GRE

MARCH 2019

PROJECT ID: 4987-02-65

COUNTY: BROWN

38

ORDER OF SHEETS

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

TOTAL SHEETS = 310

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
4987-02-65	WISC 2019171	1

C GREEN BAY, WEBSTER AVE

UNIVERSITY AVE TO RADISSON ST

LOCAL STREET

BROWN COUNTY

STATE PROJECT NUMBER
4987-02-65

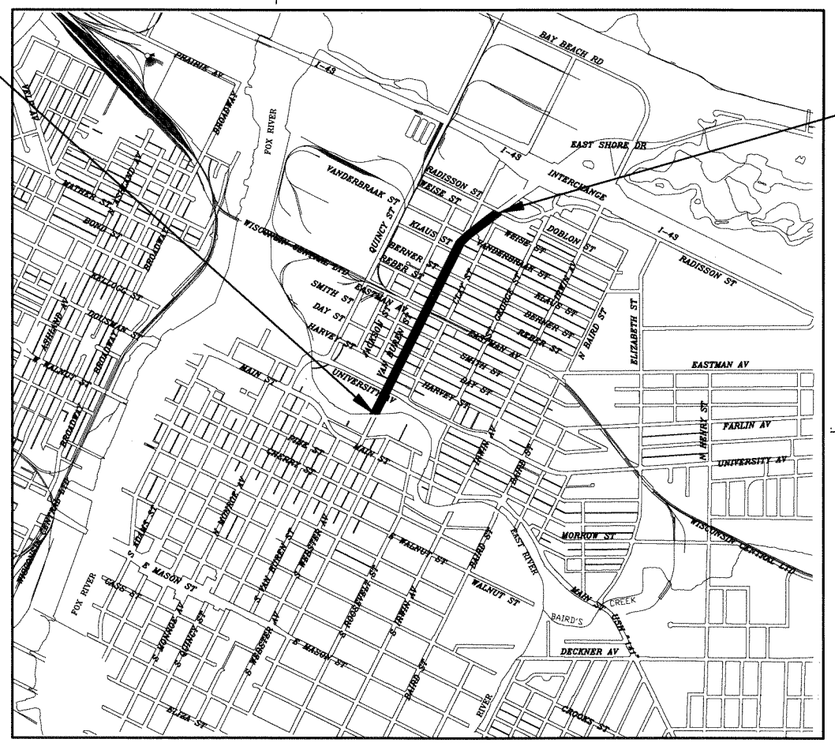
PROJECT LOCATION



N

BEGIN PROJECT
STA. 10+32.86
Y=567318.252
X=103236.466

END PROJECT
STA. 54+75


R 20 E
R 21 E
T 24 N
T 23 N
PRAIRIE AV
BROADWAY
FOX RIVER
I-43
BAY BEACH RD
EAST SHORE DR
INTERCHANGE
VANDERBRAAK ST
QUINCY ST
RADISSON ST
WEISE ST
KLAUS ST
BERNER ST
DOBSON ST
SMITH ST
DAY ST
HARVEY ST
MICHIGAN AV
MAIN ST
UNIVERSITY AV
EASTMAN AV
FARLIN AV
ELIZABETH ST
N BAIRD ST
N WEBSTER AV
WISCONSIN CENTRAL LTD
WORROW ST
WALNUT ST
EAST RIVER
MAIN ST CREEK
BAIRD'S
DECKNER AV
S MASON ST
S ROOSEVELT ST
S IRWIN AV
S WEBSTER AV
BAIRD ST
S MONROE AV
S QUINCY ST
S VAN BUREN ST
S TAFT AV
S TAYLOR ST
S OAKLEY ST
S GEORGE ST
S CLARK ST
S HOWARD AV
S ADAMS ST
S MADISON ST
S JEFFERSON ST
S WASHINGTON ST
S MONROE

GENERAL NOTES

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

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

FILL, AS SHOWN ON THE PLAN SHEETS, PERTAINS TO EMBANKMENT CONSTRUCTED FROM EXCAVATION COMMON. THE FACTOR USED FOR EXPANDING THE FILLS TO COMPUTE THE VOLUME OF MATERIAL REQUIRED IS 1.30.

EXCAVATION BELOW SUBGRADE (EBS) WILL BE MEASURED AND PAID FOR AS EXCAVATION COMMON. THE LOCATION FOR EBS WILL BE DETERMINED BY THE ENGINEER IN THE FIELD.

THE EXACT LOCATION AND WIDTH OF PRIVATE ENTRANCES WILL BE DETERMINED IN THE FIELD BY THE ENGINEER. ALL DRIVEWAYS ARE TO BE REPLACED IN KIND UNLESS OTHERWISE DIRECTED BY THE ENGINEER OR AS SHOWN ON THE PLANS. BASE AGGREGATE DENSE 1 1/4-INCH WILL BE USED UNDER ALL DRIVEWAYS.

THE REMOVAL OF ASPHALT DRIVEWAYS WILL BE PAID FOR AS EXCAVATION COMMON.

MAINTAIN DRIVING SURFACE TO ALL PROPERTY OWNERS WITH BASE AGGREGATE DENSE 1 1/4-INCH.

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

SAW CUT LOCATIONS SHOWN ON THE PLAN ARE SUBJECT TO ADJUSTMENT BY THE ENGINEER IN THE FIELD. THE LINE OF SUCH SAW CUTS WILL BE NEATLY DELINEATED THROUGH THE ASPHALT AND/OR CONCRETE STREETS, DRIVEWAYS AND/OR PARKING LOTS AT THE MATCH LINE AS SHOWN ON THE PLAN DETAILS OR AS DIRECTED BY THE ENGINEER WITHOUT ANY DAMAGE TO THE REMAINING PORTION OF THE EXISTING PAVEMENT.

PRIOR TO ORDERING DRAINAGE PIPES AND STRUCTURES, VERIFY RELATED DRAINAGE INFORMATION IN THE PLAN AND PROVIDE DOCUMENTATION TO THE ENGINEER.

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

EROSION CONTROL MEASURES WILL BE PLACED AS SHOWN ON THE EROSION CONTROL PLAN. THE EXACT LOCATIONS TO BE DETERMINED BY THE ENGINEER. REMOVAL OF ITEMS ARE INCIDENTAL TO THE RESPECTIVE EROSION CONTROL BID ITEM COSTS.

NO TREES OR SHRUBS SHALL BE REMOVED WITHOUT APPROVAL BY THE ENGINEER. FINAL LIMITS OF FENCE REMOVAL TO BE DETERMINED BY THE ENGINEER.

RESHAPE AND SEEDING OF ANY PREVIOUSLY GRASSED AREAS WHICH ARE DISTURBED BY OPERATIONS OUTSIDE OF THE ENGINEER DETERMINED CONSTRUCTION LIMITS ARE INCIDENTAL TO THE CONTRACT.

DO NOT USE FERTILIZER WITHIN 20 FEET OF NAVIGABLE WATERWAYS OR WETLANDS.

STATIONING, DISTANCES, AND OFFSETS FOR SIGNS AND TRAFFIC CONTROL DEVICES SHOWN IN THE PLANS ARE APPROXIMATE. EXACT LOCATIONS ARE DETERMINED BY THE ENGINEER.

COVER ALL SIGNS IN CONFLICT WITH TRAFFIC CONTROL "IN USE" AS SHOWN IN THE PLANS OR DIRECTED BY THE ENGINEER.

LIMITS OF SIDEWALK REMOVAL AND REPLACEMENT WILL BE DETERMINED BY THE ENGINEER IN THE FIELD.

THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING MOTORISTS AND PEDESTRIANS THAT MAY ENTER THE WORK ZONE FROM POSSIBLE HAZARD.

CURB AND GUTTER ELEVATIONS ARE ALONG THE FLANGE LINE UNLESS OTHERWISE NOTED.

RADIUS POINTS, UNLESS OTHERWISE NOTED, ARE TO FACE OF CURB.

CURVE DATA IS BASED ON ARC DEFINITION.

BEARINGS SHOWN ON THIS PLAN ARE TRUE BEARINGS.

PROPERTY LINES SHOWN ARE APPROXIMATE.

ELEVATIONS SHOWN ON THE PLAN ARE REFERENCED TO THE CITY OF GREEN BAY VERTICAL DATUM (BAY DATUM).

CONCRETE DEPTH ON ALL CURB RAMPS AND SIDEWALK ADJACENT TO THE CURB IN THE RADIUS SHALL BE 8-INCH.

ANY DOWEL BARS, TIE BARS, REINFORCEMENT, OR TERMINAL ANCHORS, FOUND IN EXISTING PAVEMENT WILL BE INCIDENTAL TO THE ITEM "REMOVING PAVEMENT".

PROTECT EXISTING ASPHALT ON STREETS OUTSIDE OF PROPOSED SAW CUTS. ANY DAMAGE DURING CONSTRUCTION UNDER THIS CONTRACT SHALL BE REPAIRED OR REPLACED AT CONTRACTOR'S EXPENSE.

RUNOFF COEFFICIENT TABLE

	HYDROLOGIC SOIL GROUP											
	A			B			C			D		
	SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)		
LAND USE:	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER
ROW CROPS	.08 .22	.16 .30	.22 .38	.12 .26	.20 .34	.27 .44	.15 .30	.24 .37	.33 .50	.19 .34	.28 .41	.38 .56
MEDIAN STRIP-TURF	.19 .24	.20 .26	.24 .30	.19 .25	.22 .28	.26 .33	.20 .26	.23 .30	.30 .37	.20 .27	.25 .32	.30 .40
SIDE SLOPE-TURF			.25 .32			.27 .34			.28 .36			.30 .38
PAVEMENT:												
ASPHALT	.70 - .95											
CONCRETE	.80 - .95											
BRICK	.70 - .80											
DRIVES, WALKS	.75 - .85											
ROOFS	.75 - .95											
GRAVEL ROADS, SHOULDERS	.40 - .60											

TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 9.81 ACRES
SOIL GROUP C

ORDER OF SECTION 2 SHEETS

GENERAL NOTES & CONTACTS
TYPICAL SECTIONS
CONSTRUCTION DETAILS
PLAN DETAILS
PAVING DETAILS
EROSION CONTROL
STORM SEWER
LIGHTING
TRAFFIC SIGNALS
PAVEMENT MARKING
DETOUR PLANS
STAGE CONSTRUCTION
ALIGNMENT DIAGRAMS

STANDARD ABBREVIATIONS

ABUT	ABUTMENT
AC	ACRE
AGG	AGGREGATE
AH	AHEAD
ET AL	AND OTHERS
BK	BACK
BLDG	BUILDING
BLK	BLOCK
BR	BRIDGE
CB	CATCH BASIN
CL OR C/L	CENTER LINE
CE	COMMERCIAL ENTRANCE
CONC	CONCRETE
CPCA	CULVERT PIPE CORRUGATED ALUMINUM
CPCS	CULVERT PIPE CORRUGATED STEEL
CTH	COUNTY TRUNK HIGHWAY
CR	CREEK
CP	CULVERT PIPE
C & G	CURB AND GUTTER
D	DEGREE OF CURVE
DHV	DESIGN HOUR VOLUME
DIA	DIAMETER
DWY OR DW	DRIVEWAY
E	EAST
X	EAST GRID COORDINATE
EB OR EBND	EASTBOUND
EL OR ELEV	ELEVATION
ENT	ENTRANCE
ESALS	EQUIVALENT SINGLE AXLE LOADS
EXIST OR EX	EXISTING
FF OR F-F	FACE TO FACE
FE	FIELD ENTRANCE
FG	FINISHED GRADE
FT	FOOT
INL	INLET
INV	INVERT
IP	IRON PIPE OR PIN
LT	LEFT
L	LENGTH OF CURVE
LIN FT OR LF	LINEAR FOOT
MH	MANHOLE
NC	NORMAL CROWN
NW OR N/W	NORMAL WATER
N	NORTH
Y	NORTH GRID COORDINATE
NB OR NBND	NORTHBOUND
PT	POINT
PCC	POINT OF COMPOUND CURVE
PC	POINT OF CURVATURE
PI	POINT OF INTERSECTION
PRC	POINT OF REVERSE CURVATURE
PT	POINT OF TANGENCY
POC	POINT ON CURVE
POT	POINT ON TANGENT
RR	RAILROAD
RL OR R/L	REFERENCE LINE
REBAR	REINFORCEMENT BAR
REQ'D	REQUIRED
R/W	RIGHT-OF-WAY
R	RADIUS
S	SOUTH
SB OR SBND	SOUTHBOUND
STH	STATE TRUNK HIGHWAYS
STA	STATION
SS	STORM SEWER
SE	SUPER ELEVATION
SURF	SURFACE
T	TANGENT
TYP	TYPICAL
WB OR WBND	WESTBOUND

AB	ANCHOR BOLT
ABV	ABOVE
ADJ	ADJUST
AFF	ABOVE FINISHED FLOOR
AL	ALUMINUM
ALT	ALTERNATE WITH
ALT/	ALTERNATE
APPROX	APPROXIMATE
ASPH	ASPHALT
AUTO	AUTOMATIC
AVE	AVENUE
@	AT
BC	BACK OF CURB
BD	BOARD
BEL	BELOW
BETWN	BETWEEN
BF	BACK FACE
BFV	BUTTERFLY VALVE
BLD	BLIND
BLDG	BUILDING
BLKG	BLOCKING
BLVD	BOULEVARD
BM	BENCHMARK
BO	BREAKOFF
BRG	BEARING
BRK	BRICK
BS	BACK OF SIDEWALK
BTM	BOTTOM
BV	BALL VALVE
B	BASELINE
B/	BOTTOM OF
CB	CATCH BASIN
CF	CUBIC FOOT
CHKD P	CHECKERED PLATE
CI	CAST IRON
CJ	CONTROL JOINT
CHL	CHLORINE
CLG	CEILING
CLR	CLEAR
CMP	CORRUGATED METAL PIPE
CMU	CONCRETE MASONRY UNIT
CO	CLEANOUT
CONN	CONNECTION
CONST	CONSTRUCTION
CONST JT	CONSTRUCTION JOINT
CONT	CONTINUOUS
CONTR	CONTRACTOR
CONTR JT	CONTRACTION JOINT
COR	CORNER
CP	CONTROL POINT
CPLG	COUPLING
CRS	COURSE
CTG	CASTING
CULV	CULVERT
CV	CHECK VALVE
CW	COLD WATER
CY	CUBIC YARD
DEFL	DEFLECTION
DEG / °	DEGREE
DF	DRINKING FOUNTAIN
DI	DUCTILE IRON
DIM	DIMENSION
DISCH	DISCHARGE
DN	DOWN
DP	DEPTH
DR	DOOR
DTL	DETAIL
DWG	DRAWING
EA	EACH
EF	EACH FACE
EFF	EFFLUENT
EJ	EXPANSION JOINT
ELB	ELBOW
ELEC	ELECTRICAL
EQ	EQUAL
EQUIP	EQUIPMENT
ER	END OF RADIUS
EST	ESTIMATE
EW	EACH WAY
EWC	ELECTRIC WATER COOLER
EXH	EXHAUST
EXP	EXPANSION
EXT	EXTERIOR
FD	FLOOR DRAIN
FDN	FOUNDATION
FERT	FERTILIZER
FGL	FIBERGLASS
FIN	FINISHED
FL	FLOWLINE
FLG	FLANGED
FLR	FLOOR
FM	FORCE MAIN
FN	FENCE
FT (')	FOOT
FTG	FOOTING
FUT	FUTURE

G	GAS
GA	GAGE
G OR GAR	GARAGE
GEN	GENERAL
GRD	GRADE, GROUND
GV	GATE VALVE
GRAV	GRAVEL
GW	GROUNDWATER
HB	HOSE BIB
HM	HOLLOW METAL
HORZ	HORIZONTAL
HSE	HOUSE
HT	HEIGHT
HW	HOT WATER
HWR	HOT WATER RETURN
HYD	HYDRANT
ID	INSIDE DIAMETER
IF	INSIDE FACE
IN (")	INCHES
INCL	INCLUDE
INF	INFLUENT
INSUL	INSULATION
INT	INTERIOR
INV	INVERT
JT	JOINT
KGV	KNIFE GATE VALVE
LAB	LABORATORY
LAV	LAVATORY
LG OR L	LENGTH
LOC	LOCATION
LP	LIGHT POLE
LS	LUMP SUM
LT	LEFT
MAS	MASONRY
MAX	MAXIMUM
MECH	MECHANICAL
MFG	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MJ	MECHANICAL JOINT
MP	MID POINT
MTL	MATERIAL
NF	NEAR FACE
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NPW	NON-POTABLE WATER
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OE	OVERHEAD ELECTRIC
OF	OUTSIDE FACE
OH	OVERHEAD
OPG	OPENING
PE	PRIVATE ENTRANCE
PED	PEDESTAL
PERF	PERFORATE
PKG	PARKING
P	PLATE
PL	PLACE
PLP	PROPERTY LINE
PP	POWER POLE
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PV	PLUG VALVE
PVC	POLYVINYL CHLORIDE
PVMT	PAVEMENT
PW	POTABLE WATER
%	PERCENT
QTY	QUANTITY
RCP	REINFORCED CONCRETE PIPE
RD	ROAD
RD	ROOF DRAIN
RDWY	ROADWAY
RED	REDUCER
REF OR R/L	REFERENCE
REINF	REINFORCING
REM	REMOVE
REPL	REPLACE
REV	REVISED
RM	ROOM
RR	RAILROAD
RT	RIGHT

SAN	SANITARY
SAMH	SANITARY MANHOLE
SCH	SCHEDULE
SEC	SECTION
SF	SQUARE FOOT
SHT	SHEET
SIM	SIMILAR
SL	SLOPE
SPA	SPACE
SPEC	SPECIFICATION
SQ	SQUARE
SS	STAINLESS STEEL
SSMH	STORM SEWER MANHOLE
ST	STREET
STD	STANDARD
STL	STEEL
SURF	SURFACE
SW	SIDEWALK
SWR	SEWER
SY	SQUARE YARD
SYS	SYSTEM
T&B	TOP & BOTTOM
TC	TOP BACK OF CURB
T	TELEPHONE
THK	THICKNESS
THRU	THROUGH
TP	TELEPHONE POLE
TYP	TYPICAL
T/	TOP OF
UG	UNDERGROUND GAS
UE	UNDERGROUND ELECTRICAL
UNEXC	UNEXCAVATED
UNO	UNLESS NOTED OTHERWISE
USH	UNITED STATES HIGHWAY
T	UNDERGROUND TELEPHONE
TV	UNDERGROUND VIDEO
V	VALVE
V&B	VALVE & BOX
VAR	VARIABLE
VER	VERTICAL
VC	VERTICAL CURVE
W	WEST
W/	WITH
W/O	WITHOUT
WD	WIDTH
WM	WATER MAIN
WS	WATER SURFACE
WTP	WATER TREATMENT PLANT
WTR	WATER
WWF	WELDED WIRE FABRIC
WWM	WOVEN WIRE MESH

UTILITY CONTACTS

* ATC TRANSMISSION COMPANY
ATTN: CHRIS DAILEY
801 O'KEEFE ROAD
PO BOX 6113
DE PERE, WI. 54115
PHONE: 920-506-6884
EMAIL: cdailey@atcllc.com

* MERIT NETWORK
ATTN: NICK ANDRUS
1000 OAK BROOK DRIVE, SUITE 200
ANN ARBOR, MI 48104
PHONE: 734-527-5777
EMAIL: nandrus@merit.edu

* CHARTER COMMUNICATIONS
ATTN: VINCE ALBIN
3520 E. DESTINATION DRIVE
APPLETON, WI 54915
PHONE: 920-831-9249
EMAIL: Vince.albin@charter.com

* AT&T WISCONSIN-DISTRIBUTION
SCOTT SOKOLOWSKI
435 SOUTH 95TH STREET
MILWAUKEE, WI 53214
PHONE: 414-258-5239
EMAIL: ms4143@att.com

* CITY OF GREEN BAY-SEWER
ATTN: KRISTEN ROMANOWICZ
100 N. JEFFERSON STREET
ROOM 300
GREEN BAY, WI 54301
PHONE: 920-448-3100
E-MAIL: kristenro@greenbaywi.gov

* GREEN BAY WATER UTILITY
ATTN: BRIAN POWELL
631 S. ADAMS STREET
GREEN BAY, WI 54301
PHONE: 920-448-3480
E-MAIL: brianpo@greenbaywi.gov

* US SIGNAL
ATTN: CHRIS WANGLER
201 IONIA AVENUE SW
GRAND RAPIDS, WI 49503
PHONE: 616-988-7256
E-MAIL: cwangler@ussignal.com

* WISCONSIN INDEPENDENT NETWORK
ATTN: KEN WHITING
4955 BULLIS FARM ROAD
EAU CLAIRE, WI 54701
PHONE: 715-376-2996
EMAIL: kwhiting@wins.net

* BROWN COUNTY TECHNOLOGY SERVICE
ATTN: DAN DECKER
PO BOX 11064
GREEN BAY, WI 54307
PHONE: 920-301-7902
EMAIL: ddecker@mcewi.com

* NET LEC
ATTN: RICK VINCENT
450 SECURITY BOULEVARD
PO BOX 19079
GREEN BAY, WI 54307-9079
PHONE: 920-617-7316
EMAIL: rick.vincent@nsight.com

* TITLETOWN OIL CORPORATION
ATTN: CHUCK PANURE
1275 GLORY ROAD
GREEN BAY, WI. 54304
PHONE: 920-371-4922
EMAIL: CPanure@titletownoil.com

* WISCONSIN PUBLIC SERVICE CORPORATION - GAS
ATTN: DAVID CZARNECKI
2850 SOUTH ASHLAND AVENUE
PO BOX 19001
GREEN BAY, WI 54307-9001
PHONE: 920-617-5132
EMAIL: david.czarnecki@wisconsinpublicservice.com

* WISCONSIN PUBLIC SERVICE CORPORATION - ELECTRIC
ATTN: RANDY STEIER
2850 SOUTH ASHLAND AVENUE
PO BOX 19001
GREEN BAY, WI 54307-9001
PHONE: 920-617-5167
EMAIL: RDSteier@wisconsinpublicservice.com

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

*-MEMBER OF DIGGERS HOTLINE

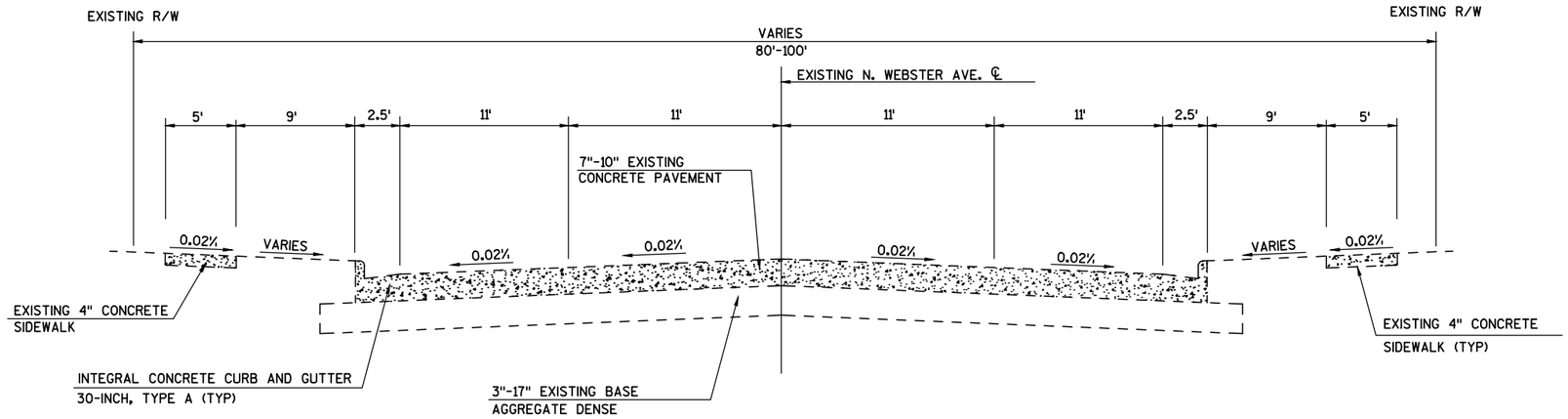
NON-EMERGECY CONTACTS

GREEN BAY METRO FIRE
NON-EMERGENCY
PHONE: 920-448-3270

GREEN BAY POLICE
NON-EMERGENCY
PHONE: 920-448-3200

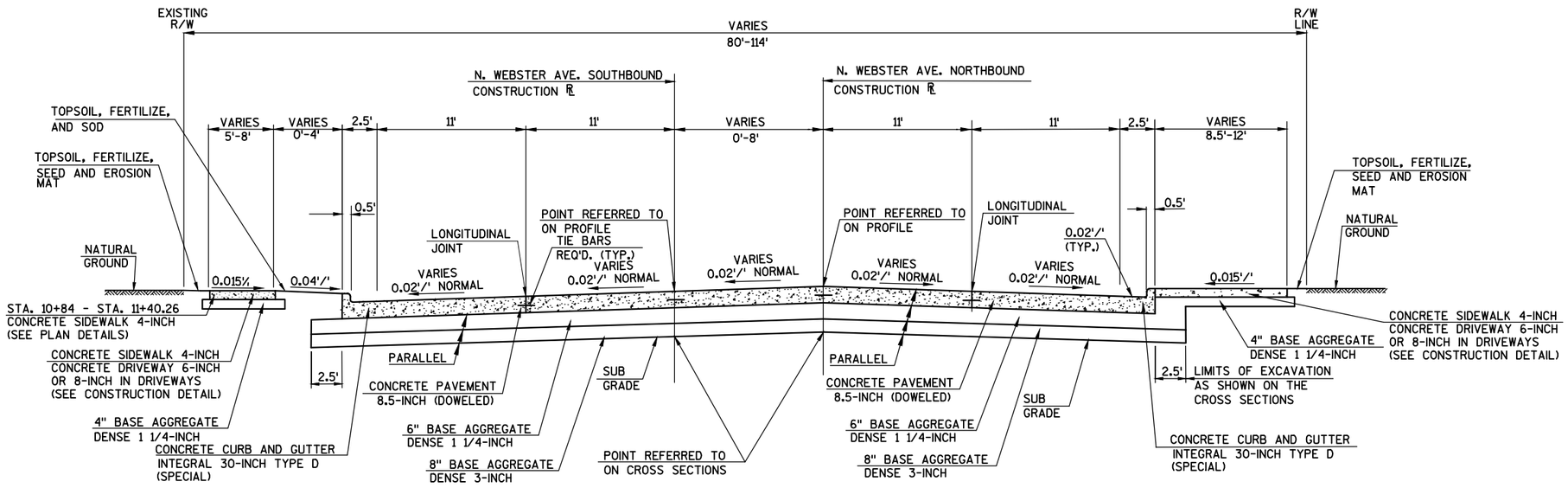
DNR LIAISON

DEPARTMENT OF NATURAL RESOURCES
2984 SHAWANO AVE.
P.O. BOX 10448
GREEN BAY, WISCONSIN 54307-0448
ATTENTION: MR. JIM DOPERALSKI JR.
E-MAIL:james.doperalski@wisconsin.gov
TELEPHONE 1-920-662-5119



TYPICAL EXISTING CROSS SECTION FOR N. WEBSTER AVE.

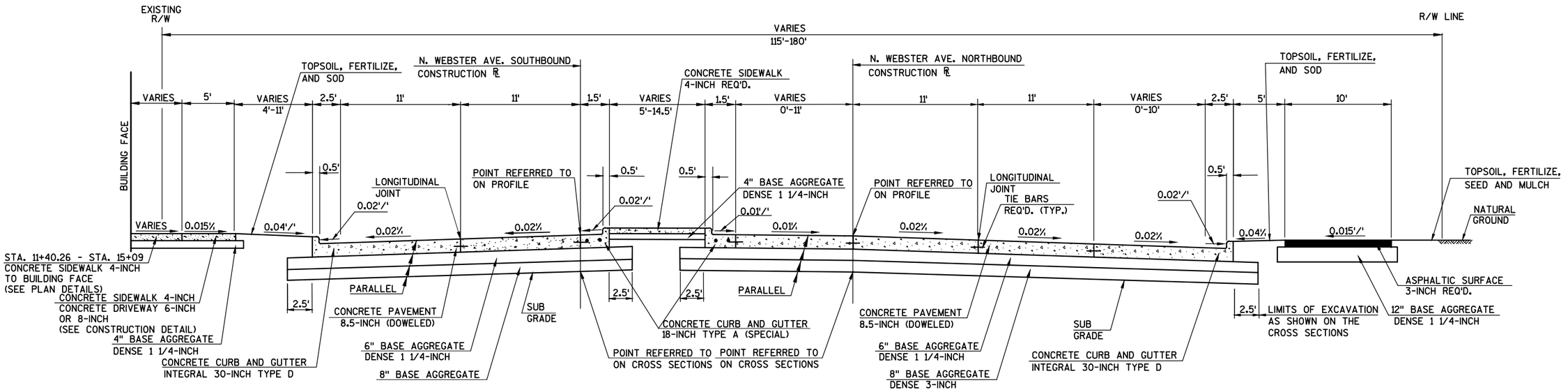
STA. 10+32.86NB - STA. 54+75NB



TYPICAL FINISHED CROSS SECTION FOR N. WEBSTER AVE.

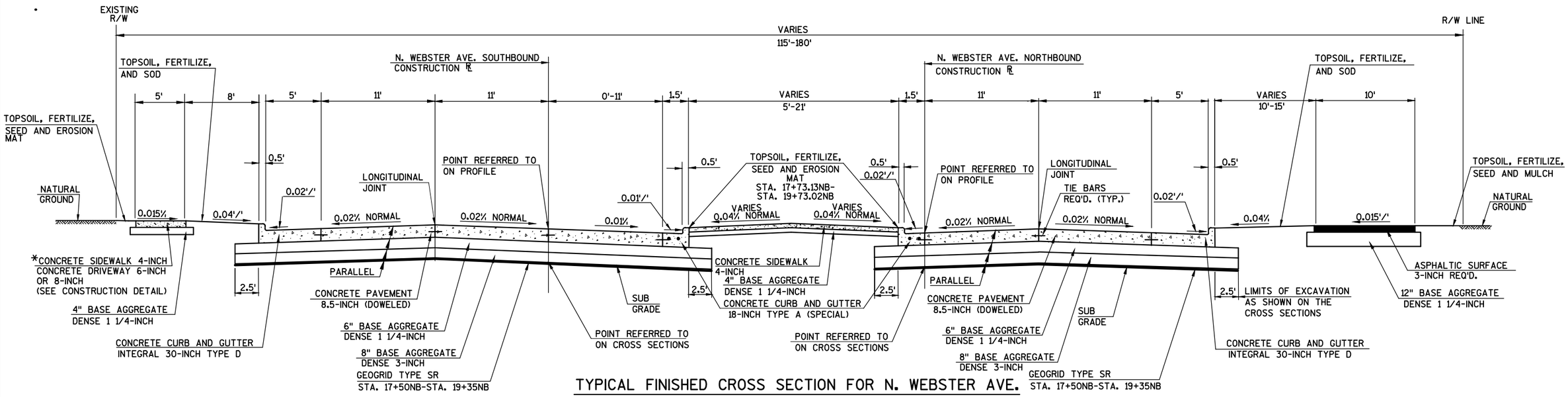
STA. 10+32.86NB - STA. 11+40.26NB

PROJECT NO: 4987-02-65	HWY: N. WEBSTER AVE	COUNTY: BROWN	TYPICAL SECTION	SHEET 4	E



TYPICAL FINISHED CROSS SECTION FOR N. WEBSTER AVE.

STA. 11+40.26NB - STA. 16+01.29NB

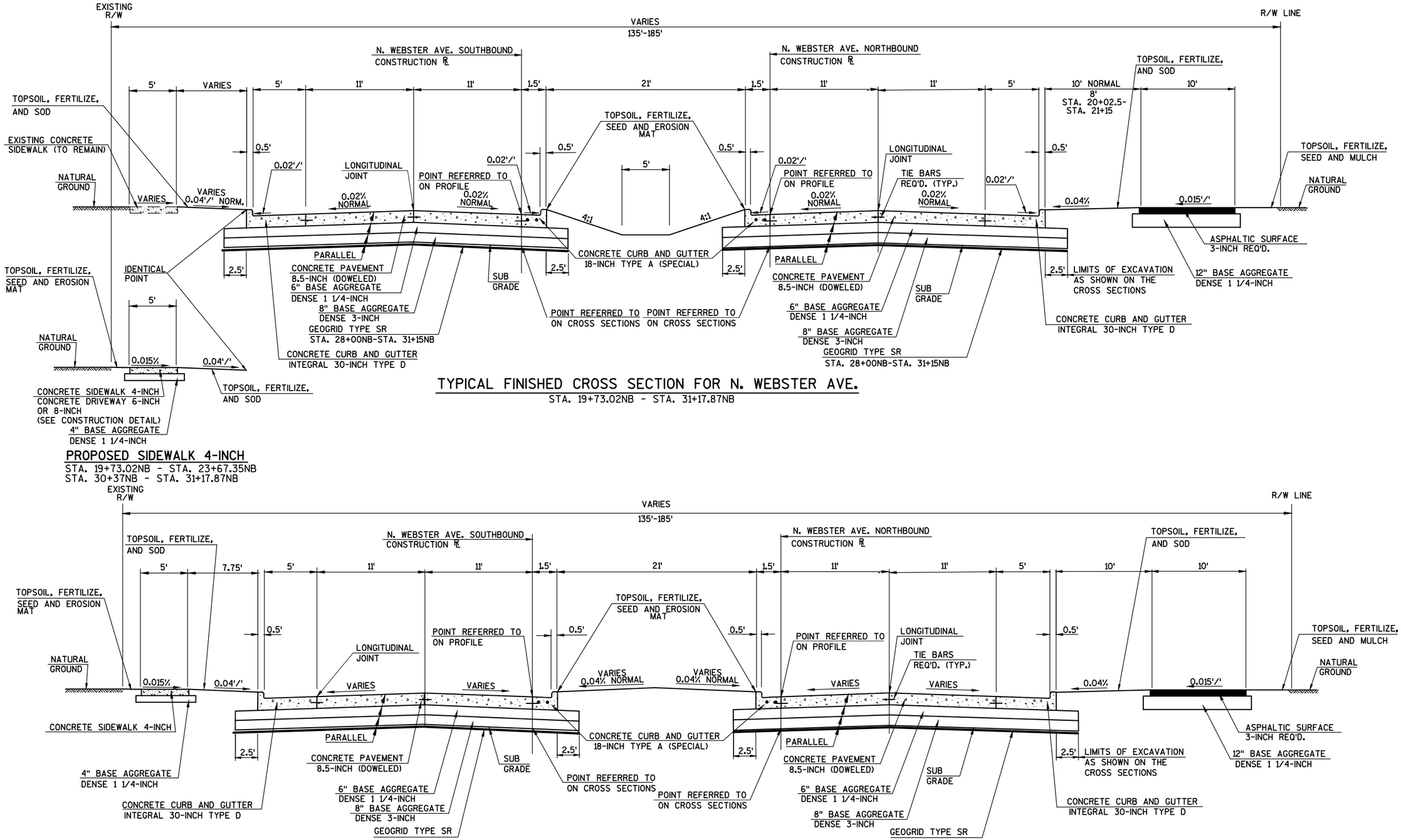


*EXISTING SIDEWALK TO REMAIN STA. 16+05-STA. 19+08.77

TYPICAL FINISHED CROSS SECTION FOR N. WEBSTER AVE.

STA. 16+01.29NB - STA. 19+73.02NB

PROJECT NO: 4987-02-65	HWY: N. WEBSTER AVE	COUNTY: BROWN	TYPICAL SECTION	SHEET 5	E



PROPOSED SIDEWALK 4-INCH

STA. 19+73.02NB - STA. 23+67.35NB
STA. 30+37NB - STA. 31+17.87NB

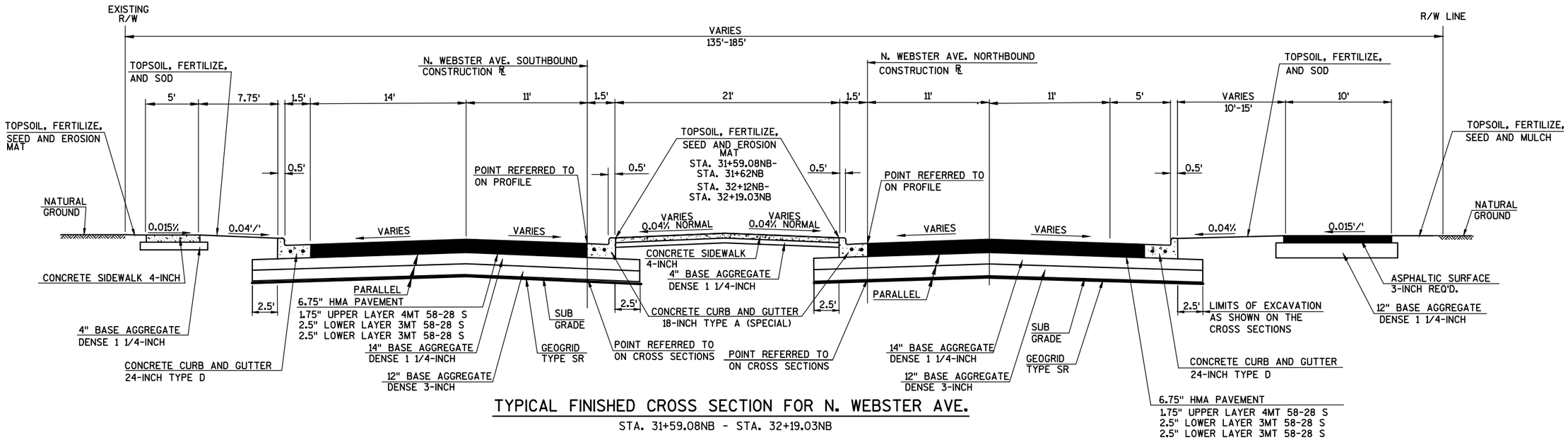
TYPICAL FINISHED CROSS SECTION FOR N. WEBSTER AVE.

STA. 19+73.02NB - STA. 31+17.87NB

TYPICAL FINISHED CROSS SECTION FOR N. WEBSTER AVE.

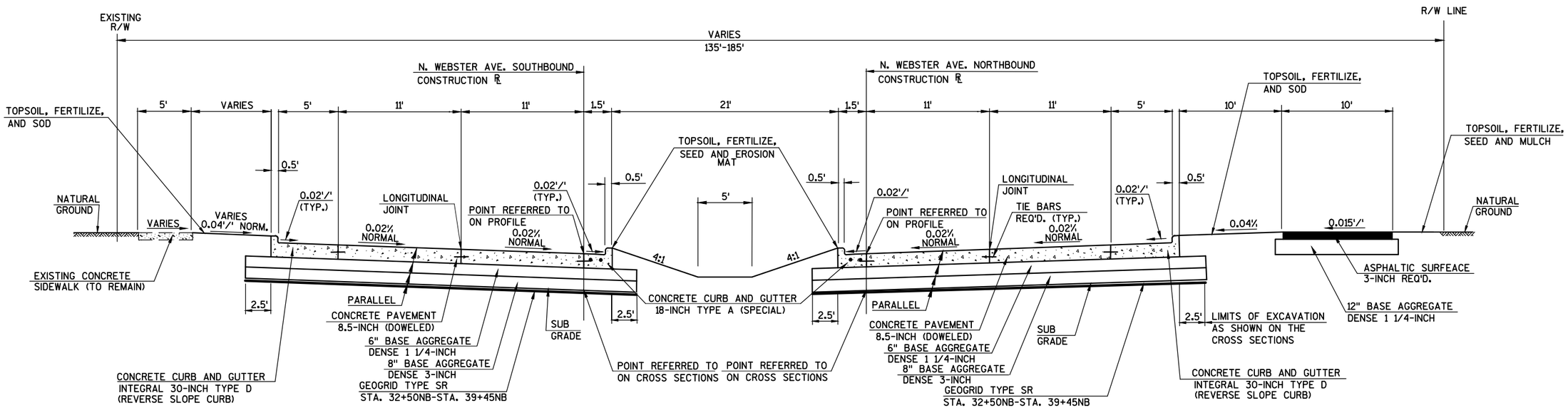
STA. 31+17.87NB - STA. 31+59.08NB
STA. 32+19.03NB - STA. 32+50NB

PROJECT NO: 4987-02-65	HWY: N. WEBSTER AVE	COUNTY: BROWN	TYPICAL SECTION	SHEET 6	E



TYPICAL FINISHED CROSS SECTION FOR N. WEBSTER AVE.

STA. 31+59.08NB - STA. 32+19.03NB

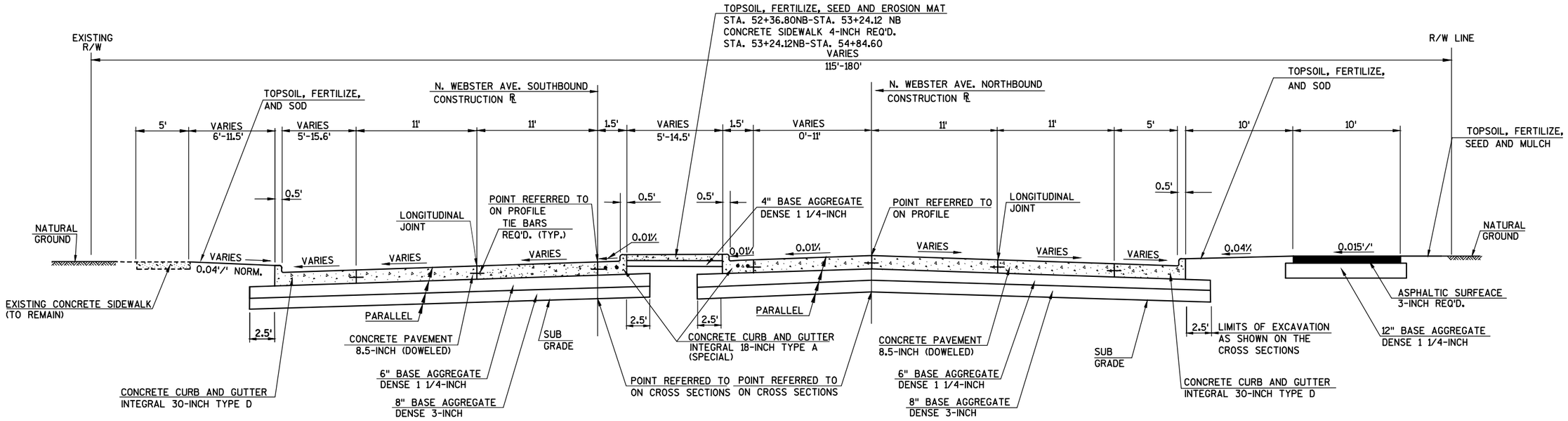


TYPICAL FINISHED CROSS SECTION FOR N. WEBSTER AVE.

STA. 32+50NB - STA. 52+36.38NB

PROJECT NO: 4987-02-65	HWY: N. WEBSTER AVE	COUNTY: BROWN	TYPICAL SECTION	SHEET 7	E

FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\020304_TS.DWG PLOT DATE : 11/1/2018 1:58 PM PLOT BY : AYRES ASSOCIATES PLOT NAME : PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 42

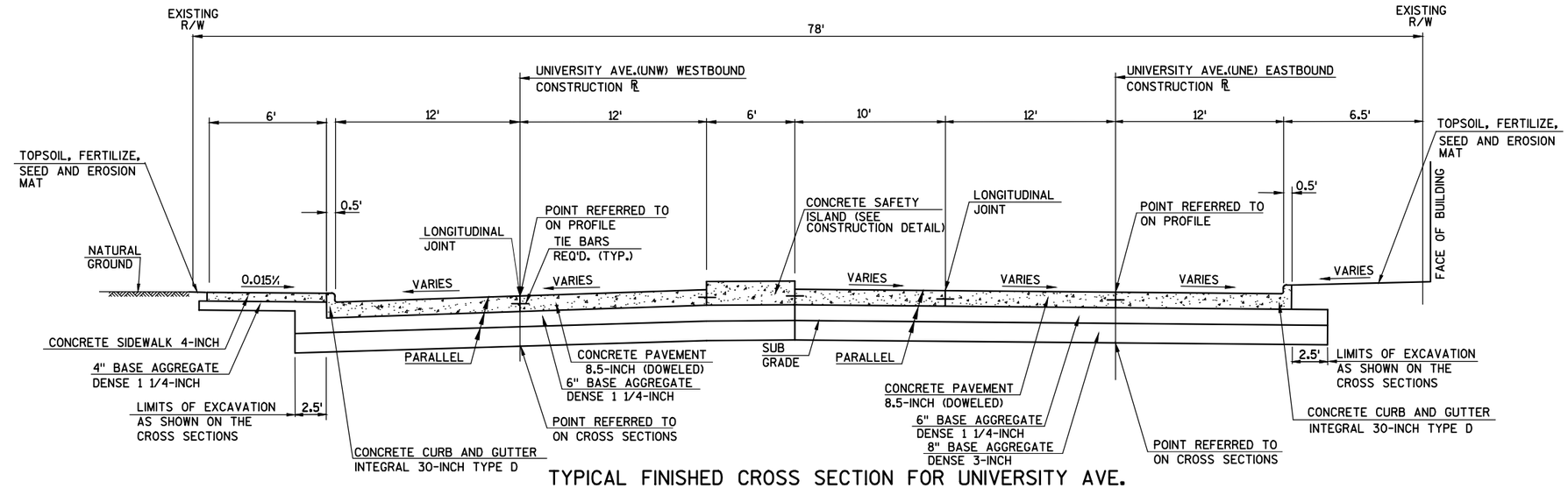


TYPICAL FINISHED CROSS SECTION FOR N. WEBSTER AVE.

STA. 52+36.38NB - STA. 54+75NB
STA. 52+36.38SB - STA. 54+65SB

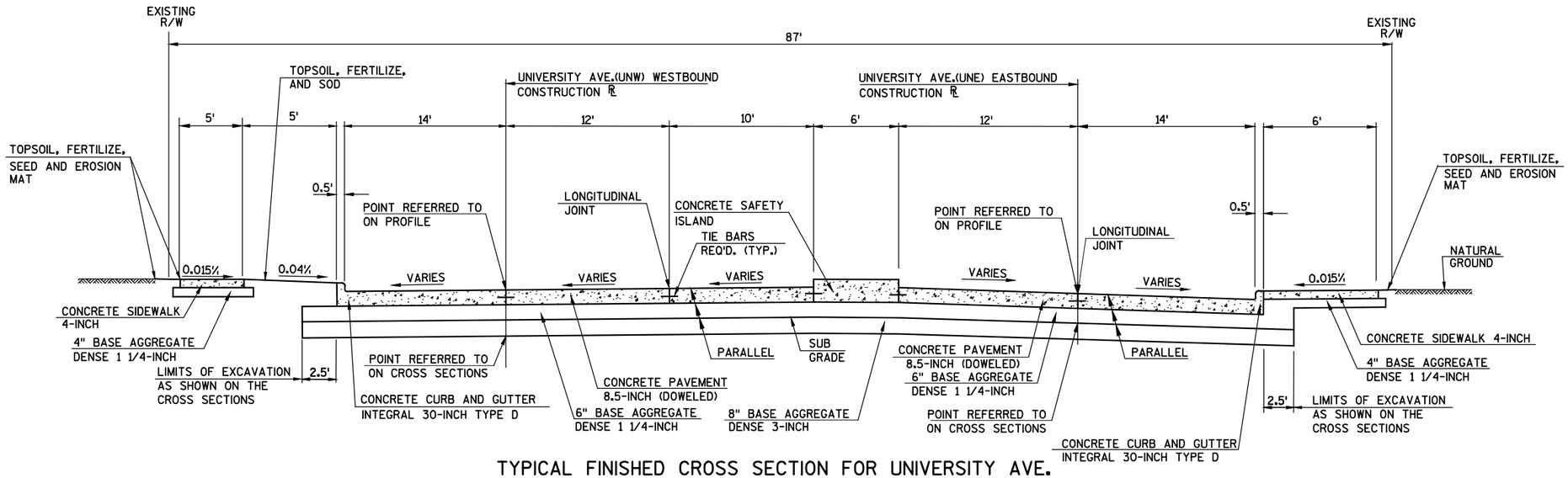
PROJECT NO: 4987-02-65	HWY: N. WEBSTER AVE	COUNTY: BROWN	TYPICAL SECTION	SHEET	E

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WISDOT/CADDS SHEET 42



TYPICAL FINISHED CROSS SECTION FOR UNIVERSITY AVE.

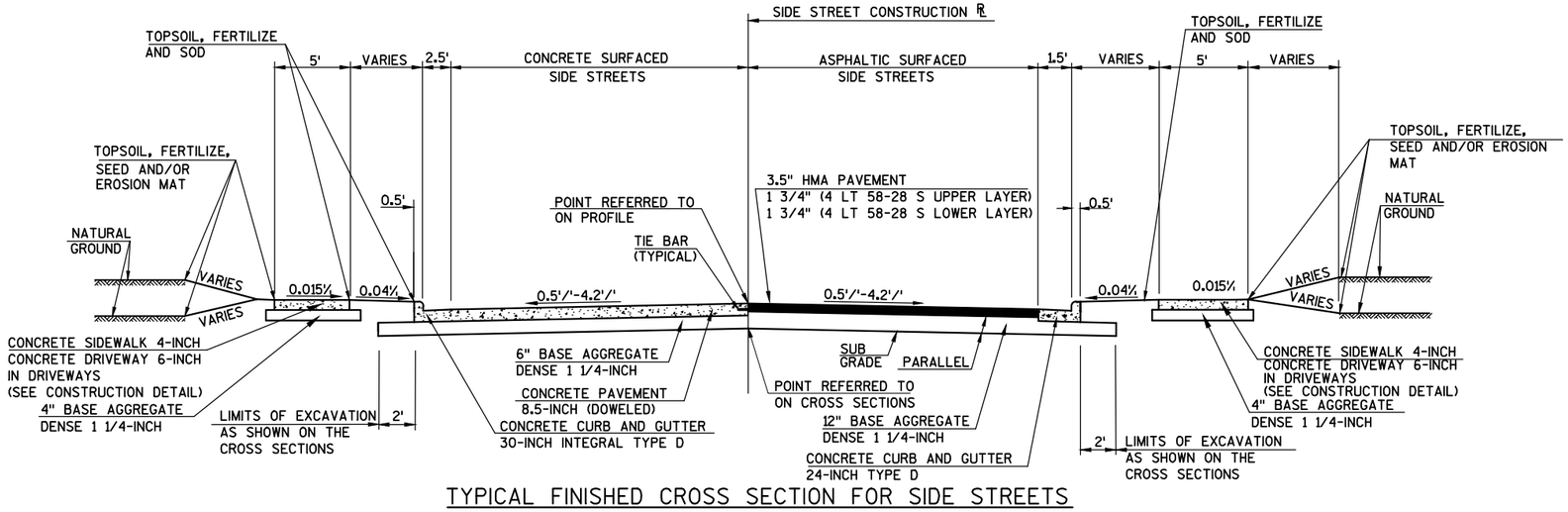
STA. 8+90UNE - STA. 10+00UNE



TYPICAL FINISHED CROSS SECTION FOR UNIVERSITY AVE.

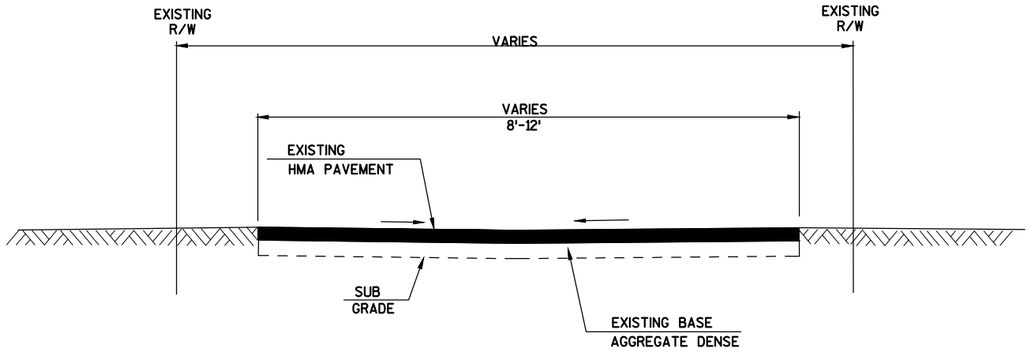
STA.10+00UNE - STA. 10+85UNE

PROJECT NO: 4987-02-65	HWY: N. WEBSTER AVE	COUNTY: BROWN	TYPICAL SECTION	SHEET 9	E

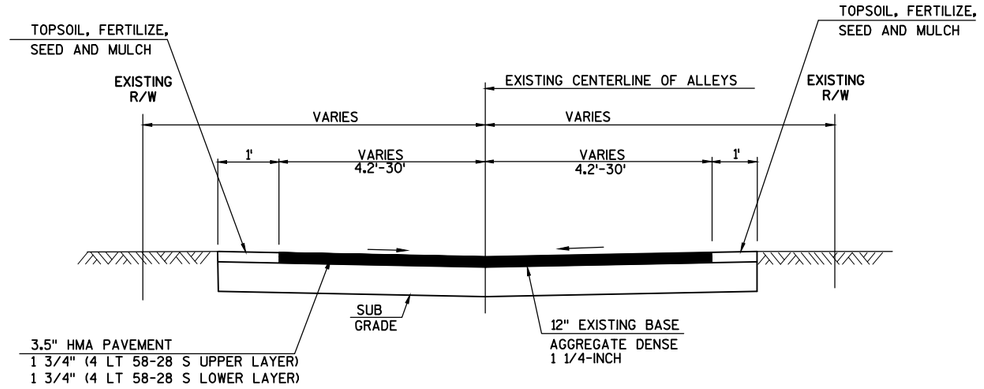


TYPICAL FINISHED CROSS SECTION FOR SIDE STREETS

SIDE STREET NAME	STATION-STATION	MATERIAL TYPE	CONCRETE SIDEWALK WIDTH LEFT	TERRACE WIDTH LEFT	ROADWAY WIDTH LEFT	ROADWAY WIDTH RIGHT	TERRACE WIDTH RIGHT	CONCRETE SIDEWALK WIDTH RIGHT	CONCRETE CURB AND GUTTER (SPECIAL) TYPE AND SIZE
HARVEY ST.	9+00-9+23.6	ASPHALT	5'	8.5'	13.7'	13.7'	8.3'	5'	24-INCH TYPE D
HARVEY ST.	10+52.3-10+75	ASPHALT	5'	7.5'	13.5'	13.6'	8.1'	5'	24-INCH TYPE D
DAY ST.	9+10-9+23.9	CONCRETE	5'	6.2'	17.2'	17.2'	5.4'	5'	30-INCH INTEGRAL TYPE D
DAY ST.	10+52-10+75	ASPHALT	5'	7.1'	13.8'	13.8'	8.1'	5'	24-INCH TYPE D
SMITH ST.	9+15-9+23.9	CONCRETE	5'	6.5'	17.1'	17.1'	6.2'	5'	30-INCH INTEGRAL TYPE D
SMITH ST.	10+52.1-10+53	ASPHALT	5'	6.6'	17.1'	17.1'	6.4'	5'	24-INCH TYPE D
EASTMAN ST. EB (SOUTH)	8+75-9+23.9	ASPHALT	----	----	10.6'	10.6'	6.3'	5'	24-INCH TYPE D
EASTMAN ST. WB (NORTH)	8+85-9+23.8	ASPHALT	----	----	10.5'	10.5'	----	----	24-INCH TYPE D
EASTMAN ST. EB (SOUTH)	10+52-11+20	ASPHALT	----	----	10.5'	10.5'	7.0'-6.6'	5'	24-INCH TYPE D
EASTMAN ST. WB (NORTH)	10+52-11+00	ASPHALT	5'	8.5'-2.4'	9.4'	9.4'	----	----	24-INCH TYPE D
REBER ST.	9+00-9+24	ASPHALT	5'	6.0'	15.6'	15.6'	6.4'	5'	24-INCH TYPE D
REBER ST.	10+51.8-10+85	ASPHALT	5'	6.6'	15.6'	15.6'	6.9'	5'	24-INCH TYPE D
BERNER ST.	8+95-9+23.9	ASPHALT	5'	6.3'	15.5'	15.5'	6.4'	5'	24-INCH TYPE D
BERNER ST.	10+52-10+85	CONCRETE	5'	6.8'	17.0'	17.0'	6.8'	5'	30-INCH INTEGRAL TYPE D
KLAUS ST.	8+90-9+23.8	CONCRETE	6'	0'	22.1'	22.0'	----	0'	30-INCH INTEGRAL TYPE D
KLAUS ST.	10+53.7-10+95	ASPHALT	5	6.3'-7.0'	15.5'	15.4'	6.4'	5'	24-INCH TYPE D
VANDERBRAAK ST.	10+55.2-11+60	ASPHALT	----	----	29.1'-40'	34.4'-40'	----	----	30-INCH TYPE D

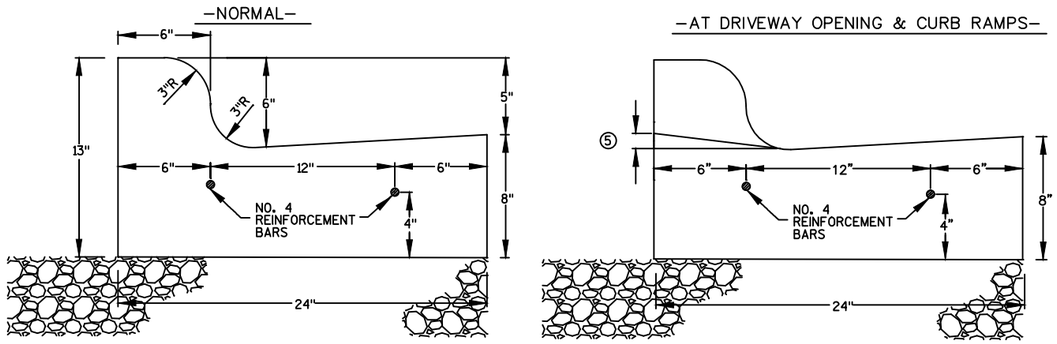


EXISTING TYPICAL SECTION FOR ALLEYS



TYPICAL FINISHED SECTION FOR ALLEY TURNAROUNDS

PROJECT NO: 4987-02-65	HWY: N. WEBSTER AVE	COUNTY: BROWN	TYPICAL SECTION	SHEET 11	E



NOTES:

① CONTRACTION JOINTS SHALL BE SAWED EVERY 15' MAXIMUM OR AS DESIGNATED BY ENGINEER IN FIELD.

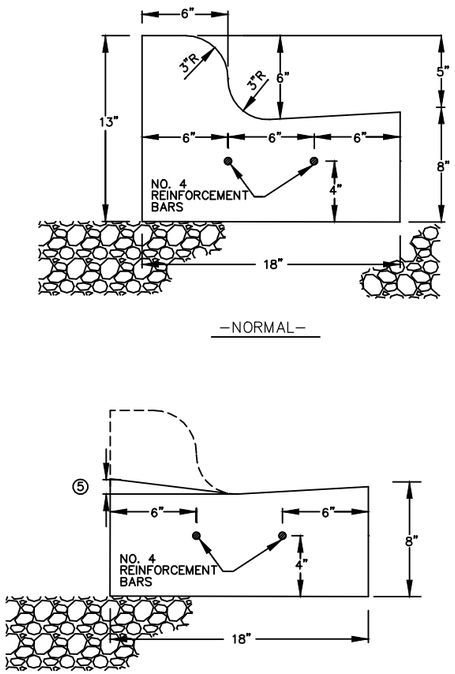
② EXPANSION JOINTS (3/4") SHALL BE PLACED AT END OF RADII, AND AS DESIGNATED BY ENGINEER IN FIELD.

③ NO. 4 REINFORCEMENT BARS SHALL BE 20' LONG WITH A 3/4" EXPANSION TUBE REQUIRED ON ONE END AT EXPANSION JOINTS.

④ NO. 4 REINFORCEMENT BARS SHALL BE OVERLAPPED A MINIMUM OF 1'.

⑤ 1-1/2" AT DRIVEWAY OPENINGS, 1/2" AT CURB RAMPS.

CONCRETE CURB AND GUTTER 24-INCH TYPE D



NOTES:

① CONTRACTION JOINTS SHALL BE SAWED EVERY 15' MAXIMUM OR AS DESIGNATED BY ENGINEER IN FIELD.

② EXPANSION JOINTS (3/4") SHALL BE PLACED AT END OF RADII, AND AS DESIGNATED BY ENGINEER IN FIELD.

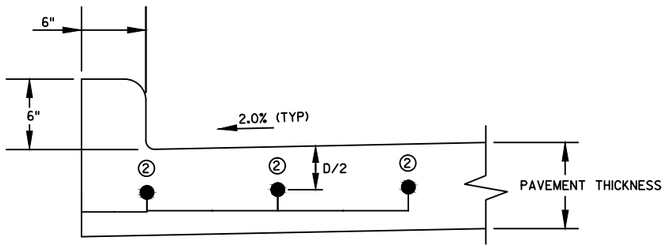
③ NO. 4 REINFORCEMENT BARS SHALL BE 20' LONG WITH A 3/4" EXPANSION TUBE REQUIRED ON ONE END AT EXPANSION JOINTS.

④ NO. 4 REINFORCEMENT BARS SHALL BE OVERLAPPED A MINIMUM OF 1'.

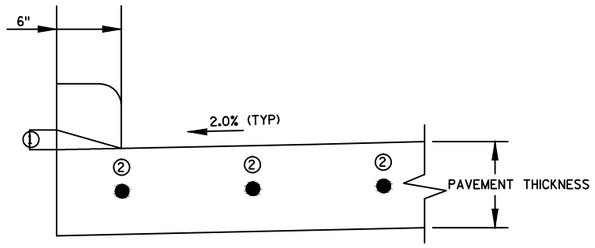
⑤ 1-1/2" AT DRIVEWAY OPENINGS, 1/2" AT CURB RAMPS.

⑥ TYPE A SPECIAL, TIE BARS REQUIED NO. 4 X 2'-0" SPACED AT 3'-0" C - C

CURB AND GUTTER 18" TYPE A & D SPECIAL



NORMAL



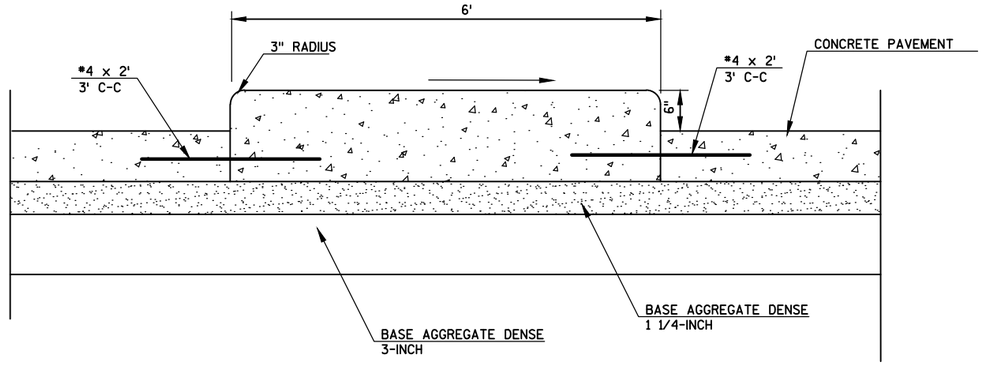
AT DRIVEWAY OPENING AND CURB RAMPS

NOTES:

- CONTRACTION JOINTS SHALL BE SAWED EVERY 15' MAXIMUM OR AS DESIGNATED BY ENGINEER IN FIELD.
- 6"x6" EXPANSION JOINTS (3/4") SHALL BE PLACED AT CURB HEAD AT END OF RADII.

① 1-1/2" AT DRIVEWAY OPENINGS, 1/2" AT CURB RAMPS.

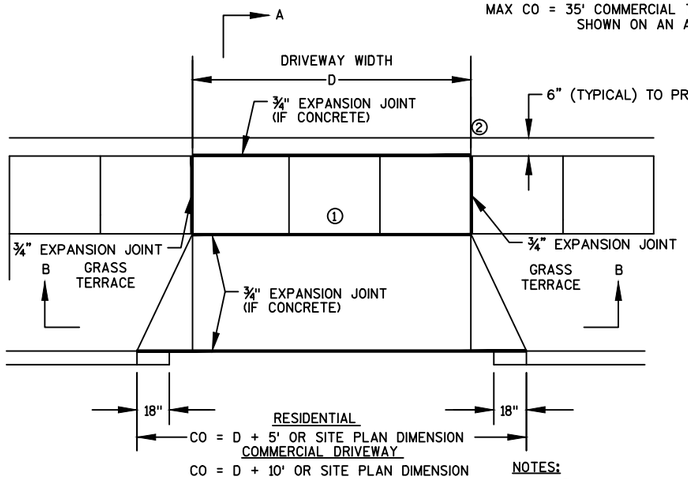
② 1-1/4"x18" SMOOTH EPOXY COATED DOWEL BARS NECESSARY AT CONTRACTION JOINTS (TYPICAL ACROSS PAVEMENT SECTION)



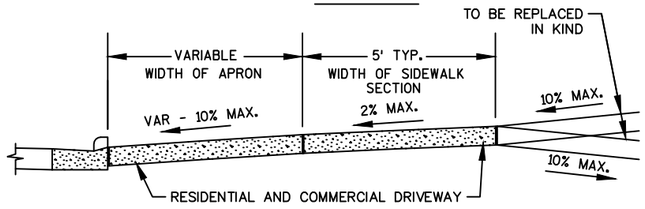
CONCRETE SAFETY ISLAND

INTEGRAL CURB DETAILS

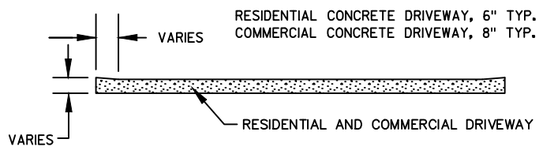
MAX D = 12' SINGLE WIDTH RESIDENTIAL
MAX D = 20' DOUBLE WIDTH RESIDENTIAL
MAX D = 15' COMMERCIAL ONE-WAY
MAX D = 25' COMMERCIAL TWO-WAY
MAX CO = 17' SINGLE WIDTH RESIDENTIAL
MAX CO = 25' DOUBLE WIDTH RESIDENTIAL
MAX CO = 25' COMMERCIAL ONE-WAY OR AS SHOWN ON APPROVED SITE PLAN
MAX CO = 35' COMMERCIAL TWO-WAY OR AS SHOWN ON AN APPROVED SITE PLAN



PLAN VIEW



SECTION A-A



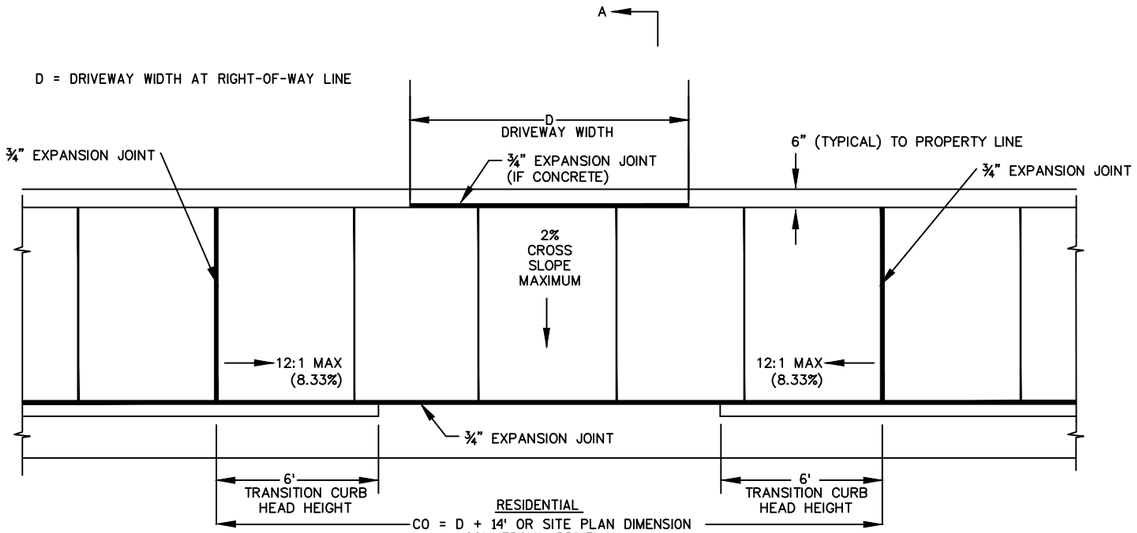
SECTION B-B

NOTES:

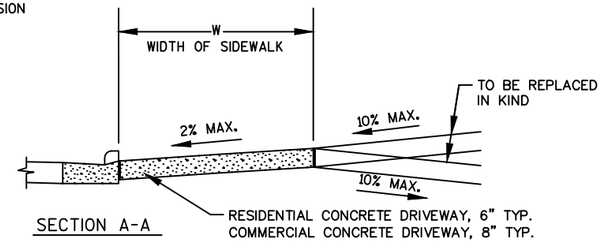
① ALL DRIVEWAYS REQUIRE A 5' WIDE CONCRETE SIDEWALK SECTION PAID FOR AS CONCRETE DRIVEWAY.

② ALL PARKING LOT CURBING MUST BE TAPERED TO MEET THE BACK OF THE SIDEWALK.

URBAN DRIVEWAY DETAIL

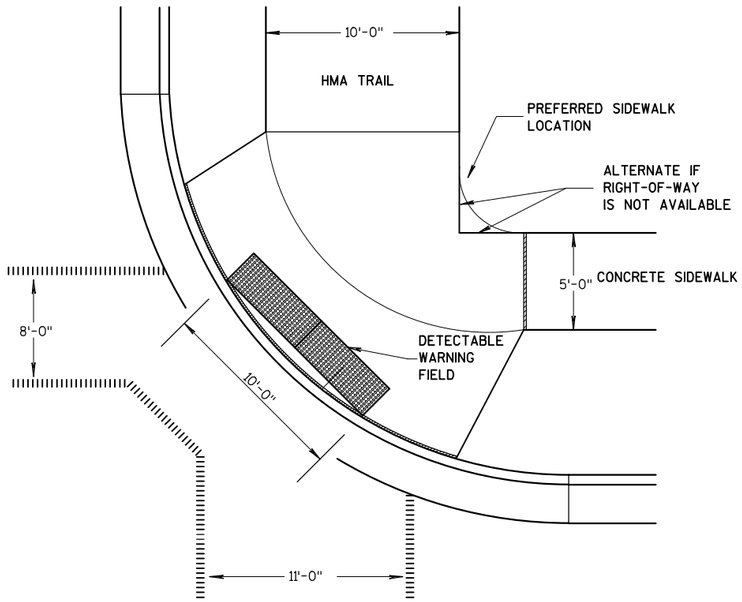


PLAN VIEW



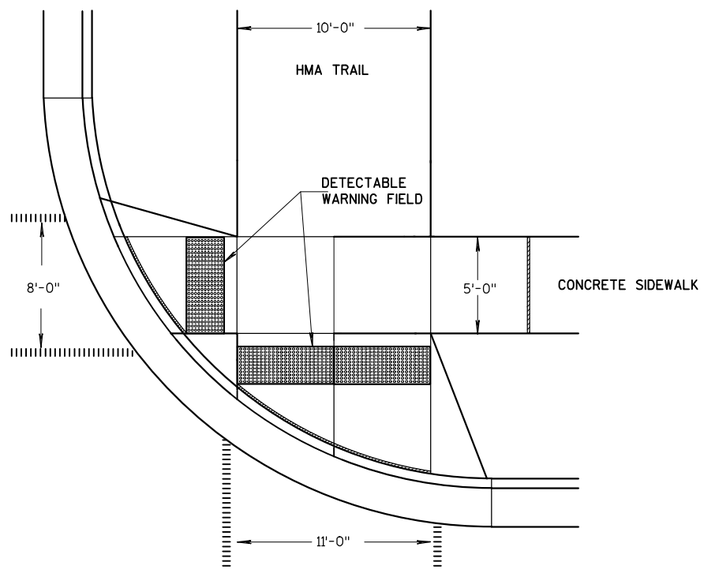
SECTION A-A

URBAN DRIVEWAY DETAIL-SIDEWALK ADJACENT TO CURB



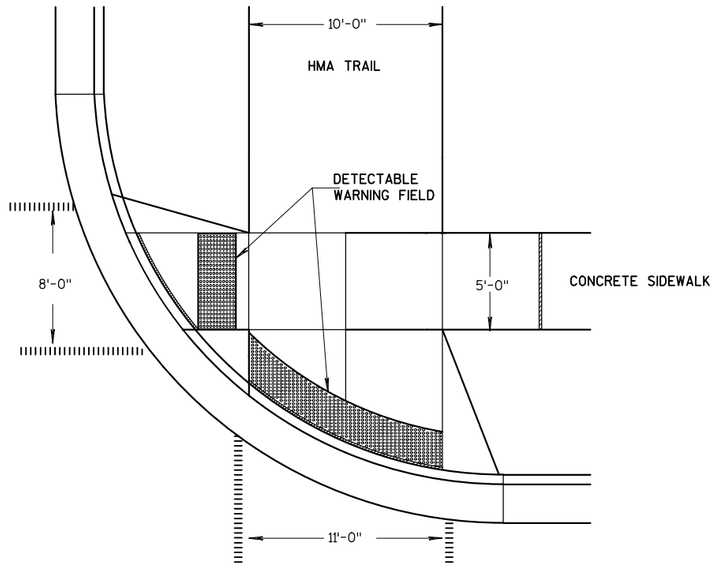
CURB RAMP TYPE 1 SPECIAL

(SEE SDD "CURB RAMPS RADIAL DETECTABLE WARNING FIELD APPLICATION" FOR ADDITIONAL DETAILS)



TYPE 2 RAMP SPECIAL

(SEE SDD "CURB RAMPS RADIAL DETECTABLE WARNING FIELD APPLICATION" FOR ADDITIONAL DETAILS)



LEGEND

- 1/2" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

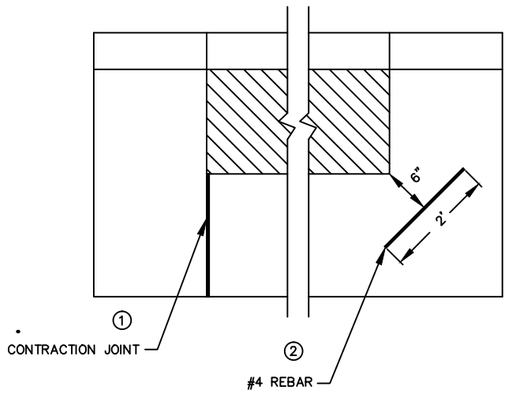
TYPE 2 RAMP WITH RADIAL WARNING FIELD SPECIAL

(SEE SDD "CURB RAMPS RADIAL DETECTABLE WARNING FIELD APPLICATION" FOR ADDITIONAL DETAILS)

PROJECT NO: 4987-02-65	HWY: N. WEBSTER AVE.	COUNTY: BROWN	CONSTRUCTION DETAILS	SHEET 14	E

2

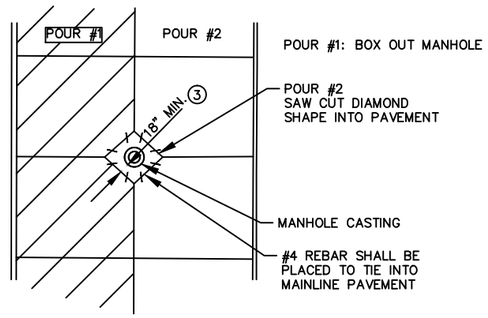
INLET WITH INTEGRAL CURB



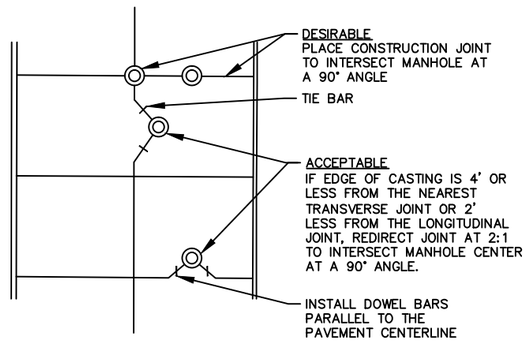
NOTES:

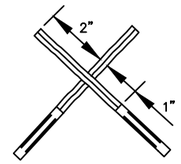
1. IN CASES WHERE THERE IS NO CONTRACTION JOINT, REPLACE WITH #4 REBAR.
2. #4 REBAR TO BE PLACED AT A MINIMUM DEPTH OF 4.0" (OR HALF THE DEPTH OF THE PAVEMENT).
3. AN 18" MINIMUM CLEARANCE BETWEEN THE EXTERIOR LIMIT OF THE STRUCTURE TO THE DIAMOND BOXOUT.

MANHOLE IN CONCRETE PAVEMENT ON ℄
(ONLY AS APPROVED BY ENGINEER)

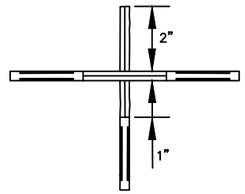


MANHOLE IN CONCRETE PAVEMENT OFF ℄

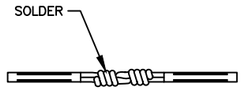


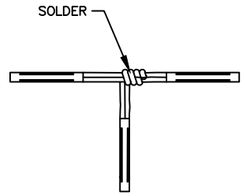


IN–LINE CONNECTION



BRANCH CONNECTION





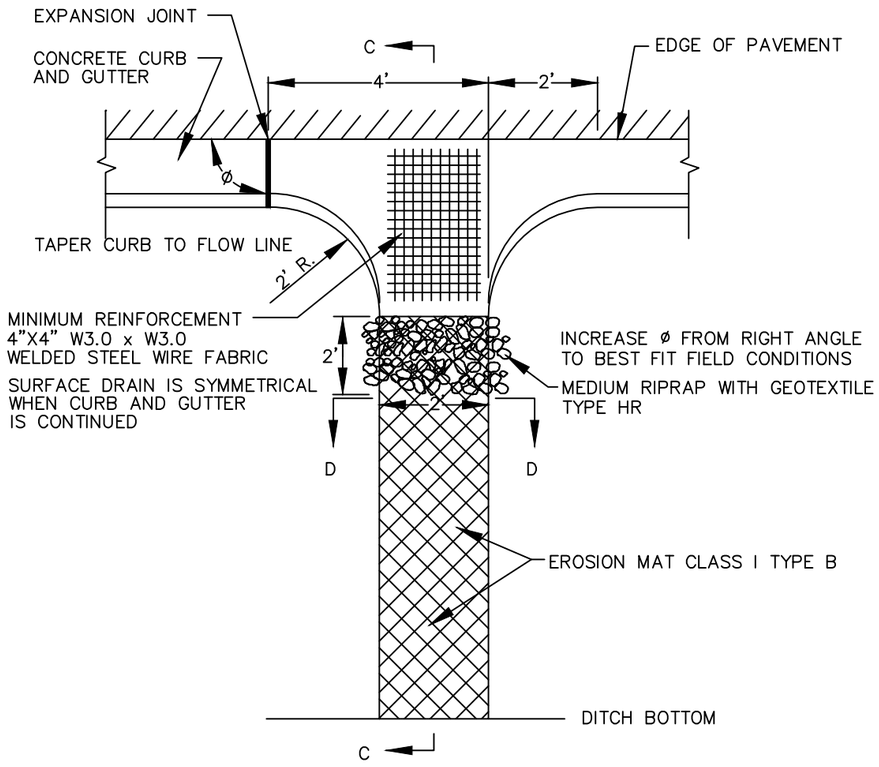
TRACER WIRE SPLICE CONNECTION DETAIL

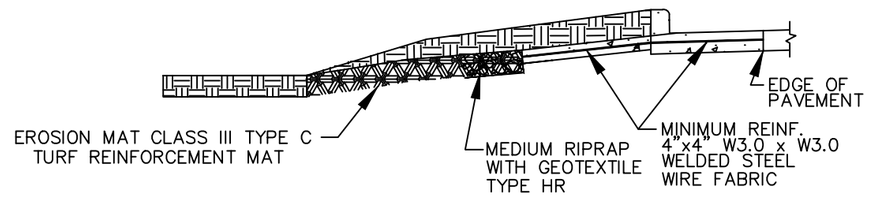
NOTES:

1. CUT OFF INSULATION FROM WIRE AS SHOWN IN THE DRAWING, BUT DO NOT CUT THE COPPER WIRE.
2. LOOP THE WIRE ENDS AT LEAST 4 TIMES ON BOTH SIDES OF THE CONNECTION.
3. USING A PROPANE TORCH, APPLY FLAME DIRECTLY TO JOIN (LOOPS) TO BE SOLDERED.
4. APPLY 62SN OR EQUIVALENT ROSIN CORE SOLDER TO THE SPLICE. SOLDER SHOULD FLOW INTO JOINT.
5. SOLDERING PASTE MUST BE APPLIED TO THE LOOPS BEFORE HEAT IS APPLIED IF ROSIN CORE SOLDER IS NOT USED.
6. WHEN COOLED, COVER SPLICE WITH 3M SCOTCHFILL™ ELECTRICAL INSULATION PUTTY OR EQUIVALENT. THEN COAT THE PUTTY WITH 3M SCOTCHKOTE™ ELECTRICAL COATING OR EQUIVALENT.

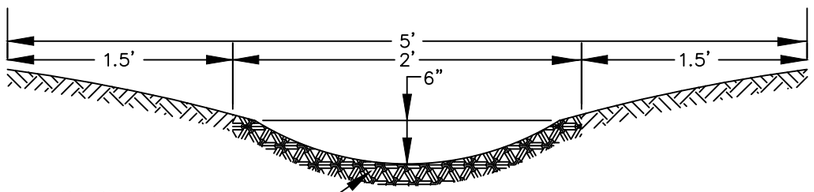
CONCRETE PAVEMENT INLET AND MANHOLE

2





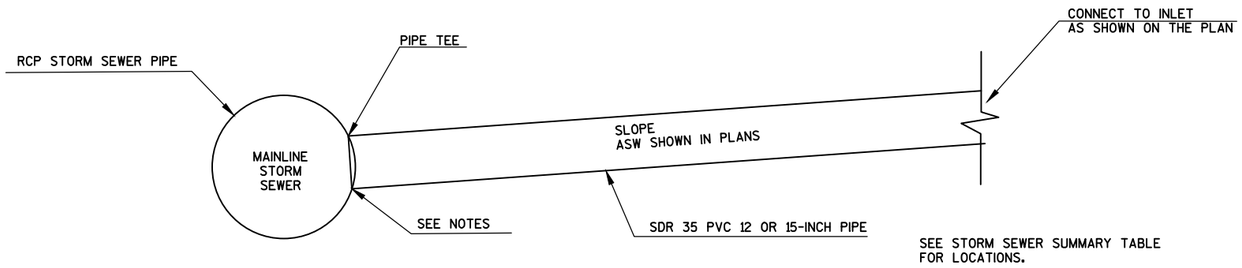
SECTION C–C



SECTION D–D

CONCRETE SURFACE DRAIN

NOTE:
FILL OVER EROSION MAT CLASS III TYPE C WITH TOPSOIL BEFORE INSTALLING EROSION MAT CLASS 1 TYPE B PER MANUFACTURES INSTALLATION RECOMMENDATIONS.



NOTES:

THE ELEVATION OF THE INLET LEAD MAINLINE CONNECTION AS SHOWN ON THE PLANS IS BASED ON THE FOLLOWING:

INLET LEAD TO TAP MAIN AS HIGH AS POSSIBLE BUT, AT A MINIMUM THE SPRINGLINE OF THE INLET LEAD SHALL MATCH THE SPRINGLINE OF THE MAINLINE STORM SEWER.

INLET LEADS SHALL BE CONNECTED TO THE STORM SEWER MAIN USING MANUFACTURED TEES, FIELD TAPPED, OR BE CONNECTED TO MANHOLES.

A FIELD TAP IS ALLOWED WHEN BOTH OF THE FOLLOWING CONDITIONS ARE SATISFIED: (A) STORM SEWER MAIN IS GREATER THAN 18 INCH DIAMETER, AND (B) STORM SEWER LATERALS (TAPPING PIPE) TO BE CONNECTED TO THE MAIN SHALL BE A MINIMUM OF TWO (2) PIPE SIZES SMALLER THAN THE MAIN. ALL OTHER SIZES SHALL BE CONNECTED USING MANUFACTURED WYES OR TEES.

ALL PIPES TO BE FIELD TAPPED WITH NON-RIGID PIPE SHALL BE CORE DRILLED AND GASKETED WITH INSERT-A-TEE, RESPECTIVELY, OR APPROVED EQUAL.

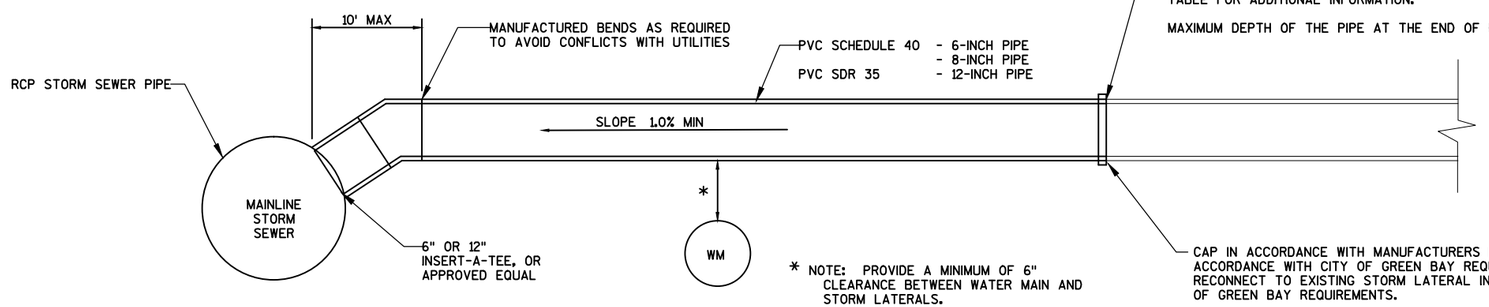
TRACER WIRE IS REQUIRED FOR ALL STORM SEWER (I.E. MAIN, INLET LEADS, LATERALS).

LIMIT INLET LEAD PENETRATION INTO THE STORM SEWER PIPE TO 1" MAX.

IF A FIELD TAP IS REQUIRED, CONSTRUCT IT A MINIMUM OF 2' AWAY FROM ANY JOINTS PREFERABLY IN THE DOWNSTREAM DIRECTION.

PLACE 2-INCH RIGID INSULATION WHEN THE DISTANCE FROM THE STORM SEWER INLET LEAD TO THE WATER MAIN IS LESS THAN 2 FEET.

STORM SEWER INLET LEAD CONNECTION DETAIL (CIRCULAR PIPE)



* NOTE: PROVIDE A MINIMUM OF 6" CLEARANCE BETWEEN WATER MAIN AND STORM LATERALS.

WHEN LESS THAN 2-FEET, PLACE 2-INCH RIGID INSULATION (INCIDENTAL TO PIPE).

EXACT STORM SEWER LATERAL FIELD TAP ELEVATION TO BE DETERMINED IN THE FIELD.

AT A MINIMUM, THE FLOWLINE OF THE STORM LATERAL SHALL MATCH THE SPRINGLINE OF THE MAINLINE STORM SEWER.

TRACER WIRE IS REQUIRED FOR ALL STORM LATERALS.

LIMIT STORM SEWER LATERAL PENETRATION INTO THE STORM SEWER TO 1" MAX.

THE CONTRACTOR SHALL INSTALL STORM LATERALS TO AVOID CONFLICTS WITH OTHER UTILITIES. THIS IS TO BE ACCOMPLISHED BY HAVING A RISER AT THE STORM MAIN, IF NECESSARY.

RECONNECT AND RELAY EXISTING STORM LATERALS TO NEW MAIN. LOCATIONS OF KNOWN EXISTING LATERALS SHOWN ON THE PLAN PROVIDED BY THE CITY OF GREEN BAY. THERE MAY BE ADDITIONAL LIVE CONNECTIONS TO MAINS/INLETS THAT REQUIRE RECONNECTION AND RELAY PER SPECIFICATION. SEE STORM SEWER LATERALS MQ TABLE FOR ADDITIONAL INFORMATION.

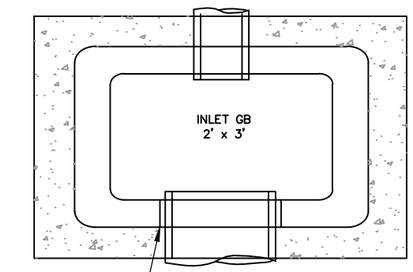
MAXIMUM DEPTH OF THE PIPE AT THE END OF PIPE IS 2.5 FEET.

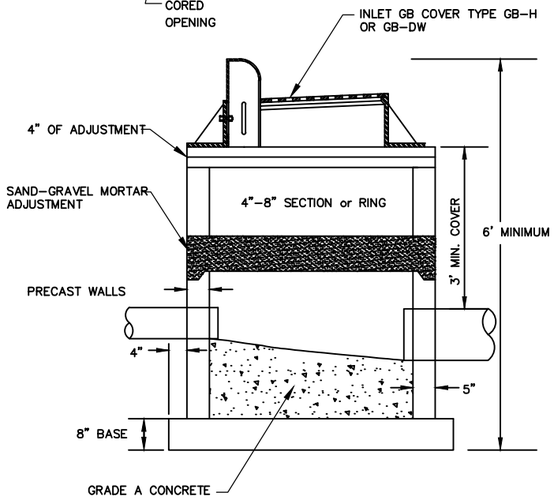
CAP IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS IN ACCORDANCE WITH CITY OF GREEN BAY REQUIREMENTS OR RECONNECT TO EXISTING STORM LATERAL IN ACCORDANCE WITH CITY OF GREEN BAY REQUIREMENTS.

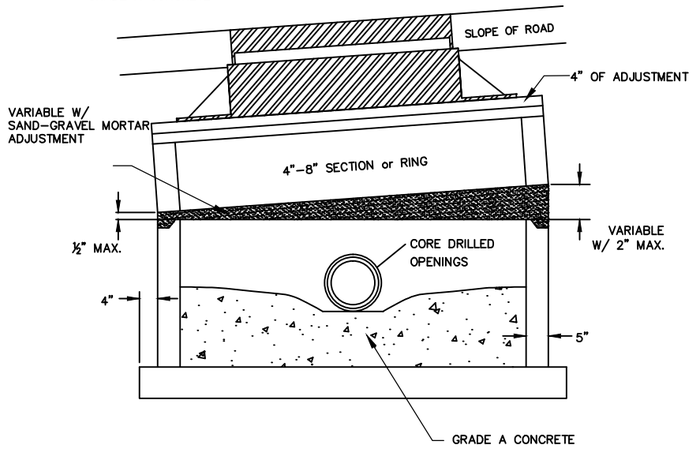
PVC GASKETED SEWER FITTING OR SLEEVE REQUIRED WHEN CONNECTING TO EXISTING PVC STORM LATERAL. FLEXIBLE COUPLINGS ARE ALLOWED WHEN CONNECTING DISSIMILAR PIPE MATERIALS. CONTRACTOR TO VERIFY THE SIZE AND MATERIAL OF EXISTING LATERALS. USE A REDUCER WHEN CONNECTING DISSIMILAR PIPE SIZES.

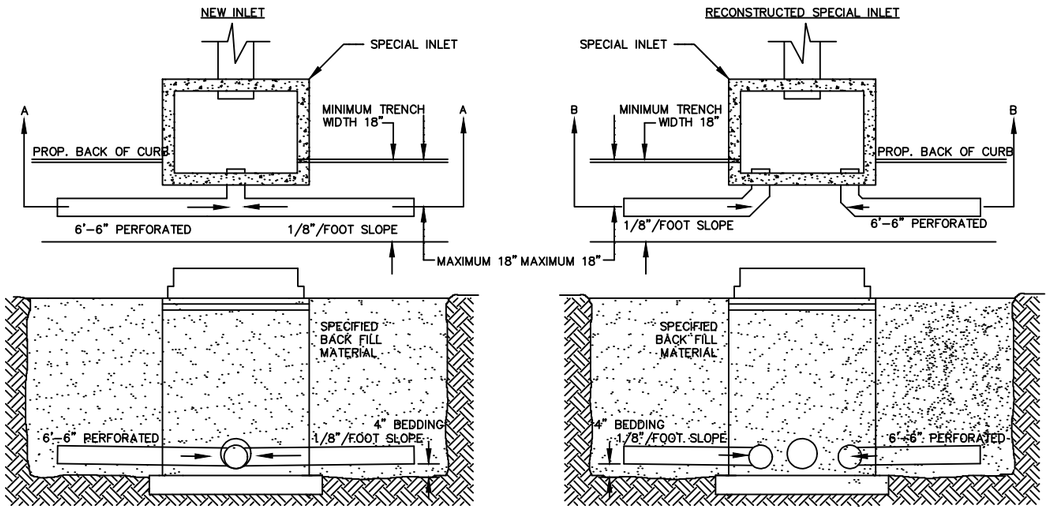
REMOVE AND REPLACE AND RELAY STORM SEWER LATERAL FROM MAIN TO A POINT TO 5 FT. BACK OF CURB. REDUCER REQUIRED AT A POINT 5 FT BEYOND THE PROPOSED BACK OF CURB FOR MATCHING EXISTING STORM LATERALS.

STORM SEWER LATERAL CONNECTION DETAIL









ALL TEES TO BE MANUFACTURED OR CORE DRILLED
NOTE: BULKHEAD ALL UNDER DRAIN AND STUBS

SECTION A-A

GENERAL NOTES:

① ALL INLETS IN RESIDENTIAL AREAS WILL BE CONSTRUCTED WITH 6-INCH PERFORATED UNDERDRAIN ATTACHED, AS SHOWN. AN ADDITIONAL 12" STUB SHALL BE REQUIRED IN COMMERCIAL AREAS. COST IS TO BE INCLUDED IN THE BID PRICE OF INLETS.

② 12" - COMMERCIAL/INDUSTRIAL AREAS MATCH FLOWLINE OF OUTLET

ALL TEES TO BE MANUFACTURED OR CORE DRILLED
NOTE: BULKHEAD ALL UNDER DRAIN AND STUBS

SECTION B-B

GENERAL NOTES:

① ALL INLETS TO BE REMOVED AND REPLACED SHALL CONSIST OF SAID INLETS BEING TOTALLY REMOVED AND REPLACED, INCLUDING: BASE, RISER SECTIONS, CASTING, AND FINAL ADJUSTMENT, UNLESS OTHERWISE NOTED.

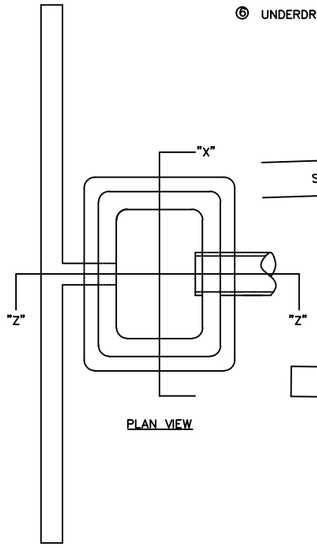
② ALL INLETS SHALL MEET ASTM C-478 STANDARDS FOR REINFORCED CONCRETE INLETS.

③ INLET CASTINGS SHALL BE NEENAH R-3067 FRAME, GRATE, & CURB BOX. CURB BOX SHALL HAVE THE ENVIRO-CURB LOGO.

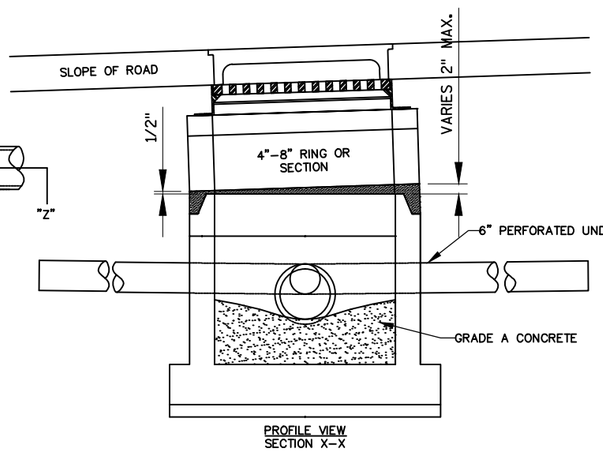
④ 6" UNDERDRAIN IN RESIDENTIAL AREAS.

⑤ AN ADDITIONAL 12" STUB SHALL BE REQUIRED IN COMMERCIAL AREAS.

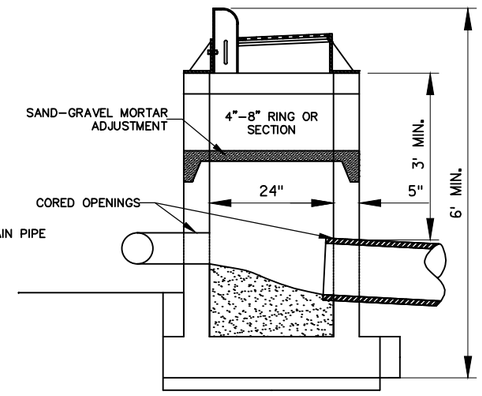
⑥ UNDERDRAIN SHALL BE PVC PIPE ONLY.



PLAN VIEW



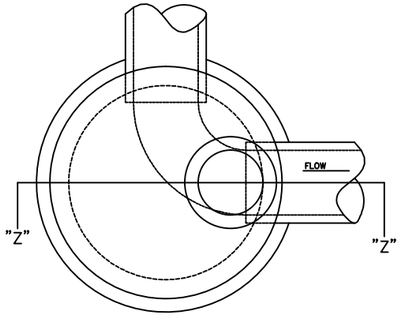
PROFILE VIEW
SECTION X-X



PROILE VIEW
SECTION Z-Z

INLET GB 2X3-FT

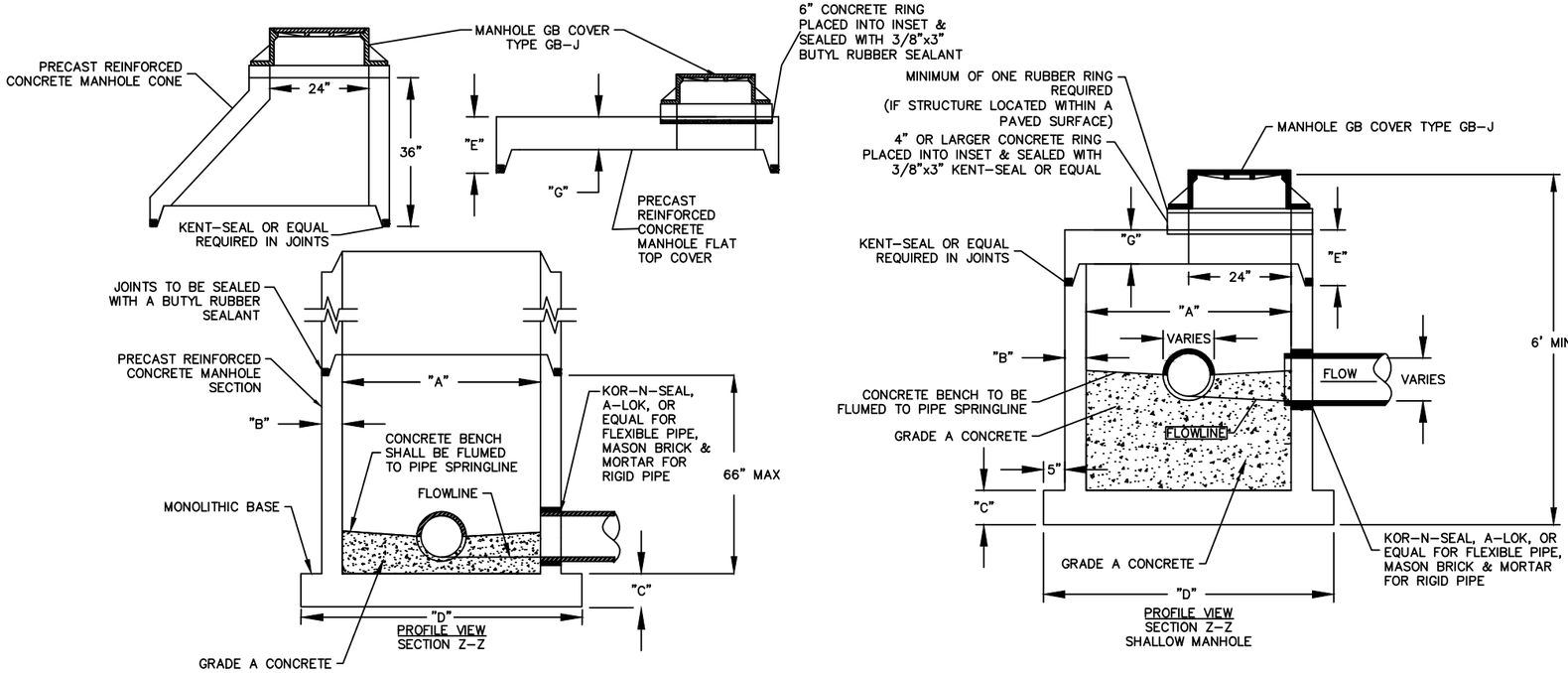
2



GENERAL NOTE:

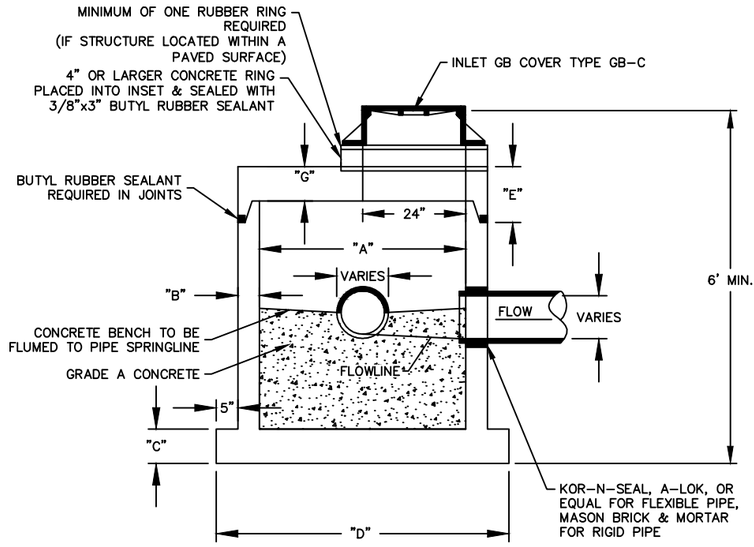
STEPS ARE PROHIBITED IN ALL MANHOLE SECTIONS.

MANHOLE INFORMATION KEY						
A	B	C	D	E	F	G
48"	5"	8"	68"	12"	0.12	8"
60"	6"	10"	80"	15"	0.17	10"
72"	7"	10"	96"	16"	0.18	10"
84"	8"	11"	120"	16"	0.20	11"
96"	9"	12"	126"	17"	0.24	12"



MANHOLE GB

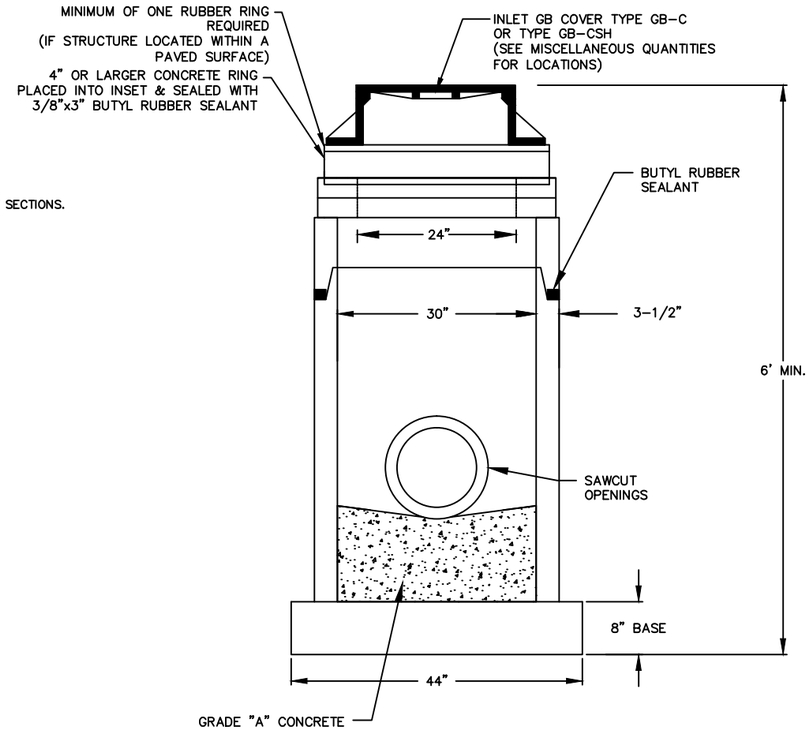
INLET INFORMATION KEY						
A	B	C	D	E	F	G
48"	5"	8"	68"	12"	0.12	8"
60"	6"	10"	80"	15"	0.17	10"
72"	7"	10"	96"	16"	0.18	10"
84"	8"	11"	120"	16"	0.20	11"
96"	9"	12"	126"	17"	0.24	12"



INLET GB 4-FT, 5-FT, & 7-FT

GENERAL NOTE:

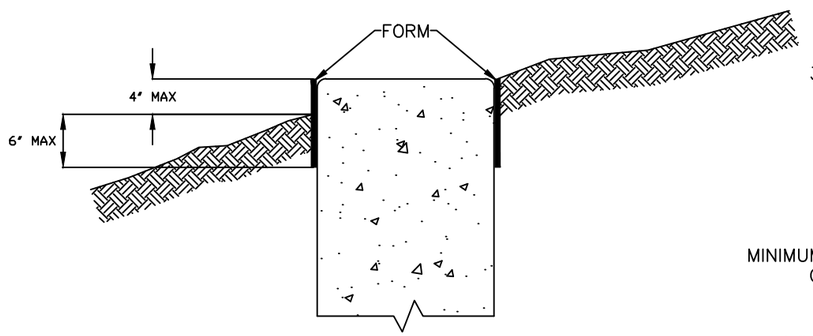
STEPS ARE PROHIBITED IN ALL INLET SECTIONS.



INLET GB 2.5-FT

NOTES:

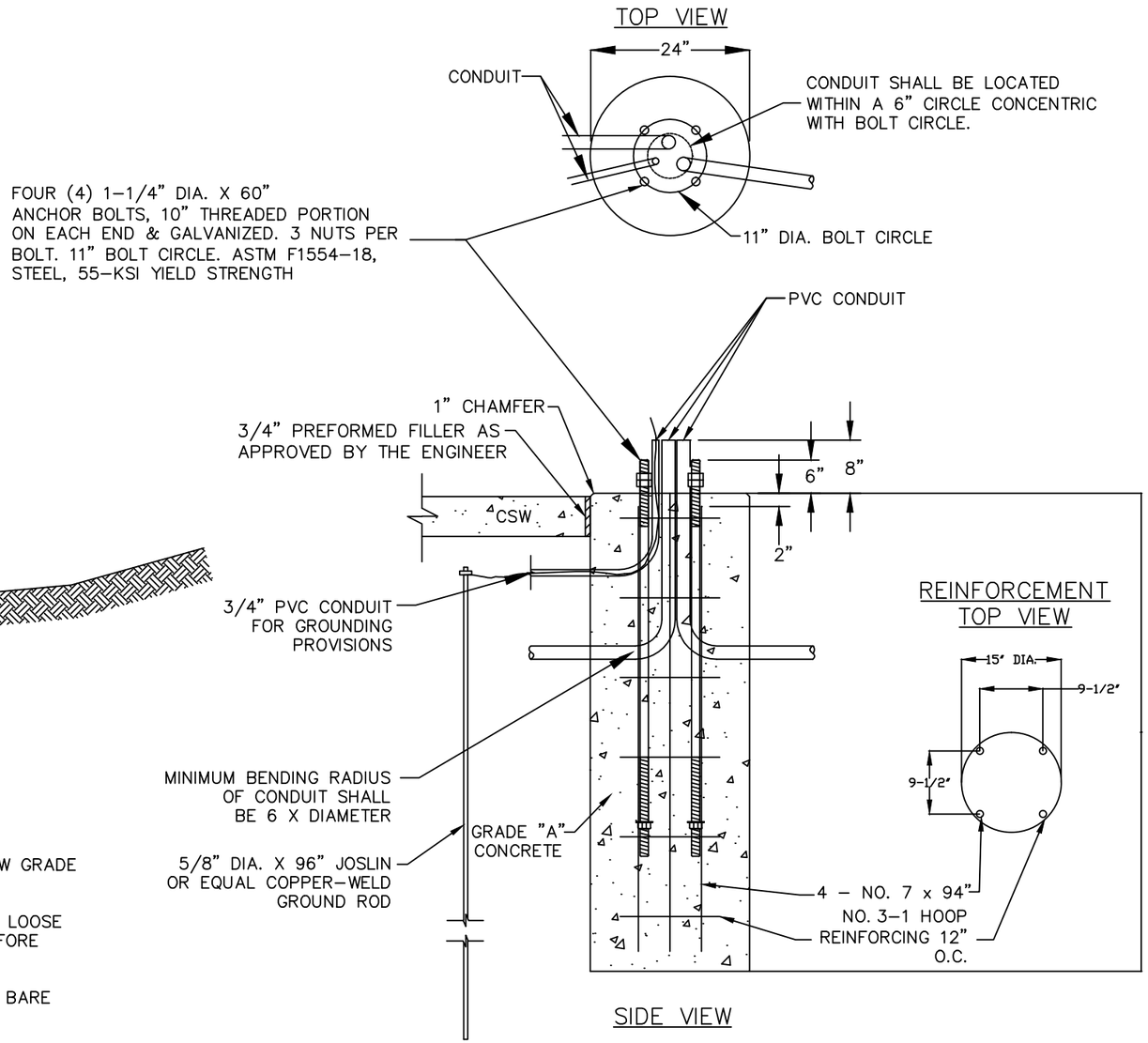
1. LOCATION OF BASE SHALL BE A MINIMUM OF 30" FROM BACK OF CURB TO CENTER OF BASE AND 30" FROM END OF RADIUS.
2. GROUNDING WIRE TO BE #6 BARE COPPER. ACORN CONNECTOR TO BE SIZED FOR GROUNDING ROD AND WIRE. WIRE TO BE EXPOSED A MINIMUM OF 36" ABOVE BASE FOR GROUNDING OF POLE.
3. SEE CONDUIT LAYOUT FOR PROPER CONDUIT SIZE.
4. ANCHOR BOLT SQUARE SHALL BE ORIENTED PARALLEL TO ROADWAY.
5. TOP OF BASE TO BE AT CURB GRADE PLUS 1" PLUS 1/4" PER FOOT BEHIND CURB.



A. FORM DEPTH SHALL BE NO MORE THAN 6" BELOW GRADE ON THE LOWER SIDE OF THE BASE.

B. IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE DIRT OR FILL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING AROUND THE BASE.

C. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BARE CONCRETE BASE IN LAYERS OF 12" OR LESS.



CONCRETE BASES TYPE 2 SPECIAL

PROJECT NO: 4987-02-65	HWY: N. WEBSTER AVE.	COUNTY: BROWN	CONSTRUCTION DETAILS	SHEET 21	E

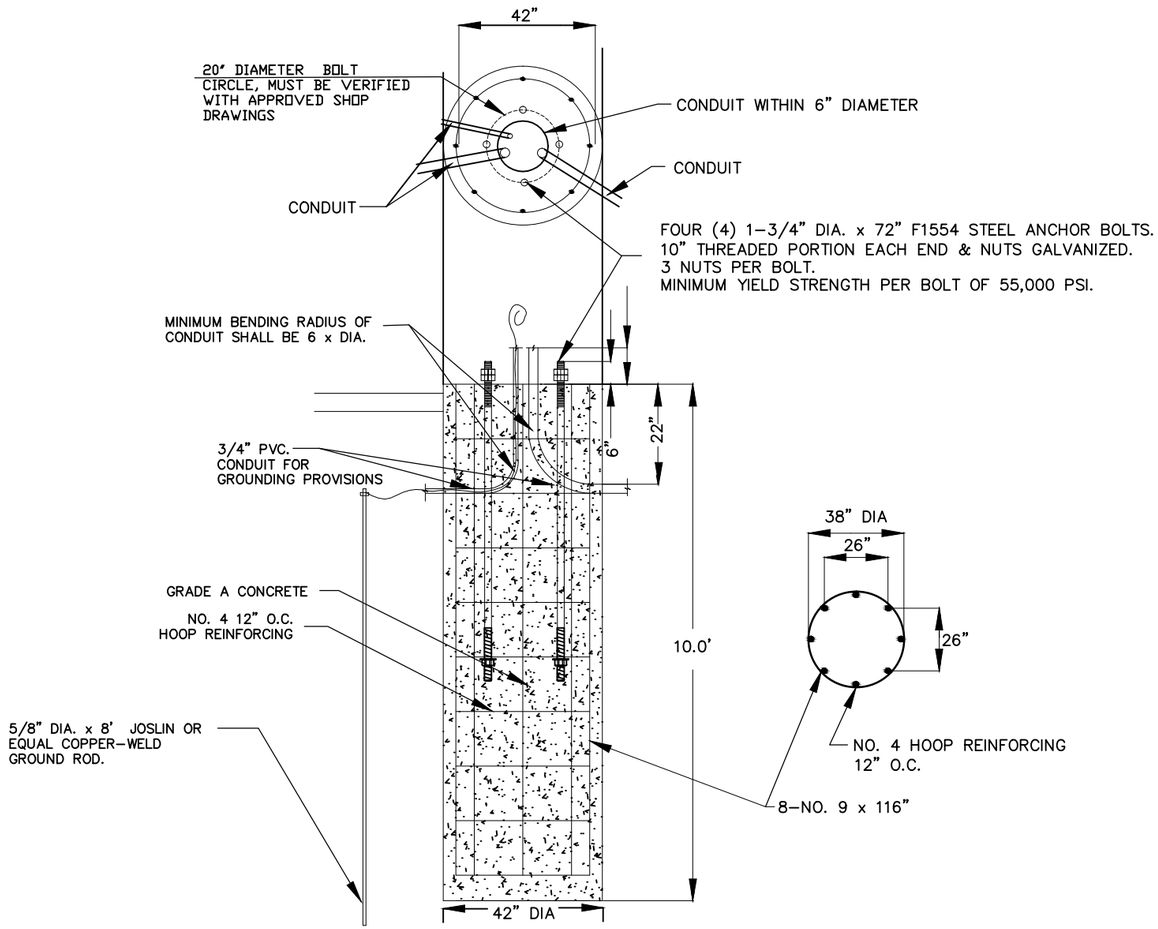
NOTE :
LOCATION OF BASE SHALL BE A MINIMUM OF 30" FROM BACK OF CURB TO CENTER OF BASE AND 30" FROM END OF RADIUS.

GROUNDING WIRE TO BE #6 BARE COPPER. ACORN CONNECTOR TO BE SIZED FOR GROUNDING ROD AND WIRE. WIRE TO BE EXPOSED A MINIMUM OF 3' ABOVE BASE FOR GROUNDING OF POLE.

SEE CONDUIT LAYOUT FOR PROPER CONDUIT SIZE.

ANCHOR BOLT SQUARE SHALL BE ORIENTED PARALLEL TO ROADWAY.

TOP OF BASE TO BE AT CURB GRADE PLUS 1" PLUS 1/4"/FT. BEHIND CURB.



CONCRETE BASES TYPE 4 SPECIAL

2

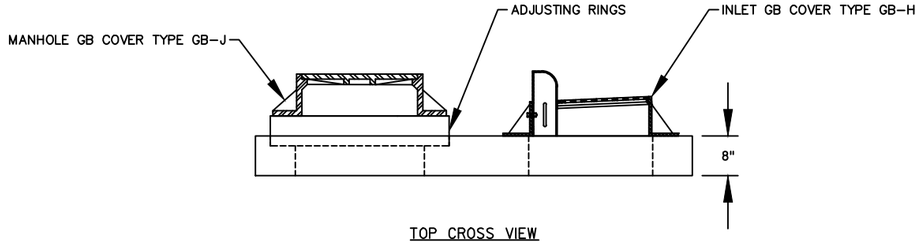
GENERAL NOTES:

NEW REINFORCED CONCRETE MANHOLE SECTIONS SHALL MEET ASTM C-478

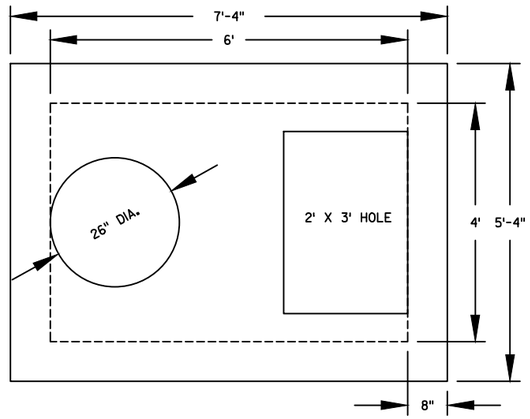
NEW MANHOLE SECTIONS SHALL BE REINFORCED, PRE-CAST CONCRETE

STEPS ARE PROHIBITED IN ALL MANHOLE SECTIONS

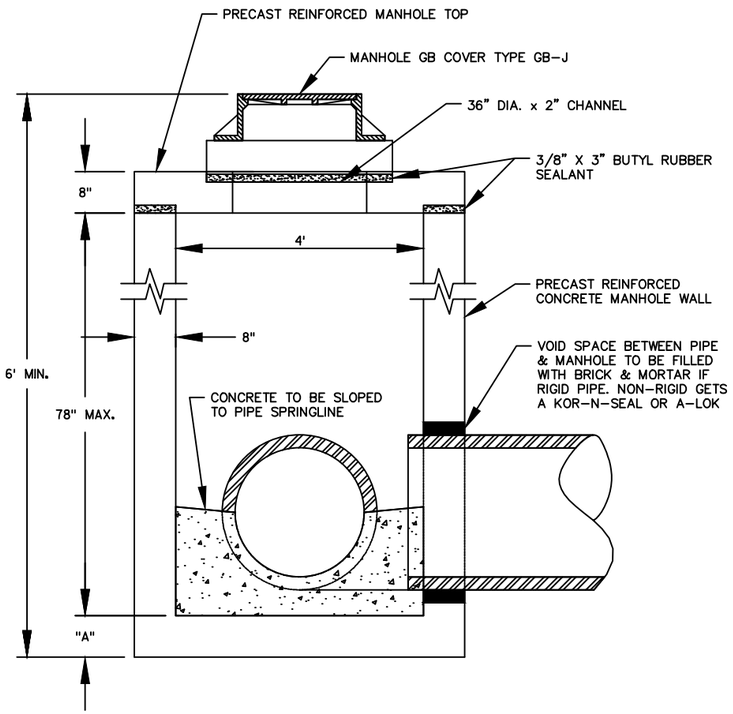
26" DIA. OPENING FOR MANHOLE COVER SHALL NOT BE INCLUDED WITHIN THE PRECAST REINFORCED MANHOLE TOP OF STRUCTURE NO. 10C.



