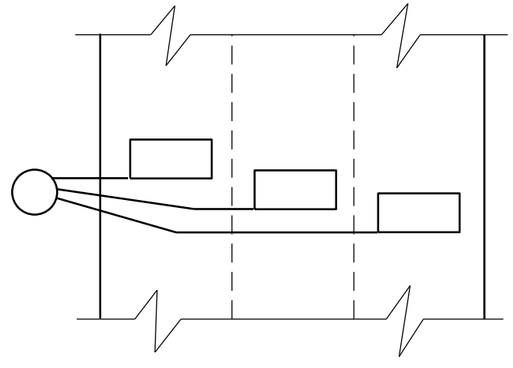
THE #12 AWG LOOP WIRE SHALL BE INSTALLED FROM THE ROADSIDE PULL (SPLICE) BOX, THROUGH THE LOOP CONDUIT, BACK TO THE ROADSIDE PULL (SPLICE) BOX, AND BE INSTALLED IN ONE, NON-SPLICED CONTINUOUS LENGTH.

PROTECTION OF THE CONDUITS IN THE BASE COURSE SHALL BE REQUIRED AFTER INSTALLATION AND BEFORE NEW PAVEMENT IS INSTALLED.

SHOULD INSTALLATION REPAIR BE REQUIRED, IT SHALL BE DONE UNDER THE DIRECTION OF THE PROJECT ENGINEER.



TYPICAL PLAN OF LOOP DETECTOR WITH 24" PULL (SPLICE) BOX



MULTI-LANE INSTALLATION

LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION
APPROVED Sept. 2014 DATE — /S/ Ahmet Demirbilek STATE ELECTRICAL FHWA

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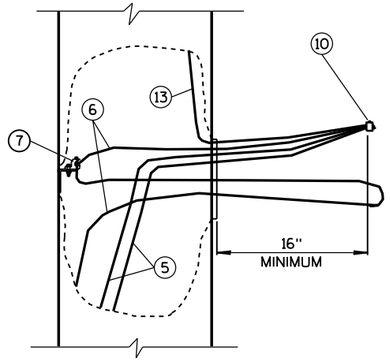
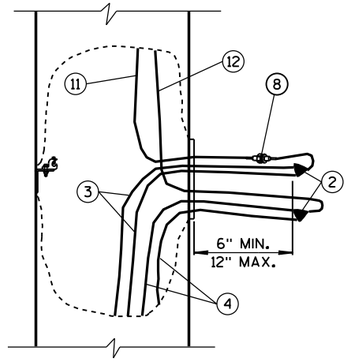
S.D.D. 9 F 15-4b

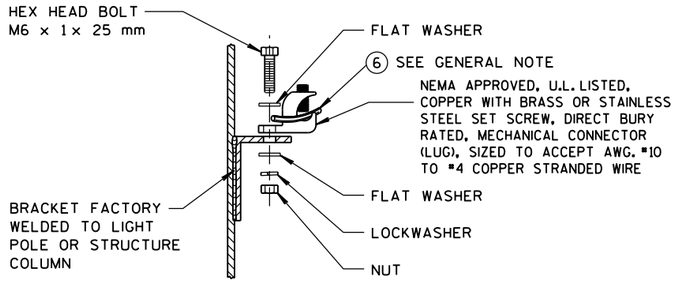


EQUIPMENT GROUNDING CONDUCTOR SLACK



UNGROUNDED CONDUCTOR SLACK (AND GROUNDED NEUTRAL SLACK IN GROUNDED NEUTRAL SYSTEM)

TYPICAL CONDUCTOR SLACK AT HANDHOLES



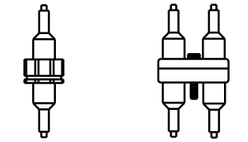
HANDHOLE GROUNDING LUG

(NUT, BOLT, WASHERS, AND LOCK WASHERS SHALL BE STAINLESS STEEL)

CONDUCTOR COLOR CODES

KEY	CONDUCTOR	COLOR
3	UNGROUNDED LINE WIRE	*
4	GROUNDED LINE WIRE	WHITE
5	SYSTEM GROUNDING LINE WIRE	GREEN
6	GROUNDING ELECTRODE CONDUCTOR	BARE
11	UNGROUNDED POLE WIRE	*
12	GROUNDED POLE WIRE	WHITE
13	EQUIPMENT GROUNDING POLE WIRE	GREEN

* FOLLOW COLOR CODING SHOWN IN THE PLANS. WHERE THE PLANS DO NOT SHOW COLOR CODING, USE BLACK FOR SINGLE LUMINAIRE POLES; BLACK AND RED FOR TWIN LUMINAIRE POLES.



1 POLE (1P) 2 POLE (2P)

FUSE ASSEMBLIES

GENERAL NOTES

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

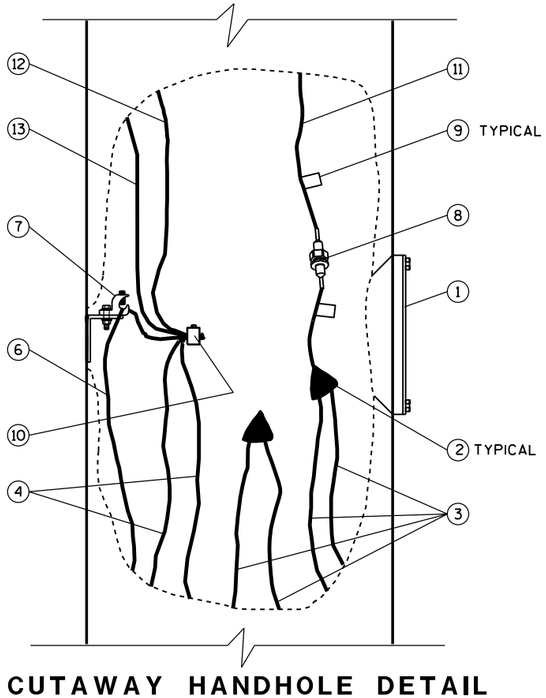
USE THIS DETAIL IN CONJUNCTION WITH THE ELECTRICAL DETAILS FOR THE APPLICATION, WHICH MAY BE A LIGHT POLE, SIGN BRIDGE, ETC.

THE GROUNDING ELECTRODE CONDUCTOR SHALL BE CONTINUOUS WITHOUT SPLICES FROM THE GROUNDING ELECTRODE THROUGH THE HANDHOLE GROUNDING LUG TO THE CONNECTOR.

THREE POLE WIRES ARE SHOWN FOR A SINGLE LUMINAIRE LIGHT POLE. THREE ADDITIONAL POLE WIRES REQUIRED FOR TWIN LUMINAIRE LIGHT POLES ARE OMITTED FROM THE DRAWING FOR CLARITY. IN THE TWIN POLE CASE, BUNDLE EACH SET OF THREE WIRES WITH A NYLON CABLE TIE.

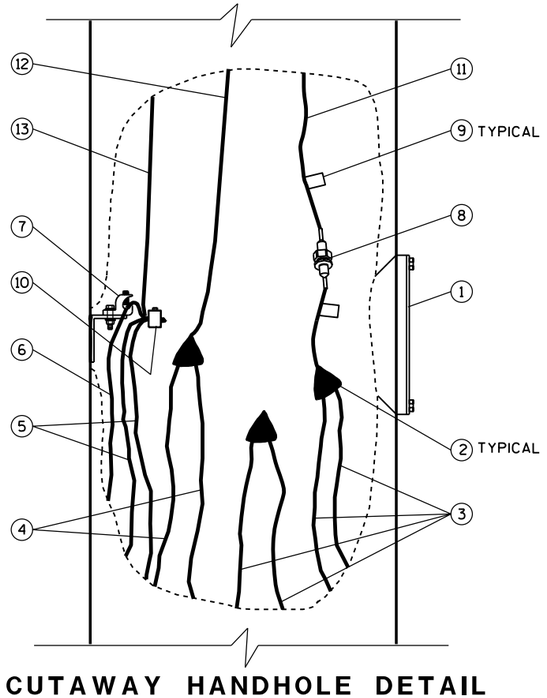
IN 3-PHASE SYSTEMS, THERE WILL BE ONE MORE UNGROUNDED LINE WIRE, WHICH IS OMITTED FROM THE DRAWING FOR CLARITY.

CIRCUIT TAGS SHALL BE INSTALLED ONLY WHERE REQUIRED IN THE SPECIAL PROVISIONS.



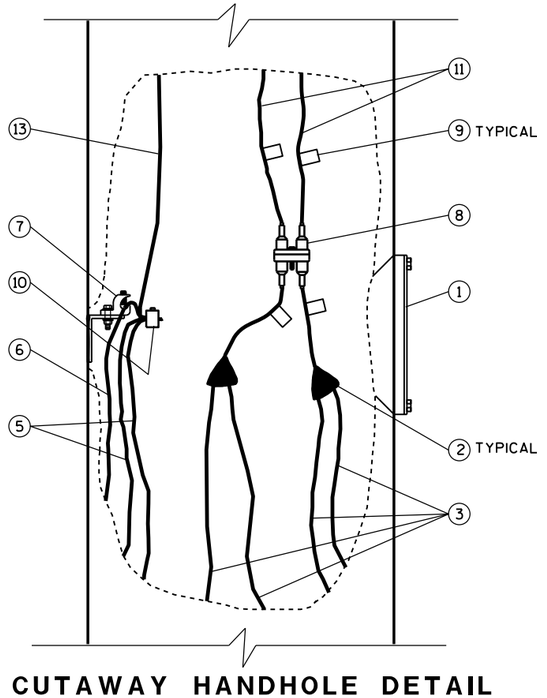
CUTAWAY HANDHOLE DETAIL

GROUNDED NEUTRAL SYSTEMS
1-Φ



CUTAWAY HANDHOLE DETAIL

ISOLATED NEUTRAL SYSTEMS
1-Φ SHOWN; 3-Φ WYE SIMILAR
(SEE GENERAL NOTE)



CUTAWAY HANDHOLE DETAIL

PHASE-TO-PHASE SYSTEMS
1-Φ SHOWN; 3-Φ DELTA SIMILAR
(SEE GENERAL NOTE)

NOTE: REQUIRED CONDUCTOR SLACK NOT SHOWN ON "CUTAWAY HAND HOLE" DETAILS FOR DRAWING CLARITY, SEE "TYPICAL CONDUCTOR SLACK AT HANDHOLES" ON THIS SHEET.

(1) HANDHOLE AND COVER
(2) INSULATED SPLICE
(3) UNGROUNDED LINE WIRE
(4) GROUNDED LINE WIRE
(5) SYSTEM GROUNDING LINE WIRE
(6) GROUNDING ELECTRODE CONDUCTOR
(7) HANDHOLE GROUNDING LUG
(8) FUSE ASSEMBLY, 1P OR 2P AS REQUIRED
(9) CIRCUIT TAG (SEE GENERAL NOTE)
(10) REVERSIBLE PRESSURE OR COMPRESSION GROUNDING CONNECTOR (NOT INSULATED)
(11) UNGROUNDED POLE WIRE
(12) GROUNDED POLE WIRE
(13) EQUIPMENT GROUNDING POLE WIRE

ELECTRICAL HANDHOLE WIRING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

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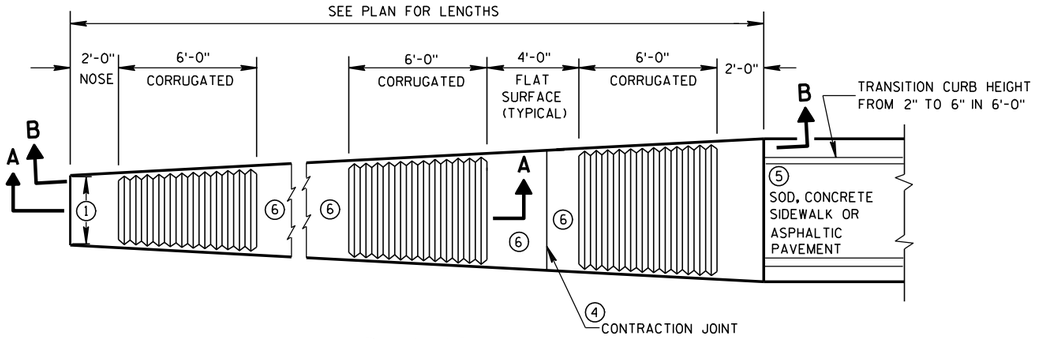
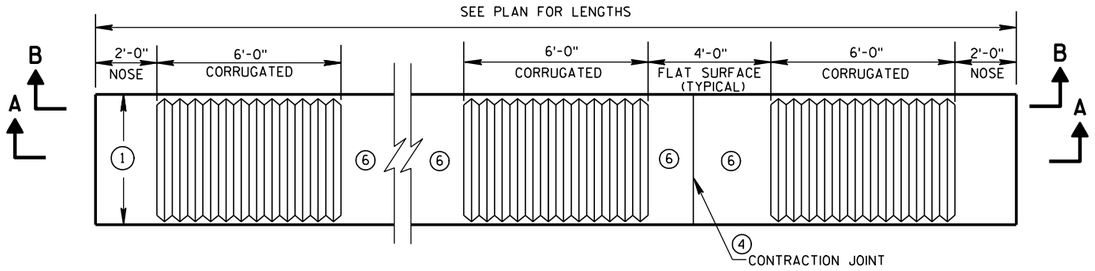


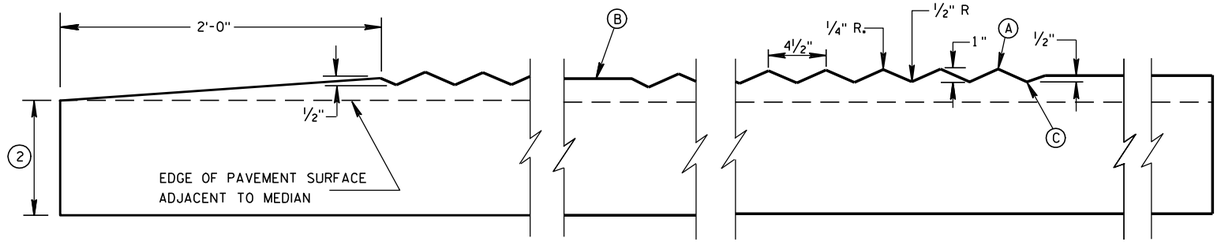
PLAN VIEW

VARIABLE WIDTH CONCRETE CORRUGATED MEDIAN



PLAN VIEW

UNIFORM WIDTH CONCRETE CORRUGATED MEDIAN



SECTION A-A

LONGITUDINAL SECTION

GENERAL NOTES

(1) SEE PLANS FOR CONSTANT OR VARIABLE WIDTH.

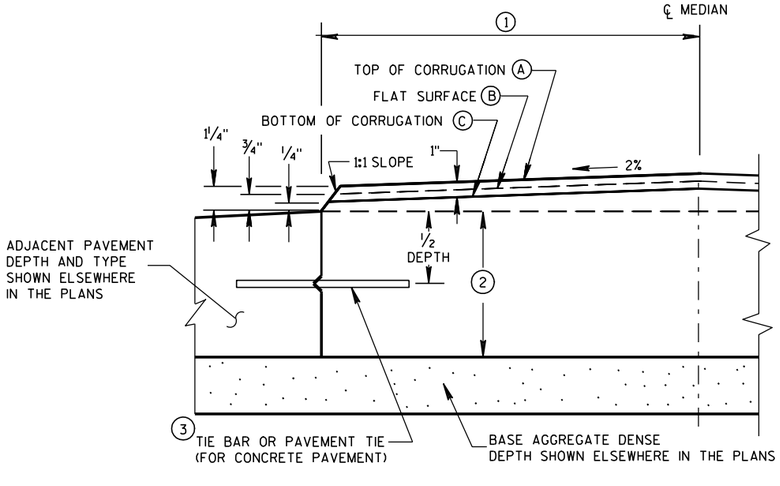
(2) THE DEPTH OF THE CONCRETE CORRUGATED MEDIAN SHALL BE 9-INCHES UNLESS SHOWN OTHERWISE IN THE PLAN.
ADJACENT PAVEMENT STRUCTURE DETAILS ARE SHOWN IN THE PLAN. TYPICAL OPTIONS ARE:
(1) NEW OR EXISTING CONCRETE PAVEMENT.
(2) ASPHALTIC CONCRETE OVER NEW OR EXISTING CONCRETE BASE COURSE, OR PAVEMENT.
(3) ASPHALTIC PAVEMENT OVER BASE AGGREGATE DENSE.

(3) TIE BARS OR PAVEMENT TIES REQUIRED IN NEW CONCRETE PAVEMENT OR CONCRETE BASE COURSE. TIE BARS SHALL BE NO. 4 X 2'-0" SPACED AT 2'-0" C-C.
INSTALL TIE BARS TO MAINTAIN A MINIMUM OF 3-INCHES OF COVER BETWEEN THE TIE BAR AND THE CONCRETE SURFACE (BOTTOM AND TOP).
PAVEMENT TIES REQUIRED IN EXISTING CONCRETE PAVEMENT OR CONCRETE BASE COURSE, PAVEMENT TIES SHALL BE NO. 6 X 1'-0" SPACED AT 3'-0" C-C INSTALLED ON A HORIZONTAL SKEW OF 6:1. THE DIRECTION OF SKEW SHALL ALTERNATE AFTER EVERY ONE OR TWO BARS.

(4) CONCRETE CORRUGATED MEDIAN CONTRACTION JOINTS SHALL BE CONSTRUCTED TO MATCH THE JOINTS IN ADJACENT CONCRETE PAVEMENT. WHERE ADJACENT PAVEMENT IS ASPHALT WITH BASE AGGREGATE DENSE. TRANSVERSE CONTRACTION JOINTS SHALL BE PROVIDED AT 20 FOOT INTERVALS.

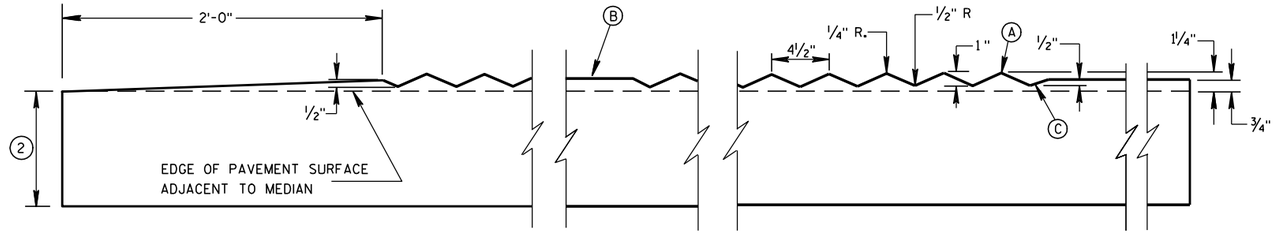
(5) SURFACE TYPE AND DETAILS ARE DEFINED ELSEWHERE IN THE PLAN.

(6) YELLOW MARKING ON FLAT SURFACE WHEN MEDIAN SEPARATES OPPOSING TRAFFIC.



HALF CROSS SECTION

(2) CONCRETE CORRUGATED MEDIAN AND ADJACENT PAVEMENT



SECTION B-B

LONGITUDINAL SECTION

CONCRETE CORRUGATED MEDIAN

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

12/17/07
DATE

/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER

FHWA

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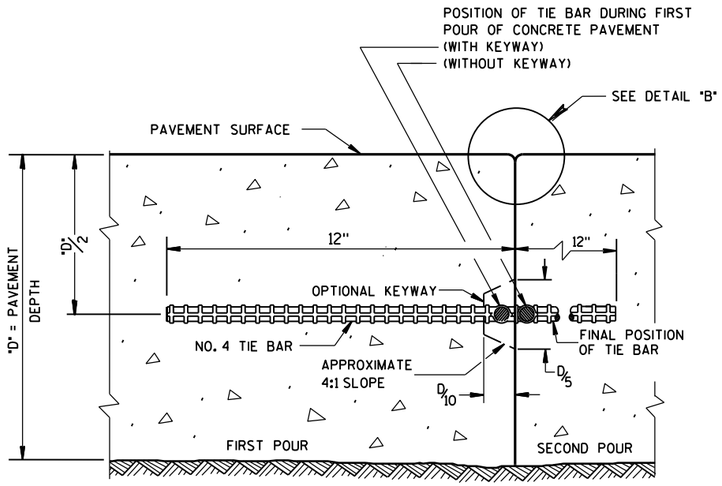
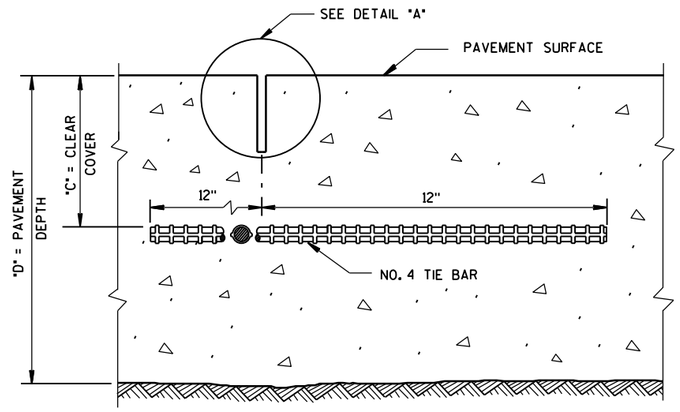


CONSTRUCTION JOINT



SAWED JOINT

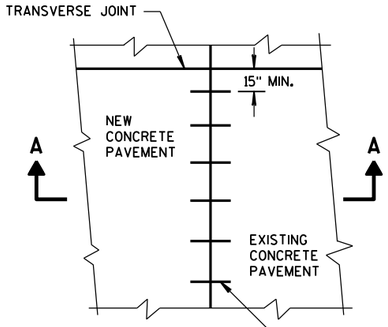
GENERAL NOTES

DO NOT SEAL OR FILL LONGITUDINAL JOINTS.

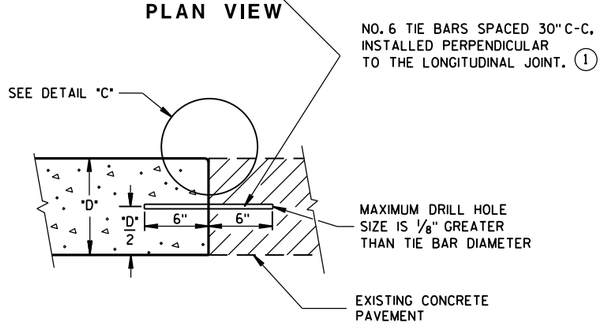
CREATE A LONGITUDINAL JOINT FOR PAVEMENT WIDTHS GREATER THAN 15 FEET.

CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

(1) ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.

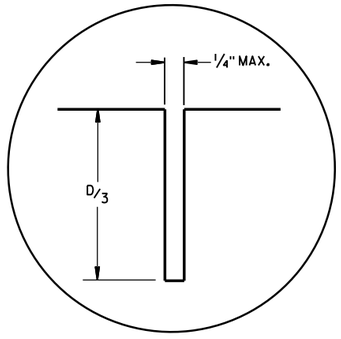


PLAN VIEW

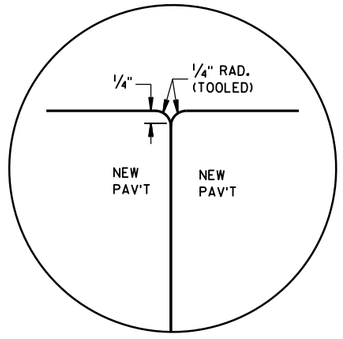


SECTION A-A

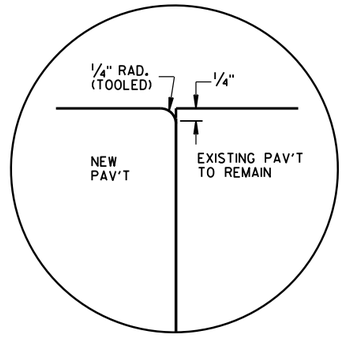
LONGITUDINAL CONSTRUCTION JOINT TIE BARS ANCHORED INTO EXISTING PAVEMENT



DETAIL "A"



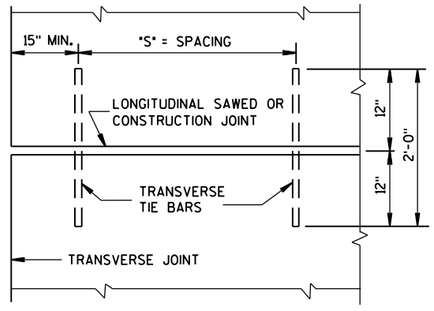
DETAIL "B"



DETAIL "C"

TIE BAR TABLE

PAVEMENT DEPTH "D"	CLEAR COVER "C"	MAXIMUM TIE BAR SPACING "S"	
		PAVEMENT WIDTH	
		24' OR 26'	≥30'
6, 6 1/2"	3"±1/2"	48"	42"
7, 7 1/2"	3 1/4"±1"	45"	36"
8, 8 1/2"	3 3/4"±1"	39"	30"
9, 9 1/2"	4 1/4"±1"	33"	27"
10, 10 1/2"	4 3/4"±1"	30"	24"
11, 11 1/2"	5 1/4"±1"	27"	21"
12"	5 3/4"±1"	24"	21"



PLAN VIEW
SHOWING LOCATION OF TIE BARS

CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

9/2014 — DATE

/S/ Deb Bischoff — PAVEMENT POLICY & DE ... NEER

FHWA

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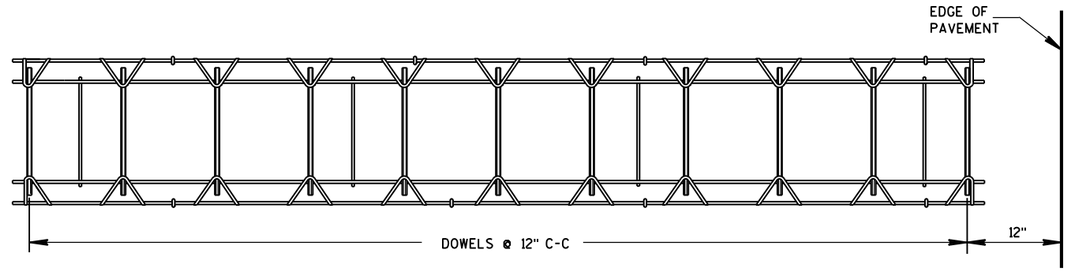
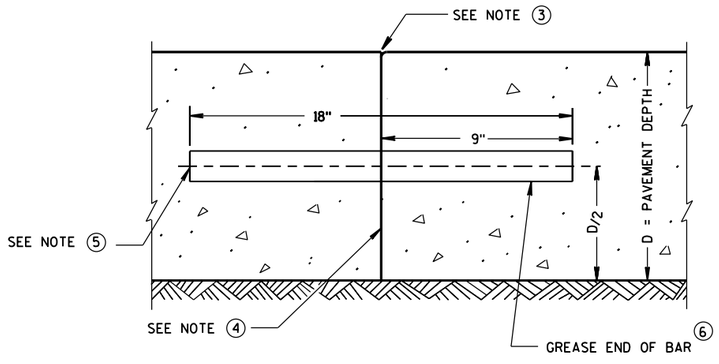


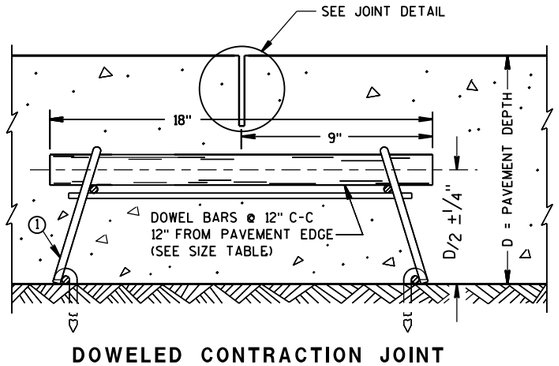
PLAN VIEW

SIDE VIEW

CONTRACTION JOINT DOWEL ASSEMBLY ①



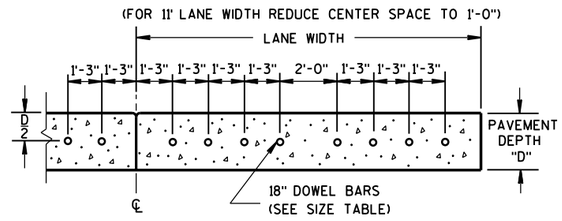
TRANSVERSE CONSTRUCTION JOINT



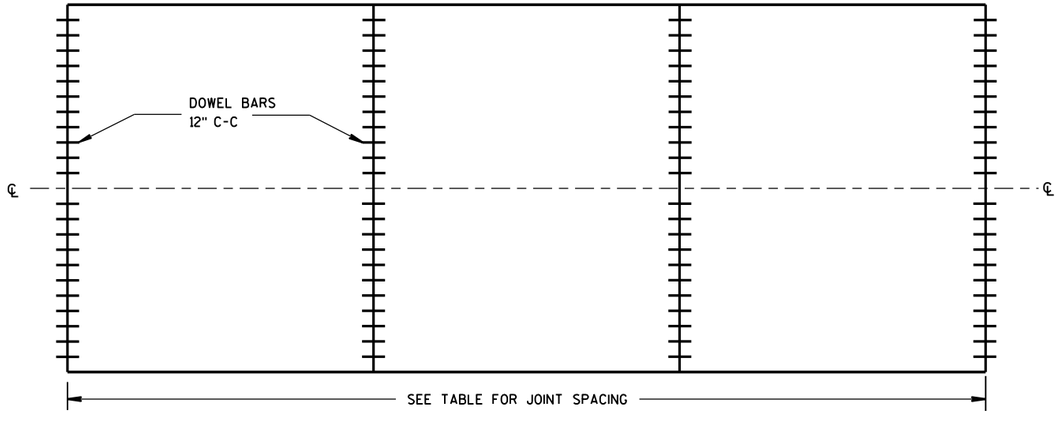
DOWELED CONTRACTION JOINT

PAVEMENT DEPTH, DOWEL BAR SIZE AND JOINT SPACING TABLE

PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER	CONTRACTION JOINT SPACING
5 ½", 6", 6 ½"	NONE	12'
7", 7 ½"	1"	14'
8", 8 ½"	1 ¼"	15'
9", 9 ½"	1 ¼"	15'
10" & ABOVE	1 ½"	15'



DRILLED DOWEL BAR CONSTRUCTION JOINT ⑦



CONTRACTION JOINT LOCATIONS

GENERAL NOTES

CONTRACTION JOINTS

CONSTRUCT TRANSVERSE CONTRACTION JOINTS NORMAL TO THE CENTERLINE. SHOW THE LOCATION OF CONTRACTION JOINTS THROUGH INTERSECTIONS ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

DO NOT SEAL OR FILL CONTRACTION JOINTS.

INSTALL DOWEL BARS PARALLEL TO THE PAVEMENT CENTERLINE AND PAVEMENT SURFACE.

FOR PAVEMENT SLABS OF VARYING WIDTHS, LOCATE THE OUTER MOST DOWEL BAR SO THAT THE CENTER OF THE BAR IS A MINIMUM OF 6 INCHES AND A MAXIMUM OF 18 INCHES FROM THE LONGITUDINAL JOINT AND THE FREE EDGE OF PAVEMENT.

CONSTRUCTION JOINTS

LOCATE CONSTRUCTION JOINTS A MINIMUM OF 6 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO CONTRACTION JOINTS.

① **OBTAIN THE ENGINEER'S APPROVAL FOR THE USE OF ALTERNATIVE DESIGNS OF THE DOWEL ASSEMBLY. USE MECHANICAL DOWEL BAR INSERTERS OR DOWEL ASSEMBLIES WHEN CONSTRUCTING CONTRACTION JOINTS.**

② SECURE BASKETS WITH ANCHORS TO HOLD DOWEL BARS IN THE CORRECT POSITION AND ALIGNMENT. TYPE, LOCATION, NUMBER AND LENGTH OF ANCHORS ARE DEPENDENT UPON FIELD CONDITIONS.

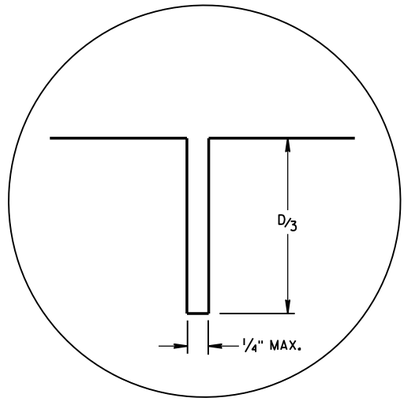
③ FORM OR SAW CONSTRUCTION JOINTS. PROVIDE A ¼-INCH RADIUS AT FORMED JOINTS.

④ PROVIDE A SMOOTH VERTICAL FACE FOR THE ENTIRE DEPTH OF THE PAVEMENT WHEN FORMING CONSTRUCTION JOINTS.

⑤ INSTALL DOWEL BARS AT CONSTRUCTION JOINTS BY FORMING OR DRILLING. INSTALL FORMED DOWEL BARS 12 INCHES C-C AND 12 INCHES FROM PAVEMENT EDGE. REMOVE EXCESS CONCRETE FROM THE FREE END OF THE DOWEL BAR IF DOWEL BARS ARE FORMED THROUGH A HEADER BOARD. INSTALL DRILLED DOWEL BARS ACCORDING TO *DRILLED DOWEL BAR CONSTRUCTION JOINT* DETAIL.

⑥ APPLY A THIN UNIFORM COATING OF SURFACE TREATMENT TO THE FREE END OF DOWEL BARS TO PREVENT BONDING.

⑦ ANCHOR DOWEL BARS INTO DRILLED HOLES WITH AN EPOXY. MAXIMUM DRILLED HOLE SIZE IS ⅛-INCH GREATER THAN DOWEL BAR DIAMETER, 9 INCHES IN LENGTH.



JOINT DETAIL

URBAN DOWELED CONCRETE PAVEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
5/3/2013 DATE
/S/ Deb Bischoff
PAVEMENT POLICY & DE ...NEER
FHWA

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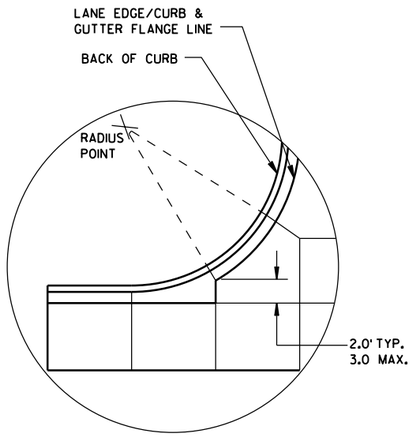
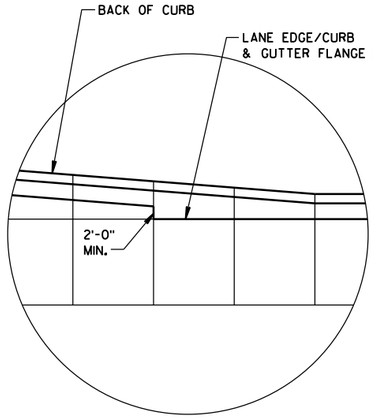
S.D.D. 13 C 13-8



DETAIL "A"



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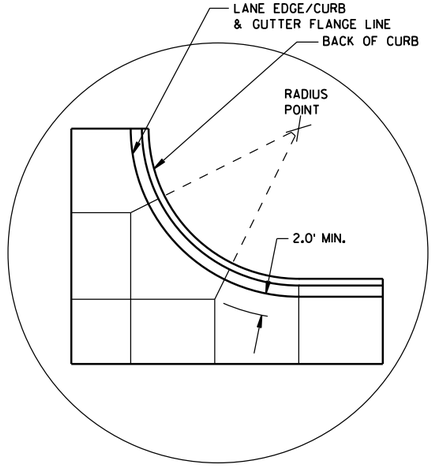
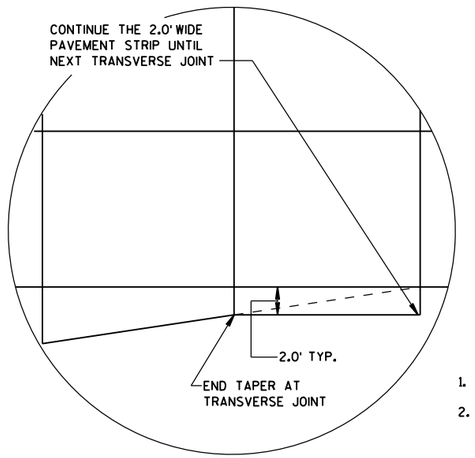


DETAIL "C"



DETAIL "D"

GENERAL NOTES

THE PRIMARY ROADWAY CONTROLS THE TRANSVERSE JOINT PATTERN.

ALIGN NEW JOINTS WITH EXISTING JOINTS OR CRACKS.

CONSTRUCT TRANSVERSE JOINTS PERPENDICULAR TO THE ROADWAY.

ADJUST TRANSVERSE JOINTS TO ALIGN WITH UTILITY FIXTURES (E.G. MANHOLES AND INLETS) IN THE PAVEMENT STRUCTURE WHEN POSSIBLE. WATER VALVES DO NOT REQUIRE JOINT ADJUSTMENT.

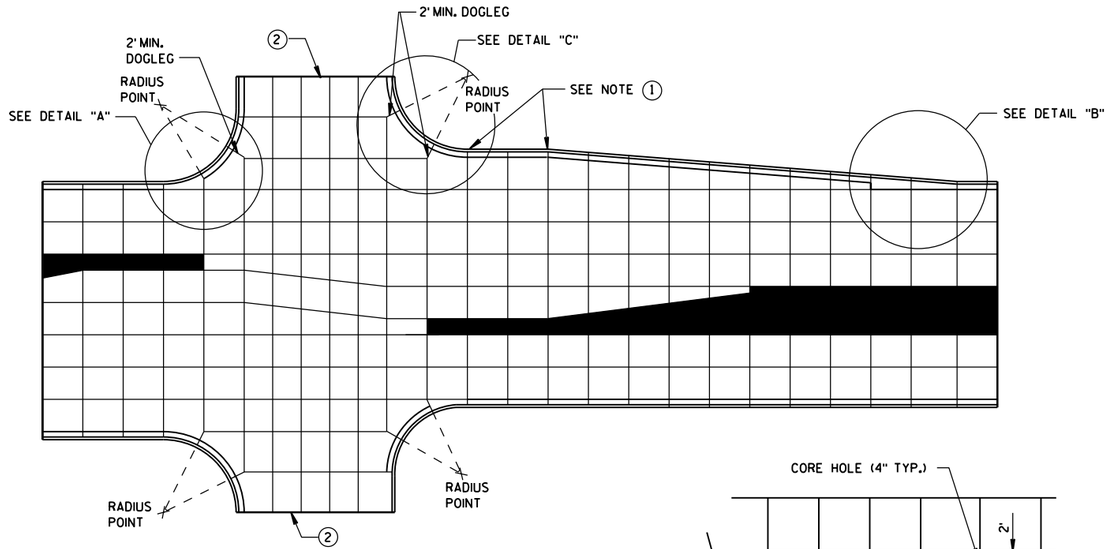
AVOID SLABS LESS THAN 2 FEET WIDE OR GREATER THAN 15 FEET WIDE.

SEE TABLE FOR TRANSVERSE JOINT SPACING. JOINT SPACING SPECIFIED IS MAXIMUM AND ACTUAL SPACING CAN BE ADJUSTED TO ACCOMMODATE INTERSECTIONS.

AVOID ANGLES LESS THAN 60° BY DOGLEGGING JOINTS THROUGH CURVE RADIUS POINTS. USE 90° ANGLES WHEN POSSIBLE.

CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

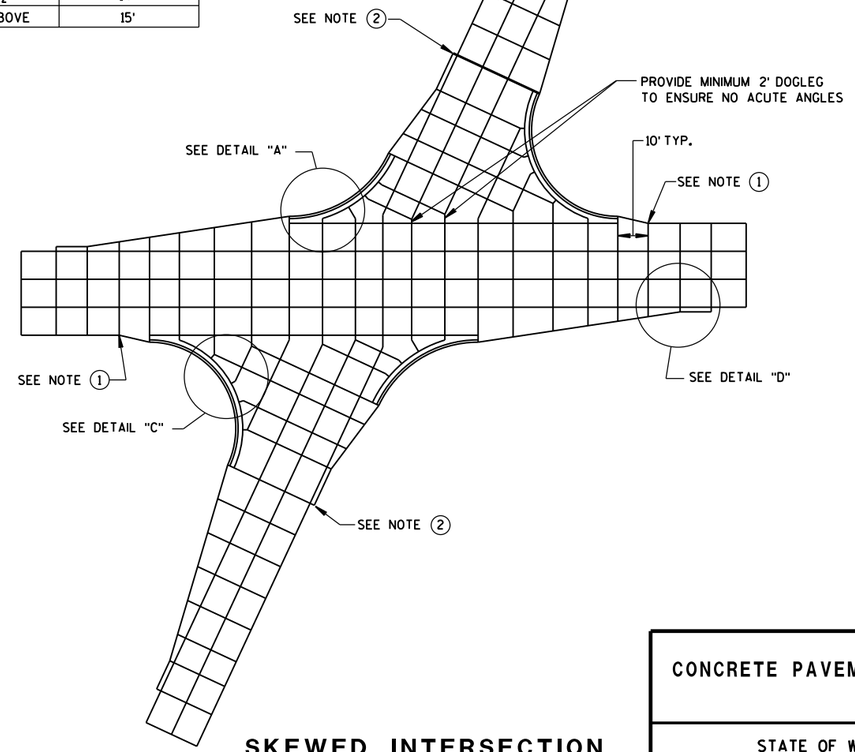
1. PROVIDE TRANSVERSE JOINTS AT ALL PAVEMENT WIDTH CHANGES.
2. CONSTRUCT DOWELED EXPANSION JOINT ON THE SIDE ROAD OF AN INTERSECTION IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH. ALIGN EXPANSION JOINT WITH EDGE OF RADIUS.
3. THE ENGINEER MAY APPROVE SLIGHT VARIATIONS FROM THESE JOINTING DETAILS.



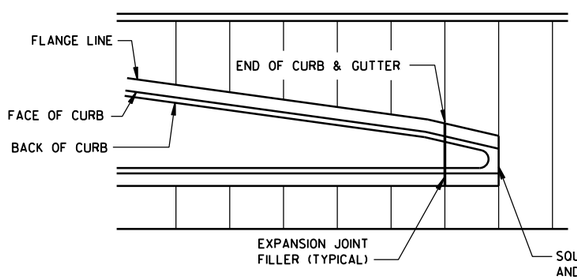
STANDARD INTERSECTION

PAVEMENT DEPTH AND JOINT SPACING TABLE

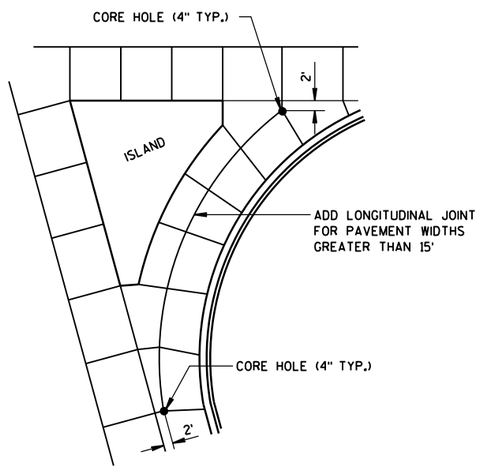
PAVEMENT DEPTH (D)	CONTRACTION JOINT SPACING
6", 6½"	12'
7", 7½"	14'
8" & ABOVE	15'



SKEWED INTERSECTION



APPROACH TO MEDIAN



LARGE RIGHT TURN

CONCRETE PAVEMENT JOINTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

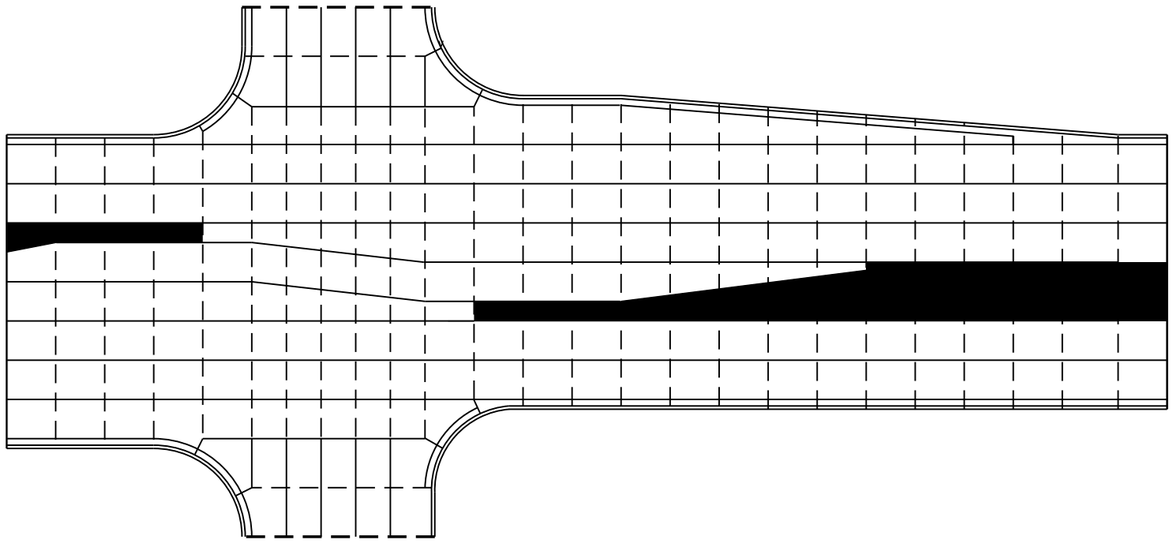
6
S.D.D. 13 C 18-2a

LEGEND

POTENTIAL DOWELED EXPANSION JOINT

DOWELED JOINT

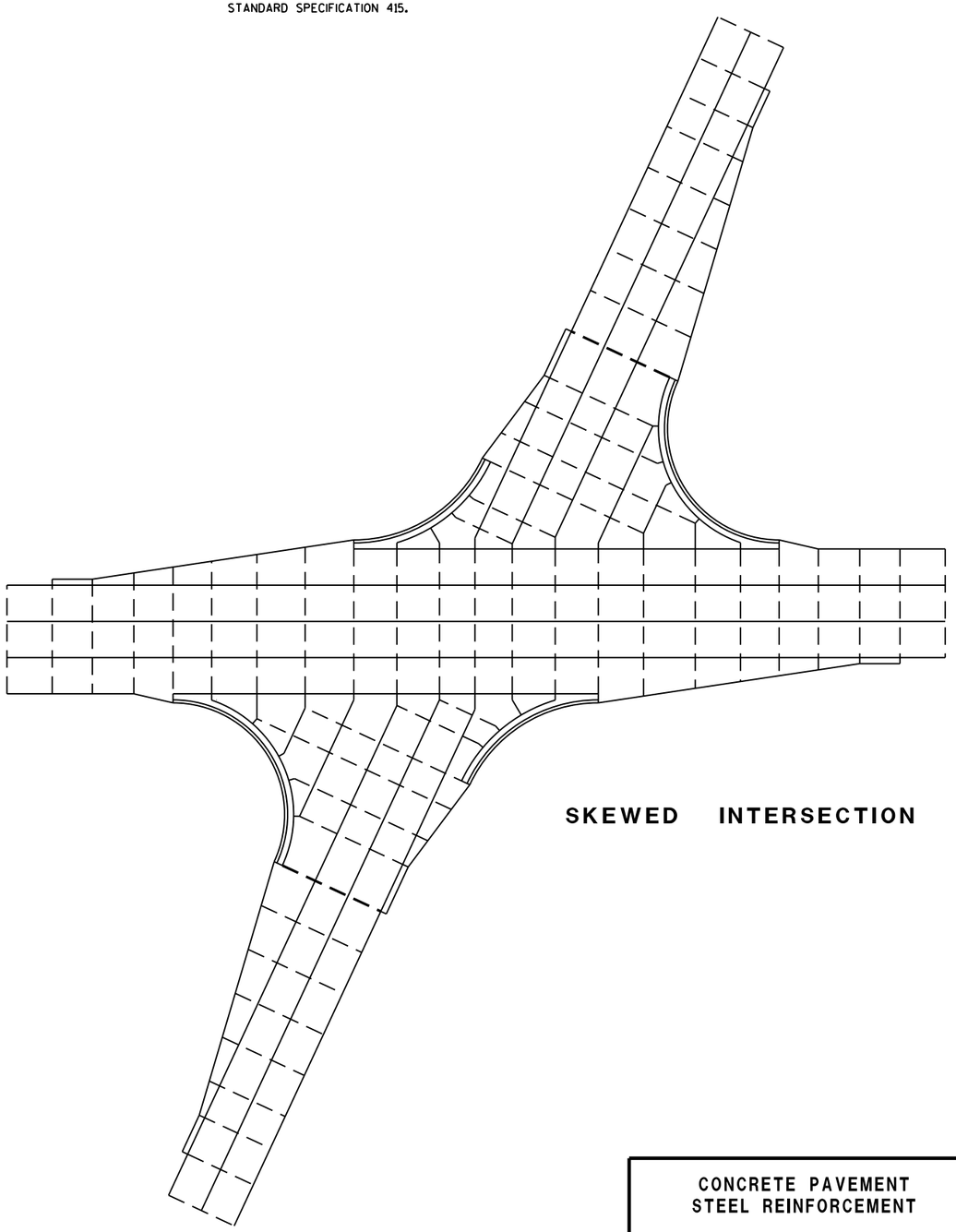
TIED JOINT



STANDARD INTERSECTION

GENERAL NOTES

USE AN EXPANSION JOINT FILLER MEETING THE REQUIREMENTS OF STANDARD SPECIFICATION 415.



SKEWED INTERSECTION

6

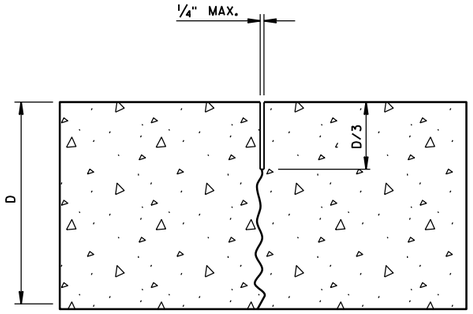
S.D.D. 13 C 18-2b

CONCRETE PAVEMENT
STEEL REINFORCEMENT

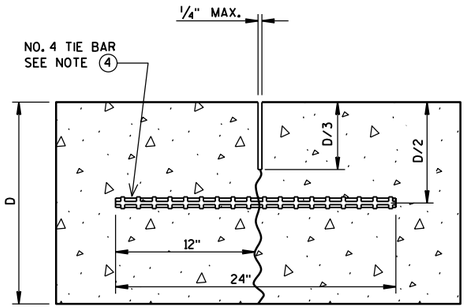
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

S.D.D. 13 C 18-2b



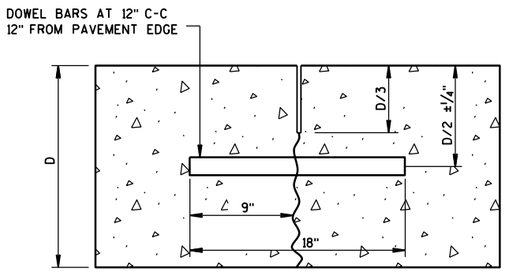
UNDOWELED-TRANSVERSE



TIED LONGITUDINAL

GENERAL NOTES

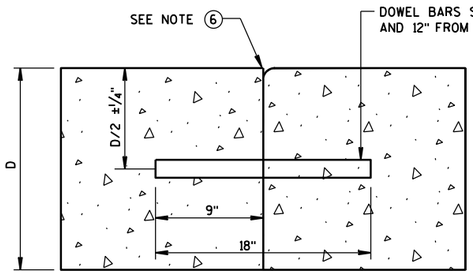
1. USE DOWELED EXPANSION JOINTS ON SIDE ROADS AT INTERSECTIONS (TO ISOLATE THE SIDE ROAD FROM THE THROUGH STREET) IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH.
2. SPACE CONTRACTION JOINTS IN ACCORDANCE WITH 13C4, 13C11 OR 13C13.
3. LOCATE CONSTRUCTION JOINTS A MINIMUM OF 6 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO CONTRACTION JOINTS.
4. SPACE TIE BARS AT LONGITUDINAL CONSTRUCTION OR CONTRACTION JOINTS IN ACCORDANCE WITH SDD 13C1.
5. CONSTRUCTION JOINTS CAN BE FORMED OR SAWED.
6. IF JOINT IS FORMED, PROVIDE A 1/4-INCH RADIUS.



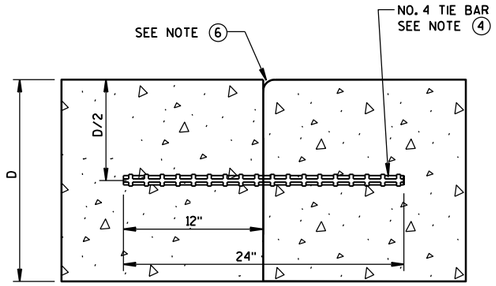
DOWELED-TRANSVERSE

CONTRACTION JOINTS

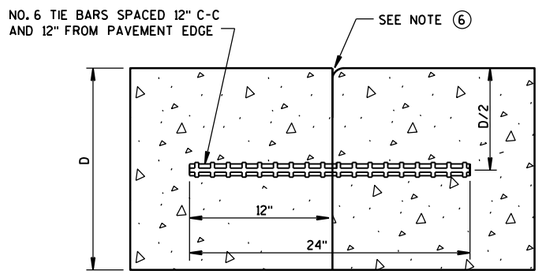
SEE NOTE (2)



DOWELED TRANSVERSE

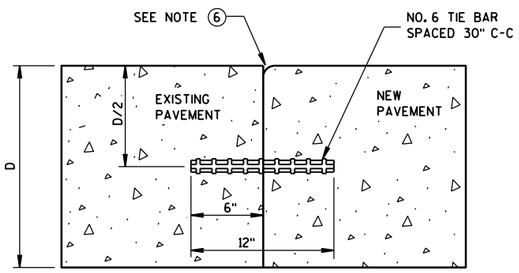


TIED LONGITUDINAL



TIED TRANSVERSE

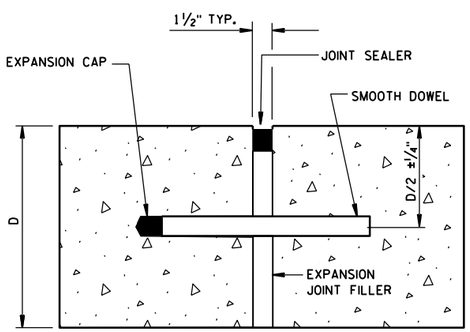
(FOR USE ON NON-DOWELED PAVEMENTS ONLY)



TIED LONGITUDINAL TO EXISTING

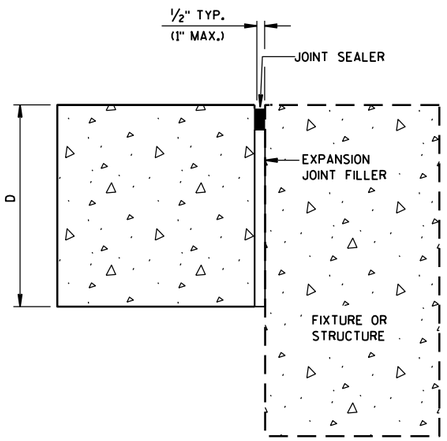
CONSTRUCTION JOINTS

SEE NOTE (5)



DOWELED-TRANSVERSE

SEE NOTE (1)



UNTIED-LONGITUDINAL

EXPANSION JOINTS

CONCRETE PAVEMENT
JOINT TYPES

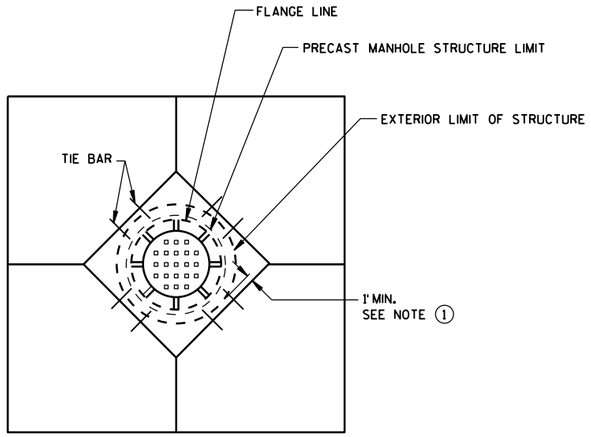
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

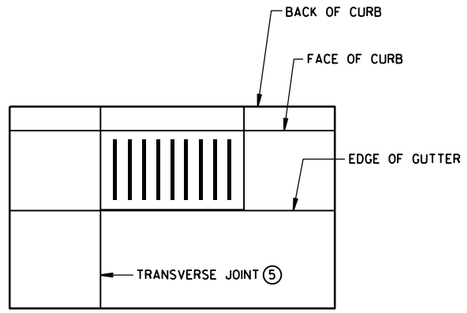
S.D.D. 13 C 18-2c

6

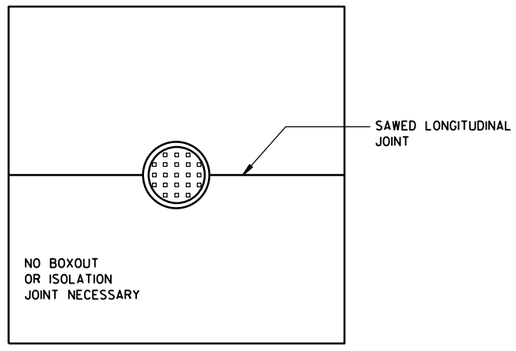
S.D.D. 13 C 18-2c



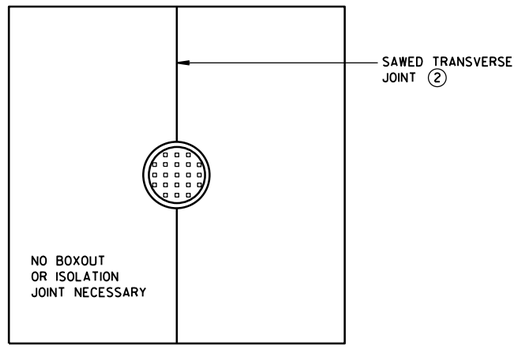
DIAGONAL MANHOLE BOXOUT FOR CONSTRUCTION JOINTS



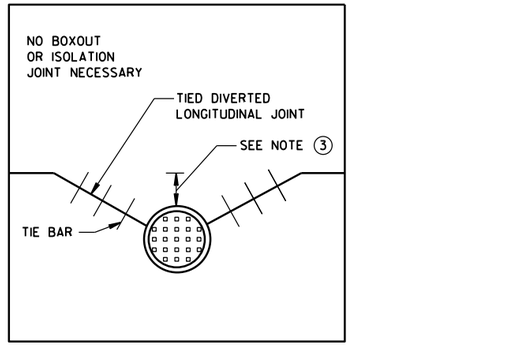
INLET WITH TRANSVERSE JOINT



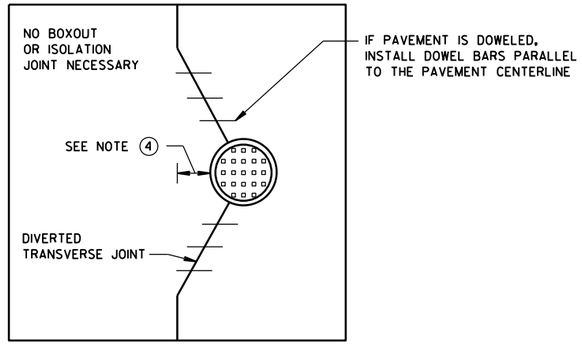
MANHOLE WITH LONGITUDINAL JOINT



MANHOLE WITH TRANSVERSE JOINT



MANHOLE WITH DIVERTED LONGITUDINAL CONTRACTION JOINT



MANHOLE WITH DIVERTED TRANSVERSE CONTRACTION JOINT

GENERAL NOTES

(1) USE BOXOUTS WHEN UTILITY STRUCTURE IS IN THE PATH OF CONSTRUCTION JOINTS. PROVIDE A 1-FOOT MINIMUM CLEARANCE BETWEEN THE EXTERIOR LIMIT OF THE STRUCTURE TO THE DIAMOND BOXOUT.

(2) ADJUST TRANSVERSE JOINT TO INTERSECT MANHOLE IF POSSIBLE.

(3) IF DISTANCE BETWEEN THE LONGITUDINAL JOINT AND THE EDGE OF MANHOLE IS 2 FEET OR LESS, DIVERT THE LONGITUDIAL JOINT AT A 2:1 TAPER RATE TO THE CENTER OF THE MANHOLE. IF THE DISTANCE IS GREATER THAN 2 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REBAR REINFORCEMENT AROUND THE MANHOLE.

(4) IF DISTANCE FROM THE EDGE OF THE MANHOLE TO THE NEAREST TRANSVERSE JOINT IS 4 FEET OR LESS, REDIRECT JOINT TO INTERSECT THE CENTER OF THE MANHOLE. IF DISTANCE IS GREATER THAN 4 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REBAR REINFORCEMENT AROUND THE MANHOLE.

(5) ALIGN TRANSVERSE JOINT WITH ONE EDGE OF INLET WHEN PRACTICAL.

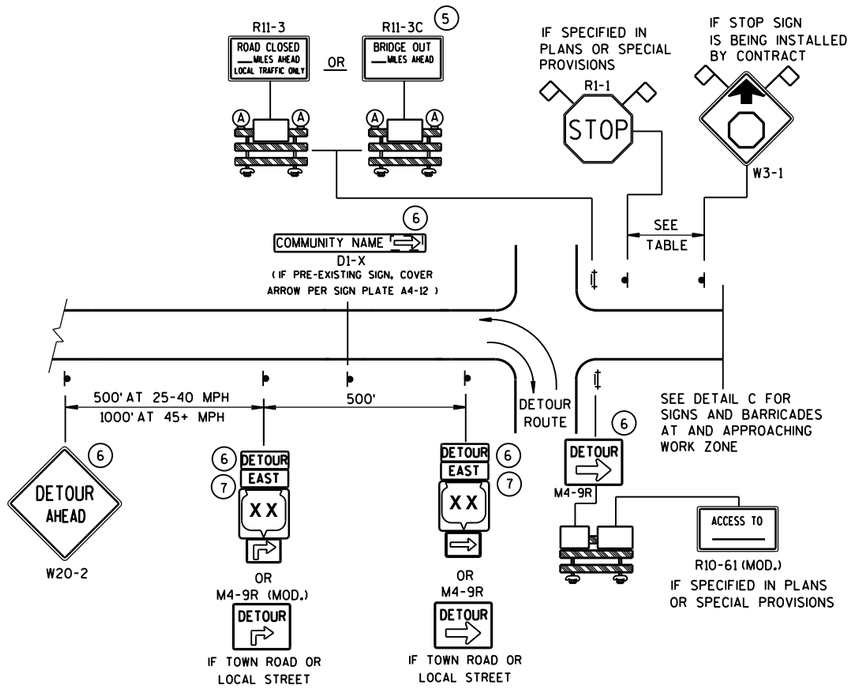
CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
5-3-2013 DATE
/S/ Deb Bischoff PAVEMENT POLICY & DE
NEER
FHWA

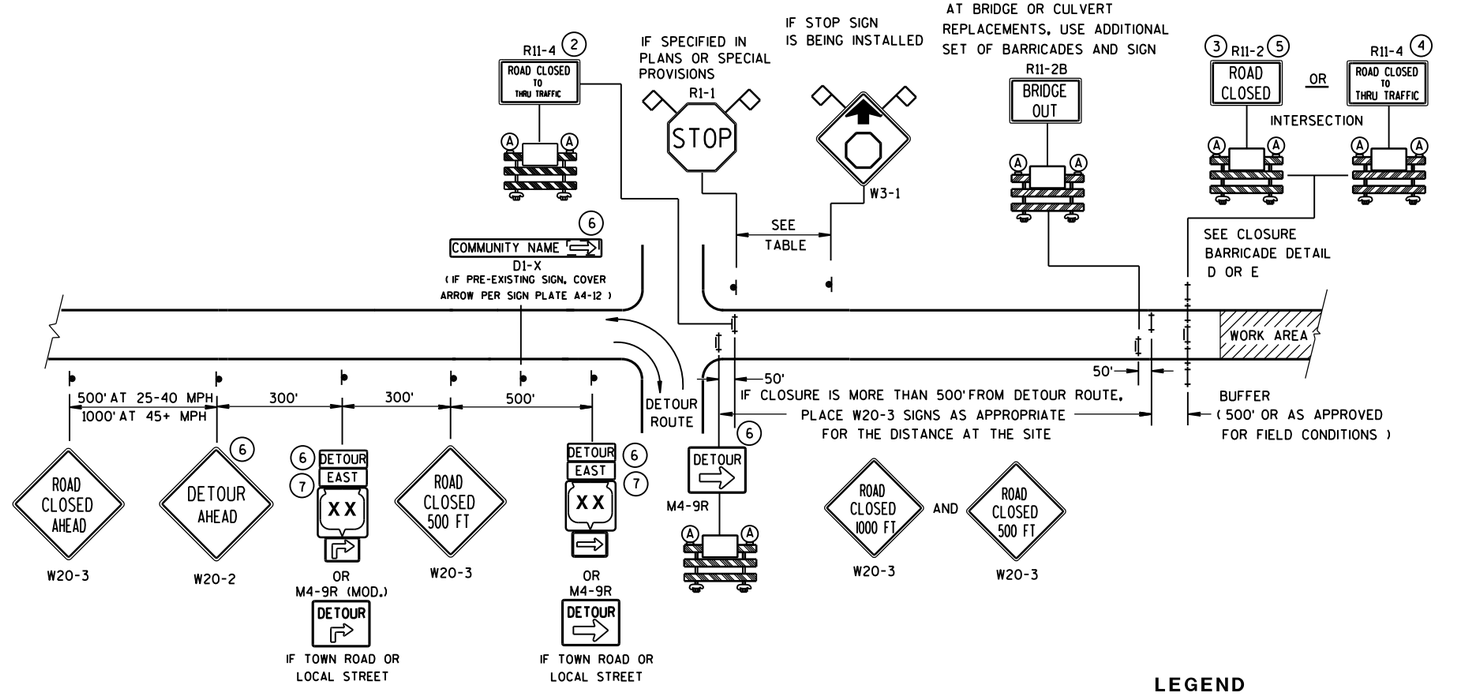
6

S.D.D. 13 C 18-2d



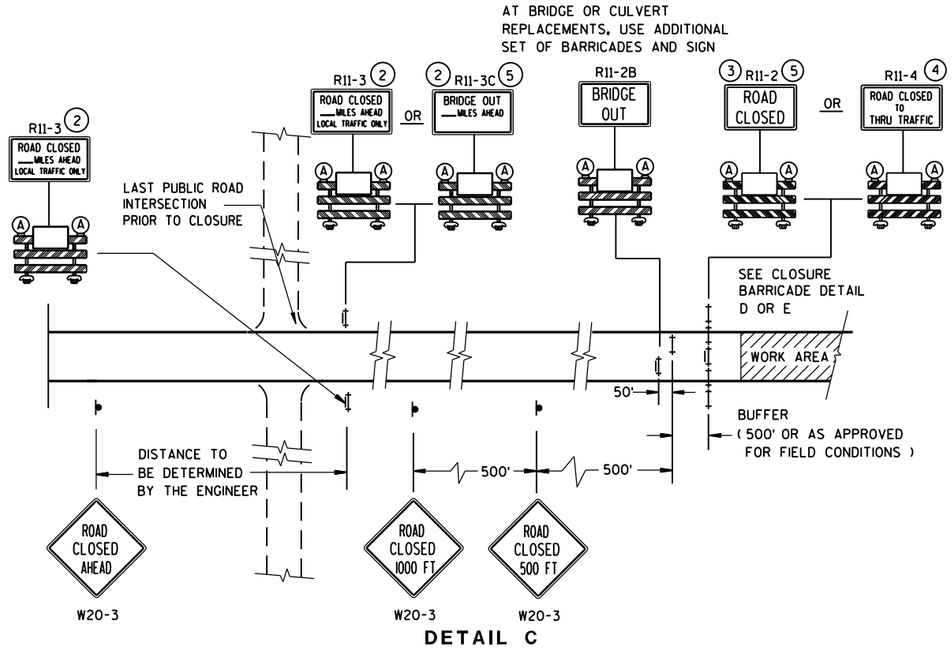
DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE GREATER THAN ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)



DETAIL B
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE LESS THAN ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)



DETAIL C
MAINLINE CLOSURE, NO POSTED DETOUR

SPEED LIMIT (MPH)	"STOP AHEAD" ADVANCE WARNING DISTANCE (FT)
25	200
30	200
35	350
40	350
45	500
50	550
55	750

SEE SDD 15C2-SHEET "**b**"
FOR GENERAL NOTES
AND FOOTNOTES (1) THROUGH (7)

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- (A) TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA
- DETOUR / EAST — M4-8 / M3-X
- XX — M1-4; COUNTY XX — M1-5A; XX — M1-6
- M05-1 OR M06-1
- FLAGS, 16" X 16" MIN., (ORANGE)

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

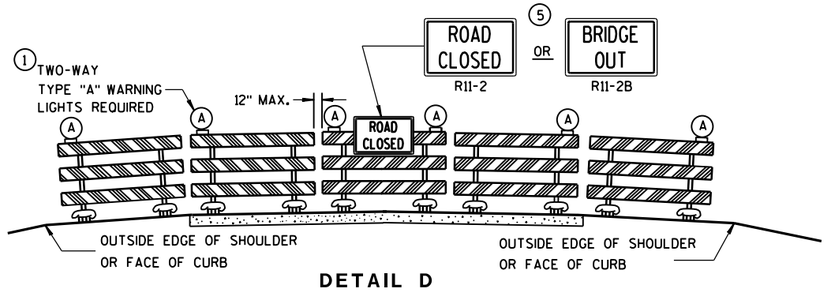
8/2013 DATE

/S/ Travis Feltes
STATE TRAFFIC ENGINEER

FHWA

6

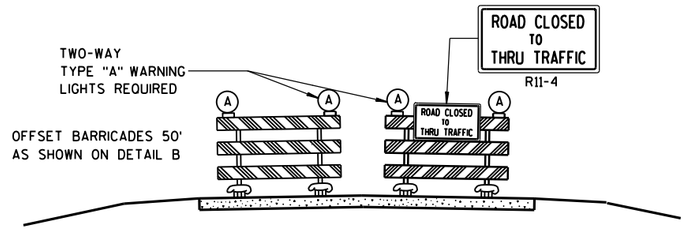
S.D.D. 15 C 2-5a



DETAIL D

ROAD CLOSURE BARRICADE DETAIL

APPROACH VIEW



DETAIL E

LANE CLOSURE BARRICADE DETAIL

APPROACH VIEW

SEE SDD 15C2-SHEET "**a**" FOR LEGEND

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION OR, FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL D FOR FULL ROAD CLOSURES.

TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11-2, R11-3, M4-9, R11-4 AND R10-61 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

"WO AND "MO" SIGNS ARE THE SAME AS "W" AND "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
- R11-2 SHALL BE 48" X 30".
- R11-3, R11-4 AND R10-61 SHALL BE 60" X 30".
- M4-9 SHALL BE 30" X 24".
- M3-X SHALL BE 24" X 12". (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS.)
- M4-8 SHALL BE 24" X 12". (30" X 15" IF NEEDED TO MATCH EXISTING SIGNS.)
- M1-4, M1-5A, AND M1-6 SHALL BE 24" X 24". (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS.)
- M05-1 AND M06-1 SHALL BE 21" X 21". (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS.)
- D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.
- R1-1 SHALL BE 36" X 36".

(1) TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8-FOOT LIGHT SPACING).

(2) THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT INTERSECTION.

(3) FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL D.

(4) FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE LANE CLOSURE BARRICADE DETAIL E.

(5) FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11-2 AND R11-3 SIGNS.

(6) INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS, PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE SIGNS AS SHOWN.

(7) "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

8/2013 — DATE
/S/ Travis Feltes — STATE TRAFFIC ENGINEER
FHWA

6

S.D.D. 15 C 2-5b

THIS DRAWING PROVIDES GENERAL GUIDANCE ON TYPICAL DETOUR SIGN LAYOUT AND SPACING. SEE PROJECT DETOUR SIGNING SHEETS FOR SPECIFIC DETAILS FOR EACH PROJECT.

GENERAL NOTES

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. MODIFY EXISTING SIGNS WHERE POSSIBLE.

THE SPACING BETWEEN TRAFFIC CONTROL AND DETOUR SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE", SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

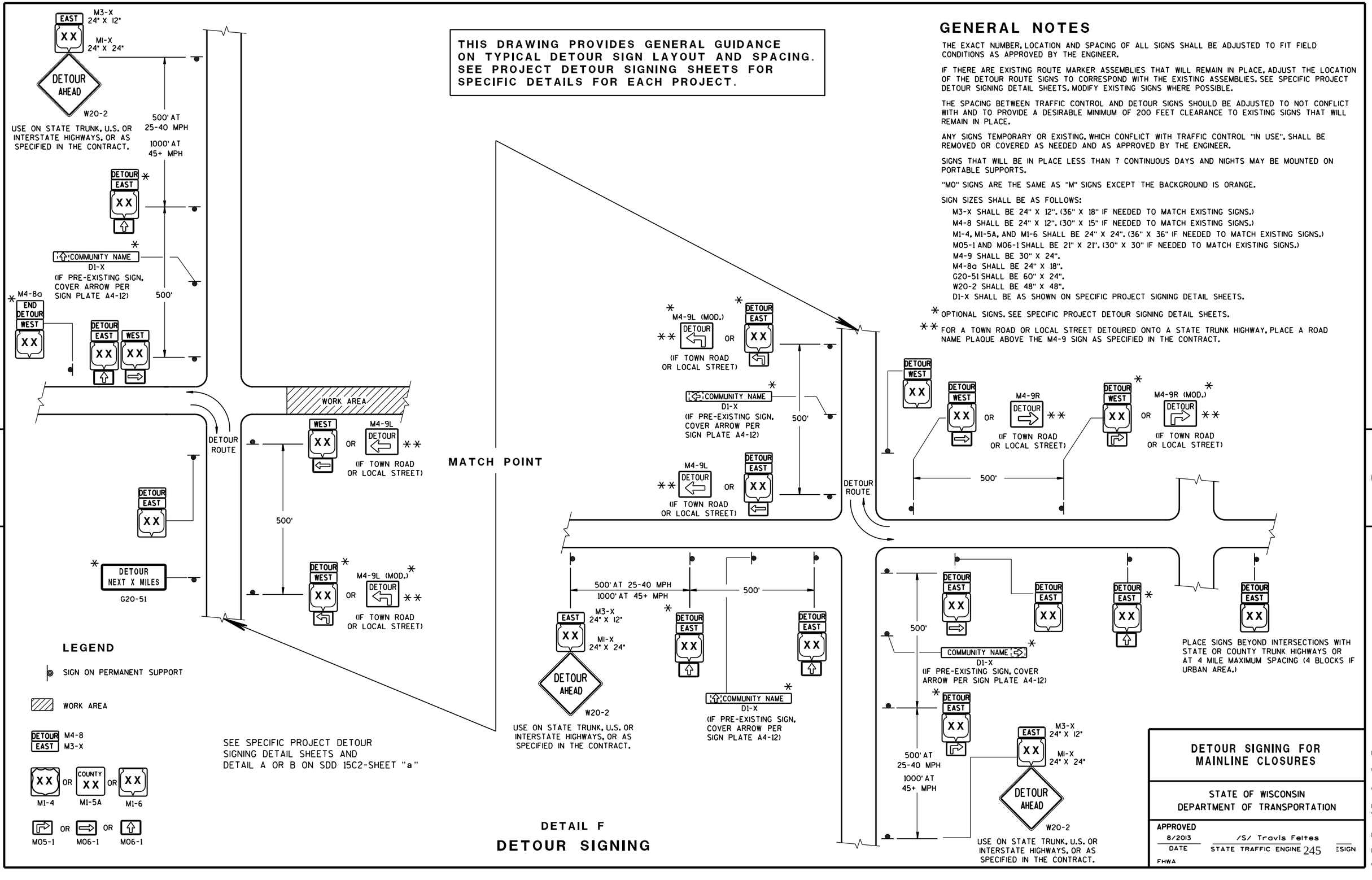
"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

SIGN SIZES SHALL BE AS FOLLOWS:

- M3-X SHALL BE 24" X 12". (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS.)
- M4-8 SHALL BE 24" X 12". (30" X 15" IF NEEDED TO MATCH EXISTING SIGNS.)
- M1-4, M1-5A, AND M1-6 SHALL BE 24" X 24". (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS.)
- MO5-1 AND MO6-1 SHALL BE 21" X 21". (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS.)
- M4-9 SHALL BE 30" X 24".
- M4-8a SHALL BE 24" X 18".
- G20-51 SHALL BE 60" X 24".
- W20-2 SHALL BE 48" X 48".
- D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.

* OPTIONAL SIGNS. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS.

** FOR A TOWN ROAD OR LOCAL STREET DETOURED ONTO A STATE TRUNK HIGHWAY, PLACE A ROAD NAME PLAQUE ABOVE THE M4-9 SIGN AS SPECIFIED IN THE CONTRACT.



LEGEND

- SIGN ON PERMANENT SUPPORT
- WORK AREA
- DETOUR EAST — M4-8 / M3-X
- XX OR COUNTY XX OR XX — M1-4 / M1-5A / M1-6
- MO5-1 OR MO6-1 OR MO6-1

SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS AND DETAIL A OR B ON SDD 15C2-SHEET "a"

DETAIL F

DETOUR SIGNING

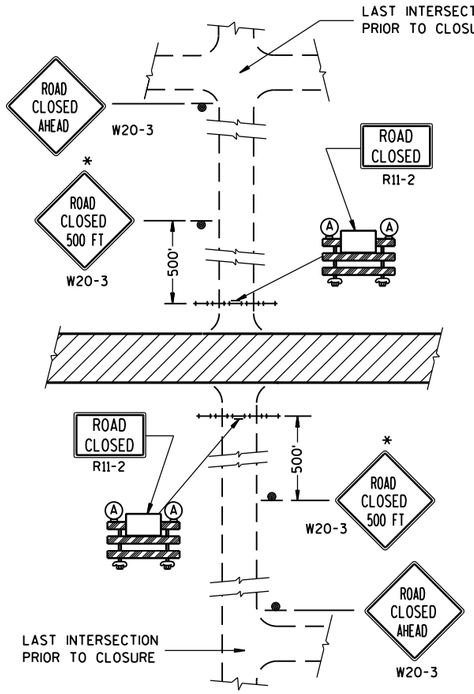
DETOUR SIGNING FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
8/2013 — DATE
/S/ Travis Feltes — STATE TRAFFIC ENGINEER
FHWA

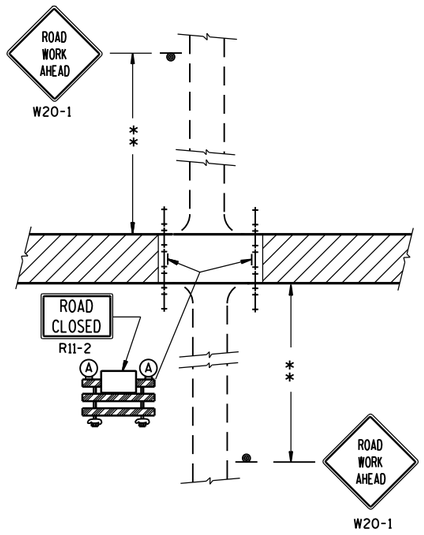
S.D.D. 15 C 2-5c

S.D.D. 15 C 2-5c



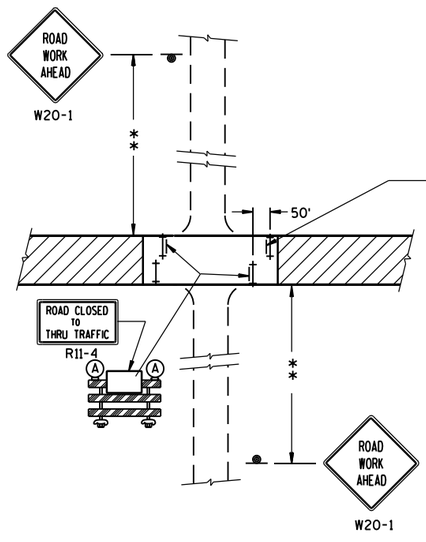
DETAIL 1

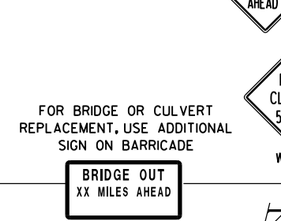
(NO ACCESS TO PROJECT)



DETAIL 2

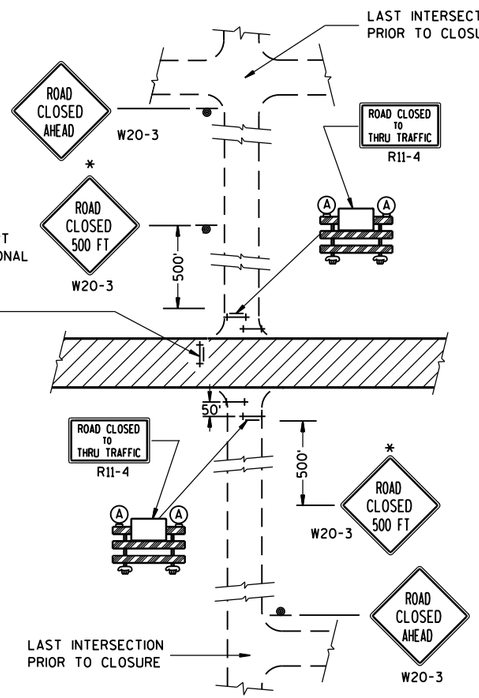
(PUBLIC CROSS-TRAFFIC MAINTAINED. NO ACCESS TO PROJECT).





DETAIL 3

(PUBLIC CROSS-TRAFFIC MAINTAINED. CONTRACTOR, LOCAL BUSINESS AND RESIDENT ACCESS).



DETAIL 4

(CONTRACTOR, LOCAL BUSINESS AND RESIDENT ACCESS TO PROJECT)

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS RE-ESTABLISHED.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION OR, FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL D FOR FULL ROAD CLOSURES.

TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11-2, R11-3 AND R11-4 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
R11-2 SHALL BE 48" X 30".
R11-4 AND R11-3 SHALL BE 60" X 30".

*OMIT THE "ROAD CLOSED 500 FT." SIGN IF THE LAST INTERSECTION IS 500 FT. OR LESS FROM THE WORK ZONE.

**500' MAX. OR AT LAST INTERSECTION WHICHEVER IS CLOSER.

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- (A) TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA

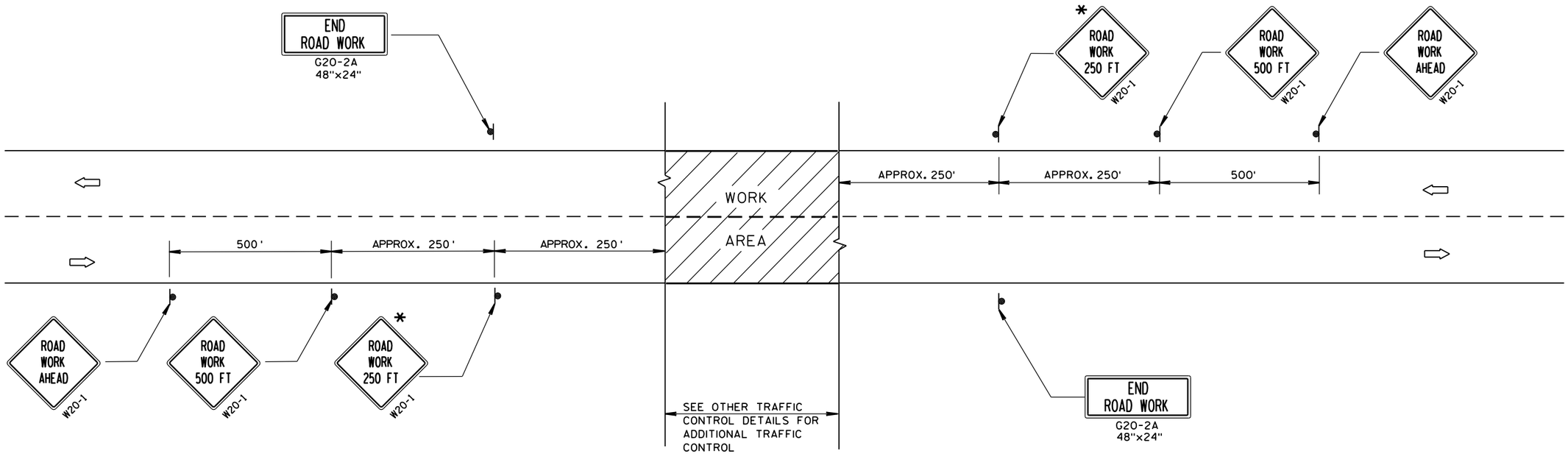
BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

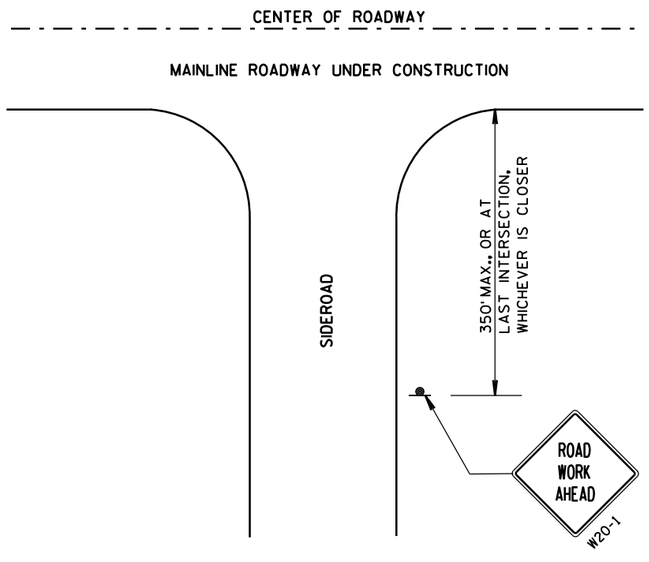
APPROVED
8/2013 — DATE
/S/ Travis Feltes — STATE TRAFFIC ENGINEER
FHWA

6

S.D.D. 15 C 3-2



TYPICAL SIDEROAD APPROACH WARNING SIGN DETAIL



GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS, 36"x36" SIGNS MAY BE USED INSTEAD OF 48"x48" SIGNS.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS RE-ESTABLISHED.

* THE THIRD W20-1 SIGN IS REQUIRED ONLY IF THERE IS AN INTERSECTION BETWEEN THE "ROAD WORK 500 FT" SIGN AND THE WORK ZONE. ADJUST THE PLACEMENT OF THIS SIGN BASED ON INTERSECTION LOCATION AND OTHER FIELD CONDITIONS.

LEGEND

- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- WORK AREA

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

8/2013 — DATE

/S/ Travis Feltes — STATE TRAFFIC ENGINEER

247 — SIGN

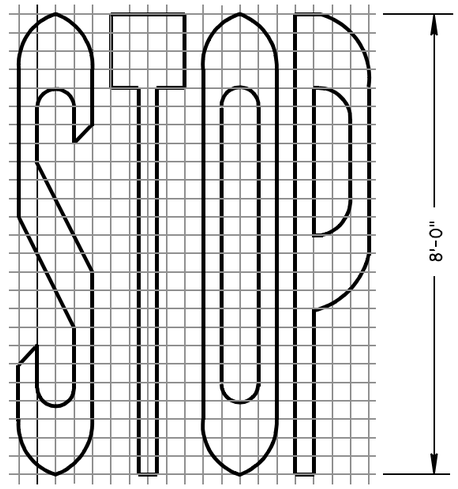
FHWA

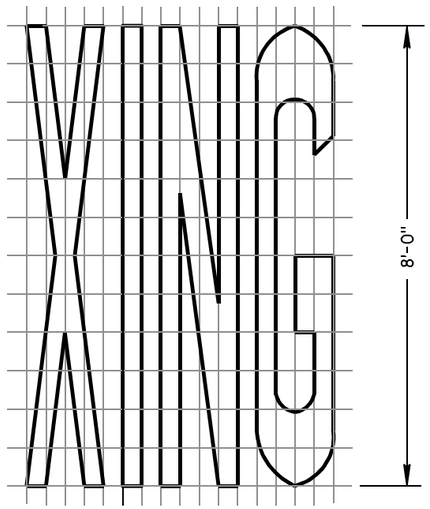
6
S.D.D. 15 C 5-2

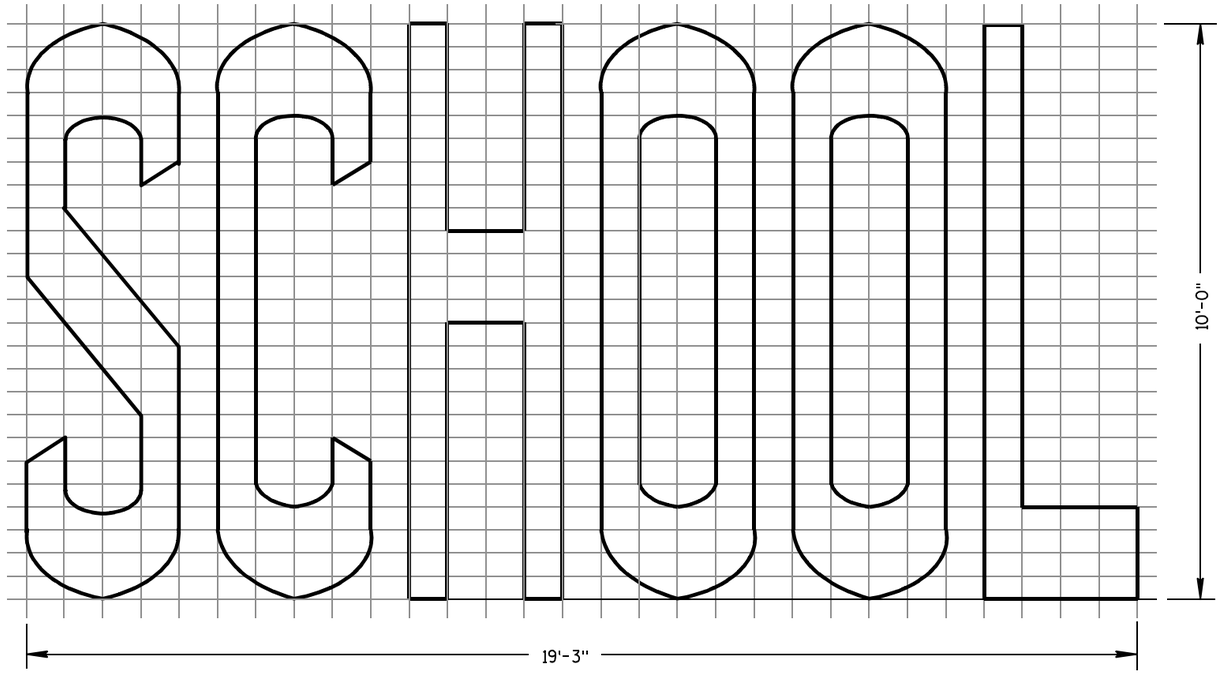
GENERAL NOTES

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

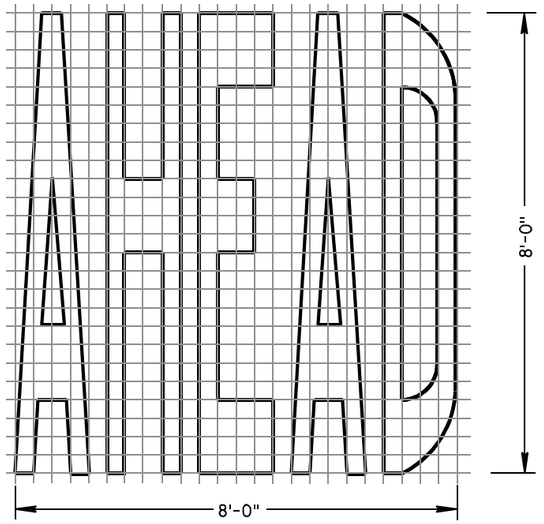
ALL LETTERS, ARROWS AND SYMBOLS SHALL BE IN CONFORMANCE WITH REQUIREMENTS INCLUDED IN "STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKING" BOOK BY THE FEDERAL HIGHWAY ADMINISTRATION. ALL LETTERS, ARROWS AND SYMBOLS SHALL BE WHITE AND REFLECTORIZED. SMALL DIFFERENCES IN DIMENSIONS WITHIN THE TOLERANCES OF THAT BOOK ARE ACCEPTABLE.