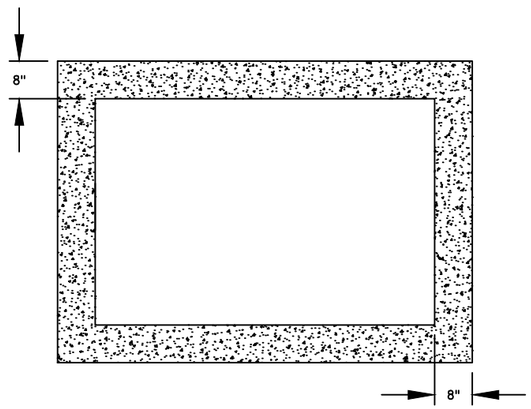
TOP CROSS VIEW



TOP PLAN VIEW



MANHOLE BASE THICKNESS "A"	
MANHOLE DEPTH 0-10'	8"
MANHOLE DEPTH 10'-18'	10"
MANHOLE DEPTH OVER 18'	12"



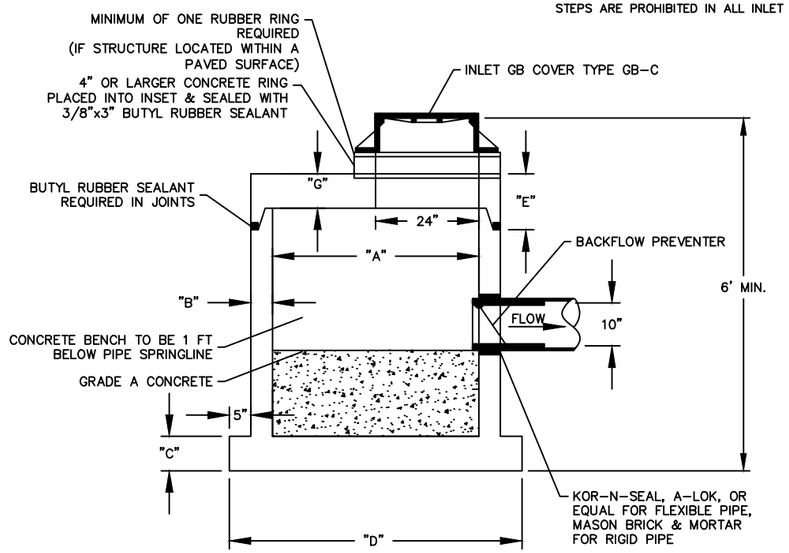
WALL VIEW

INLET GB 4-FT X 6-FT

INLET INFORMATION KEY						
A	B	C	D	E	F	G
48"	5"	8"	68"	12"	0.12	8"
60"	6"	10"	80"	15"	0.17	10"
72"	7"	10"	96"	16"	0.18	10"
96"	9"	12"	126"	17"	0.24	12"

GENERAL NOTE:

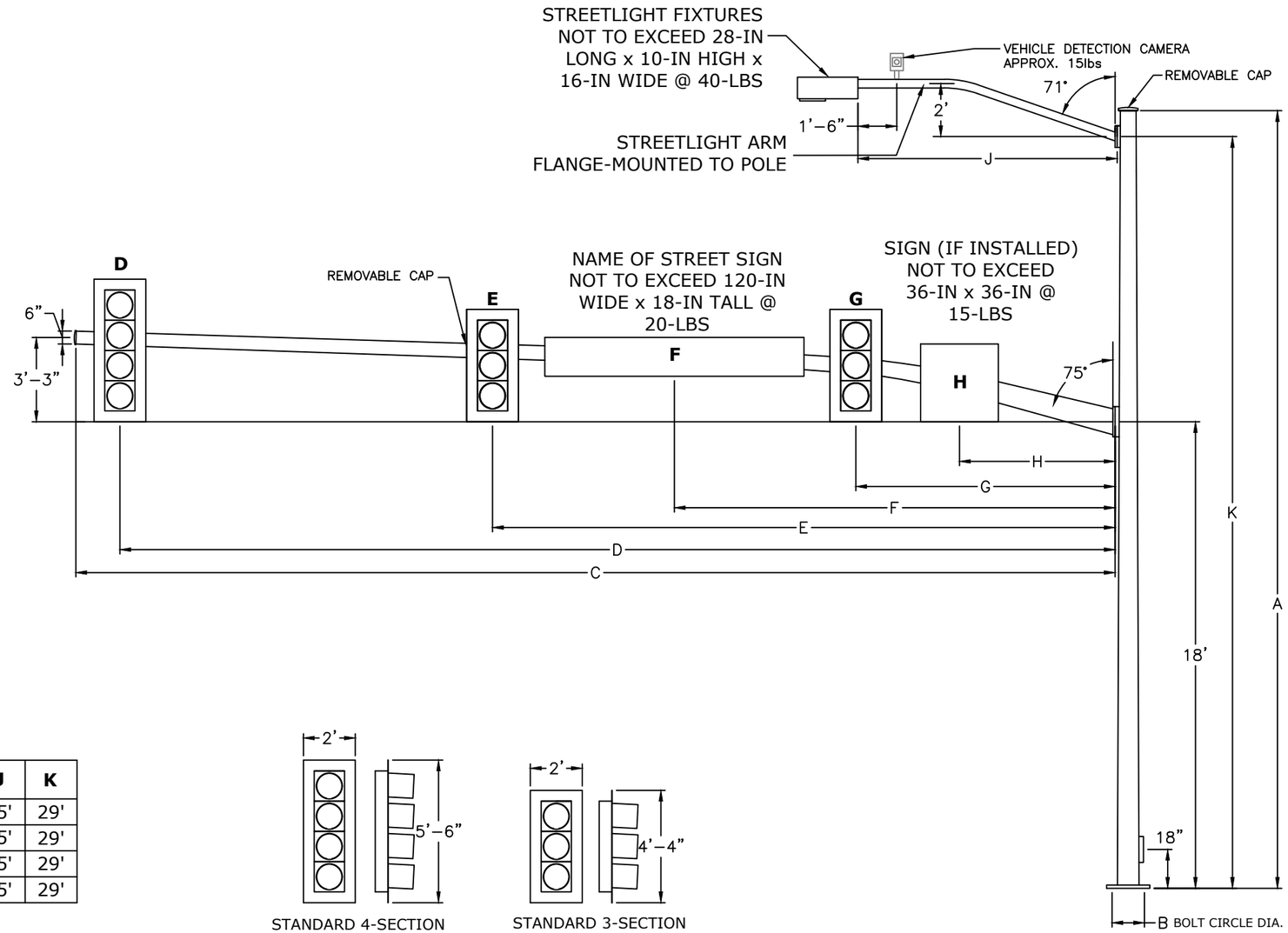
STEPS ARE PROHIBITED IN ALL INLET SECTIONS.



INLET GB 4-FT WITH BACKFLOW PREVENTER

PROJECT NO: 4987-02-65	HWY: N. WEBSTER AVE.	COUNTY: BROWN	CONSTRUCTION DETAILS	SHEET 23	E

2



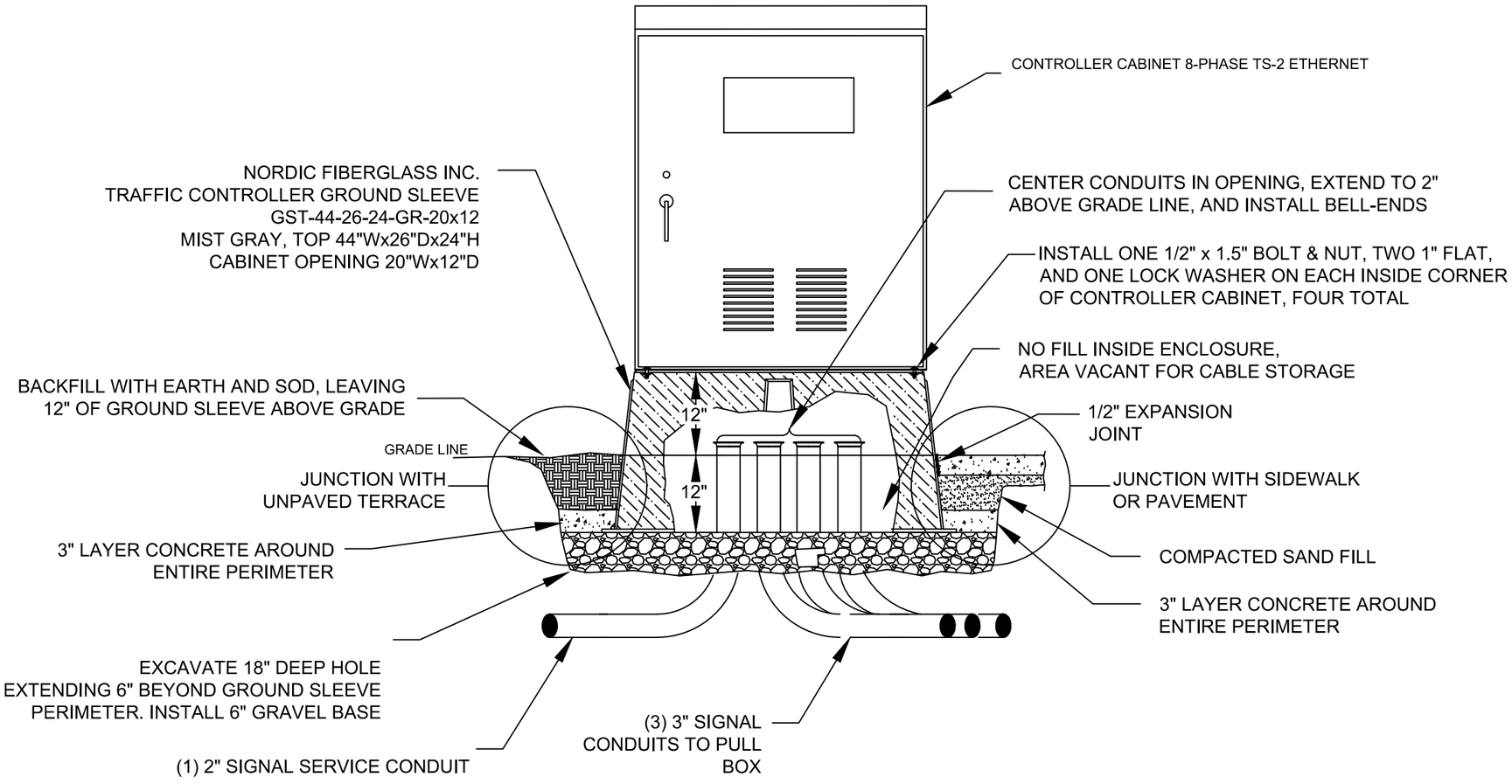
SCHEDULE

BASE	FINISH	QTY	A	B	C	D	E	F	G	H	J	K
SB1	GALV/BLACK	1	30'	20"	45'	42'	30'	25'	14'	6'	15'	29'
SB4	GALV/BLACK	1	30'	20"	40'	37'	31'	25'	14'	6'	15'	29'
SB7	GALV/BLACK	1	30'	20"	40'	36'	31'	25'	14'	6'	15'	29'
SB10	GALV/BLACK	1	30'	20"	40'	36'	31'	25'	14'	6'	15'	29'

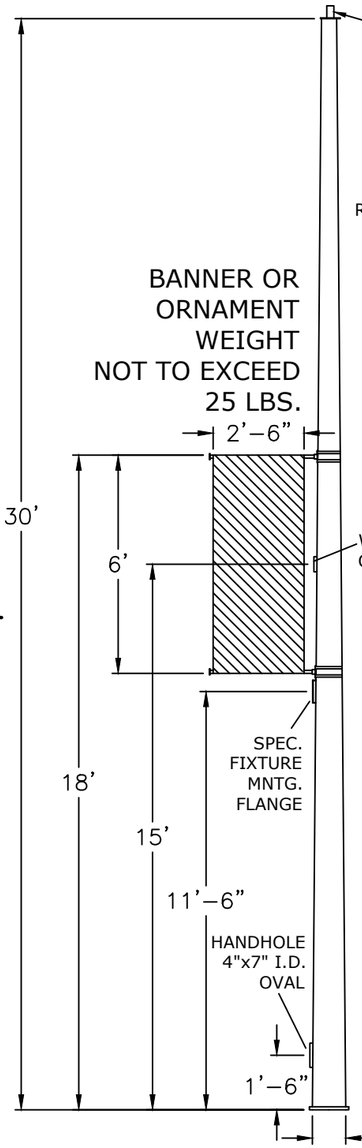
STANDARD 4-SECTION SIGNAL = 43-LBS, 11 SQ FT FRONTAL SURFACE AREA

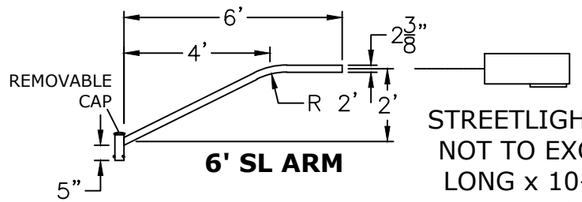
STANDARD 3-SECTION SIGNAL = 35-LBS, 8.7 SQ FT FRONTAL SURFACE AREA

2



PROJECT NO: 4987-02-65	HWY: N. WEBSTER AVE.	COUNTY: BROWN	CONSTRUCTION DETAIL - TRAFFIC CONTROL GROUND SLEEVE	SHEET 25	E



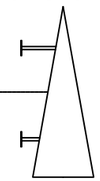


6' SL ARM

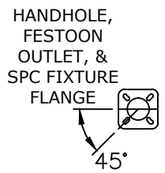
STREETLIGHT FIXTURES NOT TO EXCEED 28-IN LONG x 10-IN HIGH x 16-IN WIDE @ 40-LBS

BANNER OR ORNAMENT WEIGHT NOT TO EXCEED 25 LBS.

STREETLIGHTS, BANNERS, BANNER ARMS, AND ORNAMENTS PROVIDED BY OTHERS. SHOWN FOR LOADING DESIGN PURPOSES ONLY

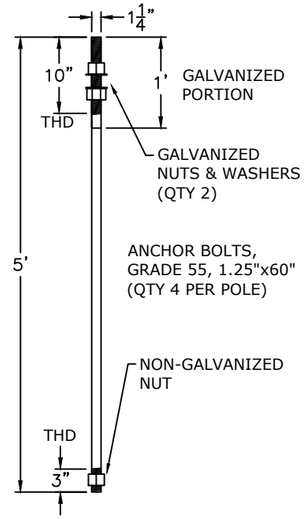


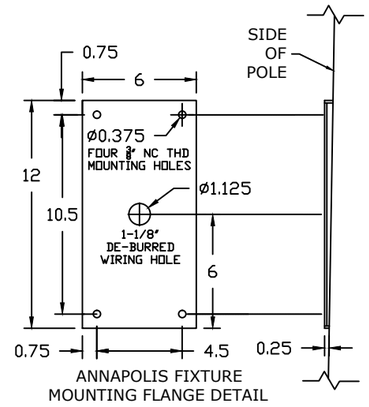
POLE ORNAMENTS MAY BE SUBSTITUTED FOR BANNERS WHERE BANNERS ARE SHOWN. POLE ORNAMENTS NOT TO EXCEED 15-FT SQ. SURFACE AREA @ 25 LBS EACH



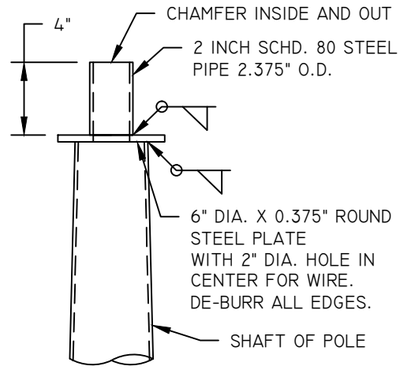
P2 TENON STREETLIGHT POLE WITH FESTOON OUTLET AND SPECIAL FIXTURE MOUNTING FLANGE

FINISH
GALV./BLACK





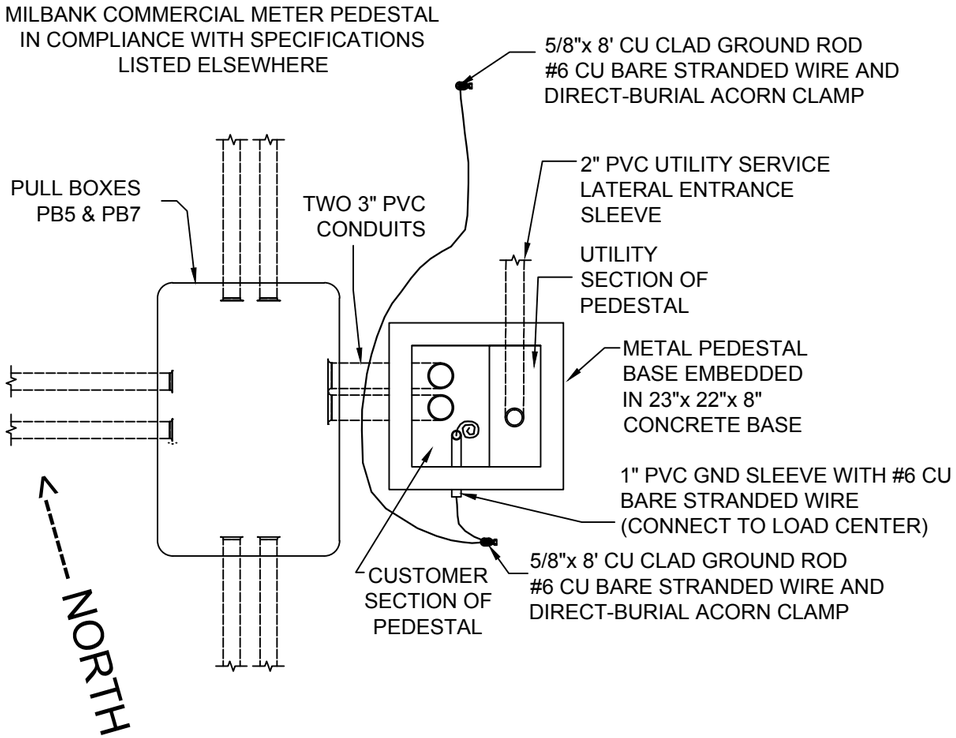
ANNAPOLIS FIXTURE MOUNTING FLANGE DETAIL

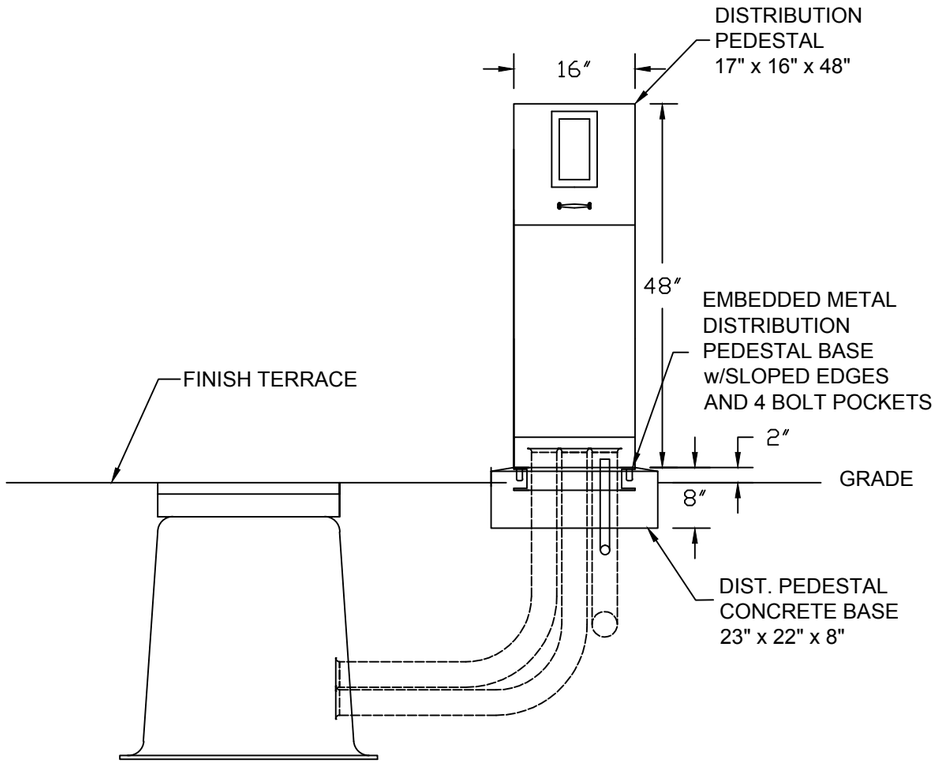


P2 TENON DETAIL

POLE TYPE 2 30-FEET

2





ELECTRIC SERVICE METER BREAKER PEDESTAL DETAIL

PROJECT NO: 4987-02-65	HWY: N. WEBSTER AVE.	COUNTY: BROWN	CONSTRUCTION DETAILS	SHEET 27	E

2

LEGEND

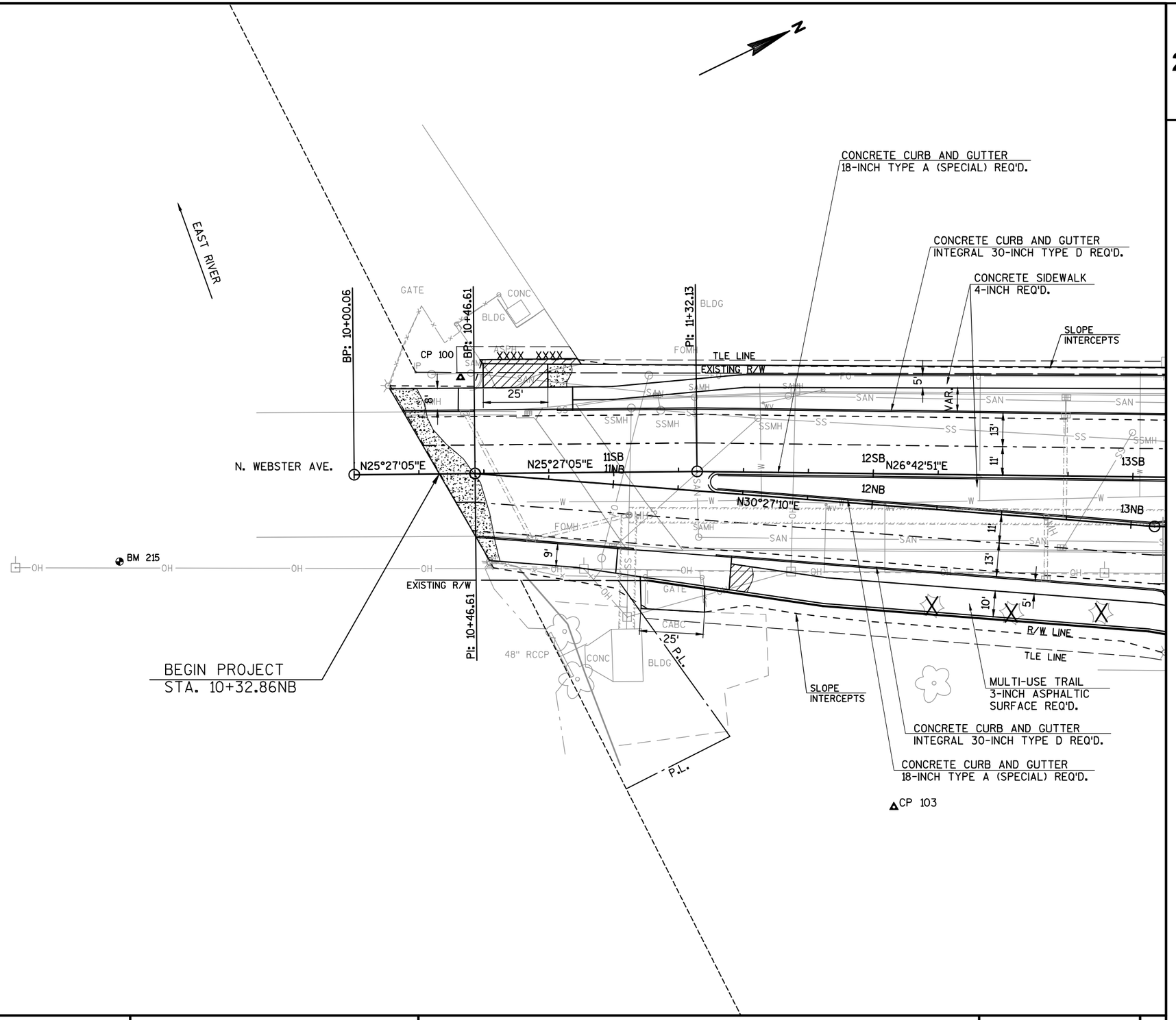
X TREE TO BE REMOVED

XXXX SAW CUT REQ'D.

LIMITS OF CONCRETE

LIMITS OF HMA PAVEMENT/ ASPHALTIC SURFACE

NOTE: ALL MEDIAN NOSES ARE TYPE 1 UNLESS OTHERWISE NOTED.



PROJECT NO: 4987-02-65	HWY: N. WEBSTER AVE.	COUNTY: BROWN	PLAN DETAIL	SHEET 28	E

2

LEGEND

- X — TREE TO BE REMOVED
- XXXX — SAW CUT REQ'D.
- LIMITS OF CONCRETE
- LIMITS OF HMA PAVEMENT/ ASPHALTIC SURFACE

NOTE: ALL MEDIAN NOSES ARE TYPE 1 UNLESS OTHERWISE NOTED.

CP 106
EXISTING R/W
UNIVERSITY AVE.
CONSTRUCTION LIMITS
STA. 8+92.50EB
S63°38'04"E
ENTRANCE
BURIED FIBER OPTIC
(APPROXIMATE LOCATION)
STA. 15+29.27NB N. WEBSTER AVE.=
STA. 9+80.99UNE UNIVERSITY AVE.
CURB RAMP
TYPE 1 REQ'D.
CONCRETE SAFETY
ISLAND REQ'D.
FIRE STATION
ASPH
PARKING
STA. 15+69.29NB N. WEBSTER AVE.=
STA. 9+81.59UNW UNIVERSITY AVE.
CONCRETE SIDEWALK
4-INCH REQ'D.
CONCRETE CURB AND GUTTER
INTEGRAL 30-INCH TYPE D (SPECIAL) REQ'D.
CONCRETE CURB AND GUTTER
18-INCH TYPE A (SPECIAL) REQ'D.
SLOPE
INTERCEPTS
CONCRETE CURB AND GUTTER
INTEGRAL 30-INCH TYPE D REQ'D.
CONCRETE CURB AND GUTTER
18-INCH TYPE A (SPECIAL) REQ'D.
SLOPE
INTERCEPT
CONCRETE SIDEWALK
4-INCH REQ'D.
PI: 14+91.96SB
TLE LINE
EXISTING R/W
CP 105
N. WEBSTER AVE.
13SB
14SB
15SB
16SB
17SB
18SB
19SB
13NB
14NB
15NB
16NB
17NB
18NB
19NB
N26°42'51"E
N27°13'31"E
N28°39'26"E
CP 101
PI: 13+09.08NB
R/W LINE
ASPH
CE
SLOPE
INTERCEPTS
CP 104
CONCRETE CURB AND GUTTER
INTEGRAL 30-INCH TYPE D REQ'D.
MULTI-USE TRAIL
3-INCH ASPHALTIC
SURFACE REQ'D.
PI: 14+92.42NB
CURB RAMP
TYPE 1 SPECIAL
REQ'D.
CONCRETE CURB AND GUTTER
18-INCH TYPE A (SPECIAL) REQ'D.
STA. 15+30.45NB N. WEBSTER AVE.=
STA. 10+00.00UNE UNIVERSITY AVE.
CONSTRUCTION LIMITS
STA. 10+83EB
S63°35'22"E
CURB RAMP
TYPE 1 SPECIAL
REQ'D.
PI: 16+73.30NB
STA. 15+70.36NB N. WEBSTER AVE.=
STA. 10+00.60UNW UNIVERSITY AVE.
CONCRETE SAFETY
ISLAND REQ'D.
CAUTION
BURIED GAS LINE
(APPROXIMATE LOCATION)
ASPH
ALLEY
SLOPE
INTERCEPTS
CONCRETE CURB AND GUTTER
18-INCH TYPE A (SPECIAL) REQ'D.
PI: 18+73.36NB
CONCRETE CURB AND GUTTER
INTEGRAL 30-INCH TYPE D REQ'D.
BURIED FIBER OPTIC
(APPROXIMATE LOCATION)

PROJECT NO: 4987-02-65	HWY: N. WEBSTER AVE.	COUNTY: BROWN	PLAN DETAIL	SHEET 29	E

FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\021202 PD.DWG
LAYOUT NAME - 021202 PD
PLOT DATE : 1/10/2019 9:35 AM PLOT BY : VERVILLE, PHILLIP PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- X — TREE TO BE REMOVED
- XXXX — SAW CUT REQ'D.
- LIMITS OF CONCRETE
- LIMITS OF HMA PAVEMENT/ ASPHALTIC SURFACE

NOTE: ALL MEDIAN NOSES ARE TYPE 1 UNLESS OTHERWISE NOTED.

CONSTRUCTION LIMITS STA. 9+00

CONCRETE CURB AND GUTTER 24-INCH TYPE D REQ'D.

CURB RAMP TYPE 2 REQ'D.

TLE LINE

HARVEY ST.

EXISTING R/W

CONCRETE CURB AND GUTTER 24-INCH TYPE D REQ'D.

STA AHEAD = 19+73.18
STA BACK = 19+72.43

EQUATION

PI STA. 19+73.18SB N. WEBSTER AVE. AH= STA. 9+76.00 HARVEY ST.

BM 216

CURB RAMP TYPE 2 REQ'D.

TLE LINE

EXISTING R/W

CONCRETE SIDEWALK 4-INCH REQ'D.

CONCRETE CURB AND GUTTER 18-INCH TYPE A (SPECIAL) REQ'D.

CONCRETE CURB AND GUTTER INTEGRAL 30-INCH TYPE D REQ'D.

CONSTRUCTION LIMITS STA. 9+10.00

CONCRETE CURB AND GUTTER INTEGRAL 30-INCH TYPE D REQ'D.

CURB RAMP TYPE 1 REQ'D.

SLOPE INTERCEPTS

TLE LINE

CP 107

EXISTING R/W

DAY ST.

CONCRETE CURB AND GUTTER INTEGRAL 30-INCH TYPE D REQ'D.

STA. 23+66.62SB N. WEBSTER AVE.= STA. 9+75.99 DAY ST.

CURB RAMP TYPE 1 REQ'D.

TLE LINE

25'

19SB N27°13'31"E 20SB 21SB 22SB N26°27'35"E 23SB 24SB N26°27'35"E 25SB

19NB N27°13'31"E 20NB 21NB 22NB N26°27'35"E 23NB 24NB N26°27'35"E 25NB

S63°21'03"E

S65°17'24"E

CP 102

CP 108

CURB RAMP TYPE 2 REQ'D.

CURB RAMP TYPE 2 REQ'D.

R/W LINE

CURB RAMP TYPE 2 SPECIAL REQ'D.

CONCRETE CURB AND GUTTER 24-INCH TYPE D REQ'D.

CONSTRUCTION LIMITS STA. 10+75

HARVEY ST.

S63°30'56"E

EXISTING R/W

CURB RAMP TYPE 2 SPECIAL REQ'D.

TLE LINE

PI STA. 19+73.02NB N. WEBSTER AVE.= STA. 10+00.00 HARVEY ST.

CONCRETE CURB AND GUTTER 24-INCH TYPE D REQ'D.

R/W LINE

SLOPE INTERCEPTS

R/W LINE

BURIED FIBER OPTIC (APPROXIMATE LOCATION)

CONCRETE CURB AND GUTTER 18-INCH TYPE A (SPECIAL) REQ'D.

CURB RAMP TYPE 2 REQ'D.

CURB RAMP TYPE 2 SPECIAL REQ'D.

CAUTION

BURIED GAS LINE (APPROXIMATE LOCATION)

CONCRETE CURB AND GUTTER 24-INCH TYPE D REQ'D.

CONCRETE CURB AND GUTTER INTEGRAL 30-INCH TYPE D REQ'D.

CONSTRUCTION LIMITS STA. 10+75

DAY ST.

S63°30'09"E

EXISTING R/W

CURB RAMP TYPE 2 REQ'D.

R/W LINE

CURB RAMP TYPE 2 SPECIAL REQ'D.

MULTI-USE TRAIL 3-INCH ASPHALTIC SURFACE REQ'D.

STA. 23+67.35NB N. WEBSTER AVE.= STA. 10+00.00 DAY ST.

CONCRETE CURB AND GUTTER 24-INCH TYPE D REQ'D.

PROJECT NO: 4987-02-65	HWY: N. WEBSTER AVE.	COUNTY: BROWN	PLAN DETAIL	SHEET 30	E

FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\021203 PD.DWG
LAYOUT NAME - 021203 PD

PLOT DATE : 2/1/2019 11:24 AM PLOT BY : VERVILLE, PHILLIP PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

LEGEND

X — TREE TO BE REMOVED

XXXX — SAW CUT REQ'D.

LIMITS OF CONCRETE

LIMITS OF HMA PAVEMENT/ ASPHALTIC SURFACE

NOTE: ALL MEDIAN NOSES ARE TYPE 1 UNLESS OTHERWISE NOTED.

EXISTING R/W

SMITH ST.

S63°26'38"E

9SM

EXISTING R/W

CONSTRUCTION LIMITS
STA. 9+15

CONCRETE CURB AND GUTTER
18-INCH TYPE A (SPECIAL) REQ'D.

CONCRETE CURB AND GUTTER
INTEGRAL 30-INCH TYPE D REQ'D.

TLE LINE

CURB RAMP
TYPE 1 REQ'D.

SLOPE
INTERCEPTS

CP 109

CONCRETE CURB AND GUTTER
INTEGRAL 30-INCH TYPE D REQ'D.

STA. 27+56.36SB N. WEBSTER AVE.=
STA. 9+76.00 SMITH ST.

CURB RAMP
TYPE 1 REQ'D.

CONCRETE CURB AND GUTTER
INTEGRAL 30-INCH TYPE D
(SPECIAL) REQ'D.

TLE LINE

CP 111

TLE LINE

25SB N26°27'35"E 26SB 27SB 28SB 29SB 30SB N26°27'35"E 31SB

N. WEBSTER AVE.

25NB N26°27'35"E 26NB 27NB 28NB 29NB 30NB N26°27'35"E 31NB

CP 110

CURB RAMP
TYPE 2 REQ'D.

R/W LINE

CURB RAMP
TYPE 2 REQ'D.

CONCRETE CURB AND GUTTER
18-INCH TYPE A (SPECIAL) REQ'D.

CURB RAMP
TYPE 2 SPECIAL
REQ'D.

CONCRETE CURB AND GUTTER
INTEGRAL 30-INCH TYPE D REQ'D.

CONCRETE CURB AND GUTTER
24-INCH TYPE D REQ'D.

BURIED GAS LINE
(APPROXIMATE LOCATION)

CAUTION

CONSTRUCTION LIMITS
STA. 10+53

15SM S63°26'38"E

SMITH ST.

EXISTING R/W

R/W LINE

CURB RAMP
TYPE 2 SPECIAL
REQ'D.

BURIED FIBER OPTIC
(APPROXIMATE LOCATION)

STA. 27+56.45NB N. WEBSTER AVE.=
STA. 10+00.00 SMITH ST.

CONCRETE CURB AND GUTTER
24-INCH TYPE D REQ'D.

R/W LINE

EXISTING R/W

SLOPE
INTERCEPTS

MULTI-USE TRAIL
3-INCH ASPHALTIC
SURFACE REQ'D.

R/W LINE

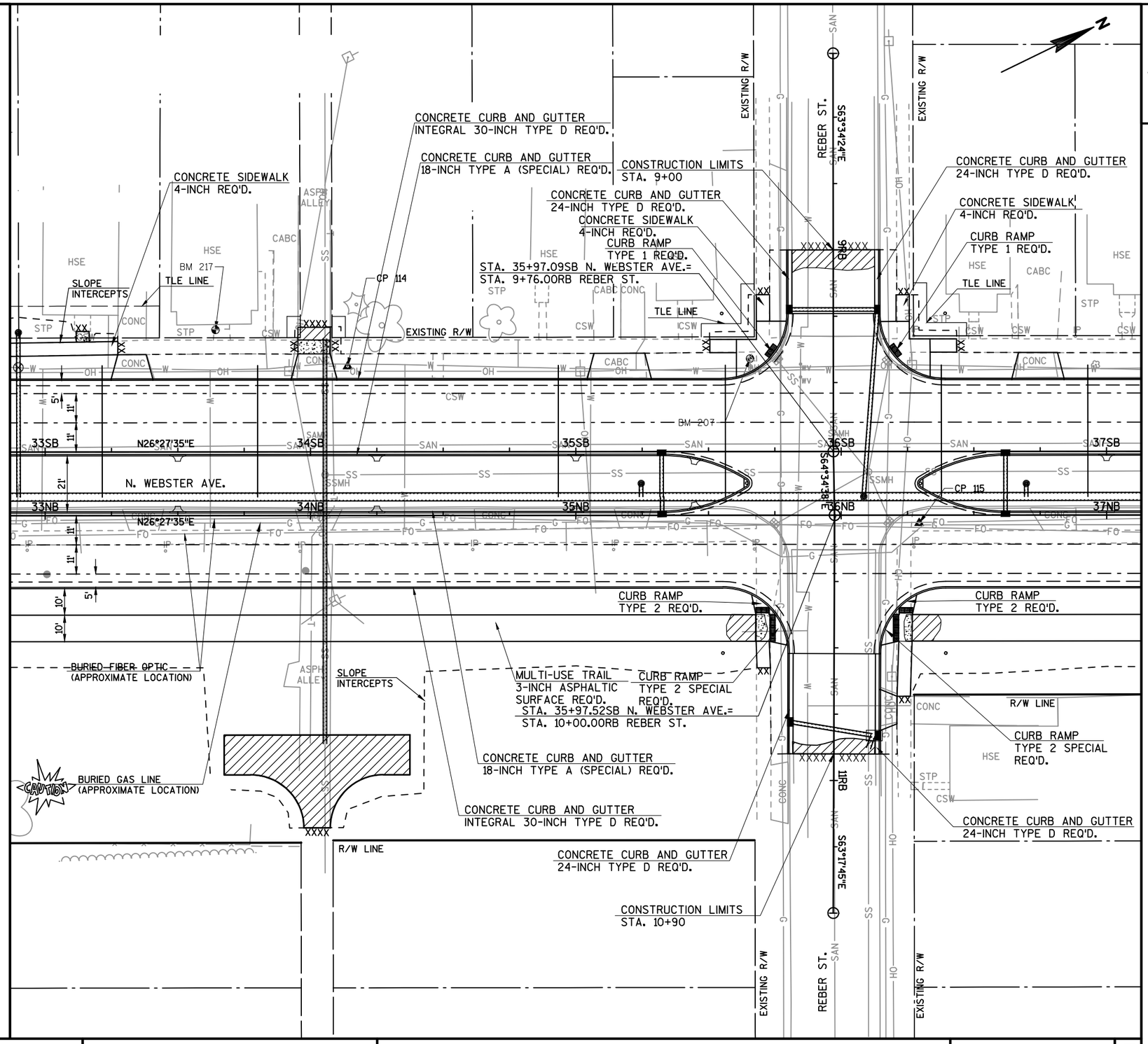
PROJECT NO: 4987-02-65	HWY: N. WEBSTER AVE.	COUNTY: BROWN	PLAN DETAIL	SHEET 31	E

FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\021204 PD.DWG
LAYOUT NAME - 021204 PD

PLOT DATE : 1/10/2019 10:14 AM PLOT BY : VERVILLE, PHILLIP PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

NOTE:
SEE PLAN DETAIL FOR EASTMAN ST.
AND N. WEBSTER AVE. INTERSECTION.



LEGEND

X TREE TO BE REMOVED

XXXX SAW CUT REQ'D.

LIMITS OF CONCRETE

LIMITS OF HMA PAVEMENT/
ASPHALTIC SURFACE

PROJECT NO: 4987-02-65	HWY: N. WEBSTER AVE.	COUNTY: BROWN	PLAN DETAIL	SHEET	E

FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\021205 PD.DWG
LAYOUT NAME - 021205 PD
PLOT DATE : 11/1/2018 2:56 PM PLOT BY : VERVILLE, PHILLIP PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

CONCRETE CURB AND GUTTER
18-INCH TYPE A (SPECIAL) REQ'D.

CONSTRUCTION LIMITS
STA. 8+95

CONCRETE CURB AND GUTTER
24-INCH TYPE D REQ'D.

TLE LINE

CURB RAMP
TYPE 1 REQ'D.

CONCRETE SIDEWALK
4-INCH REQ'D.

EXISTING R/W

CP 116

BERNER ST.
S63°38'09"E

EXISTING R/W

CONCRETE CURB AND GUTTER
24-INCH TYPE D REQ'D.
STA. 39+87.68SB N. WEBSTER AVE.=
STA. 9+76.00 BERNER ST.

TLE LINE

CURB RAMP
TYPE 1 REQ'D.

CONCRETE SIDEWALK
4-INCH REQ'D.

SLOPE
INTERCEPTS

REMOVE
ENTRANCE

BM 218

CONCRETE CURB AND GUTTER
INTEGRAL 30-INCH TYPE D REQ'D.

CP 118

EXISTING R/W
25'

42+60

5'
11'
11'
21'
11'
11'
10'
10'
5'

37SB
38SB
N26°27'35"E
39SB
40SB
41SB
42SB
N26°27'35"E
43SB

N. WEBSTER AVE.

37NB
38NB
N26°27'35"E
39NB
40NB
41NB
42NB
N26°27'35"E
43NB

10BR

S62°57'47"E

CP 117

CURB RAMP
TYPE 2 REQ'D.

CURB RAMP
TYPE 2 REQ'D.

R/W LINE

R/W LINE

MULTI-USE TRAIL
3-INCH ASPHALTIC
SURFACE REQ'D.

CURB RAMP
TYPE 2 SPECIAL
REQ'D.

CURB RAMP
TYPE 2 SPECIAL
REQ'D.

BURIED FIBER OPTIC
(APPROXIMATE LOCATION)

R/W LINE

CONCRETE CURB AND GUTTER
18-INCH TYPE A (SPECIAL) REQ'D.

CAUTION

BURIED GAS LINE
(APPROXIMATE LOCATION)

CONCRETE CURB AND GUTTER
30-INCH TYPE D INTEGRAL REQ'D.

STA. 39+87.44NB N. WEBSTER AVE.=
STA. 10+00.00 BERNER ST.

CONCRETE CURB AND GUTTER
30-INCH TYPE D INTEGRAL REQ'D.

SLOPE
INTERCEPTS

CONCRETE CURB AND GUTTER
30-INCH TYPE D INTEGRAL REQ'D.

CONSTRUCTION LIMITS
STA. 10+85

18BR

BERNER ST.
S63°38'40"E

EXISTING R/W

EXISTING R/W

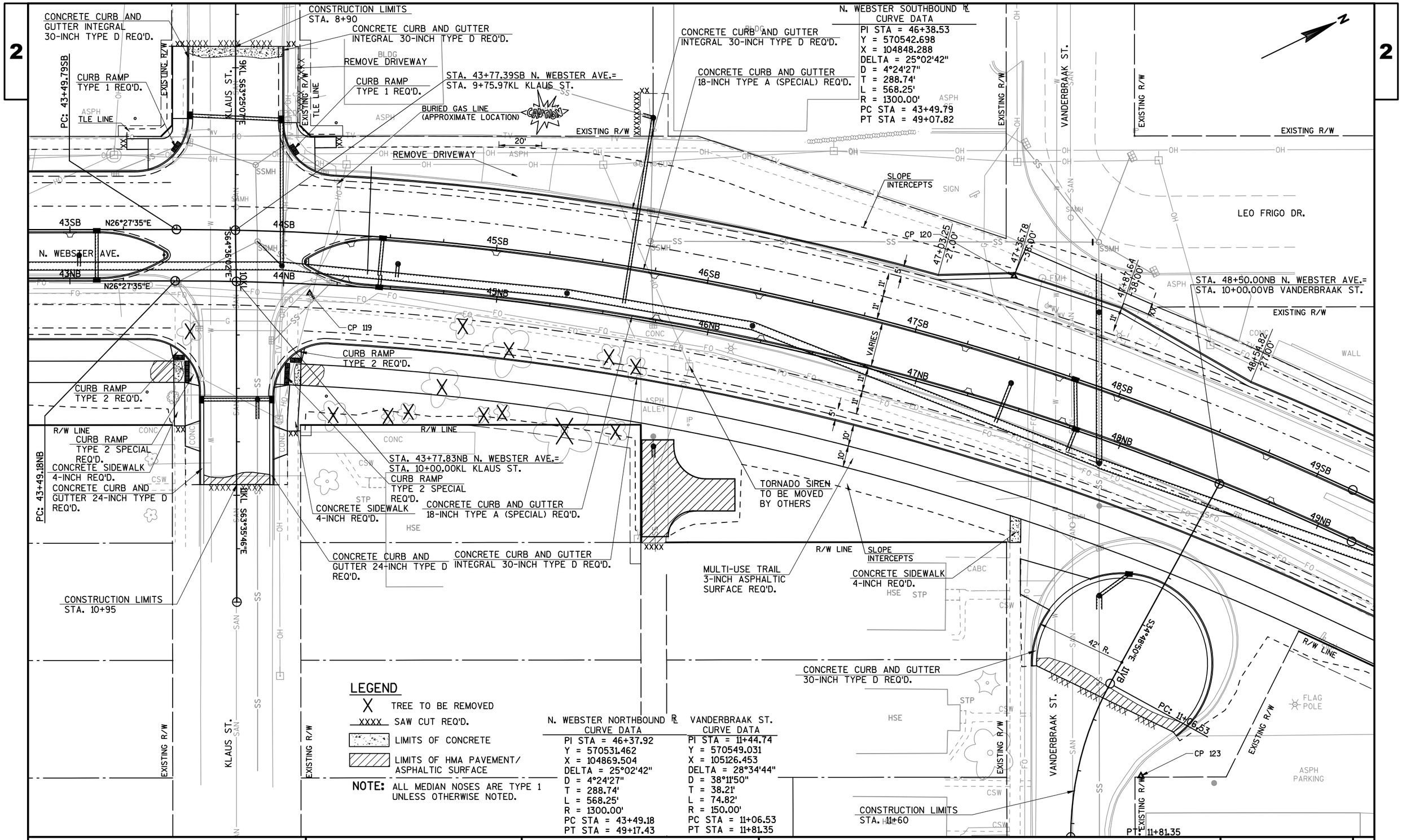
LEGEND

- X — TREE TO BE REMOVED
- XXXX — SAW CUT REQ'D.
- LIMITS OF CONCRETE
- LIMITS OF HMA PAVEMENT/ ASPHALTIC SURFACE

NOTE: ALL MEDIAN NOSES ARE TYPE 1 UNLESS OTHERWISE NOTED.

PROJECT NO: 4987-02-65	HWY: N. WEBSTER AVE.	COUNTY: BROWN	PLAN DETAIL	SHEET	E

FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\021206 PD.DWG
LAYOUT NAME - 021206 PD
PLOT DATE : 11/1/2018 2:59 PM PLOT BY : VERVILLE, PHILLIP PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42



PROJECT NO: 4987-02-65	HWY: N. WEBSTER AVE.	COUNTY: BROWN	PLAN DETAIL	SHEET 34	E

2

LEGEND

- X — TREE TO BE REMOVED
- XXXX — SAW CUT REQ'D.
- LIMITS OF CONCRETE
- LIMITS OF HMA PAVEMENT/ ASPHALTIC SURFACE

NOTE: ALL MEDIAN NOSES ARE TYPE 1 UNLESS OTHERWISE NOTED.

N. WEBSTER SOUTHBOUND ℄ CURVE DATA

PI STA = 52+94.79
Y = 570963.288
X = 105377.130
DELTA = 1°38'39"
D = 2°15'43"
T = 36.35'
L = 72.69'
R = 2533.00'
PC STA = 52+58.44
PT STA = 53+30.50

N. WEBSTER NORTHBOUND ℄ CURVE DATA

PI STA = 52+94.47
Y = 570945.873
X = 105390.576
DELTA = 1°38'39"
D = 2°16'54"
T = 36.03'
L = 72.06'
R = 2511.00'
PC STA = 52+58.44
PT STA = 53+30.50

PT: 49+07.82SB
STA AHEAD = 49+07.82SB
STA BACK = 49+18.04SB
EQUATION
SLOPE INTERCEPTS
EXISTING R/W
CONCRETE CURB AND GUTTER INTEGRAL 30-INCH TYPE D REQ'D.
CONCRETE CURB AND GUTTER 18-INCH TYPE A (SPECIAL) REQ'D.
PC: 52+58.44SB
EQUATION
STA AHEAD = 53+30.50SB
STA BACK = 53+31.13SB
PT: 53+30.50SB
BURIED CABLE TV (APPROXIMATE LOCATION)
CP 122
END PROJECT STA. 54+75NB
49SB N51°30'17"E 50SB 51SB 52SB 53SB 54SB N53°08'56"E 55SB
49NB N51°30'17"E 50NB 51NB 52NB 53NB 54NB N53°08'56"E 55NB
N. WEBSTER AVE.
CP 121
PT: 49+17.43NB
R/W LINE
TLE LINE
MULTI-USE TRAIL 3-INCH ASPHALTIC SURFACE REQ'D.
SLOPE INTERCEPTS
CONCRETE CURB AND GUTTER 18-INCH TYPE A (SPECIAL) REQ'D.
CONCRETE CURB AND GUTTER INTEGRAL 30-INCH TYPE D REQ'D.
PC: 52+58.44NB
PT: 53+30.50NB
BURIED FIBER OPTIC (APPROXIMATE LOCATION)
CURB RAMP TYPE 2 REQ'D.
CURB RAMP TYPE 2 SPECIAL WITH RADIAL DETECTABLE WARNING FIELD REQ'D.
CP 123
BM 211
+00 37.5
+25 55.5

PROJECT NO: 4987-02-65	HWY: N. WEBSTER AVE.	COUNTY: BROWN	PLAN DETAIL	SHEET	E

FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\021208 PD.DWG
LAYOUT NAME - 021208 PD
PLOT DATE : 11/1/2018 3:05 PM PLOT BY : VERVILLE, PHILLIP PLOT NAME : PLOT SCALE : 1 IN:40 FT

LEGEND

X TREE TO BE REMOVED

XXXX SAW CUT REQ'D.

LIMITS OF CONCRETE

LIMITS OF HMA PAVEMENT/ ASPHALTIC SURFACE

NOTE: ALL MEDIAN NOSES ARE TYPE 1 UNLESS OTHERWISE NOTED.

CONCRETE CURB AND GUTTER INTEGRAL 30-INCH TYPE D REQ'D.

CONCRETE SIDEWALK 4-INCH REQ'D.

STA. 32+16.49SB N. WEBSTER AVE.= STA. 9+87.5EMN EASTMAN ST. (NORTH)

N. WEBSTER AVE. SB

N. WEBSTER AVE. NB

N26°27'35"E

CP 113

CURB RAMP TYPE 2 REQ'D.

CONCRETE CURB AND GUTTER 24-INCH TYPE D REQ'D.

EXISTING R/W

CONSTRUCTION LIMITS STA. 8+85

S63°26'55"E 9EMN

EASTMAN ST. (NORTH)

CURB RAMP TYPE 2 REQ'D.

CONCRETE CURB AND GUTTER 24-INCH TYPE D REQ'D.

WISCONSIN CENTRAL LTD S63°34'15"E 9RR

PROPOSED RAILROAD SIGNAL AND GATE ARM (WORK BY RAILROAD)

LIMITS OF CONCRETE

CURB RAMP TYPE 2 REQ'D.

TYPE 2 NOSE REQ'D.

CONCRETE CURB AND GUTTER 18-INCH TYPE D SPECIAL REQ'D.

TAPER 6" TO 0" IN 6'

TAPER 6" TO 0" IN 2'

CURB RAMP TYPE 8 REQ'D.

CONCRETE CURB AND GUTTER 24-INCH TYPE D REQ'D.

CONCRETE CURB AND GUTTER 24-INCH TYPE D REQ'D.

CURB RAMP TYPE 2 REQ'D.

CONSTRUCTION LIMITS STA. 8+75

S63°39'03"E 9EMS

EASTMAN ST. (SOUTH)

CONCRETE SIDEWALK 4-INCH REQ'D.

STA. 31+42.05NB N. WEBSTER AVE.= STA. 9+76.00EMS EASTMAN ST. (SOUTH)

EXISTING R/W

CURB RAMP TYPE 1 REQ'D.

TLE LINE

CONCRETE CURB AND GUTTER 18-INCH TYPE A (SPECIAL) REQ'D.

BURIED FIBER OPTIC (APPROXIMATE LOCATION)

MULTI-USE TRAIL 3-INCH ASPHALTIC SURFACE REQ'D.

BURIED GAS LINE (APPROXIMATE LOCATION)

CAUTION

STA. 32+19.02NB N. WEBSTER AVE.= STA. 10+00.00EMN EASTMAN ST. (NORTH)

STA. 31+87.10NB N. WEBSTER AVE.= STA. 10+00.00RR RAILROAD

CONCRETE CURB AND GUTTER 24-INCH TYPE D REQ'D.

R/W LINE

EXISTING R/W

CONCRETE SIDEWALK 4-INCH REQ'D.

CURB RAMP TYPE 2 SPECIAL REQ'D.

S63°36'36"E 11EMN

EASTMAN ST. (NORTH)

CONCRETE CURB AND GUTTER 24-INCH TYPE D REQ'D. CURB RAMP TYPE 2 SPECIAL REQ'D.

CONSTRUCTION LIMITS STA. 11+00

CONCRETE CURB AND GUTTER 18-INCH TYPE D SPECIAL REQ'D.

PIPE UNDERDRAIN 6-INCH

PROPOSED 113.75 FOOT CROSSING SURFACE (WORK BY RAILROAD)

TAPER 6" TO 0" IN 4'

WISCONSIN CENTRAL LTD S63°34'15"E 10RR

11RR WISCONSIN CENTRAL LTD S61°42'46"E

PROPOSED RAILROAD SIGNAL AND GATE ARM (WORK BY RAILROAD)

CONSTRUCTION LIMITS STA. 11+20

PI 10+58.99

CONCRETE CURB AND GUTTER 24-INCH TYPE D (SPECIAL) REQ'D.

CURB RAMP TYPE 8 SPECIAL REQ'D.

CONCRETE CURB AND GUTTER 24-INCH TYPE D REQ'D.

CURB RAMP TYPE 2 SPECIAL REQ'D.

S63°31'55"E 11EMS

EASTMAN ST. (SOUTH)

CONCRETE SIDEWALK 4-INCH REQ'D.

STA. 31+42.12NB N. WEBSTER AVE.= STA. 10+00.00EMS EASTMAN ST. (SOUTH)

CONCRETE CURB AND GUTTER 18-INCH TYPE A (SPECIAL) REQ'D.

CONCRETE CURB AND GUTTER INTEGRAL 30-INCH TYPE D REQ'D.

EXISTING R/W

R/W LINE

CP 112

PROJECT NO: 4987-02-65	HWY: N. WEBSTER AVE.	COUNTY: BROWN	PLAN DETAIL-RAILROAD	SHEET E

FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\021209 PD.DWG
LAYOUT NAME - 021209 PD
PLOT DATE : 11/1/2018 3:09 PM PLOT BY : VERVILLE, PHILLIP PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 42

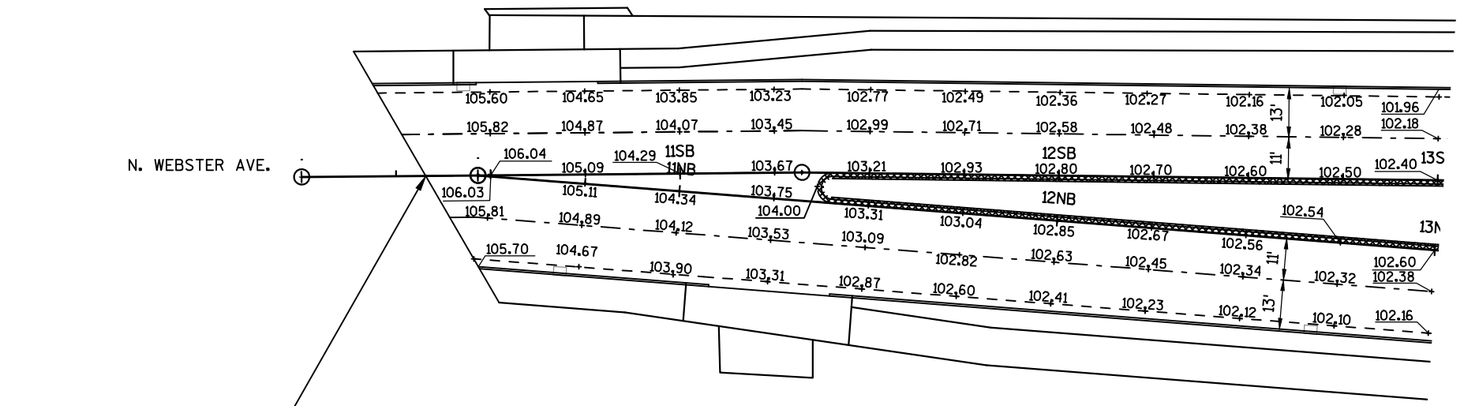
2

N

LEGEND

REVERSE SLOPE CURB AND GUTTER

EAST RIVER



BEGIN PROJECT
STA. 10+32.86NB

PROJECT NO:4987-02-65	HWY: N. WEBSTER AVE.	COUNTY: BROWN	PAVEMENT GRADES	SHEET 37	E

2

LEGEND

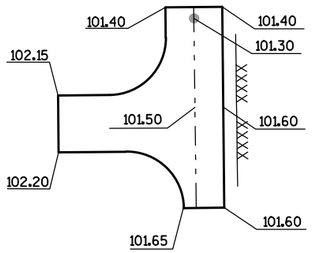
REVERSE SLOPE CURB AND GUTTER

UNIVERSITY AVE.

N. WEBSTER AVE.

N. WEBSTER AVE.

UNIVERSITY AVE.



PROJECT NO: 4987-02-65	HWY: N. WEBSTER AVE.	COUNTY: BROWN	PAVEMENT GRADES	SHEET 38	E

2

LEGEND

REVERSE SLOPE CURB AND GUTTER

N

HARVEY ST.

DAY ST.

PI STA. 19+73.18SB N. WEBSTER AVE. AH=
STA. 9+76.00 HARVEY ST.

STA. 23+66.62NB N. WEBSTER AVE.=
STA. 9+75.99 DAY ST.

PI STA. 19+73.02NB N. WEBSTER AVE.=
STA. 10+00.00 HARVEY ST.

STA. 23+67.35NB N. WEBSTER AVE.=
STA. 10+00.00 DAY ST.

11HV

9HV

9DY

11DY

PROJECT NO: 4987-02-65	HWY: N. WEBSTER AVE.	COUNTY: BROWN	PAVEMENT GRADES	SHEET	E

FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\021403 GR.DWG
LAYOUT NAME - 021303 GR

PLOT DATE : 10/31/2018 1:23 PM PLOT BY : VERVILLE, PHILLIP PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

LEGEND

REVERSE SLOPE CURB AND GUTTER

N

SMITH ST.

9SM

STA. 27+56.36SB N. WEBSTER AVE.=
STA. 9+76.00 SMITH ST.

XXXX XXXX
97.79 97.83
1.3% 1%
97.99

97.73

97.86

97.75

97.94 98.09 98.13 97.89 97.74 97.66 97.66 97.94 98.05 98.15 98.35 98.55 98.77 99.02 99.45 100.04 100.77

98.22 98.37 98.41 98.17 98.02 97.94 97.95 98.02 98.12 98.23 98.33 98.43 98.63 98.83 99.05 99.30 99.73 100.32 101.03

25SB 26SB 27SB 28SB 29SB 30SB 31SB

98.00 98.15 98.19 97.95 97.80 97.72 97.73 97.80 97.90 98.31 98.11 98.21 98.41 98.61 98.83 99.08 99.51 100.10 100.83

N. WEBSTER AVE.

97.85

98.24

25NB 26NB 27NB 28NB 29NB 30NB 31NB

97.90

98.00 98.15 98.19 97.95 97.80 97.72 97.73 97.80 98.01 98.11 98.21 98.41 98.61 98.83 99.08 99.51 100.10 100.83

98.22 98.37 98.41 98.17 98.02 97.94 97.95 98.02 98.12 98.23 98.33 98.43 98.63 98.83 99.05 99.30 99.73 100.32 101.03

97.94 98.09 98.13 97.89 97.74 97.66 97.66 97.86 97.94 98.05 98.15 98.35 98.55 98.77 99.02 99.45 100.04 100.75

97.76

97.77

97.86 97.94

97.86

2.5% 2%

97.25

XXXX XXXX

99.30 99.10 99.00 99.30 101.60 101.60 99.20 99.30 99.42 99.42

11SM

SMITH ST.

STA. 27+56.45NB N. WEBSTER AVE.=
STA. 10+00.00 SMITH ST.

99.90 99.50 99.80 99.90 99.90 99.76 99.76

PROJECT NO: 4987-02-65	HWY: N. WEBSTER AVE.	COUNTY: BROWN	PAVEMENT GRADES	SHEET	E

FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\021404 GR.DWG
LAYOUT NAME - 021304 GR

PLOT DATE : 10/31/2018 1:23 PM PLOT BY : VERVILLE, PHILLIP PLOT NAME : PLOT SCALE : 1 IN:40 FT

MATCHLINE

STA. 32+93

LEGEND

REVERSE SLOPE CURB AND GUTTER

STA. 32+16.49SB N. WEBSTER AVE.=
STA. 9+87.5EMN EASTMAN ST. (NORTH)

STA. 32+19.02NB N. WEBSTER AVE.=
STA. 10+00.00EMN EASTMAN ST. (NORTH)

STA. 31+87.10NB N. WEBSTER AVE.=
STA. 10+00.00RR RAILROAD

STA. 31+42.05NB N. WEBSTER AVE.=
STA. 9+76.00EMS EASTMAN ST. (SOUTH)

STA. 31+42.12NB N. WEBSTER AVE.=
STA. 10+00.00EMS EASTMAN ST. (SOUTH)

N. WEBSTER AVE. SB

N. WEBSTER AVE. NB

EASTMAN ST. (NORTH)

EASTMAN ST. (SOUTH)

9EMN

10EMN

11EMN

9EMS

10EMS

11EMS

9RR

10RR

11RR

WISCONSIN CENTRAL LTD

EXISTING R/W

32SB

32NB

PROJECT NO: 4987-02-65 | HWY: N. WEBSTER AVE. | COUNTY: BROWN | PAVEMENT GRADES | SHEET E

FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\021405 GR.DWG
LAYOUT NAME - 021305 GR
PLOT DATE : 10/31/2018 1:24 PM PLOT BY : VERVILLE, PHILLIP PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 42

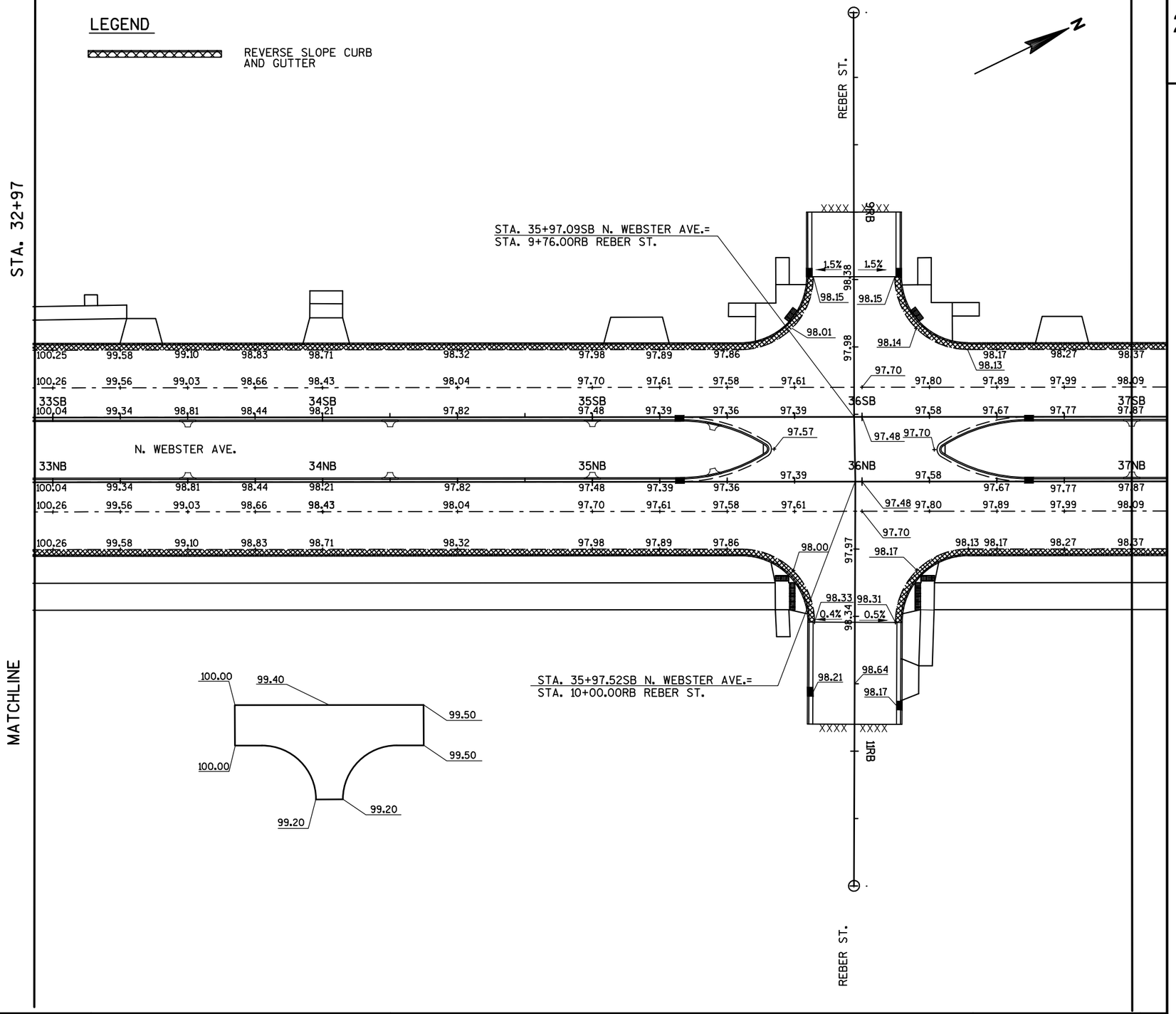
2

LEGEND

REVERSE SLOPE CURB AND GUTTER

STA. 32+97

MATCHLINE



PROJECT NO: 4987-02-65	HWY: N. WEBSTER AVE.	COUNTY: BROWN	PAVEMENT GRADES	SHEET	E

FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\021406 GR.DWG
LAYOUT NAME - 021306 GR

PLOT DATE : 10/31/2018 1:24 PM PLOT BY : VERVILLE, PHILLIP PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

REVERSE SLOPE CURB AND GUTTER

N

BERNER ST.

STA. 39+87.68SB N. WEBSTER AVE.=
STA. 9+76.00 BERNER ST.

98.46
98.77
98.46
98.18
98.18
2%
2%
98.49
97.96
98.12
97.99

98.37 98.44 98.33 98.10 97.98 97.87 97.83 97.86 98.13 98.17 98.18 98.15 98.08 97.98 97.78 97.59 97.39
98.09 98.16 98.05 97.82 97.70 97.59 97.55 97.57 97.64 97.74 97.83 97.89 97.90 97.87 97.80 97.70 97.50 97.31 97.11
37SB 38SB 39SB 40SB 41SB 42SB 43SB
97.87 97.94 97.83 97.60 97.48 97.37 97.33 97.35 97.42 97.52 97.61 97.67 97.68 97.65 97.58 97.48 97.28 97.08 96.89

97.48
97.71

N. WEBSTER AVE.

37NB 38NB 39NB 40NB 41NB 42NB 43NB
97.87 97.94 97.83 97.60 97.48 97.37 97.33 97.35 97.42 97.52 97.61 97.67 97.68 97.65 97.58 97.48 97.28 97.08 96.89
98.09 98.16 98.05 97.82 97.70 97.59 97.55 97.57 97.64 97.74 97.83 97.89 97.90 97.87 97.80 97.70 97.50 97.31 97.11
98.37 98.44 98.33 98.10 97.98 97.87 97.83 97.84 98.14 98.13 98.17 98.18 98.15 98.08 97.98 97.78 97.59 97.39

97.97
97.97

99.50
98.70
98.60
99.35
99.35
99.50
99.10
99.15

98.37
98.20
1.3%
2%
98.31
98.50
98.55
98.55
98.78
XXXX XXXX

STA. 39+87.44NB N. WEBSTER AVE.=
STA. 10+00.00 BERNER ST.

BERNER ST.

PROJECT NO: 4987-02-65	HWY: N. WEBSTER AVE.	COUNTY: BROWN	PAVEMENT GRADES	SHEET	E

FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\021407 GR.DWG
LAYOUT NAME - 021307 GR
PLOT DATE : 10/31/2018 1:25 PM PLOT BY : VERVILLE, PHILLIP PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

REVERSE SLOPE CURB AND GUTTER

N

STA. 43+77.39SB N. WEBSTER AVE.=
STA. 9+75.97KL KLAUS ST.

STA. 43+77.83NB N. WEBSTER AVE.=
STA. 10+00.00KL KLAUS ST.

KLAUS ST.

N. WEBSTER AVE.

VANDERBRAAK ST.

43SB 44SB 45SB 46SB 47SB 48SB 49SB
43NB 44NB 45NB 46NB 47NB 48NB 49NB

PROJECT NO: 4987-02-65	HWY: N. WEBSTER AVE.	COUNTY: BROWN	PAVEMENT GRADES	SHEET 44	E

FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\021408 GR.DWG
LAYOUT NAME - 021308 GR
PLOT DATE : 10/31/2018 3:00 PM PLOT BY : VERVILLE, PHILLIP PLOT NAME :
PLOT SCALE : 1 IN:40 FT

2

2

LEGEND

REVERSE SLOPE CURB AND GUTTER

N

N. WEBSTER AVE.

49SB 50SB 51SB 52SB 53SB 54SB 55SB

49NB 50NB 51NB 52NB 53NB 54NB 55NB

98.15 98.35 98.55 98.75 98.95 99.16 99.36 99.46 99.52 99.68 99.80 99.86 99.98 100.07 100.16 100.27 100.41 100.64

97.87 98.07 98.27 98.47 98.67 98.88 99.08 99.18 99.31 99.47 99.65 99.86 100.02 100.07 100.17 100.33 100.43 100.58 100.63

97.65 97.85 98.05 98.25 98.45 98.66 98.86 98.96 99.09 99.25 99.43 99.64 99.85 100.06 100.27 100.32 100.36 100.45 100.52

99.30 99.60 99.68 99.76 99.83 99.91 100.17 100.25

97.65 97.87 98.08 98.27 98.46 98.66 98.91 99.10 99.32 99.52 99.68 99.79 99.87 99.94 100.02 100.08 100.12 100.23 100.34

97.87 98.09 98.30 98.49 98.69 98.88 99.13 99.32 99.54 99.74 99.90 100.01 100.09 100.16 100.24 100.34 100.45 100.56

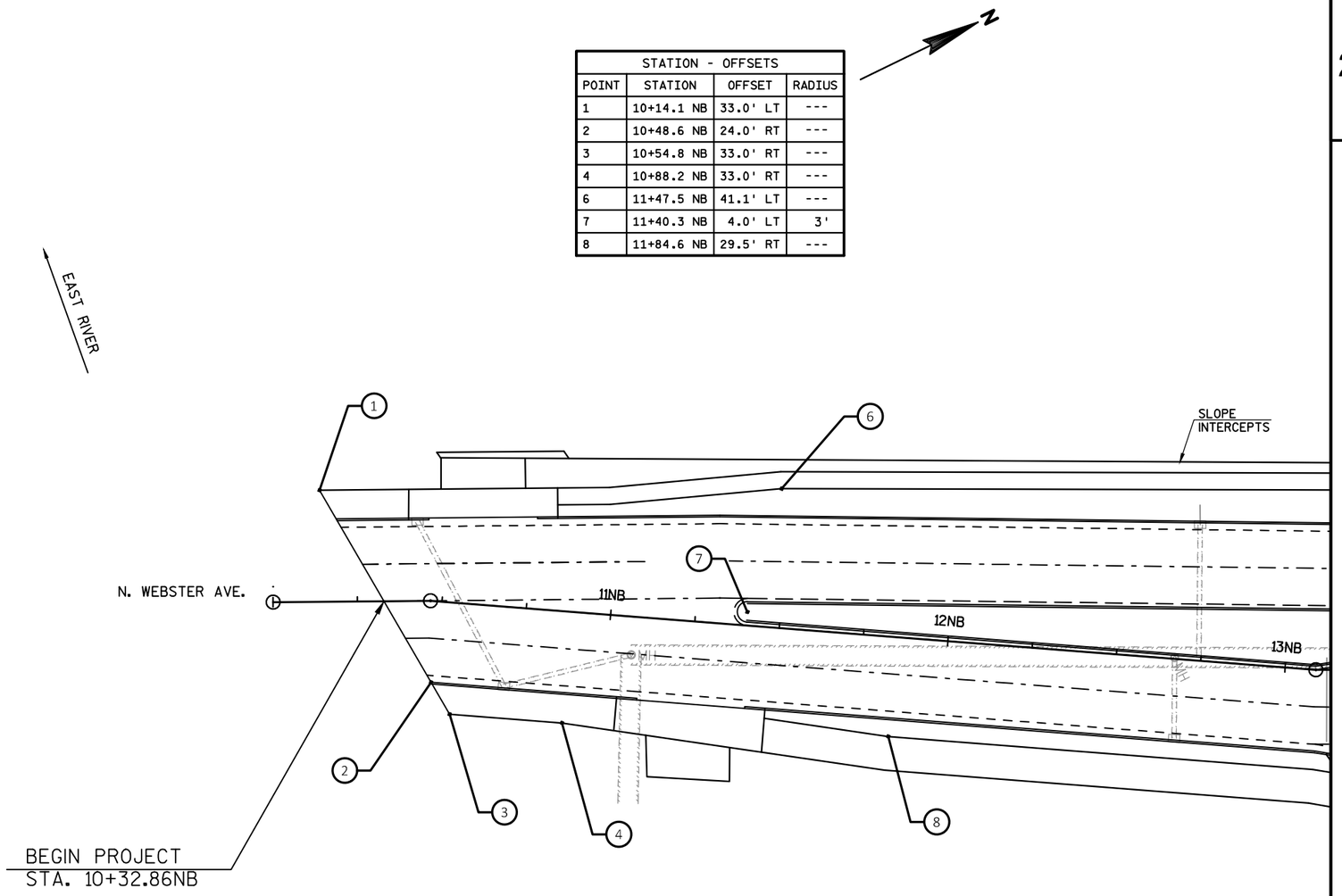
98.15 98.37 98.58 98.77 98.97 99.16 99.27 99.32 99.39 99.47 99.62 99.73 99.81 99.88 99.96 100.06 100.17 100.25 100.27 100.30

99.78 99.95 100.10

100.06

PROJECT NO: 4987-02-65	HWY: N. WEBSTER AVE.	COUNTY: BROWN	PAVEMENT GRADES	SHEET 45	E

STATION - OFFSETS			
POINT	STATION	OFFSET	RADIUS
1	10+14.1 NB	33.0' LT	---
2	10+48.6 NB	24.0' RT	---
3	10+54.8 NB	33.0' RT	---
4	10+88.2 NB	33.0' RT	---
6	11+47.5 NB	41.1' LT	---
7	11+40.3 NB	4.0' LT	3'
8	11+84.6 NB	29.5' RT	---



PROJECT NO: 4987-02-65	HWY: N. WEBSTER AVE.	COUNTY: BROWN	STATION OFFSETS	SHEET	E

FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\021301 SO.DWG
LAYOUT NAME - 021301 SO

PLOT DATE : 10/31/2018 11:24 AM PLOT BY : VERVILLE, PHILLIP PLOT NAME : PLOT SCALE : 1 IN:40 FT

STATION - OFFSETS			
POINT	STATION	OFFSET	RADIUS
9	13+09.0 NB	29.5' RT	---
10	13+09.0 NB	1.0' LT	---
11	13+75.0 NB	12.0' LT	---
12	13+75.1 NB	34.0' RT	---
13	13+74.7 NB	39.5' RT	---
14	14+91.5 NB	68.0' LT	25'
15	14+94.3 NB	15.0' LT	3'
16	14+78.0 NB	74.0' RT	40'
17	14+86.6 NB	74.5' RT	25'
18	15+52.9 NB	69.6' LT	3'

STATION - OFFSETS			
POINT	STATION	OFFSET	RADIUS
19	15+47.5 NB	60.3' RT	---
20	16+26.6 NB	67.0' RT	40'
21	16+14.7 NB	81.0' LT	35'
22	16+03.3 NB	78.6' LT	17'
23	16+02.6 NB	57.5' RT	5'
24	16+03.3 NB	4.0' LT	3'
25	17+73.1 NB	9.5' LT	---
26	18+72.8 NB	23.0' LT	---
27	17+21.2 NB	79.9' RT	---
28	17+21.8 NB	94.9' RT	---

STATION - OFFSETS			
POINT	STATION	OFFSET	RADIUS
29	17+34.2 NB	64.4' RT	15'
30	17+48.9 NB	55.8' RT	---
31	17+63.9 NB	55.3' RT	---
32	17+66.0 NB	108.2' RT	---
33	17+55.2 NB	108.7' RT	---
34	17+40.2 NB	109.2' RT	15'

N

N. WEBSTER AVE.

UNIVERSITY AVE.

13NB 14NB 15NB 16NB 17NB 18NB 19NB

MH MH MH

XXXX

15'

15'

11'

PROJECT NO: 4987-02-65	HWY: N. WEBSTER AVE.	COUNTY: BROWN	STATION OFFSETS	SHEET	E

FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\021302 SO.DWG
LAYOUT NAME - 021302 SO

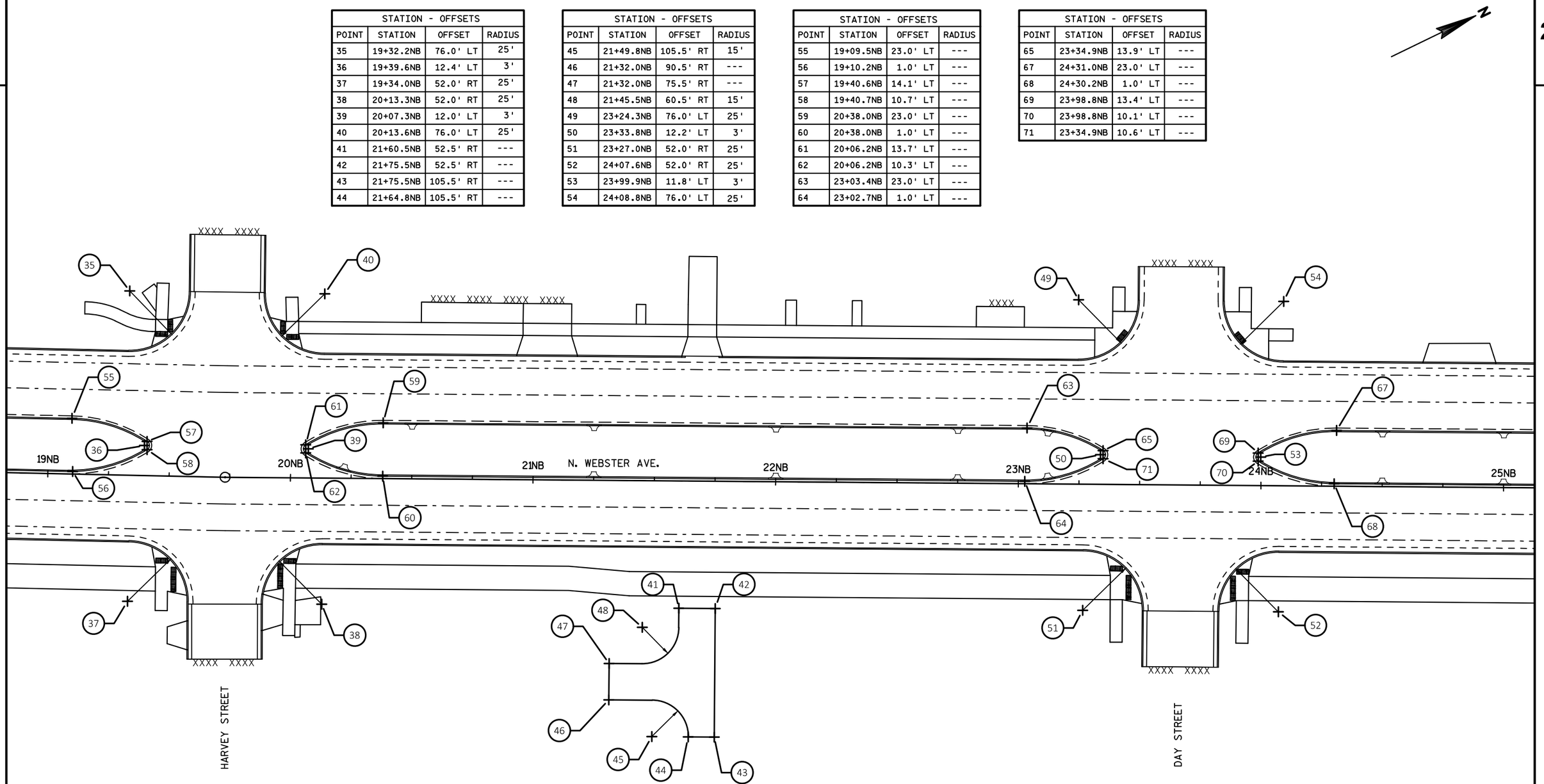
PLOT DATE : 10/31/2018 11:24 AM PLOT BY : VERVILLE, PHILLIP PLOT NAME : PLOT SCALE : 1 IN:40 FT

STATION - OFFSETS			
POINT	STATION	OFFSET	RADIUS
35	19+32.2NB	76.0' LT	25'
36	19+39.6NB	12.4' LT	3'
37	19+34.0NB	52.0' RT	25'
38	20+13.3NB	52.0' RT	25'
39	20+07.3NB	12.0' LT	3'
40	20+13.6NB	76.0' LT	25'
41	21+60.5NB	52.5' RT	---
42	21+75.5NB	52.5' RT	---
43	21+75.5NB	105.5' RT	---
44	21+64.8NB	105.5' RT	---

STATION - OFFSETS			
POINT	STATION	OFFSET	RADIUS
45	21+49.8NB	105.5' RT	15'
46	21+32.0NB	90.5' RT	---
47	21+32.0NB	75.5' RT	---
48	21+45.5NB	60.5' RT	15'
49	23+24.3NB	76.0' LT	25'
50	23+33.8NB	12.2' LT	3'
51	23+27.0NB	52.0' RT	25'
52	24+07.6NB	52.0' RT	25'
53	23+99.9NB	11.8' LT	3'
54	24+08.8NB	76.0' LT	25'

STATION - OFFSETS			
POINT	STATION	OFFSET	RADIUS
55	19+09.5NB	23.0' LT	---
56	19+10.2NB	1.0' LT	---
57	19+40.6NB	14.1' LT	---
58	19+40.7NB	10.7' LT	---
59	20+38.0NB	23.0' LT	---
60	20+38.0NB	1.0' LT	---
61	20+06.2NB	13.7' LT	---
62	20+06.2NB	10.3' LT	---
63	23+03.4NB	23.0' LT	---
64	23+02.7NB	1.0' LT	---

STATION - OFFSETS			
POINT	STATION	OFFSET	RADIUS
65	23+34.9NB	13.9' LT	---
67	24+31.0NB	23.0' LT	---
68	24+30.2NB	1.0' LT	---
69	23+98.8NB	13.4' LT	---
70	23+98.8NB	10.1' LT	---
71	23+34.9NB	10.6' LT	---



PROJECT NO: 4987-02-65	HWY: N. WEBSTER AVE.	COUNTY: BROWN	STATION OFFSETS	SHEET 48	E

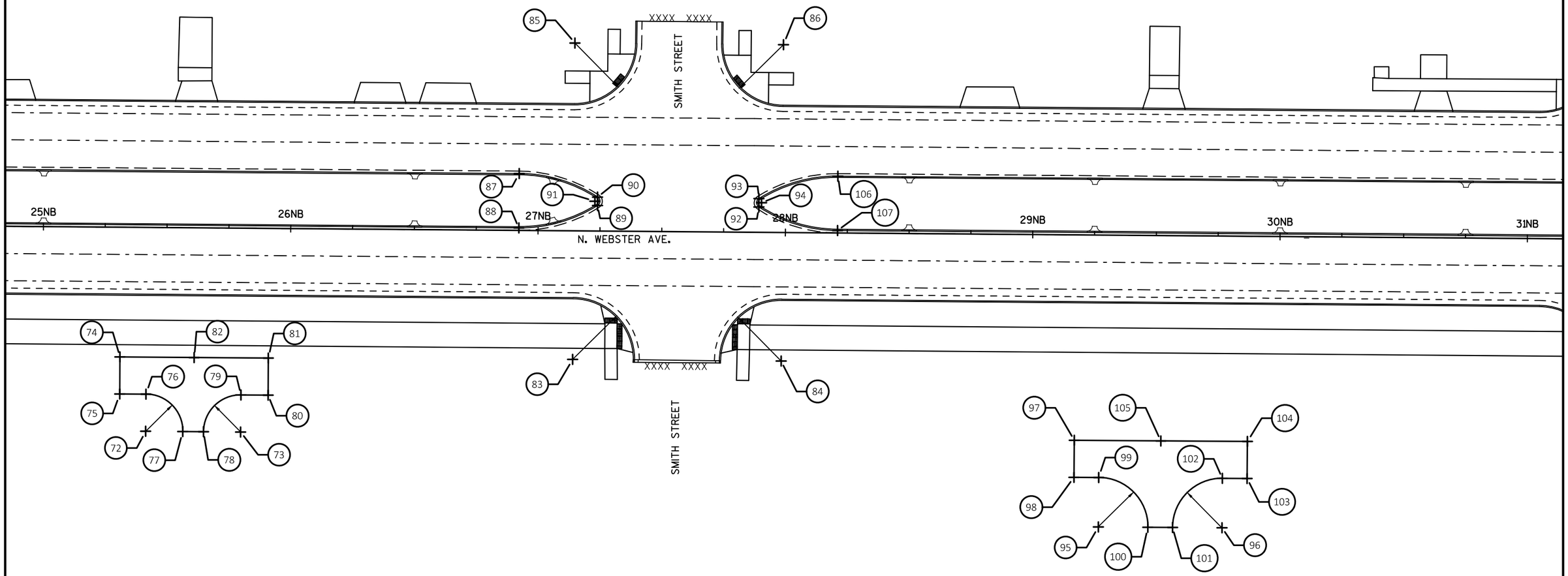
FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\021303 SO.DWG
LAYOUT NAME - 021303 SO
PLOT DATE : 10/31/2018 11:24 AM PLOT BY : VERVILLE, PHILLIP PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

STATION - OFFSETS			
POINT	STATION	OFFSET	RADIUS
72	25+42.00 NB	82.5' RT	15'
73	25+80.38 NB	82.5' RT	15'
74	25+31.36 NB	52.5' RT	---
75	25+31.37 NB	67.5' RT	---
76	25+41.99 NB	67.5' RT	---
77	25+57.00 NB	82.5' RT	---
78	25+65.38 NB	82.5' RT	---
79	25+80.37 NB	67.5' RT	---
80	25+91.37 NB	67.5' RT	---
81	25+91.36 NB	52.5' RT	---

STATION - OFFSETS			
POINT	STATION	OFFSET	RADIUS
82	25+61.36 NB	52.5' RT	---
83	27+14.38 NB	52.0' RT	25'
84	27+98.69 NB	52.0' RT	25'
85	27+14.32 NB	76.0' LT	25'
86	27+98.60 NB	76.0' LT	25'
87	26+92.18 NB	23.0' LT	---
88	26+92.24 NB	1.0' LT	---
89	27+23.95 NB	10.3' LT	---
90	27+23.95 NB	13.7' LT	---
91	27+22.87 NB	12.0' LT	3'

STATION - OFFSETS			
POINT	STATION	OFFSET	RADIUS
92	27+89.20 NB	10.3' LT	---
93	27+89.19 NB	13.7' LT	---
94	27+90.27 NB	12.0' LT	3'
95	29+27.50 NB	118.1' RT	15'
96	29+77.50 NB	118.1' RT	15'
97	29+17.48 NB	83.1' RT	---
98	29+17.49 NB	98.1' RT	---
99	29+27.49 NB	98.1' RT	---
100	29+47.50 NB	118.1' RT	---
101	29+57.50 NB	118.1' RT	---

STATION - OFFSETS			
POINT	STATION	OFFSET	RADIUS
102	29+77.49 NB	98.1' RT	---
103	29+87.49 NB	98.0' RT	---
104	29+87.48 NB	83.0' RT	---
105	29+52.48 NB	83.1' RT	---
106	28+21.06 NB	23.0' LT	---
107	28+21.06 NB	1.0' LT	---



PROJECT NO: 4987-02-65	HWY: N. WEBSTER AVE.	COUNTY: BROWN	STATION OFFSETS	SHEET	E

FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\021304 SO.DWG
LAYOUT NAME - 021304 SO

PLOT DATE : 10/31/2018 11:25 AM PLOT BY : VERVILLE, PHILLIP PLOT NAME : PLOT SCALE : 1 IN:40 FT

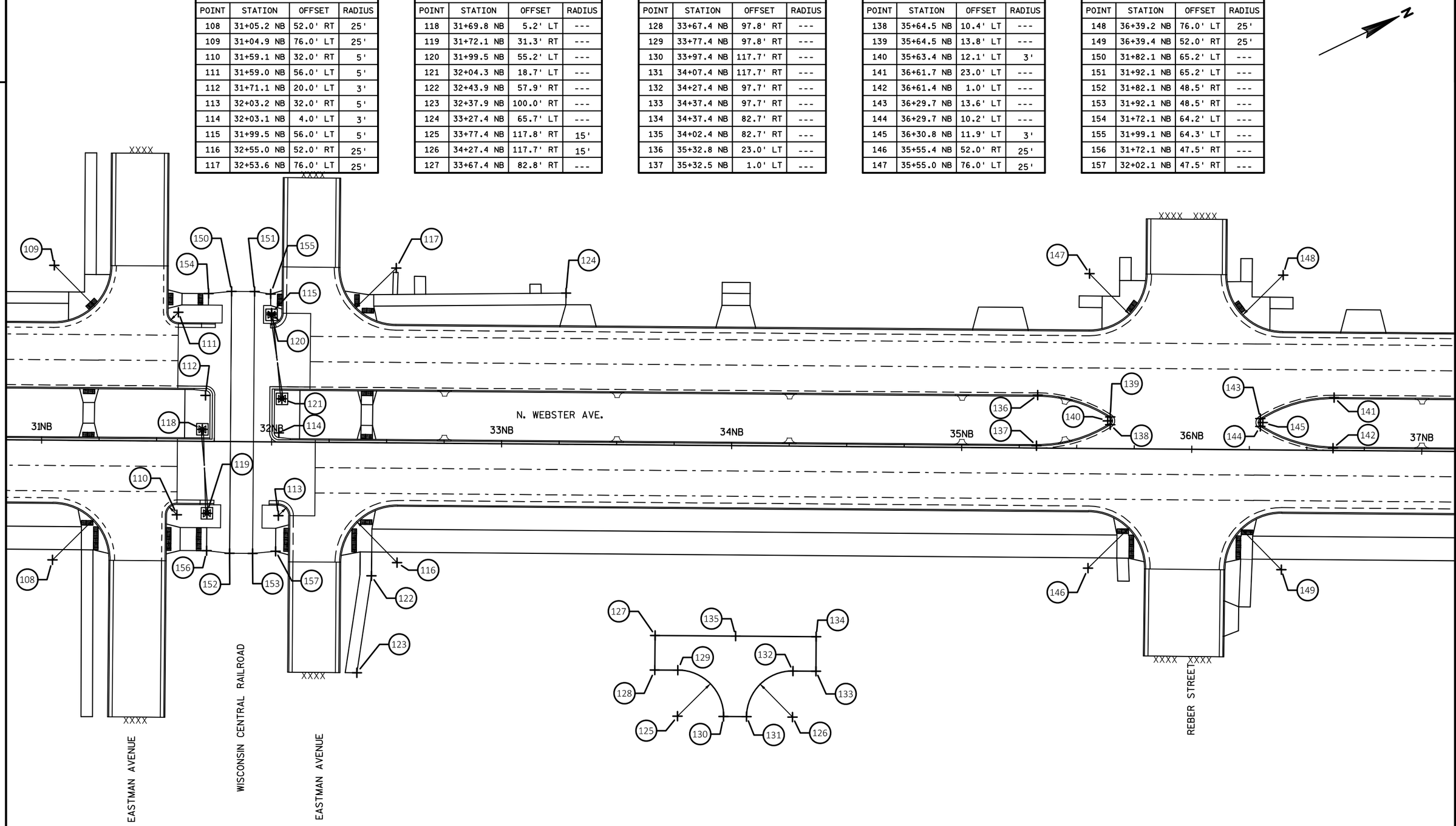
STATION - OFFSETS			
POINT	STATION	OFFSET	RADIUS
108	31+05.2 NB	52.0' RT	25'
109	31+04.9 NB	76.0' LT	25'
110	31+59.1 NB	32.0' RT	5'
111	31+59.0 NB	56.0' LT	5'
112	31+71.1 NB	20.0' LT	3'
113	32+03.2 NB	32.0' RT	5'
114	32+03.1 NB	4.0' LT	3'
115	31+99.5 NB	56.0' LT	5'
116	32+55.0 NB	52.0' RT	25'
117	32+53.6 NB	76.0' LT	25'

STATION - OFFSETS			
POINT	STATION	OFFSET	RADIUS
118	31+69.8 NB	5.2' LT	---
119	31+72.1 NB	31.3' RT	---
120	31+99.5 NB	55.2' LT	---
121	32+04.3 NB	18.7' LT	---
122	32+43.9 NB	57.9' RT	---
123	32+37.9 NB	100.0' RT	---
124	33+27.4 NB	65.7' LT	---
125	33+77.4 NB	117.8' RT	15'
126	34+27.4 NB	117.7' RT	15'
127	33+67.4 NB	82.8' RT	---

STATION - OFFSETS			
POINT	STATION	OFFSET	RADIUS
128	33+67.4 NB	97.8' RT	---
129	33+77.4 NB	97.8' RT	---
130	33+97.4 NB	117.7' RT	---
131	34+07.4 NB	117.7' RT	---
132	34+27.4 NB	97.7' RT	---
133	34+37.4 NB	97.7' RT	---
134	34+37.4 NB	82.7' RT	---
135	34+02.4 NB	82.7' RT	---
136	35+32.8 NB	23.0' LT	---
137	35+32.5 NB	1.0' LT	---

STATION - OFFSETS			
POINT	STATION	OFFSET	RADIUS
138	35+64.5 NB	10.4' LT	---
139	35+64.5 NB	13.8' LT	---
140	35+63.4 NB	12.1' LT	3'
141	36+61.7 NB	23.0' LT	---
142	36+61.4 NB	1.0' LT	---
143	36+29.7 NB	13.6' LT	---
144	36+29.7 NB	10.2' LT	---
145	36+30.8 NB	11.9' LT	3'
146	35+55.4 NB	52.0' RT	25'
147	35+55.0 NB	76.0' LT	25'

STATION - OFFSETS			
POINT	STATION	OFFSET	RADIUS
148	36+39.2 NB	76.0' LT	25'
149	36+39.4 NB	52.0' RT	25'
150	31+82.1 NB	65.2' LT	---
151	31+92.1 NB	65.2' LT	---
152	31+82.1 NB	48.5' RT	---
153	31+92.1 NB	48.5' RT	---
154	31+72.1 NB	64.2' LT	---
155	31+99.1 NB	64.3' LT	---
156	31+72.1 NB	47.5' RT	---
157	32+02.1 NB	47.5' RT	---



PROJECT NO: 4987-02-65	HWY: N. WEBSTER AVE.	COUNTY: BROWN	STATION OFFSETS	SHEET	E

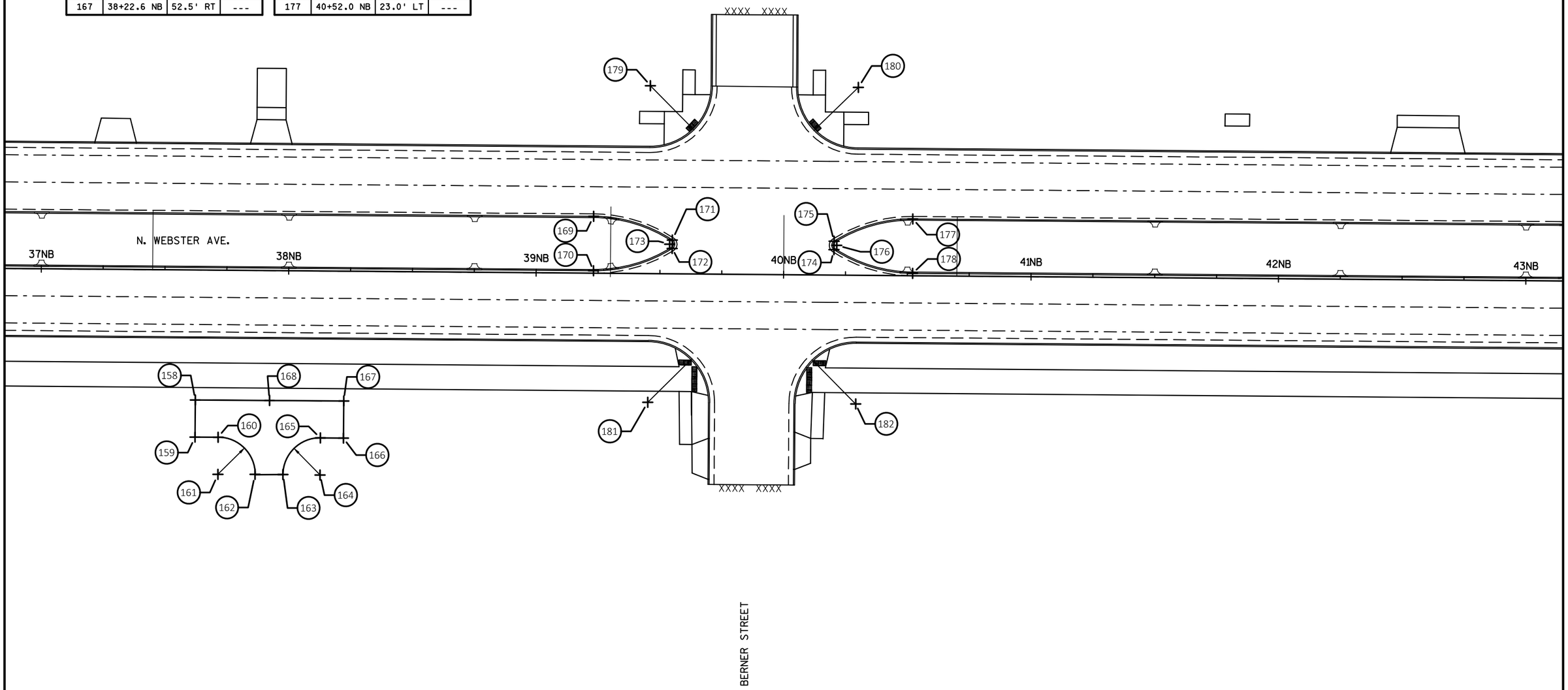
FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\021305 SO.DWG
LAYOUT NAME - 021305 SO

PLOT DATE : 10/31/2018 11:26 AM PLOT BY : VERVILLE, PHILLIP PLOT NAME : PLOT SCALE : 1 IN:40 FT

STATION - OFFSETS			
POINT	STATION	OFFSET	RADIUS
158	37+62.6 NB	52.5' RT	---
159	37+62.7 NB	67.5' RT	---
160	37+72.0 NB	67.5' RT	---
161	37+72.0 NB	82.5' RT	15'
162	37+87.0 NB	82.4' RT	---
163	37+98.3 NB	82.4' RT	---
164	38+13.3 NB	82.5' RT	15'
165	38+13.3 NB	67.5' RT	---
166	38+22.7 NB	67.5' RT	---
167	38+22.6 NB	52.5' RT	---

STATION - OFFSETS			
POINT	STATION	OFFSET	RADIUS
168	37+92.6 NB	52.5' RT	---
169	39+23.0 NB	23.0' LT	---
170	39+23.2 NB	1.0' LT	---
171	39+54.9 NB	13.6' LT	---
172	39+54.9 NB	10.3' LT	---
173	39+53.8 NB	12.0' LT	3'
174	40+20.3 NB	10.4' LT	---
175	40+20.3 NB	13.7' LT	---
176	40+21.4 NB	12.0' LT	3'
177	40+52.0 NB	23.0' LT	---

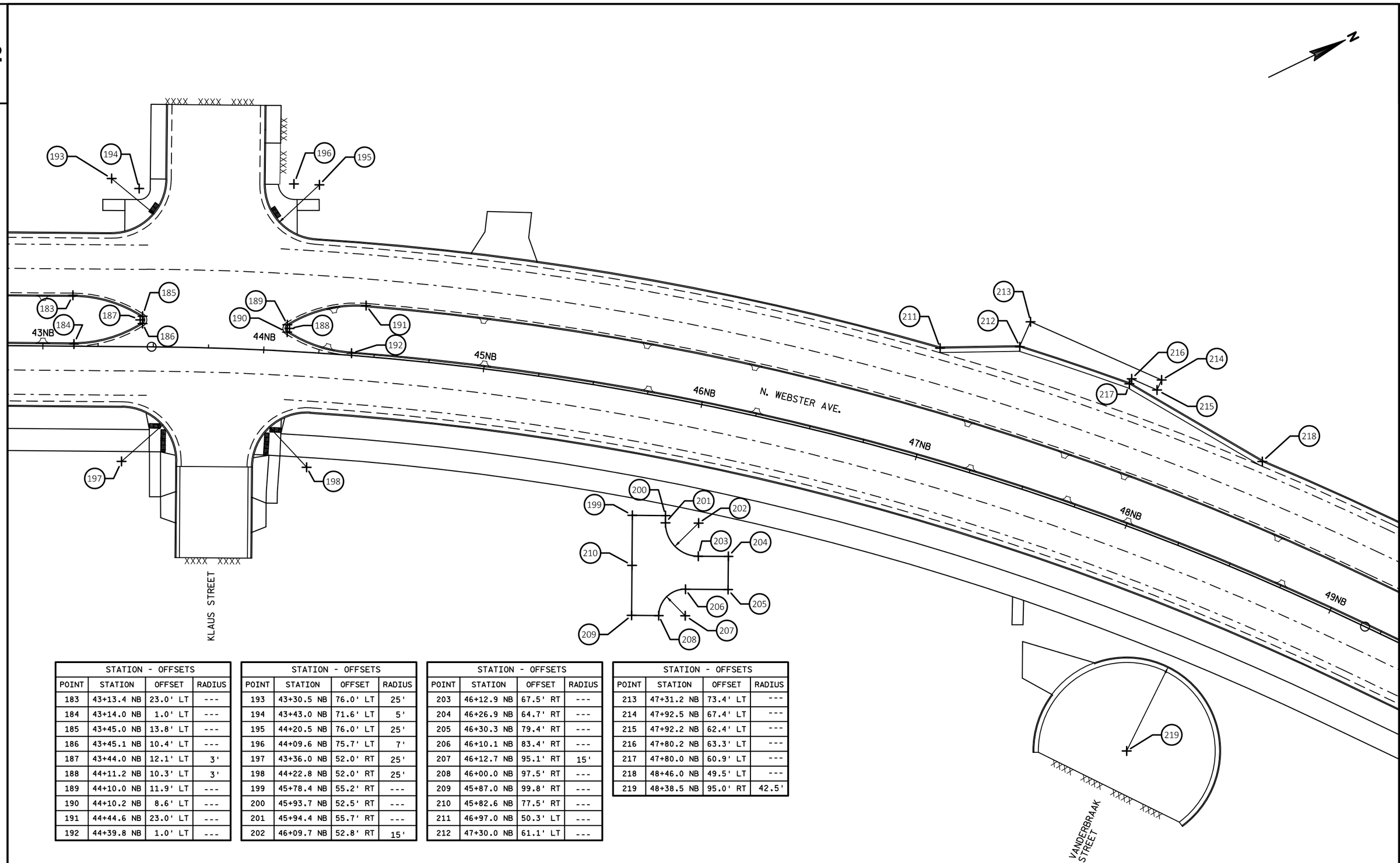
STATION - OFFSETS			
POINT	STATION	OFFSET	RADIUS
178	40+52.2 NB	1.0' LT	---
179	39+45.6 NB	76.0' LT	25'
180	40+29.6 NB	76.0' LT	25'
181	39+45.5 NB	52.0' RT	25'
182	40+29.6 NB	52.0' RT	25'



PROJECT NO: 4987-02-65	HWY: N. WEBSTER AVE.	COUNTY: BROWN	STATION OFFSETS	SHEET	E

FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\021306 SO.DWG
LAYOUT NAME - 021306 SO

PLOT DATE : 10/31/2018 11:26 AM PLOT BY : VERVILLE, PHILLIP PLOT NAME : PLOT SCALE : 1 IN:40 FT



STATION - OFFSETS			
POINT	STATION	OFFSET	RADIUS
183	43+13.4 NB	23.0' LT	---
184	43+14.0 NB	1.0' LT	---
185	43+45.0 NB	13.8' LT	---
186	43+45.1 NB	10.4' LT	---
187	43+44.0 NB	12.1' LT	3'
188	44+11.2 NB	10.3' LT	3'
189	44+10.0 NB	11.9' LT	---
190	44+10.2 NB	8.6' LT	---
191	44+44.6 NB	23.0' LT	---
192	44+39.8 NB	1.0' LT	---

STATION - OFFSETS			
POINT	STATION	OFFSET	RADIUS
193	43+30.5 NB	76.0' LT	25'
194	43+43.0 NB	71.6' LT	5'
195	44+20.5 NB	76.0' LT	25'
196	44+09.6 NB	75.7' LT	7'
197	43+36.0 NB	52.0' RT	25'
198	44+22.8 NB	52.0' RT	25'
199	45+78.4 NB	55.2' RT	---
200	45+93.7 NB	52.5' RT	---
201	45+94.4 NB	55.7' RT	---
202	46+09.7 NB	52.8' RT	15'

STATION - OFFSETS			
POINT	STATION	OFFSET	RADIUS
203	46+12.9 NB	67.5' RT	---
204	46+26.9 NB	64.7' RT	---
205	46+30.3 NB	79.4' RT	---
206	46+10.1 NB	83.4' RT	---
207	46+12.7 NB	95.1' RT	15'
208	46+00.0 NB	97.5' RT	---
209	45+87.0 NB	99.8' RT	---
210	45+82.6 NB	77.5' RT	---
211	46+97.0 NB	50.3' LT	---
212	47+30.0 NB	61.1' LT	---

STATION - OFFSETS			
POINT	STATION	OFFSET	RADIUS
213	47+31.2 NB	73.4' LT	---
214	47+92.5 NB	67.4' LT	---
215	47+92.2 NB	62.4' LT	---
216	47+80.2 NB	63.3' LT	---
217	47+80.0 NB	60.9' LT	---
218	48+46.0 NB	49.5' LT	---
219	48+38.5 NB	95.0' RT	42.5'

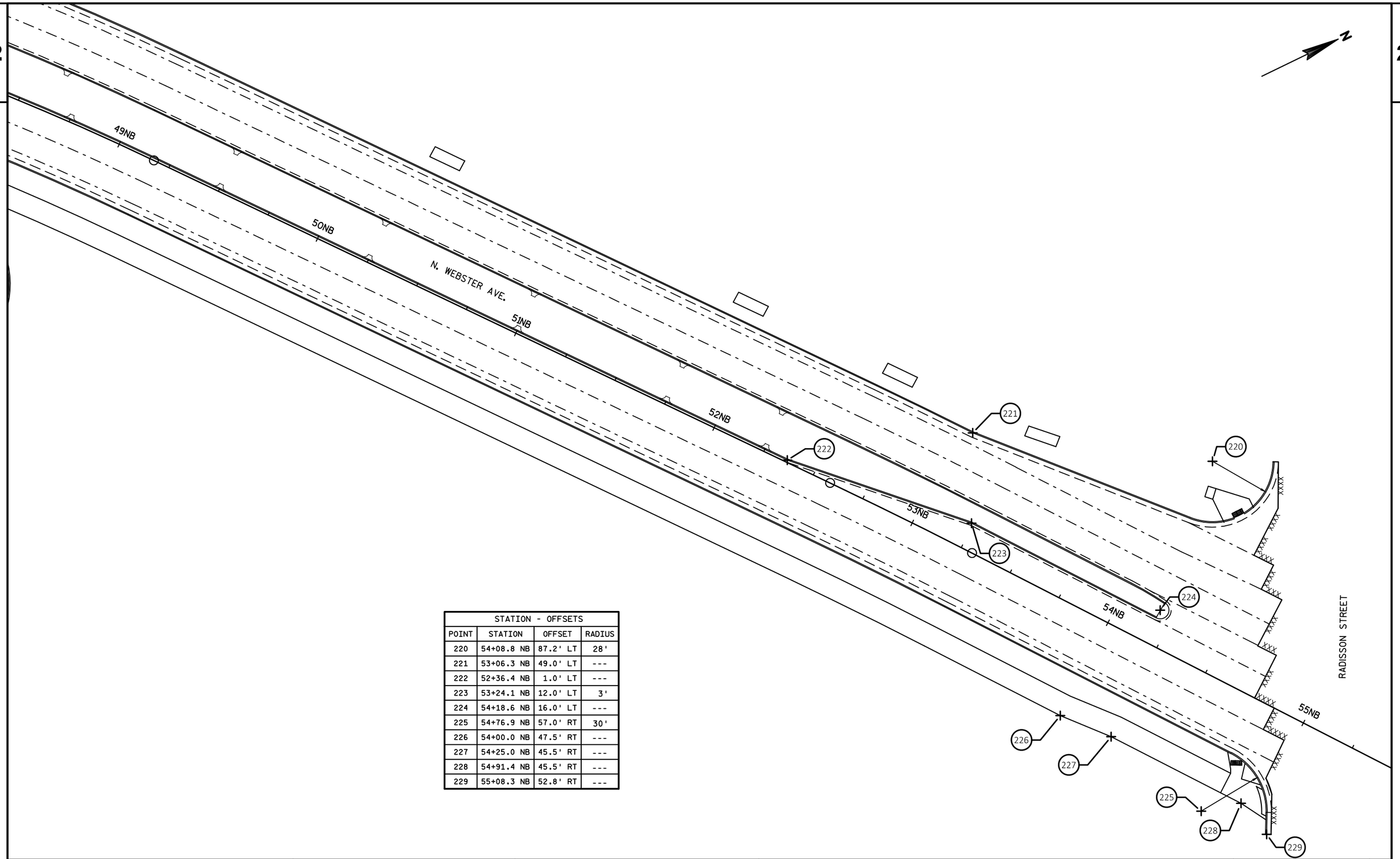
PROJECT NO: 4987-02-65	HWY: N. WEBSTER AVE.	COUNTY: BROWN	STATION OFFSETS	SHEET	E

FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\021307 SO.DWG
LAYOUT NAME - 021307 SO

PLOT DATE : 10/31/2018 11:27 AM PLOT BY : VERVILLE, PHILLIP PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2



STATION - OFFSETS			
POINT	STATION	OFFSET	RADIUS
220	54+08.8 NB	87.2' LT	28'
221	53+06.3 NB	49.0' LT	---
222	52+36.4 NB	1.0' LT	---
223	53+24.1 NB	12.0' LT	3'
224	54+18.6 NB	16.0' LT	---
225	54+76.9 NB	57.0' RT	30'
226	54+00.0 NB	47.5' RT	---
227	54+25.0 NB	45.5' RT	---
228	54+91.4 NB	45.5' RT	---
229	55+08.3 NB	52.8' RT	---

PROJECT NO: 4987-02-65	HWY: N. WEBSTER AVE.	COUNTY: BROWN	STATION OFFSETS	SHEET 53	E

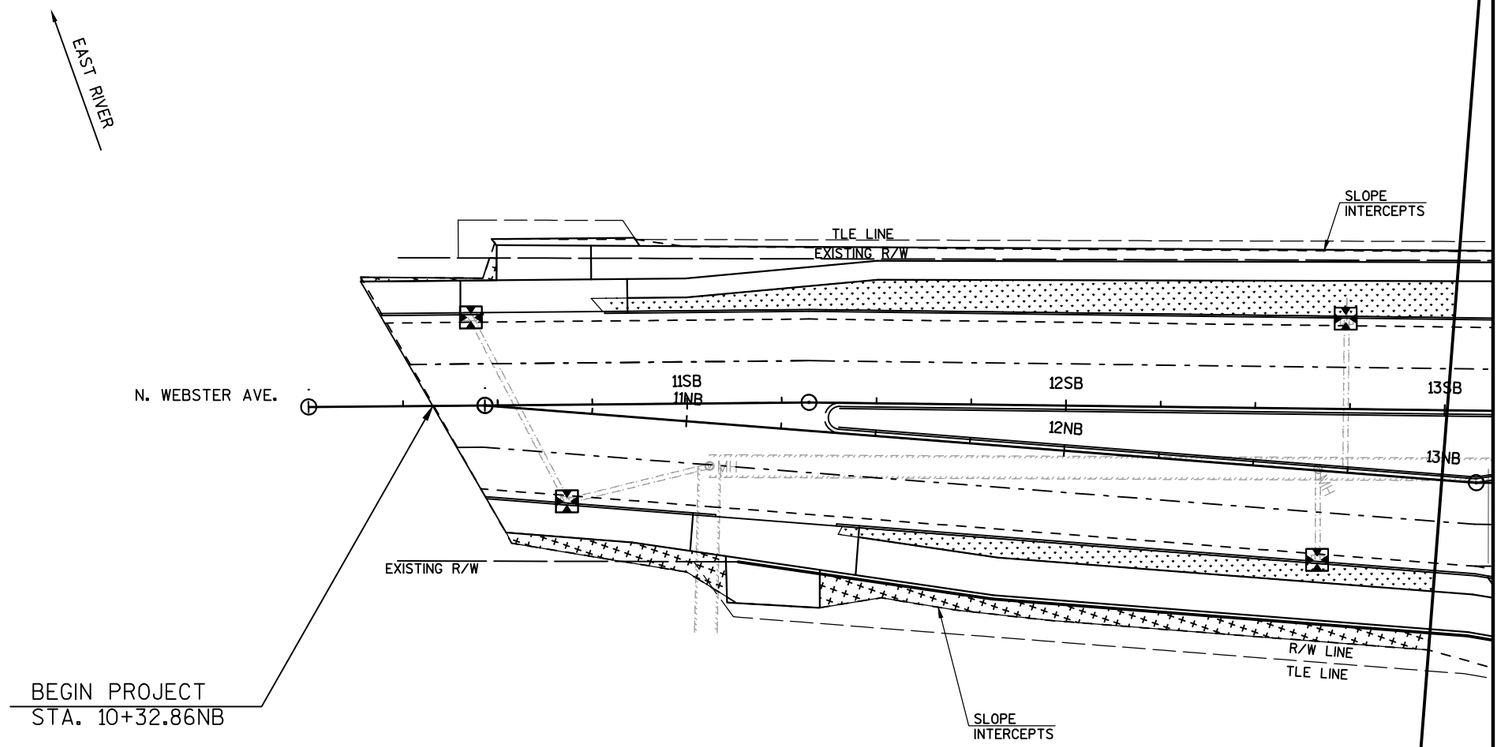
2

LEGEND

- EROSION MAT CLASS 1, TYPE A URBAN
- SOD
- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION
- SURFACE WATER FLOW
- CONC — CONCRETE SURFACE DRAIN

NOTE:

TYPE A INLET PROTECTION IS REQUIRED FOR ALL INLETS AFTER INSTALLATION AND BEFORE CURB OR PAVEMENT PLACEMENT.
AFTER CURB PLACEMENT INSTALL TYPE B, C, OR D INLET PROTECTION.
(SEE MISCELLANEOUS QUANTITIES)



2

PROJECT NO:4987-02-65	HWY:N. WEBSTER AVE.	COUNTY:BROWN	EROSION CONTROL	SHEET 54	E

2

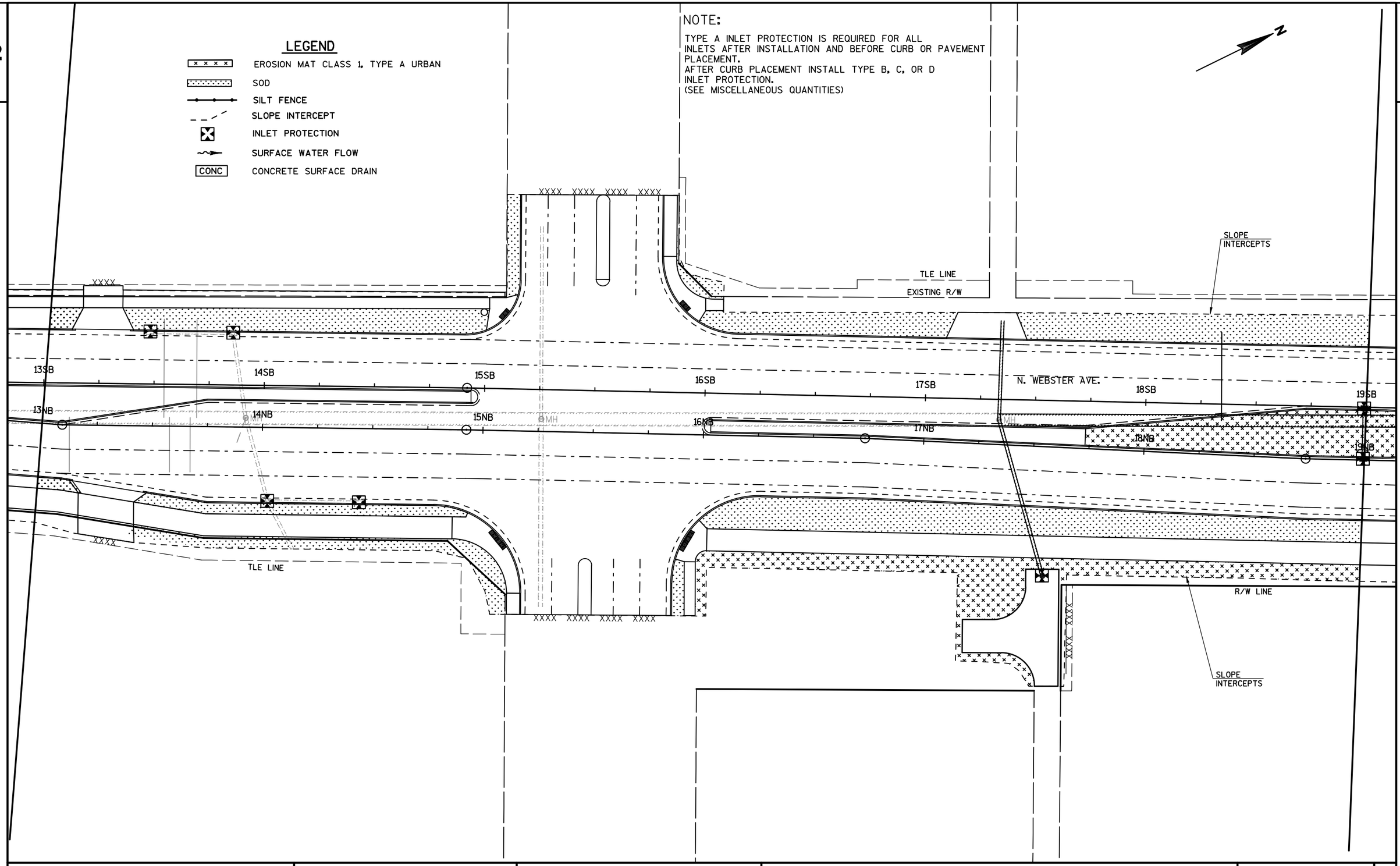
LEGEND

- EROSION MAT CLASS 1, TYPE A URBAN
- SOD
- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION
- SURFACE WATER FLOW
- CONC — CONCRETE SURFACE DRAIN

NOTE:

TYPE A INLET PROTECTION IS REQUIRED FOR ALL INLETS AFTER INSTALLATION AND BEFORE CURB OR PAVEMENT PLACEMENT.
AFTER CURB PLACEMENT INSTALL TYPE B, C, OR D INLET PROTECTION.
(SEE MISCELLANEOUS QUANTITIES)

N



PROJECT NO: 4987-02-65	HWY: N. WEBSTER AVE.	COUNTY: BROWN	EROSION CONTROL	SHEET	E

FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\022002 EC.DWG
LAYOUT NAME - 022002 EC

PLOT DATE : 11/1/2018 12:16 PM PLOT BY : VERVILLE, PHILLIP PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

LEGEND

- EROSION MAT CLASS 1, TYPE A URBAN
- SOD
- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION
- SURFACE WATER FLOW
- CONC — CONCRETE SURFACE DRAIN

NOTE:

TYPE A INLET PROTECTION IS REQUIRED FOR ALL INLETS AFTER INSTALLATION AND BEFORE CURB OR PAVEMENT PLACEMENT.
AFTER CURB PLACEMENT INSTALL TYPE B, C, OR D INLET PROTECTION.
(SEE MISCELLANEOUS QUANTITIES)

N

S63°37'41"E

STA AHEAD = 19+73.18
STA BACK = 19+72.43
EQUATION

PI STA. 19+73.18SB N. WEBSTER AVE. AH=
STA. 9+76.00 HARVEY ST.

PI STA. 19+73.02NB N. WEBSTER AVE.=
STA. 10+00.00 HARVEY ST.

STA. 23+66.62NB N. WEBSTER AVE.=
STA. 9+75.99 DAY ST.

STA. 23+67.35NB N. WEBSTER AVE.=
STA. 10+00.00 DAY ST.

HARVEY ST.
DAY ST.
EXISTING R/W
TLE LINE
R/W LINE
SLOPE INTERCEPTS
CONC
19SB
20SB
21SB
22SB
23SB
24SB
25SB
19NB
20NB
21NB
22NB
23NB
24NB
25NB
10DV
9DV
11HV

PROJECT NO: 4987-02-65	HWY: N. WEBSTER AVE.	COUNTY: BROWN	EROSION CONTROL	SHEET	E

FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\022003 EC.DWG
LAYOUT NAME - 022003 EC
PLOT DATE : 11/1/2018 12:17 PM PLOT BY : VERVILLE, PHILLIP PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- EROSION MAT CLASS 1, TYPE A URBAN
- SOD
- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION
- SURFACE WATER FLOW
- CONC — CONCRETE SURFACE DRAIN

NOTE:

TYPE A INLET PROTECTION IS REQUIRED FOR ALL INLETS AFTER INSTALLATION AND BEFORE CURB OR PAVEMENT PLACEMENT.
AFTER CURB PLACEMENT INSTALL TYPE B, C, OR D INLET PROTECTION.
(SEE MISCELLANEOUS QUANTITIES)

N

STA. 27+56.36SB N. WEBSTER AVE.=
STA. 9+76.00 SMITH ST.

STA. 27+56.45NB N. WEBSTER AVE.=
STA. 10+00.00 SMITH ST.

EXISTING R/W

SMITH ST.

EXISTING R/W

9SM

10SM

11SM

TLE LINE

TLE LINE

TLE LINE

SLOPE INTERCEPTS

SLOPE INTERCEPTS

N. WEBSTER AVE.

SB 26SB 27SB 28SB 29SB 30SB 31

NB 26NB 27NB 28NB 29NB 30NB 31

CONC

R/W LINE

R/W LINE

R/W LINE

R/W LINE

R/W LINE

PROJECT NO: 4987-02-65	HWY: N. WEBSTER AVE.	COUNTY: BROWN	EROSION CONTROL	SHEET 57	E

2

LEGEND

- EROSION MAT CLASS 1, TYPE A URBAN
- SOD
- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION
- SURFACE WATER FLOW
- CONC — CONCRETE SURFACE DRAIN

STA. 32+16.49SB N. WEBSTER AVE.=
STA. 9+87.5EMN EASTMAN ST. (NORTH)

N. WEBSTER AVE. SB

CONC CONC

N. WEBSTER AVE. NB

STA. 32+19.02NB N. WEBSTER AVE.=
STA. 10+00.00EMN EASTMAN ST. (NORTH)
STA. 31+87.10NB N. WEBSTER AVE.=
STA. 10+00.00RR RAILROAD

EASTMAN ST. (NORTH)

9EMN

10EMN

S63°36'36"E

11EMN

EASTMAN ST. (NORTH)

32SB

32NB

WISCONSIN CENTRAL LTD

9RR

10RR

11RR

WISCONSIN CENTRAL LTD

NOTE:

TYPE A INLET PROTECTION IS REQUIRED FOR ALL INLETS AFTER INSTALLATION AND BEFORE CURB OR PAVEMENT PLACEMENT.
AFTER CURB PLACEMENT INSTALL TYPE B, C, OR D INLET PROTECTION.
(SEE MISCELLANEOUS QUANTITIES)

9EMS

10EMS

EASTMAN ST. (SOUTH)

EASTMAN ST. (SOUTH)

11EMS

STA. 31+42.05NB N. WEBSTER AVE.=
STA. 9+76.00EMS EASTMAN ST. (SOUTH)

STA. 31+42.12NB N. WEBSTER AVE.=
STA. 10+00.00EMS EASTMAN ST. (SOUTH)

EXISTING R/W

R/W LINE

32SB

32NB

2

PROJECT NO: 4987-02-65	HWY: N. WEBSTER AVE.	COUNTY: BROWN	EROSION CONTROL	SHEET	E

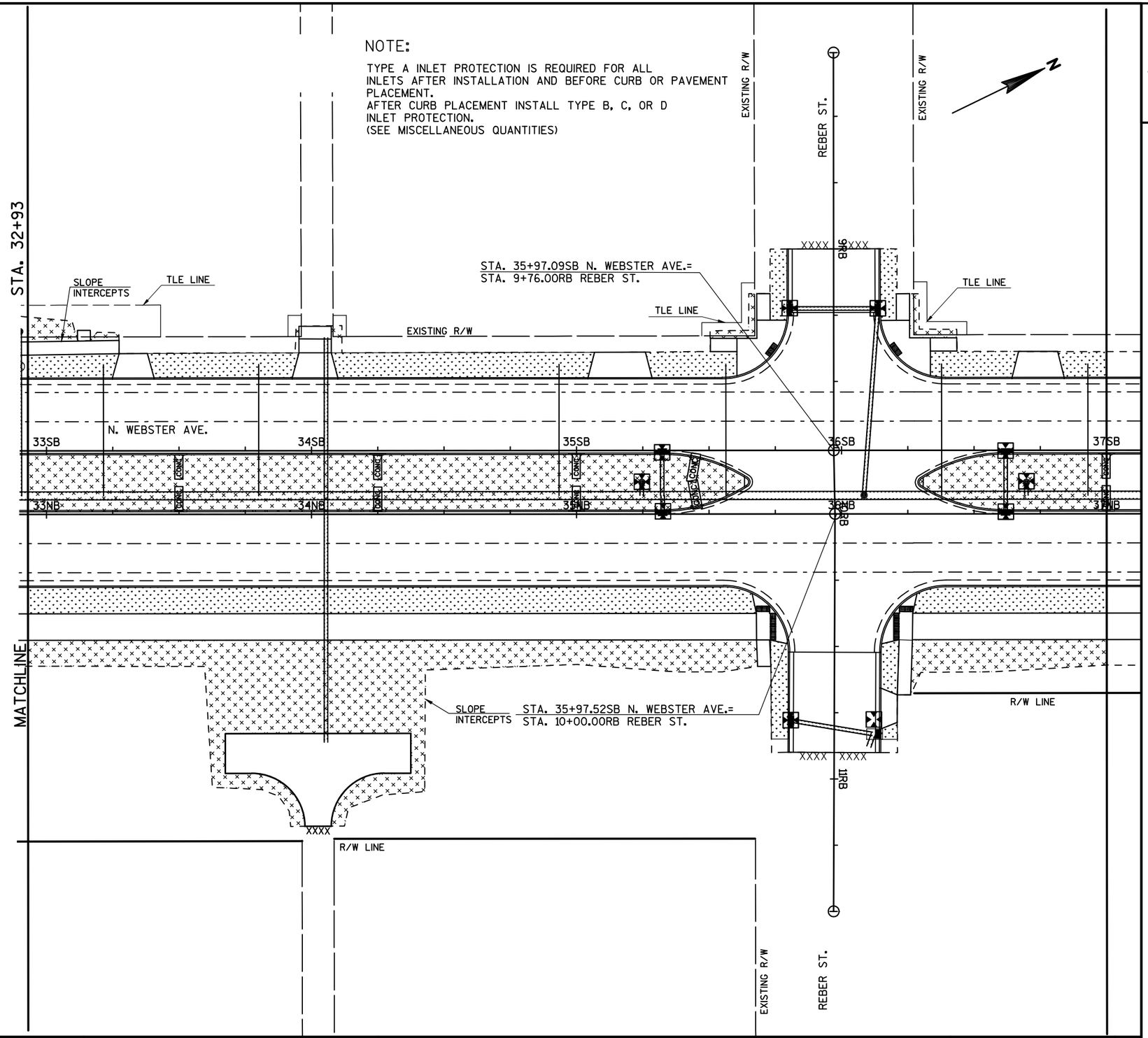
FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\022005 EC.DWG
LAYOUT NAME - 022005 EC
PLOT DATE : 11/1/2018 12:21 PM PLOT BY : VERVILLE, PHILLIP PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 42

LEGEND

- EROSION MAT CLASS 1, TYPE A URBAN
- SOD
- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION
- SURFACE WATER FLOW
- CONC — CONCRETE SURFACE DRAIN

NOTE:

TYPE A INLET PROTECTION IS REQUIRED FOR ALL INLETS AFTER INSTALLATION AND BEFORE CURB OR PAVEMENT PLACEMENT.
AFTER CURB PLACEMENT INSTALL TYPE B, C, OR D INLET PROTECTION.
(SEE MISCELLANEOUS QUANTITIES)



PROJECT NO: 4987-02-65	HWY: N. WEBSTER AVE.	COUNTY: BROWN	EROSION CONTROL	SHEET E

FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\022006 EC.DWG
LAYOUT NAME - 022006 EC
PLOT DATE : 11/1/2018 12:22 PM PLOT BY : VERVILLE, PHILLIP PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

LEGEND

- EROSION MAT CLASS 1, TYPE A URBAN
- SOD
- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION
- SURFACE WATER FLOW
- CONC — CONCRETE SURFACE DRAIN

NOTE:

TYPE A INLET PROTECTION IS REQUIRED FOR ALL INLETS AFTER INSTALLATION AND BEFORE CURB OR PAVEMENT PLACEMENT.
AFTER CURB PLACEMENT INSTALL TYPE B, C, OR D INLET PROTECTION.
(SEE MISCELLANEOUS QUANTITIES)

N

EXISTING R/W

BERNER ST.

EXISTING R/W

STA. 39+87.68SB N. WEBSTER AVE.=
STA. 9+76.00 BERNER ST.

TLE LINE

10BR

TLE LINE

SLOPE INTERCEPTS

EXISTING R/W

37SB 38SB 39SB 40SB 41SB 42SB 43SB

N. WEBSTER AVE.

37NB 38NB 39NB 40NB 41NB 42NB 43NB

R/W LINE

R/W LINE

R/W LINE

11BR

STA. 39+87.44NB N. WEBSTER AVE.=
STA. 10+00.00 BERNER ST.

SLOPE INTERCEPTS

BERNER ST.

EXISTING R/W

EXISTING R/W

PROJECT NO: 4987-02-65	HWY: N. WEBSTER AVE.	COUNTY: BROWN	EROSION CONTROL	SHEET 60	E

2

STA. 43+77.39SB N. WEBSTER AVE.=
STA. 9+75.97KL KLAUS ST.

STA. 48+50.00NB N. WEBSTER AVE.=
STA. 10+00.00VB VANDERBRAAK ST.

STA. 43+77.83NB N. WEBSTER AVE.=
STA. 10+00.00KL KLAUS ST.

N. WEBSTER AVE.

LEO FRIGO DR.

KLAUS ST.

VANDERBRAAK ST.

EXISTING R/W

TLE LINE

R/W LINE

SLOPE INTERCEPTS

43SB 44SB 45SB 46SB 47SB 48SB 49SB

43NB 44NB 45NB 46NB 47NB 48NB 49NB

10KL

10VB

LEGEND

- EROSION MAT CLASS 1, TYPE A URBAN
- SOD
- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION
- SURFACE WATER FLOW
- CONC — CONCRETE SURFACE DRAIN

NOTE:

TYPE A INLET PROTECTION IS REQUIRED FOR ALL INLETS AFTER INSTALLATION AND BEFORE CURB OR PAVEMENT PLACEMENT.
AFTER CURB PLACEMENT INSTALL TYPE B, C, OR D INLET PROTECTION.
(SEE MISCELLANEOUS QUANTITIES)

PROJECT NO: 4987-02-65	HWY: N. WEBSTER AVE.	COUNTY: BROWN	EROSION CONTROL	SHEET E

FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\022008 EC.DWG
LAYOUT NAME - 022008 EC

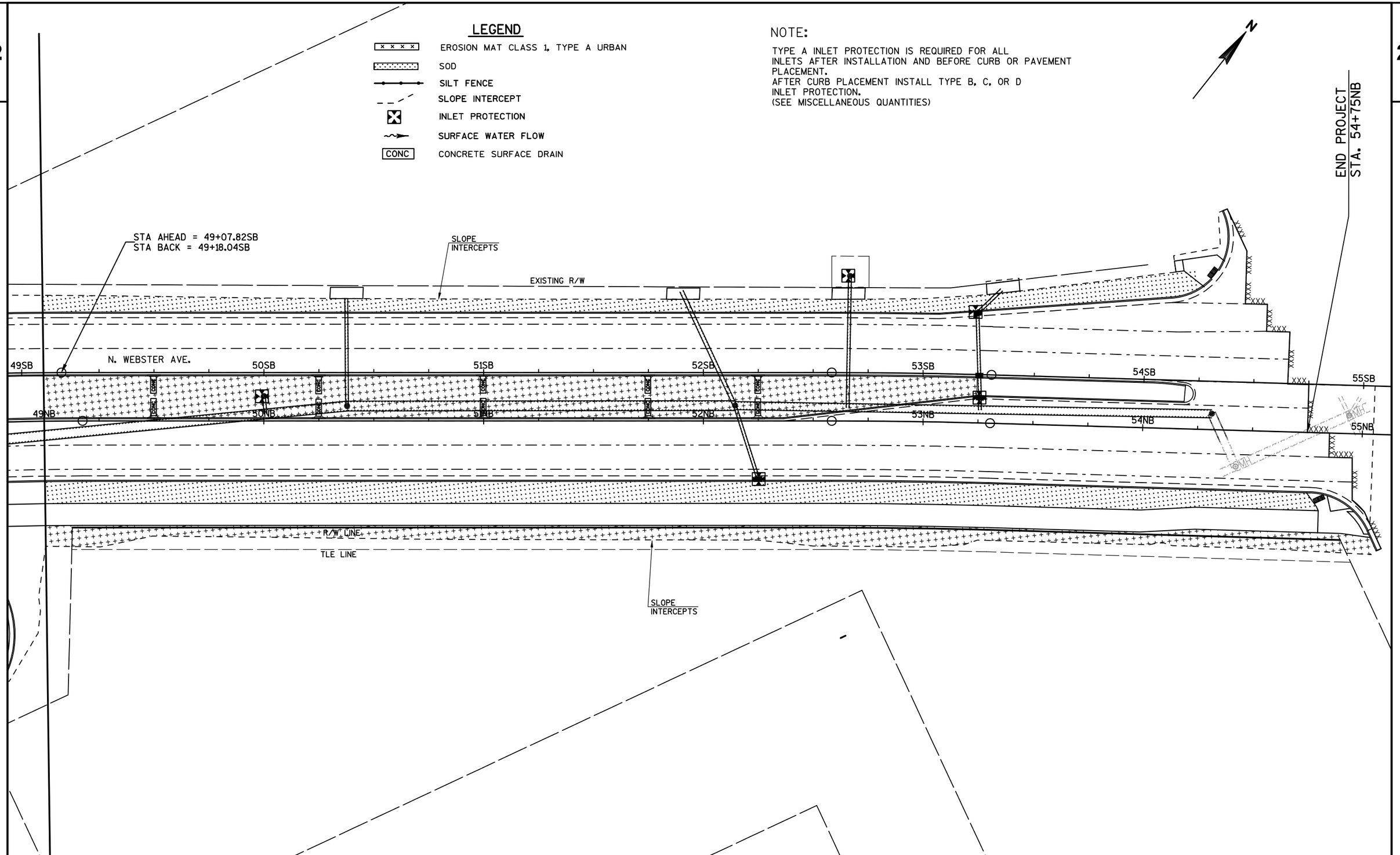
PLOT DATE : 11/1/2018 12:26 PM PLOT BY : VERVILLE, PHILLIP PLOT NAME : PLOT SCALE : 1 IN:40 FT

LEGEND

- EROSION MAT CLASS 1, TYPE A URBAN
- SOD
- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION
- SURFACE WATER FLOW
- CONC — CONCRETE SURFACE DRAIN

NOTE:

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AFTER CURB PLACEMENT INSTALL TYPE B, C, OR D INLET PROTECTION.
(SEE MISCELLANEOUS QUANTITIES)



PROJECT NO: 4987-02-65	HWY: N. WEBSTER AVE.	COUNTY: BROWN	EROSION CONTROL	SHEET E

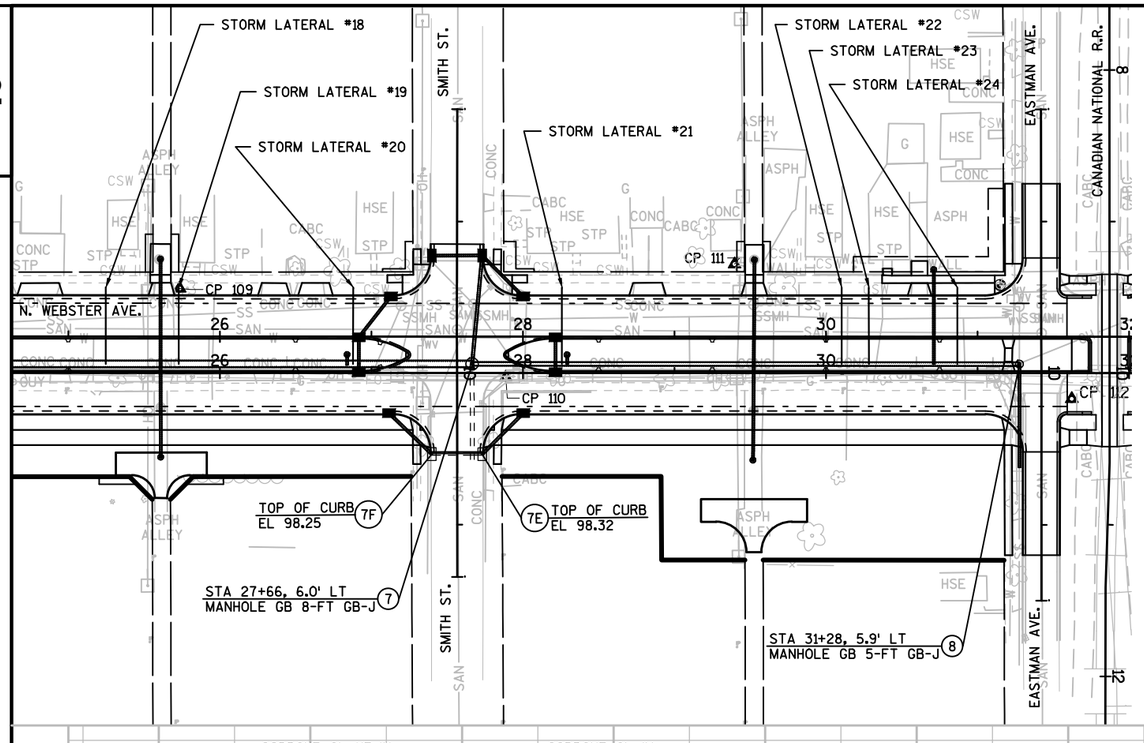
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LAYOUT NAME - 022009 EC
PLOT DATE : 11/1/2018 12:27 PM PLOT BY : VERVILLE, PHILLIP PLOT NAME : PLOT SCALE : 1 IN:40 FT

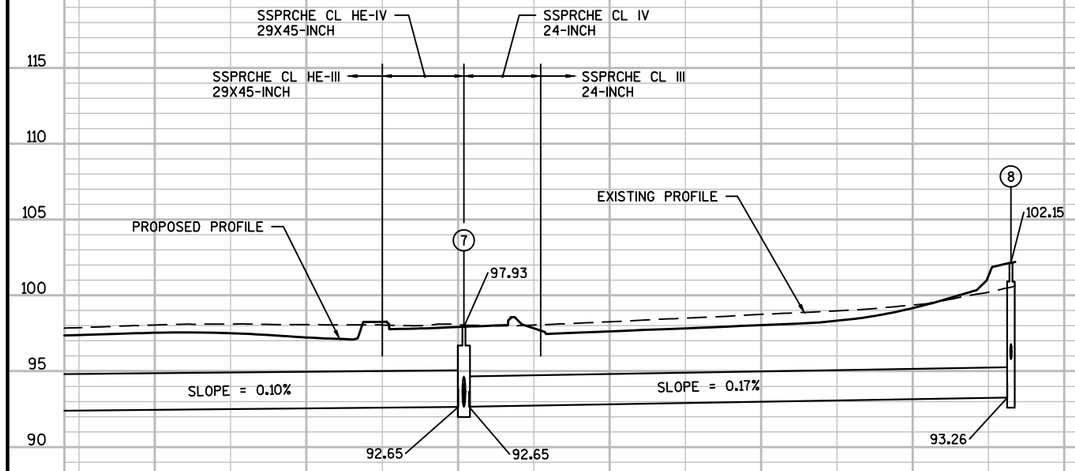
NOTE:

-FIELD VERIFY STORM SEWER LATERALS *12, *13, *15, AND *16 ARE ACTIVE PRIOR TO RECONNECTING.
-CASTINGS FOR PLATED INLETS 1A, 1B, 1C, 1F, 2A, 2B, 2C, AND 2D WILL BE DELIVERED BY THE CITY OF GREEN BAY STAFF FROM SEWERS 6-18 PROJECT.
-OFFSET DISTANCE TO CENTER FOR MANHOLES AND INLETS.
-GRATE ELEVATION IS FIGURED TO BACK OF CURB AT INLET AND CENTER OF MANHOLE COVER.

PROJECT NO: 4987-02-65	HWY: WEBSTER AVE	COUNTY: BROWN	STORM SEWER	SHEET 63 E

FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 022501-SS - 022501 SS
PLOT DATE : 10/30/2018 7:26 AM PLOT BY : AYRES ASSOCIATES PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 41

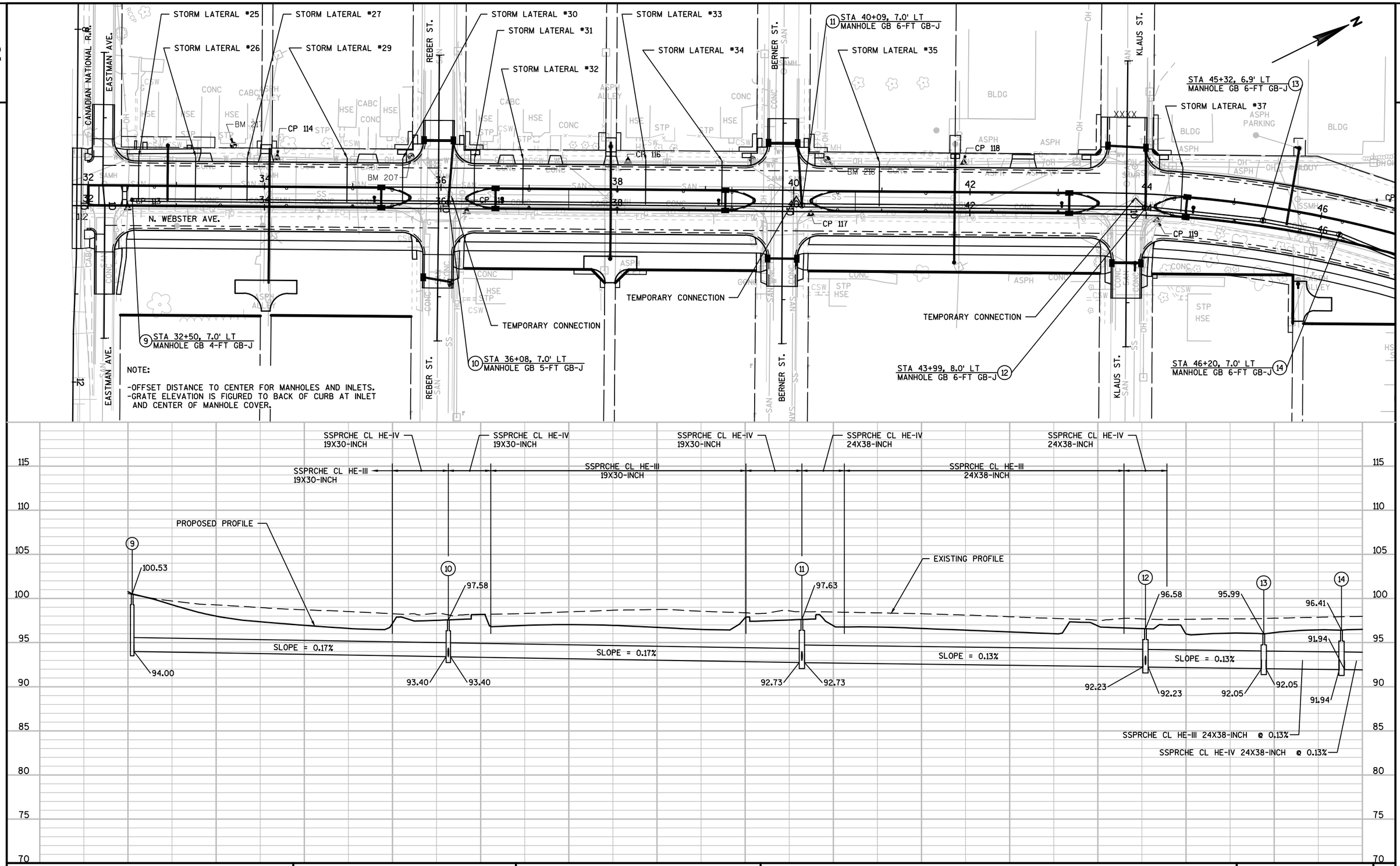




NOTE:

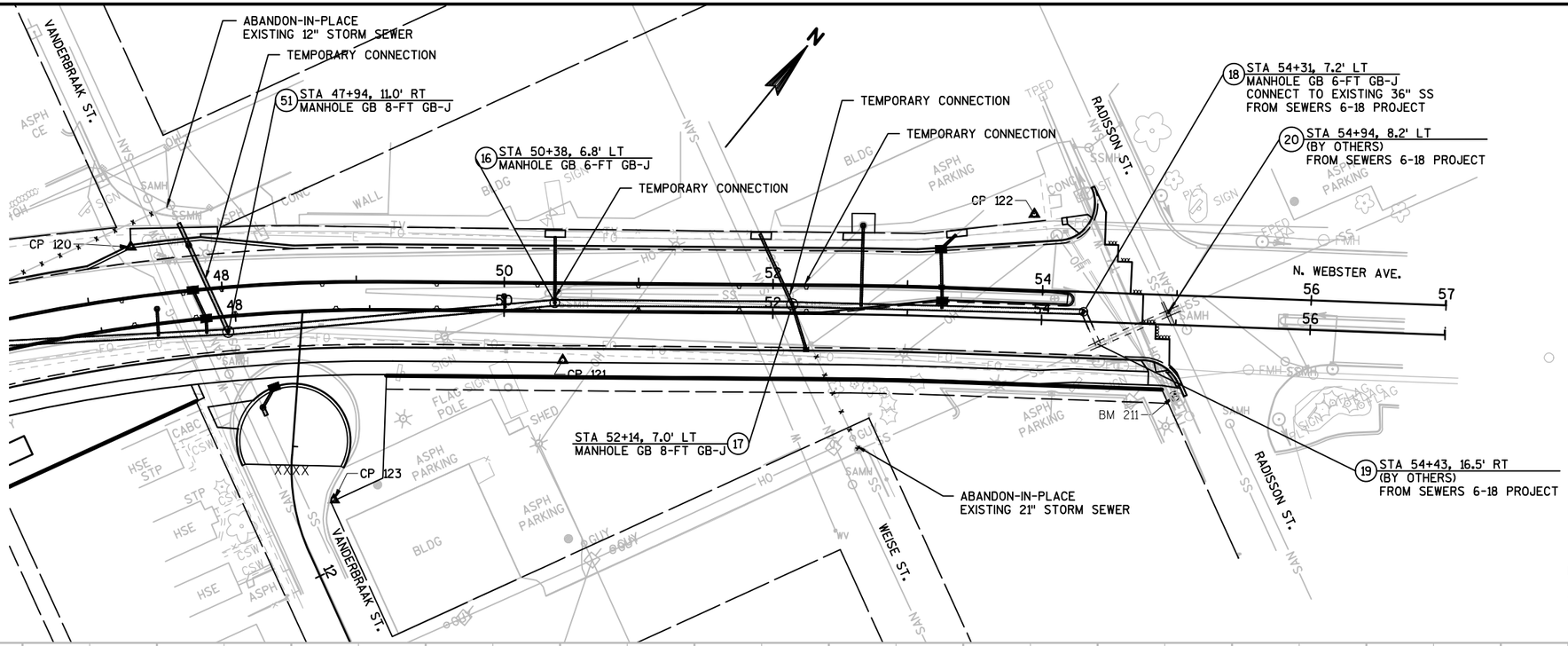
-OFFSET DISTANCE TO CENTER FOR MANHOLES AND INLETS.
-GRATE ELEVATION IS FIGURED TO BACK OF CURB AT INLET AND CENTER OF MANHOLE COVER.

PROJECT NO: 4987-02-65	HWY: WEBSTER AVE	COUNTY: BROWN	STORM SEWER	SHEET 64	E



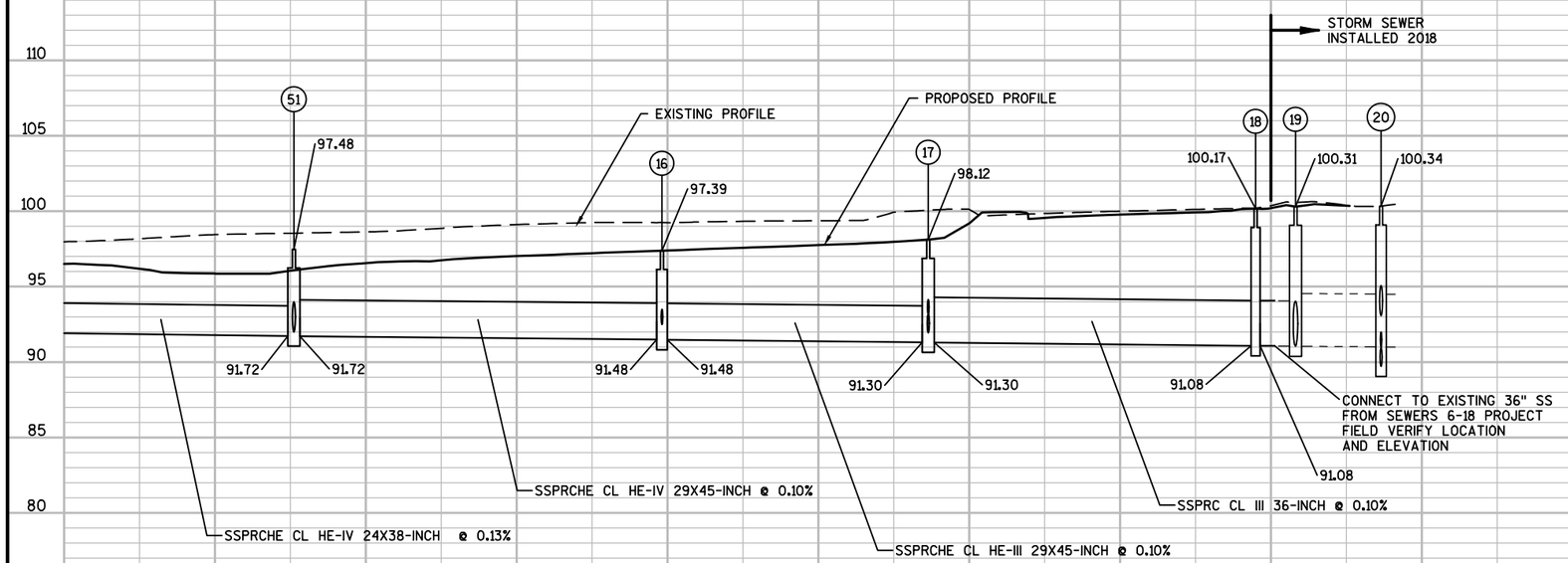
PROJECT NO: 4987-02-65	HWY: WEBSTER AVE	COUNTY: BROWN	STORM SEWER	SHEET 65	E

2



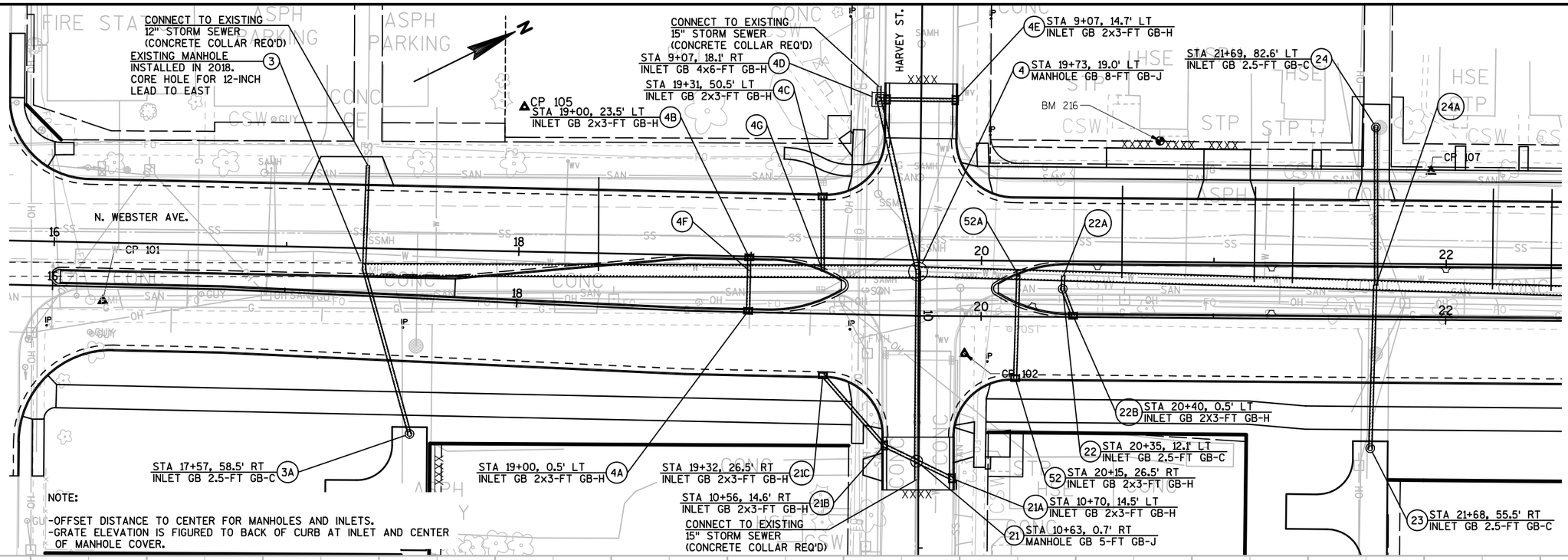
NOTE:

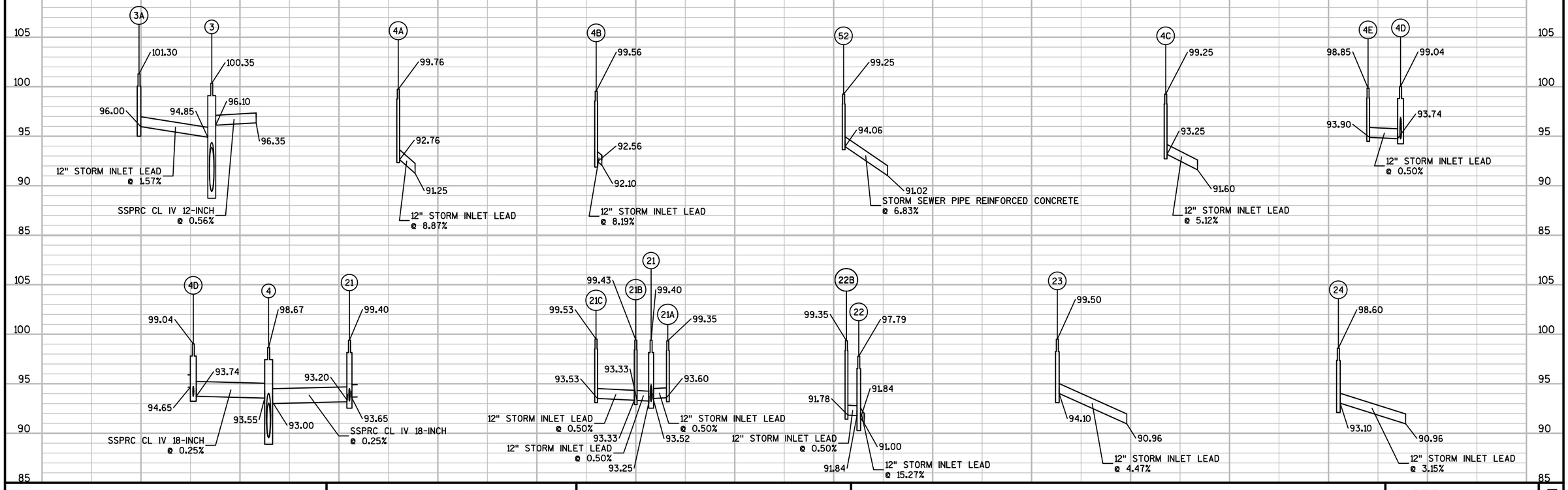
-OFFSET DISTANCE TO CENTER FOR MANHOLES AND INLETS.
-GRATE ELEVATION IS FIGURED TO BACK OF CURB AT INLET AND CENTER OF MANHOLE COVER.



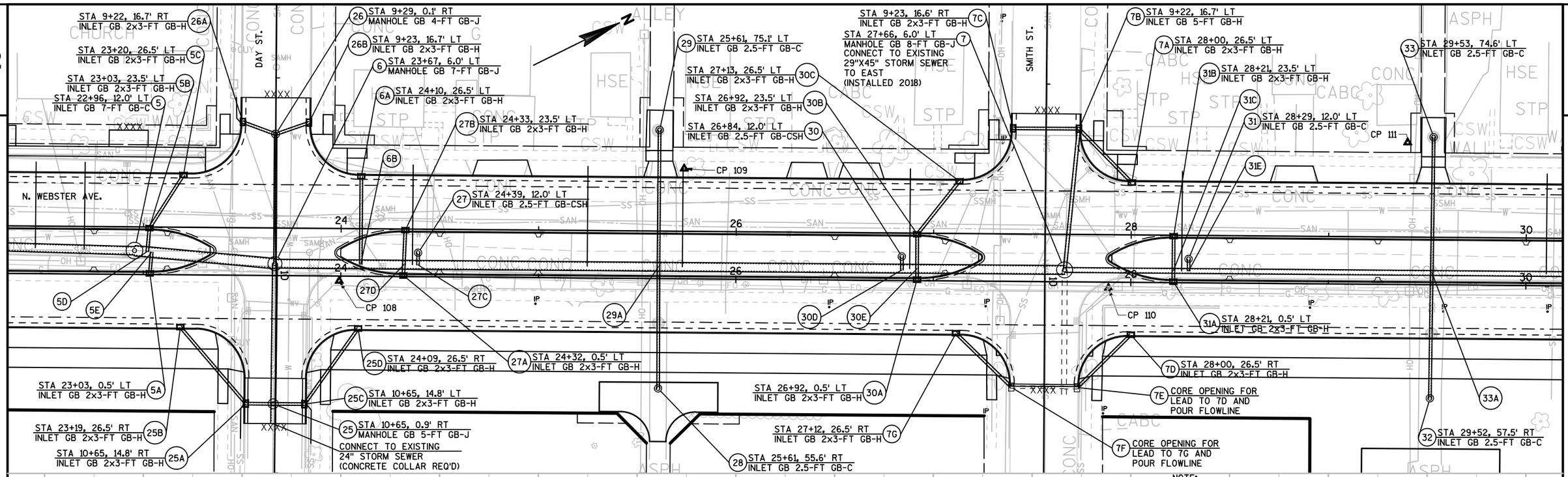
PROJECT NO: 4987-02-65	HWY: WEBSTER AVE	COUNTY: BROWN	STORM SEWER	SHEET E

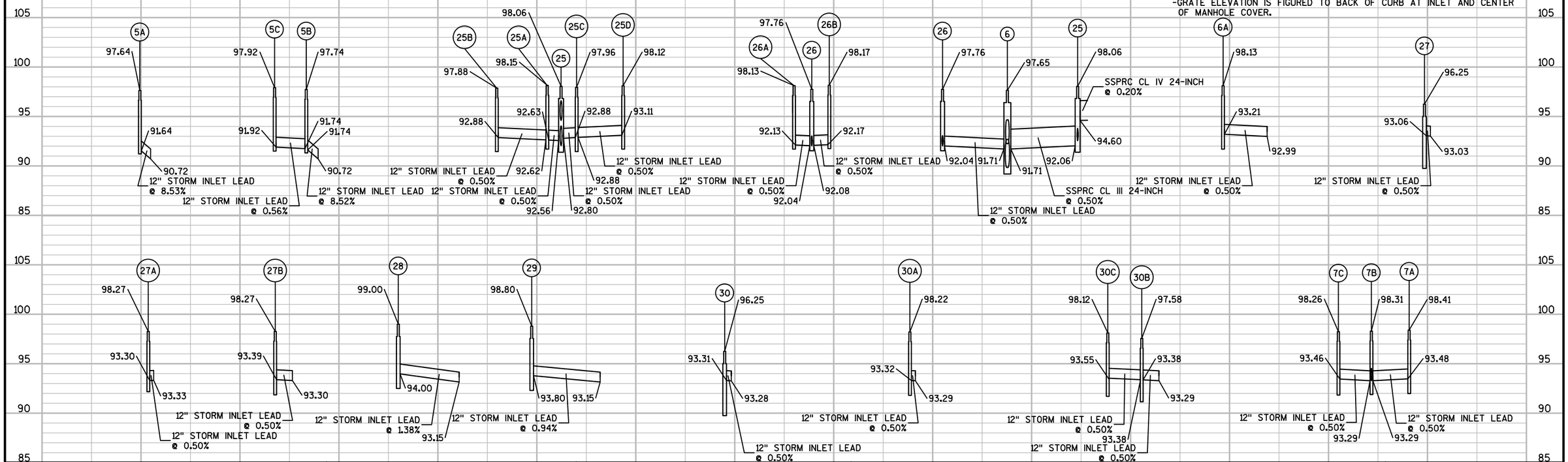
FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 022501-SS - 022504SS
PLOT DATE : 10/30/2018 7:27 AM PLOT BY : AYRES ASSOCIATES PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 41





PROJECT NO: 4987-02-65	HWY: WEBSTER AVE	COUNTY: BROWN	STORM SEWER	SHEET 67	E

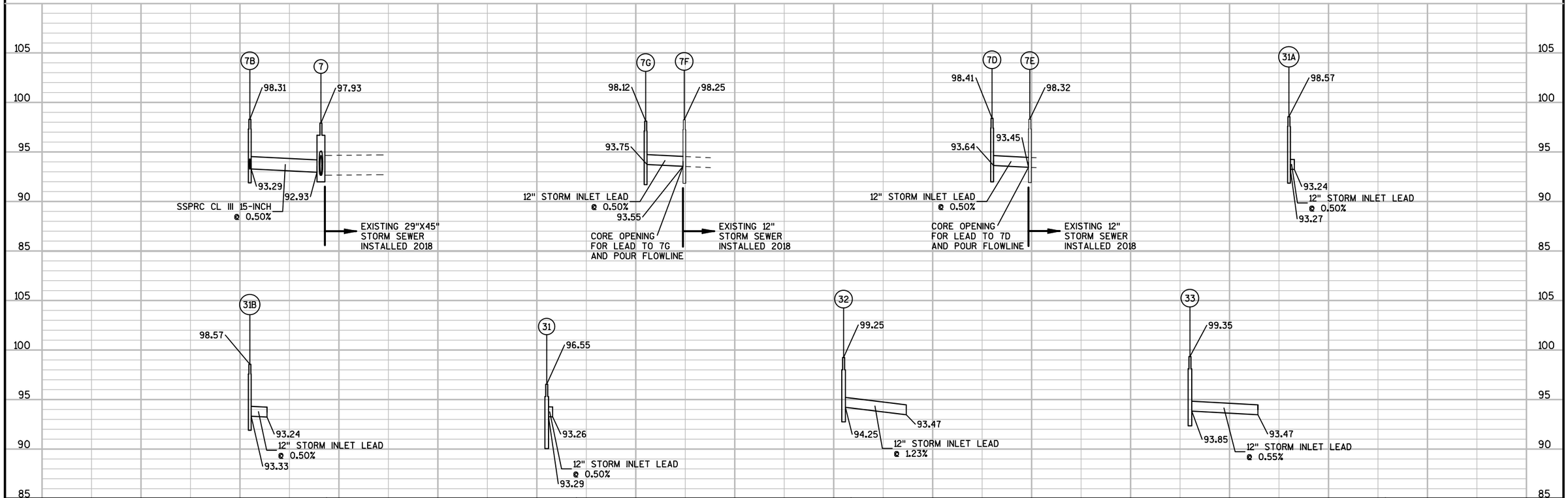




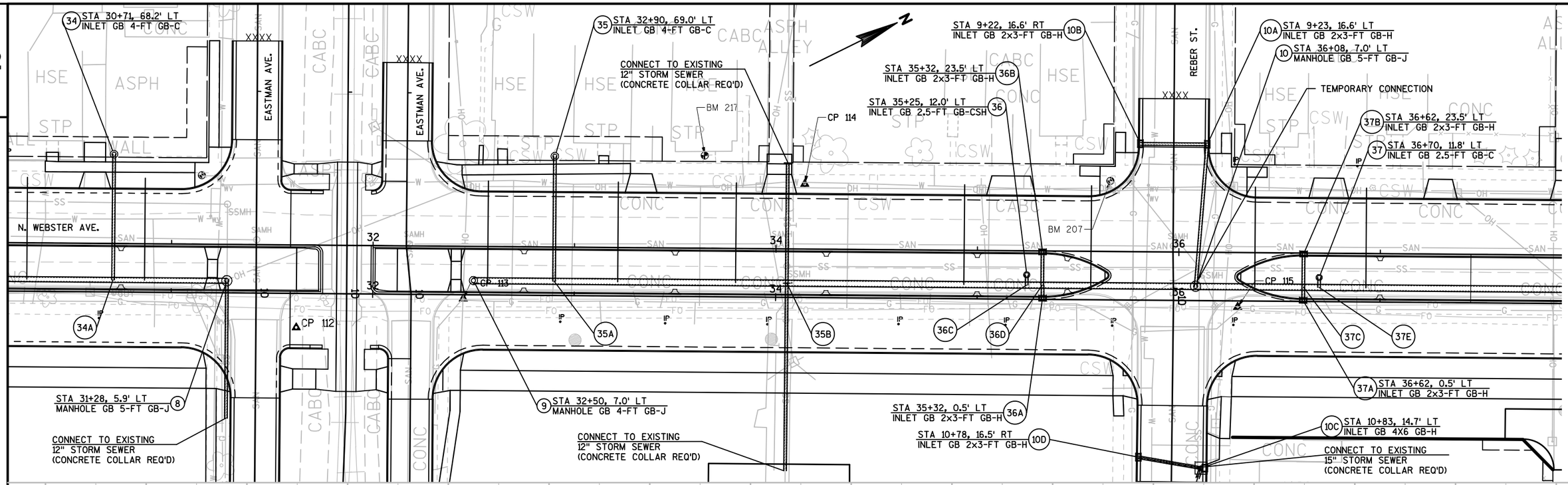
PROJECT NO: 4987-02-65	HWY: WEBSTER AVE	COUNTY: BROWN	STORM SEWER	SHEET 68	E

NOTE:

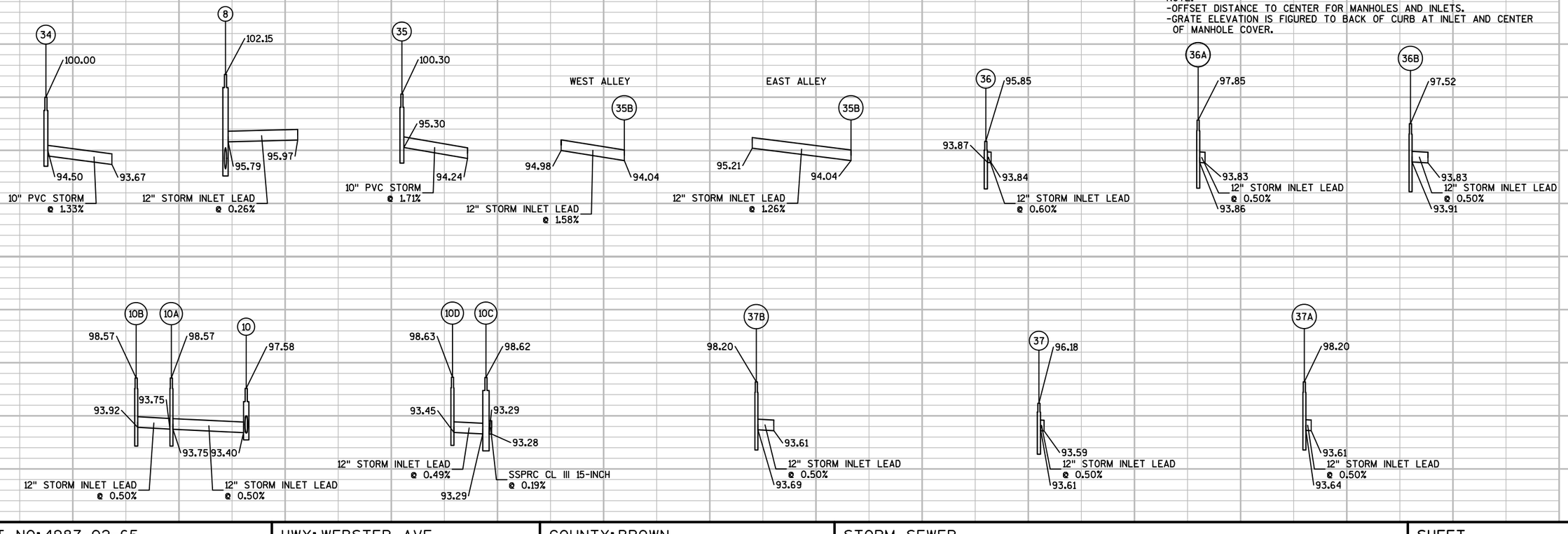
-OFFSET DISTANCE TO CENTER FOR MANHOLES AND INLETS.
-GRATE ELEVATION IS FIGURED TO BACK OF CURB AT INLET AND CENTER OF MANHOLE COVER.



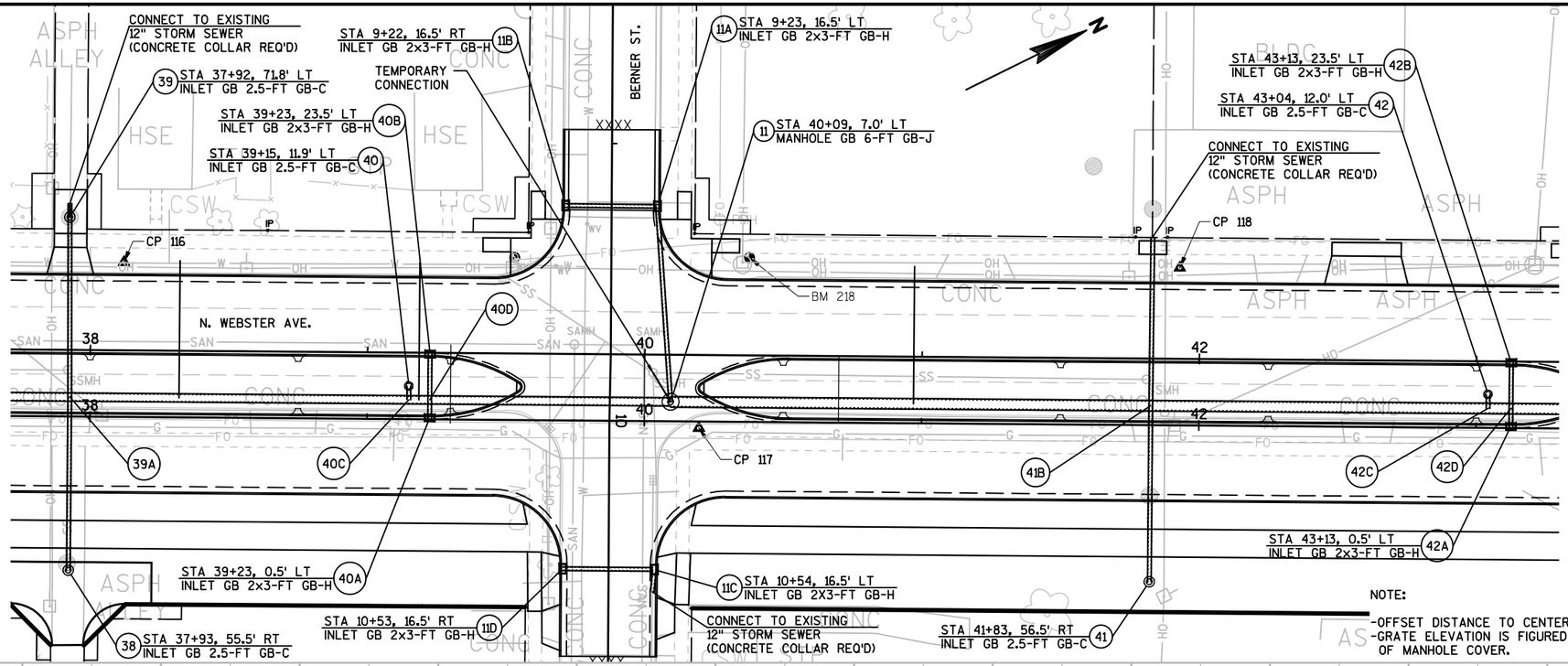
PROJECT NO: 4987-02-65	HWY: WEBSTER AVE	COUNTY: BROWN	STORM SEWER	SHEET 69 E

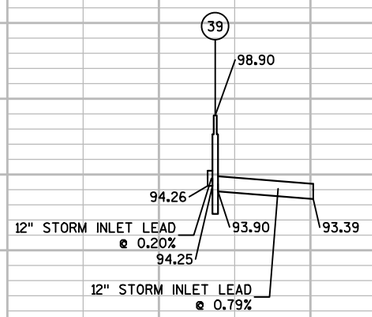


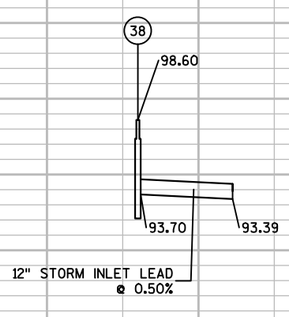
NOTE:
-OFFSET DISTANCE TO CENTER FOR MANHOLES AND INLETS.
-GRATE ELEVATION IS FIGURED TO BACK OF CURB AT INLET AND CENTER OF MANHOLE COVER.

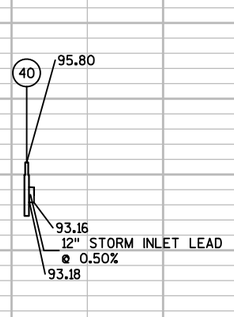


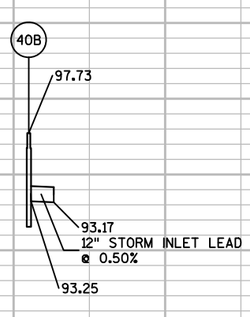
PROJECT NO: 4987-02-65	HWY: WEBSTER AVE	COUNTY: BROWN	STORM SEWER	SHEET 70	E

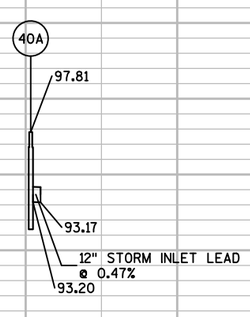


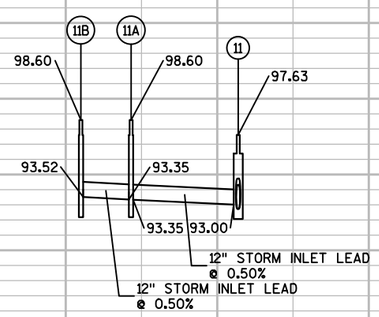


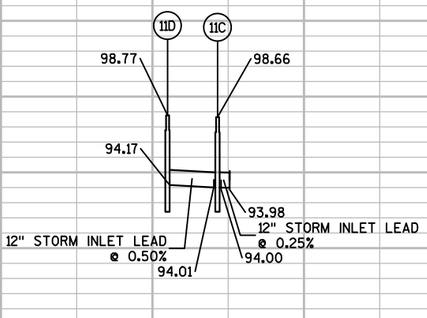


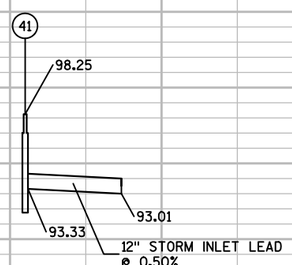


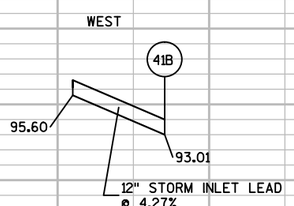


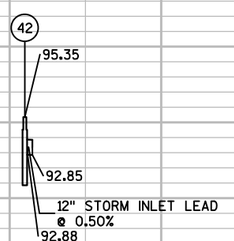


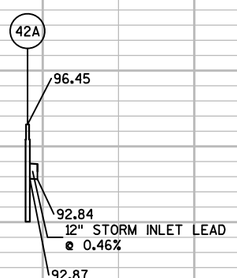


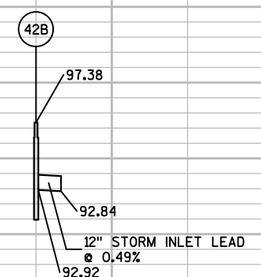




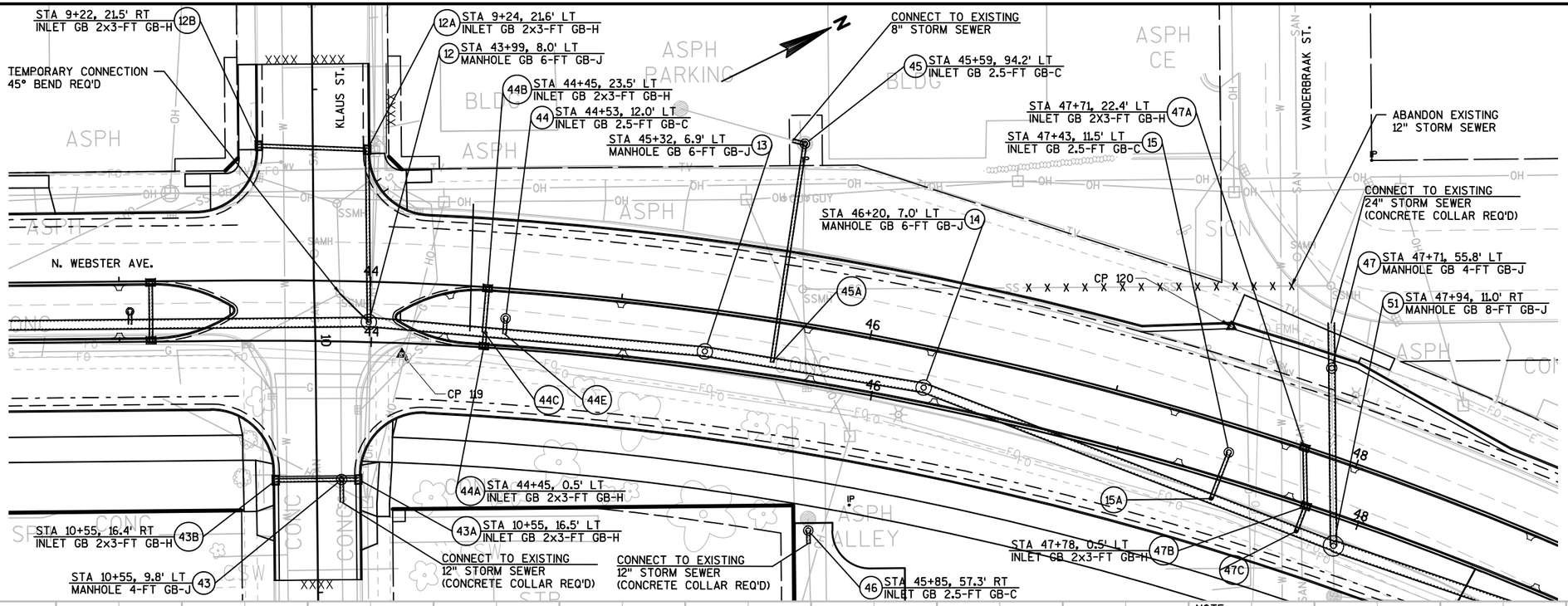






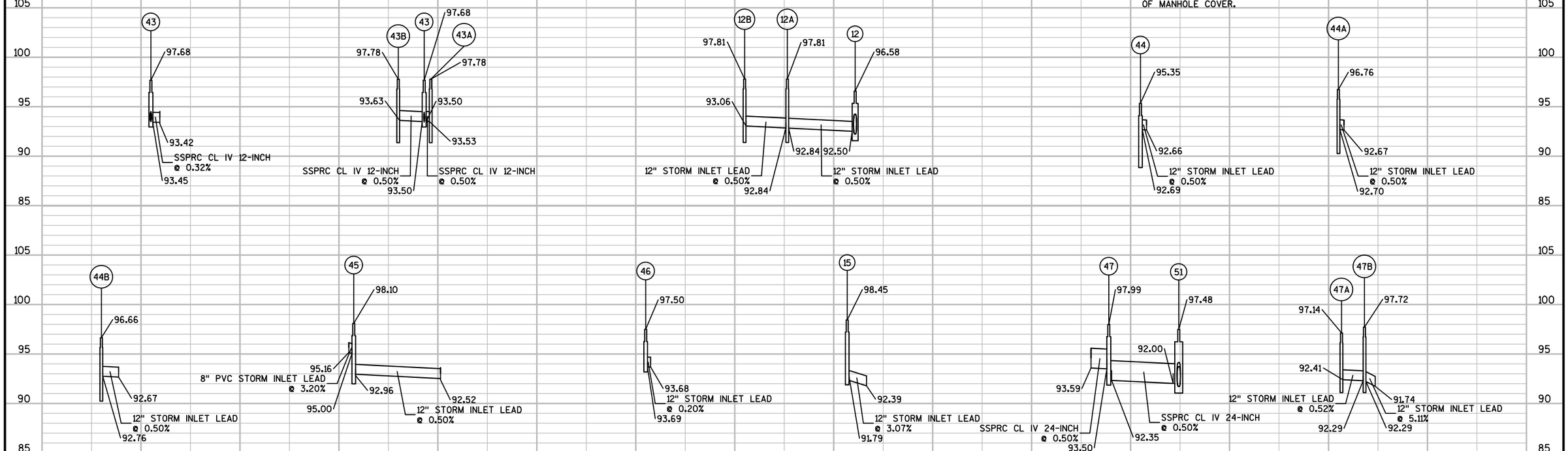


PROJECT NO: 4987-02-65	HWY: WEBSTER AVE	COUNTY: BROWN	STORM SEWER	SHEET 71 E

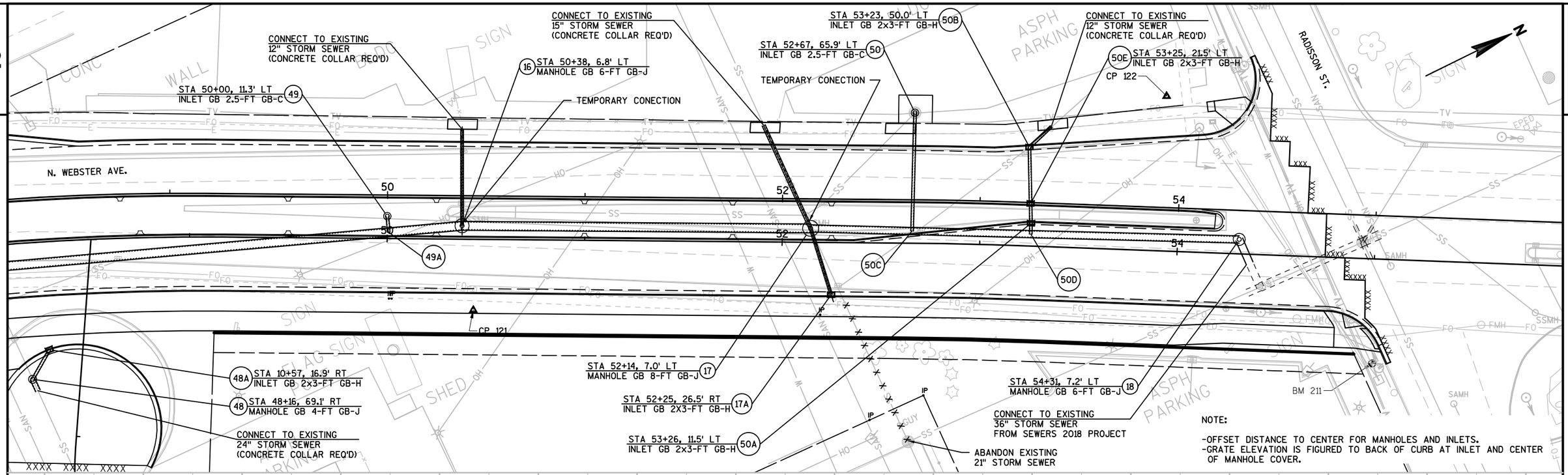


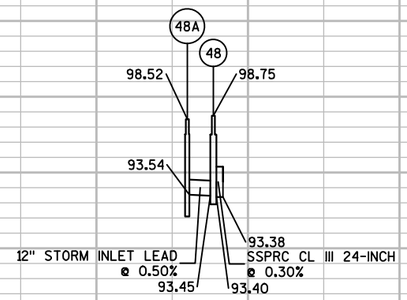
NOTE:

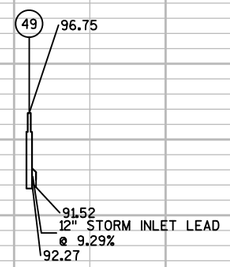
-OFFSET DISTANCE TO CENTER FOR MANHOLES AND INLETS.
-GRATE ELEVATION IS FIGURED TO BACK OF CURB AT INLET AND CENTER OF MANHOLE COVER.

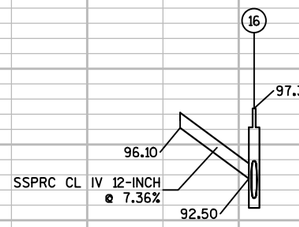


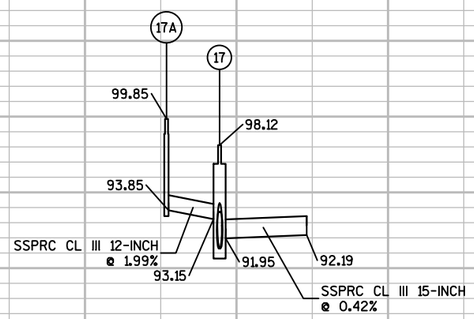
PROJECT NO: 4987-02-65	HWY: WEBSTER AVE	COUNTY: BROWN	STORM SEWER	SHEET 72	E

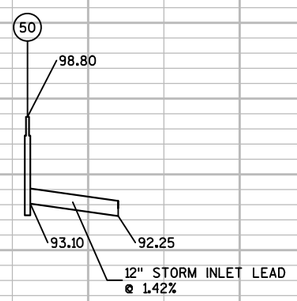


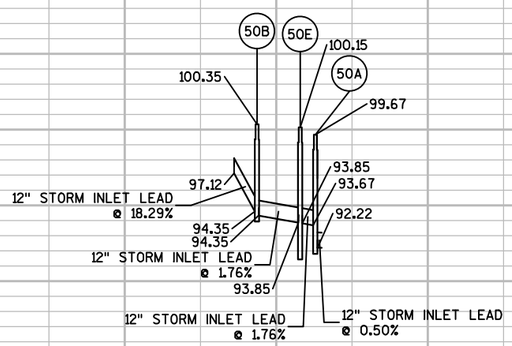












PROJECT NO: 4987-02-65	HWY: WEBSTER AVE	COUNTY: BROWN	STORM SEWER	SHEET	E

FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\022511-SS.DWG
LAYOUT NAME - 022511-SS - 022511

PLOT DATE : 10/30/2018 7:35 AM PLOT BY : AYRES ASSOCIATES PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 41

2

NOTES

CITY OF GREEN BAY SHALL APPROVE FINAL LOCATIONS FOR ALL CONCRETE BASES IN THE FIELD PRIOR TO CONSTRUCTION. CONTACT CITY OF GREEN BAY 10 DAYS IN ADVANCE.

PULL BOXES SHALL BE INSTALLED FLUSH TO GRADE ± 1".

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

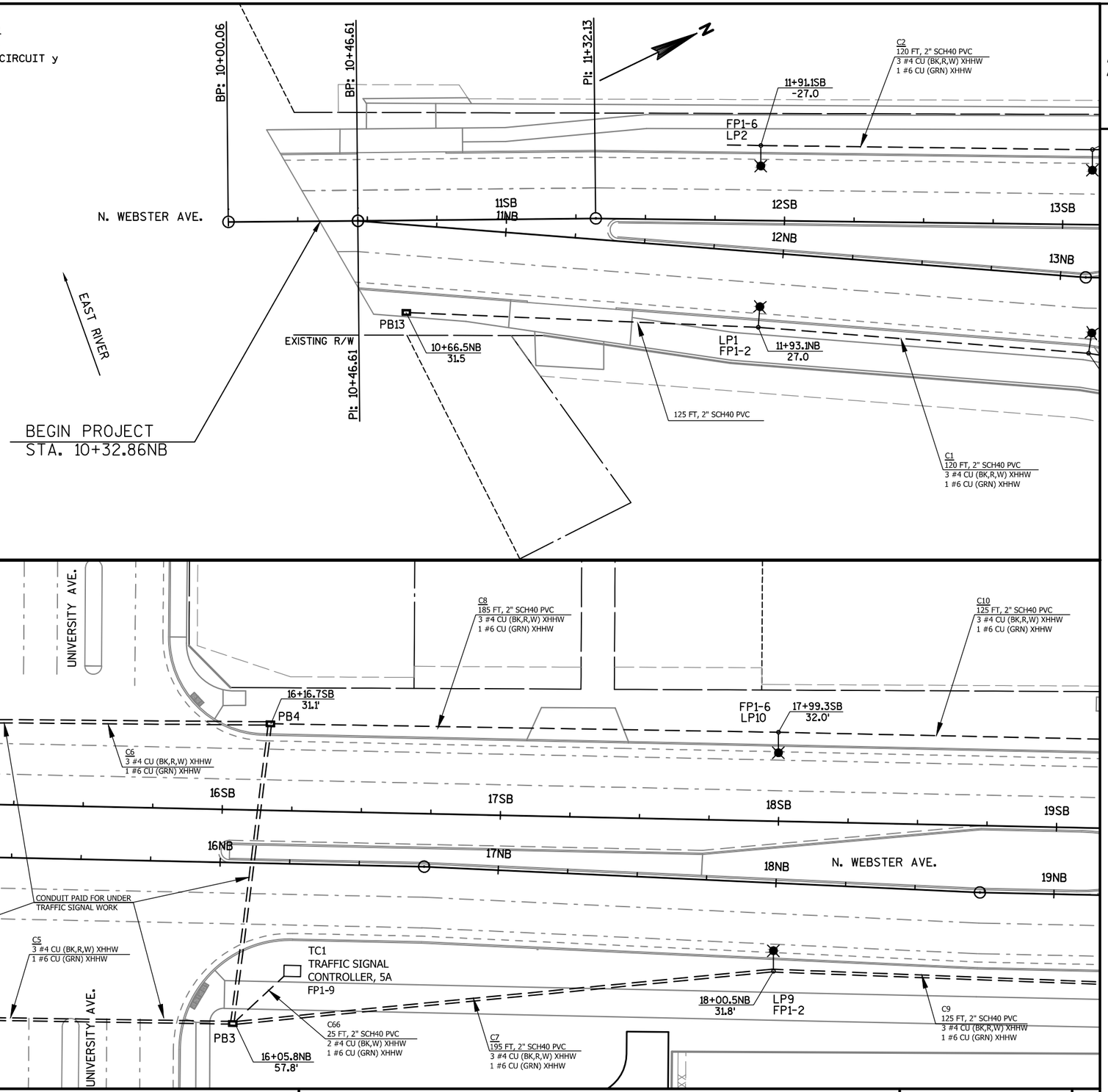
DEPTH OF CONDUIT THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION SHALL ONLY BE ACCEPTED WITH THE WRITTEN APPROVAL OF THE ENGINEER.

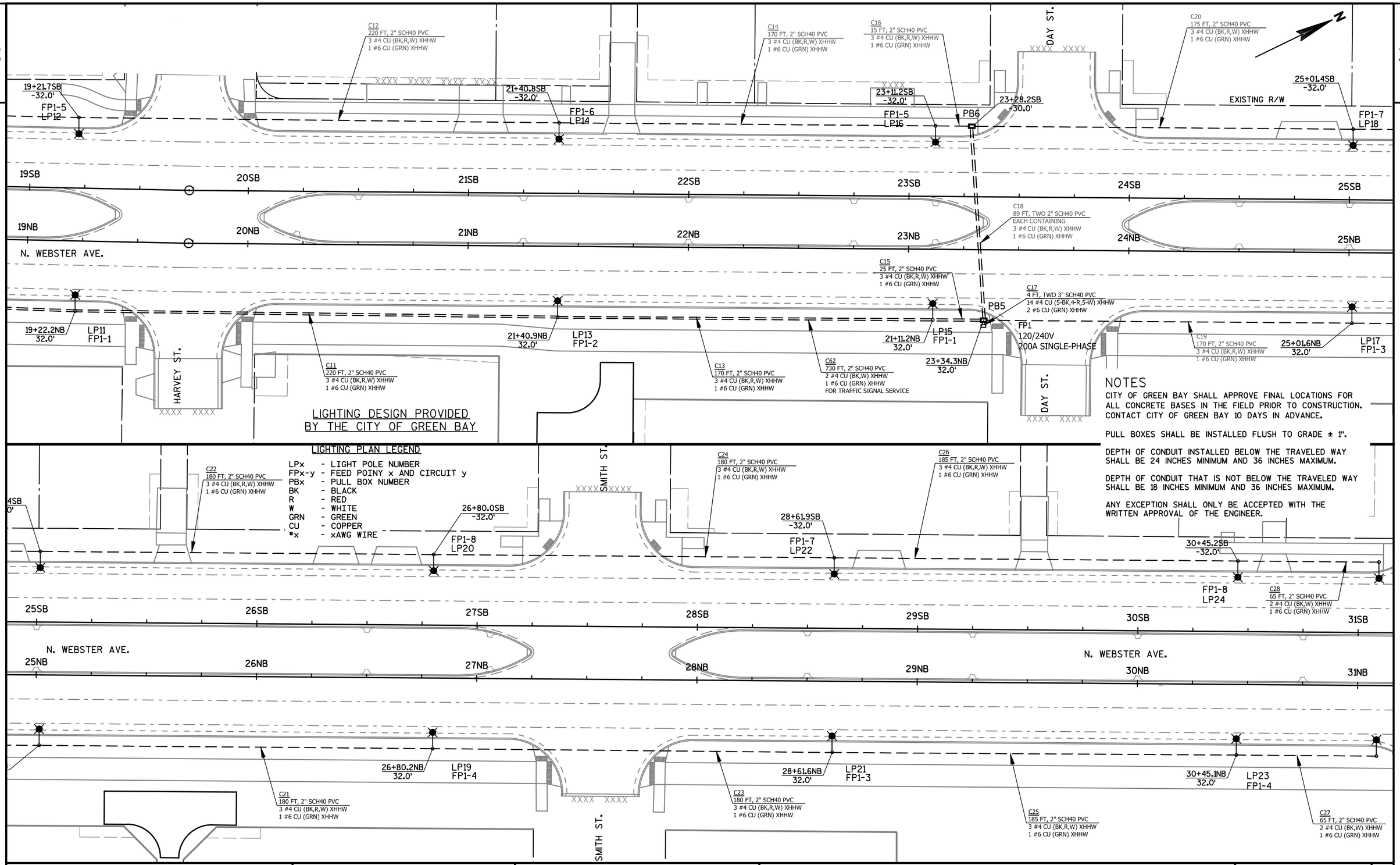
LIGHTING DESIGN PROVIDED BY THE CITY OF GREEN BAY

LIGHTING PLAN LEGEND

LPx	- LIGHT POLE NUMBER
FPx-y	- FEED POINY x AND CIRCUIT y
PBx	- PULL BOX NUMBER
BK	- BLACK
R	- RED
W	- WHITE
GRN	- GREEN
CU	- COPPER
*x	- xAWG WIRE



PROJECT NO: 4987-02-65	HWY: N. WEBSTER AVE.	COUNTY: BROWN	LIGHTING PLAN	SHEET 74	E



NOTES

CITY OF GREEN BAY SHALL APPROVE FINAL LOCATIONS FOR ALL CONCRETE BASES IN THE FIELD PRIOR TO CONSTRUCTION. CONTACT CITY OF GREEN BAY 10 DAYS IN ADVANCE.

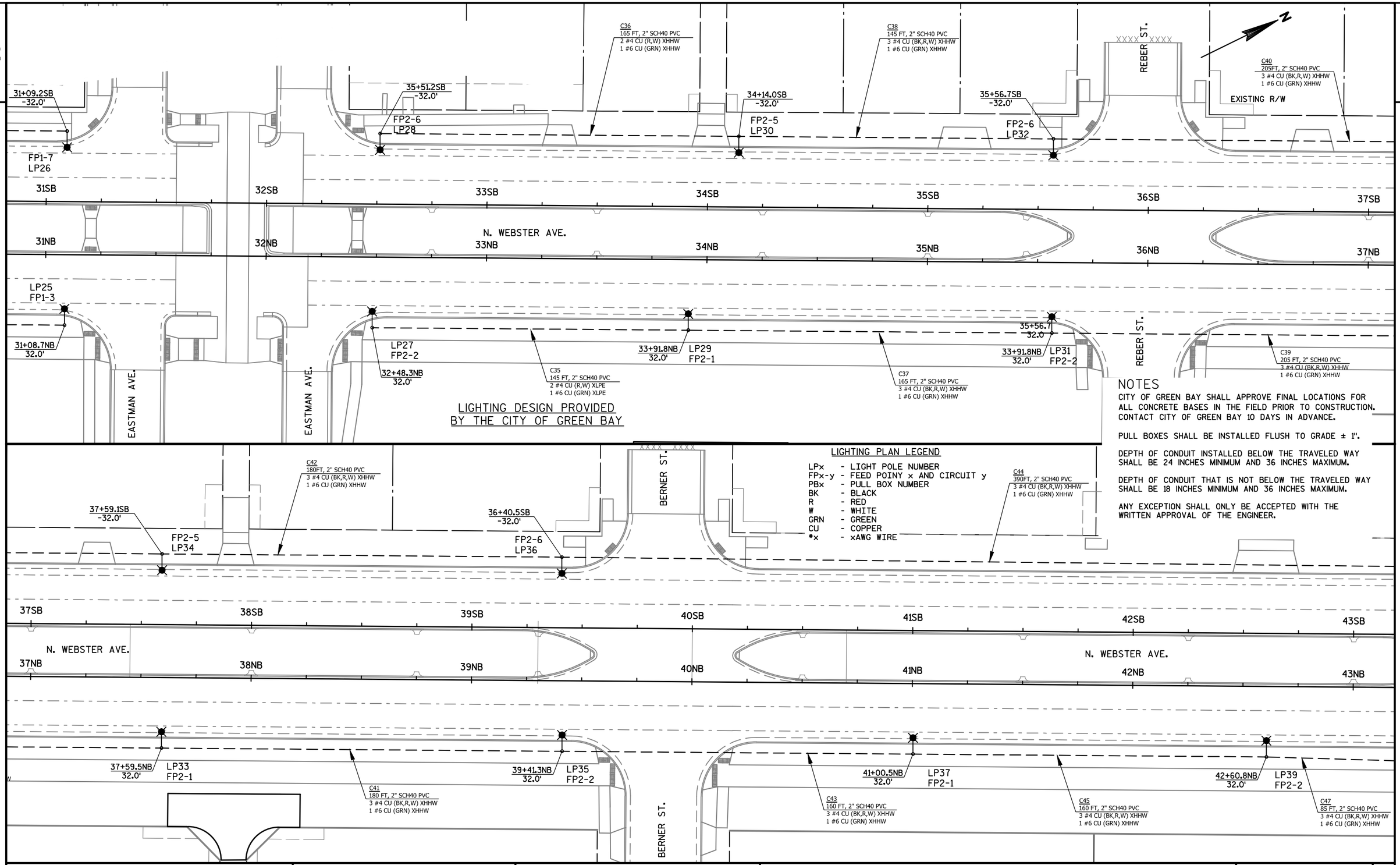
PULL BOXES SHALL BE INSTALLED FLUSH TO GRADE ± 1".

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

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

ANY EXCEPTION SHALL ONLY BE ACCEPTED WITH THE WRITTEN APPROVAL OF THE ENGINEER.

PROJECT NO: 4987-02-65	HWY: N. WEBSTER AVE.	COUNTY: BROWN	LIGHTING PLAN	SHEET 75	E



PROJECT NO: 4987-02-65	HWY: N. WEBSTER AVE.	COUNTY: BROWN	LIGHTING PLAN	SHEET 76	E

LIGHTING PLAN LEGEND

LPx - LIGHT POLE NUMBER
FPx-y - FEED POINY x AND CIRCUIT y
PBx - PULL BOX NUMBER
BK - BLACK
R - RED
W - WHITE
GRN - GREEN
CU - COPPER
#x - xAWG WIRE

NOTES

CITY OF GREEN BAY SHALL APPROVE FINAL LOCATIONS FOR ALL CONCRETE BASES IN THE FIELD PRIOR TO CONSTRUCTION. CONTACT CITY OF GREEN BAY 10 DAYS IN ADVANCE.

PULL BOXES SHALL BE INSTALLED FLUSH TO GRADE ± 1".

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

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

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N

43+33.4SB
-30.7'
PB8

C48
270 FT, 2" SCH40 PVC
3 #4 CU (BK,R,W) XHHW
1 #6 CU (GRN) XHHW

45+99.6SB
-32.0'
FP2-7
LP38

C50
210 FT, 2" SCH40 PVC
3 #4 CU (BK,R,W) XHHW
1 #6 CU (GRN) XHHW

VANDERBRAAK ST.

LEO FRIGO DR.

43SB
44SB
45SB
46SB
47SB
48SB
49SB

N. WEBSTER AVE.
43NB
44NB
45NB
46NB
47NB
48NB
49NB

C46
90 FT, TWO 2" SCH40 PVC
EACH CONTAINING
3 #4 CU (BK,R,W) XHHW
1 #6 CU (GRN) XHHW

48+05.1SB
-38.0'
FP2-8
LP40

C52
170 FT, 2" SCH40 PVC
3 #4 CU (BK,R,W) XHHW
1 #6 CU (GRN) XHHW

C51
70 FT, 2" SCH40 PVC
3 #4 CU (BK,R,W) XHHW
1 #6 CU (GRN) XHHW

43+44.6NB
33.8'
FP2
120/240V,
200A SINGLE-PHASE
PB7

C49
3 FT, TWO 3" SCH40 PVC
EACH CONTAINING
8 #4 CU (3-BK,2-R,3-W) XHHW
1 #6 CU (GRN) XHHW

LP41
FP2-3

44+17.3NB
32.0'

C53
175 FT, 2" SCH40 PVC
3 #4 CU (BK,R,W) XHHW
1 #6 CU (GRN) XHHW

LP43
FP2-4

45+94.8NB
32.0'

C63
600 FT, 2" SCH40 PVC
2 #4 CU (BK,W) XHHW
1 #6 CU (GRN) XHHW
FOR TRAFFIC SIGNAL SERVICE

C55
170 FT, 2" SCH40 PVC
3 #4 CU (BK,R,W) XHHW
1 #6 CU (GRN) XHHW

47+70.5NB
32.0'
LP45
FP2-3

C57
190 FT, 2" SCH40 PVC
3 #4 CU (BK,R,W) XHHW
1 #6 CU (GRN) XHHW

KLAUS ST.

LIGHTING DESIGN PROVIDED
BY THE CITY OF GREEN BAY

VANDERBRAAK ST.

PROJECT NO: 4987-02-65	HWY: N. WEBSTER AVE.	COUNTY: BROWN	LIGHTING PLAN	SHEET 77	E

FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\023504 LP.DWG
LAYOUT NAME - 023504 LP
PLOT DATE : 11/1/2018 1:07 PM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : 1" = 40'
WISDOT/CADDS SHEET 42

2

LIGHTING PLAN LEGEND

LPx - LIGHT POLE NUMBER
FPx-y - FEED POINY x AND CIRCUIT y
PBx - PULL BOX NUMBER
BK - BLACK
R - RED
W - WHITE
GRN - GREEN
CU - COPPER
#x - xAWG WIRE

NOTES

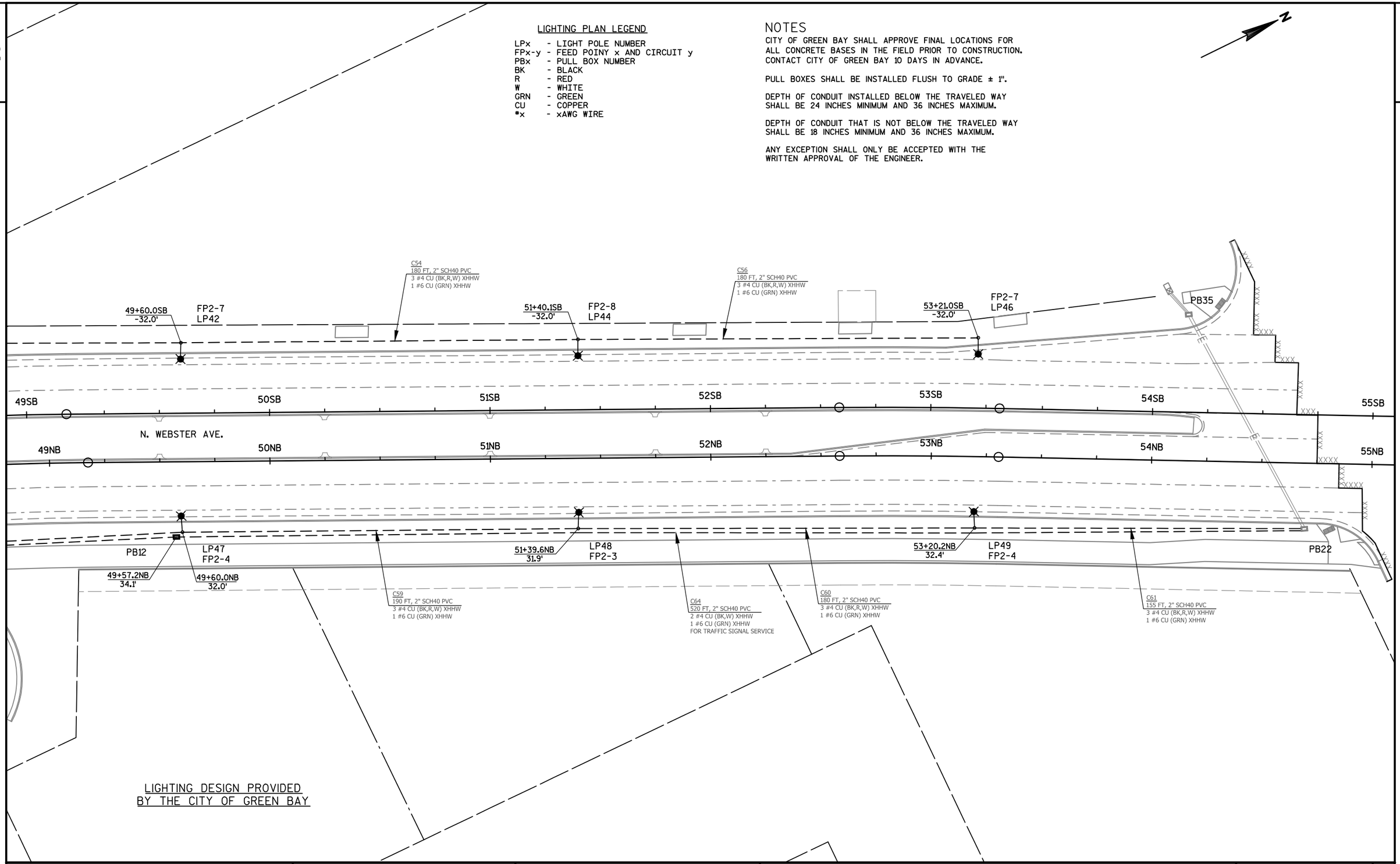
CITY OF GREEN BAY SHALL APPROVE FINAL LOCATIONS FOR ALL CONCRETE BASES IN THE FIELD PRIOR TO CONSTRUCTION. CONTACT CITY OF GREEN BAY 10 DAYS IN ADVANCE.

PULL BOXES SHALL BE INSTALLED FLUSH TO GRADE ± 1".

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

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

ANY EXCEPTION SHALL ONLY BE ACCEPTED WITH THE WRITTEN APPROVAL OF THE ENGINEER.



LIGHTING DESIGN PROVIDED BY THE CITY OF GREEN BAY

PROJECT NO: 4987-02-65	HWY: N. WEBSTER AVE.	COUNTY: BROWN	LIGHTING PLAN	SHEET 78	E

LEGEND

- CONTROL CABINET (WITH GROUND SLEEVE)
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- SIGNAL HEAD, PEDESTAL MOUNT (REMOVED BY CITY FORCES)
- LUMINAIRE ATTACHED TO TRAFFIC POLE
- PULL BOX TO BE REMOVED
- TRAFFIC SIGNAL MAST ARM TO BE SALVAGED

N. WEBSTER AVE.

UNIVERSITY AVE.

EXISTING R/W

POSTED SPEED LIMIT = 25 MPH

EXISTING R/W LINE

SB1 SB2 SB3 SB4 SB5 SB6 SB7 SB8 SB9 SB10

PB1 PB2 PB3 PB4 PB5 PB6

EXCB

ABANDON

1 REMOVE CONCRETE BASE

CAUTION BURIED GAS LINE (APPROXIMATE LOCATION)

R/W LINE

ENTRANCE

FIRE STATION

ASPH PARKING

ASPH ALLEY

ASPH CE

BLDG

CONC CE

CONSTRUCTION NOTES

1. THE LOCATION OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS IN THE PROJECT AREA THAT ARE NOT SHOWN. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION.
2. THE UNDERGROUND CABLES, WIRES, AND ALL ABOVE GROUND TRAFFIC SIGNAL EQUIPMENT SHALL REMAIN THE PROPERTY OF THE CITY OF GREEN BAY TO BE STOCKPILED ON-SITE FOR THEIR RETRIEVAL.
3. LUMINAIRES SHOWN ARE ON A SEPARATE STREET LIGHTING SYSTEM AND ARE NOT POWERED FROM THE TRAFFIC SIGNAL CONTROLLER CABINET.
4. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL PULL BOXES AND SIGNAL BASES.

TRAFFIC CONTROL SIGNAL
UNIVERSITY AVE & WEBSTER AVE
CITY OF GREEN BAY
BROWN COUNTY

SIGNAL NO.

CITY CONTACT: DAVE HANSEN
DESIGNED BY: AYRES ASSOCIATES INC
REVISED BY:

PAGE 1 OF 1

PROJECT NO: 4987-02-65	HWY: N. WEBSTER AVE.	COUNTY: BROWN	REMOVE TRAFFIC SIGNALS: UNIVERSITY AVE & WEBSTER AVE	SHEET	E

FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\024001 RP.DWG
LAYOUT NAME - 024201 SP
PLOT DATE : 11/1/2018 9:10 AM PLOT BY : HICKMAN, TRISTAN PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

LEGEND

- CONTROL CABINET (WITH GROUND SLEEVE)
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- SIGNAL HEAD, PEDESTAL MOUNT, TYPE 1 BASE (WITH BACKPLATE)
- (XX) SIGNAL POLE, MONOTUBE ARM, 40'-45', TYPE 4 BASE (WITH BACKPLATE)
- PEDESTRIAN HEAD WITH PUSH BUTTON, TYPE 1 POLE
- LUMINAIRE (15-FT ARM) ATTACHED TO TRAFFIC POLE
- VIDEO DETECTION AREA
- VIDEO DETECTION CAMERA (MOUNTED CENTER MASS ON LUMINAIRE ARM)
- PULL BOX FIBERGLASS, 24X36X36-INCH
- XX SIGNAL HEAD NUMBER
- PHX-X PEDESTRIAN SIGNAL HEAD NUMBER
- DON'T WALK INDICATOR 16" / WALK INDICATOR 16"
- X EVP DETECTOR NUMBER
- EVP DETECTOR HEAD (MOUNTED ON MONOTUBE ARM)
- LANE DESIGNATION FOR INFORMATION ONLY

MOUNTING CONFIGURATION WITH HEAD NUMBER PROPOSED SIGNAL FACES		
3-V	4-V	
R	R	PH2-1
Y	SY	PH2-2
G	FY	PH4-1
	G	PH4-2
		PH6-1
		PH6-2
3, 4, 5, 8, 9, 10, 13, 14, 15, 18, 19, 20	1, 2, 6, 7, 11, 12, 16, 17	PH8-1
		PH8-2

NOTE: ALL VEHICULAR SIGNAL LENSES ARE 12-INCHES LED

CONSTRUCTION NOTES

1. THE LOCATION OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS IN THE PROJECT AREA THAT ARE NOT SHOWN. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION.
2. THE ENGINEER MAY ADJUST THE LOCATIONS OF ITEMS UNDER THIS CONTRACT TO AVOID CONFLICTS WITH EXISTING UTILITY FACILITIES.
3. THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED FIVE DAYS PRIOR TO PLACING SIGNAL CABLE INTO THE SYSTEM. THE CITY OF GREEN BAY SHALL BE CONTACTED BEFORE WORK IS COMPLETE.
4. ONE CONDUIT RUN FROM PB1 TO PB2 AND FROM PB3 TO PB4 WILL HAVE A STREET LIGHT FEED POINT.
5. THE METER BREAKER PEDESTAL FOR THE SIGNALS IS LOCATED WITH THE STREET LIGHTING ESMBP.

TRAFFIC CONTROL SIGNAL
UNIVERSITY AVE & WEBSTER AVE
CITY OF GREEN BAY
BROWN COUNTY

CABINET TYPE: TS-2
SIGNAL NO. CONTROLLER TYPE: SIEMENS M60

CITY CONTACT: DAVE HANSEN
DESIGNED BY: AYRES ASSOCIATES INC
REVISED BY:

PAGE 1 OF 1

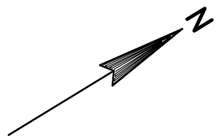
PROJECT NO: 4987-02-65	HWY: N. WEBSTER AVE.	COUNTY: BROWN	TRAFFIC SIGNAL PLAN: UNIVERSITY AVE & WEBSTER AVE	SHEET 80	E

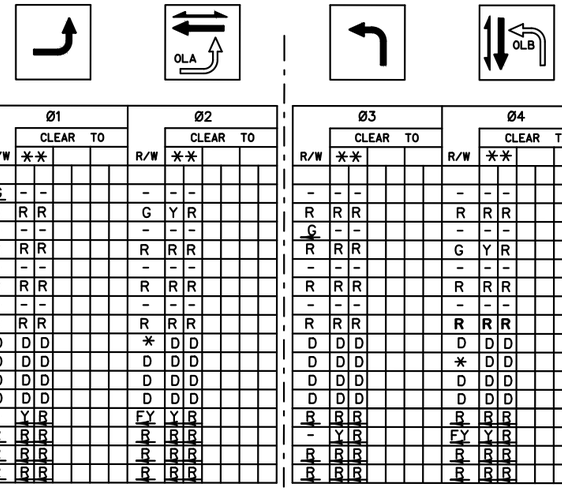
FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\024201 SP.DWG
LAYOUT NAME - 024201 SP

PLOT DATE : 11/1/2018 9:16 AM PLOT BY : HICKMAN, TRISTAN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

SEQUENCE OF OPERATION





RING 1		HEAD NUMBERS	Ø1 R/W	Ø1 CLEAR TO **	Ø2 R/W	Ø2 CLEAR TO **	Ø3 R/W	Ø3 CLEAR TO **	Ø4 R/W	Ø4 CLEAR TO **
	Ø1	6, 7	G	- -	-	- -	-	- -	-	- -
	Ø2	3, 4, 5	R	R R	G	Y R	R	R R	R	R R
	Ø3	16, 17	-	- -	-	- -	G	- -	-	- -
	Ø4	13, 14, 15	R	R R	R	R R	R	R R	G	Y R
	Ø5	1, 2	-	- -	-	- -	-	- -	-	- -
	Ø6	8, 9, 10	R	R R	R	R R	R	R R	R	R R
	Ø7	11, 12	-	- -	-	- -	-	- -	-	- -
	Ø8	18, 19, 20	R	R R	R	R R	R	R R	R	R R
	Ø2P	PH2-1, PH2-2	D	D D	*	D D	D	D D	D	D D
	Ø4P	PH4-1, PH4-2	D	D D	D	D D	D	D D	*	D D
	Ø6P	PH6-1, PH6-2	D	D D	D	D D	D	D D	D	D D
	Ø8P	PH8-1, PH8-2	D	D D	D	D D	D	D D	D	D D
	OLA	6, 7	-	Y R	FY	Y R	R	R R	R	R R
	OLB	16, 17	R	R R	R	R R	-	Y R	FY	Y R
	OLC	1, 2	R	R R	R	R R	R	R R	R	R R
	OLD	11, 12	R	R R	R	R R	R	R R	R	R R

RING 2		HEAD NUMBERS	Ø5 R/W	Ø5 CLEAR TO **	Ø6 R/W	Ø6 CLEAR TO **	Ø7 R/W	Ø7 CLEAR TO **	Ø8 R/W	Ø8 CLEAR TO **
	Ø1	6, 7	-	- -	-	- -	-	- -	-	- -
	Ø2	3, 4, 5	R	R R	R	R R	R	R R	R	R R
	Ø3	16, 17	-	- -	-	- -	-	- -	-	- -
	Ø4	13, 14, 15	R	R R	R	R R	R	R R	R	R R
	Ø5	1, 2	G	- -	-	- -	-	- -	-	- -
	Ø6	8, 9, 10	R	R R	G	Y R	R	R R	R	R R
	Ø7	11, 12	-	- -	-	- -	G	- -	-	- -
	Ø8	18, 19, 20	R	R R	R	R R	R	R R	G	Y R
	Ø2P	PH2-1, PH2-2	D	D D	D	D D	D	D D	D	D D
	Ø4P	PH4-1, PH4-2	D	D D	D	D D	D	D D	D	D D
	Ø6P	PH6-1, PH6-2	D	D D	*	D D	D	D D	D	D D
	Ø8P	PH8-1, PH8-2	D	D D	D	D D	D	D D	*	D D
	OLA	6, 7	R	R R	R	R R	R	R R	R	R R
	OLB	16, 17	R	R R	R	R R	R	R R	R	R R
	OLC	1, 2	-	Y R	FY	Y R	R	R R	R	R R
	OLD	11, 12	R	R R	R	R R	-	Y R	FY	Y R

BARRIER

FLASH: - R - R - R - R - R - - - - R R R R

* WHEN CALLED TIMED STEADY "WALK" FOLLOWED BY FLASHING "DON'T WALK", WITH PED COUNTDOWN TIMER ACTIVATED, THEN STEADY "DON'T WALK".

** CLEARANCE TO A PHASE IN CONFLICT WITH THIS PHASE ON (SEE CHART 1 BELOW)

CHART 1

PHASE ON	NONCONFLICTING PHASE ALLOWED TO TIME CONCURRENTLY	PHASES IN CONFLICT WITH PHASE ON
1	5 OR 6	2, 3, 4, 7, 8
2	5 OR 6	1, 3, 4, 7, 8
3	7 OR 8	1, 2, 4, 5, 6
4	7 OR 8	1, 2, 3, 5, 6
5	1 OR 2	3, 4, 6, 7, 8
6	1 OR 2	3, 4, 5, 7, 8
7	3 OR 4	1, 2, 5, 6, 8
8	3 OR 4	1, 2, 5, 6, 7

DETECTOR LOGIC

DETECTOR NUMBER	AMPLIFIER CHANNEL NUMBER	DETECTOR OPERATION: CALLS AND EXTENDS	DETECTOR OPERATION: CALLS ONLY	DETECTOR OPERATION: EXTENDS ONLY	PHASE CALLED	PHASE EXTENDED	DETECTOR DISCONNECT PHASE	CALLING DELAY	EXTENSION STRETCH	LOOP SIZE	NUMBER OF TURNS
11		X			1	1				VIDEO	
21		X			2	2				VIDEO	
22		X			2	2				VIDEO	
31		X			3	3				VIDEO	
41		X			4	4				VIDEO	
42		X			4	4				VIDEO	
51		X			5	5				VIDEO	
61		X			6	6				VIDEO	
62		X			6	6				VIDEO	
71		X			7	7				VIDEO	
81		X			8	8				VIDEO	
82		X			8	8				VIDEO	
B1		X			6	6				VIDEO	
B2		X			2	2				VIDEO	

CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1		6		X
2	X	6	MIN.	X
3		8		X
4		8		X
5		2		X
6	X	2	MIN.	X
7		4		X
8		4		X

SPECIAL OVERLAPS

	PROTECTED	PERMISSIVE
OL 'A'	1	2
OL 'B'	3	4
OL 'C'	5	6
OL 'D'	7	8

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

TYPE OF INTERCONNECT COMMUNICATION	
NONE	
FIBER OPTIC NETWORK	X
INTERSECTION ONLY (CELL MODEM)*	
*LOCATION OF CELL MODEM CONTROLLER NO: S-	
SIGNAL SYSTEM :	

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

EMERGENCY VEHICLE PREEMPTION ASSIGNMENT

EMERGENCY VEHICLE DETECTOR	A	B	C	D
PREEMPTION CHANNEL	3	4	5	6
MOVEMENT	←	→	↓	↑
DIRECTION	SB	NB	EB	WB
PHASES	2+5	6+1	4+7	8+3

NOTES:
FULL CLEARANCE AND MINIMUM GREEN INTERVALS SHALL ALWAYS BE PROVIDED.

GENERAL NOTES:

1. ANY ACTUATED PHASE WHICH THERE IS NO CALL SHALL BE SKIPPED.
2. WHEN ONE PHASE IS ON ALONE, ANY NONCONFLICTING PHASE MAY START TIMING CONCURRENTLY WITHOUT A CLEARANCE INTERVAL. (SEE CHART 1 AT LEFT).
3. WHEN PHASES 4 AND 8 ARE TIMING CONCURRENTLY, THEY SHALL TERMINATE TOGETHER DUE TO PERMISSIVE LEFT TURN CONFLICT.
4. VIDEO DETECTION LOCATIONS AND ZONE SIZES TO BE DETERMINED IN THE FIELD BY THE CITY OF GREEN BAY TRAFFIC DIVISION.

TRAFFIC CONTROL SIGNAL
UNIVERSITY AVE & WEBSTER AVE
CITY OF GREEN BAY
BROWN COUNTY
CABINET TYPE: TS-2
SIGNAL NO. CONTROLLER TYPE: SIEMENS M60
CITY CONTACT: DAVE HANSEN
DESIGNED BY: AYRES ASSOCIATES INC
REVISED BY:
PAGE 1 OF 1

PROJECT NO: 4987-02-65 | HWY: N. WEBSTER AVE. | COUNTY: BROWN | SEQUENCE OF OPERATIONS | SHEET 81 | E

FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\024201 SP.DWG PLOT DATE : 11/1/2018 9:16 AM PLOT BY : HICKMANT LAYOUT NAME: SEQUENCE OF OPS – GB PLOT SCALE : NTS

WISDOT/CADDS SHEET 42

PROJECT ID:	4987-02-65
INTERSECTION:	UNIVERSITY AVE & WEBSTER AVE

SIGNAL WIRE COLOR CODING	BLK - BLACK	RED - RED	GRN - GREEN
	WHT - WHITE	BLU - BLUE	ORG - ORANGE

QUADRANT	TCGS-1 TO	JUMPER	# OF COND.	HEAD NO.	PHASE	SIGNAL INDICATION WIRE COLOR												
						RED	YELLOW	GREEN	<RED>	<YELLOW> SOLID	<YELLOW> FLASHING	<GREEN>	D/WALK	WALK	PED BUTTON	NUETRAL	GROUND	PHOTOCELL
SE	SB1		21	7	6				RED/BLK	ORG/BLK	BLK/WHT	GRN/BLK				WHT/BLK		
				8	6	RED	ORG	GRN								WHT		
		8-9		9	6	RED	ORG	GRN								WHT		
			STREET LIGHT															BLK/RED BLU/RED
					GROUND												ORG/GRN	
SE	SB2		12	PH6-1	6-PED								BLK	BLU		WHT		
				6B	6-PED										RED ORG			
				PH8-2	8-PED								BLK/WHT	BLU/BLK		WHT/BLK		
				8B	8-PED										RED/BLK ORG/BLK			
					GROUND												GRN/BLK	
SE	SB3		21	11	7				RED/BLK	ORG/BLK	BLK/WHT	GRN/BLK						
				20	8	RED	ORG	GRN										
					GROUND												ORG/GRN	
SW	SB4		21	12	7				RED/BLK	ORG/BLK	BLK/WHT	GRN/BLK				WHT/BLK		
				13	4	RED	ORG	GRN								WHT		
		13-14		14	4	RED	ORG	GRN								WHT		
			STREET LIGHT															BLK/RED BLU/RED
					GROUND												ORG/GRN	
SW	SB5		15	PH4-1	4-PED								BLK	BLU		WHT		
				4B	4-PED										RED ORG			
				PH6-2	6-PED								BLK/WHT	BLU/BLK		WHT/BLK		
				6B	6-PED										RED/BLK ORG/BLK			
					GROUND												GRN/BLK	
SW	SB6		21	1	5				RED/BLK	ORG/BLK	BLK/WHT	GRN/BLK						
				10	6	RED	ORG	GRN										
					GROUND												ORG/GRN	
NW	SB7		21	2	5				RED/BLK	ORG/BLK	BLK/WHT	GRN/BLK						
				3	2	RED	ORG	GRN										
		3-4		4	2	RED	ORG	GRN										
			STREET LIGHT															BLK/RED BLU/RED
					GROUND												ORG/GRN	
NW	SB8		12	PH4-2	4-PED								BLK	BLU		WHT		
				4B	4-PED										RED ORG			
					GROUND												GRN/BLK	
NW	SB9		21	15	4	RED	ORG	GRN										
				16	3				RED/BLK	ORG/BLK	BLK/WHT	GRN/BLK						
				PH2-1	2-PED								BLK	BLU		WHT		
				2B	2-PED										RED ORG			
					GROUND												ORG/GRN	
NE	SB10		21	17	3				RED/BLK	ORG/BLK	BLK/WHT	GRN/BLK						
				18	8	RED	ORG	GRN										
		18-19		19	8	RED	ORG	GRN										
			STREET LIGHT															BLK/RED BLU/RED
					GROUND												ORG/GRN	
NE	SB11		15	PH2-2	2-PED								BLK	BLU		WHT		
				2B	2-PED										RED ORG			
				PH8-1	8-PED								BLK/WHT	BLU/BLK		WHT/BLK		
				8B	8-PED										RED/BLK ORG/BLK			
					GROUND												GRN/BLK	
NE	SB12		21	5	2	RED	ORG	GRN										
				6	1				RED/BLK	ORG/BLK	BLK/WHT	GRN/BLK						
					GROUND												ORG/GRN	

VEHICLE DETECTION CABLE	
FROM	TO
TCGS1	SB7
SB7	VDC1
TCGS1	SB10
SB10	VDC2
TCGS1	SB1
SB1	VDC3
TCGS1	SB4
SB4	VDC4

EQUIPMENT GROUNDING CONDUCTOR 10 AWG GREEN XLP	
FROM	TO
TCGS1	SB1
SB1	SB2
SB2	SB3
SB3	SB4
SB4	SB5
SB5	SB6
SB6	SB7
SB7	SB8
SB8	SB9
SB9	SB10
SB10	SB11
SB11	SB12
SB12	TCGS1

PULL BOX BONDING JUMPER 10 AWG GREEN XLP	
FROM	TO
PB1	TCGS1
PB1	SB2
PB2	SB5
PB3	SB7
PB4	SB12

EMERGENCY VEHICLE PREEMPTION CABLE	
FROM	TO
TCGS1	SB16
SB16	HEAD A
TCGS1	SB8
SB8	HEAD B
TCGS1	SB3
SB3	HEAD D
TCGS1	SB11
SB11	HEAD C

NOTES:
- ENSURE THE GROUNDED CONDUCTOR IN THE FEEDER CABLE AND THE POLE CABLES ARE BOTH 12" LONGER THAN THE UNGROUNDED CONDUCTORS.
- 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 CONTROL SIGNAL
UNIVERSITY AVE & WEBSTER AVE
CITY OF GREEN BAY
BROWN COUNTY

CABINET TYPE: TS-2
SIGNAL NO. CONTROLLER TYPE: SIEMENS M60

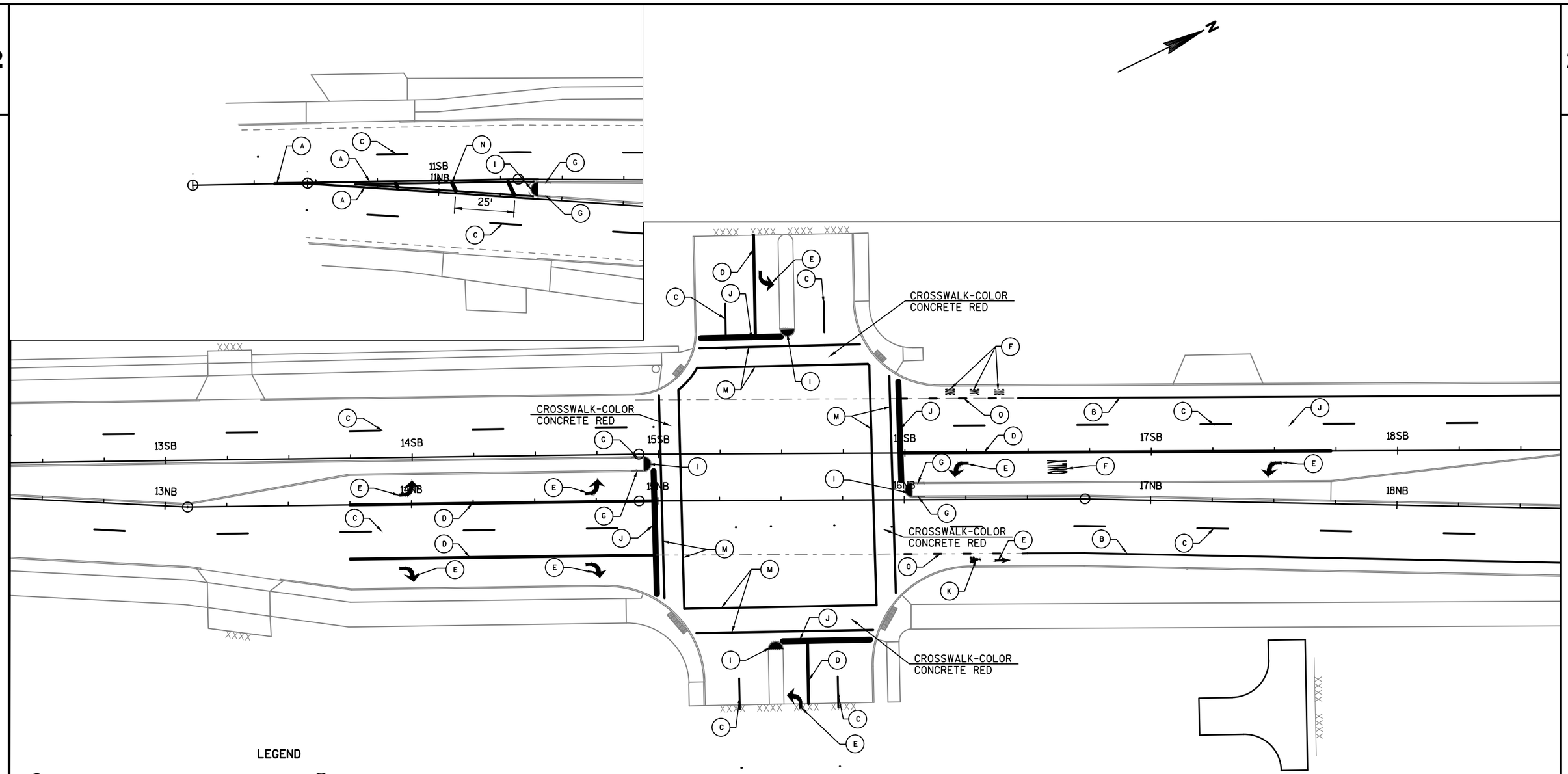
CITY CONTACT: DAVE HANSEN
DESIGNED BY: AYRES ASSOCIATES INC
REVISED BY:

PROJECT NO: 4987-02-65	HWY: N. WEBSTER AVE.	COUNTY: BROWN	CABLE ROUTING DIAGRAM	SHEET 82	E

FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\024201 SP.DWG PLOT DATE : 11/1/2018 9:16 AM PLOT BY : HICKMANT LAYOUT NAME: CABLE ROUTING DIAGRAM

WISDOT/CADDS SHEET 42

2



LEGEND

- (A) MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- (B) MARKING LINE EPOXY 4-INCH (WHITE)
- (C) MARKING LINE EPOXY 4-INCH (WHITE) 12.5' LINE 37.5' GAP
- (D) MARKING LINE EPOXY 8-INCH (WHITE)
- (E) MARKING ARROW EPOXY (WHITE) TYPE
- (F) MARKING WORD EPOXY (WHITE)
- (G) MARKING CURB EPOXY (YELLOW)
- (H) MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
- (I) MARKING ISLAND NOSE EPOXY (YELLOW)
- (J) MARKING STOP LINE EPOXY 18-INCH (WHITE)
- (K) MARKING SYMBOLS EPOXY (WHITE)
- (L) MARKING RAILROAD CROSSING EPOXY (WHITE)
- (M) MARKING CROSSWALK EPOXY TRANSVERSE LINE 12-INCH (WHITE)
- (N) MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
- (O) MARKING LINE EPOXY 4-INCH (WHITE) 3' LINE 9' GAP

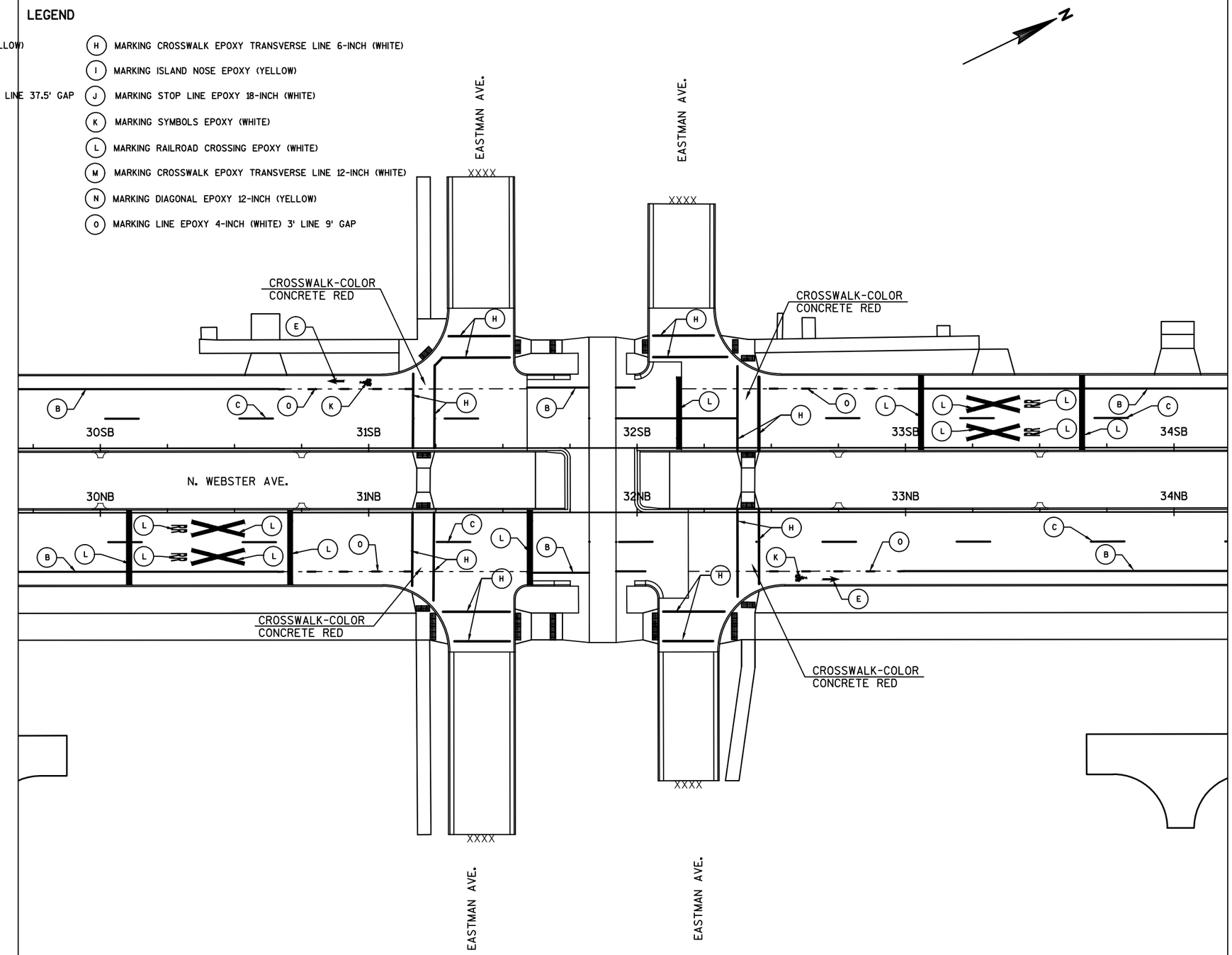
NOTE:
SEE STANDARD DETAIL DRAWING "BICYCLE LANE MARKING" FOR APPROPRIATE BICYCLE SYMBOL AND ARROW SPACING.