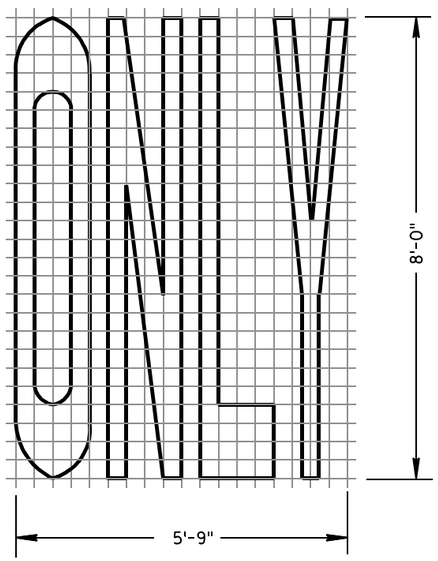


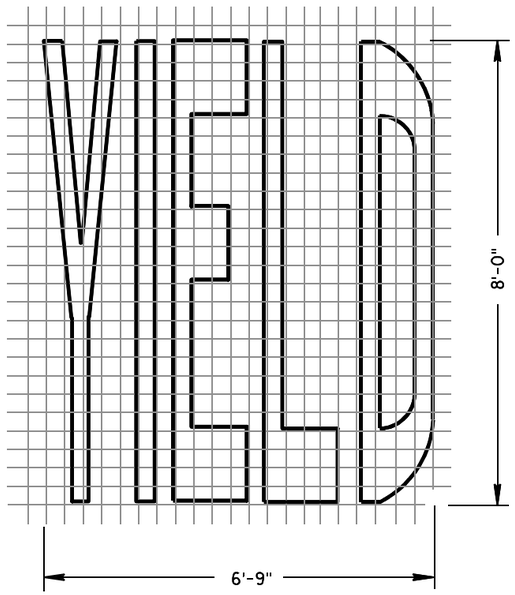


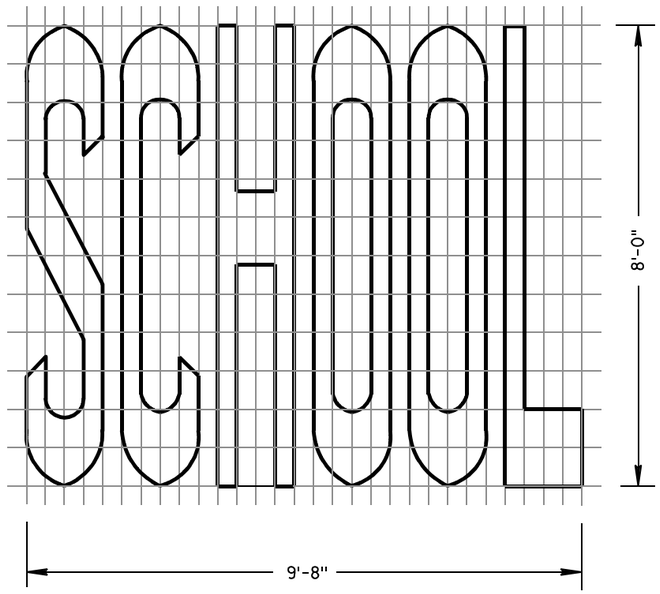


TWO-LANE









SINGLE-LANE

PAVEMENT MARKING WORDS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7-1-11 DATE — /S/ Thomas N. Nothohm STATE TRAFFIC ENGINEER

FHWA

IGN

6

S.D.D. 15 C 7-12b

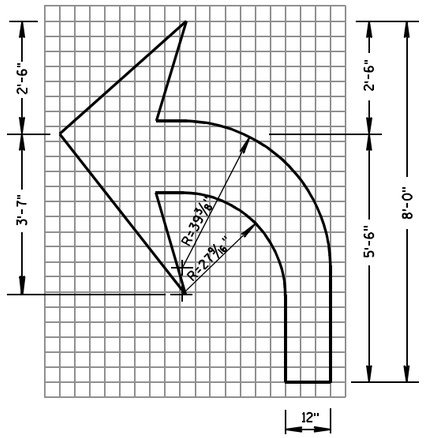
6

S.D.D. 15 C 7-12b

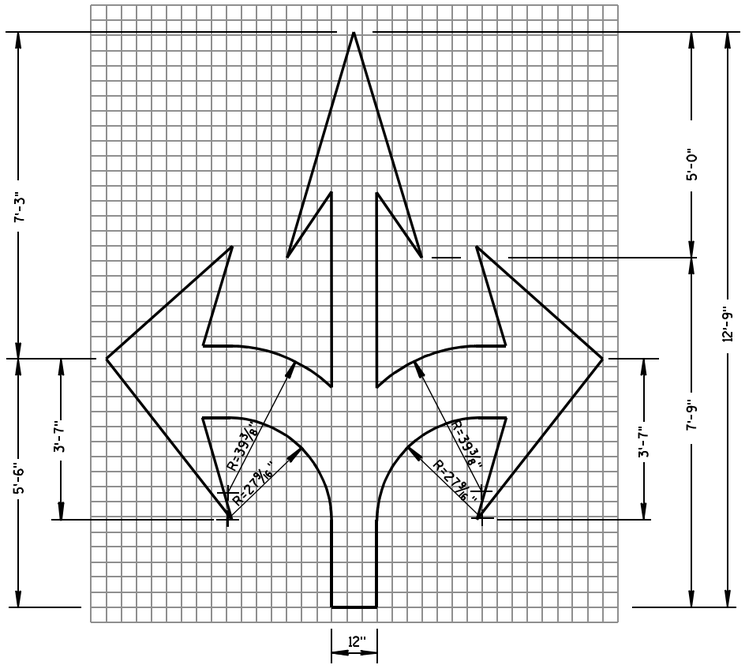
GENERAL NOTES

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

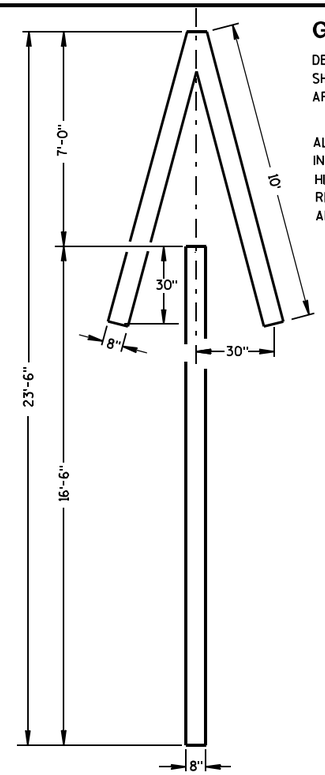
ALL LETTERS, ARROWS AND SYMBOLS SHALL BE IN CONFORMANCE WITH REQUIREMENTS INCLUDED IN "STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKING" BOOK BY THE FEDERAL HIGHWAY ADMINISTRATION. ALL LETTERS, ARROWS AND SYMBOLS SHALL BE WHITE AND REFLECTORIZED. SMALL DIFFERENCES IN DIMENSIONS WITHIN THE TOLERANCES OF THAT BOOK ARE ACCEPTABLE.



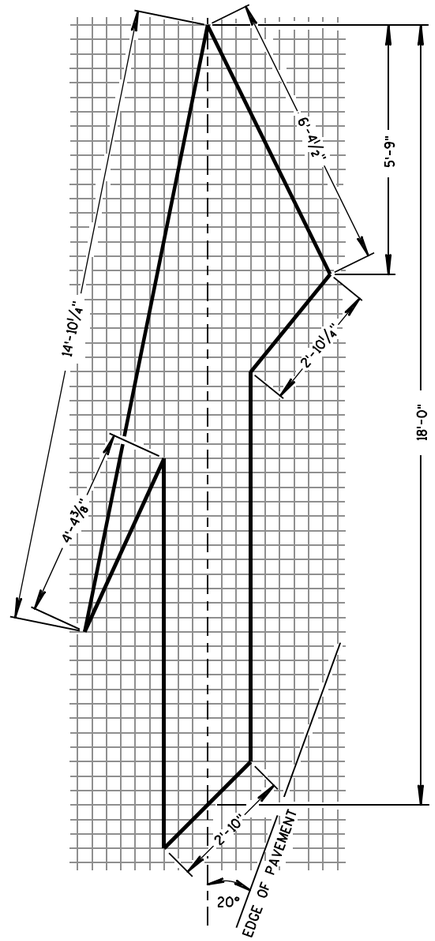
TYPE 2



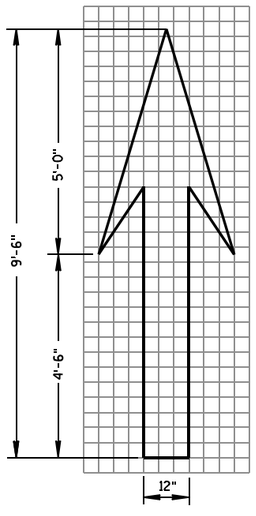
TYPE 6



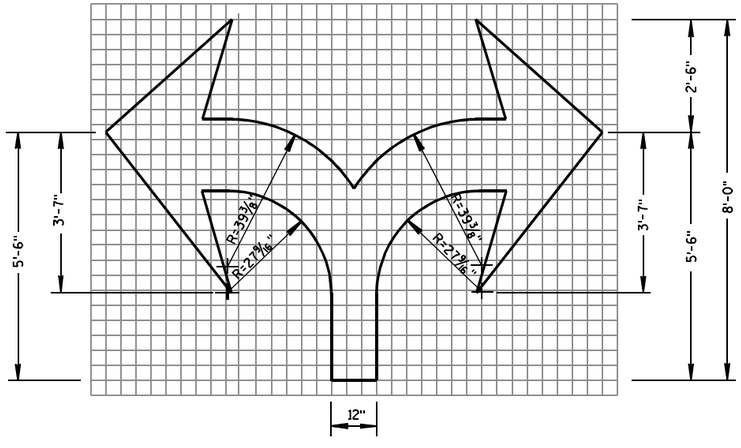
TYPE 4



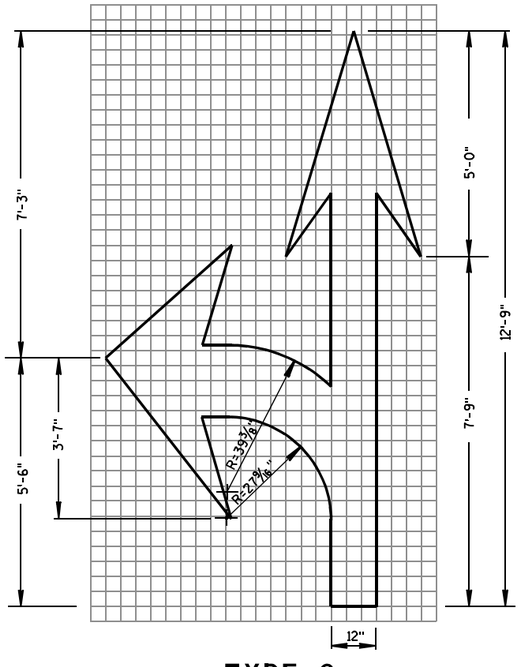
TYPE 5 LANE DROP ARROW



TYPE 1



TYPE 7



TYPE 3

PAVEMENT MARKING ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

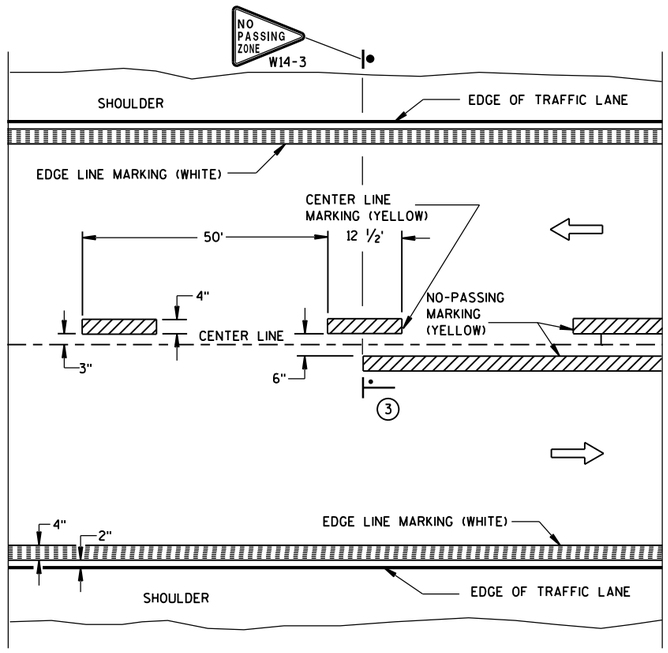
7/1/11 — DATE

/S/ Thomas N. Nothdurft — STATE TRAFFIC ENGINEER

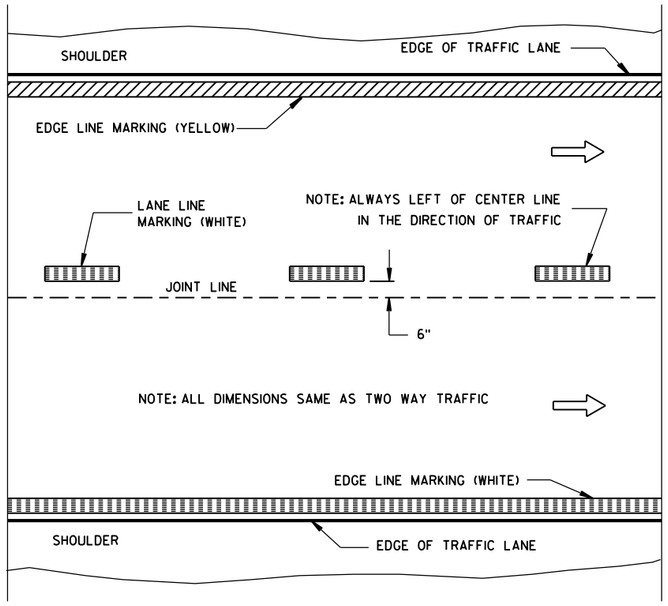
FHWA

6

S.D.D. 15 C 7-12c

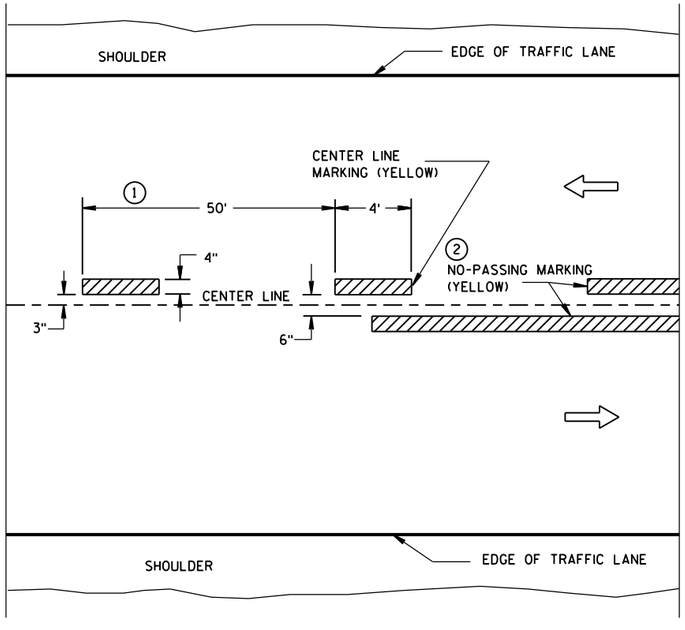


TWO WAY TRAFFIC

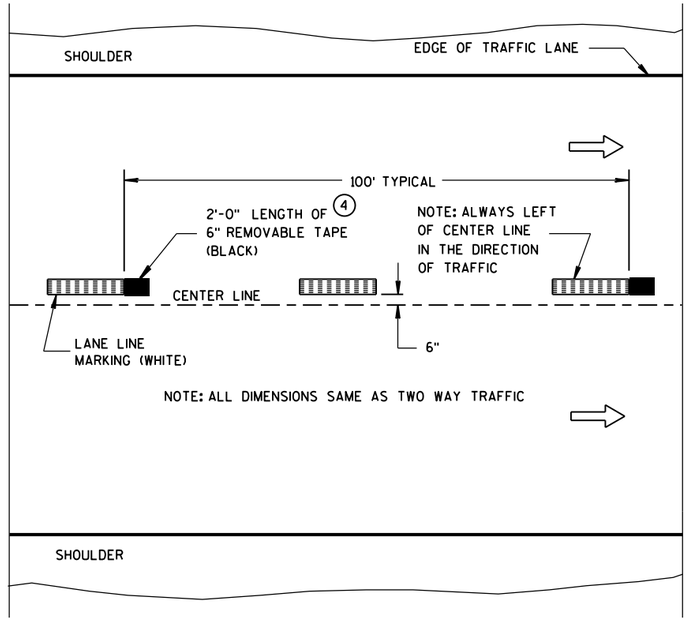


ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING



TWO WAY TRAFFIC



ONE WAY TRAFFIC

TEMPORARY (INTERMEDIATE) PAVEMENT MARKING

(SHOWS CYCLE FOR TEMPORARY CENTER LINE OR TEMPORARY LANE LINE MARKING)

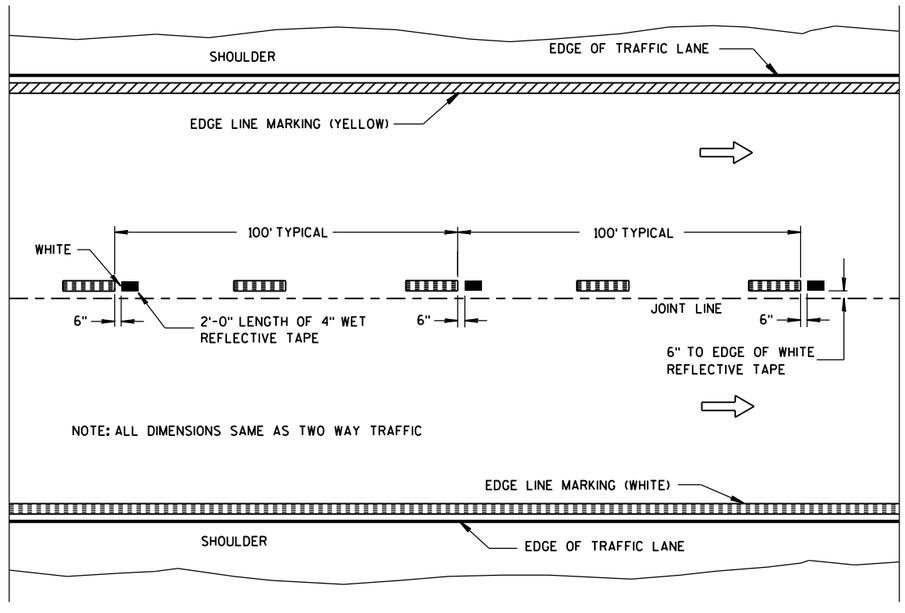
GENERAL NOTES

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

1. HALF CYCLE LENGTHS (25'±) WITH 2' MINIMUM STRIPE LENGTHS SHALL BE PROVIDED ON ROADWAYS (INCLUDING TEMPORARY TRAVELED WAYS) WITH REVERSE CURVATURE, CURVATURE OF OVER 5 DEGREES OR WHEN DIRECTED BY THE ENGINEER TO MARK UNUSUAL ALIGNMENT OF THE TRAVELED WAY.
2. NO PASSING ZONE TEMPORARY PAVEMENT MARKING IS REQUIRED TO BE PLACED, WHERE APPROPRIATE, ALONG WITH CENTERLINE TEMPORARY PAVEMENT MARKING WHEN A SAME DAY PERMANENT PAVEMENT MARKING ITEM IS INCLUDED IN THE CONTRACT.
3. NO PASSING ZONE MARKINGS ARE PLACED ACCORDING TO "T" MARKINGS. IF EXISTING NO PASSING ZONE W14-3 SIGNS ARE BEYOND 50 FEET IN EITHER DIRECTION, THE SIGNS SHALL BE MOVED TO THE "T" MARKINGS.
4. CONCRETE ONLY.

NOTE

ARROW SYMBOL (⇨) SHOWS DIRECTION OF TRAVEL



WET REFLECTIVE TAPE SUPPLEMENT TO
SPRAYED OR NON WET REFLECTIVE TAPE LANE LINE

LEGEND

"T" MARKING

POST MOUNTED SIGN

PAVEMENT MARKING (MAINLINE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
5-13-2013 DATE
/S/ Travis Feltes STATE TRAFFIC E
FHWA

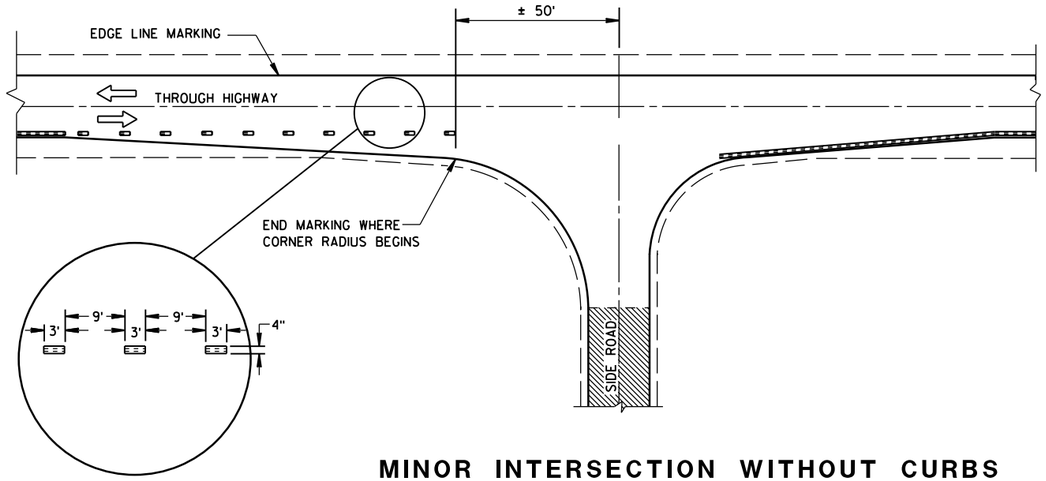
250

6

S.D.D. 15 C 8-16a

6

S.D.D. 15 C 8-16a



MINOR INTERSECTION WITHOUT CURBS

GENERAL NOTES

EDGE LINES SHALL BE OMITTED THROUGH INTERSECTIONS. EDGE LINES SHALL BE CONTINUED THROUGH DRIVEWAYS.

(1) WHEN DISTANCE "A" IS LESS THAN 250 FEET, OMIT LANE LINE.

(2) WHEN DISTANCE "B" IS LESS THAN 100 FEET, OMIT CHANNELIZING LANE LINE.

(3) ALTERNATIVE MARKING SHALL BE PROVIDED WHEN SPECIFIED IN THE CONTRACT. TYPICAL SITUATIONS WHERE THIS MARKING MAY BE REQUIRED ARE WHERE THE INTERSECTION IS ON A SHARP HORIZONTAL CURVE OR CREST VERTICAL CURVE IN AN UNLIGHTED AREA SUCH THAT THE EDGE LINE MAY BE MISLEADING TO THE MOTORIST OR DISAPPEAR FROM SIGHT.

(4) THE EDGE LINE IN THE TAPER AREAS OF THE BYPASS LANE AND THE BYPASS LANE SHALL BE LOCATED 1-FOOT FROM EDGE OF PAVEMENT TO THE OUTSIDE EDGE OF EDGE LINE.

(5) BARRIER LINE ENDS AT SIDE ROAD PAVEMENT/SURFACE EDGE EXTENSION.

(6) BARRIER LINE STARTS 500 FEET PRIOR TO THE BYPASS TAPER.

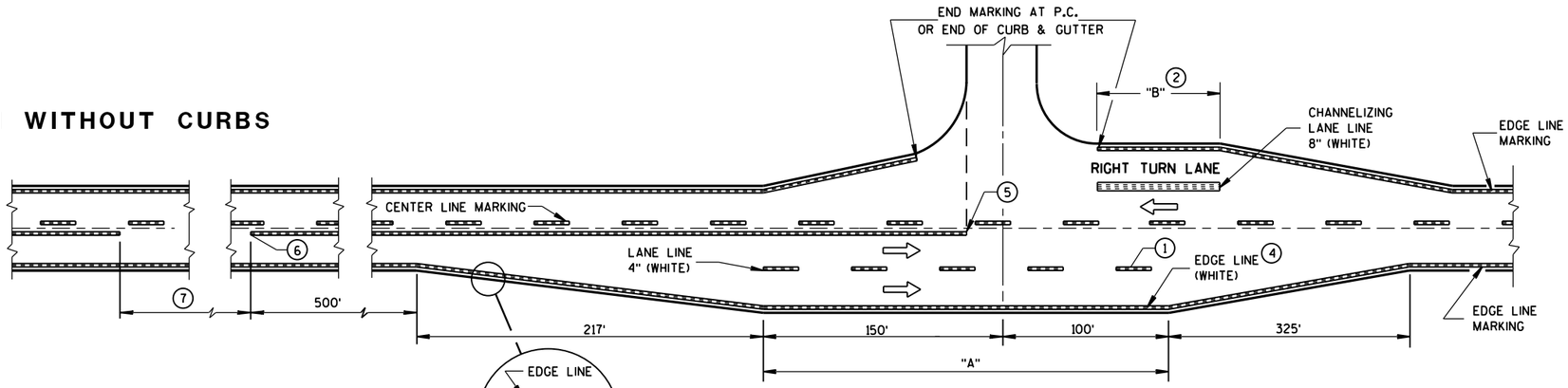
(7) IF THE DISTANCE BETWEEN 2 SUCCESSIVE NO-PASSING ZONES IS LESS THAN THE MINIMUM DISTANCE BETWEEN ZONES, CONNECT THE 2 ZONES.

(8) 3' LINE 9' GAP, EXCEPT RETRACE THE EXISTING LINE - GAP PATTERN WHERE EXISTING MARKINGS ARE IN PLACE.

ARROW SYMBOL (⇨) SHOWS DIRECTION OF TRAVEL

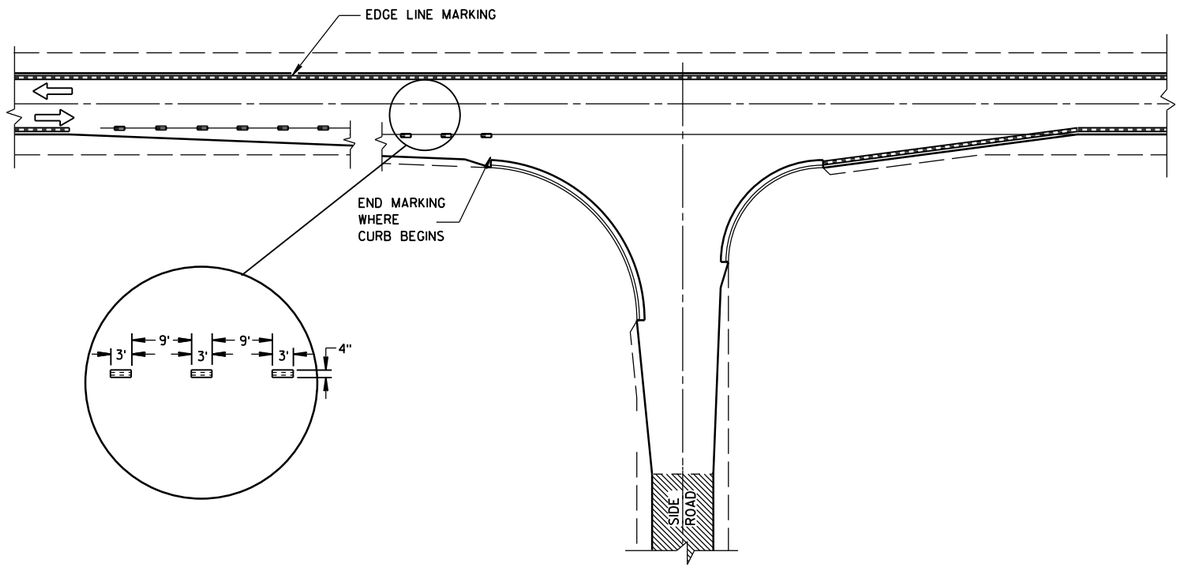
(7)

POSTED SPEED (MPH)	MINIMUM DISTANCE BETWEEN ZONES (FEET)
25 - 30	528
35 - 40	528
45 - 50	686
55	792



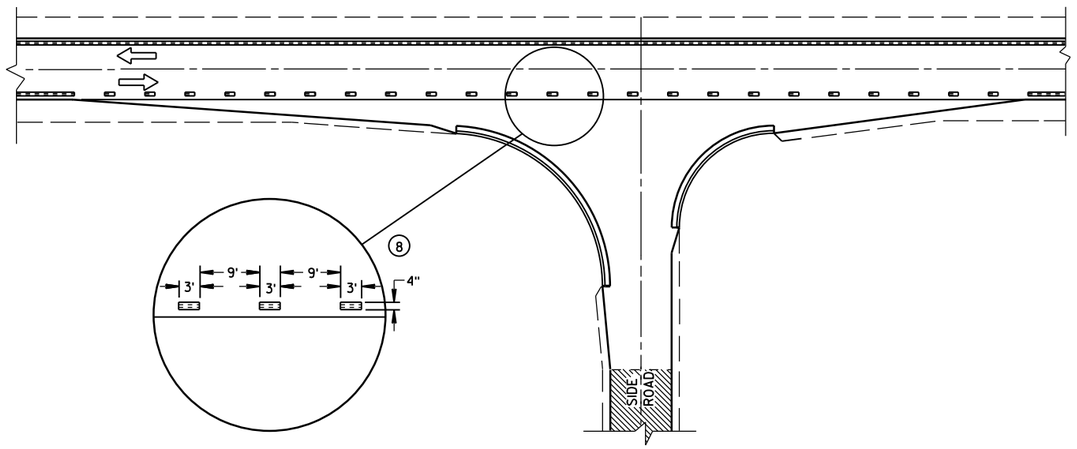
MAJOR INTERSECTIONS

(INTERSECTION WITH FULL RIGHT TURN LANE OR BYPASS LANES)



MINOR INTERSECTION WITH CURBS

(TYPICAL MARKING)



MINOR INTERSECTION WITH CURBS

(3) (FOR SPECIAL CONDITIONS AS SPECIFIED)

PAVEMENT MARKING
(INTERSECTIONS)

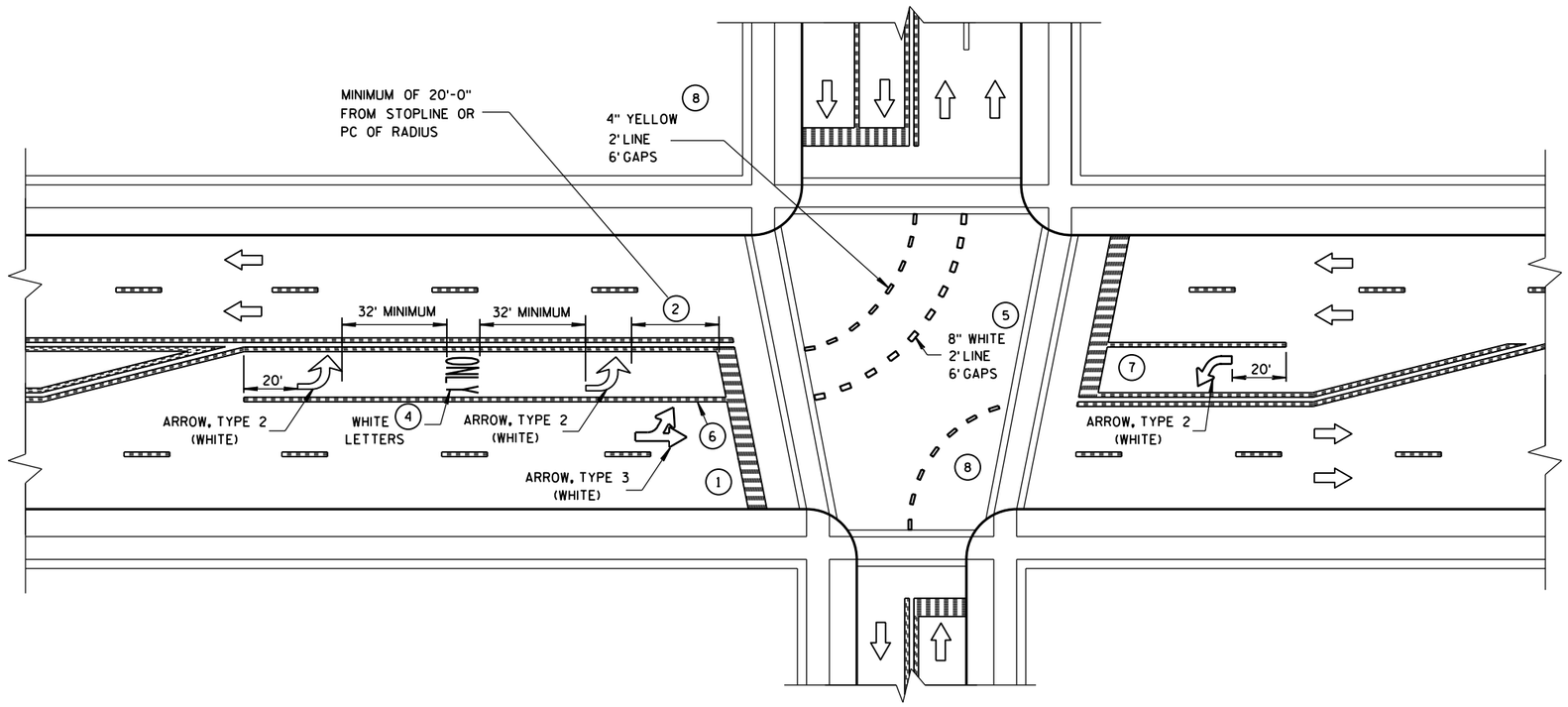
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR 251

6

S.D.D. 15 C 8-16b

6

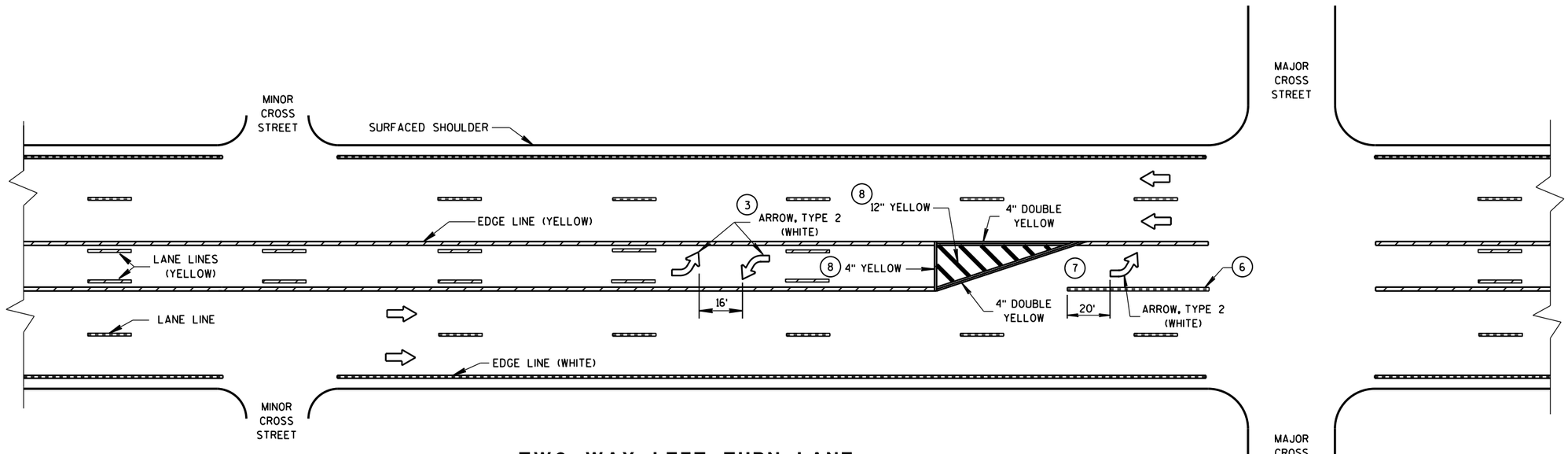
S.D.D. 15 C 8-16b



GENERAL NOTES

1. STOP BAR IS REQUIRED ONLY WHEN SPECIFIED IN THE CONTRACT.
2. DISTANCE MAY BE ADJUSTED TO ACCOMODATE SHORT LEFT TURN LANES. AS APPROVED BY THE ENGINEER.
3. A SET OF ARROWS IS REQUIRED EVERY 400 FEET OR NEAR INTERSECTIONS OR DRIVEWAYS WITH TURNING TRAFFIC.
4. ADD EXTRA SETS OF ONE ARROW AND ONE ONLY PER 160 FEET OR WHEN ON A CURVE.
5. 8" WHITE WITH 2' LINE 6' GAPS FOR DUAL TURN LANE.
6. 8" WHITE
7. ADD SECOND ARROW WHEN TURN BAY IS GREATER THAN OR EQUAL TO 108 FEET.
8. REQUIRED ONLY WHEN SPECIFIED IN THE CONTRACT.

NOTE:
ARROW SYMBOL (⇨)
SHOWS DIRECTION OF TRAVEL



TWO WAY LEFT TURN LANE

PAVEMENT MARKING (LEFT TURN LANE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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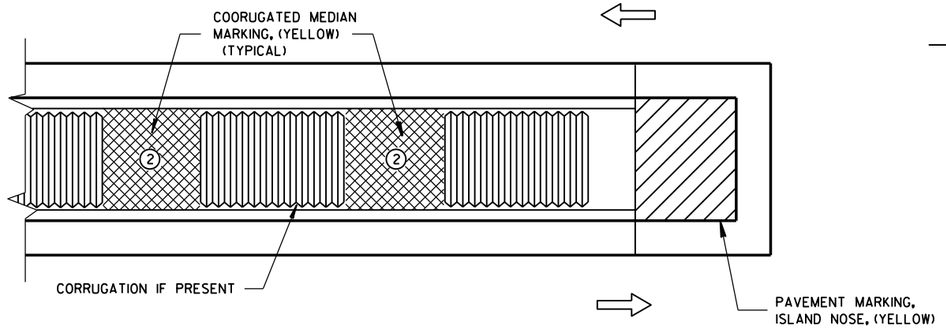
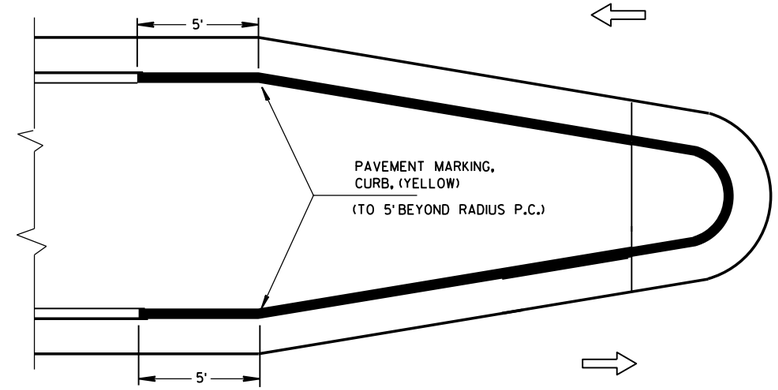
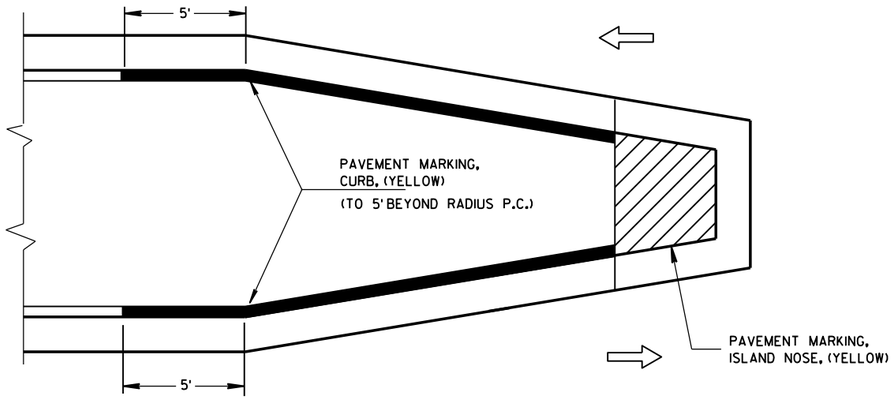


MEDIAN ISLAND WITH SQUARE BLUNT NOSE

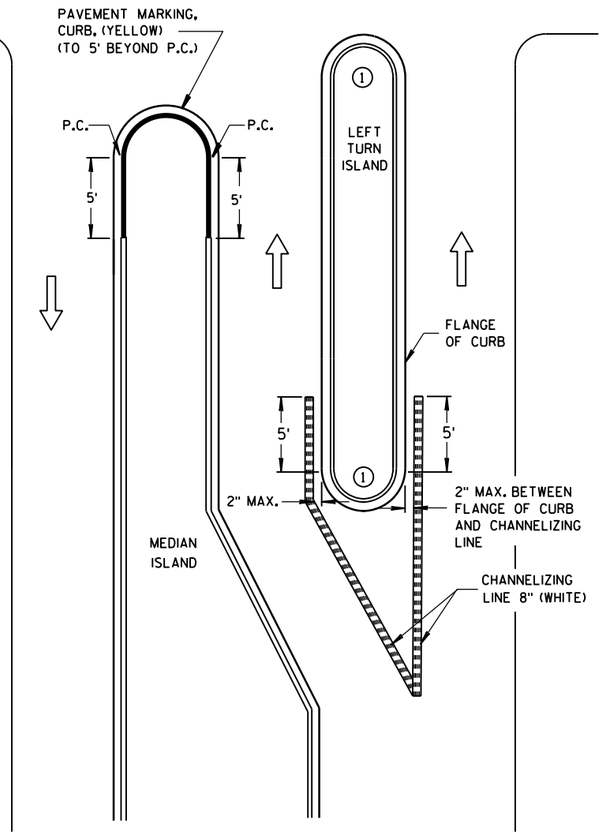


MEDIAN ISLAND WITH ROUND BLUNT NOSE



MEDIAN ISLAND WITH SLOPED NOSE

TYPICAL PLACEMENT OF PAVEMENT MARKING ON MEDIAN ISLANDS

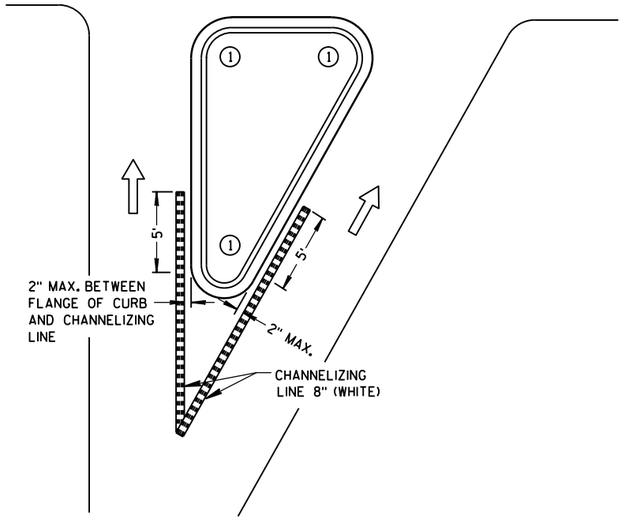


LEFT TURN & MEDIAN ISLAND

GENERAL NOTES

1. DO NOT MARK CURB NOSES THAT SEPARATE LANES OF TRAFFIC TRAVELING IN THE SAME DIRECTION.

2. WHEN CONCRETE CORRUGATED MEDIAN IS CONSTRUCTED TO SEPARATE TRAFFIC OPERATING IN THE OPPOSING DIRECTION YELLOW PAVEMENT MARKING SHALL BE APPLIED TO THE FLAT PORTION OF THE CONCRETE CORRUGATED MEDIAN. THE ITEM OF PAVEMENT MARKING, CONCRETE CORRUGATED MEDIAN, WILL BE MEASURED IN PLACE AND AND ACCEPTED IN ACCORDANCE WITH THE CONTRACT AND PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT.



RIGHT TURN ISLAND

LEGEND

- ISLAND NOSE MARKING
- CURB MARKING
- CORRUGATED MEDIAN MARKING
- DIRECTION OF TRAVEL

PAVEMENT MARKING
(ISLANDS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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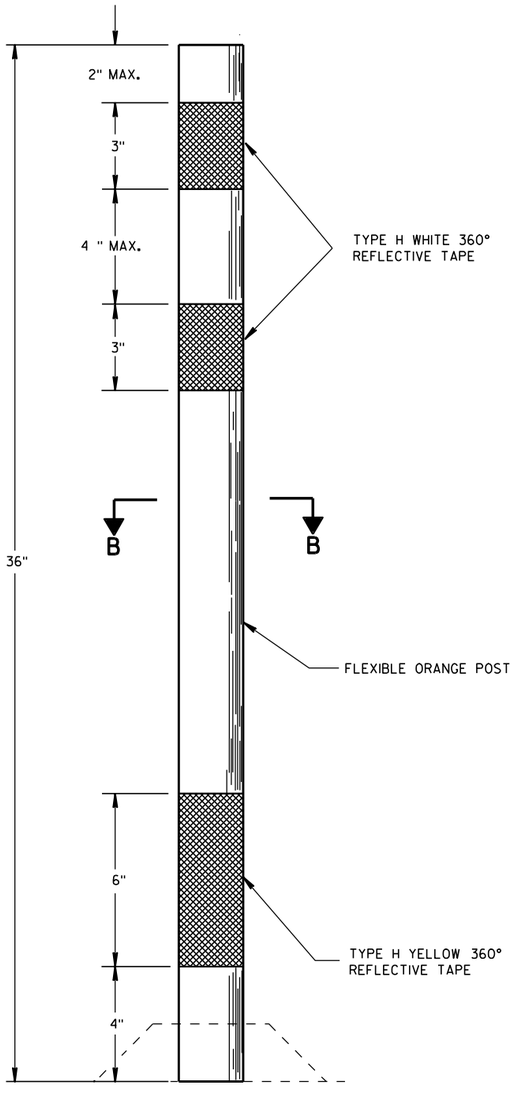
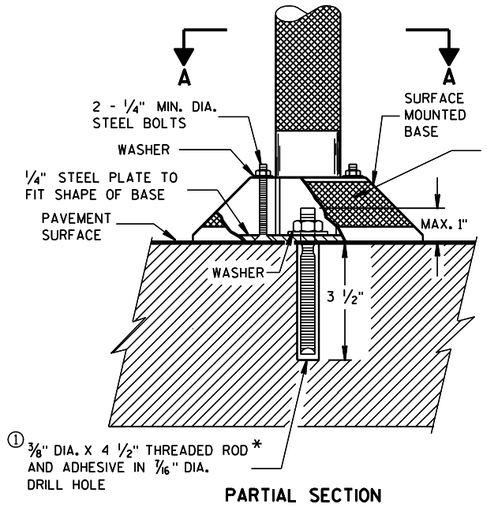
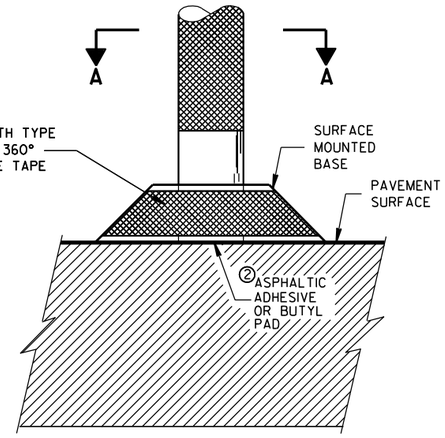


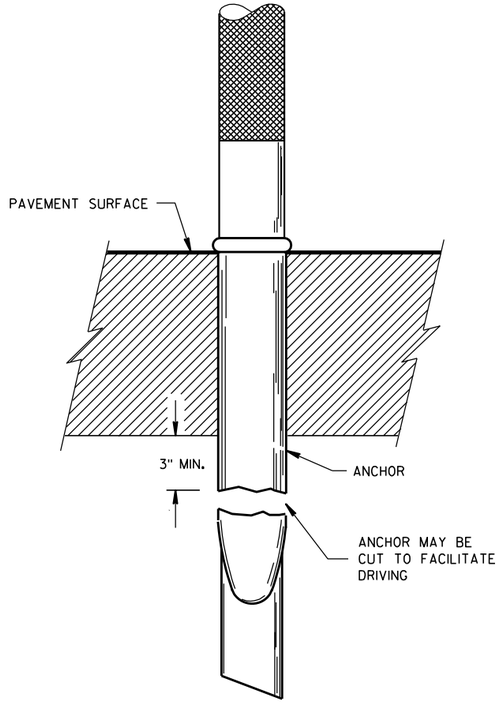
FLEXIBLE TUBULAR MARKER POST

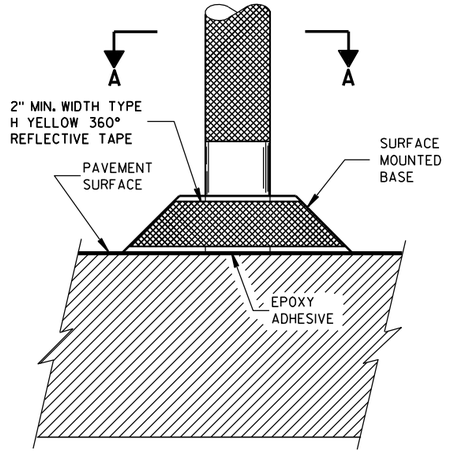


PARTIAL SECTION TO SHOW BOLTS



POST BASES ON NEW OR EXISTING PAVEMENT





POST ANCHOR AND BASE ON PAVEMENT WHICH WILL BE REMOVED

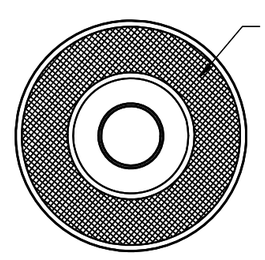
GENERAL NOTES

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

SURFACE MOUNTED BASES SHALL BE FURNISHED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS TO BE COMPATIBLE WITH FLEXIBLE TUBULAR MARKER POSTS TO A SIZE AND SHAPE THAT WILL PROVIDE A STABLE POST FOUNDATION WHEN SECURED TO THE PAVEMENT.

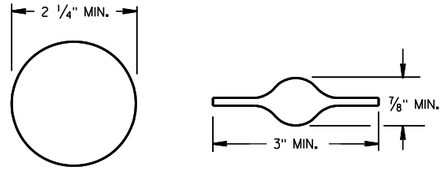
① THREADED ROD SHALL BE MACHINED DOWN TO 0.280 INCH DIA. 1 1/4 INCHES FROM THE TOP.

② THE ASPHALTIC ADHESIVE OR BUTYL PAD FURNISHED SHALL BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.



SECTION A-A

SURFACE MOUNTED BASE



SECTION B-B

ALTERNATIVE SHAPES

FLEXIBLE TUBULAR MARKER POST, ANCHOR & BASES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

2/17/94 DATE

/S/ Chester J. [illegible] DIRECTOR, OFFICE O

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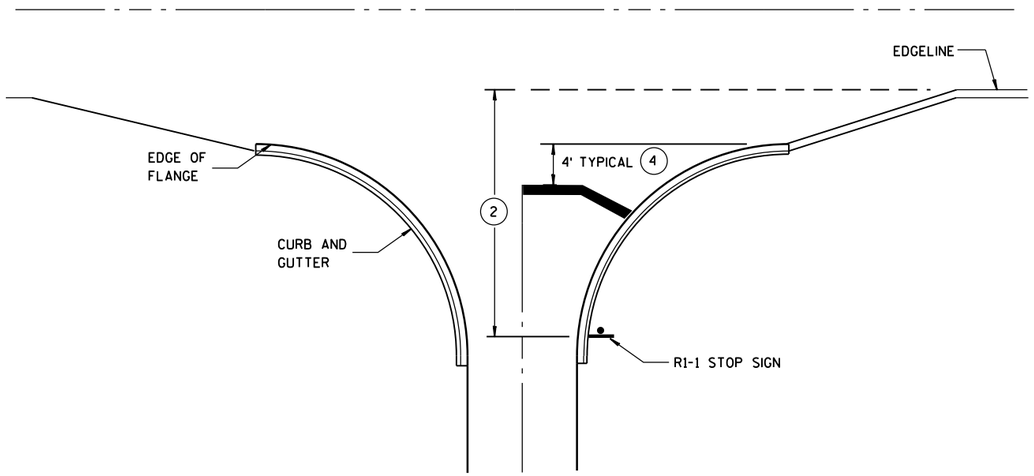
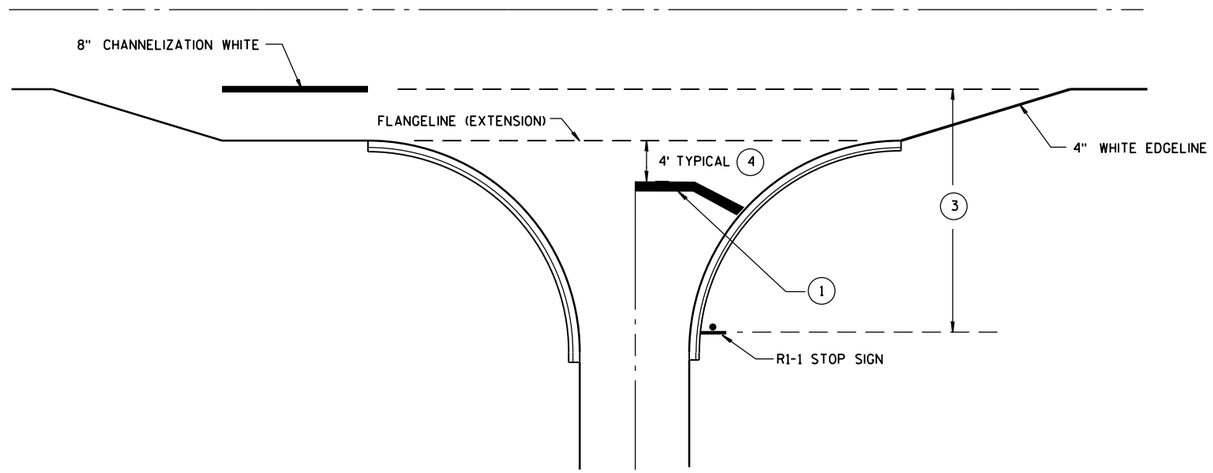
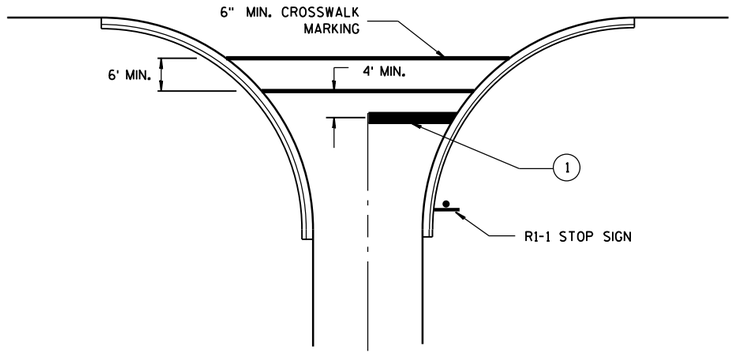


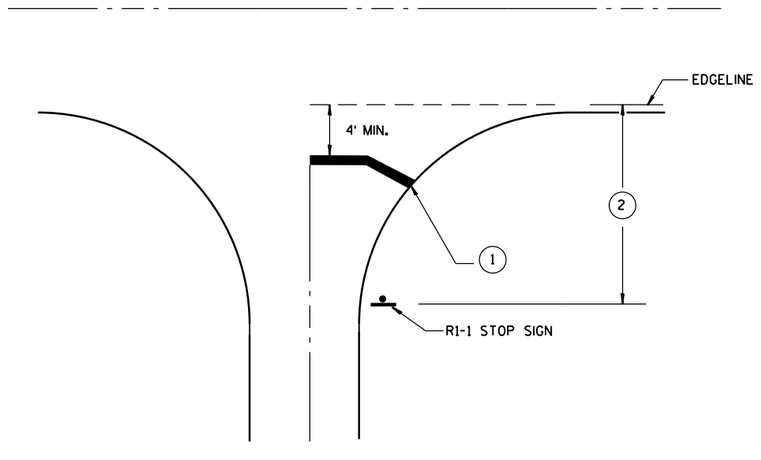
TYPICAL STOP LINE PAVEMENT MARKING WITH CURB AND GUTTER



TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH RIGHT TURN LANE



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.
4. 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
DATE

/S/ Travis Feltes
STATE TRAFFIC EI

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GENERAL NOTES

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" SIGNS MAY BE USED IF APPROVED BY DISTRICT TRAFFIC UNIT.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

W20-1 AND G20-2A SIGNS ARE NOT REQUIRED IF THE WORK AREA IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT. G20-2A SIGNS MAY ALSO BE OMITTED IF DURATION OF WORK IS LESS THAN 7 CONTINUOUS DAYS AND NIGHTS.

CHANNELIZING DEVICES PLACED ADJACENT TO THE WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

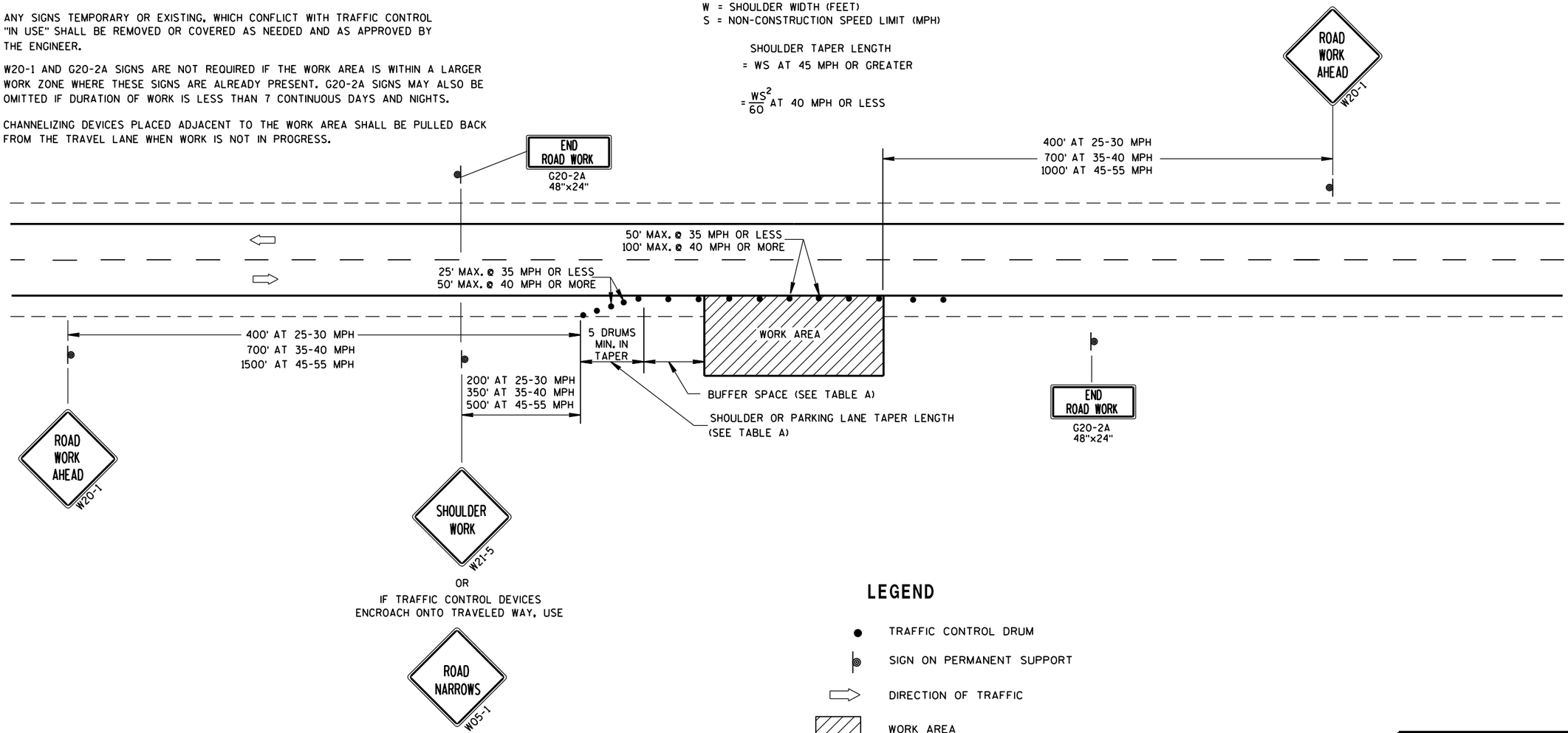
TABLE A

S \ W	SHOULDER TAPER LENGTH (FEET) 4	6	8	10	BUFFER SPACE (FEET)
30	20	30	40	50	85
35	30	45	55	70	120
40	40	55	75	90	170
45	60	90	120	150	220
50	70	100	135	170	280
55	75	110	150	185	335

W = SHOULDER WIDTH (FEET)
S = NON-CONSTRUCTION SPEED LIMIT (MPH)

SHOULDER TAPER LENGTH
= WS AT 45 MPH OR GREATER

$= \frac{WS^2}{60}$ AT 40 MPH OR LESS



LEGEND

- TRAFFIC CONTROL DRUM
- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- WORK AREA

TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

8/2013 — DATE

/S/ Travis Feltes — STATE TRAFFIC ENGINEER

FHWA

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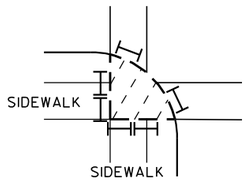
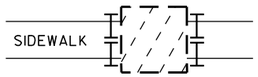
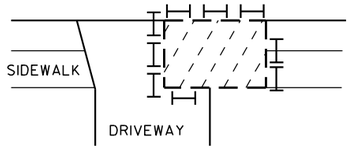
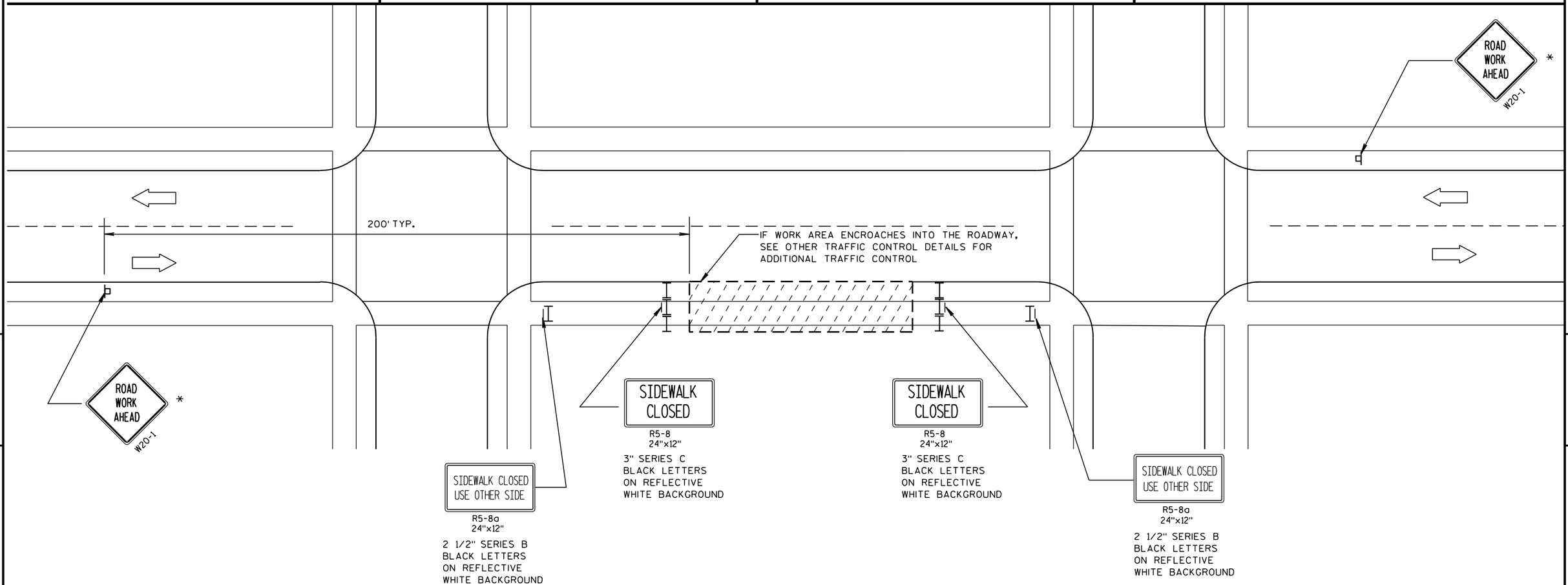
WARNING OF LOCALIZED SIDEWALK WORK AREAS









LEGEND

- POST MOUNTED SIGN
- TYPE II BARRICADE WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW-INTENSITY FLASHING)
- WORK AREA
- DIRECTION OF TRAFFIC FLOW

GENERAL NOTES :

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS, 36"x36" SIGNS MAY BE USED INSTEAD OF 48"x48" SIGNS, IF APPROVED BY DISTRICT TRAFFIC UNIT.

THE EXACT LOCATION AND PLACEMENT OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

* "ROAD WORK AHEAD" SIGNS ARE NOT REQUIRED IF THE SIDEWALK CLOSURE OCCURS WITHIN A LARGER WORK ZONE WHERE ADVANCE WARNING SIGNS ARE ALREADY PRESENT, OR IF THE WORK AREA AND EQUIPMENT ARE MORE THAN 2 FEET BEHIND THE CURB.

WARNING SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

TRAFFIC CONTROL, SIDEWALK CLOSURE

TRAFFIC CONTROL, SIDEWALK CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
5/23/2000 DATE
/S/ Chester J. [illegible]
CHIEF SIGNS AND MARK 257 NEER
FHWA

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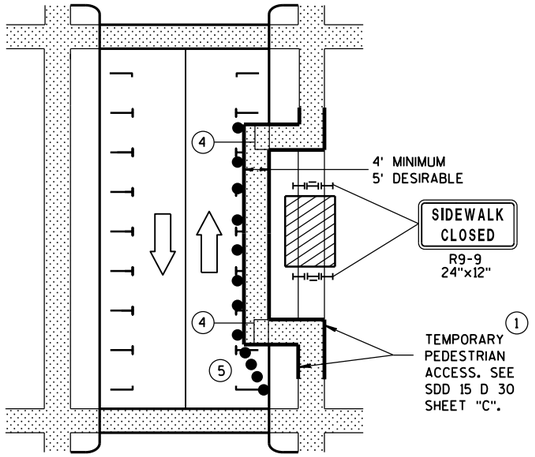
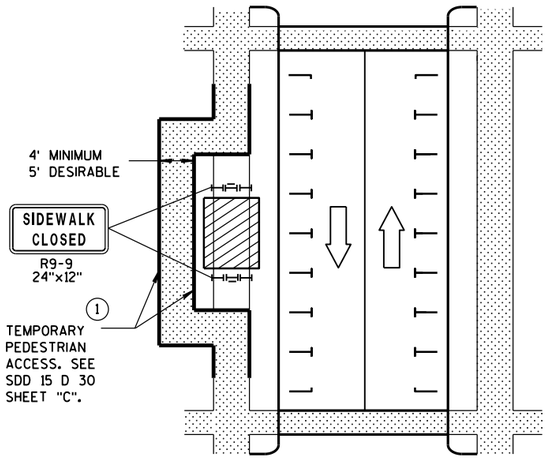
S.D.D. 15 D 30-1

NOTE: MAY BE USED ON ROADWAY WITH POSTED SPEED OF LESS THAN 40 MPH.

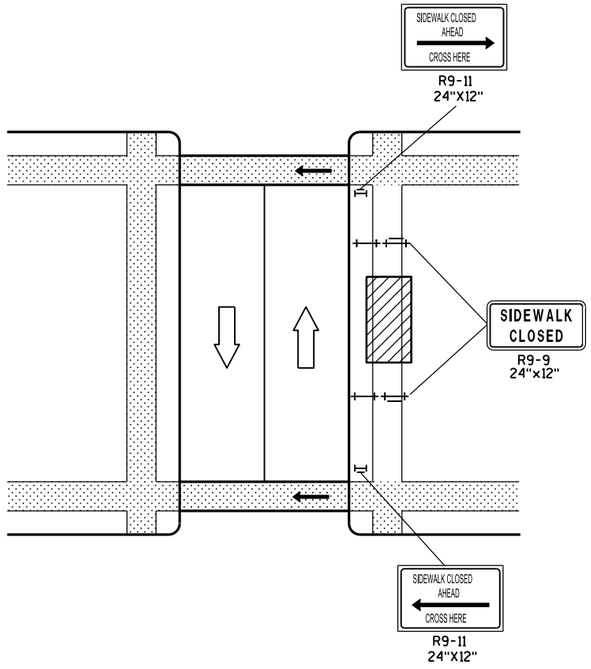


MID-BLOCK SIDEWALK CLOSURE IN PARKING LANE

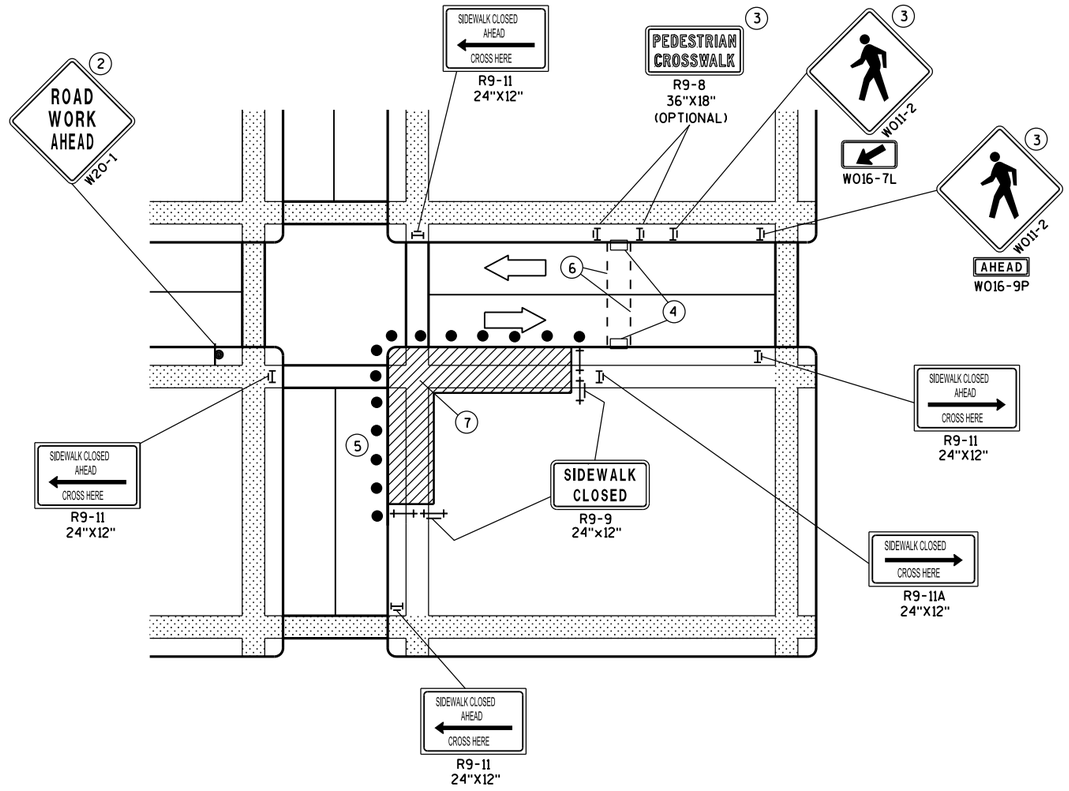
NOTE: LAYOUT SAME AS ABOVE.



SIDEWALK DIVERSION



MID-BLOCK SIDEWALK CLOSURE



CORNER SIDEWALK CLOSURE WITH TEMPORARY CROSSWALK

GENERAL NOTES

WHEN CLOSING OR RELOCATING CROSSWALKS OR SIDEWALKS, PROVIDE DETECABLE TEMPORARY FACILITIES AND INCLUDE ACCESSIBILITY FEATURES CONSISTENT WITH EXISTING PEDESTRIAN FACILITIES.

TEMPORARY TRAFFIC CONTROL DEVICES FOR PEDESTRIANS ARE SHOWN. OTHER DEVICES MAY BE NECESSARY TO CONTROL VEHICULAR TRAFFIC. STAGE WORK, AS NECESSARY, TO PROVIDE A TEMPORARY PEDESTRIAN ACCESS ROUTE AT ALL TIMES. FOR ROADWAYS WITH NO AVAILABLE DETOURS, MAINTAIN ONE OPEN SIDEWALK AT ALL TIMES.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

FOR NIGHTTIME CLOSURE USE TYPE "A" FLASHING WARNING LIGHTS ON BARRICADES, SUPPORTING SIGNS AND CLOSING SIDEWALK. USE TYPE "C" STEADY BURN LIGHTS ON CHANNELIZING DEVICES SEPARATING THE WORK AREA FROM VEHICULAR TRAFFIC.

PEDESTRIAN TRAFFIC SIGNAL DISPLAY CONTROLLING CLOSED CROSSWALK SHALL BE COVERED OR DEACTIVATED.

POST MOUNTED SIGNS LOCATED ADJACENT TO A SIDEWALK SHALL HAVE A 7 FOOT MINIMUM CLEARANCE FROM THE BOTTOM OF THE SIGN TO THE SIDEWALK SURFACE.

ALTERNATE SIDEWALK WORK BETWEEN LEFT AND RIGHT SIDE OF ROADWAY TO MAINTAIN PEDESTRIAN ACCESS.

(1) IF SIDEWALK CLOSURE AFFECTS AN ACCESSIBLE AND DETECTABLE FACILITY, MAINTAIN ACCESSIBILITY AND DETECTABILITY ALONG THE ALTERNATE PEDESTRIAN ROUTE.

(2) "ROAD WORK AHEAD" SIGNS ARE NOT REQUIRED IF THE SIDEWALK CLOSURE OCCURS WITHIN A LARGER WORK ZONE WHERE ADVANCE WARNING SIGNS ARE ALREADY PRESENT, OR IF THE WORK AREA AND EQUIPMENT ARE MORE THAN 2 FEET BEHIND THE CURB.

(3) IF TEMPORARY PEDESTRIAN CROSSWALK IS NOT PROVIDED, OMIT R9-8 AND W011-2 SIGN ASSEMBLIES. IF PROVIDED INCLUDE ON BOTH SIDES OF THE CROSSWALK.

(4) TEMPORARY CURB RAMPS. SEE SDD 15 D 30 SHEET "B".

(5) DRUMS OR BARRICADES AT 25 FOOT SPACING. STREET PARKING SHALL BE PROHIBITED FOR AT LEAST 50 FEET IN ADVANCE OF THE MID-BLOCK CROSSWALK.

(6) TEMPORARY PAVEMENT MARKING FOR CROSSWALK LINES.

(7) LIMIT WORK TO ONE QUADRANT AT A TIME TO MINIMIZE PEDESTRIAN DISRUPTION.

LEGEND

- SIGN ON PERMANENT SUPPORT
- UNDER PEDESTRIAN TRAFFIC
- WORK AREA
- PEDESTRIAN CHANNELIZATION DEVICE
- TYPE II BARRICADE WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW-INTENSITY FLASHING)
- TYPE III BARRICADE WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW-INTENSITY FLASHING)
- DIRECTION OF TRAFFIC
- TRAFFIC CONTOL DRUM

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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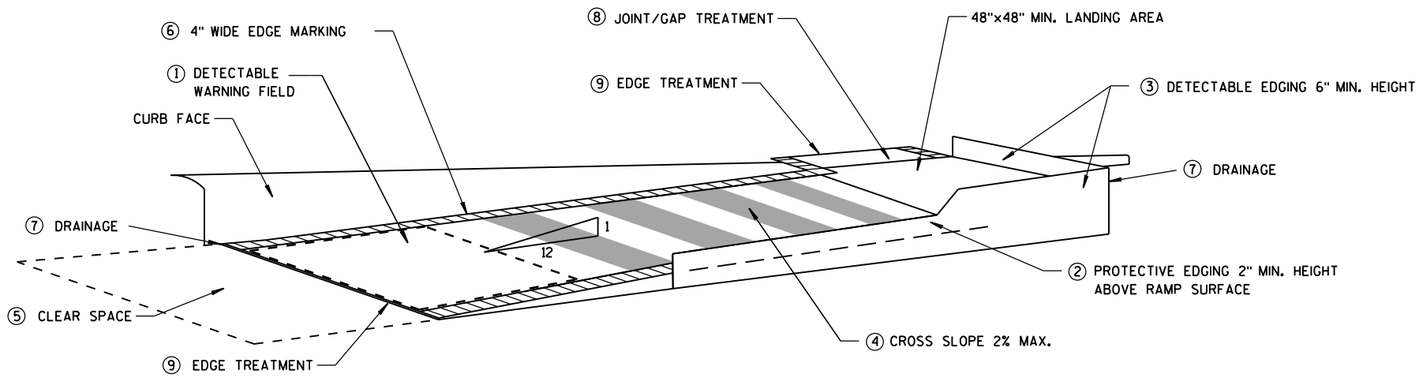


TEMPORARY CURB RAMP PARALLEL TO CURB

GENERAL NOTES

NOTIFY THE BUS COMPANY 7 DAYS IN ADVANCE OF THE BUS STOP RELOCATION.

ALTERNATE SIDEWALK WORK BETWEEN LEFT AND RIGHT SIDE OF ROADWAY TO MAINTAIN PEDESTRIAN ACCESS.

① CURB RAMPS SHALL BE 48" MIN. WIDTH WITH A FIRM, STABLE AND SLIP RESISTANT SURFACE. INSTALL CONTRASTING DETECTABLE WARNING FIELD AT PEDESTRIAN STREET CROSSINGS. REFER TO SDD 8D5 SHEET "E".

② PROTECTIVE EDGING WITH A 2" MIN. HEIGHT SHALL BE INSTALLED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.

③ DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).

④ CURB RAMPS AND LANDINGS SHALL HAVE A 1:50 (2%) MAX. CROSS-SLOPE.

⑤ CLEAR SPACE OF 48"X48" MIN. SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP.

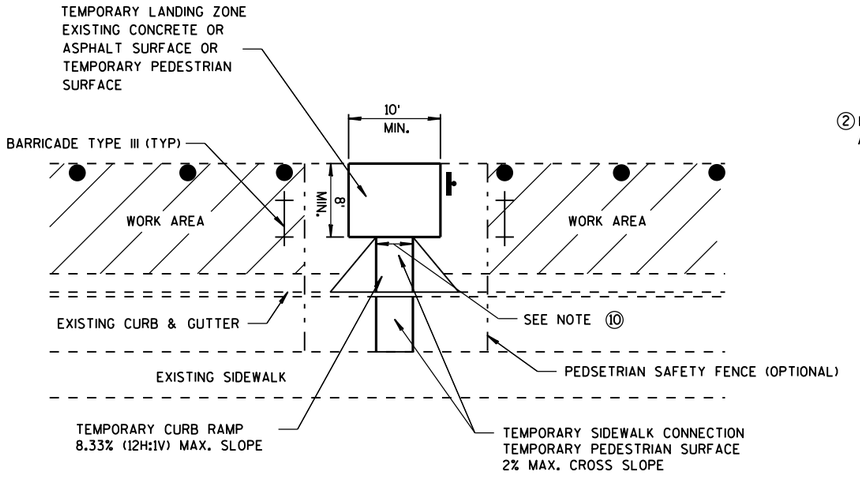
⑥ THE CURB RAMP WALKWAY EDGE SHALL BE MARKED WITH A YELLOW COLOR, 4" WIDE MARKING, UNLESS A CONTRASTING DETECTABLE WARNING FIELD IS PROVIDED.

⑦ DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.

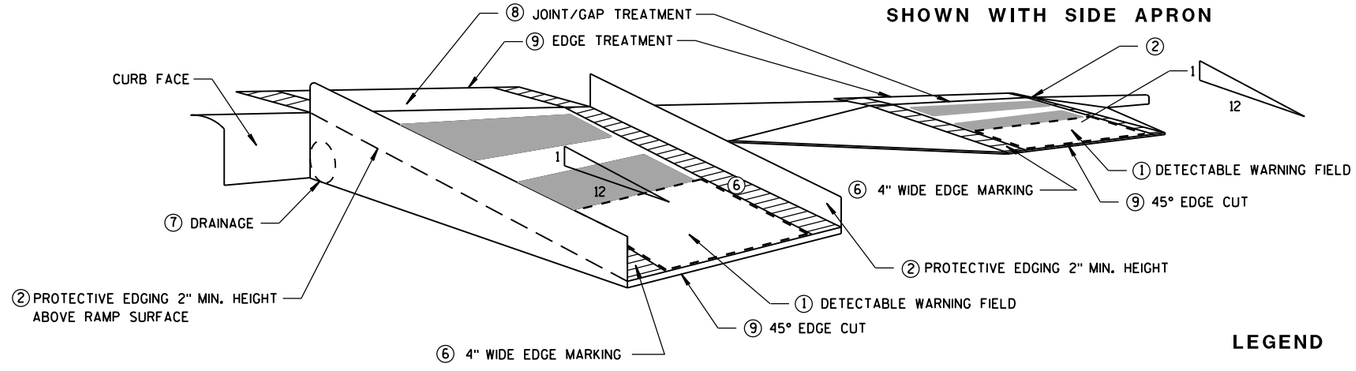
⑧ LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN 1/2" WIDTH.

⑨ CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED 1/2". LATERAL EDGES SHALL BE VERTICAL UP TO 1/4" HIGH, AND BEVELED AT 1:2 BETWEEN 1/4" AND 1/2".

⑩ 5' WIDE MIN. WITH PEDSETRIAN SAFETY FENCE, 10' WIDE MIN. WITHOUT PEDESTRIAN SAFETY FENCE.



TEMPORARY BUS STOP PAD



SHOWN WITH PROTECTIVE EDGE

TEMPORARY CURB RAMP PERPENDICULAR TO CURB

LEGEND

WORK AREA

TYPE III BARRICADE

TRAFFIC CONTOL DRUM

TRAFFIC CONTROL, TEMPORARY ADA COMPLIANT PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

March 2015 — DATE

/S/ Travis Feltes — STATE TRAFFIC ENGINEER — SIGN

FHWA

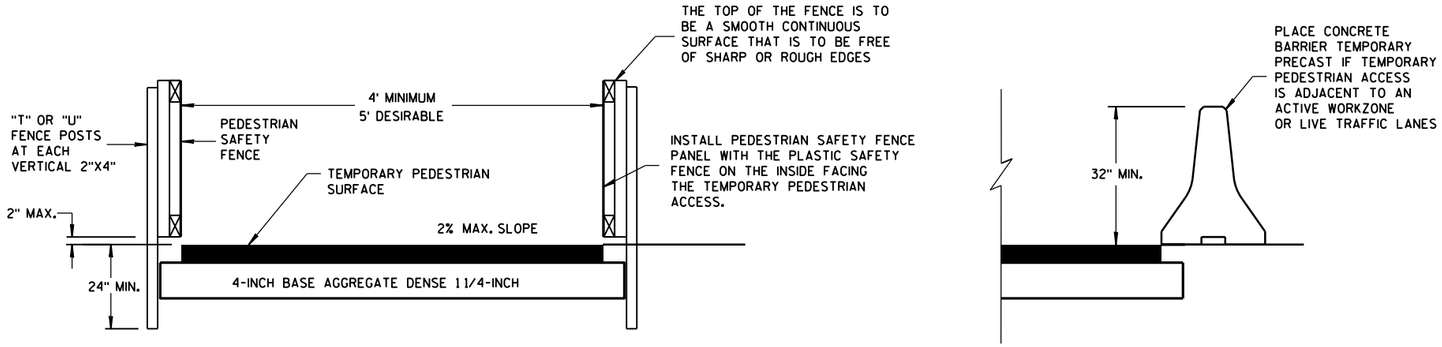
259

6

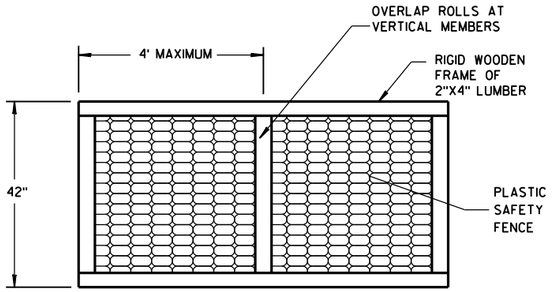
S.D.D. 15 D 30-2b

6

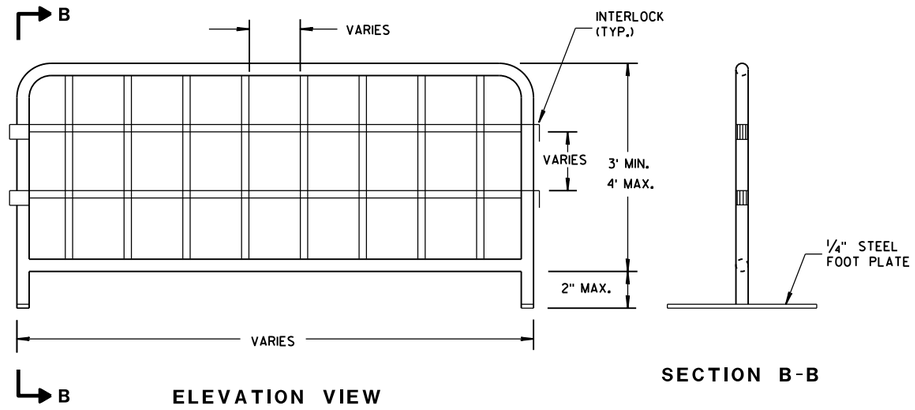
S.D.D. 15 D 30-2b



TEMPORARY PEDESTRIAN ACCESS



PEDESTRIAN SAFETY FENCE



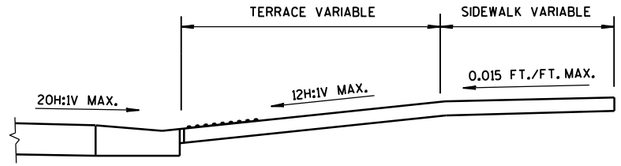
ELEVATION VIEW

SECTION B-B

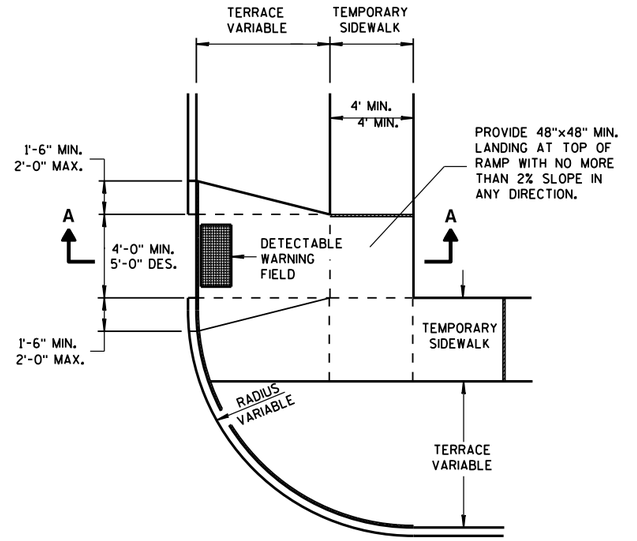
TEMPORARY PEDESTRIAN STEEL BARRICADE (1)

GENERAL NOTES

(1) INTERCHANGEABLE WITH THE PEDESTRIAN SAFETY FENCE.



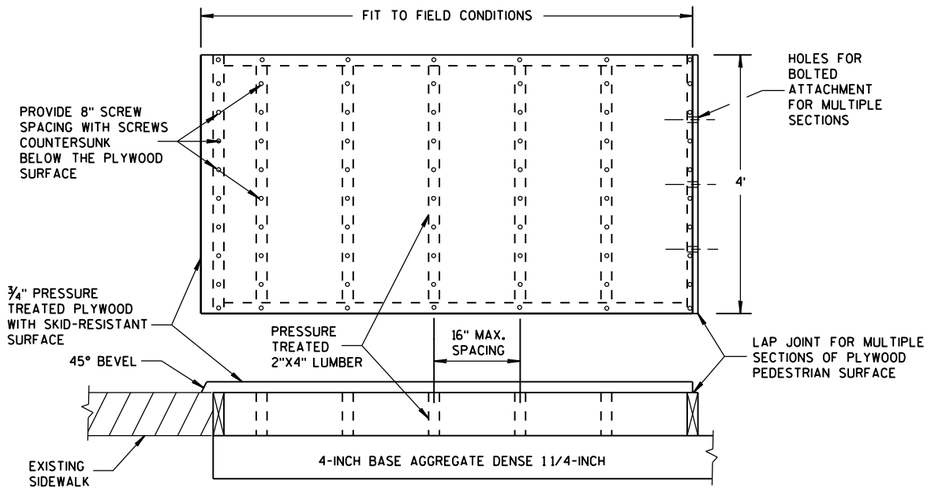
SECTION A-A



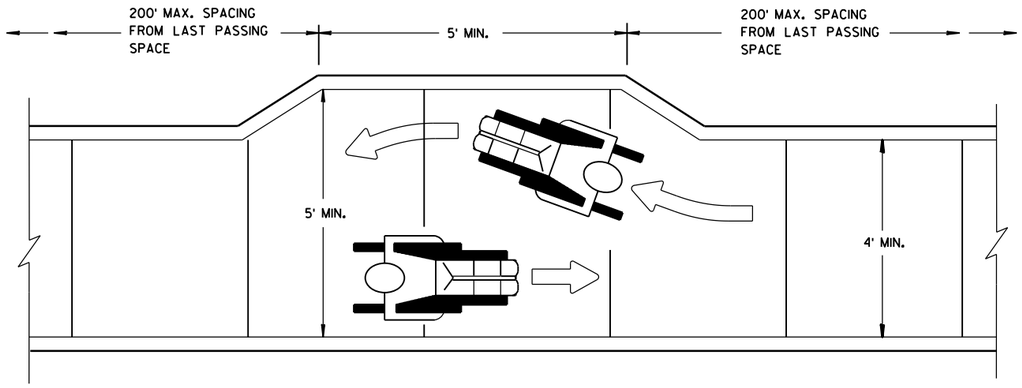
PLAN VIEW

TEMPORARY TYPE 3 RAMP

(OUTSIDE OF CROSSWALK AREA)



TEMPORARY PEDESTRIAN SURFACE PLYWOOD



NARROW SIDEWALK PASSING DETAIL

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2015 — DATE
/S/ Travis Feltes — STATE TRAFFIC ENGINEER — SIGN
FHWA

260

6

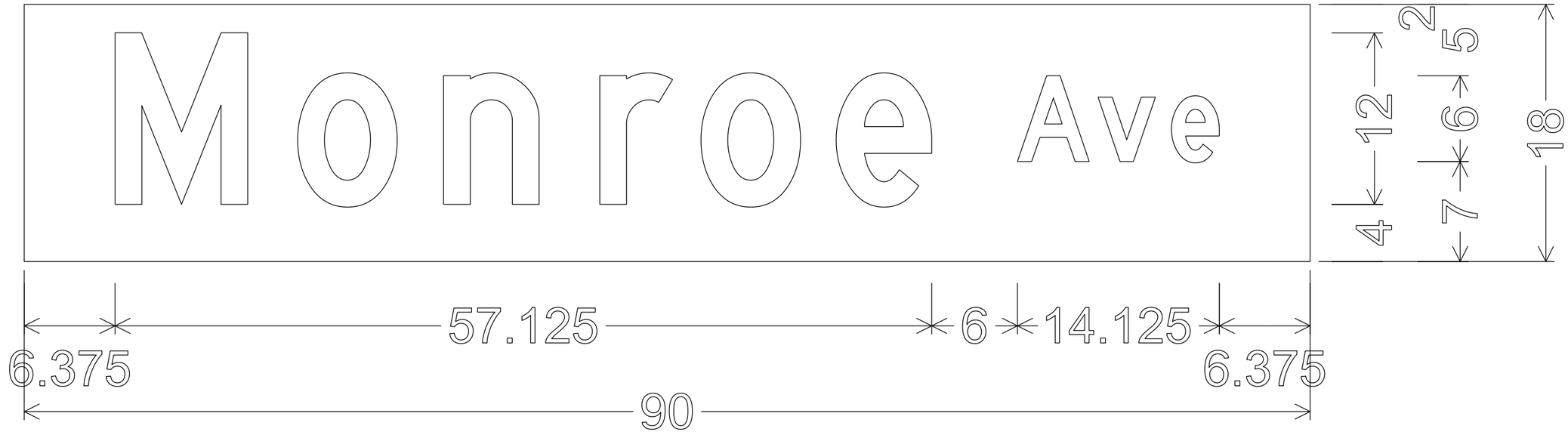
S.D.D. 15 D 30-2c

6

S.D.D. 15 D 30-2c

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - D



No border, White on Green

7

7

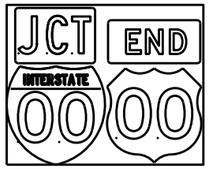
PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	PERMANENT SIGNING	SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_d2\2661a115.dgn PLOT DATE : 20-JAN-2015 17:56 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 13.515007:1.000000

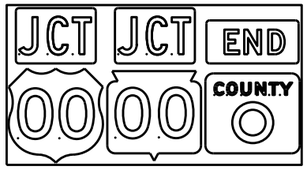
WISDOT/CADDS SHEET 42

TYPICAL ASSEMBLIES

J1-1

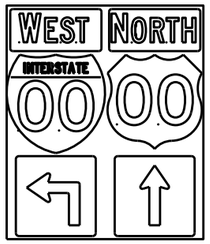


J1-2

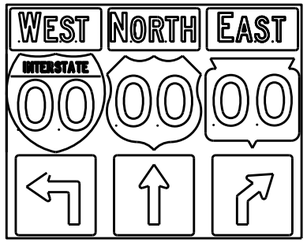


J1-3

J2-1



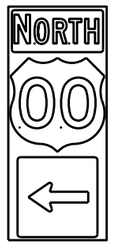
J2-2



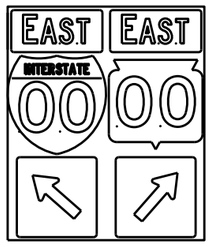
J2-3

JV

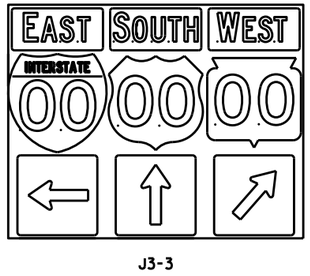
(Typical Vertical J-Assembly
See Note 10 and 11)



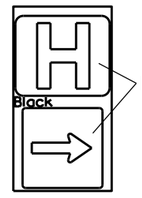
J3-1



J3-2



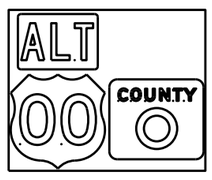
J3-3



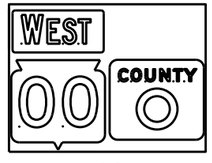
Blue Background

JH-1

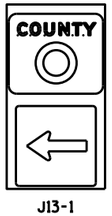
J4-1



J4-2



J4-2



J13-1

J12-1

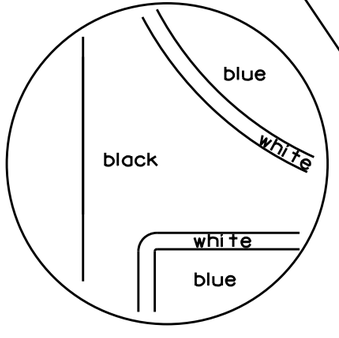
J32-1

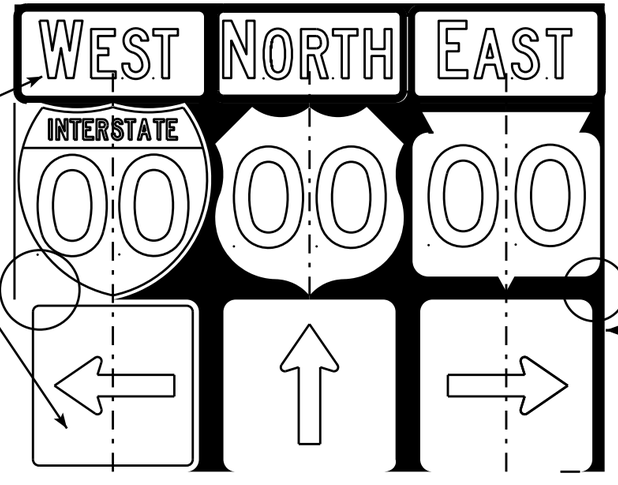
J33-1

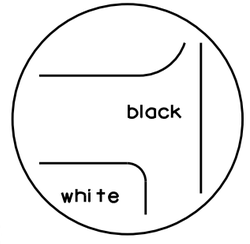
J23-1

J22-1

[blue background with interstate]







[black background]

NOTES

1. Signs are Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Black Non-reflective
   Message - see Note 5
3. Message Series - See Note 5
4. Corners shall be square or rounded if base material is plywood. If base material is metal the corners shall be rounded.
5. The colors and message spacing on each marker shall be according to the applicable route marker panel specifications.
6. Certain marker heads require the component pieces to be the same color. As an example, all the components used with an M1-1 Interstate marker shall be blue.
7. Single panel j-assemblies shall only be used with route marker shields that are same size. If the route marker shields are different size use multiple piece component.
8. Route assemblies that have 24 inch route shields and have dimensions greater than 48 inches (both vertical and horizontal) shall have one horizontal splice between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 inches or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.
9. Route assemblies that have 36 inch shields and have dimensions greater than 48 inchs (both vertical and horizontal) shall have two horizontal splices. One horizontal splice shall be between the cardinal direction and route shields and the other horizontal splice shall be between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.
10. All Vertical J Assemblies are given a Sign Code of JV
11. For JV Assemblies that have a mixture of Interstate and non Interstate shields, arrows and cardinals shall be white on blue.