PROJECT NO: 4987-02-65	HWY: N. WEBSTER AVE.	COUNTY: BROWN	PAVEMENT MARKING-UNIVERSITY AVE. INTERSECTION	SHEET 83	E

FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\024501 PM.DWG
LAYOUT NAME - 024501 PM
PLOT DATE : 1/10/2019 8:30 AM PLOT BY : VERVILLE, PHILLIP PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

LEGEND

- (A) MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- (B) MARKING LINE EPOXY 4-INCH (WHITE)
- (C) MARKING LINE EPOXY 4-INCH (WHITE) 12.5' LINE 37.5' GAP
- (D) MARKING LINE EPOXY 8-INCH (WHITE)
- (E) MARKING ARROW EPOXY (WHITE) TYPE
- (F) MARKING WORD EPOXY (WHITE)
- (G) MARKING CURB EPOXY (YELLOW)
- (H) MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
- (I) MARKING ISLAND NOSE EPOXY (YELLOW)
- (J) MARKING STOP LINE EPOXY 18-INCH (WHITE)
- (K) MARKING SYMBOLS EPOXY (WHITE)
- (L) MARKING RAILROAD CROSSING EPOXY (WHITE)
- (M) MARKING CROSSWALK EPOXY TRANSVERSE LINE 12-INCH (WHITE)
- (N) MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
- (O) MARKING LINE EPOXY 4-INCH (WHITE) 3' LINE 9' GAP



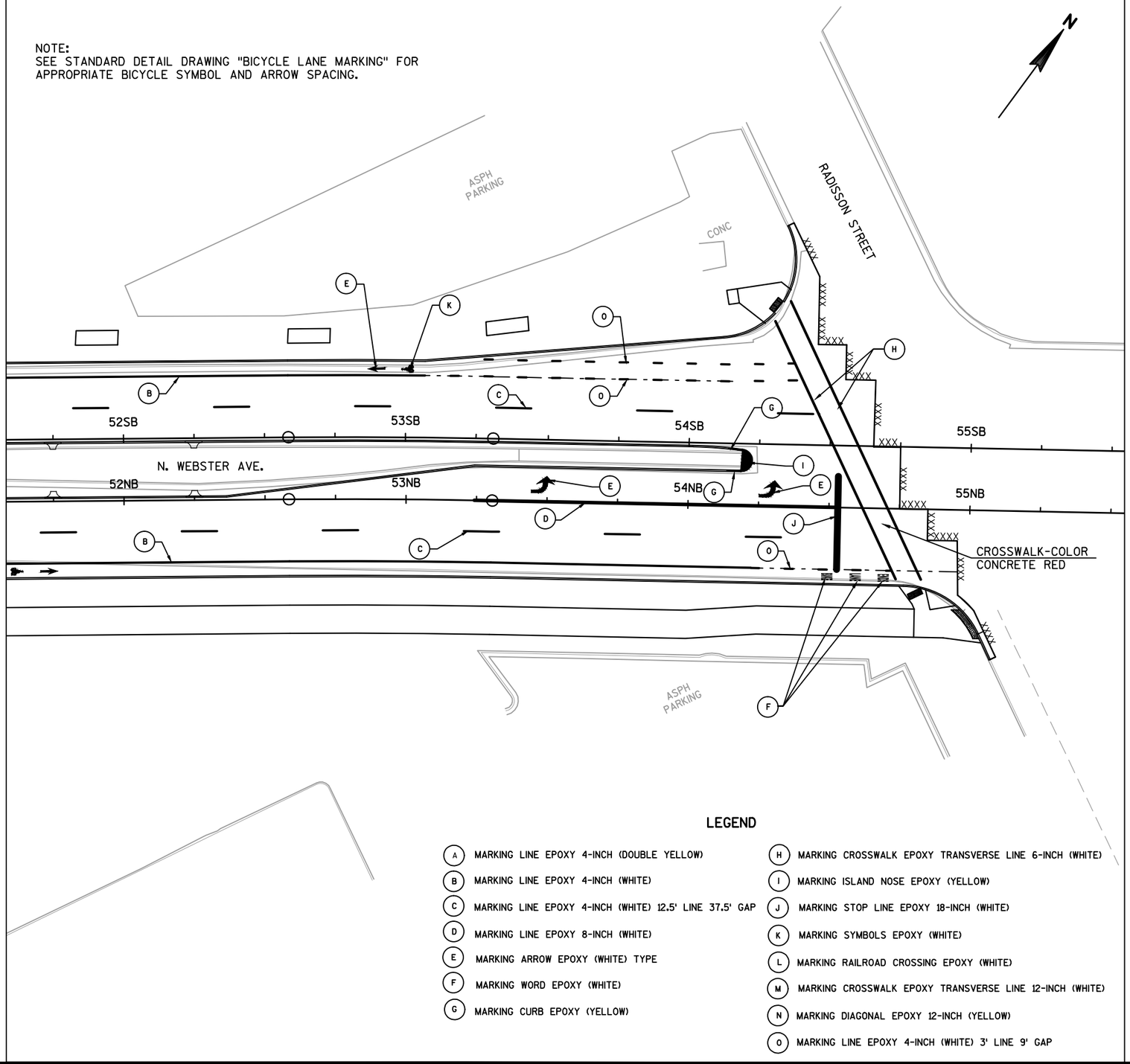
NOTE:
SEE STANDARD DETAIL DRAWING "BICYCLE LANE MARKING" FOR APPROPRIATE BICYCLE SYMBOL AND ARROW SPACING.

PROJECT NO: 4987-02-65	HWY: N. WEBSTER AVE.	COUNTY: BROWN	PAVEMENT MARKING-RAILROAD CROSSING	SHEET	E

FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\024502 PM.DWG
LAYOUT NAME - 024502 PM

PLOT DATE : 10/31/2018 6:39 PM PLOT BY : VERVILLE, PHILLIP PLOT NAME : PLOT SCALE : 1 IN:40 FT

NOTE:
SEE STANDARD DETAIL DRAWING "BICYCLE LANE MARKING" FOR APPROPRIATE BICYCLE SYMBOL AND ARROW SPACING.



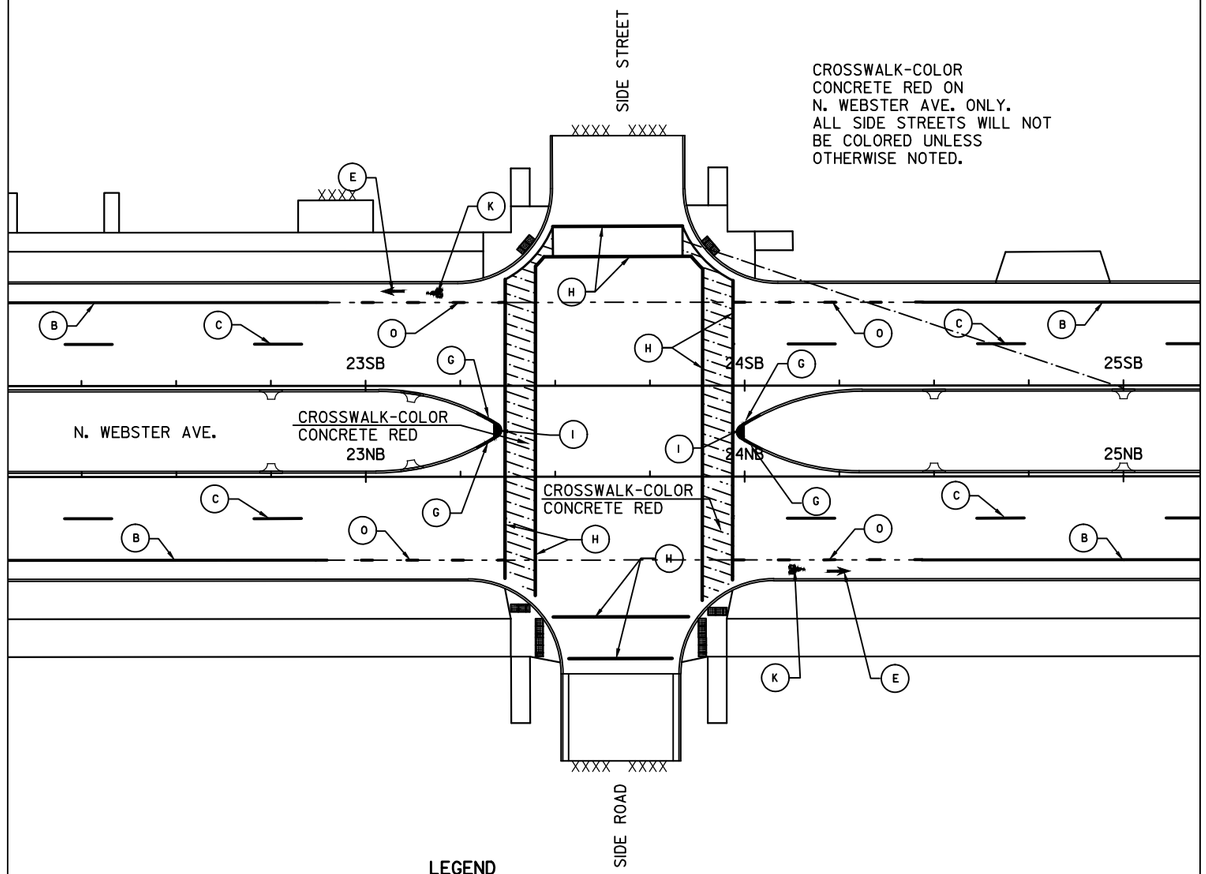
LEGEND

- (A) MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- (B) MARKING LINE EPOXY 4-INCH (WHITE)
- (C) MARKING LINE EPOXY 4-INCH (WHITE) 12.5' LINE 37.5' GAP
- (D) MARKING LINE EPOXY 8-INCH (WHITE)
- (E) MARKING ARROW EPOXY (WHITE) TYPE
- (F) MARKING WORD EPOXY (WHITE)
- (G) MARKING CURB EPOXY (YELLOW)
- (H) MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
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- (L) MARKING RAILROAD CROSSING EPOXY (WHITE)
- (M) MARKING CROSSWALK EPOXY TRANSVERSE LINE 12-INCH (WHITE)
- (N) MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
- (O) MARKING LINE EPOXY 4-INCH (WHITE) 3' LINE 9' GAP

PROJECT NO: 4987-02-65	HWY: N. WEBSTER AVE.	COUNTY: BROWN	PAVEMENT MARKING-RADISSON STREET	SHEET 85	E

2

AREA OF CROSSWALK TO BE COLORED RED AT SIDE STREETS



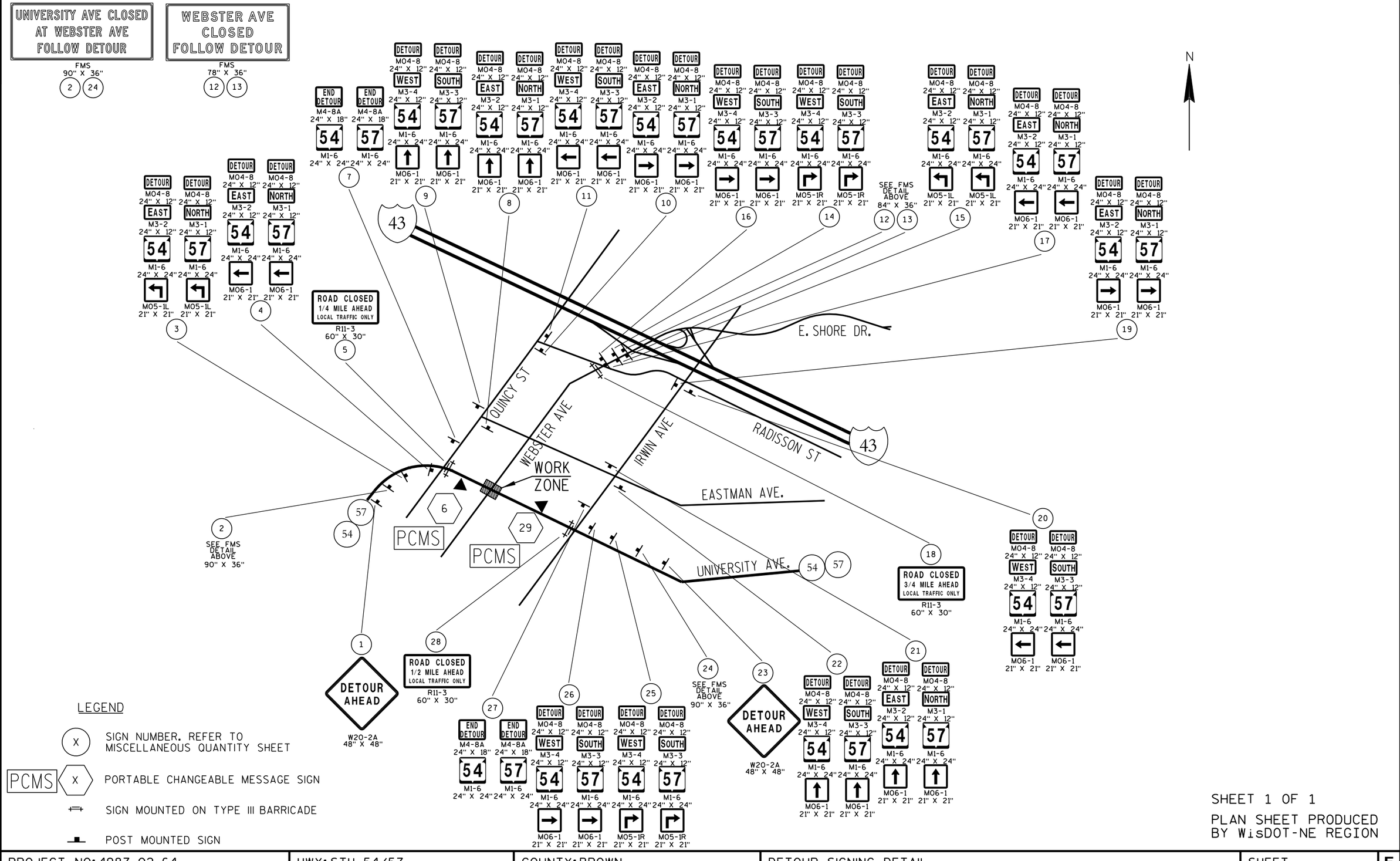
NOTE:
SEE STANDARD DETAIL DRAWING "BICYCLE LANE MARKING" FOR APPROPRIATE BICYCLE SYMBOL AND ARROW SPACING.

LEGEND

- (A) MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
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- (F) MARKING WORD EPOXY (WHITE)
- (G) MARKING CURB EPOXY (YELLOW)
- (H) MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
- (I) MARKING ISLAND NOSE EPOXY (YELLOW)
- (J) MARKING STOP LINE EPOXY 18-INCH (WHITE)
- (K) MARKING SYMBOLS EPOXY (WHITE)
- (L) MARKING RAILROAD CROSSING EPOXY (WHITE)
- (M) MARKING CROSSWALK EPOXY TRANSVERSE LINE 12-INCH (WHITE)
- (N) MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
- (O) MARKING LINE EPOXY 4-INCH (WHITE) 3' LINE 9' GAP

PROJECT NO: 4987-02-65	HWY: N. WEBSTER AVE.	COUNTY: BROWN	PAVEMENT MARKING-TYPICAL INTERSECTION	SHEET	E

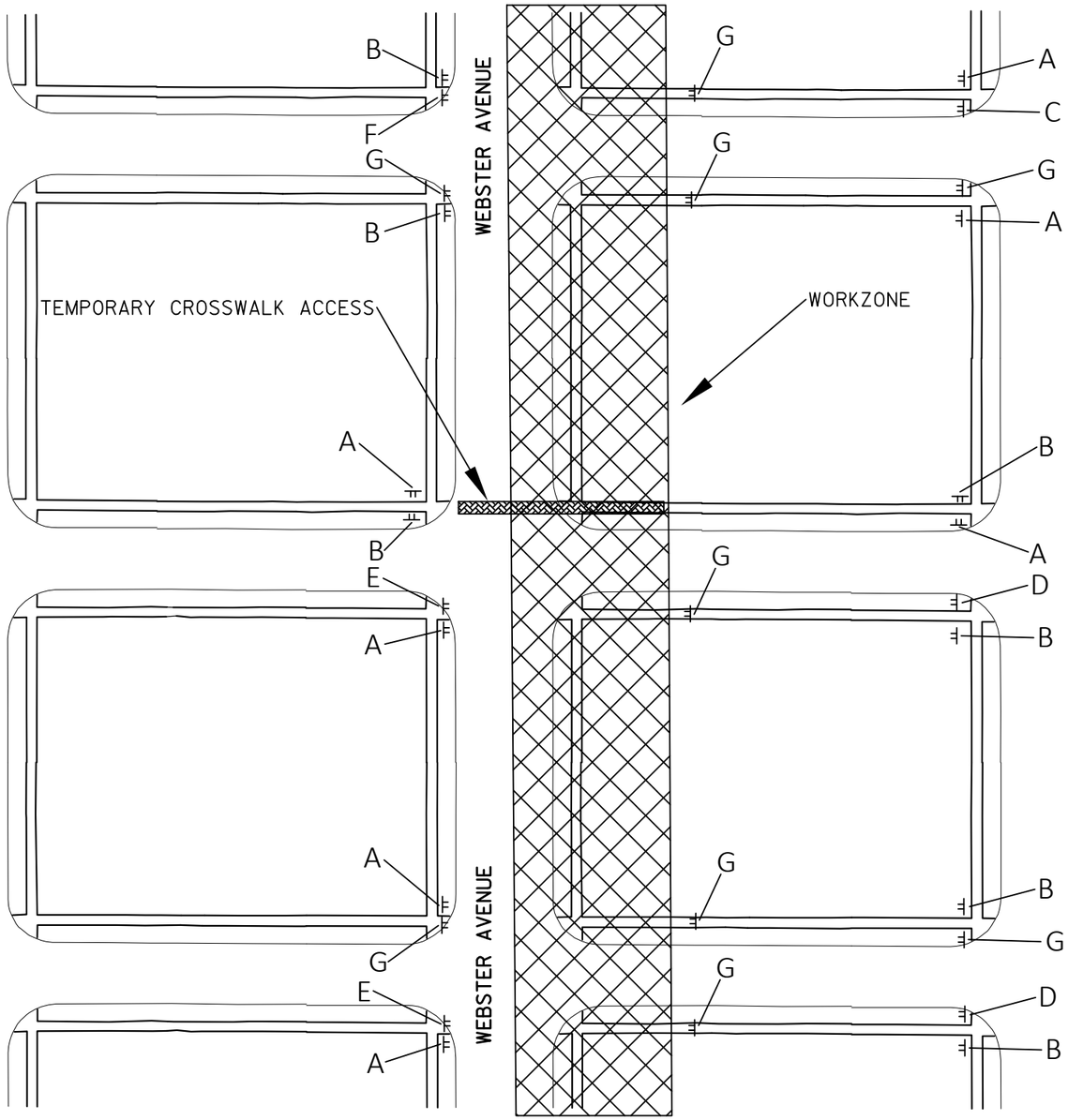
FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\024504 PM.DWG
LAYOUT NAME - 024504 PM
PLOT DATE : 10/31/2018 6:43 PM PLOT BY : VERVILLE, PHILLIP PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42



SHEET 1 OF 1

PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO: 4987-02-64	HWY: STH 54/57	COUNTY: BROWN	DETOUR SIGNING DETAIL	SHEET 87	E



TYPICAL SIGNING LAYOUT FOR PEDESTRIAN DETOURS - STAGE 1

A



M4-9BL
30"X24"

B



M4-9BR
30"X24"

C



R9-11
24"X12"

D



R9-11
24"X12"

E



R9-11A
24"X12"

F



R9-11A
24"X12"

G



R9-9
24"X12"

GENERAL NOTES

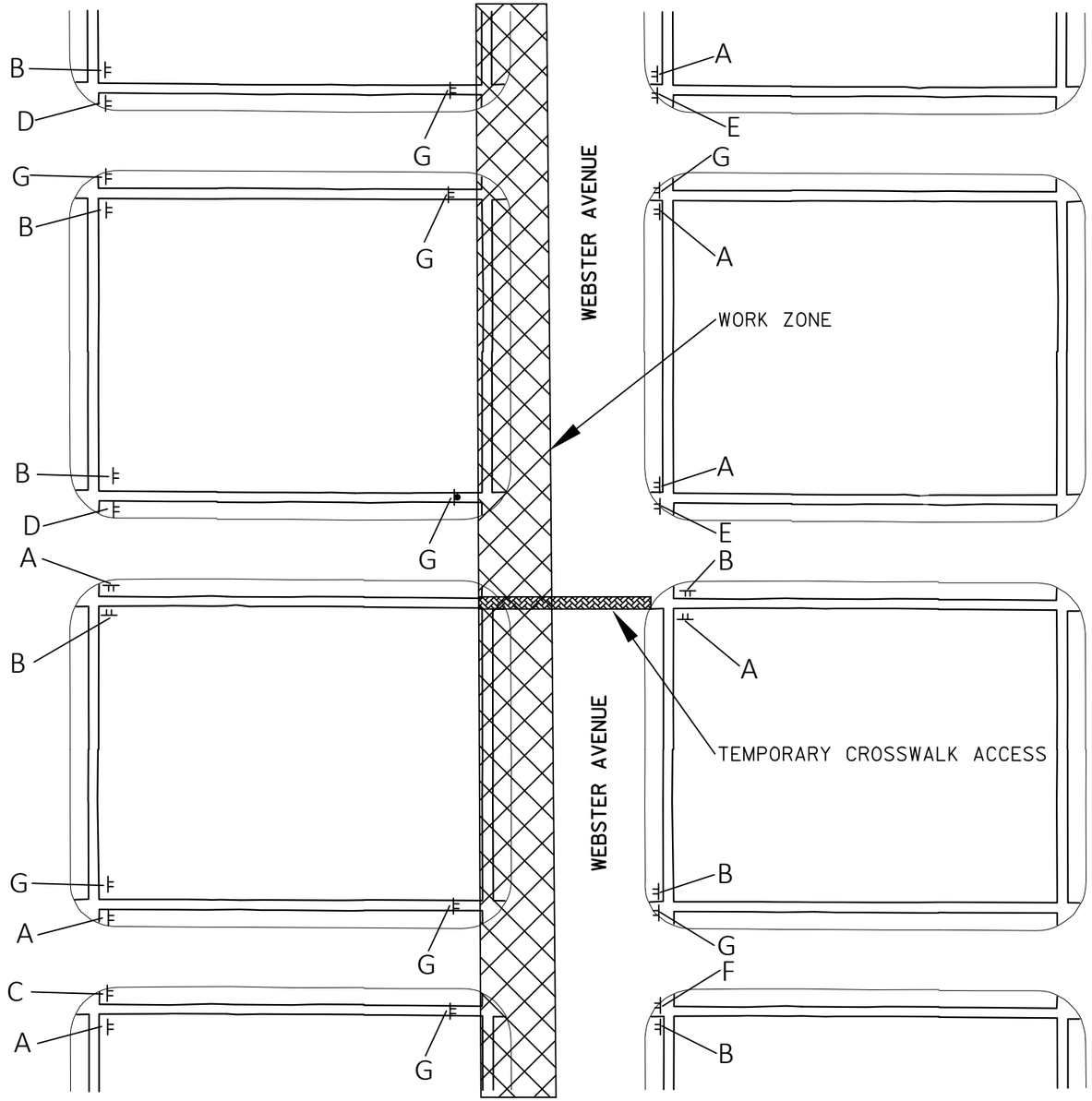
ADJUST SIGNING AS NECESSARY TO MEET FIELD CONDITIONS

PROVIDE HARD SURFACE CROSSING IN LOCATION AS NOTED IN SPECIAL PROVISIONS

STAGE WORK AREA TO MAINTAIN A HARD SURFACE AT ALL TIMES AT NOTED LOCATION.

TO ALLOW FOR CONSTRUCTION OF CURB RAMPS IN WORK ZONE, ALTERNATE HARD SURFACE CROSSING FROM ONE SIDE OF SIDEROAD TO OTHER SIDE.

PROJECT NO: 4987-02-65	HWY: N. WEBSTER AVE.	COUNTY: BROWN	CONSTRUCTION DETAILS - PEDESTRIAN DETOUR	SHEET 88	E



A



M4-9BL
30"X24"

B



M4-9BR
30"X24"

C



R9-11
24"X12"

D



R9-11
24"X12"

E



R9-11A
24"X12"

F



R9-11A
24"X12"

G



R9-9
24"X12"

GENERAL NOTES

ADJUST SIGNING AS NECESSARY TO MEET FIELD CONDITIONS

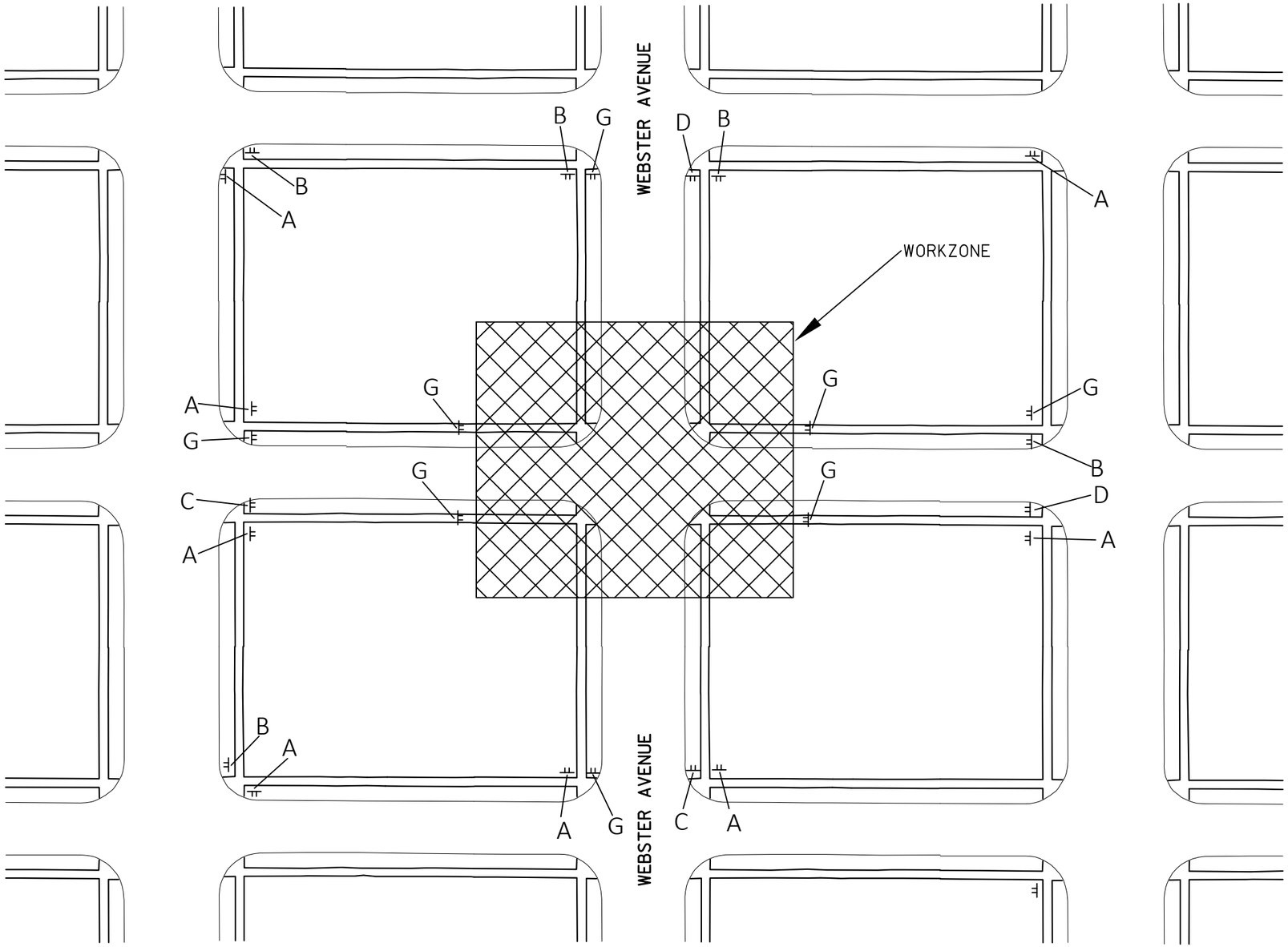
PROVIDE HARD SURFACE CROSSING IN LOCATION AS NOTED IN SPECIAL PROVISIONS

STAGE WORK AREA TO MAINTAIN A HARD SURFACE AT ALL TIMES AT NOTED LOCATION.

TO ALLOW FOR CONSTRUCTION OF CURB RAMPS IN WORK ZONE, ALTERNATE HARD SURFACE CROSSING FROM ONE SIDE OF SIDEROAD TO OTHER SIDE.

TYPICAL SIGNING LAYOUT FOR PEDESTRIAN DETOURS - STAGE 2

PROJECT NO: 4987-02-65	HWY: N. WEBSTER AVE.	COUNTY: BROWN	CONSTRUCTION DETAILS - PEDESTRIAN DETOUR	SHEET 89	E



A



M4-9BL
30"X24"

B



M4-9BR
30"X24"

C



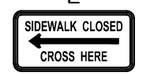
R9-11
24"X12"

D



R9-11
24"X12"

E



R9-11A
24"X12"

F



R9-11A
24"X12"

G



R9-9
24"X12"

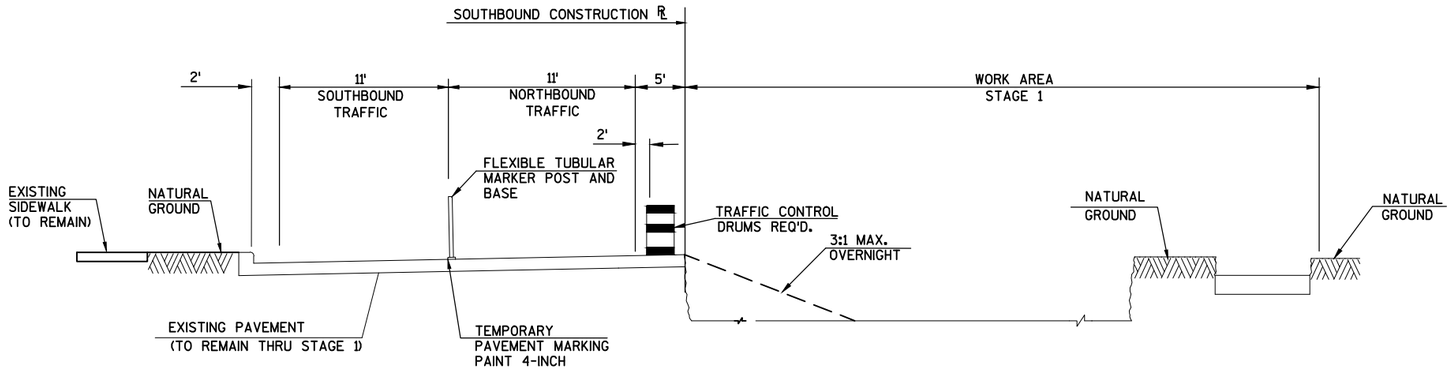
GENERAL NOTES

ADJUST SIGNING AS NECESSARY TO MEET FIELD CONDITIONS

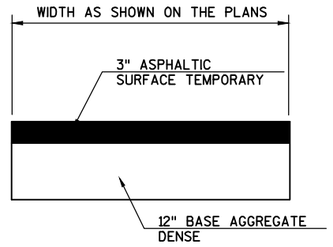
FOLLOW DETOUR ROUTE AS NOTED IN SPECIAL PROVISIONS

TYPICAL SIGNING LAYOUT FOR PEDESTRIAN DETOURS - STAGE 3

PROJECT NO: 4987-02-65	HWY: N. WEBSTER AVE.	COUNTY: BROWN	CONSTRUCTION DETAILS - PEDESTRIAN DETOUR	SHEET 90	E



STAGE 1 TRAFFIC CONTROL SECTION



TYPICAL SECTION FOR TEMPORARY PAVEMENT

GENERAL NOTES-STAGE 1

ALL TRAFFIC CONTROL DRUMS ARE TO BE PLACED AT 25 FOOT INTERVALS, UNLESS NOTED OTHERWISE ON THE PLANS.

ALL TEMPORARY TRAVEL LANES SHALL BE A MINIMUM OF 11 FEET WIDE.

FLAGS SHALL BE INCIDENTAL TO THE SIGN THEY ARE PLACED ON.

SEE SPECIAL PROVISIONS FOR ADDITIONAL TRAFFIC/STAGING REQUIREMENTS.

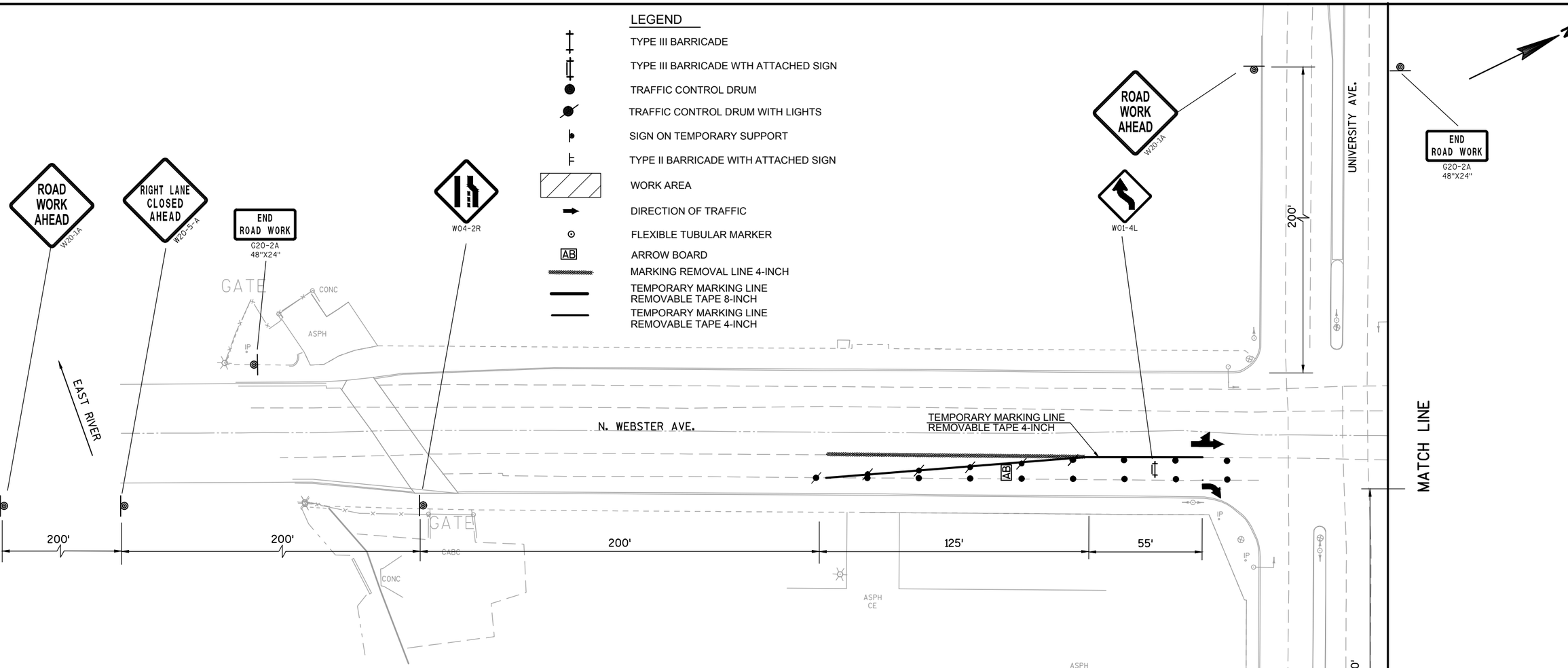
PAVEMENT MARKING WHICH MAY CONFLICT WITH TRAFFIC CONTROL "IN-USE" SHALL BE REMOVED AS DIRECTED BY THE ENGINEER.

TYPE A FLASHING WARNING LIGHTS SHALL BE USED ON ALL TYPE III BARRICADES.

RAMP DROP OFF FOR EXCAVATION AREA TO BE A MAXIMUM SLOPE OF 3:1 OVERNIGHT OR WHEN CONSTRUCTION ACTIVITIES ARE NOT TAKING PLACE.

PLACE W06-3 SIGN IN EACH DIRECTION AFTER EVERY INTERSECTION.

PLACE TEMPORARY STOP SIGNS ON EAST SIDE OF NON-SIGNALIZED INTERSECTIONS WHERE N. WEBSTER AVENUE IS BEING WIDENED.



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 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 SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

"WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

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.

CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

PLACE THE ARROWBOARD AS CLOSE AS POSSIBLE TO THE BEGINNING OF THE LANE CLOSURE TAPER, PREFERABLY ON THE SHOULDER OR TERRACE.

IN THE SHIFTING TAPER A MINIMUM WIDTH OF 13-FOOT FACE OF BARREL TO FACE OF BARREL REQUIRED. MARK AN 11-FOOT TRAVEL WAY WITH TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH. (WHITE ON RIGHT, YELLOW ON LEFT).

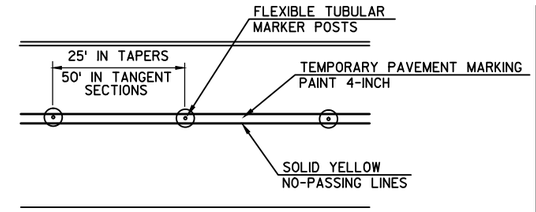
PROJECT NO: 4987-02-65	HWY: N. WEBSTER AVE.	COUNTY: BROWN	STAGE CONSTRUCTION-STAGE 1B	SHEET	E

FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\026002 S1.DWG
LAYOUT NAME - 026002 S1

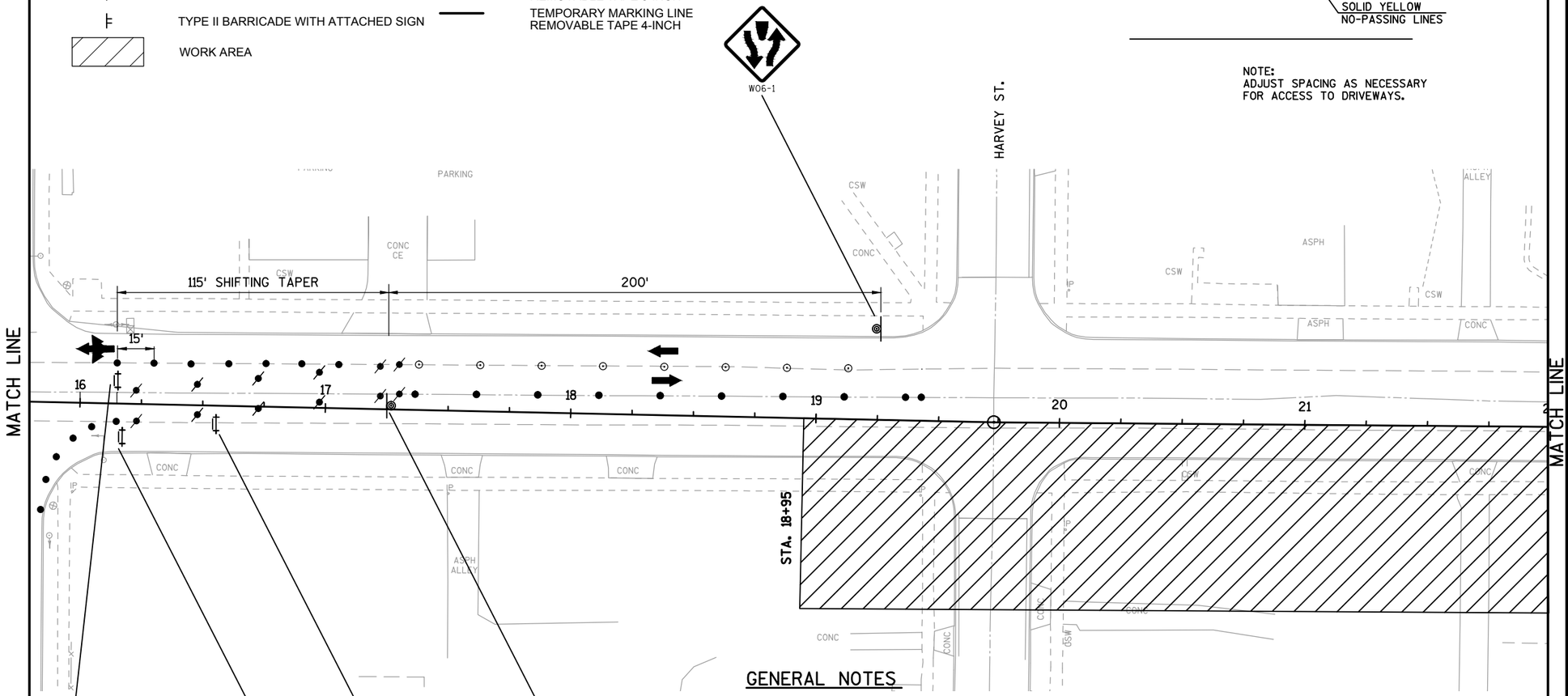
PLOT DATE : 11/1/2018 2:27 PM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : 1 IN:50 FT

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHTS
- SIGN ON TEMPORARY SUPPORT
- TYPE II BARRICADE WITH ATTACHED SIGN
- WORK AREA
- DIRECTION OF TRAFFIC
- FLEXIBLE TUBULAR MARKER
- ARROW BOARD (AB)
- MARKING REMOVAL LINE 4-INCH
- TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH
- TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH



NOTE:
ADJUST SPACING AS NECESSARY FOR ACCESS TO DRIVEWAYS.



NOTE:
ADJUST DRUM AND FLEXIBLE TUBULAR MARKER POST SPACING AS NECESSARY TO MAINTAIN ACCESS TO DRIVEWAYS.

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 APPROVED BY THE ENGINEER.

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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.

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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.

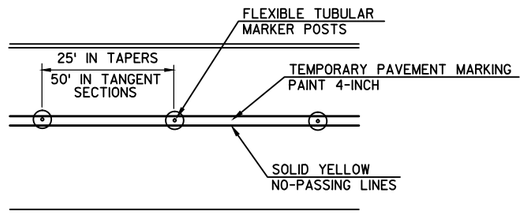
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PLACE THE ARROWBOARD AS CLOSE AS POSSIBLE TO THE BEGINNING OF THE LANE CLOSURE TAPER, PREFERABLY ON THE SHOULDER OR TERRACE.

IN THE SHIFTING TAPER A MINIMUM WIDTH OF 13-FOOT FACE OF BARREL TO FACE OF BARREL REQUIRED. MARK AN 11-FOOT TRAVEL WAY WITH TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH. (WHITE ON RIGHT, YELLOW ON LEFT).

PROJECT NO: 4987-02-65	HWY: N. WEBSTER AVE.	COUNTY: BROWN	STAGE CONSTRUCTION-STAGE 1B	SHEET E

FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\026003 S1.DWG
LAYOUT NAME - 026003 S1
PLOT DATE : 11/1/2018 2:28 PM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : 1 IN:50 FT



NOTE:
ADJUST SPACING AS NECESSARY FOR ACCESS TO DRIVEWAYS.

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHTS
- SIGN ON TEMPORARY SUPPORT
- TYPE II BARRICADE WITH ATTACHED SIGN
- WORK AREA
- DIRECTION OF TRAFFIC
- FLEXIBLE TUBULAR MARKER
- AB ARROW BOARD
- MARKING REMOVAL LINE 4-INCH
- TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH
- TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH
- TEMPORARY PAVEMENT

W10-1 36"X36"
NO TRAIN HORN
W10-9P 24"X18"
R3-2 24"X24"
STOP HERE WHEN FLASHING
R8-10 24"X36"

EASTMAN ST. (SOUTH) 9EME
EASTMAN ST. (NORTH) 9EMW
8RR 9RR
CP 111
CP 112
CP 113
CP 114
BM 217
CONC CSW ASPH WALL CABC ASPH ALLEY

TEMPORARY MARKING STOPLINE PAINT 24-INCH

N. WEBSTER AVE. SB
29SB 30SB 31SB 32SB 33SB 34SB 35SB
25' TYP.
N. WEBSTER AVE. NB
29NB 30NB 31NB 32NB 33NB 34NB 35NB
10EME 10RR 10EMW
11EME 11RR 11EMW
TEMPORARY CONNECTION UNDER CONSTRUCTION
TEMPORARY COVER PLATE REQ'D.
CONSTRUCT TEMPORARY ROADWAY TO STA. 11+50
WISCONSIN CENTRAL LTD

BEGIN TEMPORARY CONNECTION STA. 10+00
END NORTHBOUND ROADWAY CONSTRUCTION STA. 29+90
BEGIN NORTHBOUND ROADWAY CONSTRUCTION STA. 33+84
END TEMPORARY CONNECTION STA. 14+00

ROAD CLOSED R11-2 48"X30"

GENERAL NOTES

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PLACE THE ARROWBOARD AS CLOSE AS POSSIBLE TO THE BEGINNING OF THE LANE CLOSURE TAPER, PREFERABLY ON THE SHOULDER OR TERRACE.

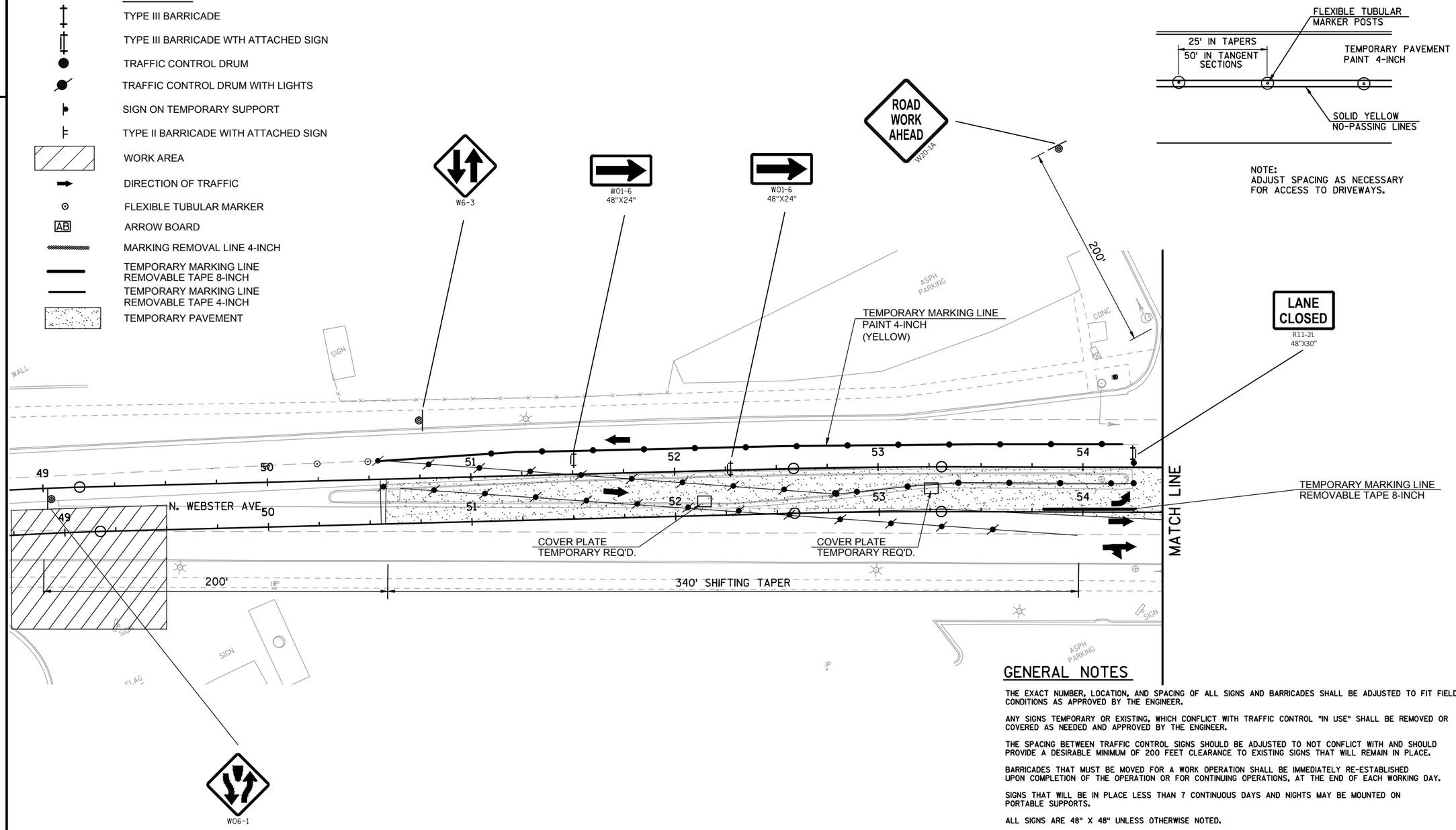
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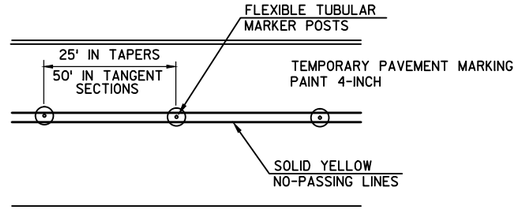
PROJECT NO: 4987-02-65	HWY: N. WEBSTER AVE.	COUNTY: BROWN	STAGE CONSTRUCTION-STAGE 1B	SHEET E

FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\026004 S1.DWG
LAYOUT NAME - 026004 S1
PLOT DATE : 11/1/2018 2:30 PM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : 1 IN:40 FT

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHTS
- SIGN ON TEMPORARY SUPPORT
- TYPE II BARRICADE WITH ATTACHED SIGN
- WORK AREA
- DIRECTION OF TRAFFIC
- FLEXIBLE TUBULAR MARKER
- AB ARROW BOARD
- MARKING REMOVAL LINE 4-INCH
- TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH
- TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH
- TEMPORARY PAVEMENT





NOTE:
ADJUST SPACING AS NECESSARY
FOR ACCESS TO DRIVEWAYS.

GENERAL NOTES

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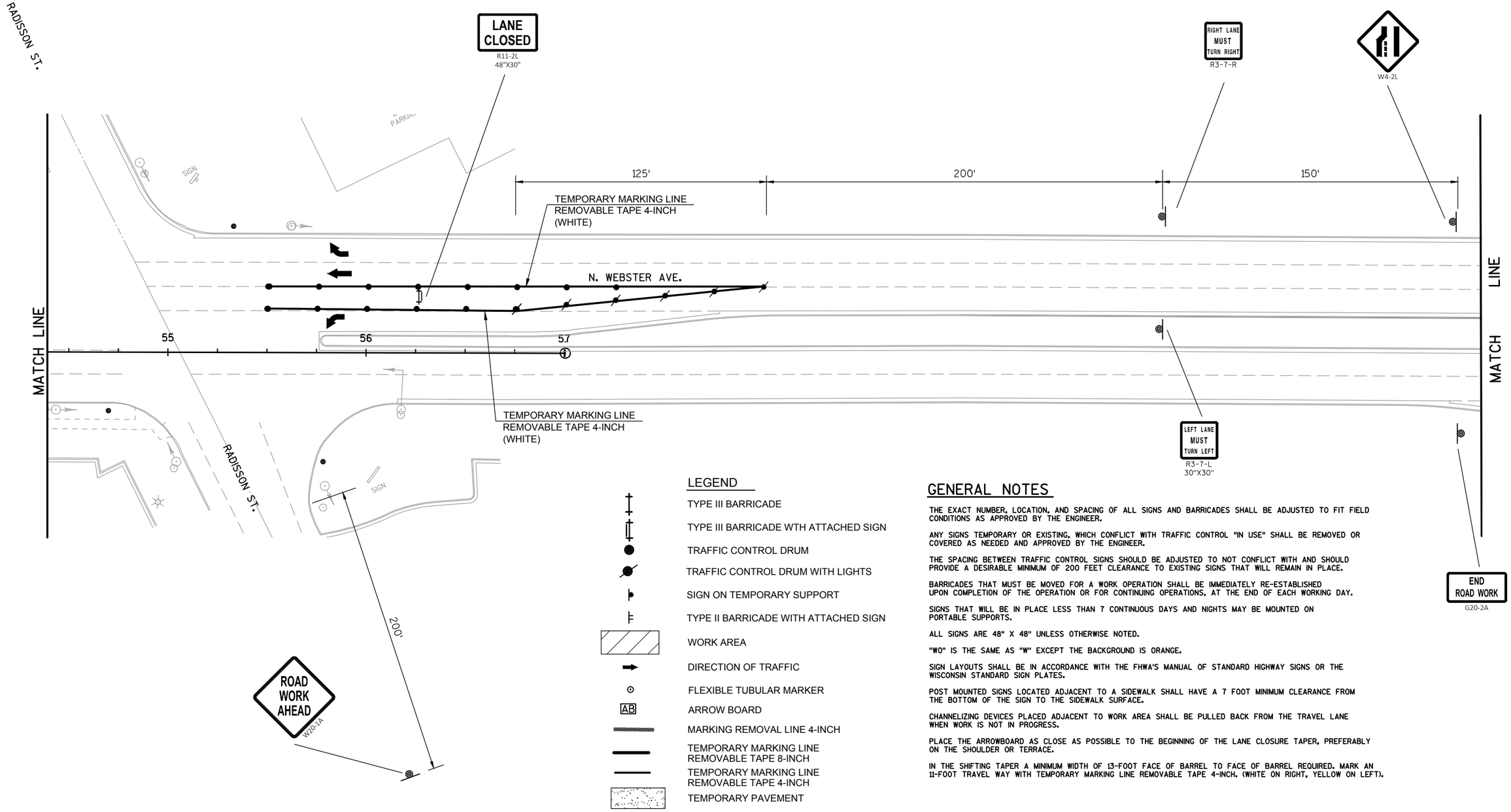
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2



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHTS
- SIGN ON TEMPORARY SUPPORT
- TYPE II BARRICADE WITH ATTACHED SIGN
- WORK AREA
- DIRECTION OF TRAFFIC
- FLEXIBLE TUBULAR MARKER
- AB — ARROW BOARD
- MARKING REMOVAL LINE 4-INCH
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GENERAL NOTES

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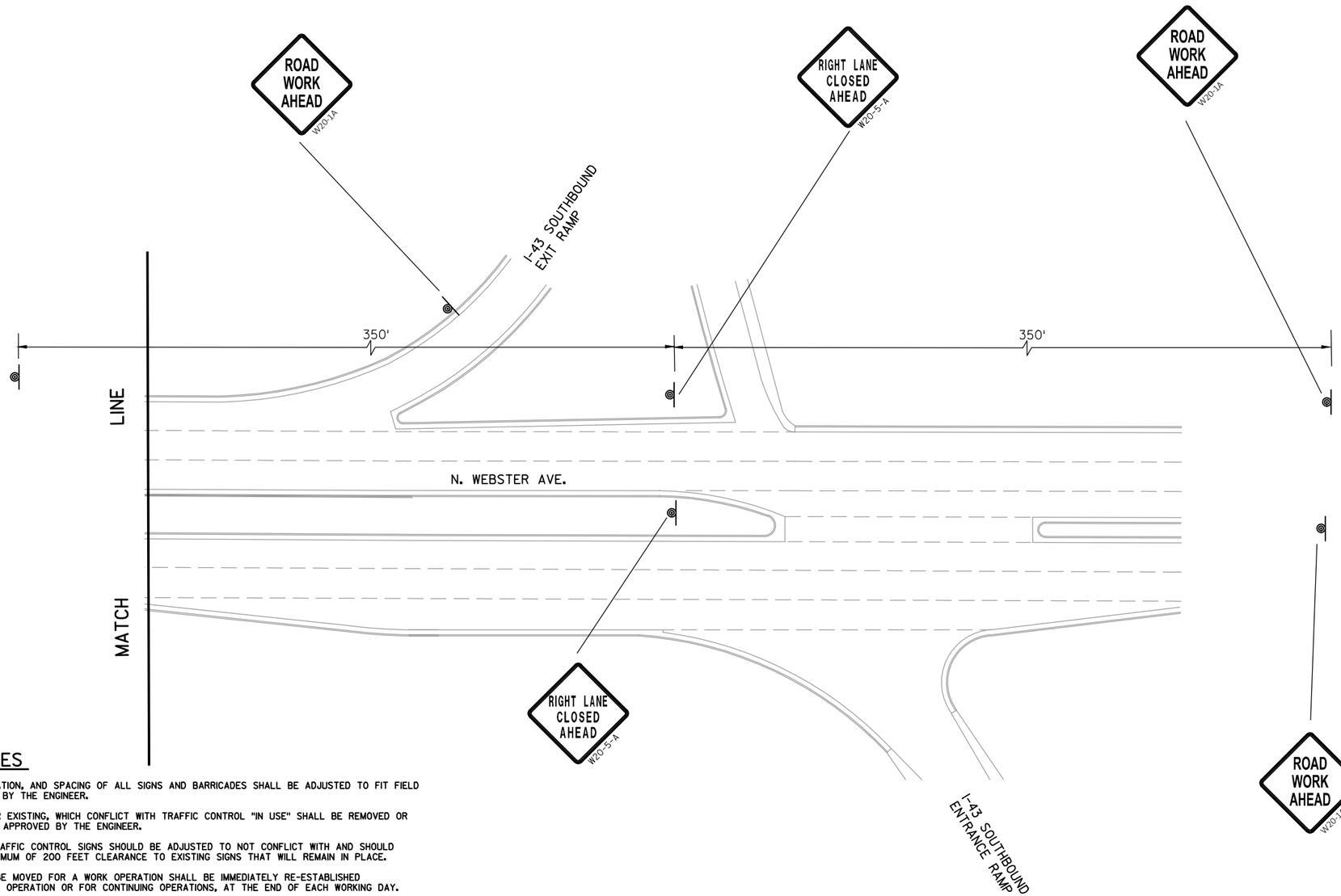
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PROJECT NO: 4987-02-65	HWY: N. WEBSTER AVE.	COUNTY: BROWN	STAGE CONSTRUCTION-STAGE 1A AND 1B	SHEET 96	E

FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\026006 S1.DWG
LAYOUT NAME - 026006 S1
PLOT DATE : 11/1/2018 2:32 PM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE :
WISDOT/CADDS SHEET 42

2



GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

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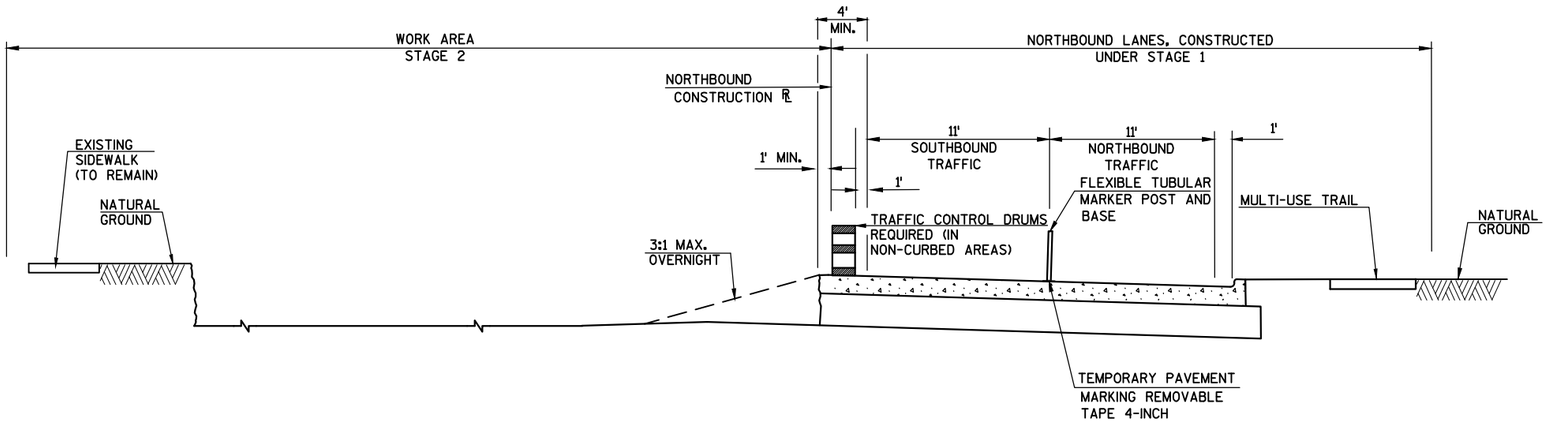
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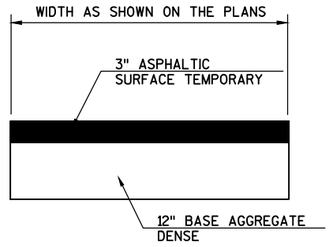
LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHTS
- SIGN ON TEMPORARY SUPPORT
- TYPE II BARRICADE WITH ATTACHED SIGN
- WORK AREA
- DIRECTION OF TRAFFIC
- FLEXIBLE TUBULAR MARKER
- AB — ARROW BOARD
- MARKING REMOVAL LINE 4-INCH
- TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH
- TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH
- TEMPORARY PAVEMENT

PROJECT NO: 4987-02-65	HWY: N. WEBSTER AVE.	COUNTY: BROWN	STAGE CONSTRUCTION-STAGE 1A AND 1B	SHEET 97	E



STAGE 2 TRAFFIC CONTROL SECTION



TYPICAL SECTION FOR TEMPORARY PAVEMENT

GENERAL NOTES-STAGE 2

ALL TRAFFIC CONTROL DRUMS ARE TO BE PLACED AT 25 FOOT INTERVALS, UNLESS NOTED OTHERWISE ON THE PLANS.

ALL TEMPORARY TRAVEL LANES SHALL BE A MINIMUM OF 11 FEET WIDE.

FLAGS SHALL BE INCIDENTAL TO THE SIGN THEY ARE PLACED ON.

SEE SPECIAL PROVISIONS FOR ADDITIONAL TRAFFIC/STAGING REQUIREMENTS.

PAVEMENT MARKING WHICH MAY CONFLICT WITH TRAFFIC CONTROL "IN-USE" SHALL BE REMOVED AS DIRECTED BY THE ENGINEER.

TYPE A FLASHING WARNING LIGHTS SHALL BE USED ON ALL TYPE III BARRICADES.

RAMP DROP OFF FOR EXCAVATION AREA TO BE A MAXIMUM SLOPE OF 3:1 OVERNIGHT OR WHEN CONSTRUCTION ACTIVITIES ARE NOT TAKING PLACE.

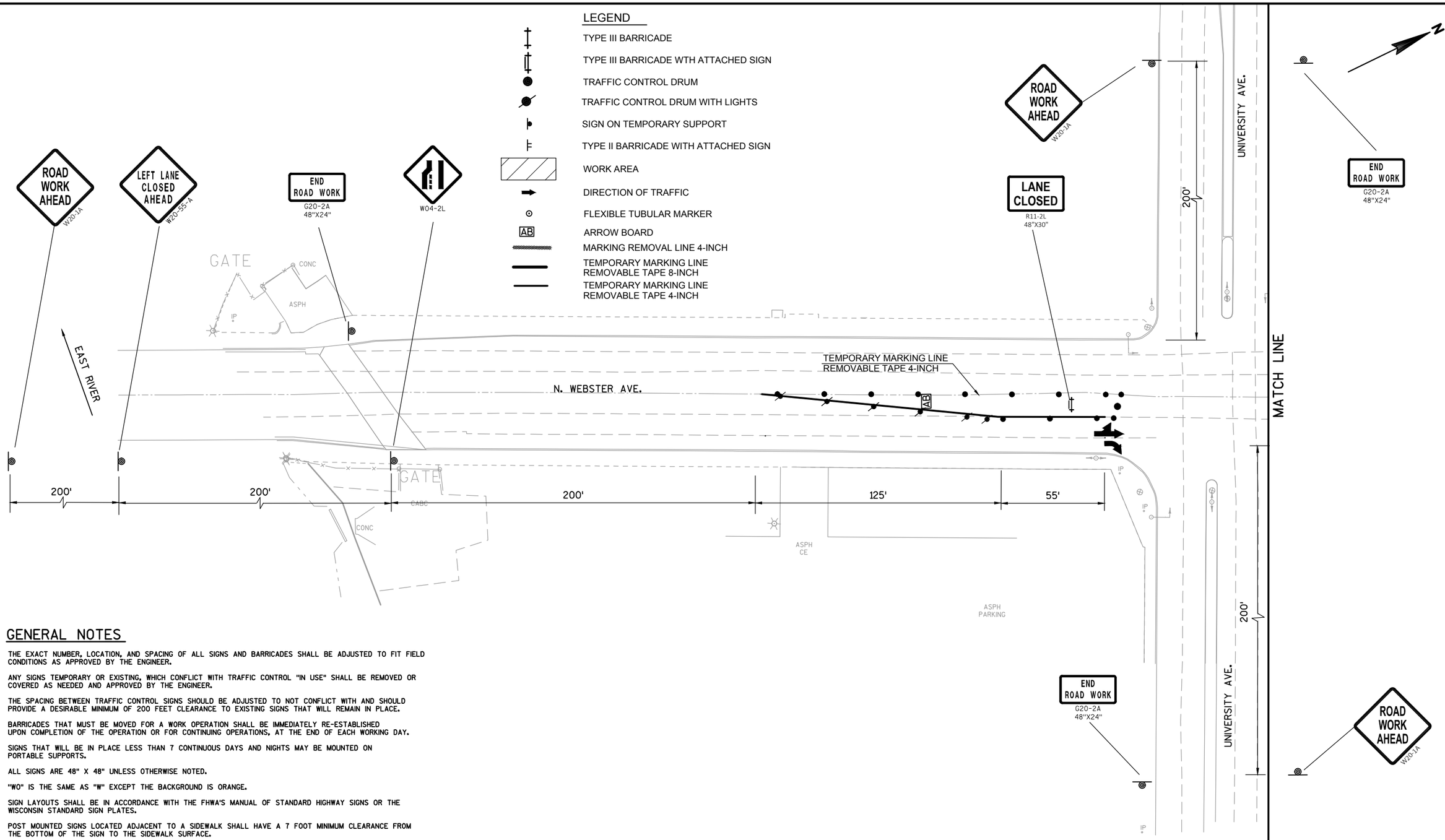
PLACE W06-3 SIGN IN EACH DIRECTION AFTER EVERY INTERSECTION.

PLACE TEMPORARY STOP SIGNS ON EAST SIDE OF NON-SIGNALIZED INTERSECTIONS WHERE N. WEBSTER AVENUE IS BEING WIDENED.

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHTS
- SIGN ON TEMPORARY SUPPORT
- TYPE II BARRICADE WITH ATTACHED SIGN
- WORK AREA
- DIRECTION OF TRAFFIC
- FLEXIBLE TUBULAR MARKER
- AB ARROW BOARD
- MARKING REMOVAL LINE 4-INCH
- TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH
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THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

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 SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

"WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

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.

CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

PLACE THE ARROWBOARD AS CLOSE AS POSSIBLE TO THE BEGINNING OF THE LANE CLOSURE TAPER, PREFERABLY ON THE SHOULDER OR TERRACE.

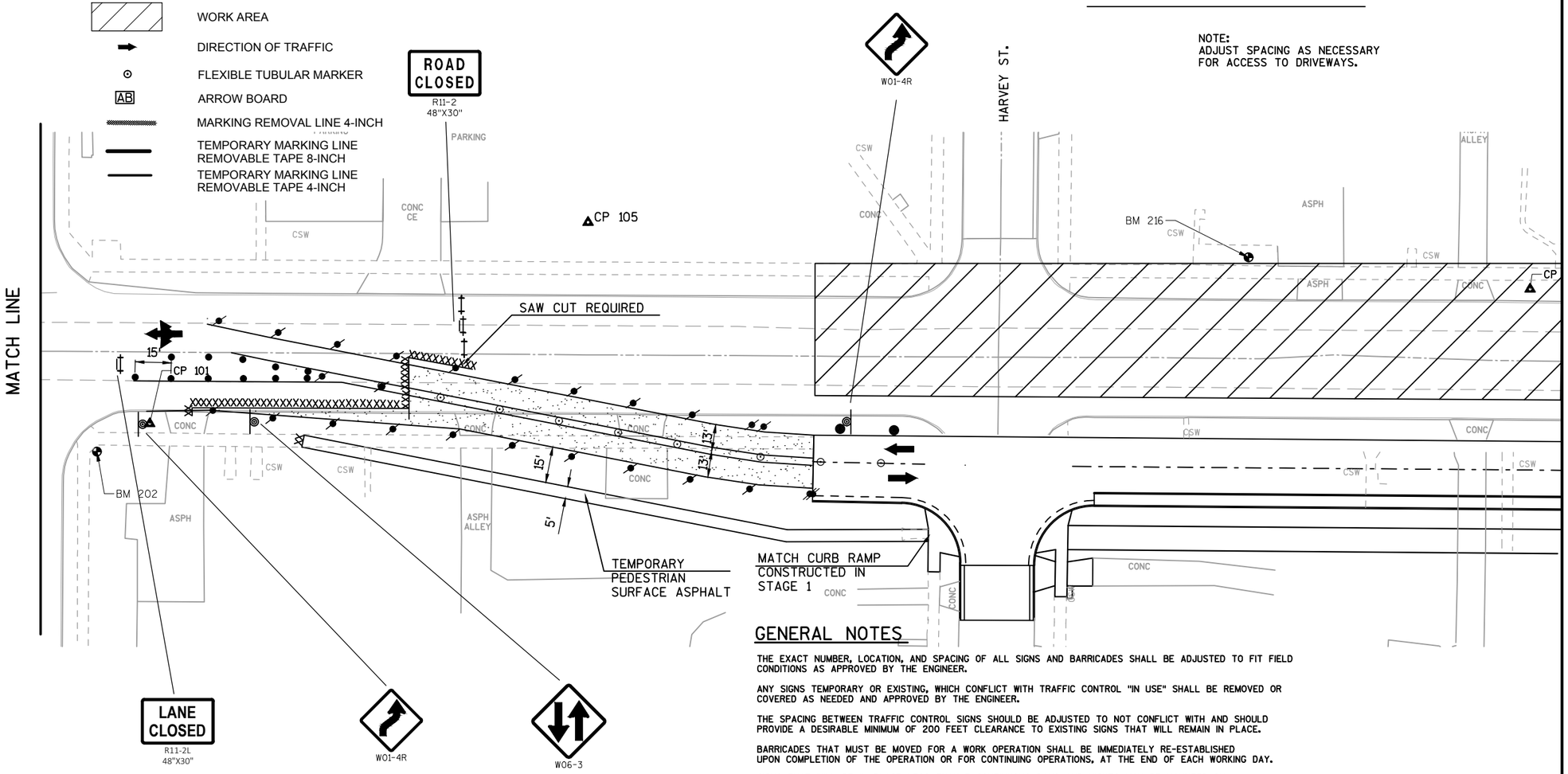
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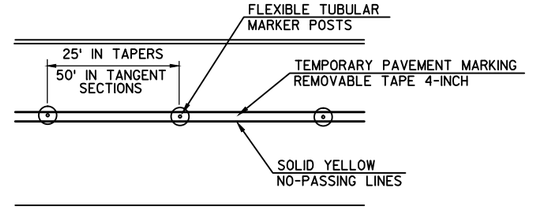
PROJECT NO: 4987-02-65	HWY: N. WEBSTER AVE.	COUNTY: BROWN	STAGE CONSTRUCTION-STAGE 2	SHEET 99	E

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHTS
- SIGN ON TEMPORARY SUPPORT
- TYPE II BARRICADE WITH ATTACHED SIGN
- WORK AREA
- DIRECTION OF TRAFFIC
- FLEXIBLE TUBULAR MARKER
- AB ARROW BOARD
- MARKING REMOVAL LINE 4-INCH
- TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH
- TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH





NOTE:
ADJUST SPACING AS NECESSARY FOR ACCESS TO DRIVEWAYS.

NOTE:
ADJUST DRUMS AND FLEXIBLE TUBULAR MARKER POST SPACING AS NECESSARY TO MAINTAIN ACCESS TO DRIVEWAYS.

GENERAL NOTES

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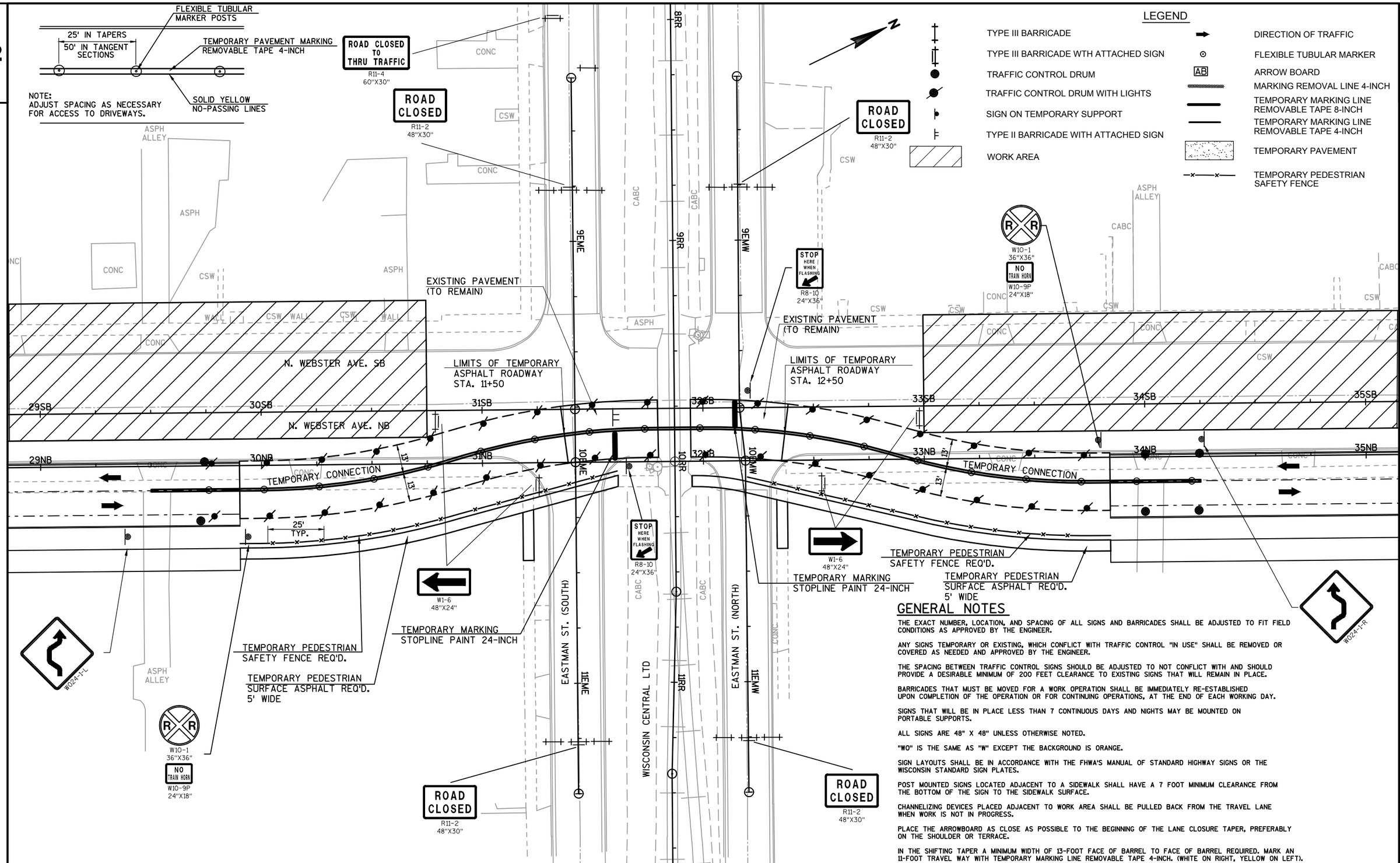
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PROJECT NO: 4987-02-65	HWY: N. WEBSTER AVE.	COUNTY: BROWN	TRAFFIC CONTROL-STAGE 2	SHEET E

FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\026010 S2.DWG
LAYOUT NAME - 026010 S2
PLOT DATE : 11/1/2018 2:35 PM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHTS
- SIGN ON TEMPORARY SUPPORT
- TYPE II BARRICADE WITH ATTACHED SIGN
- WORK AREA
- DIRECTION OF TRAFFIC
- FLEXIBLE TUBULAR MARKER
- ARROW BOARD
- MARKING REMOVAL LINE 4-INCH
- TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH
- TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH
- TEMPORARY PAVEMENT
- TEMPORARY PEDESTRIAN SAFETY FENCE

GENERAL NOTES

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PROJECT NO: 4987-02-65	HWY: N. WEBSTER AVE.	COUNTY: BROWN	STAGE CONSTRUCTION-STAGE 2	SHEET E

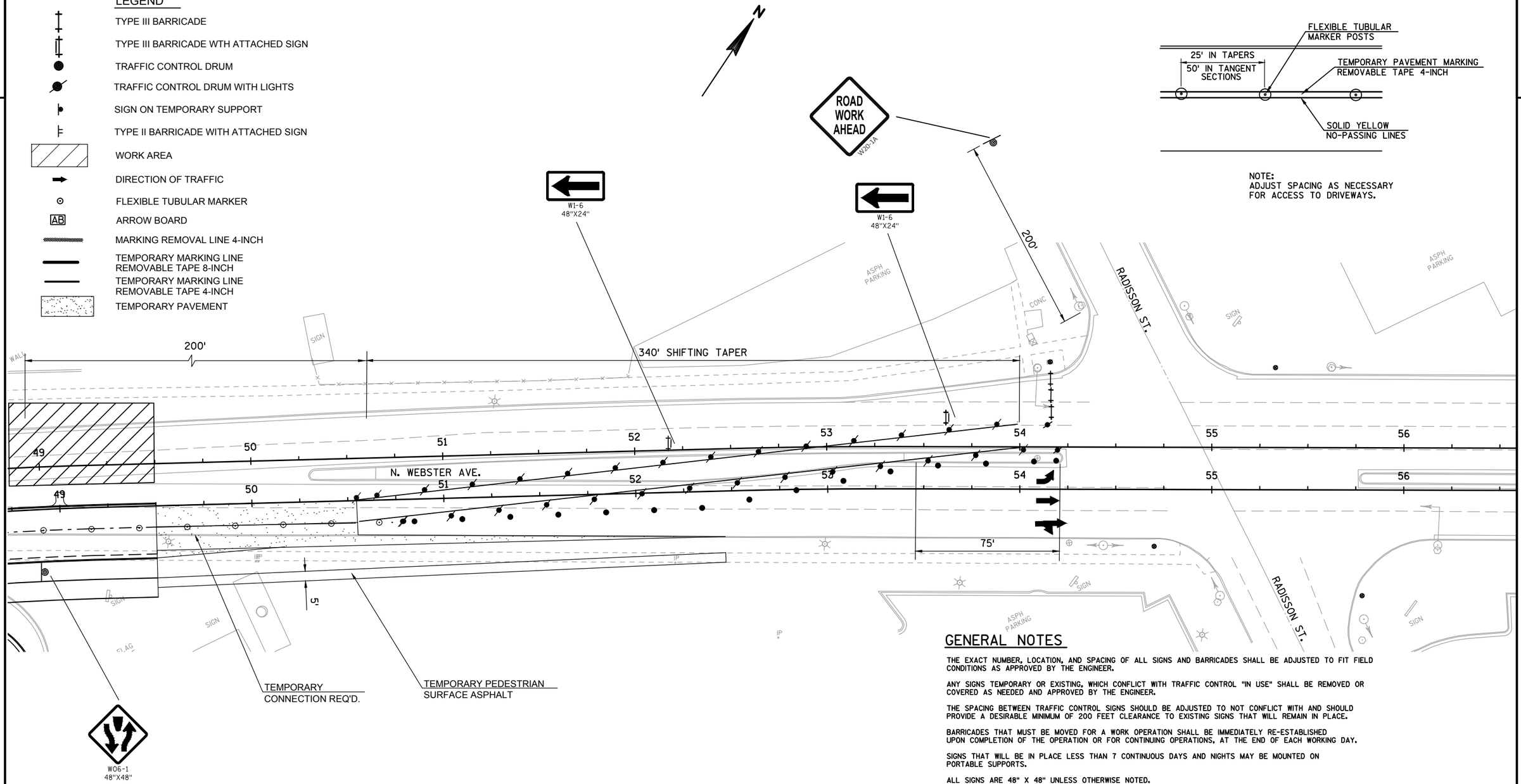
FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\026011 S2.DWG
LAYOUT NAME - 026011 S2

PLOT DATE : 11/1/2018 2:37 PM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHTS
- SIGN ON TEMPORARY SUPPORT
- TYPE II BARRICADE WITH ATTACHED SIGN
- WORK AREA
- DIRECTION OF TRAFFIC
- FLEXIBLE TUBULAR MARKER
- AB ARROW BOARD
- MARKING REMOVAL LINE 4-INCH
- TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH
- TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH
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PROJECT NO: 4987-02-65	HWY: N. WEBSTER AVE.	COUNTY: BROWN	STAGE CONSTRUCTION-STAGE 2	SHEET	E

FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\026012 S2.DWG
LAYOUT NAME - 026012 S2

PLOT DATE : 11/1/2018 2:39 PM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE :

WISDOT/CADDS SHEET 42

2

RADISSON ST.

TEMPORARY MARKING LINE
REMOVABLE TAPE 4-INCH REQ'D.

RIGHT LANE MUST TURN RIGHT
R3-7-R
30"X30"

W4-2R

245'

200'

150'

AB

55

56

5.7

N. WEBSTER AVE.

LINE

MATCH

TEMPORARY MARKING LINE
REMOVABLE TAPE 4-INCH REQ'D.

RADISSON ST.

LEFT LANE MUST TURN LEFT
R3-7-L
30"X30"

END ROAD WORK
G20-2A
48"X24"

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHTS
- SIGN ON TEMPORARY SUPPORT
- TYPE II BARRICADE WITH ATTACHED SIGN
- WORK AREA
- DIRECTION OF TRAFFIC
- FLEXIBLE TUBULAR MARKER
- AB — ARROW BOARD
- MARKING REMOVAL LINE 4-INCH
- TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH
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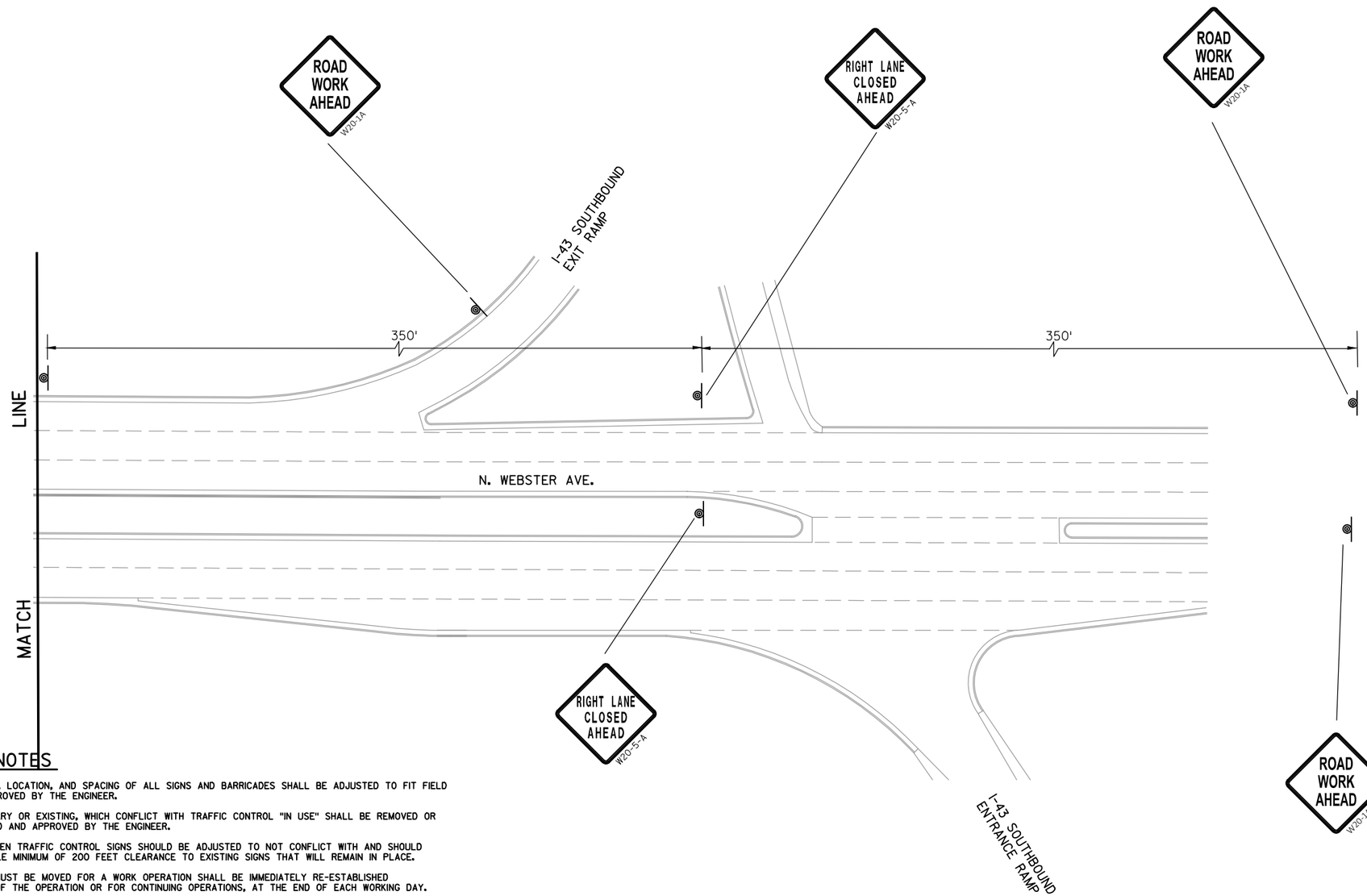
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PROJECT NO: 4987-02-65	HWY: N. WEBSTER AVE.	COUNTY: BROWN	STAGE CONSTRUCTION-STAGE 2	SHEET 103	E

2



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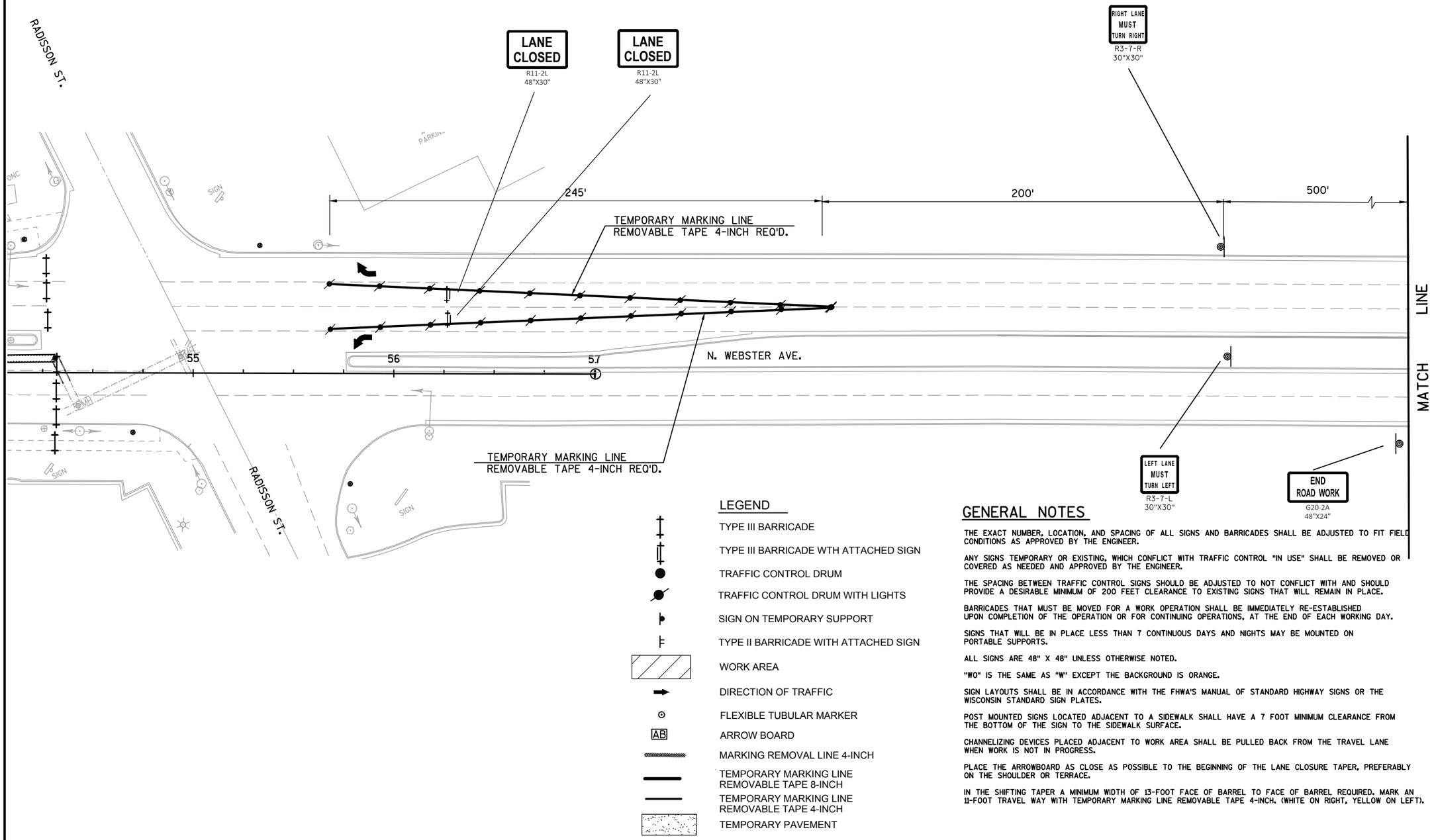
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LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHTS
- SIGN ON TEMPORARY SUPPORT
- TYPE II BARRICADE WITH ATTACHED SIGN
- WORK AREA
- DIRECTION OF TRAFFIC
- FLEXIBLE TUBULAR MARKER
- AB — ARROW BOARD
- MARKING REMOVAL LINE 4-INCH
- TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH
- TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH
- TEMPORARY PAVEMENT

PROJECT NO: 4987-02-65	HWY: N. WEBSTER AVE.	COUNTY: BROWN	STAGE CONSTRUCTION-STAGE 2	SHEET 104	E

2



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
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- TRAFFIC CONTROL DRUM WITH LIGHTS
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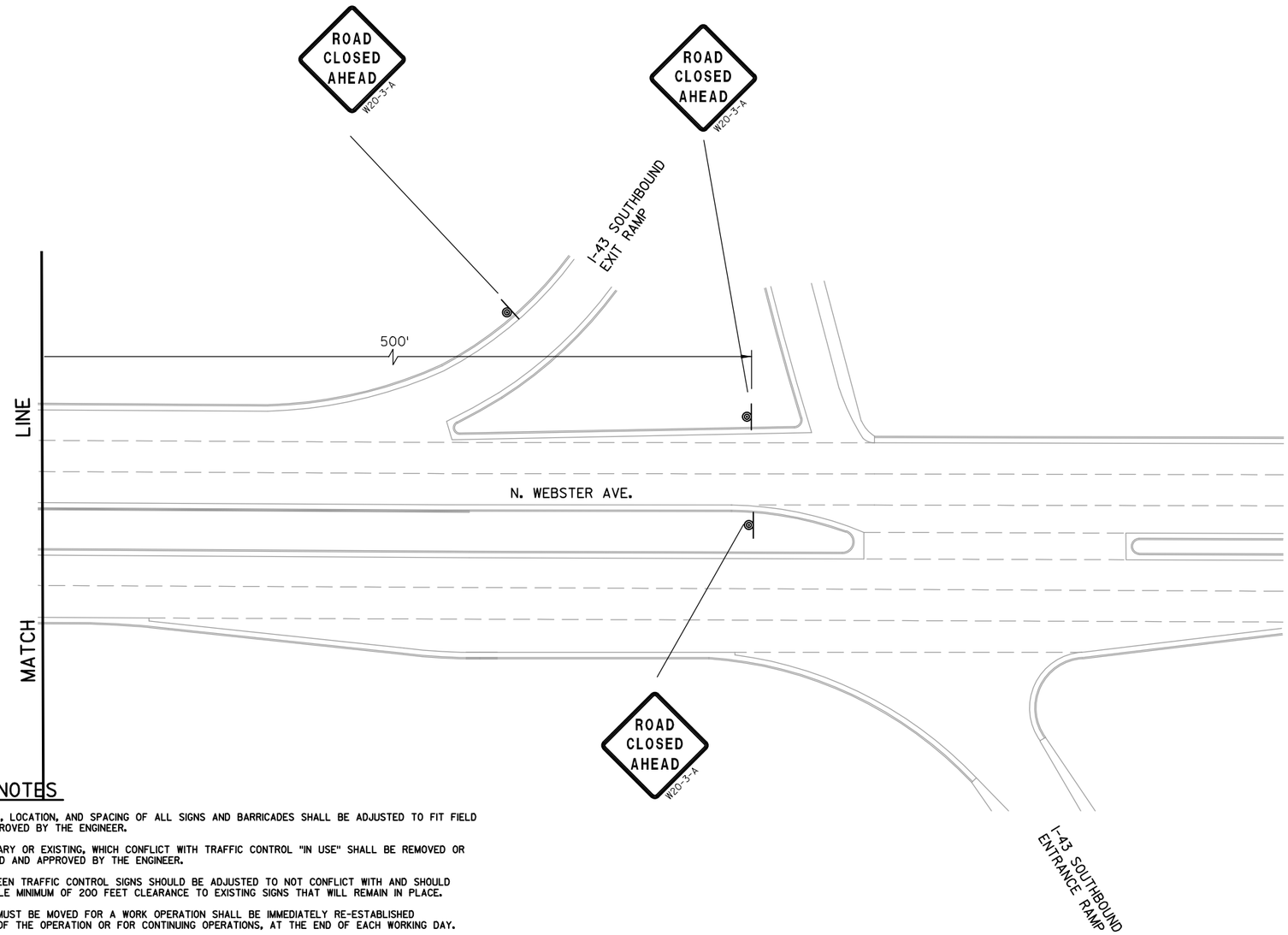
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PROJECT NO: 4987-02-65	HWY: N. WEBSTER AVE.	COUNTY: BROWN	STAGE CONSTRUCTION-STAGE 3	SHEET	E

FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\026015 S3.DWG
LAYOUT NAME - 026015 S3

PLOT DATE : 11/1/2018 2:42 PM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE :

2



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LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHTS
- SIGN ON TEMPORARY SUPPORT
- TYPE II BARRICADE WITH ATTACHED SIGN
- WORK AREA
- DIRECTION OF TRAFFIC
- FLEXIBLE TUBULAR MARKER
- AB — ARROW BOARD
- MARKING REMOVAL LINE 4-INCH
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PROJECT NO: 4987-02-65	HWY: N. WEBSTER AVE.	COUNTY: BROWN	STAGE CONSTRUCTION-STAGE 3	SHEET	E

FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\026016 S3.DWG
LAYOUT NAME - 026016 S3

PLOT DATE : 11/1/2018 2:43 PM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE :

CONTROL POINT DATA					
POINT NO.	FEATURE	NORTHING	EASTING	ELEVATION	DESCRIPTION
100	CP	567341.890	103206.621	105.75	.75" REBAR
101	CP	567832.918	103522.354	102.55	.75" REBAR
102	CP	568156.337	103705.402	99.33	.75" REBAR
103	CP	567419.328	103428.592	104.13	HUB
104	CP	567616.504	103484.208	102.95	MAG NAIL
105	CP	568032.683	103527.005	100.51	6" NAIL
106	CP	567814.028	103316.787	102.84	MAG SPIKE
107	CP	568371.292	103722.979	98.89	6" NAIL
108	CP	568526.159	103874.253	98.70	.75" REBAR
109	CP	568708.059	103899.704	99.04	6" NAIL
110	CP	568874.669	104048.087	98.79	.75" REBAR
111	CP	569043.076	104048.373	99.85	6" NAIL
112	CP	569202.746	104227.083	101.56	.75" REBAR
113	CP	569283.575	104250.636	101.16	6" NAIL
125	CP	569843.953	104004.625	98.52	6" NAIL
126	CP	568375.852	103270.583	98.60	6" NAIL

BM 200
BM 201
CP 125
CP 126
BM 215
BM 217
CANADIAN NATIONAL RAILROAD
SMITH ST.
EASTMAN ST. (SOUTH)
EASTMAN ST. (NORTH)
SRR
UNIVERSITY AVE.
HARVEY ST.
DAY ST.
N. WEBSTER AVE. (SBND.)
N. WEBSTER AVE. (NBND.)
(SOUTHBOUND)
(NORTHBOUND)
EQUATION

BEGIN PROJECT
STA. 10+32.86NB
Y=567318.250
X=103236.465

BP: 10+46.61SB
Y=567330.666
X=103242.375

PI: 11+32.13SB
Y=567407.893
X=103279.130

BP: 10+00.06NB
Y=567288.633
X=103222.370

PI: 10+46.61NB
Y=567330.666
X=103242.375

PI: 13+09.08NB
Y=567556.932
X=103375.405

BP: 8+31.14UNE
Y=567828.114
X=103323.251

PI: 9+34.77UNE
Y=567782.091
X=103416.103

STA. 15+29.27NB N. WEBSTER AVE.=
STA. 9+80.99UNE UNIVERSITY AVE.
Y=567762.487
X=103457.954

PI: 14+91.96SB
Y=567729.315
X=103440.887

PI: 14+92.42NB
Y=567720.698
X=103457.821

STA. 15+30.45NB N. WEBSTER AVE.=
STA. 10+00.00UNE UNIVERSITY AVE.
Y=567754.422
X=103475.171

PI: 10+57.54UNE
Y=567730.013
X=103527.280

EP: 11+52.20UNE
Y=567687.909
X=103612.059

BP: 8+31.14UNW
Y=567863.953
X=103341.015

PI: 9+34.77UNW
Y=567817.930
X=103433.867

STA. 15+69.29NB N. WEBSTER AVE.=
STA. 9+81.59UNW UNIVERSITY AVE.