ROUTE MARKERS & COMPONENTS
IN TYPICAL ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

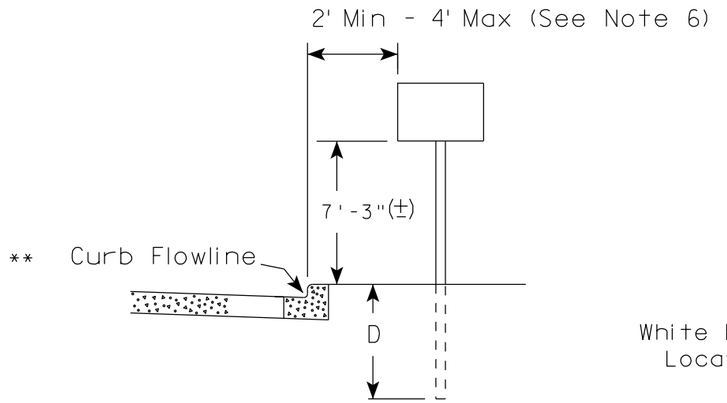
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/06/14 PL... A2-1S.8

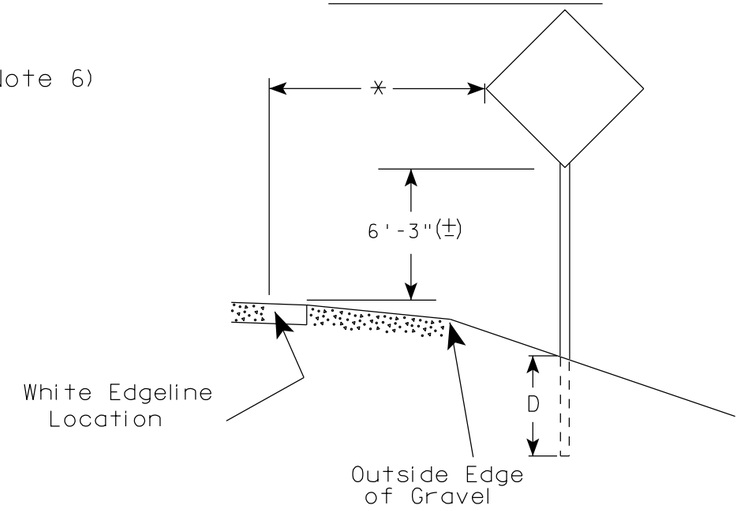
PROJECT NO: | SHEET NO: E

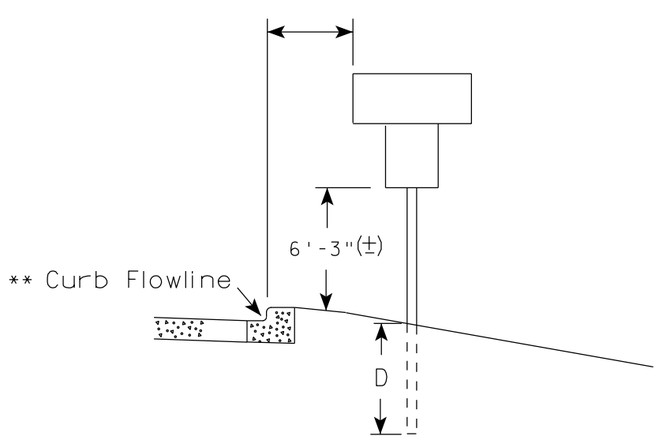
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A21S.DGN PLOT DATE : 06-FEB-2014 14:10 PLOT BY : mscsja PLOT NAME :
WISDOT/CADDS SHEET 42

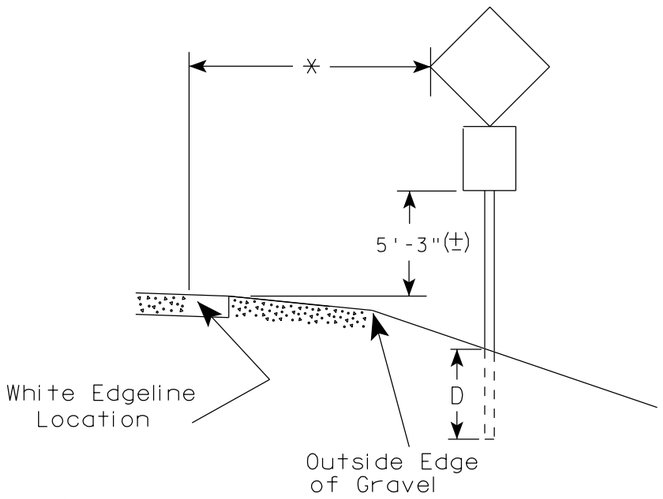
URBAN AREA



RURAL AREA (See Note 2)







** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

POST EMBEDMENT DEPTH

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

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 (A2-1S) is 7'-3" (±) or 6'-3" (±) per urban or rural detail respectively.
5. Minimum mounting height for signs mounted on traffic signal poles is 5'- 3" (±).
6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
7. The (±) tolerance for mounting height is 3 inches.
8. Folding signs shall be mounted at a height of 5'-3" (±) or as directd 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), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4'-3" (±).

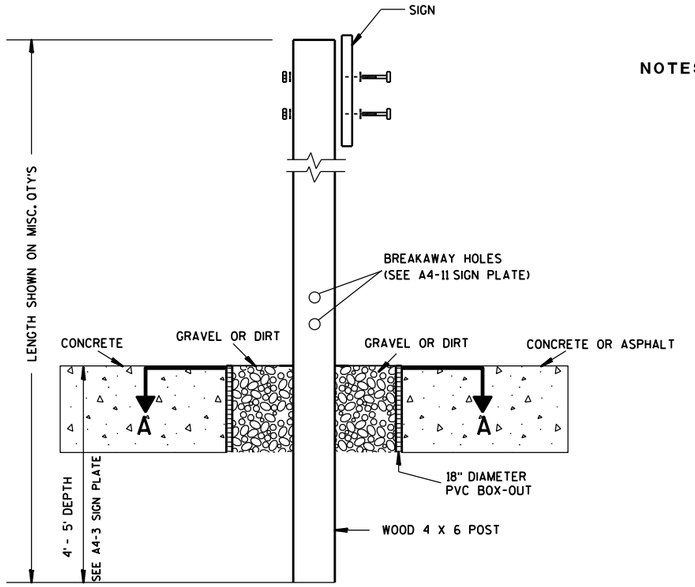
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/12/14 PLATE NO. A4-3.19

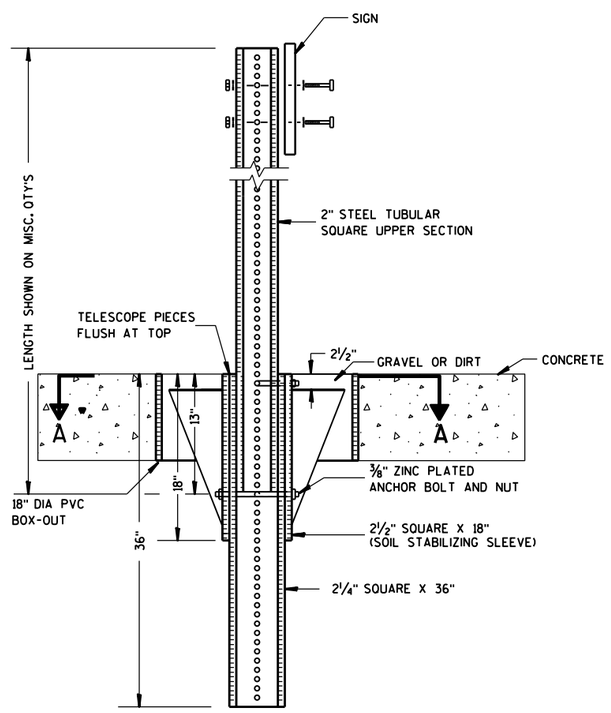
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



ELEVATION VIEW

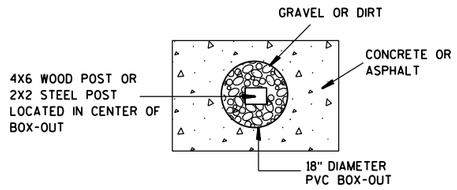
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

NOTES:
1. ALL MATERIAL TO BE APPROVED BY ENGINEER PRIOR TO INSTALLATION
2. SEE SIGN PLATE A4-8 FOR SIGN HARDWARE REQUIREMENTS
3. 18 INCH X 18 INCH SQUARE BOX-OUTS MAY BE USED FOR INSTALLATIONS IN EXISTING CONCRETE OR ASPHALT LOCATIONS.



ELEVATION VIEW

DETAIL OF STEEL 2 X 2 SIGN POST IN BOX-OUT



PLAN VIEW

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST BOX-OUTS A4-3B

WISCONSIN DEPT OF TRANSPORTATION

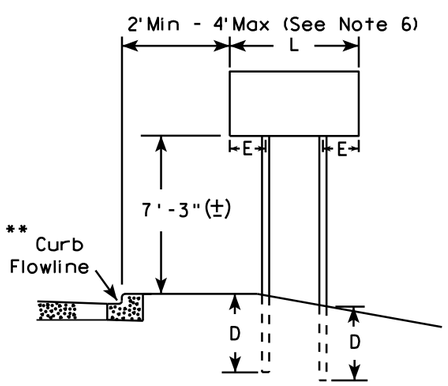
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/27/14 PLATE NO. A4-3B.1

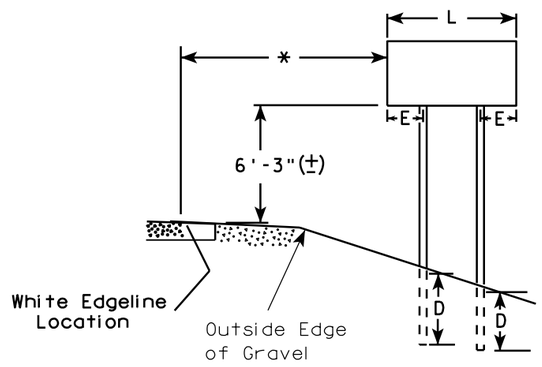
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

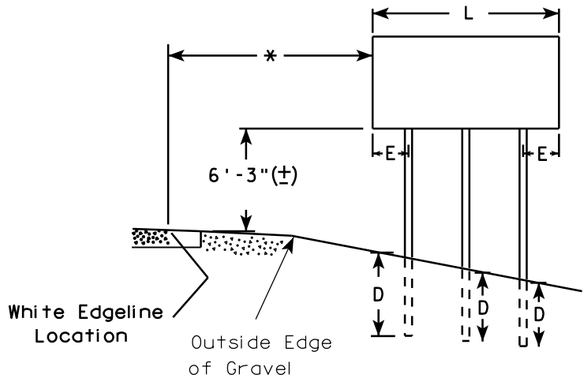
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN PLOT DATE : 27-JAN-2014 09:48 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000 WISDOT/CADDS SHEET 42

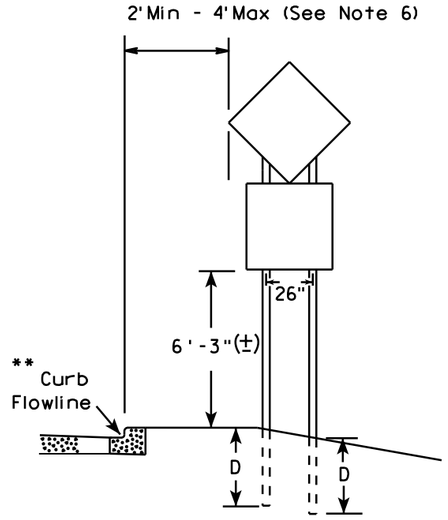
URBAN AREA



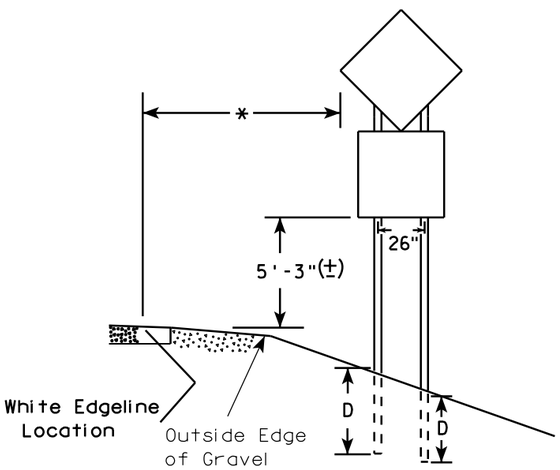
RURAL AREA (See Note 3)







48" DIAMOND WARNING SIGN



48" DIAMOND WARNING SIGN

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 (A2-1S) is 7'-3" (±) or 6'-3" (±) per urban or rural detail respectively.
6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
7. Folding signs 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), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4"-3" (±).

* 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 less than 20 S.F. in area.

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

***

SIGN SHAPE OTHER THAN DIAMOND (THREE POSTS REQUIRED)	
L	E
Greater than 120" less than 168"	12"

SIGN SHAPE OTHER THAN DIAMOND (FOUR POSTS REQUIRED)	
L	E
168" and greater	12"

POST EMBEDMENT DEPTH

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

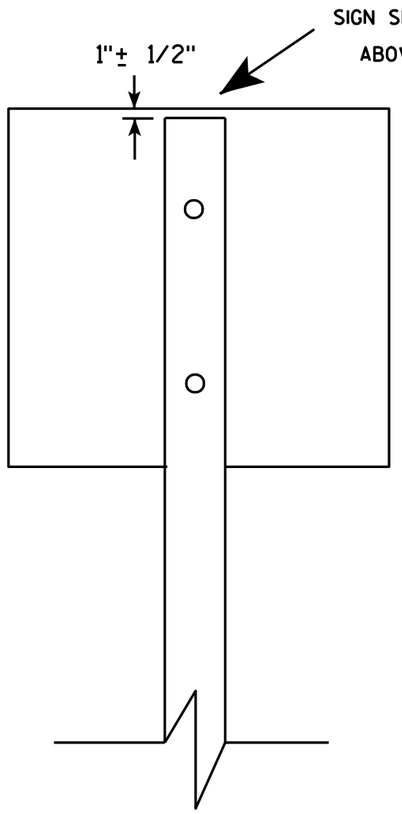
TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

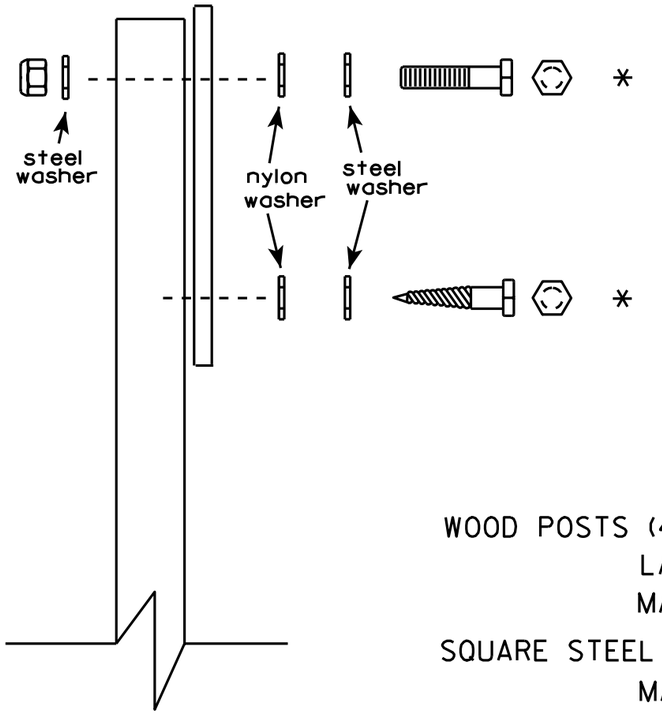
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/12/14 PLATE NO. A4-4 265 13

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E





Nuts, bolts and lags used for mounting signs shall have hexagonal heads and shall be either :

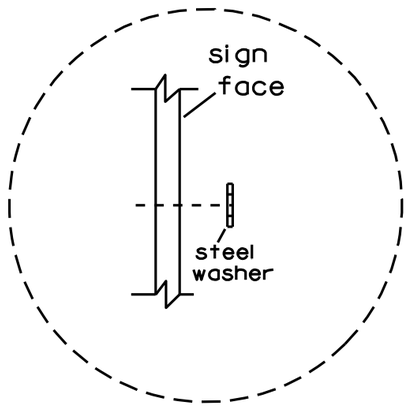
a. Hot dip galvanized in accordance with ASTM Designation: A 153, Class D, or SC 3
b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.

Threads on bolts and nuts shall be manufactured with sufficient allowance for the cadmium plate or galvanized coating to permit the nuts to run freely on the bolts.

WOOD POSTS (4" x 4" or 4" x 6")
LAG SCREWS - 3/8" X 3"
MACHINE BOLTS - 5/16" X 6-1/2" or 7" Length w/ nuts

SQUARE STEEL POSTS (2" x 2")
MACHINE BOLTS - 3/8" X 3-1/4" Length w/ nuts
RIVETS - 9/32 " (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL
O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH

WASHERS (ALL POSTS) -
1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON for all Type H signs.



Washer Placement when Sign Has Other Than Type H or Type F Face

* Two different fastening systems are shown for illustration purposes. On any individual sign, either one or the other system shall be used. Actual number of fasteners per sign varies with the sign area, but normally there are two. For a single post installation, all signs greater than 9 sq. ft. require the use of 3 fasteners.

ATTACHMENT OF SIGNS TO POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/23/10 PLATE NO. A4-8.7

7

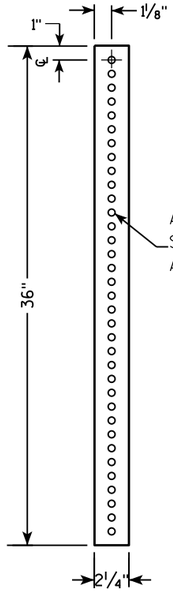
7

PROJECT NO:

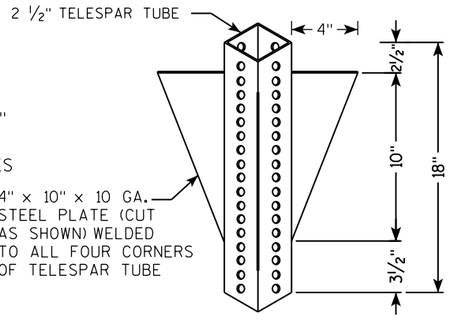
SHEET NO: 266 E

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

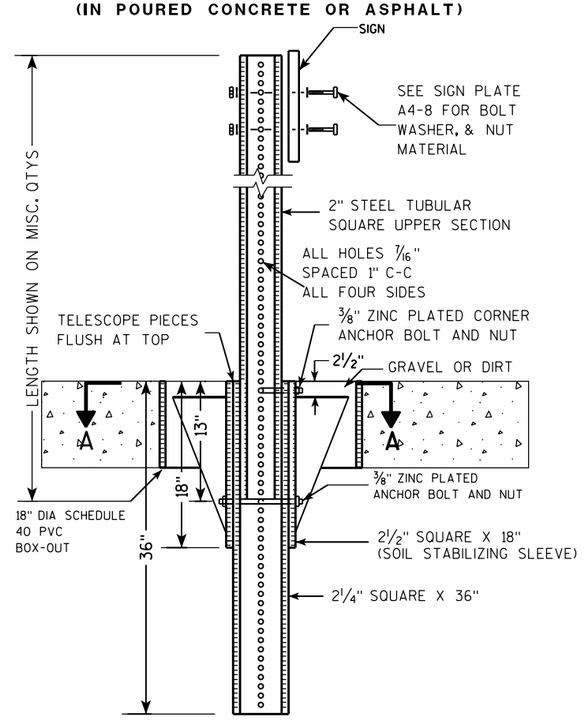
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



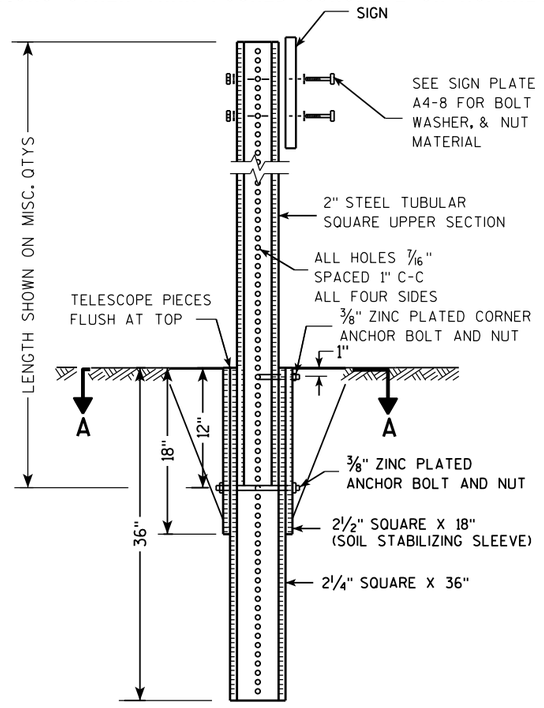
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

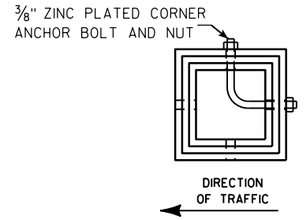


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



DETAIL OF TUBULAR STEEL SIGN POST
(IN LOCATIONS OTHER THAN POURED CONCRETE OR ASPHALT)





SECTION A-A

Area of Sign Installation (Sq. Ft.)	Number of Required Posts
9 or less	1
Greater than 9 less than or equal to 18	2
Greater than 18 less than or equal to 27	3

Signs wider than 3 feet or larger than 9 sq. ft shall be mounted on multiple posts (see above table).

TUBULAR STEEL
SIGN POST
A4-9

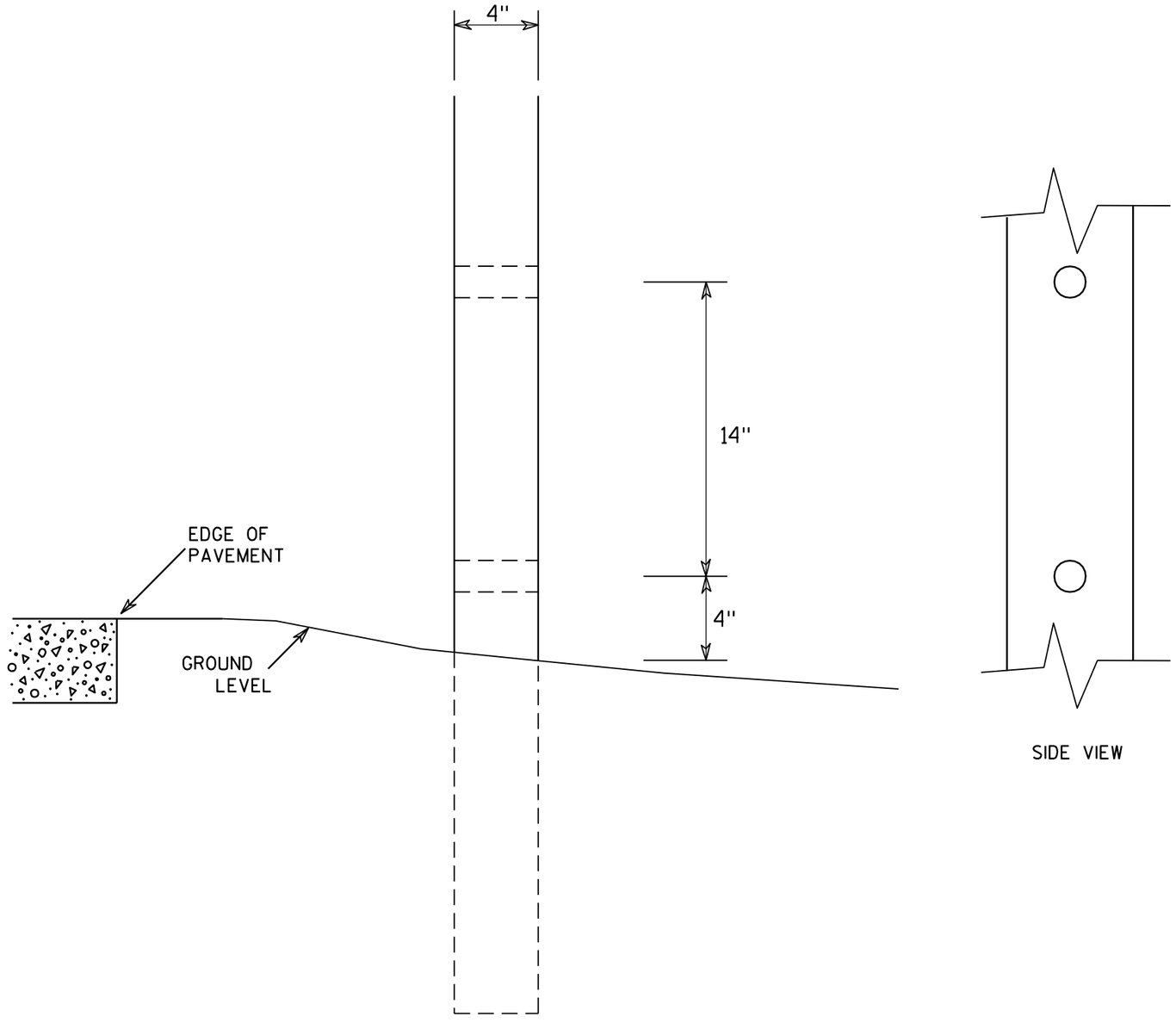
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE A4-9.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A49.DGN PLOT DATE : 05-FEB-2015 17:09 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000 WISDOT/CADDS SHEET 42



SIDE VIEW

GENERAL NOTES

1. All 4 x 6 Wood Posts shall be modified by having two 1½" diameter holes drilled perpendicular to the roadway centerline.

7

7

4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

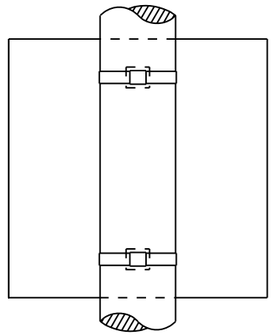
APPROVED Chester J Spang for State Traffic Engineer

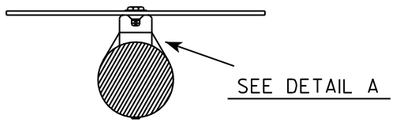
DATE 3/27/97 PLATE NO. A4-11.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 268	E

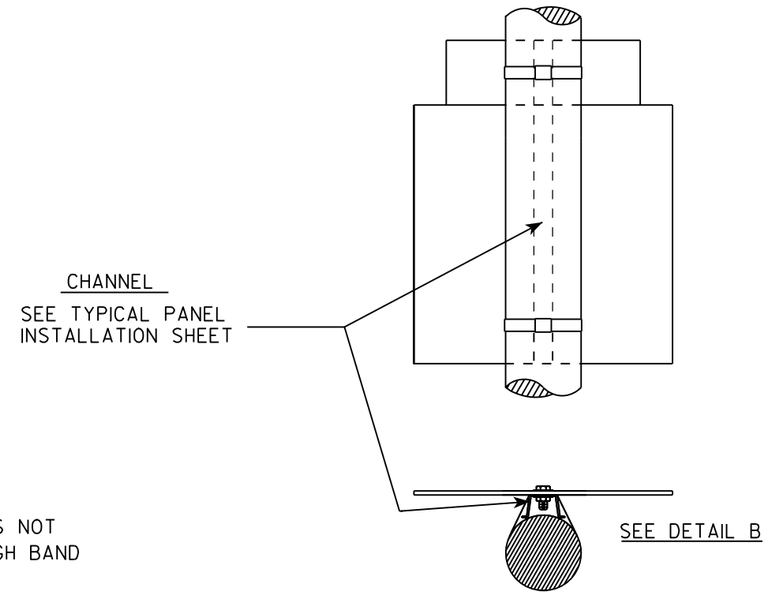
BANDING

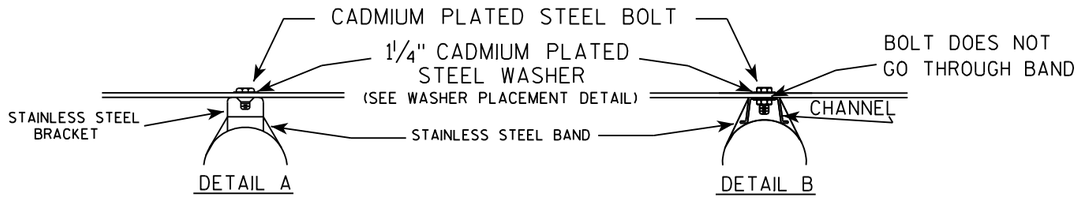
SINGLE SIGN



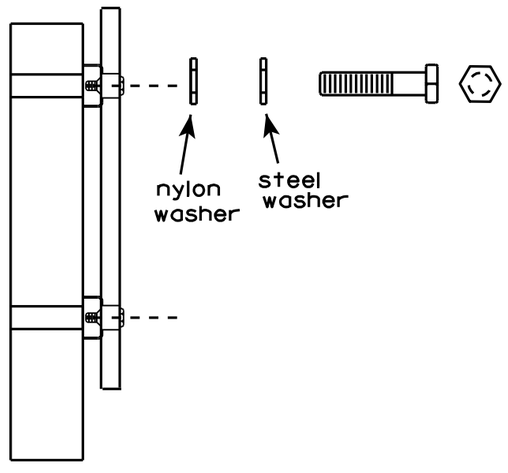


"J" ASSEMBLY





WASHER PLACEMENT



WASHERS (ALL POSTS) -
1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON
FOR ALL TYPE H SIGNS

GENERAL NOTES

1. Any sign over 3 feet in width shall use the V-Block banding method. See A5-10 standard plate.
2. Signs 3 feet or greater in height shall have three bracket bands installed. Signs less than 3 feet in height shall have two bracket bands installed.
3. Banding and assembly bracket shall be stainless steel. All bands shall be 3/4" in width and 0.025" thickness.

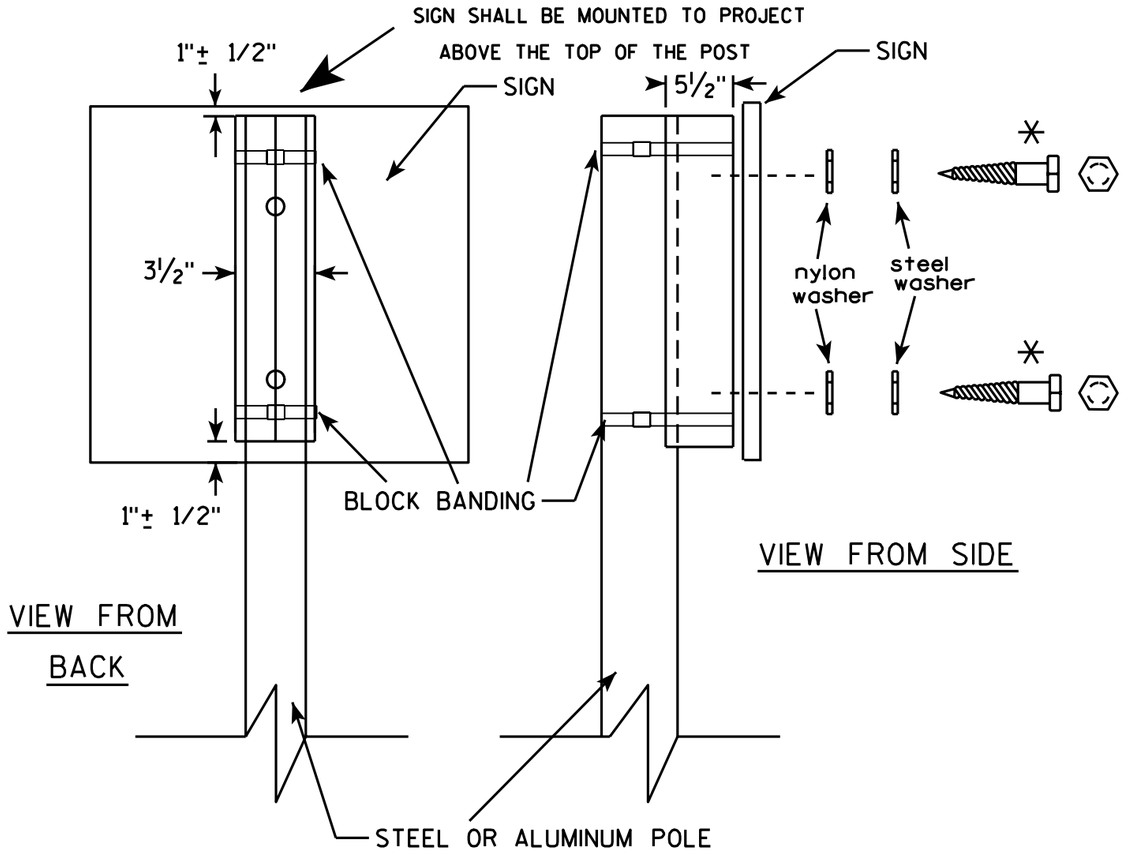
STANDARD SIGN
SIGN BANDING DETAILS

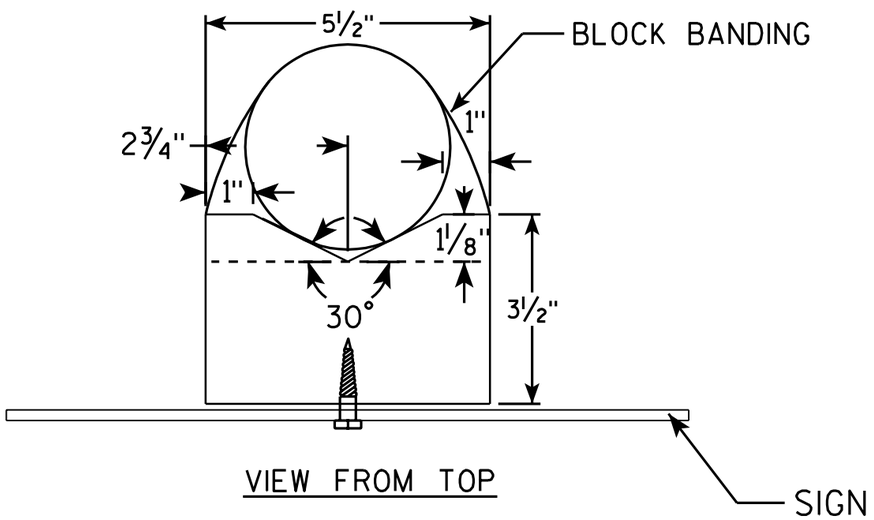
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/16/13 PLATE NO. A5-9.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 269	E





GENERAL NOTES

1. WOOD 4"X6" POST MATERIAL SHALL CONFORM TO 507.2.2 OF THE WisDOT STANDARD SPECIFICATIONS
2. BLOCK BANDING AND CLIPS SHALL BE STAINLESS STEEL, ¾" WIDTH AND 0.025" THICKNESS
3. SIGNS 3' OR GREATER IN HEIGHT SHALL UTILIZE 3 BLOCK BANDS. SIGNS UNDER 3' IN HEIGHT SHALL UTILIZE 2 BLOCK BANDS
4. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA, BUT NORNALLY THERE ARE TWO. FOR SIGNS GREATER THAN 9 S.F. 3 FASTENERS SHALL BE USED.
5. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D, or
   b. Cadmium plated in accordance with ASTM Designation : B 766 TYPE 3, Class 12, or
   c. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.
6. ALL BOLTS SHALL HAVE HEXAGONAL HEADS.
7. STEEL WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X 1/16"
8. NYLON WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X .080 FOR TYPE H OR TYPE F FACE SIGN

✳ LAG BOLTS SHALL BE ⅜" X 2½"

BLOCK BANDING DETAIL (V-BLOCK OPTION)

WISCONSIN DEPT OF TRANSPORTATION

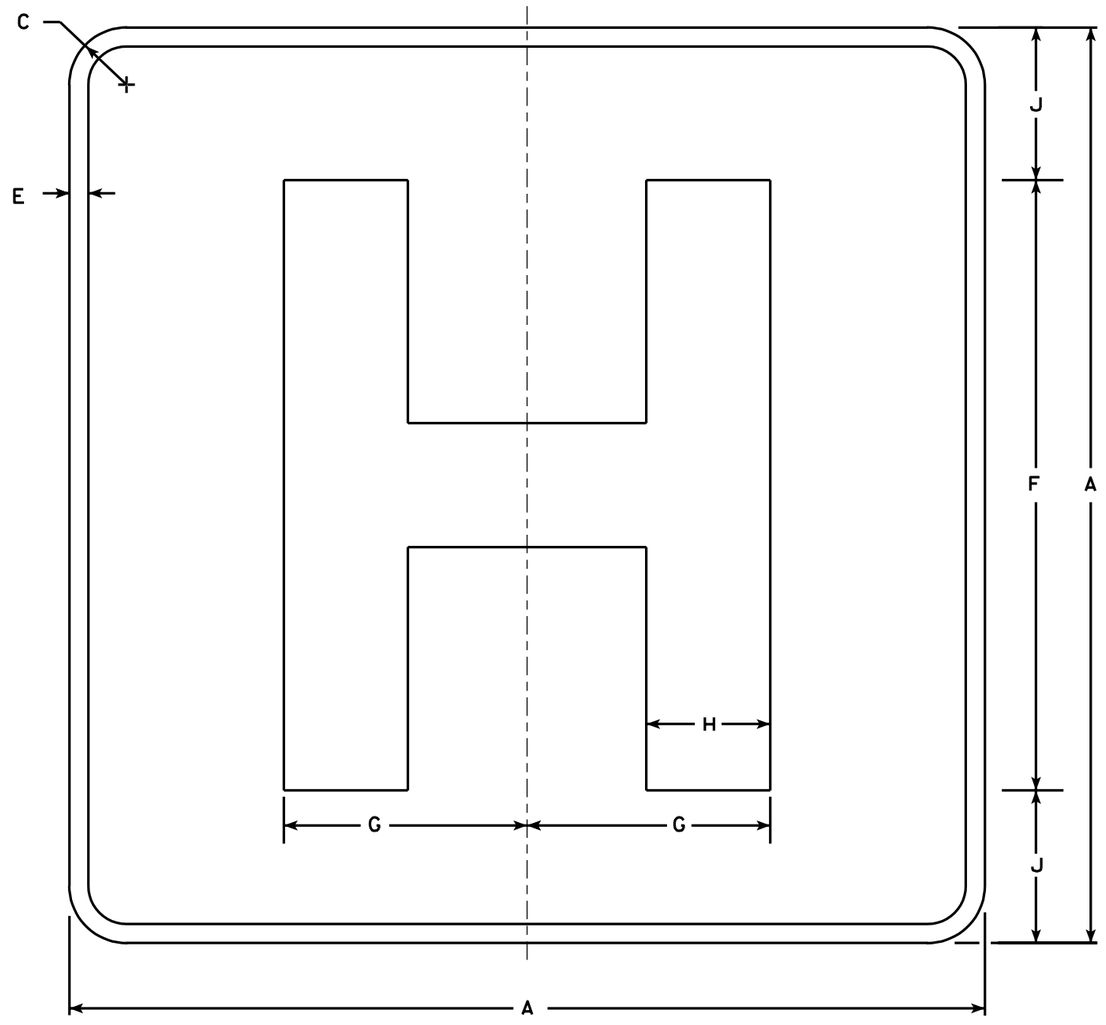
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/12/07 PLATE NO. A5-10.1

PROJECT NO:

SHEET NO: 270 E

FILE NAME : C:\Users\Projects\tr_stdplate\A510.dgn PLOT DATE : 06-AUG-2007 13:37 PLOT BY : ditjph
WISDOT/CADDS SHEET 42



D9-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Blue
   Message - White - Type H Reflective
3. Message Series - E Modified
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

Metric equivalent for this sign is:

SIZE	
1	450 mmX 450 mm
2	600 mmX 600 mm
3	900 mmX 900 mm
4	X
5	X

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18		1 1/8		1/2	12	4 3/4	2 3/8		3																	4.0
2	24		1 1/2		1/2	16	6 3/8	3 1/4		4																	4.0
3	36		2 1/4		3/4	24	9 1/2	4 7/8		6																	9.0
4																											
5																											

STANDARD SIGN
D9-2

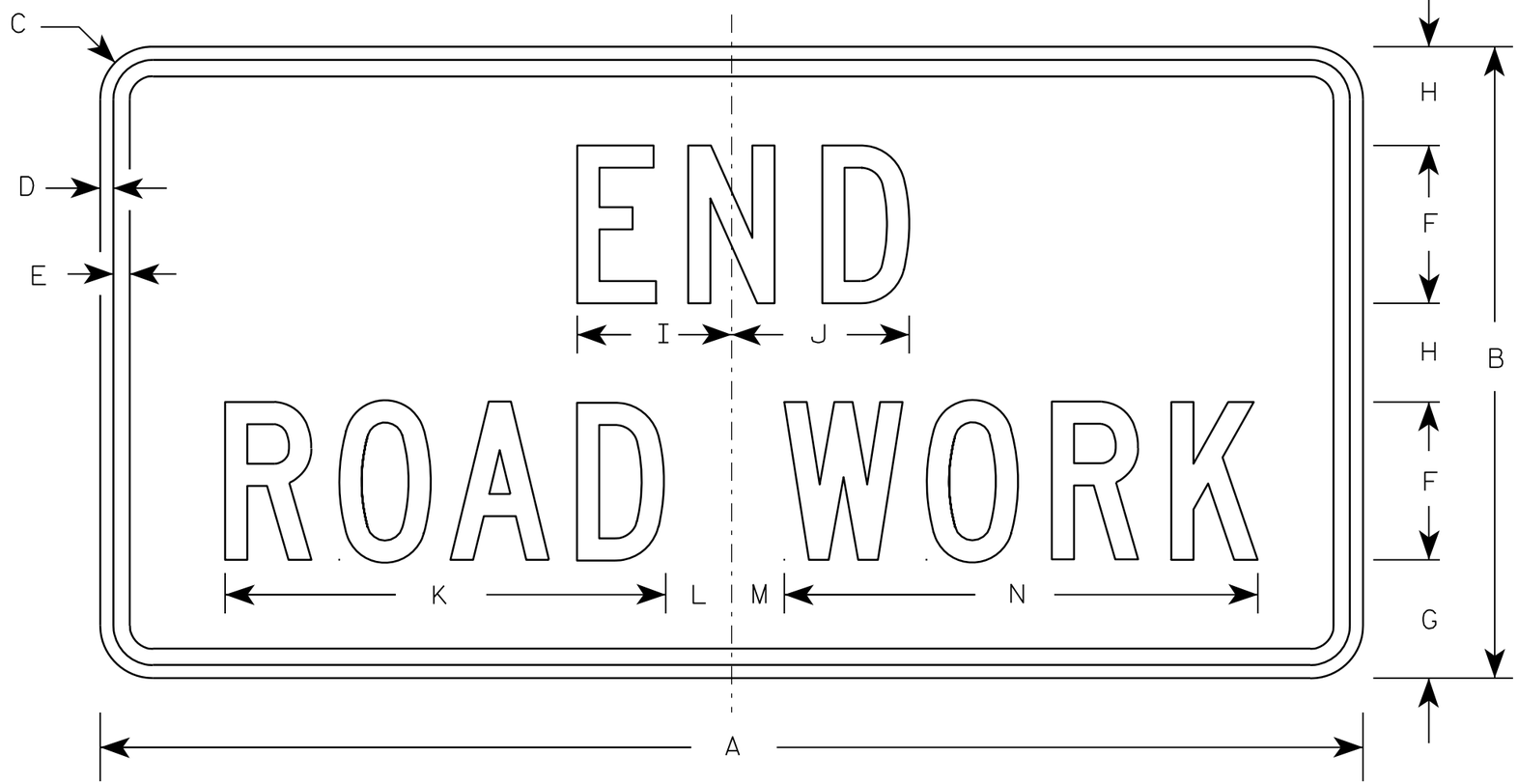
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spong for State Traffic Engineer

DATE 1/15/02 PLATE NO. D9-2.4

PROJECT NO:

SHEET NO: 271 E



G20-2A

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
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.

Metric equivalent for this sign is:

SIZE	
1	900 mm X 450 mm
2	1200 mm X 600 mm
3	1200 mm X 600 mm
4	1200 mm X 600 mm
5	1200 mm X 600 mm

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1	36	18	1 1/8	3/8	1/2	4	3 3/4	2 1/2	4 1/8	4 1/8	11 1/8	2	1	12 1/8													4.5	0.41
2	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
3	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
4	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
5	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72

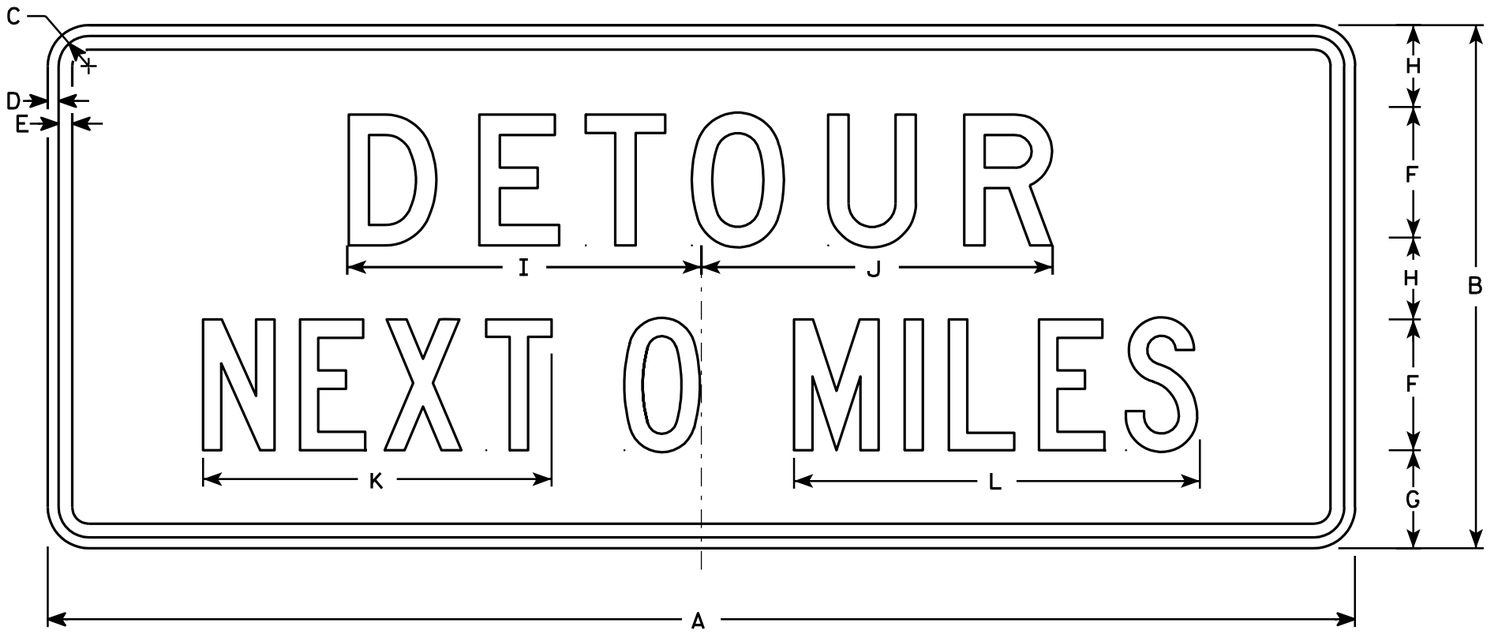
STANDARD SIGN
G20-2A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/30/09 PLATE NO. G20-2A.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 272	E



G20-51

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - Line 1 is D and Line 2 is 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. Substitute appropriate numerals and optically adjust spacing to achieve proper balance

Metric equivalent for this sign is:

SIZE	
1	
2	1500 mm X 600 mm
3	
4	1500 mm X 600 mm
5	

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1																												
2	60	24	1 3/8	1/2	5/8	6	4 1/2	3 3/4	16 1/4	16 1/8	16	18 5/8															10	.90
3																												
4	60	24	1 3/8	1/2	5/8	6	4 1/2	3 3/4	16 1/4	16 1/8	16	18 5/8															10	.90
5																												

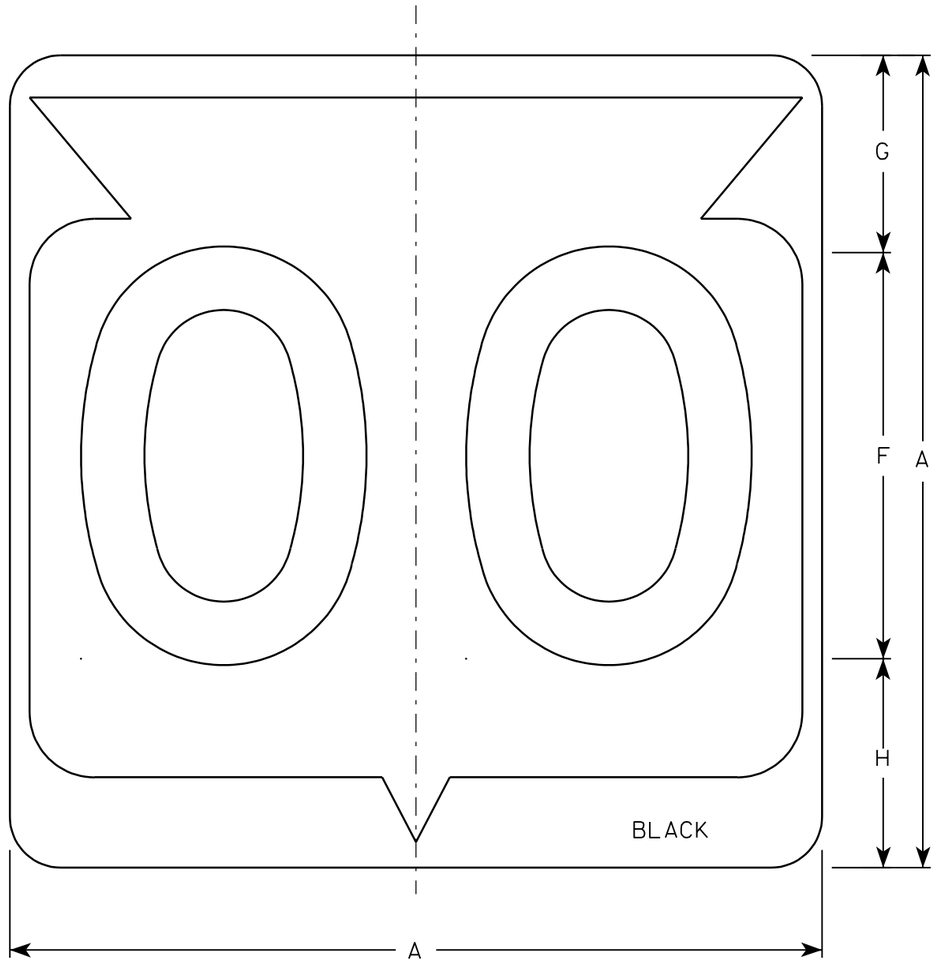
STANDARD SIGN
G20-51

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/20/02 PLATE NO. G20-51.1

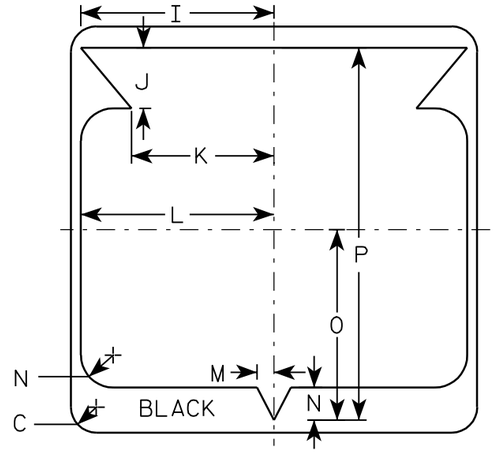
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 273	E



M1-6

NOTES

1. Sign is Type II - See Note 6 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White & Black - See Note 6
   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. Substitute appropriate Series numerals and adjust spacing as per plate A10-1.
6. Permanent Signs
   Background - Type H Reflective
   Detour or temporary Signs
   Background - Reflective



Metric equivalent for this sign is:

SIZE	
1	
2	600 mm X 600 mm
3	900 mm X 900 mm
4	900 mm X 900 mm
5	900 mm X 900 mm

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1																												
2	24		1 1/2			12	5 1/2	6 1/2	10 1/4	2 1/2	8 7/8	11 1/2	1	1 7/8	11 1/4	21 7/8											4.0	.36
3	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0	.81
4	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0	.81
5	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0	.81

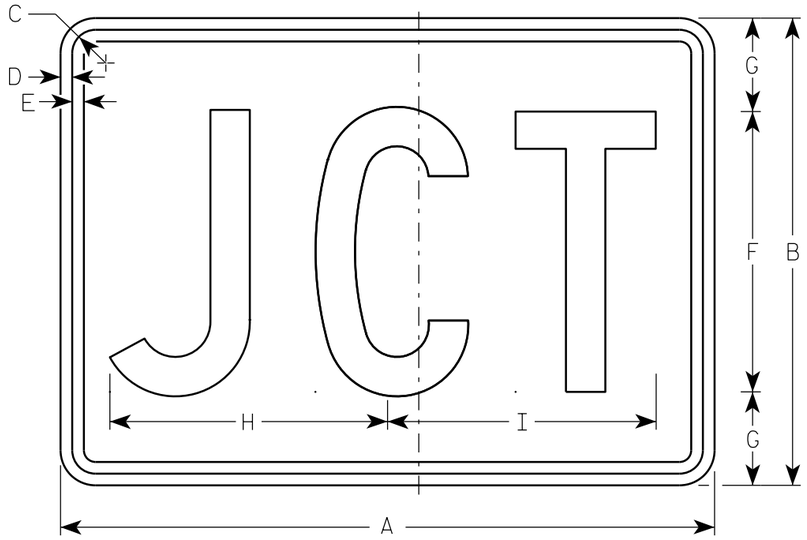
STATE ROUTE MARKER M1-6 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

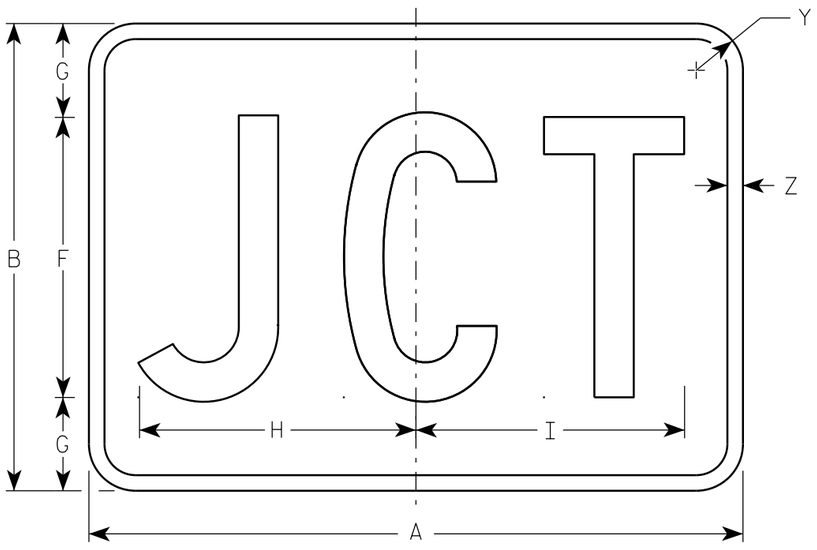
APPROVED Chester J Spang for State Traffic Engineer

DATE 3/20/02 PLATE NO. M1-6.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 274	E



M2-1
MK2-1
MM2-1
MN2-1
MR2-1



MB2-1

NOTES

1. Sign is Type II - Type H
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
   Message - Black
   MB2-1 Background - Blue
   Message - White
   MK2-1 Background - Green
   Message - White
   MM2-1 Background - White
   Message - Green
   MN2-1 Background - Brown
   Message - White
   MR2-1 Background - Brown
   Message - Yellow

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21	15	1 1/8	3/8	3/8	9	3	8 7/8	8 5/8																1 1/2	1/2	2.20
3	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40
4	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40
5	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40

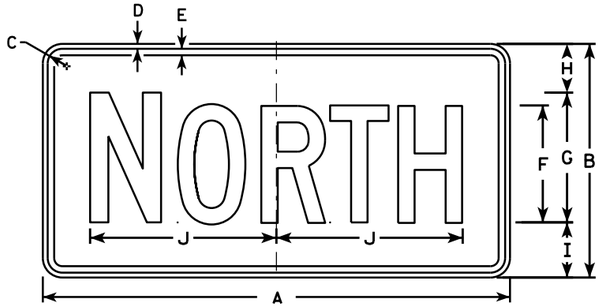
STANDARD SIGN
M2-1

WISCONSIN DEPT OF TRANSPORTATION

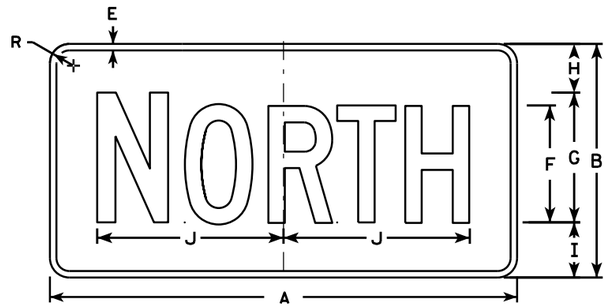
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 6/30/14 PLATE 275 12-1.11

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

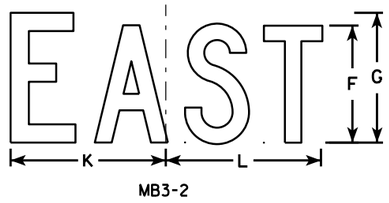


M3-1
MK3-1
MM3-1
MN3-1

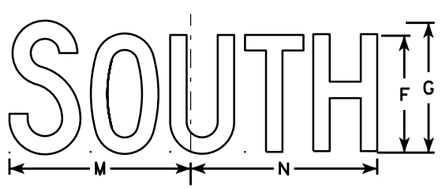


MB3-1

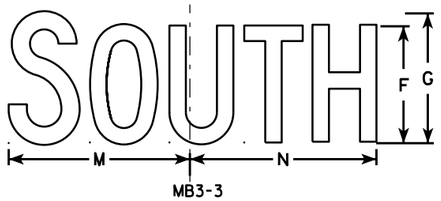
M3-2
MK3-2
MM3-2
MN3-2



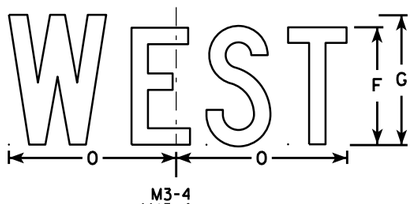
MB3-2



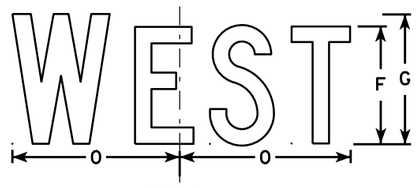
M3-3
MK3-3
MM3-3
MN3-3



MB3-3



M3-4
MK3-4
MM3-4
MN3-4



MB3-4

NOTES

1. All Signs Type II - Type H
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
   Message - Black
   MB3-1 thru MB3-4 Background - Blue
   Message - White
   MK3-1 thru MK3-4 Background - Green
   Message - White
   MM3-1 thru MM3-4 Background - White
   Message - Green
   MN3-1 thru MN3-4 Background - Brown
   Message - White
6. Note the first letter of each direction is larger than the remainder of the message.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	7	2 1/4	2 3/4	10 1/4	7 7/8	8 3/8	10 1/4	9 3/4	8 3/4			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

STANDARD SIGNS
M3-1 thur M3-4
SERIES

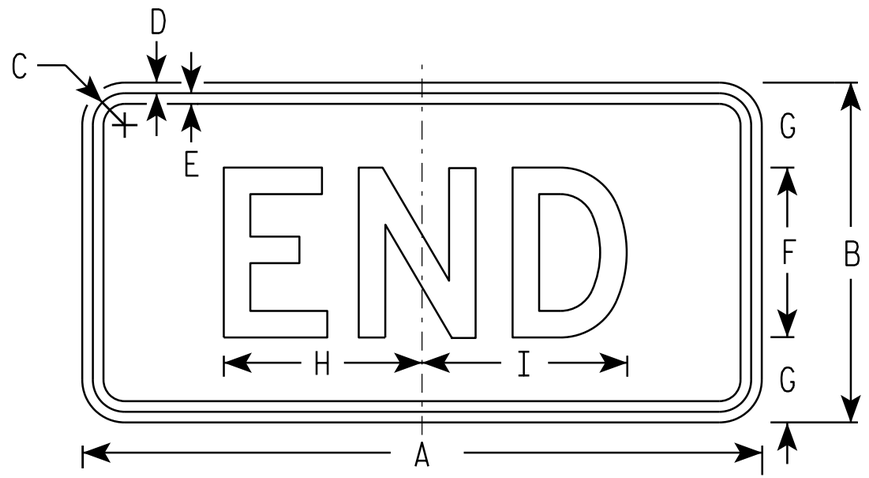
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

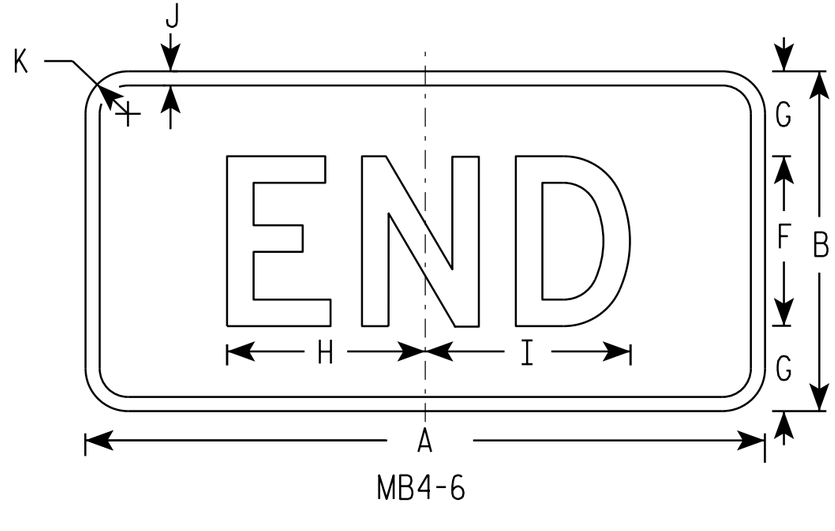
DATE 6/30/14 PLATE NO M3-1.13

PROJECT NO: | HWY: | COUNTY: | | SHEET NO: E

7



M4-6
MK4-6
MM4-6
MN4-6
MR4-6



MB4-6

NOTES

1. Sign is Type II - Type H
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M4-6 Background - White
   Message - Black

   MB4-6 Background - Blue
   Message - White

   MK4-6 Background - Green
   Message - White

   MM4-6 Background - White
   Message - Green

   MN4-6 Background - Brown
   Message - White

   MR4-6 Background - Brown
   Message - Yellow

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	3	7	7 1/4	1/2	1 1/2																2.00
3	36	18	1 1/8	3/8	1/2	9	4 1/2	12	11 7/8	1/2	1 1/2																4.5
4	36	18	1 1/8	3/8	1/2	9	4 1/2	12	11 7/8	1/2	1 1/2																4.5
5	36	18	1 1/8	3/8	1/2	9	4 1/2	12	11 7/8	1/2	1 1/2																4.5

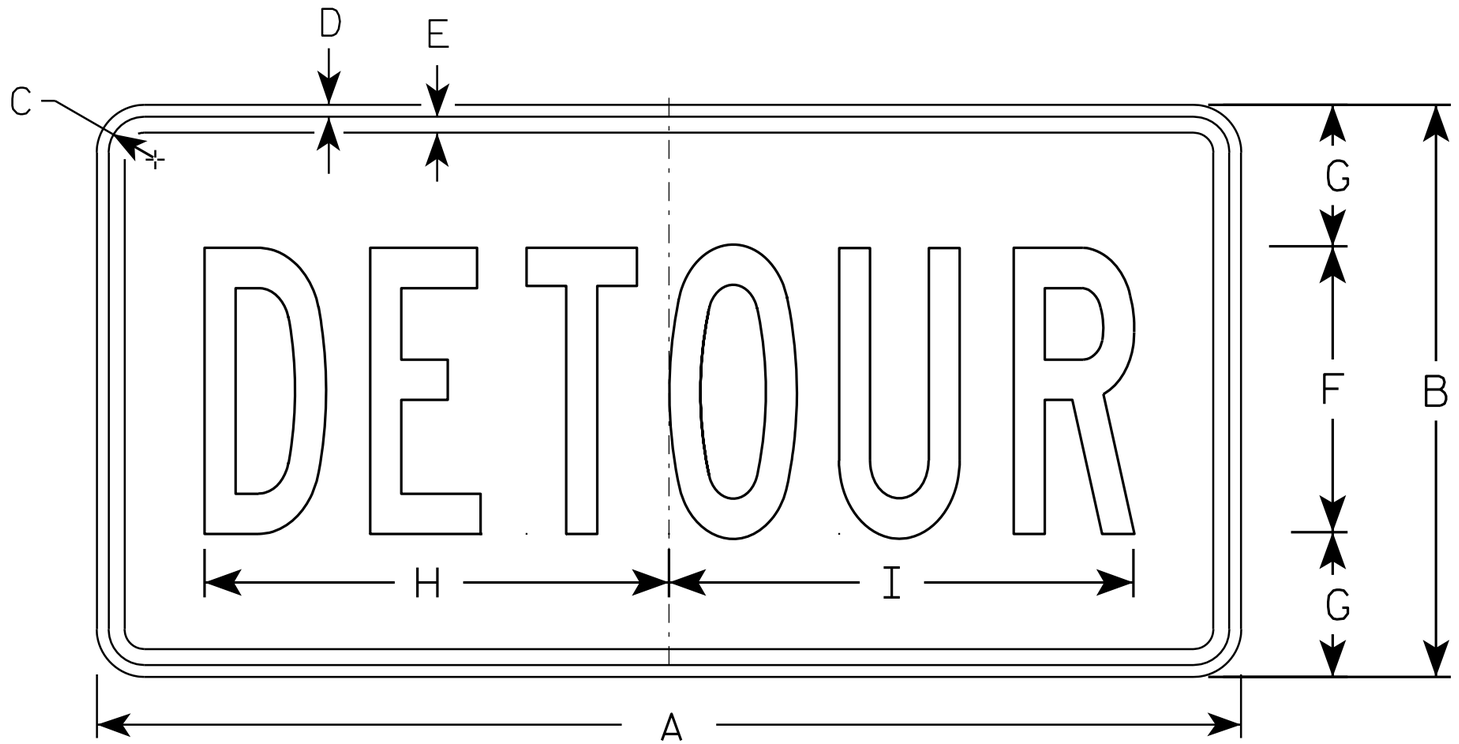
STANDARD SIGN
M4-6

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/30/14 PLATE 277 '14-7.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



M4-8

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - B
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	3	10	10 1/4																		2.0
3	36	18	1 1/8	3/8	1/2	9	4 1/2	14 5/8	14 1/2																		4.5
4																											
5																											

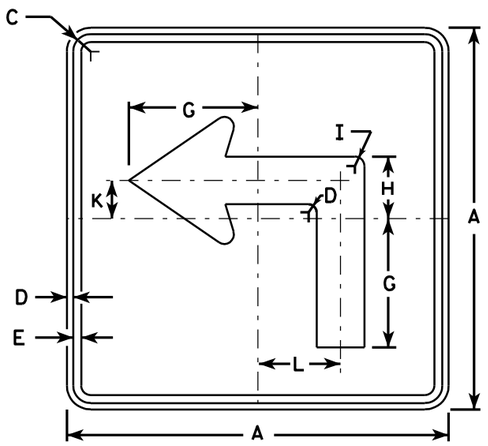
STANDARD SIGN
M4-8

WISCONSIN DEPT OF TRANSPORTATION

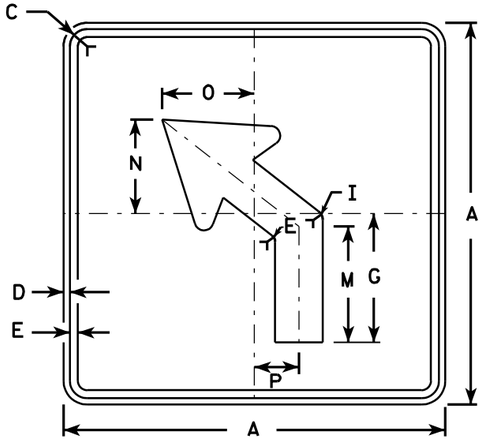
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/10/10 PLATE NO. M4-8.2

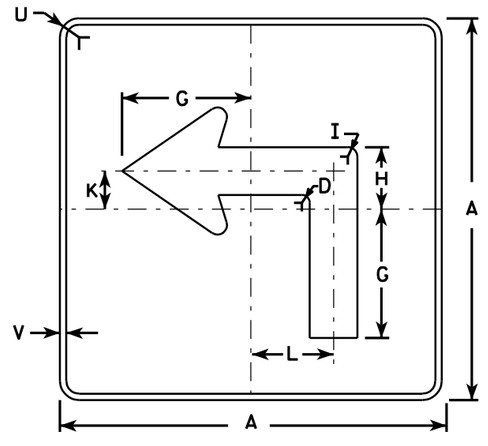
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 278	E



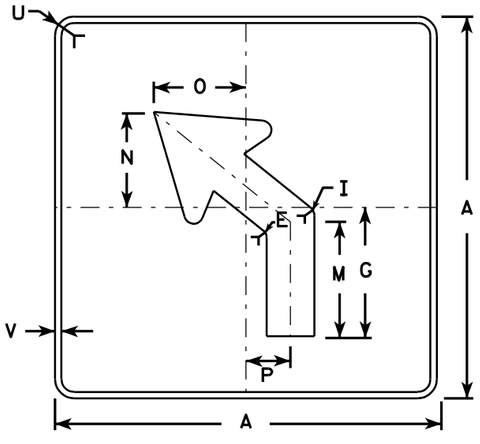
M5-1L
MK5-1L
MM5-1L
MO5-1L
MP5-1L
MR5-1L



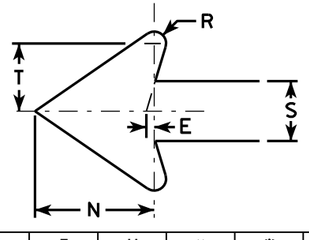
M5-2L
MK5-2L
MM5-2L
MO5-2L
MP5-2L
MR5-2L



MB5-1L
MG5-1L
MN5-1L



MB5-2L
MG5-2L
MN5-2L



NOTES

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. M5-1 and M5-2 Background - White - Type H Reflective
   Message - Black
   MB5-1 and MB5-2 Background - Blue
   Message - White - Type H Reflective
   MG5-1 and MG5-2 Background - Green
   Message - White - Type H Reflective
   MK5-1 and MK5-2 Background - Green
   Message - White Type H Reflective
   MM5-1 and MM5-2 Background - White - Type H Reflective
   Message - Green
   MN5-1 and MN5-2 Background - Brown
   Message - White - Type H Reflective
   MO5-1 and MO5-2 Background - Orange - Type F Reflective
   Message - Black
   MP5-1 and MP5-2 Background - White - Type H Reflective
   Message - Blue
   MR5-1 and MR5-2 Background - Brown
   Message - Yellow - Type H Reflective
5. M5-1R same as M5-1L except arrow points right.
6. M5-2R same as M5-2L except arrow tilts right.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7	3 3/8	5/8		2 1/8	4 1/2	6 3/8	5 1/4	5	2 1/2		1/2	2 5/8	3	1 1/2	1/2					3.06
3	30		1 3/8	1/2	5/8		10 1/8	4 1/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25
4	30		1 3/8	1/2	5/8		10 1/8	4 1/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25
5	30		1 3/8	1/2	5/8		10 1/8	4 1/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25

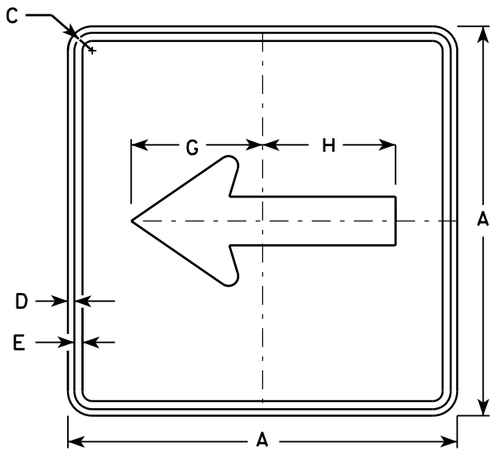
STANDARD SIGN
M5-1 & M5-2

WISCONSIN DEPT OF TRANSPORTATION

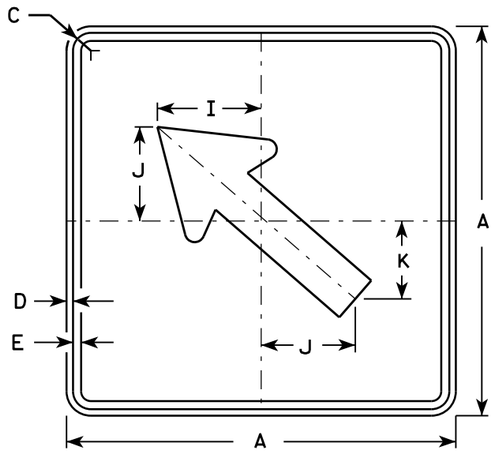
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/29/13 PLATE NO. M5-1.12

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 279	E



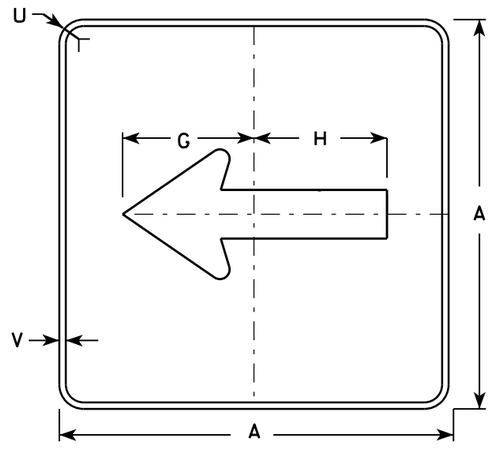
M6-1
MK6-1
MM6-1
MN6-1
MO6-1
MP6-1
MR6-1



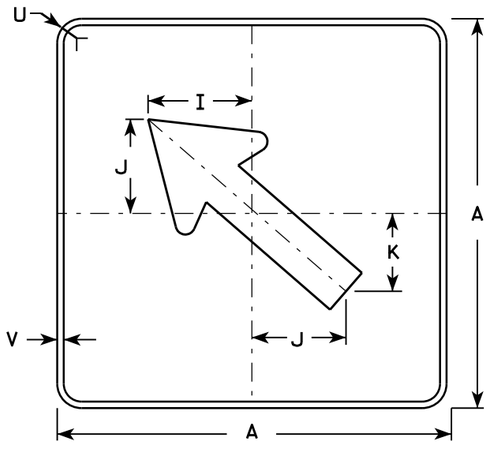
M6-2
MK6-2
MM6-2
MN6-2
MO6-2
MP6-2
MR6-2

NOTES

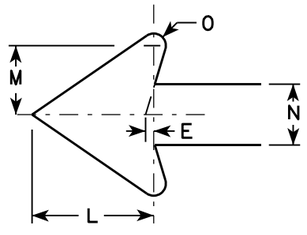
1. Signs are Type II - Type H except as Shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-1 and M6-2 Background - White
   Message - Black
   MB6-1 and MB6-2 Background - Blue
   Message - White
   MG6-1 and MG6-2 Background - Green
   Message - White
   MK6-1 and MK6-2 Background - Green
   Message - White
   MM6-1 and MM6-2 Background - White
   Message - Green
   MN6-1 and MN6-2 Background - Brown
   Message - White
   MO6-1 and MO6-2 Background - Orange - Type F Reflective
   Message - Black
   MP6-1 and MP6-2 Background - White
   Message - Blue
   MR6-1 and MR6-2 Background - Brown
   Message - Yellow



MB6-1



MB6-2



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7 1/2	7 1/8	5 5/8	5	4 1/4	5 1/4	3	2 5/8	1/2						1 1/2	1/2						3.06
3	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 7/8	1/2						6.25
4	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 7/8	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 7/8	1/2						6.25

STANDARD SIGN M6-1 & M6-2 SERIES

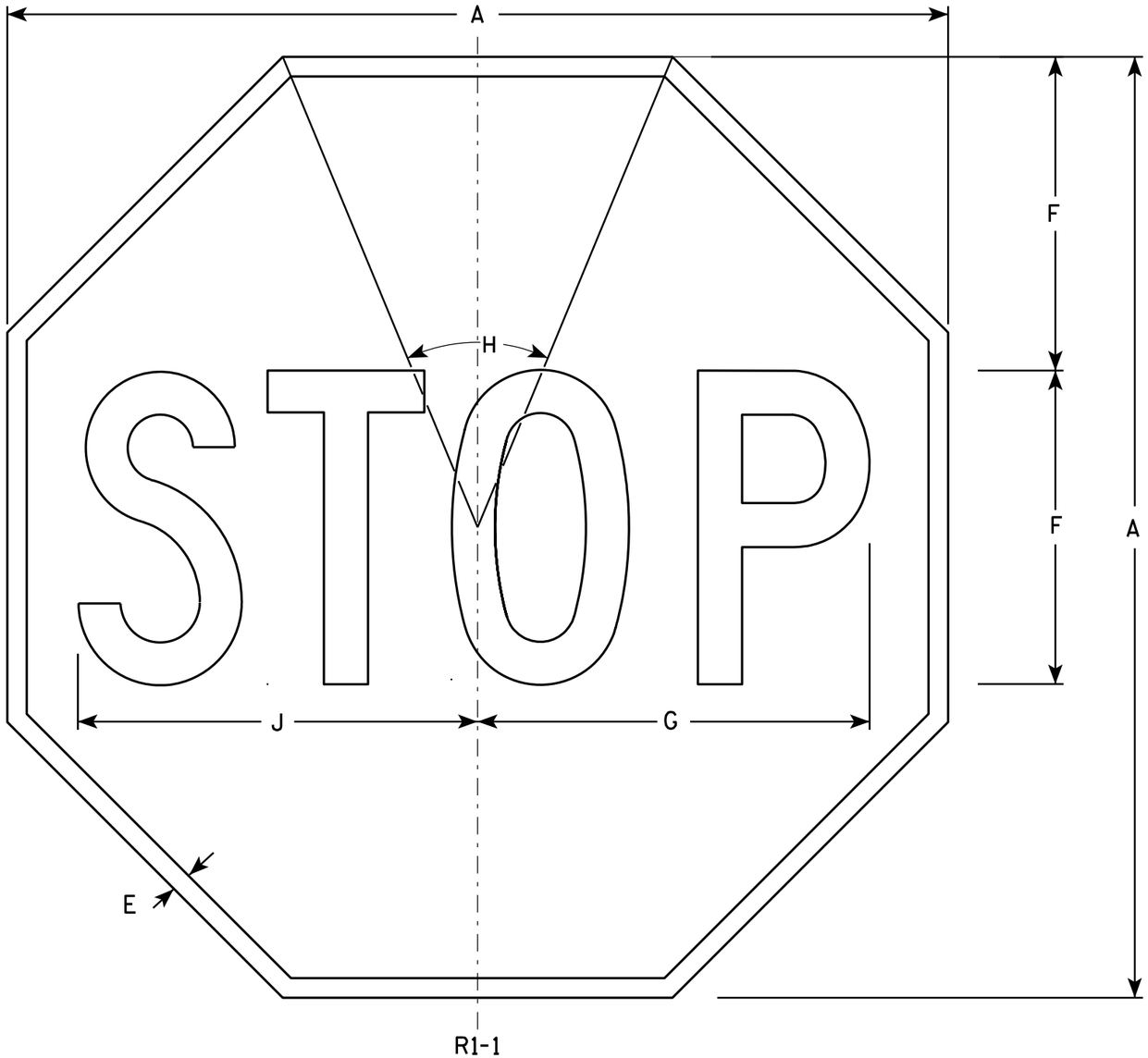
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/03/14 PLATE 280 M6-1.14

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\M61.DGN PLOT DATE : 03-JUL-2014 14:28 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 11.675051:1.000000



NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
   Message - White
3. Message Series - C

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24				3/8	8	10	45°		10 1/4																	3.31
2S	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2M	36				3/4	12	15	45°		15 3/8																	7.46
3	36				3/4	12	15	45°		15 3/8																	7.46
4	48				1	16	20	45°		20 1/2																	13.25
5	48				1	16	20	45°		20 1/2																	13.25
6	18				3/8	6	7 3/4	45°		7 3/4																	1.86
7	12				1/4	4	5	45°		5 1/8																	0.78

STANDARD SIGN
R1-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/03/10 PLATE NO. R1-1.12

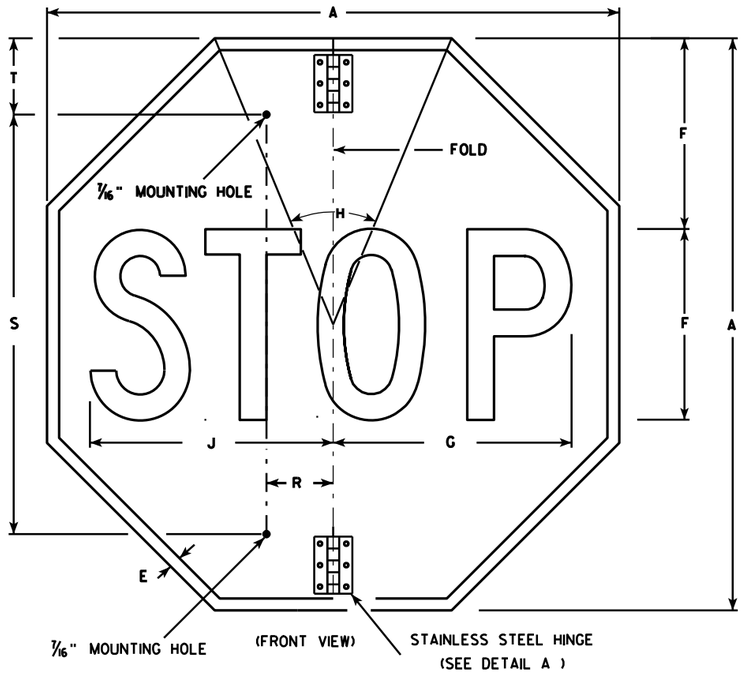
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 281	E

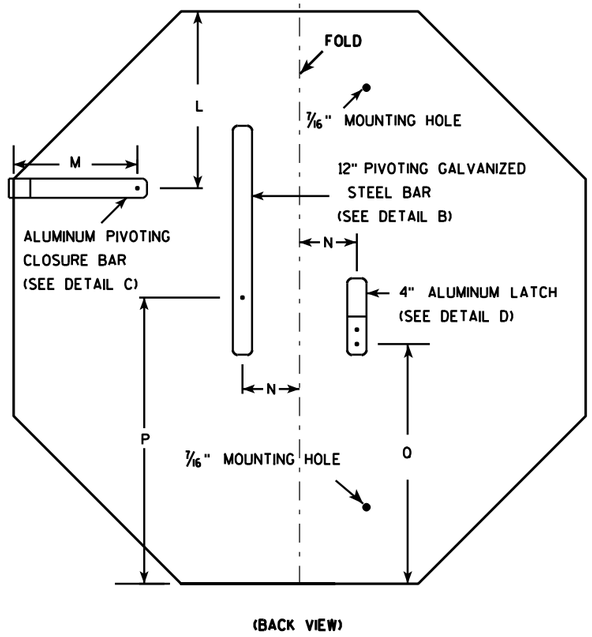
FILE NAME : C:\Users\PROJECTS\tr_stdplate\R11.DGN PLOT DATE : 02-DEC-2010 15:09 PLOT BY : dotsja PLOT NAME : PLOT SCALE : 4.469282:1.000000

WISDOT/CADDS SHEET 42

7

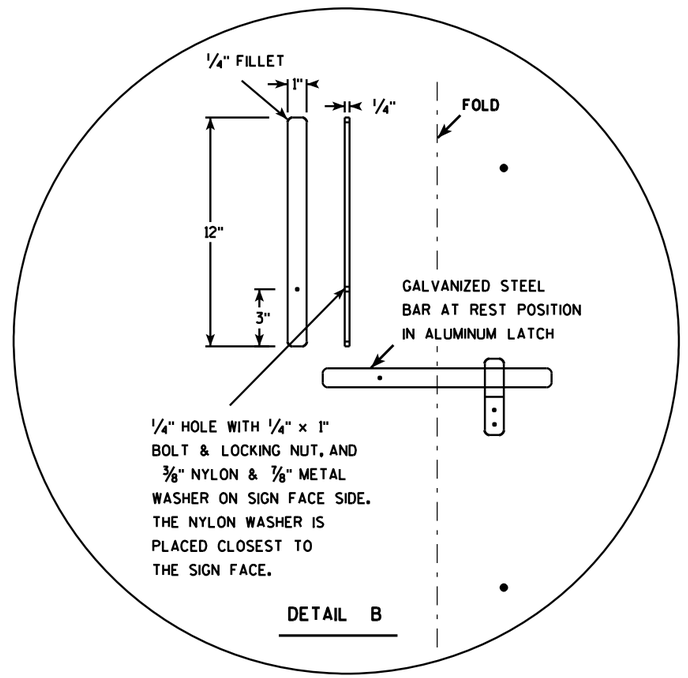
7

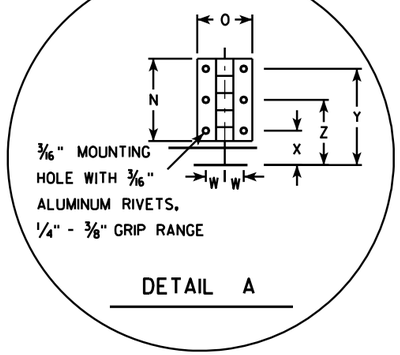


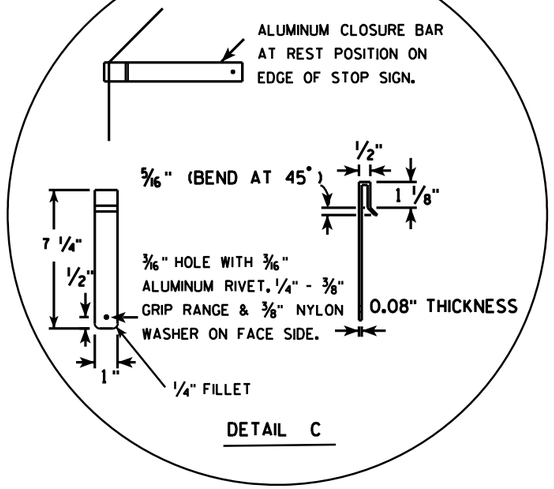


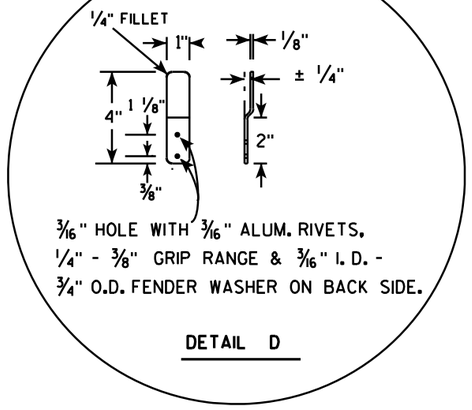
NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
   Message - White
3. Message Series - C
4. All hardware used on the folding STOP sign installation shall conform to 637.2.4 of the WIS DOT Standard Specification.









SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30				5/8	10	12 1/2	45		12 3/4		9 1/4	6 1/2	3	2	15	12 3/8	2 1/2	22	5			11/16	1 1/4	3 1/2	2 3/8	5.18
2M	36				3/4	12	15	45		15 3/8		11	6 1/2	3	2	18	15 3/8	2 1/2	26	5			11/16	1 1/4	3 1/2	2 3/8	7.46
3	36				3/4	12	15	45		15 3/8		11	6 1/2	3	2	18	15 3/8	2 1/2	26	5			11/16	1 1/4	3 1/2	2 3/8	7.46
4																											
5																											

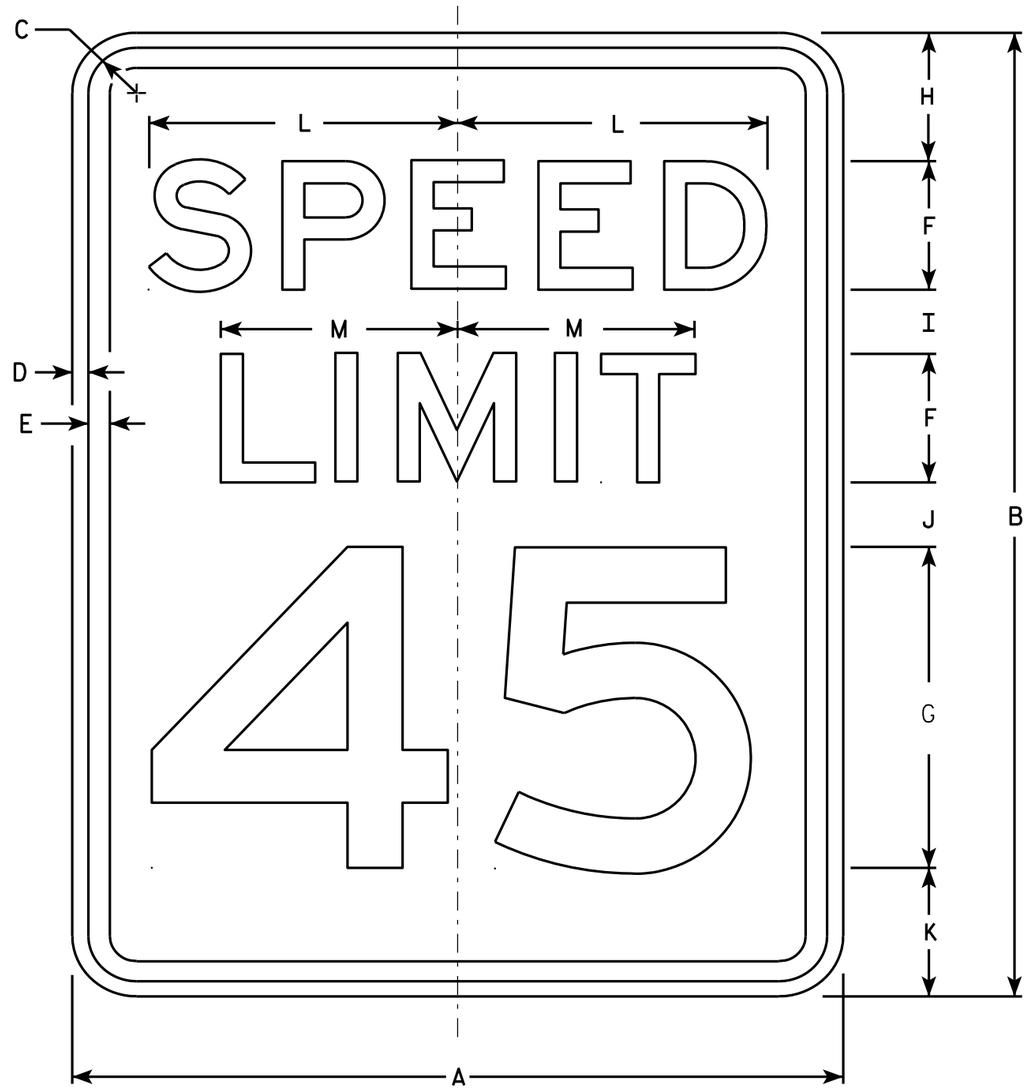
STANDARD SIGN
R1-1F

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/03/10 PLATE NO. R1-1F.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 282	E



R2-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals and optically adjust spacing to achieve proper balance.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	24	1 1/8	3/8	1/2	3	8	3	2	2	3	7 1/4	5 1/2														3.0
2S	24	30	1 1/8	3/8	1/2	4	10	3	2 1/4	3 3/8	3 3/8	9 5/8	7 3/8														5.0
2M	30	36	1 3/8	1/2	5/8	5	12	5	2 1/2	2 1/2	4	12	9 1/4														7.5
3	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
4	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
5	48	60	2 1/4	3/4	1	8	20	6	4 1/2	6 3/4	6 3/4	19 1/4	14 5/8														20.0

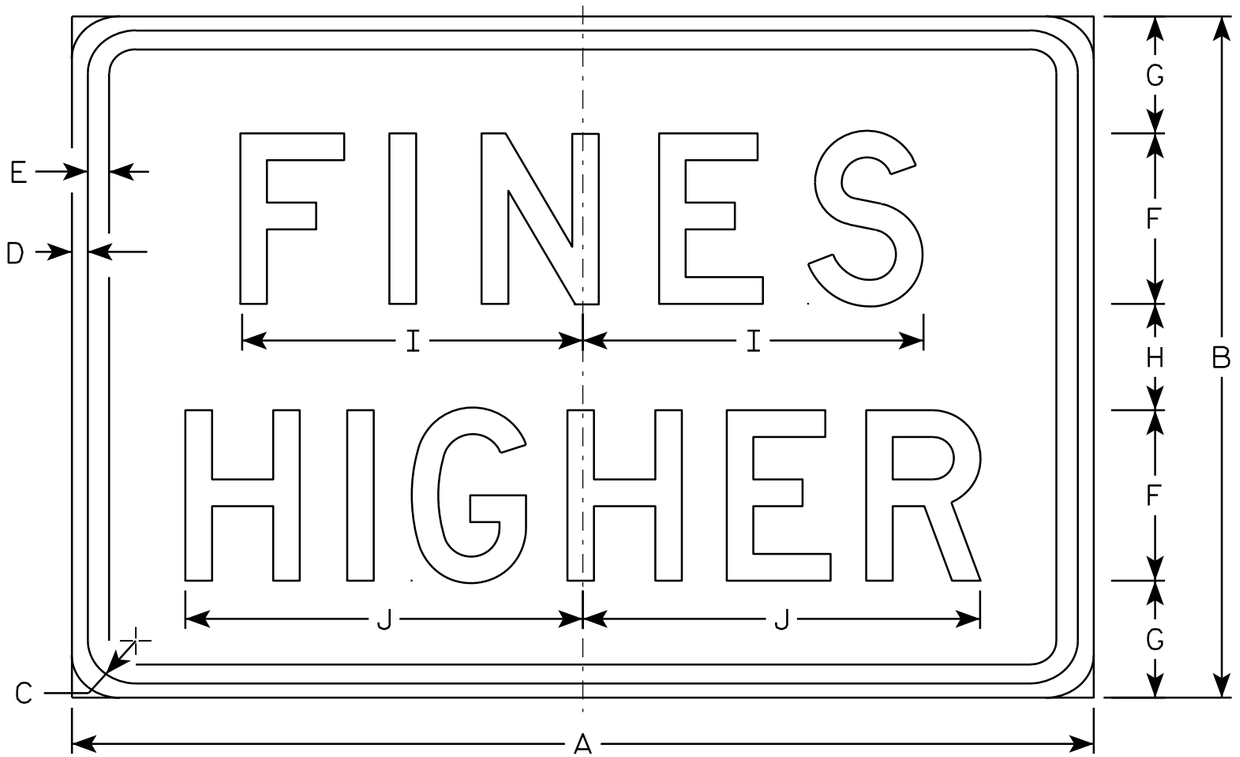
STANDARD SIGN
R2-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/26/10 PLATE NO. R2-1.13

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 283 | E



R2-6P

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	18	1 1/8	3/8	3/8	4	3 1/2	3	7 5/8	9 1/4																	3.0
2M	24	18	1 1/8	3/8	3/8	4	3 1/2	3	7 5/8	9 1/4																	3.0
3	36	24	1 1/8	3/8	1/2	6	4 1/8	3 3/4	12	14																	6.0
4	36	24	1 1/8	3/8	1/2	6	4 1/8	3 3/4	12	14																	6.0
5	48	36	1 3/8	1/2	5/8	8	7	6	15 1/8	19																	12.0

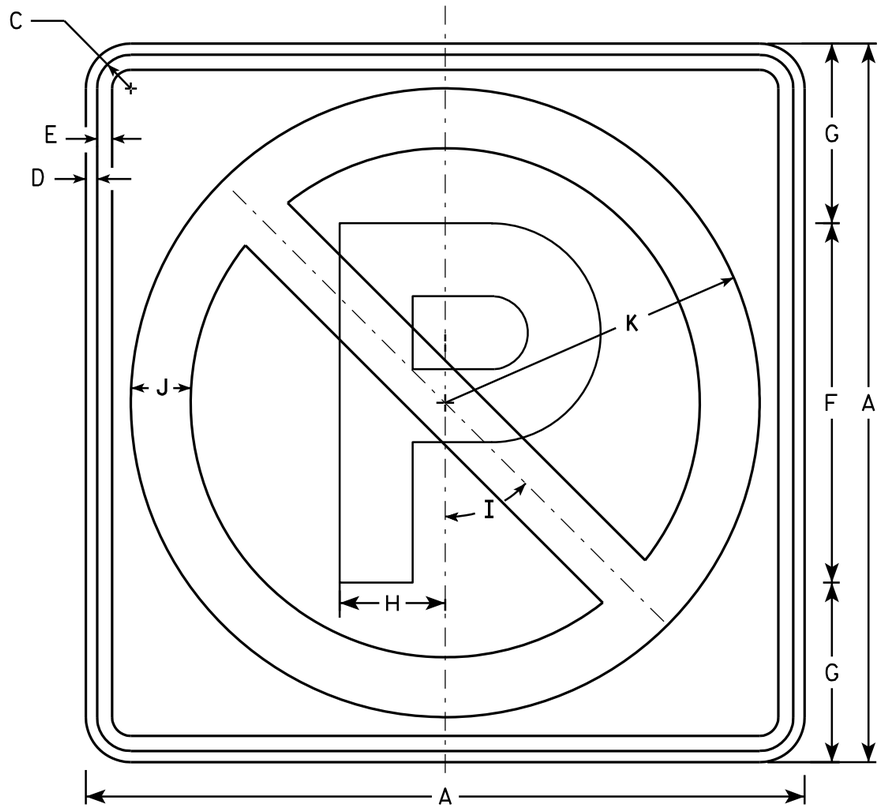
STANDARD SIGN
R2-6P

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/20/10 PLATE NO. R2-6P.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 284 | E



R3-8A

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - 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. Border & Letter P are non reflective black, the circle with diagonal bar is reflective red.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24		1 1/8	3/8	1/2	12	6	3 1/2	45°	2	10 1/2																4.0
2M	24		1 1/8	3/8	1/2	12	6	3 1/2	45°	2	10 1/2																4.0
3																											
4																											
5																											

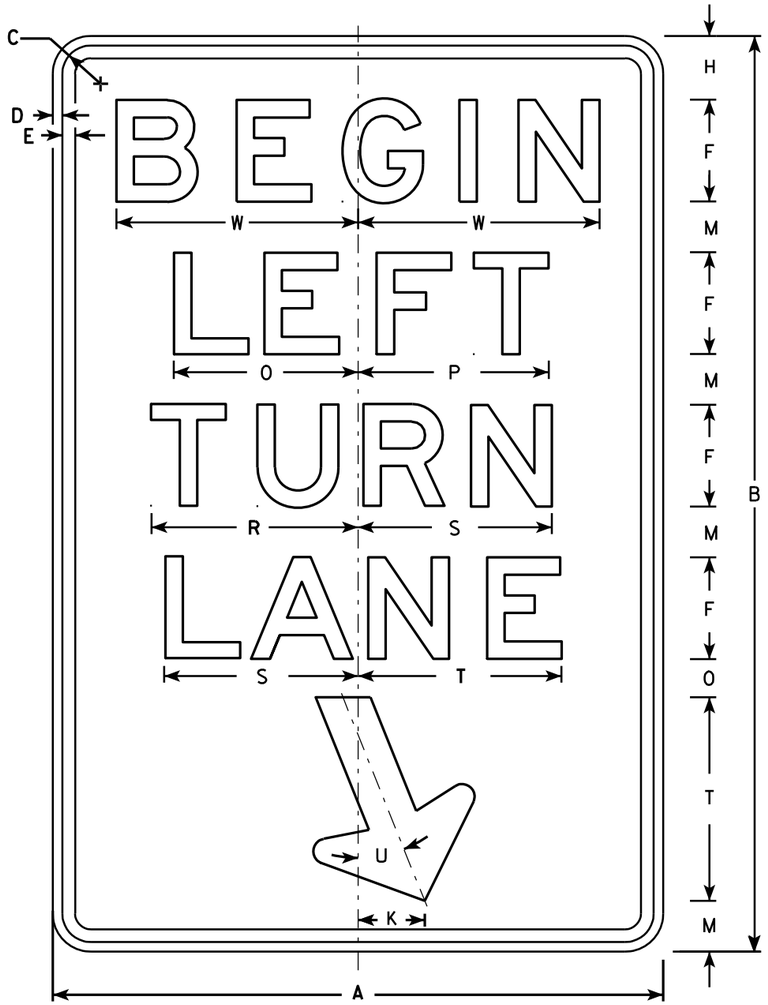
STANDARD SIGN
R3-8A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/01/12 PLATE NO. R3-8A.1

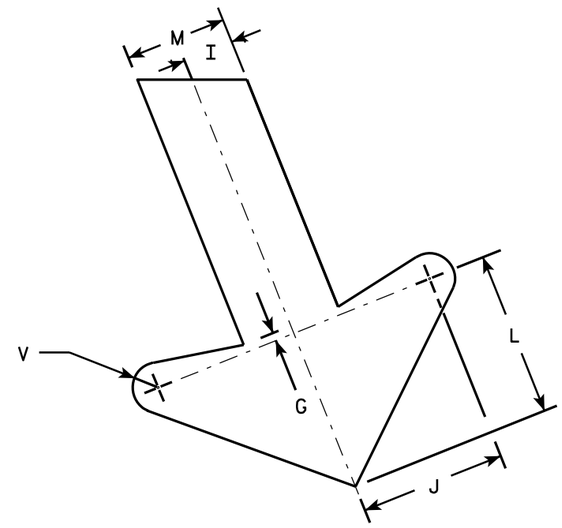
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 285 | E



R3-20L

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	7 1/4	7 1/2		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
2M	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	7 1/4	7 1/2		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
3	36	54	1 3/4	1/2	5/8	6	3/8	3 3/4	1 1/2	4 1/4	4	4 7/8	3	2 1/4	10 7/8	11 1/4		12 1/4	11 1/2	12	22°	3/4	13 1/4				13.5
4																											
5																											

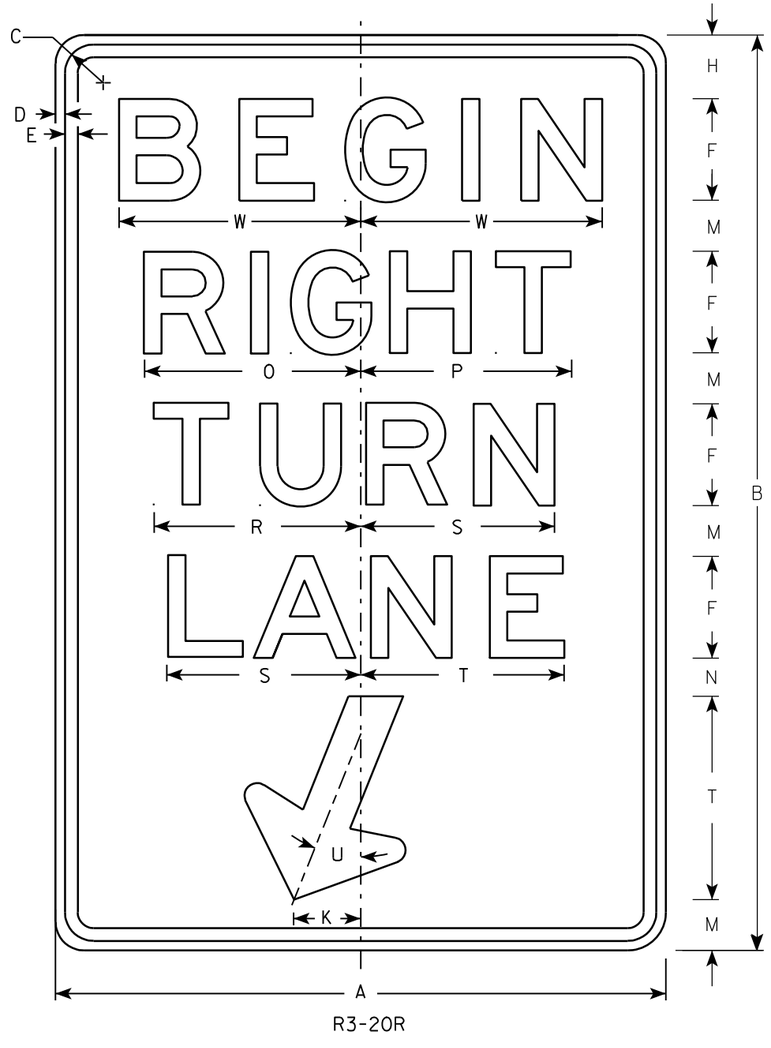
STANDARD SIGN
R3-20L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/18/10 PLATE NO. R3-20L.7

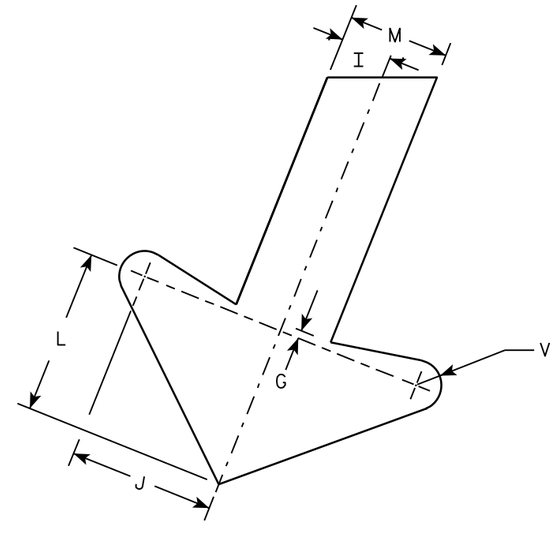
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 286 | E



R3-20R

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	8 1/2	8 1/4		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
2M	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	8 1/2	8 1/4		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
3	36	54	1 3/4	1/2	5/8	6	3/8	3 3/4	1 1/2	4 1/4	4	4 7/8	3	2 1/4	12 3/4	12 1/2		12 1/4	11 1/2	12	22°	3/4	13 1/4				13.5
4																											
5																											

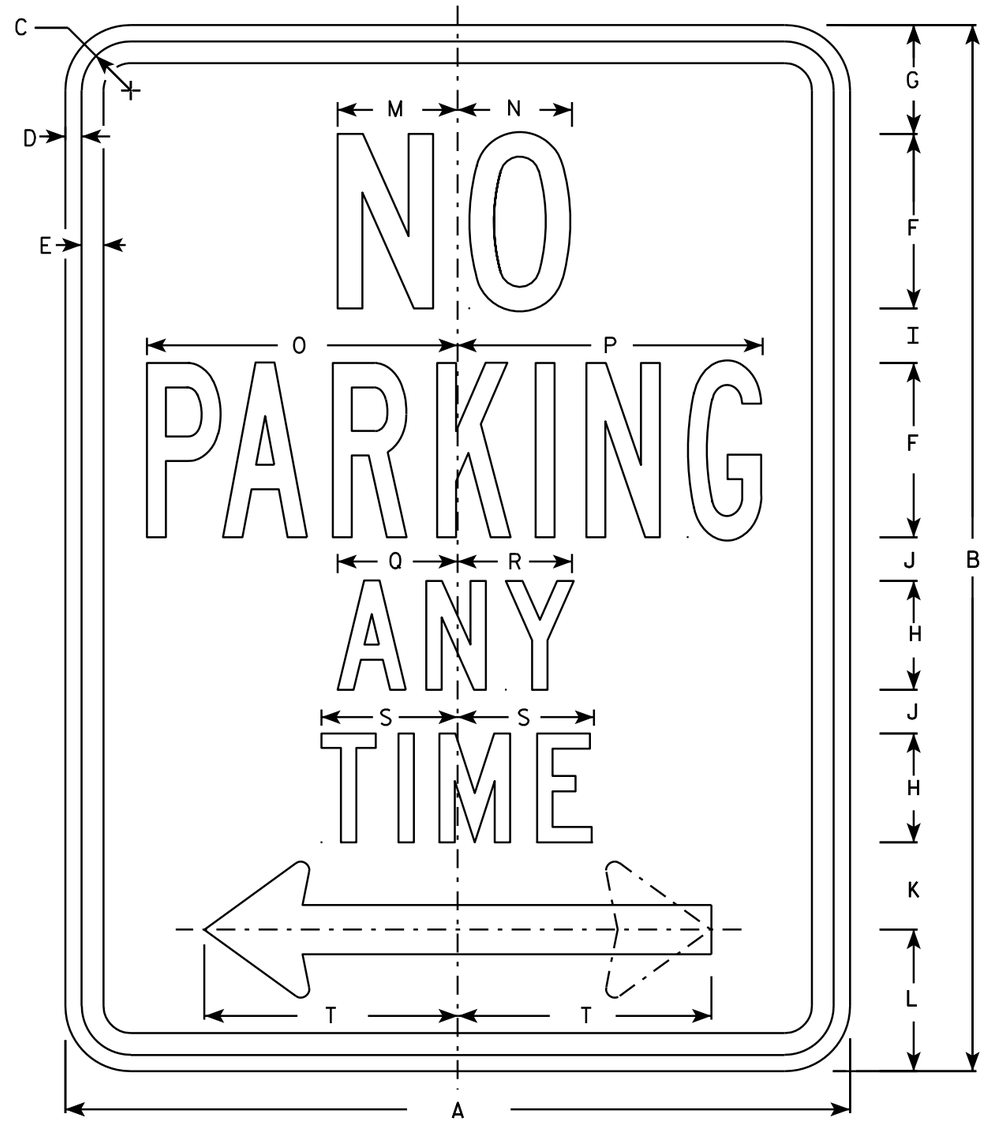
STANDARD SIGN
R3-20R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/18/10 PLATE NO. R3-20R.6

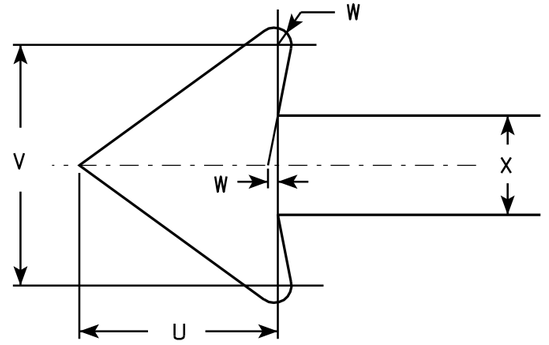
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 287 | E



R7-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Red
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. Lines 1, 3 and 4 are series C, line 2 is series B.
6. R7-1D (double arrow)
   R7-1L (left arrow)
   R7-1R (right arrow)



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	12	18	1 1/8	3/8	3/8	3	1 7/8	2	7/8	5/8	1 1/2	2 1/2	2	2	4 7/8	4 7/8	2 1/4	2 1/8	2 1/2	3 7/8	1 1/2	1 3/4	1/8	3/4			1.5
2S	18	24	1 1/8	3/8	1/2	4	2 1/2	2 1/2	1 1/4	1	2	3 1/4	2 3/4	2 5/8	7 1/8	7	2 3/4	2 5/8	3 1/8	5 7/8	2 1/4	2 5/8	1/4	1 1/8			3.0
2M	24	30	1 1/8	3/8	1/2	5	3	3	2	1 1/4	2 1/2	4	3 1/4	3 3/8	9 1/4	9 1/4	3 1/4	3 1/4	3 3/4	7 3/4	3	3 1/2	1/4	1 1/2			5.0
3	24	30	1 1/8	3/8	1/2	5	3	3	2	1 1/4	2 1/2	4	3 1/4	3 3/8	9 1/4	9 1/4	3 1/4	3 1/4	3 3/4	7 3/4	3	3 1/2	1/4	1 1/2			5.0
4																											
5																											

STANDARD SIGN
R7-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

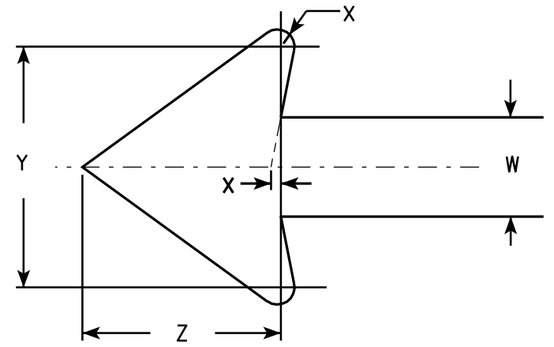
DATE 3/31/2011 PLATE NO. R7-1.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 288	E

R7-53

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Red
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. Lines 1, 3 and 4 are series C, line 2 is series B.
6. R7-53D (double arrow)
   R7-53L (left arrow)
   R7-53R (right arrow)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	12	18	1 1/8	3/8	3/8	3	1 7/8	2	7/8	5/8	1 1/2	2 1/2	2	2	4 7/8	4 7/8	2 5/8	1 3/4	1/4	4 1/2	2 3/8	3 7/8	3/4	1/8	1 3/4	1 1/2	1.5
2S	18	24	1 1/8	3/8	1/2	4	2 1/2	2 1/2	1 1/4	1	2	3 1/4	2 3/4	2 5/8	7 1/8	7	3 3/8	1 1/2	5/8	5 3/8	3	5 7/8	1 1/8	1/4	2 5/8	2 1/4	3.0
2M	24	30	1 1/8	3/8	1/2	5	3	3	2	1 1/4	2 1/2	4	3 1/4	3 3/8	9 1/4	9 1/4	4	2	5/8	6 5/8	3 5/8	7 3/4	1 1/2	1/4	3 1/2	3	5.0
3	24	30	1 1/8	3/8	1/2	5	3	3	2	1 1/4	2 1/2	4	3 1/4	3 3/8	9 1/4	9 1/4	4	2	5/8	6 5/8	3 5/8	7 3/4	1 1/2	1/4	3 1/2	3	5.0
4																											
5																											

STANDARD SIGN
R7-53

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/31/2011 PLATE NO. R7-53.6

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 289	E

R9-9

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 3/4	1/2	1/2	4	3 1/2	3	10 3/4	8 1/8																	3.75
2M	30	18	1 3/4	1/2	1/2	4	3 1/2	3	10 3/4	8 1/8																	3.75
3																											
4																											
5																											

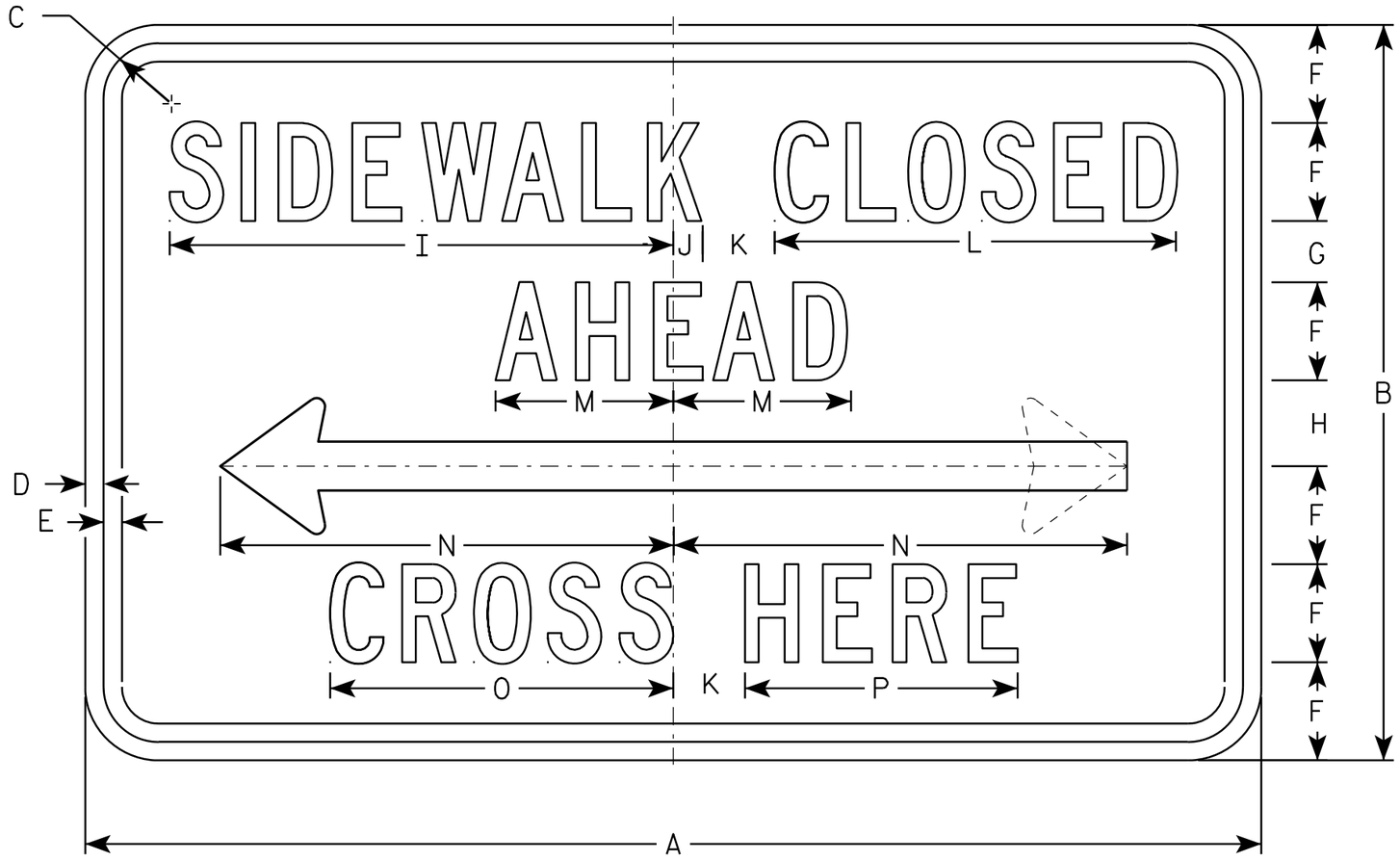
STANDARD SIGN
R9-9

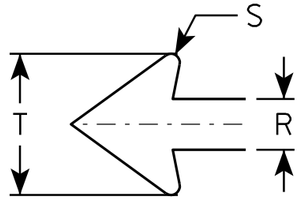
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/1/2011 PLATE NO. R9-9.5

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 290	E





R9-11

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - C except Size 1 is Series D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24	12	1 1/8	3/8	3/8	1 1/2	1 1/2	1 1/2	9 3/4	5/8	1 1/2	7 5/8	3 1/2	9 1/4	6 5/8	5 1/8		1	1/8	2 3/4							2.0
2S	48	30	2 3/4	3/4	3/4	4	2 1/2	3 1/2	20 1/2	1 1/4	3	16 3/8	7 1/4	18 1/2	14	11 1/8		2	3/8	5 1/2							10.0
2M	48	30	2 3/4	3/4	3/4	4	2 1/2	3 1/2	20 1/2	1 1/4	3	16 3/8	7 1/4	18 1/2	14	11 1/8		2	3/8	5 1/2							10.0
3																											
4																											
5																											

STANDARD SIGN
R9-11

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/17/2012 PLATE NO. R9-11.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 291	E

R10-71

R10-71L

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

R10-71R

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	R10-71L&R Area sq. ft.	R10-71 Area sq. ft.
1																												
2S	72	36	2 1/4	3/4	1	18	5	4	6	20 5/8	11 3/4	9 1/8	8 1/2	12 7/8	9 7/8	16 1/8	23 7/8	30	5 5/8	26 3/4	66	23 5/8	8 3/4	13	26 7/8	27	18.0	16.5
2M	72	36	2 1/4	3/4	1	18	5	4	6	20 5/8	11 3/4	9 1/8	8 1/2	12 7/8	9 7/8	16 1/8	23 7/8	30	5 5/8	26 3/4	66	23 5/8	8 3/4	13	26 7/8	27	18.0	16.5
3																												
4																												
5																												

STANDARD SIGN
R10-71

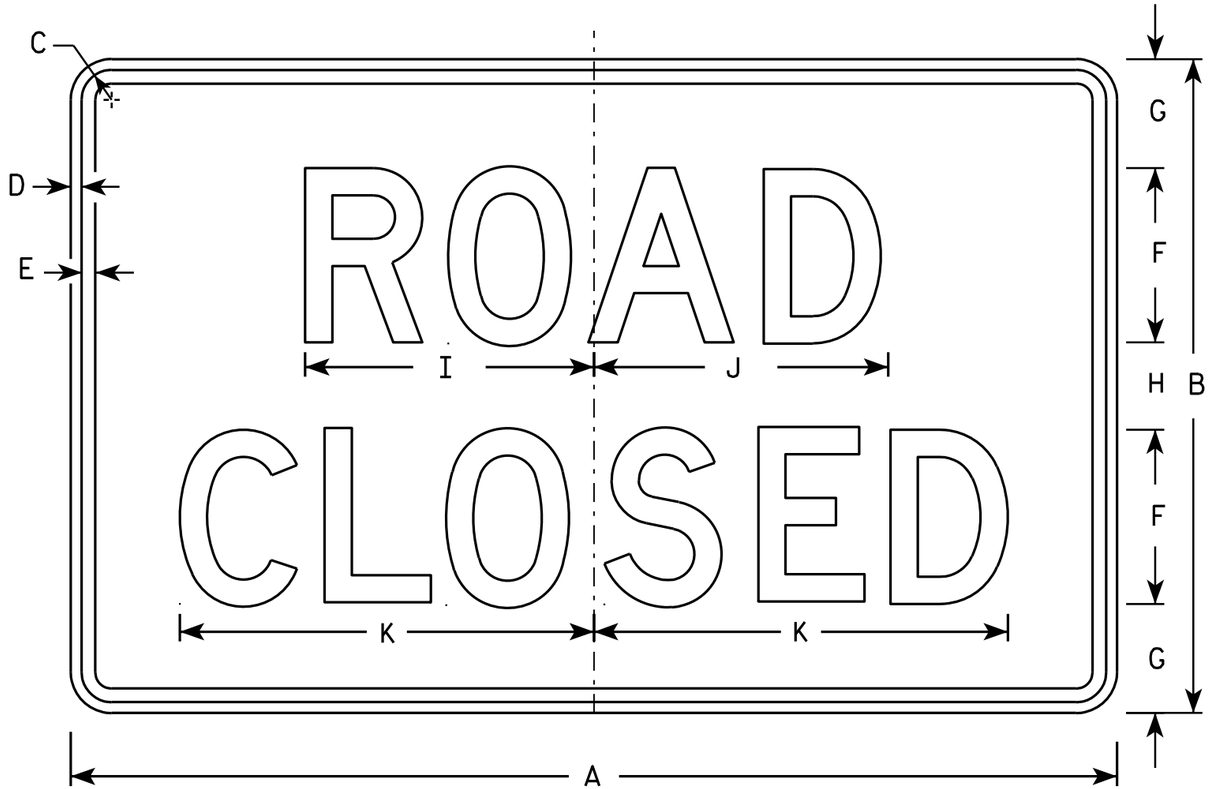
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/4/11 PLATE NO. R10-71.3

PROJECT NO:

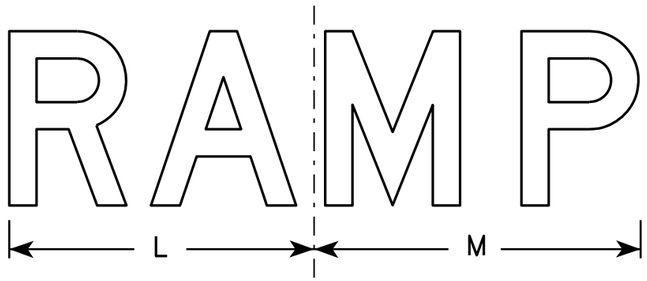
SHEET NO: 292 E



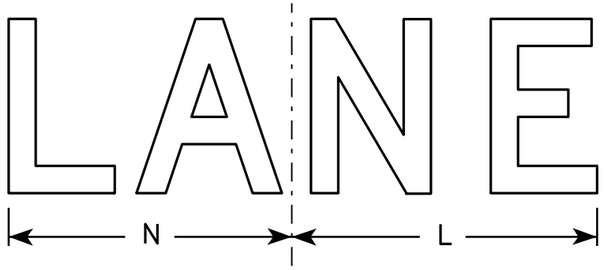
R11-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Modify the message as required.



R11-2R



R11-2L

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
2M	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
3	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
4	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
5	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0

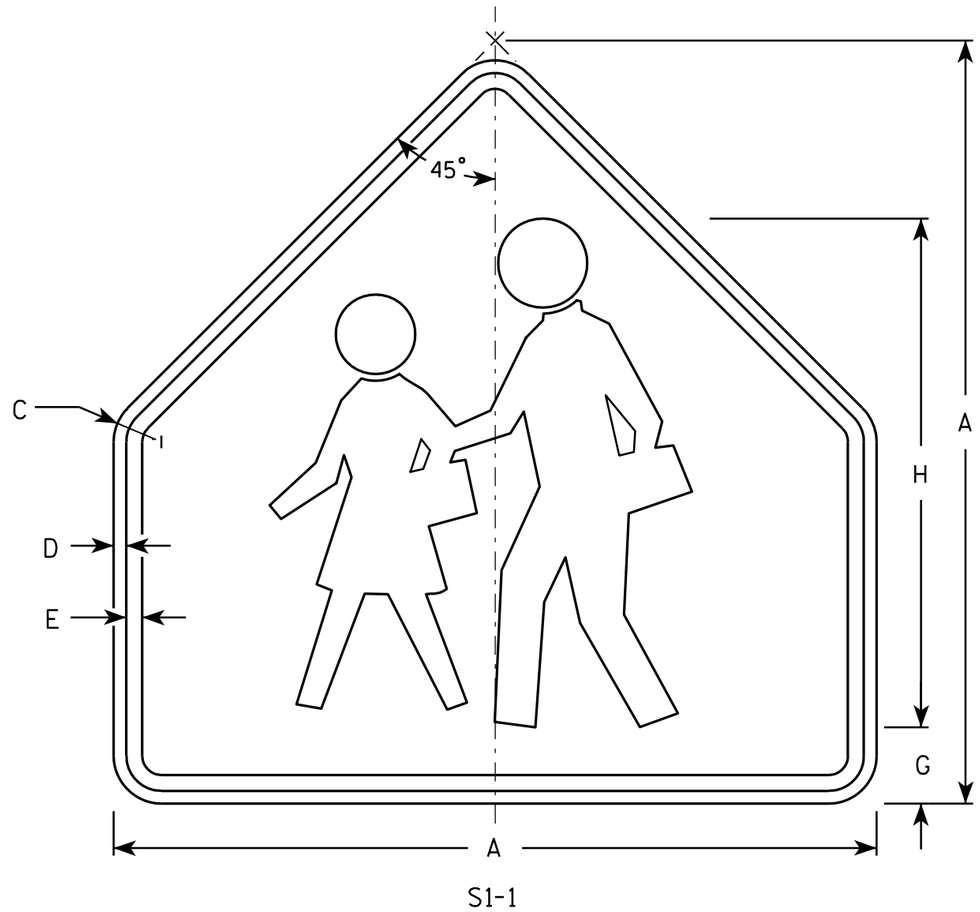
STANDARD SIGN
R11-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/1/11 PLATE NO. R11-2.10

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 293	E



S1-1

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow-Green
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8		3	20																			4.69
2	36		1 5/8	5/8	3/4		3 1/2	24																			6.75
3	36		1 5/8	5/8	3/4		3 1/2	24																			6.75
4	48		2 1/4	3/4	1		4 3/4	32																			12
5																											

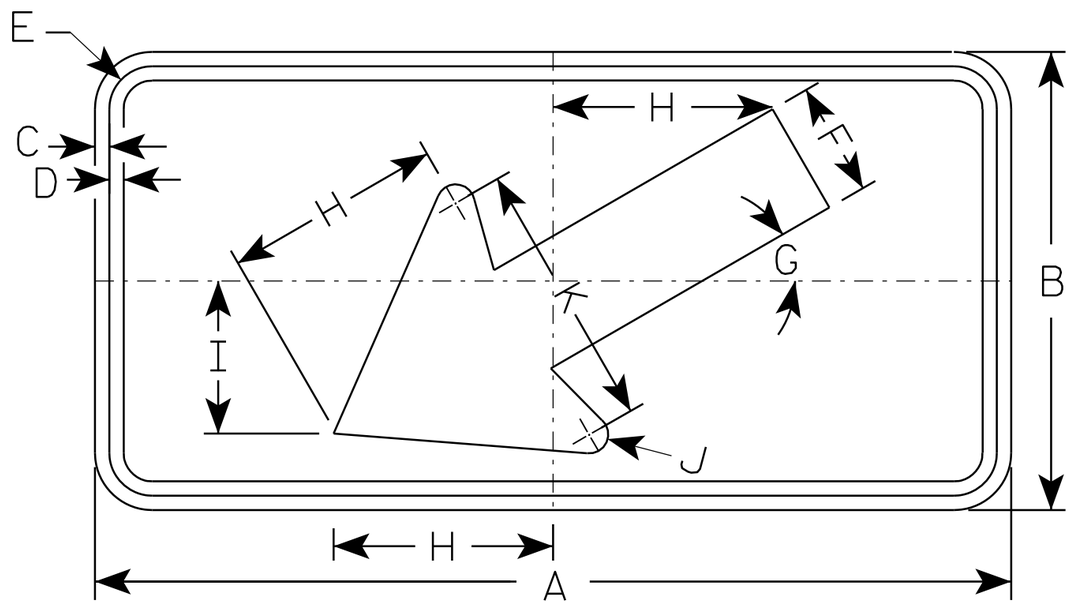
STANDARD SIGN
S1-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/30/05 PLATE NO. S1-1.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 294	E



S16-7L

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow-Green
   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. S16-7R are the same as S16-7L except the arrow is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24	12	3/8	3/8	1 1/8	3	30°	5 3/4	4	1/2	7																2.0
2S	30	18	3/8	1/2	1 1/8	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
2M	30	18	3/8	1/2	1 1/8	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
3	30	18	3/8	1/2	1 1/8	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
4	48	24	1/2	5/8	1 3/8	6	30°	11 1/2	8	1	14																8.0
5																											

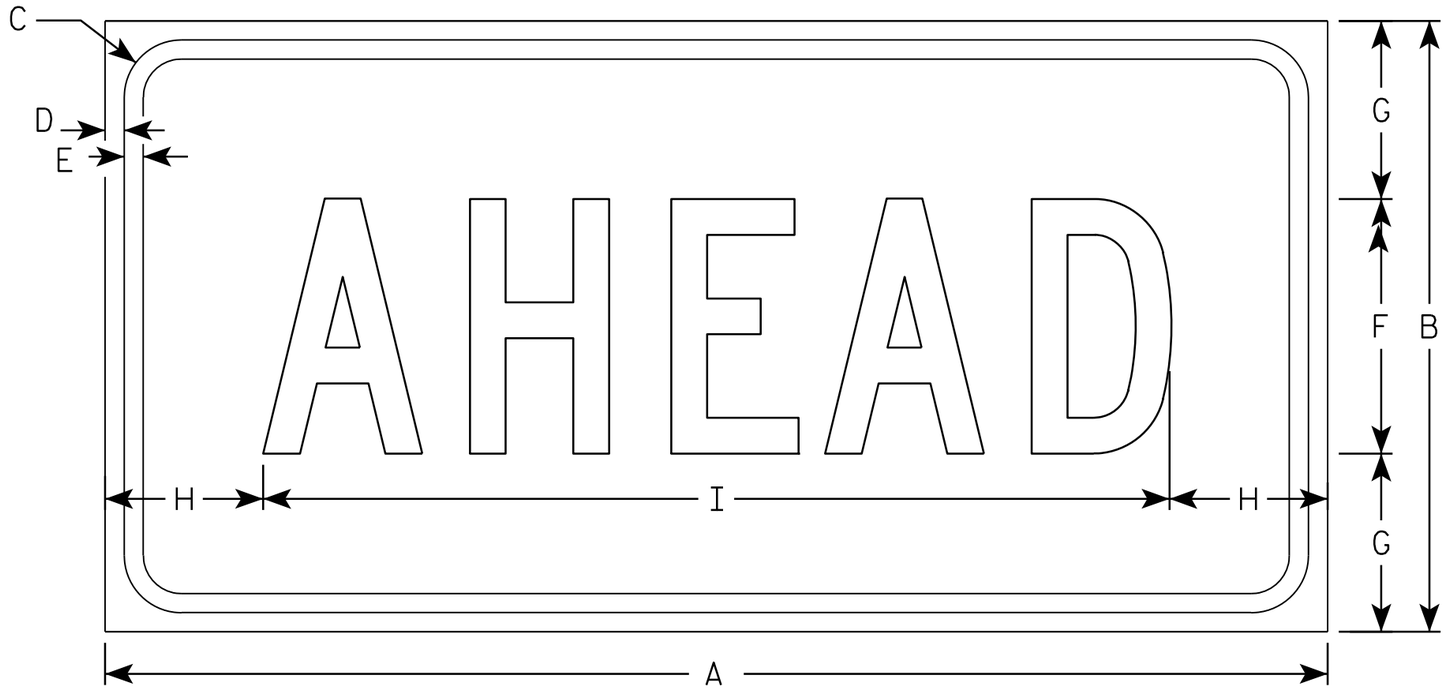
STANDARD SIGN
S16-7

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/22/13 PLATE NO. S16-7.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 295 | E



S16-9P

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow-Green
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24	12	1 1/8	3/8	3/8	5	3 1/2	3 1/8	17 3/4																		2.0
2S	30	18	1 1/8	3/8	1/2	7	5 1/2	2 3/4	24 1/2																		3.75
2M	30	18	1 1/8	3/8	1/2	7	5 1/2	2 3/4	24 1/2																		3.75
3	30	18	1 1/8	3/8	1/2	7	3 1/2	2 3/4	24 1/2																		3.75
4	48	24	1 3/8	1/2	5/8	10	7	6 1/8	35 3/4																		8.0
5																											

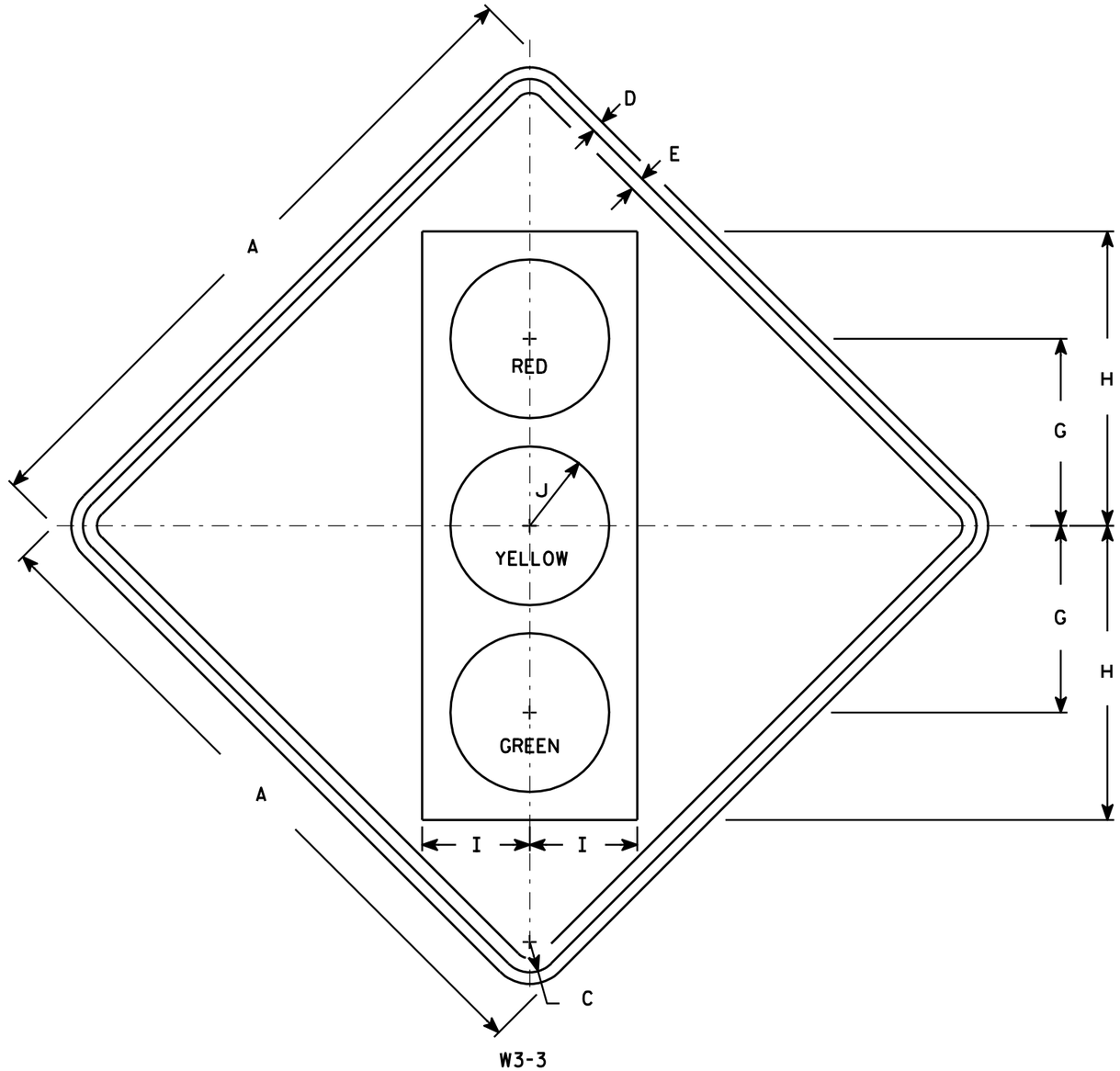
STANDARD SIGN
S16-9P

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/22/13 PLATE NO. S16-9P.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 296 | E



NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - 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. Symbol and border are non-reflective black.
   Top circle - Type H Reflectorized Red
   Center circle - Same as background
   Bottom circle - Type H Reflectorized Green

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8		8 3/4	13 3/4	5	3 3/4																	6.25
2S	36		1 5/8	5/8	3/4		10	15 3/4	5 3/4	4 1/4																	9.0
2M	36		1 5/8	5/8	3/4		10	15 3/4	5 3/4	4 1/4																	9.0
3	36		1 5/8	5/8	3/4		10	15 3/4	5 3/4	4 1/4																	9.0
4	48		2 1/4	3/4	1		12 1/2	20	7 1/2	5																	16.0
5	48		2 1/4	3/4	1		12 1/2	20	7 1/2	5																	16.0

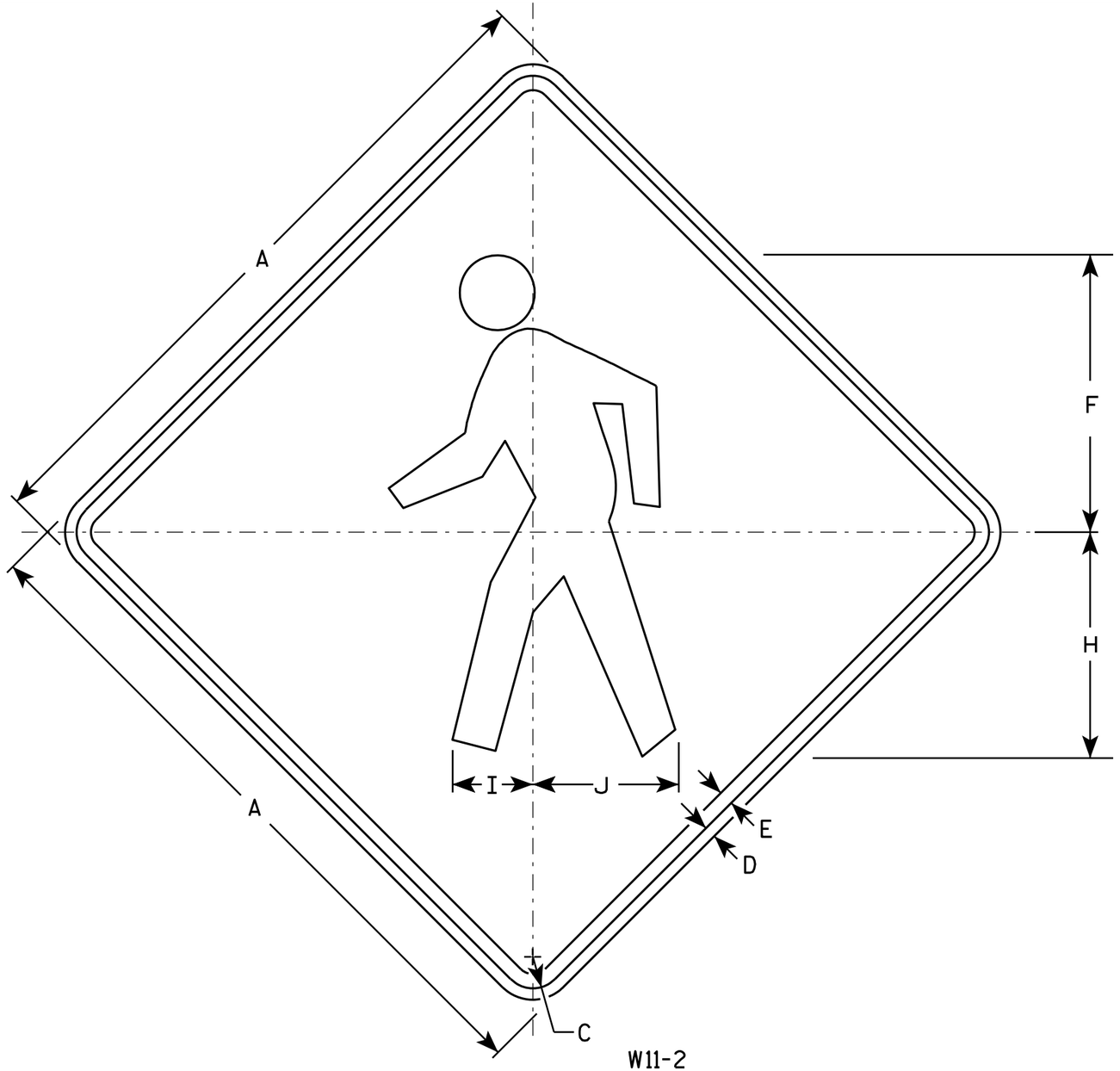
STANDARD SIGN
W3-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W3-3.11

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 297 | E



W11-2

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	9 3/4		7 7/8	2 7/8	5 1/8																	4.0
2S	30		1 3/8	1/2	5/8	12 1/8		9 7/8	3 1/2	6 3/8																	6.25
2M	36		1 5/8	5/8	3/4	14 1/2		11 7/8	4 1/4	7 5/8																	9.0
3	36		1 5/8	5/8	3/4	14 1/2		11 7/8	4 1/4	7 5/8																	9.0
4	48		2 1/4	3/4	1	19 3/8		15 3/4	5 5/8	10 1/4																	16.0
5																											

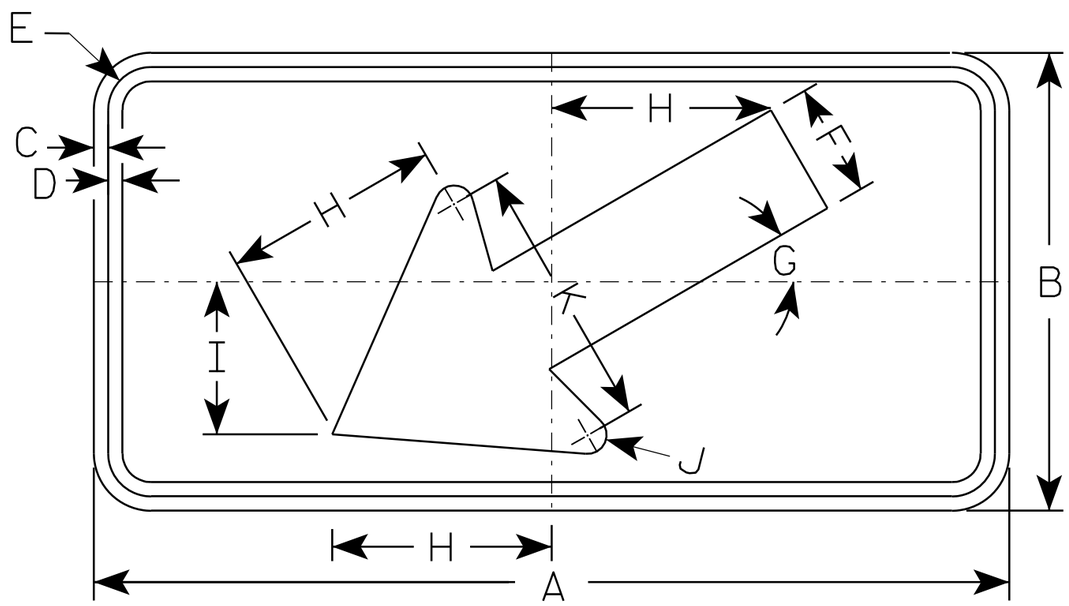
STANDARD SIGN
W11-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W11-2.7

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 298	E



W16-7L

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W16-7R is the same as W16-L except the arrow is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	3/8	3/8	1 1/8	3	30°	5 3/4	4	1/2	7																2.0
2M	30	18	3/8	1/2	1 1/8	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
3	30	18	3/8	1/2	1 1/8	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
4																											8
5																											8

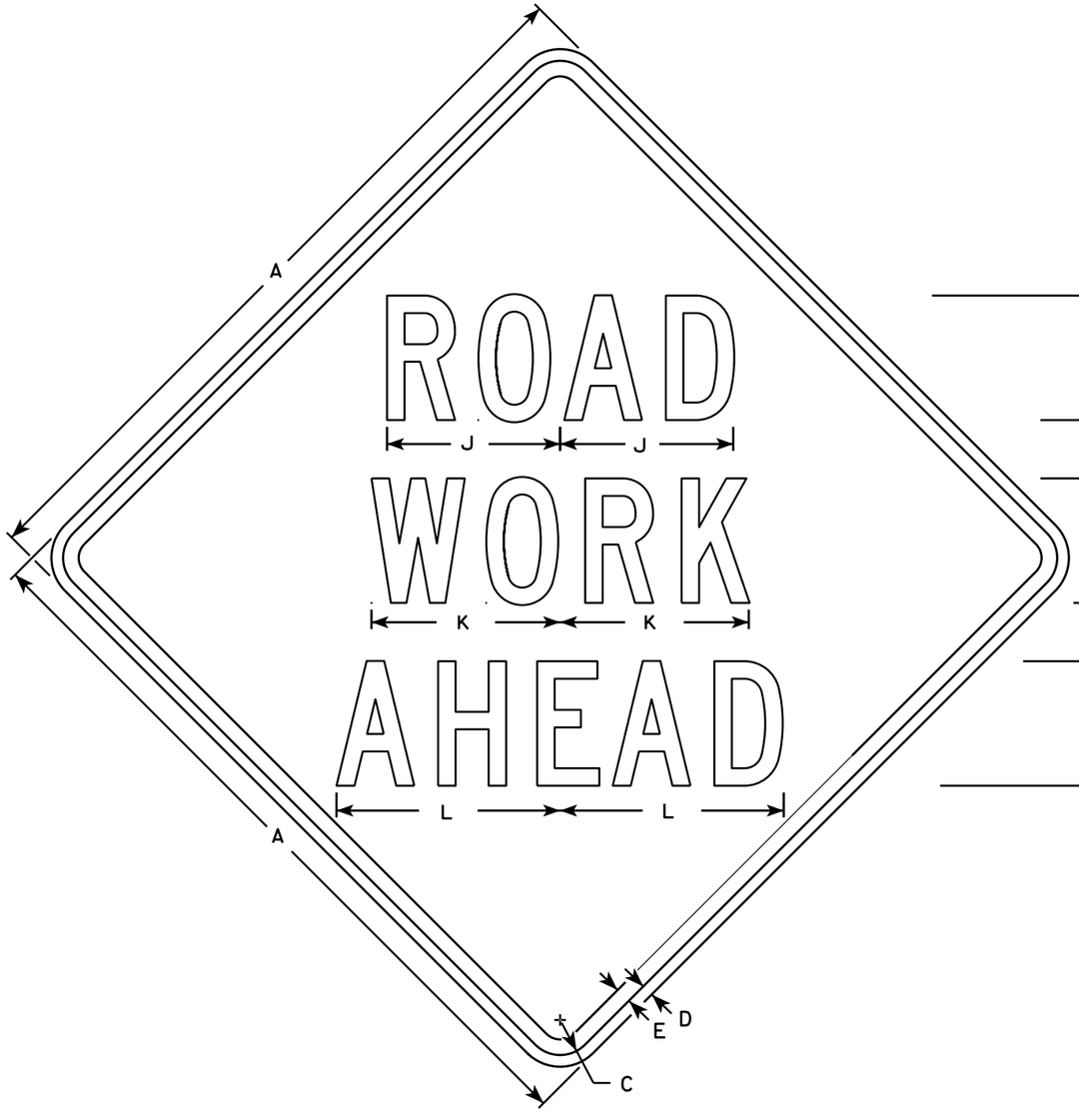
STANDARD SIGN
W16-7

WISCONSIN DEPT OF TRANSPORTATION

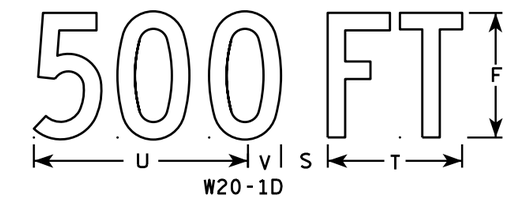
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/02/10 PLATE NO. W16-7.5

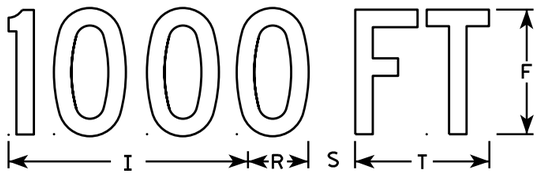
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 299	E



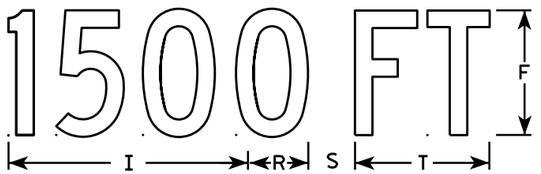
W20-1A



W20-1D



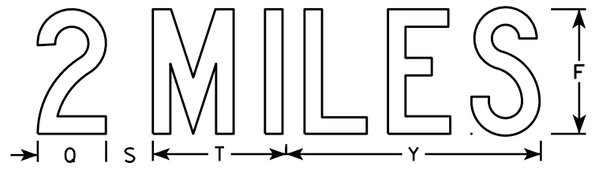
W20-1C



W20-1B

W20-1G

W20-1F



W20-1E

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 3/8	1/2	5/8	5	2 5/8	3 1/4	10 1/8	7	7 5/8	8 7/8	1 1/8	4 1/2	3 1/2	9		2 1/2	2 1/4	5 5/8	9	1 3/8	8	1 3/4	10 3/4	6	9.0
2S	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
2M	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
3	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
4	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
5	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0

STANDARD SIGN
W20-1A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

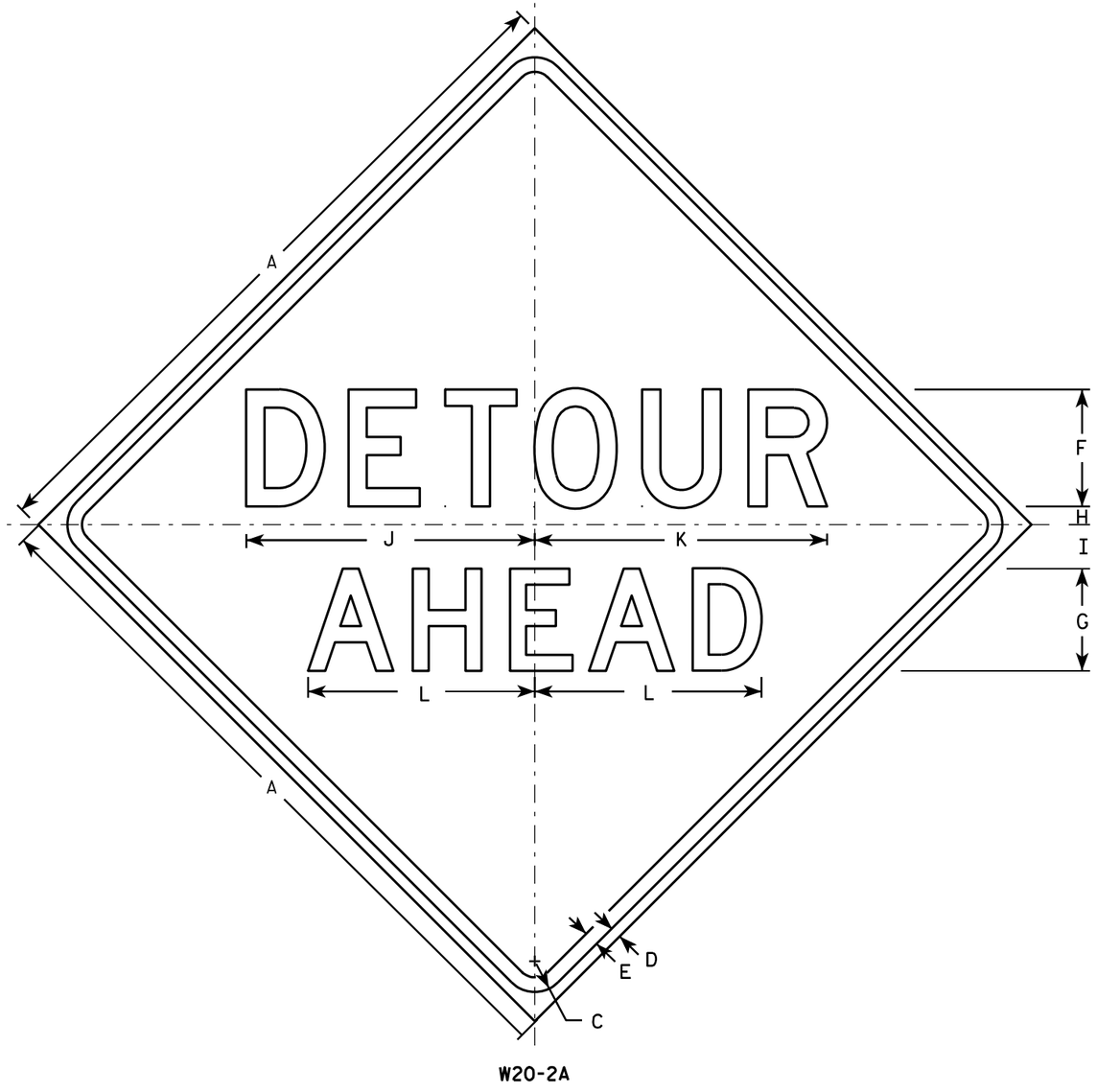
State Traffic Engineer

DATE 5/07/15 PLATE NO. W20-1.10

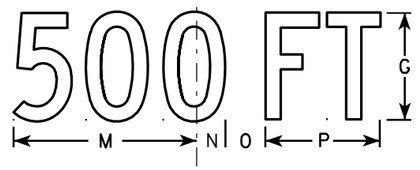
PROJECT NO: SHEET NO: E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W201.dgn PLOT DATE : 27-MAY-2015 15:58 PLOT BY : mscsja

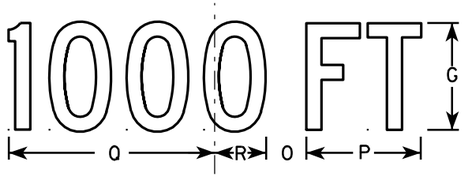
WISDOT/CADDS SHEET 42



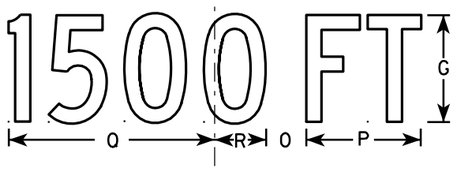
W20-2A



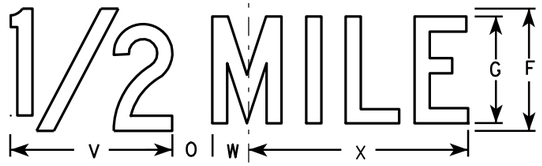
W20-2D



W20-2C



W20-2B



W20-2G

W20-2F

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - See note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Line 1 is Series D.
   Line 2 is Series D for AHEAD and Series C for all other distances.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	6	5	1	2 1/4	14 3/4	15	11 5/8	9	1 3/8	1 7/8	5 5/8	10 1/8	2 1/2	1 1/8	4 1/2	3 1/2	8	1 3/4	10 3/4			9.0
2S	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
2M	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
3	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
4	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
5	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0

STANDARD SIGN
W20-2A,B,C,D,F & G

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-2.6

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 301	E

DIVISION 1 – TEMP WIDENING MSE STAGE 1A

Station	Real Station	Distance	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)		
			Cut	Salvaged/Unusable Pavement Material	Fill	Cut Note 1	Salvaged/Unusable Pavement Material Note 2	Fill Note 3	Cut 1.00 Note 1	Expanded Fill 1.25	Mass Ordinate
250+98.99	25099		4	0.00	0	0	0	0	0	0	0
251+00.00	25100	1	5	0.00	0	0	0	0	0	0	0
251+50.00	25150	50	13	0.00	0	17	0	0	17	0	17
251+62.91	25163	13	16	0.00	0	7	0	0	24	0	24
252+00.00	25200	37	15	0.00	0	21	0	0	45	0	45
252+50.00	25250	50	14	0.00	0	27	0	1	72	1	71
253+00.00	25300	50	17	0.00	0	29	0	1	102	2	100
253+50.00	25350	50	24	0.00	1	38	0	1	139	4	136
254+00.00	25400	50	31	0.00	1	50	0	2	190	6	183
254+50.00	25450	50	28	0.00	0	55	0	1	244	8	236
255+00.00	25500	50	25	0.00	0	50	0	0	294	8	286
255+50.00	25550	50	26	0.00	0	48	0	0	342	8	333
255+93.81	25594	44	0	0.00	0	21	0	0	363	9	354
					Column totals	363	0	7			

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections
3 - Fill	Does not include Unusable Pavement Exc volume

9

9

DIVISION 1 – TEMP WIDENING MNE STAGE 1A

Station	Real Station	Distance	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)		
			Cut	Salvaged/Unusable Pavement Material	Fill	Cut Note 1	Salvaged/Unusable Pavement Material Note 2	Fill Note 3	Cut 1.00 Note 1	Expanded Fill 1.25	Mass Ordinate
49+60.05	4960		0	0	0	0	0	0	0	0	0
50+00.00	5000	40	17	0	0	13	0	0	13	0	13
50+00.31	5000	0	18	0	0	0	0	0	13	0	13
50+17.39	5017	17	24	0	0	13	0	0	26	0	26
50+32.34	5032	15	29	0	0	15	0	0	41	0	41
50+50.00	5050	18	35	0	0	21	0	0	62	0	62
50+83.78	5084	34	30	0	0	41	0	0	103	0	103
51+00.00	5100	16	28	0	0	17	0	0	120	0	120
51+50.00	5150	50	29	0	0	52	0	0	172	0	172
51+54.49	5154	4	28	0	0	5	0	0	177	0	177
52+00.00	5200	46	18	0	0	39	0	0	216	0	215
52+50.00	5250	50	8	0	0	23	0	0	239	0	239
52+80.48	5280	30	0	0	0	4	0	0	243	0	243
					Column totals	243	0	0			

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections
3 - Fill	Does not include Unusable Pavement Exc volume

DIVISION 1 – TEMP WIDENING MNW STAGE 1A

Station	Real Station	Distance	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)		
			Cut	Salvaged/Unusable Pavement Material	Fill	Cut Note 1	Salvaged/Unusable Pavement Material Note 2	Fill Note 3	Cut 1.00 Note 1	Expanded Fill 1.25	Mass Ordinate
47+54.48	4754		0	0	0	0	0	0	0	0	0
48+00.00	4800	46	7	0	0	5	0	0	5	0	5
48+80.47	4880	80	22	0	0	42	0	0	48	0	47
48+96.79	4897	16	23	0	0	13	0	0	61	0	61
49+00.00	4900	3	24	0	0	3	0	0	64	0	63
49+45.70	4946	46	31	0	0	47	0	0	111	0	110
49+82.19	4982	36	24	0	0	37	0	0	148	0	148
49+99.03	4999	17	12	0	0	11	0	0	159	0	159
50+00.00	5000	1	12	0	0	0	0	0	160	0	159
50+11.05	5011	11	0	0	0	2	0	0	162	0	162
					Column totals	162	0	0			

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections
3 - Fill	Does not include Unusable Pavement Exc volume

DIVISION 1 – STH 83 STAGE 1B

Station	Real Station	Distance	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)		Mass Ordinate
			Cut	Salvaged/Unusable Pavement Material	Fill	Cut	Salvaged/Unusable Pavement Material	Fill	Cut 1.00	Expanded Fill 1.25	
						Note 1	Note 2	Note 3	Note 1		
251+85.00	25185		52	0.00	2	0	0	0	0	0	0
252+00.00	25200	15	62	0.00	0	32	0	1	32	1	31
252+18.00	25218	18	61	0.00	0	41	0	0	73	1	72
252+50.00	25250	32	52	0.00	2	67	0	1	140	2	138
253+00.00	25300	50	63	0.00	0	107	0	2	247	4	242
253+50.00	25350	50	46	0.00	5	101	0	4	348	10	338
254+00.00	25400	50	52	0.00	2	91	0	6	439	17	422
254+40.00	25440	40	65	0.00	0	87	0	2	526	19	507
254+50.00	25450	10	58	0.00	1	23	0	0	549	19	530
255+00.00	25500	50	52	0.00	1	102	0	2	651	21	630
255+50.00	25550	50	54	0.00	0	98	0	1	749	23	727
255+66.61	25567	17	56	0.00	0	34	0	0	783	23	760
256+00.00	25600	33	153	0.00	0	129	0	0	912	23	890
256+05.10	25605	5	153	0.00	0	29	0	0	941	23	918
					Column Totals	941	0	18			

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections
3 - Fill	Does not include Unusable Pavement Exc volume

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PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	EARTHWORK	SHEET 305	E

FILE NAME : _____ PLOT DATE : _____ PLOT BY : _____ PLOT NAME : _____ ORG DATE : _____ ORIGINATOR : DIST _ PLOT SCALE : 1:1

DIVISION 1 – STH 83 STAGE 1C

Station	Real Station	Distance	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)		Mass Ordinate
			Cut	Salvaged/Unusable Pavement Material	Fill	Cut	Salvaged/Unusable Pavement Material	Fill	Cut 1.00	Expanded Fill 1.25	
						Note 1	Note 2	Note 3	Note 1		
251+85.00	25185		29	0	0	0	0	0	0	0	0
252+00.00	25200	15	29	0	0	16	0	0	16	0	16
252+18.00	25218	18	29	0	0	19	0	0	36	0	36
252+50.00	25250	32	31	0	0	35	0	0	71	0	71
253+00.00	25300	50	40	0	0	65	0	0	136	0	136
253+50.00	25350	50	48	0	0	81	0	0	218	0	218
254+00.00	25400	50	57	0	0	97	0	0	315	0	315
254+40.00	25440	40	59	0	0	86	0	0	400	0	400
254+50.00	25450	10	59	0	0	22	0	0	422	0	422
255+00.00	25500	50	54	0	0	105	0	0	527	0	527
255+50.00	25550	50	53	0	0	99	0	0	626	0	626
255+66.65	25567	17	58	0	0	34	0	0	660	0	660
256+05.40	25605	0	153	0	0	0	0	0	660	0	660
256+17.18	25617	12	154	0	0	67	0	0	727	0	727
					Column Totals	727	0	0			

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections
3 - Fill	Does not include Unusable Pavement Exc volume

DIVISION 1 – STH 83 STAGE 1D

Station	Real Station	Distance	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)		Mass Ordinate
			Cut	Salvaged/Unusable Pavement Material	Fill	Cut	Salvaged/Unusable Pavement Material	Fill	Cut 1.00	Expanded Fill 1.25	
						Note 1	Note 2	Note 3	Note 1		
251+85.00	25185		19	0	1	0	0	0	0	0	0
252+00.00	25200	15	20	0	1	11	0	1	11	1	10
252+18.00	25218	18	20	0	1	13	0	1	24	1	23
252+50.00	25250	32	20	0	0	24	0	1	48	2	46
253+00.00	25300	50	20	0	0	38	0	1	86	3	83
253+50.00	25350	50	21	0	1	38	0	2	124	5	118
254+00.00	25400	50	22	0	2	39	0	3	163	9	154
254+40.00	25440	40	36	0	0	42	0	1	205	10	194
254+50.00	25450	10	36	0	0	13	0	0	218	10	208
255+00.00	25500	50	21	0	3	52	0	2	270	13	257
255+50.00	25550	50	33	0	2	49	0	4	319	19	301
255+66.66	25567	17	31	0	0	20	0	1	339	19	320
256+17.18	25617	0	149	0	0	0	0	0	339	19	320
256+50.00	25650	33	160	0	3	188	0	2	527	22	506
257+00.00	25700	50	146	0	1	283	0	4	810	26	784
					Column Totals	527	0	17			

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections
3 - Fill	Does not include Unusable Pavement Exc volume

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PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	EARTHWORK	SHEET	E

FILE NAME : _____ PLOT DATE : _____ PLOT BY : _____ PLOT NAME : _____ ORG DATE : _____ ORIGINATOR : DIST _ PLOT SCALE : 1:1

DIVISION 1 – MONROE WEST OF STH 83 STAGE 1B

Station	Real Station	Distance	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)		Mass Ordinate
			Cut	Salvaged/Unusable Pavement Material	Fill	Cut	Salvaged/Unusable Pavement Material	Fill	Cut 1.00	Expanded Fill 1.25	
						Note 1	Note 2	Note 3	Note 1		
47+54.47	4754		30	0.00	0	0	0	0	0	0	0
48+00.00	4800	46	0	0.00	0	26	0	0	26	0	26
48+50.00	4850	50	40	0.00	0	37	0	0	63	0	63
49+00.00	4900	50	104	0.00	1	133	0	1	196	2	195
49+50.00	4950	50	111	0.00	2	199	0	3	395	6	389
49+75.00	4975	25	165	0.00	0	128	0	1	523	7	516
				Column totals		523	0	6			

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections
3 - Fill	Does not include Unusable Pavement Exc volume

9 9

PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	EARTHWORK	SHEET 308	E

FILE NAME : _____ PLOT DATE : _____ PLOT BY : _____ PLOT NAME : _____ ORG DATE : _____ ORIGINATOR : DIST _ PLOT SCALE : 1:1

DIVISION 1 – MONROE WEST OF STH 83 STAGE 1C

Station	Real Station	Distance	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)		Mass Ordinate
			Cut	Salvaged/Unusable Pavement Material	Fill	Cut	Salvaged/Unusable Pavement Material	Fill	Cut 1.00	Expanded Fill 1.25	
						Note 1	Note 2	Note 3	Note 1		
47+54.47	4754		8	0.00	0	0	0	0	0	0	0
48+00.00	4800	46	12	0.00	0	17	0	0	17	0	17
48+50.00	4850	50	18	0.00	0	28	0	0	45	0	45
49+00.00	4900	50	28	0.00	0	42	0	0	88	0	88
49+50.00	4950	50	27	0.00	0	51	0	0	138	0	138
49+75.00	4975	25	29	0.00	0	26	0	0	164	0	164
					Column totals	164	0	0			

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections
3 - Fill	Does not include Unusable Pavement Exc volume

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PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	EARTHWORK	SHEET 309	E

FILE NAME : _____ PLOT DATE : _____ PLOT BY : _____ PLOT NAME : _____ ORG DATE : _____ ORIGINATOR : DIST _ PLOT SCALE : 1:1

DIVISION 1 – MONROE WEST OF STH 83 STAGE 1D

Station	Real Station	Distance	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)		Mass Ordinate
			Cut	Salvaged/Unusable Pavement Material	Fill	Cut	Salvaged/Unusable Pavement Material	Fill	Cut 1.00	Expanded Fill 1.25	
						Note 1	Note 2	Note 3	Note 1		
47+54.47	4754		22	0.00	2	0	0	0	0	0	0
48+00.00	4800	46	18	0.00	4	33	0	5	33	6	27
48+50.00	4850	50	16	0.00	2	32	0	6	65	13	52
49+00.00	4900	50	27	0.00	2	40	0	4	105	18	87
49+50.00	4950	50	33	0.00	2	55	0	4	160	23	137
49+75.00	4975	25	79	0.00	0	52	0	1	212	24	188
					Column totals	212	0	19			

Notes:

1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections
3 - Fill	Does not include Unusable Pavement Exc volume

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PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	EARTHWORK	SHEET 310	E

FILE NAME : _____ PLOT DATE : _____ PLOT BY : _____ PLOT NAME : _____ ORG DATE : _____ ORIGINATOR : DIST _ PLOT SCALE : 1:1

DIVISION 1 – MONROE EAST OF STH 83 STAGE 1B

Station	Real Station	Distance	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)		Mass Ordinate
			Cut	Salvaged/Unusable Pavement Material	Fill	Cut	Salvaged/Unusable Pavement Material	Fill	Cut 1.00	Expanded Fill 1.25	
						Note 1	Note 2	Note 3	Note 1		
50+37.00	5037		112	0.00	0	0	0	0	0	0	0
50+50.00	5050	13	98	0.00	0	51	0	0	51	0	51
51+00.00	5100	50	99	0.00	0	183	0	0	233	0	233
51+25.00	5125	25	111	0.00	0	97	0	0	330	0	330
51+45.00	5145	20	105	0.00	0	80	0	0	410	0	410
51+50.00	5150	5	105	0.00	0	19	0	0	430	0	430
51+90.00	5190	40	49	0.00	0	114	0	0	544	0	544
52+00.00	5200	10	45	0.00	0	17	0	0	561	0	561
52+50.00	5250	50	33	0.00	0	72	0	0	633	0	633
52+80.50	5281	31	30	0.00	2	36	0	1	669	2	667
					Column totals	669	0	1			

Notes:

1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections
3 - Fill	Does not include Unusable Pavement Exc volume

DIVISION 1 – MONROE EAST OF STH 83 STAGE 1C

Station	Real Station	Distance	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)		Mass Ordinate
			Cut	Salvaged/Unusable Pavement Material	Fill	Cut	Salvaged/Unusable Pavement Material	Fill	Cut 1.00	Expanded Fill 1.25	
						Note 1	Note 2	Note 3	Note 1		
50+37.00	5037		30	0.00	0	0	0	0	0	0	0
50+50.00	5050	13	29	0.00	0	14	0	0	14	0	14
51+00.00	5100	50	32	0.00	0	56	0	0	70	0	70
51+25.00	5125	25	30	0.00	0	29	0	0	99	0	99
51+45.00	5145	20	29	0.00	0	22	0	0	121	0	121
51+50.00	5150	5	29	0.00	0	5	0	0	127	0	127
51+90.00	5190	40	14	0.00	0	32	0	0	158	0	158
52+00.00	5200	10	13	0.00	0	5	0	0	163	0	163
52+50.00	5250	50	9	0.00	0	20	0	0	183	0	183
52+80.50	5281	31	7	0.00	0	9	0	0	193	0	193
					Column totals	193	0	0			

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections
3 - Fill	Does not include Unusable Pavement Exc volume

DIVISION 1 – MONROE EAST OF STH 83 STAGE 1D

Station	Real Station	Distance	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)		Mass Ordinate
			Cut	Salvaged/Unusable Pavement Material	Fill	Cut	Salvaged/Unusable Pavement Material	Fill	Cut 1.00	Expanded Fill 1.25	
						Note 1	Note 2	Note 3	Note 1		
50+37.00	5037		138	0.00	0	0	0	0	0	0	0
50+50.00	5050	13	102	0.00	0	58	0	0	58	0	58
51+00.00	5100	50	55	0.00	0	145	0	0	203	0	203
51+25.00	5125	25	51	0.00	1	49	0	0	252	0	251
51+45.00	5145	20	58	0.00	0	40	0	0	292	1	291
51+50.00	5150	5	57	0.00	0	11	0	0	302	1	302
51+90.00	5190	40	28	0.00	0	63	0	0	365	1	364
52+00.00	5200	10	27	0.00	0	10	0	0	375	1	375
52+50.00	5250	50	17	0.00	4	41	0	4	416	6	411
52+80.50	5281	31	20	0.00	3	21	0	4	437	11	426
					Column totals	437	0	9			

Notes:

1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections
3 - Fill	Does not include Unusable Pavement Exc volume

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PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	EARTHWORK	SHEET 313	E

FILE NAME : _____ PLOT DATE : _____ PLOT BY : _____ PLOT NAME : _____ ORG DATE : _____ ORIGINATOR : DIST _ PLOT SCALE : 1:1

DIVISION 2 – STH 83 STAGE 1

Station	Real Station	Distance	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)		Mass Ordinate
			Cut	Salvaged/Unusable Pavement Material	Fill	Cut	Salvaged/Unusable Pavement Material	Fill	Cut 1.00	Expanded Fill 1.25	
						Note 1	Note 2	Note 3	Note 1		
266+50.00	26650		88	0.00	3	0	0	0	0	0	0
266+75.00	26675	25	96	0.00	2	86	0	2	86	3	83
267+00.00	26700	25	89	0.00	2	86	0	2	171	5	166
267+50.00	26750	50	98	0.00	1	173	0	3	344	9	335
268+00.00	26800	50	91	0.00	2	175	0	3	519	12	507
268+50.00	26850	50	86	0.00	3	164	0	5	683	18	665
268+65.47	26865	15	99	0.00	0	53	0	1	736	20	717
269+00.00	26900	35	105	0.00	1	130	0	1	866	20	846
269+04.38	26904	4	106	0.00	1	17	0	0	884	21	863
269+50.00	26950	46	97	0.00	1	172	0	1	1,055	22	1,034
270+00.00	27000	50	96	0.00	1	179	0	1	1,235	23	1,212
270+50.00	27050	50	88	0.00	14	171	0	14	1,406	40	1,365
270+75.00	27075	25	84	0.00	22	80	0	17	1,486	61	1,424
271+00.00	27100	25	94	0.00	18	83	0	19	1,568	85	1,484
271+50.00	27150	50	112	0.00	7	191	0	24	1,760	114	1,645
272+00.00	27200	50	89	0.00	2	186	0	8	1,946	124	1,821
272+50.00	27250	50	67	0.00	2	145	0	3	2,090	128	1,962
272+55.81	27256	6	136	0.00	2	22	0	0	2,112	129	1,983
273+00.00	27300	44	72	0.00	3	170	0	4	2,283	134	2,149
273+50.00	27350	50	78	0.00	1	140	0	4	2,422	139	2,283
273+55.49	27355	5	78	0.00	1	16	0	0	2,438	139	2,299
274+00.00	27400	45	72	0.00	3	124	0	3	2,562	143	2,418
274+50.00	27450	50	70	0.00	4	131	0	6	2,693	151	2,542
275+00.00	27500	50	67	0.00	4	127	0	7	2,820	160	2,660
275+50.00	27550	50	64	0.00	6	122	0	9	2,941	171	2,770
276+00.00	27600	50	67	0.00	2	121	0	7	3,063	180	2,883
276+50.00	27650	50	64	0.00	3	122	0	5	3,184	186	2,998
276+64.33	27664	14	73	0.00	2	36	0	1	3,221	188	3,033
277+00.00	27700	36	73	0.00	2	96	0	3	3,317	192	3,125
277+30.80	27731	31	85	0.00	1	91	0	2	3,408	194	3,214

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections
3 - Fill	Does not include Unusable Pavement Exc volume

DIVISION 2 – STH 83 STAGE 1 (CONTINUED)

Station	Real Station	Distance	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)		Mass Ordinate
			Cut	Salvaged/Unusable Pavement Material	Fill	Cut	Salvaged/Unusable Pavement Material	Fill	Cut 1.00	Expanded Fill 1.25	
						Note 1	Note 2	Note 3	Note 1		
277+50.00	27750	19	83	0.00	0	60	0	0	3,467	194	3,273
278+00.00	27800	50	83	0.00	0	153	0	0	3,621	195	3,426
278+16.96	27817	17	87	0.00	0	53	0	0	3,674	195	3,479
278+50.00	27850	33	76	0.00	1	100	0	1	3,774	196	3,578
279+00.00	27900	50	79	0.00	1	143	0	2	3,917	198	3,719
279+03.02	27903	3	78	0.00	1	9	0	0	3,926	198	3,728
279+47.17	27947	44	73	0.00	1	124	0	1	4,050	200	3,850
279+50.00	27950	3	73	0.00	1	8	0	0	4,058	200	3,858
280+00.00	28000	50	71	0.00	2	133	0	2	4,191	203	3,988
280+25.49	28025	25	85	0.00	0	73	0	1	4,264	204	4,060
280+50.00	28050	25	76	0.00	3	73	0	1	4,337	205	4,132
280+77.25	28077	27	86	0.00	0	82	0	1	4,419	207	4,212
281+00.00	28100	23	83	0.00	1	71	0	0	4,491	208	4,283
281+27.00	28127	27	87	0.00	0	85	0	1	4,576	208	4,367
281+50.00	28150	23	82	0.00	1	72	0	1	4,648	209	4,439
281+67.72	28168	18	90	0.00	2	56	0	1	4,704	211	4,494
282+00.00	28200	32	81	0.00	3	102	0	3	4,806	214	4,592
282+31.58	28232	32	94	0.00	1	102	0	2	4,909	217	4,692
282+34.30	28234	3	93	0.00	1	9	0	0	4,918	217	4,701
282+50.00	28250	16	81	0.00	5	50	0	2	4,969	219	4,749
283+00.00	28300	50	81	0.00	6	149	0	10	5,118	232	4,886
283+50.00	28350	50	76	0.00	0	145	0	6	5,263	239	5,024
284+00.00	28400	50	70	0.00	3	135	0	3	5,398	242	5,156
284+50.00	28450	50	74	0.00	3	133	0	6	5,531	249	5,282
284+62.05	28462	12	80	0.00	0	34	0	1	5,566	250	5,315
285+00.00	28500	38	73	0.00	3	108	0	2	5,673	253	5,420
285+19.03	28519	19	80	0.00	0	54	0	1	5,727	255	5,472
285+50.00	28550	31	74	0.00	3	88	0	2	5,815	257	5,558
286+00.00	28600	50	71	0.00	3	134	0	5	5,948	263	5,686
286+16.17	28616	16	77	0.00	1	44	0	1	5,993	264	5,728

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections
3 - Fill	Does not include Unusable Pavement Exc volume

DIVISION 2 – STH 83 STAGE 1 (CONTINUED)

Station	Real Station	Distance	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)		Mass Ordinate
			Cut	Salvaged/Unusable Pavement Material	Fill	Cut	Salvaged/Unusable Pavement Material	Fill	Cut 1.00	Expanded Fill 1.25	
						Note 1	Note 2	Note 3	Note 1		
286+50.00	28650	34	81	0.00	2	99	0	2	6,091	266	5,825
286+52.11	28652	2	81	0.00	2	6	0	0	6,097	267	5,831
287+00.00	28700	48	81	0.00	3	144	0	4	6,241	272	5,969
287+17.77	28718	18	85	0.00	2	55	0	2	6,296	274	6,022
287+31.18	28731	13	79	0.00	0	41	0	1	6,337	275	6,062
287+50.00	28750	19	80	0.00	0	55	0	0	6,392	275	6,117
287+70.12	28770	20	91	0.00	0	64	0	0	6,456	275	6,181
288+00.00	28800	30	77	0.00	0	93	0	0	6,549	275	6,274
288+18.30	28818	18	85	0.00	0	55	0	0	6,604	275	6,329
288+50.00	28850	32	87	0.00	1	101	0	0	6,705	275	6,429
288+66.99	28867	17	85	0.00	0	54	0	0	6,759	276	6,483
288+91.16	28891	24	77	0.00	2	73	0	1	6,832	277	6,554
289+00.00	28900	9	74	0.00	1	25	0	1	6,856	278	6,578
289+50.00	28950	50	86	0.00	3	148	0	5	7,005	284	6,721
290+00.00	29000	50	73	0.00	2	147	0	5	7,152	290	6,862
290+50.00	29050	50	74	0.00	2	137	0	4	7,289	295	6,994
291+00.00	29100	50	79	0.00	1	142	0	3	7,431	299	7,132
291+40.95	29141	41	85	0.00	0	124	0	1	7,555	300	7,255
291+50.00	29150	9	79	0.00	1	27	0	0	7,582	301	7,282
292+00.00	29200	50	75	0.00	2	143	0	3	7,725	304	7,421
292+47.87	29248	48	75	0.00	2	133	0	4	7,858	309	7,549
292+50.00	29250	2	74	0.00	2	6	0	0	7,864	309	7,555
293+00.00	29300	50	70	0.00	1	134	0	3	7,998	313	7,685
293+50.00	29350	50	72	0.00	0	132	0	1	8,130	314	7,815
293+69.96	29370	20	70	0.00	0	52	0	0	8,182	315	7,867
293+75.00	29375	5	71	0.00	0	13	0	0	8,195	315	7,880
294+00.00	29400	25	66	0.00	2	64	0	1	8,259	315	7,943
294+39.53	29440	40	72	0.00	0	101	0	1	8,360	317	8,043
294+50.00	29450	10	73	0.00	0	28	0	0	8,388	317	8,071
295+00.00	29500	50	68	0.00	0	130	0	1	8,518	318	8,200

Notes:

1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections
3 - Fill	Does not include Unusable Pavement Exc volume

DIVISION 2 – STH 83 STAGE 1 (CONTINUED)

Station	Real Station	Distance	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)		Mass Ordinate
			Cut	Salvaged/Unusable Pavement Material	Fill	Cut	Salvaged/Unusable Pavement Material	Fill	Cut 1.00	Expanded Fill 1.25	
						Note 1	Note 2	Note 3	Note 1		
295+50.00	29550	50	70	0.00	1	128	0	1	8,646	319	8,327
296+00.00	29600	50	123	0.00	2	179	0	2	8,825	322	8,503
296+50.00	29650	50	112	0.00	2	218	0	4	9,043	327	8,716
296+75.00	29675	25	120	0.00	0	107	0	1	9,151	328	8,822
297+00.00	29700	25	113	0.00	1	108	0	1	9,258	329	8,930
297+50.00	29750	50	114	0.00	0	210	0	1	9,469	331	9,138
298+00.00	29800	50	112	0.00	0	209	0	0	9,677	331	9,347
298+50.00	29850	50	109	0.00	0	204	0	0	9,882	331	9,551
298+89.24	29889	39	101	0.00	0	153	0	0	10,035	331	9,704
					Column Totals	10,035	0	264			

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections
3 - Fill	Does not include Unusable Pavement Exc volume

DIVISION 2 – E LINCOLN AVE WEST OF STH 83

Station	Real Station	Distance	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)		Mass Ordinate
			Cut	Salvaged/Unusable Pavement Material	Fill	Cut	Salvaged/Unusable Pavement Material	Fill	Cut 1.00	Expanded Fill 1.25	
						Note 1	Note 2	Note 3	Note 1		
50+00.00	5000		46	0.00	0	0	0	0	0	0	0
50+21.50	5021.5	22	77	0.00	2	49	0	1	49	1	48
50+49.22	5049.22	28	70	0.00	0	76	0	1	125	2	123
					Column totals	125	0	2			

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections
3 - Fill	Does not include Unusable Pavement Exc volume

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PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	EARTHWORK	SHEET 318	E

FILE NAME : _____ PLOT DATE : _____ PLOT BY : _____ PLOT NAME : _____ ORG DATE : _____ ORIGINATOR : DIST _ PLOT SCALE : 1:1

DIVISION 2 – E LINCOLN AVE EAST OF STH 83

Station	Real Station	Distance	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)		Mass Ordinate
			Cut	Salvaged/Unusable Pavement Material	Fill	Cut	Salvaged/Unusable Pavement Material	Fill	Cut 1.00	Expanded Fill 1.25	
						Note 1	Note 2	Note 3	Note 1		
50+94.60	5095		76	0.00	0	0	0	0	0	0	0
51+00.00	5100	5	82	0.00	1	16	0	0	16	0	16
51+21.63	5122	22	57	0.00	5	56	0	3	72	3	68
51+50.00	5150	28	49	0.00	10	56	0	8	127	13	114
52+00.00	5200	50	55	0.00	1	96	0	10	223	26	197
52+02.39	5202	2	55	0.00	1	5	0	0	228	26	202
52+12.47	5212	10	42	0.00	2	18	0	1	246	27	219
52+50.00	5250	38	83	0.00	3	87	0	4	333	32	301
52+72.44	5272	22	57	0.00	0	58	0	2	391	34	357
52+92.12	5292	20	52	0.00	0	40	0	0	431	34	397
					Column totals	431	0	27			

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections
3 - Fill	Does not include Unusable Pavement Exc volume

9

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PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	EARTHWORK	SHEET	E

FILE NAME : _____ PLOT DATE : _____ PLOT BY : _____ PLOT NAME : _____ ORG DATE : _____ ORIGINATOR : DIST _ PLOT SCALE : 1:1

DIVISION 2 – GRAND AVE

Station	Real Station	Distance	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)		Mass Ordinate
			Cut	Salvaged/Unusable Pavement Material	Fill	Cut	Salvaged/Unusable Pavement Material	Fill	Cut 1.00	Expanded Fill 1.25	
						Note 1	Note 2	Note 3	Note 1		
10+50.00	1050		26	0.00	0	0	0	0	0	0	0
11+00.00	1100	50	36	0.00	1	58	0	1	58	1	56
11+50.00	1150	50	89	0.00	0	116	0	1	174	3	171
12+00.00	1200	50	76	0.00	1	153	0	1	327	4	323
12+10.60	1211	11	76	0.00	0	30	0	0	357	4	353
					Column totals	357	0	3			

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections
3 - Fill	Does not include Unusable Pavement Exc volume

DIVISION 2 – E LOOS ST WEST OF STH 83

Station	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/Unusable Pavement Material	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.25	Mass Ordinate
10+00.00	1000		77	0.00	0	0	0	0	0	0	0
10+24.94	1025	25	66	0.00	1	66	0	0	66	0	66
10+47.37	1047	22	58	0.00	0	52	0	0	117	1	117
				Column totals		117	0	1			

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections
3 - Fill	Does not include Unusable Pavement Exc volume

DIVISION 2 – E LOOS ST EAST OF STH 83

Station	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/Unusable Pavement Material	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.25	Mass Ordinate
10+83.15	1083		59	0.00	0	0	0	0	0	0	0
11+00.00	1100	17	69	0.00	1	40	0	0	40	0	40
11+25.57	1126	26	80	0.00	0	71	0	0	110	1	110
					Column totals	110	0	1			

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections
3 - Fill	Does not include Unusable Pavement Exc volume

DIVISION 2 – SOUTH ST

Station	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/Unusable Pavement Material	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.25	Mass Ordinate
10+27.80	1028		39	0.00	0	0	0	0	0	0	0
10+50.00	1050	22	75	0.00	0	47	0	0	47	0	47
11+00.00	1100	50	82	0.00	0	145	0	0	192	0	192
11+06.00	1106	6	85	0.00	0	18	0	0	210	0	210
					Column totals	210	0	0			

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections
3 - Fill	Does not include Unusable Pavement Exc volume

DIVISION 2 – S MAIN ST

Station	Real Station	Distance	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)		Mass Ordinate
			Cut	Salvaged/Unusable Pavement Material	Fill	Cut	Salvaged/Unusable Pavement Material	Fill	Cut 1.00	Expanded Fill 1.25	
						Note 1	Note 2	Note 3	Note 1		
10+00.00	1000		89	0.00	0	0	0	0	0	0	0
10+50.00	1050	50	89	0.00	1	164	0	1	164	2	163
11+00.00	1100	50	71	0.00	2	148	0	3	313	5	308
11+32.57	1133	33	34	0.00	10	64	0	7	377	14	363
					Column totals	377	0	11			

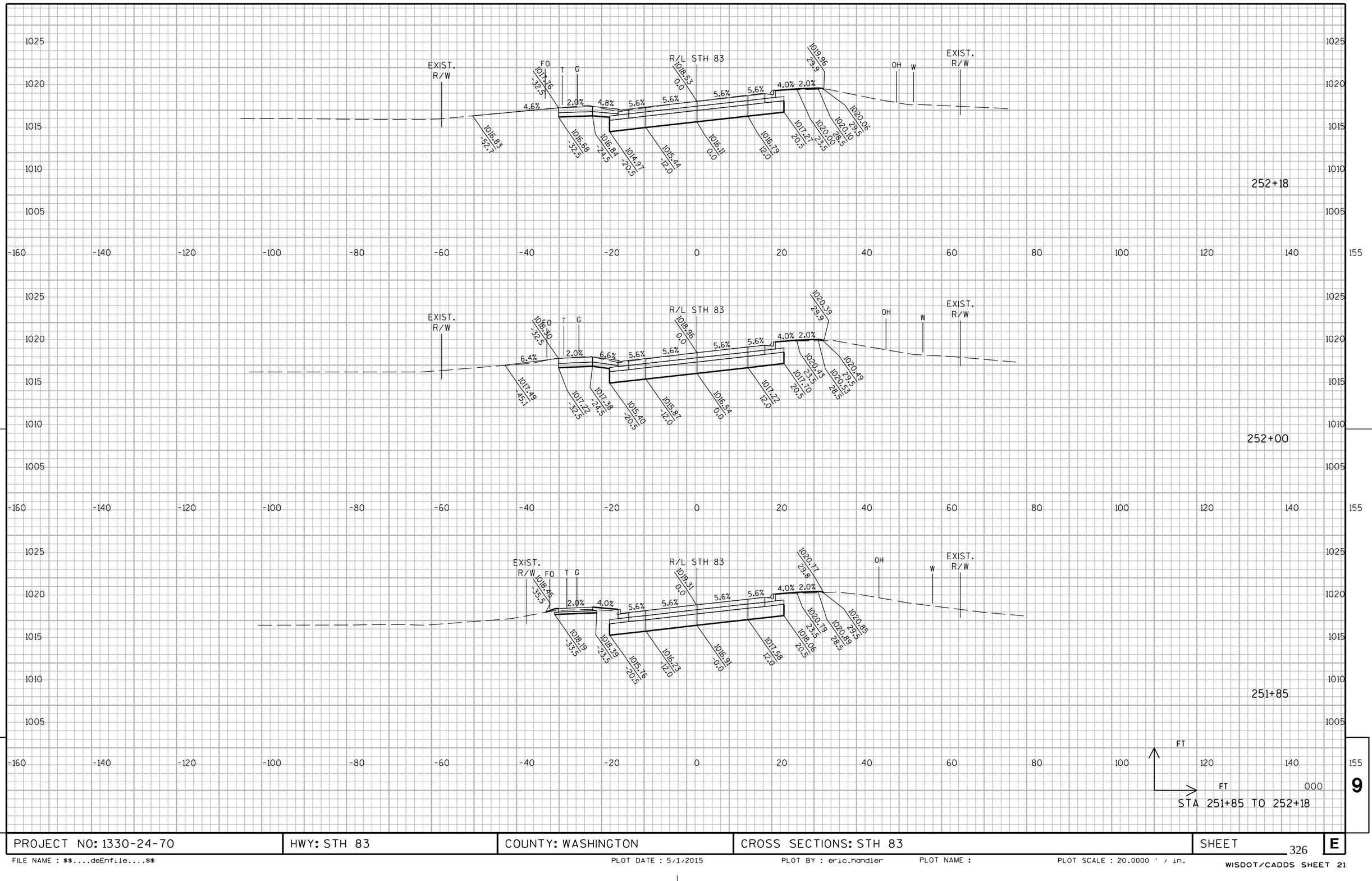
Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections
3 - Fill	Does not include Unusable Pavement Exc volume

DIVISION 3 – STH 83 STAGE 2

Station	Real Station	Distance	Cut	Salvaged/Unusable Pavement Material	Fill	Cut Note 1	Salvaged/Unusable Pavement Material Note 2	Fill Note 3	Cut 1.00 Note 1	Expanded Fill 1.25	Mass Ordinate
257+00.00	25700		134	0.00	2	0	0	0	0	0	0
257+50.00	25750	50	146	0.00	1	260	0	2	260	2	257
258+00.00	25800	50	148	0.00	2	272	0	2	532	5	527
258+50.00	25850	50	145	0.00	0	271	0	2	803	8	795
258+63.69	25864	14	142	0.00	0	73	0	0	876	8	867
259+00.00	25900	36	126	0.00	0	180	0	0	1,056	9	1,047
259+50.00	25950	50	117	0.00	0	225	0	0	1,281	9	1,272
260+00.00	26000	50	102	0.00	1	202	0	1	1,483	10	1,473
260+46.48	26046	46	117	0.00	0	188	0	1	1,671	12	1,659
260+50.00	26050	4	115	0.00	0	15	0	0	1,686	12	1,674
261+00.00	26100	50	96	0.00	2	195	0	2	1,881	14	1,867
261+50.00	26150	50	93	0.00	5	175	0	7	2,056	23	2,033
262+00.00	26200	50	90	0.00	7	169	0	11	2,226	37	2,189
262+50.00	26250	50	112	0.00	0	187	0	6	2,412	45	2,368
263+00.00	26300	50	90	0.00	3	187	0	3	2,599	49	2,550
263+50.00	26350	50	93	0.00	2	169	0	5	2,769	55	2,713
263+81.68	26382	32	103	0.00	0	115	0	2	2,883	57	2,826
264+00.00	26400	18	95	0.00	1	67	0	0	2,951	58	2,893
264+40.45	26440	40	100	0.00	1	147	0	2	3,097	60	3,037
264+50.00	26450	10	108	0.00	0	37	0	0	3,134	60	3,074
264+62.70	26463	13	99	0.00	2	49	0	1	3,183	61	3,122
265+00.00	26500	37	91	0.00	1	131	0	2	3,314	64	3,250
265+43.62	26544	44	93	0.00	2	148	0	2	3,462	67	3,395
265+50.00	26550	6	92	0.00	2	22	0	0	3,484	68	3,416
265+81.87	26582	32	101	0.00	0	114	0	1	3,598	69	3,529
266+00.00	26600	18	92	0.00	2	65	0	1	3,663	70	3,593
266+50.00	26650	50	88	0.00	3	168	0	5	3,831	76	3,755
				Column totals		3,831	0	61			

Notes:

1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections
3 - Fill	Does not include Unusable Pavement Exc volume



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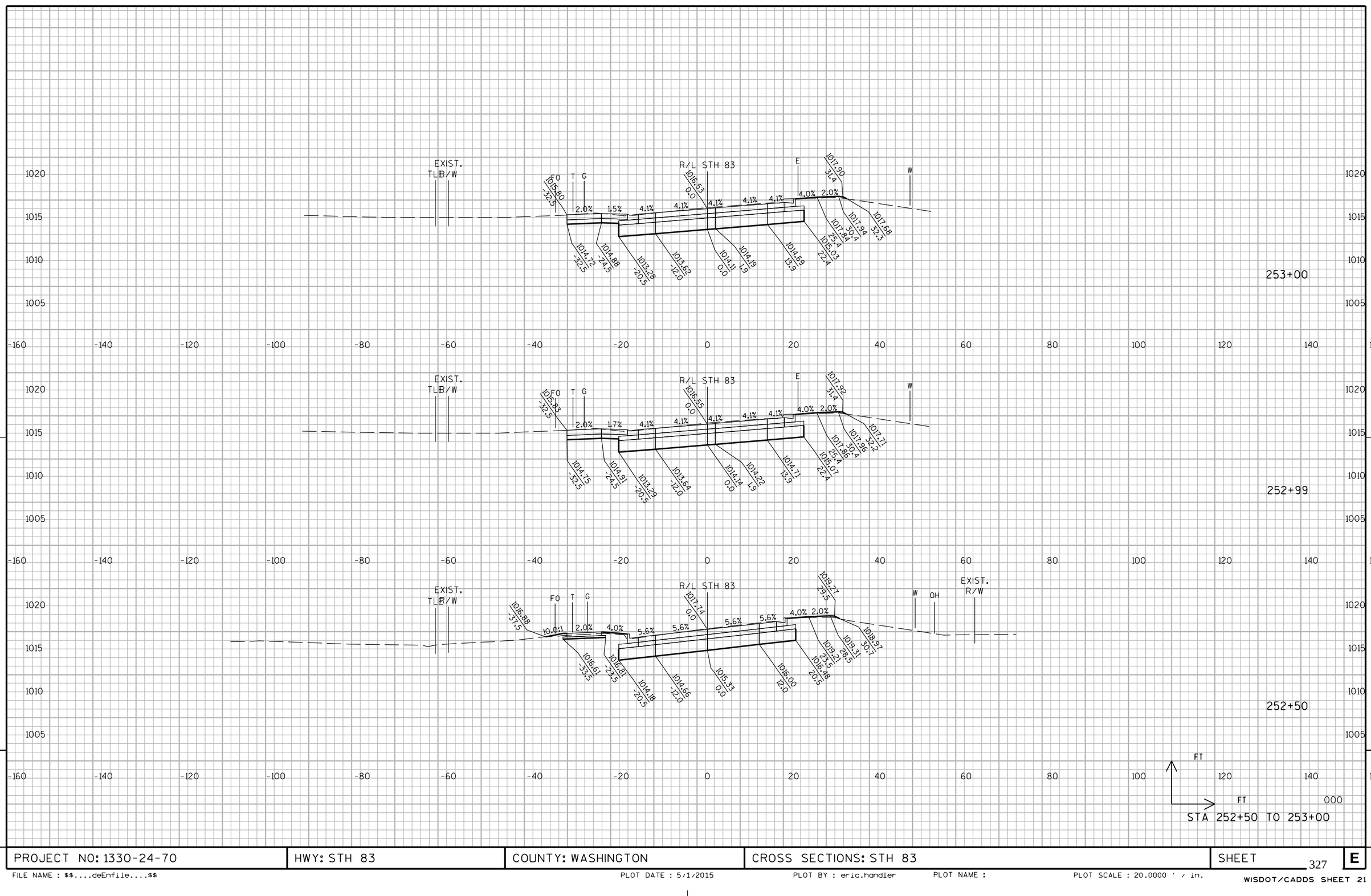

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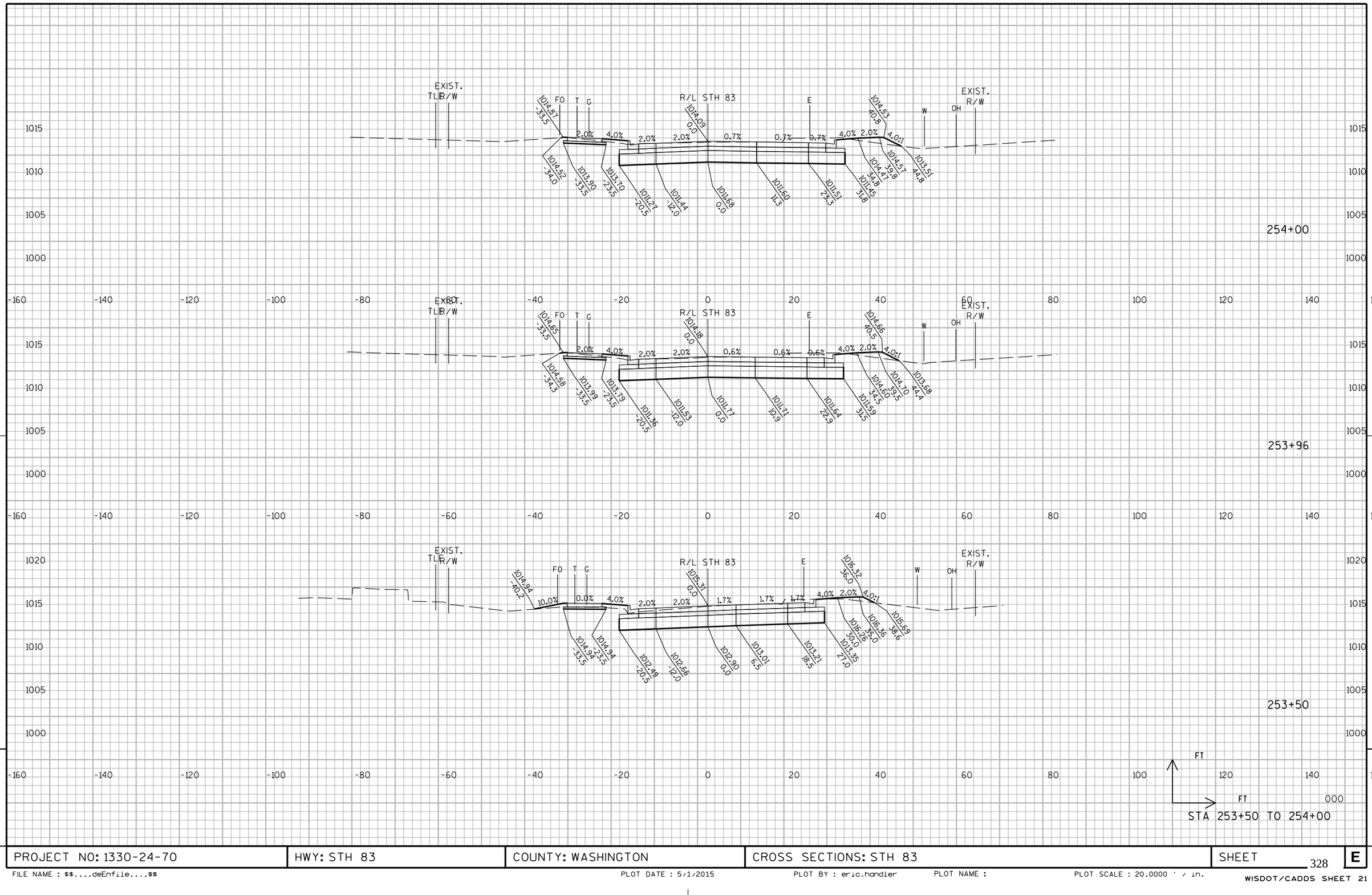

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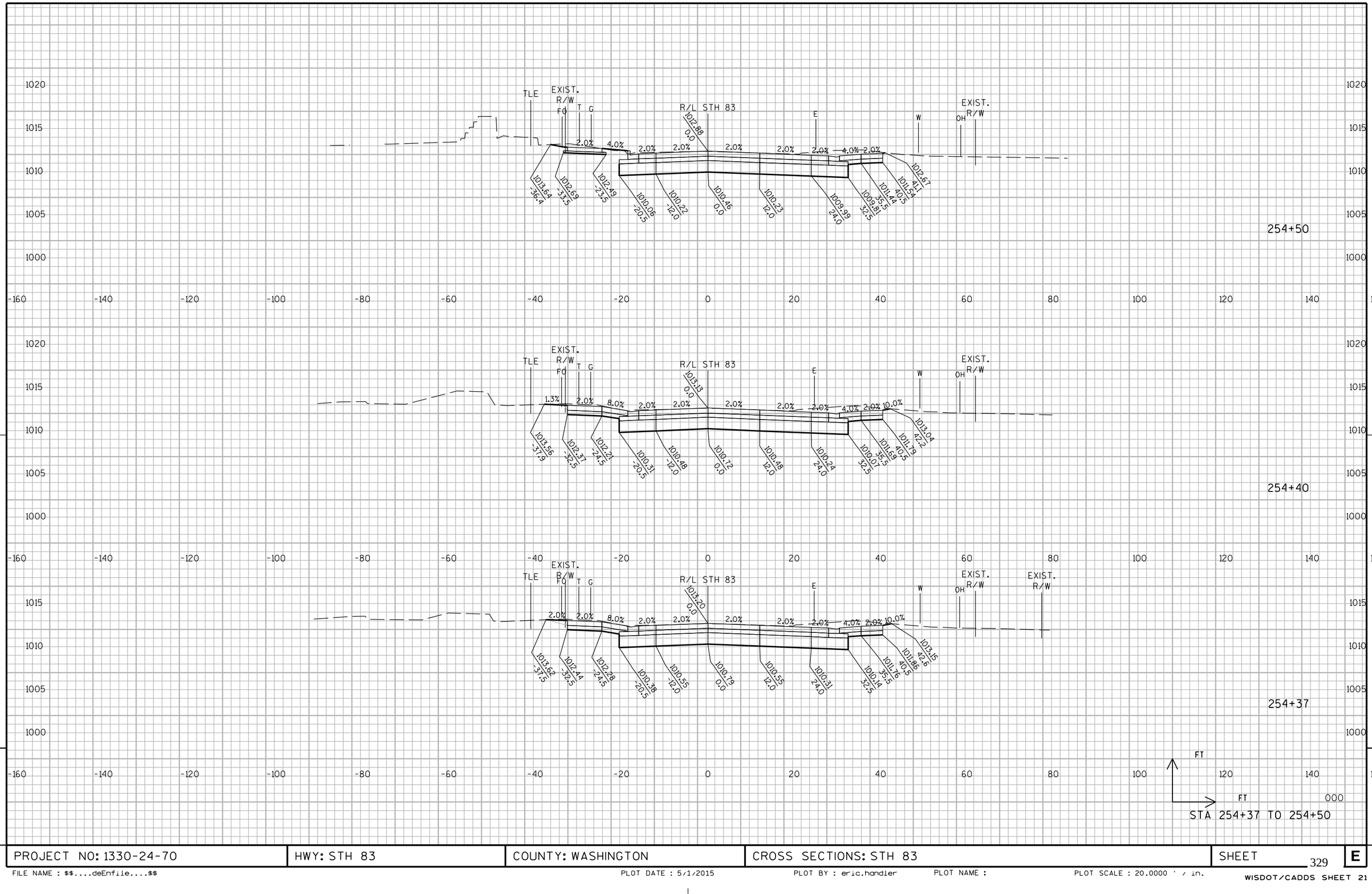

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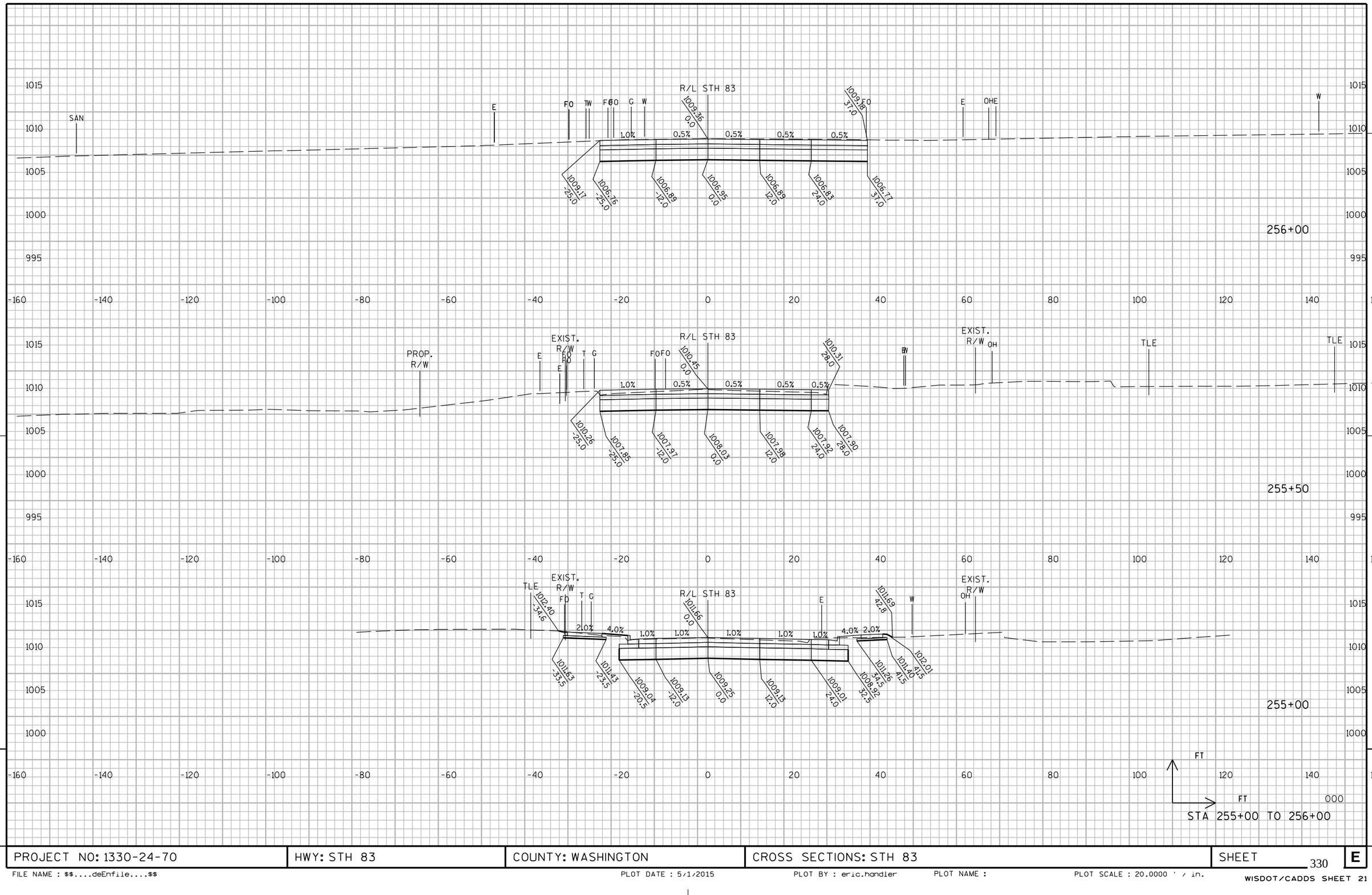

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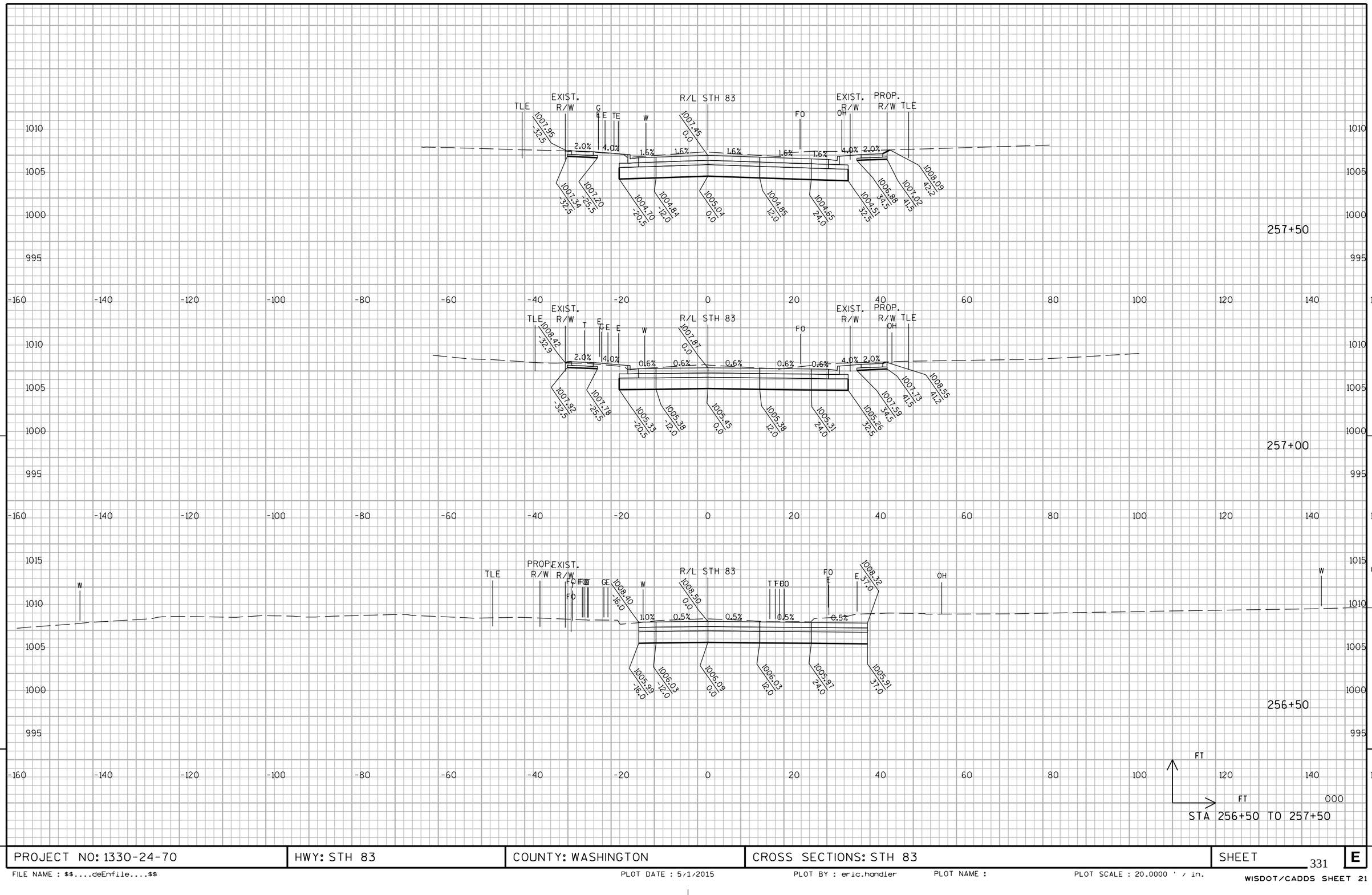

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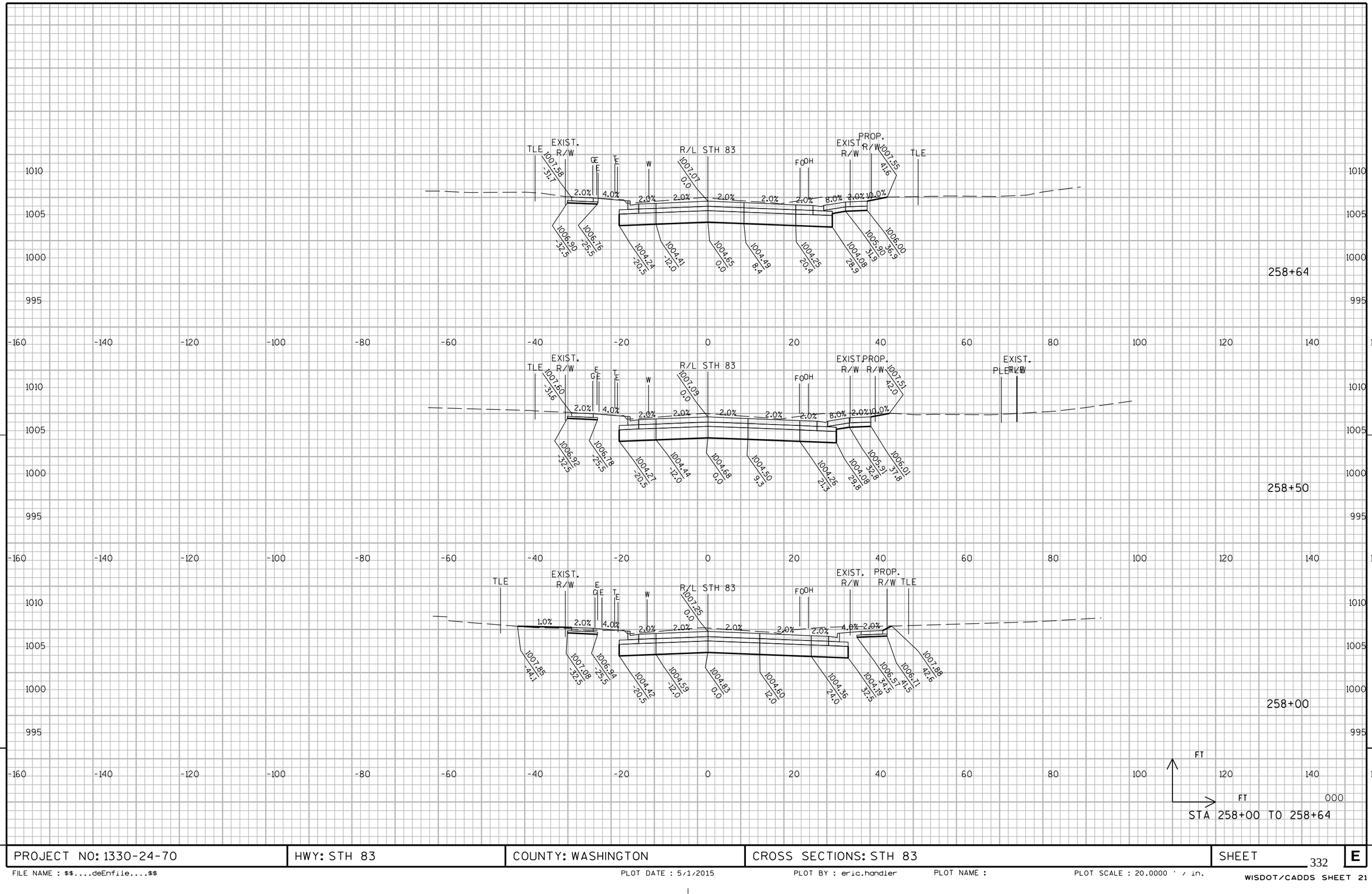

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PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: STH 83	SHEET 332	E

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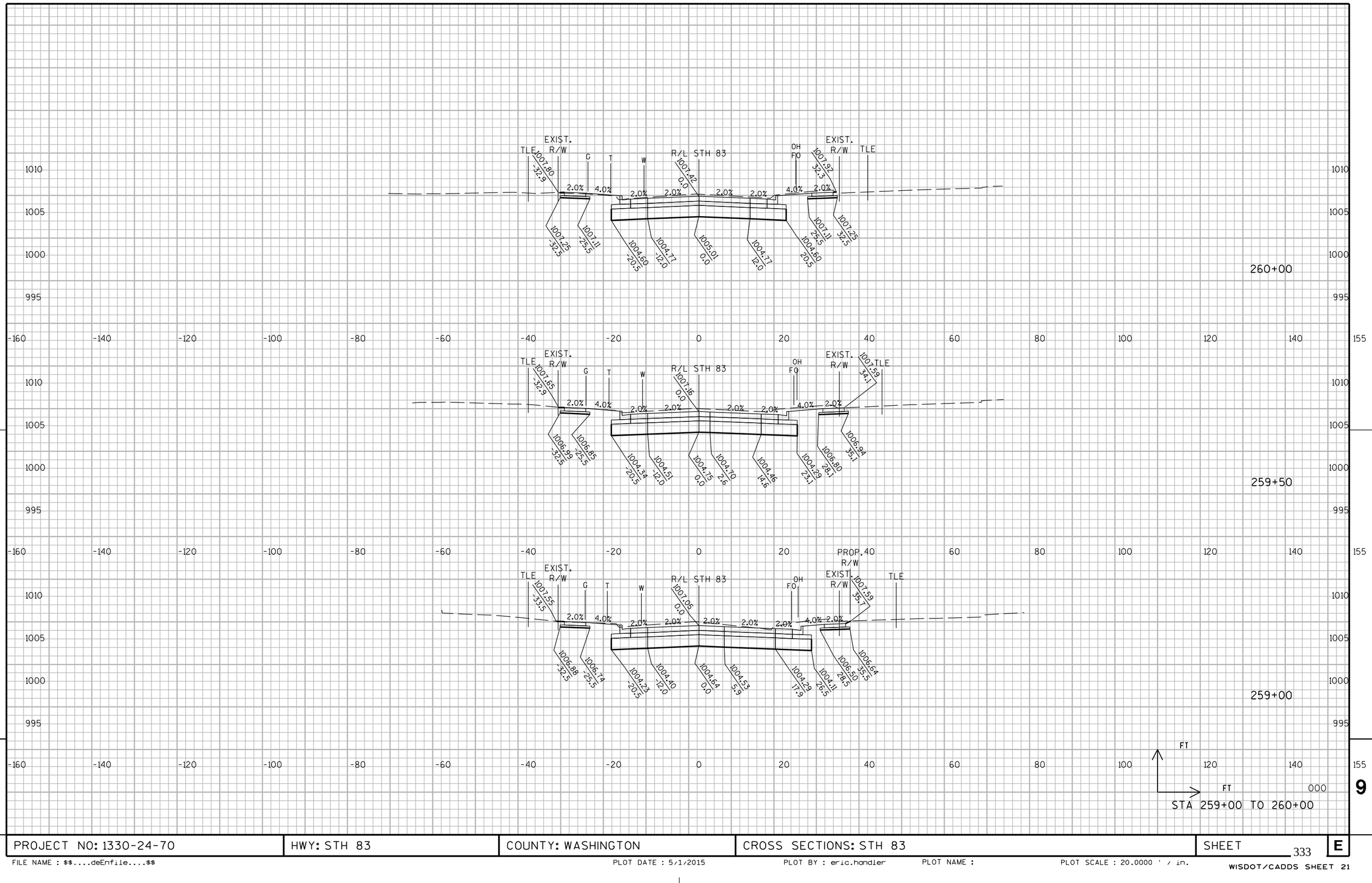

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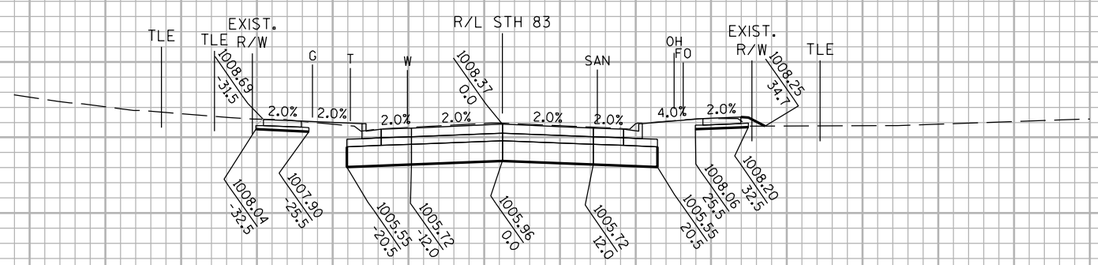

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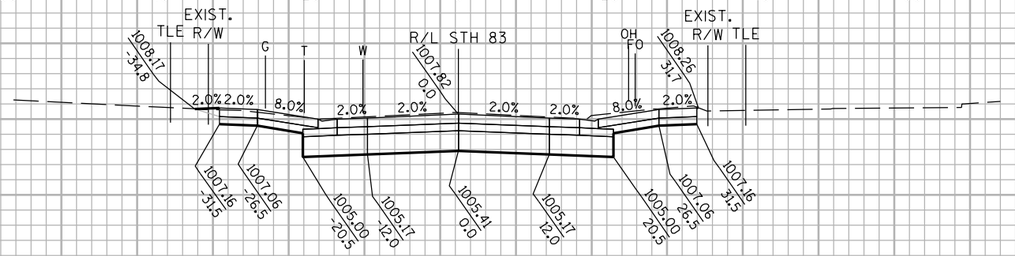

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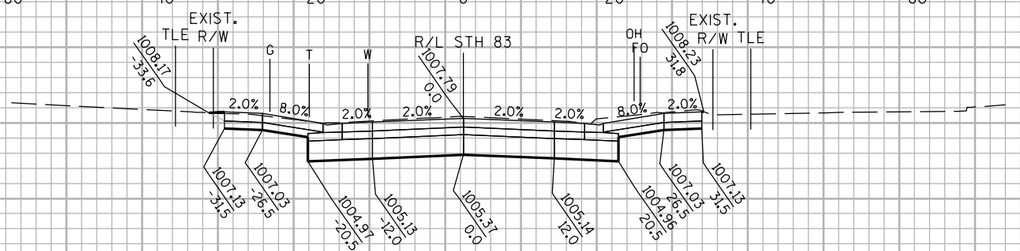

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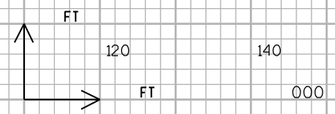

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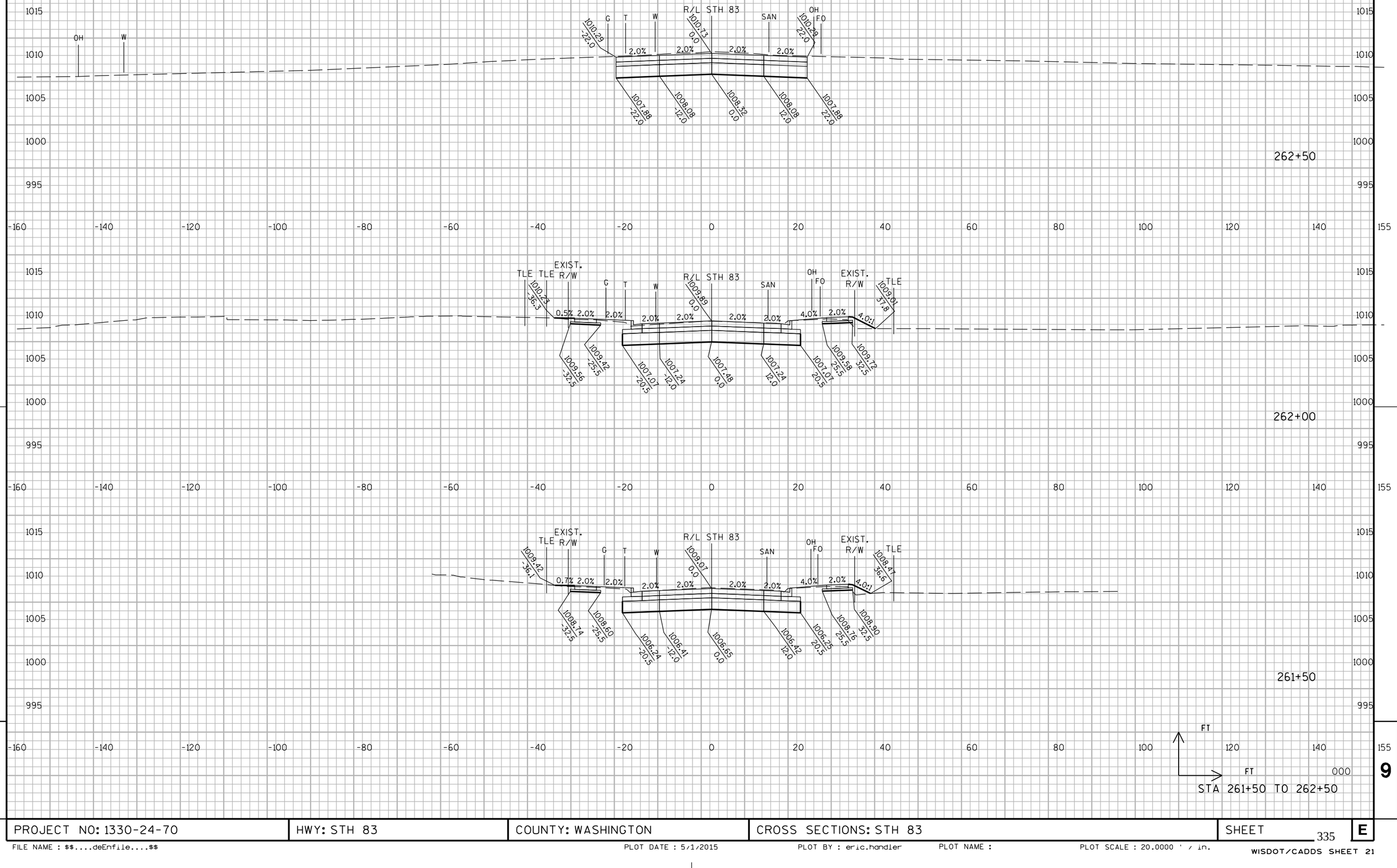

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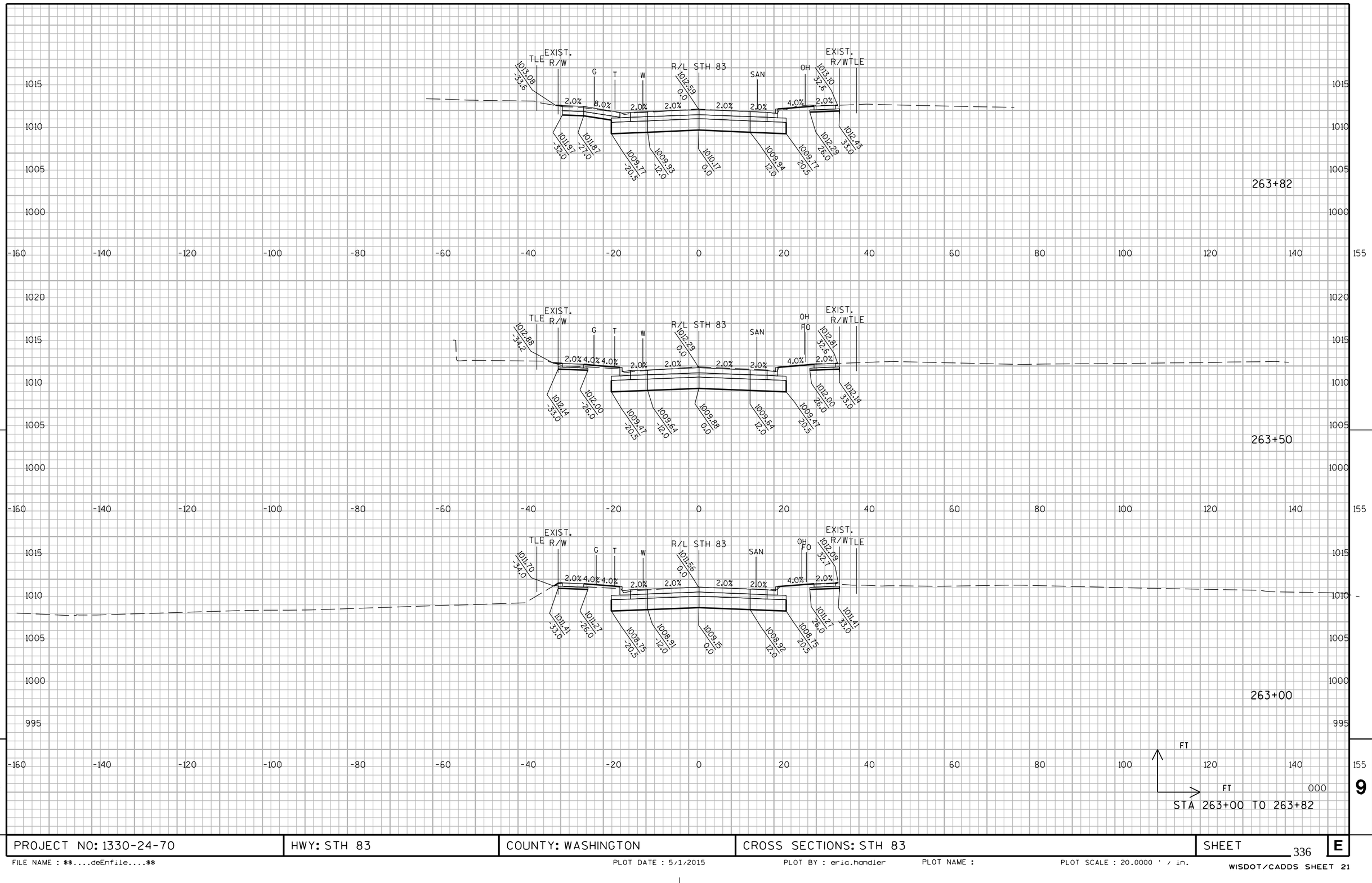
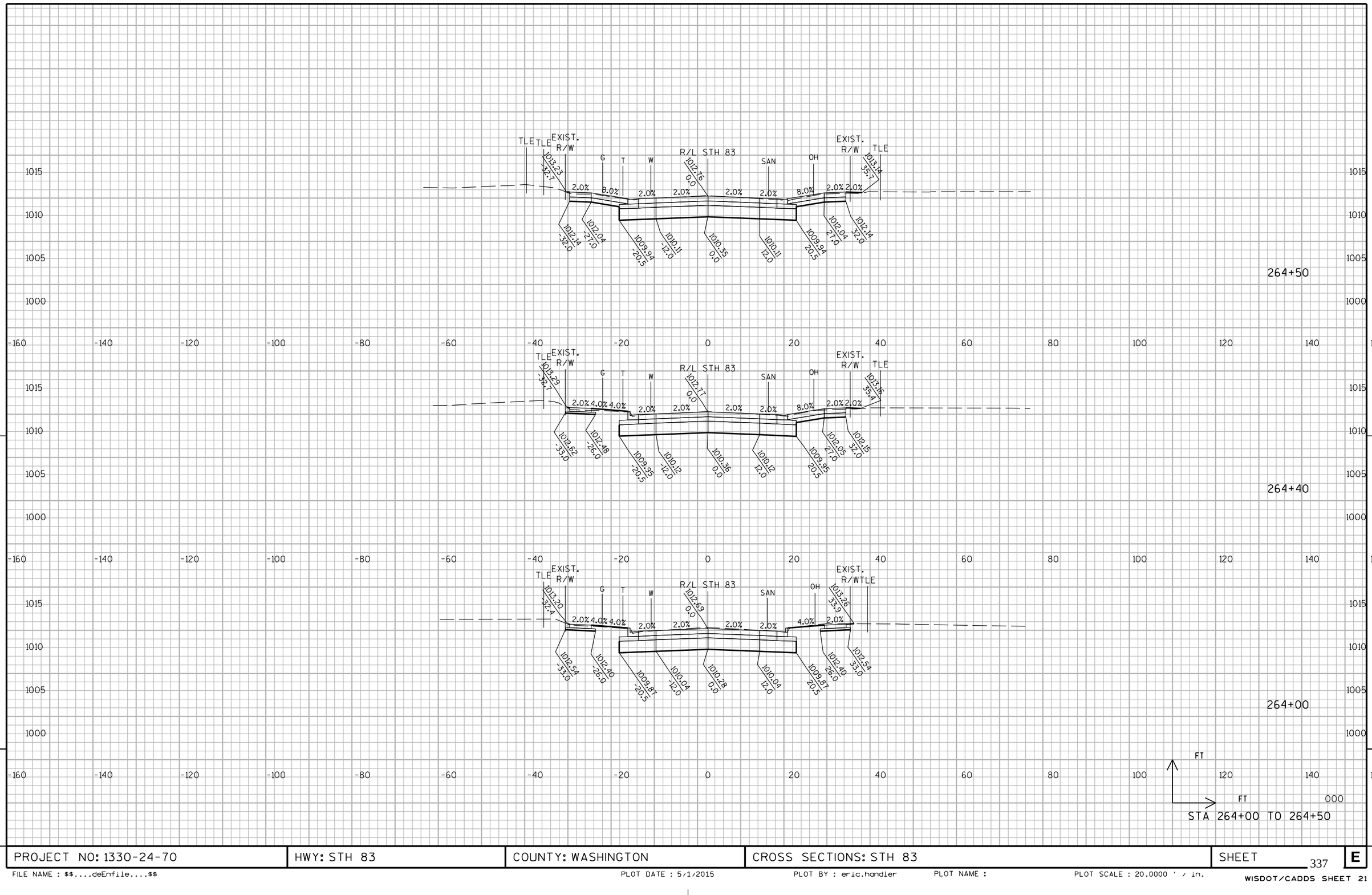
WISDOT/CADDS SHEET 21



PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: STH 83	SHEET 336 E



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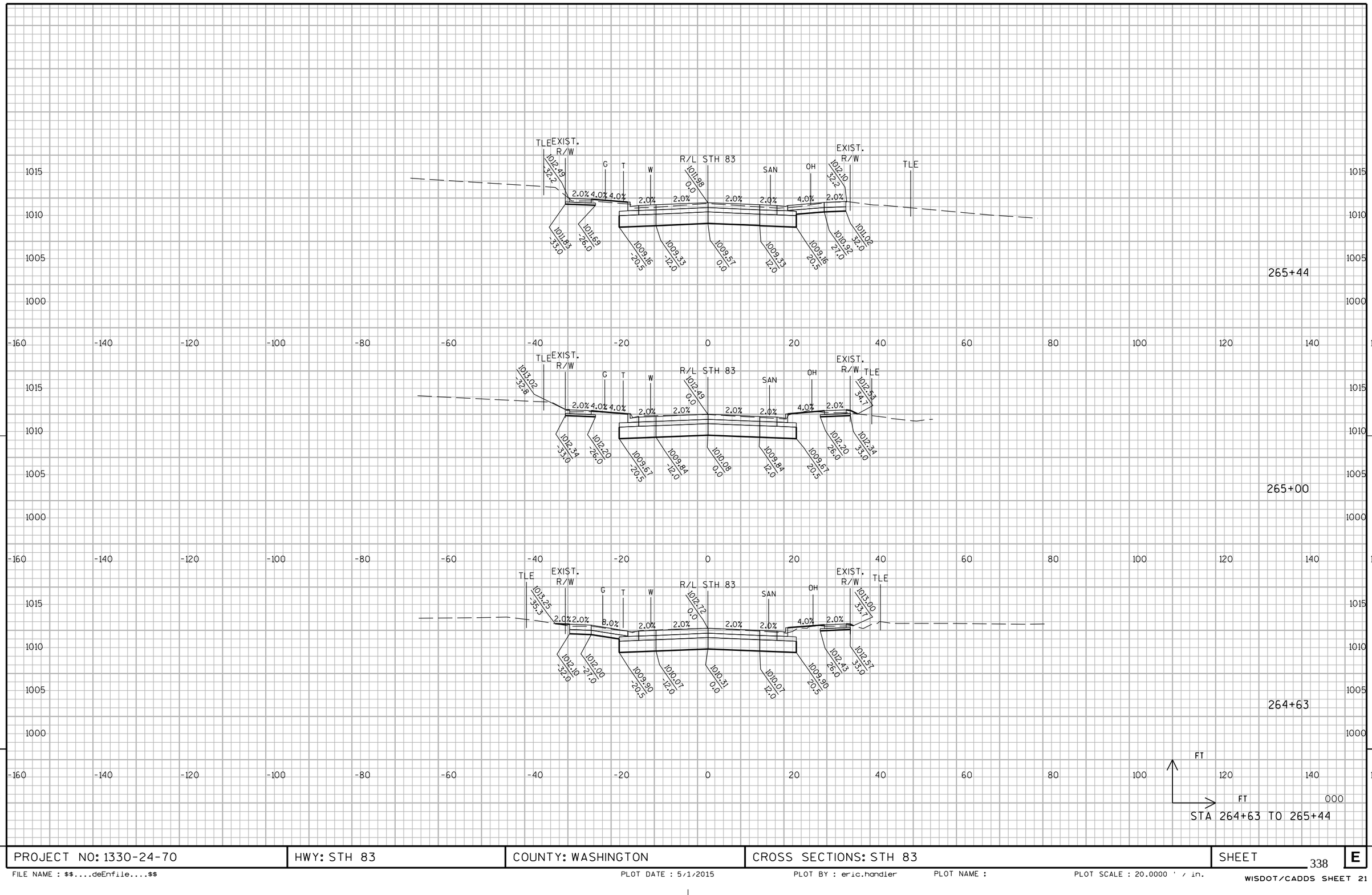
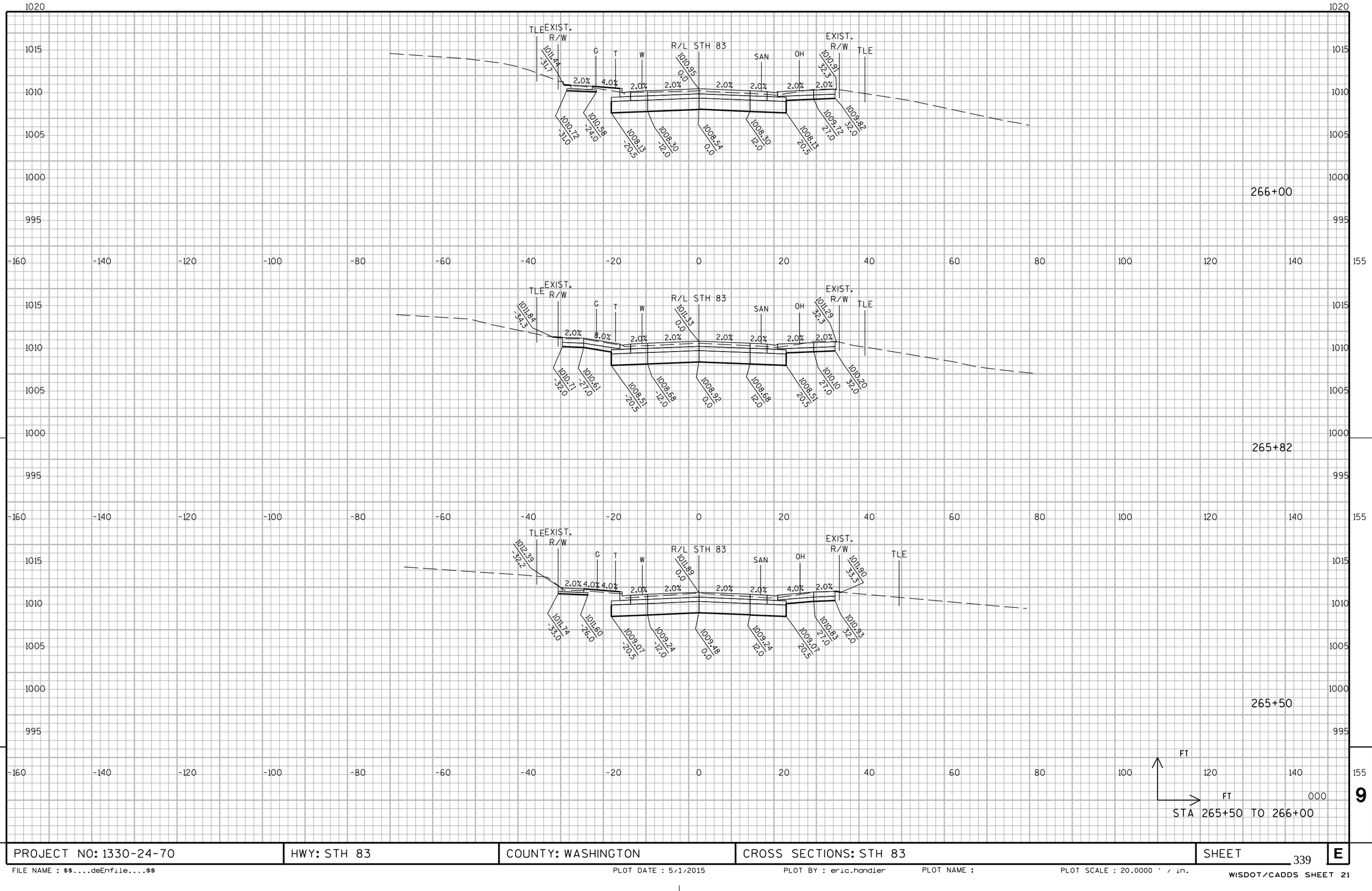
PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: STH 83	SHEET 337	E



PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: STH 83	SHEET 338	E

FILE NAME : $$....deEnfile....$$ PLOT DATE : 5/1/2015 PLOT BY : eric.handler PLOT NAME : PLOT SCALE : 20.0000 ' / in.

WISDOT/CADDS SHEET 21



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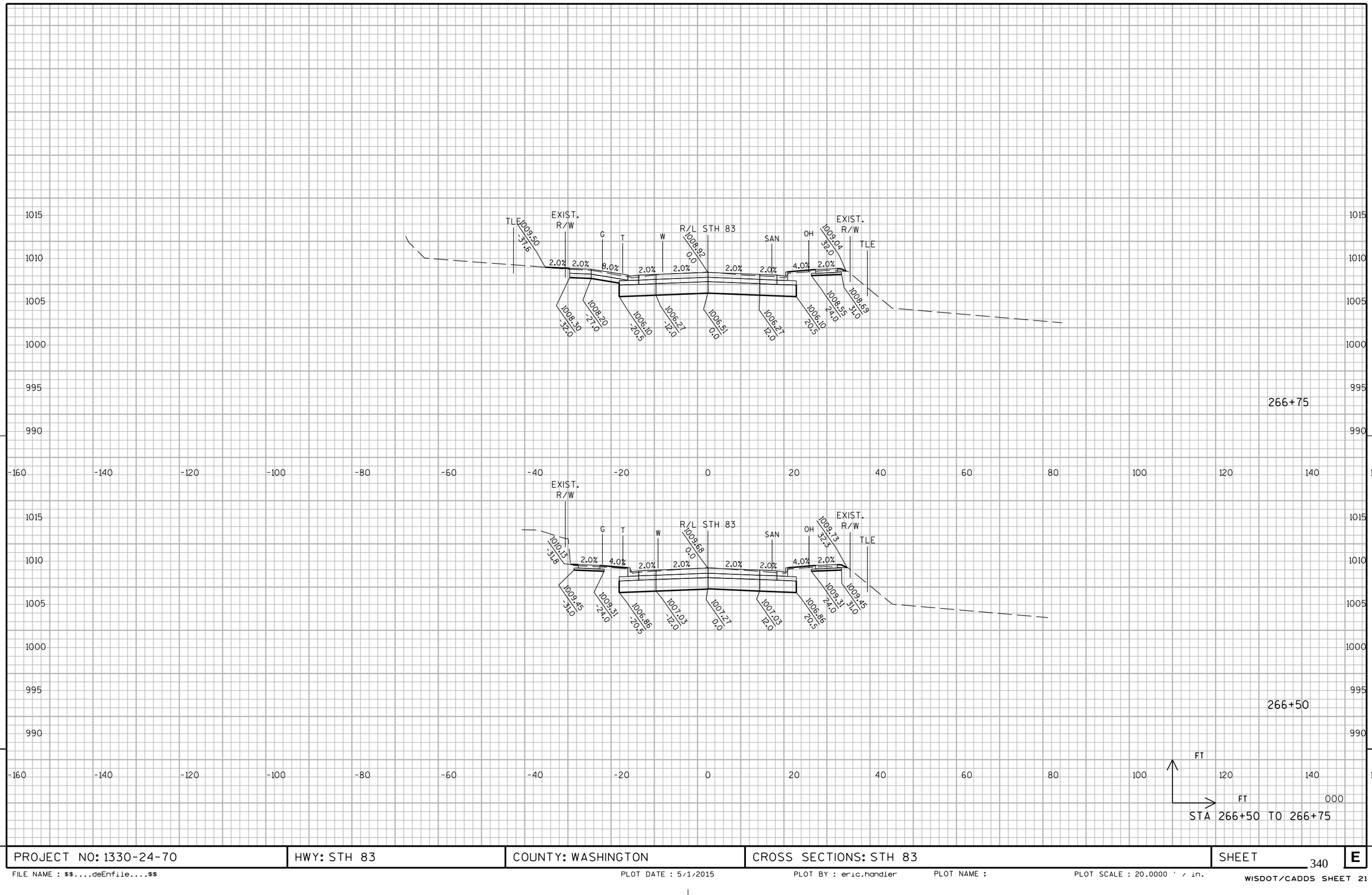
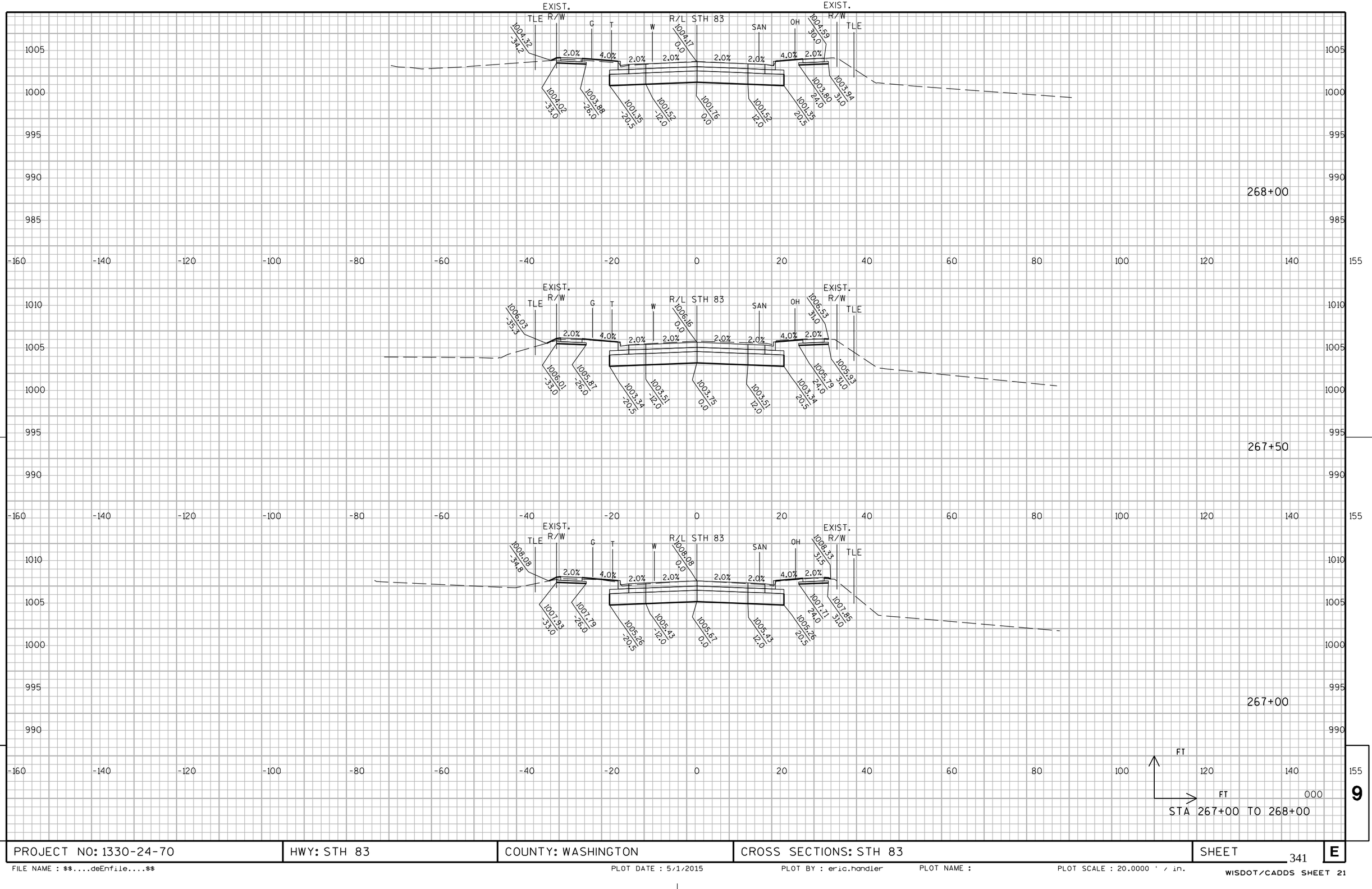
PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: STH 83	SHEET 339	E



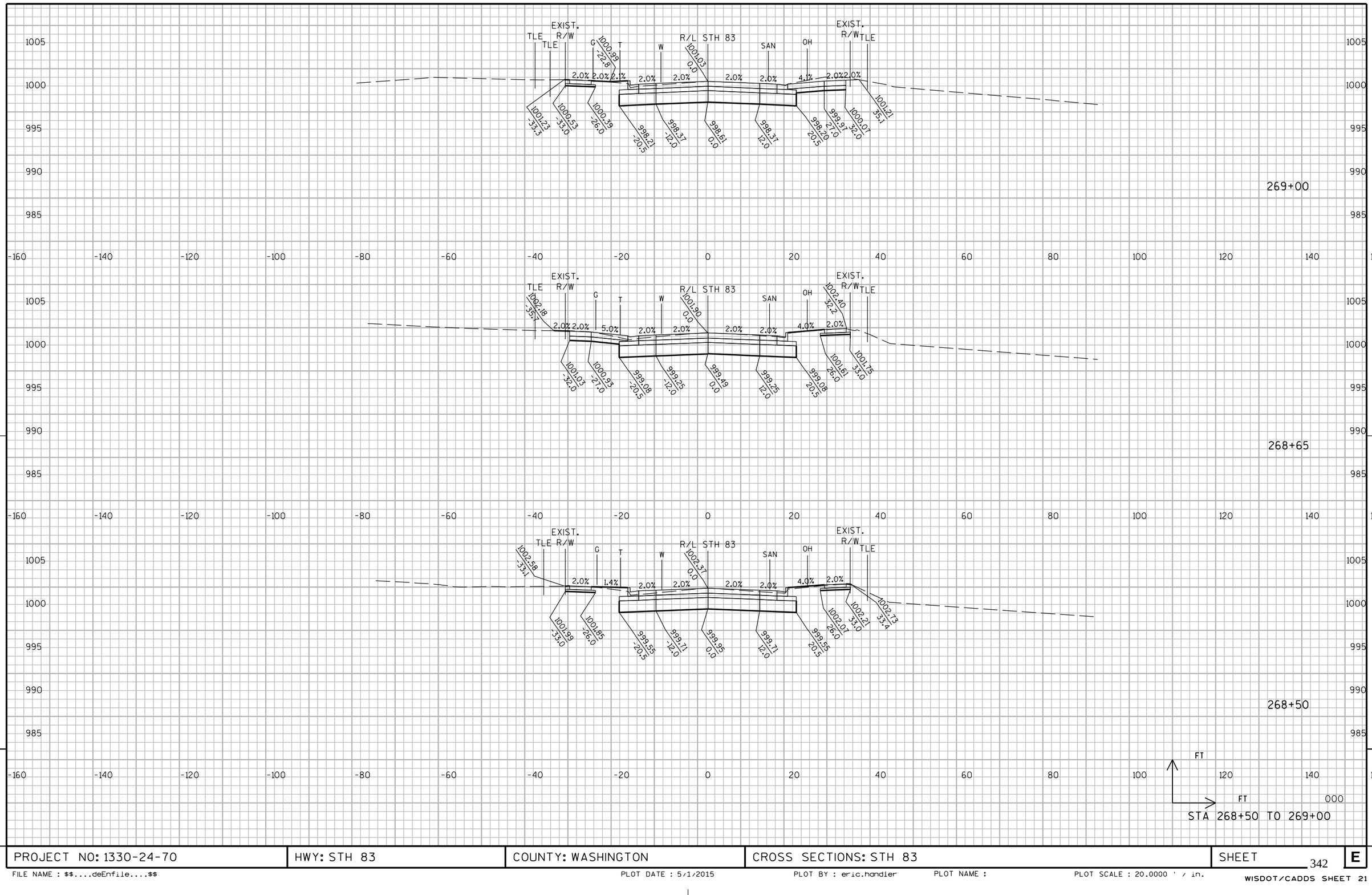
PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: STH 83	SHEET 340	E



PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: STH 83	SHEET 341 E

FILE NAME : $$....deEnfile....$$ PLOT DATE : 5/1/2015 PLOT BY : eric.handler PLOT NAME : PLOT SCALE : 20.0000 ' / in.

WISDOT/CADDS SHEET 21



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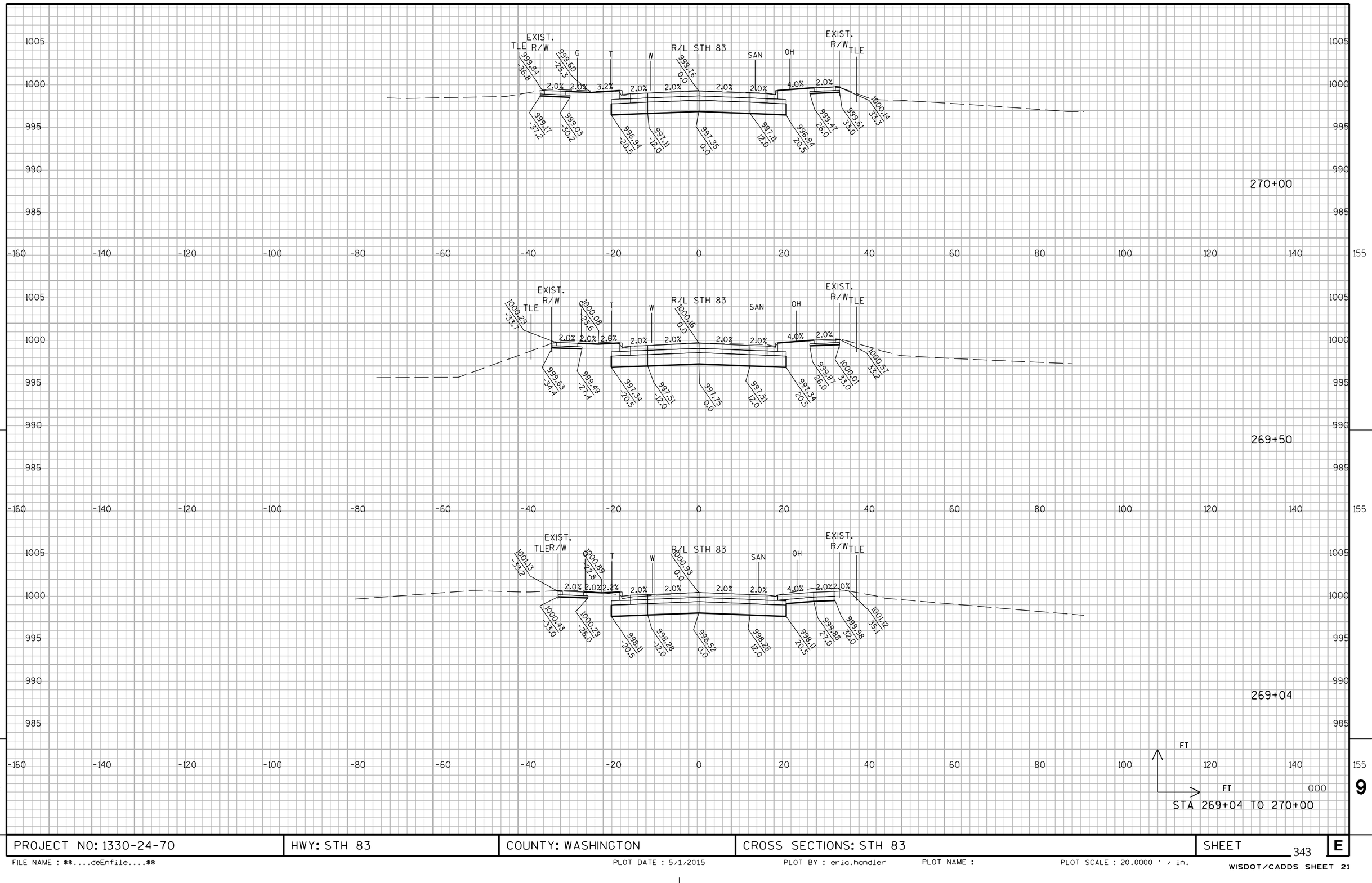
PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: STH 83	SHEET 342	E

FILE NAME : $$....deEnfile....$$ PLOT DATE : 5/1/2015 PLOT BY : eric.handler PLOT NAME : PLOT SCALE : 20.0000 ' / in.

WISDOT/CADDS SHEET 21



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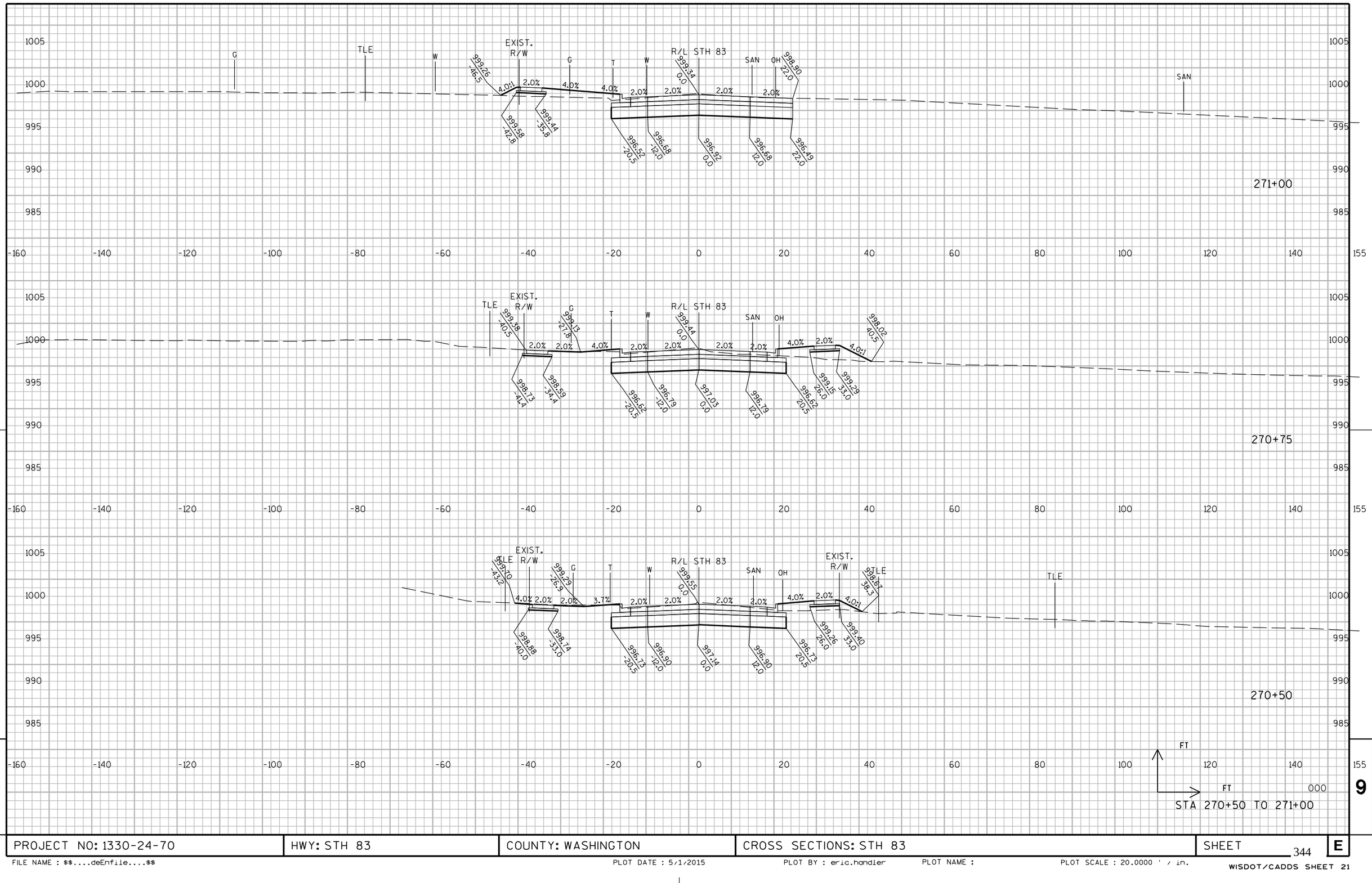
PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: STH 83	SHEET 343	E

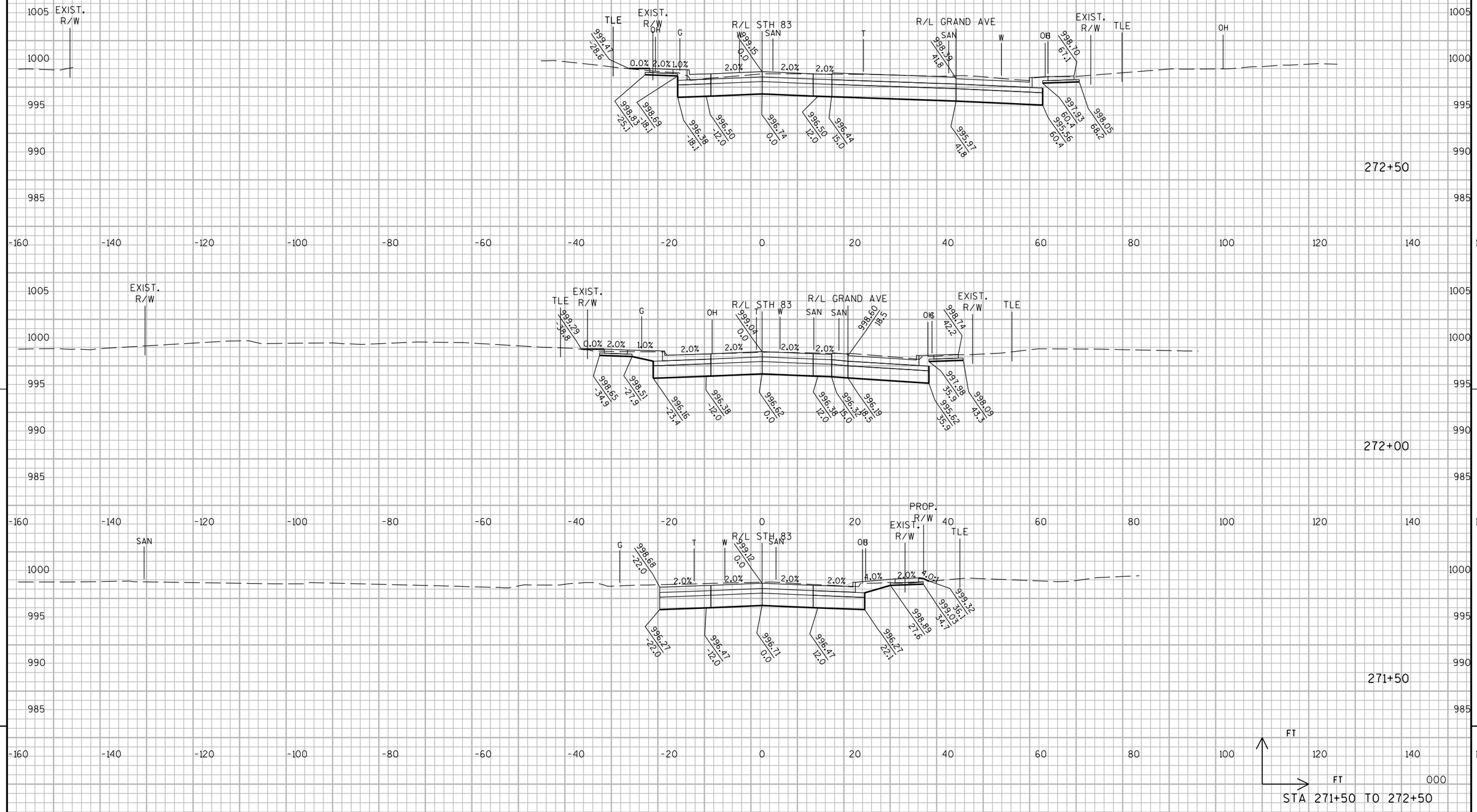
9

FILE NAME : $$....deEnfile....$$ PLOT DATE : 5/1/2015 PLOT BY : eric.handler PLOT NAME : PLOT SCALE : 20.0000 ' / in.

WISDOT/CADDS SHEET 21



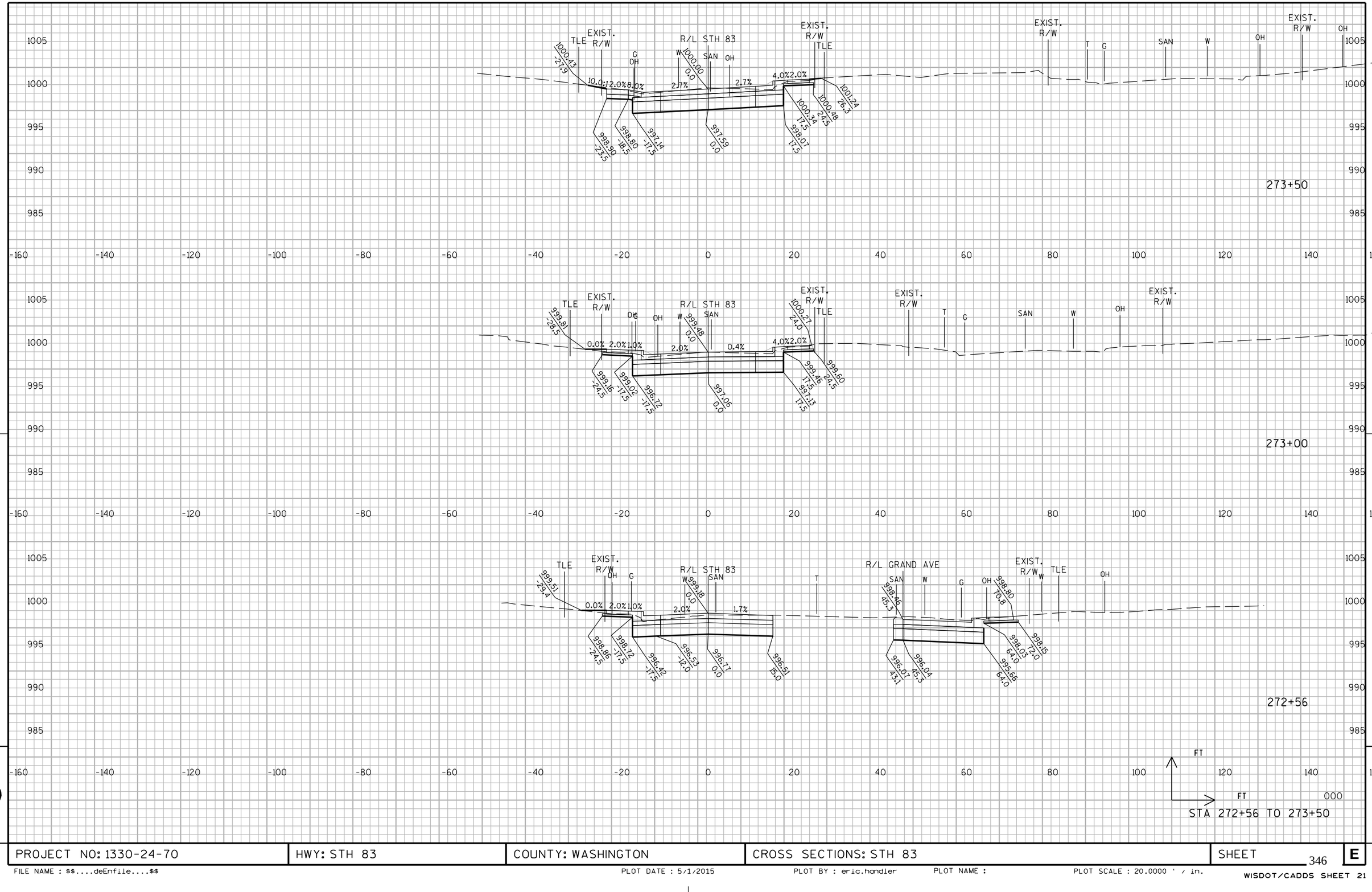
PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: STH 83	SHEET 344	E



PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: STH 83	SHEET 345	E

FILE NAME : $$....deEnfile....$$ PLOT DATE : 5/1/2015 PLOT BY : eric.handler PLOT NAME : PLOT SCALE : 20.0000 ' / in.

WISDOT/CADDS SHEET 21



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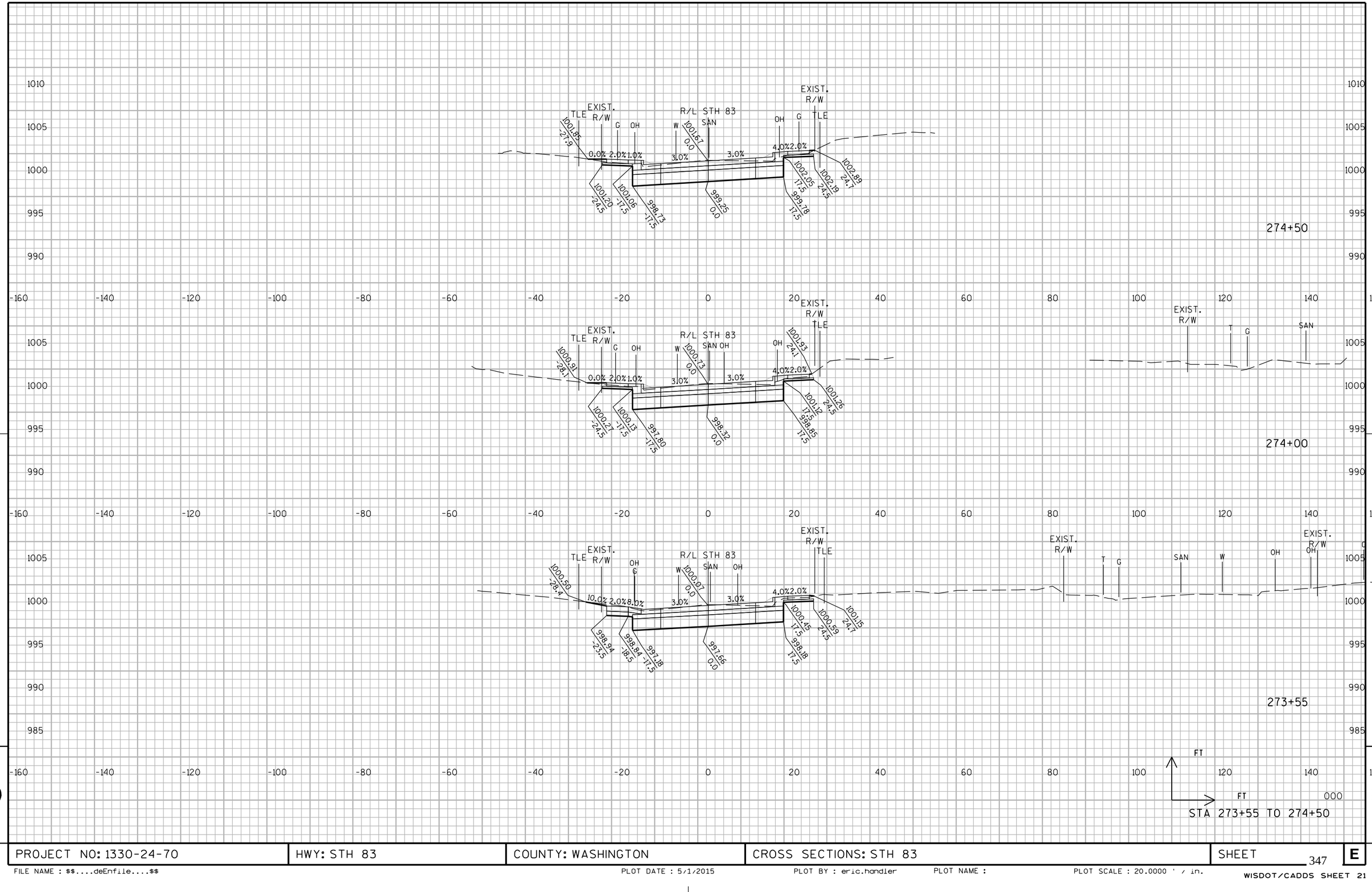
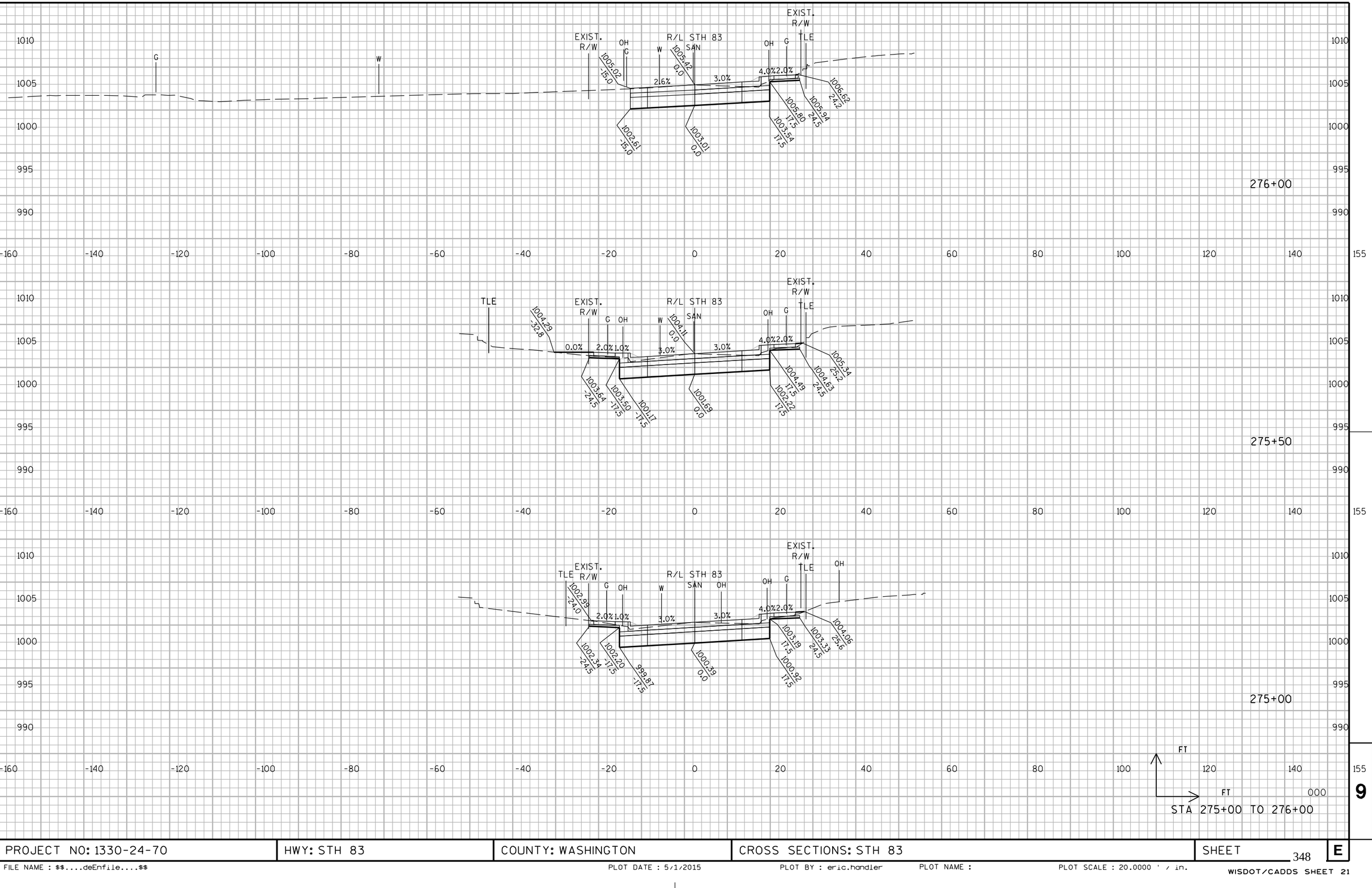
PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: STH 83	SHEET 346	E



PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: STH 83	SHEET 347	E

FILE NAME : $$....deEnfile....$$ PLOT DATE : 5/1/2015 PLOT BY : eric.handler PLOT NAME : PLOT SCALE : 20.0000 ' / in.

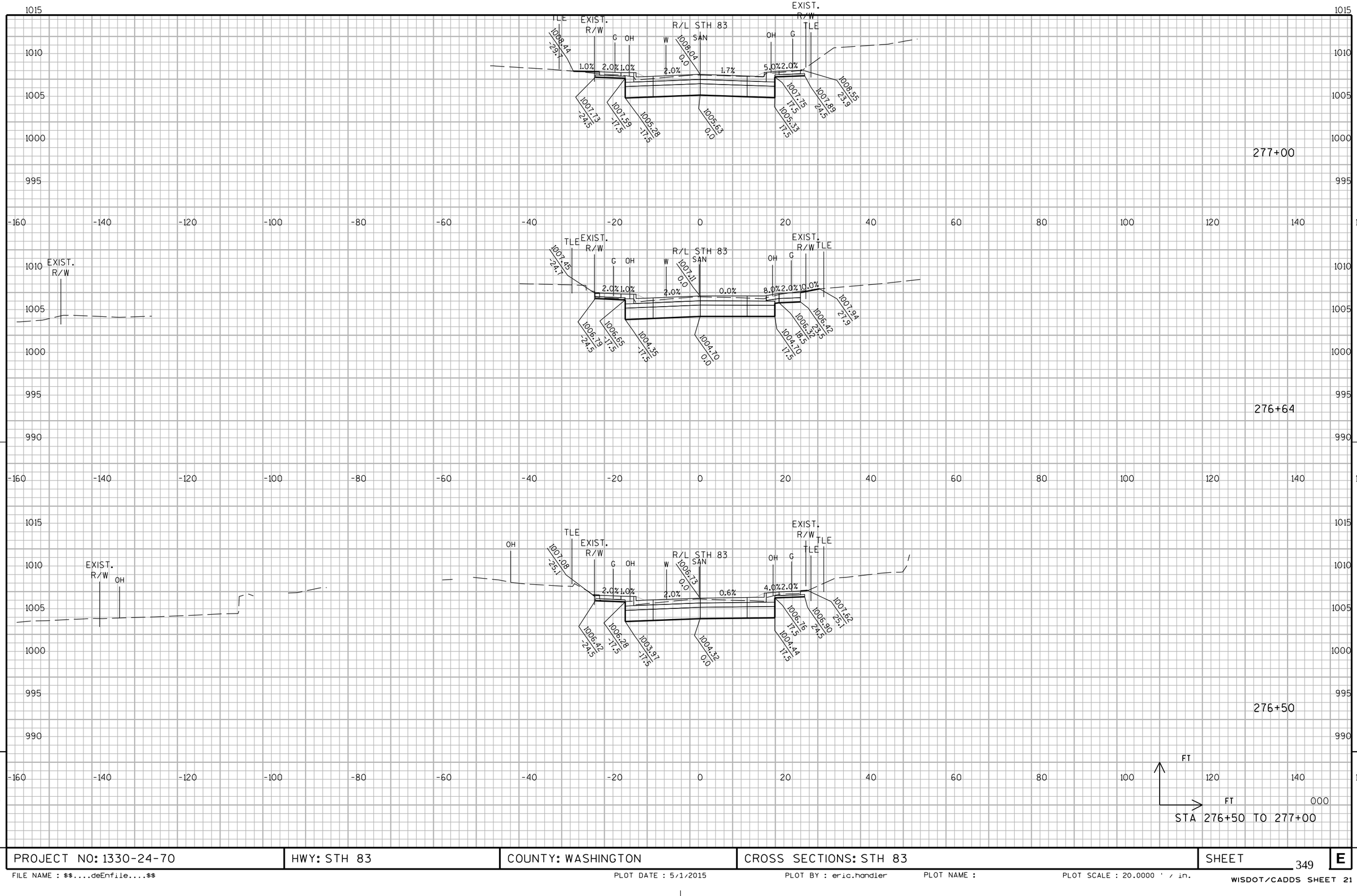
WISDOT/CADDS SHEET 21



PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: STH 83	SHEET 348	E

FILE NAME : $$....deEnfile....$$ PLOT DATE : 5/1/2015 PLOT BY : eric.handler PLOT NAME : PLOT SCALE : 20.0000 ' / in.