BP: 8+26.00HV
Y=568223.833
X=103526.630

PI STA AHEAD = 19+73.18SB
STA BACK = 19+72.43SB

PI: 16+73.30NB
Y=567881.542
X=103540.573

PI: 18+73.36NB
Y=568057.098
X=103636.517

STA. 15+70.36NB N. WEBSTER AVE.=
STA. 10+00.60UNW UNIVERSITY AVE.
Y=567790.006
X=103493.479

PI: 10+57.57UNW
Y=567765.838
X=103545.072

EP: 11+52.46UNW
Y=567723.633
X=103630.055

PI STA. 19+73.18SB N. WEBSTER AVE. AH=
STA. 9+76.00 HARVEY ST.
Y=568156.554
X=103660.696

BP: 8+25.99DY
Y=568575.407
X=103701.609

STA. 23+66.62NB N. WEBSTER AVE.=
STA. 9+75.99 DAY ST.
Y=568508.778
X=103835.999

STA. 23+67.35NB N. WEBSTER AVE.=
STA. 10+00.00 DAY ST.
Y=568498.741
X=103857.812

EP: 11+50.00DY
Y=568431.817
X=103992.055

PI STA. 19+73.02NB N. WEBSTER AVE.=
STA. 10+00.00 HARVEY ST.
Y=568145.717
X=103682.110

EP: 11+50.00HV
Y=568079.808
X=103816.855

BP: 8+26.00SM
Y=568924.748
X=103875.478

STA. 27+56.36SB N. WEBSTER AVE.=
STA. 9+76.00 SMITH ST.
Y=568857.687
X=104009.652

STA. 27+56.45NB N. WEBSTER AVE.=
STA. 10+00.00 SMITH ST.
Y=568847.075
X=104031.179

EP: 11+34.52SM
Y=568787.347
X=104151.715

BP: 8+26.00EMS
Y=569269.558
X=104047.091

STA. 31+42.05SB N. WEBSTER AVE.=
STA. 9+76.00EMS EASTMAN ST.
Y=569202.982
X=104181.507

STA. 31+42.12NB N. WEBSTER AVE.=
STA. 10+00.00EMS EASTMAN ST.
Y=569192.350
X=104203.024

EP: 11+50.00EMS
Y=569125.495
X=104337.301

PI: 10+58.99RR
Y=569206.357
X=104275.890

BP: 4+23.61RR
Y=569489.159
X=103706.918

BP: 8+25.87EMN
Y=569336.674
X=104080.494

STA. 31+87.08SB N. WEBSTER AVE.=
STA. 9+76.00RR WISCONSIN CENTRAL RAILROAD
Y=569269.624
X=104214.675

STA. 32+16.49SB N. WEBSTER AVE.=
STA. 9+87.5EMN EASTMAN ST.
Y=569243.297
X=104201.572

STA. 32+19.02NB N. WEBSTER AVE.=
STA. 10+00.00EMN EASTMAN ST.
Y=569261.191
X=104237.286

STA. 31+87.19NB N. WEBSTER AVE.=
STA. 10+00.00RR WISCONSIN CENTRAL RAILROAD
Y=569232.701
X=104223.106

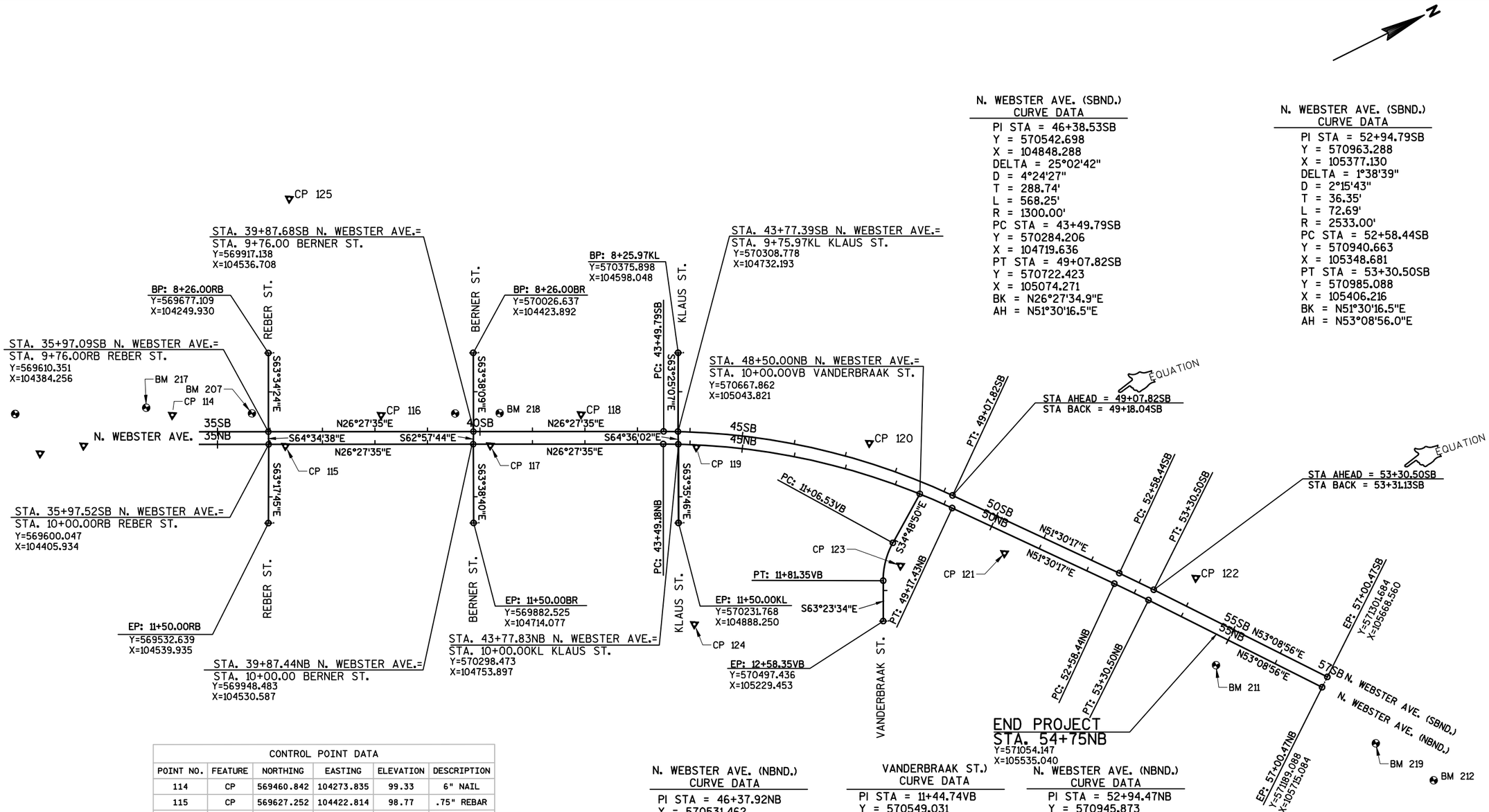
EP: 11+50.00EMN
Y=569194.519
X=104371.654

PI: 11+41.40RR
Y=569167.304
X=104348.459

EP: 15+41.52RR
Y=568988.753
X=104706.526

PROJECT NO: 4987-02-65	HWY: NORTH WEBSTER AVE.	COUNTY: BROWN	ALIGNMENT DIAGRAM	SHEET 107 E

FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\027201 AD.DWG
LAYOUT NAME - 027201 AD
PLOT DATE : 10/31/2018 9:04 PM PLOT BY : VERVILLE, PHILLIP PLOT NAME : PLOT SCALE : 1 IN:200 FT



N. WEBSTER AVE. (SBND.)
CURVE DATA

PI STA = 46+38.53SB
Y = 570542.698
X = 104848.288
DELTA = 25°02'42"
D = 4°24'27"
T = 288.74'
L = 568.25'
R = 1300.00'
PC STA = 43+49.79SB
Y = 570284.206
X = 104719.636
PT STA = 49+07.82SB
Y = 570722.423
X = 105074.271
BK = N26°27'34.9"E
AH = N51°30'16.5"E

N. WEBSTER AVE. (SBND.)
CURVE DATA

PI STA = 52+94.79SB
Y = 570963.288
X = 105377.130
DELTA = 1°38'39"
D = 2°15'43"
T = 36.35'
L = 72.69'
R = 2533.00'
PC STA = 52+58.44SB
Y = 570940.663
X = 105348.681
PT STA = 53+30.50SB
Y = 570985.088
X = 105406.216
BK = N51°30'16.5"E
AH = N53°08'56.0"E

CONTROL POINT DATA

POINT NO.	FEATURE	NORTHING	EASTING	ELEVATION	DESCRIPTION
114	CP	569460.842	104273.835	99.33	6" NAIL
115	CP	569627.252	104422.814	98.77	.75" REBAR
116	CP	569816.781	104451.473	99.15	6" NAIL
117	CP	569976.943	104596.129	99.35	6" NAIL
118	CP	570158.161	104620.239	98.33	1" PIPE
119	CP	570326.695	104774.168	98.05	.75" REBAR
120	CP	570625.227	104913.990	98.90	6" NAIL
121	CP	570761.846	105216.798	99.56	.75" REBAR
122	CP	571066.941	105421.418	99.98	.75" REBAR
123	CP	570574.112	105149.702	99.01	MAG NAIL
124	CP	570172.794	105074.222	98.32	6" NAIL
125	CP	569843.953	104004.625	98.52	6" NAIL

N. WEBSTER AVE. (NBND.)
CURVE DATA

PI STA = 46+37.92NB
Y = 570531.462
X = 104869.504
DELTA = 25°02'42"
D = 4°24'27"
T = 288.74'
L = 568.25'
R = 1300.00'
PC STA = 43+49.18NB
Y = 570272.970
X = 104740.852
PT STA = 49+17.43NB
Y = 570711.187
X = 105095.487
BK = N26°27'34.9"E
AH = N51°30'16.5"E

VANDERBRAAK ST.
CURVE DATA

PI STA = 11+44.74VB
Y = 570549.031
X = 105126.453
DELTA = 28°34'44"
D = 38°11'50"
T = 38.21'
L = 74.82'
R = 150.00'
PC STA = 11+06.53VB
Y = 570580.398
X = 105104.641
PT STA = 11+81.35VB
Y = 570531.920
X = 105160.612
BK = S34°48'49.7"E
AH = S63°23'34.0"E

N. WEBSTER AVE. (NBND.)
CURVE DATA

PI STA = 52+94.47NB
Y = 570945.873
X = 105390.576
DELTA = 1°38'39"
D = 2°16'54"
T = 36.03'
L = 72.06'
R = 2511.00'
PC STA = 52+58.44NB
Y = 570923.444
X = 105362.375
PT STA = 53+30.50NB
Y = 570967.484
X = 105419.410
BK = N51°30'16.5"E
AH = N53°08'56.0"E

PROJECT NO: 4987-02-65	HWY: N. WEBSTER AVE.	COUNTY: BROWN	ALIGNMENT DIAGRAM	SHEET 108	E

4987-02-65

Line	Item	Item Description	Unit	Total	Qty
0002	201.0120	Clearing	ID	875.000	875.000
0004	201.0220	Grubbing	ID	875.000	875.000
0006	204.0100	Removing Pavement	SY	30,040.000	30,040.000
0008	204.0150	Removing Curb & Gutter	LF	1,090.000	1,090.000
0010	204.0155	Removing Concrete Sidewalk	SY	4,100.000	4,100.000
0012	204.0195	Removing Concrete Bases	EACH	10.000	10.000
0014	204.0210	Removing Manholes	EACH	20.000	20.000
0016	204.0220	Removing Inlets	EACH	55.000	55.000
0018	204.0245	Removing Storm Sewer (size) 01. 8-Inch to 12-Inch	LF	3,080.000	3,080.000
0020	204.0245	Removing Storm Sewer (size) 02. 15-Inch	LF	735.000	735.000
0022	204.0245	Removing Storm Sewer (size) 03. 18-Inch	LF	540.000	540.000
0024	204.0245	Removing Storm Sewer (size) 04. 21-Inch	LF	80.000	80.000
0026	204.0245	Removing Storm Sewer (size) 04. 24-Inch	LF	245.000	245.000
0028	204.0245	Removing Storm Sewer (size) 05. 30-Inch	LF	435.000	435.000
0030	204.0245	Removing Storm Sewer (size) 07. 48-Inch	LF	260.000	260.000
0032	204.0280	Sealing Pipes	EACH	10.000	10.000
0034	205.0100	Excavation Common	CY	29,210.000	29,210.000
0036	213.0100	Finishing Roadway (project) 01. 4987-02-65	EACH	1.000	1.000
0038	305.0110	Base Aggregate Dense 3/4-Inch	TON	10.000	10.000
0040	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	18,185.000	18,185.000
0042	305.0130	Base Aggregate Dense 3-Inch	TON	17,500.000	17,500.000
0044	405.0200	Coloring Concrete Custom	CY	338.000	338.000
0046	415.0085	Concrete Pavement 8 1/2-Inch	SY	27,780.000	27,780.000
0048	415.0210	Concrete Pavement Gaps	EACH	2.000	2.000
0050	415.1085	Concrete Pavement HES 8 1/2-Inch	SY	2,160.000	2,160.000
0052	415.4100	Concrete Pavement Joint Filling	SY	32,200.000	32,200.000
0054	415.5110.S	Concrete Pavement Joint Layout	LS	1.000	1.000
0056	416.0160	Concrete Driveway 6-Inch	SY	300.000	300.000
0058	416.0180	Concrete Driveway 8-Inch	SY	265.000	265.000
0060	416.0280	Concrete Driveway HES 8-Inch	SY	85.000	85.000
0062	416.0610	Drilled Tie Bars	EACH	94.000	94.000
0064	416.0620	Drilled Dowel Bars	EACH	242.000	242.000
0066	416.1010	Concrete Surface Drains	CY	76.000	76.000
0068	450.4000	HMA Cold Weather Paving	TON	40.000	40.000
0070	455.0605	Tack Coat	GAL	305.000	305.000
0072	460.2000	Incentive Density HMA Pavement	DOL	605.000	605.000
0074	460.5224	HMA Pavement 4 LT 58-28 S	TON	780.000	780.000
0076	460.6223	HMA Pavement 3 MT 58-28 S	TON	120.000	120.000
0078	460.6224	HMA Pavement 4 MT 58-28 S	TON	45.000	45.000
0080	465.0105	Asphaltic Surface	TON	725.000	725.000

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Line	Item	Item Description	Unit	Total	Qty
0082	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	45.000	45.000
0084	465.0125	Asphaltic Surface Temporary	TON	575.000	575.000
0086	520.8000	Concrete Collars for Pipe	EACH	13.000	13.000
0088	601.0411	Concrete Curb & Gutter 30-Inch Type D	LF	225.000	225.000
0090	601.0452	Concrete Curb & Gutter Integral 30-Inch Type D	LF	8,870.000	8,870.000
0092	602.0405	Concrete Sidewalk 4-Inch	SF	19,040.000	19,040.000
0094	602.0515	Curb Ramp Detectable Warning Field Natural Patina	SF	790.000	790.000
0096	602.0615	Curb Ramp Detectable Warning Field Radial Natural Patina	SF	25.000	25.000
0098	602.2400	Concrete Safety Islands	SF	345.000	345.000
0100	606.0200	Riprap Medium	CY	19.000	19.000
0102	608.0315	Storm Sewer Pipe Reinforced Concrete Class III 15-Inch	LF	148.000	148.000
0104	608.0324	Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	LF	413.000	413.000
0106	608.0336	Storm Sewer Pipe Reinforced Concrete Class III 36-Inch	LF	227.000	227.000
0108	608.0342	Storm Sewer Pipe Reinforced Concrete Class III 42-Inch	LF	323.000	323.000
0110	608.0354	Storm Sewer Pipe Reinforced Concrete Class III 54-Inch	LF	239.000	239.000
0112	608.0412	Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch	LF	349.000	349.000
0114	608.0418	Storm Sewer Pipe Reinforced Concrete Class IV 18-Inch	LF	158.000	158.000
0116	608.0424	Storm Sewer Pipe Reinforced Concrete Class IV 24-Inch	LF	124.000	124.000
0118	608.2319	Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-III 19x30-Inch	LF	624.000	624.000
0120	608.2324	Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-III 24x38-Inch	LF	504.000	504.000
0122	608.2329	Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-III 29x45-Inch	LF	473.000	473.000
0124	608.2334	Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-III 34x53-Inch	LF	71.000	71.000
0126	608.2419	Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 19x30-Inch	LF	136.000	136.000
0128	608.2424	Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 24x38-Inch	LF	283.000	283.000
0130	608.2429	Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 29x45-Inch	LF	348.000	348.000
0132	611.8120.S	Cover Plates Temporary	EACH	2.000	2.000
0134	612.0406	Pipe Underdrain Wrapped 6-Inch	LF	720.000	720.000

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Line	Item	Item Description	Unit	Total	Qty
0136	612.0902.S	Insulation Board Polystyrene (inch) 01. 2-Inch	SY	100.000	100.000
0138	619.1000	Mobilization	EACH	1.000	1.000
0140	620.0300	Concrete Median Sloped Nose	SF	542.000	542.000
0142	623.0200	Dust Control Surface Treatment	SY	50,000.000	50,000.000
0144	624.0100	Water	MGAL	458.000	458.000
0146	625.0100	Topsoil	SY	23,000.000	23,000.000
0148	627.0200	Mulching	SY	2,500.000	2,500.000
0150	628.1504	Silt Fence	LF	870.000	870.000
0152	628.1520	Silt Fence Maintenance	LF	1,740.000	1,740.000
0154	628.1905	Mobilizations Erosion Control	EACH	10.000	10.000
0156	628.1910	Mobilizations Emergency Erosion Control	EACH	6.000	6.000
0158	628.2004	Erosion Mat Class I Type B	SY	95.000	95.000
0160	628.2006	Erosion Mat Urban Class I Type A	SY	13,560.000	13,560.000
0162	628.2037	Erosion Mat Class III Type C	SY	95.000	95.000
0164	628.7005	Inlet Protection Type A	EACH	100.000	100.000
0166	628.7010	Inlet Protection Type B	EACH	35.000	35.000
0168	628.7015	Inlet Protection Type C	EACH	85.000	85.000
0170	628.7020	Inlet Protection Type D	EACH	35.000	35.000
0172	628.7560	Tracking Pads	EACH	10.000	10.000
0174	629.0210	Fertilizer Type B	CWT	18.000	18.000
0176	630.0140	Seeding Mixture No. 40	LB	108.000	108.000
0178	630.0200	Seeding Temporary	LB	50.000	50.000
0180	631.0300	Sod Water	MGAL	393.000	393.000
0182	631.1000	Sod Lawn	SY	9,500.000	9,500.000
0184	643.0300	Traffic Control Drums	DAY	43,678.000	43,678.000
0186	643.0410	Traffic Control Barricades Type II	DAY	9,082.000	9,082.000
0188	643.0420	Traffic Control Barricades Type III	DAY	15,130.000	15,130.000
0190	643.0500	Traffic Control Flexible Tubular Marker Posts	EACH	290.000	290.000
0192	643.0600	Traffic Control Flexible Tubular Marker Bases	EACH	290.000	290.000
0194	643.0705	Traffic Control Warning Lights Type A	DAY	14,706.000	14,706.000
0196	643.0715	Traffic Control Warning Lights Type C	DAY	12,518.000	12,518.000
0198	643.0800	Traffic Control Arrow Boards	DAY	317.000	317.000
0200	643.0900	Traffic Control Signs	DAY	30,579.000	30,579.000
0202	643.1000	Traffic Control Signs Fixed Message	SF	108.000	108.000
0204	643.1050	Traffic Control Signs PCMS	DAY	98.000	98.000
0206	643.5000	Traffic Control	EACH	1.000	1.000
0208	644.1410.S	Temporary Pedestrian Surface Asphalt	SF	4,500.000	4,500.000
0210	644.1616.S	Temporary Pedestrian Safety Fence	LF	400.000	400.000
0212	645.0120	Geotextile Type HR	SY	38.000	38.000
0214	645.0130	Geotextile Type R	SY	100.000	100.000

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Line	Item	Item Description	Unit	Total	Qty
0216	645.0140	Geotextile Type SAS	SY	2,500.000	2,500.000
0218	645.0220	Geogrid Type SR	SY	12,000.000	12,000.000
0220	646.1020	Marking Line Epoxy 4-Inch	LF	9,260.000	9,260.000
0222	646.3020	Marking Line Epoxy 8-Inch	LF	495.000	495.000
0224	646.5020	Marking Arrow Epoxy	EACH	53.000	53.000
0226	646.5120	Marking Word Epoxy	EACH	7.000	7.000
0228	646.5220	Marking Symbol Epoxy	EACH	41.000	41.000
0230	646.5320	Marking Railroad Crossings Epoxy	EACH	4.000	4.000
0232	646.6120	Marking Stop Line Epoxy 18-Inch	LF	270.000	270.000
0234	646.7120	Marking Diagonal Epoxy 12-Inch	LF	12.000	12.000
0236	646.7420	Marking Crosswalk Epoxy Transverse Line 6-Inch	LF	3,533.000	3,533.000
0238	646.8120	Marking Curb Epoxy	LF	160.000	160.000
0240	646.8220	Marking Island Nose Epoxy	EACH	19.000	19.000
0242	646.9010	Marking Removal Line Water Blasting 4-Inch	LF	550.000	550.000
0244	646.9200	Marking Removal Line Wide	LF	22.000	22.000
0246	649.0105	Temporary Marking Line Paint 4-Inch	LF	9,900.000	9,900.000
0248	649.0150	Temporary Marking Line Removable Tape 4-Inch	LF	12,200.000	12,200.000
0250	649.0250	Temporary Marking Line Removable Tape 8-Inch	LF	100.000	100.000
0252	650.4000	Construction Staking Storm Sewer	EACH	106.000	106.000
0254	650.4500	Construction Staking Subgrade	LF	10,104.000	10,104.000
0256	650.5000	Construction Staking Base	LF	622.000	622.000
0258	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	1,163.000	1,163.000
0260	650.7000	Construction Staking Concrete Pavement	LF	9,654.000	9,654.000
0262	650.8500	Construction Staking Electrical Installations (project) 01. 4987-02-65	LS	1.000	1.000
0264	650.9910	Construction Staking Supplemental Control (project) 01. 4987-02-65	LS	1.000	1.000
0266	650.9920	Construction Staking Slope Stakes	LF	10,104.000	10,104.000
0268	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	10,601.000	10,601.000
0270	652.0235	Conduit Rigid Nonmetallic Schedule 40 3-Inch	LF	1,160.000	1,160.000
0272	653.0905	Removing Pull Boxes	EACH	6.000	6.000
0274	654.0101	Concrete Bases Type 1	EACH	8.000	8.000
0276	655.0230	Cable Traffic Signal 5-14 AWG	LF	655.000	655.000
0278	655.0240	Cable Traffic Signal 7-14 AWG	LF	246.000	246.000
0280	655.0260	Cable Traffic Signal 12-14 AWG	LF	309.000	309.000
0282	655.0270	Cable Traffic Signal 15-14 AWG	LF	329.000	329.000
0284	655.0290	Cable Traffic Signal 21-14 AWG	LF	1,360.000	1,360.000
0286	655.0320	Cable Type UF 2-10 AWG Grounded	LF	1,767.000	1,767.000
0288	655.0515	Electrical Wire Traffic Signals 10 AWG	LF	1,155.000	1,155.000
0290	655.0610	Electrical Wire Lighting 12 AWG	LF	8,676.000	8,676.000

4987-02-65

Line	Item	Item Description	Unit	Total	Qty
0292	655.0625	Electrical Wire Lighting 6 AWG	LF	11,125.000	11,125.000
0294	655.0630	Electrical Wire Lighting 4 AWG	LF	32,335.000	32,335.000
0296	655.0700	Loop Detector Lead In Cable	LF	48.000	48.000
0298	657.0100	Pedestal Bases	EACH	8.000	8.000
0300	657.0425	Traffic Signal Standards Aluminum 15-FT	EACH	4.000	4.000
0302	657.0430	Traffic Signal Standards Aluminum 10-FT	EACH	4.000	4.000
0304	658.0173	Traffic Signal Face 3S 12-Inch	EACH	12.000	12.000
0306	658.0174	Traffic Signal Face 4S 12-Inch	EACH	8.000	8.000
0308	658.0416	Pedestrian Signal Face 16-Inch	EACH	8.000	8.000
0310	658.0500	Pedestrian Push Buttons	EACH	8.000	8.000
0312	658.5069	Signal Mounting Hardware (location) 01. University Ave & Webster Ave	LS	1.000	1.000
0314	690.0150	Sawing Asphalt	LF	739.000	739.000
0316	690.0250	Sawing Concrete	LF	2,254.000	2,254.000
0318	715.0415	Incentive Strength Concrete Pavement	DOL	8,937.000	8,937.000
0320	715.0710	Optimized Aggregate Gradation Incentive	DOL	27,037.000	27,037.000
0322	740.0440	Incentive IRI Ride	DOL	6,730.000	6,730.000
0324	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	2,100.000	2,100.000
0326	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	2,400.000	2,400.000
0328	SPV.0045	Special 01. Temporary Crosswalk Access	DAY	240.000	240.000
0330	SPV.0060	Special 01. Manhole Covers Type GB-J	EACH	22.000	22.000
0332	SPV.0060	Special 02. Inlet Covers Type GB-H	EACH	61.000	61.000
0334	SPV.0060	Special 03. Inlet Covers Type GB-C	EACH	24.000	24.000
0336	SPV.0060	Special 04. Inlet Covers Type GB-CSH	EACH	3.000	3.000
0338	SPV.0060	Special 05. Inlets GB 2x3-FT	EACH	58.000	58.000
0340	SPV.0060	Special 06. Inlets GB 2.5-FT	EACH	24.000	24.000
0342	SPV.0060	Special 07. Inlets GB 4-FT	EACH	2.000	2.000
0344	SPV.0060	Special 08. Inlets GB 5-FT	EACH	1.000	1.000
0346	SPV.0060	Special 09. Inlets GB 7-FT	EACH	1.000	1.000
0348	SPV.0060	Special 10. Inlets GB 4x6-FT	EACH	2.000	2.000
0350	SPV.0060	Special 11. Manholes GB 4-FT	EACH	5.000	5.000
0352	SPV.0060	Special 12. Manholes GB 5-FT	EACH	4.000	4.000
0354	SPV.0060	Special 13. Manholes GB 6-FT	EACH	5.000	5.000
0356	SPV.0060	Special 14. Manholes GB 7-FT	EACH	2.000	2.000
0358	SPV.0060	Special 15. Manholes GB 8-FT	EACH	4.000	4.000
0360	SPV.0060	Special 16. Storm Sewer Tap 24x10-Inch	EACH	1.000	1.000
0362	SPV.0060	Special 17. Storm Sewer Tap 24x12-Inch	EACH	5.000	5.000
0364	SPV.0060	Special 18. Storm Sewer Tap 36x12-Inch	EACH	2.000	2.000
0366	SPV.0060	Special 19. Storm Sewer Tap 42x12-Inch	EACH	4.000	4.000
0368	SPV.0060	Special 20. Storm Sewer Tap 54x12-Inch	EACH	3.000	3.000

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Line	Item	Item Description	Unit	Total	Qty
0370	SPV.0060	Special 21. Storm Sewer Tap (19x30)x10-Inch	EACH	1.000	1.000
0372	SPV.0060	Special 22. Storm Sewer Tap (19x30)x12-Inch	EACH	13.000	13.000
0374	SPV.0060	Special 23. Storm Sewer Tap (24x38)x12-Inch	EACH	11.000	11.000
0376	SPV.0060	Special 24. Storm Sewer Tap (29x45)x12-Inch	EACH	10.000	10.000
0378	SPV.0060	Special 25. Storm Sewer Tap (34x53)x12-Inch	EACH	2.000	2.000
0380	SPV.0060	Special 26. Backflow Preventer	EACH	2.000	2.000
0382	SPV.0060	Special 27. Temporary Storm Sewer Connection	EACH	6.000	6.000
0384	SPV.0060	Special 28. Install Inlet Covers	EACH	8.000	8.000
0386	SPV.0060	Special 29. Adjusting Sanitary Manhole Cover	EACH	23.000	23.000
0388	SPV.0060	Special 30. Adjusting Storm Sewer Manhole Covers	EACH	5.000	5.000
0390	SPV.0060	Special 31. Adjusting Inlet Covers	EACH	2.000	2.000
0392	SPV.0060	Special 32. Adjusting Water Valve Boxes	EACH	29.000	29.000
0394	SPV.0060	Special 33. Adjusting Water Curb Boxes	EACH	22.000	22.000
0396	SPV.0060	Special 34. Utility Line Openings	EACH	10.000	10.000
0398	SPV.0060	Special 35. Rotate Sanitary Manhole Cone	EACH	1.000	1.000
0400	SPV.0060	Special 36. Storm Sewer Tap Inlet	EACH	2.000	2.000
0402	SPV.0060	Special 37. Concrete Inlet Bottom Smith Street	EACH	2.000	2.000
0404	SPV.0060	Special 50. Pull Boxes Polymer Concrete 17x30x34 Inch	EACH	6.000	6.000
0406	SPV.0060	Special 51. Pull Boxes Polymer Concrete 24x36x36 Inch	EACH	4.000	4.000
0408	SPV.0060	Special 52. Concrete Bases Type 2 Special	EACH	45.000	45.000
0410	SPV.0060	Special 53. Concrete Bases Type 4 Special	EACH	4.000	4.000
0412	SPV.0060	Special 54. Monotube Pole T4 With 40-FT Arm	EACH	3.000	3.000
0414	SPV.0060	Special 55. Monotube Pole T4 With 45-FT Arm	EACH	1.000	1.000
0416	SPV.0060	Special 56. Traffic Signal Controller	EACH	1.000	1.000
0418	SPV.0060	Special 57. Controller Cabinet 8-Phase TS-2 Ethernet	EACH	1.000	1.000
0420	SPV.0060	Special 58. Traffic Signal Ground Sleeve	EACH	1.000	1.000
0422	SPV.0060	Special 59. Pole Type 2 30-FT	EACH	45.000	45.000
0424	SPV.0060	Special 60. Luminaire Arm Special 6 ft	EACH	45.000	45.000
0426	SPV.0060	Special 61. Luminaire Roadway	EACH	49.000	49.000
0428	SPV.0060	Special 62. Electrical Service Meter Breaker Pedestal	EACH	2.000	2.000
0430	SPV.0060	Special 63. Street Light Photo Control 120 V	EACH	2.000	2.000
0432	SPV.0075	Special 01. Street Sweeping	HRS	50.000	50.000
0434	SPV.0085	Special 01. Low Maintenance Seed Mix	LB	132.000	132.000
0436	SPV.0090	Special 01. Concrete Curb and Gutter 18-Inch Type A Special	LF	7,500.000	7,500.000
0438	SPV.0090	Special 02. Concrete Curb and Gutter 24-Inch Type D	LF	844.000	844.000
0440	SPV.0090	Special 03. Concrete Curb and Gutter Integral HES 30-Inch Type D	LF	315.000	315.000
0442	SPV.0090	Special 04. Storm Sewer Pipe PVC 8-Inch	LF	5.000	5.000

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Line	Item	Item Description	Unit	Total	Qty
0444	SPV.0090	Special 05. Storm Sewer Pipe PVC 10-Inch	LF	124.000	124.000
0446	SPV.0090	Special 06. Storm Sewer Pipe Inlet Lead 12-Inch	LF	2,406.000	2,406.000
0448	SPV.0090	Special 07. Storm Sewer Laterals 6-Inch	LF	1,150.000	1,150.000
0450	SPV.0090	Special 08. Storm Sewer Laterals 12-Inch	LF	100.000	100.000
0452	SPV.0090	Special 09. Mini-Storm Sewer 6-Inch	LF	30.000	30.000
0454	SPV.0090	Special 10. Mini-Storm Sewer 8-Inch	LF	10.000	10.000
0456	SPV.0090	Special 11. Temporary Marking Stop Line Paint 24-Inch	LF	55.000	55.000
0458	SPV.0090	Special 12. Abandoning Storm Sewer 12-Inch	LF	120.000	120.000
0460	SPV.0090	Special 13. Abandoning Storm Sewer 21-Inch	LF	76.000	76.000
0462	SPV.0090	Special 14. Concrete Curb and Gutter 18-Inch Type D Special	LF	60.000	60.000
0464	SPV.0090	Special 15. Marking Crosswalk Epoxy transverse Line 12-Inch	LF	655.000	655.000
0466	SPV.0105	Special 01. Grading and Shaping Alley Turnaround Sta 17+55	LS	1.000	1.000
0468	SPV.0105	Special 02. Grading and Shaping Alley Turnaround Sta 21+61	LS	1.000	1.000
0470	SPV.0105	Special 03. Grading and Shaping Alley Turnaround Sta 25+61	LS	1.000	1.000
0472	SPV.0105	Special 04. Grading and Shaping Alley Turnaround Sta 29+52	LS	1.000	1.000
0474	SPV.0105	Special 05. Grading and Shaping Alley Turnaround Sta 34+02	LS	1.000	1.000
0476	SPV.0105	Special 06. Grading and Shaping Alley Turnaround Sta 37+92	LS	1.000	1.000
0478	SPV.0105	Special 07. Grading and Shaping Alley Turnaround Sta 45+84	LS	1.000	1.000
0480	SPV.0105	Special 08. Vehicular Video Detection System 4-Camera (University Ave & Webster Ave)	LS	1.000	1.000
0482	SPV.0105	Special 09. Emergency Vehicle Preemption System (University Avenue & Webster Avenue)	LS	1.000	1.000
0484	SPV.0105	Special 10. Remove Traffic Signals (Webster Avenue and University Avenue)	LS	1.000	1.000
0486	SPV.0105	Special 11. Storm Sewer Manhole #3 Cast in Place Concrete	LS	1.000	1.000
0488	SPV.0165	Special 01. Concrete Sidewalk 8-Inch	SF	6,635.000	6,635.000
0490	SPV.0170	Special 01. Test Rolling	STA	90.000	90.000
0492	SPV.0195	Special 01. Cold Patch	TON	10.000	10.000
0494	SPV.0195	Special 02. 1.5-Inch Stone Cradle Storm Sewer	TON	100.000	100.000
0496	SPV.0195	Special 03. 3-Inch Stone Cradle Storm Sewer	TON	100.000	100.000
0498	SPV.0195	Special 04. Sewer Stabilization Aggregate	TON	100.000	100.000

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CLEARING AND GRUBBING

STATION	TO	STATION	LOCATION	201.0120 CLEARING ID	201.0220 GRUBBING ID
10+13.86	-	15+50	WEBSTER AVE, NB	36	36
15+50	-	19+73	WEBSTER AVE, NB	64	64
19+73	-	23+67	WEBSTER AVE, NB	127	127
23+67	-	27+56	WEBSTER AVE, NB	88	88
27+56	-	31+42	WEBSTER AVE, NB	129	129
31+42	-	32+19	WEBSTER AVE, NB	-	-
32+19	-	35+97	WEBSTER AVE, NB	-	-
35+97	-	39+87	WEBSTER AVE, NB	12	12
39+87	-	43+78	WEBSTER AVE, NB	20	20
43+78	-	54+75	WEBSTER AVE, NB	200	200
10+25	-	10+52	HARVEY ST	15	15
10+25	-	10+52	DAY ST	12	12
10+25	-	10+52	SMITH ST	36	36
10+25	-	10+52	EASTMAN AVE, EB	18	18
10+25	-	10+85	BERNER ST	30	30
UNDISTRIBUTED			ENTIRE PROJECT	88	88
TOTALS				875	875

REMOVING PAVEMENT

STATION	TO	STATION	LOCATION	204.0100 SY	REMARKS
10+13.86	-	15+50	WEBSTER AVE, NB	3,520	INCLUDES SIDEROAD PAVEMENT
15+50	-	19+73	WEBSTER AVE, NB	2,996	INCLUDES SIDEROAD PAVEMENT
19+73	-	23+67	WEBSTER AVE, NB	2,388	INCLUDES SIDEROAD PAVEMENT
23+67	-	27+56	WEBSTER AVE, NB	2,457	INCLUDES SIDEROAD PAVEMENT
27+56	-	31+42	WEBSTER AVE, NB	2,385	INCLUDES SIDEROAD PAVEMENT
31+42	-	32+19	WEBSTER AVE, NB	438	INCLUDES SIDEROAD PAVEMENT
32+19	-	35+97	WEBSTER AVE, NB	2,216	INCLUDES SIDEROAD PAVEMENT
35+97	-	39+87	WEBSTER AVE, NB	2,451	INCLUDES SIDEROAD PAVEMENT
39+87	-	43+78	WEBSTER AVE, NB	2,567	INCLUDES SIDEROAD PAVEMENT
43+78	-	54+75	WEBSTER AVE, NB	7,503	INCLUDES SIDEROAD PAVEMENT
10+13.86	-	15+50	WEBSTER AVE, NB, DRIVEWAYS	158	DRIVEWAY APRON AND SIDEWALK, INCLUDES SIDEROAD DRIVEWAYS
15+50	-	19+73	WEBSTER AVE, NB, DRIVEWAYS	134	DRIVEWAY APRON AND SIDEWALK, INCLUDES SIDEROAD DRIVEWAYS
19+73	-	23+67	WEBSTER AVE, NB, DRIVEWAYS	177	DRIVEWAY APRON AND SIDEWALK, INCLUDES SIDEROAD DRIVEWAYS
23+67	-	27+56	WEBSTER AVE, NB, DRIVEWAYS	191	DRIVEWAY APRON AND SIDEWALK, INCLUDES SIDEROAD DRIVEWAYS
27+56	-	31+42	WEBSTER AVE, NB, DRIVEWAYS	120	DRIVEWAY APRON AND SIDEWALK, INCLUDES SIDEROAD DRIVEWAYS
31+42	-	32+19	WEBSTER AVE, NB, DRIVEWAYS	18	DRIVEWAY APRON AND SIDEWALK, INCLUDES SIDEROAD DRIVEWAYS
32+19	-	35+97	WEBSTER AVE, NB, DRIVEWAYS	93	DRIVEWAY APRON AND SIDEWALK, INCLUDES SIDEROAD DRIVEWAYS
35+97	-	39+87	WEBSTER AVE, NB, DRIVEWAYS	137	DRIVEWAY APRON AND SIDEWALK, INCLUDES SIDEROAD DRIVEWAYS
39+87	-	43+77	WEBSTER AVE, NB, DRIVEWAYS	60	DRIVEWAY APRON AND SIDEWALK, INCLUDES SIDEROAD DRIVEWAYS
43+77	-	54+75	WEBSTER AVE, NB, DRIVEWAYS	31	DRIVEWAY APRON AND SIDEWALK, INCLUDES SIDEROAD DRIVEWAYS
TOTAL				30,040	

NOTE:
- QUANTITIES DO NOT REFLECT CONCRETE PAVEMENT REMOVED DURING UTILITY RELOCATIONS OR BUILDING REMOVALS. MAINLINE PAVEMENT AND SIDEROAD PAVEMENT TO BE MEASURED TO INCLUDE TRENCHES REGUARDLESS OF MATERIAL IN TRENCH

REMOVING CONCRETE SIDEWALK

STATION	TO	STATION	LOCATION	204.0155 SY	COMMENT
10+14	-	15+50	WEBSTER AVE, NB	941	INCLUDES SIDEROAD SIDEWALK
15+50	-	19+73	WEBSTER AVE, NB	367	INCLUDES SIDEROAD SIDEWALK
19+73	-	23+67	WEBSTER AVE, NB	449	INCLUDES SIDEROAD SIDEWALK
23+67	-	27+56	WEBSTER AVE, NB	286	INCLUDES SIDEROAD SIDEWALK
27+56	-	31+42	WEBSTER AVE, NB	387	INCLUDES SIDEROAD SIDEWALK
31+42	-	32+19	WEBSTER AVE, NB	33	INCLUDES SIDEROAD SIDEWALK
32+19	-	35+97	WEBSTER AVE, NB	331	INCLUDES SIDEROAD SIDEWALK
35+97	-	39+87	WEBSTER AVE, NB	289	INCLUDES SIDEROAD SIDEWALK
39+87	-	43+78	WEBSTER AVE, NB	305	INCLUDES SIDEROAD SIDEWALK
43+78	-	54+75	WEBSTER AVE, NB	712	INCLUDES SIDEROAD SIDEWALK
TOTAL				4,100	

REMOVING CURB AND GUTTER

STATION	TO	STATION	LOCATION	204.0150 LF	REMARKS
10+14	-	15+50	WEBSTER AVE, NB	8	INCLUDES SIDEROAD CURB
15+50	-	19+73	WEBSTER AVE, NB	61	INCLUDES SIDEROAD CURB
19+73	-	23+67	WEBSTER AVE, NB	122	INCLUDES SIDEROAD CURB
23+67	-	27+56	WEBSTER AVE, NB	61	INCLUDES SIDEROAD CURB
27+56	-	31+42	WEBSTER AVE, NB	49	INCLUDES SIDEROAD CURB
31+42	-	32+19	WEBSTER AVE, NB	93	INCLUDES SIDEROAD CURB
32+19	-	35+97	WEBSTER AVE, NB	148	INCLUDES SIDEROAD CURB
35+97	-	39+87	WEBSTER AVE, NB	137	INCLUDES SIDEROAD CURB
39+87	-	43+78	WEBSTER AVE, NB	115	INCLUDES SIDEROAD CURB
43+78	-	54+75	WEBSTER AVE, NB	296	INCLUDES SIDEROAD CURB
TOTAL				1,090	

ALL ITEMS ARE CATEGORY 0010 UNLESS OTHERWISE STATED

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REMOVING MANHOLES

STATION	TO	STATION	LOCATION	204.0210 EACH	COMMENT
15+50	-	19+73	WEBSTER AVE, NB	2	INCLUDES SIDEROAD
19+73	-	23+67	WEBSTER AVE, NB	2	INCLUDES SIDEROAD
23+67	-	27+56	WEBSTER AVE, NB	2	INCLUDES SIDEROAD
27+56	-	31+42	WEBSTER AVE, NB	3	INCLUDES SIDEROAD
32+19	-	35+97	WEBSTER AVE, NB	1	INCLUDES SIDEROAD
35+97	-	39+87	WEBSTER AVE, NB	2	INCLUDES SIDEROAD
39+87	-	43+78	WEBSTER AVE, NB	2	INCLUDES SIDEROAD
43+78	-	54+75	WEBSTER AVE, NB	6	INCLUDES SIDEROAD
TOTAL				20	

REMOVING INLETS

STATION	TO	STATION	LOCATION	204.0220 EACH	COMMENT
15+50	-	19+73	WEBSTER AVE, NB	5	INCLUDES SIDEROAD
19+73	-	23+67	WEBSTER AVE, NB	6	INCLUDES SIDEROAD
23+67	-	27+56	WEBSTER AVE, NB	10	INCLUDES SIDEROAD
27+56	-	31+42	WEBSTER AVE, NB	4	INCLUDES SIDEROAD
32+19	-	35+97	WEBSTER AVE, NB	3	INCLUDES SIDEROAD
35+97	-	39+87	WEBSTER AVE, NB	6	INCLUDES SIDEROAD
39+87	-	43+78	WEBSTER AVE, NB	4	INCLUDES SIDEROAD
43+78	-	54+75	WEBSTER AVE, NB	17	INCLUDES SIDEROAD
TOTAL				55	

REMOVING STORM SEWER

STATION	TO	STATION	LOCATION	204.0245.01 8-INCH TO 12-INCH LF	204.0245.02 15-INCH LF	204.0245.03 18-INCH LF	204.0245.04 21-INCH LF	204.0245.05 24-INCH LF	204.0245.06 30-INCH LF	204.0245.07 48-INCH LF	COMMENT
15+50	-	19+73	WEBSTER AVE, NB	160	125	-	-	-	-	260	INCLUDES SIDEROAD
19+73	-	23+67	WEBSTER AVE, NB	250	-	-	-	100	395	-	INCLUDES SIDEROAD
23+67	-	27+56	WEBSTER AVE, NB	390	-	355	-	-	40	-	INCLUDES SIDEROAD
27+56	-	31+42	WEBSTER AVE, NB	340	360	10	-	-	-	-	INCLUDES SIDEROAD
32+19	-	35+97	WEBSTER AVE, NB	400	-	-	-	-	-	-	INCLUDES SIDEROAD
35+97	-	39+87	WEBSTER AVE, NB	485	80	-	-	-	-	-	INCLUDES SIDEROAD
39+87	-	43+78	WEBSTER AVE, NB	400	-	-	-	-	-	-	INCLUDES SIDEROAD
43+78	-	54+75	WEBSTER AVE, NB	655	170	175	80	145	-	-	INCLUDES SIDEROAD
TOTALS				3,080	735	540	80	245	435	260	

ABANDONING STORM SEWER

STATION	TO	STATION	LOCATION	SPV.0090.12 12-INCH LF	SPV.0090.13 21-INCH LF
43+78	-	54+75	WEBSTER AVE, NB	120	76
TOTALS				120	76

SEALING PIPES

STATION	LOCATION	204.0280 EACH	COMMENT
UNDISTRIBUTED	WEBSTER AVE, NB	10	FOR ABANDONED LATERALS FROM FORMER HOUSE LOTS.
TOTAL		10	

ALL ITEMS ARE CATEGORY 0010 UNLESS OTHERWISE STATED

EARTHWORK SUMMARY

Division	From/To Station	Location	Common Excavation (1) (item # 205.0100)		Unexpanded Fill	Expanded Fill (13)	Mass Ordinate +/- (14)	Waste	Comment:
			Cut	EBS Excavation (3)		Factor 1.30			
1.00	10+13.86 - 54+75	WEBSTER AVE	26,756	0	408	530	26,226	26,226	
	8+92.5 - 10+83	UNIVERSITY AVENUE	339	0	1	1	338	338	
	9+00 - 10+75	HARVEY STREET	93	0	2	3	90	90	
	9+10 - 10+75	DAY STREET	341	0	2	3	338	338	
	9+15 - 10+53	SMITH STREET	19	0	0	0	19	19	
	8+75 - 11+20	EB EASTMAN STREET	132	0	28	36	96	96	
	8+85 - 11+00	WB EASTMAN STREET	100	0	15	20	81	81	
	9+00 - 10+52	REBER STREET	135	0	2	2	133	133	
	9+95 - 10+85	BERNER STREET	189	0	0	0	189	189	
	8+90-10+54	KLAUS STREET	254	0	0	0	254	254	
	10+55 - 11+14	VANDERBRAAK STREET	245	0	0	0	245	245	
	UNDISTRIBUTED		0	607	0	0	0	0	
Division 1 Total			28,603	607	458	595	28,008	28,008	
		Total Common Exc		29,210					

1) Common Excavation is the sum of the Cut and EBS Excavation columns. Item number 205.0100
3) EBS Excavation to be backfilled with Base Aggregate Dense 3-Inch (Item 305.0130) as direct by Engineer in the field.
13) Expanded Fill. Factor = 1.3 Expanded Fill = Unexpanded Fill * Fill Factor
14) The Mass Ordinate + or - Qty calculated for the section. Plus quantity indicates an excess of material within the Division. Minus indicates a shortage of material within the section.

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ALL ITEMS ARE CATEGORY 0010 UNLESS OTHERWISE STATED

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BASE AGGREGATE DENSE AND WATER

STATION	TO	STATION	LOCATION	305.0110 3/4-INCH TON	305.0120 1 1/4-INCH TON	305.0130 3-INCH TON	624.0100 WATER MGAL
10+13.86	-	15+50	WEBSTER AVE, NB	10	1,815	1,780	36.0
15+50	-	19+73	WEBSTER AVE, NB	-	1,529	1,617	31.4
19+73	-	23+67	WEBSTER AVE, NB	-	1,415	1,399	28.1
23+67	-	27+56	WEBSTER AVE, NB	-	1,360	1,387	27.5
27+56	-	31+42	WEBSTER AVE, NB	-	1,355	1,369	27.2
31+42	-	32+19	WEBSTER AVE, NB	-	190	350	5.4
32+19	-	35+97	WEBSTER AVE, NB	-	1,310	1,317	26.3
35+97	-	39+87	WEBSTER AVE, NB	-	1,352	1,387	27.4
39+87	-	43+78	WEBSTER AVE, NB	-	1,308	1,387	26.9
43+78	-	54+75	WEBSTER AVE, NB	-	3,825	3,945	77.7
8+92.5	-	9+58	UNIVERSITY AVE, EB	-	166	206	3.7
10+30	-	10+83	UNIVERSITY AVE, EB	-	169	202	3.7
9+00	-	9+46	HARVEY ST	-	73	51	1.2
10+30	-	10+75	HARVEY ST	-	90	51	1.4
9+10	-	9+46	DAY ST	-	74	83	1.6
10+30	-	10+75	DAY ST	-	73	51	1.2
9+15	-	9+46	SMITH ST	-	67	73	1.4
10+30	-	10+53	SMITH ST	-	71	71	1.4
8+75	-	9+46	EASTMAN AVE, EB	-	97	39	1.3
10+30	-	11+20	EASTMAN AVE, EB	-	121	38	1.6
8+85	-	8+46	EASTMAN AVE, WB	-	74	37	1.1
10+30	-	11+00	EASTMAN AVE, WB	-	87	36	1.2
9+00	-	9+46	REBER ST	-	90	55	1.4
10+30	-	10+52	REBER ST	-	103	55	1.6
8+95	-	9+46	BERNER ST	-	97	54	1.5
10+30	-	10+85	BERNER ST	-	108	120	2.3
8+90	-	9+46	KLAUS ST	-	129	152	2.8
10+30	-	10+54	KLAUS ST	-	121	58	1.8
10+55	-	11+14	VANDERBRAAK ST	-	166	-	1.7
			ALLEY TURN AROUNDS	-	750	-	7.5
UNDISTRIBUTED			EBS	-	-	130	
ENTIRE PROJECT			DUST CONTROL	-	-	-	102.7
TOTALS				10	18,185	17,500	458

NOTE: BASE AGGREATE DENSE FOR SIDEWALK AND RAMPS ARE SHOWN WITH ROADS ABOVE

ALL ITEMS ARE CATEGORY 0010 UNLESS OTHERWISE STATED

CONCRETE PAVEMENT

STATION	TO	STATION	LOCATION	415.0085 CONCRETE PAVEMENT 8.5-INCH SY	415.0210 CONCRETE PAVEMENT GAPS EACH	415.1085 CONCRETE PAVEMENT HES 8.5-INCH SY	415.4100 CONCRETE JOINT FILLING SY	416.0610* DRILLED TIE BARS EACH	416.0620 DRILLED DOWEL BARS EACH	COMMENT
										GAP AT CLINIC DRIVEWAY
10+13.86	-	15+50	WEBSTER AVE, NB	2,566	1	525	3,367	-	-	GAP AT FIRE DEPT DRIVEWAY
15+50	-	19+73	WEBSTER AVE, NB	2320	1	525	3,060	-	-	
19+73	-	23+67	WEBSTER AVE, NB	2396	-	-	2,608	-	-	
23+67	-	27+56	WEBSTER AVE, NB	2376	-	-	2,585	-	-	
27+56	-	31+42	WEBSTER AVE, NB	2242	-	-	2,465	-	-	
31+42	-	32+19	WEBSTER AVE, NB	95	-	-	99	-	-	
32+19	-	35+97	WEBSTER AVE, NB	2214	-	-	2,425	-	-	
35+97	-	39+87	WEBSTER AVE, NB	2377	-	-	2,586	-	-	
39+87	-	43+78	WEBSTER AVE, NB	2379	-	-	2,587	-	-	
43+78	-	54+75	WEBSTER AVE, NB	6714	-	150	7,441	42	66	
8+92.5	-	9+58	UNIVERSITY AVE, EB	-	-	470	506	-	40	
10+30	-	10+83	UNIVERSITY AVE, EB	-	-	490	524	-	40	
9+24	-	9+51	HARVEY ST	115	-	-	-	-	-	
10+25	-	10+52	HARVEY ST	115	-	-	-	-	-	
9+10	-	9+51	DAY ST	174	-	-	-	-	24	
10+25	-	10+52	DAY ST	115	-	-	133	-	-	
9+15	-	9+51	SMITH ST	156	-	-	178	-	24	
10+25	-	10+52	SMITH ST	126	-	-	144	-	-	
9+24	-	9+51	EASTMAN AVE, EB	80	-	-	95	-	-	
10+25	-	10+52	EASTMAN AVE, EB	79	-	-	94	-	-	
9+24	-	9+51	EASTMAN AVE, WB	48	-	-	61	-	-	
10+25	-	10+52	EASTMAN AVE, WB	44	-	-	57	-	-	
9+24	-	9+51	REBER ST	125	-	-	143	-	-	
10+25	-	10+52	REBER ST	126	-	-	144	-	-	
9+24	-	9+51	BERNER ST	125	-	-	143	-	-	
10+25	-	10+85	BERNER ST	235	-	-	267	-	24	
8+90	-	9+51	KLAUS ST	310	-	-	343	-	24	
10+25	-	10+54	KLAUS ST	128	-	-	146	-	-	
TOTALS				27,780	2	2,160	32,200	42	242	

* QUANTITIES SHOWN ELSEWHERE

COLORING CONCRETE CUSTOM

CATEGORY	STATION	TO	STATION	LOCATION	405.0200 CY	COMMENT
0020						
	10+13.86	-	15+50	WEBSTER AVE, NB	19	CROSSWALK
	15+50	-	19+73	WEBSTER AVE, NB	38	CROSSWALK
	19+73	-	23+67	WEBSTER AVE, NB	35	CROSSWALK
	23+67	-	27+56	WEBSTER AVE, NB	36	CROSSWALK
	27+56	-	31+42	WEBSTER AVE, NB	31	CROSSWALK
	32+19	-	35+97	WEBSTER AVE, NB	30	CROSSWALK
	35+97	-	39+87	WEBSTER AVE, NB	36	CROSSWALK
	39+87	-	43+78	WEBSTER AVE, NB	37	CROSSWALK
	43+78	-	54+75	WEBSTER AVE, NB	41	CROSSWALK
	8+92.5	-	9+58	UNIVERSITY AVE, EB	15	CROSSWALK
	10+30	-	10+83	UNIVERSITY AVE, EB	20	CROSSWALK
				TOTAL	338	

CONCRETE SIDEWALK AND DRIVEWAY

CATEGORY	STATION	TO	STATION	LOCATION	416.0160 DRIVEWAY 6-INCH SY	416.0180 DRIVEWAY 8-INCH SY	416.0280 DRIVEWAY HES 8-INCH SY	602.0405 SIDEWALK 4-INCH SF	SPV.0165.01 SIDEWALK 8-INCH SF	602.0515 CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA SF	602.0615 CURB RAMP DETECTABLE WARNING FIELD RADIAL NATURAL PATINA SF	COMMENT
0010												
	10+13.86	-	15+50	WEBSTER AVE, NB	-	135	43	7,368	516	30	-	HES FOR CLINIC DRIVEWAY
	15+50	-	19+73	WEBSTER AVE, NB	-	-	42	1,168	612	80	-	HES FOR FIRE DEPT DRIVEWAY
	19+73	-	23+67	WEBSTER AVE, NB	51	20	-	2,200	554	90	-	
	23+67	-	27+56	WEBSTER AVE, NB	55	21	-	200	657	80	-	
	27+56	-	31+42	WEBSTER AVE, NB	37	20	-	442	740	100	-	
	31+42	-	32+19	WEBSTER AVE, NB	-	-	-	-	378	90	-	
	32+19	-	35+97	WEBSTER AVE, NB	37	23	-	640	691	110	-	
	35+97	-	39+87	WEBSTER AVE, NB	34	22	-	100	714	80	-	
	39+87	-	43+78	WEBSTER AVE, NB	-	24	-	149	716	80	-	
	43+78	-	54+75	WEBSTER AVE, NB	-	-	-	805	1,057	50	25	
	8+92.5	-	9+58	UNIVERSITY AVE, EB	-	-	-	175	-	-	-	
	10+30	-	10+83	UNIVERSITY AVE, EB	-	-	-	177	-	-	-	
	9+00	-	9+46	HARVEY ST	-	-	-	162	-	-	-	
	10+30	-	10+75	HARVEY ST	39	-	-	99	-	-	-	
	9+10	-	9+46	DAY ST	-	-	-	100	-	-	-	
	10+30	-	10+75	DAY ST	-	-	-	176	-	-	-	
	9+15	-	9+46	SMITH ST	-	-	-	100	-	-	-	
	10+30	-	10+60	SMITH ST	-	-	-	125	-	-	-	
	8+75	-	9+46	EASTMAN AVE, EB	-	-	-	265	-	-	-	
	10+30	-	11+20	EASTMAN AVE, EB	-	-	-	363	-	-	-	
	8+85	-	8+46	EASTMAN AVE, WB	-	-	-	-	-	-	-	
	10+30	-	11+00	EASTMAN AVE, WB	-	-	-	265	-	-	-	
	9+00	-	9+46	REBER ST	-	-	-	100	-	-	-	
	10+30	-	10+52	REBER ST	9	-	-	155	-	-	-	
	8+95	-	9+46	BERNER ST	-	-	-	-	-	-	-	
	10+30	-	10+85	BERNER ST	20	-	-	201	-	-	-	
	8+90	-	9+46	KLAUS ST	-	-	-	235	-	-	-	
	10+30	-	10+54	KLAUS ST	18	-	-	210	-	-	-	
	10+55	-	11+14	VANDERBRAAK ST	-	-	-	60	-	-	-	
				UNDISTRIBUTED	-	-	-	500	-	-	-	
	CATEGORY TOTAL				300	265	85	16,540	6,635	790	25	
0020												
				UNDISTRIBUTED	-	-	-	500	-	-	-	UTILITY DISTURBED SIDEWALK
				UNDISTRIBUTED	-	-	-	750	-	-	-	MATCH INTO EXISTING NON ADA SIDEWALK
	CATEGORY TOTAL				0	0	0	1,250	0	0	0	
	TOTALS				300	265	85	17,790	6,635	790	25	

ALL ITEMS ARE CATEGORY 0010 UNLESS OTHERWISE STATED

CONCRETE SURFACE DRAINS

STATION	TO	STATION	LOCATION	416.1010 CONCRETE SURFACE DRAINS CY	606.0200 RIPRAP MEDIUM CY	628.2037 EROSION MAT CLASS I TYPE B SY	628.2037 EROSION MAT CLASS III TYPE C SY	645.0120 GEOTEXTILE TYPE HR SY
19+73	-	23+67	WEBSTER AVE, NB	8	2	10	10	4
23+67	-	27+56	WEBSTER AVE, NB	8	2	10	10	4
27+56	-	31+42	WEBSTER AVE, NB	8	2	10	10	4
32+19	-	35+97	WEBSTER AVE, NB	8	2	10	10	4
35+97	-	39+87	WEBSTER AVE, NB	8	2	10	10	4
39+87	-	43+78	WEBSTER AVE, NB	8	2	10	10	4
43+78	-	54+75	WEBSTER AVE, NB	28	7	35	35	14
TOTAL				76	19	95	95	38

ASPHALTIC SURFACE TEMPORARY

LOCATION	465.0125 TON
STORM TRENCH STAGE 1B	50
STAGE 1B NORTH CROSS OVER	225
STAGE 1B RAILROAD CONNECTION	200
STORM TRENCH STAGE 2	50
STAGE 2 CROSS OVER	100
TOTAL	575

NOTES:
- WHERE TRAFFIC IS MAINTAINED ON SIDEROAD PATCH STORM SEWER TRENCH

ASPHALTIC PAVEMENT

STATION	TO	STATION	LOCATION	455.0605 TACK COAT GAL	460.5224 HMA PAVEMENT 4 LT 58-28 S TON	460.6223 HMA PAVEMENT 3 MT 58-28 S TON	460.6224 HMA PAVEMENT 4 MT 58-28 S TON	450.4000 HMA COLD WEATHER PAVING TON	465.0105 ASPHALTIC SURFACE TON	465.0120 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES TON
10+13.86	-	15+50	WEBSTER AVE, NB	-	-	-	-	-	63	16
15+50	-	19+73	WEBSTER AVE, NB	10	29	-	-	-	66	-
19+73	-	23+67	WEBSTER AVE, NB	13	36	-	-	-	65	-
23+67	-	27+56	WEBSTER AVE, NB	11	32	-	-	-	64	-
27+56	-	31+42	WEBSTER AVE, NB	13	38	-	-	-	64	2
31+42	-	32+19	WEBSTER AVE, NB	29	-	120	45	40	0	-
32+19	-	35+97	WEBSTER AVE, NB	12	34	-	-	-	63	-
35+97	-	39+87	WEBSTER AVE, NB	11	31	-	-	-	64	-
39+87	-	43+78	WEBSTER AVE, NB	0	0	-	-	-	64	7
43+78	-	54+75	WEBSTER AVE, NB	9	26	-	-	-	212	9
9+00	-	9+24	HARVEY ST	6	15	-	-	-	-	-
10+52	-	10+75	HARVEY ST	5	14	-	-	-	-	-
10+52	-	10+75	DAY ST	5	15	-	-	-	-	-
10+52	-	10+60	SMITH ST	2	6	-	-	-	-	-
8+75	-	9+24	EASTMAN AVE, EB	9	24	-	-	-	-	-
10+52	-	11+20	EASTMAN AVE, EB	12	32	-	-	-	-	-
8+85	-	9+24	EASTMAN AVE, WB	7	19	-	-	-	-	-
10+52	-	11+05	EASTMAN AVE, WB	8	23	-	-	-	-	-
9+00	-	9+24	REBER ST	6	17	-	-	-	-	-
10+52	-	10+85	REBER ST	8	23	-	-	-	-	-
8+95	-	9+24	BERNER ST	8	21	-	-	-	-	-
8+90	-	9+24	KLAUS ST	10	29	-	-	-	-	3
10+52	-	10+95	KLAUS ST	10	29	-	-	-	-	-
10+55	-	11+14	VANDERBRAAK ST	31	88	-	-	-	-	8
			ALLEY TURN AROUNDS	70	199	-	-	-	-	-
TOTALS				305	780	120	45	40	725	45

ALL ITEMS ARE CATEGORY 0010 UNLESS OTHERWISE STATED

CONCRETE CURB AND GUTTER

STATION	TO	STATION	LOCATION	601.0411 30-INCH TYPE D LF	601.0452 INTEGRAL 30-INCH TYPE D LF	SPV.0090.01 18-INCH TYPE A SPECIAL LF	SPV.0090.14 18-INCH TYPE D SPECIAL LF	SPV.0090.02 24-INCH TYPE D LF	SPV.0090.03 INTEGRAL HES 30-INCH TYPE D LF	416.0610 * DRILLED TIE BARS EACH	COMMENT
10+13.86	-	15+50	WEBSTER AVE, NB	-	905	670	-	-	-	-	
15+50	-	19+73	WEBSTER AVE, NB	-	626	681	-	-	-	-	
19+73	-	23+67	WEBSTER AVE, NB	-	625	660	-	-	-	-	
23+67	-	27+56	WEBSTER AVE, NB	-	613	652	-	-	-	-	
27+56	-	31+42	WEBSTER AVE, NB	-	617	771	-	-	-	-	
31+42	-	32+19	WEBSTER AVE, NB	53	-	34	60	-	-	-	
32+19	-	35+97	WEBSTER AVE, NB	-	603	695	-	-	-	-	
35+97	-	39+87	WEBSTER AVE, NB	-	614	652	-	-	-	-	
39+87	-	43+78	WEBSTER AVE, NB	-	608	652	-	-	-	-	
43+78	-	54+75	WEBSTER AVE, NB	-	2261	2033	-	-	-	-	
8+92.5	-	9+58	UNIVERSITY AVE, EB	-	-	-	-	-	163	-	HES IN UNIVERSITY INTERSECTION
10+30	-	10+83	UNIVERSITY AVE, EB	-	-	-	-	-	152	-	HES IN UNIVERSITY INTERSECTION
9+24	-	9+51	HARVEY ST	-	80	-	-	50	-	4	
10+25	-	10+52	HARVEY ST	-	80	-	-	46	-	4	
9+10	-	9+51	DAY ST	-	108	-	-	-	-	-	
10+25	-	10+52	DAY ST	-	80	-	-	46	-	4	
9+15	-	9+51	SMITH ST	-	98	-	-	-	-	-	
10+25	-	10+52	SMITH ST	-	80	-	-	18	-	4	
9+24	-	9+51	EASTMAN AVE, EB	-	68	-	-	98	-	4	
10+25	-	10+52	EASTMAN AVE, EB	-	68	-	-	136	-	4	
9+24	-	9+51	EASTMAN AVE, WB	-	60	-	-	78	-	4	
10+25	-	10+52	EASTMAN AVE, WB	-	60	-	-	106	-	4	
9+24	-	9+51	REBER ST	-	80	-	-	50	-	4	
10+25	-	10+52	REBER ST	-	80	-	-	66	-	4	
9+24	-	9+51	BERNER ST	-	80	-	-	66	-	4	
10+25	-	10+85	BERNER ST	-	146	-	-	-	-	-	
8+90	-	9+51	KLAUS ST	-	147	-	-	-	-	-	
10+25	-	10+54	KLAUS ST	-	83	-	-	84	-	4	
10+55	-	11+14	VANDERBRAAK	172	-	-	-	-	-	4	
TOTALS				225	8870	7500	60	844	315	52	

NOTE: SIDE ROAD CURB PAID FROM END OF RADIUS ON MAINLINE

* QUANTITIES SHOWN ELSEWHERE

SAFETY ISLAND

STATION	TO	STATION	LOCATION	602.2400 SF
8+92.5	-	9+58	UNIVERSITY AVE, EB	211
10+30	-	10+83	UNIVERSITY AVE, EB	134
TOTALS				345

ALL ITEMS ARE CATEGORY 0010 UNLESS OTHERWISE STATED

STORM SEWER PIPE

PIPES FROM	TO	LOCATION	SPV.0090.04 PVC 8-INCH LF	SPV.0090.05 PVC 10-INCH LF	SPV.0090.06 INLET LEAD 12-INCH LF	REINFORCED CONCRETE 608.0315 CLASS III 15-INCH LF	608.0324 CLASS III 24-INCH LF	608.0336 CLASS III 36-INCH LF	608.0342 CLASS III 42-INCH LF	608.0354 CLASS III 54-INCH LF	608.0412 CLASS IV 12-INCH LF	608.0418 CLASS IV 18-INCH LF	608.0424 CLASS IV 24-INCH LF	608.2319 CLASS HE-III 19x30-INCH LF	608.2324 CLASS HE-III 24x38-INCH LF	608.2329 CLASS HE-III 29x45-INCH LF	608.2334 CLASS HE-III 34x53-INCH LF	608.2419 CLASS HE-IV 19x30-INCH LF	608.2424 CLASS HE-IV 24x38-INCH LF	608.2429 CLASS HE-IV 29x45-INCH LF	520.8000 CONCRETE COLLARS FOR PIPE EACH
EX	3	WEBSTER AVE	-	-	-	-	-	-	-	-	45	-	-	-	-	-	-	-	-	-	1
3A	3	WEBSTER AVE	-	-	73.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	3	WEBSTER AVE	-	-	-	-	-	-	-	239	-	-	-	-	-	-	-	-	-	-	-
4A	TAP	WEBSTER AVE	-	-	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4B	TAP	WEBSTER AVE	-	-	5.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4C	TAP	WEBSTER AVE	-	-	32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4E	4D	WEBSTER AVE	-	-	33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EX	4D	WEBSTER AVE	-	-	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
4D	4	WEBSTER AVE	-	-	-	-	-	-	-	-	-	76	-	-	-	-	-	-	-	-	-
5	4	WEBSTER AVE	-	-	-	-	-	-	323	-	-	-	-	-	-	-	-	-	-	-	-
5A	TAP	WEBSTER AVE	-	-	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5B	TAP	WEBSTER AVE	-	-	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5C	5B	WEBSTER AVE	-	-	32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	5	WEBSTER AVE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	71	-	-	-	-
6A	TAP	WEBSTER AVE	-	-	44.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	6	WEBSTER AVE	-	-	-	-	-	-	-	-	-	-	-	-	-	296	-	-	-	104	-
7B	7	WEBSTER AVE	-	-	-	72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7A	7B	WEBSTER AVE	-	-	38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7C	7B	WEBSTER AVE	-	-	33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7D	INL	WEBSTER AVE	-	-	38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7G	INL	WEBSTER AVE	-	-	39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	7	WEBSTER AVE	-	-	-	-	336	-	-	-	-	-	25	-	-	-	-	-	-	-	-
EX	8	WEBSTER AVE	-	-	68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
9	10	WEBSTER AVE	-	-	-	-	-	-	-	-	-	-	-	320	-	-	-	39	-	-	-
10A	10	WEBSTER AVE	-	-	70.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10B	10A	WEBSTER AVE	-	-	33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10C	EX	WEBSTER AVE	-	-	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10D	10C	WEBSTER AVE	-	-	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	11	WEBSTER AVE	-	-	-	-	-	-	-	-	-	-	-	304	-	-	-	97	-	-	-
11A	11	WEBSTER AVE	-	-	70.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11B	11A	WEBSTER AVE	-	-	33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11C	EX	WEBSTER AVE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-1
11D	11C	WEBSTER AVE	-	-	32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	12	WEBSTER AVE	-	-	-	-	-	-	-	-	-	-	-	-	304	-	-	-	86	-	-
12A	12	WEBSTER AVE	-	-	68.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12B	12A	WEBSTER AVE	-	-	43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	13	WEBSTER AVE	-	-	-	-	-	-	-	-	-	-	-	-	112	-	-	-	22	-	-
13	14	WEBSTER AVE	-	-	-	-	-	-	-	-	-	-	-	-	88	-	-	-	-	-	-
14	51	WEBSTER AVE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	175	-	-
15	TAP	WEBSTER AVE	-	-	19.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ALL ITEMS ARE CATEGORY 0010 UNLESS OTHERWISE STATED

STORM SEWER PIPE (CONTINUNED)

PIPES FROM	PIPES TO	LOCATION	SPV.0090.04 PVC 8-INCH LF	SPV.0090.05 PVC 10-INCH LF	SPV.0090.06 INLET LEAD 12-INCH LF	REINFORCED CONCRETE 608.0315 CLASS III 15-INCH LF	608.0324 CLASS III 24-INCH LF	608.0336 CLASS III 36-INCH LF	608.0342 CLASS III 42-INCH LF	608.0354 CLASS III 54-INCH LF	608.0412 CLASS IV 12-INCH LF	608.0418 CLASS IV 18-INCH LF	608.0424 CLASS IV 24-INCH LF	608.2319 CLASS HE-III 19x30-INCH LF	608.2324 CLASS HE-III 24x38-INCH LF	608.2329 CLASS HE-III 29x45-INCH LF	608.2334 CLASS HE-III 34x53-INCH LF	608.2419 CLASS HE-IV 19x30-INCH LF	608.2424 CLASS HE-IV 24x38-INCH LF	608.2429 CLASS HE-IV 29x45-INCH LF	520.8000 CONCRETE COLLARS FOR PIPE EACH
51	16	WEBSTER AVE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	244	-
EX	16	WEBSTER AVE	-	-	-	-	-	-	-	-	49	-	-	-	-	-	-	-	-	-	1
16	17	WEBSTER AVE	-	-	-	-	-	-	-	-	-	-	-	-	-	177	-	-	-	-	-
EX	17	WEBSTER AVE	-	-	-	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
17	18	WEBSTER AVE	-	-	-	-	-	217	-	-	-	-	-	-	-	-	-	-	-	-	-
17A	17	WEBSTER AVE	-	-	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	EX	WEBSTER AVE	-	-	-	-	-	10	-	-	-	-	-	-	-	-	-	-	-	-	-
21	4	WEBSTER AVE	-	-	-	-	-	-	-	-	-	82	-	-	-	-	-	-	-	-	-
EX	21	WEBSTER AVE	-	-	-	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
21A	21	WEBSTER AVE	-	-	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21B	21	WEBSTER AVE	-	-	15.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21C	21B	WEBSTER AVE	-	-	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	TAP	WEBSTER AVE	-	-	5.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22B	22	WEBSTER AVE	-	-	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	TAP	WEBSTER AVE	-	-	70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	TAP	WEBSTER AVE	-	-	68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	6	WEBSTER AVE	-	-	-	-	71	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EX	25	WEBSTER AVE	-	-	-	-	-	-	-	-	-	-	10	-	-	-	-	-	-	-	1
25A	25	WEBSTER AVE	-	-	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25B	25A	WEBSTER AVE	-	-	51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25C	25	WEBSTER AVE	-	-	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25D	25C	WEBSTER AVE	-	-	47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	6	WEBSTER AVE	-	-	65.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26A	26	WEBSTER AVE	-	-	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26B	26	WEBSTER AVE	-	-	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	TAP	WEBSTER AVE	-	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27A	TAP	WEBSTER AVE	-	-	5.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27B	TAP	WEBSTER AVE	-	-	17.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	TAP	WEBSTER AVE	-	-	61.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	TAP	WEBSTER AVE	-	-	69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	TAP	WEBSTER AVE	-	-	6.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30A	TAP	WEBSTER AVE	-	-	5.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30B	TAP	WEBSTER AVE	-	-	17.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30C	30B	WEBSTER AVE	-	-	34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	TAP	WEBSTER AVE	-	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31A	TAP	WEBSTER AVE	-	-	5.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31B	TAP	WEBSTER AVE	-	-	17.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32	TAP	WEBSTER AVE	-	-	63.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
33	TAP	WEBSTER AVE	-	-	68.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
34	TAP	WEBSTER AVE	-	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ALL ITEMS ARE CATEGORY 0010 UNLESS OTHERWISE STATED

STORM SEWER PIPE (CONTINUED)

PIPES FROM	TO	LOCATION	SPV.0090.04 PVC 8-INCH LF	SPV.0090.05 PVC 10-INCH LF	SPV.0090.06 INLET LEAD 12-INCH LF	REINFORCED CONCRETE 608.0315 CLASS III 15-INCH LF	608.0324 CLASS III 24-INCH LF	608.0336 CLASS III 36-INCH LF	608.0342 CLASS III 42-INCH LF	608.0354 CLASS III 54-INCH LF	608.0412 CLASS IV 12-INCH LF	608.0418 CLASS IV 18-INCH LF	608.0424 CLASS IV 24-INCH LF	608.2319 CLASS HE-III 19x30-INCH LF	608.2324 CLASS HE-III 24x38-INCH LF	608.2329 CLASS HE-III 29x45-INCH LF	608.2334 CLASS HE-III 34x53-INCH LF	608.2419 CLASS HE-IV 19x30-INCH LF	608.2424 CLASS HE-IV 24x38-INCH LF	608.2429 CLASS HE-IV 29x45-INCH LF	520.8000 CONCRETE COLLARS FOR PIPE EACH
35	TAP	WEBSTER AVE	-	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EX W	35B	WEBSTER AVE	-	-	-	-	-	-	-	-	60	-	-	-	-	-	-	-	-	-	1
EX E	35B	WEBSTER AVE	-	-	-	-	-	-	-	-	93	-	-	-	-	-	-	-	-	-	1
36	TAP	WEBSTER AVE	-	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
36A	TAP	WEBSTER AVE	-	-	6.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
36B	TAP	WEBSTER AVE	-	-	16.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37	TAP	WEBSTER AVE	-	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37A	TAP	WEBSTER AVE	-	-	6.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37B	TAP	WEBSTER AVE	-	-	16.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
38	TAP	WEBSTER AVE	-	-	62.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
39	TAP	WEBSTER AVE	-	-	65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EX	39	WEBSTER AVE	-	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
40	TAP	WEBSTER AVE	-	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40A	TAP	WEBSTER AVE	-	-	6.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40B	TAP	WEBSTER AVE	-	-	16.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
41	TAP	WEBSTER AVE	-	-	63.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EX	41B	WEBSTER AVE	-	-	-	-	-	-	-	-	60.5	-	-	-	-	-	-	-	-	-	1
42	TAP	WEBSTER AVE	-	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
42A	TAP	WEBSTER AVE	-	-	6.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
42B	TAP	WEBSTER AVE	-	-	16.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
43	EX	WEBSTER AVE	-	-	-	-	-	-	-	-	9	-	-	-	-	-	-	-	-	-	-
43A	43	WEBSTER AVE	-	-	-	-	-	-	-	-	6.5	-	-	-	-	-	-	-	-	-	1
43B	43	WEBSTER AVE	-	-	-	-	-	-	-	-	26	-	-	-	-	-	-	-	-	-	-
44	TAP	WEBSTER AVE	-	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
44A	TAP	WEBSTER AVE	-	-	5.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
44B	TAP	WEBSTER AVE	-	-	17.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
45	TAP	WEBSTER AVE	-	-	88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EX	45	WEBSTER AVE	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
46	EX	WEBSTER AVE	-	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
47	51	WEBSTER AVE	-	-	-	-	-	-	-	-	-	-	71	-	-	-	-	-	-	-	-
EX	47	WEBSTER AVE	-	-	-	-	-	-	-	-	-	-	18	-	-	-	-	-	-	-	-
47A	47B	WEBSTER AVE	-	-	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
47B	TAP	WEBSTER AVE	-	-	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1	EX	WEBSTER AVE	-	-	-	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	1
48A	48	WEBSTER AVE	-	-	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
49	TAP	WEBSTER AVE	-	-	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50	TAP	WEBSTER AVE	-	-	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50A	TAP	WEBSTER AVE	-	-	5.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50E	50B	WEBSTER AVE	-	-	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50B	50E	WEBSTER AVE	-	-	28.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EX	50B	WEBSTER AVE	-	-	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
52	TAP	WEBSTER AVE	-	-	45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTALS			5	124	2406	148	413	227	323	239	349	158	124	624	504	473	71	136	283	348	13

ALL ITEMS ARE CATEGORY 0010 UNLESS OTHERWISE STATED

STORM SEWER STRUCTURES AND COVERS

STR. NO.	SPV.0060.01 MANHOLE COVERS TYPE GB-J EACH	SPV.0060.02 INLET COVERS TYPE GB-H EACH	SPV.0060.03 INLET COVERS TYPE GB-C EACH	SPV.0060.04 INLET COVERS TYPE GB-CSH EACH	SPV.0060.05 INLETS GB 2X3-FT EACH	SPV.0060.06 INLETS GB 2.5-FT EACH	SPV.0060.07 INLETS GB 4-FT EACH	SPV.0060.08 INLETS GB 5-FT EACH	SPV.0060.09 INLETS GB 7-FT EACH	SPV.0060.10 INLETS GB 4 x 6-FT EACH	SPV.0060.11 MANHOLES GB 4-FT EACH	SPV.0060.12 MANHOLES GB 5-FT EACH	SPV.0060.13 MANHOLES GB 6-FT EACH	SPV.0060.14 MANHOLES GB 7-FT EACH	SPV.0060.15 MANHOLES GB 8-FT EACH	SPV.0060.26 BACKFLOW PREVENTOR 10-INCH EACH	SPV.0060.37 CONCRETE INLET BOTTOM SMITH STREET
3A	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-
4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
4A	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
4B	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
4C	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
4D	1	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
4E	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
5	-	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-
5A	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
5B	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
5C	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
6	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
7	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
7A	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
7B	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
7C	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
7D	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
7G	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
8	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
9	1	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
10	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
10A	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
10B	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
10C	1	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
10D	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
11	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
11A	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
11B	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
11C	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
11D	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
12	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
12A	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
12B	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
13	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
14	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
15	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-
16	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
17	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
17A	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
18	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
21	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
21A	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
21B	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
21C	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-

ALL ITEMS ARE CATEGORY 0010 UNLESS OTHERWISE STATED

STORM SEWER STRUCTURES AND COVERS (CONTINUED)

STR. NO.	SPV.0060.01 MANHOLE COVERS TYPE GB-J EACH	SPV.0060.02 INLET COVERS TYPE GB-H EACH	SPV.0060.03 INLET COVERS TYPE GB-C EACH	SPV.0060.04 INLET COVERS TYPE GB-CSH EACH	SPV.0060.05 INLETS GB 2X3-FT EACH	SPV.0060.06 INLETS GB 2.5-FT EACH	SPV.0060.07 INLETS GB 4-FT EACH	SPV.0060.08 INLETS GB 5-FT EACH	SPV.0060.09 INLETS GB 7-FT EACH	SPV.0060.10 INLETS GB 4 x 6-FT EACH	SPV.0060.11 MANHOLES GB 4-FT EACH	SPV.0060.12 MANHOLES GB 5-FT EACH	SPV.0060.13 MANHOLES GB 6-FT EACH	SPV.0060.14 MANHOLES GB 7-FT EACH	SPV.0060.15 MANHOLES GB 8-FT EACH	SPV.0060.26 BACKFLOW PREVENTOR 10-INCH EACH	SPV.0060.37 CONCRETE INLET BOTTOM SMITH STREET
22	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-
22B	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-
24	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-
25	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
25A	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
25B	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
25C	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
25D	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
26	1	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
26A	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
26B	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-
27A	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
27B	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-
29	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-
30A	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
30B	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
30C	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
31	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-
31A	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
31B	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
32	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-
33	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-
34	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	1	-
35	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	1	-
36	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-
36A	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
36B	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
37	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-
37A	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
37B	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
38	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-
39	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-
40	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-
40A	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
40B	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
41	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-
42	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-
42A	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
42B	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
43	1	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
43A	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-

ALL ITEMS ARE CATEGORY 0010 UNLESS OTHERWISE STATED

STORM SEWER STRUCTURES AND COVERS (CONTINUED)

STR. NO.	SPV.0060.01 MANHOLE COVERS TYPE GB-J EACH	SPV.0060.02 INLET COVERS TYPE GB-H EACH	SPV.0060.03 INLET COVERS TYPE GB-C EACH	SPV.0060.04 INLET COVERS TYPE GB-CSH EACH	SPV.0060.05 INLETS GB 2X3-FT EACH	SPV.0060.06 INLETS GB 2.5-FT EACH	SPV.0060.07 INLETS GB 4-FT EACH	SPV.0060.08 INLETS GB 5-FT EACH	SPV.0060.09 INLETS GB 7-FT EACH	SPV.0060.10 INLETS GB 4 x 6-FT EACH	SPV.0060.11 MANHOLES GB 4-FT EACH	SPV.0060.12 MANHOLES GB 5-FT EACH	SPV.0060.13 MANHOLES GB 6-FT EACH	SPV.0060.14 MANHOLES GB 7-FT EACH	SPV.0060.15 MANHOLES GB 8-FT EACH	SPV.0060.26 BACKFLOW PREVENTOR 10-INCH EACH	SPV.0060.37 CONCRETE INLET BOTTOM SMITH STREET
43B	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
44	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-
44A	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
44B	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
45	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-
46	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-
47	1	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
47A	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
47B	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
48	1	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
48A	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
49	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-
50	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-
50A	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
50B	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
50E	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
51	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
52	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
7F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
7E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
TOTALS	22	61	24	3	58	24	2	1	1	2	5	4	5	2	4	2	2

TEMPORARY STORM SEWER CONNECTION

STATION	LOCATION	SPV.0060.27 EACH
36+07	WEBSTER AVE, LT	1
40+04	WEBSTER AVE, LT	1
43+88	WEBSTER AVE, LT	1
47+85	WEBSTER AVE, LT	1
52+12	WEBSTER AVE, LT	1
52+70	WEBSTER AVE, LT	1
TOTAL		6

COVER PLATE TEMPORARY

STR. NO.	LOCATION	611.8120.S EACH
17	WEBSTER AVE, NB, LT	1
50A	WEBSTER AVE, NB, LT	1
TOTAL		2

STORM SEWER INLET AND MANHOLE COVERS

STR. NO.	LOCATION	SPV.0060.28 INSTALL INLET COVERS EACH	SPV.0060.30 ADJUSTING STORM SEWER MANHOLE COVERS EACH	SPV.0060.31 ADJUSTING INLET COVERS EACH
1	WEBSTER AVE, NB, RT	-	1	-
1A	WEBSTER AVE, NB, RT	1	-	-
1B	WEBSTER AVE, NB, LT	1	-	-
1C	WEBSTER AVE, NB, RT	1	-	-
1E	WEBSTER AVE, NB, LT	-	1	-
1F	WEBSTER AVE, NB, LT	1	-	-
2	WEBSTER AVE, NB, LT	-	1	-
2A	WEBSTER AVE, NB, RT	1	-	-
2B	WEBSTER AVE, NB, RT	1	-	-
2C	WEBSTER AVE, NB, LT	1	-	-
2D	WEBSTER AVE, NB, LT	1	-	-
3	WEBSTER AVE, NB, LT	-	1	-
19	WEBSTER AVE, NB, RT	-	1	-
7E	DAY ST, LT	-	-	1
7F	DAY ST, RT	-	-	1
TOTAL		8	5	2

MINI STORM SEWER

CATEGORY	PIPES FROM	TO	LOCATION	SPV.0090.09 MINI-STORM 6-INCH LF	SPV.0090.10 MINI-STORM 8-INCH LF
0020	21A	EX	HARVEY ST	10	-
0020	25A	EX	DAY ST	10	-
0020	25C	EX	DAY ST	10	-
0020	26A	EX	DAY ST	-	10
	TOTALS			30	10

PIPE BED AGGREGATE

LOCATION	645.0130 GEOTEXTILE TYPE R SY	SPV.0195.02 1.5-INCH STONE CRADLE STORM SEWER TON	SPV.0195.03 3-INCH STONE CRADLE STORM SEWER TON	SPV.0195.04 SEWER STABILIZATION AGGREGATE TON
UNDISTRIBUTED	100	100	100	100
TOTAL	100	100	100	100

ALL ITEMS ARE CATEGORY 0010 UNLESS OTHERWISE STATED

STORM SEWER LATERALS

STATION	LAT #	LOCATION	SPV.0090.07 6-INCH LF	SPV.0090.08 12-INCH LF
18+34	9	WEBSTER AVE, NB, LT	40	-
20+60	11	WEBSTER AVE, NB, LT	40	-
21+17	12	WEBSTER AVE, NB, LT	41	-
21+34	13	WEBSTER AVE, NB, LT	41	-
22+20	14	WEBSTER AVE, NB, LT	43	-
22+45	15	WEBSTER AVE, NB, LT	43	-
22+70	16	WEBSTER AVE, NB, LT	44	-
24+36	17	WEBSTER AVE, NB, LT	50	-
25+25	18	WEBSTER AVE, NB, LT	51	-
25+73	19	WEBSTER AVE, NB, LT	51	-
26+88	20	WEBSTER AVE, NB, LT	51	-
28+26	21	WEBSTER AVE, NB, LT	51	-
30+10	22	WEBSTER AVE, NB, LT	51	-
30+28	23	WEBSTER AVE, NB, LT	51	-
30+87	24	WEBSTER AVE, NB, LT	51	-
32+57	25	WEBSTER AVE, NB, LT	51	-
33+21	26	WEBSTER AVE, NB, LT	50	-
33+80	27	WEBSTER AVE, NB, LT	50	-
34+93	29	WEBSTER AVE, NB, LT	50	-
35+56	30	WEBSTER AVE, NB, LT	50	-
36+38	31	WEBSTER AVE, NB, LT	50	-
36+93	32	WEBSTER AVE, NB, LT	50	-
38+32	33	WEBSTER AVE, NB, LT	50	-
39+19	34	WEBSTER AVE, NB, LT	50	-
40+97	35	WEBSTER AVE, NB, LT	-	50
44+40	37	WEBSTER AVE, NB, LT	-	50
	TOTALS		1,150	100

PIPE UNDERDRAIN

STRUCTURE NO.	STATION	LOCATION	612.0406 PIPE UNDERDRAIN 6-INCH LF
4A	19+00	WEBSTER AVE, NB, LT	12
4B	19+00	WEBSTER AVE, NB, LT	12
4C	19+31	WEBSTER AVE, NB, LT	12
4D	9+07	HARVEY ST, RT	12
4E	9+07	HARVEY ST, LT	12
5A	23+03	WEBSTER AVE, NB, LT	12
5B	23+03	WEBSTER AVE, NB, LT	12
5C	23+20	WEBSTER AVE, NB, LT	12
6A	24+10	WEBSTER AVE, NB, LT	12
7A	28+00	WEBSTER AVE, NB, LT	12
7B	9+22	SMITH ST, LT	12
7C	9+23	SMITH ST, RT	12
7D	28+00	WEBSTER AVE, NB, RT	12
7G	27+12	WEBSTER AVE, NB, RT	12
10A	9+23	REBER ST, LT	12
10B	9+22	REBER ST, RT	12
10C	36+12	WEBSTER AVE, NB, RT	12
10D	35+81	WEBSTER AVE, NB, RT	12
11A	9+23	BERNER ST, LT	12
11B	9+22	BERNER ST, RT	12
11C	10+54	BERNER ST, LT	12
11D	10+53	BERNER ST, RT	12
12A	9+24	KLAUS ST, LT	12
12B	9+22	KLAUS ST, RT	12
17A	52+25	WEBSTER AVE, NB, RT	12
21A	10+70	HARVEY ST, LT	12
21B	10+56	HARVEY ST, RT	12
21C	19+32	WEBSTER AVE, RT	12
22B	20+40	WEBSTER AVE, LT	12
25A	10+65	DAY ST, RT	12
25B	23+19	WEBSTER AVE, RT	12
25C	10+65	DAY ST, LT	12
25D	24+09	WEBSTER AVE, NB, RT	12
26A	9+22	DAY ST, RT	12
26B	9+23	DAY ST, LT	12
27A	24+68	WEBSTER AVE, NB, LT	12
27B	24+68	WEBSTER AVE, NB, LT	12
30A	26+92	WEBSTER AVE, NB, LT	12
30B	26+92	WEBSTER AVE, NB, LT	12
30C	27+13	WEBSTER AVE, NB, LT	12
31A	28+21	WEBSTER AVE, NB, LT	12
31B	28+21	WEBSTER AVE, NB, LT	12
36A	35+32	WEBSTER AVE, NB, LT	12
36B	35+32	WEBSTER AVE, NB, LT	12
37A	36+62	WEBSTER AVE, NB, LT	12

PIPE UNDERDRAIN WRAPPED 6-INCH (CONTINUED)

STRUCTURE NO.	STATION	LOCATION	612.0406 PIPE UNDERDRAIN 6-INCH LF
37B	36+62	WEBSTER AVE, NB, LT	12
40A	39+23	WEBSTER AVE, NB, LT	12
40B	39+23	WEBSTER AVE, NB, LT	12
42A	43+13	WEBSTER AVE, NB, LT	12
42B	43+13	WEBSTER AVE, NB, LT	12
43A	10+55	KLAUS ST, LT	12
43B	10+55	KLAUS ST, RT	12
44A	44+45	WEBSTER AVE, NB, LT	12
44B	44+45	WEBSTER AVE, NB, LT	12
47A	47+71	WEBSTER AVE, NB, LT	12
47B	47+78	WEBSTER AVE, NB, LT	12
48A	10+57	VANDERBRAAK ST, RT	12
50A	53+26	WEBSTER AVE, NB, LT	12
50B	53+23	WEBSTER AVE, NB, LT	12
50E	53+25	WEBSTER AVE, NB, LT	12
52	20+15	WEBSTER AVE, NB, RT	12
TOTAL			720

ALL ITEMS ARE CATEGORY 0010 UNLESS OTHERWISE STATED

STORM SEWER TAP

FROM	TO	LOCATION	SPV.0060.16 24X10-INCH EACH	SPV.0060.17 24X12-INCH EACH	SPV.0060.18 36X12-INCH EACH	SPV.0060.19 42X12-INCH EACH	SPV.0060.20 54X12-INCH EACH	SPV.0060.21 (19X30)X10-INCH EACH	SPV.0060.22 (19X30)X12-INCH EACH	SPV.0060.23 (24X38)X12-INCH EACH	SPV.0060.24 (29X45)X12-INCH EACH	SPV.0060.25 (34X53)X12-INCH EACH	SPV.0060.36 INLET EACH
4A	4F	WEBSTER AVE	-	-	-	-	1	-	-	-	-	-	-
4B	4F	WEBSTER AVE	-	-	-	-	1	-	-	-	-	-	-
4C	4G	WEBSTER AVE	-	-	-	-	1	-	-	-	-	-	-
5A	5E	WEBSTER AVE	-	-	-	-	-	-	-	-	-	1	-
5B	5D	WEBSTER AVE	-	-	-	-	-	-	-	-	-	1	-
6A	6B	WEBSTER AVE	-	-	-	-	-	-	-	-	1	-	-
15	15A	WEBSTER AVE	-	-	-	-	-	-	-	1	-	-	-
22	22A	WEBSTER AVE	-	-	-	1	-	-	-	-	-	-	-
23	24A	WEBSTER AVE	-	-	-	1	-	-	-	-	-	-	-
24	24A	WEBSTER AVE	-	-	-	1	-	-	-	-	-	-	-
27	27C	WEBSTER AVE	-	-	-	-	-	-	-	-	1	-	-
27A	27D	WEBSTER AVE	-	-	-	-	-	-	-	-	1	-	-
27B	27D	WEBSTER AVE	-	-	-	-	-	-	-	-	1	-	-
28	29A	WEBSTER AVE	-	-	-	-	-	-	-	-	1	-	-
29	29A	WEBSTER AVE	-	-	-	-	-	-	-	-	1	-	-
30	30D	WEBSTER AVE	-	-	-	-	-	-	-	-	1	-	-
30A	30E	WEBSTER AVE	-	-	-	-	-	-	-	-	1	-	-
30B	30E	WEBSTER AVE	-	-	-	-	-	-	-	-	1	-	-
31	31E	WEBSTER AVE	-	1	-	-	-	-	-	-	-	-	-
31A	31C	WEBSTER AVE	-	1	-	-	-	-	-	-	-	-	-
31B	31C	WEBSTER AVE	-	1	-	-	-	-	-	-	-	-	-
32	33A	WEBSTER AVE	-	1	-	-	-	-	-	-	-	-	-
33	33A	WEBSTER AVE	-	1	-	-	-	-	-	-	-	-	-
34	34A	WEBSTER AVE	1	-	-	-	-	-	-	-	-	-	-
35	35A	WEBSTER AVE	-	-	-	-	-	1	-	-	-	-	-
EX W	35B	WEBSTER AVE	-	-	-	-	-	-	1	-	-	-	-
EX E	35B	WEBSTER AVE	-	-	-	-	-	-	1	-	-	-	-
36	36C	WEBSTER AVE	-	-	-	-	-	-	1	-	-	-	-
36A	36D	WEBSTER AVE	-	-	-	-	-	-	1	-	-	-	-
36B	36D	WEBSTER AVE	-	-	-	-	-	-	1	-	-	-	-
37	37E	WEBSTER AVE	-	-	-	-	-	-	1	-	-	-	-
37A	37C	WEBSTER AVE	-	-	-	-	-	-	1	-	-	-	-
37B	37C	WEBSTER AVE	-	-	-	-	-	-	1	-	-	-	-
38	39A	WEBSTER AVE	-	-	-	-	-	-	1	-	-	-	-
39	39A	WEBSTER AVE	-	-	-	-	-	-	1	-	-	-	-
40	40C	WEBSTER AVE	-	-	-	-	-	-	1	-	-	-	-
40A	40D	WEBSTER AVE	-	-	-	-	-	-	1	-	-	-	-
40B	40D	WEBSTER AVE	-	-	-	-	-	-	1	-	-	-	-
41	41B	WEBSTER AVE	-	-	-	-	-	-	-	1	-	-	-
EX	41B	WEBSTER AVE	-	-	-	-	-	-	-	1	-	-	-
42	42C	WEBSTER AVE	-	-	-	-	-	-	-	1	-	-	-
42A	42D	WEBSTER AVE	-	-	-	-	-	-	-	1	-	-	-
42B	42D	WEBSTER AVE	-	-	-	-	-	-	-	1	-	-	-
44	44E	WEBSTER AVE	-	-	-	-	-	-	-	1	-	-	-

ALL ITEMS ARE CATEGORY 0010 UNLESS OTHERWISE STATED

STORM SEWER TAP (CONTINUED)

FROM	TO	LOCATION	SPV.0060.16 24X10-INCH EACH	SPV.0060.17 24X12-INCH EACH	SPV.0060.18 36X12-INCH EACH	SPV.0060.19 42X12-INCH EACH	SPV.0060.20 54X12-INCH EACH	SPV.0060.21 (19X30)X10-INCH EACH	SPV.0060.22 (19X30)X12-INCH EACH	SPV.0060.23 (24X38)X12-INCH EACH	SPV.0060.24 (29X45)X12-INCH EACH	SPV.0060.25 (34X53)X12-INCH EACH	SPV.0060.36 INLET EACH
44A	44C	WEBSTER AVE	-	-	-	-	-	-	-	1	-	-	-
44B	44C	WEBSTER AVE	-	-	-	-	-	-	-	1	-	-	-
45	45A	WEBSTER AVE	-	-	-	-	-	-	-	1	-	-	-
47B	47C	WEBSTER AVE	-	-	-	-	-	-	-	1	-	-	-
49	49A	WEBSTER AVE	-	-	-	-	-	-	-	-	1	-	-
													-
50	50C	WEBSTER AVE	-	-	1	-	-	-	-	-	-	-	-
50A	50D	WEBSTER AVE	-	-	1	-	-	-	-	-	-	-	-
52	52A	WEBSTER AVE	-	-	-	1	-	-	-	-	-	-	-
7F	7G	SMITH ST	-	-	-	-	-	-	-	-	-	-	1
7E	7D	SMITH ST	-	-	-	-	-	-	-	-	-	-	1
	TOTALS		1	5	2	4	3	1	13	11	10	2	2

INSULATION BOARD POLYSTYRENE

LOCATION	612.0902.S 2-INCH SY	COMMENT
UNDISTRIBUTED	100	WATER MAIN CROSSINGS
TOTAL	100	

DUST CONTROL SURFACE TREATMENT

LOCATION	623.0200 S.Y.
UNDISTRIBUTED	50,000
TOTAL	50,000

CONCRETE MEDIAN SLOPED NOSE

STATION	LOCATION	620.0300 SF
11+38	WEBSTER AVE, NB, LT	25
14+95	WEBSTER AVE, NB, LT	25
16+00	WEBSTER AVE, NB, LT	25
19+40	WEBSTER AVE, NB, LT	32
20+05	WEBSTER AVE, NB, LT	32
23+35	WEBSTER AVE, NB, LT	32
23+96	WEBSTER AVE, NB, LT	32
27+25	WEBSTER AVE, NB, LT	32
27+88	WEBSTER AVE, NB, LT	32
35+65	WEBSTER AVE, NB, LT	32
36+30	WEBSTER AVE, NB, LT	32
39+55	WEBSTER AVE, NB, LT	32
40+20	WEBSTER AVE, NB, LT	32
43+45	WEBSTER AVE, NB, LT	32
44+10	WEBSTER AVE, NB, LT	32
54+20	WEBSTER AVE, NB, LT	38
8+94	UNIVERSITY AVE, EB, LT	15
9+33	UNIVERSITY AVE, EB, LT	15
1059	UNIVERSITY AVE, EB, LT	15
TOTALS		542

PEDESTRIAN ACCOMADATIONS

LOCATION	644.1410.S TEMPORARY PEDESTRIAN SURFACE ASPHALT SF	644.1616.S TEMPORARY PEDESTRIAN SAFETY FENCE LF	SPV.0045.01 TEMPORARY CROSSWALK ACCESS DAY
STAGE 1B DAY STREET	-	-	60
STAGE 1B KLAUS STREET	-	-	60
STAGE 2	4,325	300	-
STAGE 2 DAY STREET	-	-	60
STAGE 2 KLAUS STREET	-	-	60
UNDISTRIBUTED	175	100	-
TOTALS	4,500	400	240

ALL ITEMS ARE CATEGORY 0010 UNLESS OTHERWISE STATED

TOPSOIL, FERTILIZER, SEED AND MULCH

STATION	TO	STATION	LOCATION	625.0100 TOPSOIL SY	627.0200 MULCHING SY	629.0210 FERTILIZER TYPE B CWT	630.0140 SEEDING MIXTURE NO. 40 LB	630.0200 SEEDING TEMPORARY LB	SPV.0085.01 SEEDING LOW MAINTENANCE LB	631.1000 SOD LAWN SY	631.0300 SOD WATER MGAL
10+13.86	-	15+50	WEBSTER AVE, NB	643	-	0.5	2.5	-	0.0	505	11.4
15+50	-	19+73	WEBSTER AVE, NB	1,628	-	1.1	7.8	-	5.4	901	27.0
19+73	-	23+67	WEBSTER AVE, NB	1,977	-	1.3	11.7	-	13.2	600	29.9
23+67	-	27+56	WEBSTER AVE, NB	1,598	-	1.1	5.5	-	13.0	576	29.2
27+56	-	31+42	WEBSTER AVE, NB	1,971	-	1.3	5.8	-	12.8	948	37.2
31+42	-	32+19	WEBSTER AVE, NB	164	-	0.2	0.8	-	1.1	63	2.8
32+19	-	35+97	WEBSTER AVE, NB	2,153	-	1.4	13.9	-	14.0	610	31.2
35+97	-	39+87	WEBSTER AVE, NB	1,747	-	1.2	12.6	-	13.0	332	23.7
39+87	-	43+78	WEBSTER AVE, NB	1,759	-	1.2	7.2	-	12.9	647	30.7
43+78	-	54+75	WEBSTER AVE, NB	4,386	-	2.8	4.8	-	35.0	2,181	92.6
8+92.5	-	9+58	UNIVERSITY AVE, EB	31	-	0.1	-	-	-	31	0.7
10+30	-	10+83	UNIVERSITY AVE, EB	16	-	0.1	-	-	-	16	0.4
9+00	-	9+51	HARVEY ST	63	-	0.1	-	-	-	63	1.5
10+25	-	10+75	HARVEY ST	32	-	0.1	-	-	-	32	0.7
9+10	-	9+51	DAY ST	36	-	0.1	0.2	-	-	25	0.6
10+25	-	10+75	DAY ST	46	-	0.1	-	-	-	46	1.1
9+15	-	9+51	SMITH ST	41	-	0.1	0.4	-	-	19	0.5
10+25	-	10+53	SMITH ST	17	-	0.1	0.0	-	-	17	0.4
8+75	-	9+51	EASTMAN AVE, EB	117	-	0.1	1.5	-	-	37	0.9
10+25	-	11+20	EASTMAN AVE, EB	122	-	0.1	1.3	-	-	54	1.3
8+85	-	9+51	EASTMAN AVE, WB	53	-	0.1	1.0	-	-	-	-
10+25	-	11+00	EASTMAN AVE, WB	94	-	0.1	1.1	-	-	36	0.8
9+00	-	9+51	REBER ST	60	-	0.1	0.4	-	-	38	0.9
10+25	-	10+85	REBER ST	44	-	0.1	0.0	-	-	44	1.0
8+95	-	9+51	BERNER ST	38	-	0.1	0.5	-	-	14	0.4
10+25	-	10+85	BERNER ST	35	-	0.1	-	-	-	35	0.8
8+90	-	9+51	KLAUS ST	35	-	0.1	0.4	-	-	14	0.4
10+25	-	10+85	KLAUS ST	51	-	0.1	-	-	-	51	1.2
10+55	-	11+14	VANDERBRAAK ST	276	-	0.2	5.0	-	-	-	0.0
			UNDISTRIBUTED	3,767	-	2.4	23.6	30	11.6	1,565	63.7
			WASTE AREA	-	2,500	1.5	-	20	-	-	-
TOTALS				23,000	2,500	18	108	50	132	9,500	393

NOTE: CONTRACTOR WILL APPLY WATER FOR SEEDED AREAS IN MEDIAN AT 1-INCH PER WEEK (4 WEEKS) UNDER BID ITEM OF SOD WATER

SILT FENCE

STATION	TO	STATION	LOCATION	628.1504 QUANTITY LF	628.1520 MAINTENANCE LF
31+42	-	32+19	WEBSTER AVE, NB, LT & RT	55	110
8+75	-	9+51	EASTMAN AVE, EB, LT	55	110
10+25	-	10+52	EASTMAN AVE, EB, LT	65	130
8+85	-	9+51	EASTMAN AVE, WB, RT	45	90
10+25	-	11+20	EASTMAN AVE, WB, RT	50	100
UNDISTRIBUTED			ENTIRE PROJECT	100	200
UNDISTRIBUTED			WASTE SITE	500	1,000
TOTALS				870	1,740

EROSION CONTROL

STATION	TO	STATION	LOCATION	628.1905 MOBILIZATIONS EACH	628.1910 MOBILIZATIONS EMERGENCY EACH
10+13.86	-	54+75	WEBSTER AVE, NB	10	6
TOTALS				10	6

TRACKING PADS

LOCATION	628.7560 EACH
UNDISTRIBUTED	10
TOTAL	10

ALL ITEMS ARE CATEGORY 0010 UNLESS OTHERWISE STATED

3

INLET PROTECTION

STR. NO.	628.7005 TYPE A EACH	628.7010 TYPE B EACH	628.7015 TYPE C EACH	628.7020 TYPE D EACH
1A	1	-	1	-
1B	1	-	1	-
1C	1	-	1	-
1F	1	-	1	-
2A	1	-	-	1
2B	1	-	-	1
2C	1	-	-	1
2D	1	-	-	1
3A	1	1	-	-
4A	1	-	1	-
4B	1	-	1	-
4C	1	-	1	-
4E	1	-	1	-
5	1	1	-	-
5A	1	-	-	1
5B	1	-	-	1
5C	1	-	-	1
6A	1	-	1	-
7A	1	-	1	-
7B	1	-	1	-
7C	1	-	1	-
7D	1	-	1	-
7G	1	-	-	1
10A	1	-	1	-
10B	1	-	1	-
10C	1	1	-	-
10D	1	-	1	-
11A	1	-	1	-
11B	1	-	1	-
11C	1	-	1	-
11D	1	-	1	-
12A	1	-	1	-
12B	1	-	1	-
15	1	1	-	-
17A	1	-	1	-
21A	1	-	1	-
21B	1	-	1	-
21C	1	-	1	-
22	1	1	-	-
22B	1	-	1	-
23	1	1	-	-
24	1	1	-	-
25A	1	-	1	-
25B	1	-	-	1
25C	1	-	1	-

INLET PROTECTION (CONTINUED)

STR. NO.	628.7005 TYPE A EACH	628.7010 TYPE B EACH	628.7015 TYPE C EACH	628.7020 TYPE D EACH
25D	1	-	1	-
26A	1	-	1	-
26B	1	-	1	-
27	1	1	-	-
27A	1	-	1	-
27B	1	-	1	-
28	1	1	-	-
29	1	1	-	-
30	1	1	-	-
30A	1	-	-	1
30B	1	-	-	1
30C	1	-	-	1
31	1	1	-	-
31A	1	-	1	-
31B	1	-	1	-
32	1	1	-	-
33	1	1	-	-
34	1	1	-	-
35	1	1	-	-
36	1	1	-	-
36A	1	-	-	1
36B	1	-	-	1
37	1	1	-	-
37A	1	-	1	-
37B	1	-	1	-
38	1	1	-	-
39	1	1	-	-
40	1	1	-	-
40A	1	-	-	1
40B	1	-	-	1
41	1	1	-	-
42	1	1	-	-
42A	1	-	1	-
42B	1	-	1	-
43A	1	-	1	-
43B	1	-	1	-
44	1	1	-	-
44A	1	-	-	1
44B	1	-	-	1
45	1	1	-	-
46	1	1	-	-
47A	1	-	-	1
47B	1	-	-	1
48A	1	-	1	-
49	1	1	-	-

INLET PROTECTION (CONTINUED)

STR. NO.	628.7005 TYPE A EACH	628.7010 TYPE B EACH	628.7015 TYPE C EACH	628.7020 TYPE D EACH
50	1	1	-	-
50A	1	-	1	-
50B	1	-	1	-
50E	1	-	1	-
52	1	-	1	-
STAGE 1	-	-	25	10
UNDISTRIBUTED	6	7	14	5
TOTALS	100	35	85	35

NOTES:
- STAGE 1 QUANTITIES ARE FOR EXISTING INLETS ON WEST SIDE OF WEBSTER AVE DURING STAGE 1 CONSTRUCTION
- PLACE PROTECTION AT THE FIRST INLET OUTSIDE OF CONSTRUCITON ON HAUL ROUTES
- USE TYPE D PROTECTION ON LOW POINT INLETS TO MINIMIZE FLOODING POTENTIAL DURING CONSTRUCTION

EROSION MAT URBAN CLASS I TYPE A

STATION	TO	STATION	LOCATION	628.2006 SY
10+13.86	-	15+50	WEBSTER AVE, NB	138
15+50	-	19+73	WEBSTER AVE, NB	727
19+73	-	23+67	WEBSTER AVE, NB	1,378
23+67	-	27+56	WEBSTER AVE, NB	1,023
27+56	-	31+42	WEBSTER AVE, NB	1,023
31+42	-	32+19	WEBSTER AVE, NB	101
32+19	-	35+97	WEBSTER AVE, NB	1,543
35+97	-	39+87	WEBSTER AVE, NB	1,416
39+87	-	43+77	WEBSTER AVE, NB	1,112
43+77	-	54+75	WEBSTER AVE, NB	2,205
9+10	-	9+51	DAY ST	11
9+15	-	9+51	SMITH ST	22
8+75	-	9+51	EASTMAN AVE, EB	80
10+25	-	11+20	EASTMAN AVE, EB	68
8+85	-	9+51	EASTMAN AVE, WB	53
10+25	-	11+00	EASTMAN AVE, WB	58
9+00	-	9+51	REBER ST	22
8+95	-	9+46	BERNER ST	24
8+90	-	9+51	KLAUS ST	21
10+55	-	11+14	VANDERBRAAK ST	275
420+00	-	440+91	UNDISTRIBUTED	2260
TOTALS				13,560

ALL ITEMS ARE CATEGORY 0010 UNLESS OTHERWISE STATED

TRAFFIC CONTROL DETOUR SIGN SUMMARY

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 14 DAYS	643.0900 SIGNS * DAYS	643.0420 BARRICADES TYPE III * DAYS	643.0705 WARNING LIGHTS TYPE A * DAYS	643.1000 FIXED MESSAGE SIGN * SF	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS *	REMARKS
1	STH 54/57, S. OF EAST RIVER, PLACE ON LIGHT POLE ABOVE EXISITNG J4-1 SIGN	W 20-2A	48"X48"	1	14	14					
2	STH 54/57, S. OF EAST RIVER, PLACE BEHIND SIDEWALK AT BRIDGE APPROACH TO	FMS	90"X36"	1					22.5		
3	STH 54/57, N. OF EAST RIVER, PLACE BEHIND SIDEWALK ON N. SIDE OF BRIDGE	MO 4-8	24"X12"	1	14	14					
	"	M 3-2	24"X12"	1	14	14					
	"	M 1-6	24"X24"	1	14	14					54
	"	MO 5-1L	21"X21"	1	14	14					
	"	MO 4-8	24"X12"	1	14	14					
	"	M 3-1	24"X12"	1	14	14					
	"	M 1-6	24"X24"	1	14	14					57
	"	MO 5-1L	21"X21"	1	14	14					
4	STH 54/57, AT QUINCY ST, PLACE 100' PRIOR TO QUINCY ST BEHIND SIDEWALK	MO 4-8	24"X12"	1	14	14					
	"	M 3-2	24"X12"	1	14	14					
	"	M 1-6	24"X24"	1	14	14					54
	"	MO 6-1	21"X21"	1	14	14					LEFT
	"	MO 4-8	24"X12"	1	14	14					
	"	M 3-1	24"X12"	1	14	14					
	"	M 1-6	24"X24"	1	14	14					57
	"	MO 6-1	21"X21"	1	14	14					LEFT
5	STH 54/57, AT QUINCY ST, PLACE IN SE QUADRANT OF INTERSECTION ON RIGHT	R 11-3	60"X30"	1	14	14	14	28			1/4 MILE AHEAD
6	STH 54/57, E. OF QUINCY ST, PLACE ON RIGHT SHOULDER BEHIND C&G, FIELD	PCMS		1						7	PLACE 7 DAYS IN ADVANCE OF CLOSURE
7	QUINCY ST, N. OF STH 54/57, PLACE 100' N. OF HARVEY ST	M 4-8A	24"X18"	1	14	14					
	"	M 1-6	24"X24"	1	14	14					54
	"	M 4-8A	24"X18"	1	14	14					
	"	M 1-6	24"X24"	1	14	14					57
8	QUINCY ST, S. OF EASTMAN AVE, PLACE 100' S. OF EASTMAN AVE INTERSECTION	MO 4-8	24"X12"	1	14	14					
	"	M 3-2	24"X12"	1	14	14					
	"	M 1-6	24"X24"	1	14	14					54
	"	MO 6-1	21"X21"	1	14	14					AHEAD
	"	MO 4-8	24"X12"	1	14	14					
	"	M 3-1	24"X12"	1	14	14					
	"	M 1-6	24"X24"	1	14	14					57
	"	MO 6-1	21"X21"	1	14	14					AHEAD
9	QUINCY ST, S. OF EASTMAN AVE, PLACE 100' S. OF EASTMAN AVE INTERSECTION	MO 4-8	24"X12"	1	14	14					
	"	M 3-4	24"X12"	1	14	14					
	"	M 1-6	24"X24"	1	14	14					54
	"	MO 6-1	21"X21"	1	14	14					AHEAD
	"	MO 4-8	24"X12"	1	14	14					
	"	M 3-3	24"X12"	1	14	14					
	"	M 1-6	24"X24"	1	14	14					57
	"	MO 6-1	21"X21"	1	14	14					AHEAD
10	QUINCY ST, S. OF RADISSON ST, PLACE 100' S. OF RADISSON ST INTERSECTION	MO 4-8	24"X12"	1	14	14					
	"	M 3-2	24"X12"	1	14	14					
	"	M 1-6	24"X24"	1	14	14					54
	"	MO 6-1	21"X21"	1	14	14					RIGHT
	"	MO 4-8	24"X12"	1	14	14					
	"	M 3-1	24"X12"	1	14	14					
	"	M 1-6	24"X24"	1	14	14					57
	"	MO 6-1	21"X21"	1	14	14					RIGHT
	PAGE SUBTOTALS			48		644	14	28	22.5	7	

PLAN SHEET PRODUCED
BY WisDOT - NE REGION

* QUANTITIES SHOWN ELSEWHERE

TRAFFIC CONTROL DETOUR SIGN SUMMARY

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 14 DAYS	643.0900 SIGNS * DAYS	643.0420 BARRICADES TYPE III * DAYS	643.0705 WARNING LIGHTS TYPE A * DAYS	643.1000 FIXED MESSAGE SIGN * SF	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS *	REMARKS
11	RADISSON ST, E. OF QUINCY ST, PLACE 100' E. OF QUINCY ST INTERSECTION	MO 4-8	24"X12"	1	14	14					
	"	M 3-4	24"X12"	1	14	14					
	"	M 1-6	24"X24"	1	14	14					54
	"	MO 6-1	21"X21"	1	14	14					LEFT
	"	MO 4-8	24"X12"	1	14	14					
	"	M 3-3	24"X12"	1	14	14					
	"	M 1-6	24"X24"	1	14	14					57
	"	MO 6-1	21"X21"	1	14	14					LEFT
12	WEBSTER AVE, S. OF I-43 SB RAMP TERMINI, PLACE 100' S. OF RAMP TERMINI	FMS	84"X36"	1					21		SEE DETAIL SHEET
13	WEBSTER AVE, S. OF I-43 SB RAMP TERMINI, PLACE 100' S. OF RAMP TERMINI	FMS	84"X36"	1					21		SEE DETAIL SHEET
14	WEBSTER AVE, S. OF I-43 SB RAMP TERMINI, PLACE 400' S. OF RAMP TERMINI	MO 4-8	24"X12"	1	14	14					
	"	M 3-4	24"X12"	1	14	14					
	"	M 1-6	24"X24"	1	14	14					54
	"	MO 5-1R	21"X21"	1	14	14					
	"	MO 4-8	24"X12"	1	14	14					
	"	M 3-3	24"X12"	1	14	14					
	"	M 1-6	24"X24"	1	14	14					57
	"	MO 5-1R	21"X21"	1	14	14					
15	WEBSTER AVE, S. OF I-43 SB RAMP TERMINI, PLACE 400' S. OF RAMP TERMINI	MO 4-8	24"X12"	1	14	14					
	"	M 3-2	24"X12"	1	14	14					
	"	M 1-6	24"X24"	1	14	14					54
	"	MO 5-1L	21"X21"	1	14	14					
	"	MO 4-8	24"X12"	1	14	14					
	"	M 3-1	24"X12"	1	14	14					
	"	M 1-6	24"X24"	1	14	14					57
	"	MO 5-1L	21"X21"	1	14	14					
16	WEBSTER AVE, S. OF I-43 SB RAMP TERMINI, PLACE 100' N. OF RADISSON ST	MO 4-8	24"X12"	1	14	14					
	"	M 3-4	24"X12"	1	14	14					
	"	M 1-6	24"X24"	1	14	14					54
	"	MO 6-1	21"X21"	1	14	14					RIGHT
	"	MO 4-8	24"X12"	1	14	14					
	"	M 3-3	24"X12"	1	14	14					
	"	M 1-6	24"X24"	1	14	14					57
	"	MO 6-1	21"X21"	1	14	14					RIGHT
17	WEBSTER AVE, S. OF I-43 SB RAMP TERMINI, PLACE 100' N. OF RADISSON ST	MO 4-8	24"X12"	1	14	14					
	"	M 3-2	24"X12"	1	14	14					
	"	M 1-6	24"X24"	1	14	14					54
	"	MO 6-1	21"X21"	1	14	14					LEFT
	"	MO 4-8	24"X12"	1	14	14					
	"	M 3-1	24"X12"	1	14	14					
	"	M 1-6	24"X24"	1	14	14					57
	"	MO 6-1	21"X21"	1	14	14					LEFT
18	WEBSTER AVE, AT RADISSON ST, PLACE ON RIGHT SHOULDER IN SW QUADRANT OF	R 11-3	60"X30"	1	14	14	14	28			3/4 MILE AHEAD
19	RADISSON ST, W. OF IRWIN AVE, PLACE 100' W. OF IRWIN AVE INTERSECTION	MO 4-8	24"X12"	1	14	14					
	"	M 3-2	24"X12"	1	14	14					
	"	M 1-6	24"X24"	1	14	14					54
	"	MO 6-1	21"X21"	1	14	14					RIGHT
	"	MO 4-8	24"X12"	1	14	14					
	"	M 3-1	24"X12"	1	14	14					
	"	M 1-6	24"X24"	1	14	14					57
	"	MO 6-1	21"X21"	1	14	14					RIGHT
	PAGE SUBTOTALS			51		686	14	28	42	0	

PLAN SHEET PRODUCED BY WisDOT - NE REGION

* QUANTITIES SHOWN ELSEWHERE

TRAFFIC CONTROL DETOUR SIGN SUMMARY

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 14 DAYS	643.0900 SIGNS * DAYS	643.0420 BARRICADES TYPE III * DAYS	643.0705 WARNING LIGHTS TYPE A * DAYS	643.1000 FIXED MESSAGE SIGN * SF	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS *	REMARKS
20	IRWIN AVE, S. OF RADISSON ST, PLACE 100' S. OF RADISSON ST INTERSECTION	MO 4-8	24"X12"	1	14	14					
	"	M 3-4	24"X12"	1	14	14					
	"	M 1-6	24"X24"	1	14	14					54
	"	MO 6-1	21"X21"	1	14	14					LEFT
	"	MO 4-8	24"X12"	1	14	14					
	"	M 3-3	24"X12"	1	14	14					
	"	M 1-6	24"X24"	1	14	14					57
	"	MO 6-1	21"X21"	1	14	14					LEFT
21	IRWIN AVE, N. OF EASTMAN AVE, PLACE 100' N. OF EASTMAN AVE INTERSECTION	MO 4-8	24"X12"	1	14	14					
	"	M 3-2	24"X12"	1	14	14					
	"	M 1-6	24"X24"	1	14	14					54
	"	MO 6-1	21"X21"	1	14	14					AHEAD
	"	MO 4-8	24"X12"	1	14	14					
	"	M 3-1	24"X12"	1	14	14					
	"	M 1-6	24"X24"	1	14	14					57
	"	MO 6-1	21"X21"	1	14	14					AHEAD
22	IRWIN AVE, S. OF EASTMAN AVE, PLACE 100' S. OF EASTMAN AVE INTERSECTION	MO 4-8	24"X12"	1	14	14					
	"	M 3-4	24"X12"	1	14	14					
	"	M 1-6	24"X24"	1	14	14					54
	"	MO 6-1	21"X21"	1	14	14					AHEAD
	"	MO 4-8	24"X12"	1	14	14					
	"	M 3-3	24"X12"	1	14	14					
	"	M 1-6	24"X24"	1	14	14					57
	"	MO 6-1	21"X21"	1	14	14					AHEAD
23	STH 54/57, W. OF GROVE ST, PLACE 1/4 MILE E. OF IRWIN AVE	W 20-2A	48"X48"	1	14	14					
24	STH 54/57, E. OF IRWIN AVE, PLACE 800' E. OF IRWIN AVE INTERSECTION	FMS	90"X36"	1					22.5		
25	STH 54/57, E. OF IRWIN AVE, PLACE 500' E. OF IRWIN AVE INTERSECTION	MO 4-8	24"X12"	1	14	14					
	"	M 3-4	24"X12"	1	14	14					
	"	M 1-6	24"X24"	1	14	14					54
	"	MO 5-1R	21"X21"	1	14	14					
	"	MO 4-8	24"X12"	1	14	14					
	"	M 3-3	24"X12"	1	14	14					
	"	M 1-6	24"X24"	1	14	14					57
	"	MO 5-1R	21"X21"	1	14	14					
26	STH 54/57, E. OF IRWIN AVE, PLACE 150' E. OF IRWIN AVE INTERSECTION	MO 4-8	24"X12"	1	14	14					
	"	M 3-4	24"X12"	1	14	14					
	"	M 1-6	24"X24"	1	14	14					54
	"	MO 6-1	21"X21"	1	14	14					RIGHT
	"	MO 4-8	24"X12"	1	14	14					
	"	M 3-3	24"X12"	1	14	14					
	"	M 1-6	24"X24"	1	14	14					57
	"	MO 6-1	21"X21"	1	14	14					RIGHT
27	IRWIN AVE, N. OF STH 54/57, PLACE 200' N. OF STH 54/57 INTERSECTION	M 4-8A	24"X18"	1	14	14					
	"	M 1-6	24"X24"	1	14	14					
	"	M 4-8A	24"X18"	1	14	14					
	"	M 1-6	24"X24"	1	14	14					
28	STH 54/57, AT IRWIN AVE, PLACE ON RIGHT SHOULDER IN NW QUADRANT OF	R 11-3	60"X30"	1	14	14					
29	STH 54/57, W. OF IRWIN AVE, PLACE ON RIGHT SHOULDER BEHIND C&G, FIELD	PCMS		1						7	PLACE 7 DAYS IN ADVANCE OF CLOSURE
	PAGE SUBTOTALS			48		644	0	0	22.5	7	
	PROJECT TOTALS			**147**		**1,974**	**28**	**56**	**87**	**14**	

PLAN SHEET PRODUCED BY WisDOT - NE REGION

* QUANTITIES SHOWN ELSEWHERE

TRAFFIC CONTROL SUMMARY

LOCATION	APPROXIMATE SERVICE DAYS	643.0300 DRUMS NO. IN SERVICE	643.0300 DRUMS DAYS	643.0420 * BARRICADES TYPE III NO. IN SERVICE	643.0420 * BARRICADES TYPE III DAYS	643.0500 FLEXIBLE TUBULAR MARKER POSTS EA	643.0600 FLEXIBLE TUBULAR MARKER BASES EA	643.0705 * WARNING LIGHTS TYPE A NO. IN SERVICE	643.0705 * WARNING LIGHTS TYPE A DAYS	643.0715 WARNING LIGHTS TYPE C NO. IN SERVICE	643.0715 WARNING LIGHTS TYPE C DAYS	643.0800 ARROW BOARD NO. IN SERVICE	643.0800 ARROW BOARD DAYS	643.0900 * SIGNS NO. IN SERVICE	643.0900 * SIGNS DAYS	643.1000 * SIGNS FIXED MESSAGE SIGN SF	643.1050 * SIGNS PMCS NO. IN SERVICE	643.1050 * SIGNS PMCS DAYS	COMMENTS
STAGE 1A																			
NORTHBOUND WEBSTER	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	7	BEFORE LANE CLOSURE
SOUTHBOUND WEBSTER	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	7	BEFORE LANE CLOSURE
SINGLE LANE CLOSURE	15	110	1,650	2	30	-	-		-	16	240	1	15	14	210	-	-	-	NOTE #1
STAGE 1 B																			
NORTHBOUND WEBSTER	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	7	BEFORE LANE CLOSURE/SHIFTING
SOUTHBOUND WEBSTER	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	7	BEFORE LANE CLOSURE/SHIFTING
PROJECT AREA	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	7	SEE PLANS
WEBSTER AVE/SIDEROADS	60	190	11,400	82	4,920	95	95	80	4,800	49	2,940	2	120	110	6,600	-	-	-	NOTE #2
UNDISTRIBUTED	60	38	2,280	8	480	45	45	8	480	5	300	-	-	12	720	-	-	-	
STAGE 2																			
NORTHBOUND WEBSTER	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	7	BEFORE LANE CLOSURE/SHIFTING
SOUTHBOUND WEBSTER	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	7	BEFORE LANE CLOSURE/SHIFTING
PROJECT AREA	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	7	SEE PLANS
WEBSTER AVE/SIDEROADS	70	290	20,300	92	6,440	100	100	84	5,880	104	7,280	2	140	115	8,050	-	-	-	NOTE #3
UNDISTRIBUTED	70	58	4,060	9	630	50	50	10	700	10	700	-	-	13	910	-	-	-	
STAGE 3A																			
NORTHBOUND WEBSTER	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	7	BEFORE ROADWAY CLOSURE
SOUTHBOUND WEBSTER	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	7	BEFORE ROADWAY CLOSURE
WEBSTER AVE CLOSURE AT UNIVERSITY AVE	40	20	800	20	800	-	-	24	960	-	-	-	-	8	320	21			NOTE #4 & NOTE 7
WEBSTER AVE CLOSURE AT EASTMAN AVE	40	-	-	20	800	-	-	24	960	-	-	-	-	8	320	-		0	NOTE #4
WEBSTER AVE CLOSURE AT RADISSON ST	40	30	1,200	10	400	-	-	6	240	17	680	-	-	17	680	-		0	NOTE #4
SHOULER CLOSURE EB RADISSON ST	7	20	140	-	-	-	-	-	-	-	-	-	-	5	35	-			NOTE #6
EASTMAN AVE CLOSURE	7	-	-	20	140	-	-	24	168	-	-	-	-	8	56	-			NOTE #5
UNIVERSITY AVE LANE CLOSURE	21	74	1,554	2	42	-	-	0	0	18	378	2	42	12	252	-	-	-	NOTE #1
UNDISTRIBUTED	21	14	294	10	210	-	-	10	210	-	-	-	-	5	105	-	-	-	
STAGE 3B																			
WESTBOUND UNIVERSITY	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	7	BEFORE ROADWAY CLOSURE
EASTBOUND UNIVERSITY	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	7	BEFORE ROADWAY CLOSURE
WEBSTER AVE CLOSURE AT UNIVERSITY AVE	21	-	-	10	210	-	-	12	252	-	-	-	-	5	105	-			NOTE #4
TOTALS			43,678		15,102	290	290		14,650		12,518		317		18,363	21		84	

* QUANTITIES SHOWN ELSEWHERE

NOTES:

1. TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY
2. BARRICADES AND SIGNS FOR SIDEROAD CLOSURES - DETAIL 2 / TEMPORARY STOP SIGN
3. BARRICADES AND SIGNS FOR SIDEROAD CLOSURES - DETAIL 3 / TEMPORARY STOP SIGN
4. BARRICADES AND SIGNS FOR MAINLINE CLOSURES DETAIL B
5. BARRICADES AND SIGNS FOR SIDEROAD CLOSURES - DETAIL 1
6. TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY
7. FIXED MESSAGE SIGN WEBSTER AVE CLOSED AT UNIVERSTY AVE FOLLOW DETOUR

ALL ITEMS ARE CATEGORY 0010 UNLESS OTHERWISE STATED

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PEDESTRIAN SIGNING SUMMARY

LOCATION	APPROXIMATE SERVICE DAYS	643.0410 BARRICADES TYPE II NO. IN SERVICE	643.0410 BARRICADES TYPE II DAYS	643.0900 * SIGNS NO. IN SERVICE	643.0900 * SIGNS DAYS	COMMENTS
STAGE 1B	60	58	3480	58	3480	SEE CONSTRUCTION DETAILS AND STANDARED DETAIL DRAWING "PEDESTRIAN ACCOMADATIONS"
STAGE 2	70	53	3710	53	3710	SEE CONSTRUCTION DETAILS AND STANDARED DETAIL DRAWING "PEDESTRIAN ACCOMADATIONS"
STAGE 3 (RAILROAD CLOSURE)	40	25	1000	54	2160	SEE CONSTRUCTION DETAILS AND STANDARED DETAIL DRAWING "PEDESTRIAN ACCOMADATIONS"
STAGE 3 (WEBSTER CLOSURE)	40	16	640	16	640	SEE CONSTRUCTION DETAILS AND STANDARED DETAIL DRAWING "PEDESTRIAN ACCOMADATIONS"
STAGE 3 (UNIVERSITY CLOSURE)	21	12	252	12	252	SEE CONSTRUCTION DETAILS AND STANDARED DETAIL DRAWING "PEDESTRIAN ACCOMADATIONS"
TOTALS			9,082		10,242	

* QUANTITIES SHOWN ELSEWHERE

GEOGRID AND GEOTEXTILE

STATION	TO	STATION	LOCATION	645.0140 GEOTEXTILE TYPE SAS SY	645.0220 GEOGRID TYPE SR SY
17+50	-	19+35	WEBSTER AVE, NB	-	1,500
28+00	-	31+59	WEBSTER AVE, NB	-	2,810
32+19	-	35+97	WEBSTER AVE, NB	-	2,950
35+97	-	39+87	WEBSTER AVE, NB	-	2,715
UNDISTRIBUTED			WEBSTER AVE, NB	-	1,025
UNDISTRIBUTED EBS AREAS			WEBSTER AVE, NB	2500	1,000
TOTALS				2,500	12,000

MARKING

STATION	TO	STATION	LOCATION	646.1020 EPOXY 4-INCH YELLOW LF	646.1020 EPOXY 4-INCH WHITE LF	646.3020 EPOXY 8-INCH WHITE LF	646.5020 ARROW EPOXY EACH	646.5120 WORD EPOXY EACH	646.5220 SYMBOL EPOXY EACH	646.5320 RAILROAD CROSSING EPOXY EACH	646.6120 STOP LINE EPOXY 18-INCH LF	646.7120 DIAGONAL EPOXY 12-INCH	646.7420 CROSSWALK EPOXY TRANSVERSE LINE 6-INCH LF	SPV.0090.15 CROSSWALK EPOXY TRANSVERSE LINE 12-INCH LF	646.8120 CURB EPOXY LF	646.8220 ISLAND NOSE EPOXY EACH
10+13.86	-	15+50	WEBSTER AVE, NB	424	225	250	4	-	-	-	50	12	-	184	20	2
15+50	-	19+73	WEBSTER AVE, NB	-	776	175	8	4	4	-	63	-	165	186	20	2
19+73	-	23+67	WEBSTER AVE, NB	-	778	-	4	-	4	-	-	-	335	-	20	2
23+67	-	27+56	WEBSTER AVE, NB	-	764	-	4	-	4	-	-	-	342	-	20	2
27+56	-	31+42	WEBSTER AVE, NB	-	764	-	4	-	4	2	-	-	303	-	10	1
31+42	-	32+19	WEBSTER AVE, NB	-	118	-	4	-	4	-	55	-	-	-	-	-
32+19	-	35+97	WEBSTER AVE, NB	-	752	-	4	-	4	2	-	-	280	-	10	1
35+97	-	39+87	WEBSTER AVE, NB	-	764	-	4	-	4	-	-	-	340	-	20	2
39+87	-	43+78	WEBSTER AVE, NB	-	764	-	4	-	4	-	-	-	342	-	20	2
43+78	-	54+75	WEBSTER AVE, NB	-	2,495	-	11	3	9	-	33	-	385	-	20	2
8+92.5	-	9+58	UNIVERSITY AVE, EB	84	25	43	1	-	-	-	33	-	-	136	-	2
10+30	-	10+83	UNIVERSITY AVE, EB	52	25	27	1	-	-	-	36	-	-	149	-	1
9+00	-	9+51	HARVEY ST	-	-	-	-	-	-	-	-	-	62	-	-	-
10+25	-	10+75	HARVEY ST	-	-	-	-	-	-	-	-	-	65	-	-	-
9+10	-	9+51	DAY ST	-	-	-	-	-	-	-	-	-	74	-	-	-
10+25	-	10+75	DAY ST	-	-	-	-	-	-	-	-	-	64	-	-	-
9+15	-	9+51	SMITH ST	-	-	-	-	-	-	-	-	-	73	-	-	-
10+25	-	10+53	SMITH ST	-	-	-	-	-	-	-	-	-	66	-	-	-
8+75	-	9+51	EASTMAN AVE, EB	-	-	-	-	-	-	-	-	-	49	-	-	-
10+25	-	11+20	EASTMAN AVE, EB	-	-	-	-	-	-	-	-	-	46	-	-	-
8+85	-	9+51	EASTMAN AVE, WB	-	-	-	-	-	-	-	-	-	51	-	-	-
10+25	-	11+00	EASTMAN AVE, WB	-	-	-	-	-	-	-	-	-	42	-	-	-
9+00	-	9+51	REBER ST	-	-	-	-	-	-	-	-	-	75	-	-	-
10+25	-	10+85	REBER ST	-	-	-	-	-	-	-	-	-	70	-	-	-
8+95	-	9+51	BERNER ST	-	-	-	-	-	-	-	-	-	76	-	-	-
10+25	-	10+85	BERNER ST	-	-	-	-	-	-	-	-	-	70	-	-	-
8+90	-	9+51	KLAUS ST	-	-	-	-	-	-	-	-	-	88	-	-	-
10+25	-	10+85	KLAUS ST	-	-	-	-	-	-	-	-	-	70	-	-	-
			STAGING REPLACEMENT	-	450	-	-	-	-	-	-	-	-	-	-	-
TOTALS				9,260	495	53	7	41	4	270	12	3,533	655	160	19	

TEMPORARY MARKING

LOCATION	649.0105 PAINT 4-INCH LF	649.0150 REMOVABLE TAPE 4-INCH EACH	649.0250 REMOVALBLE TAPE 8-INCH LF	SPV.0090.11 STOP LINE PAINT 24-INCH LF
STAGE 1	5,700	3,300	50	33
STAGE 2	3,300	5,900	-	22
STAGE 3	-	1,500	-	
UNDISTRIBUTED	900	1,500	50	-
TOTALS	9,900	12,200	100	55

MARKING REMOVAL LINE

LOCATION	646.9010 WATER BLASTING 4-INCH LF	646.9200 WIDE LF
TRAFFIC CONTROL STAGE 1	150	22
TRAFFIC CONTROL STAGE 2	200	-
TRAFFIC CONTROL STAGE 3	200	-
TOTALS	550	22

ALL ITEMS ARE CATEGORY 0010 UNLESS OTHERWISE STATED

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CONSTRUCTION STAKING

STATION	TO	STATION	LOCATION	650.4000 STORM SEWER SYSTEM EACH	650.4500 SUBGRADE LF	650.5000 BASE LF	650.5500 CURB, GUTTER, AND CURB AND GUTTER LF	650.7000 CONCRETE PAVEMENT LF	650.8500 ELECTRICAL INSTALLATIONS LS	650.9910 SUPPLEMENTAL CONTROL LS	650.9920 SLOPE STAKES LF
10+13.86	-	15+50	WEBSTER AVE, NB	-	536	-	-	536	1	1	536
10+13.86	-	15+50	WEBSTER AVE, SB	-	536	-	-	536	-	-	536
15+50	-	19+73	WEBSTER AVE, NB	3	423	-	-	423	-	-	423
15+50	-	19+73	WEBSTER AVE, SB	2	423	-	-	423	-	-	423
19+73	-	23+67	WEBSTER AVE, NB	7	394	-	-	394	-	-	394
19+73	-	23+67	WEBSTER AVE, SB	3	394	-	-	394	-	-	394
23+67	-	27+56	WEBSTER AVE, NB	8	389	-	-	389	-	-	389
23+67	-	27+56	WEBSTER AVE, SB	5	389	-	-	389	-	-	389
27+56	-	31+42	WEBSTER AVE, NB	6	386	-	-	386	-	-	386
27+56	-	31+42	WEBSTER AVE, SB	4	386	-	-	386	-	-	386
31+42	-	32+19	WEBSTER AVE, NB	-	67	50	91	17	-	-	67
31+42	-	32+19	WEBSTER AVE, SB	-	67	50	56	17	-	-	67
32+19	-	35+97	WEBSTER AVE, NB	3	378	-	-	378	-	-	378
32+19	-	35+97	WEBSTER AVE, SB	2	378	-	-	378	-	-	378
35+97	-	39+87	WEBSTER AVE, NB	6	390	-	-	390	-	-	390
35+97	-	39+87	WEBSTER AVE, SB	3	390	-	-	390	-	-	390
39+87	-	43+78	WEBSTER AVE, NB	1	390	-	-	390	-	-	390
39+87	-	43+78	WEBSTER AVE, SB	4	390	-	-	390	-	-	390
43+78	-	54+75	WEBSTER AVE, NB	14	1,097	-	-	1,097	-	-	1,097
43+78	-	54+65	WEBSTER AVE, SB	7	1,087	-	-	1,087	-	-	1,087
8+92.5	-	9+58	UNIVERSITY AVE, EB	-	66	-	-	66	-	-	66
8+92.5	-	9+58	UNIVERSITY AVE, EB	-	66	-	-	66	-	-	66
10+30	-	10+83	UNIVERSITY AVE, EB	-	53	-	-	53	-	-	53
10+30	-	10+83	UNIVERSITY AVE, EB	-	53	-	-	53	-	-	53
9+00	-	9+51	HARVEY ST	2	51	25	50	26	-	-	51
10+25	-	10+75	HARVEY ST	3	50	23	46	27	-	-	50
9+10	-	9+51	DAY ST	3	41	41	0	-	-	-	41
10+25	-	10+75	DAY ST	3	50	23	46	27	-	-	50
9+15	-	9+51	SMITH ST	2	36	0	0	36	-	-	36
10+25	-	10+53	SMITH ST	-	28	9	18	19	-	-	28
8+75	-	9+51	EASTMAN AVE, EB	-	76	49	98	27	-	-	76
10+25	-	11+20	EASTMAN AVE, EB	-	95	68	136	27	-	-	95
8+85	-	9+51	EASTMAN AVE, WB	-	66	39	78	27	-	-	66
10+25	-	11+00	EASTMAN AVE, WB	-	75	53	106	22	-	-	75
9+00	-	9+51	REBER ST	2	51	25	50	26	-	-	51
10+25	-	10+85	REBER ST	2	60	33	66	27	-	-	60
8+95	-	9+51	BERNER ST	2	56	33	66	23	-	-	56
10+25	-	10+85	BERNER ST	2	60	0	0	60	-	-	60
8+90	-	9+51	KLAUS ST	2	61	0	0	61	-	-	61
10+25	-	10+85	KLAUS ST	3	60	42	84	18	-	-	60
10+55	-	11+14	VANDERBRAAK ST	2	59	59	172	172	-	-	59
TOTALS				106	10,104	622	1,163	9,654	1	1	10,104

SAWING PAVEMENT

STATION	TO	STATION	LOCATION	690.0150 SAWING ASPHALT LF	690.0250 SAWING CONCRETE LF
10+13.86	-	15+50	WEBSTER AVE, NB	64	18
15+50	-	19+73	WEBSTER AVE, NB	51	10
19+73	-	23+67	WEBSTER AVE, NB	50	68
23+67	-	27+56	WEBSTER AVE, NB	22	20
27+56	-	31+42	WEBSTER AVE, NB	45	26
32+19	-	35+97	WEBSTER AVE, NB	23	32
35+97	-	39+87	WEBSTER AVE, NB	23	20
39+87	-	43+78	WEBSTER AVE, NB	40	20
43+78	-	54+75	WEBSTER AVE, NB	30	274
8+92.5	-	9+58	UNIVERSITY AVE, EB	-	71
10+30	-	10+83	UNIVERSITY AVE, EB	-	80
9+00	-	9+51	HARVEY ST	27	20
10+25	-	10+75	HARVEY ST	27	26
9+10	-	9+51	DAY ST	-	46
10+25	-	10+75	DAY ST	28	14
9+15	-	9+51	SMITH ST	-	46
10+25	-	10+53	SMITH ST	31	14
8+75	-	9+51	EASTMAN AVE, EB	21	9
10+25	-	11+20	EASTMAN AVE, EB	21	9
8+85	-	9+51	EASTMAN AVE, WB	21	4
10+25	-	11+00	EASTMAN AVE, WB	19	9
9+00	-	9+51	REBER ST	31	14
10+25	-	10+85	REBER ST	31	14
8+95	-	9+51	BERNER ST	31	14
10+25	-	10+85	BERNER ST	-	45
8+90	-	9+51	KLAUS ST	-	52
10+25	-	10+85	KLAUS ST	31	14
10+55	-	11+14	VANDERBRAAK ST	72	5
			STAGE 1B STAGING	-	1,200
			STAGE 2 STAGING	-	60
TOTALS				739	2,254

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ALL ITEMS ARE CATEGORY 0010 UNLESS OTHERWISE STATED

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GRADING AND SHAPING ALLEY TURNAROUND

STATION	LOCATION	SPV.0105.01 STA 17+55 LS	SPV.0105.02 STA 21+61 LS	SPV.0105.03 STA 25+61 LS	SPV.0105.04 STA 29+52 LS	SPV.0105.05 STA 34+02 LS	SPV.0105.06 STA 37+92 LS	SPV.0105.07 STA 45+84 LS	QUANTITIES FOR INFORMATIONAL PURPOSE ONLY FILL CY	QUANTITIES FOR INFORMATIONAL PURPOSE ONLY CUT CY
17+55	WEBSTER AVE, NB, RT	1	-	-	-	-	-	-	0	70
21+61	WEBSTER AVE, NB, RT	-	1	-	-	-	-	-	0	70
25+61	WEBSTER AVE, NB, RT	-	-	1	-	-	-	-	0	60
29+52	WEBSTER AVE, NB, RT	-	-	-	1	-	-	-	0	80
34+02	WEBSTER AVE, NB, RT	-	-	-	-	1	-	-	0	80
37+92	WEBSTER AVE, NB, RT	-	-	-	-	-	1	-	0	65
45+84	WEBSTER AVE, NB, RT	-	-	-	-	-	-	1	0	65
	TOTALS	1	1	1	1	1	1	1		

UTILITY LINE OPENINGS

STATION	LOCATION	SPV.0060.34 EACH
UNDISTRIBUTED	WEBSTER AVE	10
TOTAL		10

STREET SWEEPING

STATION	LOCATION	SPV.0075.01 HRS
UNDISTRIBUTED	WEBSTER AVE	50
TOTAL		50

COLD PATCH

STATION	LOCATION	SPV.0195.01 TON
UNDISTRIBUTED	WEBSTER AVE	10
TOTAL		10

TEST ROLLING

STATION	TO	STATION	LOCATION	SPV.0170.01 STA
10+13.86	-	54+75	WEBSTER AVE, NB	45
10+13.86	-	54+75	WEBSTER AVE, SB	45
TOTAL				90

STORM SEWER MANHOLE #3 CAST IN PLACE CONCRETE

STATION	LOCATION	SPV.0105.11 LS
17+34	WEBSTER AVE	1
TOTAL		1

ADJUSTING WATER AND SANITARY

CATEGORY	STATION	TO	STATION	LOCATION	SPV.0060.29 SANITARY MANHOLE COVER EACH	SPV.0060.32 WATER VALVE BOXES EACH	SPV.0060.33 WATER CURB BOXES EACH
0020							
	10+13.86	-	15+50	WEBSTER AVE, NB	5	5	2
	15+50	-	19+73	WEBSTER AVE, NB	4	3	1
	19+73	-	23+67	WEBSTER AVE, NB	3	3	3
	23+67	-	27+56	WEBSTER AVE, NB	2	4	4
	27+56	-	31+42	WEBSTER AVE, NB	2	4	3
	31+42	-	32+19	WEBSTER AVE, NB	1	1	-
	32+19	-	35+97	WEBSTER AVE, NB	2	2	5
	35+97	-	39+87	WEBSTER AVE, NB	1	3	4
	39+87	-	43+78	WEBSTER AVE, NB	2	2	-
	43+78	-	54+75	WEBSTER AVE, NB	1	2	-
	TOTALS				23	29	22

ROTATE SANITARY MANHOLE CONE

CATEGORY	STATION	LOCATION	SPV.0060.35 EACH	COMMENTS
0020	16+90	WEBSTER AVE	1	ROTATE CONE TO BE INLINE WITH SANITARY MAINLINE
	TOTAL		1	

ALL ITEMS ARE CATEGORY 0010 UNLESS OTHERWISE STATED

CONDUIT AND WIRING

FROM	TO	CIRCUIT	SIDE	LOCATION	652.0225 * CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	652.0235 * CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH LF	ELECTRICAL WIRING LIGHTING 655.0630 WIRE BLACK 4 AWG LF	655.0630 WIRE RED 4 AWG LF	655.0630 WIRE WHITE 4 AWG LF	655.0625 WIRE GREEN 6 AWG LF	COMMENTS
EAST SIDE											
PB13	LP1		E	EAST RIVER - UNIVERSITY AVE	125	-	-	-	-	-	
LP1	LP3	C1	E	EAST RIVER - UNIVERSITY AVE	120	-	130	130	130	130	
LP3	PB14	C3	E	EAST RIVER - UNIVERSITY AVE	163	-	173	173	173	173	
PB14	PB1	C3	E	EAST RIVER - UNIVERSITY AVE	32	-	42	42	42	42	
PB14	PB3	C5	E	UNIVERSITY AVE	-	-	115	115	115	115	CONDUIT PART OF TRAFFIC SIGNAL WORK
PB3	LP9	C7	E	UNIVERSITY AVE - HARVEY ST	195	-	205	205	205	205	
LP9	LP11	C9	E	UNIVERSITY AVE - HARVEY ST	125	-	135	135	135	135	
LP11	LP13	C11	E	HARVEY ST - DAY ST	220	-	230	230	230	230	
LP13	LP15	C13	E	HARVEY ST - DAY ST	170	-	180	180	180	180	
LP15	PB5	C15	E	DAY ST	25	-	35	35	35	35	
PB3	PB5	C62	E	UNIVERSITY AVE - DAY ST	735	-	745	-	745	745	
PB3	TC1	C66	E	UNIVERSITY AVE	25		35	35	35	35	
PB5	LP17	C19	E	DAY ST - SMITH ST	170	-	180	180	180	180	
PB5	FP1	C17	E	DAY ST	-	8	70	60	70	30	
LP17	LP19	C21	E	DAY ST - SMITH ST	180	-	190	190	190	190	
LP19	LP21	C23	E	SMITH ST	180	-	190	190	190	190	
LP21	LP23	C25	E	SMITH ST - EASTMAN AVE	185	-	195	195	195	195	
LP23	LP25	C27	E	SMITH ST - EASTMAN AVE	65	-	75	-	75	75	
LP27	LP29	C35	E	EASTMAN AVE - REBER ST	145	-	-	155	155	155	
LP29	LP31	C37	E	EASTMAN AVE - REBER ST	165	-	175	175	175	175	
LP31	LP33	C39	E	REBER ST - BERNER ST	205	-	215	215	215	215	
LP33	LP35	C41	E	REBER ST - BERNER ST	180	-	190	190	190	190	
LP35	LP37	C43	E	BERNER ST	160	-	170	170	170	170	
LP37	LP39	C45	E	BERNER ST - KLAUS ST	160	-	170	170	170	170	
LP39	PB7	C47	E	BERNER ST - KLAUS ST	85	-	95	95	95	95	
PB7	LP41	C51	E	KLAUS ST	70	-	80	80	80	80	
PB7	FP2	C49	E	KLAUS ST	-	6	45	30	45	15	
LP41	LP43	C53	E	KLAUS ST - RADISSON ST	175	-	185	185	185	185	
LP43	LP45	C55	E	KLAUS ST - RADISSON ST	170	-	180	180	180	180	
LP45	LP47	C57	E	KLAUS ST - RADISSON ST	190	-	200	200	200	200	
LP47	LP48	C59	E	KLAUS ST - RADISSON ST	180	-	190	190	190	190	
LP48	LP49	C60	E	KLAUS ST - RADISSON ST	180	-	190	190	190	190	
LP49	PB22	C61	E	KLAUS ST - RADISSON ST	155	-	165	165	165	165	
PB7	PB12	C63	E	KLAUS ST - RADISSON ST	595	-	605	605	605	605	
PB12	PB22	C64	E	KLAUS ST - RADISSON ST	515		525	525	525	525	
EAST SIDE SUBTOTAL					6,045	14	6,305	5,615	6,460	6,390	

ALL ITEMS ARE CATEGORY 0010 UNLESS OTHERWISE STATED

CONDUIT AND WIRING (CONTINUED)

FROM	TO	CIRCUIT	SIDE	LOCATION	652.0225 * CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	652.0235 * CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH LF	ELECTRICAL WIRING LIGHTING 655.0630 WIRE BLACK 4 AWG LF	655.0630 WIRE RED 4 AWG LF	655.0630 WIRE WHITE 4 AWG LF	655.0625 WIRE GREEN 6 AWG LF	COMMENTS
WEST SIDE											
LP2	LP4	C2	W	EAST RIVER - UNIVERSITY AVE	120	-	130	130	130	130	
LP4	PB2	C4	W	EAST RIVER - UNIVERSITY AVE	185	-	195	195	195	195	
PB2	PB4	C6	W	UNIVERSITY AVE	-	-	135	135	135	135	CONDUIT PART OF TRAFFIC SIGNAL WORK
PB4	LP10	C8	W	UNIVERSITY AVE - HARVEY ST	185	-	195	195	195	195	
LP10	LP12	C10	W	UNIVERSITY AVE - HARVEY ST	125	-	135	135	135	135	
LP12	LP14	C12	W	HARVEY ST - DAY ST	220	-	230	230	230	230	
LP14	LP16	C14	W	HARVEY ST - DAY ST	170	-	180	180	180	180	
LP16	PB6	C16	W	DAY ST	15	-	25	25	25	25	
PB6	LP18	C20	W	DAY ST	175	-	185	185	185	185	
PB5	PB6		S	DAY ST	170	-	180	180	180	180	DUAL RUN STREET LIGHTING CONDUIT
LP18	LP20	C22	W	DAY ST - SMITH ST	180	-	190	190	190	190	
LP20	LP22	C24	W	SMITH ST	180	-	190	190	190	190	
LP22	LP24	C26	W	SMITH ST - EASTMAN AVE	185	-	195	195	195	195	
LP24	LP26	C28	W	SMITH ST - EASTMAN AVE	65	-	75	-	75	75	
LP28	LP30	C36	W	EASTMAN AVE - REBER ST	165	-	-	175	175	175	
LP30	LP32	C38	W	EASTMAN AVE - REBER ST	145	-	155	155	155	155	
LP32	LP34	C40	W	REBER ST	205	-	215	215	215	215	
LP34	LP36	C42	W	REBER ST - BERNER ST	180	-	190	190	190	190	
LP36	PB8	C44	W	BERNER ST - KLAUS ST	390	-	400	400	400	400	
PB8	PB7	C46	S	KLAUS ST	180	-	190	190	190	190	DUAL RUN STREET LIGHTING CONDUIT
PB8	LP38	C48	W	KLAUS ST - RADISSON ST	270	-	280	280	280	280	
LP38	LP40	C50	W	KLAUS ST - RADISSON ST	210	-	220	220	220	220	
LP40	LP42	C52	W	KLAUS ST - RADISSON ST	170	-	180	180	180	180	
LP42	LP44	C54	W	KLAUS ST - RADISSON ST	180	-	190	190	190	190	
LP44	LP46	C56	W	KLAUS ST - RADISSON ST	180	-	190	190	190	190	
LP46	PB10	C58	W	KLAUS ST - RADISSON ST	100	-	110	110	110	110	
WEST SIDE SUBTOTAL					4,350	0	4,560	4,660	4,735	4,735	
SUBTOTALS					10,395	14	10,865	10,275	11,195	11,125	
TOTALS					10,395	14		32,335		11,125	

* QUANTITIES SHOWN ELSEWHERE

ALL ITEMS ARE CATEGORY 0010 UNLESS OTHERWISE STATED

3

ELECTRICAL WIRING LIGHTING

LIGHT POLE	655.0610 * 12 AWG BLACK LF	12 AWG GREEN LF	12 AWG RED LF	12 AWG WHITE LF	LIGHT POLE	655.0610 * 12 AWG BLACK LF	12 AWG GREEN LF	12 AWG RED LF	12 AWG WHITE LF
EAST SIDE					WEST SIDE				
LP1	40	60	20	60	LP2	40	60	20	60
LP3	40	60	20	60	LP4	40	60	20	60
LP9	40	60	20	60	LP10	40	60	20	60
LP11	40	60	20	60	LP12	40	60	20	60
LP13	40	60	20	60	LP14	40	60	20	60
LP15	40	60	20	60	LP16	40	60	20	60
LP17	40	60	20	60	LP18	40	60	20	60
LP19	40	60	20	60	LP20	40	60	20	60
LP21	40	60	20	60	LP22	40	60	20	60
LP23	40	60	20	60	LP24	40	60	20	60
LP25	40	60	20	60	LP26	40	60	20	60
LP27	40	60	20	60	LP28	40	60	20	60
LP29	40	60	20	60	LP30	40	60	20	60
LP31	40	60	20	60	LP32	40	60	20	60
LP33	40	60	20	60	LP34	40	60	20	60
LP35	40	60	20	60	LP36	40	60	20	60
LP37	40	60	20	60	LP38	40	60	20	60
LP39	40	60	20	60	LP40	40	60	20	60
LP41	40	60	20	60	LP42	40	60	20	60
LP43	40	60	20	60	LP44	40	60	20	60
LP45	40	60	20	60	LP46	40	60	20	60
LP47	40	60	20	60	-	-	-	-	-
LP48	40	60	20	60	-	-	-	-	-
LP49	40	60	20	60	-	-	-	-	-
EAST SIDE TOTAL	960	1,440	480	1,440	WEST SIDE TOTAL	840	1,260	420	1,260
SUBTOTALS BY COLOR						1,800	2,700	900	2,700

TOTALS 8,100

* QUANTITIES SHOWN ELSEWHERE

NOTE:
12 AWG WIRE IS FOR EACH LUMINAIRE AND OUTLET FESTOON

STREET LIGHT SCHEDULE

LIGHT POLE NO.	LOCATION	SPV.0060.52 BASES TYPE 2 EA	SPV.0060.59 POLE TYPE 2, 30-FT EA	SPV.0060.60 LUMINAIRE ARM 6 ft EA	SPV.0060.61 * LUMINAIRE ROADWAY EA
LP1 - LP4	E RIVER - UNIVERSITY	4	4	4	4
LP9 - LP12	UNIVERSITY - HARVEY	4	4	4	4
LP13 - LP16	HARVEY - DAY	4	4	4	4
LP17 - LP20	DAY - SMITH	4	4	4	4
LP21 - LP26	SMITH - EASTMAN	6	6	6	6
LP27 - LP32	EASTMAN - REBER	6	6	6	6
LP33 - LP36	REBER - BERNER	4	4	4	4
LP37, LP39	BERNER - KLAUS	2	2	2	2
LP38, LP40 - LP49	KLAUS - RADISSON	11	11	11	11
TOTALS		45	45	45	45

* QUANTITIES SHOWN ELSEWHERE

PULL BOXES POLYMER CONCRETE 17x30x34-INCH

ITEM	LOCATION	QUADRANT	SPV.0060.50 EA
PB14	UNIVERSITY	SE	1
PB5	DAY ST	SE	1
PB6	DAY ST	SW	1
PB7	KLAUS ST	SE	1
PB8	KLAUS ST	SW	1
PB12	WEBSTER	-	1
TOTAL			6

ELECTRICAL SERVICE AND STREET LIGHT PHOTO CONTROL

LOCATION	NAME	SPV.0060.62 ELECTRICAL SERVICE METER BREAKER PEDESTAL EA	SPV.0060.63 STREET LIGHT PHOTO CONTROL 120 V EA
DAY ST, SE CORNER	FP1	1	1
KLAUS ST, SE CORNER	FP2	1	1
TOTALS		2	2

ALL ITEMS ARE CATEGORY 0010 UNLESS OTHERWISE STATED

3

REMOVING CONCRETE BASES

LOCATION	204.0195 EACH
UNIVERSITY AVE & WEBSTER AVE	10
TOTAL	**10**

REMOVING PULL BOXES

LOCATION	653.0905 EACH
UNIVERSITY AVE & WEBSTER AVE	6
TOTAL	**6**

CONCRETE BASES

BASE NO.	STATION	OFFSET	654.0101 CONCRETE BASES TYPE 1 EACH	SPV.0060.53 CONCRETE BASES SPECIAL TYPE 4 EACH	SPV.0060.58 TRAFFIC SIGNAL GROUND SLEEVE EACH
CABINET	16+27	39' RT	--	--	1
SB1	16+19	36' RT	--	1	--
SB2	16+01	55' RT	1	--	--
SB3	15+90	61' RT	1	--	--
SB4	15+10	70' RT	--	1	--
SB5	15+00	55' RT	1	--	--
SB6	14+86	38' RT	1	--	--
SB7	14+80	30' LT	--	1	--
SB8	15+00	34' LT	1	--	--
SB9	15+11	44' LT	1	--	--
SB10	15+90	53' LT	--	1	--
SB11	15+94	47' LT	1	--	--
SB12	16+04	32' LT	1	--	--
		TOTAL	**8**	**4**	**1**

NOTE: FINAL LOCATIONS TO BE DETERMINED BY THE CITY OF GREEN BAY. REFER TO THE SPECIAL PROVISIONS

CONDUIT

FROM	TO	652.0225* CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	652.0235* CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH LF
CABINET	PB1	--	87
PB1	PB2	--	33
PB2	PB3	--	321
PB3	PB4	--	369
PB1	STUB	--	3
PB2	STUB	--	3
PB3	STUB	--	3
PB4	STUB	--	3
PB4	PB1	--	324
PB1	SB1	26	--
PB1	SB2	6	--
PB1	SB3	16	--
PB2	SB4	17	--
PB2	SB5	4	--
PB2	SB6	24	--
PB3	SB7	14	--
PB3	SB8	8	--
PB3	SB9	17	--
PB4	SB10	34	--
PB4	SB11	28	--
PB4	SB12	12	--
	TOTAL	**206**	**1146**

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

PULL BOXES

PB NO.	STATION	OFFSET	SPV.0060.51 PULL BOXES POLYMER CONCRETE 24 X 36 X 36 INCH EACH
PB1	16+06 NB	58' RT	1
PB2	14+97 NB	58' RT	1
PB3	14+94 SB	29' LT	1
PB4	16+17 SB	31' LT	1
		TOTAL	**4**

NOTE: FINAL LOCATIONS TO BE DETERMINED BY THE CITY OF GREEN BAY. REFER TO THE SPECIAL PROVISIONS

SIGNAL CABLE

FROM	TO	655.0230 CABLE TRAFFIC SIGNAL 5-14 AWG LF	655.0240 CABLE TRAFFIC SIGNAL 7-14 AWG LF	655.0260 CABLE TRAFFIC SIGNAL 12-14 AWG LF	655.0270 CABLE TRAFFIC SIGNAL 15-14 AWG LF	655.0290 CABLE TRAFFIC SIGNAL 21-14 AWG LF	655.0700 LOOP DETECTOR LEAD IN LF
CABINET	SB1	--	--	--	--	61	--
SB1	HEAD 7	--	66	--	--	--	--
SB1	HEAD 8	55	--	--	--	--	--
SB1	HEAD 9	45	--	--	--	--	--
CABINET	SB2	--	--	40	--	--	--
SB2	HEAD PH6-1	18	--	--	--	--	--
SB2	HEAD PH8-2	18	--	--	--	--	--
SB2	BUTTON	--	--	--	--	--	6
SB2	BUTTON	--	--	--	--	--	6
CABINET	SB3	--	--	--	--	56	--
SB3	HEAD 11	22	--	--	--	--	--
SB3	HEAD 20	20	--	--	--	--	--
CABINET	SB4	--	--	--	--	166	--
SB4	HEAD 12	--	61	--	--	--	--
SB4	HEAD 13	50	--	--	--	--	--
SB4	HEAD 14	37	--	--	--	--	--
CABINET	SB5	--	--	--	153	--	--
SB5	HEAD PH4-1	18	--	--	--	--	--
SB5	HEAD PH6-2	18	--	--	--	--	--
SB5	BUTTON	--	--	--	--	--	6
SB5	BUTTON	--	--	--	--	--	6
CABINET	SB6	--	--	--	--	172	--
SB6	HEAD 1	22	--	--	--	--	--
SB6	HEAD 10	20	--	--	--	--	--
CABINET	SB7	--	--	--	--	276	--
SB7	HEAD 2	--	62	--	--	--	--
SB7	HEAD 3	50	--	--	--	--	--
SB7	HEAD 4	37	--	--	--	--	--
CABINET	SB8	--	--	269	--	--	--
SB8	HEAD PH4-2	18	--	--	--	--	--
SB8	BUTTON	--	--	--	--	--	6
CABINET	SB9	--	--	--	--	285	--
SB9	HEAD 15	20	--	--	--	--	--
SB9	HEAD 16	20	--	--	--	--	--
SB9	BUTTON	--	--	--	--	--	6
CABINET	SB10	--	--	--	--	183	--
SB10	HEAD 17	--	57	--	--	--	--
SB10	HEAD 18	51	--	--	--	--	--
SB10	HEAD 19	38	--	--	--	--	--
CABINET	SB11	--	--	--	176	--	--
SB11	HEAD PH2-2	18	--	--	--	--	--
SB11	HEAD PH8-1	18	--	--	--	--	--
SB11	BUTTON	--	--	--	--	--	6
SB11	BUTTON	--	--	--	--	--	6
CABINET	SB12	--	--	--	--	161	--
SB12	HEAD 5	20	--	--	--	--	--
SB12	HEAD 6	22	--	--	--	--	--
	TOTAL	**655**	**246**	**309**	**329**	**1360**	**48**

ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG

FROM	TO	655.0515 LF
EQUIPMENT GROUNDING CONDUCTORS		
CABINET	SB1	60
SB1	SB2	38
SB2	SB3	30
SB3	SB4	154
SB4	SB5	27
SB5	SB6	34
SB6	SB7	156
SB7	SB8	30
SB8	SB9	38
SB9	SB10	193
SB10	SB11	68
SB11	SB12	46
SB12	CABINET	161
PULL BOX JUMPERS		
PB1	CABINET (CTH R)	39
PB1	SB3	26
PB2	SB5	15
PB3	SB8	18
PB4	SB12	22
	TOTAL	**1155**

TRAFFIC SIGNAL ARMS AND POLES

BASE NO.	657.0100 PEDESTAL BASES EACH	657.0425 TRAFFIC SIGNAL STANDARDS ALUMINUM 15-FT EACH	657.0430 TRAFFIC SIGNAL STANDARDS ALUMINUM 10-FT EACH	SPV.0060.54 MONOTUBE POLE T4 WITH 40-FT ARM EACH	SPV.0060.55 MONOTUBE POLE T4 WITH 45-FT ARM EACH
SB1	--	--	--	--	1
SB2	1	--	1	--	--
SB3	1	1	--	--	--
SB4	--	--	--	1	--
SB5	1	--	1	--	--
SB6	1	1	--	--	--
SB7	--	--	--	1	--
SB8	1	--	1	--	--
SB9	1	1	--	--	--
SB10	--	--	--	1	--
SB11	1	--	1	--	--
SB12	1	1	--	--	--
TOTAL	**8**	**4**	**4**	**3**	**1**

LIGHTING WIRE

FROM	TO	655.0320 CABLE TYPE UF 2-10 AWG GROUNDED LF	655.0610* ELECTRICAL WIRE LIGHTING 12 AWG LF
CAB.	SB1	180	--
SB1	LUM.	--	144
SB4	SB4	489	--
SB4	LUM.	--	144
CAB.	SB10	549	--
SB10	LUM.	--	144
SB10	SB7	549	--
SB7	LUM.	--	144
	TOTAL	**1767**	**576**

* ADDITIONAL QUANTITIES ELSEWHERE

LIGHTING SUMMARY (TRAFFIC SIGNALS)

SB NO.	SPV.0060.61 * LUMINAIRE ROADWAY EACH
SB1	1
SB4	1
SB7	1
SB10	1
TOTAL	**4**

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

SIGNAL FACES & LED MODULES

SB NO.	FACE NO.	658.0173 TRAFFIC SIGNAL FACE 3S 12-INCH EACH	658.0174 TRAFFIC SIGNAL FACE 4S 12-INCH EACH	658.0416 PEDESTRIAN SIGNAL FACE 16-INCH EACH	658.0500 PEDESTRIAN PUSH BUTTON EACH
SB1	7	--	1	--	--
	8	1	--	--	--
	9	1	--	--	--
SB2	PH6-1	--	--	1	1
	PH8-2	--	--	1	1
SB3	11	--	1	--	--
	20	1	--	--	--
SB4	12	--	1	--	--
	13	1	--	--	--
	14	1	--	--	--
SB5	PH4-1	--	--	1	1
	PH6-2	--	--	1	1
SB6	1	--	1	--	--
	10	1	--	--	--
SB7	2	--	1	--	--
	3	1	--	--	--
	4	1	--	--	--
SB8	PB4-2	--	--	1	1
SB9	15	1	--	--	--
	16	--	1	--	--
	PB2-1	--	--	1	1
SB10	17	--	1	--	--
	18	1	--	--	--
	19	1	--	--	--
SB11	PH2-2	--	--	1	1
	PH8-1	--	--	1	1
SB12	5	1	--	--	--
	6	--	1	--	--
	TOTAL	**12**	**8**	**8**	**8**

3

SIGNAL MOUNTING HARDWARE (LOCATION)

LOCATION	658.5069.01 LS
UNIVERSITY AVE & WEBSTER AVE	1
TOTAL	**1**

TRAFFIC SIGNAL CABINET CONTROLLER FULLY ACTUATED 8 PHASE

BASE NO.	SPV.0060.56 TRAFFIC SIGNAL CONTROLLER EACH	SPV.0060.57 CONTROLLER CABINET 8-PHASE TS-2 ETHERNET EACH
CB1	1	1
TOTAL	**1**	**1**

EMERGENCY VEHICLE PREEMPTION SYSTEM (LOCATION)

LOCATION	SPV.0105.09 EMERGENCY VEHICLE PREEMPTION SYSTEM (LOCATION) EACH
UNIVERSITY AVE & WEBSTER AVE	1
TOTAL	**1**

VEHICULAR VIDEO DETECTION SYSTEM

LOCATION	SPV.0105.08 VEHICULAR VIDEO DETECTION SYSTEM 4-CAMERA (LOCATION) LS
UNIVERSITY AVE & WEBSTER AVE	1
TOTAL	**1**

VIDEO CAMERA NUMBER	SIGNAL BASE NO.
VDC1	SB7
VDC2	SB10
VDC3	SB1
VDC4	SB4

REMOVE TRAFFIC SIGNALS (LOCATION)

LOCATION	SPV.0105.10 LS
UNIVERSITY AVE & WEBSTER AVE	1
TOTAL	**1**

CONVENTIONAL SYMBOLS

SECTION LINE
QUARTER LINE
SIXTEENTH LINE
NEW REFERENCE LINE
NEW R/W LINE
EXISTING R/W OR HE LINE
PROPERTY LINE (P.L.)
LOT, TIE & OTHER MINOR LINES
SLOPE INTERCEPT
CORPORATE LIMITS
UNDERGROUND FACILITY (COMMUNICATIONS, ELECTRIC, ETC) (W (TYPE))
NEW R/W (FEE OR HE) (HATCHING VARIES BY OWNER)
TEMPORARY LIMITED EASEMENT AREA
EASEMENT AREA (PERMANENT LIMITED OR RESTRICTED DEVELOPMENT)
TRANSMISSION STRUCTURES
BUILDING
TO BE REMOVED
BRIDGE

SECTION CORNER SYMBOL (18 23 24 16 15 9)
SECTION CORNER MONUMENT
GEODETIC SURVEY MONUMENT
SIXTEENTH CORNER MONUMENT
SIGN (SIGN)
OFF-PREMISE SIGN (I-41-25 SIGN)

R/W MONUMENT (TO BE SET)
NON-MONUMENTED R/W POINT
FOUND IRON PIN (1-INCH UNLESS NOTED) IP

	COMPENSABLE	NON-COMPENSABLE
ELECTRIC POLE		
TELEPHONE POLE		
PEDESTAL (LABEL TYPE) (TV, TEL, ELEC, ETC.)		

ACCESS RESTRICTED BY ACQUISITION
NO ACCESS (BY STATUTORY AUTHORITY)
ACCESS RESTRICTED (BY PREVIOUS PROJECT OR CONTROL)
NO ACCESS (NEW HIGHWAY)

PARCEL NUMBER (25)
UTILITY NUMBER (40)
PARALLEL OFFSETS

CONVENTIONAL ABBREVIATIONS

ACCESS RIGHTS	AR	POINT OF INTERSECTION	PI
ACRES	AC	PROPERTY LINE	PL
AHEAD	AH	RECORDED AS	(100')
ALUMINUM	ALUM	REEL / IMAGE	R/I
AND OTHERS	ET AL	REFERENCE LINE	R/L
BACK	BK	REMAINING	REM
BLOCK	BLK	RESTICTIVE DEVELOPMENT EASEMENT	RDE
CENTERLINE	C/L	RIGHT	RT
CERTIFIED SURVEY MAP	CSM	RIGHT OF WAY	R/W
CONCRETE	CONC	SECTION	SEC
COUNTY	CO	SEPTIC VENT	SEPV
COUNTY TRUNK HIGHWAY	CTH	SQUARE FEET	SF
DISTANCE	DIST	STATE TRUNK HIGHWAY	STH
CORNER	COR	STATION	STA
DOCUMENT NUMBER	DOC	TELEPHONE PEDESTAL	TP
EASEMENT	EASE	TEMPORARY LIMITED EASEMENT	TLE
EXISTING	EX	TRANSPORTATION PROJECT PLAT	TPP
GAS VALVE	GV	UNITED STATES HIGHWAY	USH
GRID NORTH	GN	VOLUME	V
HIGHWAY EASEMENT	HE		
IDENTIFICATION	ID		
LAND CONTRACT	LC		
LEFT	LT		
MONUMENT	MON		
NATIONAL GEODETIC SURVEY	NGS		
NUMBER	NO		
OUTLOT	OL		
PAGE	P		
POINT OF TANGENCY	PT		
PERMANENT LIMITED EASEMENT	PLE		
POINT OF BEGINNING	POB		
POINT OF CURVATURE	PC		
POINT OF COMPOUND CURVE	PCC		

CURVE DATA

LONG CHORD	LCH
LONG CHORD BEARING	LCB
RADIUS	R
DEGREE OF CURVE	D
CENTRAL ANGLE	Δ/DELTA
LENGTH OF CURVE	L
TANGENT	T
DIRECTION AHEAD	DA
DIRECTION BACK	DB

CONVENTIONAL UTILITY SYMBOLS

W WATER
G GAS
T TELEPHONE
OH OVERHEAD TRANSMISSION LINES
E ELECTRIC
TV CABLE TELEVISION
FO FIBER OPTIC
SAN SANITARY SEWER
SS STORM SEWER

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), BROWN COUNTY, NAD83(2011) IN US 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 (3/4"x24" IRON REBAR WEIGHING 1.50 LBS./ LIN. FT.) AND ARE PLACED PRIOR TO OR AT THE TIME OF LAND TRANSFER.

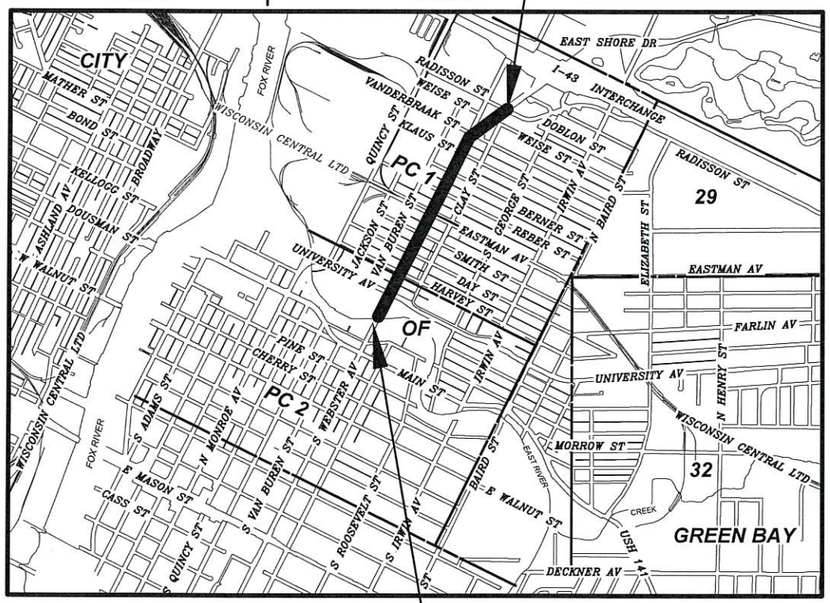
RIGHT OF WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY OR OTHER SURVEYS OF PUBLIC RECORD.

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

A TEMPORARY LIMITED EASEMENT (TLE) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON, 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 DESIRABLE. ALL TLEs ON THIS PLAT EXPIRE AT THE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS INSTRUMENT IS GIVEN.

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, AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

END RELOCATION ORDER
STA. 54+96.37NB
Y = 571,066.962
X = 105,552.139
LOCATED 89.778 FEET SOUTH AND 2704.181 FEET WEST OF THE NORTHEAST CORNER OF PRIVATE CLAIM 1 EAST SIDE OF THE FOX RIVER.



BEGIN RELOCATION ORDER
STA. 10+40.00NB
Y = 567,324.700
X = 103,239.535
LOCATED 485.730 FEET NORTH AND 2873.595 FEET WEST OF THE NORTHEAST CORNER OF PRIVATE CLAIM 2 EAST SIDE OF THE FOX RIVER.

N

LAYOUT
SCALE 0 1/2 MILE

TOTAL NET LENGTH OF CENTERLINE = 0.844 MI.

R/W PROJECT NUMBER 4987-02-64	SHEET NUMBER	TOTAL SHEETS
	4.01	7

PLAT OF RIGHT OF WAY REQUIRED FOR

N WEBSTER AVENUE
(UNIVERSITY AVENUE TO RADISSON STREET)

LOCAL STREET — BROWN COUNTY

CONSTRUCTION PROJECT NUMBER 4987-02-65

BASIS OF RIGHT OF WAY AND ACCESS CONTROL:

EXISTING RIGHT-OF-WAY FOR WEBSTER AVE SHOWN HEREON IS DETERMINED FROM WHITNEYS ADDITION, EASTMANS ADDITION, CSM 2213, JACKET 4135 IMAGE 21, AND PREVIOUS PROJECT 1220-05-24.

EXISTING RIGHT-OF-WAY FOR UNIVERSITY AVE SHOWN HEREON IS DETERMINED FROM JH ELMORES SUBDIVISION, CLEERMANS SUBDIVISION, BROWN COUNTY SURVEY MAP 1-C-26, JACKET 5774 IMAGE 16, AND PREVIOUS PROJECT 1485-1 FOR CITY OF GREEN BAY PARCELS AS NO FORMAL DEDICATION OR RESOLUTION IS ON FILE.

EXISTING RIGHT-OF-WAY FOR HARVEY STREET SHOWN HEREON IS DETERMINED FROM EASTMANS ADDITION AND CSM.

EXISTING RIGHT-OF-WAY FOR DAY STREET, SMITH STREET, EASTMAN AVENUE, REBER STREET, BERNER STREET, LEO FRIGO WAY(FKA WEBSTER), WEISE STREET, AND KLAUS STREET SHOWN HEREON IS DETERMINED FROM EASTMANS ADDITION.

EXISTING RIGHT-OF-WAY FOR VANDERBRAAK STREET SHOWN HEREON IS DETERMINED FROM EASTMANS ADDITION AND PREVIOUS PROJECT 1220-05-24.

EXISTING RIGHT-OF-WAY FOR RADISSON STREET SHOWN HEREON IS DETERMINED FROM BUSINESS MEN'S ASSOCIATION SECOND ADDITION.

EXISTING ACCESS CONTROL ALONG WEBSTER AVE SHOWN HEREON IS ESTABLISHED FROM PREVIOUS PROJECT 1220-05-24

APPROVED FOR CITY OF GREEN BAY
12/28/17 DATE
STEVE M. GRENIER, P.E.
DIRECTOR OF PUBLIC WORKS

PLAT PREPARED BY
AYRES ASSOCIATES

THE SURVEY IS PREPARED AT THE REQUEST OF THE CITY OF GREEN BAY. THE FIELD SURVEY WAS PERFORMED IN MAY/JUNE, 2016. THIS SURVEY IS ACCURATE TO THE BEST OF MY KNOWLEDGE AND BELIEF.

WISCONSIN James R. Cappeart S-3044 Green Bay Wis. LAND SURVEYOR

12/22/2017
JAMES R. CAPPEART, P.L.S. DATE
S-3044

REVISION DATE

FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\RW\4987-02-64_0401_TI.DWG
APPRAISAL DATE: 11/07/2017
PLOT DATE : 12/22/2017 2:10 PM PLOT BY : CAPPEART, JAMES PLOT NAME :

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	SHEET NUMBER	OWNER(S)	INTEREST REQUIRED	TOTAL SQ FT	R/W SQ FT REQUIRED NEW	EXISTING	TOTAL	TOTAL SQ FT REM.	TLE SQ FT	PARCEL ID
1	4.03	HOUSING AUTHORITY OF THE CITY OF GREEN BAY	FEE	9,129	9,129	0	9,129	0	-----	7-692, 7-693
2	4.03	GRUNWALD PROPERTY MANAGEMENT, LLC	FEE	5,453	5,453	0	5,453	0	-----	7-51
3	4.03	JAMES C. DRUMMOND	FEE	4,118	4,118	0	4,118	0	-----	7-38
4	4.04	REGINALD & JEAN A. DOXTATER	FEE	4,375	4,375	0	4,375	0	-----	7-230
5	4.04	JAMES & KATHLEEN F. LAWNICZAK	FEE	5,727	5,727	0	5,727	0	-----	7-341-B
6	4.04	ROGER G. DELARUELLE SR.	FEE	6,125	6,125	0	6,125	0	-----	7-341
7	4.04	PRIVATE PORTFOLIO, LLC.	FEE	5,833	5,833	0	5,833	0	-----	20-26
8	4.04	CAROL PETASEK	FEE	5,833	5,833	0	5,833	0	-----	20-24
9	4.04	ANN BURKART, a/k/a ANN MAE BURKART	FEE	8,754	8,754	0	8,754	0	-----	20-74
10	4.04	DAVID G. & JEANETTE A. KLAUS	FEE	5,867	5,867	0	5,867	0	-----	7-330
11	4.04	RICHARD J. DETIEGE SR. & BONNIE L. DETIEGE	FEE	5,613	5,613	0	5,613	0	-----	7-471
12	4.03	JAMES J. SIUDZINSKI	FEE	5,880	5,880	0	5,880	0	-----	7-691
13	4.03	BEVERLY T. MOESER	FEE	9,017	9,017	0	9,017	0	-----	7-690
14	4.03	DOUGLAS J. SCHNEIDER	FEE	5,613	5,613	0	5,613	0	-----	7-240
15	4.04	CRAIG J. PROCESS	FEE	4,375	4,375	0	4,375	0	-----	7-241
16	4.04	WILLIAM L. MOEHRING	FEE	4,375	4,375	0	4,375	0	-----	7-230-A
17	4.04	DEBRA L. MLEZIVA	FEE	5,865	5,865	0	5,865	0	-----	7-331
18	4.04	COVER RENTALS, LLC.	FEE	6,163	6,163	0	6,163	0	-----	7-469
19	4.04	NHIA V. KONG	FEE	5,723	5,723	0	5,723	0	-----	7-470
20	4.04	CROCKED WOOD CORPORATION	FEE	5,833	5,833	0	5,833	0	-----	20-25
21	4.04	ALFONSO LEDESMA HERANDEZ	FEE	8,755	8,755	0	8,755	0	-----	20-85
22	4.06	RONALD D. TORDEUR	FEE	9,083	9,083	0	9,083	0	-----	20-165
23	4.06	AVENUE INVESTMENTS LLC	FEE	9,083	9,083	0	9,083	0	-----	20-154
24	4.04	ALBA KELSEY, VENDOR, DALE J. & KATHLEEN A. KELSEY, VENDEES	FEE	8,532	8,532	0	8,532	0	-----	20-255
30	4.03	EAST RIVER OF GREEN BAY, LLC	TLE	0	0	0	0	0	2,577	7-596
31	4.03	CITY OF GREEN BAY	FEE & TLE	4,372	112	0	112	4,260	542	7-582
32	4.03	CITY OF GREEN BAY	TLE	3,239	0	0	0	3,239	473	7-582-A
33	4.03	REDEVELOPMENT AUTHORITY OF THE CITY OF GREEN BAY	TLE	10,900	0	0	0	10,900	822	7-580, 580-A, 581
34	4.03	KATIE FAMEREE	TLE	6,703	0	0	0	6,703	1,057	7-431
35	4.03	RALPH A. & BRETT A. LANGE	TLE	6,090	0	0	0	6,090	621	7-432-1
36	4.03	TODD C. ANDERSON	TLE	5,891	0	0	0	5,891	635	7-430
37	4.03	TRUSTEES OF DIOCESE OF FOND DU LAC	TLE	20,617	0	0	0	20,617	1,119	7-429
38	4.03	KENNETH H. WAGNITZ	TLE	5,734	0	0	0	5,734	175	7-251
39	4.03	GREEN BAY DRESSED BEEF, LLC	FEE & TLE	116,853	8,104	0	8,104	108,749	4,548	7-741
40	4.03	JOSEPH D. & MARY L. SOCHA	TLE	8,652	0	0	0	8,652	240	7-689
41	4.03	REDEVELOPMENT AUTHORITY OF THE CITY OF GREEN BAY	FEE	4,004	4,004	0	4,004	0	0	7-50
42	4.03	HENG HU ET. AL.	TLE	4,117	0	0	0	4,117	367	7-49
43	4.03	REDEVELOPMENT AUTHORITY OF THE CITY OF GREEN BAY	FEE	4,731	4,731	0	4,731	0	0	7-37
44	4.03	TONI M. FRITZ	TLE	0	0	0	0	0	199	7-39
45	4.04	JOSEPH R. MOORE	FEE & TLE	8,747	112	0	112	8,635	113	7-239
46	4.04	REDEVELOPMENT AUTHORITY OF THE CITY OF GREEN BAY	FEE & TLE	8,748	112	0	112	8,636	112	7-231
47	4.04	REDEVELOPMENT AUTHORITY OF THE CITY OF GREEN BAY	FEE	5,731	5,731	0	5,731	0	0	7-332
48	4.04	HENRY E. & CYNTHIA A. PIGEON	FEE & TLE	8,754	112	0	112	8,642	160	20-84
49	4.04	WILLIAM J. KEATING	FEE & TLE	8,754	109	0	109	8,645	157	20-75
50	4.04	ROBERT J. & CAROL R. BOURGUIGNON	TLE	6,066	0	0	0	6,066	125	7-250
51	4.04	JEFFREY S. & LISA A. BLEMKE	TLE	5,420	0	0	0	5,420	125	7-249
52	4.04	JAMES A. & VICTORIA L. VAN MATRE	TLE	5,421	0	0	0	5,421	130	7-248
53	4.04	SMITH STREET HOLDINGS, LLC.	TLE	8,776	0	0	0	8,776	284	7-324
54	4.04	HOME TEAM I, LLC.	TLE	6,625	0	0	0	6,625	100	7-323
55	4.04	JUAN M. BARRERA	TLE	5,411	0	0	0	5,411	488	7-323-A
56	4.04	REDEVELOPMENT AUTHORITY OF THE CITY OF GREEN BAY	TLE	2,761	0	0	0	2,761	950	7-322
57	4.04	JUSTINE ROSE PEKAREK	TLE	8,757	0	0	0	8,757	636	7-461
58	4.04	GLENN R. & KARA L. SCHROEDER	TLE	8,757	0	0	0	8,757	636	7-460
59	4.04	GEORGE B. & CHERYL A. MOTQUIN	TLE	8,757	0	0	0	8,757	40	7-459
60	4.04	REDEVELOPMENT AUTHORITY OF THE CITY OF GREEN BAY	TLE	8,757	0	0	0	8,757	40	20-23-A
61	4.04	JAMES SEIDL	TLE	5,199	0	0	0	5,199	175	20-22-A
62	4.04	MICHAEL J. DELANEY	TLE	6,710	0	0	0	6,710	175	20-92
63	4.04	BRIAN O. & TAMMY K. STERN	TLE	10,780	0	0	0	10,780	160	20-93
64	4.04	DONNA L. POLLOCK & WESLEY D. SELLERS	TLE	9,672	0	0	0	9,672	100	20-91
65	4.04	ALLEN SACOTTE	TLE	10,360	0	0	0	10,360	175	20-90
66	4.06	COPPENS RENTALS, LLC.	FEE	7,376	7,376	0	7,376	0	0	20-265
67	4.06	DEAN J. REIN	TLE	8,751	0	0	0	8,751	721	20-264
68	4.06	JOHN J. MORAN	TLE	8,751	0	0	0	8,751	50	20-263
69	4.06	CITY OF GREEN BAY	FEE	2,169	2,169	0	2,169	0	0	20-254
70	4.06	ZOZO World LLC	FEE & TLE	25,367	1,819	0	1,819	23,549	996	20-350 20-351
71	4.06	ED & ASSOCIATES	FEE & TLE	21,034	3,265	0	3,265	17,769	2,158	20-349
72	4.06	GWTGB, LLC.	FEE & TLE	43,008	2,608	0	2,608	40,400	2,643	20-452-2
73	4.06	WISCONSIN PUBLIC SERVICE CORPORATION	TLE	72,662	0	0	0	72,662	315	20-148
74	4.06	VAN LAANEN PROPERTIES, LLC.	FEE & TLE	36,333	13	0	13	36,321	453	20-144
75	4.06	CRAIG MARICQUE & LISA LEGOIS-MARICQUE	FEE & TLE	18,185	13	0	13	18,173	407	20-272
76	4.06	PAULS PANTRY, INC.	TLE	21,631	0	0	0	21,631	140	20-271
77	4.06	GREEN BAY PACKAGING, INC.	TLE	51,280	0	0	0	51,280	245	20-452-1
100	4.03	BROWN COUNTY TECHNOLOGY SERVICES	RELEASE OF RIGHTS							
101	4.03	WISCONSIN PUBLIC SERVICE CORPORATION	RELEASE OF RIGHTS							
102	4.06	AMERICAN TRANSMISSION COMPANY	RELEASE OF RIGHTS							
103	4.06	CHARTER COMMUNICATIONS	RELEASE OF RIGHTS							
104	4.06	GREEN BAY WATER UTILITY	RELEASE OF RIGHTS							

4

4

REVISION DATE
2/15/2018

DATE 12/22/2017

HWY: LOCAL STREET

COUNTY: BROWN

STATE R/W PROJECT NUMBER 4987-02-64

CONSTRUCTION PROJECT NUMBER 4987-02-65

PLAT SHEET 4.02

PS&E SHEET — 150 E

R/W POINTS STATION & OFFSET TABLE				
POINT	STATION	OFFSET	Y	X
100	11+16.51NB	35.92' RT	567372.716	103308.770
101	14+97.62NB	19.44' RT	567716.426	103477.488
102	15+11.09NB	39.44' RT	567719.260	103501.432
103	15+11.64NB	74.20' RT	567703.840	103532.595
104	14+84.55NB	50.50' RT	567690.971	103499.395
105	13+73.85NB	50.50' RT	567592.081	103449.628
106	13+09.08NB	40.51' RT	567537.157	103410.760
107	11+84.17NB	40.50' RT	567428.720	103347.009
108	15+87.40NB	62.60' LT	567833.795	103445.613
109	15+87.14NB	77.59' LT	567840.422	103432.156
110	16+02.40NB	62.85' LT	567847.246	103452.251

TLE POINTS STATION & OFFSET TABLE		
POINT	STATION	OFFSET
200	10+40.00NB	39.01' LT
201	10+40.00NB	49.01' LT
203	10+79.13NB	51.52' LT
204	10+82.82NB	46.78' LT
205	15+09.34NB	65.79' LT
206	15+86.54NB	116.55' LT
207	15+89.54NB	116.61' LT
208	15+90.14NB	77.64' LT
209	16+23.86NB	67.18' LT
210	16+68.33NB	67.89' LT
211	16+68.26NB	71.89' LT
212	17+26.42NB	74.20' LT

TLE POINTS STATION & OFFSET TABLE		
POINT	STATION	OFFSET
213	17+38.40NB	74.81' LT
214	17+91.36NB	77.02' LT
215	17+91.60NB	71.02' LT
216	19+32.35NB	75.37' LT
217	19+32.22NB	85.37' LT
218	19+42.22NB	85.53' LT
219	20+03.53NB	76.01' LT
220	21+59.00NB	75.84' LT
221	21+59.00NB	95.84' LT
222	21+64.00NB	95.83' LT
223	21+76.00NB	95.82' LT
224	21+81.00NB	95.82' LT

TLE POINTS STATION & OFFSET TABLE		
POINT	STATION	OFFSET
225	21+81.00NB	75.82' LT
226	23+31.41NB	75.66' LT
227	23+31.40NB	85.66' LT
228	23+36.40NB	85.65' LT
229	23+96.40NB	86.41' LT
230	24+01.40NB	86.41' LT
231	24+01.42NB	71.41' LT
232	24+16.42NB	71.43' LT
233	24+16.42NB	66.43' LT
234	11+04.80NB	36.80' RT
235	11+16.58NB	50.80' RT
236	13+09.08NB	50.50' RT

TLE POINTS STATION & OFFSET TABLE		
POINT	STATION	OFFSET
237	13+73.10NB	60.50' RT
238	14+90.88NB	60.50' RT
239	14+91.10NB	92.53' RT
240	15+11.92NB	92.26' RT
241	17+67.29NB	110.26' RT
242	17+65.44NB	62.25' RT
243	17+70.44NB	62.04' RT
244	17+72.28NB	110.06' RT
245	20+03.45NB	68.92' RT
246	20+03.53NB	49.92' RT
247	20+18.45NB	68.93' RT
248	20+18.53NB	49.96' RT

TLE POINTS STATION & OFFSET TABLE		
POINT	STATION	OFFSET
249	20+59.53NB	49.98' RT
250	21+14.52NB	53.04' RT
251	21+75.96NB	108.91' RT
252	21+76.00NB	69.04' RT
253	21+80.99NB	69.05' RT
254	21+80.96NB	108.91' RT

R/W COURSE TABLE		
COURSE	BEARING	DISTANCE
110-108	S26°15'59"W	15.00'
108-109	N63°47'00"W	15.00'
109-110	N71°14'30"E	21.22'

TLE COURSE TABLE		
COURSE	BEARING	DISTANCE
100-107	N34°19'29"E	67.81'
107-106	N30°27'05"E	125.79'
106-105	N35°17'11"E	67.29'
105-104	N26°42'51"E	110.71'
104-103	N68°48'47"E	35.61'
103-T240	S63°40'23"E	18.06'
T240-T239	S26°24'38"W	20.00'
T239-T238	N63°40'23"W	32.03'
T238-T237	S26°42'51"W	117.78'
T237-T236	S35°17'11"W	67.61'
T236-T235	S30°27'05"W	193.21'
T235-T234	S80°22'14"W	17.90'
T234-100	N26°08'42"E	11.74'

R/W COURSE TABLE		
COURSE	BEARING	DISTANCE
100-101	N26°08'42"E	382.89'
101-102	N83°14'57"E	24.11'
102-103	S63°40'23"E	34.77'
103-104	S68°48'47"W	35.61'
104-105	S26°42'51"W	110.71'
105-106	S35°17'11"W	67.29'
106-107	S30°27'05"W	125.79'
107-100	S34°19'29"W	67.81'

PI STA = 10+46.61NB
Y = 567330.666
X = 103242.375
DELTA = 5°00'05"
BK = N25°27'05"E
AH = N30°27'10"E

PI STA = 13+09.08NB
Y = 567556.932
X = 103375.405
DELTA = 3°44'20"
BK = N30°27'10"E
AH = N26°42'51"E

PI STA = 14+92.42NB
Y = 567720.698
X = 103457.821
DELTA = 0°30'40"
BK = N26°42'51"E
AH = N27°13'31"E

PI STA = 16+73.30NB
Y = 567881.542
X = 103540.573
DELTA = 1°25'56"
BK = N27°13'31"E
AH = N28°39'26"E

PI STA = 18+73.36NB
Y = 568057.098
X = 103636.517
DELTA = 1°25'56"
BK = N28°39'26"E
AH = N27°13'31"E

PI STA = 19+73.02NB
Y = 568145.717
X = 103682.110
DELTA = 0°45'56"
BK = N27°13'31"E
AH = N26°27'35"E

BEGIN RELOCATION
STA 10+40.00NB
Y = 567,324.700
X = 103,239.535

PLASTIC CAPPED 1" IRON PIPE
Y = 568,652.014
X = 102,493.795

NOTES:
POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), BROWN COUNTY, NAD83(2011), IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

EXISTING RIGHT-OF-WAY FOR WEBSTER AVE SHOWN HEREON IS DETERMINED FROM WHITNEYS ADDITION, EASTMANS ADDITION, CSM 2213, JACKET 4135 IMAGE 21, AND PREVIOUS PROJECT 1220-05-24.

EXISTING RIGHT-OF-WAY FOR UNIVERSITY AVE SHOWN HEREON IS DETERMINED FROM JH ELMORES SUBDIVISION, CLEERMANS SUBDIVISION, BROWN COUNTY SURVEY MAP 1-C-26, JACKET 5774 IMAGE 16, AND PREVIOUS PROJECT 1485-1 FOR CITY OF GREEN BAY PARCELS AS NO FORMAL DEDICATION OR RESOLUTION IS ON FILE.

EXISTING RIGHT-OF-WAY FOR HARVEY STREET SHOWN HEREON IS DETERMINED FROM EASTMANS ADDITION AND CSM.

EXISTING RIGHT-OF-WAY FOR DAY STREET SHOWN HEREON IS DETERMINED FROM EASTMANS ADDITION.

REVISION DATE 2/15/2018	DATE 12/22/2017	SCALE, FEET 0 50 100	HWY: LOCAL STREET	R/W PROJECT NUMBER 4987-02-64	PLAT SHEET 4.03
	GRID FACTOR N/A		COUNTY: BROWN	CONSTRUCTION PROJECT NUMBER 4987-02-65	PS&E SHEET 151 E

FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\RW\4987-02-64_0403_RP.DWG
LAYOUT NAME - 4.03
PLOT DATE : 2/15/2018 11:51 AM PLOT BY : CAPPEART, JAMES PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 75

NOTES:
POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), BROWN COUNTY, NAD83(2011), IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

EXISTING RIGHT-OF-WAY FOR WEBSTER AVE SHOWN HEREON IS DETERMINED FROM WHITNEYS ADDITION, EASTMANS ADDITION, CSM 2213, JACKET 4135 IMAGE 21, AND PREVIOUS PROJECT 1220-05-24.

EXISTING RIGHT-OF-WAY FOR SMITH STREET, EASTMAN AVENUE, REBER STREET, AND BERNER STREET SHOWN HEREON IS DETERMINED FROM EASTMANS ADDITION.

4

4

MATCH LINE STA. 24+98.30NB

MATCH LINE STA. 40+00NB

N. WEBSTER AVENUE

SMITH STREET

EASTMAN AVENUE

REBER STREET

BERNER STREET

EASTMAN'S ADDITION BLOCK 14

EASTMAN'S ADDITION BLOCK 27

EASTMAN'S ADDITION BLOCK 38

EASTMAN'S ADDITION BLOCK 47

EASTMAN'S ADDITION BLOCK 13

EASTMAN'S ADDITION BLOCK 28

EASTMAN'S ADDITION BLOCK 39

EASTMAN'S ADDITION BLOCK 46

CITY OF GREEN BAY

50 ROBERT J. & CAROL R. BOURGUIGNON — TLE FOR SLOPES
51 JEFFREY S. & LISA A. BLEMKE — TLE FOR SLOPES
52 JAMES A. & VICTORIA L. VAN MATRE — TLE FOR SLOPES
53 SMITH STREET HOLDINGS, LLC. — TLE FOR SLOPES 184 SQ.FT; TLE FOR SLOPES 100 SQ.FT
54 HOME TEAM I, LLC. — TLE FOR SLOPES
55 JUAN M. BARRERA — TLE FOR SLOPES & DRIVEWAY
56 REDEVELOPMENT AUTHORITY OF THE CITY OF GREEN BAY — TLE FOR SLOPES
57 JUSTINE ROSE PEKAREK — TLE FOR SLOPES
58 GLENN R. & KARA L. SCHROEDER — TLE FOR SLOPES & DRIVEWAY
59 GEORGE B. & CHERYL A. MOTQUIN — TLE FOR SLOPES
60 REDEVELOPMENT AUTHORITY OF THE CITY OF GREEN BAY — TLE FOR SLOPES
61 JAMES SEIDL — TLE FOR SLOPES
62 MICHAEL J. DELANEY — TLE FOR SLOPES
63 BRIAN O. & TAMMY K. STERN — TLE FOR SLOPES
64 DONNA L. POLLOCK & WESLEY D. SELLERS — TLE FOR SLOPES
65 ALLEN SACOTTE — TLE FOR SLOPES

15 CRAIG J. PROCESS
16 WILLIAM L. MOEHRING
5 JAMES & KATHLEEN F. LAWNICZAK
REDEVELOPMENT AUTHORITY OF THE CITY OF GREEN BAY
47 NHIA V. KONG
19 COVER RENTALS, LLC.
18 PRIVATE PORTFOLIO, LLC.
7 CAROL PETASEK
8 ANN BURKART, a/k/a ANN MAE BURKART
9

4 REGINALD & JEAN A. DOXTATER
46 REDEVELOPMENT AUTHORITY OF THE CITY OF GREEN BAY
6 ROGER G. DELARUELLE SR.
17 DEBRA L. MLEZIVA
10 DAVID G. & JEANETTE A. KLAUS
11 RICHARD J. DETIEGE SR. & BONNIE L. DETIEGE
20 CROOKED WOOD CORPORATION
21 ALFONSO LEDESMA HERANDEZ
48 HENRY E. & CYNTHIA A. PIGEON
49 WILLIAM J. KEATING
45 JOSEPH R. MOORE

BROWN COUNTY TECH. SERVICES (FO)
WISCONSIN PUBLIC SERVICE CORP. (ELEC)
WISCONSIN PUBLIC SERVICE CORP. (GAS)
MERIT NETWORK (FO)
SLOPE INTERCEPTS
TLE FOR SLOPES

CSM 1468 V. 6, P. 87 DOC. 832183
LOT 1
LOT 2

N26°27'35"E
N63° 53' 03"W 2700.77' TO PT. 305
S63° 31' 36"E 2705.69' TO PT. 319
N27° 09' 03"E 856.18'
N26° 05' 21"E 337.75'
S27° 09' 03"W 546.49'
N27° 09' 03"E 1402.67' COR. TO COR.
S26° 05' 21"W 3417.91' COR. TO COR.

CROSS IN CONCRETE
Y = 566,838.970
X = 106,113.130

MAG NAIL
Y = 568,087.080
X = 106,753.220

ALUMINUM CAPPED REBAR
Y = 571,156.740
X = 108,256.320

EAST LINE OF PRIVATE CLAIM 1 - EAST SIDE OF FOX RIVER

GREEN BAY

REVISION DATE 2/15/2018	DATE 12/22/2017	SCALE, FEET 0 50 100	HWY: LOCAL STREET	R/W PROJECT NUMBER 4987-02-64	PLAT SHEET 4.04
	GRID FACTOR N/A		COUNTY: BROWN	CONSTRUCTION PROJECT NUMBER 4987-02-65	PS&E SHEET 152 E

FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\RW\4987-02-64_0404-5_RP.DWG
LAYOUT NAME - 4.04
PLOT DATE : 2/15/2018 11:54 AM PLOT BY : CAPPEART, JAMES PLOT NAME : PLOT SCALE : 1 IN:100 FT

4

R/W POINTS STATION & OFFSET TABLE				
POINT	STATION	OFFSET	Y	X
304	27+25.92NB	13.25' RT	568813.843	104029.445
305	27+26.25NB	68.21' RT	568789.651	104078.792
306	25+82.39NB	68.35' RT	568660.797	104014.814
307	25+67.44NB	83.36' RT	568640.724	104021.594
308	25+55.44NB	83.37' RT	568629.975	104016.258
309	25+40.38NB	68.40' RT	568623.167	103996.147
310	24+98.35NB	68.43' RT	568585.522	103977.439
311	24+98.31NB	13.49' RT	568609.969	103928.236
312	36+27.32NB	12.43' RT	569621.185	104430.344
313	39+57.66NB	12.36' RT	569916.950	104577.462
314	39+57.62NB	67.44' RT	569892.378	104626.762
315	38+13.47NB	67.54' RT	569763.277	104562.619

R/W POINTS STATION & OFFSET TABLE				
POINT	STATION	OFFSET	Y	X
316	37+98.46NB	82.55' RT	569743.154	104569.370
317	37+86.46NB	82.55' RT	569732.410	104564.027
318	37+71.47NB	67.56' RT	569725.665	104543.926
319	36+27.31NB	67.66' RT	569596.567	104479.778

TLE POINTS STATION & OFFSET TABLE		
POINT	STATION	OFFSET
400	25+50.87NB	66.57' LT
401	25+50.83NB	91.56' LT
402	25+55.83NB	91.57' LT
403	25+55.87NB	66.57' LT
404	25+67.87NB	66.58' LT
405	25+67.83NB	91.59' LT
406	25+72.83NB	91.60' LT
407	25+72.87NB	66.59' LT
408	27+07.32NB	66.73' LT
409	27+07.32NB	68.73' LT
410	27+22.32NB	68.74' LT
411	27+22.28NB	86.74' LT

TLE POINTS STATION & OFFSET TABLE		
POINT	STATION	OFFSET
412	27+27.28NB	86.75' LT
413	27+27.32NB	66.75' LT
414	27+87.28NB	86.81' LT
415	27+95.28NB	86.81' LT
416	27+95.32NB	68.81' LT
417	28+07.32NB	68.81' LT
418	28+07.32NB	66.82' LT
419	27+87.32NB	66.81' LT
420	29+41.20NB	66.80' LT
421	29+41.16NB	86.80' LT
422	29+46.16NB	86.81' LT
423	29+46.20NB	66.81' LT

TLE POINTS STATION & OFFSET TABLE		
POINT	STATION	OFFSET
424	29+58.20NB	66.81' LT
425	29+58.16NB	86.84' LT
426	29+63.16NB	86.85' LT
427	29+63.20NB	66.82' LT
428	30+18.15NB	66.82' LT
429	30+18.13NB	76.82' LT
430	31+07.06NB	76.82' LT
431	31+06.94NB	121.83' LT
432	31+16.94NB	121.83' LT
433	31+17.08NB	66.82' LT
435	32+37.05NB	78.88' LT
436	33+43.13NB	78.99' LT

TLE POINTS STATION & OFFSET TABLE		
POINT	STATION	OFFSET
437	33+43.14NB	66.99' LT
438	33+91.18NB	67.04' LT
439	33+91.17NB	75.04' LT
440	33+96.17NB	75.05' LT
441	33+96.18NB	67.05' LT
442	34+08.17NB	75.06' LT
443	34+13.17NB	75.06' LT
444	34+08.18NB	67.06' LT
445	34+13.18NB	67.06' LT
446	35+21.18NB	58.83' LT
447	35+47.28NB	72.20' LT
448	35+62.28NB	72.22' LT

TLE POINTS STATION & OFFSET TABLE		
POINT	STATION	OFFSET
449	35+62.25NB	87.22' LT
450	35+67.25NB	87.23' LT
451	35+67.28NB	67.23' LT
452	36+27.29NB	67.57' LT
453	36+27.25NB	87.57' LT
454	36+32.25NB	87.57' LT
455	36+32.27NB	72.57' LT
456	36+47.27NB	72.57' LT
457	36+47.28NB	67.57' LT
458	37+78.49NB	67.60' LT
459	37+78.47NB	87.60' LT
460	37+86.47NB	87.60' LT

TLE POINTS STATION & OFFSET TABLE		
POINT	STATION	OFFSET
461	37+86.49NB	67.60' LT
462	37+98.49NB	67.61' LT
463	37+98.47NB	87.61' LT
464	38+03.47NB	87.61' LT
465	38+03.49NB	67.61' LT
466	39+37.70NB	67.64' LT
467	39+37.70NB	72.62' LT
468	39+52.70NB	72.64' LT
469	39+52.68NB	87.64' LT
470	39+57.68NB	87.64' LT
471	39+57.70NB	67.64' LT
472	38+33.61NB	67.83' RT

TLE POINTS STATION & OFFSET TABLE		
POINT	STATION	OFFSET
473	38+33.61NB	72.83' RT
474	38+08.17NB	72.83' RT
475	38+03.46NB	77.55' RT
476	38+03.46NB	87.83' RT
477	37+98.46NB	87.83' RT
478	37+86.46NB	87.90' RT
479	37+81.46NB	87.90' RT
480	37+81.46NB	77.56' RT
481	37+76.81NB	72.90' RT
482	37+51.50NB	72.91' RT
483	37+51.50NB	67.58' RT
484	26+02.34NB	68.33' RT

TLE POINTS STATION & OFFSET TABLE		
POINT	STATION	OFFSET
485	26+02.36NB	73.33' RT
486	25+77.39NB	73.35' RT
487	25+45.40NB	73.39' RT
488	25+20.36NB	73.40' RT
489	25+20.34NB	68.40' RT

R/W COURSE TABLE		
COURSE	BEARING	DISTANCE
305-306	S26°24'19"W	143.86'
306-307	S18°39'47"E	21.19'
307-308	S26°24'04"W	12.00'
308-309	S71°17'55"W	21.23'
309-310	S26°25'28"W	42.04'
310-311	N63°34'44"W	54.94'
311-304	N26°24'04"E	227.61'
304-305	S63°53'03"E	54.96'

R/W COURSE TABLE		
COURSE	BEARING	DISTANCE
319-312	N63°31'36"W	55.22'
312-313	N26°26'47"E	330.33'
313-314	S63°30'26"E	55.09'
314-315	S26°25'14"W	144.16'
315-316	S18°32'54"E	21.22'
316-317	S26°26'20"W	12.00'
317-318	S71°27'10"W	21.20'
318-319	S26°25'22"W	144.16'

4

REVISION DATE
2/15/2018

DATE 12/22/2017

GRID FACTOR N/A

HWY: LOCAL STREET

COUNTY: BROWN

R/W PROJECT NUMBER 4987-02-64

CONSTRUCTION PROJECT NUMBER 4987-02-65

PLAT SHEET 4.05

PS&E SHEET 153

E

FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\RW\4987-02-64_0404-5_RP.DWG
LAYOUT NAME - 4.05

PLOT DATE : 2/15/2018 11:52 AM

PLOT BY : CAPPEART, JAMES

PLOT NAME :

PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 75

CITY OF GREEN BAY

EASTMAN'S ADDITION BLOCK 58
EASTMAN'S ADDITION BLOCK 59
EASTMAN'S ADDITION BLOCK 66
EASTMAN'S ADDITION BLOCK 67
EASTMAN'S ADDITION BLOCK 78
EASTMAN'S ADDITION BLOCK 79
EASTMAN'S ADDITION BLOCK 86

BERNER STREET
KLAUS STREET
VANDERBRAAK STREET
RADISSON STREET
WEISE STREET
LEO FRIGO WAY
N. WEBSTER AVENUE
N. CLAY STREET

MATCH LINE STA. 40+00NB

102 VARYING WIDTH ELECTRIC EASEMENT CASE FILE 89-CV-1416 ASSIGNED TO AMERICAN TRANSMISSION COMPANY, LLC., DOC. 1594209

102 5' WPS TREE TRIMMING & CLEARING EASEMENT JACKET 15148, IMAGE 18, DOC. 1203148 ASSIGNED TO AMERICAN TRANSMISSION COMPANY, LLC., DOC. 1788440

73 WISCONSIN PUBLIC SERVICE CORPORATION

74 VAN LAANEN PROPERTIES, LLC BLDG.

75 CRAIG MARICQUE & LISA LEGOIS-MARICQUE

76 PAULS PANTRY, INC.

77 GREEN BAY PACKAGING, INC. BLDG.

22 RONALD D. TORDEUR

23 AVENUE INVESTMENTS LLC

24 ALBA KELSEY, VENDOR DALE J. & KATHLEEN A. KELSEY, VENDEES

66 COPPENS RENTALS, LLC

67 DEAN J. REIN

68 JOHN J. MORAN TLE FOR SLOPES

69 CITY OF GREEN BAY

70 ZOZO WORLD, LLC

71 ED & ASSOCIATES

72 GWTGB, LLC
LOT 1 CSM 5099 V. 33, P. 136 DOC. 1479434

101 WISCONSIN PUBLIC SERVICE CORPORATION

102 AMERICAN TRANSMISSION COMPANY FIBER OPTIC LINE

102 AMERICAN TRANSMISSION COMPANY

103 CHARTER COMMUNICATIONS FIBER OPTICS & TV

104 GREEN BAY WATER UTILITY

40NB N26°27'35"E 42NB
44NB
46NB
48NB
50NB N51°30'17"E
52NB
54NB

PI: 46+37.92NB
PT: 49+17.43
PC: 43+49.18
PC: 52+58.44
PT: 53+30.50

BEGIN RELOCATION
STA 54+96.37NB
Y = 571066.962
X = 105552.139

POST
S51° 37' 27"W 41.47'
S36° 59' 21"W 113.88'

CHARTER COMMUNICATIONS (FO)
MERIT NETWORK (FO)
BROWN COUNTY TECH. SERVICES (FO)
WISCONSIN PUBLIC SERVICE CORPORATION (GAS)
WISCONSIN PUBLIC SERVICE CORPORATION (ELEC)
WISCONSIN INDEPENDENT NETWORK (FO)
SLOPE INTERCEPTS
TORNADO SIREN
TLE DRAINAGE WORK
TLE FOR SLOPES 25 SQ FT
TLE FOR SLOPES 696 SQ FT
TLE FOR SLOPES
CHARTER COMMUNICATIONS (TV)
12' UTILITY EASEMENT CSM 5099

NOTES:
POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), BROWN COUNTY, NAD83(2011), IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

EXISTING RIGHT-OF-WAY FOR WEBSTER AVE SHOWN HEREON IS DETERMINED FROM WHITNEYS ADDITION, EASTMANS ADDITION, CSM 2213, JACKET 4135 IMAGE 21, AND PREVIOUS PROJECT 1220-05-24.

EXISTING RIGHT-OF-WAY FOR BERNER STREET, LEO FRIGO WAY(FKA WEBSTER), WEISE STREET, AND KLAUS STREET SHOWN HEREON IS DETERMINED FROM EASTMANS ADDITION.

EXISTING RIGHT-OF-WAY FOR VANDERBRAAK STREET SHOWN HEREON IS DETERMINED FROM EASTMANS ADDITION AND PREVIOUS PROJECT 1220-05-24.

EXISTING RIGHT-OF-WAY FOR RADISSON STREET SHOWN HEREON IS DETERMINED FROM BUSINESS MEN'S ASSOCIATION SECOND ADDITION.

EXISTING ACCESS CONTROL ALONG WEBSTER AVE SHOWN HEREON IS ESTABLISHED FROM PREVIOUS PROJECT 1220-05-24

PI STA = 46+37.92NB
Y = 570531.462
X = 104869.504
DELTA = 25°02'42"
D = 4°24'27"
T = 288.74'
L = 568.25'
R = 1300.00'
PC STA = 43+49.18NB
Y = 570272.970
X = 104740.852
PT STA = 49+17.43NB
Y = 570711.187
X = 105095.487
BK = N26°27'35"E
AH = N51°30'17"E

PI STA = 52+94.47NB
Y = 570945.873
X = 105390.576
DELTA = 1°38'39"
D = 2°16'54"
T = 36.03'
L = 72.06'
R = 2511.00'
PC STA = 52+58.44NB
Y = 570923.444
X = 105362.375
PT STA = 53+30.50NB
Y = 570967.484
X = 105419.410
BK = N51°30'17"E
AH = N53°08'56"E

MAG NAIL
Y = 568,087.080
X = 106,753.220

N26° 05' 21"E 1120.71'
N63° 34' 42"W 2700.85' TO T625
N63° 28' 59"W 2493.33' TO T507
S26° 05' 21"W 1313.91'
S26° 05' 21"W 3417.91' COR. TO COR.
EAST LINE OF PRIVATE CLAIM 1 - EAST SIDE OF FOX RIVER

ALUMINUM CAPPED REBAR
Y = 571,156.740
X = 108,256.320

PC1 31 29
PC44 29

REVISION DATE 2/15/2018	DATE 2/18/2018	SCALE, FEET 0 50 100	HWY: LOCAL STREET	R/W PROJECT NUMBER 4987-02-64	PLAT SHEET 4.06
	GRID FACTOR N/A		COUNTY: BROWN	CONSTRUCTION PROJECT NUMBER 4987-02-65	PS&E SHEET 154 E

FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\RW\4987-02-64_0406-7_RP.DWG
LAYOUT NAME - 4.06
PLOT DATE : 2/15/2018 12:09 PM PLOT BY : CAPPEART, JAMES PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 75

4

R/W POINTS STATION & OFFSET TABLE				
POINT	STATION	OFFSET	Y	X
500	43+42.67NB	67.63' LT	570297.269	104677.406
501	43+47.68NB	72.63' LT	570303.978	104675.162
502	43+47.67NB	67.63' LT	570301.744	104679.635
503	44+04.54NB	73.85' LT	570357.676	104701.911
504	44+09.49NB	69.08' LT	570359.926	104708.616
505	44+04.74NB	68.85' LT	570355.450	104706.388
506	54+86.65NB	39.11' RT	571029.834	105567.816
507	54+91.35NB	48.50' RT	571025.145	105577.214
508	53+30.50NB	48.50' RT	570928.674	105448.498
509	52+58.44NB	48.50' RT	570885.485	105392.564
510	49+12.64NB	48.50' RT	570670.346	105122.065
511	49+13.25NB	27.45' RT	570687.145	105109.374

TLE POINTS STATION & OFFSET TABLE		
POINT	STATION	OFFSET
600	40+17.70NB	67.74' LT
601	40+17.68NB	87.74' LT
602	40+22.68NB	87.74' LT
603	40+22.70NB	72.74' LT
604	40+37.70NB	72.73' LT
605	40+37.70NB	67.73' LT
606	43+22.67NB	67.63' LT
607	43+22.67NB	72.63' LT
608	43+42.67NB	72.63' LT
609	43+42.65NB	112.63' LT
610	43+47.65NB	112.63' LT
611	44+02.96NB	113.81' LT
612	44+07.55NB	114.03' LT
613	44+09.27NB	74.07' LT
614	44+23.43NB	74.84' LT

TLE POINTS STATION & OFFSET TABLE		
POINT	STATION	OFFSET
615	44+23.71NB	69.85' LT
616	54+96.37NB	58.50' RT
617	53+30.50NB	58.50' RT
618	52+58.44NB	58.50' RT
619	49+27.92NB	89.19' RT
620	45+88.97NB	112.33' RT
621	45+83.58NB	113.24' RT
622	45+73.39NB	60.00' RT
623	44+91.76NB	60.00' RT
624	45+76.55NB	48.37' RT
625	44+10.98NB	66.04' RT
626	44+16.24NB	65.80' RT
627	44+16.52NB	70.79' RT
628	44+11.24NB	71.04' RT
629	41+75.69NB	67.68' LT

TLE POINTS STATION & OFFSET TABLE		
POINT	STATION	OFFSET
630	41+75.67NB	87.68' LT
631	41+89.67NB	87.68' LT
632	41+89.69NB	67.68' LT
633	45+54.41NB	84.77' LT
634	45+51.50NB	104.52' LT
635	45+63.37NB	106.59' LT
636	45+66.45NB	86.87' LT
637	52+58.44NB	60.61' LT
638	52+58.44NB	75.00' LT
639	52+75.00NB	75.00' LT
640	52+75.00NB	60.63' LT

R/W COURSE TABLE		
COURSE	BEARING	DISTANCE
502-500	S26°28'47"W	5.00'
500-501	N18°29'20"W	7.07'
501-502	S63°27'26"E	5.00'

R/W COURSE TABLE		
COURSE	BEARING	DISTANCE
505-503	N63°33'33"W	5.00'
503-504	N71°27'07"E	7.07'
504-505	S26°27'46"W	5.00'

R/W COURSE TABLE		
COURSE	BEARING	DISTANCE
507-506	N63°28'59"W	10.50'
506-511	S53°13'17"W	572.37'
511-510	S37°04'08"E	21.05'
510-509	N51°30'11"E	345.62'
509-508	SEE R/W CURVE TABLE	
508-507	N53°08'56"E	160.86'

R/W CURVE TABLE				
CURVE	LENGTH	RADIUS	LONG CHORD	LONG CHORD BEARING
508-509	70.67'	2462.50'	70.67'	N52°19'36"E

TLE COURSE TABLE		
COURSE	BEARING	DISTANCE
T625-T624	N26° 28' 12"E	159.16'
T624-T620	S63°33'58"E	65.01'
T620-T621	S26°27'35"W	5.00'
T621-T622	N63°33'58"W	54.08'
T622-T623	S34°32'32"W	77.85'
T623-T624	N26°28'12"E	82.07'

TLE COURSE TABLE		
COURSE	BEARING	DISTANCE
T640-T637	S51°37'27"W	16.96'
T637-T638	N38°29'43"W	14.39'
T638-T639	N51°41'37"E	17.06'
T639-T640	S38°07'03"E	14.37'

TLE COURSE TABLE		
COURSE	BEARING	DISTANCE
507-T616	S63°28'59"E	11.19'
T616-T617	S53°08'56"W	165.87'
T617-T618	SEE TLE CURVE TABLE	
T618-T619	S51°30'11"W	345.87'
T619-510	N37°04'08"W	10.00'
510-509	N51°30'11"E	345.62'
509-508	SEE TLE CURVE TABLE	
508-507	N53°08'56"E	160.86'

TLE CURVE TABLE				
CURVE	LENGTH	RADIUS	LONG CHORD	LONG CHORD BEARING
T617-T618	70.38'	2452.50'	70.38'	S52°19'36"W
509-508	70.67'	2462.50'	70.67'	N52°19'36"E

4

REVISION DATE
2/15/2018

DATE 12/22/2017

GRID FACTOR N/A

HWY: LOCAL STREET

COUNTY: BROWN

R/W PROJECT NUMBER 4987-02-64

CONSTRUCTION PROJECT NUMBER 4987-02-65

PLAT SHEET 4.07

PS&E SHEET — 155

E

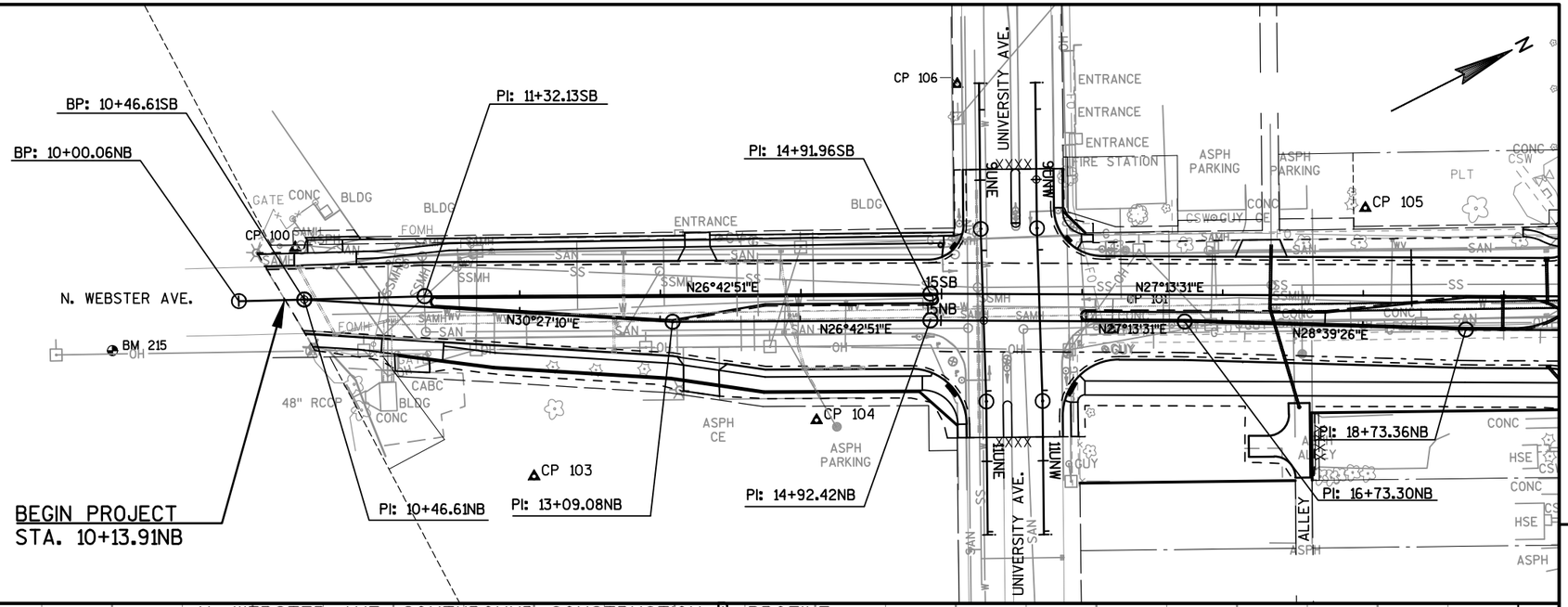
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LAYOUT NAME - 4.07

PLOT DATE : 2/15/2018 11:59 AM PLOT BY : CAPPEART, JAMES PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 75

BENCH MARKS

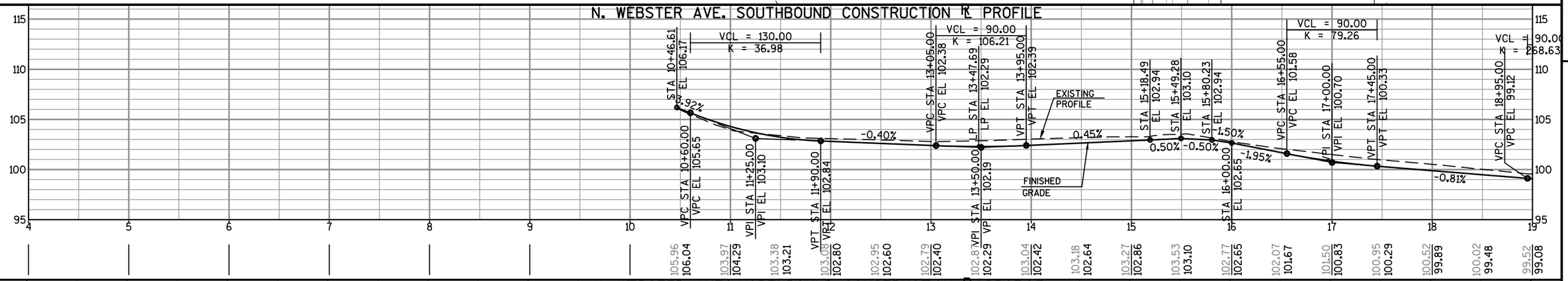
NO.	STATION	DESCRIPTION	ELEV.
215	9+09	ALUM. CAP SE WINGWALL-33' RT.	109.66



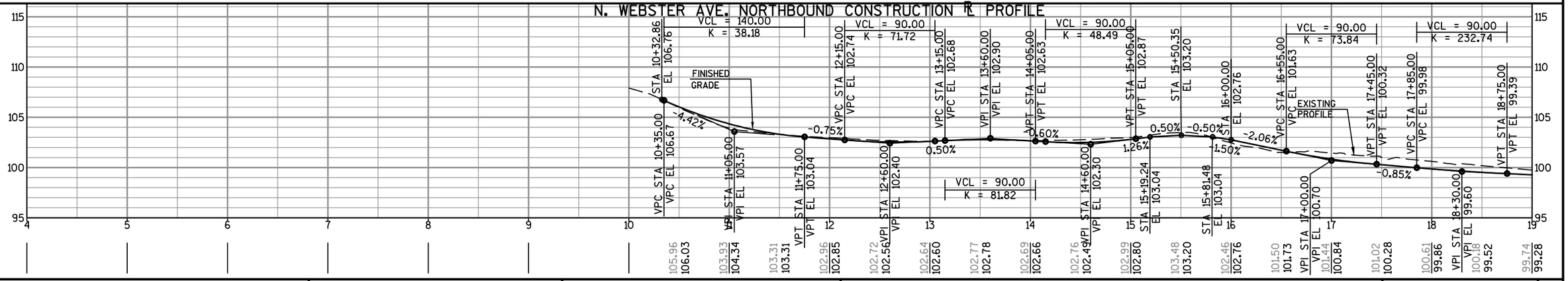
5

5

N. WEBSTER AVE. SOUTHBOUND CONSTRUCTION ℄ PROFILE



N. WEBSTER AVE. NORTHBOUND CONSTRUCTION ℄ PROFILE



PROJECT NO: 4987-02-65	HWY: N. WEBSTER AVE.	COUNTY: BROWN	PLAN AND PROFILE:	SHEET 156 E

STA BK=19+72.43
STA AH=19+73.18

EQUATION

PI STA. 19+73.18SB N. WEBSTER AVE. AH=
STA. 9+76.00HV HARVEY ST.

STA. 23+66.62NB N. WEBSTER AVE.=
STA. 9+75.99DY DAY ST.

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
216	20+76	SE COR. CONC. PAD-76' LT.	99.47

STA. 27+56.36SB N. WEBSTER AVE.=
STA. 9+76.00SM SMITH ST.

STA. 31+42.05SB N. WEBSTER AVE.=
STA. 9+76.00EMS EASTMAN ST.

STA. 32+16.49SB N. WEBSTER AVE.=
STA. 9+87.5EMN EASTMAN ST.

BM 216

BM 217

CP 107

CP 109

CP 111

CP 114

CP 102

CP 108

CP 110

CP 112

CP 113

20SB

20NB

25SB

25NB

30SB

30NB

N. WEBSTER AVE.

HARVEY ST.

DAY ST.

SMITH ST.

EASTMAN AVE.

CANADIAN NATIONAL RR

ALLEY

PI: 19+73.02

STA. 23+67.35NB N. WEBSTER AVE.=
STA. 10+00.00DY DAY ST.

STA. 27+56.45NB N. WEBSTER AVE.=
STA. 10+00.00SM SMITH ST.

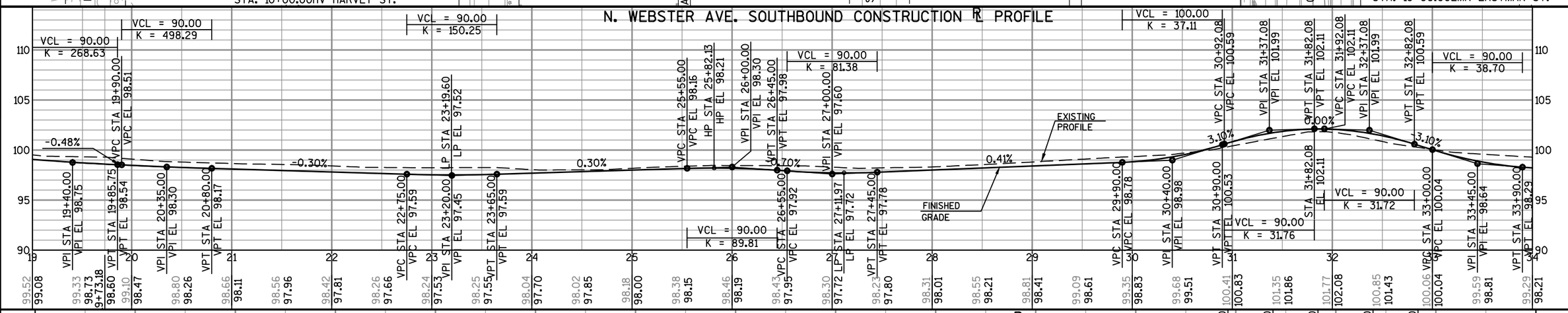
PI STA. 19+73.02NB N. WEBSTER AVE.=
STA. 10+00.00HV HARVEY ST.

STA. 31+42.12NB N. WEBSTER AVE.=
STA. 10+00.00EMS EASTMAN ST.

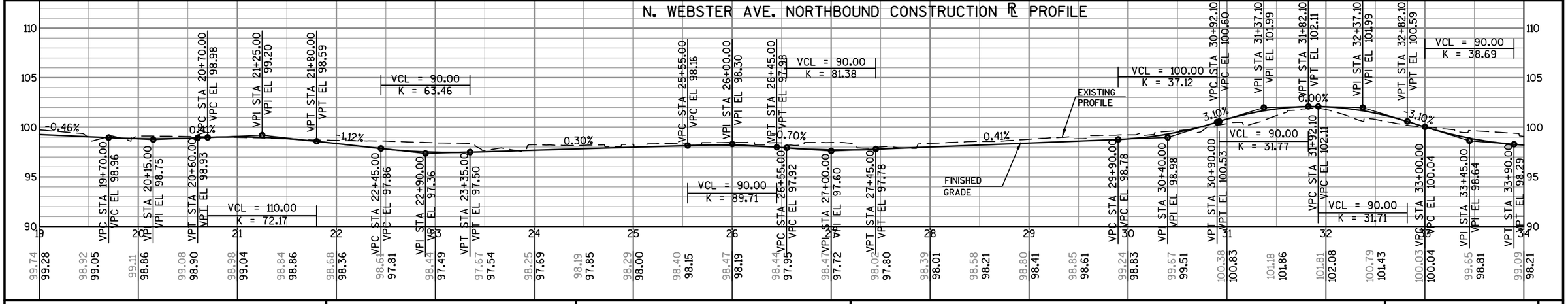
STA. 32+19.02NB N. WEBSTER AVE.=
STA. 10+00.00EMN EASTMAN ST.

5

N. WEBSTER AVE. SOUTHBOUND CONSTRUCTION ℄ PROFILE



N. WEBSTER AVE. NORTHBOUND CONSTRUCTION ℄ PROFILE



PROJECT NO: 4987-02-65	HWY: N. WEBSTER AVE.	COUNTY: BROWN	PLAN AND PROFILE:	SHEET E

FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\050102 PP.DWG
LAYOUT NAME - 050102 PP
PLOT DATE : 10/31/2018 7:32 PM PLOT BY : VERVILLE, PHILLIP PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

STA. 35+97.09SB N. WEBSTER AVE.=
STA. 9+76.00RB REBER ST.

STA. 39+87.68SB N. WEBSTER AVE.=
STA. 9+76.00 BERNER ST.

STA. 43+77.39SB N. WEBSTER AVE.=
STA. 9+75.97KL KLAUS ST.

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
207	35+66	LARGE "OP" ON HYDRANT-59' LT.	101.20
218	40+37	NW COR. STEEL PLATE-59' LT.	100.59

CP 114 · CP 115 · CP 116 · CP 117 · CP 118 · CP 119 · CP 120

BM 207 · BM 218

35SB · 35NB · 40SB · 40NB · 45SB · 45NB

N26°27'35"E

N. WEBSTER AVE.

STA. 35+97.52SB N. WEBSTER AVE.=
STA. 10+00.00RB REBER ST.

STA. 39+87.44NB N. WEBSTER AVE.=
STA. 10+00.00 BERNER ST.

STA. 43+77.83NB N. WEBSTER AVE.=
STA. 10+00.00KL KLAUS ST.

STA. 48+50.00NB N. WEBSTER AVE.=
STA. 10+00.00VB VANDERBRAAK ST.