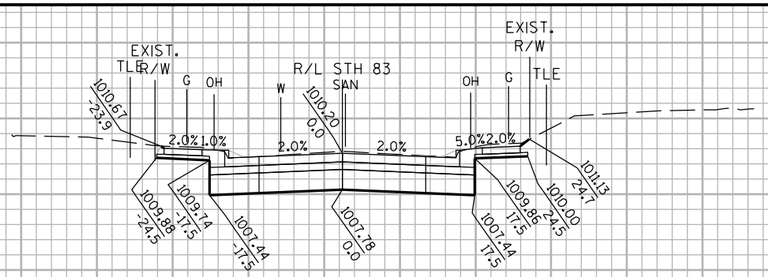
WISDOT/CADDS SHEET 21



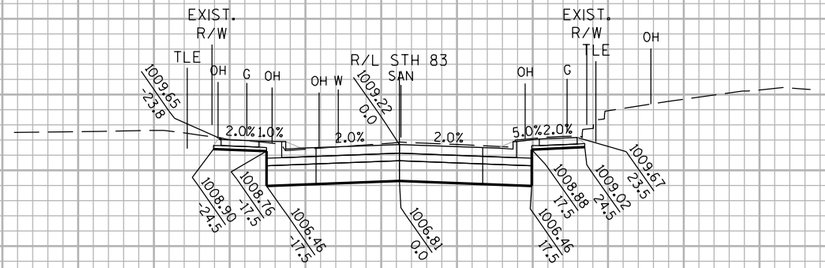
PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: STH 83	SHEET 349	E

FILE NAME : $$....deEnfile....$$ PLOT DATE : 5/1/2015 PLOT BY : eric.handler PLOT NAME : PLOT SCALE : 20.0000 ' / in.

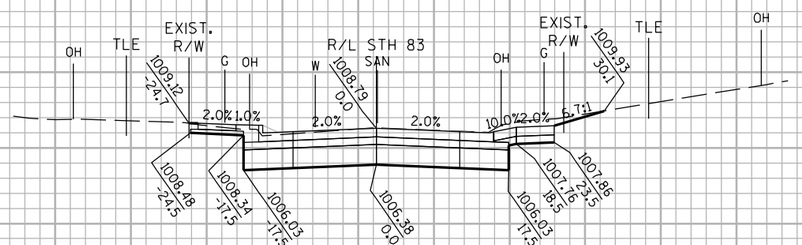
WISDOT/CADDS SHEET 21



278+00



277+50



277+31

FT

FT 000

STA 277+31 TO 278+00

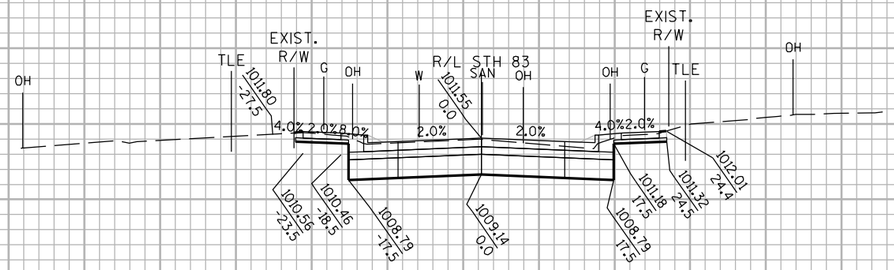
9

9

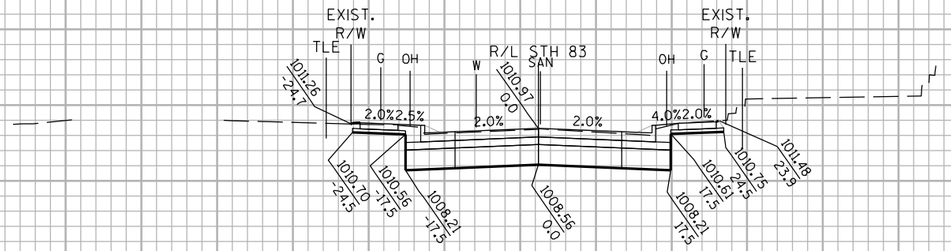
PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: STH 83	SHEET 350	E

FILE NAME : $$....deEnfile....$$ PLOT DATE : 5/1/2015 PLOT BY : eric.handler PLOT NAME : PLOT SCALE : 20.0000 ' / in.

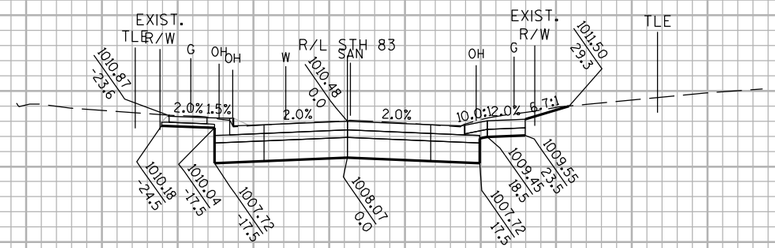
WISDOT/CADDS SHEET 21



279+00



278+50



278+17

FT
FT
000
STA 278+17 TO 279+00

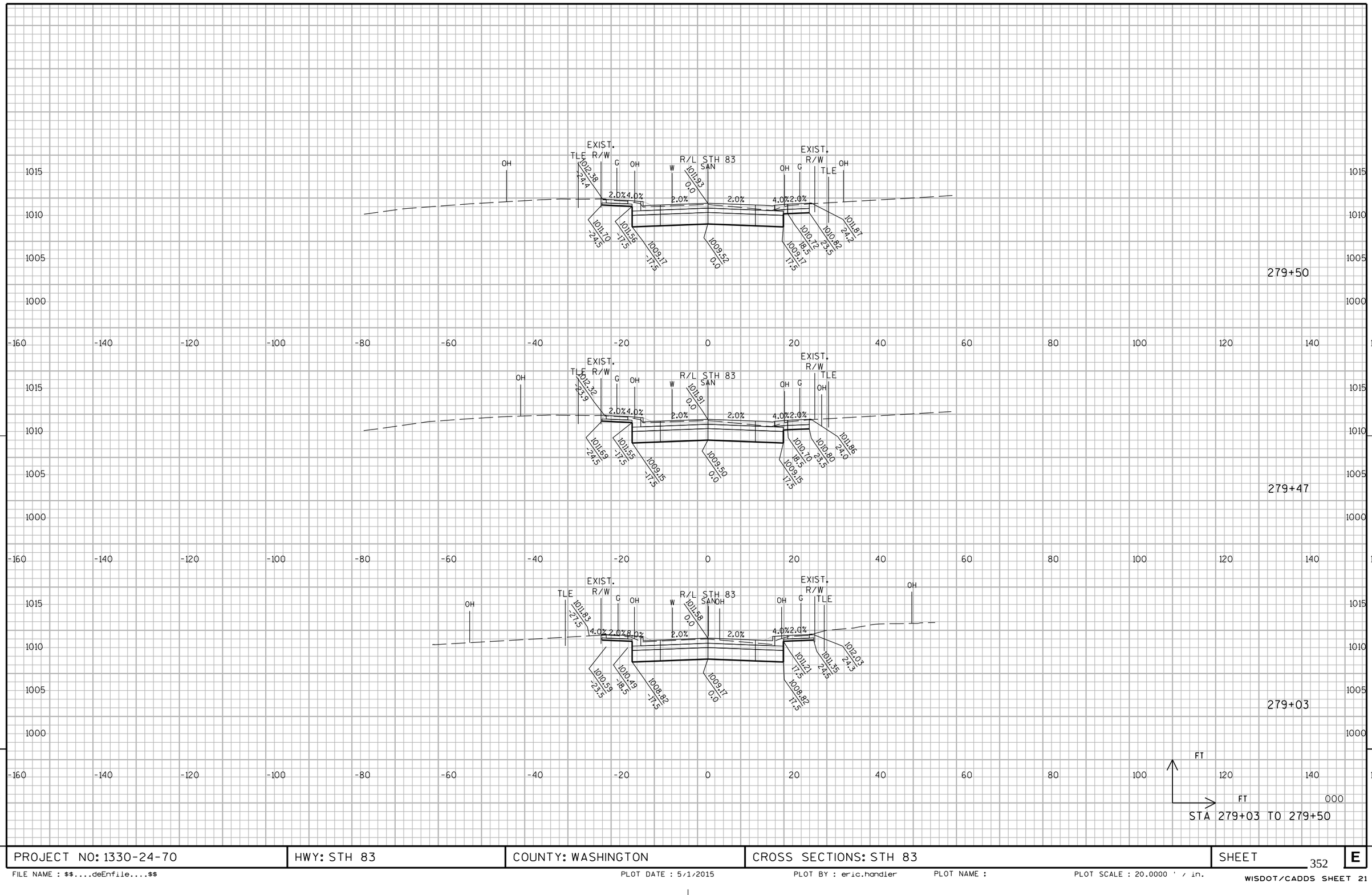
9

9

PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: STH 83	SHEET 351	E

FILE NAME : $$....deEnfile....$$ PLOT DATE : 5/1/2015 PLOT BY : eric.handler PLOT NAME : PLOT SCALE : 20.0000 ' / in.

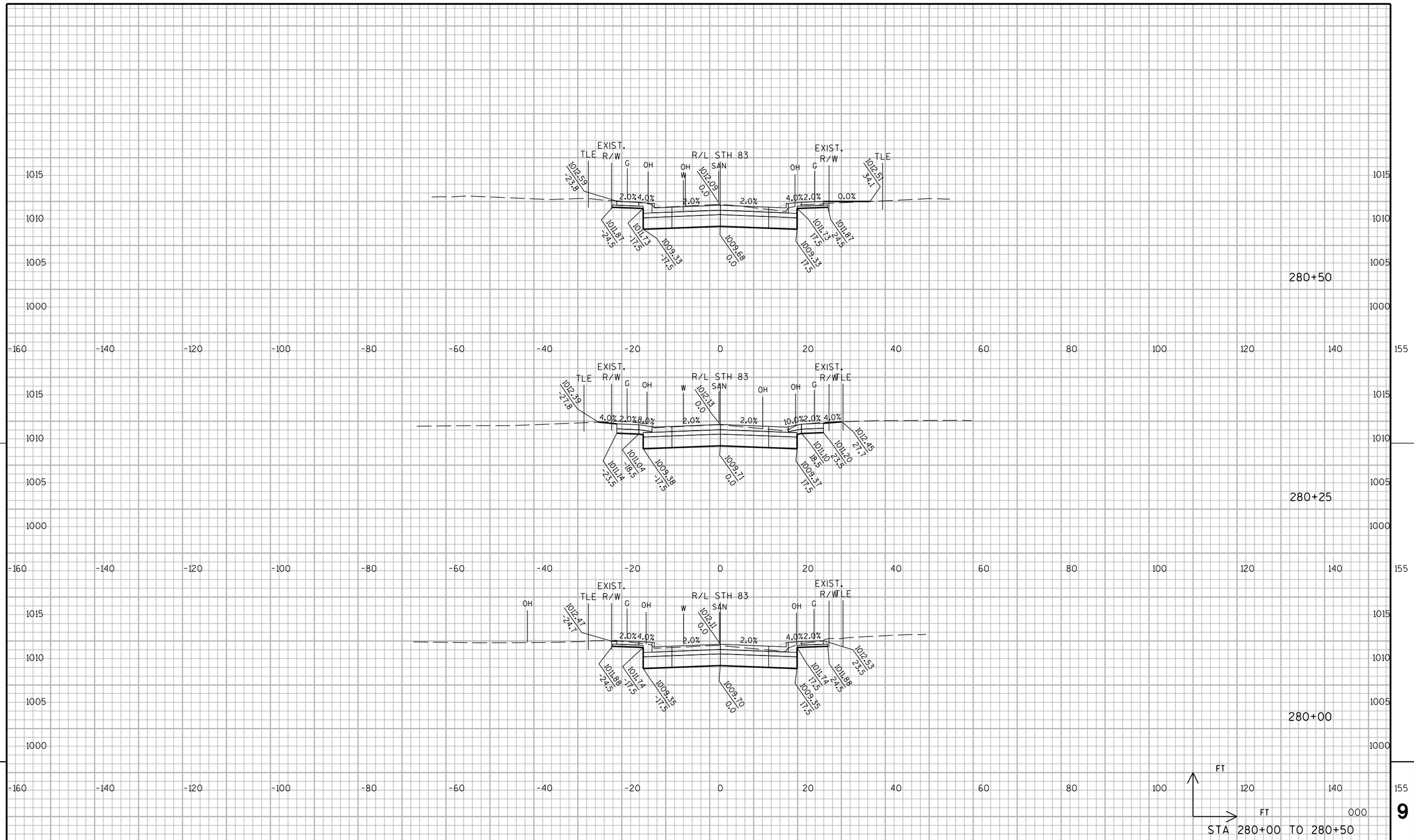
WISDOT/CADDS SHEET 21



PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: STH 83	SHEET 352	E

FILE NAME : $$....deEnfile....$$ PLOT DATE : 5/1/2015 PLOT BY : eric.handler PLOT NAME : PLOT SCALE : 20.0000 ' / in.

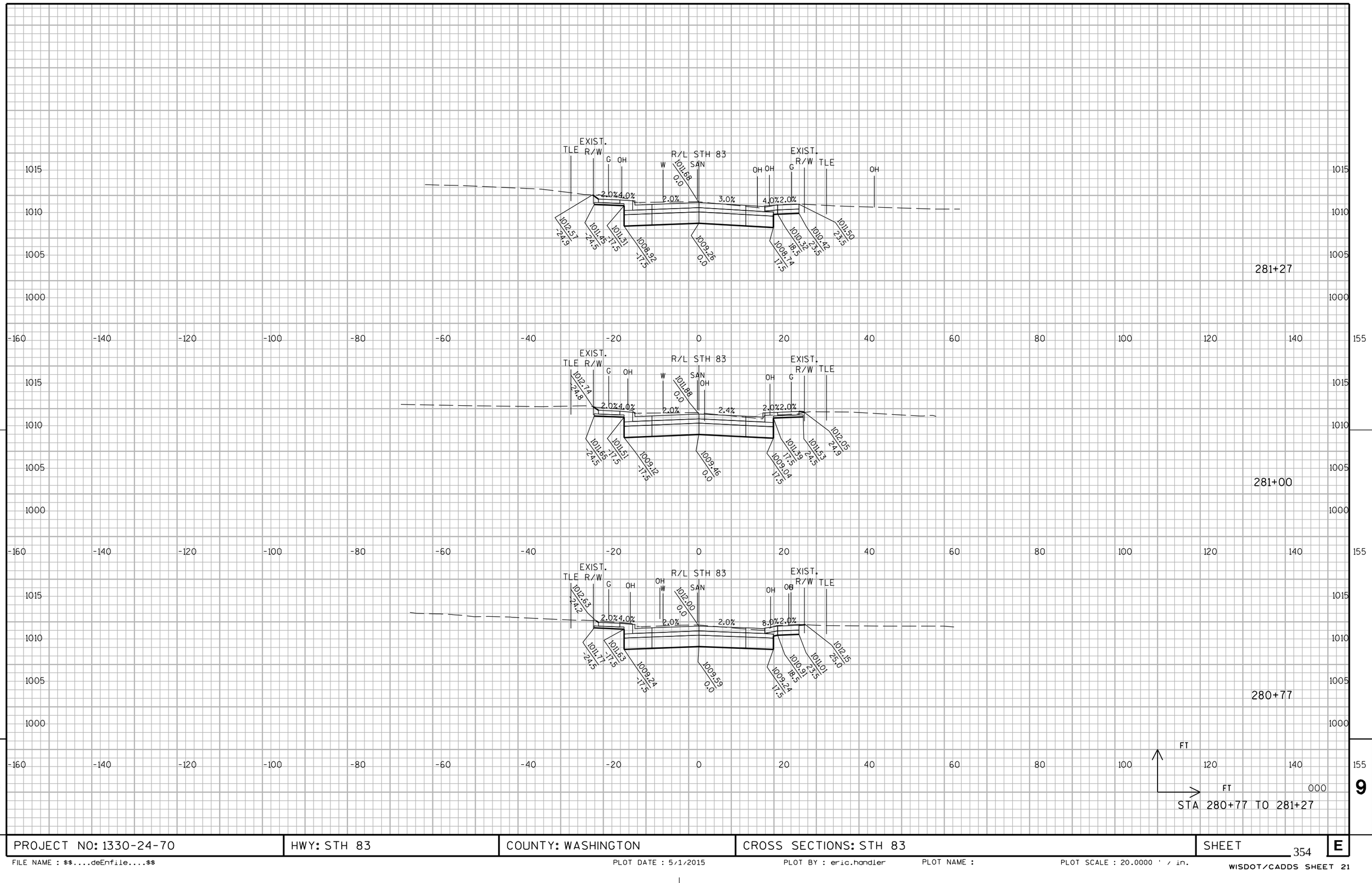
WISDOT/CADDS SHEET 21



PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: STH 83	SHEET 353	E

FILE NAME : $$....deEnfile....$$ PLOT DATE : 5/1/2015 PLOT BY : eric.handler PLOT NAME : PLOT SCALE : 20.0000 ' / in.

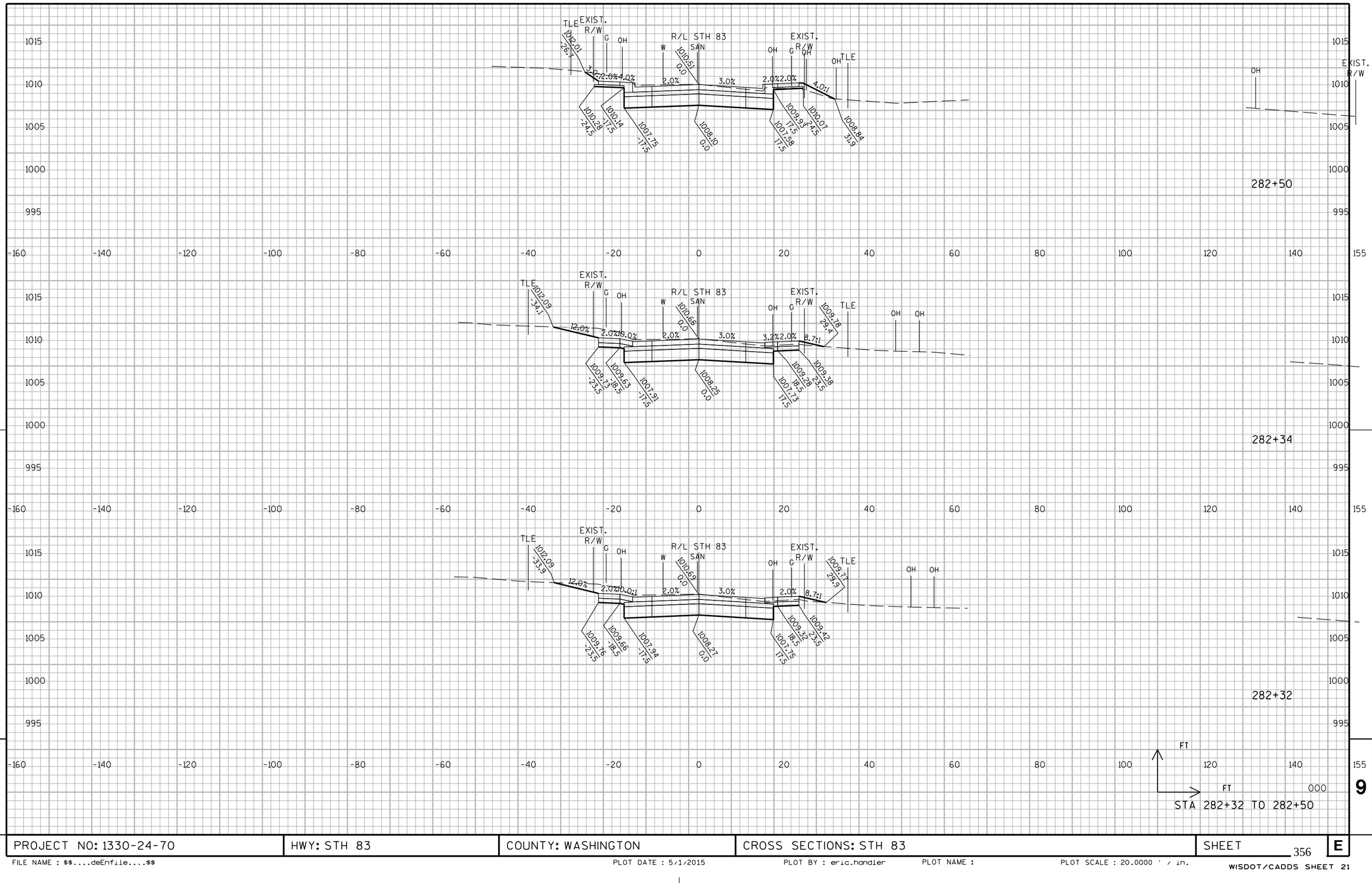
WISDOT/CADDS SHEET 21



PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: STH 83	SHEET 354	E

9

PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: STH 83	SHEET 355	E



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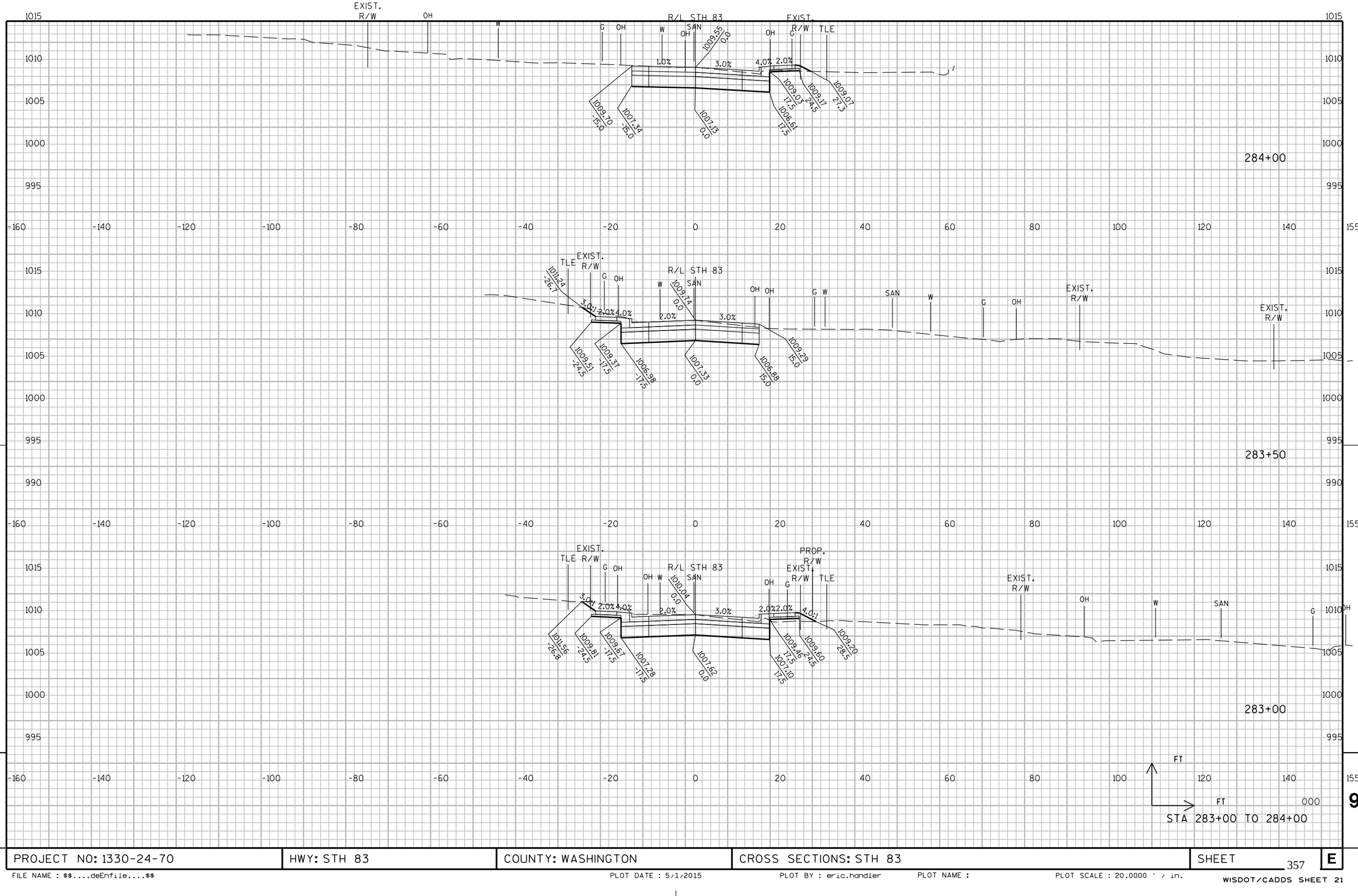
PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: STH 83	SHEET 356	E

FILE NAME : $$....deEnfile....$$ PLOT DATE : 5/1/2015 PLOT BY : eric.handler PLOT NAME : PLOT SCALE : 20.0000 ' / in.

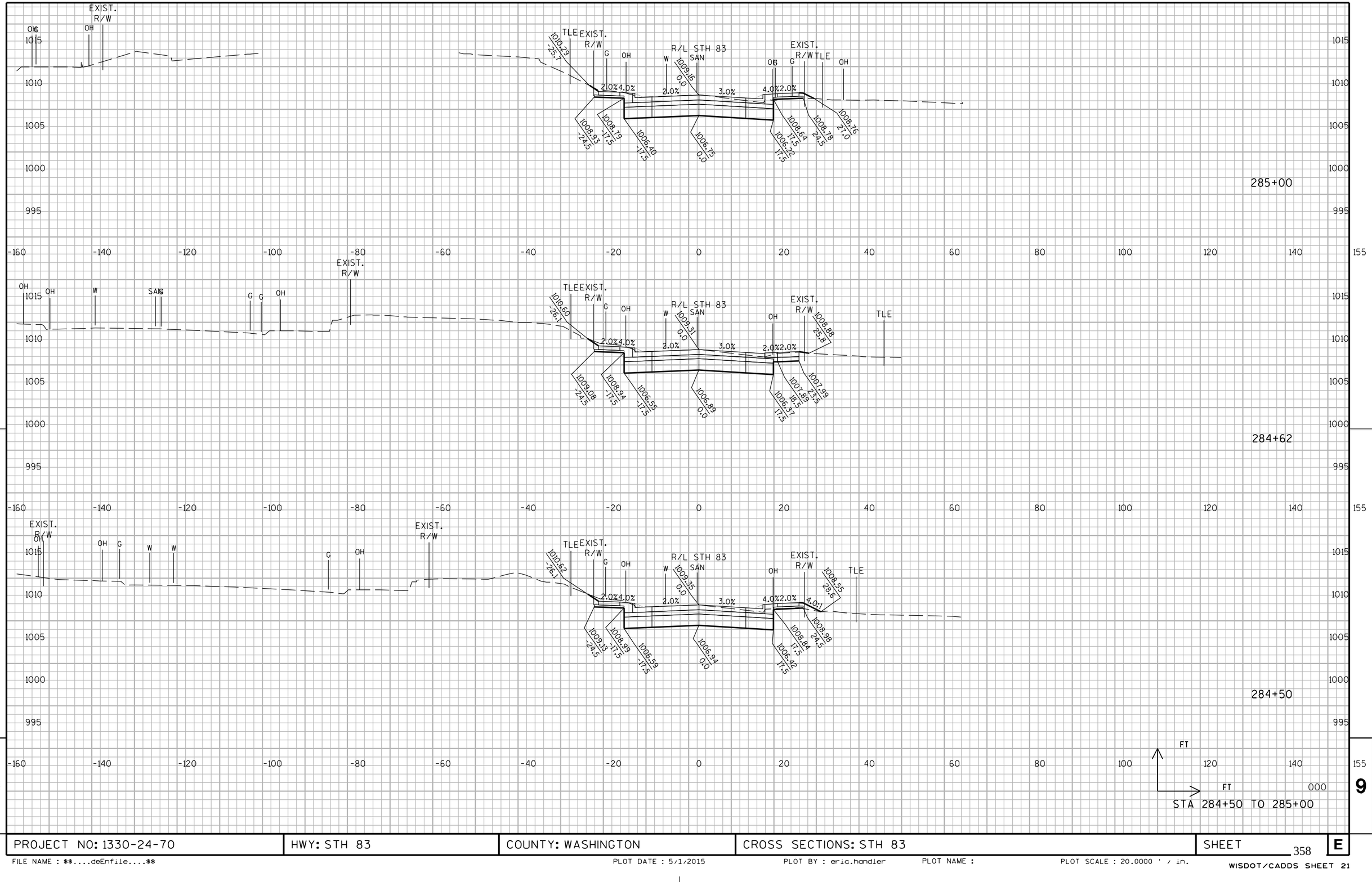
WISDOT/CADDS SHEET 21



PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: STH 83	SHEET 357	E

FILE NAME : $$....deEnfile....$$ PLOT DATE : 5/1/2015 PLOT BY : eric.handler PLOT NAME : PLOT SCALE : 20.0000 ' / in.

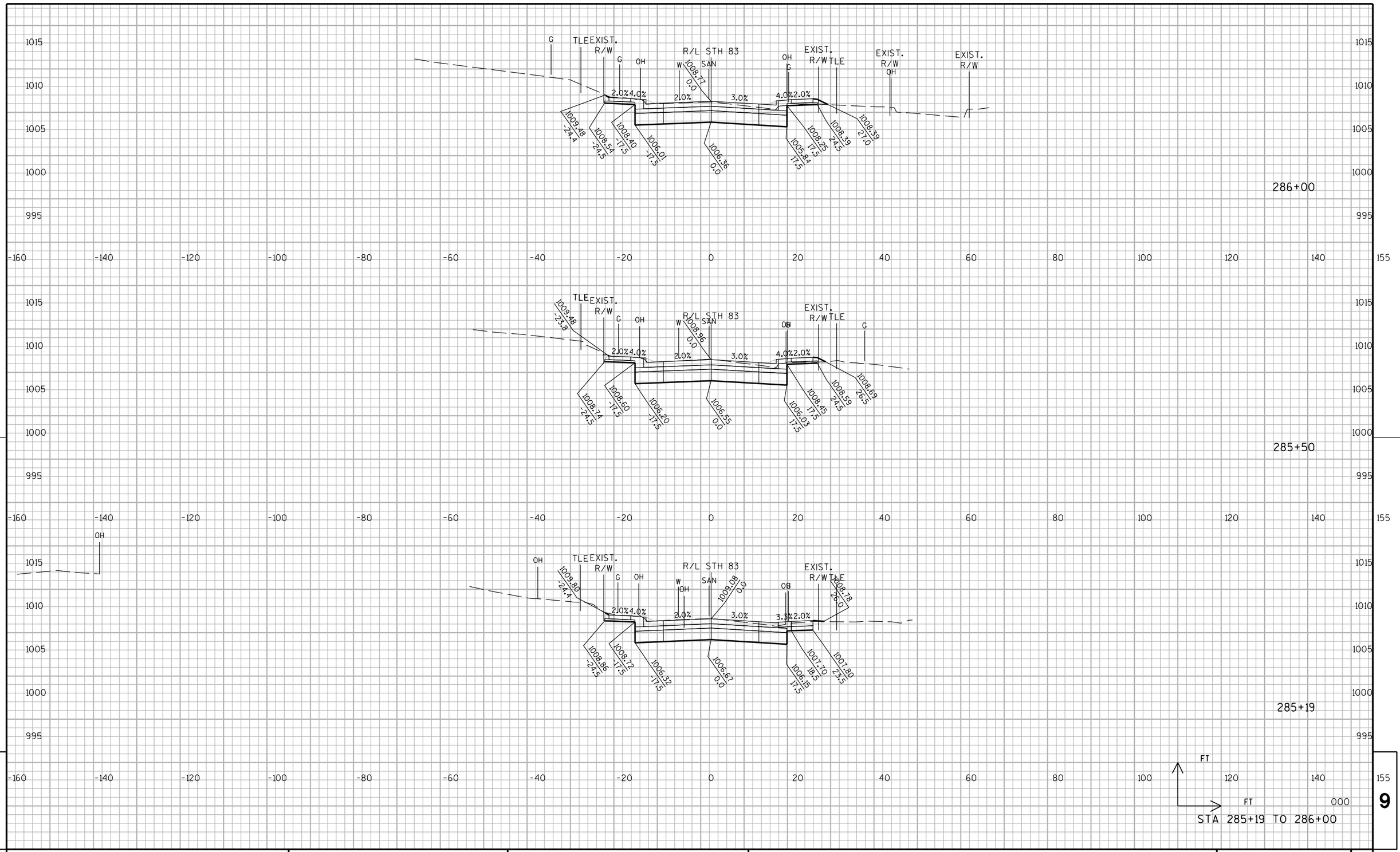
WISDOT/CADDS SHEET 21



PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: STH 83	SHEET 358	E

FILE NAME : $$....deEnfile....$$ PLOT DATE : 5/1/2015 PLOT BY : eric.handler PLOT NAME : PLOT SCALE : 20.0000 ' / in.

WISDOT/CADDS SHEET 21



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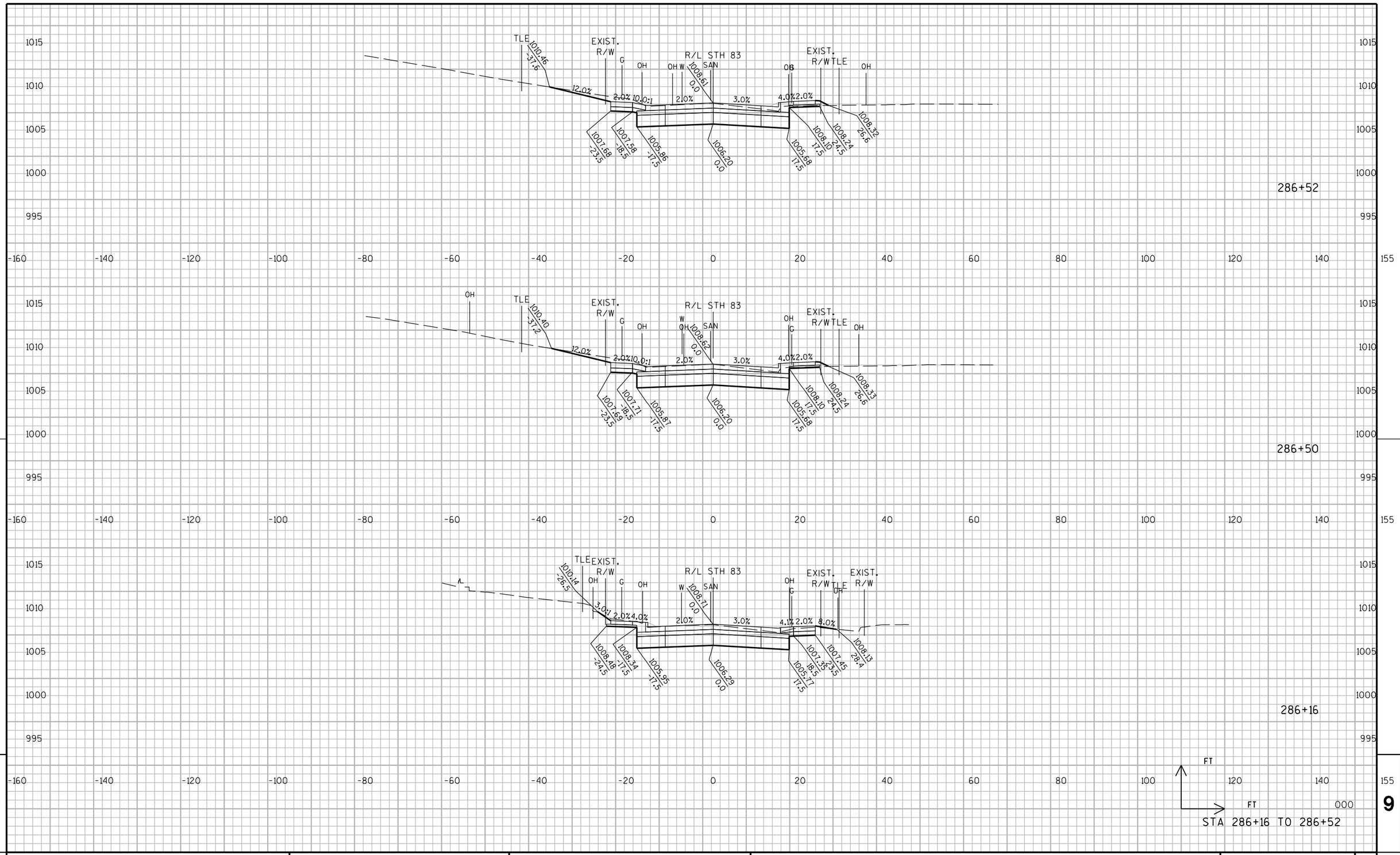
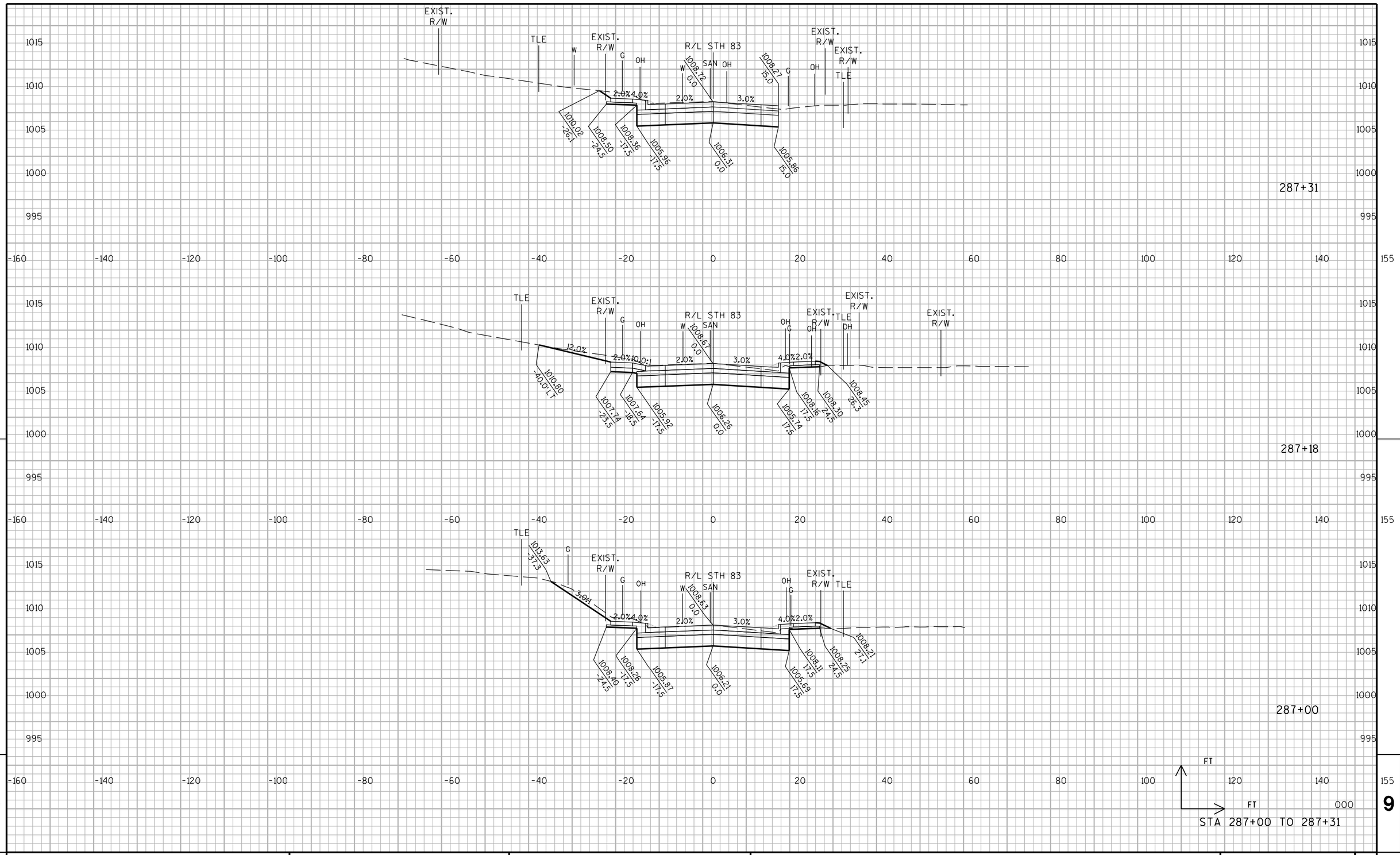
PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: STH 83	SHEET 359	E



PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: STH 83	SHEET 360	E

FILE NAME : $$....deEnfile....$$ PLOT DATE : 5/1/2015 PLOT BY : eric.handler PLOT NAME : PLOT SCALE : 20.0000 ' / in.

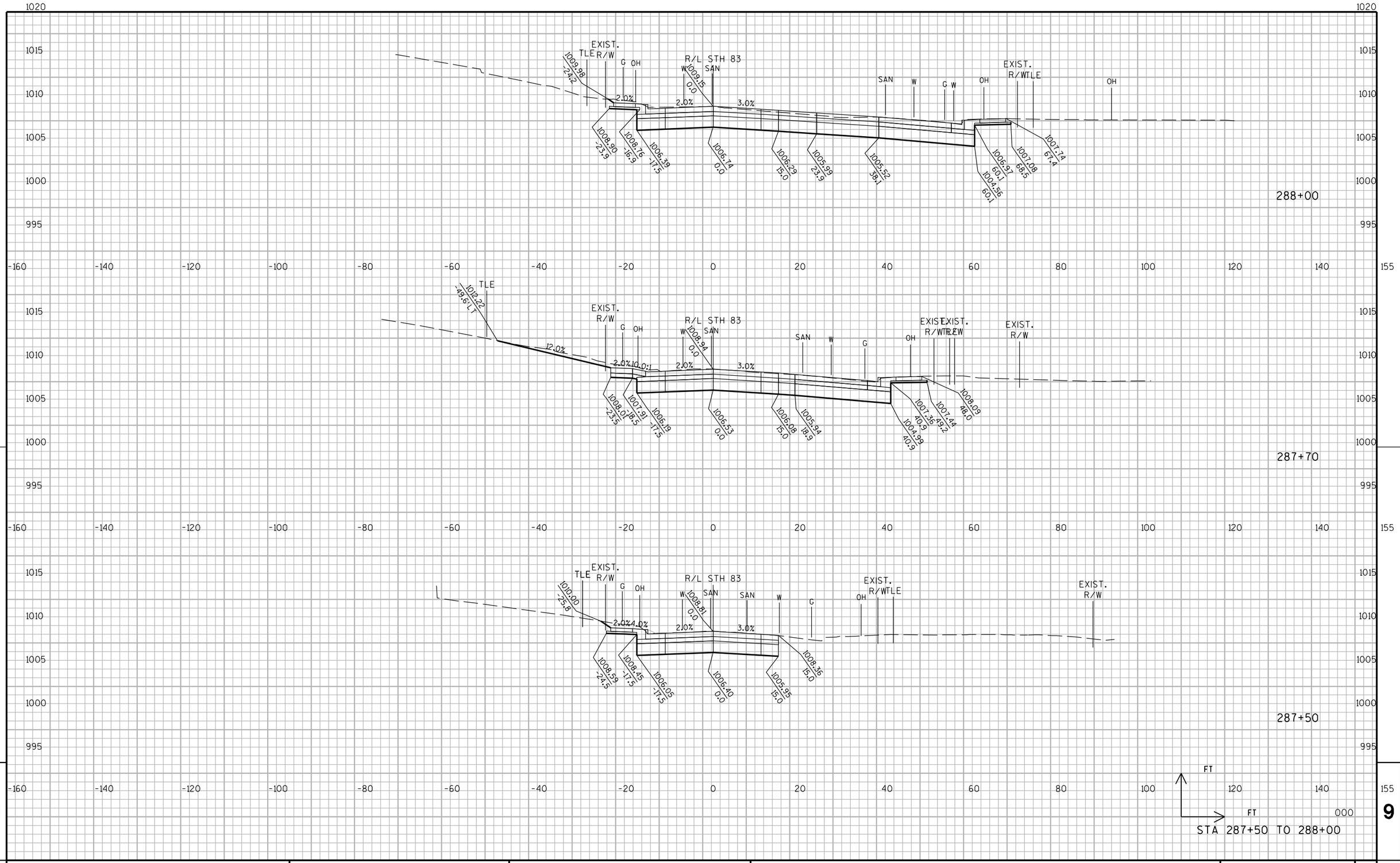
WISDOT/CADDS SHEET 21



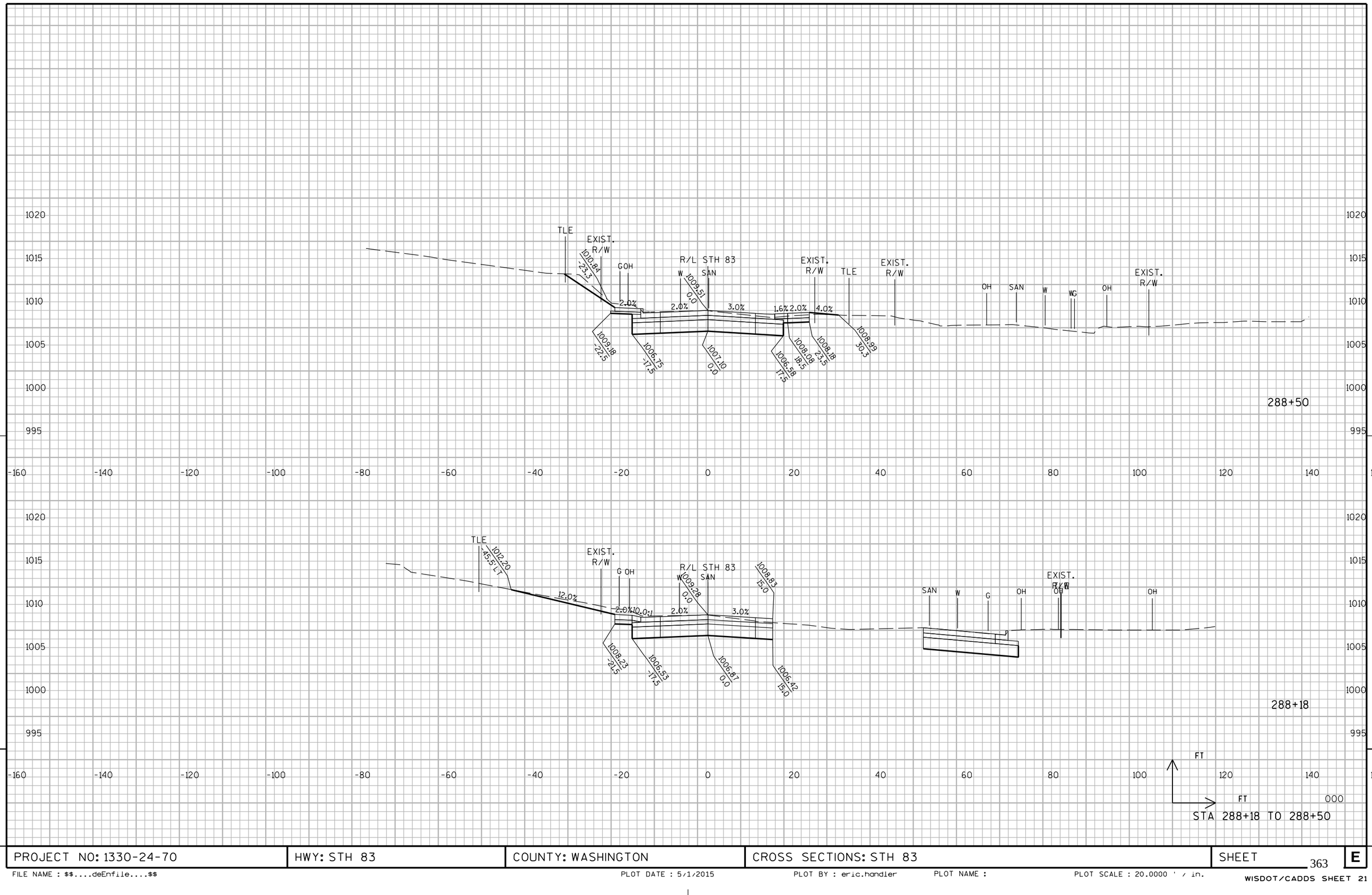
PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: STH 83	SHEET 361	E

FILE NAME : $$....deEnfile....$$ PLOT DATE : 5/1/2015 PLOT BY : eric.handler PLOT NAME : PLOT SCALE : 20.0000 ' / in.

WISDOT/CADDS SHEET 21



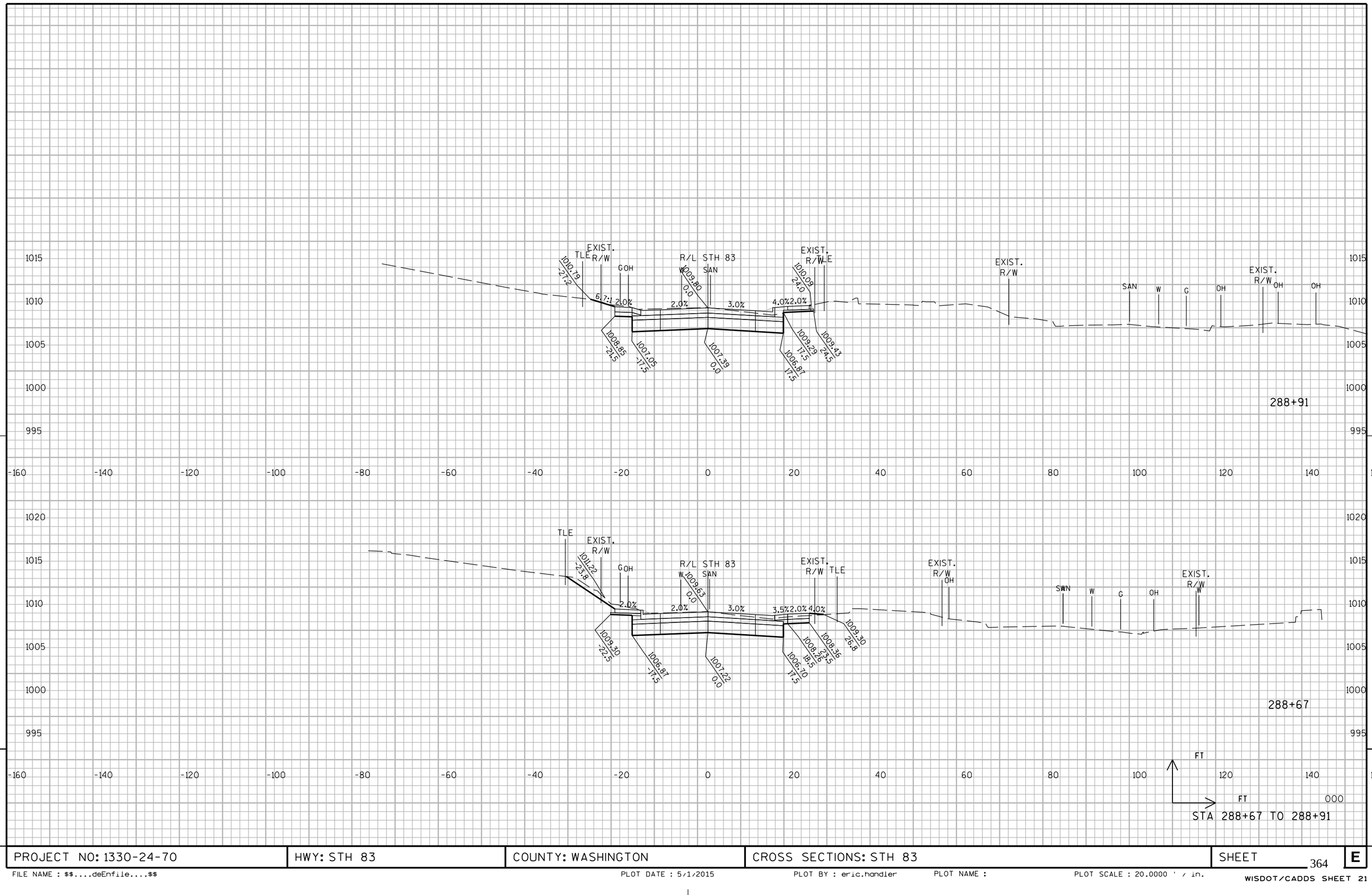
PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: STH 83	SHEET 362	E



PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: STH 83	SHEET 363	E

FILE NAME : $$....deEnfile....$$ PLOT DATE : 5/1/2015 PLOT BY : eric.handler PLOT NAME : PLOT SCALE : 20.0000 ' / in.

WISDOT/CADDS SHEET 21



9

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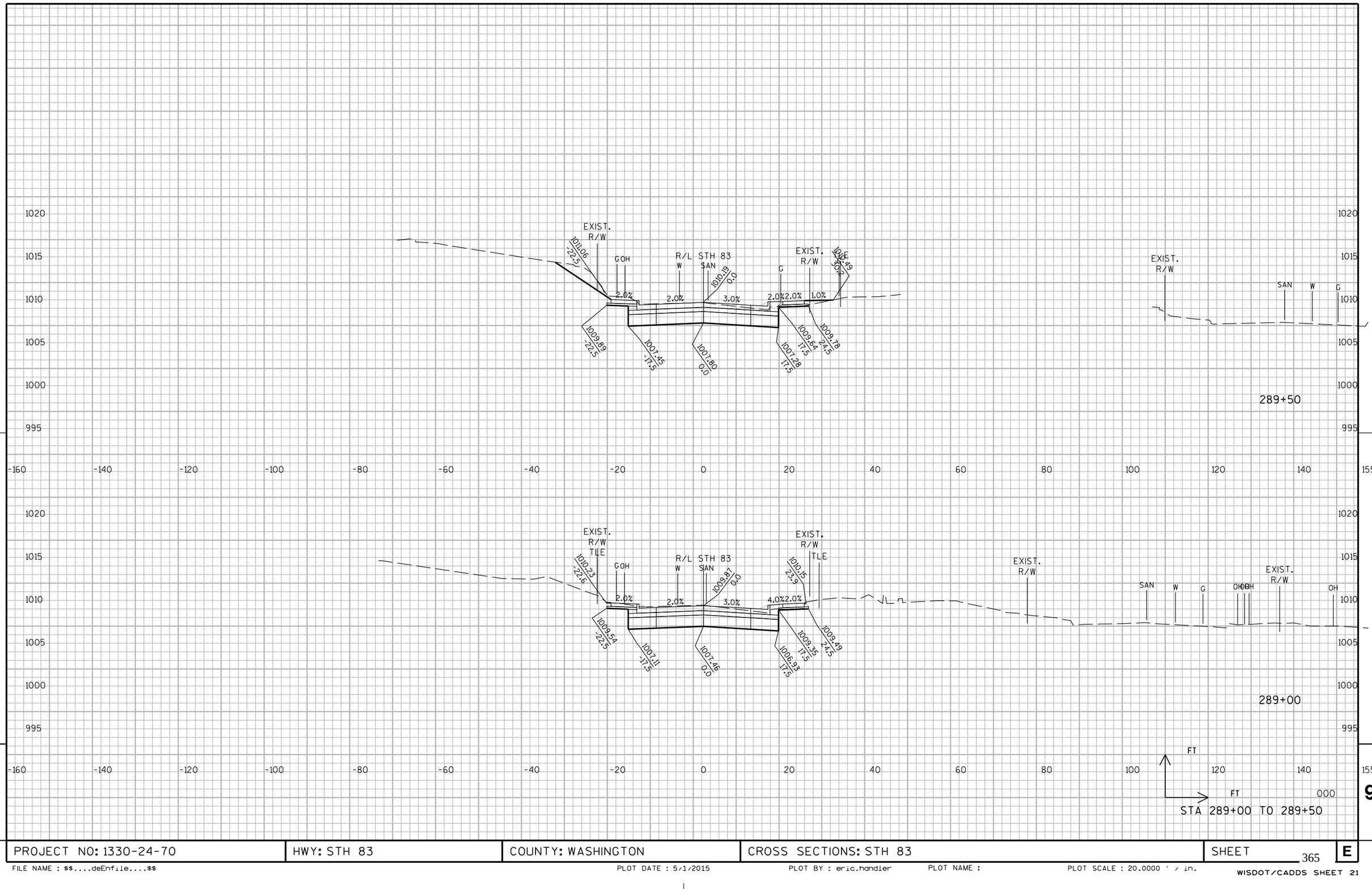
PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: STH 83	SHEET 364	E

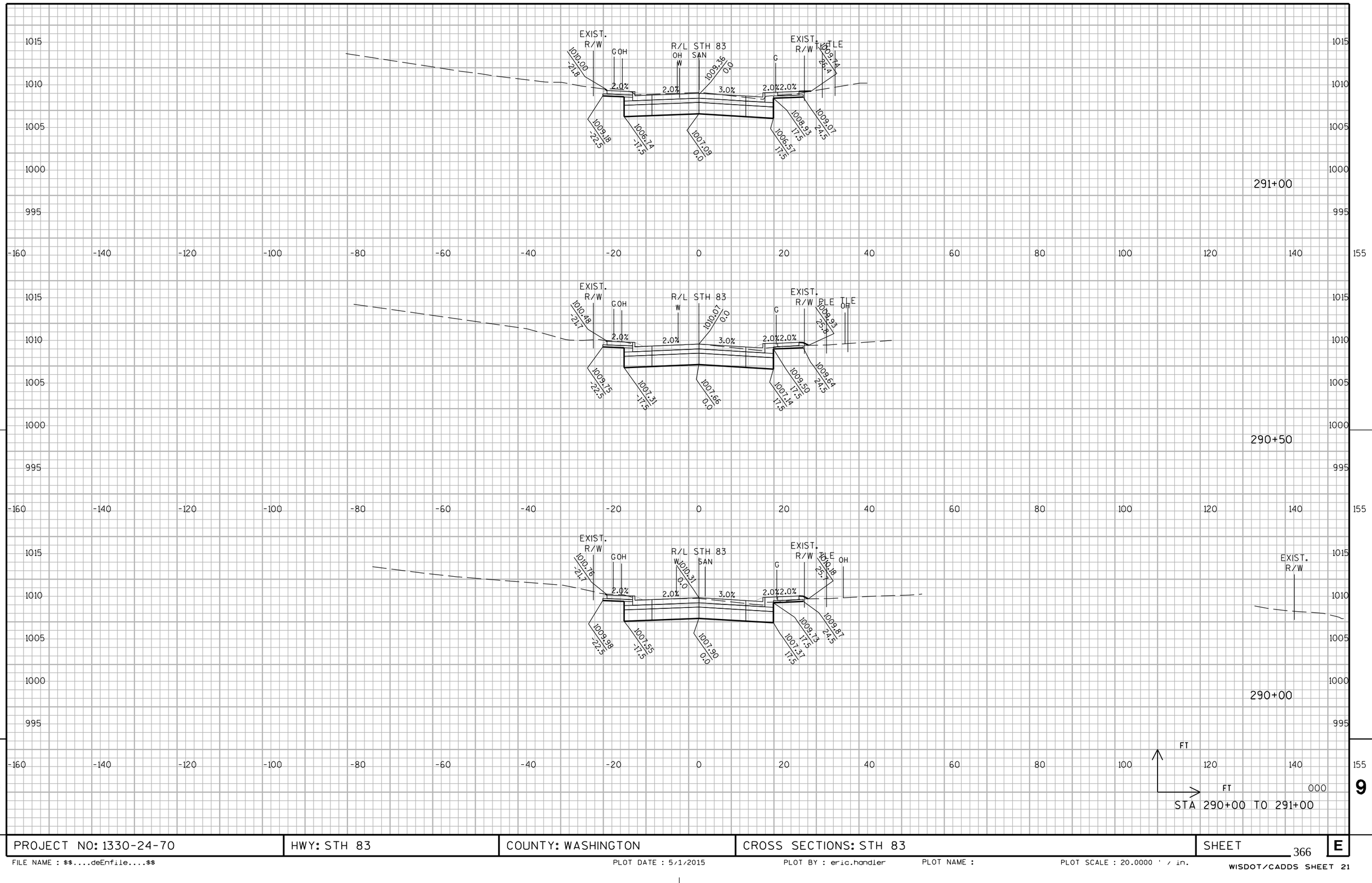


9

PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: STH 83	SHEET 365	E

FILE NAME : $$....deEnfile....$$ PLOT DATE : 5/1/2015 PLOT BY : eric.handler PLOT NAME : PLOT SCALE : 20.0000 ' / in.

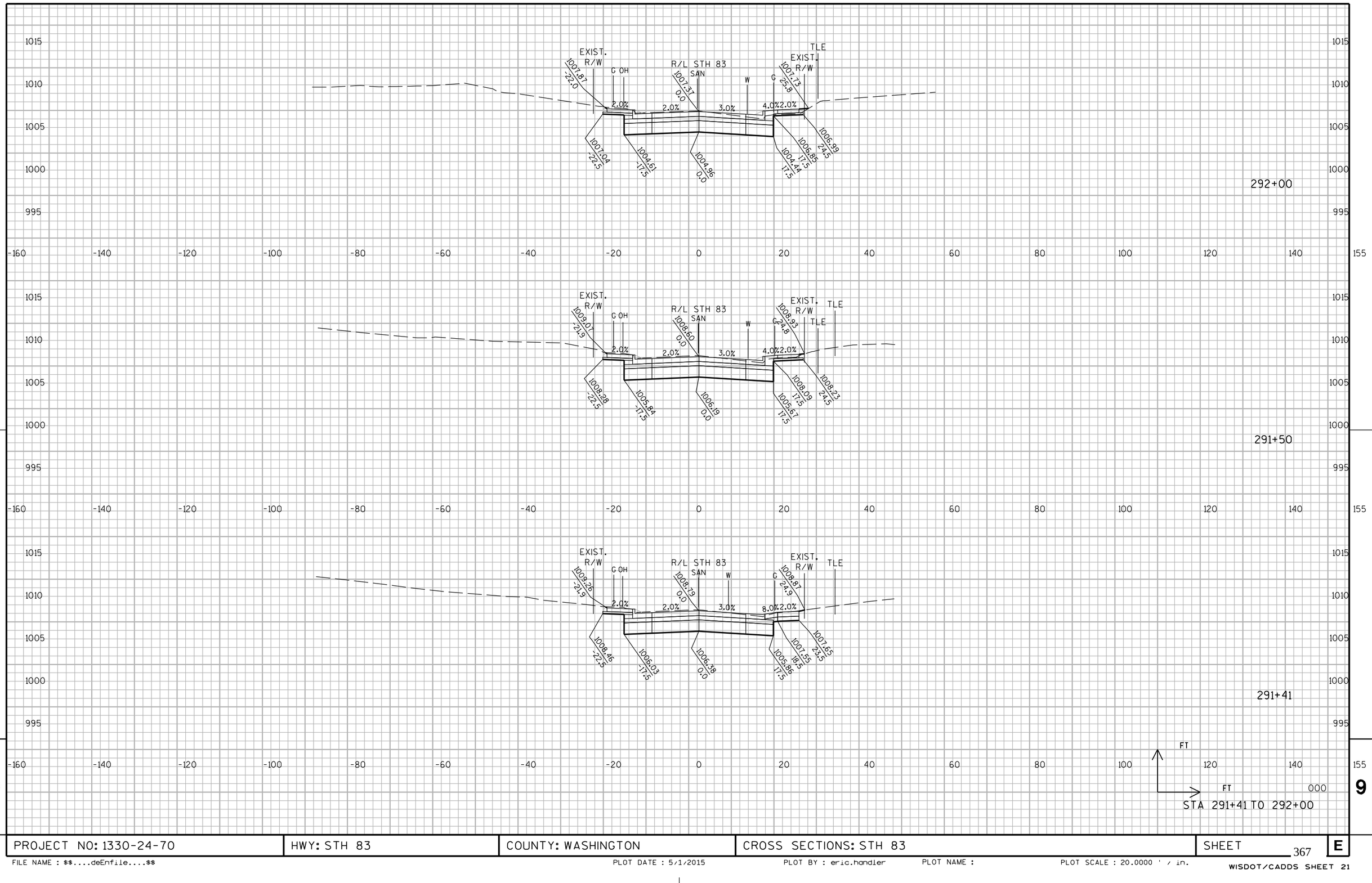
WISDOT/CADDS SHEET 21



PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: STH 83	SHEET 366	E

FILE NAME : $$....deEnfile....$$ PLOT DATE : 5/1/2015 PLOT BY : eric.handler PLOT NAME : PLOT SCALE : 20.0000 ' / in.

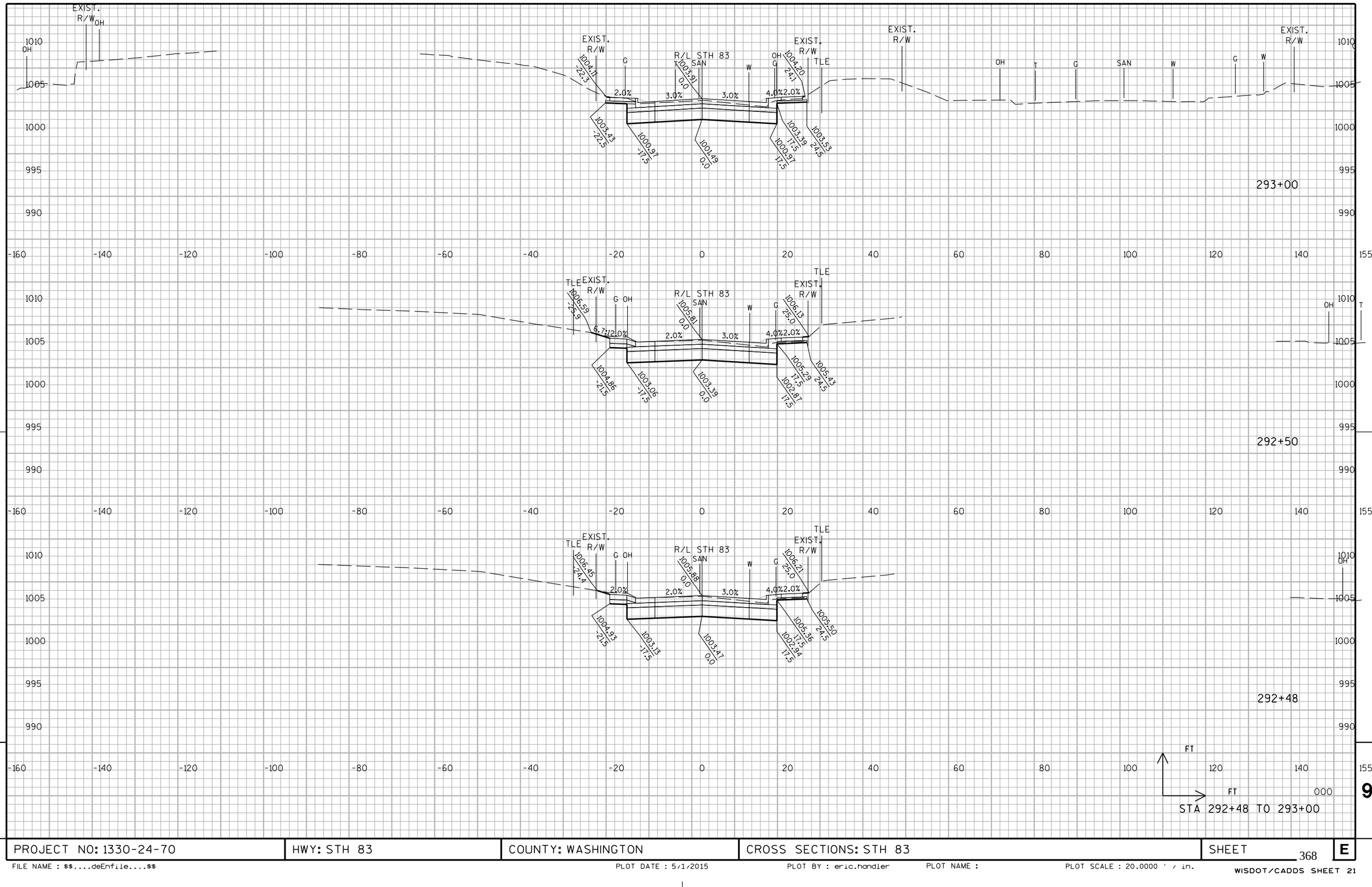
WISDOT/CADDS SHEET 21



PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: STH 83	SHEET 367	E

FILE NAME : $$....deEnfile....$$ PLOT DATE : 5/1/2015 PLOT BY : eric.handler PLOT NAME : PLOT SCALE : 20.0000 ' / in.

WISDOT/CADDS SHEET 21



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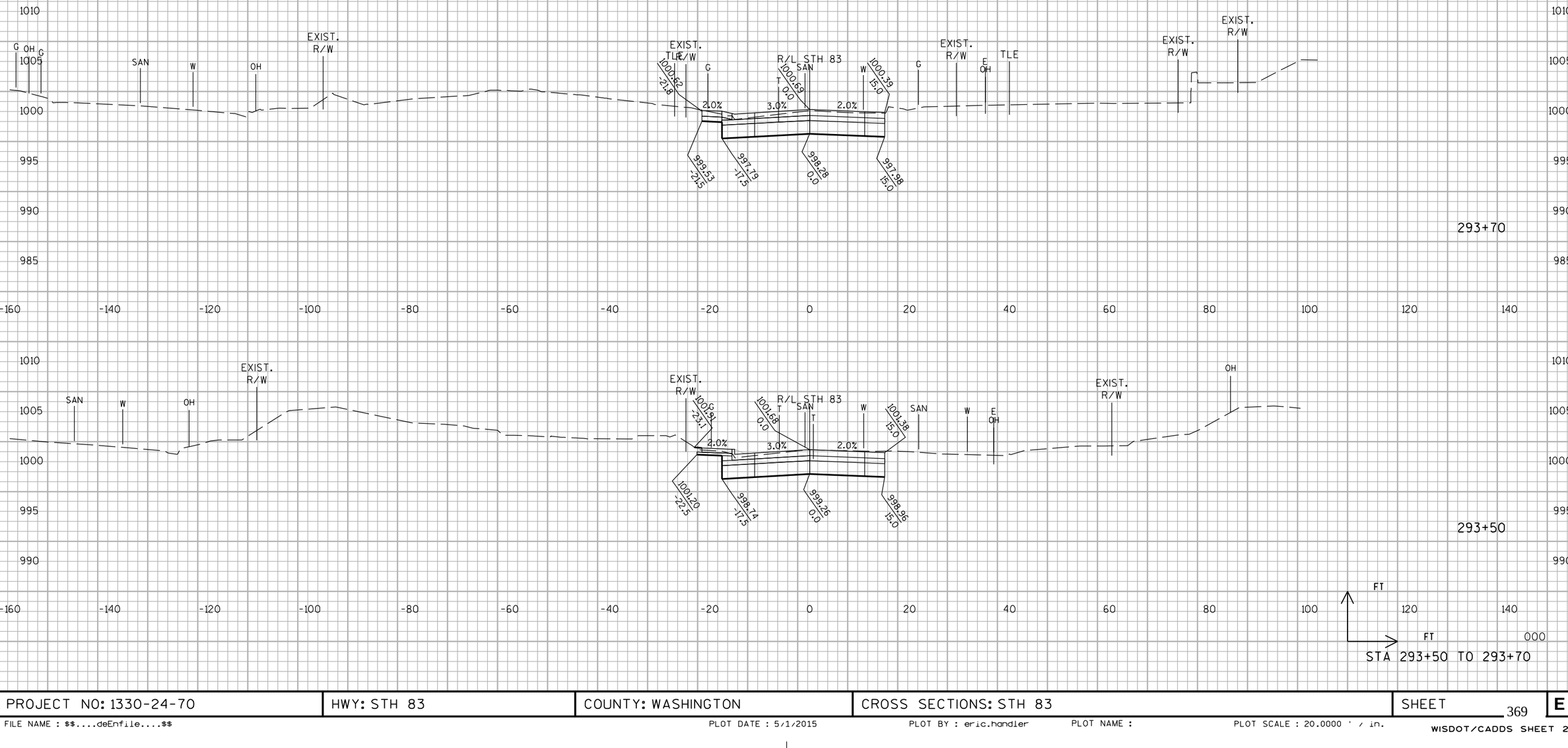
PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: STH 83	SHEET 368	E



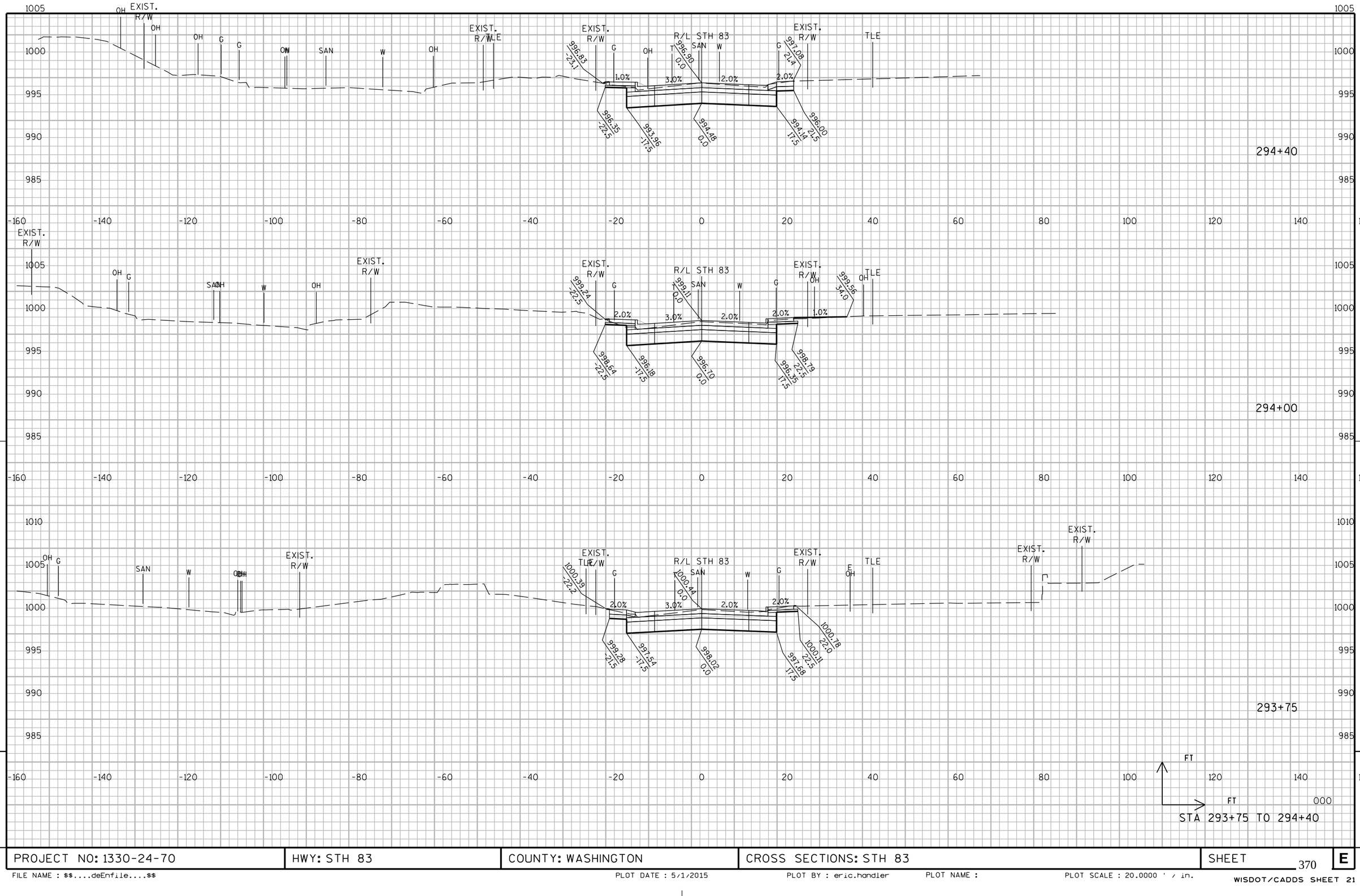
9

9

PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: STH 83	SHEET 369	E

FILE NAME : $$....deEnfile....$$ PLOT DATE : 5/1/2015 PLOT BY : eric.handler PLOT NAME : PLOT SCALE : 20.0000 ' / in.

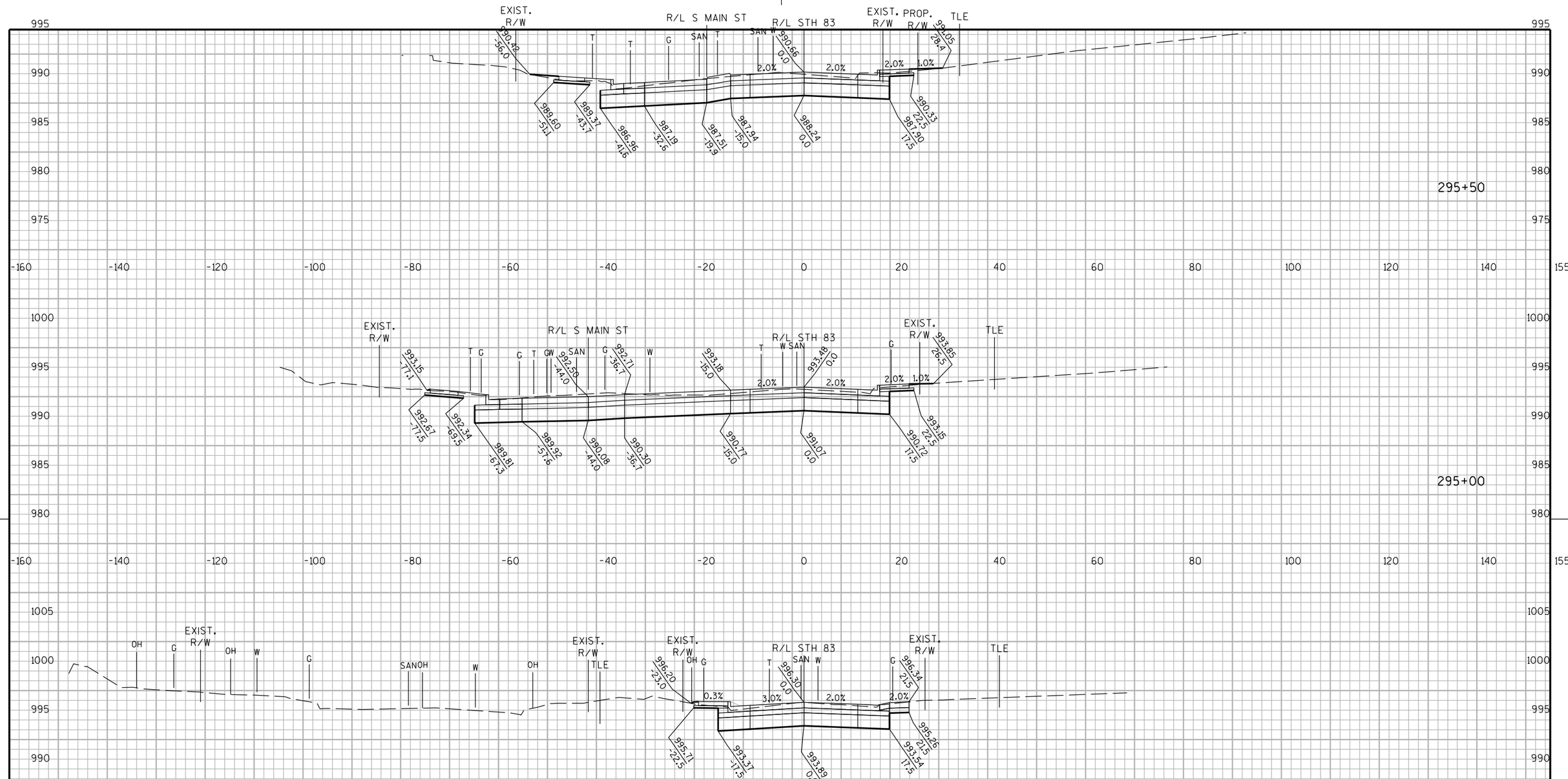
WISDOT/CADDS SHEET 21



PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: STH 83	SHEET 370	E

FILE NAME : $$....deEnfile....$$ PLOT DATE : 5/1/2015 PLOT BY : eric.handler PLOT NAME : PLOT SCALE : 20.0000 ' / in.

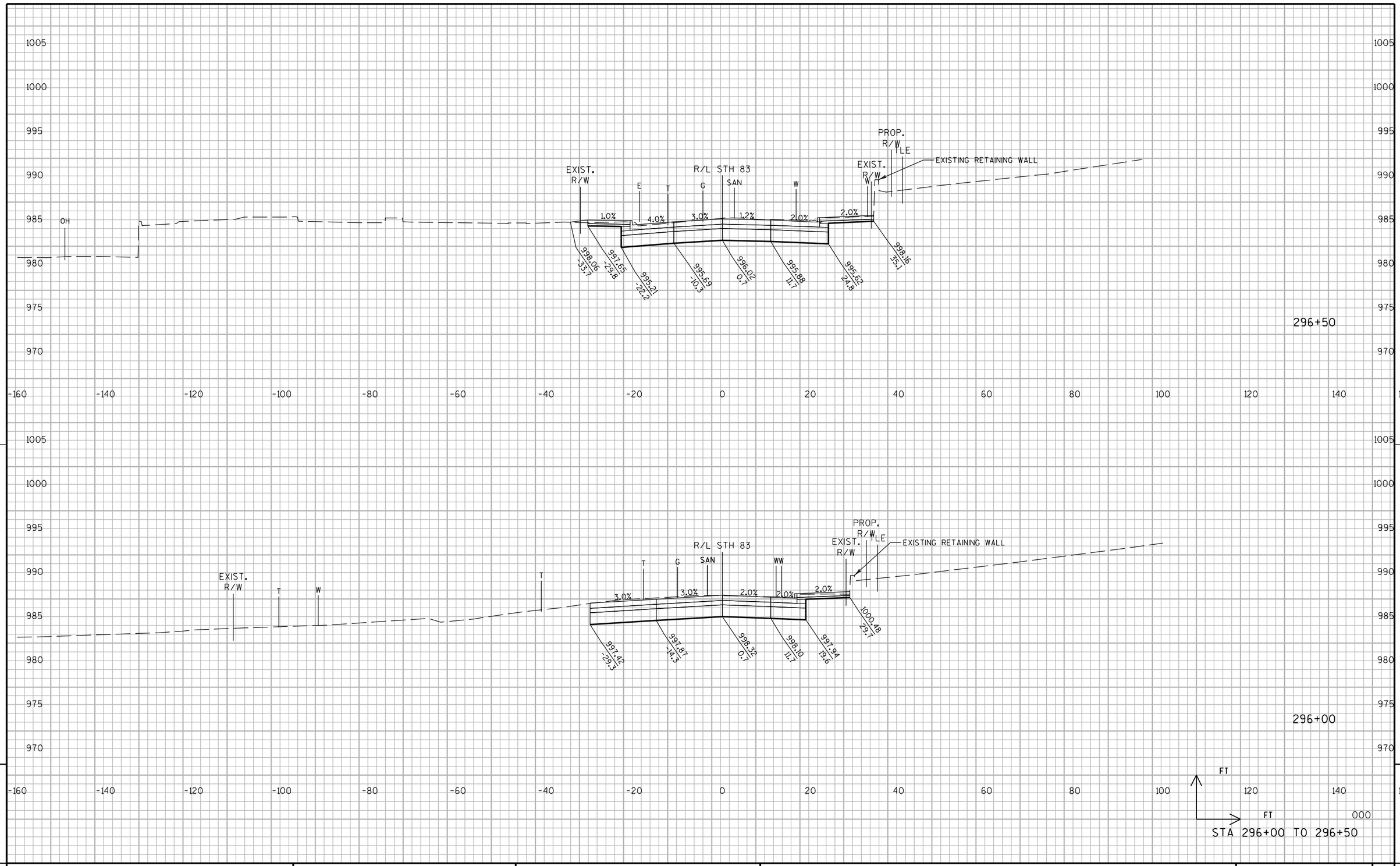
WISDOT/CADDS SHEET 21



PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: STH 83	SHEET 371	E

FILE NAME : $$....deEnfile....$$ PLOT DATE : 5/1/2015 PLOT BY : eric.handler PLOT NAME : PLOT SCALE : 20.0000 ' / in.

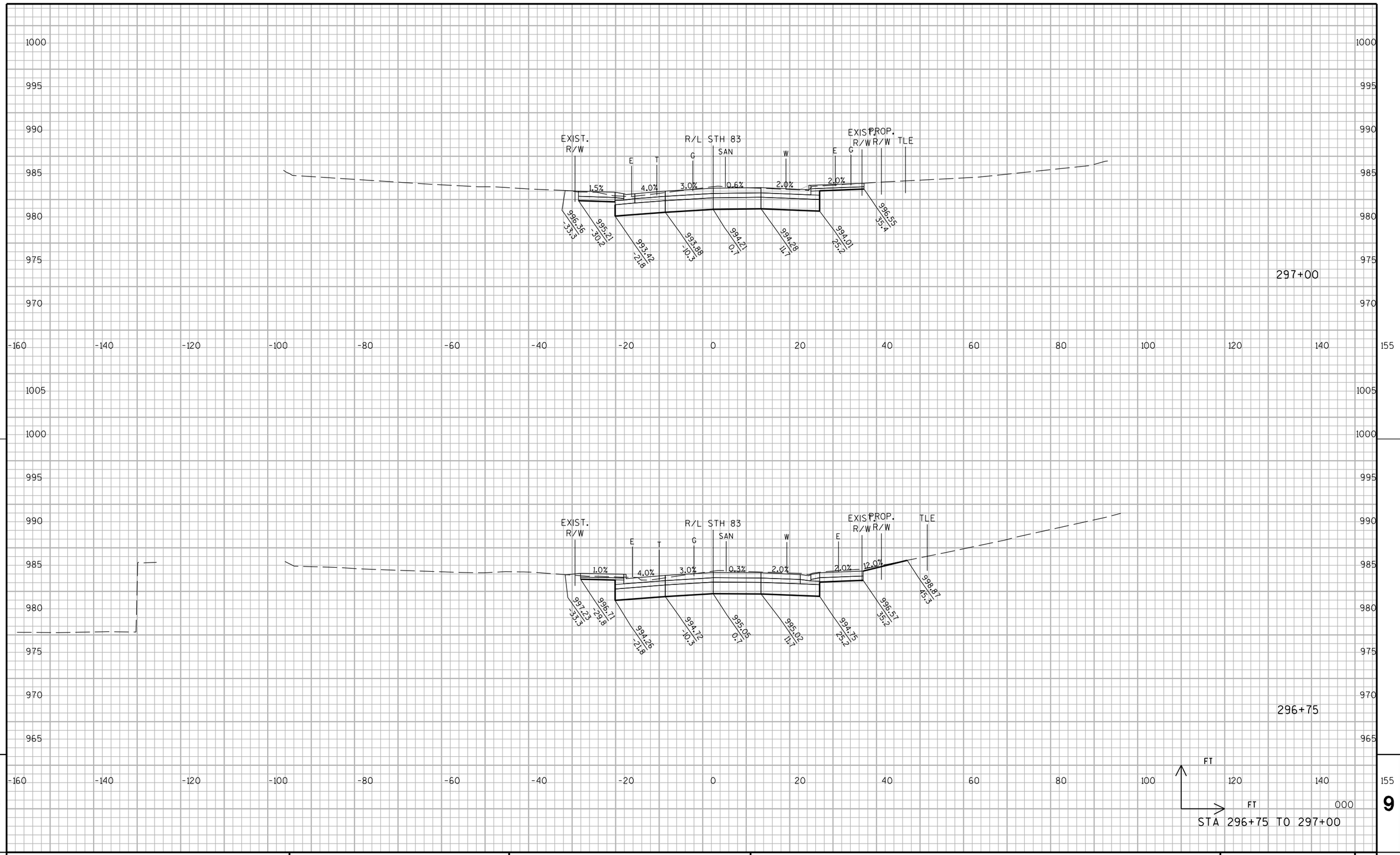
WISDOT/CADDS SHEET 21



PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: STH 83	SHEET 372	E

FILE NAME : $$....deEnfile....$$ PLOT DATE : 5/1/2015 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : 20.0000 ' / in.

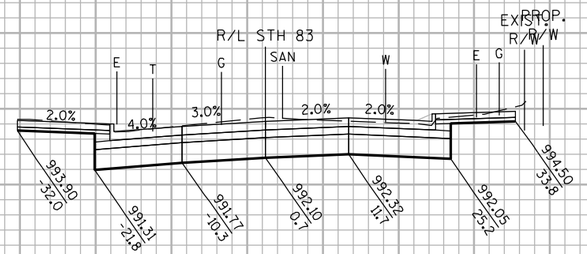
WISDOT/CADDS SHEET 21



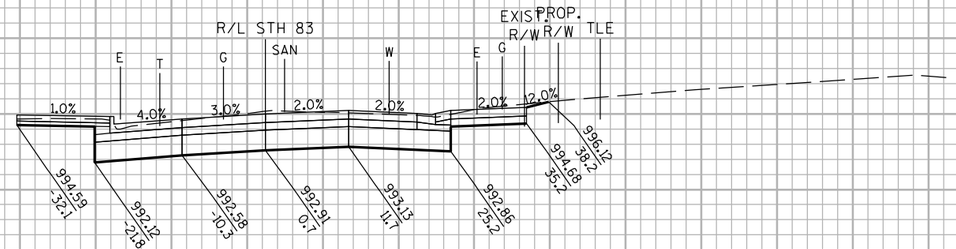
PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: STH 83	SHEET 373	E

FILE NAME : $$....deEnfile....$$ PLOT DATE : 5/1/2015 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : 20.0000 ' / in.

WISDOT/CADDS SHEET 21



298+00



297+50

FT

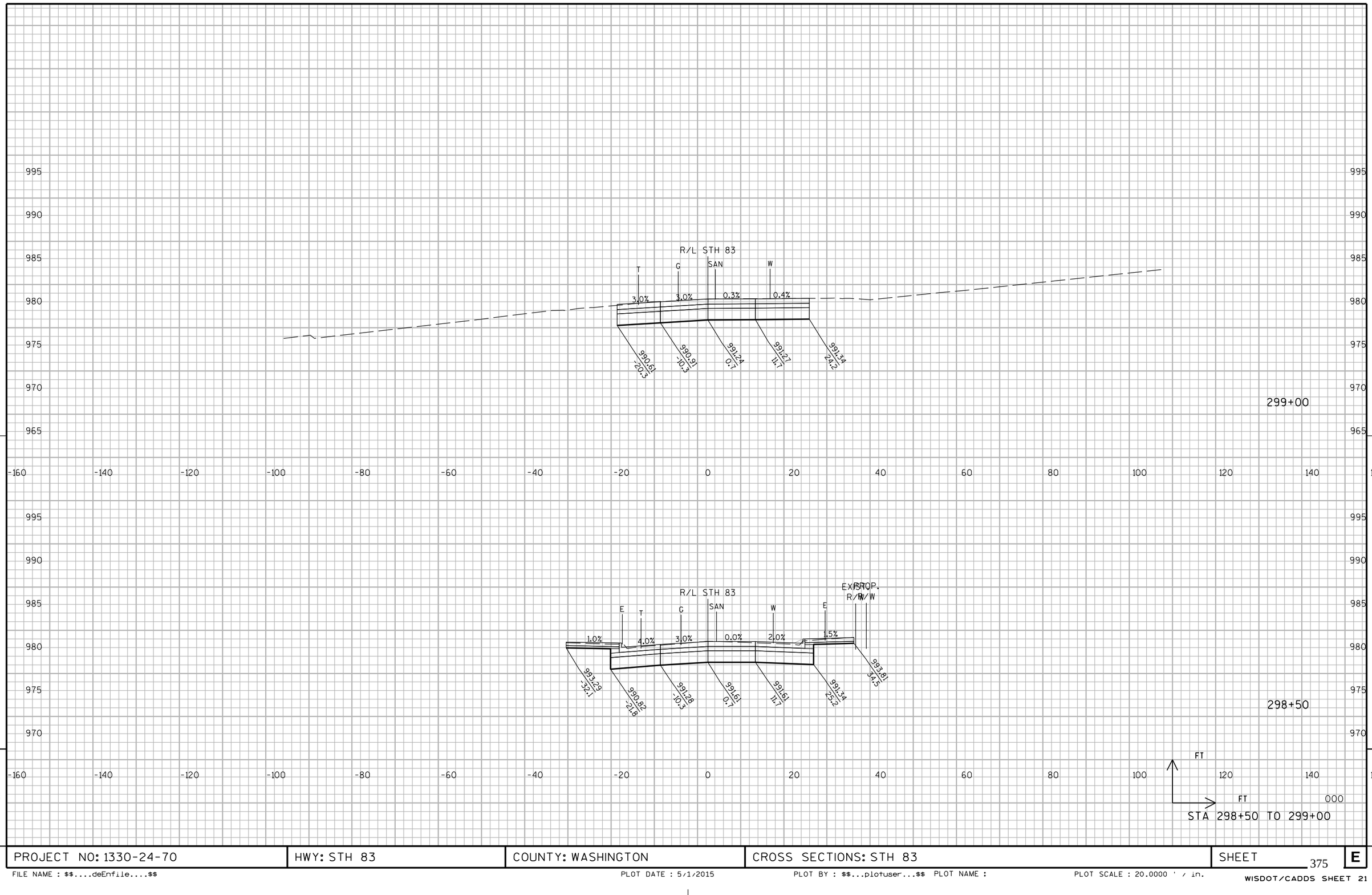
FT 000

STA 297+50 TO 298+00

9

9

PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: STH 83	SHEET 374	E



PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: STH 83	SHEET 375	E

FILE NAME : $$....deEnfile....$$ PLOT DATE : 5/1/2015 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : 20.0000 ' / in.

WISDOT/CADDS SHEET 21

995
990
985
980
975
970
965

R/L STH 83

T
G
SAN
W
W
W

3.0%
3.0%
0.4%
0.4%

990.63
-20.3

990.93
-10.3

991.26
0.7

991.30
11.7

991.35
22.2

299+02

-160 -140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140 155

FT

FT 000

STA 299+02 TO 299+02

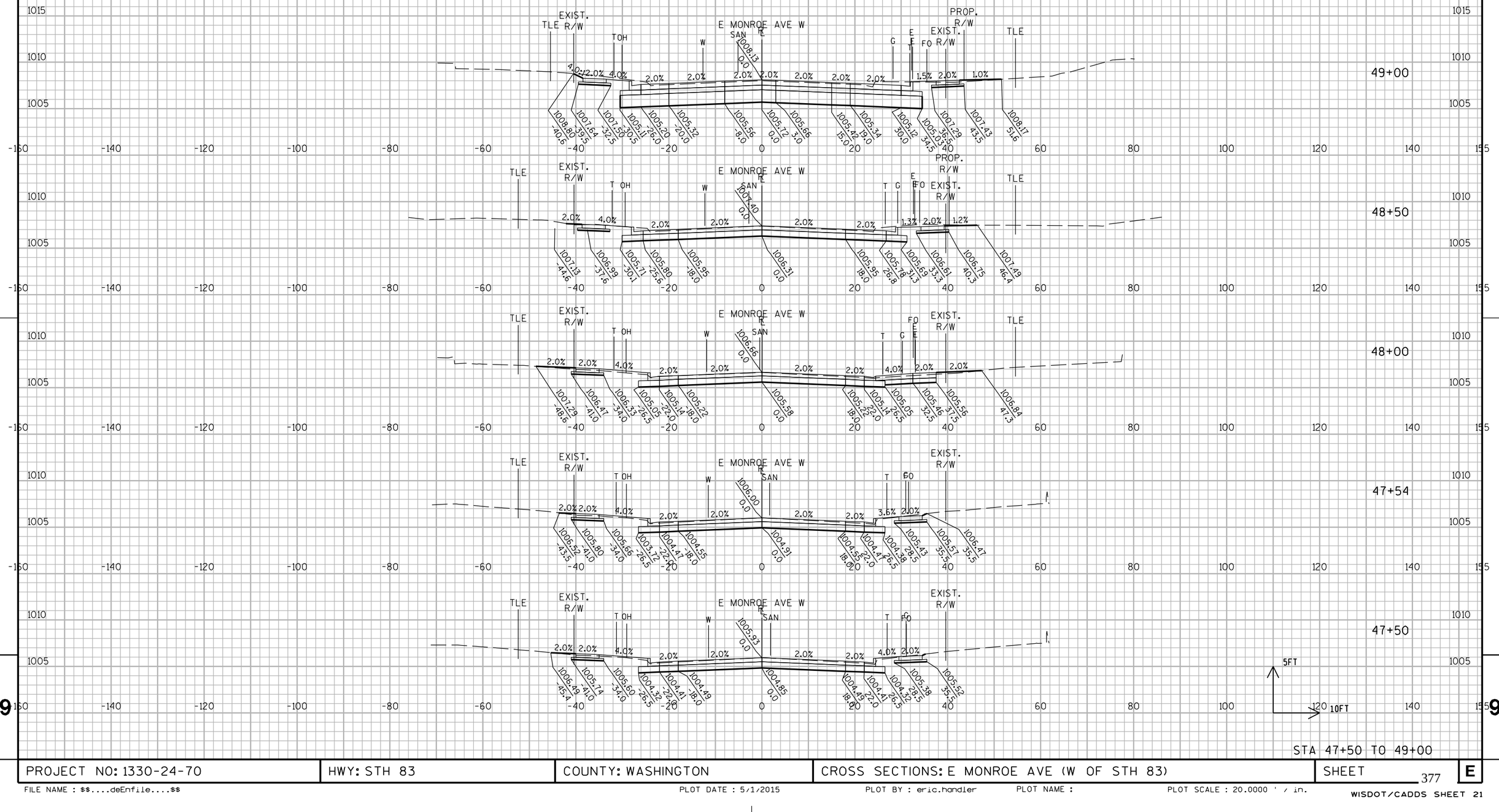
9

9

PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: STH 83	SHEET 376	E

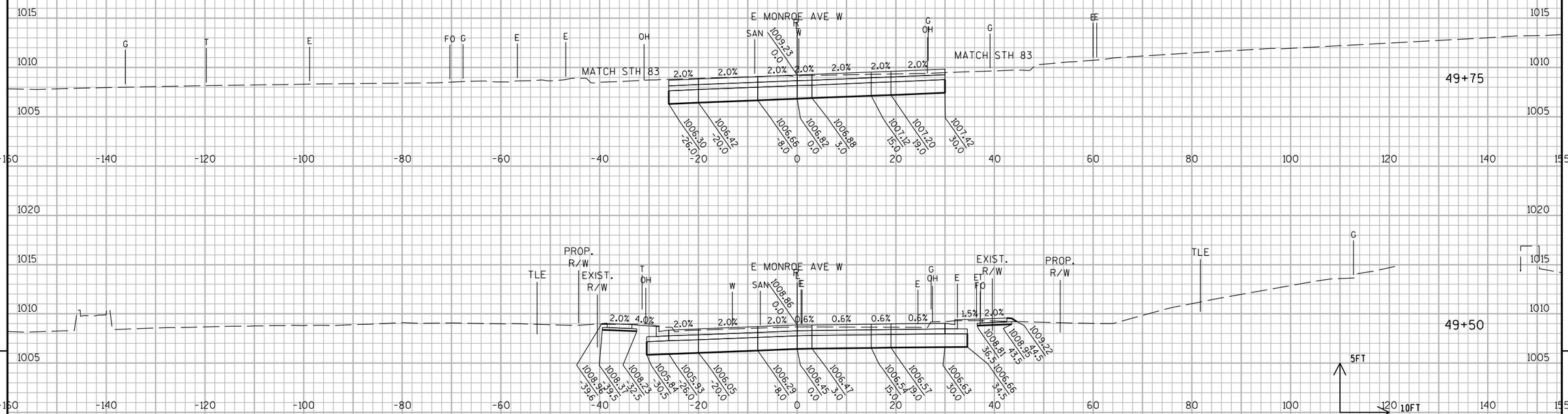
FILE NAME : $$....deEnfile....$$ PLOT DATE : 5/1/2015 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : 20.0000 ' / in.

WISDOT/CADDS SHEET 21



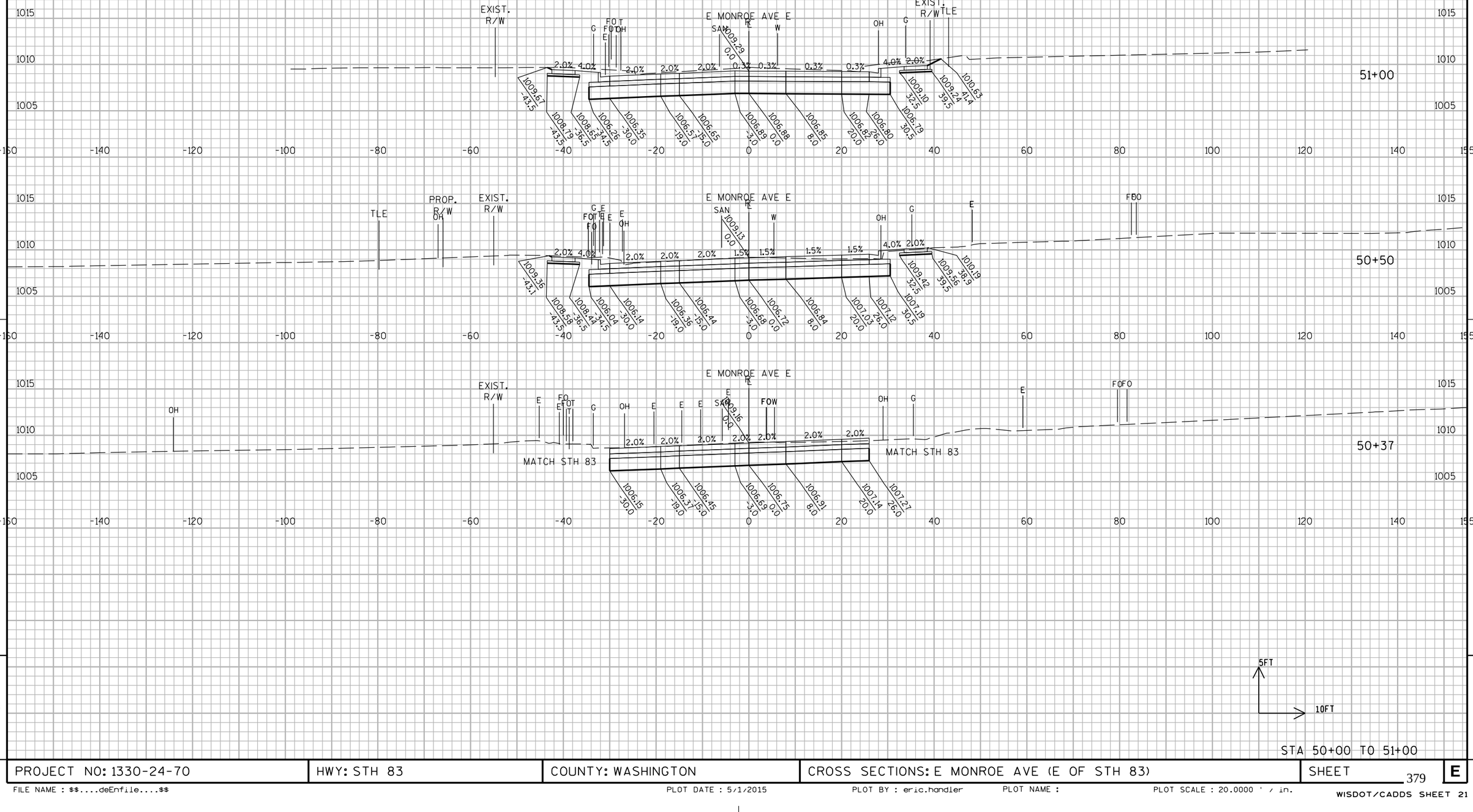
STA 47+50 TO 49+00

PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: E MONROE AVE (W OF STH 83)	SHEET 377	E



STA 49+50 TO 50+00

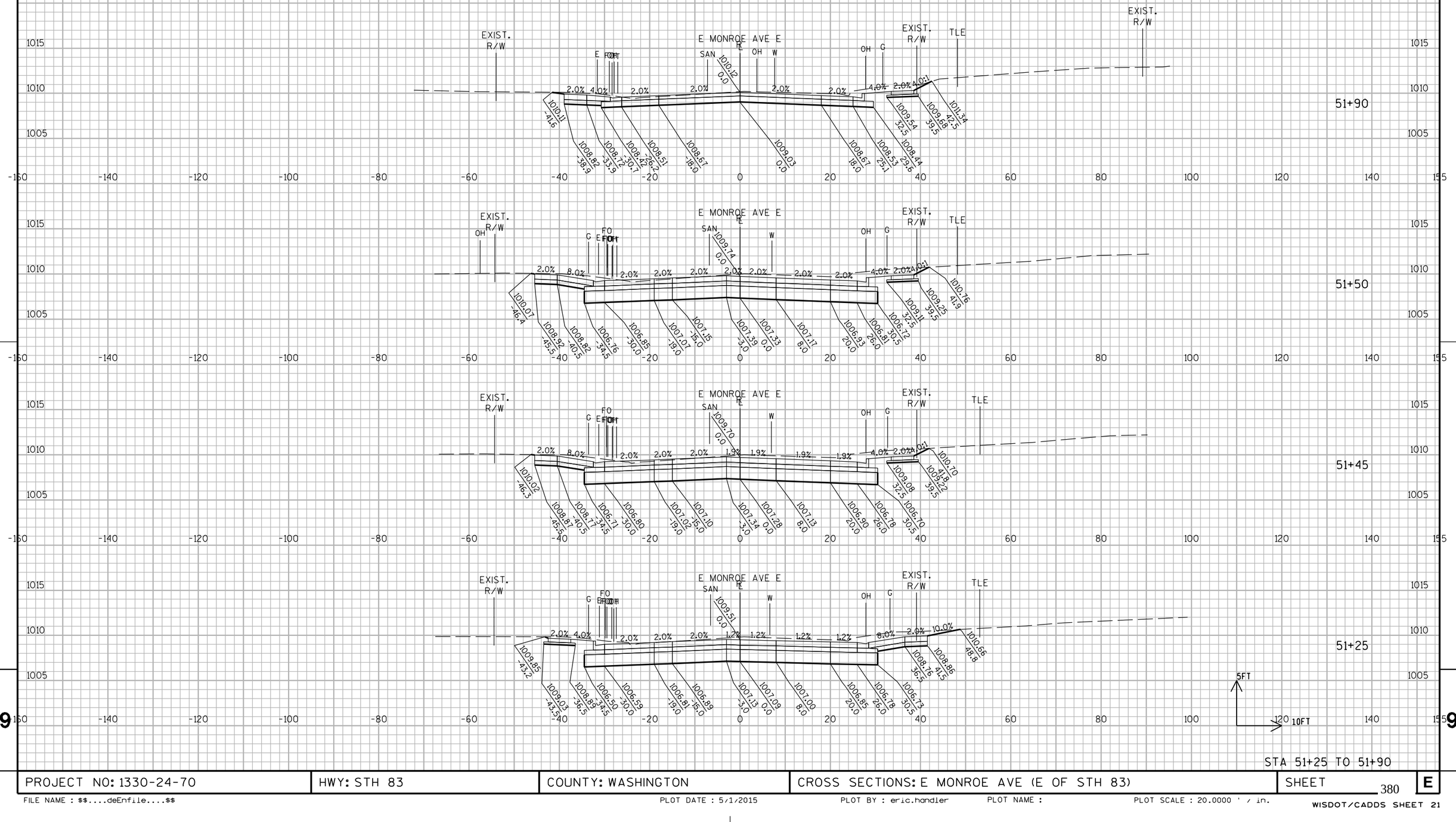
PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: E MONROE AVE (W OF STH 83)	SHEET 378	E



PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: E MONROE AVE (E OF STH 83)	SHEET 379	E

FILE NAME : $$....deEnfile....$$ PLOT DATE : 5/1/2015 PLOT BY : eric.handler PLOT NAME : PLOT SCALE : 20.0000 ' / in.

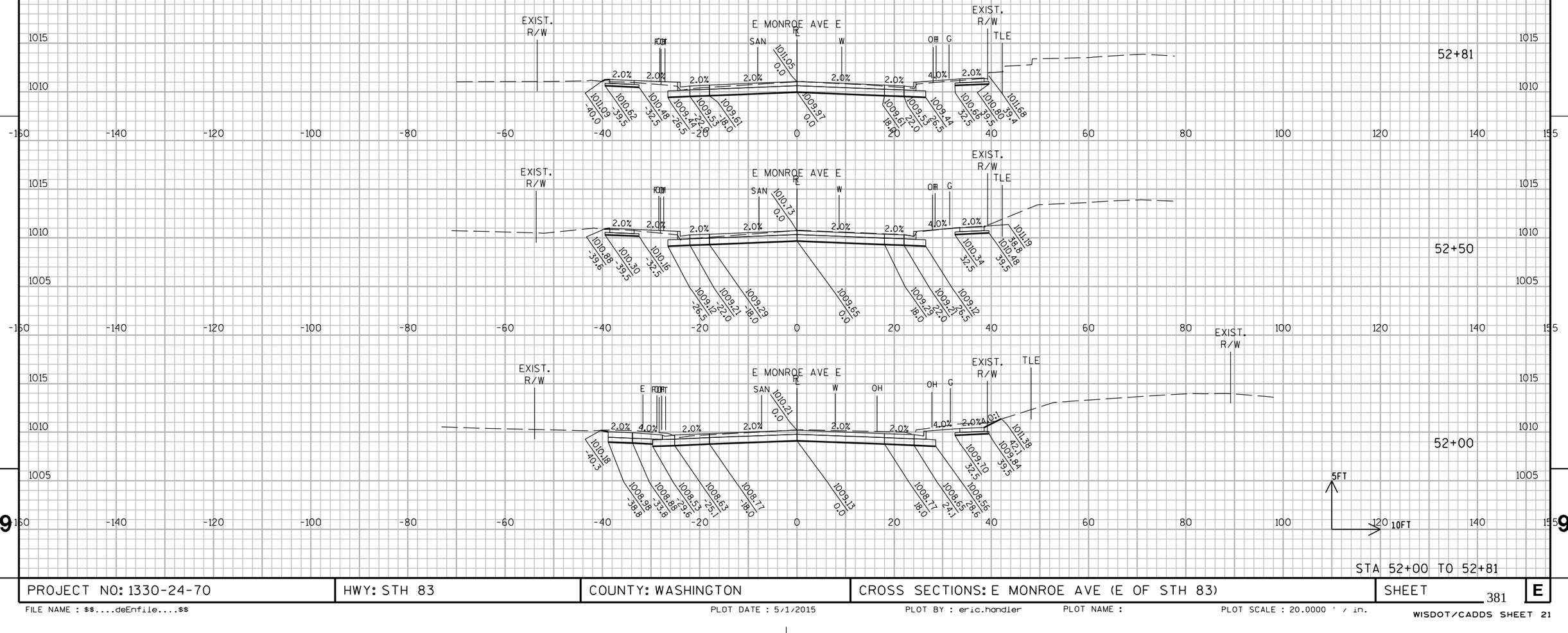
WISDOT/CADDS SHEET 21



PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: E MONROE AVE (E OF STH 83)	SHEET 380	E

FILE NAME : $$....deEnfile....$$ PLOT DATE : 5/1/2015 PLOT BY : eric.handler PLOT NAME : PLOT SCALE : 20.0000 ' / in.

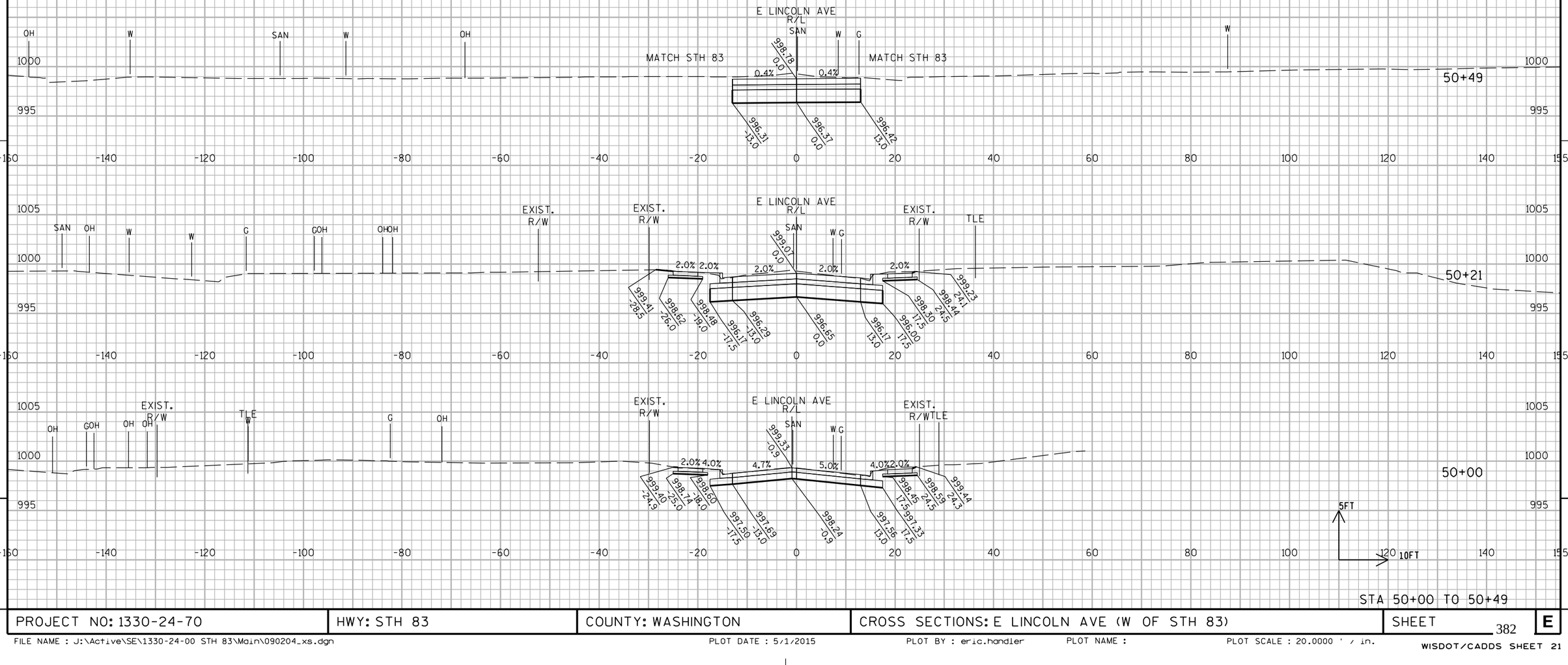
WISDOT/CADDS SHEET 21



PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: E MONROE AVE (E OF STH 83)	SHEET 381	E

FILE NAME : $$....deEnfile....$$ PLOT DATE : 5/1/2015 PLOT BY : eric.handler PLOT NAME : PLOT SCALE : 20.0000 ' / in.

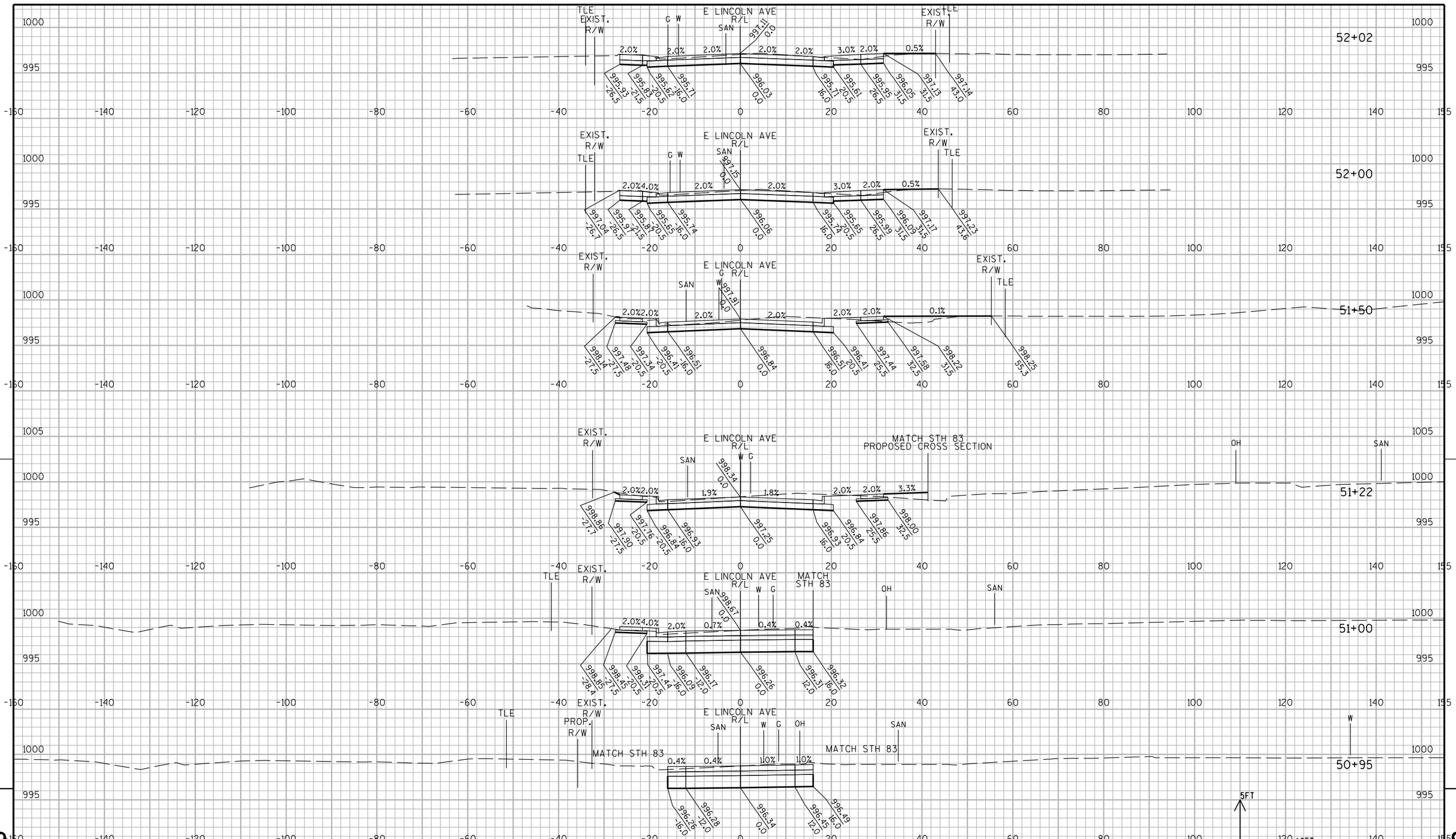
WISDOT/CADDS SHEET 21



PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: E LINCOLN AVE (W OF STH 83)	SHEET 382	E

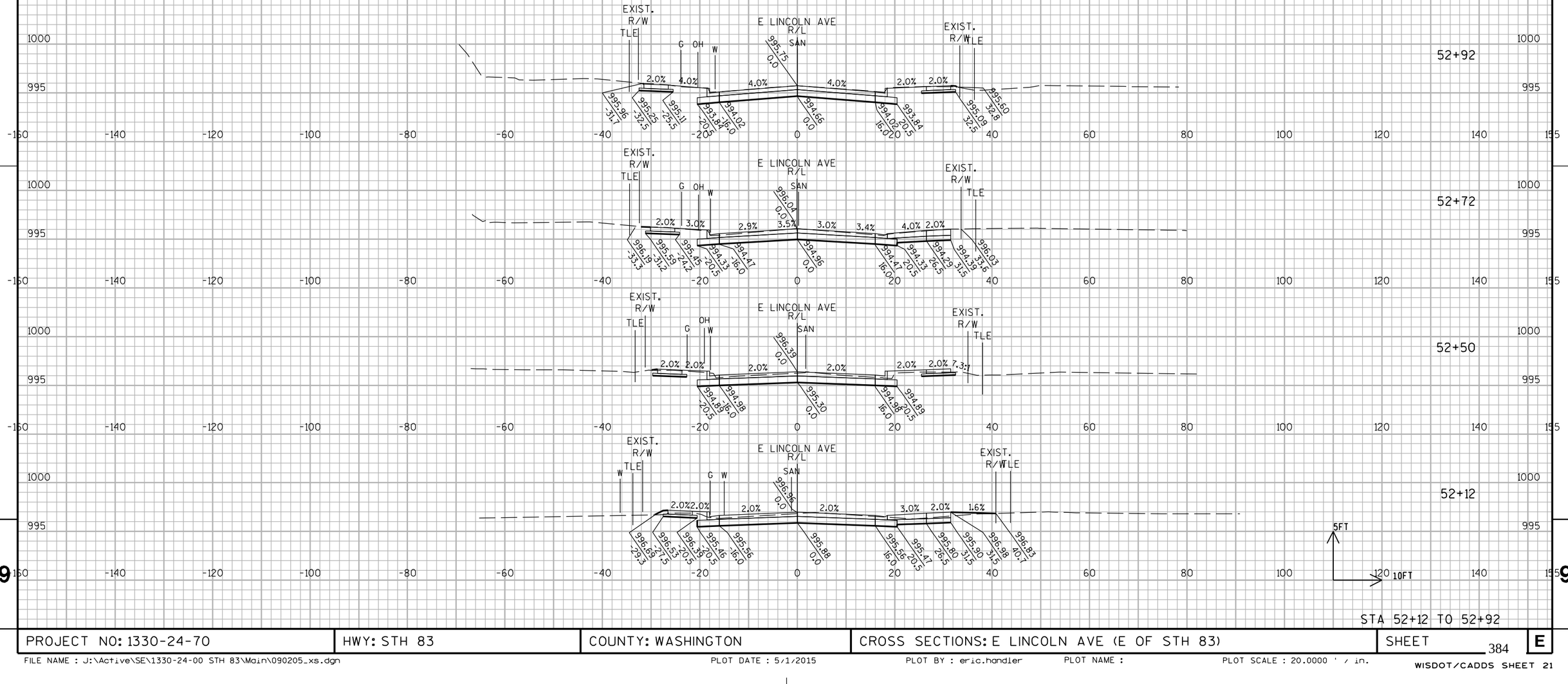
FILE NAME : J:\Active\SE\1330-24-00 STH 83\Main\090204_xs.dgn PLOT DATE : 5/1/2015 PLOT BY : eric.handler PLOT NAME : PLOT SCALE : 20.0000 ' / in.

WISDOT/CADDS SHEET 21



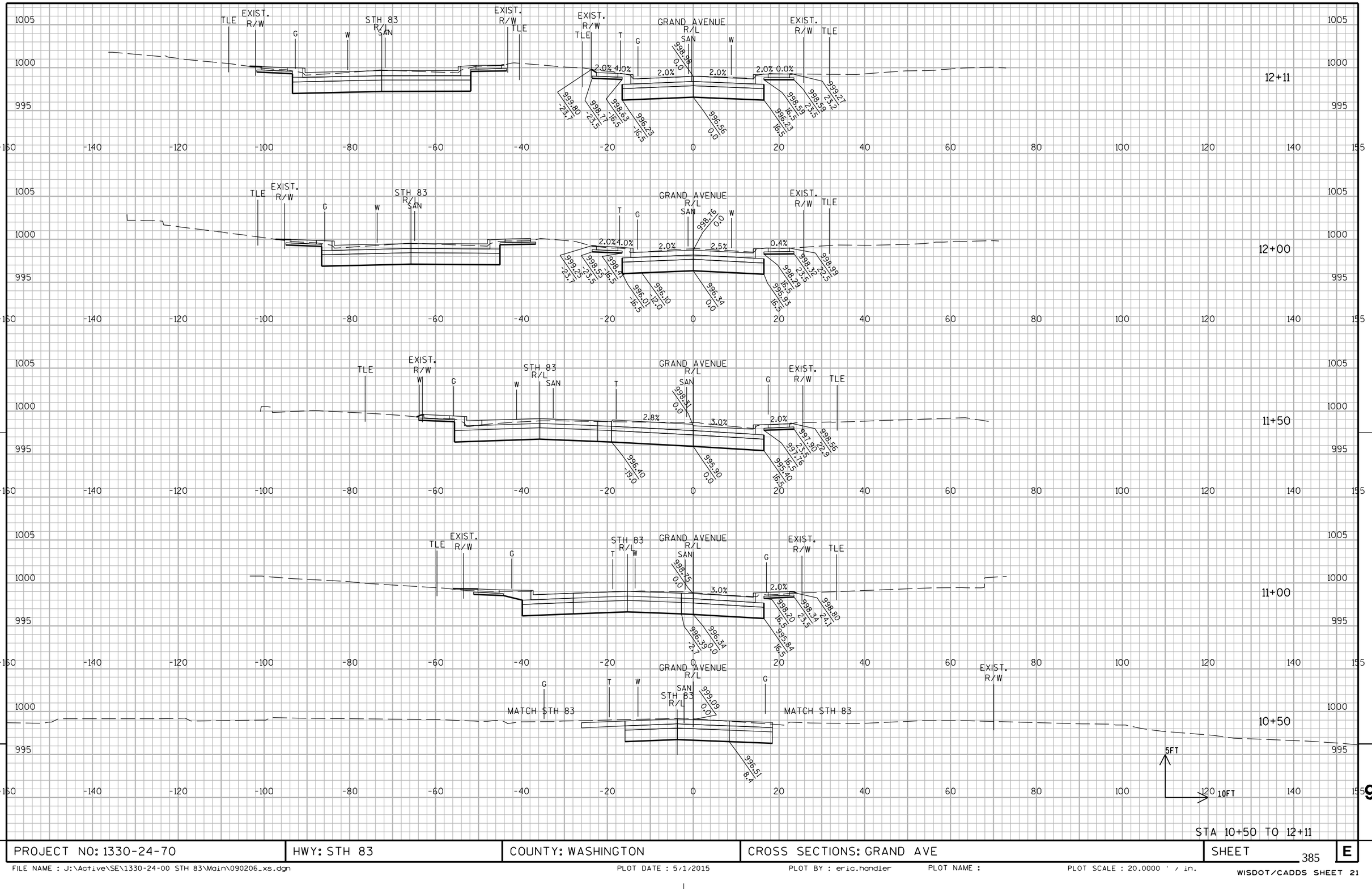
STA 50+95 TO 52+02

PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: E LINCOLN AVE (E OF STH 83)	SHEET 383	E



STA 52+12 TO 52+92

PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: E LINCOLN AVE (E OF STH 83)	SHEET 384	E

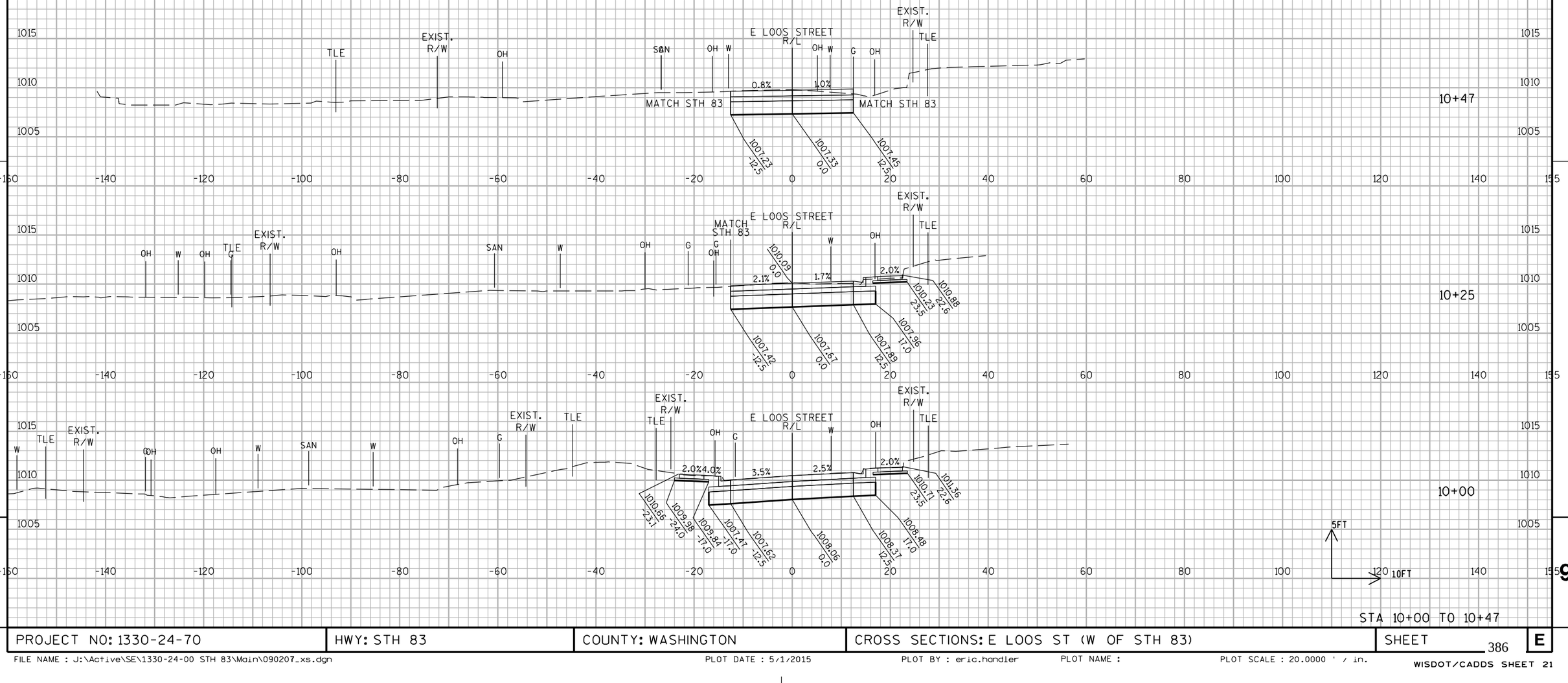


STA 10+50 TO 12+11

PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: GRAND AVE	SHEET 385	E

FILE NAME : J:\Active\SE\1330-24-00 STH 83\Main\090206_xs.dgn PLOT DATE : 5/1/2015 PLOT BY : eric.handler PLOT NAME : PLOT SCALE : 20.0000 ' / in.

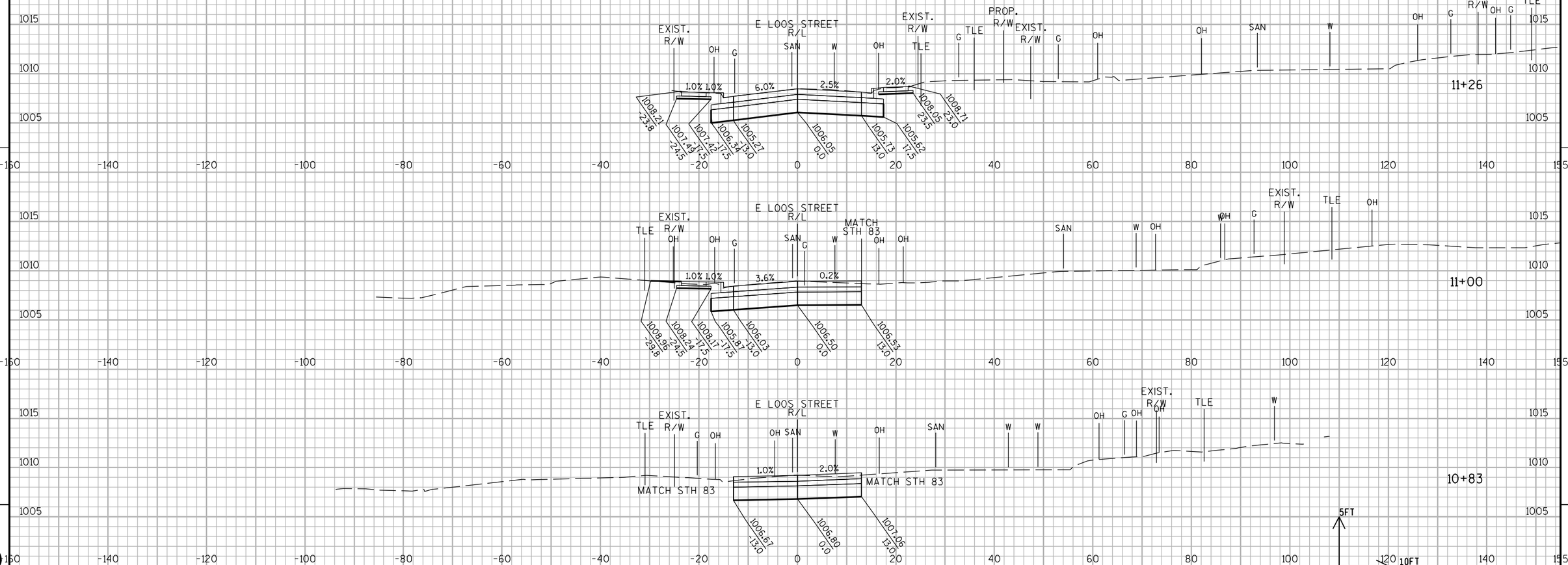
WISDOT/CADDS SHEET 21



PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: E LOOS ST (W OF STH 83)	SHEET 386	E

FILE NAME : J:\Active\SE\1330-24-00 STH 83\Main\090207_xs.dgn PLOT DATE : 5/1/2015 PLOT BY : eric.handler PLOT NAME : PLOT SCALE : 20.0000 ' / in.

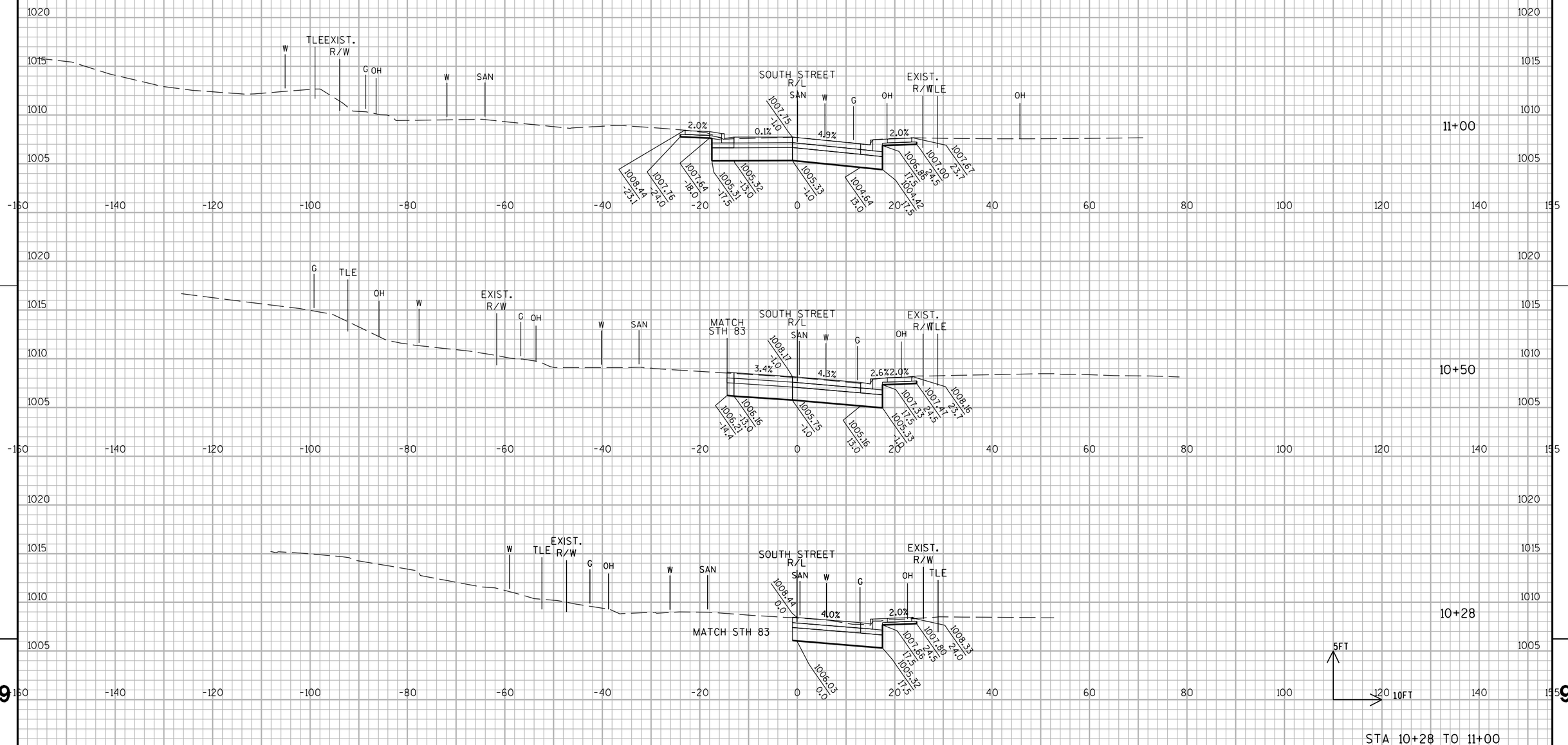
WISDOT/CADDS SHEET 21



PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: E LOOS ST (E OF STH 83)	SHEET 387	E

FILE NAME : J:\Active\SE\1330-24-00 STH 83\Main\090208_xs.dgn PLOT DATE : 5/1/2015 PLOT BY : eric.handler PLOT NAME : PLOT SCALE : 20.0000 ' / in.

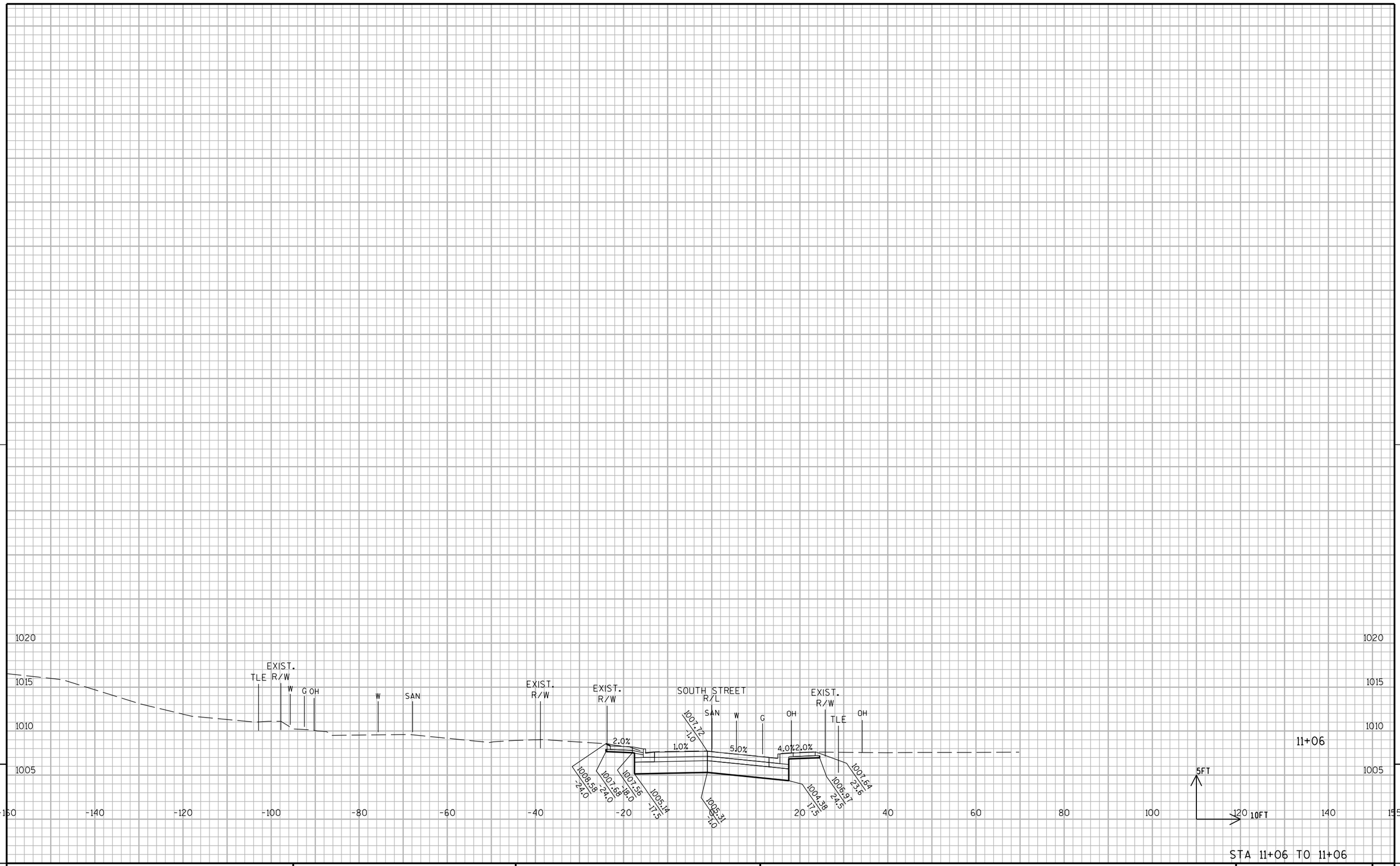
WISDOT/CADDS SHEET 21



PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: SOUTH ST	SHEET 388	E

FILE NAME : J:\Active\SE\1330-24-00 STH 83\Main\090209_xs.dgn PLOT DATE : 5/1/2015 PLOT BY : eric.handler PLOT NAME : PLOT SCALE : 20.0000 ' / in.

WISDOT/CADDS SHEET 21

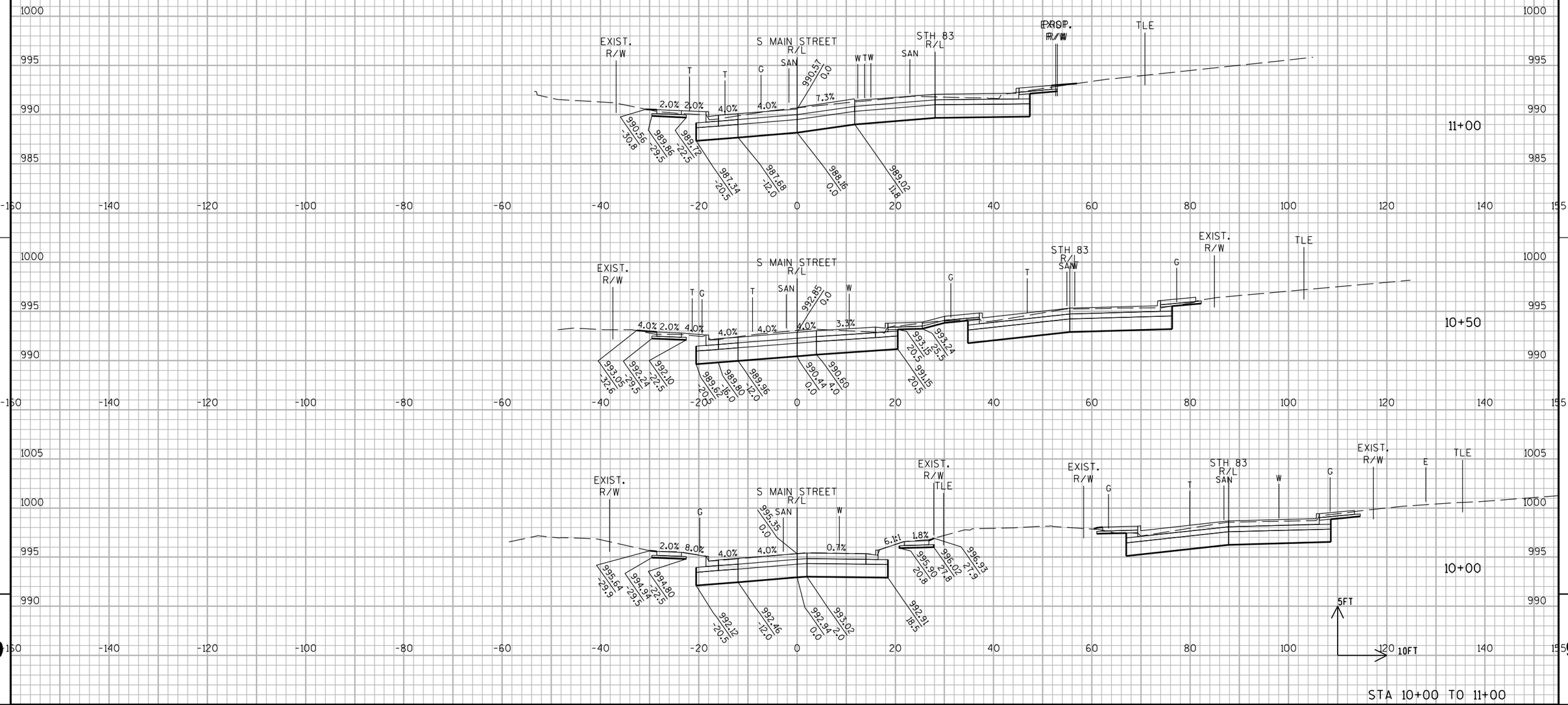


STA 11+06 TO 11+06

PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: SOUTH ST	SHEET 389	E

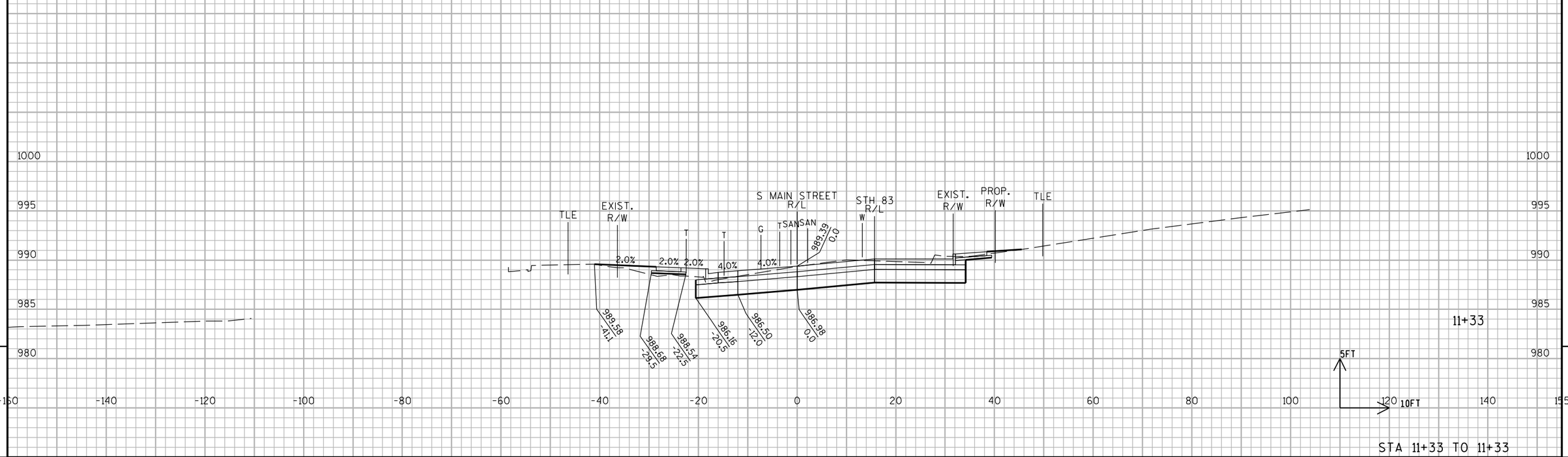
FILE NAME : J:\Active\SE\1330-24-00 STH 83\Main\090209_xs.dgn PLOT DATE : 5/1/2015 PLOT BY : eric.handler PLOT NAME : PLOT SCALE : 20.0000 ' / in.

WISDOT/CADDS SHEET 21



STA 10+00 TO 11+00

PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: S MAIN ST	SHEET 390	E

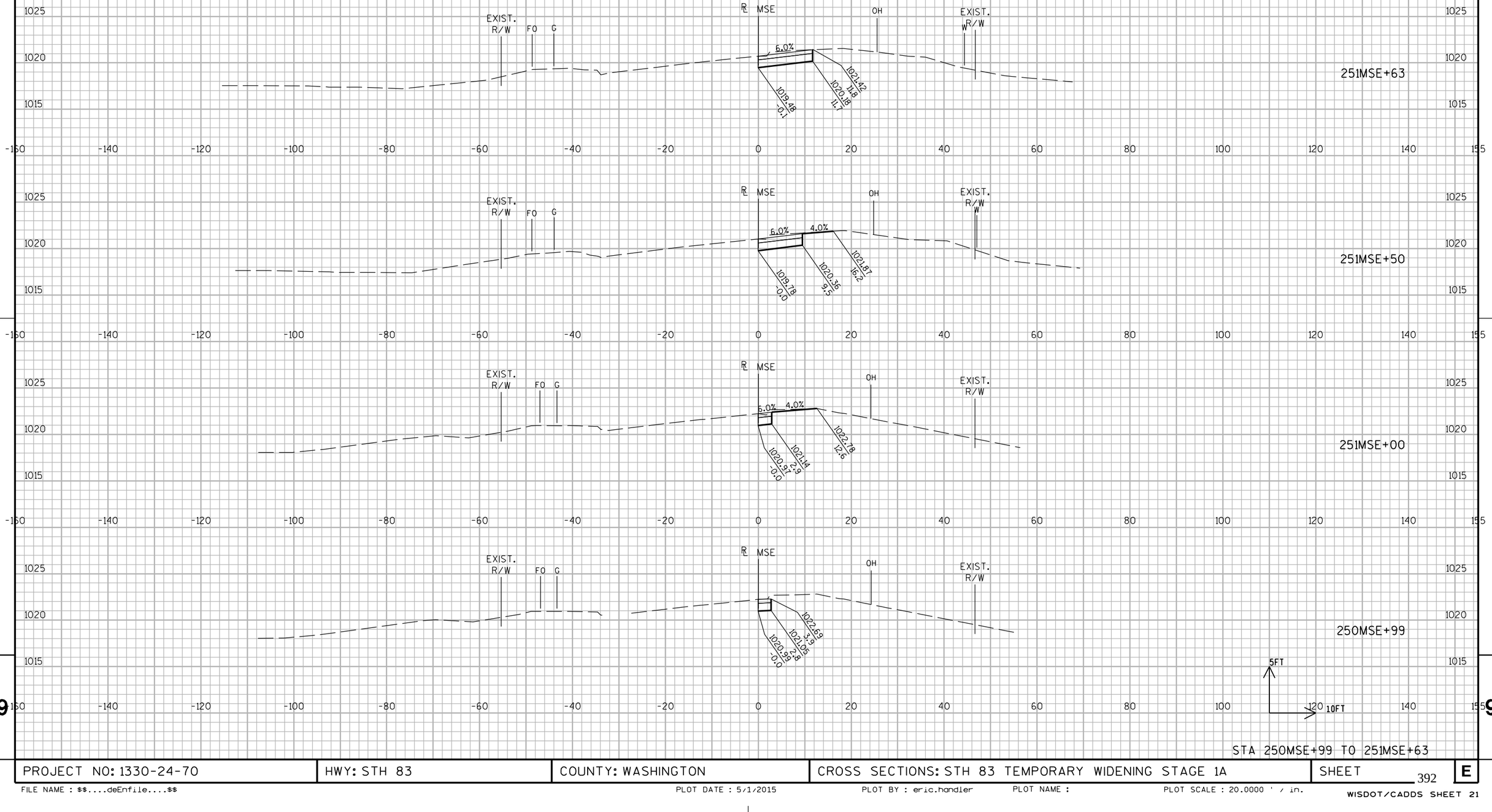


STA 11+33 TO 11+33

PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: S MAIN ST	SHEET 391	E

FILE NAME : J:\Active\SE\1330-24-00 STH 83\Main\090210_xs.dgn PLOT DATE : 5/1/2015 PLOT BY : eric.handler PLOT NAME : PLOT SCALE : 20.0000 ' / in.

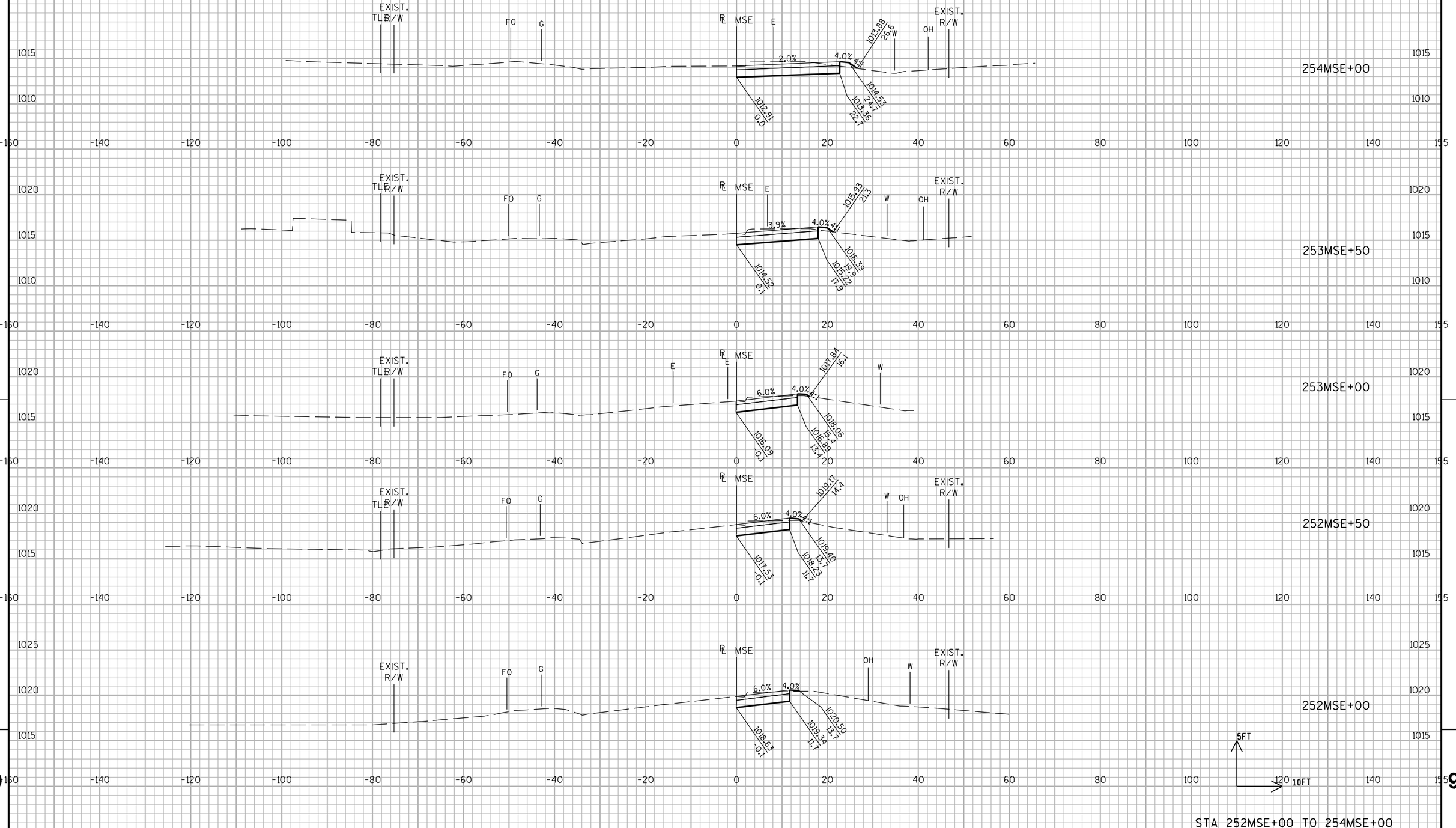
WISDOT/CADDS SHEET 21



PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: STH 83 TEMPORARY WIDENING STAGE 1A	SHEET 392	E

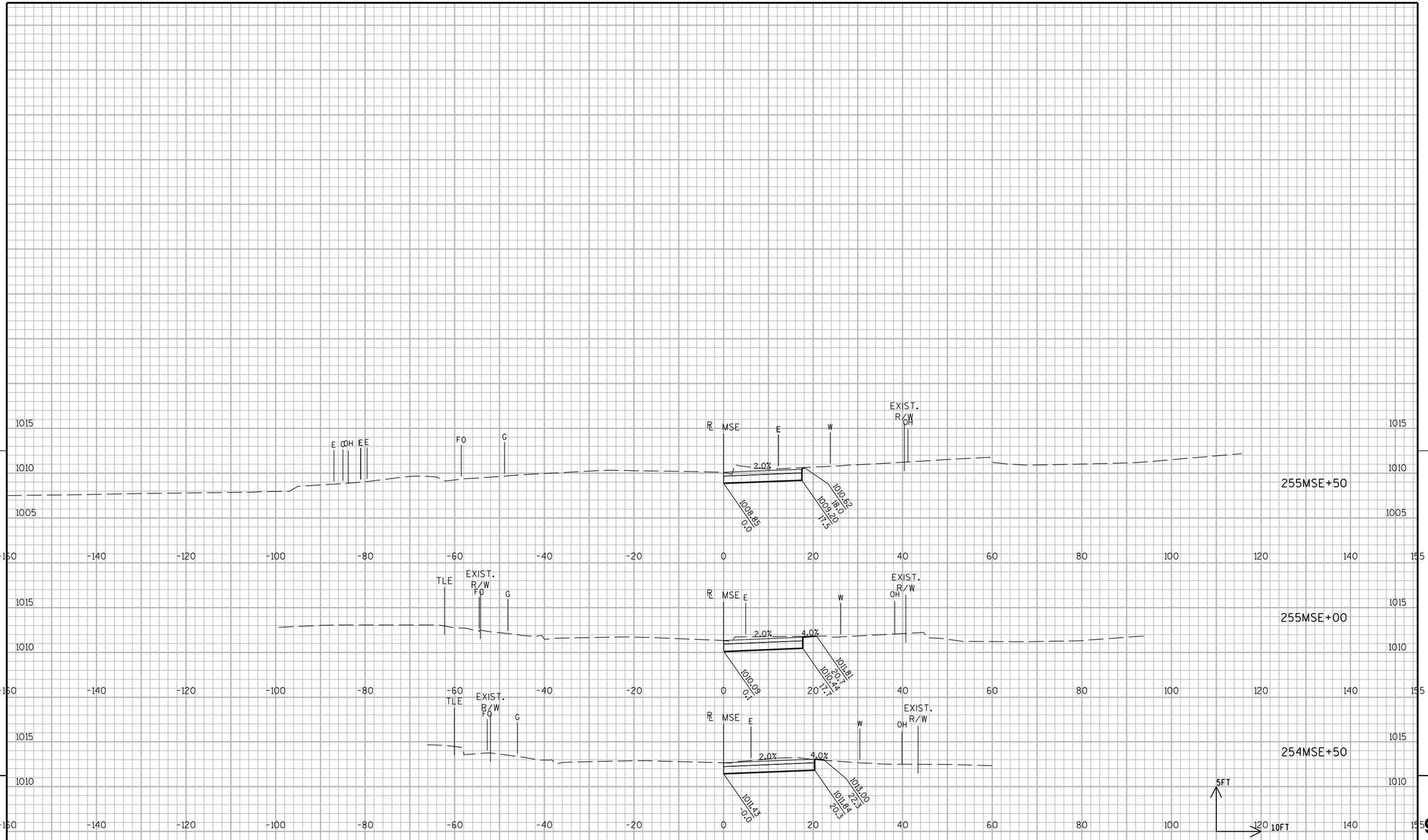
FILE NAME : $$....deEnfile....$$ PLOT DATE : 5/1/2015 PLOT BY : eric.handler PLOT NAME : PLOT SCALE : 20.0000 ' / in.

WISDOT/CADDS SHEET 21



STA 252MSE+00 TO 254MSE+00

PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: STH 83 TEMPORARY WIDENING STAGE 1A	SHEET 393	E

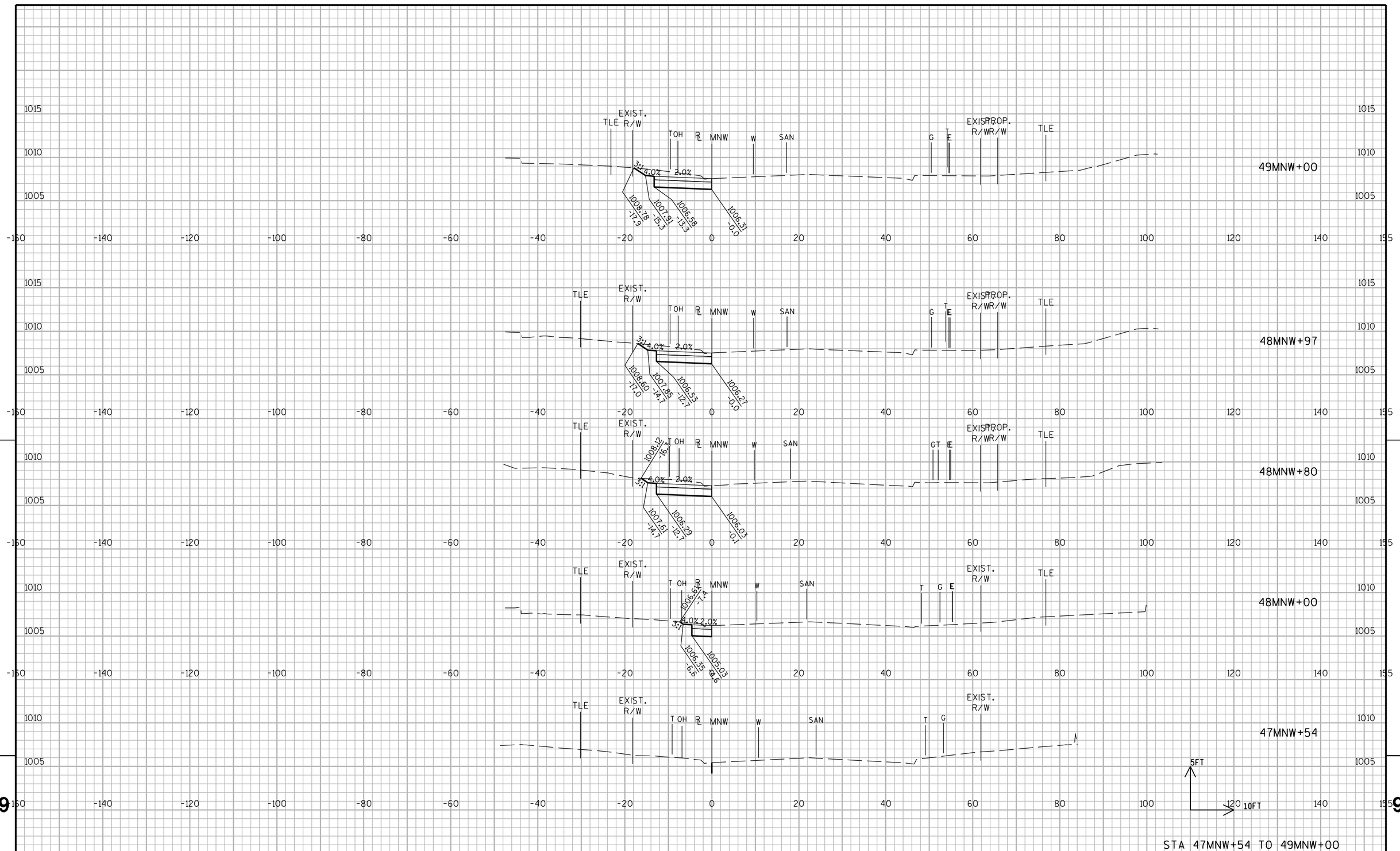


STA 254MSE+50 TO 255MSE+94

PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: STH 83 TEMPORARY WIDENING STAGE 1A	SHEET 394	E

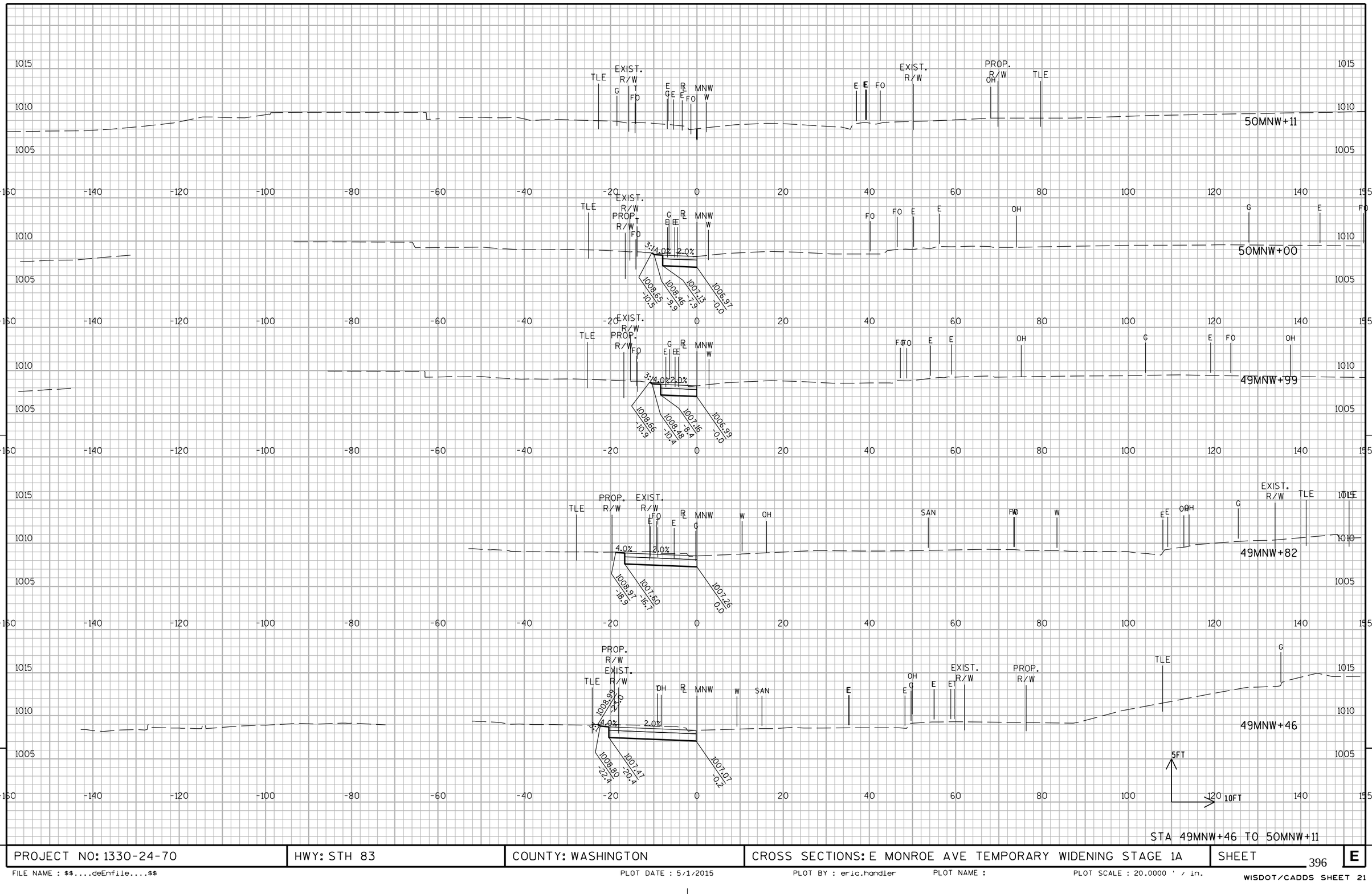
FILE NAME : $$....deEnfile....$$ PLOT DATE : 5/1/2015 PLOT BY : eric.handler PLOT NAME : PLOT SCALE : 20.0000 ' / in.

WISDOT/CADDS SHEET 21



STA 47MNW+54 TO 49MNW+00

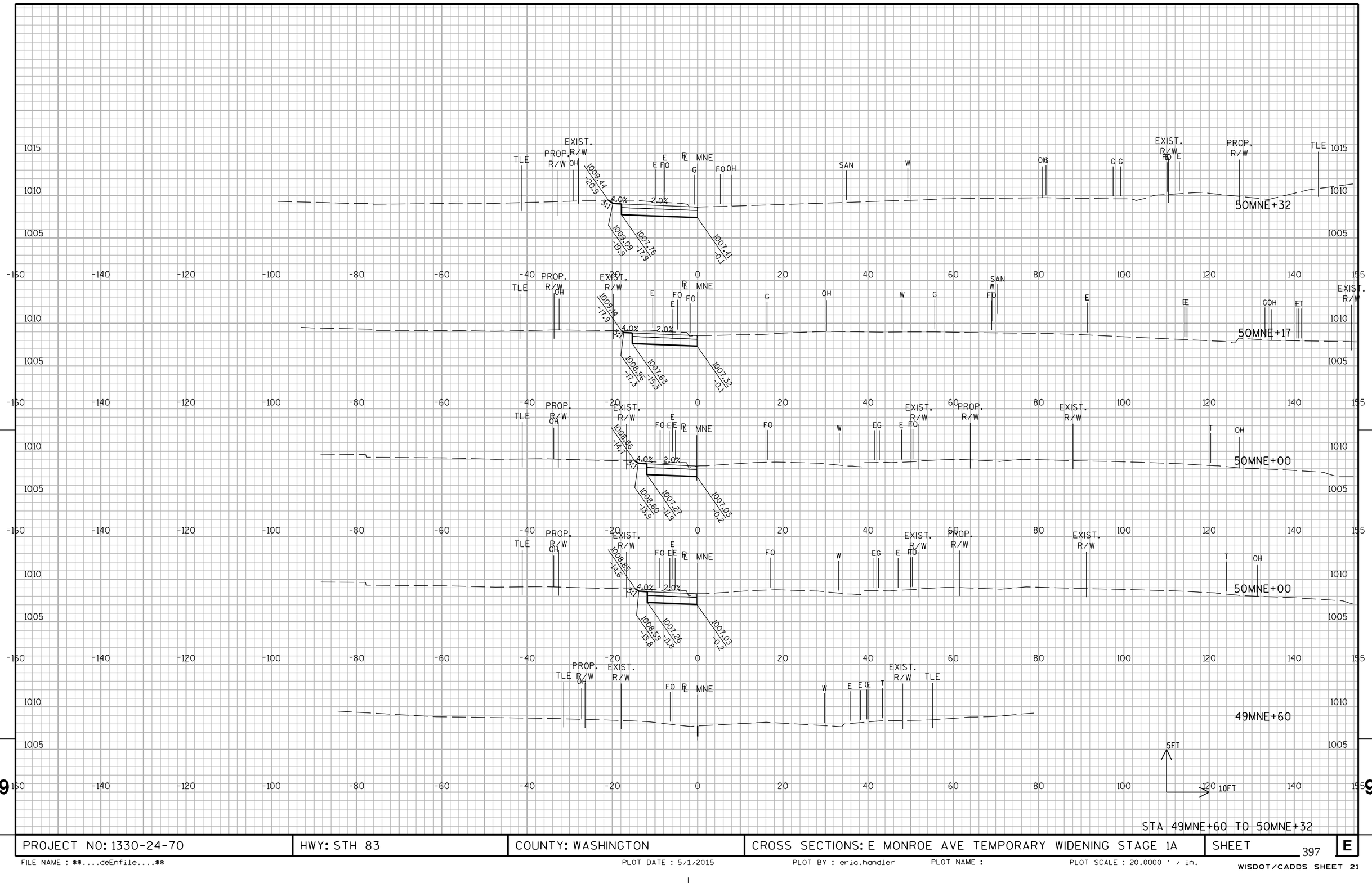
PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: E MONROE AVE TEMPORARY WIDENING STAGE 1A	SHEET 395	E



PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: E MONROE AVE TEMPORARY WIDENING STAGE 1A	SHEET 396	E

FILE NAME : $$....deEnfile....$$ PLOT DATE : 5/1/2015 PLOT BY : eric.handler PLOT NAME : PLOT SCALE : 20.0000 ' / in.

WISDOT/CADDS SHEET 21

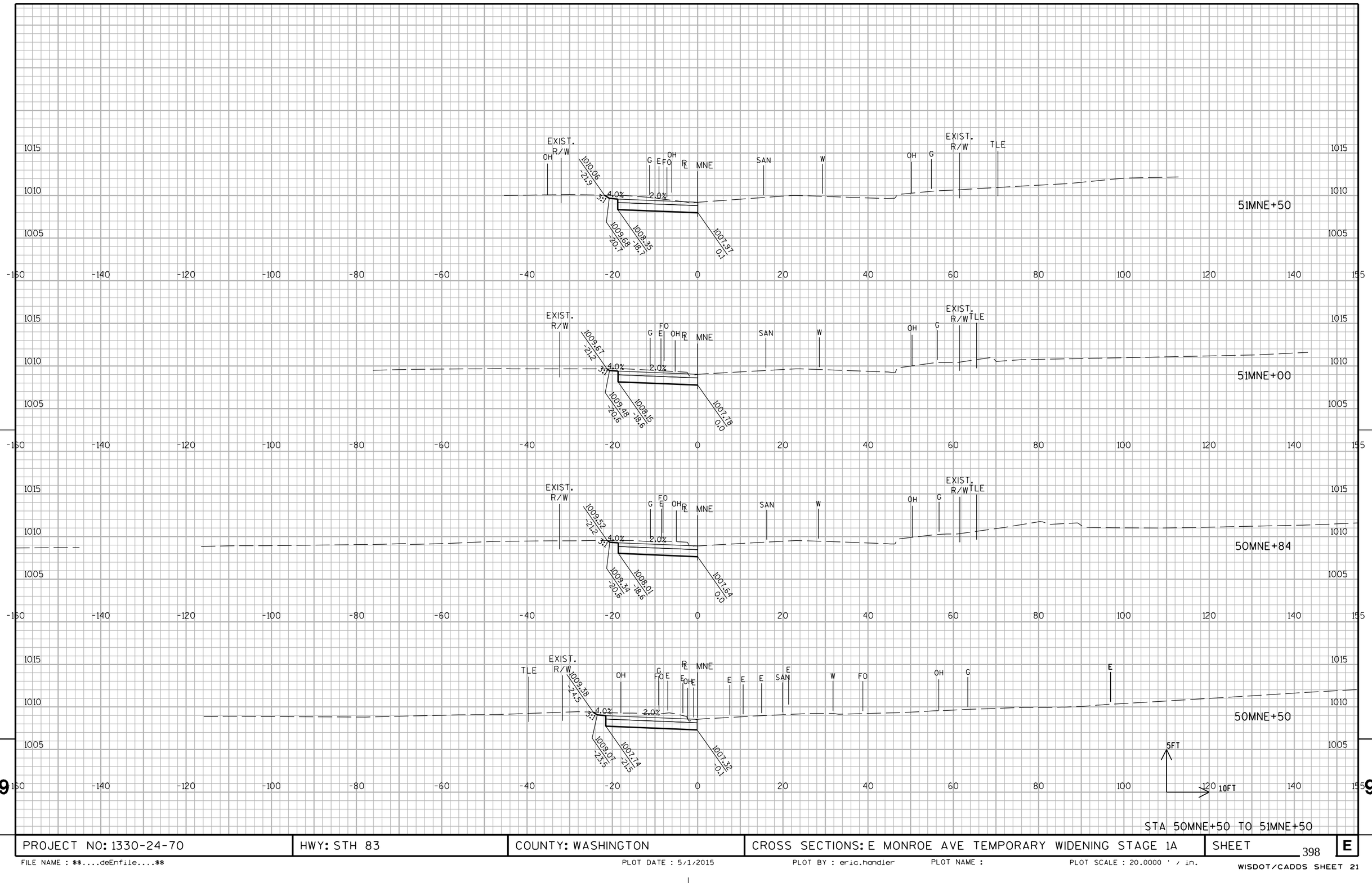


STA 49MNE+60 TO 50MNE+32

PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: E MONROE AVE TEMPORARY WIDENING STAGE 1A	SHEET 397	E

FILE NAME : $$....deEnfile....$$ PLOT DATE : 5/1/2015 PLOT BY : eric.handler PLOT NAME : PLOT SCALE : 20.0000 ' / in.

WISDOT/CADDS SHEET 21

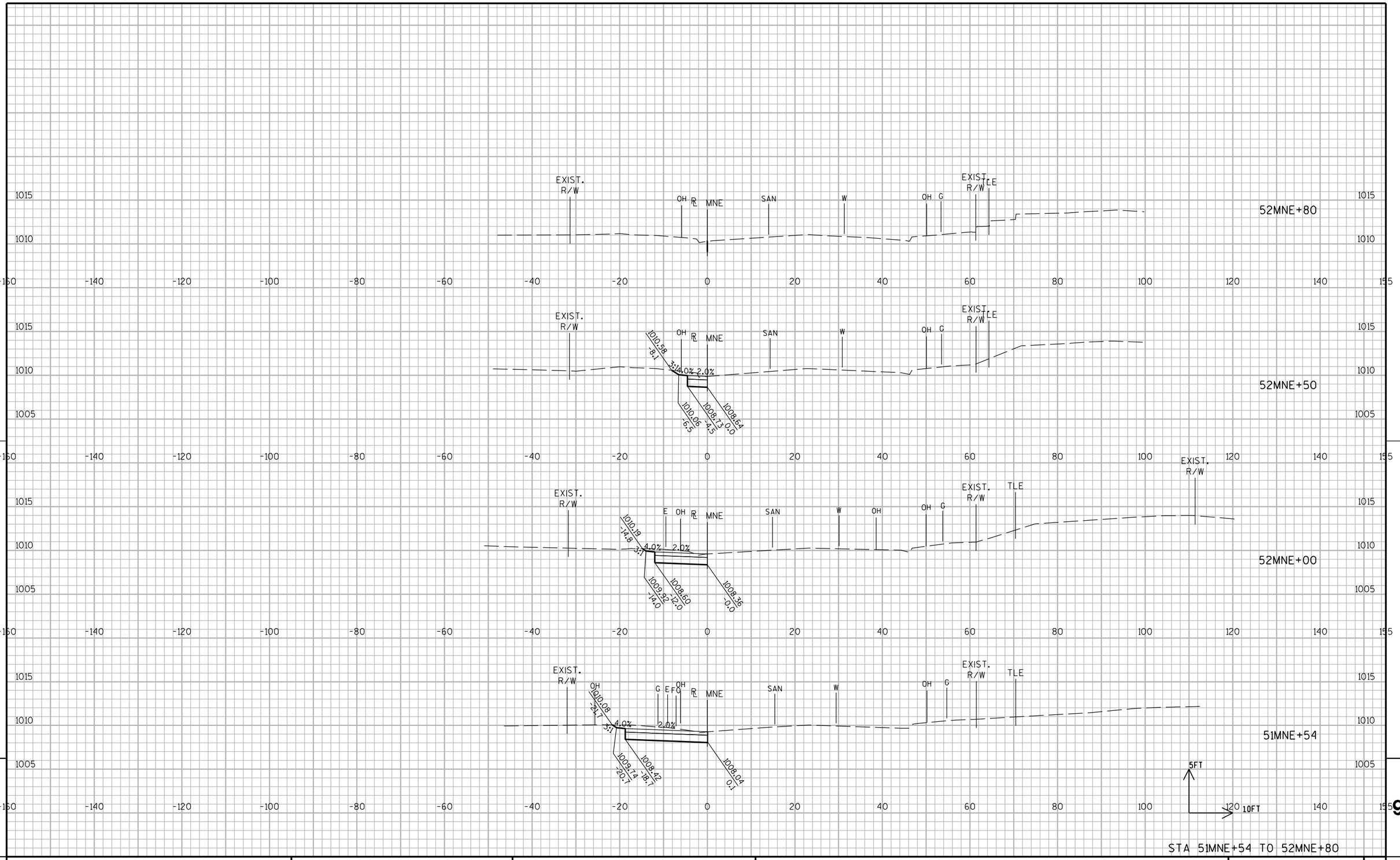


STA 50MNE+50 TO 51MNE+50

PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: E MONROE AVE TEMPORARY WIDENING STAGE 1A	SHEET 398	E

FILE NAME : $$....deEnfile....$$ PLOT DATE : 5/1/2015 PLOT BY : eric.handler PLOT NAME : PLOT SCALE : 20.0000 ' / in.

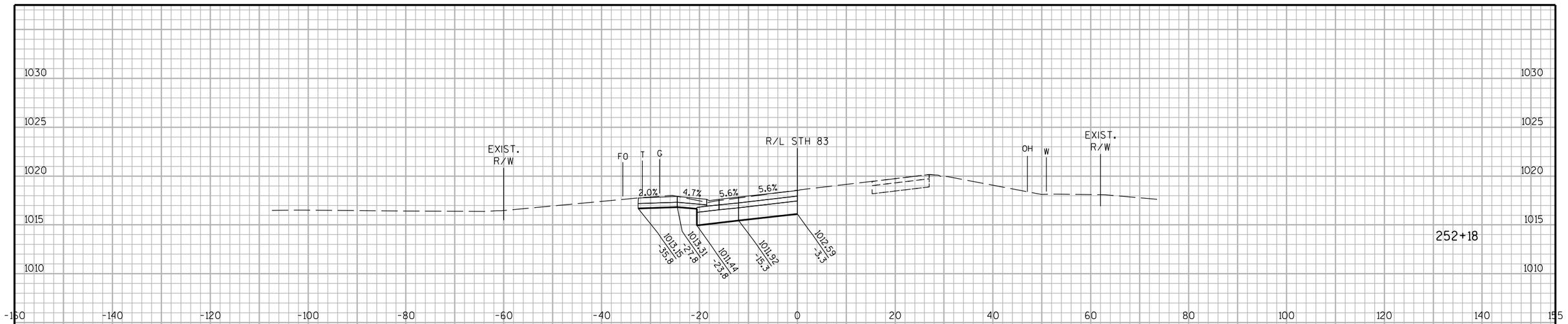
WISDOT/CADDS SHEET 21

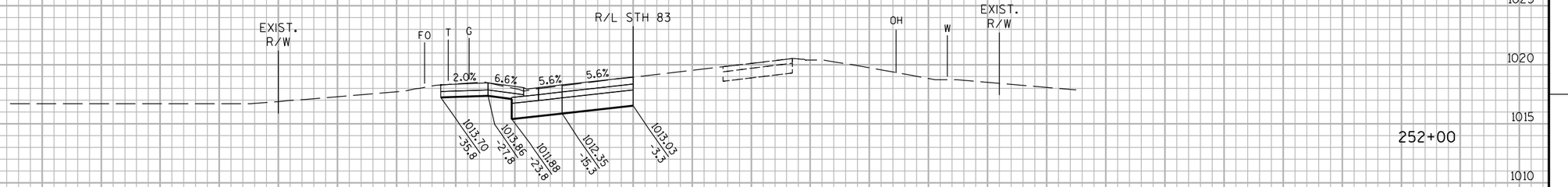


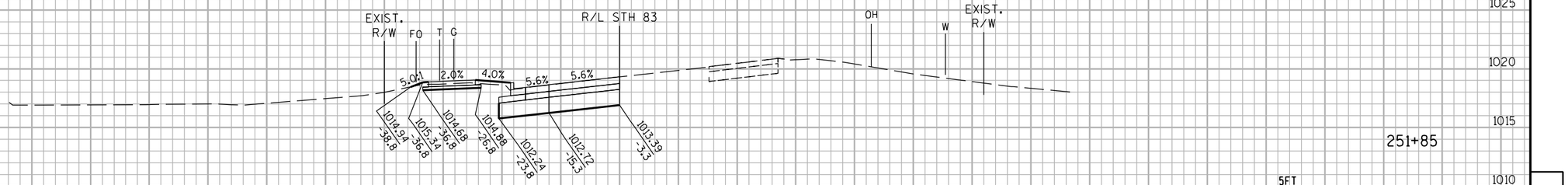
PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: E MONROE AVE TEMPORARY WIDENING STAGE 1A	SHEET 399	E

FILE NAME : $$....deEnfile....$$ PLOT DATE : 5/1/2015 PLOT BY : eric.handler PLOT NAME : PLOT SCALE : 20.0000 ' / in.

WISDOT/CADDS SHEET 21







STA 251+85 TO 252+18

PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: STH 83 - STAGE 1B	SHEET 400	E

FILE NAME : $$....deEnfile....$$ PLOT DATE : 5/1/2015 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : 20.0000 ' / in.

WISDOT/CADDS SHEET 21

PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: STH 83 - STAGE 1B	SHEET 401	E

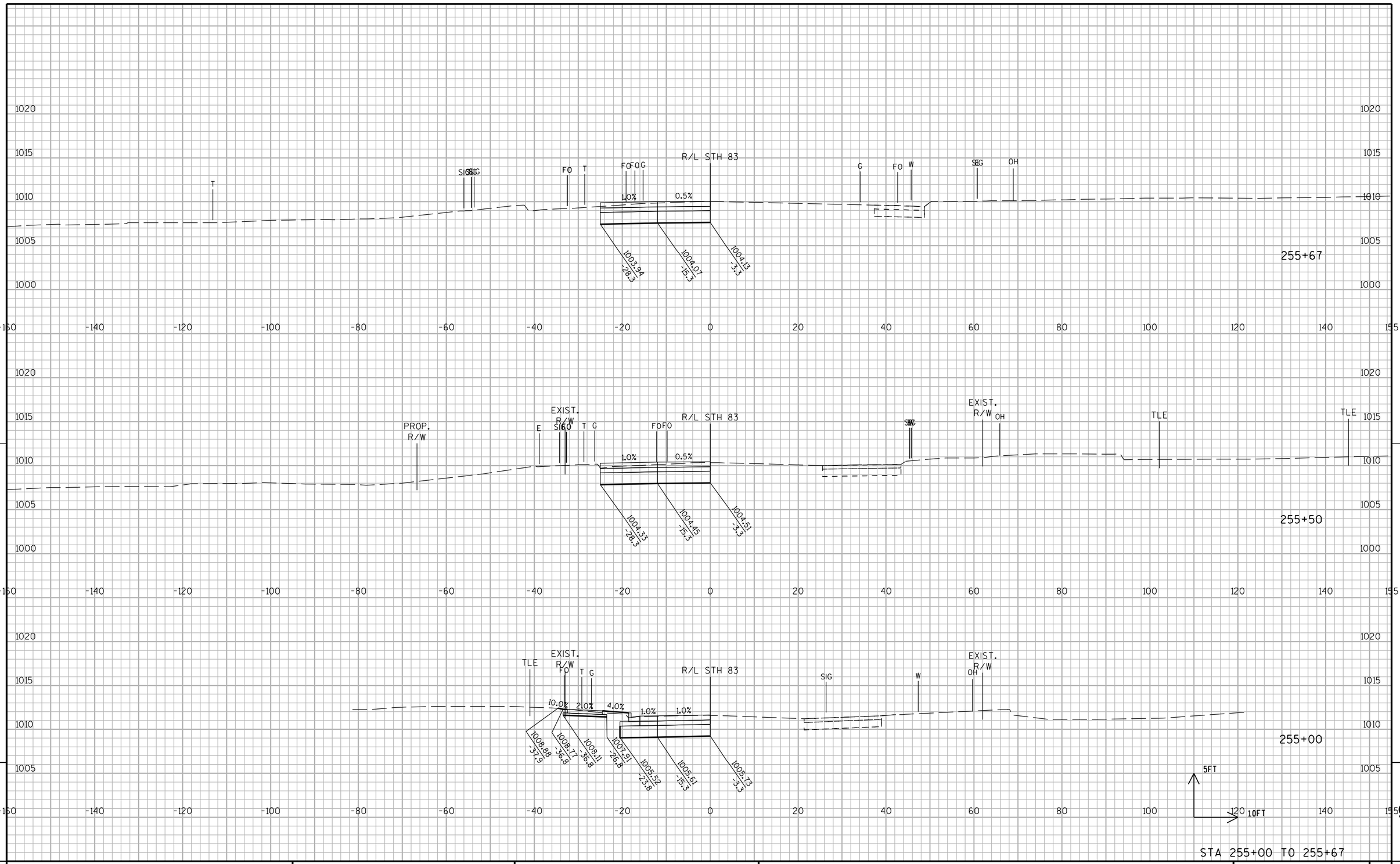
FILE NAME : $$....deEnfile....$$ PLOT DATE : 5/1/2015 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : 20.0000 ' / in.