N. WEBSTER NORTHBOUND ℄ CURVE DATA	N. WEBSTER SOUTHBOUND ℄ CURVE DATA
PI STA = 46+37.92	PI STA = 46+38.53
Y = 570531.462	Y = 570542.698
X = 104869.504	X = 104848.288
DELTA = 25°02'42"	DELTA = 25°02'42"
D = 4°24'27"	D = 4°24'27"
T = 288.74'	T = 288.74'
L = 568.25'	L = 568.25'
R = 1300.00'	R = 1300.00'
PC STA = 43+49.18	PC STA = 43+49.79
PT STA = 49+17.43	PT STA = 49+07.82

PC: 43+49.79 · PC: 43+49.8 · PT: 49+07.82 · PT: 49+07.43

ALLEY · REBER ST. · BERNER ST. · KLAUS ST. · VANDERBRAAK ST. · LEO FRIGO DR. · FLAG POLE · ASPH PARKING

STA BACK = 49+18.04
STA AHEAD = 49+08.84

5 5

N. WEBSTER AVE. SOUTHBOUND CONSTRUCTION ℄ PROFILE

VCL = 120.00, K = 102.23 · VCL = 90.00, K = 103.07 · VCL = 90.00, K = 102.50 · VCL = 120.00, K = 156.35

LP STA 35+49.57, LP EL 97.36 · LP STA 44+25.71, LP EL 96.47 · LP STA 47+71.86, LP EL 97.21

VPC STA 34+70.00, VPC EL 97.67 · VPC STA 36+90.00, VPC EL 97.83 · VPC STA 39+27.00, VPI EL 97.23 · VPC STA 40+10.00, VPC EL 97.56 · VPC STA 43+85.00, VPC EL 96.55 · VPC STA 46+20.00, VPC EL 97.28

VPI STA 35+30.00, VPI EL 97.20 · VPI STA 37+50.00, VPI EL 98.07 · VPI STA 39+72.00, VPT EL 97.41 · VPI STA 40+70.00, VPI EL 97.80 · VPI STA 44+30.00, VPI EL 96.37 · VPI STA 46+65.00, VPI EL 97.50

VPT STA 35+90.00, VPT EL 97.44 · VPT STA 38+10.00, VPT EL 97.79 · VPT STA 41+30.00, VPT EL 97.56 · VPT STA 44+75.00, VPT EL 96.59 · VPT STA 47+10.00, VPT EL 97.34

HP STA 37+44.54, HP EL 97.94 · HP STA 40+10.10, HP EL 97.68 · HP STA 46+71.25, HP EL 97.41

VCL = 120.00, K = 137.93 · VCL = 120.00, K = 150.79 · VCL = 90.00, K = 106.57

VPC STA 38+82.00, VPC EL 97.44 · VPC STA 47+15.00, VPC EL 97.32

VPI STA 47+75.00, VPI EL 97.10

VPT STA 48+35.00, VPT EL 97.34

EXISTING PROFILE · FINISHED GRADE

-0.78% · 0.40% · -0.47% · 0.40% · -0.40% · 0.48% · 0.36%

105 · 100 · 95 · 90 · 34 · 35 · 36 · 37 · 38 · 39 · 40 · 41 · 42 · 43 · 44 · 45 · 46 · 47 · 48 · 49

99.29 98.21 · 99.02 97.82 · 98.81 97.48 · 98.62 97.36 · 98.38 97.48 · 98.57 97.67 · 98.71 97.87 · 98.88 97.94 · 99.05 97.83 · 99.03 97.60 · 98.81 97.37 · 98.62 97.35 · 98.76 97.52 · 98.72 97.67 · 98.81 97.65 · 98.69 97.48 · 98.44 97.28 · 98.26 97.09 · 98.05 96.89 · 97.78 96.69 · 97.80 96.50 · 97.83 96.50 · 97.88 96.71 · 98.01 96.95 · 98.16 97.19 · 98.28 97.39 · 98.46 97.37 · 98.57 97.23 · 98.59 97.24 · 98.63 97.40 · 98.84 97.60

N. WEBSTER AVE. NORTHBOUND CONSTRUCTION ℄ PROFILE

VCL = 120.00, K = 102.23 · VCL = 90.00, K = 103.07 · VCL = 90.00, K = 100.55 · VCL = 120.00, K = 148.43

LP STA 35+49.57, LP EL 97.36 · LP STA 44+24.94, LP EL 96.47 · LP STA 47+71.67, LP EL 97.24

VPC STA 34+70.00, VPC EL 97.67 · VPC STA 36+90.00, VPC EL 97.83 · VPC STA 39+27.00, VPI EL 97.23 · VPC STA 40+10.00, VPC EL 97.56 · VPC STA 43+85.00, VPC EL 96.55 · VPC STA 46+20.00, VPC EL 97.32

VPI STA 35+30.00, VPI EL 97.20 · VPI STA 37+50.00, VPI EL 98.07 · VPI STA 39+72.00, VPT EL 97.41 · VPI STA 40+70.00, VPI EL 97.80 · VPI STA 44+30.00, VPI EL 96.37 · VPI STA 46+65.00, VPI EL 97.54

VPT STA 35+90.00, VPT EL 97.44 · VPT STA 38+10.00, VPT EL 97.79 · VPT STA 41+30.00, VPT EL 97.56 · VPT STA 44+75.00, VPT EL 96.59 · VPT STA 47+10.00, VPT EL 97.37

HP STA 37+44.54, HP EL 97.94 · HP STA 40+10.10, HP EL 97.68 · HP STA 46+70.94, HP EL 97.44

VCL = 120.00, K = 137.93 · VCL = 120.00, K = 150.79 · VCL = 90.00, K = 102.31

VPC STA 38+82.00, VPC EL 97.44 · VPC STA 47+15.00, VPC EL 97.35

VPI STA 47+75.00, VPI EL 97.12

VPT STA 48+35.00, VPT EL 97.38

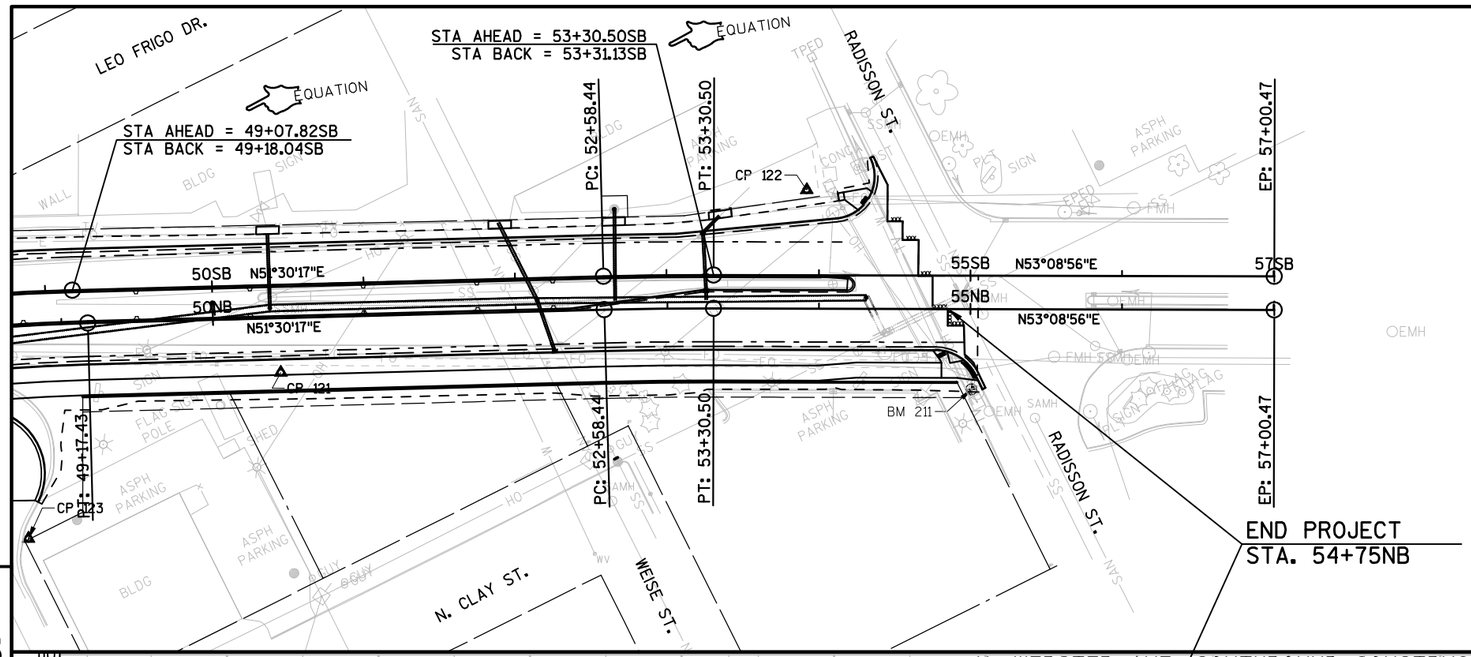
EXISTING PROFILE · FINISHED GRADE

-0.78% · 0.40% · -0.47% · -0.40% · -0.40% · 0.50% · 0.38%

105 · 100 · 95 · 90 · 34 · 35 · 36 · 37 · 38 · 39 · 40 · 41 · 42 · 43 · 44 · 45 · 46 · 47 · 48 · 49

99.09 98.21 · 99.10 97.82 · 98.86 97.48 · 98.62 97.36 · 98.22 97.48 · 98.63 97.67 · 98.77 97.87 · 98.93 97.94 · 99.00 97.83 · 99.16 97.60 · 99.05 97.37 · 98.76 97.35 · 98.50 97.52 · 98.92 97.67 · 98.80 97.65 · 98.63 97.48 · 98.52 97.28 · 98.30 97.08 · 98.15 96.89 · 97.38 96.69 · 97.60 96.50 · 97.94 96.50 · 97.94 96.72 · 97.65 96.97 · 97.75 97.22 · 97.87 97.42 · 98.04 97.40 · 98.27 97.26 · 98.44 97.27 · 98.57 97.44 · 98.85 97.65

PROJECT NO: 4987-02-65	HWY: N. WEBSTER AVE.	COUNTY: BROWN	PLAN AND PROFILE:	SHEET 158 E



BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
211	55+01	"MUE" ON HYDRANT-53' RT.	102.72
219	58+32	SW BOLT LIGHT POLE-50' RT.	104.13
212	59+70	TAG BOLT ON HYDRANT-63' RT.	99.17

BM 219

BM 212

N

143

N. WEBSTER NORTHBOUND ℄ CURVE DATA

PI STA = 52+94.79
Y = 570963.288
X = 105377.130
DELTA = 1°38'39"
D = 2°15'43"
T = 36.35'
L = 72.69'
R = 2533.00'
PC STA = 52+58.44
Y = 570940.663
X = 105348.681
PT STA = 53+30.50
Y = 570985.088
X = 105406.216
BK = N51°30'16.5"E
AH = N53°08'56.0"E

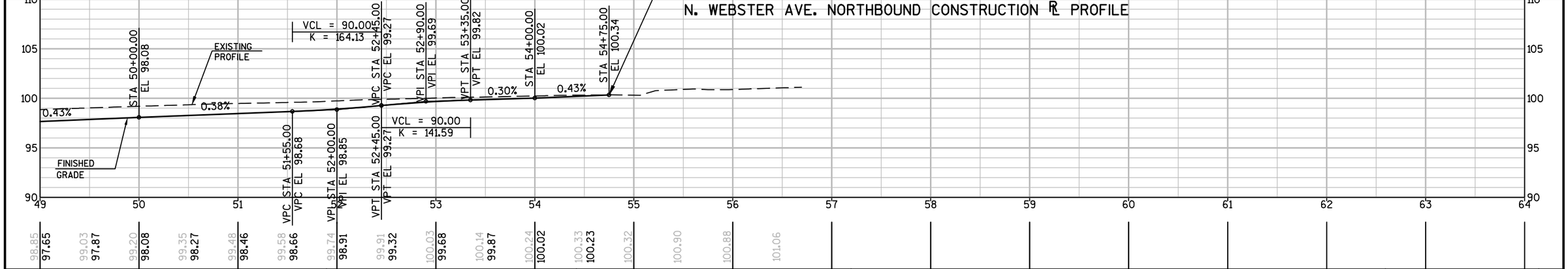
N. WEBSTER SOUTHBOUND ℄ CURVE DATA

PI STA = 52+94.47
Y = 570945.873
X = 105390.576
DELTA = 1°38'39"
D = 2°16'54"
T = 36.03'
L = 72.06'
R = 2511.00'
PC STA = 52+58.44
Y = 570923.444
X = 105362.375
PT STA = 53+30.50
Y = 570967.484
X = 105419.410
BK = N51°30'16.5"E
AH = N53°08'56.0"E

N. WEBSTER AVE. SOUTHBOUND CONSTRUCTION ℄ PROFILE



N. WEBSTER AVE. NORTHBOUND CONSTRUCTION ℄ PROFILE



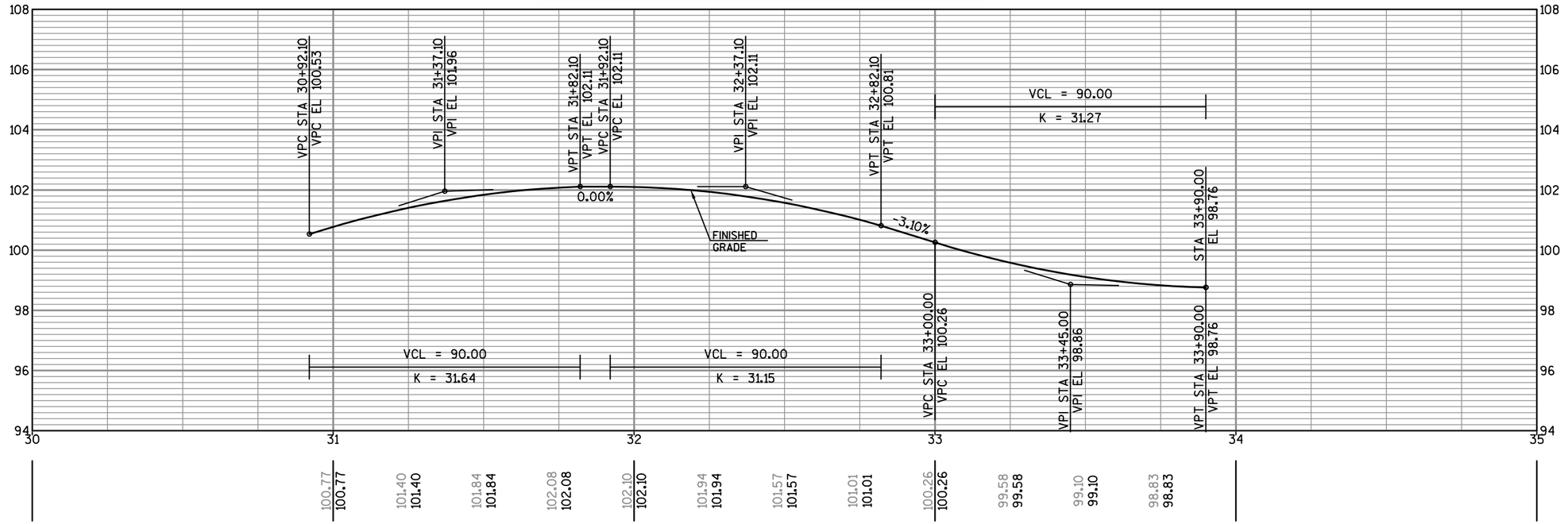
PROJECT NO: 4987-02-65	HWY: N. WEBSTER AVE.	COUNTY: BROWN	PLAN AND PROFILE:	SHEET 159	E

FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\050104 PP.DWG
LAYOUT NAME - 050104 PP

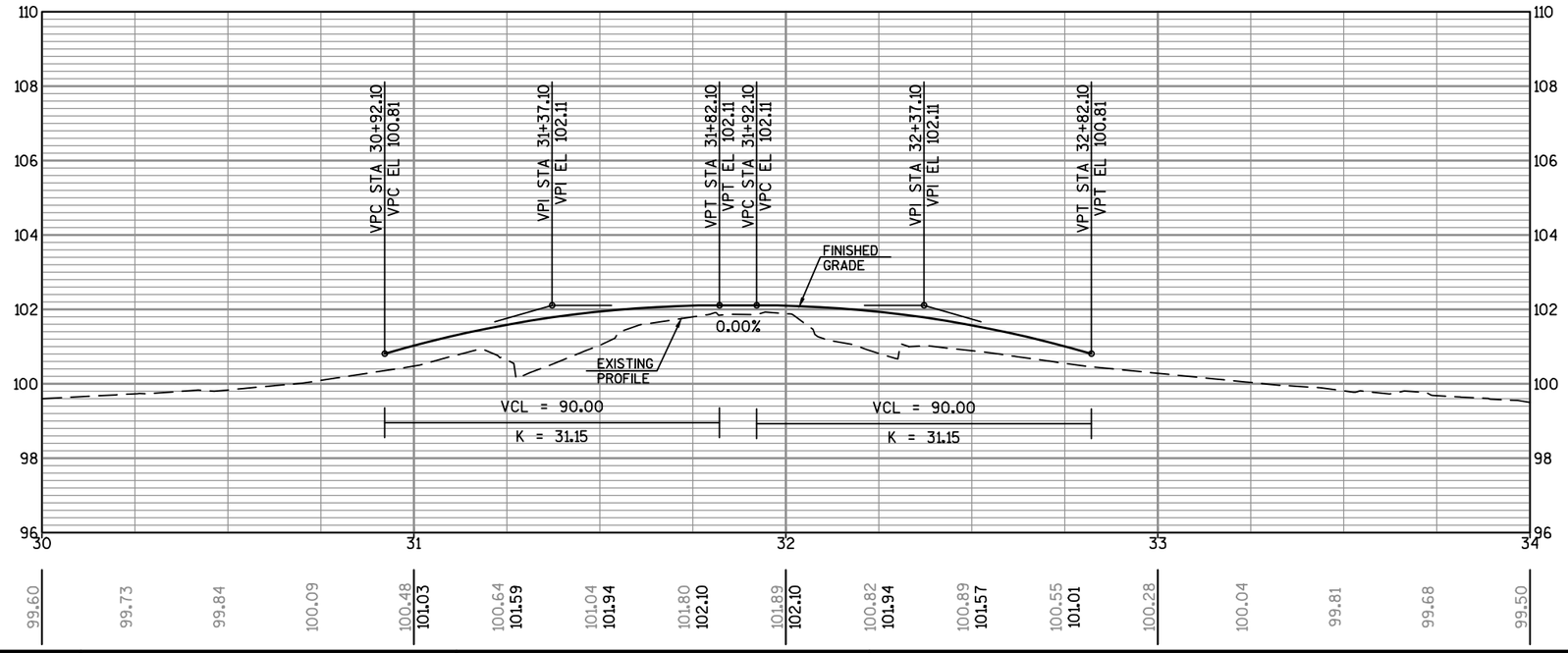
PLOT DATE : 10/31/2018 7:46 PM PLOT BY : VERVILLE, PHILLIP PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

N. WEBSTER AVE. NB FLANGELINE AT RAILROAD

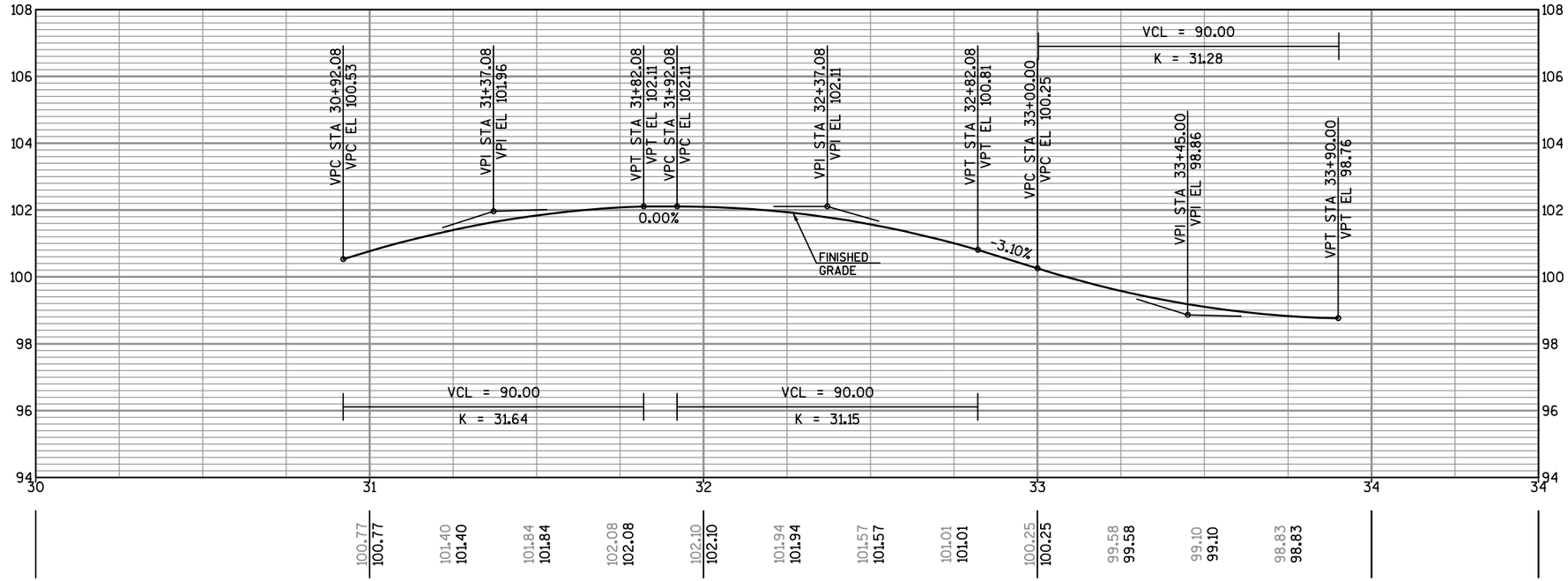


N. WEBSTER AVE. NB CROWNLINE

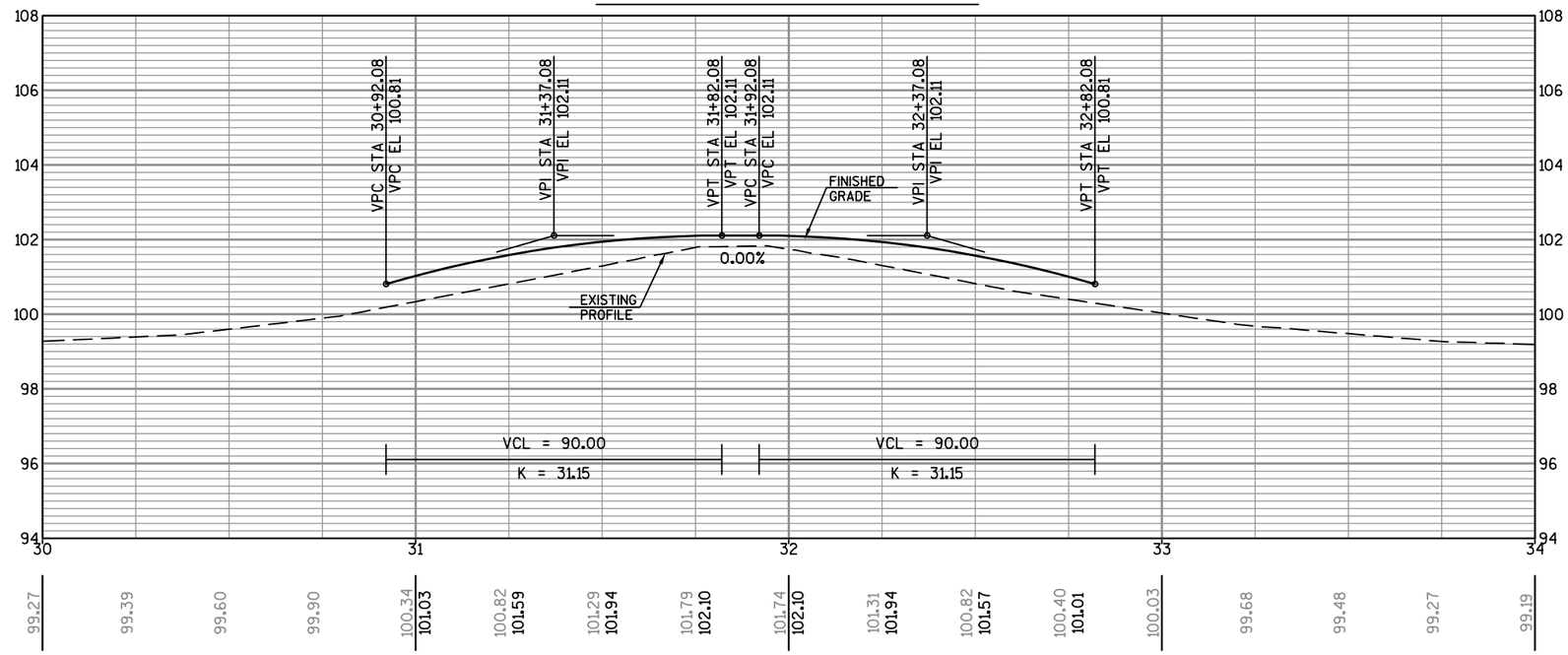


PROJECT NO: 4987-02-65	HWY: N. WEBSTER AVE.	COUNTY: BROWN	SIDE ROAD PROFILES	SHEET 160	E

N. WEBSTER AVE. SB FLANGELINE AT RAILROAD

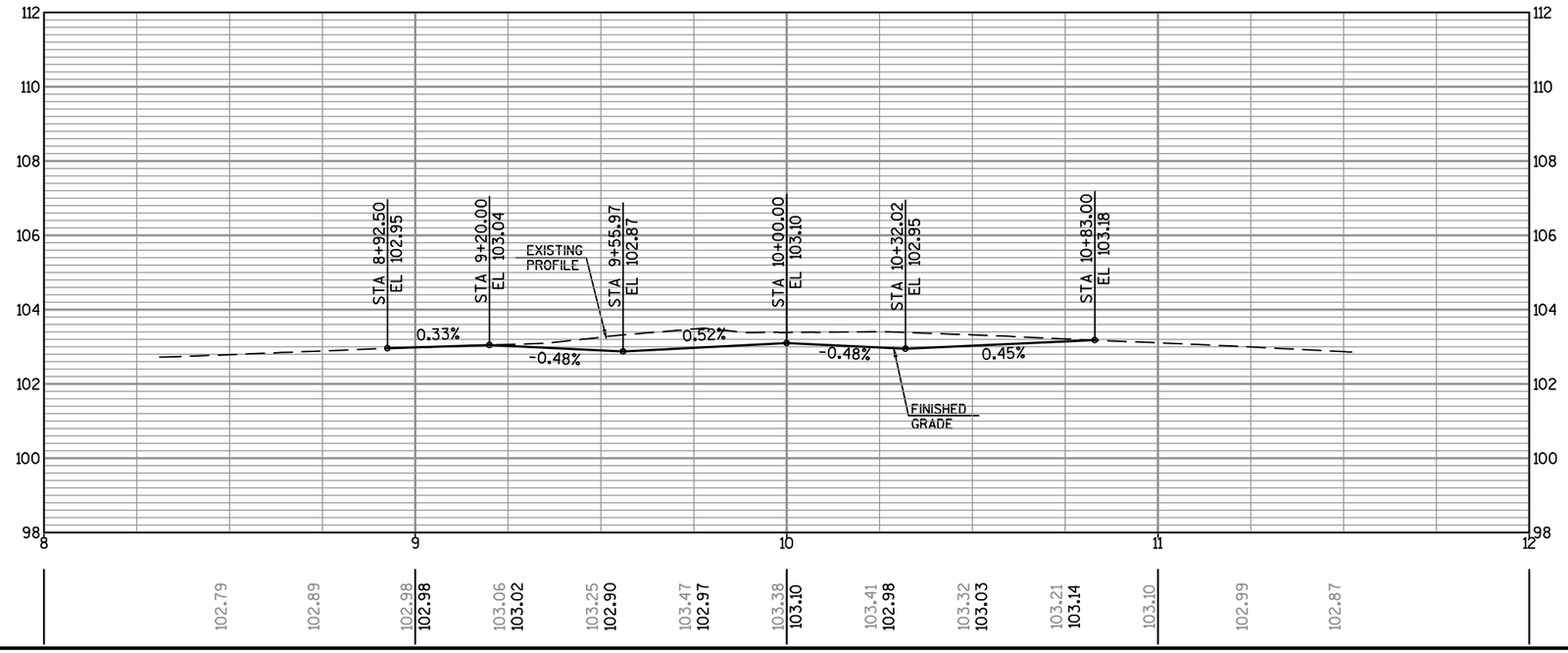


N. WEBSTER AVE. SB CROWNLINE

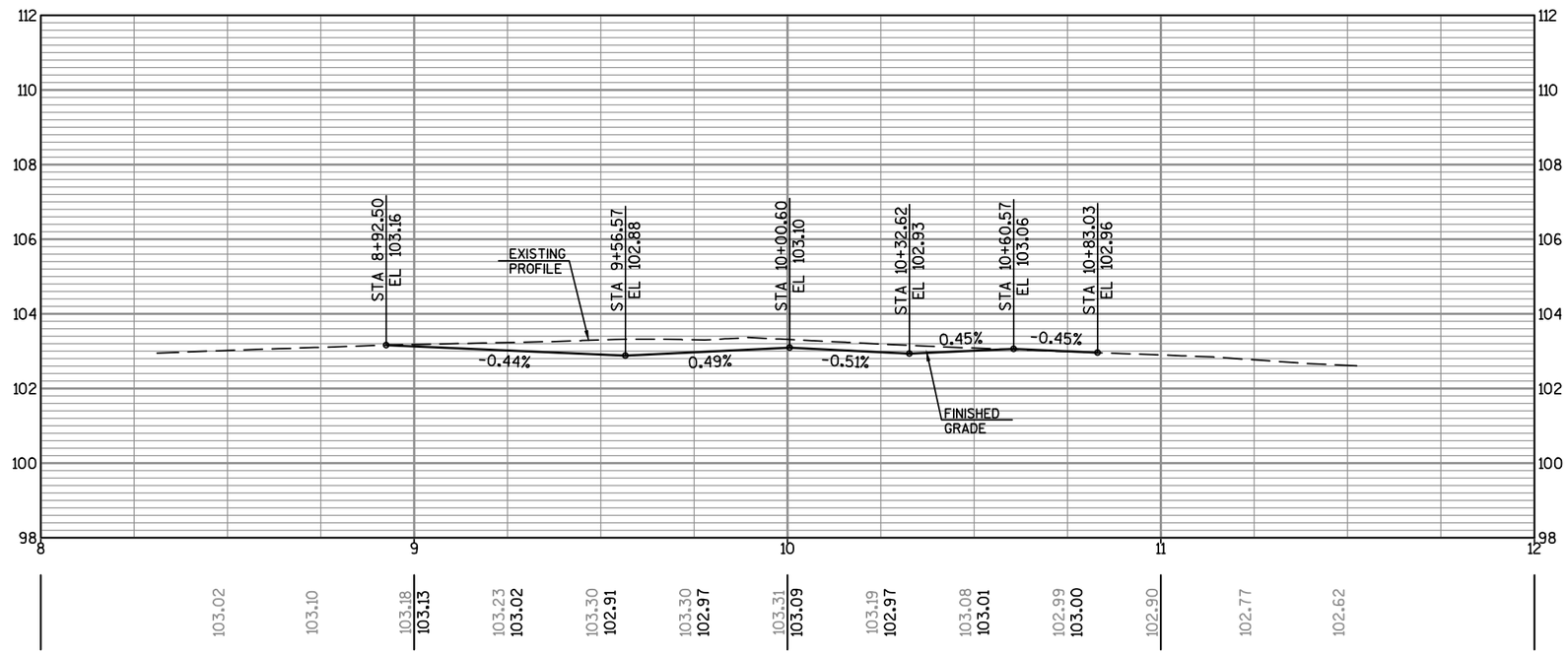


PROJECT NO: 4987-02-65	HWY: N. WEBSTER AVE.	COUNTY: BROWN	N. WEBSTER AVE. SB PROFILES AT RAILROAD	SHEET 161	E

UNIVERSITY AVENUE EASTBOUND PROFILE



UNIVERSITY AVENUE WESTBOUND PROFILE

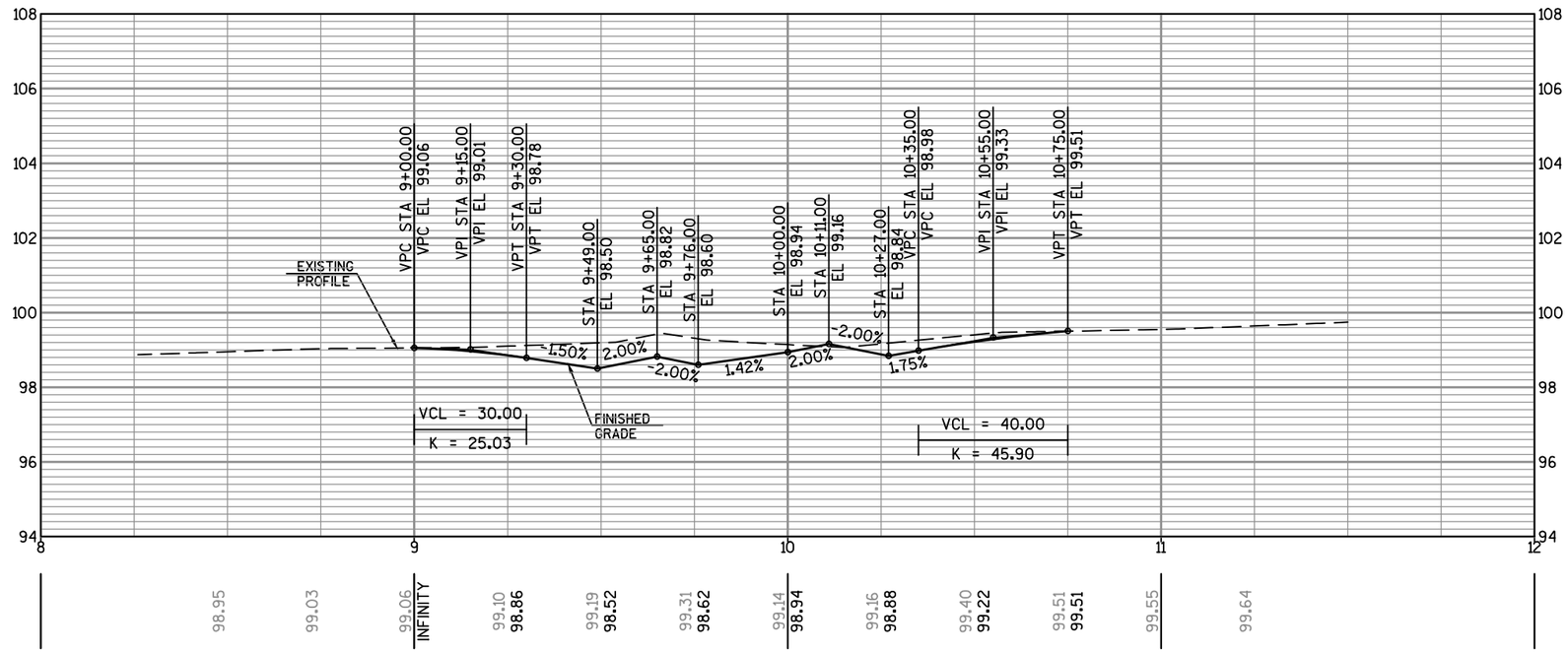


PROJECT NO: 4987-02-65	HWY: N. WEBSTER AVE.	COUNTY: BROWN	SIDE STREET PROFILES	SHEET 162 E

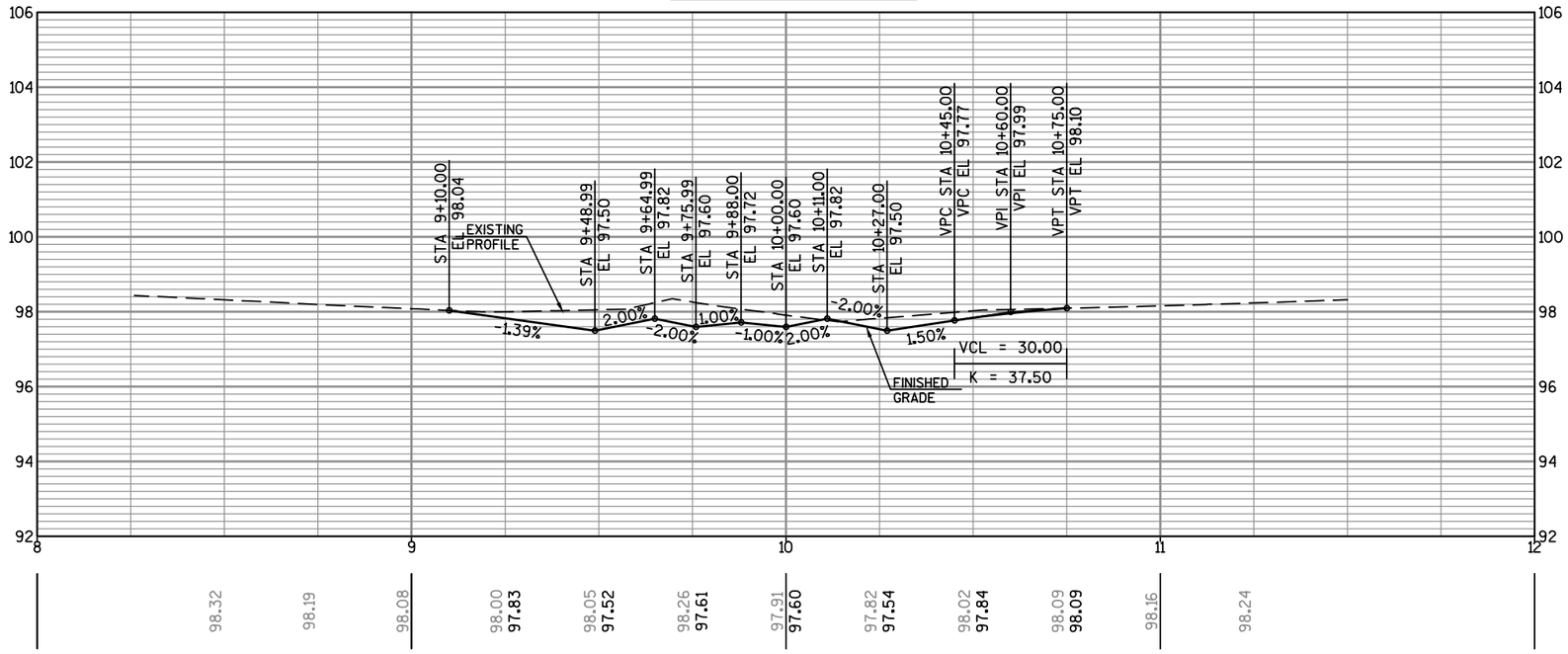
FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\050303 PR.DWG
LAYOUT NAME - 050303 PR

PLOT DATE : 10/31/2018 9:18 PM PLOT BY : VERVILLE, PHILLIP PLOT NAME : PLOT SCALE : 1 IN:40 FT

HARVEY STREET PROFILE



DAY STREET PROFILE



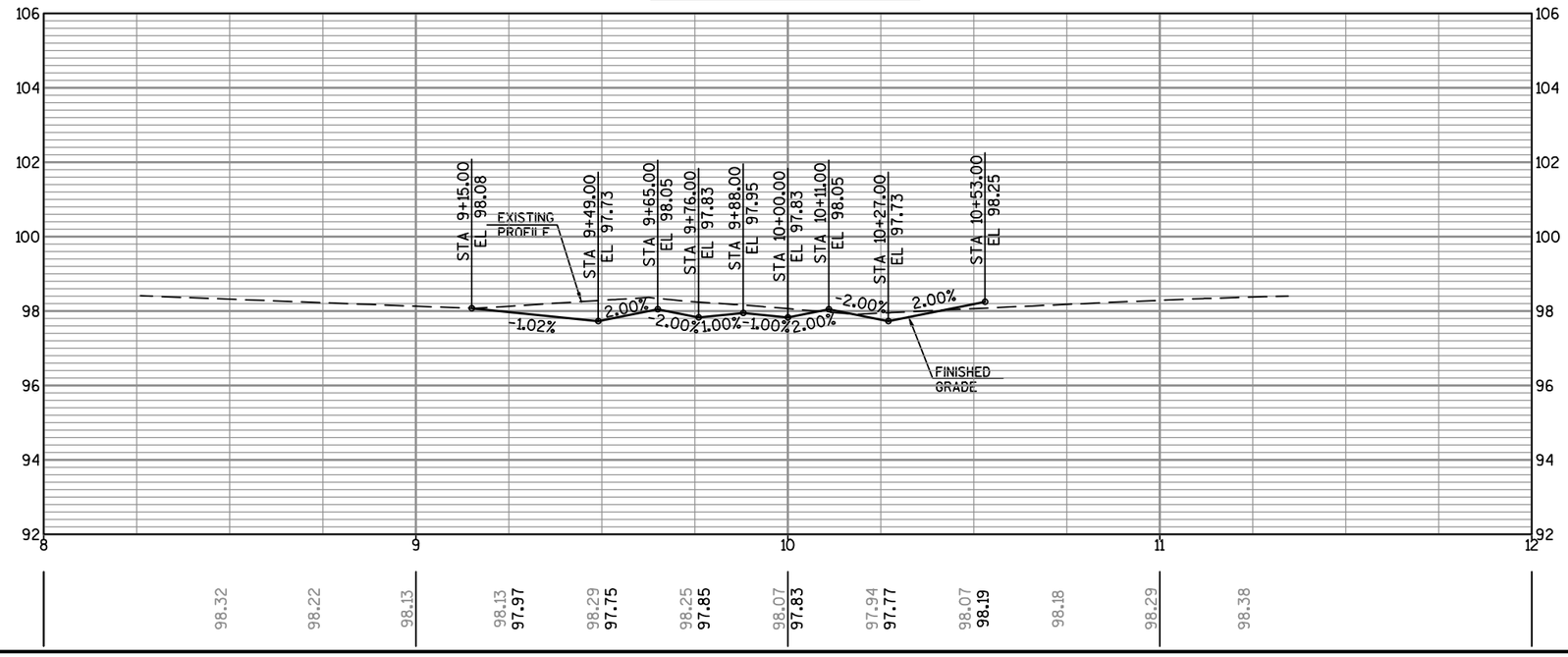
PROJECT NO: 4987-02-65	HWY: N. WEBSTER AVE.	COUNTY: BROWN	SIDE ROAD PROFILES	SHEET E

FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\050304 PR.DWG
LAYOUT NAME - 050304 PR

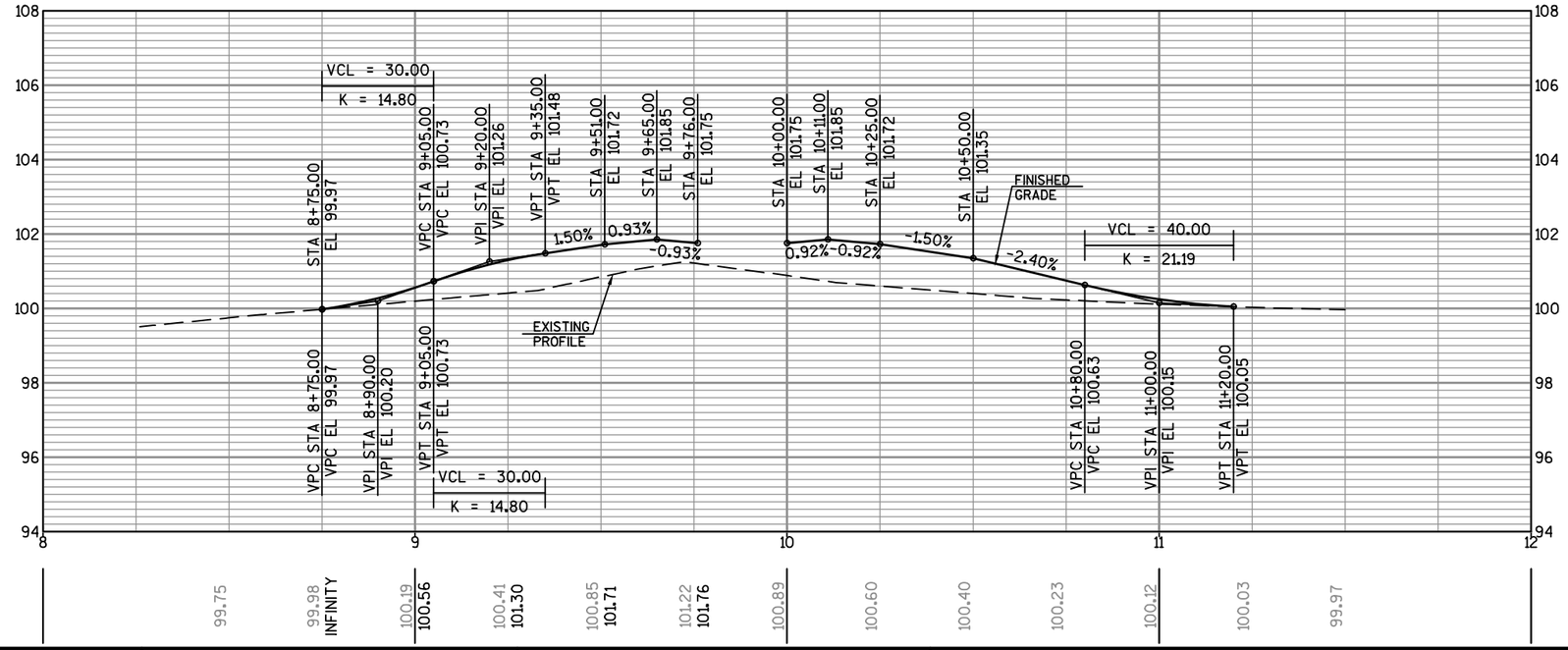
PLOT DATE : 10/31/2018 9:19 PM PLOT BY : VERVILLE, PHILLIP PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

SMITH STREET PROFILE



EASTMAN AVE. (EASTBOUND) PROFILE



PROJECT NO: 4987-02-65	HWY: N. WEBSTER AVE.	COUNTY: BROWN	SIDE ROAD PROFILES	SHEET E

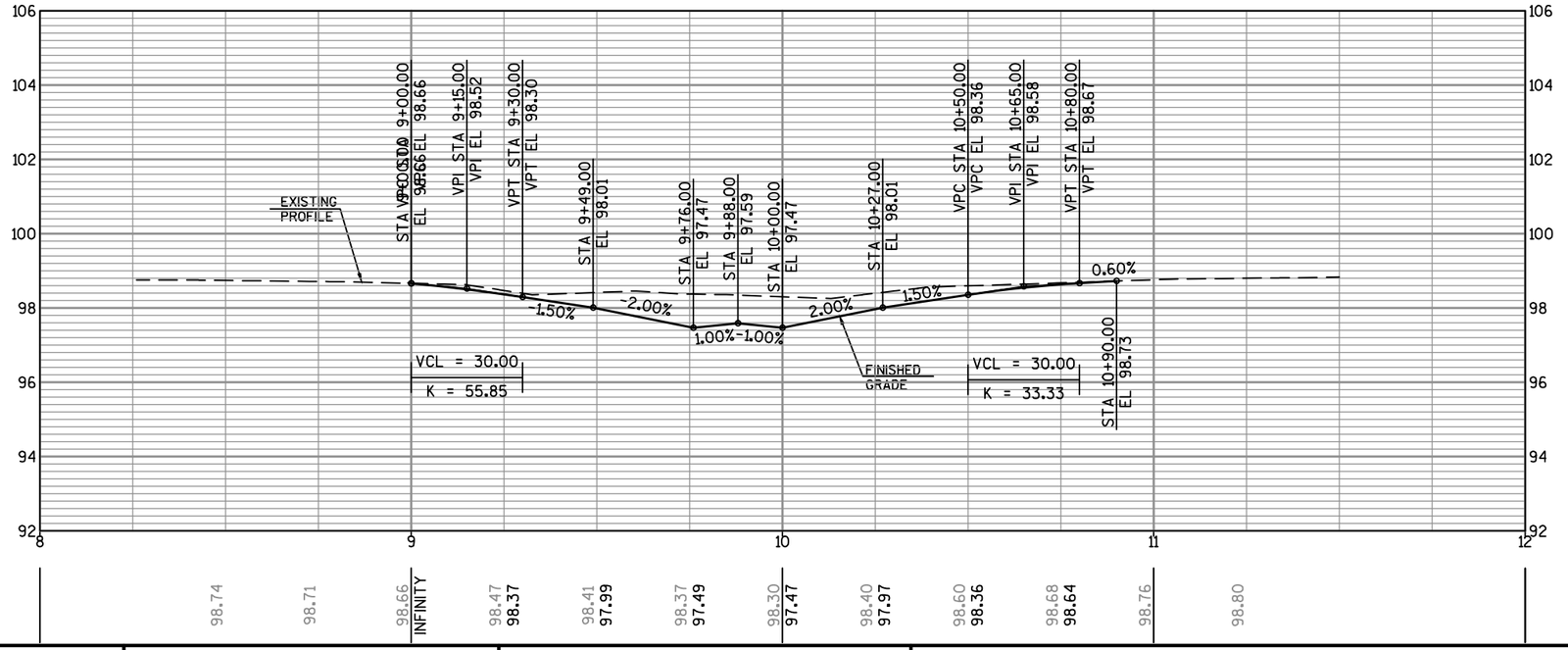
FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\050305 PR.DWG
LAYOUT NAME - 050305 PR

PLOT DATE : 10/31/2018 9:20 PM PLOT BY : VERVILLE, PHILLIP PLOT NAME : PLOT SCALE : 1 IN:40 FT

EASTMAN AVE. (WESTBOUND) PROFILE

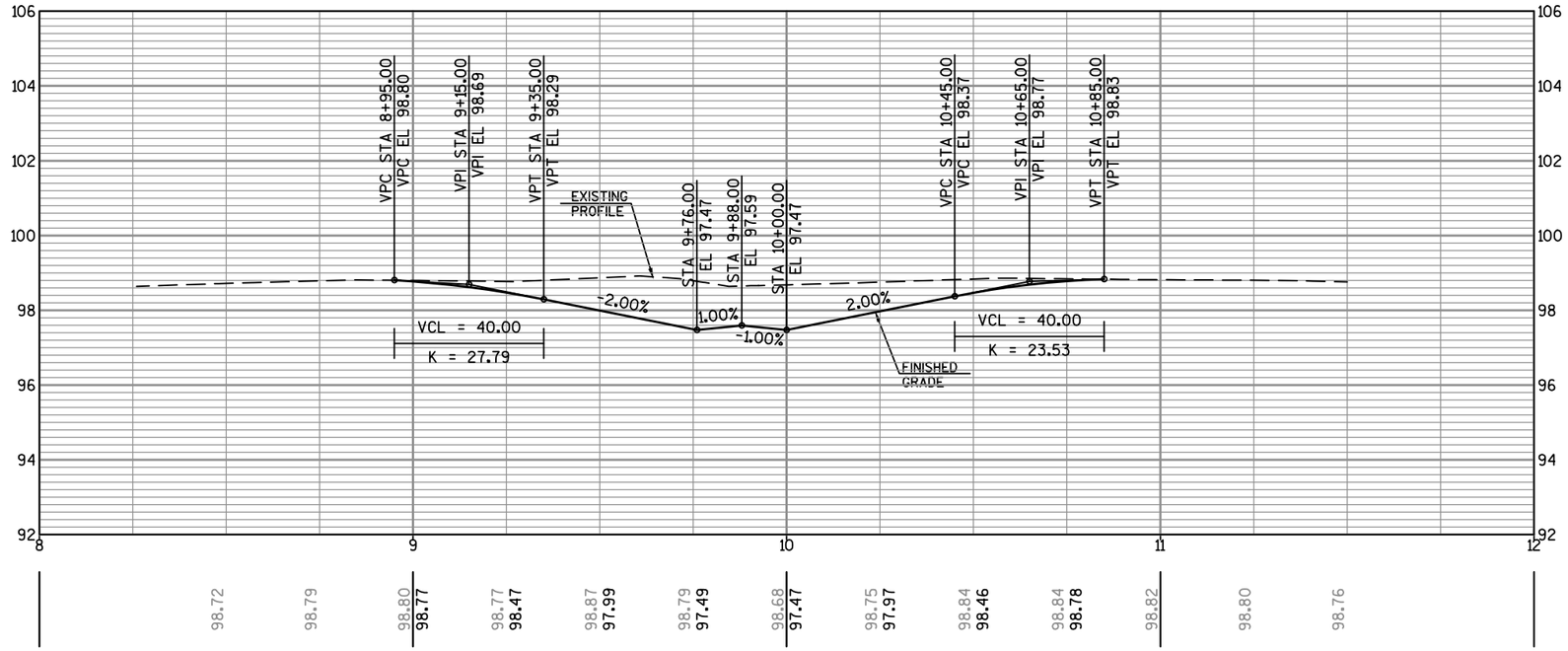


REBER STREET PROFILE

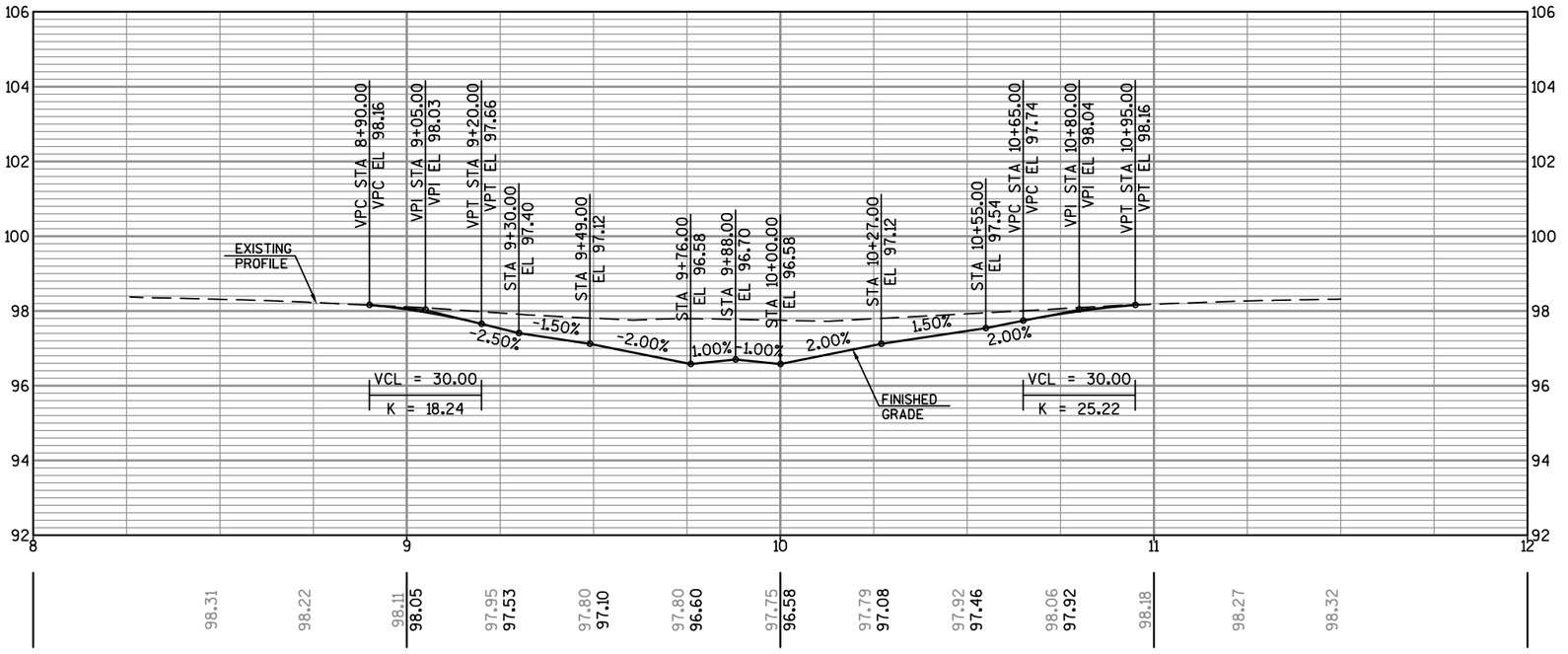


PROJECT NO: 4987-02-65	HWY: N. WEBSTER AVE.	COUNTY: BROWN	SIDE ROAD PROFILES	SHEET 165 E

BERNER STREET PROFILE



KLAUS STREET PROFILE



PROJECT NO: 4987-02-65	HWY: N. WEBSTER AVE.	COUNTY: BROWN	SIDE ROAD PROFILES	SHEET E

FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\050307 PR.DWG
LAYOUT NAME - 050307 PR

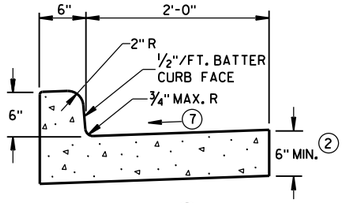
PLOT DATE : 10/31/2018 9:23 PM PLOT BY : VERVILLE, PHILLIP PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

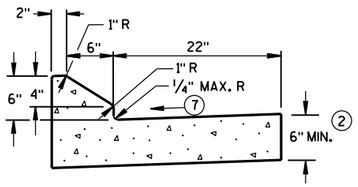
Standard Detail Drawing List

08D01-20A	CONCRETE CURB & GUTTER
08D01-20B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08D04-05	CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES
08D05-19A	CURB RAMPS TYPES 1 AND 1-A
08D05-19B	CURB RAMPS TYPES 2 AND 3
08D05-19C	CURB RAMPS TYPES 4A AND 4A1
08D05-19D	CURB RAMPS TYPE 4B AND 4B1
08D05-19E	CURB RAMPS TYPES 5, 6, 7A, 7B & 8
08D05-19F	CURB RAMPS RADIAL DETECTABLE WARNING FIELD APPLICATIONS
08D05-19G	CURB RAMPS RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08E14-01	TRACKING PAD
08F04-07	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
09B02-10	CONDUIT
09C02-07	CONCRETE BASES, TYPES 1, 2, 5, & 6
09C03-04	TRANSFORMER/PEDESTAL BASES
11B02-02	CONCRETE MEDIAN NOSE
13C01-19	CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES
13C13-09	URBAN DOWELED CONCRETE PAVEMENT
13C18-06A	CONCRETE PAVEMENT JOINTING
13C18-06B	CONCRETE PAVEMENT STEEL REINFORCEMENT
13C18-06C	CONCRETE PAVEMENT JOINT TYPES
13C18-06D	CONCRETE PAVEMENT JOINT TYPES AT UTILITY FIXTURES
15C02-06A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-06B	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-06C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C03-05	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C07-14A	PAVEMENT MARKING SYMBOLS
15C07-14B	PAVEMENT MARKING WORDS
15C07-14C	PAVEMENT MARKING ARROWS
15C07-14E	PAVEMENT MARKING FOR BIKE LANES
15C08-19C	PAVEMENT MARKING (TURN LANES)
15C09-11A	SIGNING AND PAVEMENT MARKING DETAILS FOR RAILROAD-HIGHWAY GRADE CROSSINGS
15C11-07A	CHANNELIZING DEVICES FLEXIBLE TUBULAR MARKER POST
15C11-07B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C18-04	MEDIAN ISLAND MARKING
15C27-03B	PAVEMENT MARKING (ISLANDS)
15C29-06A	BICYCLE LANE MARKING
15C33-03	STOP LINE AND CROSSWALK PAVEMENT MARKING
15D11-07	TRAFFIC CONTROL, SINGLE LANE CROSSOVER
15D12-06A	TRAFFIC CONTROL, LANE CLOSURE
15D20-04	TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY
15D28-03	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY
15D30-04A	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-04B	TRAFFIC CONTROL, TEMPORARY ADA COMPLIANT PEDESTRIAN ACCOMMODATION
15D30-04C	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D38-02A	TEMPORARY TRAFFIC CONTROL SIGN MOUNTING
15D38-02B	ATTACHMENT OF SIGNS TO POSTS
15D40-01	TRAFFIC CONTROL, LANE SHIFT, MULTILANE DIVIDED OR ONE WAY ROAD

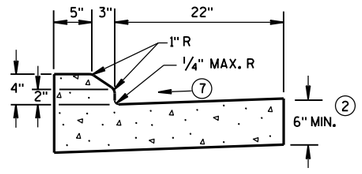
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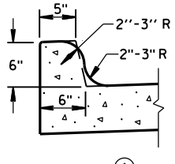
TYPES A (1) & D



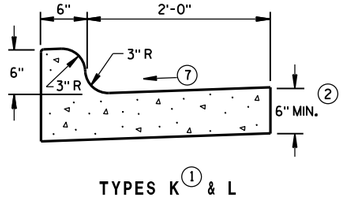
6" SLOPED CURB TYPES G (1) & J



4" SLOPED CURB TYPES G (1) & J

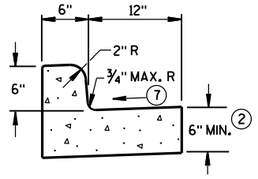


TYPES K (1) & L
(OPTIONAL CURB SHAPE)



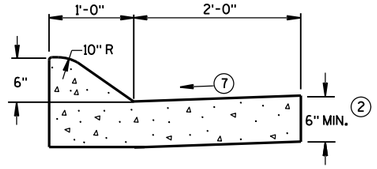
TYPES K (1) & L

CONCRETE CURB & GUTTER 30"

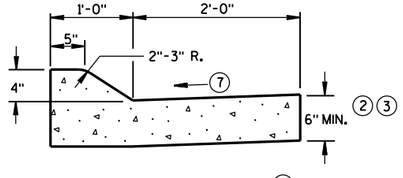


TYPES A (1) & D

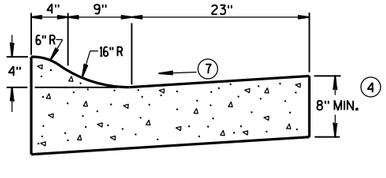
CONCRETE CURB & GUTTER 18"



6" SLOPED CURB TYPES A (1) & D

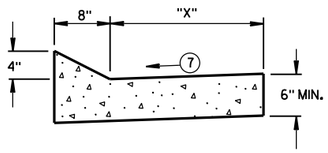


4" SLOPED CURB TYPES A (1) & D



4" SLOPED CURB TYPES R (1) & T (5)

CONCRETE CURB & GUTTER 36"



TYPES TBT & TBTT (1)

CONCRETE CURB & GUTTER

TBT & TBTT	"X"
30"	22"
36"	28"

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.

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, R AND TBTT.

(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) USE 8" MINIMUM GUTTER THICKNESS WHEN USED WITH AN ADJACENT CONCRETE TRUCK APRON PLACED BEHIND BACK OF CURB.

(4) 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.

(5) THE FACE OF CURB IS 6" FROM THE BACK OF CURB.

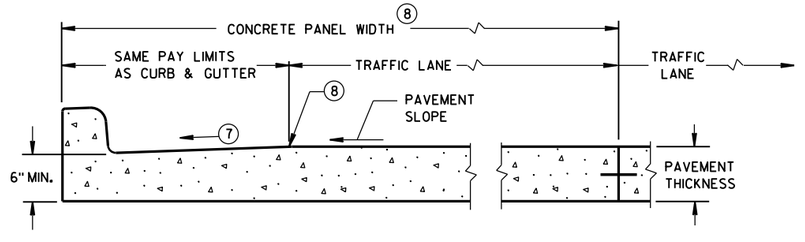
(6) WHEN REVERSE SLOPE GUTTER IS REQUIRED, THE LOCATION(S) WILL BE SHOWN ELSEWHERE IN THE PLAN.

(7) USE 4% GUTTER CROSS SLOPE UNLESS OTHERWISE NOTED IN THE PLANS.

(8) INCLUDE LONGITUDINAL JOINT AND TIE BARS ALONG LANE EDGE WHEN CONCRETE PANEL WIDTH EXCEEDS THE MAXIMUM WIDTH PER TABLE BELOW. LONGITUDINAL JOINT(S) ARE NOT ALLOWED WITHIN TRAFFIC LANES AND BIKE LANES. LONGITUDINAL JOINT MAY BE SAWED.

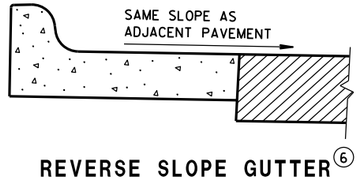
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

PAVEMENT THICKNESS	MAXIMUM PANEL WIDTH
LESS THAN 10"	12'
10" & ABOVE	15'



PARTIAL SECTION OF PAVEMENT *
WITH INTEGRAL CURB & GUTTER

* BIKE LANE IS NOT SHOWN.



REVERSE SLOPE GUTTER (6)
(TYPICAL FOR ALL CURB & GUTTER TYPES)

CONCRETE CURB & GUTTER

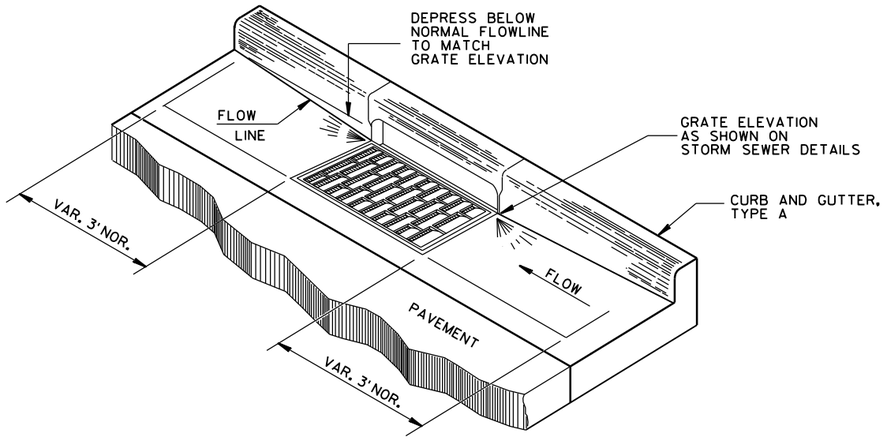
STATE OF WISCONSIN
DEPARTMENT OF TRANSPO...

6

S.D.D. 8 D 1-20a

6

S.D.D. 8 D 1-20a



DETAIL OF CURB AND GUTTER AT INLETS

(TYPE H INLET COVER SHOWN)

GENERAL NOTES

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

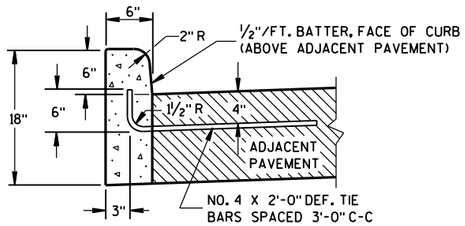
PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2'-0" BEHIND THE BACK OF CURBS.

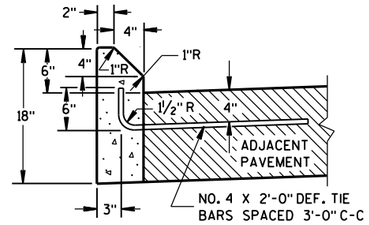
(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTER TYPES A, G, K, R AND TBTT.

(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.

(9) REFER TO SDD 8D18 AND SDD 8D19 FOR ADDITIONAL DRIVEWAY ENTRANCE CURB DETAILS.

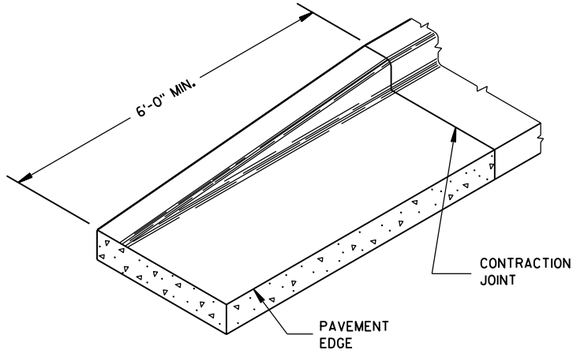


TYPES A(1) & D

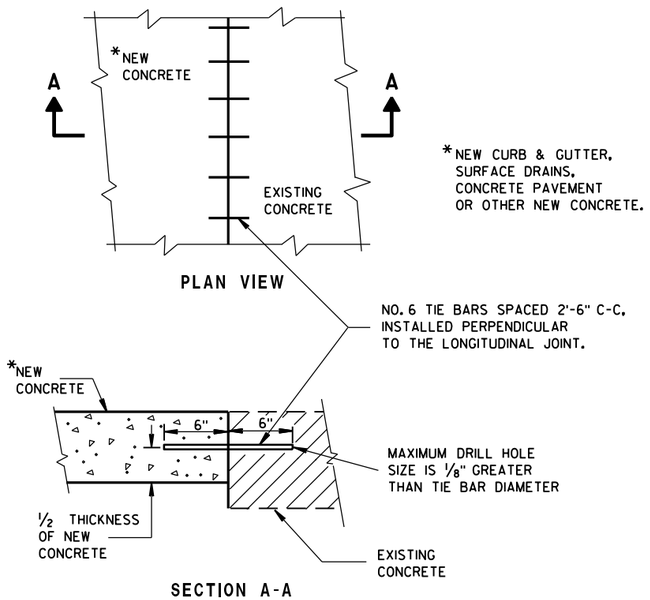


TYPES G(1) & J

CONCRETE CURB



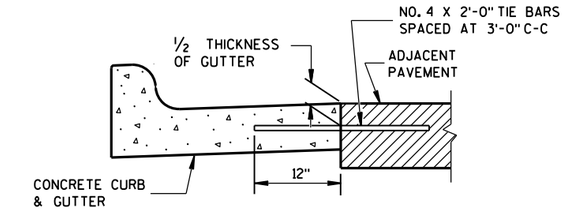
END SECTION CURB & GUTTER



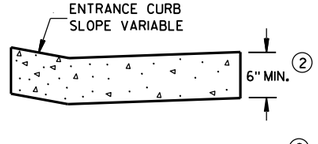
PLAN VIEW

SECTION A-A

TIE BARS DRILLED INTO EXISTING PAVEMENT



TYPICAL TIE BAR LOCATION (1)



DRIVEWAY ENTRANCE CURB (9)

(WHEN DIRECTED BY THE ENGINEER)

CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS

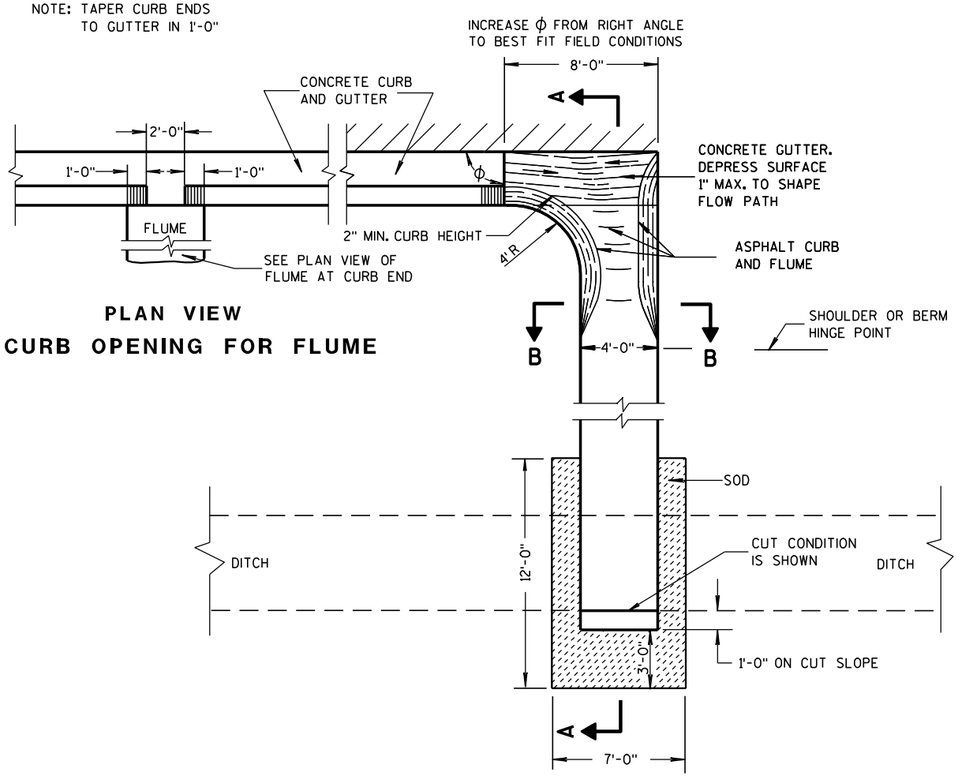
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2017 — DATE
/S/ Rodney Taylor
ROADWAY STANDARDS UNIT SUPERVISOR
FHWA

6

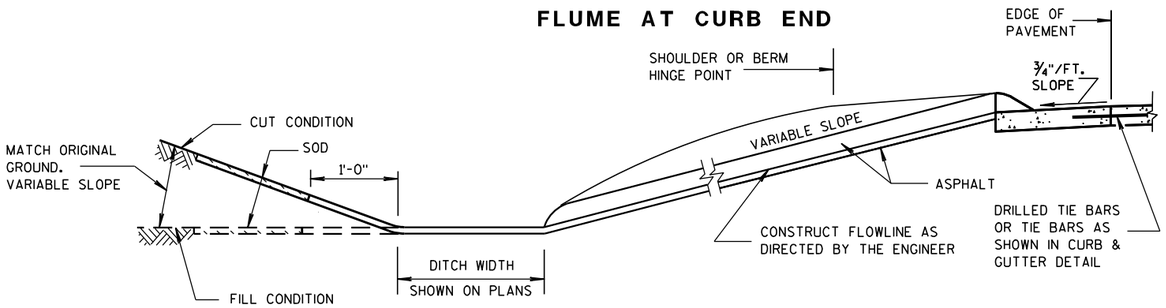
S.D.D. 8 D 1-20b

ASPHALTIC FLUME

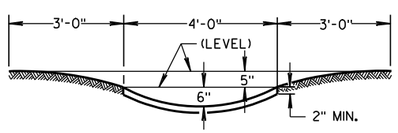


PLAN VIEW
CURB OPENING FOR FLUME

PLAN VIEW
FLUME AT CURB END



SECTION A-A



SECTION B-B

GENERAL NOTES

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

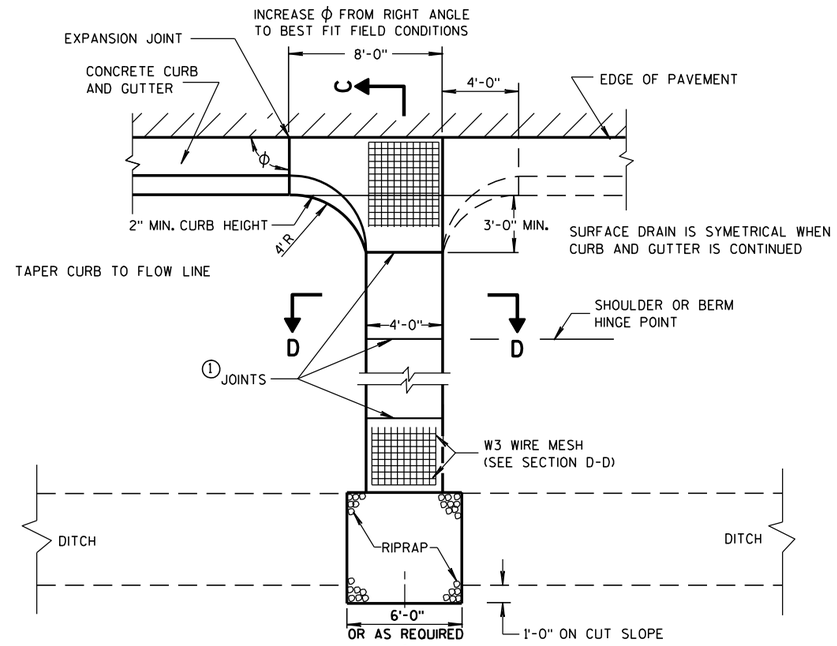
WELDED STEEL WIRE FABRIC SHALL BE IN ACCORDANCE WITH AASHTO SPECIFICATION M55.

① JOINTS SHALL BE ⅛ TO ¼ INCH WIDE BY 1½ INCHES DEEP AND SPACED AT UNIFORM INTERVALS OF APPROXIMATELY 4 FEET.

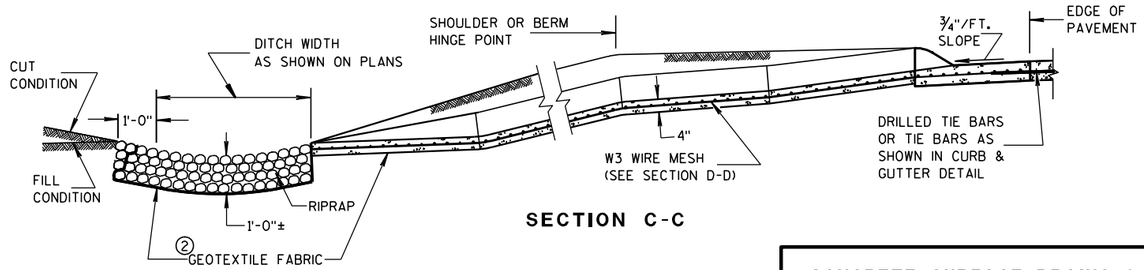
② GEOTEXTILE FABRIC TYPE "R" SHALL UNDERLAY THE FULL LENGTH AND WIDTH OF THE CONCRETE SURFACE DRAIN AND RIPRAP.

③ CONCRETE SURFACE DRAIN WITHOUT CURB AND GUTTER MAY BE USED ON BACKSLOPES WHEN SPECIFIED

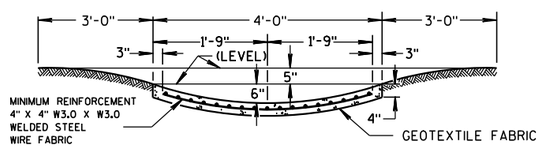
③ CONCRETE SURFACE DRAIN



PLAN VIEW



SECTION C-C



SECTION D-D

CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

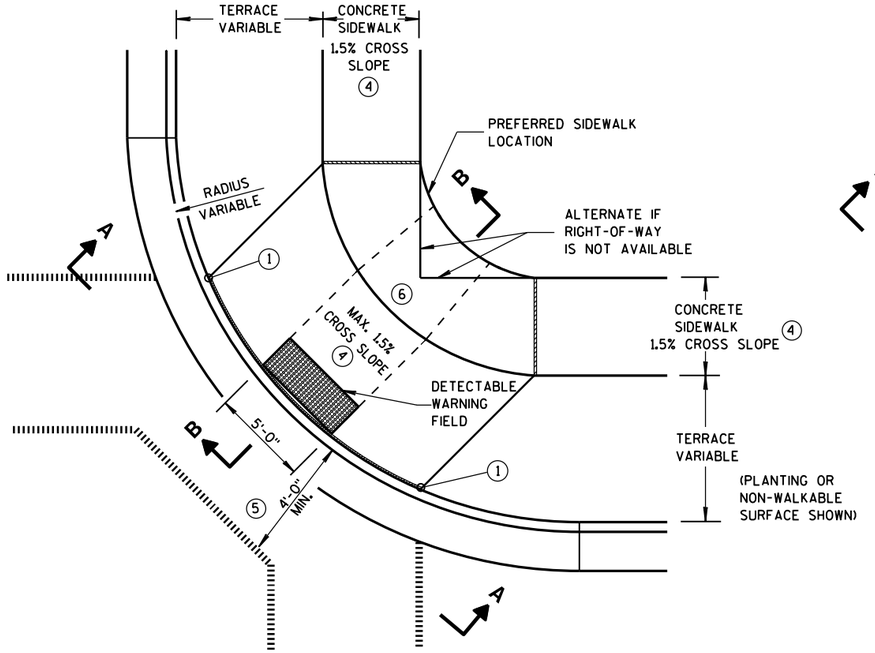
APPROVED
9-4-08 DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER
MENT
FHWA

6

S.D.D. 8 D 4-5

6

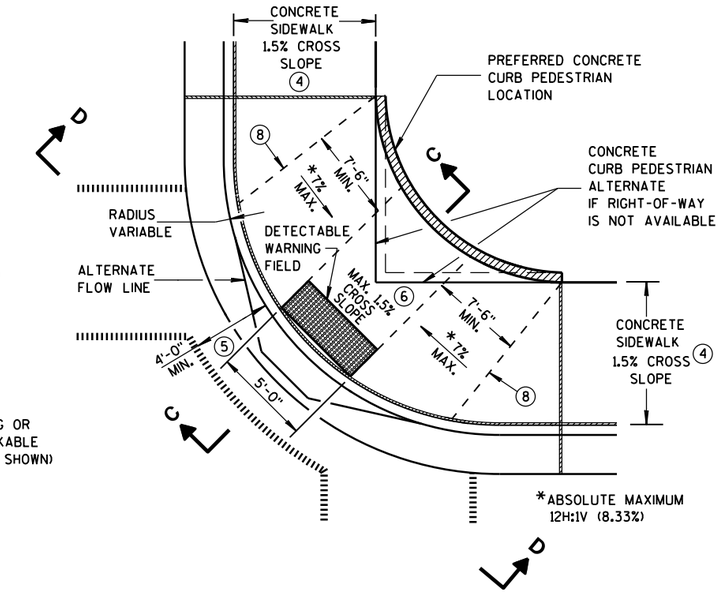
S.D.D. 8 D 4-5



PLAN VIEW

TYPE 1 RAMP

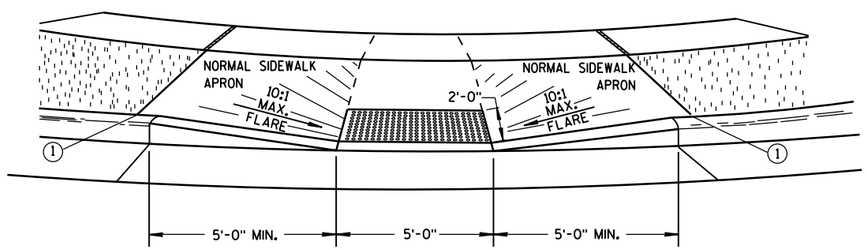
(CENTER OF CORNER RADIUS)



PLAN VIEW

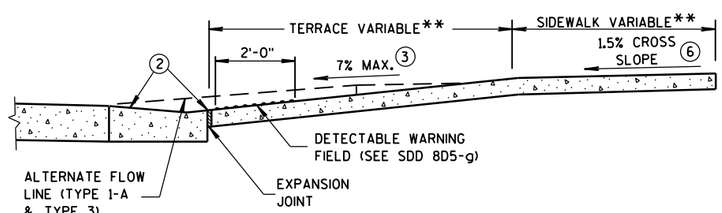
TYPE 1-A RAMP

(NO TERRACE)

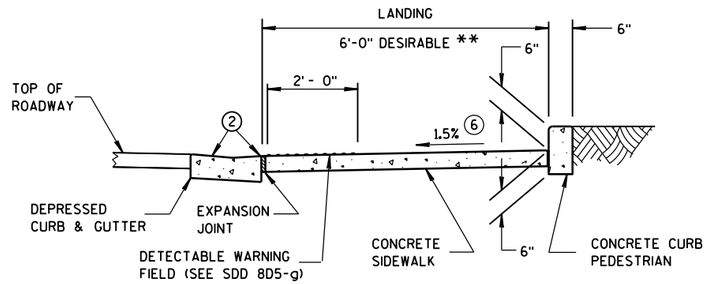


VIEW A-A

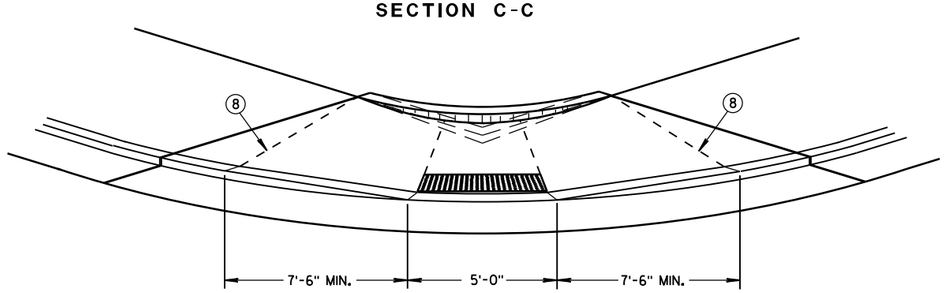
** WIDTH SHOWN ELSEWHERE IN THE PLANS



SECTION B-B



SECTION C-C



VIEW D-D

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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.

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. POINT LOCATION MAY BE ADJUSTED TO ALIGN WITH BEGINNING OF FULL-HEIGHT CURB IF THIS DISTANCE IS SHORT.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN 1/4-INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(5) PROVIDE A LEVEL LANDING IN THE STREET AND GUTTER AREA. (2% MAXIMUM SLOPE IN ANY DIRECTION). WHEN THE GUTTER SLOPE EXCEEDS 2%, CONSTRUCT THE LEVEL LANDING IN THE STREET AREA.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

LEGEND

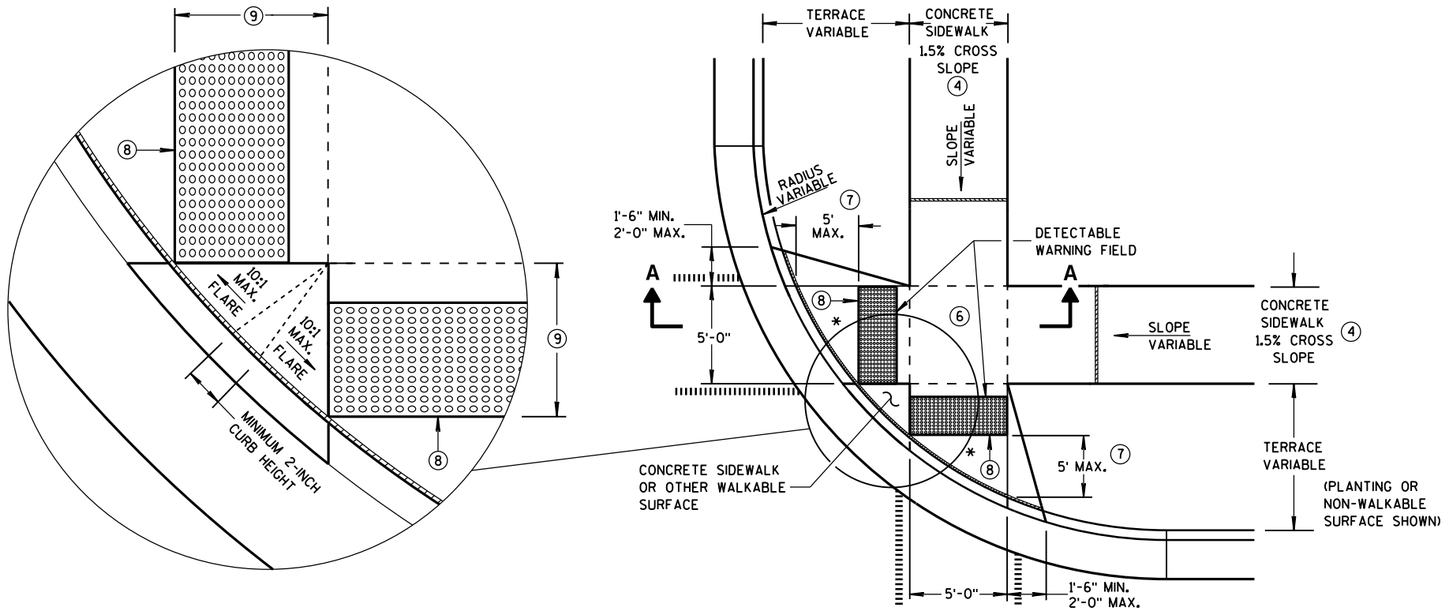
- 1/2" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)
- ALTERNATIVE LAYOUT

CURB RAMPS TYPES 1 AND 1-A

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

S.D.D. 8 D 5-19a

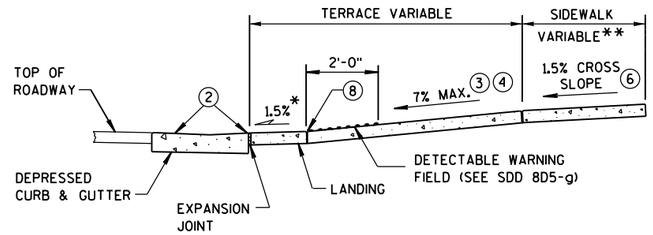


PLAN VIEW

TYPE 2 RAMP

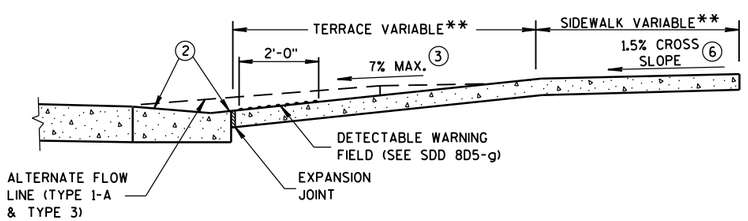
(ON LINE WITH SIDEWALK)

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK



SECTION A-A

** WIDTH SHOWN ELSEWHERE IN THE PLANS



SECTION B-B

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN 1/4-INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET.

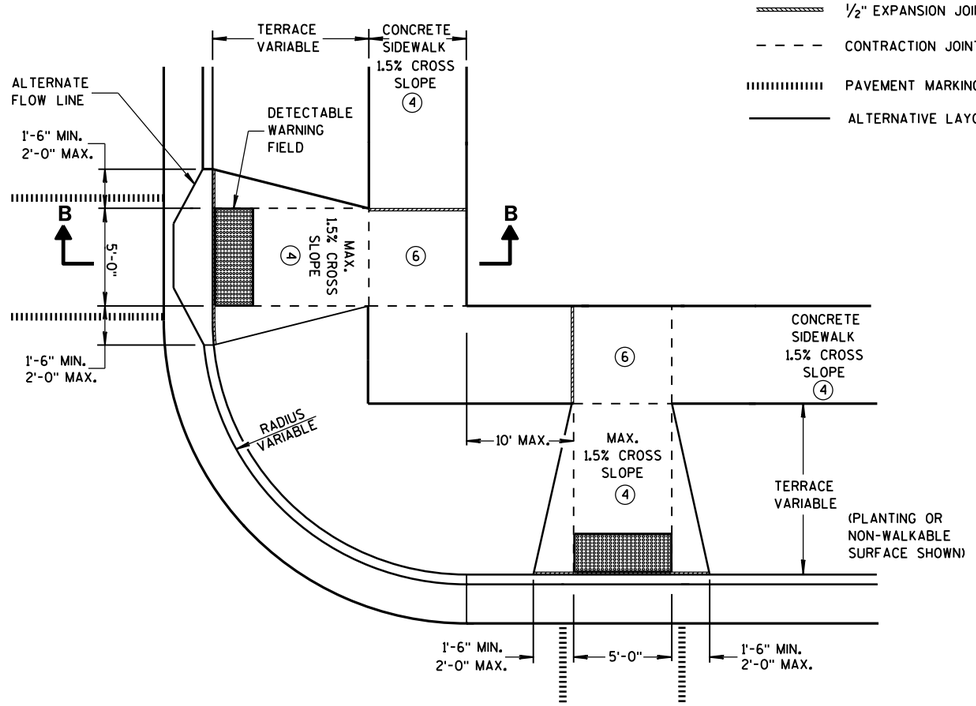
(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

(9) WHEN THIS DISTANCE IS LESS THAN 6'-0", IT MAY BE DIFFICULT TO ACHIEVE A 7% SLOPE OR FLATTER ALONG THE RAMP. REDUCE CURB HEIGHT IN TRIANGLE AREA TO ACHIEVE 7% SLOPE OR FLATTER ON RAMP. CONSTRUCT 2-INCH MINIMUM CURB HEIGHT BETWEEN 10:1 FLARES.

LEGEND

- ½" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)
- ALTERNATIVE LAYOUT



PLAN VIEW

TYPE 3 RAMP

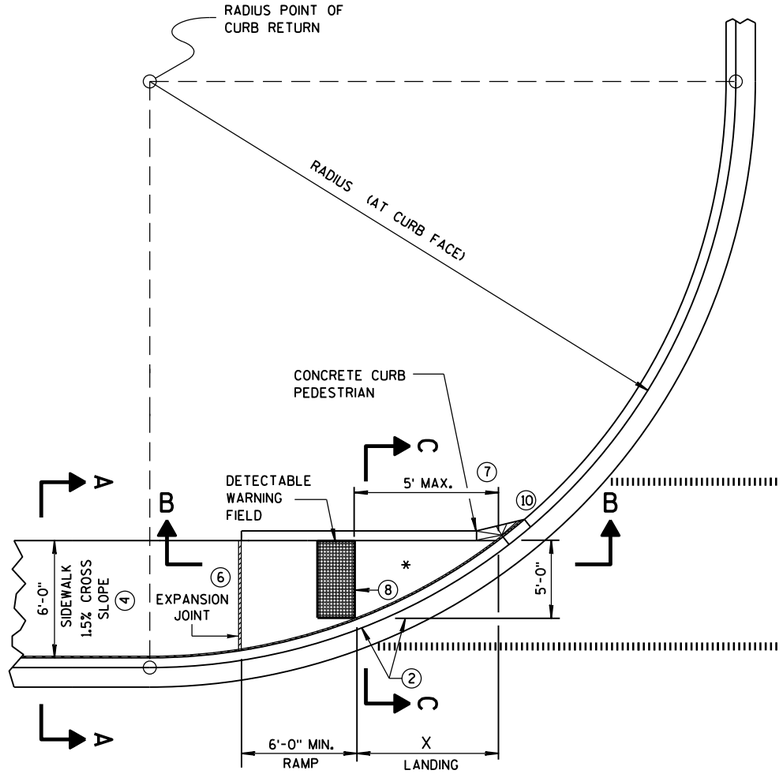
(OUTSIDE OF CROSSWALK AREA)

CURB RAMPS TYPES 2 AND 3

STATE OF WISCONSIN
DEPARTMENT OF TRANSPO

6

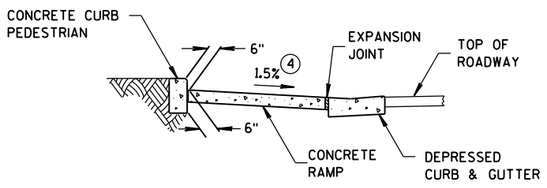
S.D.D. 8 D 5-19b



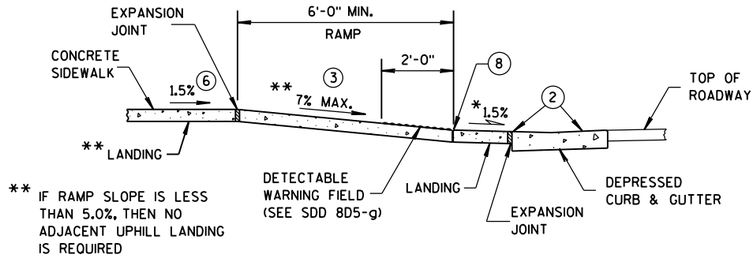
CURB RAMP TYPE 4A
PLAN VIEW

RADIUS (AT CURB FACE)	X
10 FEET	4'-7"
15 FEET	6'-5½"

INTERMEDIATE RADII CAN BE INTERPOLATED



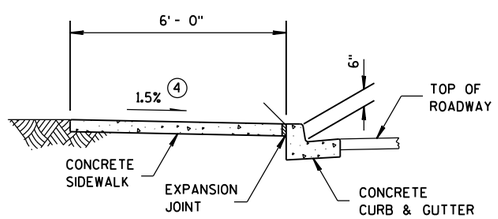
SECTION C-C FOR TYPE 4A



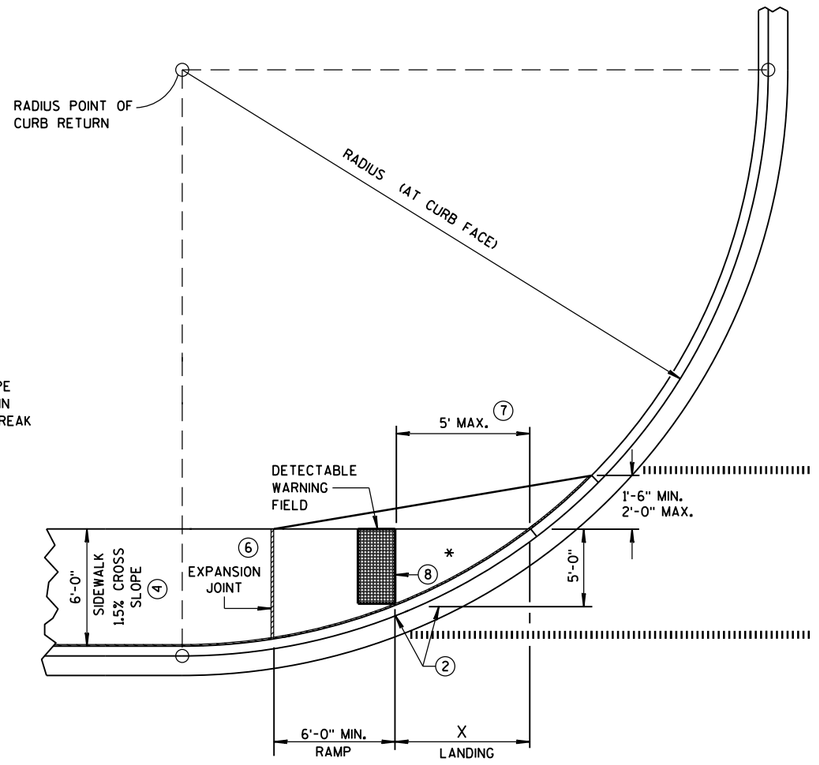
** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

SECTION B-B FOR TYPE 4A

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK



SECTION A-A FOR TYPE 4A



CURB RAMP TYPE 4A1
PLAN VIEW

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼-INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

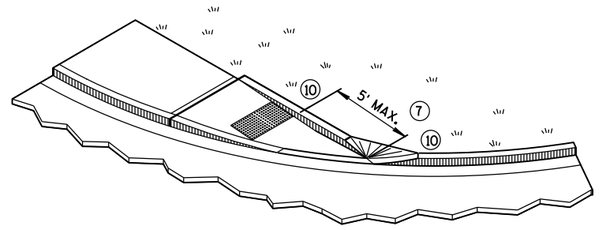
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET.

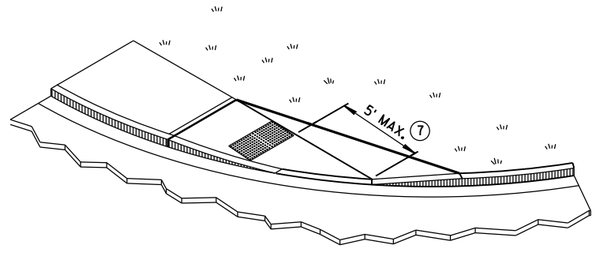
(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

(10) INSTALL TRANSITION NOSE. (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.



ISOMETRIC VIEW FOR TYPE 4A



ISOMETRIC VIEW FOR TYPE 4A1

LEGEND

½" EXPANSION JOINT-SIDEWALK

CONTRACTION JOINT FIELD LOCATED

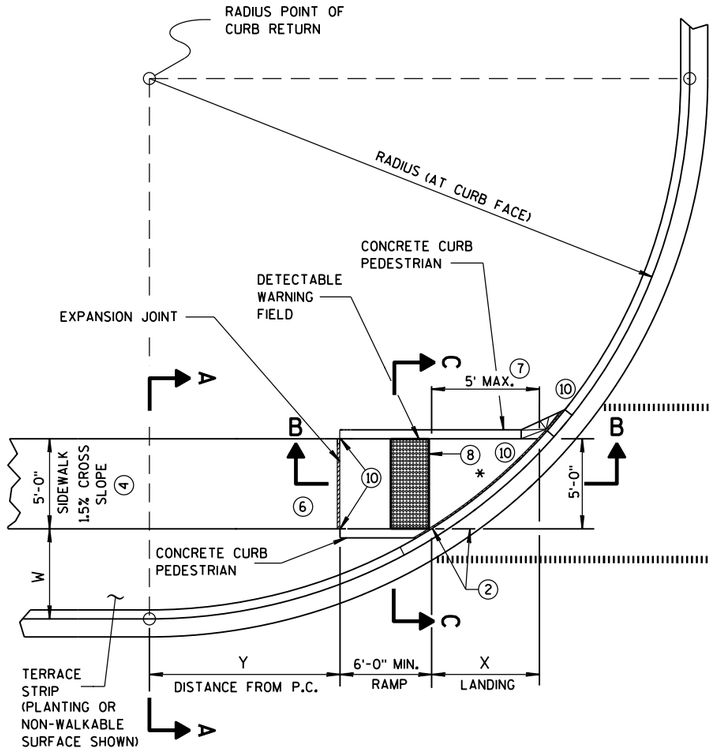
PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS TYPES 4A AND 4A1

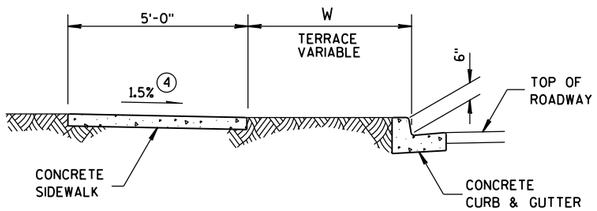
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

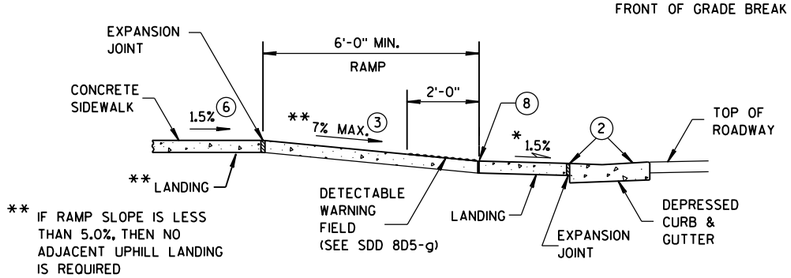
S.D.D. 8 D 5-19c



CURB RAMP TYPE 4B
PLAN VIEW



SECTION A-A FOR TYPE 4B



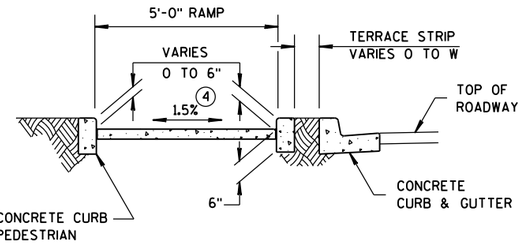
* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

SECTION B-B FOR TYPE 4B

RADIUS (AT CURB FACE)	W = 3'-0"		W = 4'-0"		W = 5'-0"		W = 6'-0"		W = 7'-0"		W = 8'-0"		W = 9'-0"		W = 10'-0"	
	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y
10 FEET	2'-10¼"	0'-5"	2'-1"	1'-4½"	1'-5"	2'-1"	0'-10"	2'-7½"	0'-3¼"	3'-0¼"						
15 FEET	4'-6¾"	2'-1¾"	3'-9"	3'-5¼"	3'-1¼"	4'-6"	2'-6¾"	5'-4½"	2'-1"	6'-1"	1'-8"	6'-8½"	1'-3¼"	7'-2½"	0'-10¾"	7'-7¼"
20 FEET	5'-9¾"	3'-6½"	4'-11½"	5'-1¾"	4'-3¼"	6'-5½"	3'-8¾"	7'-7"	3'-3"	8'-6½"	2'-10"	9'-4½"	2'-5½"	10'-1¼"	2'-1¼"	10'-9"
30 FEET			6'-9¼"	7'-11¼"	6'-0¼"	9'-8"	5'-5"	11'-1¾"	4'-10¾"	12'-5¾"	4'-5½"	13'-7¾"	4'-0¾"	14'-8½"	3'-8½"	15'-8¼"
40 FEET									6'-1¾"	15'-8½"	5'-8"	17'-2"	5'-3"	18'-5¾"	4'-10¾"	19'-8¼"
50 FEET															5'-10¼"	23'-2"

INTERMEDIATE RADII CAN BE INTERPOLATED
DIMENSION "Y" IS CALCULATED BASED ON 6'-0" RAMP LENGTH
DIMENSION "X" IS CALCULATED BASED ON 5'-0" SIDEWALK WIDTH



SECTION C-C FOR TYPE 4B

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼-INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

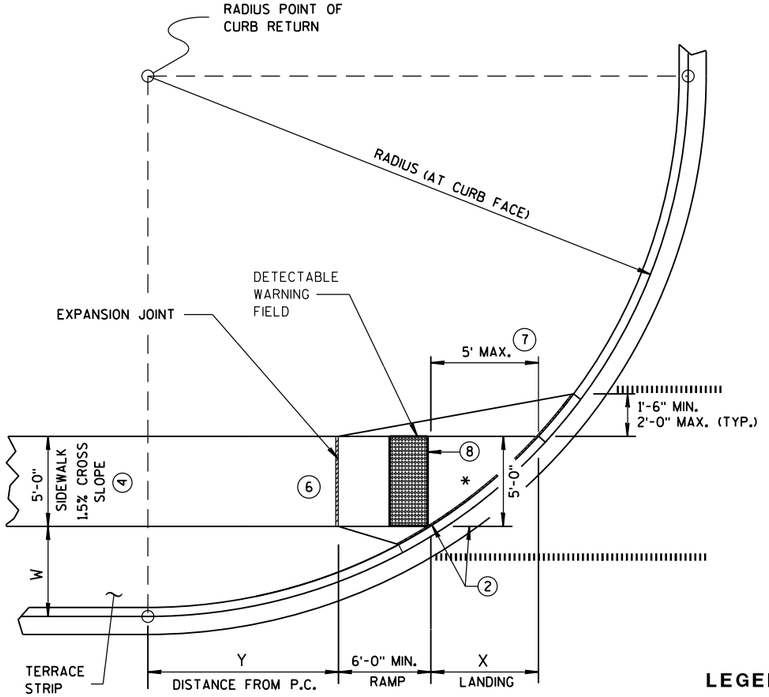
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET.

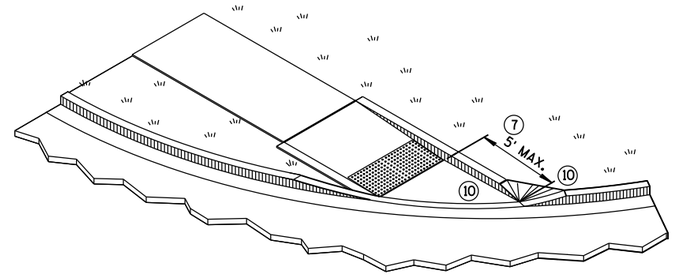
(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

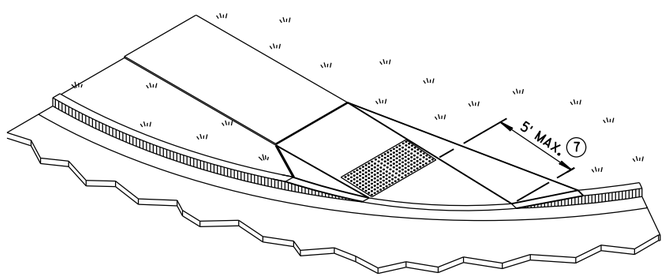
(10) INSTALL TRANSITION NOSE. (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.



CURB RAMP TYPE 4B1
PLAN VIEW



ISOMETRIC VIEW FOR TYPE 4B



ISOMETRIC VIEW FOR TYPE 4B1

LEGEND

½" EXPANSION JOINT-SIDEWALK

CONTRACTION JOINT FIELD LOCATED

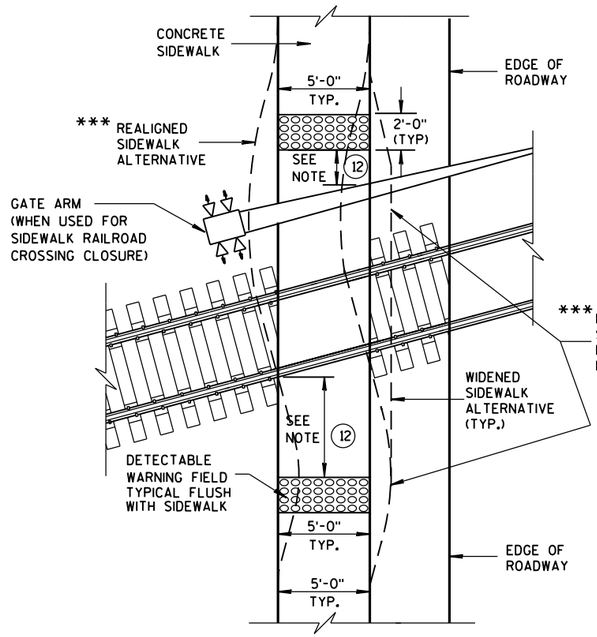
PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS TYPE 4B AND 4B1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

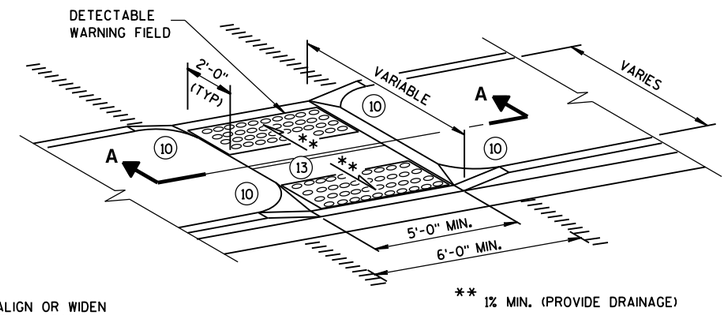
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S.D.D. 8 D 5-19d



TYPE 8
DETECTABLE WARNINGS AT RAILROAD CROSSING

*** DETAILS TO BE DETERMINED BY DESIGNER



** 1% MIN. (PROVIDE DRAINAGE)

MEDIAN ISLAND
NON-ELEVATED PEDESTRIAN CROSSING
TYPE 5

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN 1/4-INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

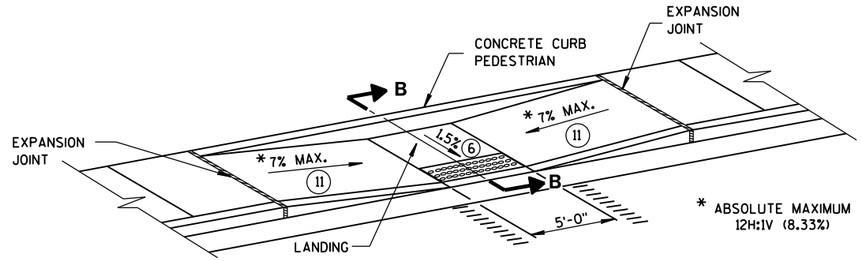
(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET.

(10) INSTALL TRANSITION NOSE. (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

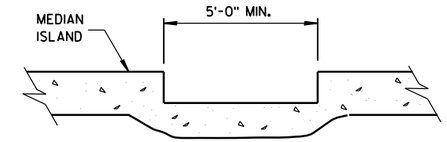
(11) SLOPE SIDEWALK TOWARD LANDING AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

(12) 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.

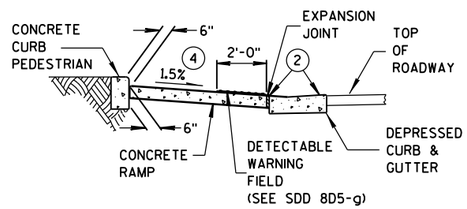
(13) DO NOT INSTALL DETECTABLE WARNING FIELDS AT THE EDGES OF STREET-LEVEL PEDESTRIAN REFUGE ISLANDS IF A MINIMUM 2-FOOT CONCRETE SURFACE WITHOUT DETECTABLE WARNINGS (MEASURED IN THE DIRECTION OF PEDESTRIAN TRAVEL) CANNOT BE ACHIEVED.



MID-BLOCK CROSSING
TYPE 7A

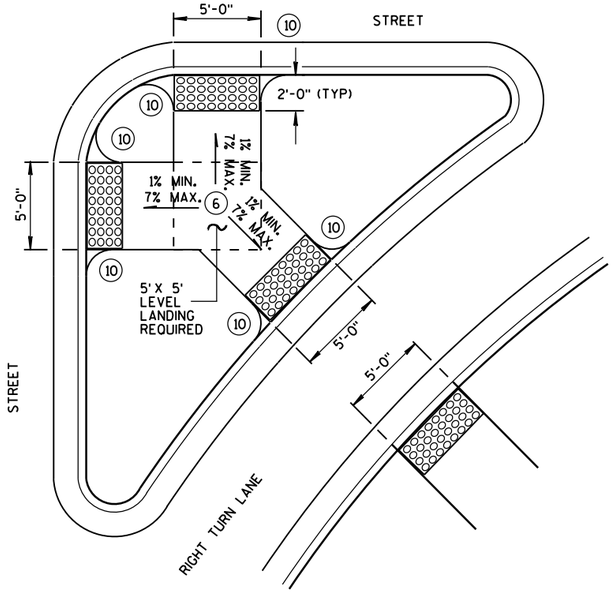


SECTION A-A

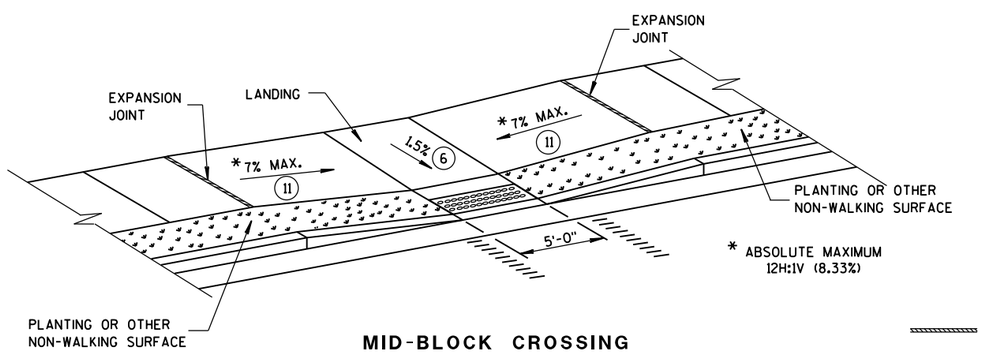


SECTION B-B

REFER TO GENERAL NOTES (2) AND (3) FOR ALL ISLAND CURB RAMPS



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

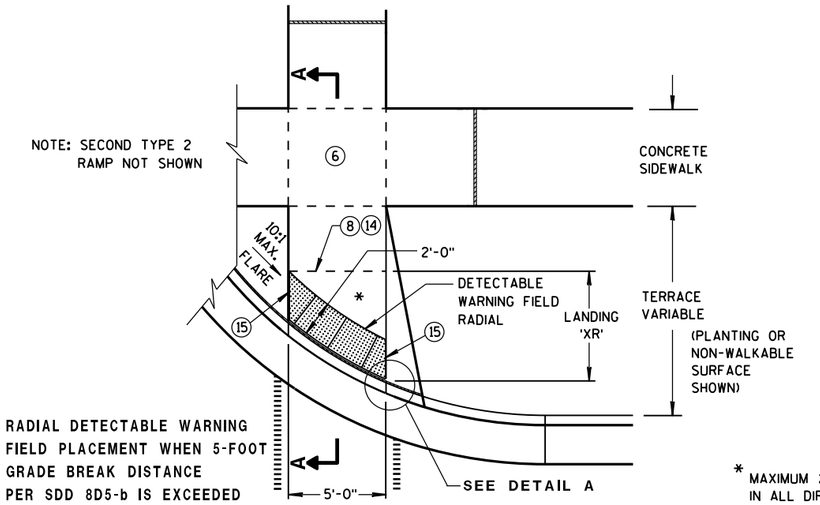
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

S.D.D. 8 D 5-19e

6

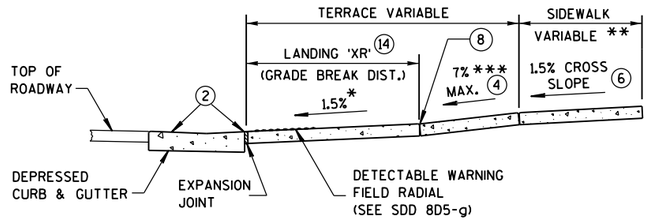
S.D.D. 8 D 5-19e



TYPE 2 RAMP
PLAN VIEW
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)

(ON LINE WITH SIDEWALK)

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK



** WIDTH SHOWN ELSEWHERE IN THE PLANS

*** ABSOLUTE MAXIMUM 12H:1V (8.33%)

SECTION A-A

LEGEND

- ½" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETECTABLE WARNING FIELDS (DWFs) THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

APPLY RADIAL DETECTABLE WARNING PLACEMENT SIMILARLY FOR TYPE 4A AND 4A1 CURB RAMPS AND SIMILARLY FOR TYPE 4B AND 4B1 CURB RAMPS. TYPE 4A AND 4B CURB RAMPS ARE NOT SHOWN.

REFER TO SDD 8D5-g FOR ADDITIONAL RADIAL PLATE REQUIREMENTS.

FIELD CUTS AT INTERMEDIATE JOINTS WITHIN THE RADIAL DETECTABLE WARNING FIELD ARE PROHIBITED.

DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AND ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼-INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET.

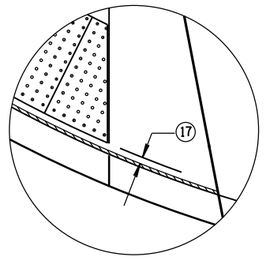
(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

(14) CONSULT ENGINEER IF GRADE BREAK LOCATION (END OF LANDING DIMENSION 'XR') REQUIRES FIELD ADJUSTMENT WHEN ESTABLISHING FINAL RADIAL DETECTABLE WARNING FIELD LOCATION.

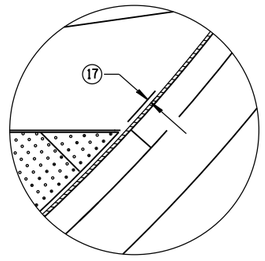
(15) FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN 1/8" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.

(16) USE 1'X 2' RECTANGULAR END PLATE AT END OF TYPE 4A1 RAMP AND PROVIDE MINIMUM 2'-0" DETECTABLE WARNING FIELD COVERAGE (IN DIRECTION OF PEDESTRIAN TRAVEL) ALONG THE ENTIRE CURB RAMP WIDTH.

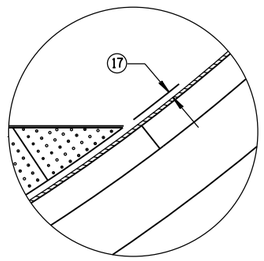
(17) A MAXIMUM 3-INCH CONCRETE BORDER WIDTH IS ALLOWABLE IN FRONT OF RADIAL DETECTABLE WARNING FIELD FOR CONSTRUCTABILITY PURPOSES. CONCRETE BORDER WIDTH MAY VARY UP TO 1 INCH.



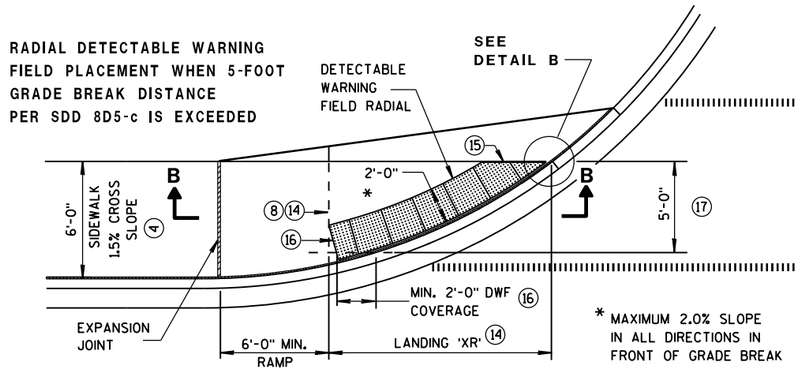
DETAIL A



DETAIL C

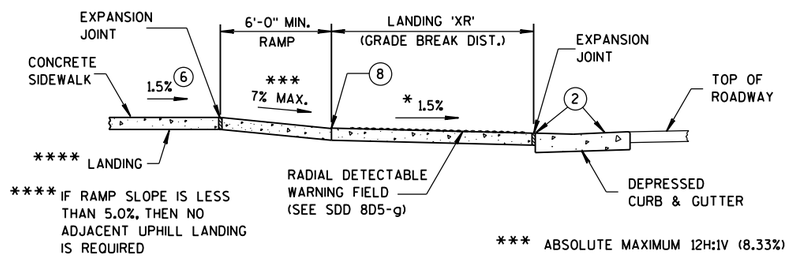


DETAIL B



* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

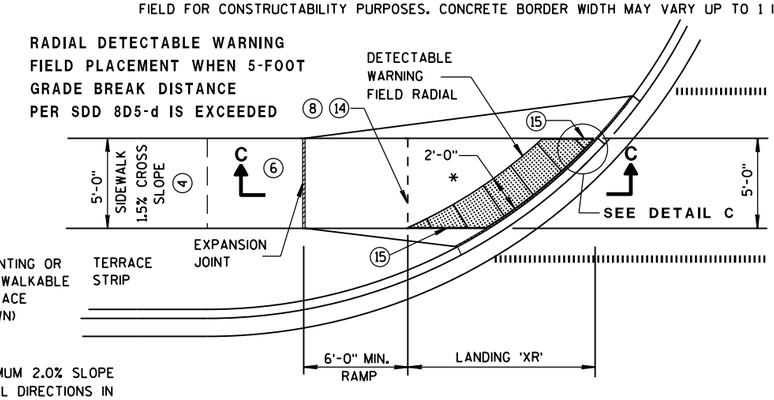
CURB RAMP TYPE 4A1
PLAN VIEW
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



**** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

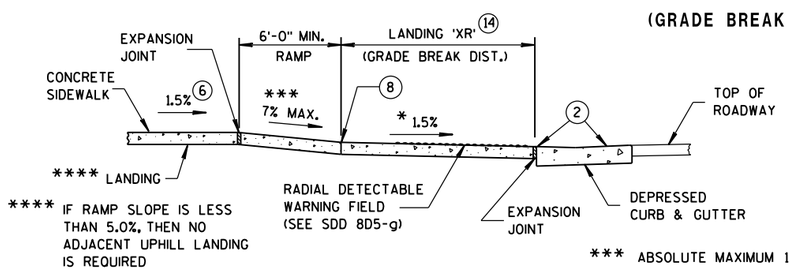
*** ABSOLUTE MAXIMUM 12H:1V (8.33%)

SECTION B-B FOR TYPE 4A1



* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

CURB RAMP TYPE 4B1
PLAN VIEW
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



**** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

*** ABSOLUTE MAXIMUM 12H:1V (8.33%)

SECTION C-C FOR TYPE 4B1

CURB RAMPS
RADIAL DETECTABLE WARNING FIELD APPLICATIONS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

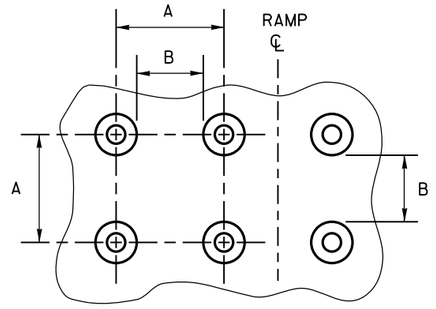
S.D.D. 8 D 5-19f

6

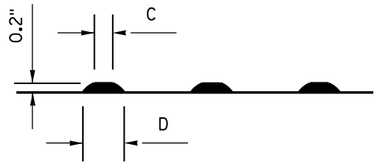
S.D.D. 8 D 5-19f

	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.



PLAN VIEW



ELEVATION VIEW

TRUNCATED DOMES

DETECTABLE WARNING PATTERN DETAIL

GENERAL NOTES

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

PLACE ALL DETECTABLE WARNING FIELD SYSTEMS IN ACCORDANCE TO THE MANUFACTURER'S RECOMMENDATION.

FIELD CUTS AT INTERMEDIATE JOINTS WITHIN THE RADIAL DETECTABLE WARNING FIELD ARE PROHIBITED.

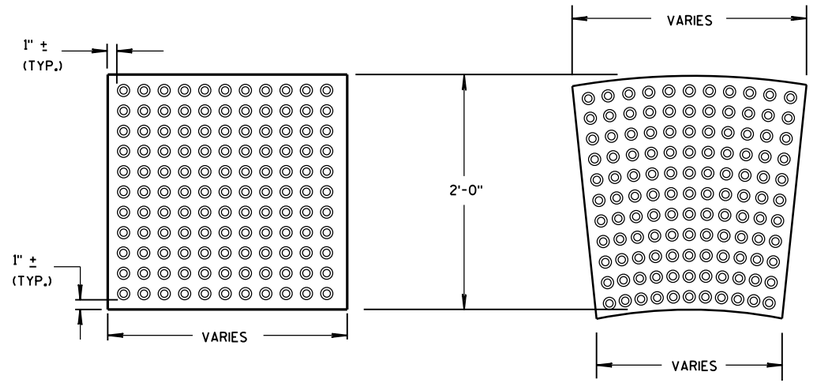
DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AND ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

FOR RADIAL DETECTABLE WARNING FIELD APPLICATIONS WHERE STANDARD RADIAL PLATES ARE NOT AVAILABLE AT AN INTERSECTION CURB RADIUS, A COMBINATION OF SQUARE OR RECTANGULAR PLATES AND RADIAL PLATES MAY BE USED TO FORM RADIAL CONFIGURATION. RADIAL WEDGES IN COMBINATION WITH SQUARE PANELS ARE ALSO ACCEPTABLE. FOLLOW MANUFACTURER'S RECOMMENDATIONS.

REFER TO CONTRACT AND STANDARD SPECIFICATIONS FOR FIELD CUTTING REQUIREMENTS.

DO NOT EMBED IN CONCRETE ANY FIELD-CUT PLATES WITH CUT EDGES SHORTER THAN 6 INCHES. CONSULT WITH MANUFACTURER FOR RE-DRILLING AND ANCHORING REQUIREMENTS OF FIELD-CUT PLATES.

⑮ FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN 1/8" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.

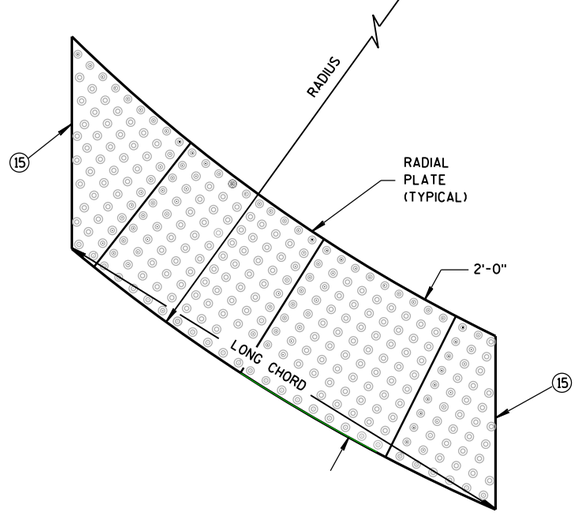


RECTANGULAR PLATES

RADIAL PLATES

DETECTABLE WARNING FIELDS (TYPICAL)

PLAN VIEW



RADIAL DETECTABLE WARNING FIELD ATTRIBUTES

CURB RAMPS
RECTANGULAR AND RADIAL
DETECTABLE WARNING PLATES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2017 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS UNIT SUPERV
FHWA

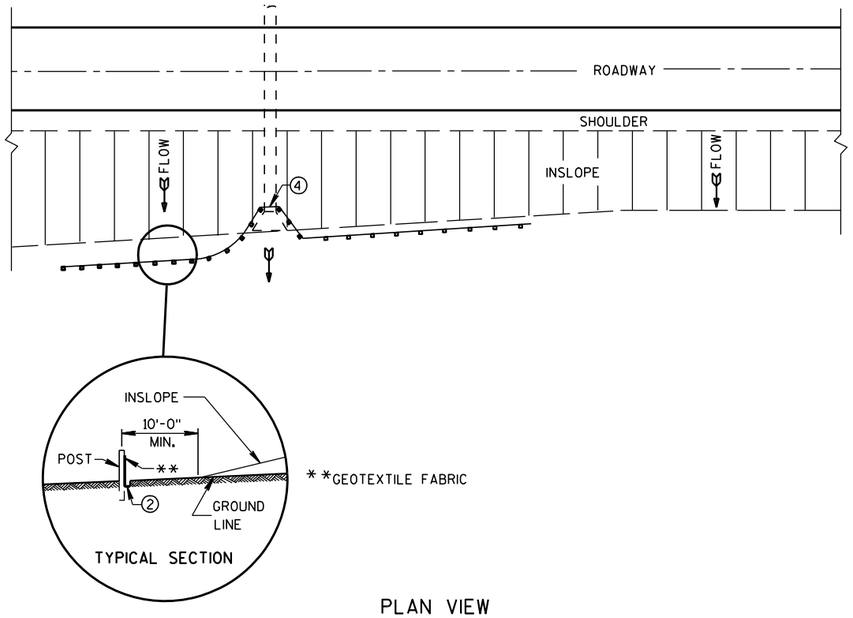
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S.D.D. 8 D 5-19g

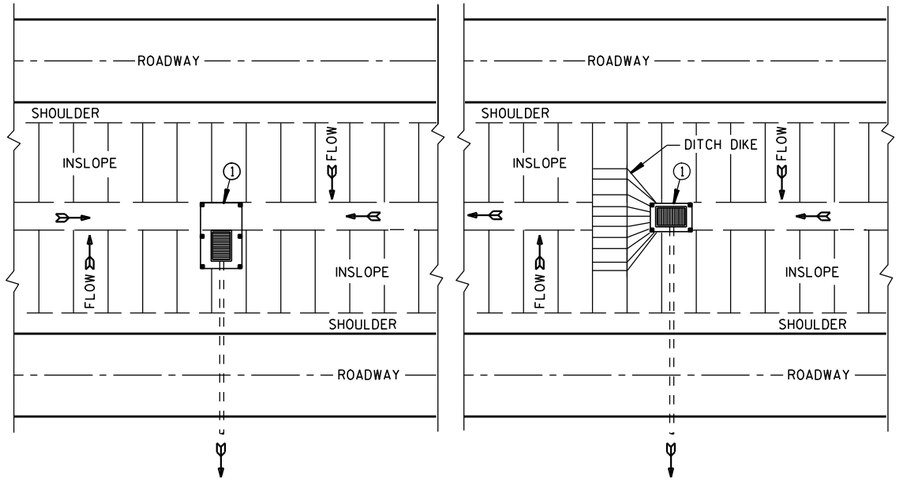
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S.D.D. 8 D 5-19g



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.

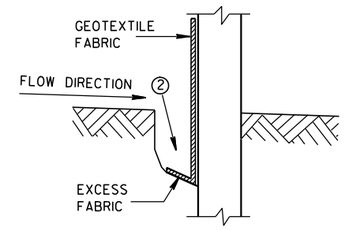
① HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.

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.

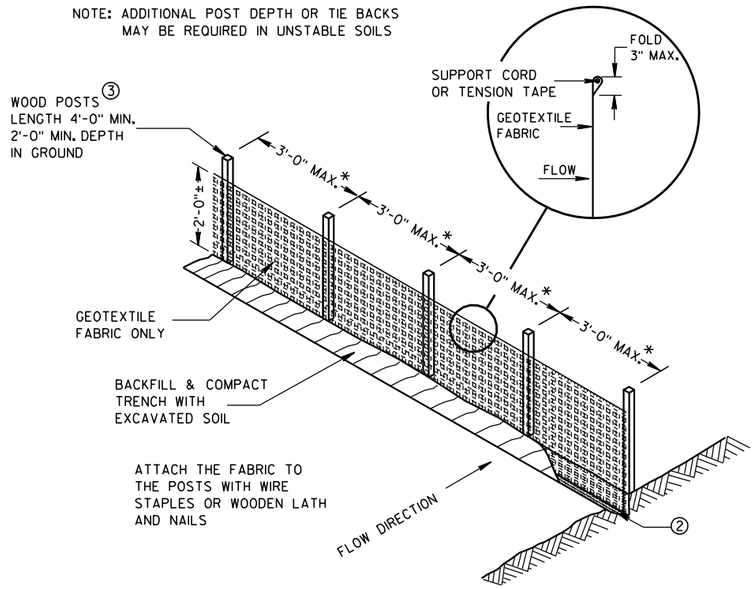
③ WOOD POSTS SHALL BE A MINIMUM SIZE OF 1⅛" X 1⅛" OF OAK OR HICKORY.

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.

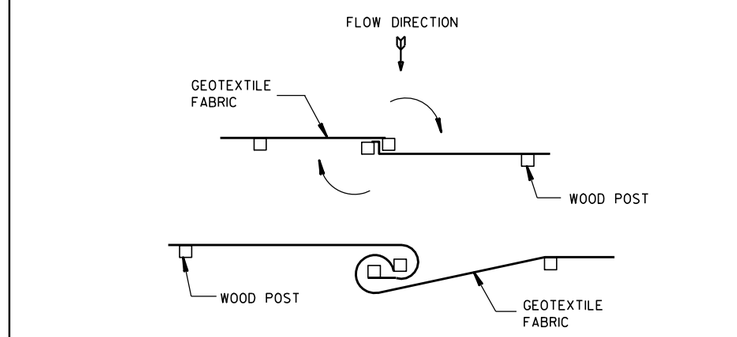


TRENCH DETAIL

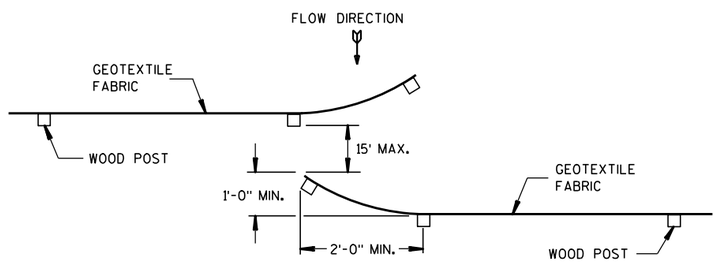


*NOTE: 8'-0" POST SPACING ALLOWED IF A WOVEN GEOTEXTILE FABRIC IS USED.