WISDOT/CADDS SHEET 21

PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: STH 83 - STAGE 1B	SHEET 402	E

FILE NAME : $$....deEnfile....$$ PLOT DATE : 5/1/2015 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : 20.0000 ' / in.

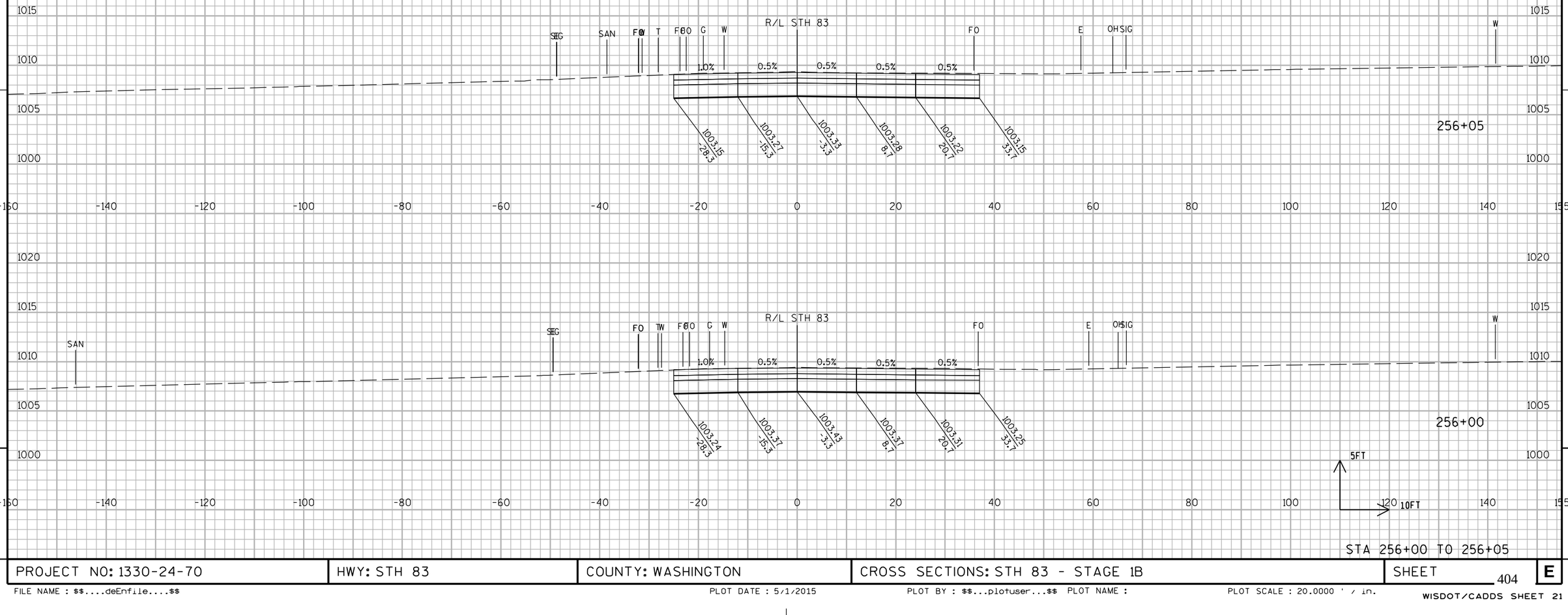
WISDOT/CADDS SHEET 21



PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: STH 83 - STAGE 1B	SHEET 403	E

FILE NAME : $$....deEnfile....$$ PLOT DATE : 5/1/2015 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : 20.0000 ' / in.

WISDOT/CADDS SHEET 21

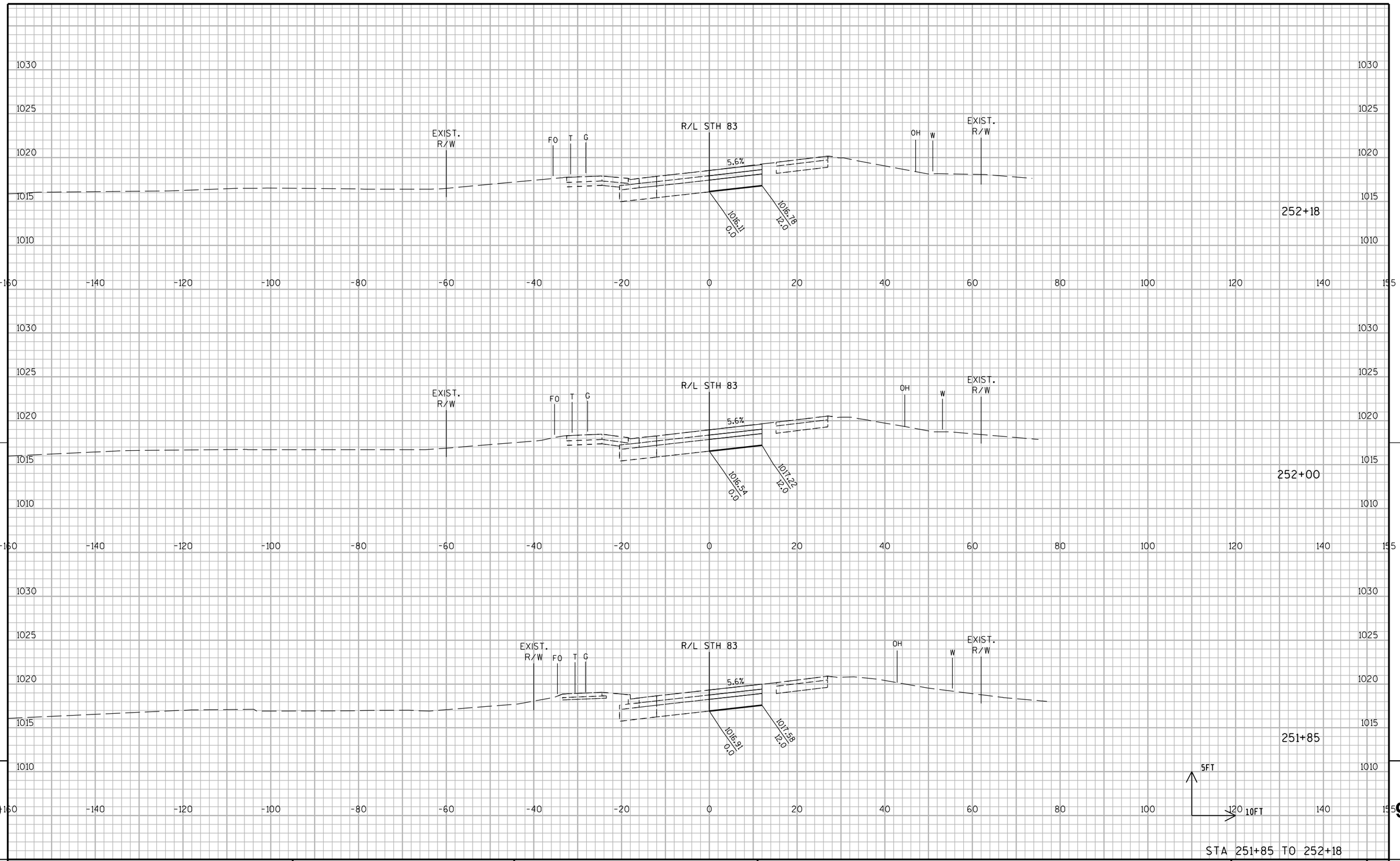


STA 256+00 TO 256+05

PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: STH 83 - STAGE 1B	SHEET 404	E

FILE NAME : $$....deEnfile....$$ PLOT DATE : 5/1/2015 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : 20.0000 ' / in.

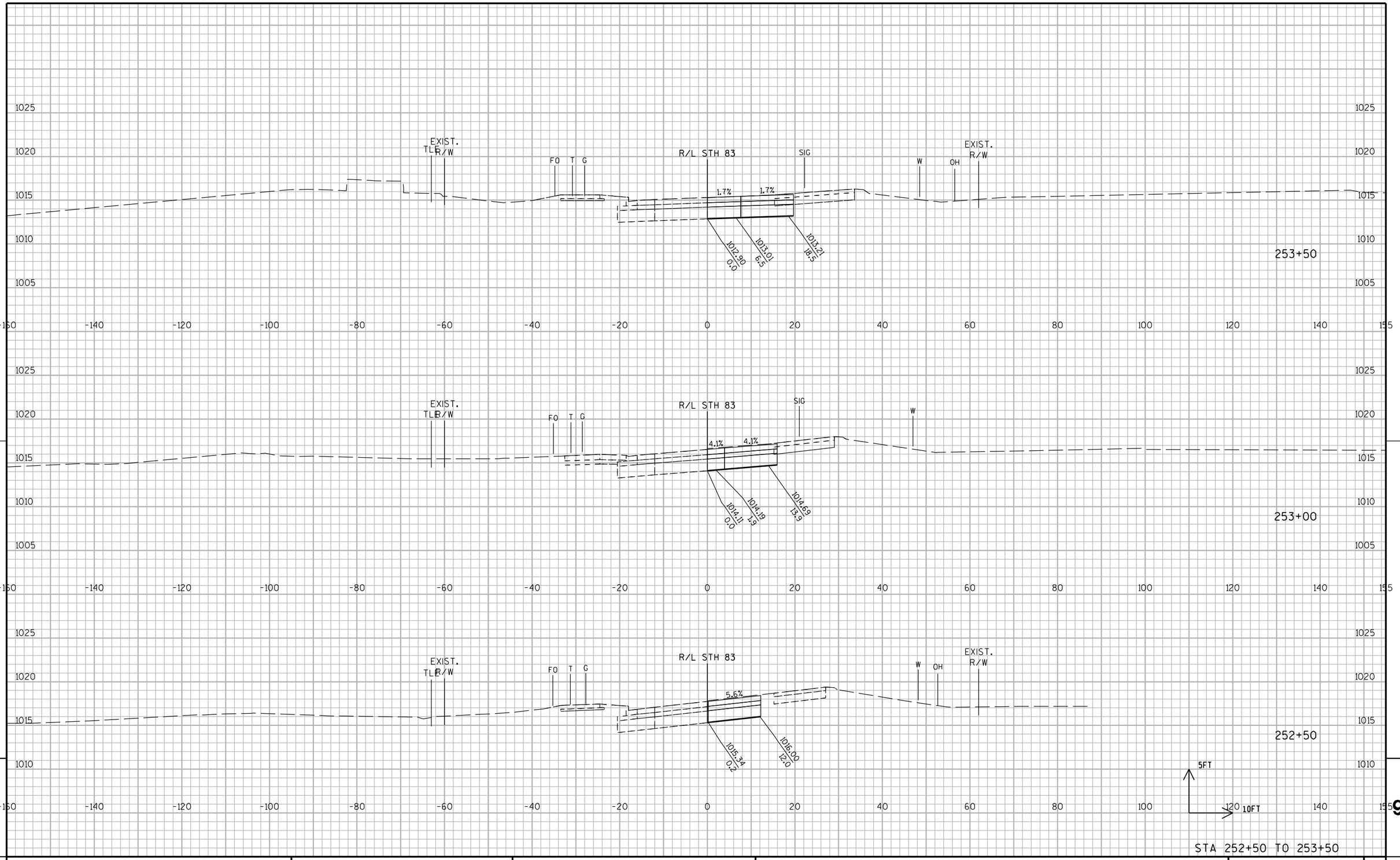
WISDOT/CADDS SHEET 21



PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: STH 83 - STAGE 1C	SHEET 405 E

FILE NAME : $$....deEnfile....$$ PLOT DATE : 5/1/2015 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : 20.0000 ' / in.

WISDOT/CADDS SHEET 21

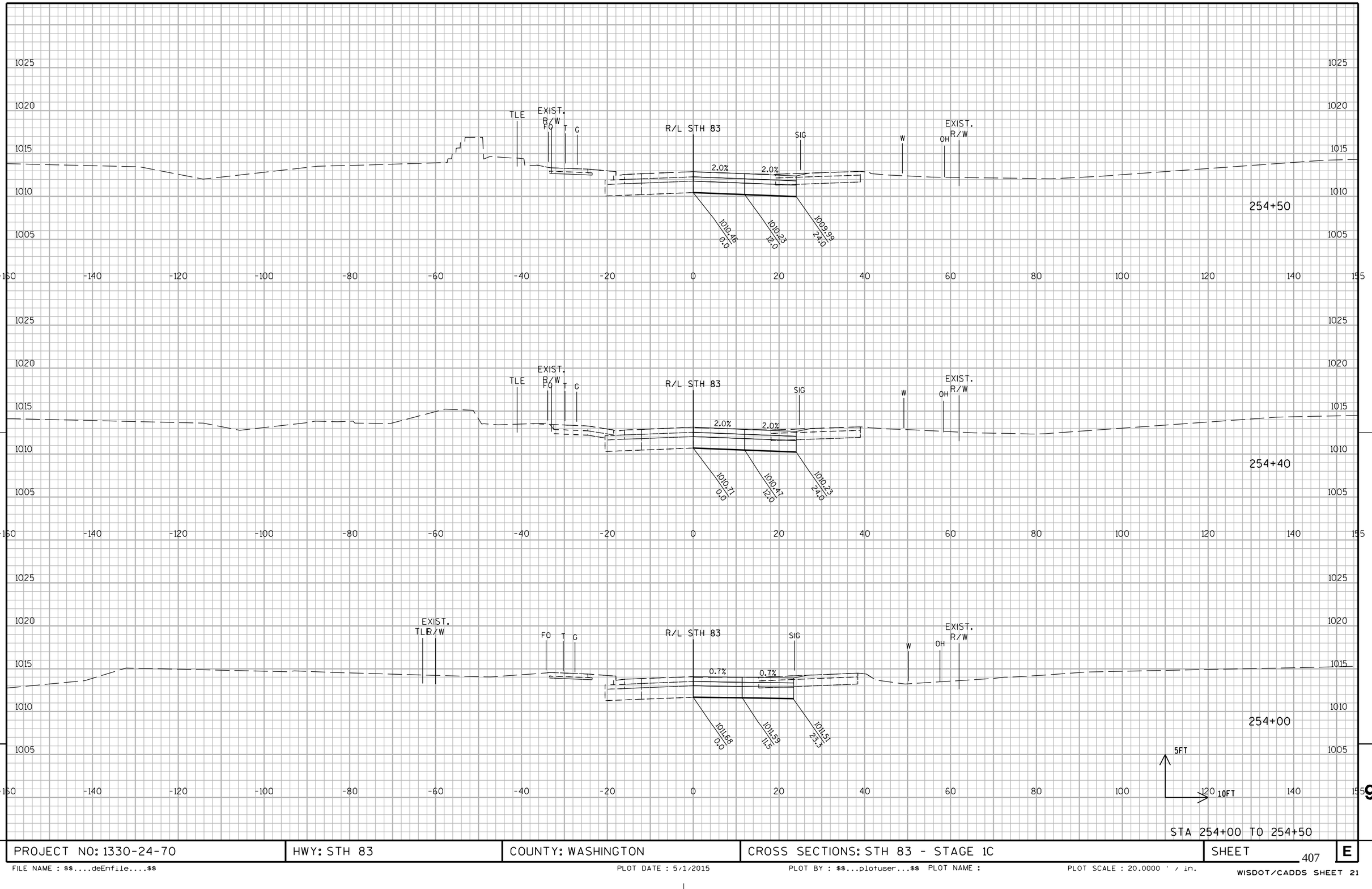


STA 252+50 TO 253+50

PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: STH 83 - STAGE 1C	SHEET 406	E

FILE NAME : $$....deEnfile....$$ PLOT DATE : 5/1/2015 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : 20.0000 ' / in.

WISDOT/CADDS SHEET 21

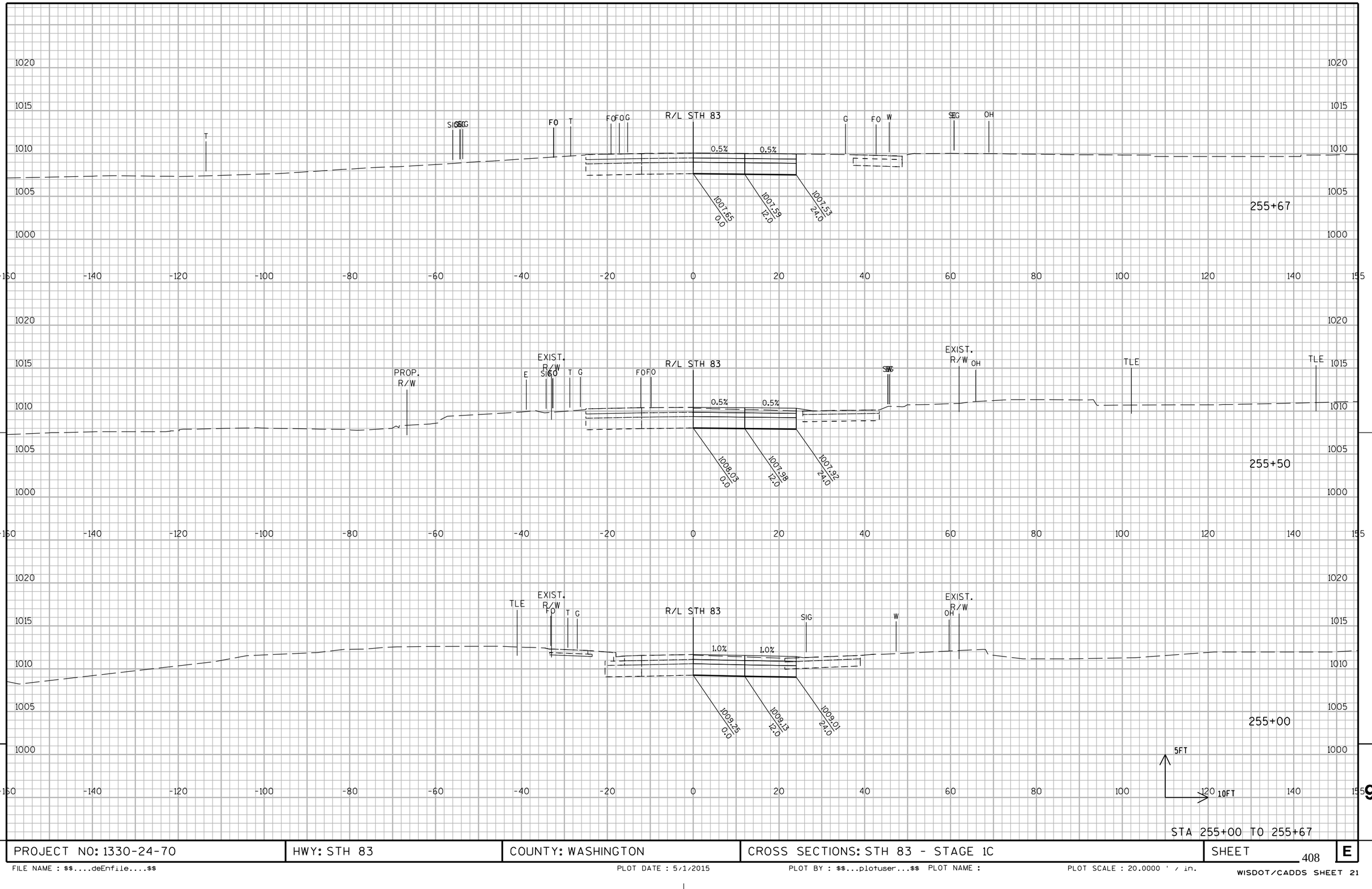


STA 254+00 TO 254+50

PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: STH 83 - STAGE 1C	SHEET 407	E

FILE NAME : $$....deEnfile....$$ PLOT DATE : 5/1/2015 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : 20.0000 ' / in.

WISDOT/CADDS SHEET 21

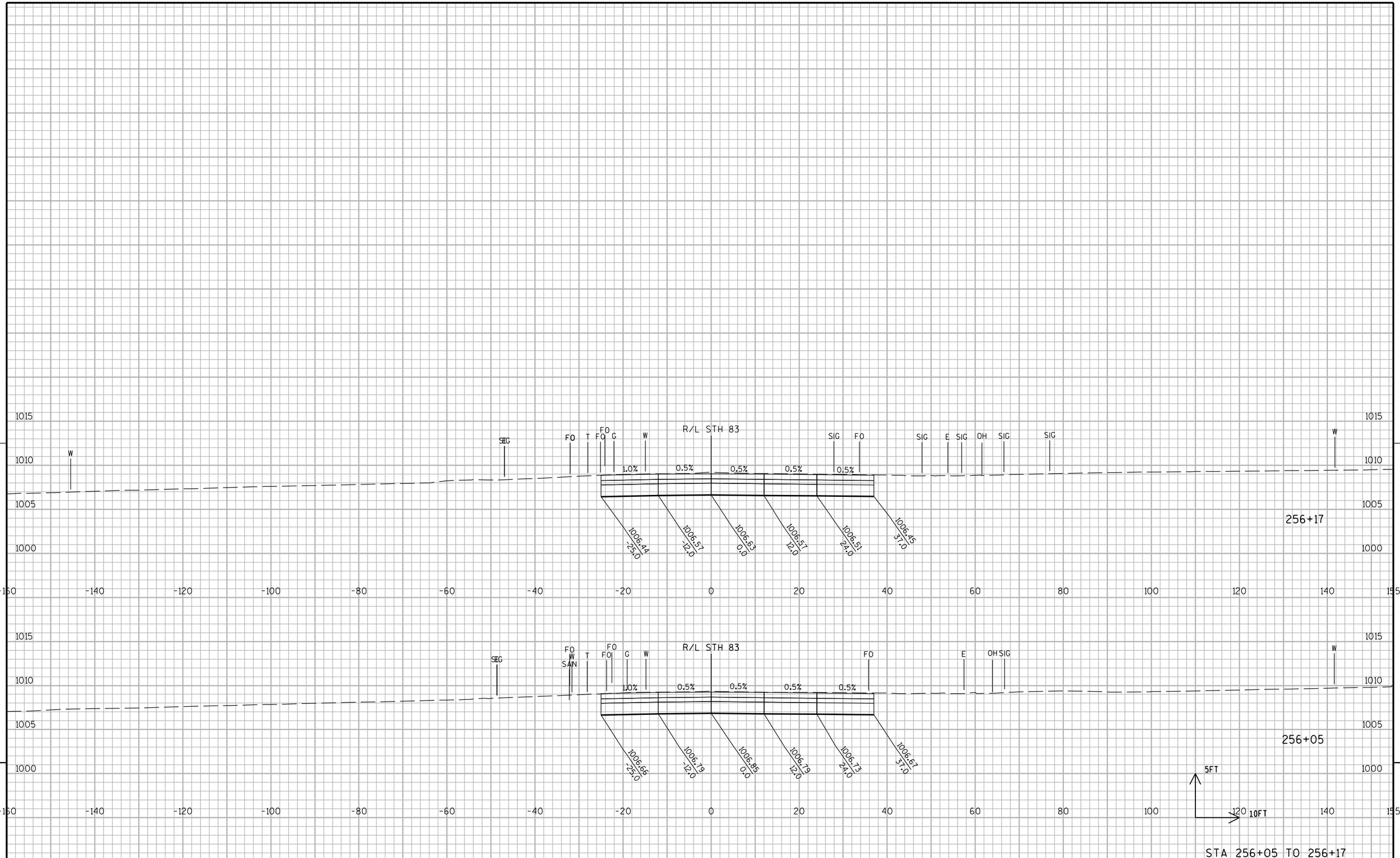


STA 255+00 TO 255+67

PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: STH 83 - STAGE 1C	SHEET 408	E

FILE NAME : $$....deEnfile....$$ PLOT DATE : 5/1/2015 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : 20.0000 ' / in.

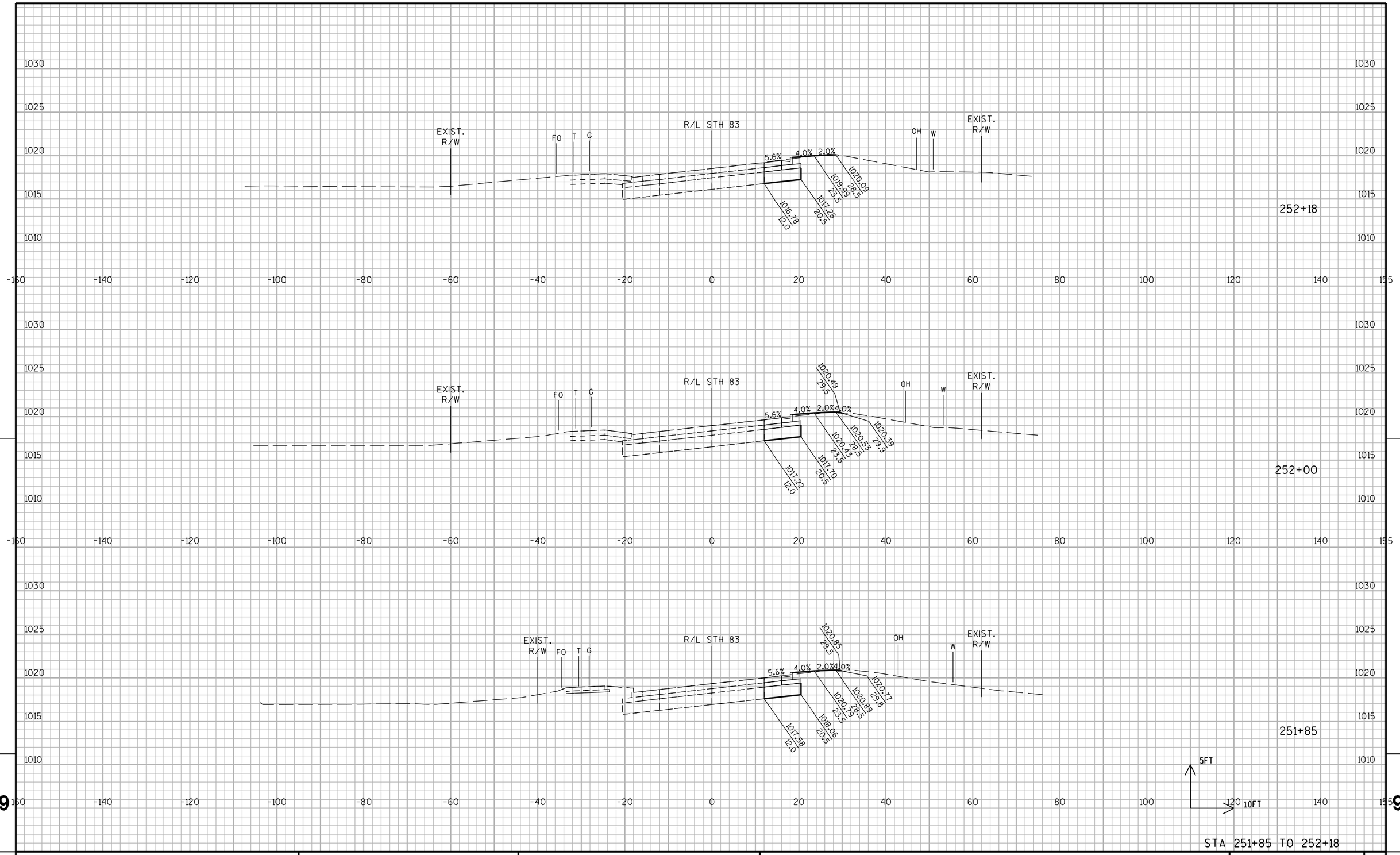
WISDOT/CADDS SHEET 21



PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: STH 83 - STAGE 1C	SHEET 409	E

FILE NAME : $$....deEnfile....$$ PLOT DATE : 5/1/2015 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : 20.0000 ' / in.

WISDOT/CADDS SHEET 21



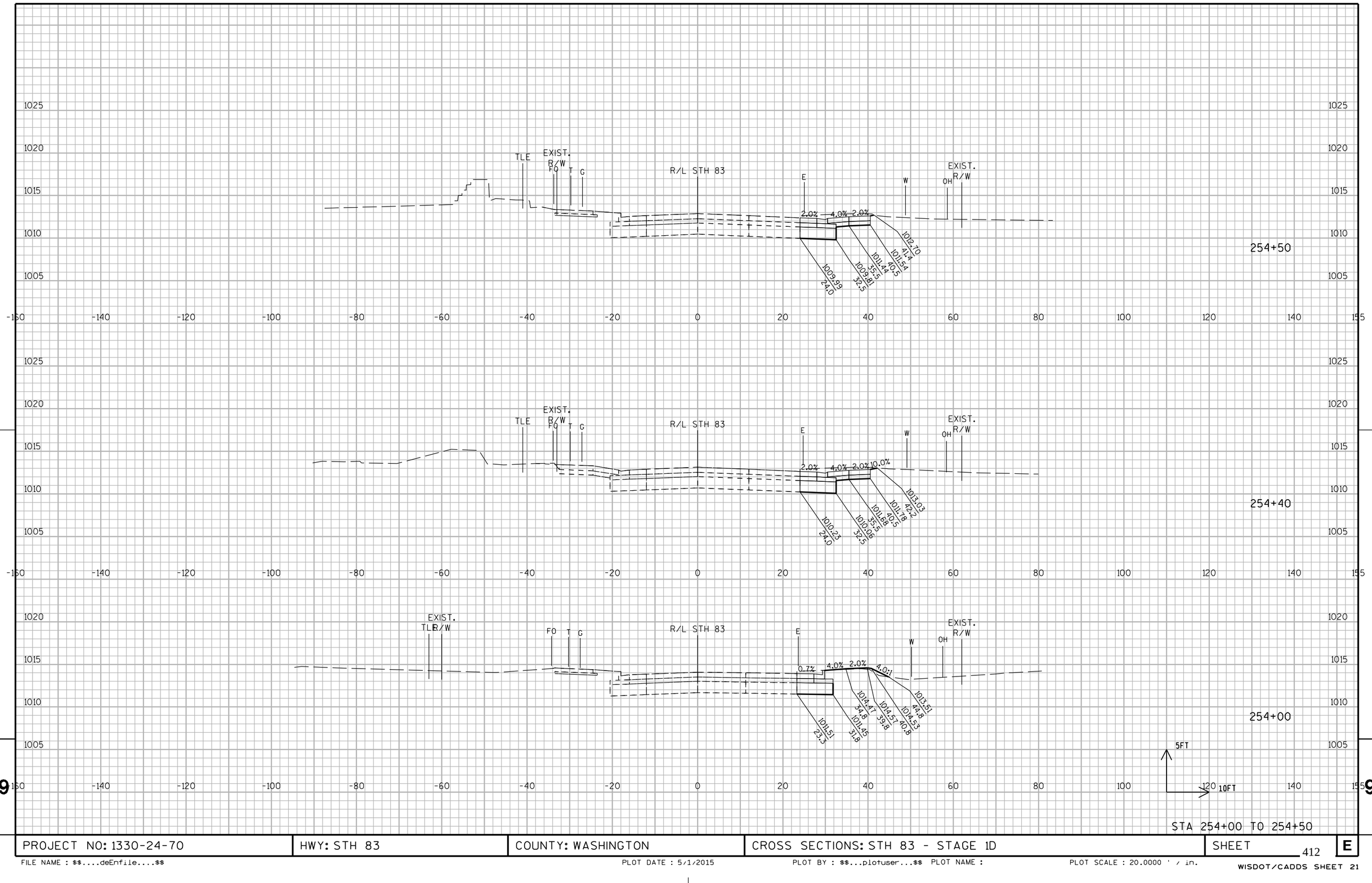
PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: STH 83 - STAGE 1D	SHEET 410	E

STA 252+50 TO 253+50

PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: STH 83 - STAGE 1D	SHEET 411	E

FILE NAME : $$....deEnfile....$$ PLOT DATE : 5/1/2015 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : 20.0000 ' / in.

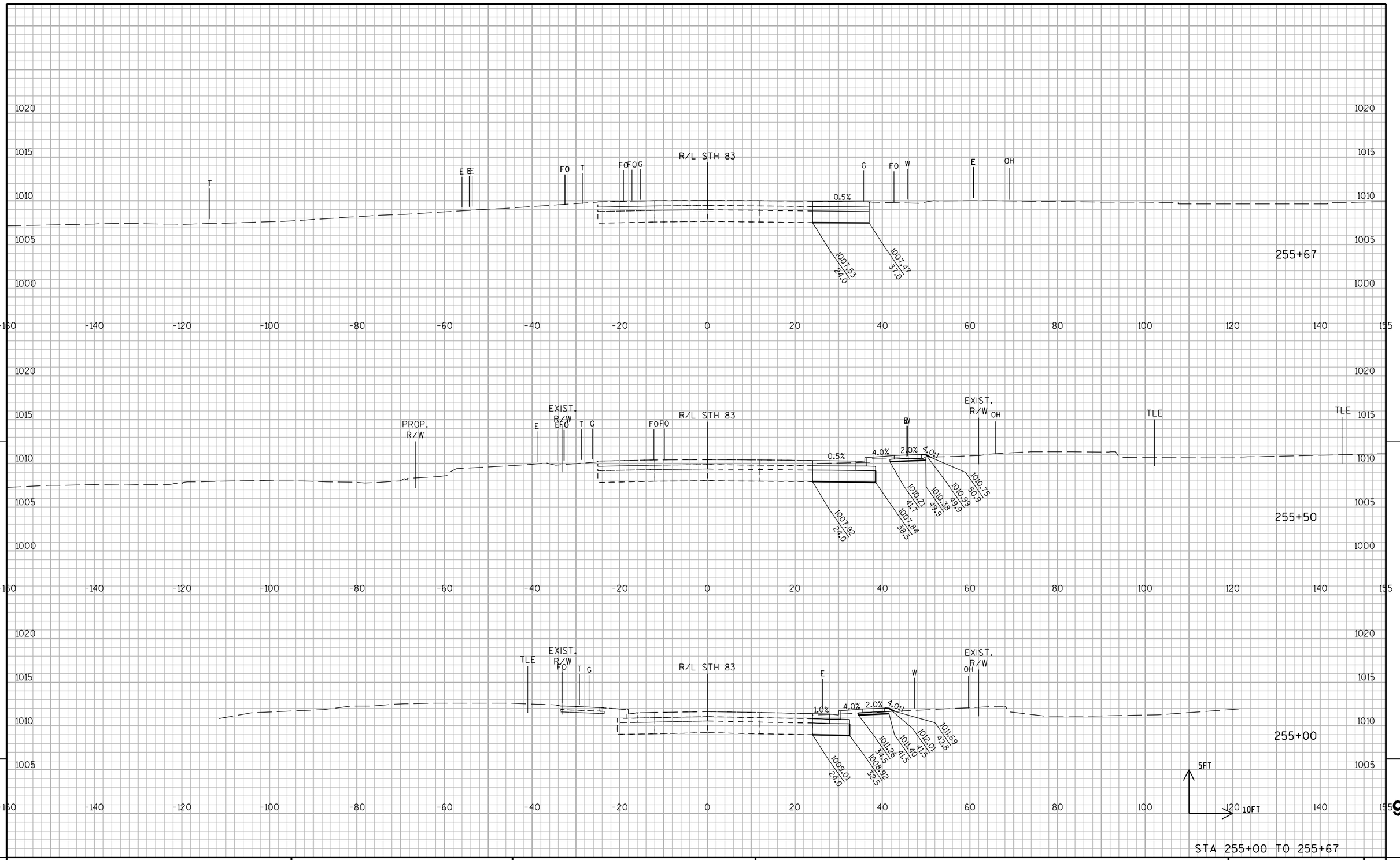
WISDOT/CADDS SHEET 21



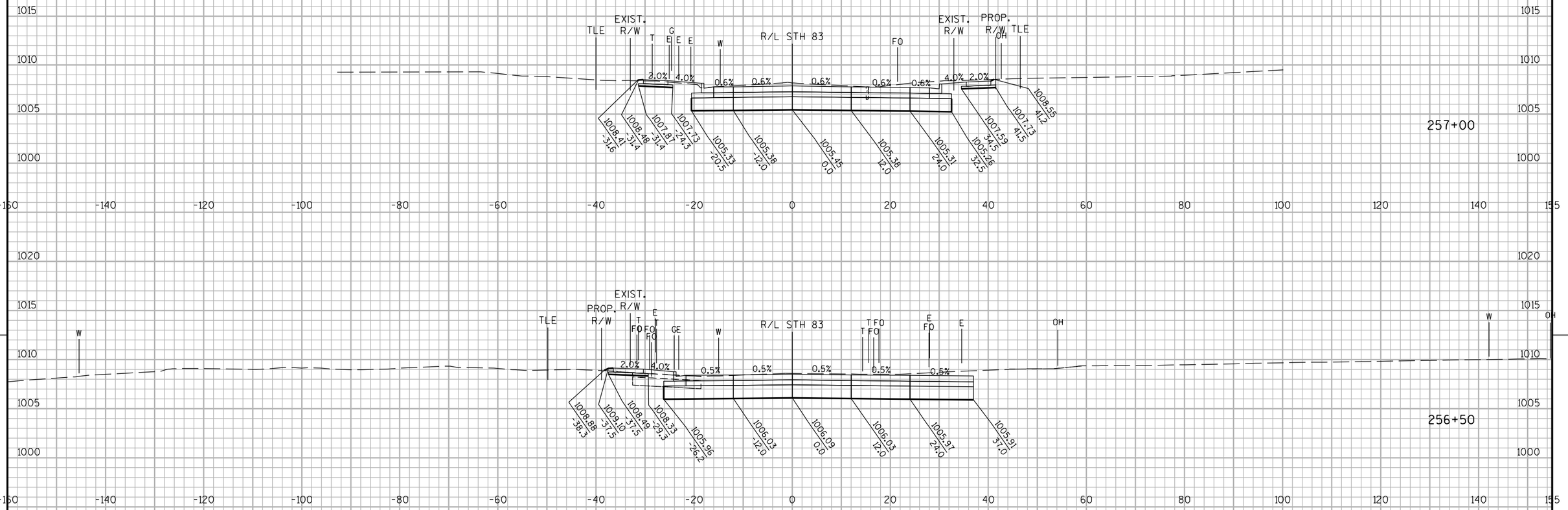
PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: STH 83 - STAGE 1D	SHEET 412	E

FILE NAME : $$....deEnfile....$$ PLOT DATE : 5/1/2015 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : 20.0000 ' / in.

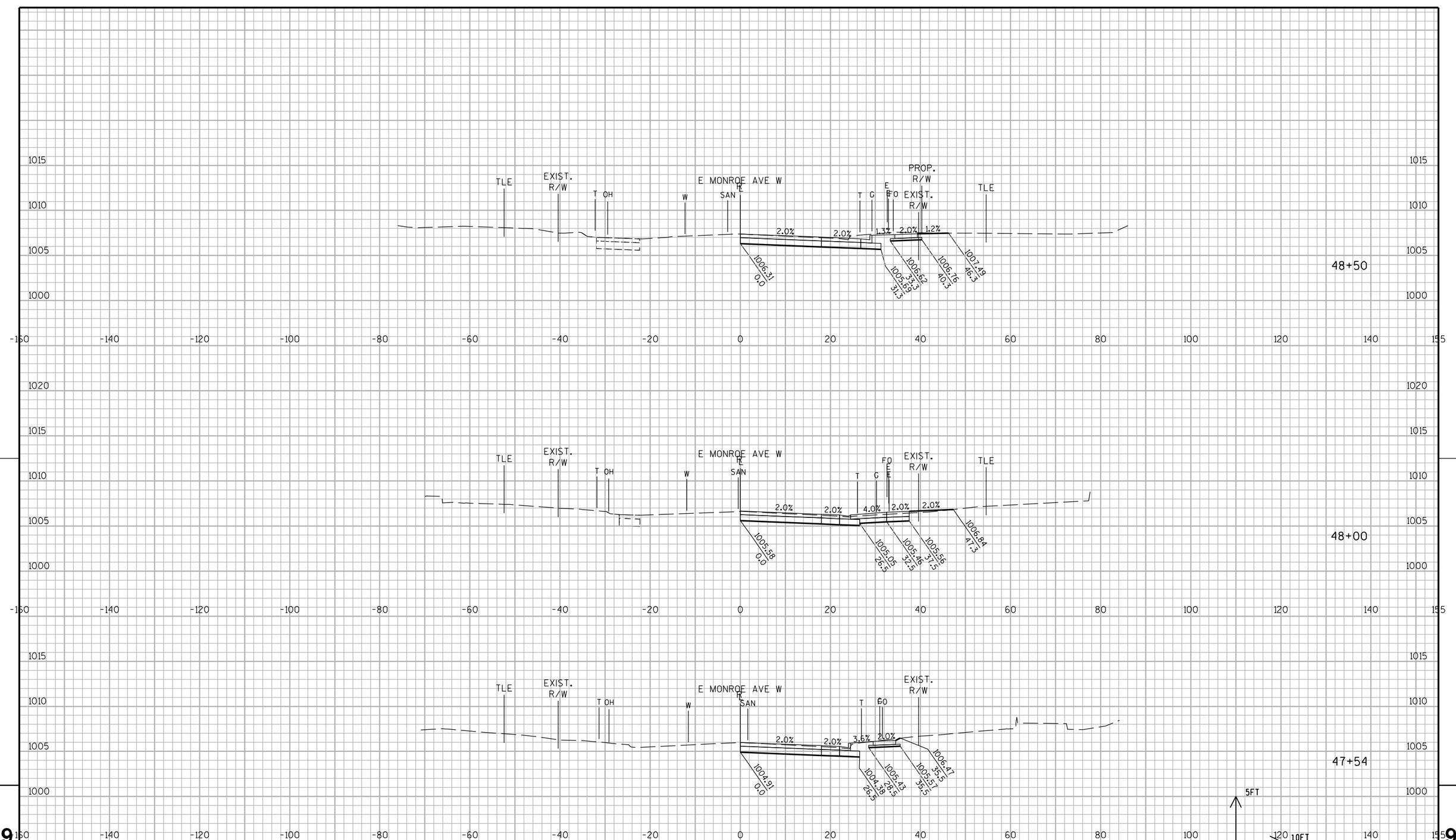
WISDOT/CADDS SHEET 21



PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: STH 83 - STAGE 1D	SHEET 413	E



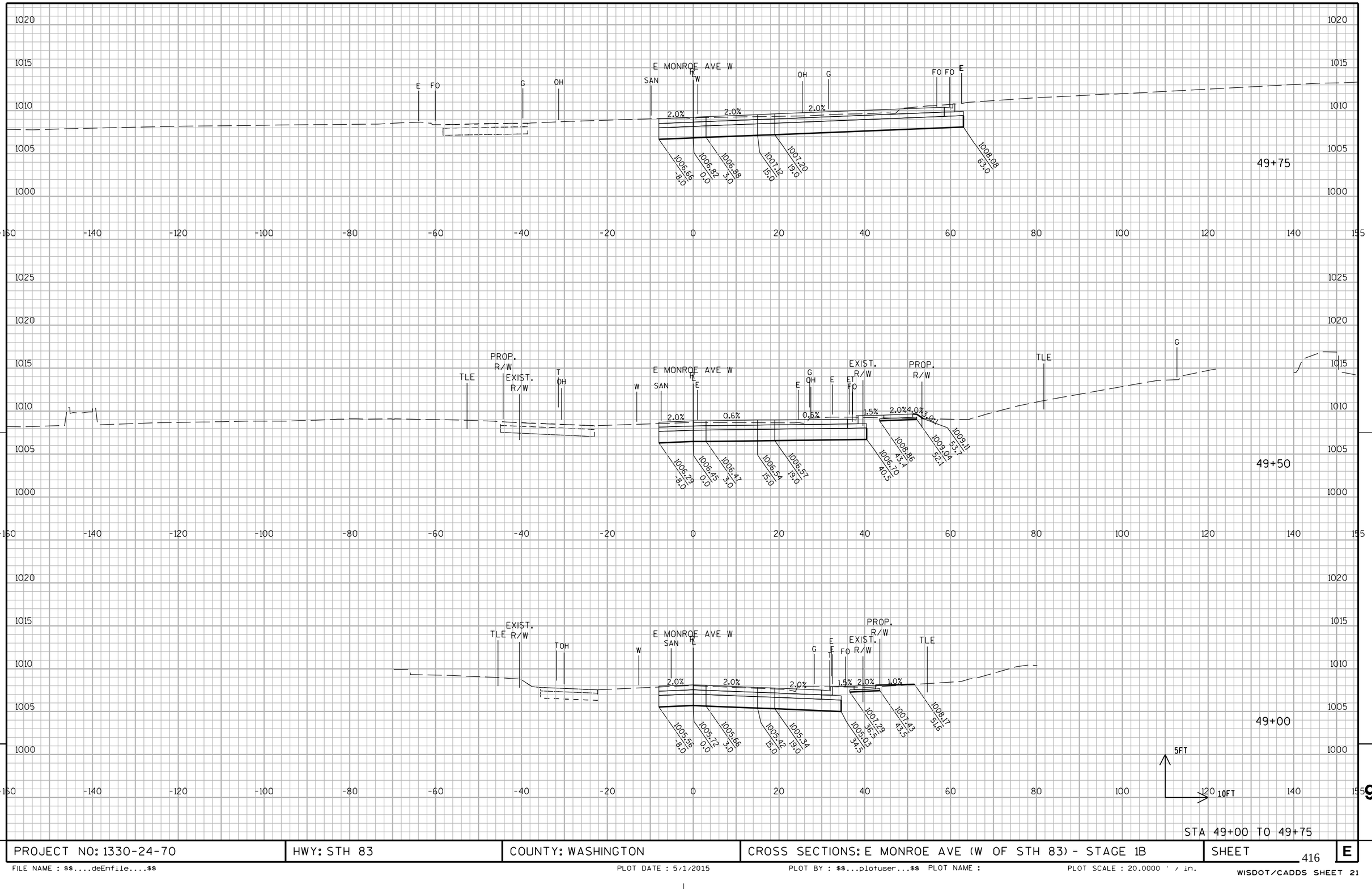
PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: STH 83 - STAGE 1D	SHEET 414	E



PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: E MONROE AVE (W OF STH 83) - STAGE 1B	SHEET 415	E

FILE NAME : $$....deEnfile....$$ PLOT DATE : 5/1/2015 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : 20.0000 ' / in.

WISDOT/CADDS SHEET 21



PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: E MONROE AVE (W OF STH 83) - STAGE 1B	SHEET 416	E

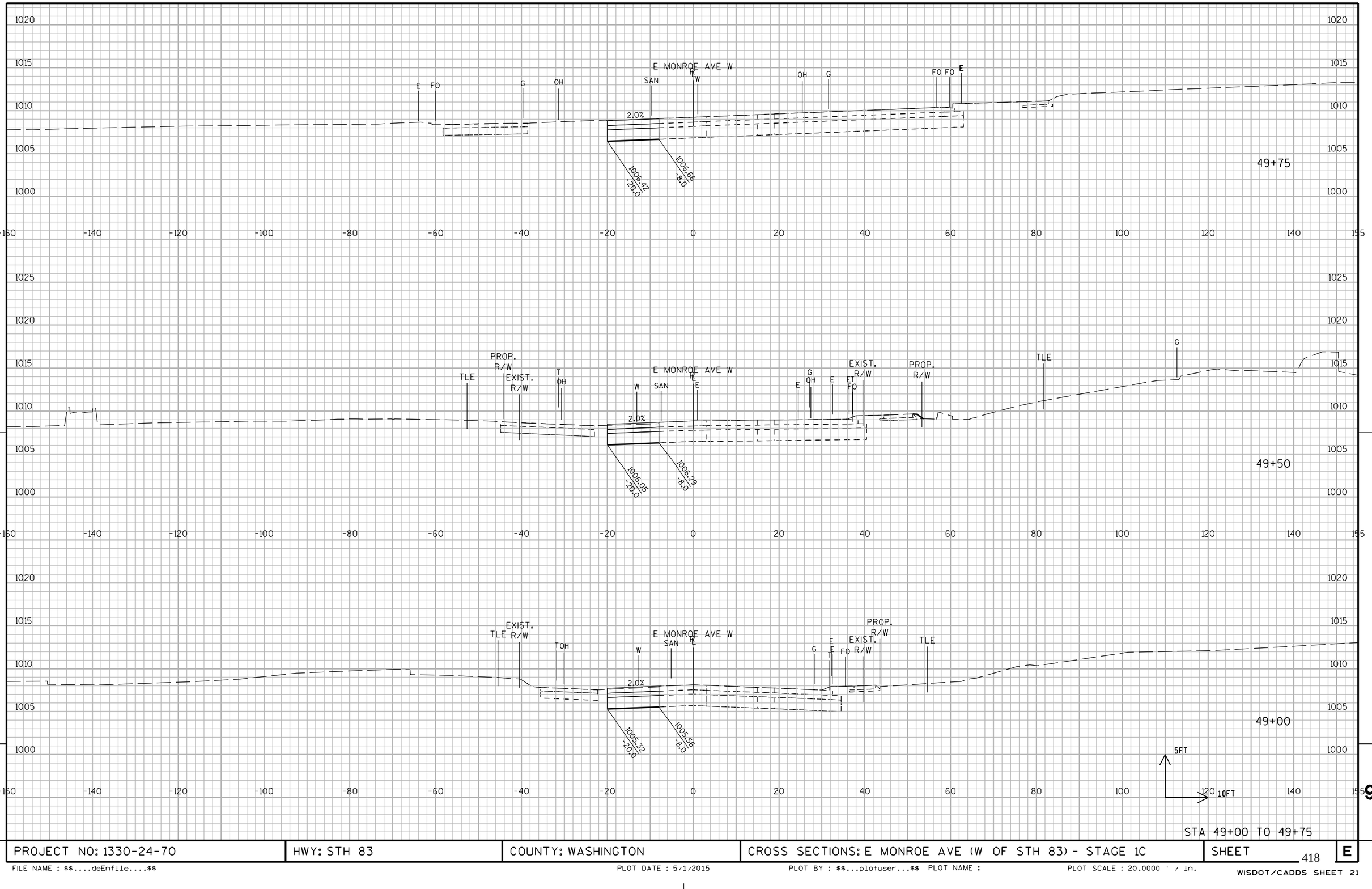
FILE NAME : $$....deEnfile....$$ PLOT DATE : 5/1/2015 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : 20.0000 ' / in.

WISDOT/CADDS SHEET 21

PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: E MONROE AVE (W OF STH 83) - STAGE 1C	SHEET 417	E

FILE NAME : $$....deEnfile....$$ PLOT DATE : 5/1/2015 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : 20.0000 ' / in.

WISDOT/CADDS SHEET 21



STA 49+00 TO 49+75

PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: E MONROE AVE (W OF STH 83) - STAGE 1C	SHEET 418	E

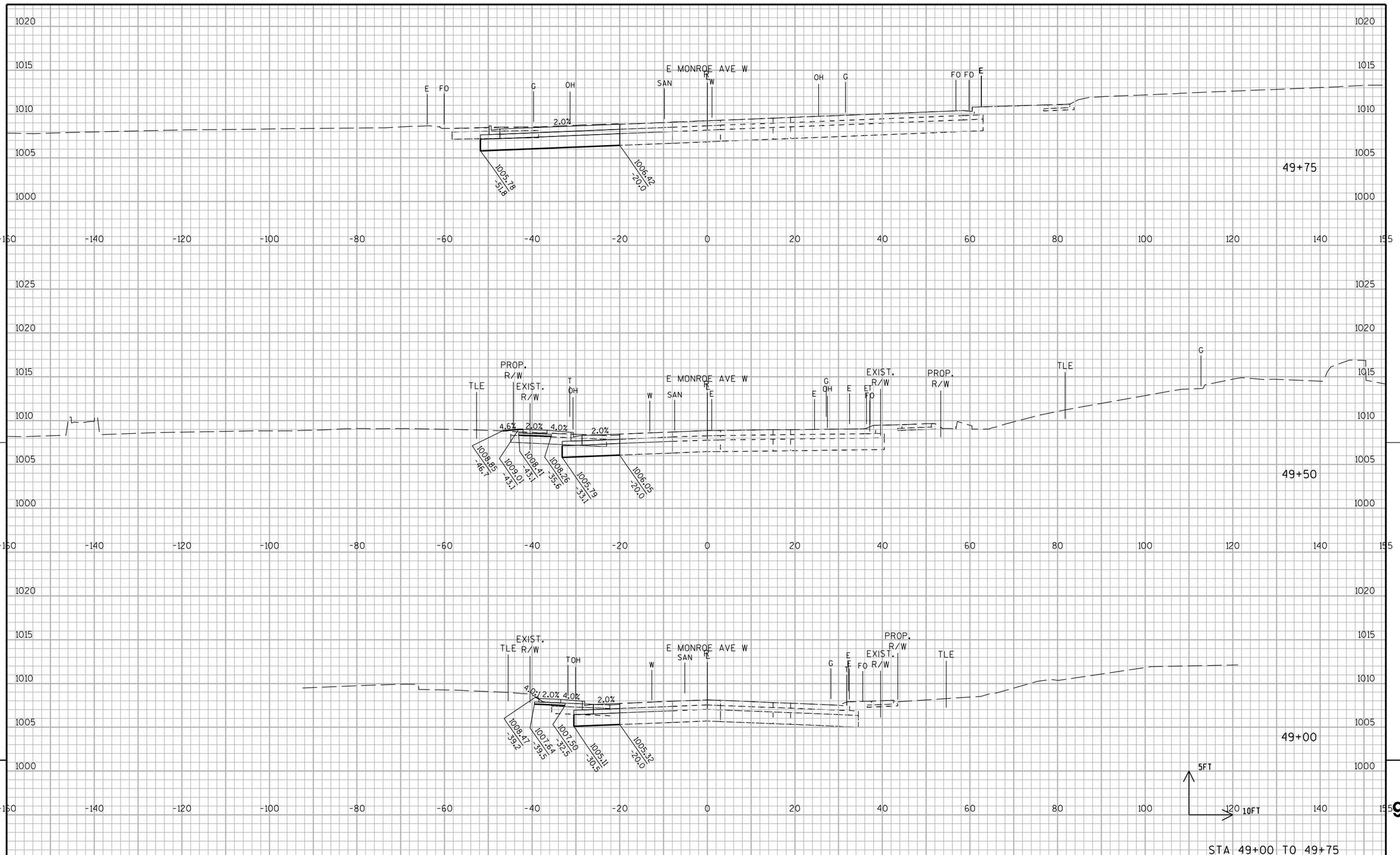
FILE NAME : $$....deEnfile....$$ PLOT DATE : 5/1/2015 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : 20.0000 ' / in.

WISDOT/CADDS SHEET 21

PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: E MONROE AVE (W OF STH 83) - STAGE 1D	SHEET 419	E

FILE NAME : $$....deEnfile....$$ PLOT DATE : 5/1/2015 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : 20.0000 ' / in.

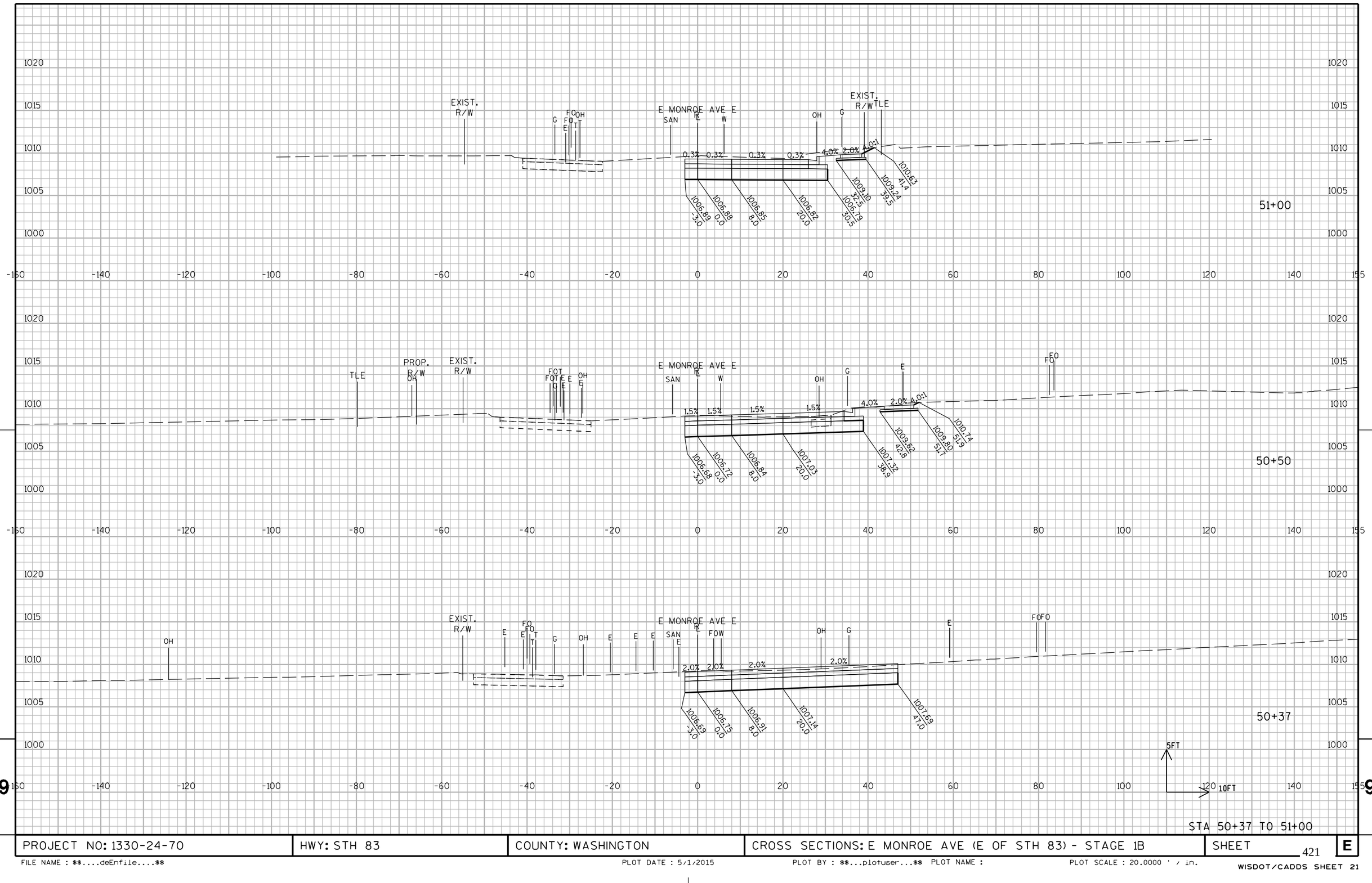
WISDOT/CADDS SHEET 21



PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: E MONROE AVE (W OF STH 83) - STAGE 1D	SHEET 420	E

FILE NAME : $$....deEnfile....$$ PLOT DATE : 5/1/2015 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : 20.0000 ' / in.

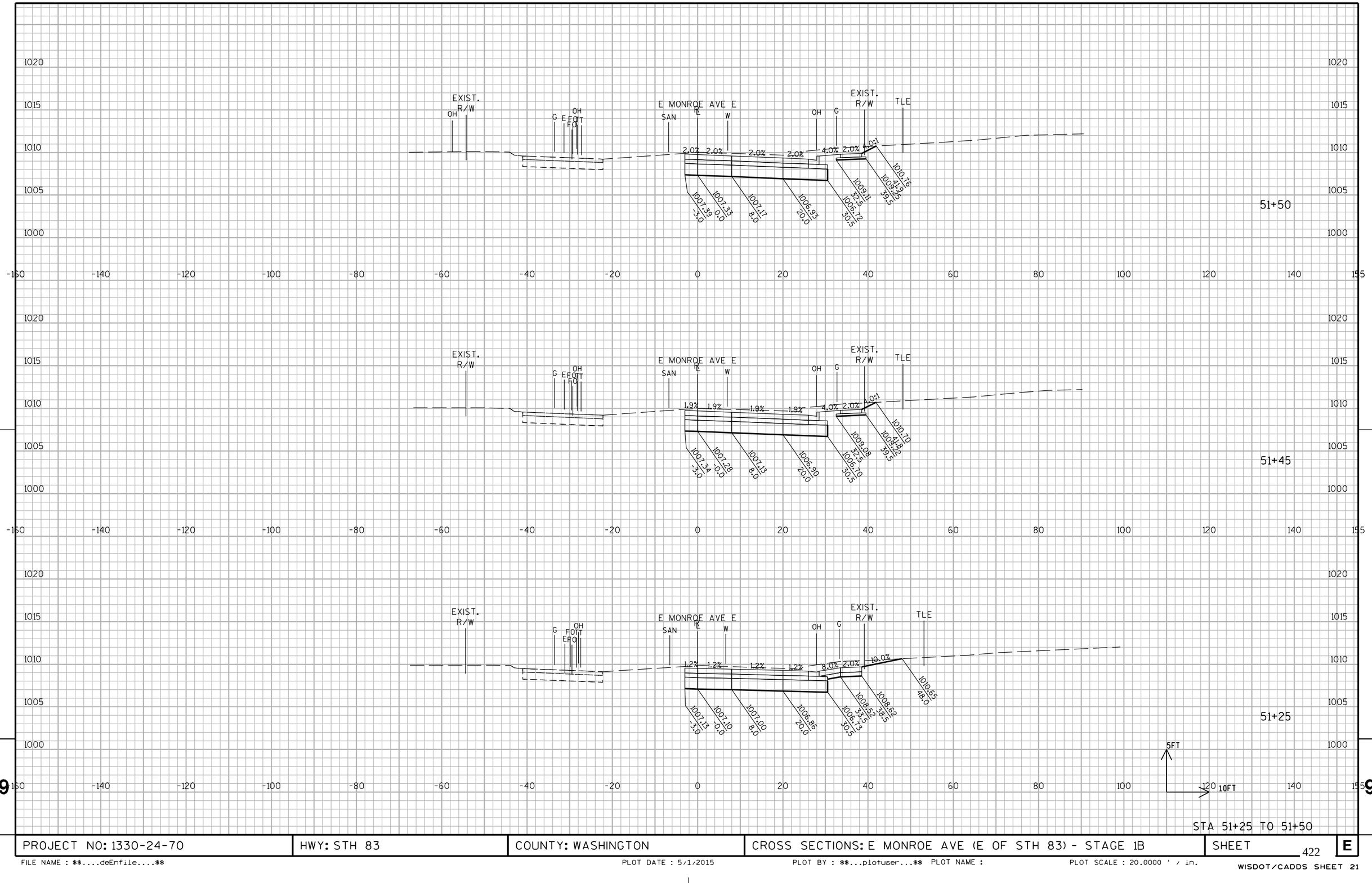
WISDOT/CADDS SHEET 21



PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: E MONROE AVE (E OF STH 83) - STAGE 1B	SHEET 421	E

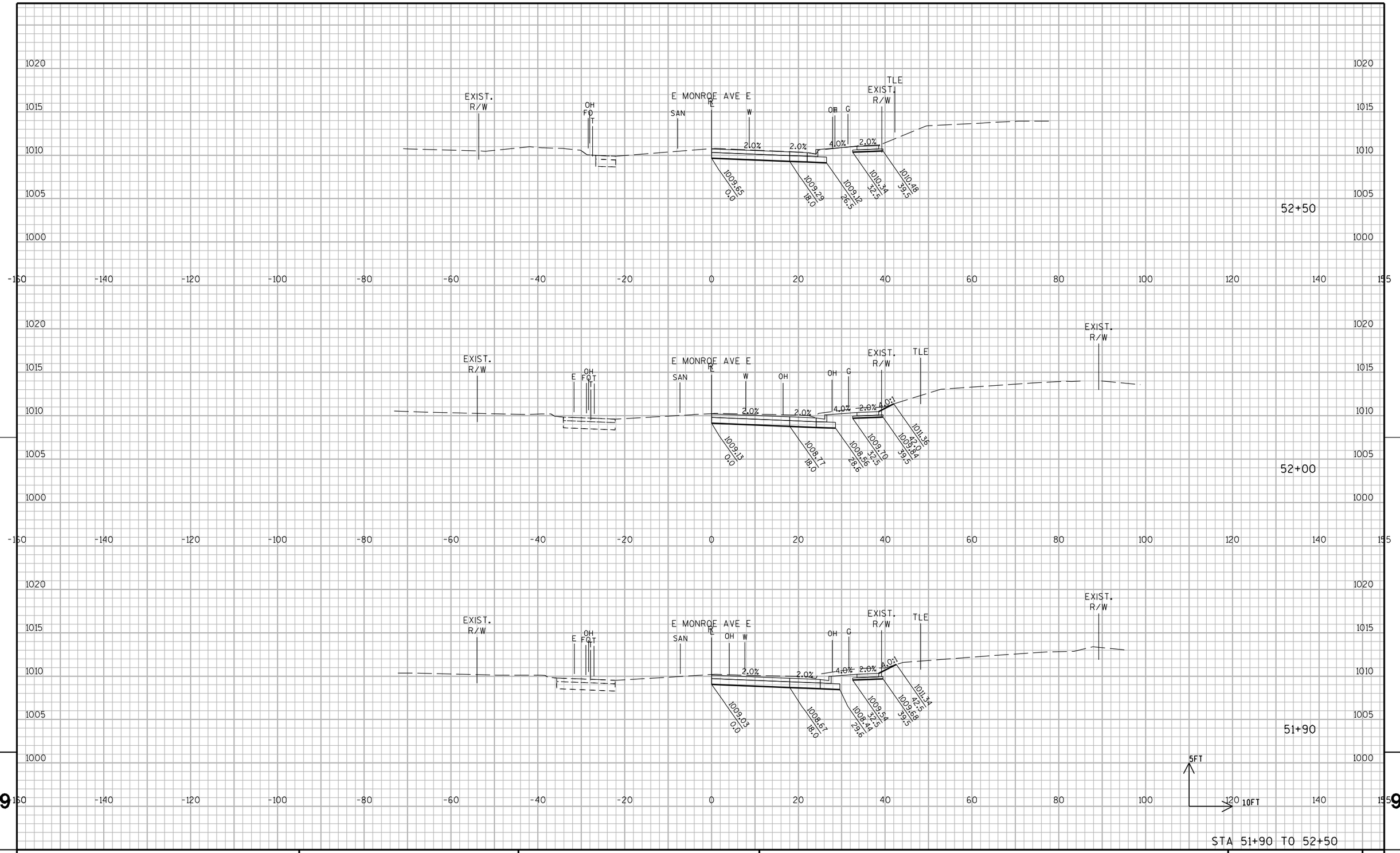
FILE NAME : $$....deEnfile....$$ PLOT DATE : 5/1/2015 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : 20.0000 ' / in.

WISDOT/CADDS SHEET 21



STA 51+25 TO 51+50

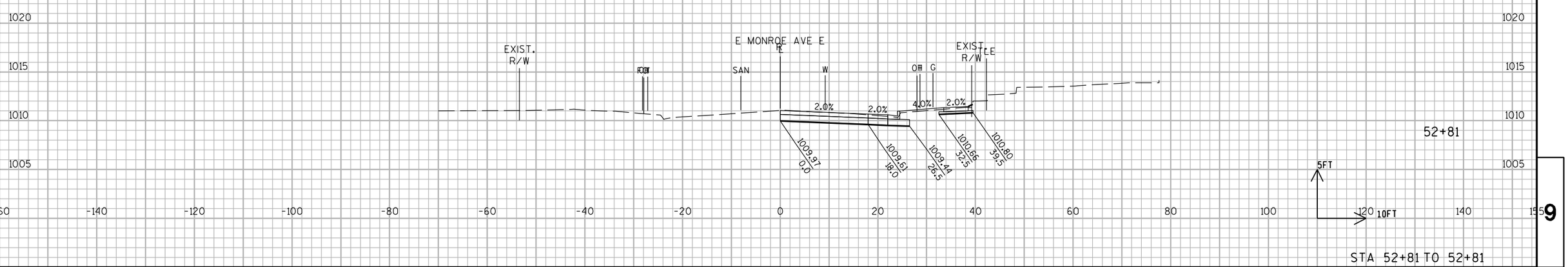
PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: E MONROE AVE (E OF STH 83) - STAGE 1B	SHEET 422	E



PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: E MONROE AVE (E OF STH 83) - STAGE 1B	SHEET 423	E

FILE NAME : $$....deEnfile....$$ PLOT DATE : 5/1/2015 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : 20.0000 ' / in.

WISDOT/CADDS SHEET 21



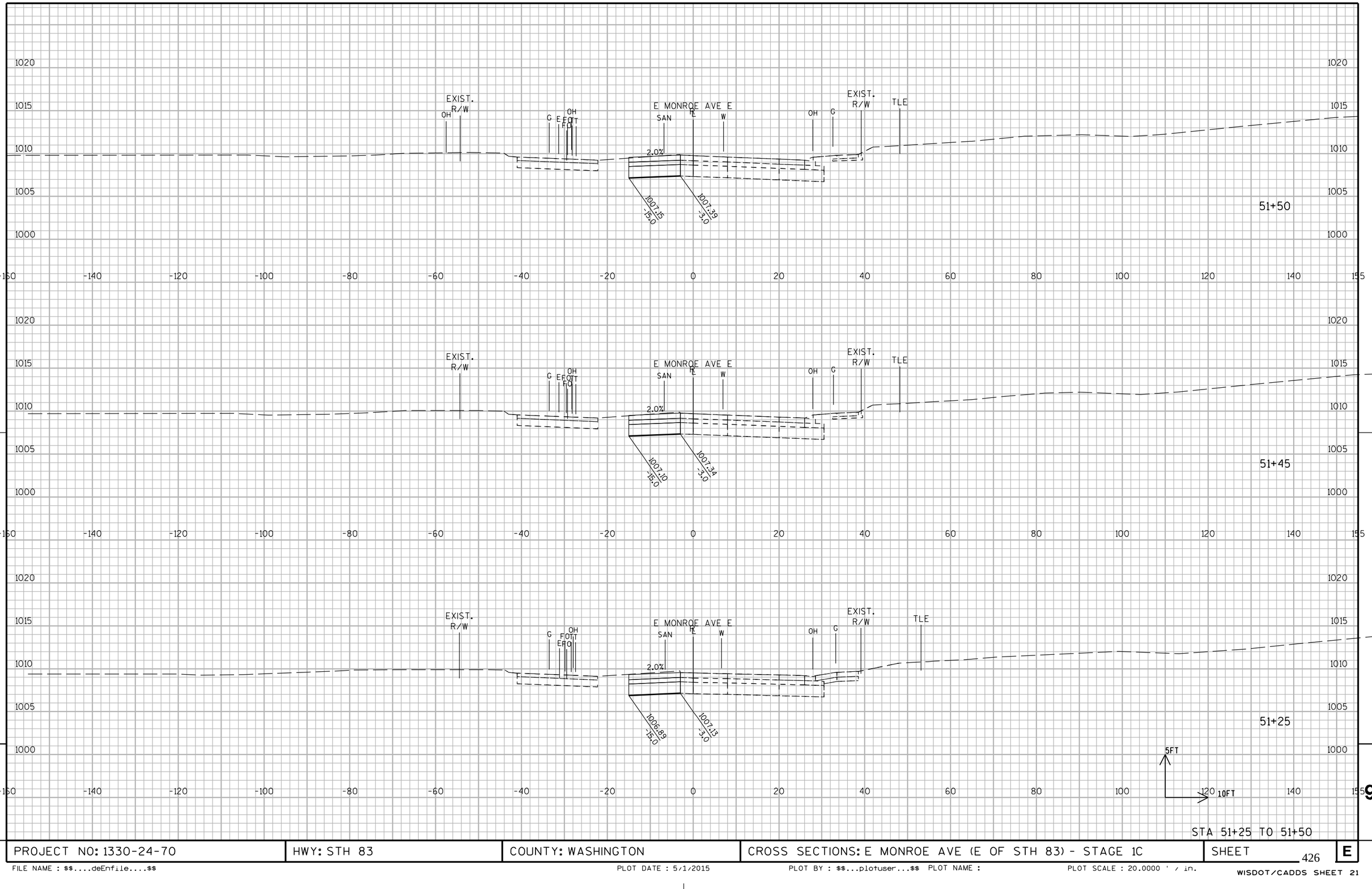
STA 52+81 TO 52+81

PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: E MONROE AVE (E OF STH 83) - STAGE 1B	SHEET 424	E

9

9

PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: E MONROE AVE (E OF STH 83) - STAGE 1C	SHEET 425	E

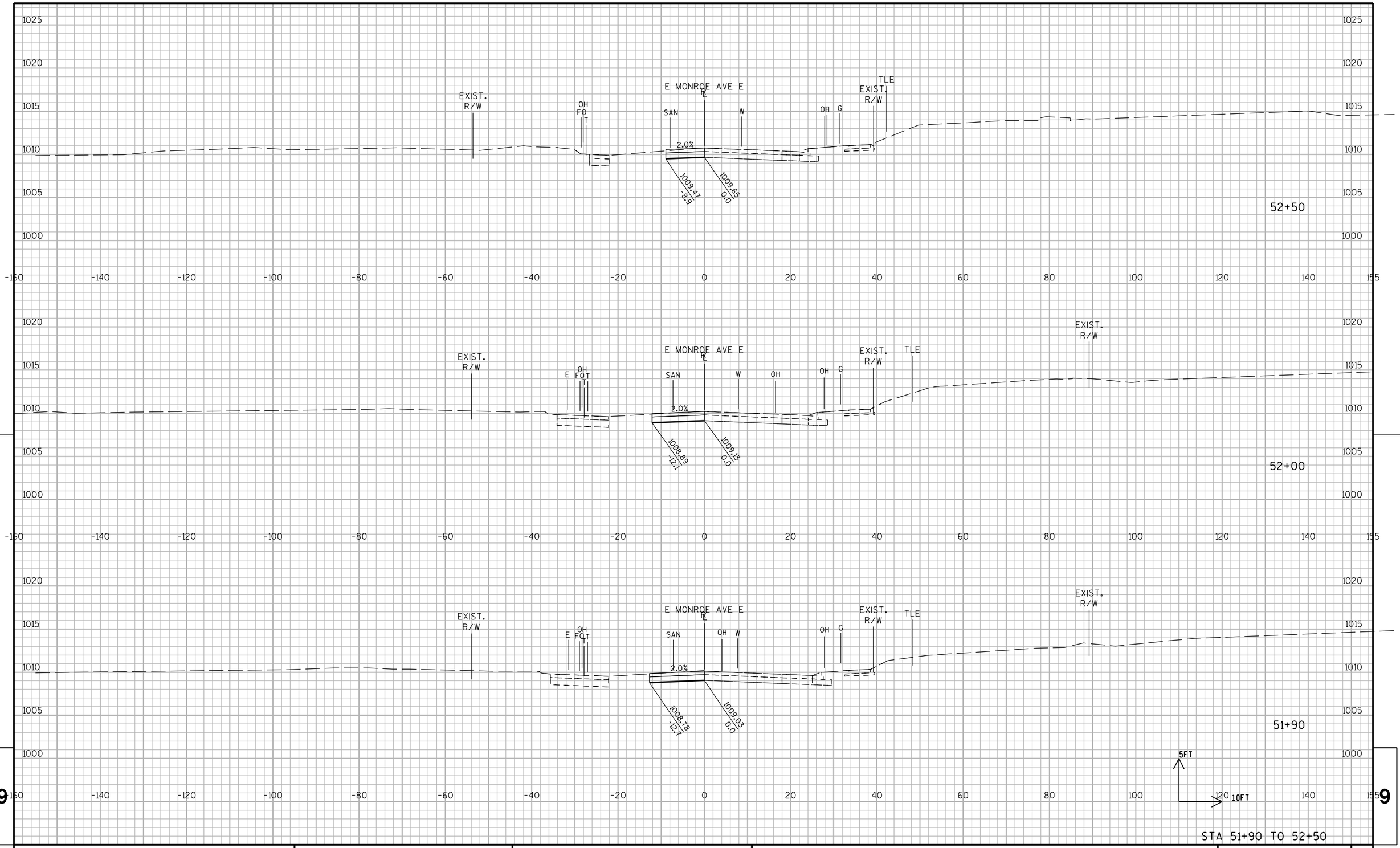


STA 51+25 TO 51+50

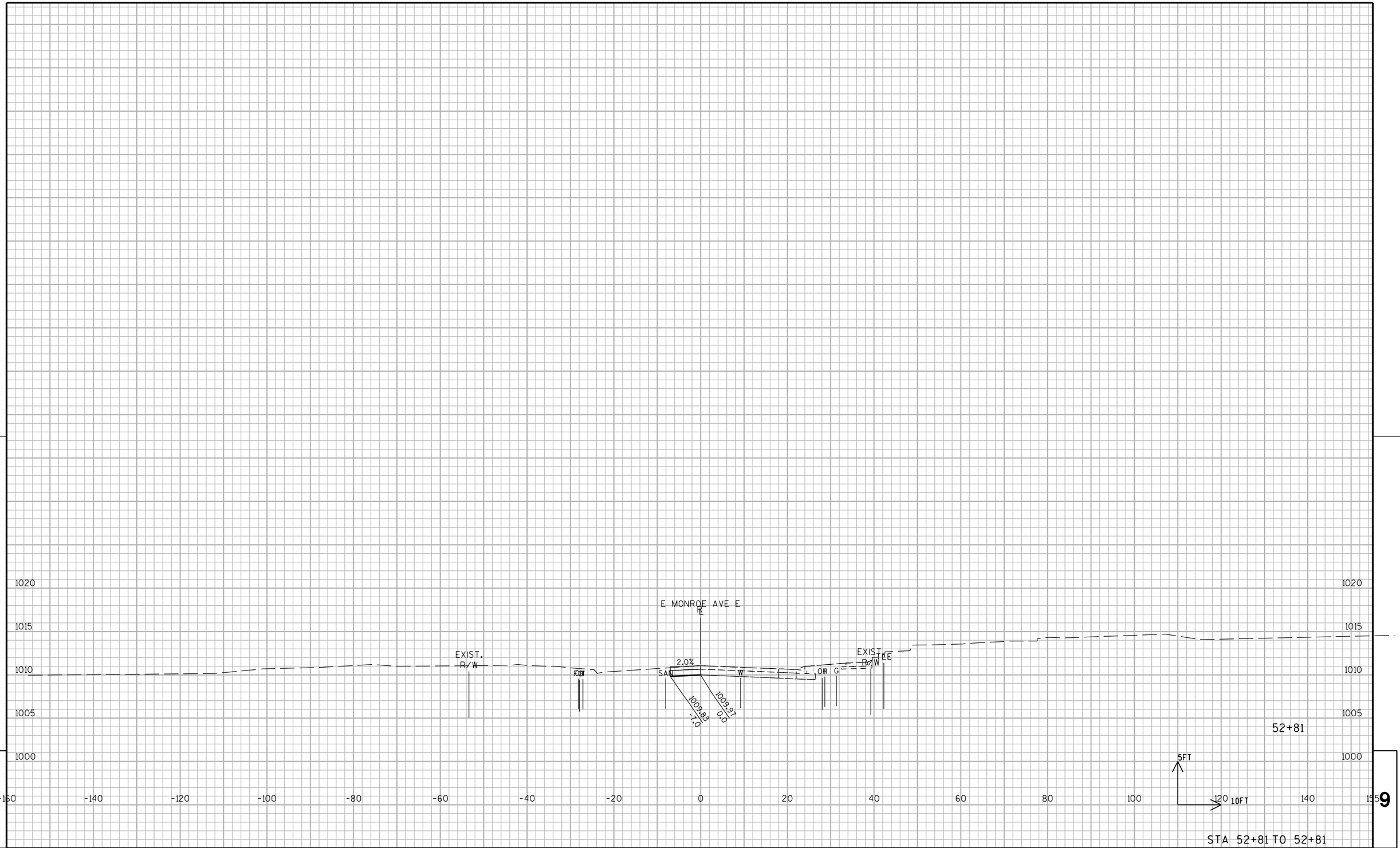
PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: E MONROE AVE (E OF STH 83) - STAGE 1C	SHEET 426	E

FILE NAME : $$....deEnfile....$$ PLOT DATE : 5/1/2015 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : 20.0000 ' / in.

WISDOT/CADDS SHEET 21



PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: E MONROE AVE (E OF STH 83) - STAGE 1C	SHEET 427	E

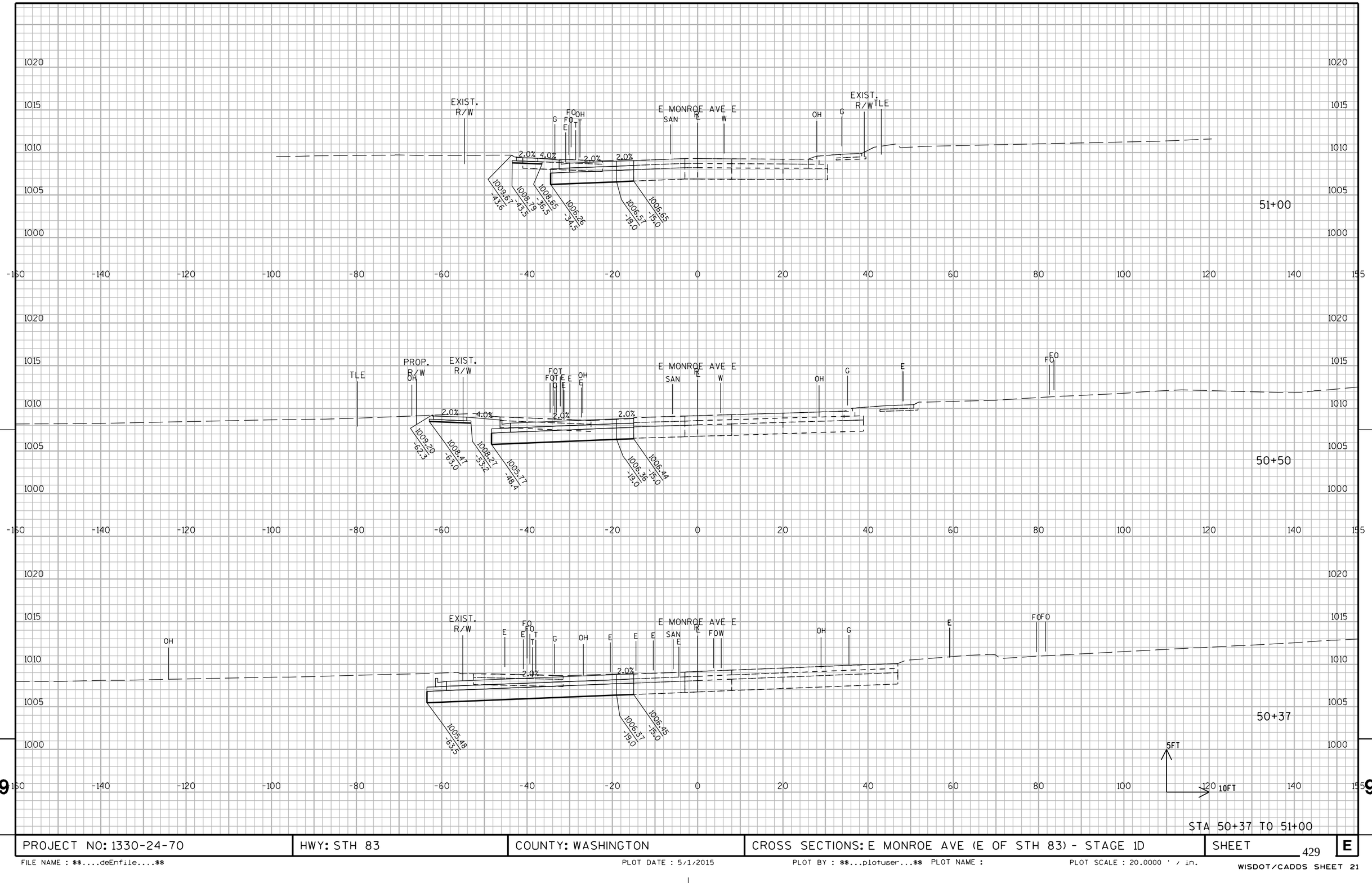


STA 52+81 TO 52+81

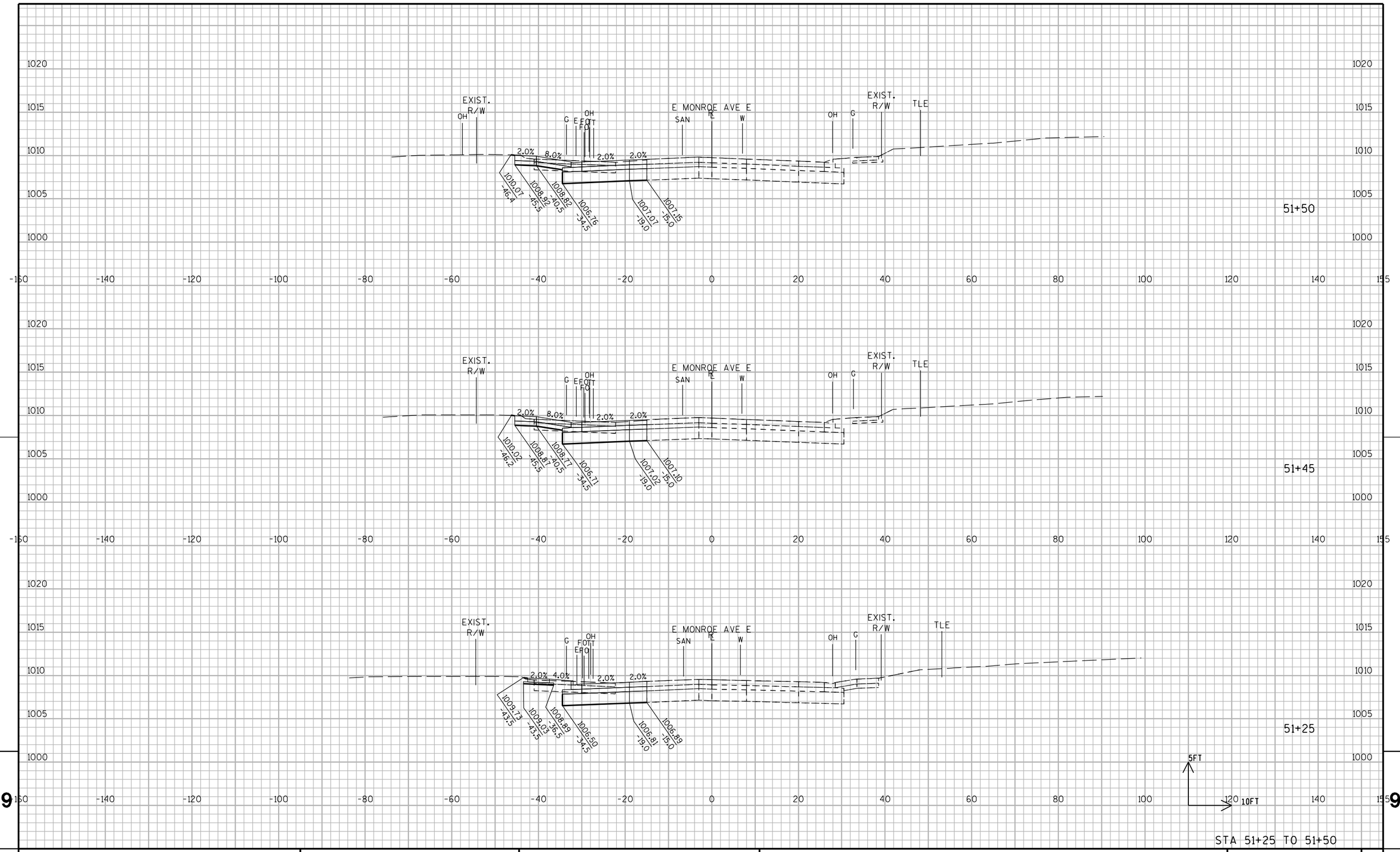
PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: E MONROE AVE (E OF STH 83) - STAGE 1C	SHEET 428	E

FILE NAME : $$....deEnfile....$$ PLOT DATE : 5/1/2015 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : 20.0000 ' / in.

WISDOT/CADDS SHEET 21



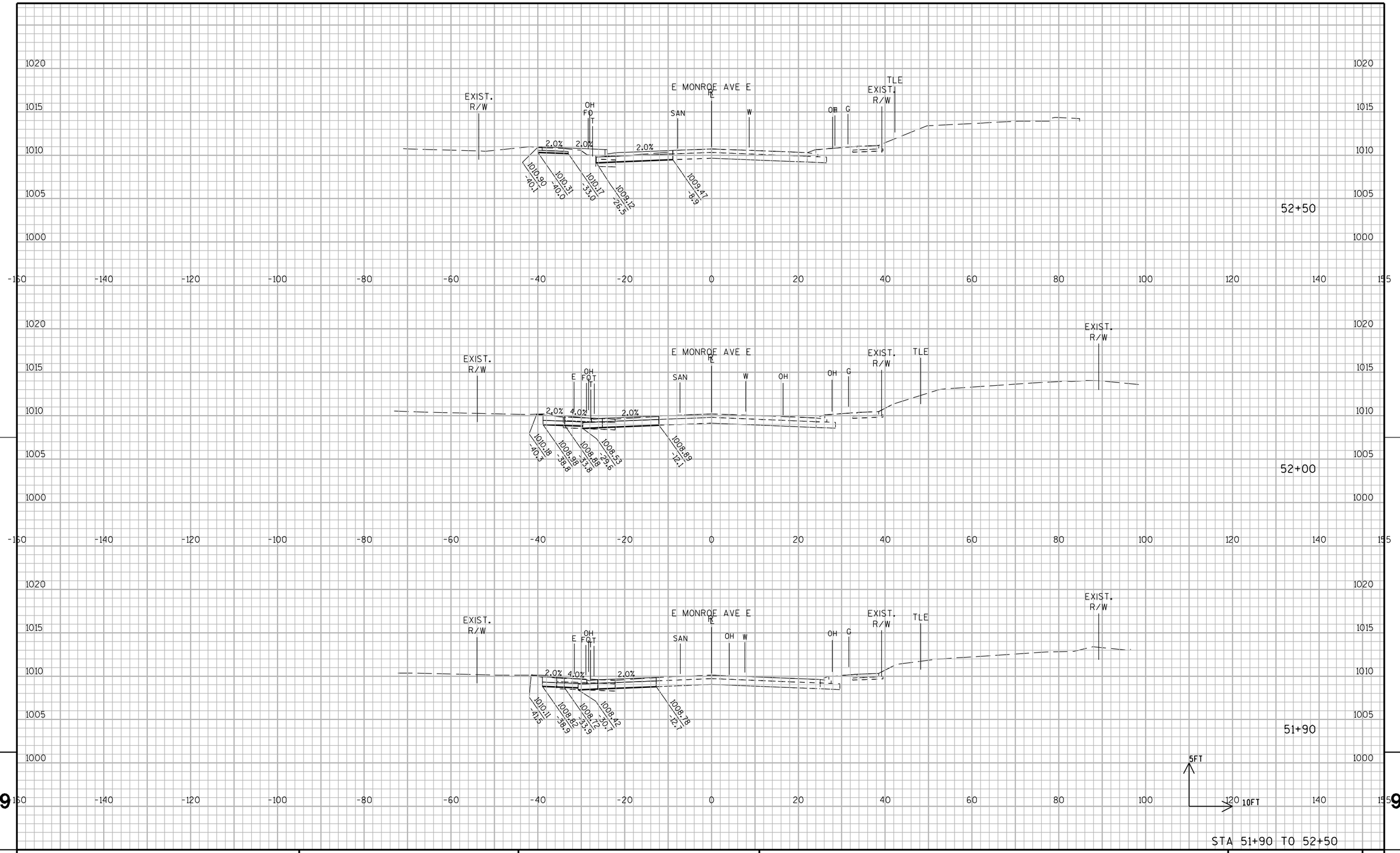
PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: E MONROE AVE (E OF STH 83) - STAGE 1D	SHEET 429	E



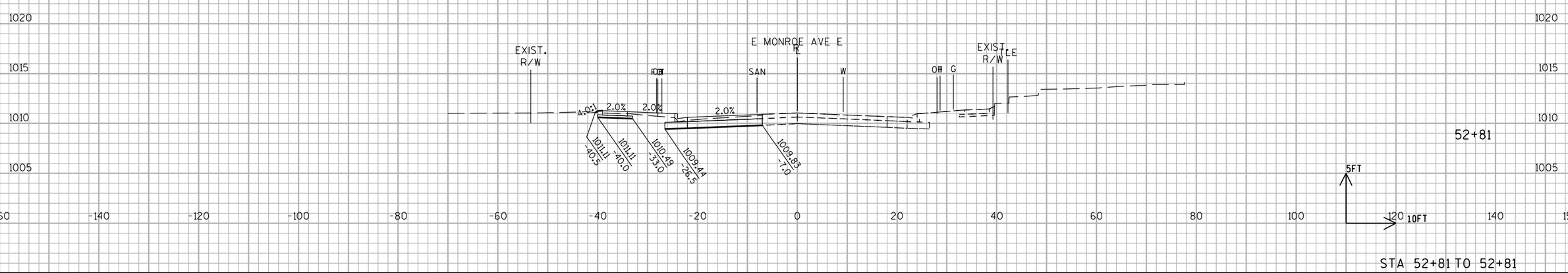
PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: E MONROE AVE (E OF STH 83) - STAGE 1D	SHEET 430 E

FILE NAME : $$....deEnfile....$$ PLOT DATE : 5/1/2015 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : 20.0000 ' / in.

WISDOT/CADDS SHEET 21



PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: E MONROE AVE (E OF STH 83) - STAGE 1D	SHEET 431	E



STA 52+81 TO 52+81

PROJECT NO: 1330-24-70	HWY: STH 83	COUNTY: WASHINGTON	CROSS SECTIONS: E MONROE AVE (E OF STH 83) - STAGE 1D	SHEET 432	E

Notes

Wisconsin Department of Transportation

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