SILT FENCE

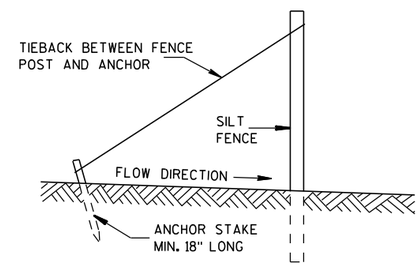


TWIST METHOD



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

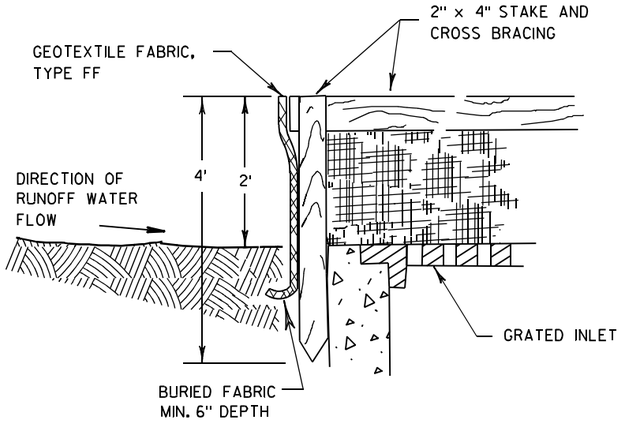
APPROVED
4-29-05 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

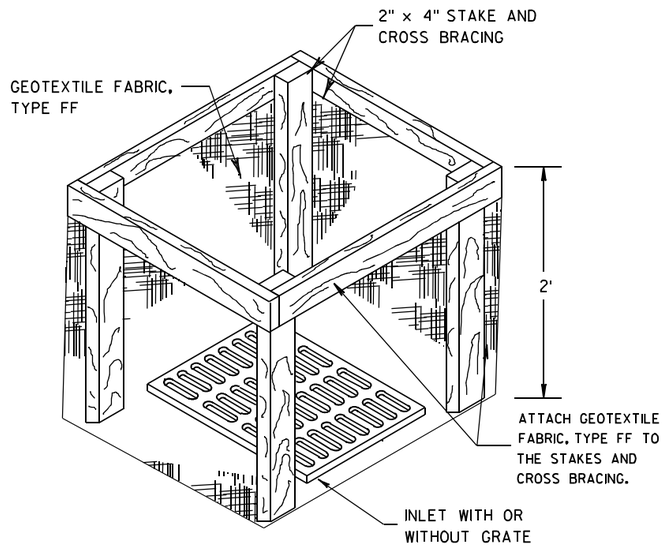
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S.D.D. 8 E 9-6

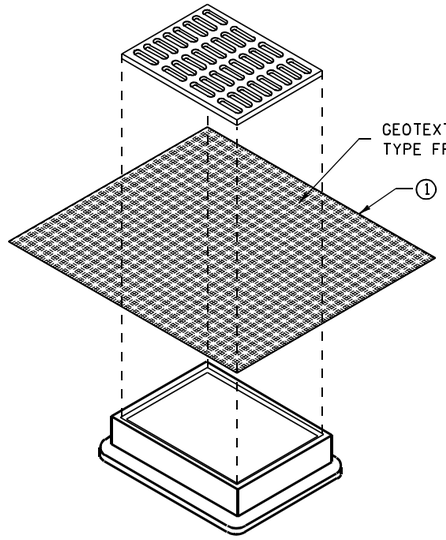
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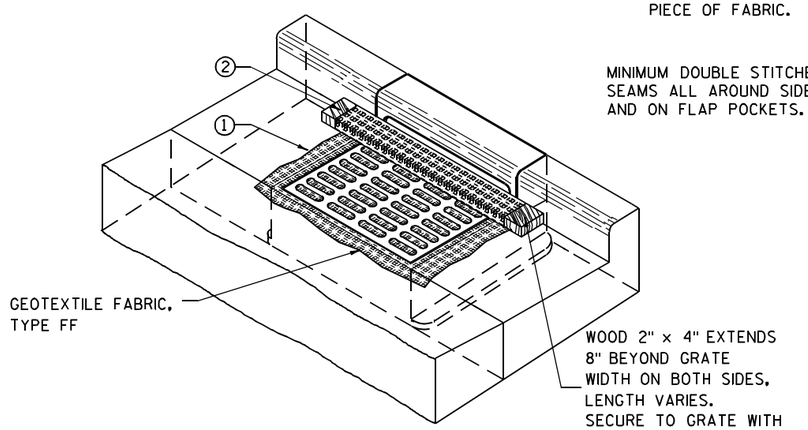


INLET PROTECTION, TYPE A

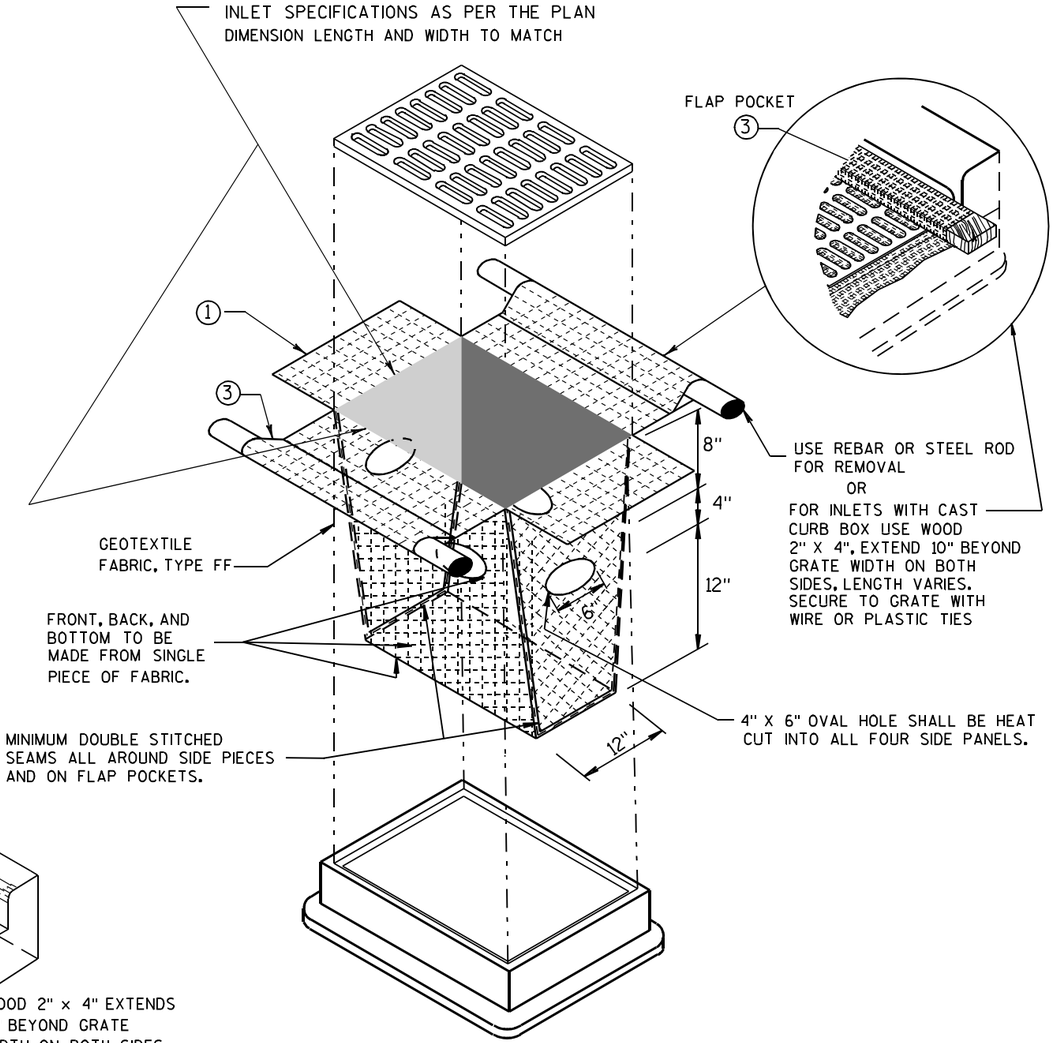


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(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.

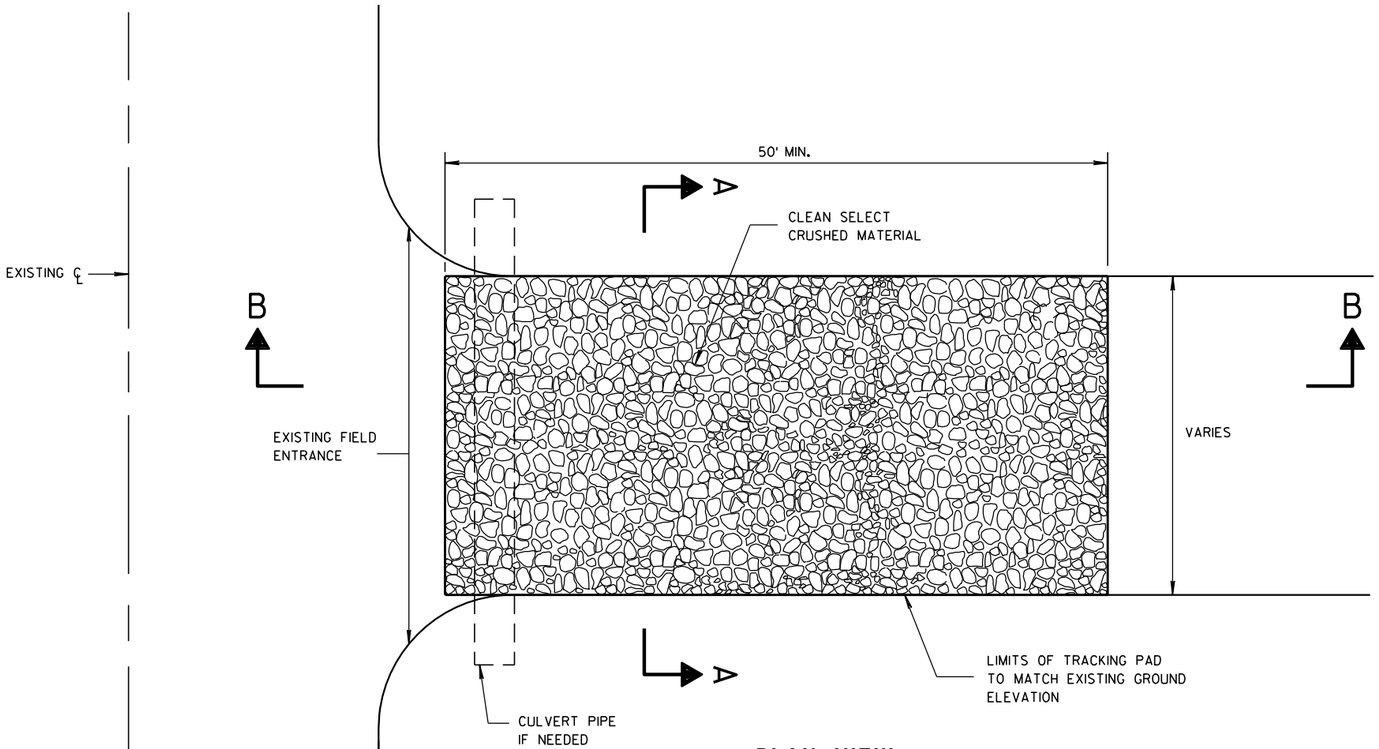
THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

INLET PROTECTION
TYPE A, B, C, AND D

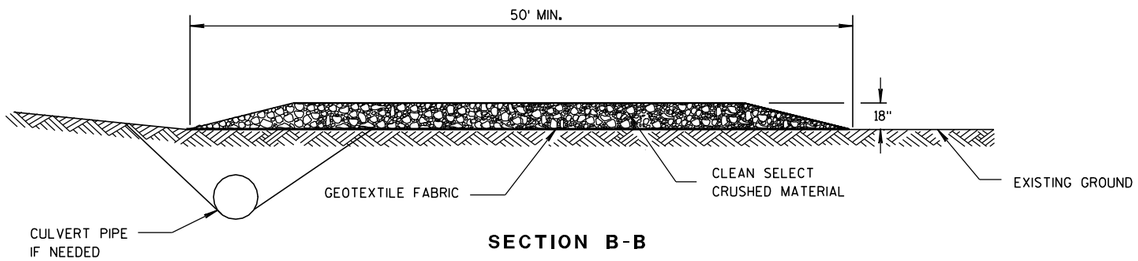
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
10/16/02
DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6
S.D.D. 8 E 10-2



PLAN VIEW



SECTION B-B

GENERAL NOTES

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

TRACKING PAD SHALL BE INSPECTED DAILY. DEFICIENT AREAS SHALL BE REPAIRED OR REPLACED IMMEDIATELY.

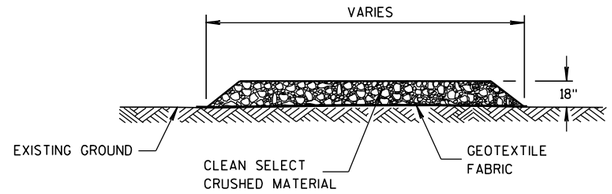
TRACKING PAD TO BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

TRACKING PAD SHALL BE THE FULL WIDTH OF THE EGRESS POINT.

SURFACE WATER MUST BE PREVENTED FROM PASSING THROUGH THE TRACKING PAD. FLOWS SHALL BE DIVERTED AWAY, AROUND OR CONVEYED UNDER THE TRACKING PAD.

CULVERT PIPE OR OTHER BMP USED TO DIVERT WATER AWAY, AROUND OR UNDER THE TRACKING PAD SHALL BE DESIGNED TO CONVEY THE 2 YEAR - 24 HOUR EVENT.

THE COST OF ADDITIONAL BMP TO DIVERT WATER ARE INCIDENTAL TO THE TRACKING PAD BID ITEM.



SECTION A-A

TRACKING PAD

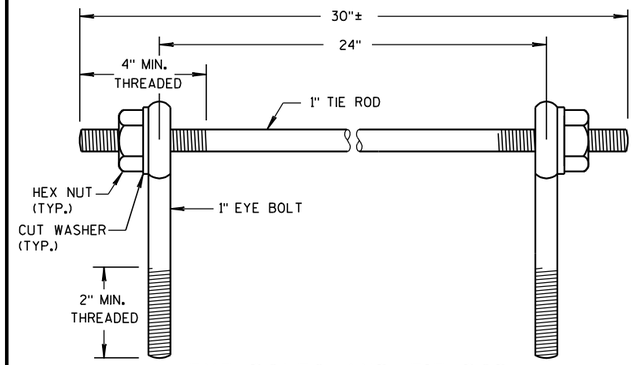
TRACKING PAD	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED 3/24/2011 DATE FHWA	/S/ Jerry H. Zoda ROADWAY STANDARDS ENGINEER
	180
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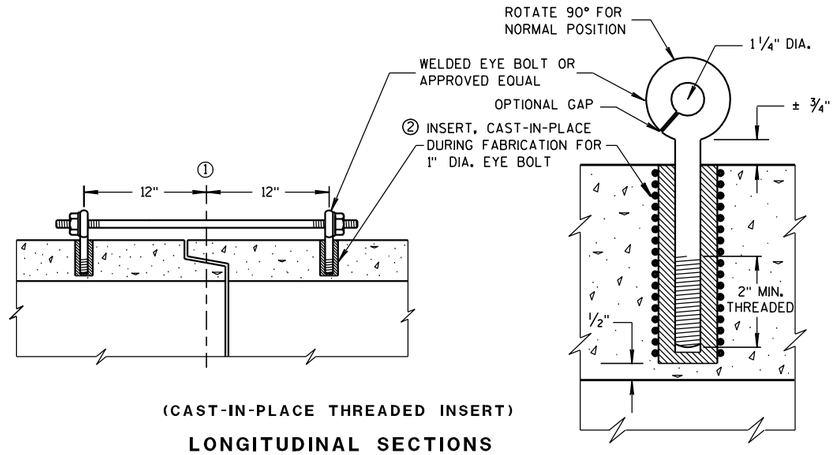
S.D.D. 8 E 14-1

6

S.D.D. 8 E 14-1



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.

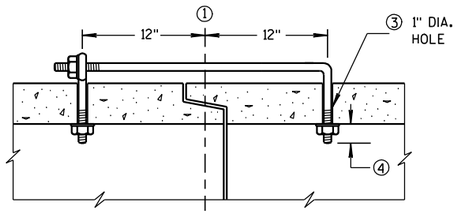
② THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE BOLTS.

③ HOLES SHALL BE CAST-IN-PLACE OR DRILLED 12 INCHES FROM ℄ OF TONGUE AND GROOVE.

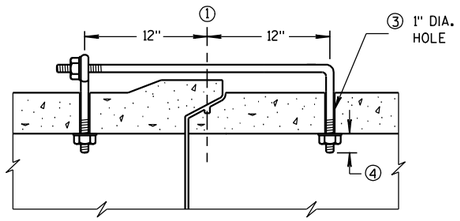
④ BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

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)

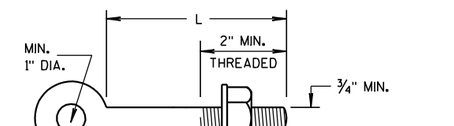


(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

EYE BOLT DIMENSION TABLE

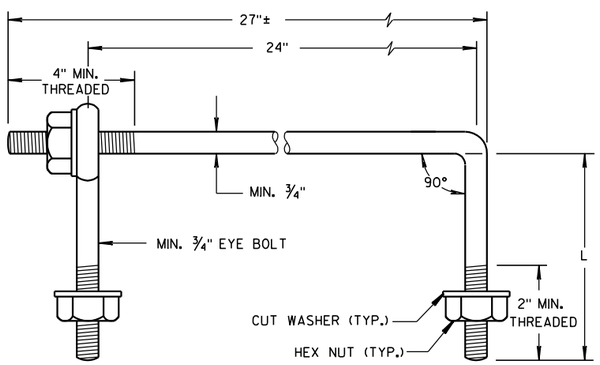
PIPE SIZE	L = LENGTH	
	TONGUE & GROOVE PIPE	MODIFIED BELL PIPE
18" TO 24"	4 1/2"	6 1/4"
30"	5"	7"
36"	5 1/2"	7"
42"	6"	
48"	6 1/2"	
60"	7 1/2"	
66"	8"	



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

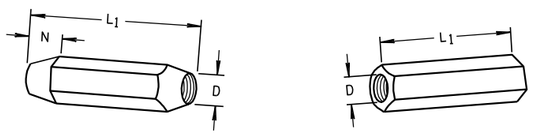
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

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

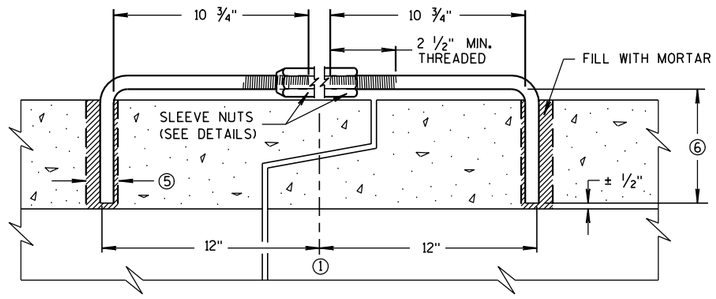
DIMENSIONS SHOWN ARE IN INCHES



TAPERED PLAIN

RIGHT AND LEFT THREADS

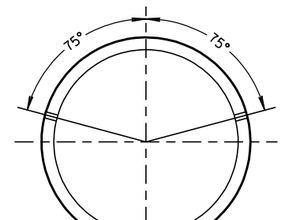
SLEEVE NUTS



LONGITUDINAL SECTION

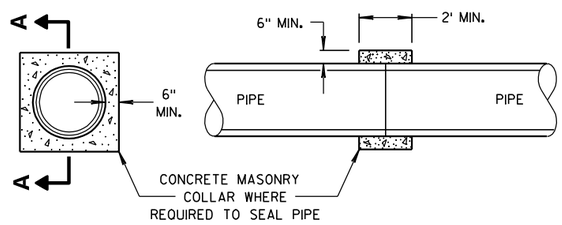
(JOINT TIES FOR 12" TO 108" DIA. CONCRETE PIPE)

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

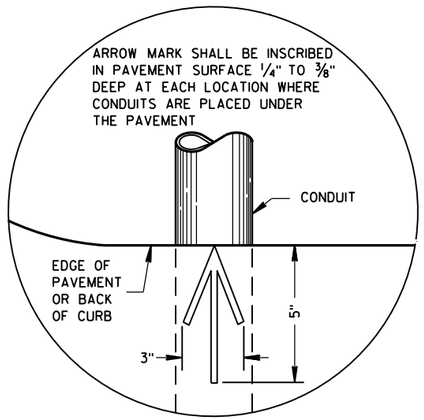
JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/5/2012 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
181
FHWA

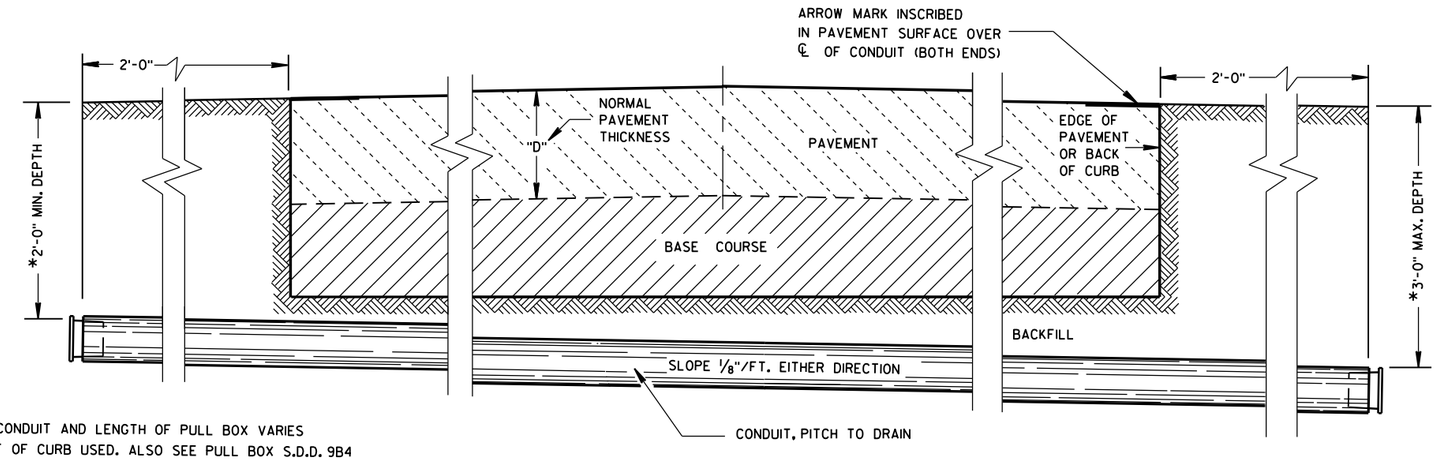
6

S.D.D. 8 F 4-7



PLAN VIEW

ARROW MARK



*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

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.).

TRACER 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.

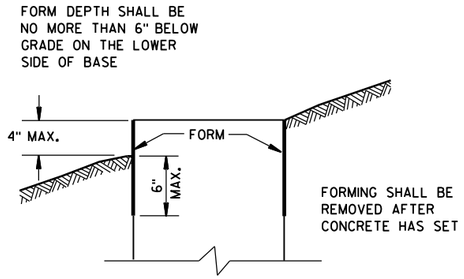
CONDUIT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March, 2017 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

6

S.D.D. 9 B 2-10



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.

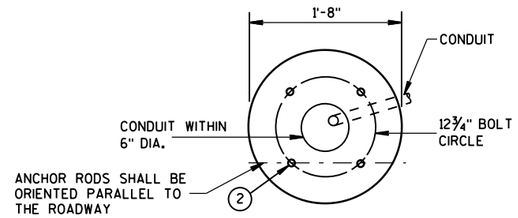
(4) (6) NO. 6 X 6'-8" BAR STEEL REINFORCEMENT.

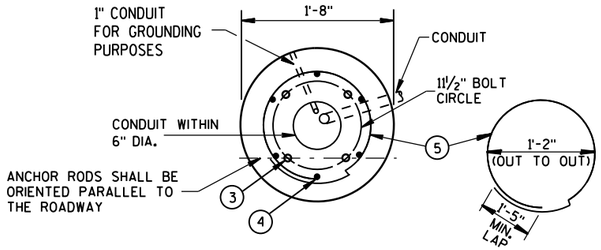
(5) (7) NO. 4 X 5'-1" BAR STEEL REINFORCEMENT @ 1'-0" C-C.

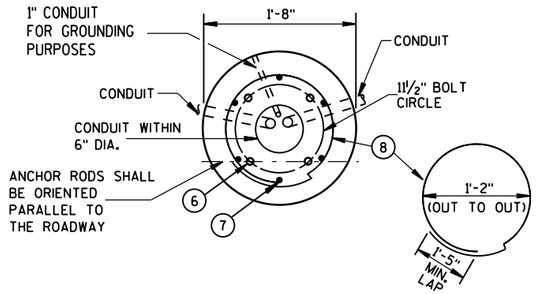
(6) (4) 1" DIA. X 3'-6" ANCHOR RODS.

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

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

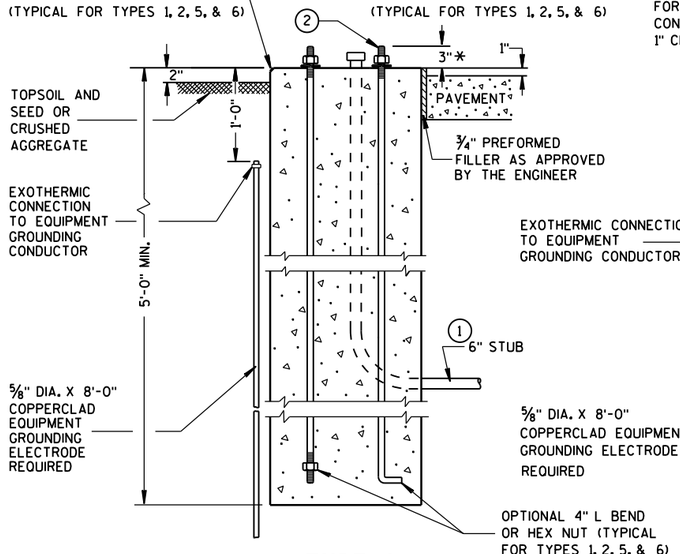




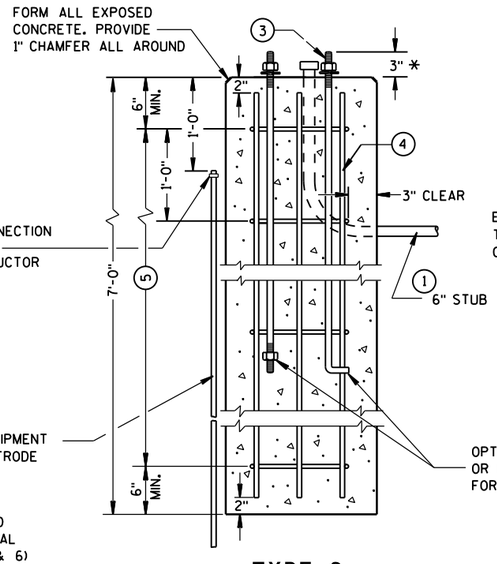


HALF SECTION IN UNPAVED AREA
(TYPICAL FOR TYPES 1, 2, 5, & 6)

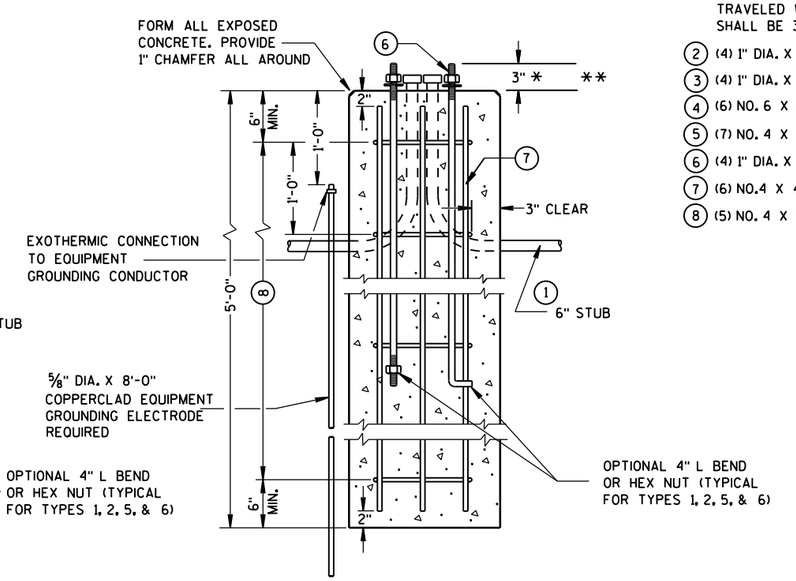
HALF SECTION IN PAVEMENT
(TYPICAL FOR TYPES 1, 2, 5, & 6)



TYPE 1



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
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

6

S.D.D. 9 C 2-7

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.

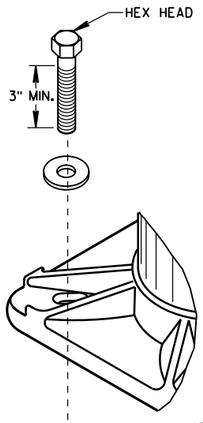
THE MECHANICAL CONNECTOR SHALL BE INSTALLED USING A 1/4" - 20 (TPI) STAINLESS STEEL HEX HEAD BOLT OF SUFFICIENT LENGTH TO FIRMLY ATTACH THE LUG TO THE BASE.

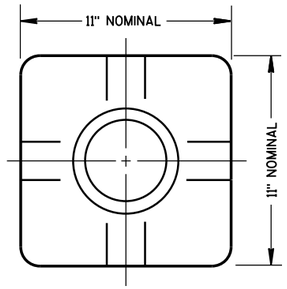
SHOULD THE MANNER OF ATTACHMENT OF THE LUG REQUIRE WASHERS, HEX NUTS, LOCK WASHER - THEY SHALL BE STAINLESS STEEL AS IS THE BOLT. THE MANNER OF ATTACHMENT SHALL NOT BLOCK ACCESSIBILITY TO WIRE PLACEMENT IN THE CONNECTOR.

PEDESTAL BASE COLLAR THREADING SHALL BE TAPERED AND IN ACCORDANCE WITH NATIONAL PIPE THREADING DIMENSIONS.

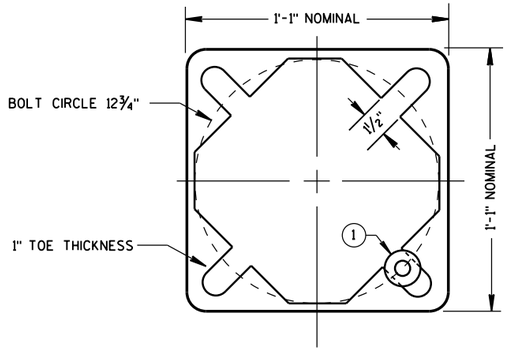
BASE COLLAR THREADING SHALL EXTEND INTO THE BASE COLLAR WITH SUFFICIENT DEPTH TO ACCEPT THE INSTALLATION OF TRAFFIC SIGNAL STANDARDS TO A DEPTH OF 1 1/2", THEN TIGHTENING TO A POINT OF BEING IMMOVABLE.

THE ACCESS DOOR SHALL BE OF THE SAME MATERIAL AS THE BASE.

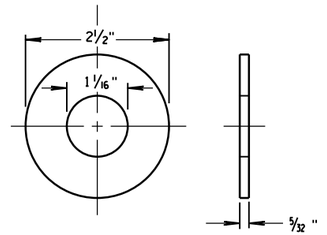




TOP VIEW
(PEDESTAL BASE)

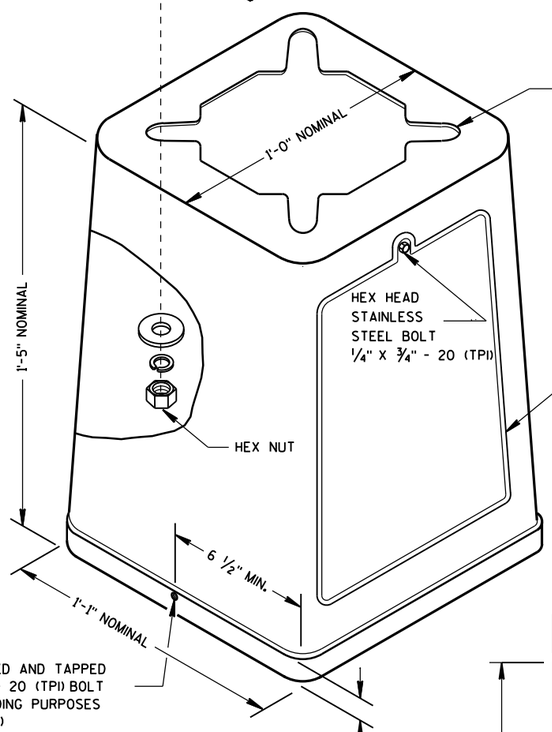


BOTTOM VIEW
(PEDESTAL BASE)

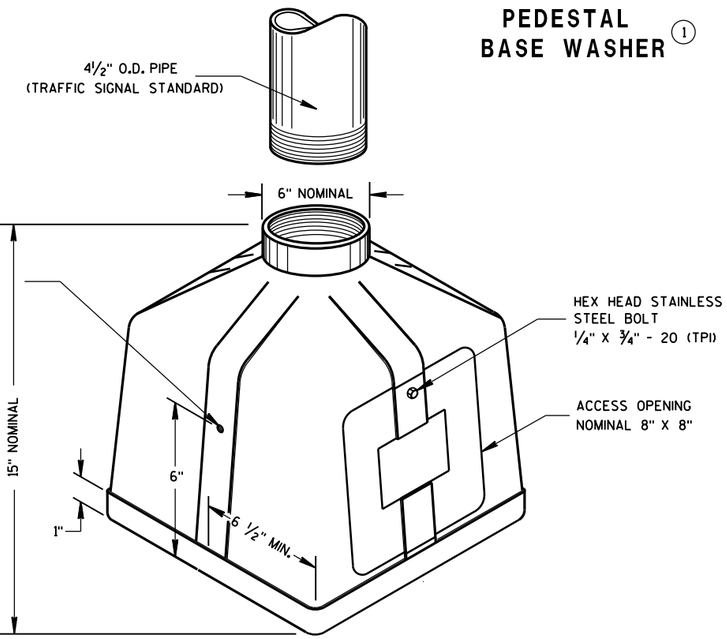


ZINC COATED STEEL WASHER
TO BE PROVIDED BY THE CONTRACTOR

PEDESTAL BASE WASHER (1)

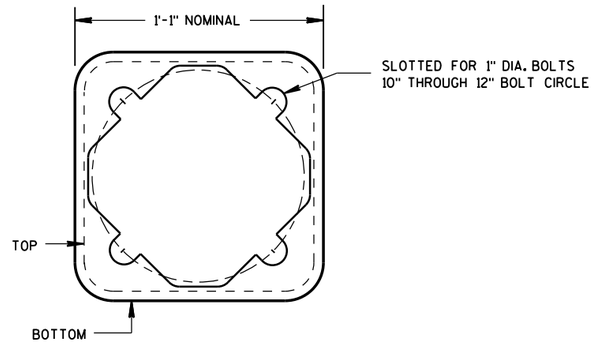


ISOMETRIC VIEW

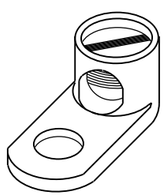


ISOMETRIC VIEW

PEDESTAL BASE



BOTTOM VIEW
(TRANSFORMER BASE)

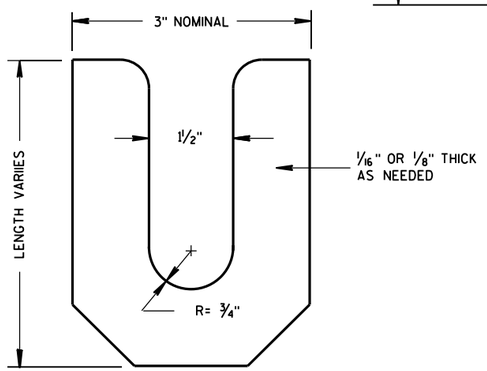


TYPICAL MECHANICAL CONNECTOR LUG

TO BE FURNISHED WITH EACH BASE

TRANSFORMER BASE

INTENDED FOR USE WITH TYPE 2, 3, 4, 5 & 6 POLES



LEVELING SHIM

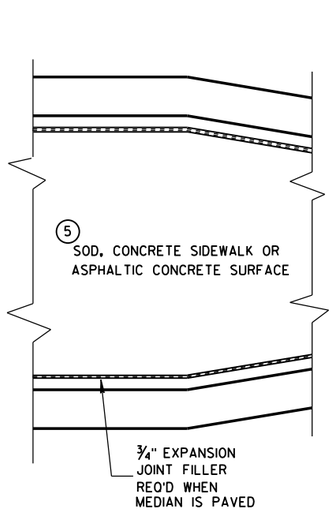
TRANSFORMER/PEDESTAL BASES

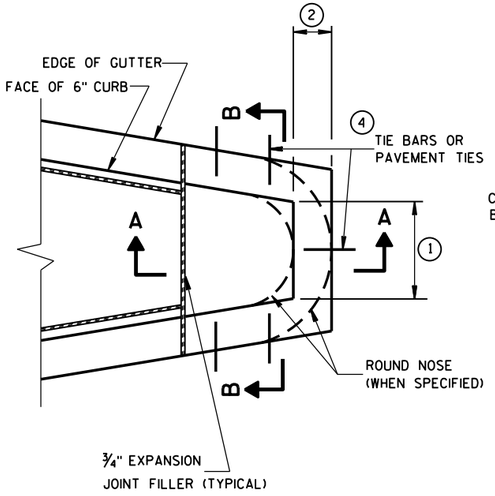
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

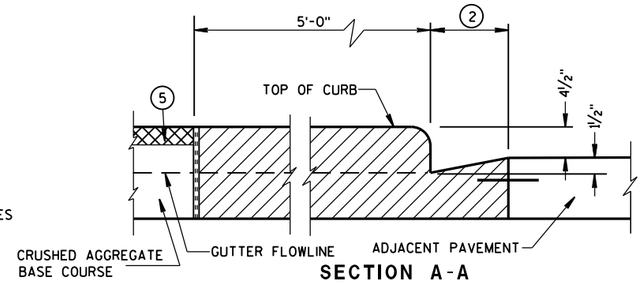
APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

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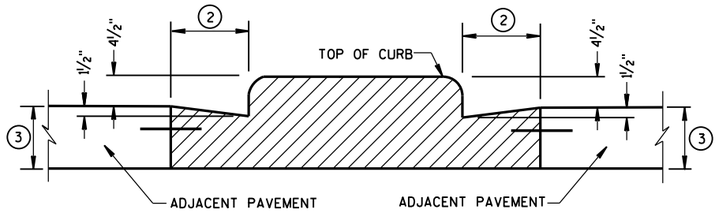
S.D.D. 9 C 3-4







SECTION A-A



SECTION B-B

CONCRETE MEDIAN BLUNT NOSE DETAIL

GENERAL NOTES

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

(1) SEE PLAN FOR MEDIAN NOSE WIDTH AND RADIUS (FOR ROUND NOSE ALTERNATE).

(2) WIDTH OF GUTTER TO MATCH EXISTING ADJACENT GUTTER OR AS SPECIFIED ELSEWHERE IN THE PLAN.

(3) DEPTH EQUAL TO ADJACENT PAVEMENT. ADJACENT PAVEMENT STRUCTURE DETAILS ARE SHOWN ON THE PLAN. TYPICAL OPTIONS ARE:

(1) NEW OR EXISTING CONCRETE PAVEMENT.

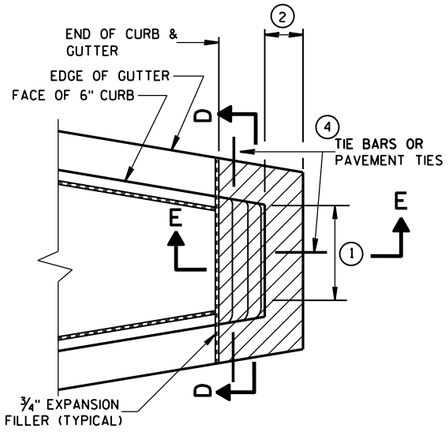
(2) ASPHALTIC CONCRETE PAVEMENT OVER NEW OR EXISTING CONCRETE BASE COURSE.

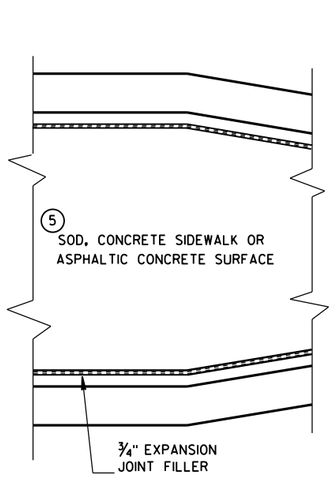
(3) ASPHALTIC CONCRETE PAVEMENT OVER CRUSHED AGGREGATE BASE COURSE.

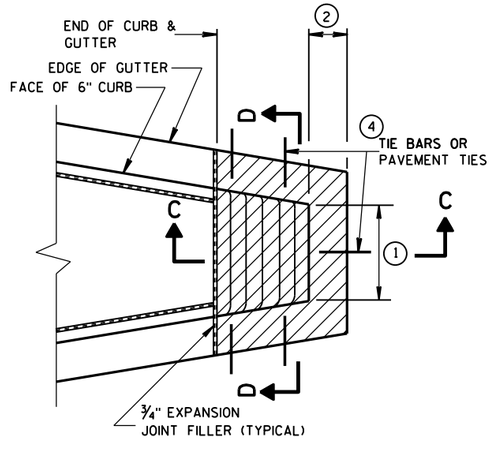
(4) TIE BARS OR PAVEMENT TIES REQUIRED IN NEW CONCRETE PAVEMENT OR CONCRETE BASE COURSE. TIE BARS SHALL BE NO. 4 X 2'-0" SPACED AT 2'-0" C-C.

PAVEMENT TIES REQUIRED IN EXISTING 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.

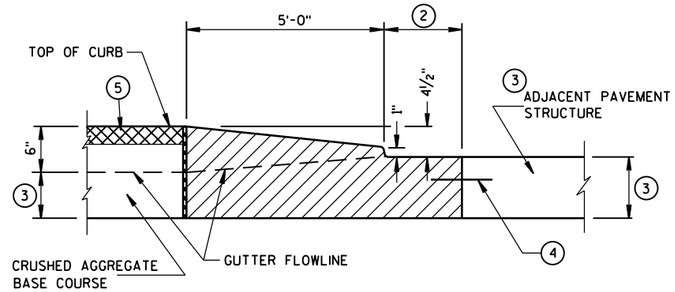
(5) SURFACE TYPE AND DETAILS ARE SHOWN ELSEWHERE IN THE PLAN.



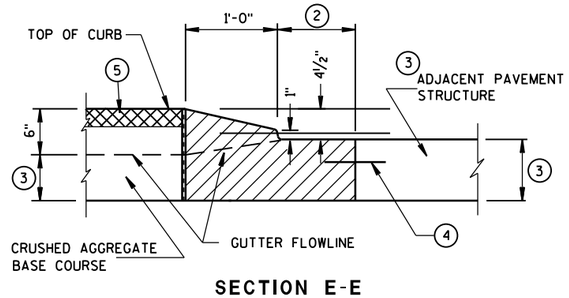




CONCRETE MEDIAN SLOPED NOSE TYPE 1

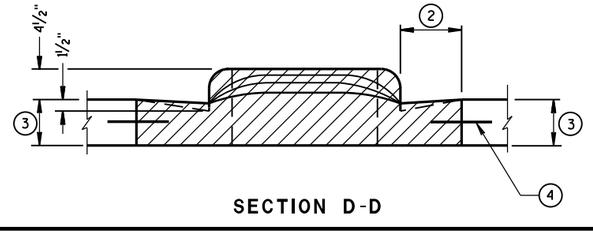


SECTION C-C



SECTION E-E

CONCRETE MEDIAN SLOPED NOSE TYPE 2



SECTION D-D

CONCRETE MEDIAN NOSE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

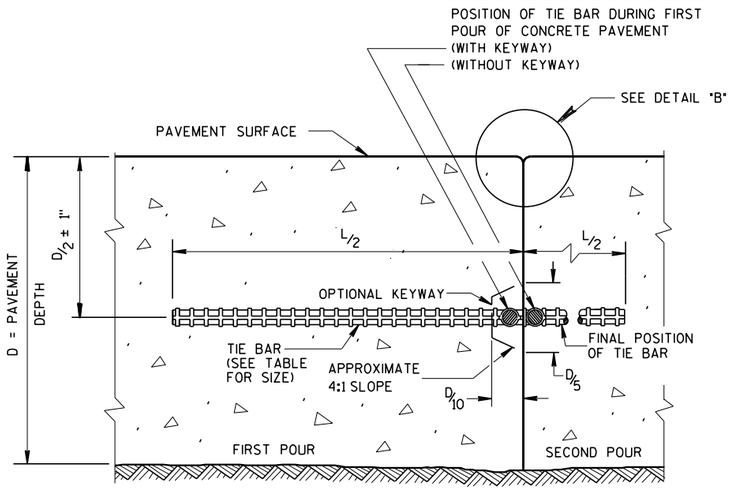
APPROVED
6/8/2006
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS D ENGINEER
FHWA

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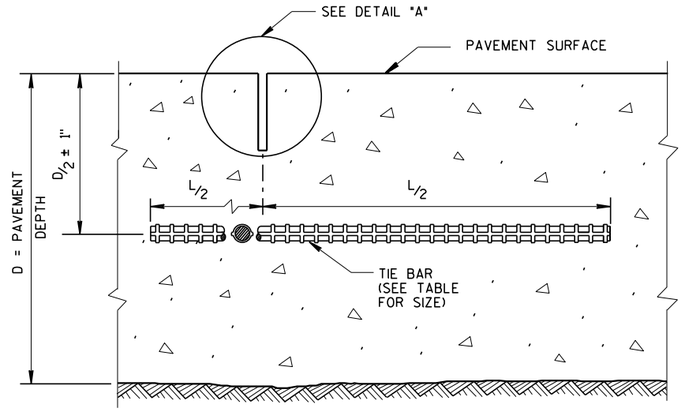
S.D.D. 11 B 2-2

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S.D.D. 11 B 2-2



CONSTRUCTION JOINT



SAWED JOINT

GENERAL NOTES

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.

(2) PAVEMENT THAT WAS IN PLACE PRIOR TO THE CONTRACT.

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)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 1/2"	NO. 4	30"	36"
≥ 10 1/2"	NO. 5	36"	36"
	NO. 4 *	30"	24" **

* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

** CONFORM TO 15" MINUMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.

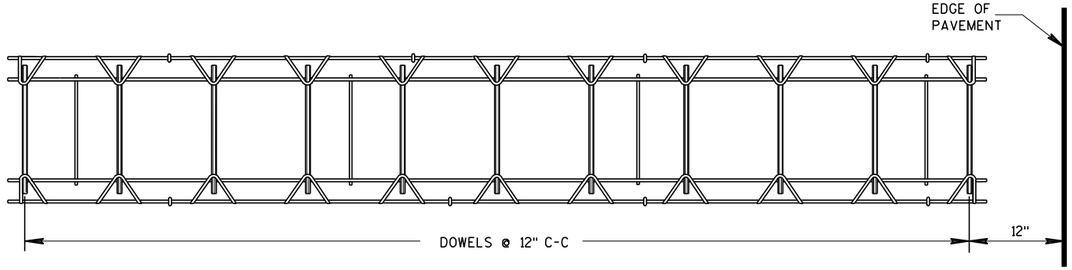
PLAN VIEW
SHOWING LOCATION OF TIE BARS

CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018 — DATE
/S/ Peter Kemp — PAVEMENT SUPE
FHWA

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S.D.D. 13 C 1-19



PLAN VIEW



SIDE VIEW

CONTRACTION JOINT DOWEL ASSEMBLY ①

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'

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.

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.

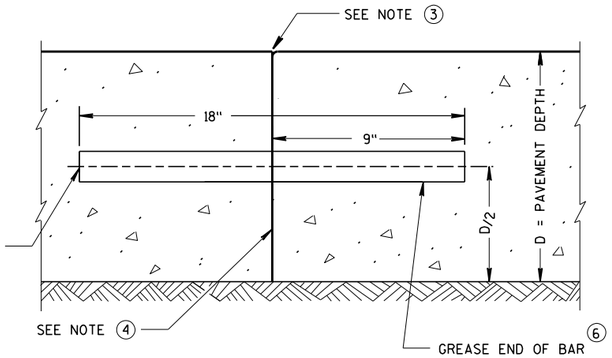
③ FORM OR SAW CONSTRUCTION JOINTS. PROVIDE A ¼-INCH RADIUS AT FORMED JOINTS.

④ PROVIDE A SMOOTH VERTICAL FACE FOR THE ENTIRE DEPTH OF THE PAVEMENT WHEN FORMING CONSTRUCTION JOINTS.

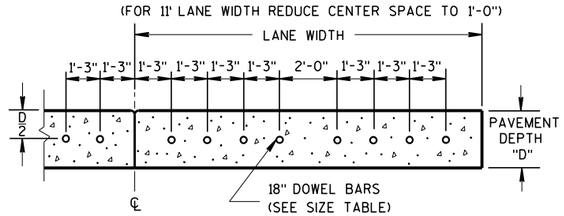
⑤ INSTALL DOWEL BARS AT CONSTRUCTION JOINTS BY FORMING OR DRILLING. INSTALL FORMED DOWEL BARS 12 INCHES C-C AND 12 INCHES FROM PAVEMENT EDGE. REMOVE EXCESS CONCRETE FROM THE FREE END OF THE DOWEL BAR IF DOWEL BARS ARE FORMED THROUGH A HEADER BOARD. INSTALL DRILLED DOWEL BARS ACCORDING TO *DRILLED DOWEL BAR CONSTRUCTION JOINT* DETAIL.

⑥ APPLY A THIN UNIFORM COATING OF SURFACE TREATMENT TO THE FREE END OF DOWEL BARS TO PREVENT BONDING.

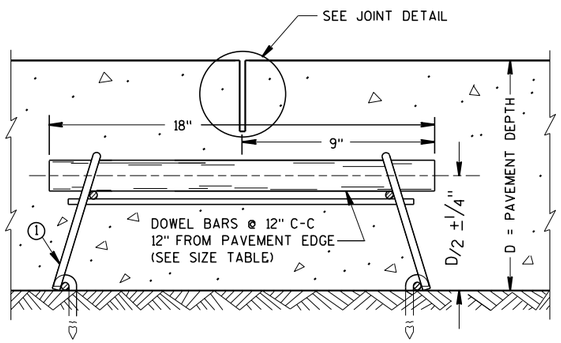
⑦ ANCHOR DOWEL BARS INTO DRILLED HOLES WITH AN EPOXY. MAXIMUM DRILLED HOLE SIZE IS ⅛-INCH GREATER THAN DOWEL BAR DIAMETER, 9 INCHES IN LENGTH.



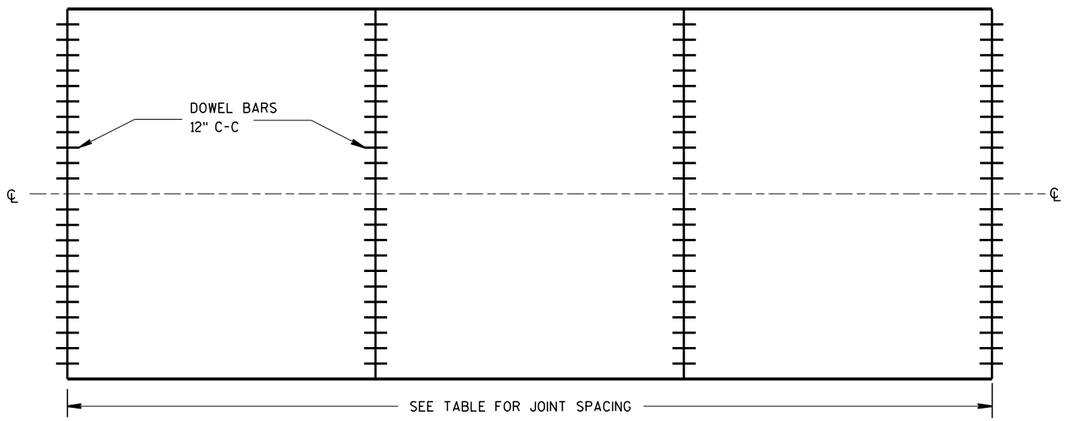
TRANSVERSE CONSTRUCTION JOINT



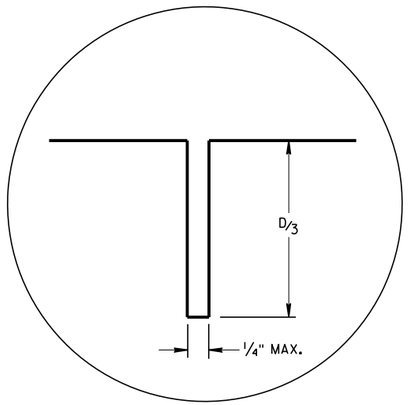
DRILLED DOWEL BAR CONSTRUCTION JOINT ⑦



DOWELED CONTRACTION JOINT



CONTRACTION JOINT LOCATIONS



JOINT DETAIL

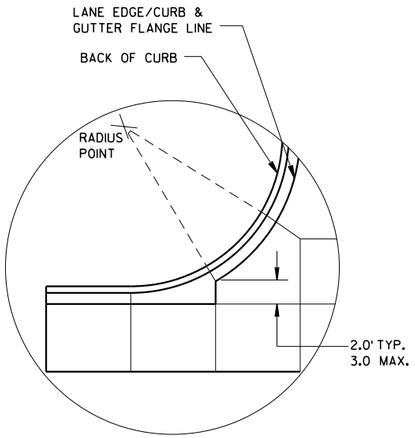
URBAN DOWELED CONCRETE PAVEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

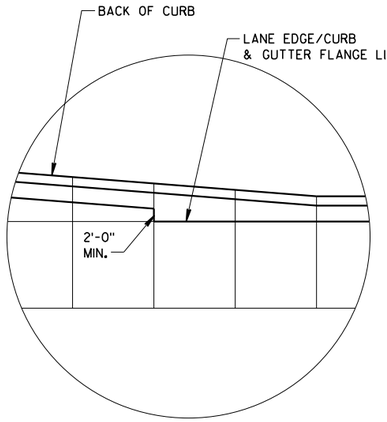
APPROVED
March 2018 — DATE
/S/ Peter Kemp P.E. — PAVEMENT SUP
FHWA

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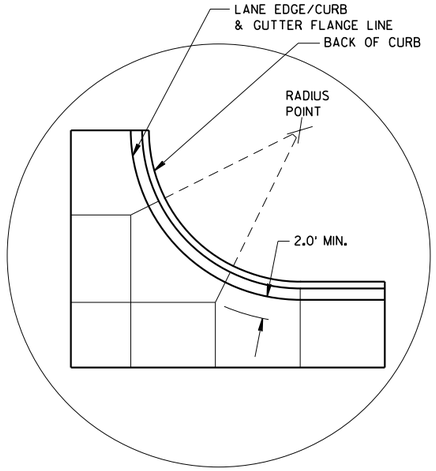
S.D.D. 13 C 13-9



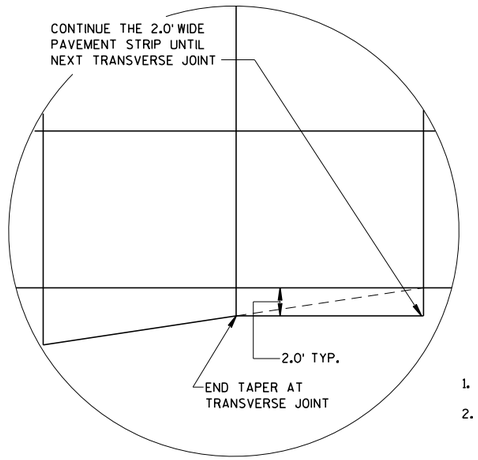
DETAIL "A"



DETAIL "B"



DETAIL "C"



DETAIL "D"

GENERAL NOTES

THE PRIMARY ROADWAY CONTROLS THE TRANSVERSE JOINT PATTERN.

ALIGN NEW JOINTS WITH EXISTING JOINTS OR CRACKS.

CONSTRUCT TRANSVERSE JOINTS PERPENDICULAR TO THE ROADWAY.

ADJUST TRANSVERSE JOINTS TO ALIGN WITH UTILITY FIXTURES (E.G. MANHOLES AND INLETS) IN THE PAVEMENT STRUCTURE WHEN POSSIBLE. WATER VALVES DO NOT REQUIRE JOINT ADJUSTMENT.

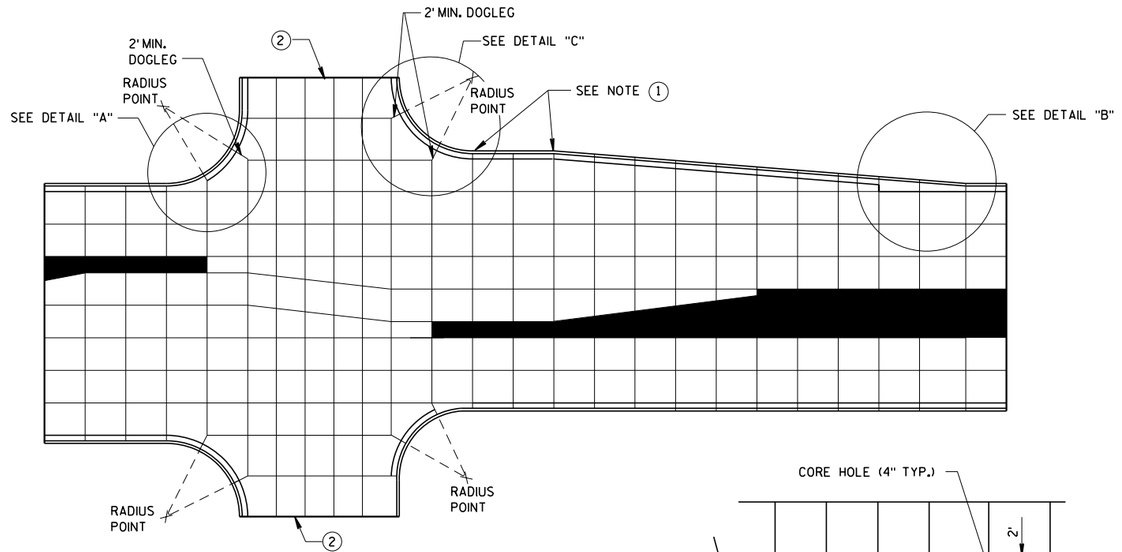
AVOID SLABS LESS THAN 2 FEET WIDE OR GREATER THAN 15 FEET WIDE.

SEE TABLE FOR TRANSVERSE JOINT SPACING. JOINT SPACING SPECIFIED IS MAXIMUM AND ACTUAL SPACING CAN BE ADJUSTED TO ACCOMMODATE INTERSECTIONS.

AVOID ANGLES LESS THAN 60° BY DOGLEGGING JOINTS THROUGH CURVE RADIUS POINTS. USE 90° ANGLES WHEN POSSIBLE.

CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

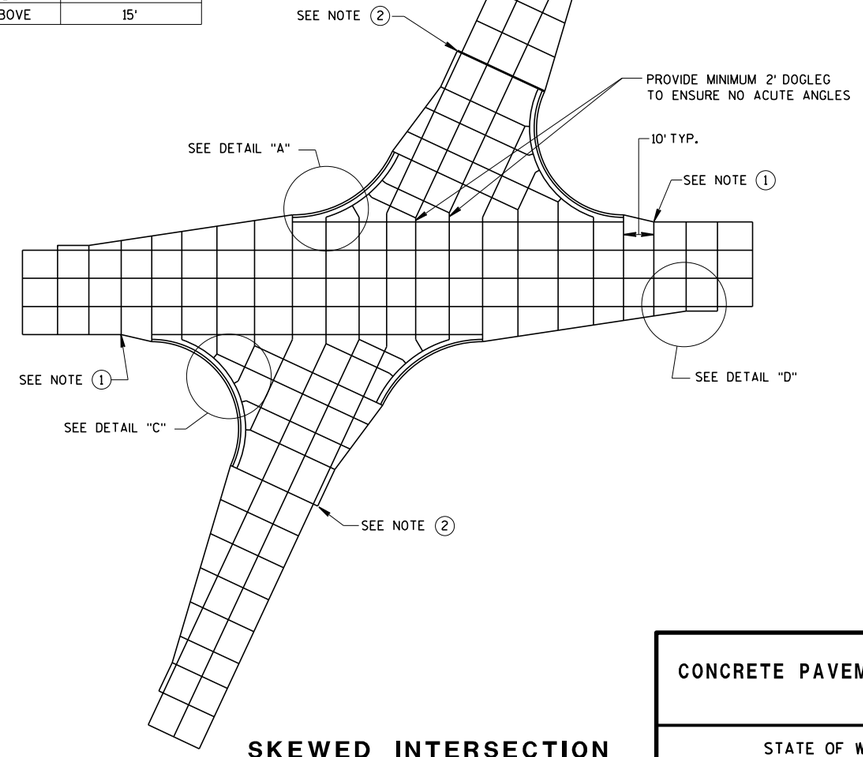
1. PROVIDE TRANSVERSE JOINTS AT ALL PAVEMENT WIDTH CHANGES.
2. CONSTRUCT DOWELED EXPANSION JOINT ON THE SIDE ROAD OF AN INTERSECTION IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH. ALIGN EXPANSION JOINT WITH EDGE OF RADIUS.
3. THE ENGINEER MAY APPROVE SLIGHT VARIATIONS FROM THESE JOINTING DETAILS.



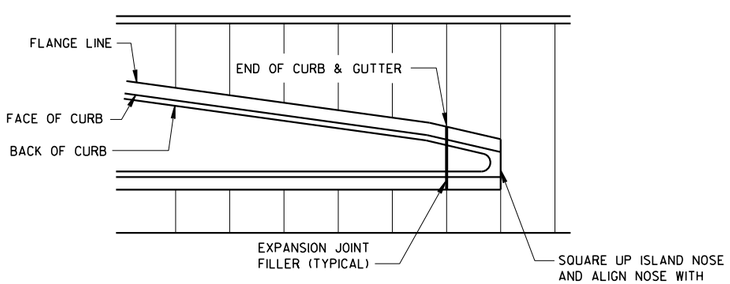
STANDARD INTERSECTION

PAVEMENT DEPTH AND JOINT SPACING TABLE

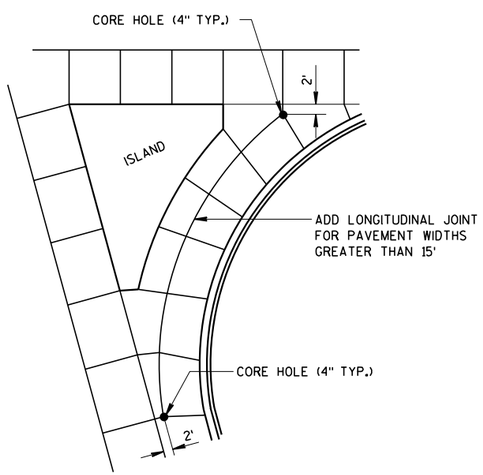
PAVEMENT DEPTH (D)	CONTRACTION JOINT SPACING
6", 6½"	12'
7", 7½"	14'
8" & ABOVE	15'



SKEWED INTERSECTION



APPROACH TO MEDIAN



LARGE RIGHT TURN

CONCRETE PAVEMENT JOINTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

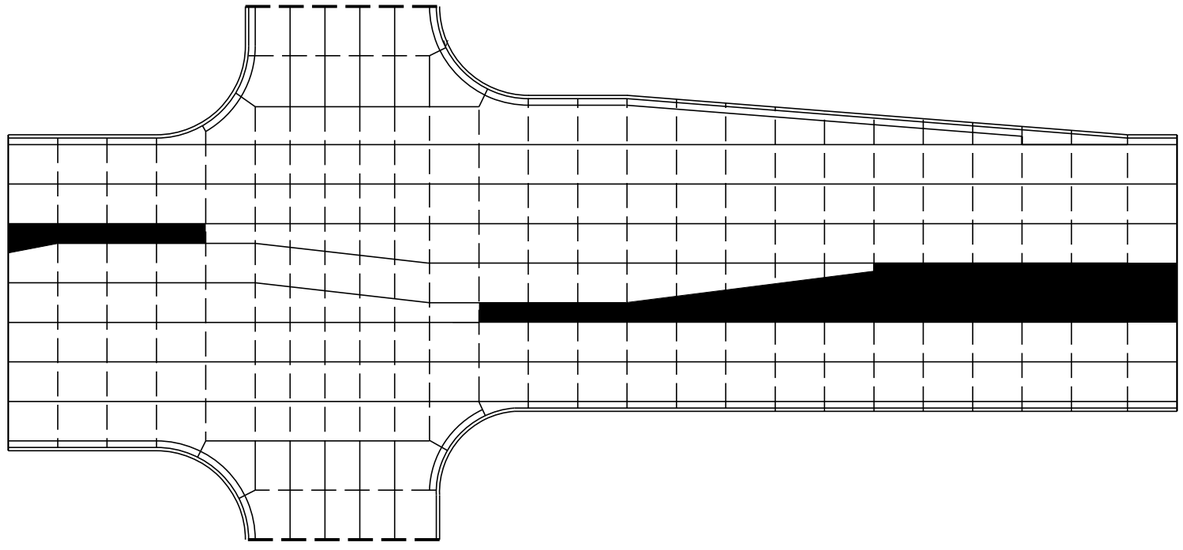
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S.D.D. 13 C 18-6a

LEGEND

POTENTIAL DOWELED EXPANSION JOINT

DOWELED JOINT

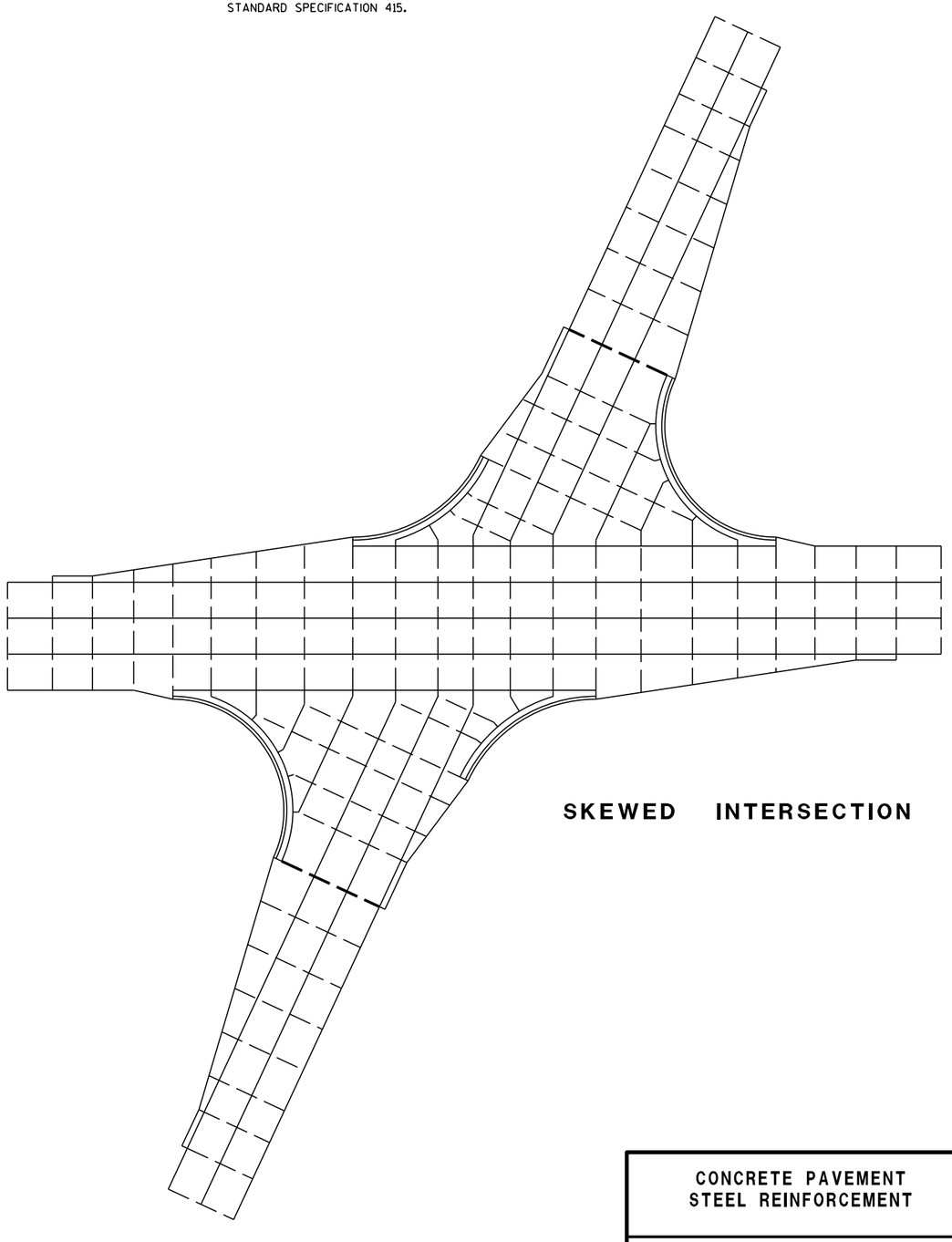
TIED JOINT



STANDARD INTERSECTION

GENERAL NOTES

USE AN EXPANSION JOINT FILLER MEETING THE REQUIREMENTS OF STANDARD SPECIFICATION 415.



SKEWED INTERSECTION

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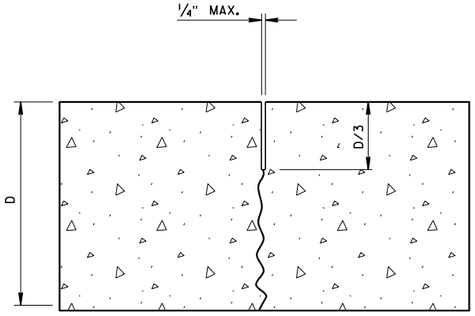
S.D.D. 13 C 18-6b

CONCRETE PAVEMENT
STEEL REINFORCEMENT

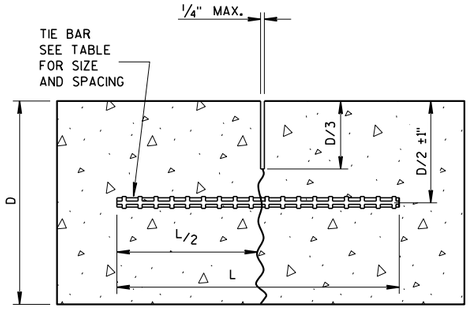
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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S.D.D. 13 C 18-6b



UNDOWELED-TRANSVERSE



TIED LONGITUDINAL

TIE BAR TABLE

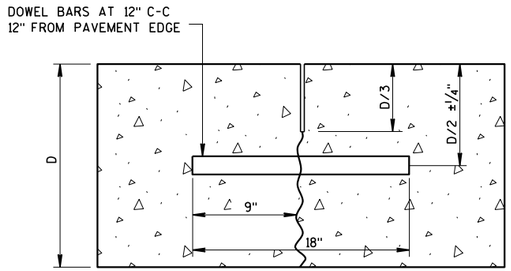
PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 1/2"	NO. 4	30"	36"
≥ 10 1/2"	NO. 5	36"	36"
	NO. 4 *	30"	24" **

* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

** CONFORM TO 15" MINUMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.

GENERAL NOTES

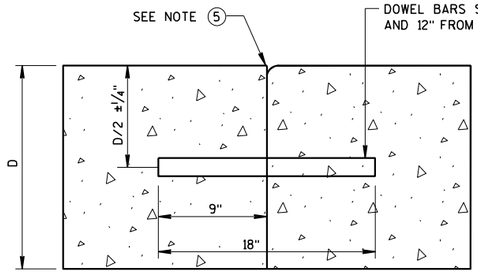
1. USE DOWELED EXPANSION JOINTS ON SIDE ROADS AT INTERSECTIONS (TO ISOLATE THE SIDE ROAD FROM THE THROUGH STREET) IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH.
2. SPACE CONTRACTION JOINTS IN ACCORDANCE WITH 13C4, 13C11 OR 13C13.
3. LOCATE CONSTRUCTION JOINTS A MINIMUM OF 6 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO CONTRACTION JOINTS.
4. CONSTRUCTION JOINTS CAN BE FORMED OR SAWED.
5. IF JOINT IS FORMED, PROVIDE A 1/4-INCH RADIUS.
6. ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.



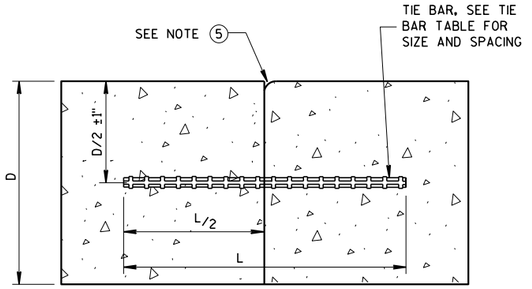
DOWELED-TRANSVERSE

CONTRACTION JOINTS

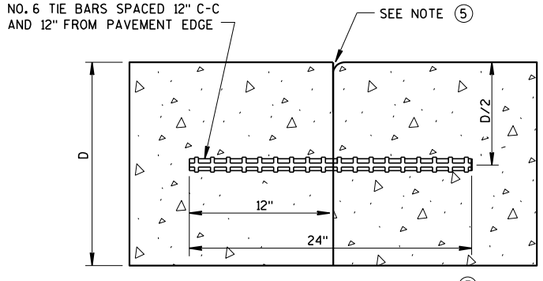
SEE NOTE (2)



DOWELED TRANSVERSE (3)

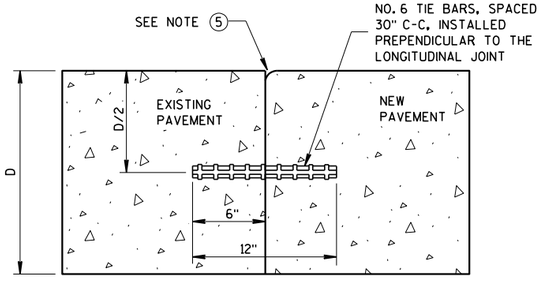


TIED LONGITUDINAL



TIED TRANSVERSE (3)

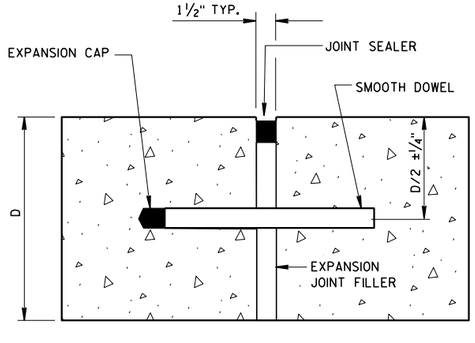
(FOR USE ON NON-DOWELED PAVEMENTS ONLY)



TIED LONGITUDINAL TO EXISTING

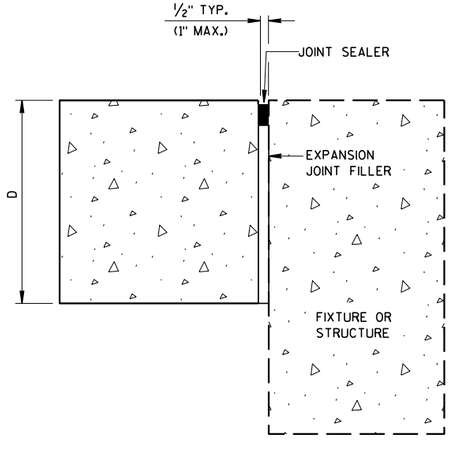
CONSTRUCTION JOINTS

SEE NOTE (4)



DOWELED-TRANSVERSE

SEE NOTE (1)



UNTIED-LONGITUDINAL

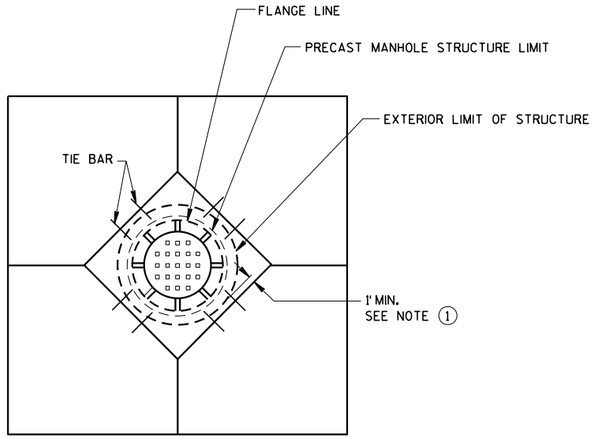
EXPANSION JOINTS

CONCRETE PAVEMENT
JOINT TYPES

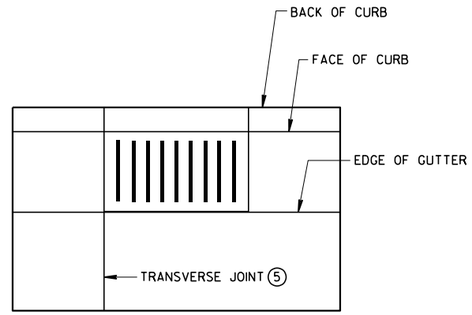
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

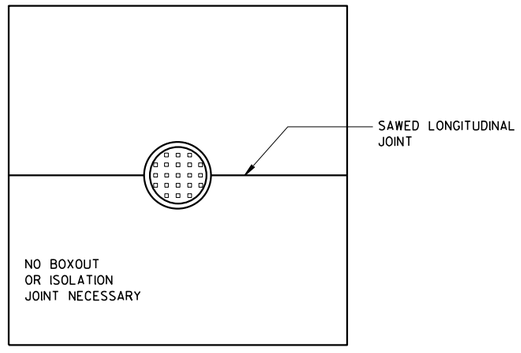
S.D.D. 13 C 18-6c



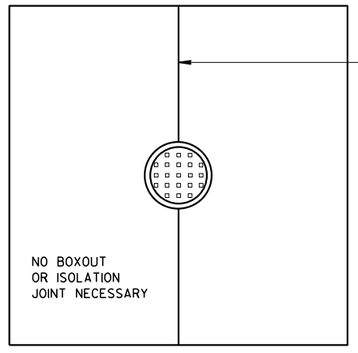
DIAGONAL MANHOLE BOXOUT FOR CONSTRUCTION JOINTS



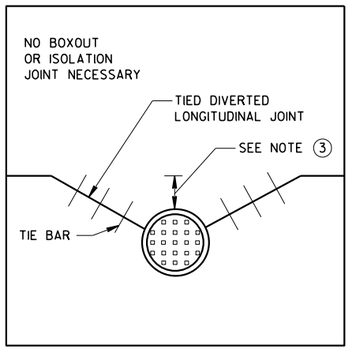
INLET WITH TRANSVERSE JOINT



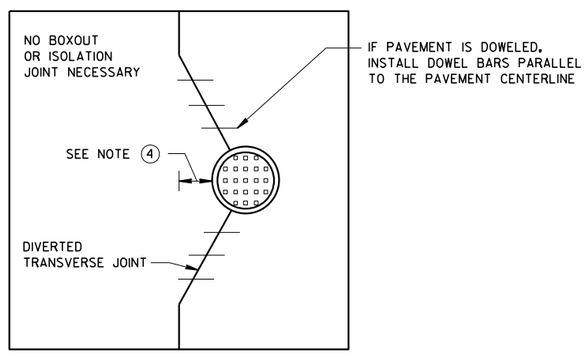
MANHOLE WITH LONGITUDINAL JOINT



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.

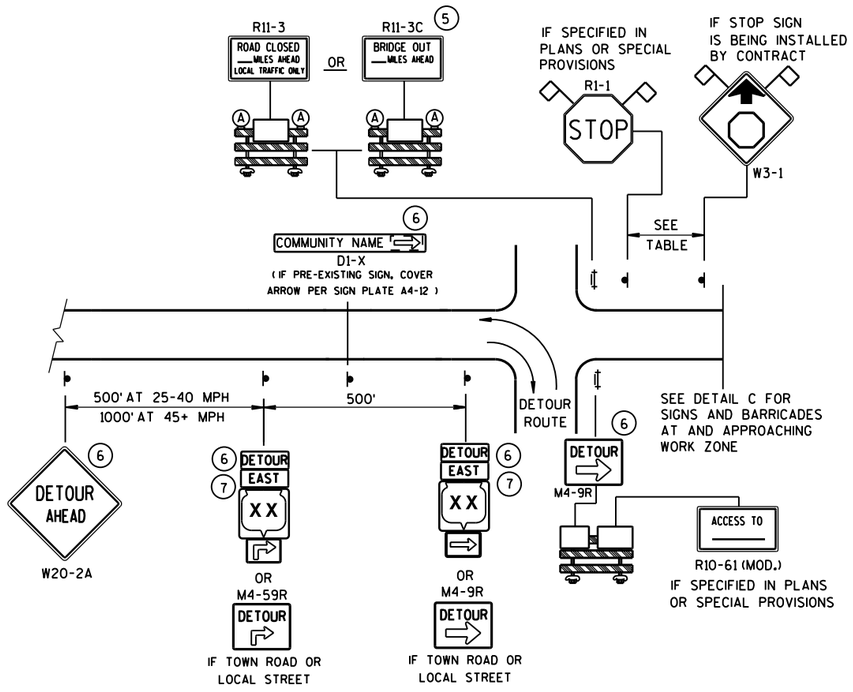
CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018 — DATE
/S/ Peter Kamp P.E. — PAVEMENT SUPT
FHWA

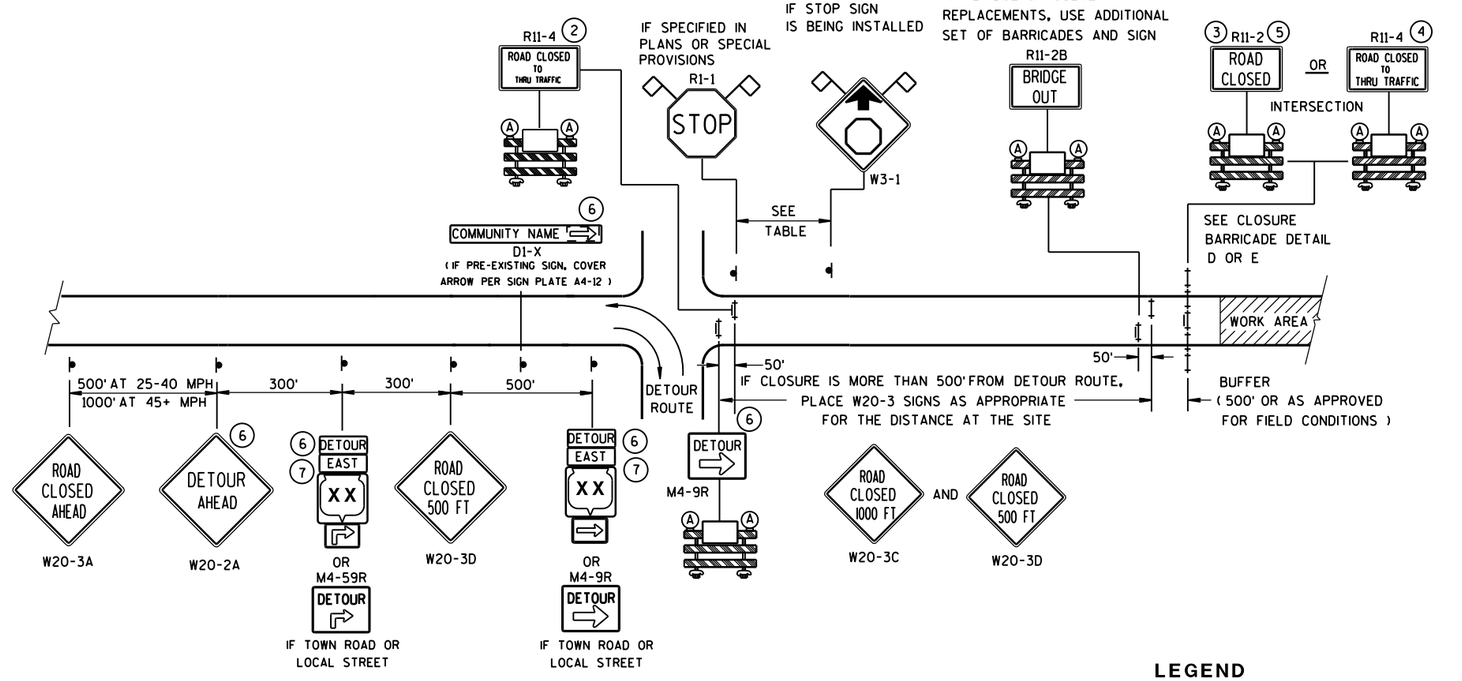
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S.D.D. 13 C 18-6d



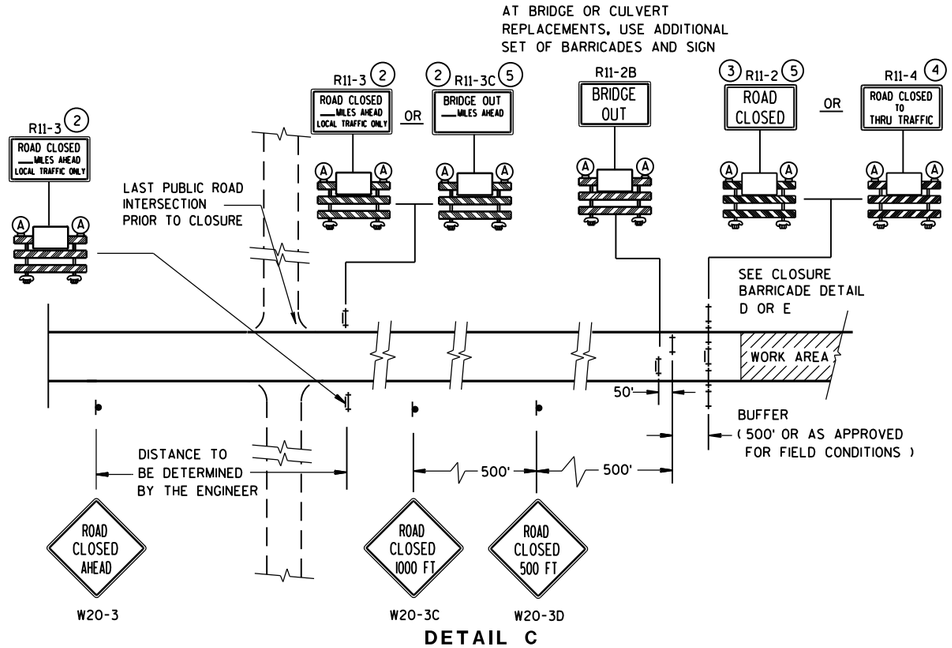
DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

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

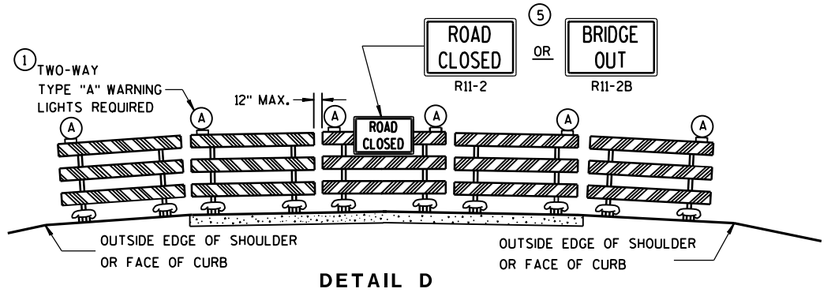
Sept. 2015 — DATE
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER
FHWA

6

S.D.D. 15 C 2-6a

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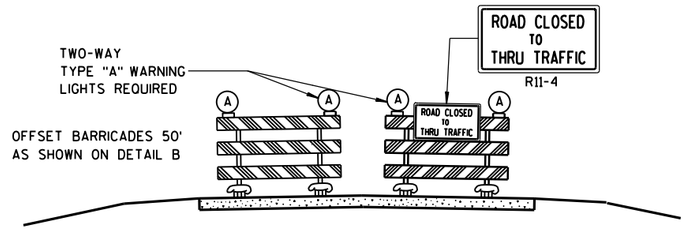
S.D.D. 15 C 2-6a



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

Sept. 2015 — DATE

/S/ Peter Amakobe Atepe
STATEWIDE WORK ZO SAFETY ENGI — FIC

FHWA

6

S.D.D. 15 C 2-6b

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.

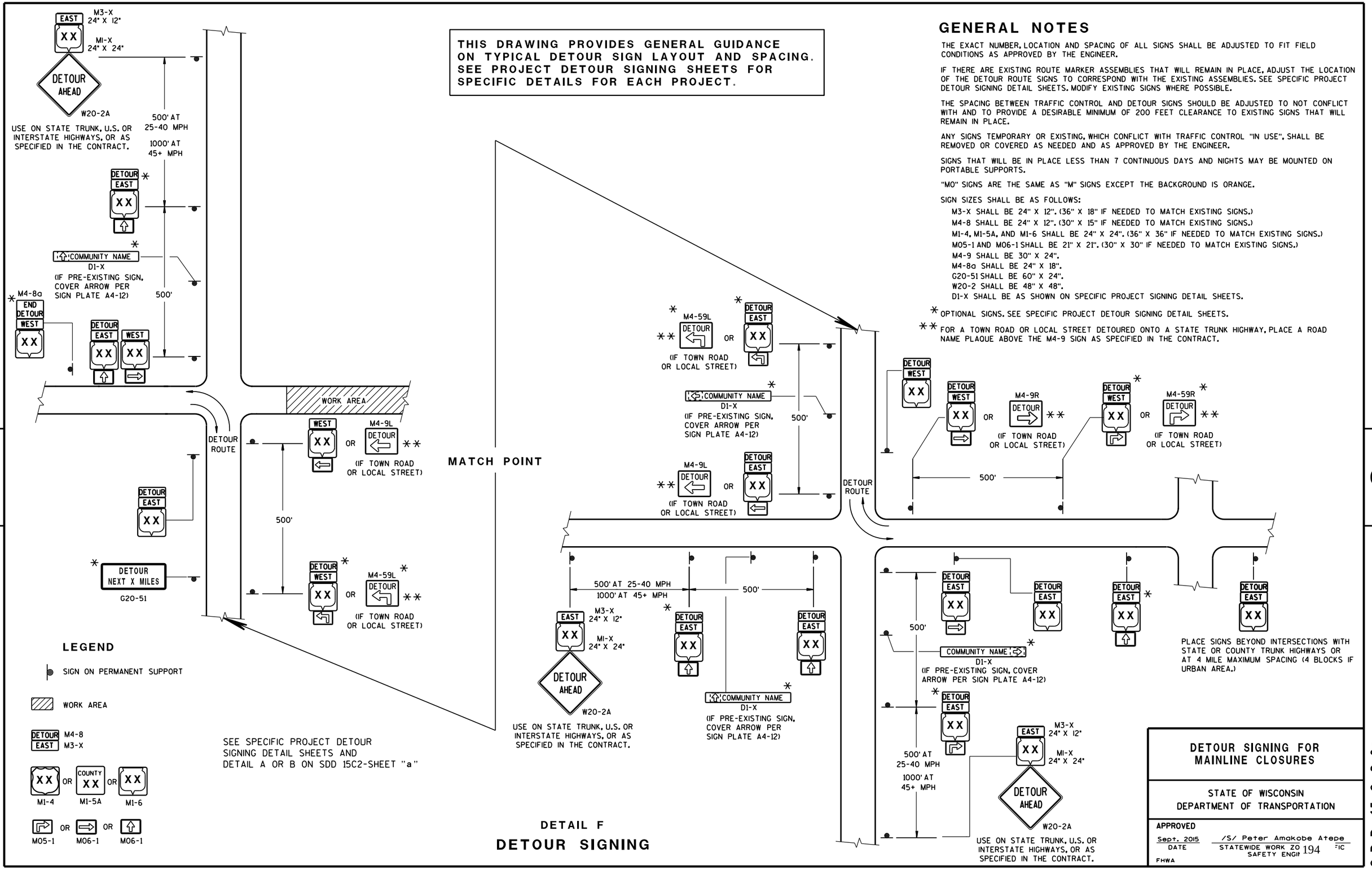
"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

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.



DETAIL F

DETOUR SIGNING

DETOUR SIGNING FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

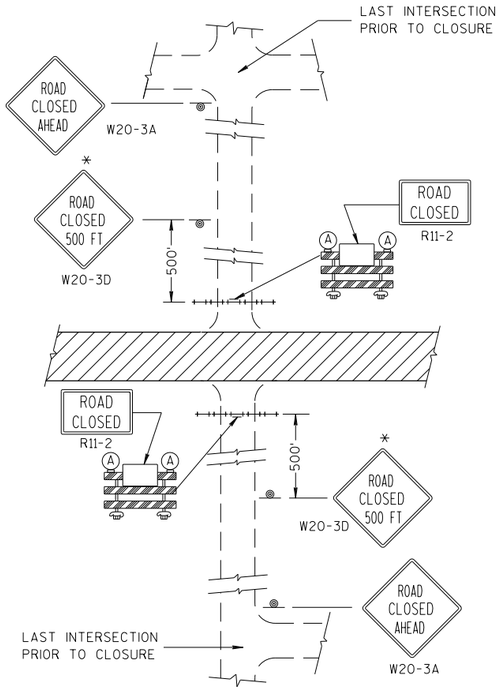
Sept. 2015 — DATE

/S/ Peter Amakobe Atepe — STATEWIDE WORK ZO... SAFETY ENGI... FIC

FHWA

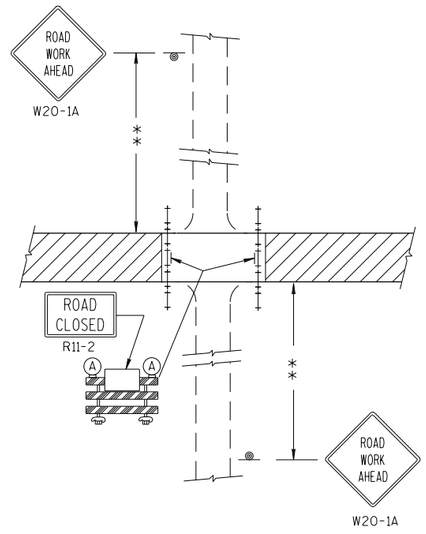
S.D.D. 15 C 2-6c

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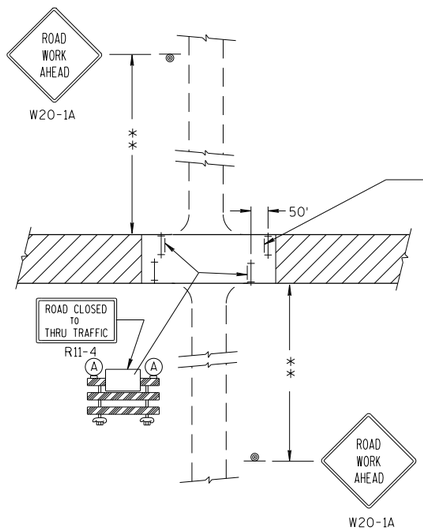
DETAIL 1

(NO ACCESS TO PROJECT)



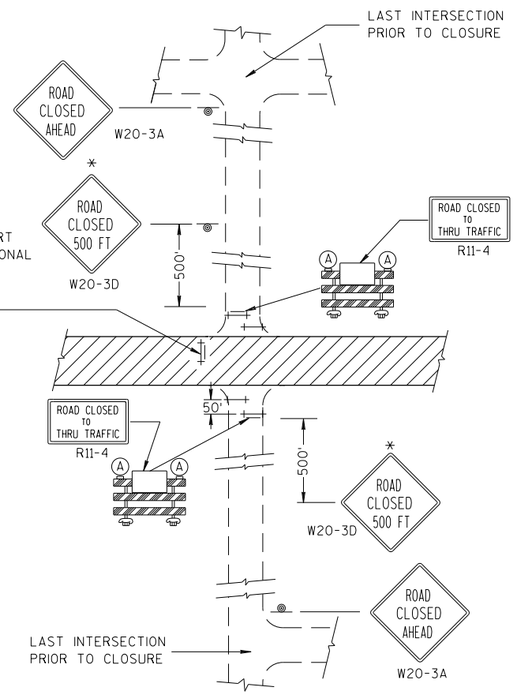
DETAIL 2

(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

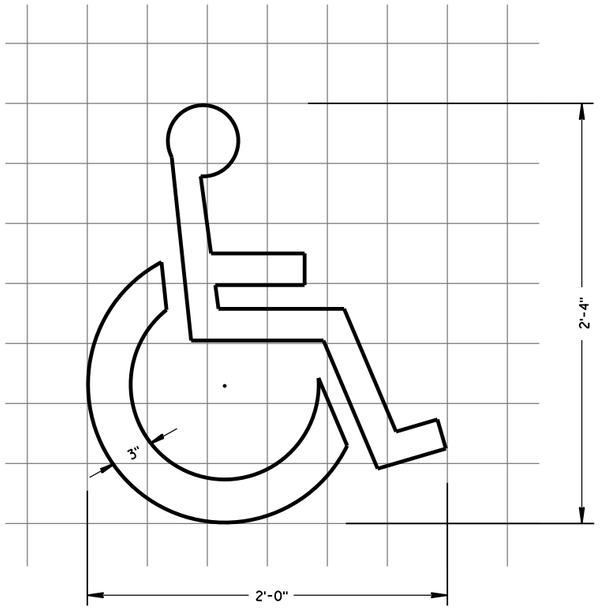
APPROVED
7/2018 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGI
FHWA

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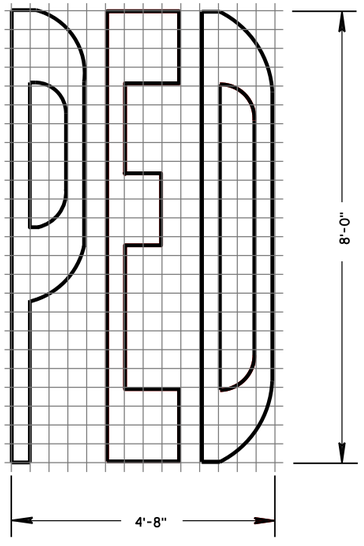
S.D.D. 15 C 3-5

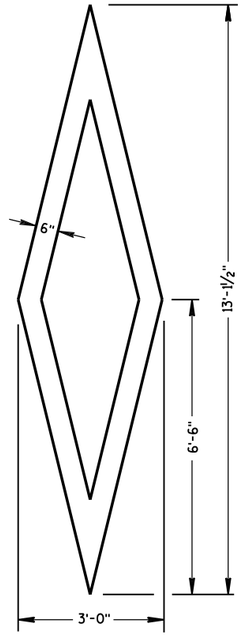
GENERAL NOTES

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.



HANDICAP SYMBOL





PREFERENTIAL LANE SYMBOL

6

6

S.D.D. 15 C 7-14a

S.D.D. 15 C 7-14a

PAVEMENT MARKING SYMBOLS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

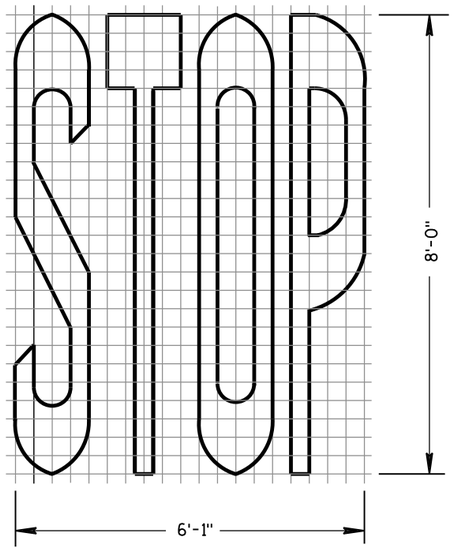
June 2017 — DATE

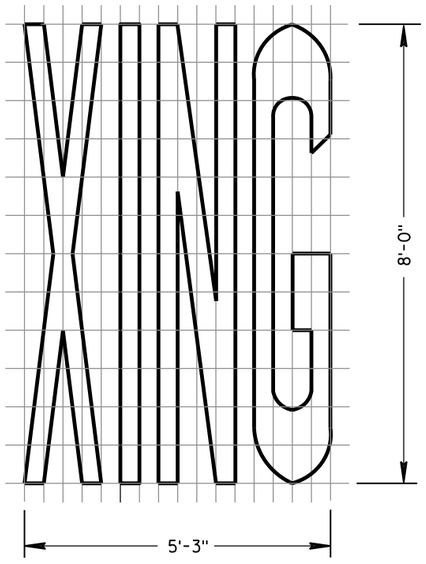
/S/ Matthew R. Rauch — STATE SIGNING AND MARK EER

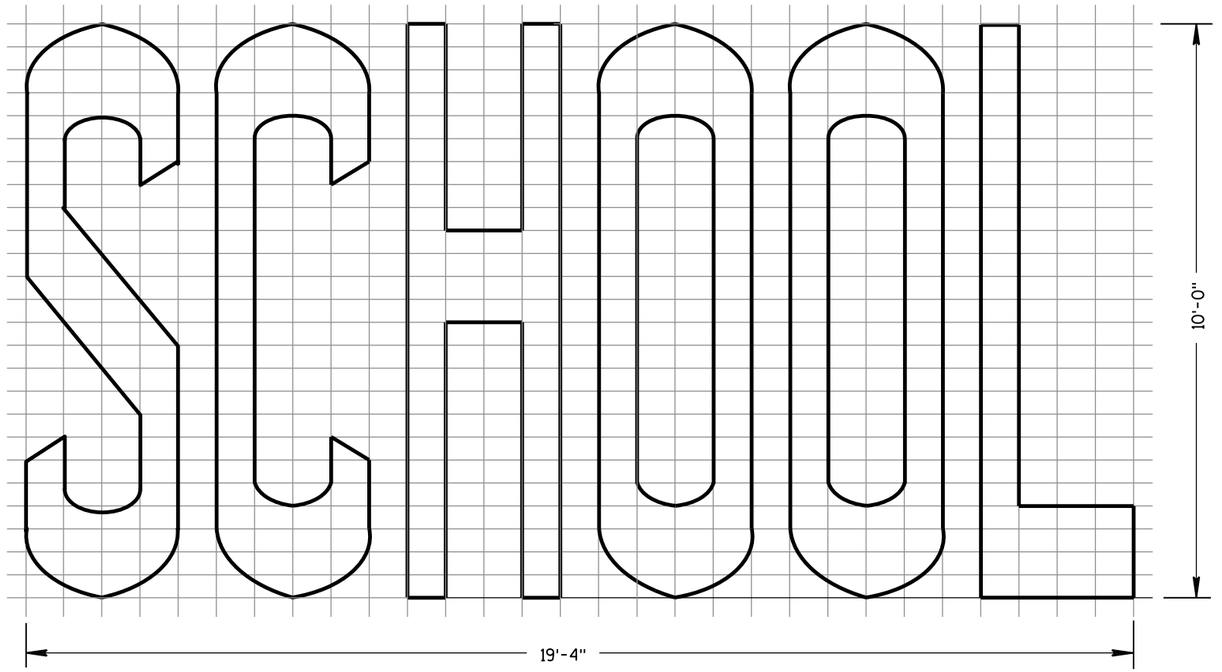
FHWA

GENERAL NOTES

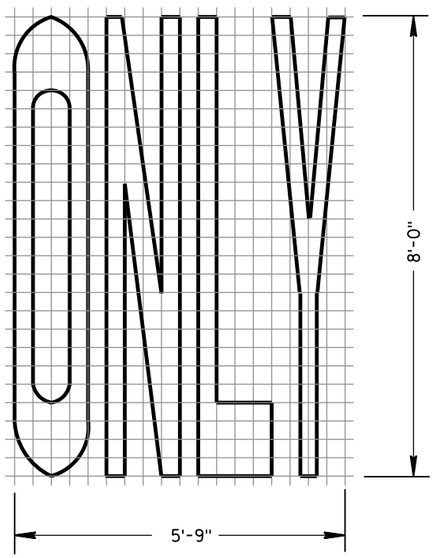
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

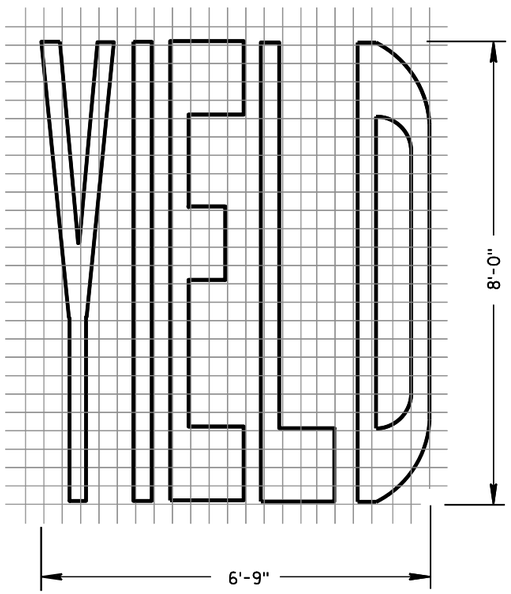


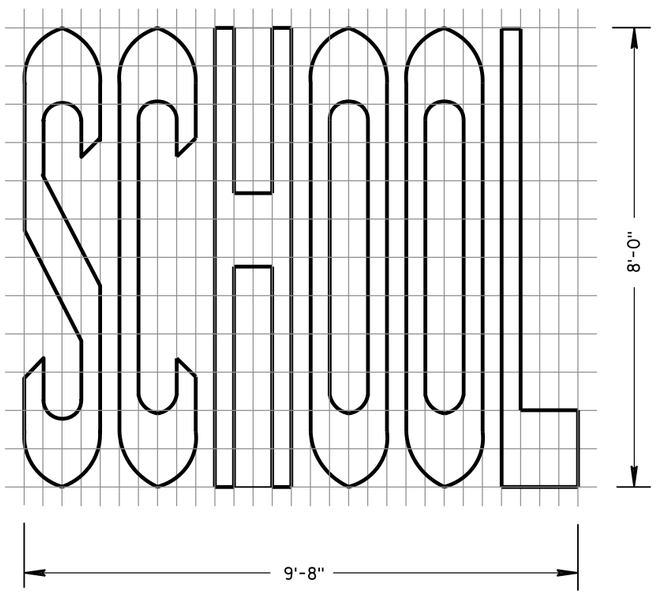




TWO-LANE







SINGLE-LANE

PAVEMENT MARKING WORDS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

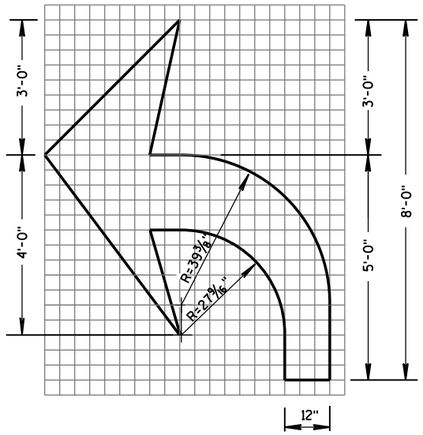
APPROVED
June 2017 — DATE
/S/ Matthew R. Rauch — STATE SIGNING AND MARK
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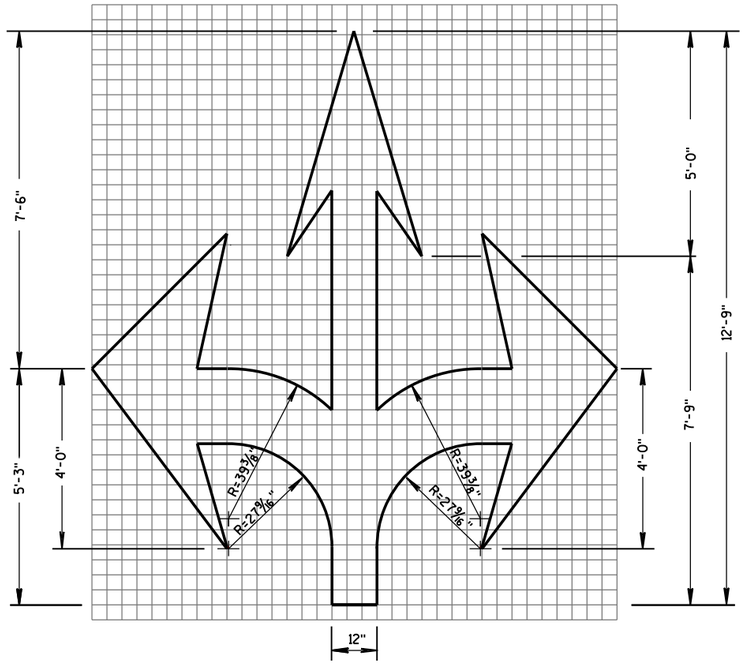
S.D.D. 15 C 7-14b

GENERAL NOTES

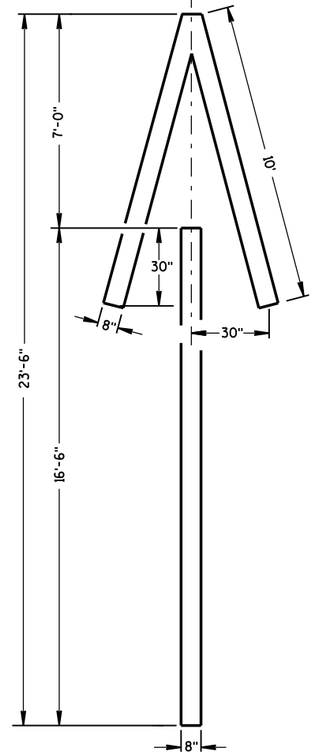
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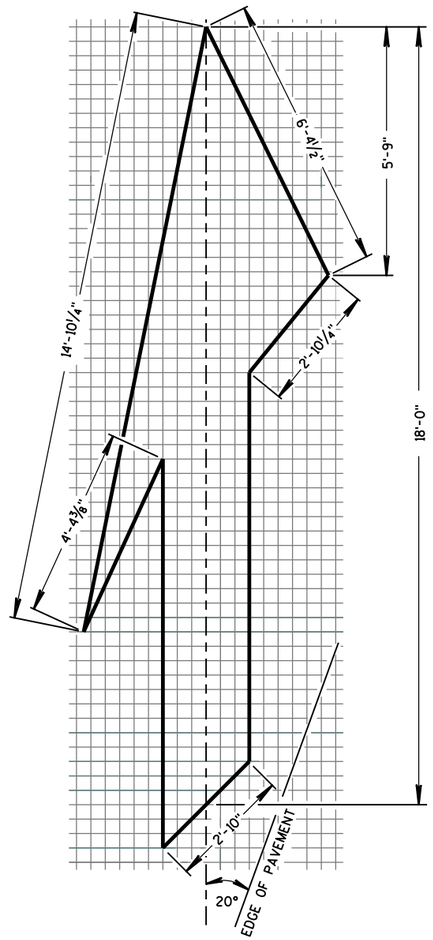
TYPE 2



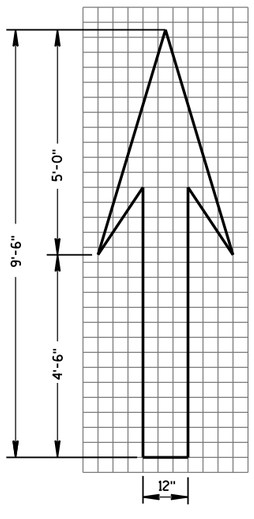
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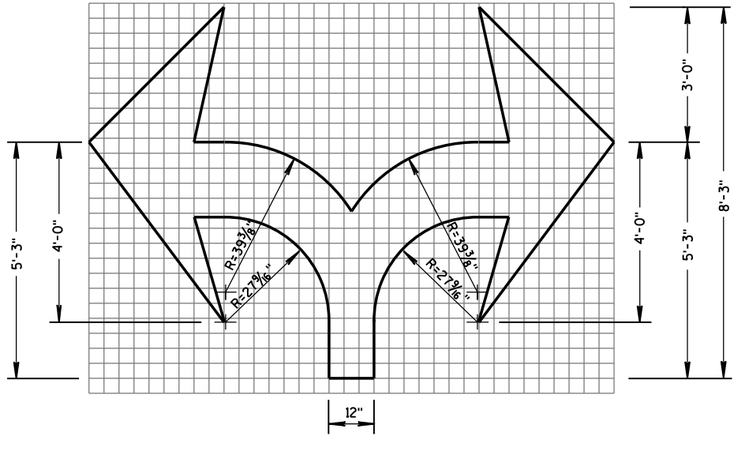
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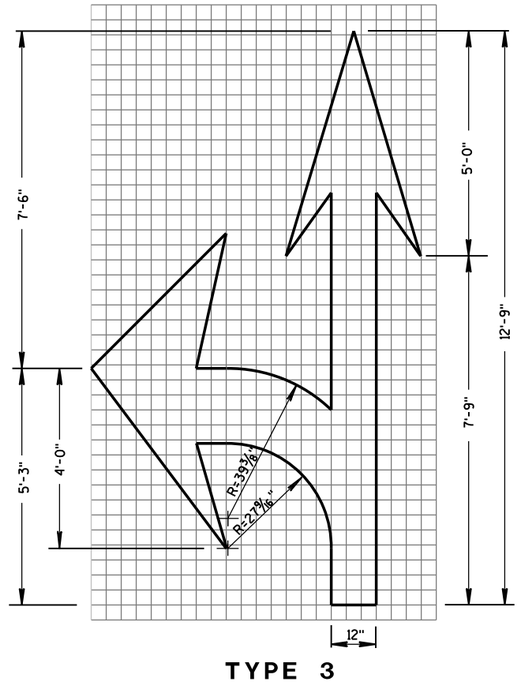
TYPE 5 LANE DROP ARROW



TYPE 1



TYPE 7



TYPE 3

PAVEMENT MARKING ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

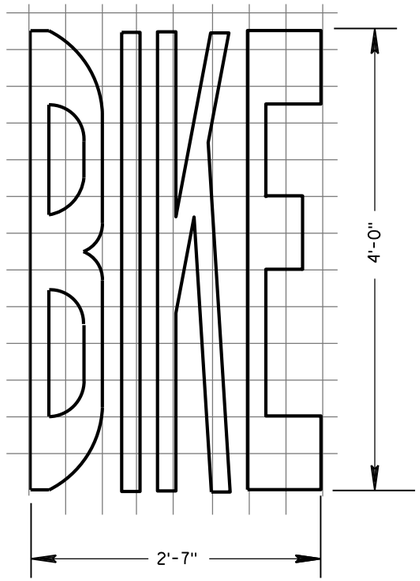
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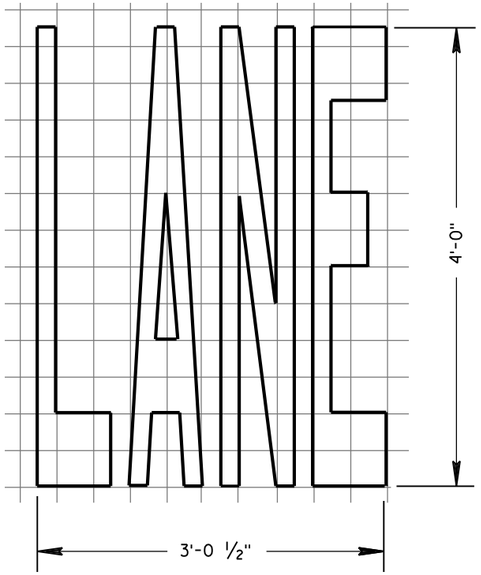
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S.D.D. 15 C 7-14c

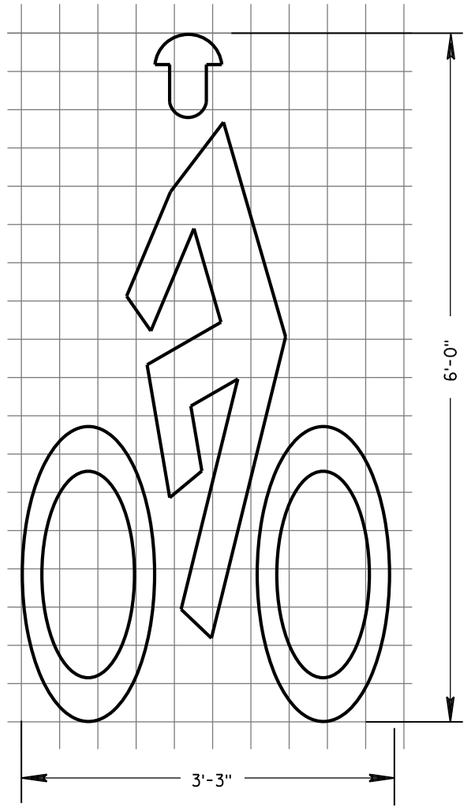
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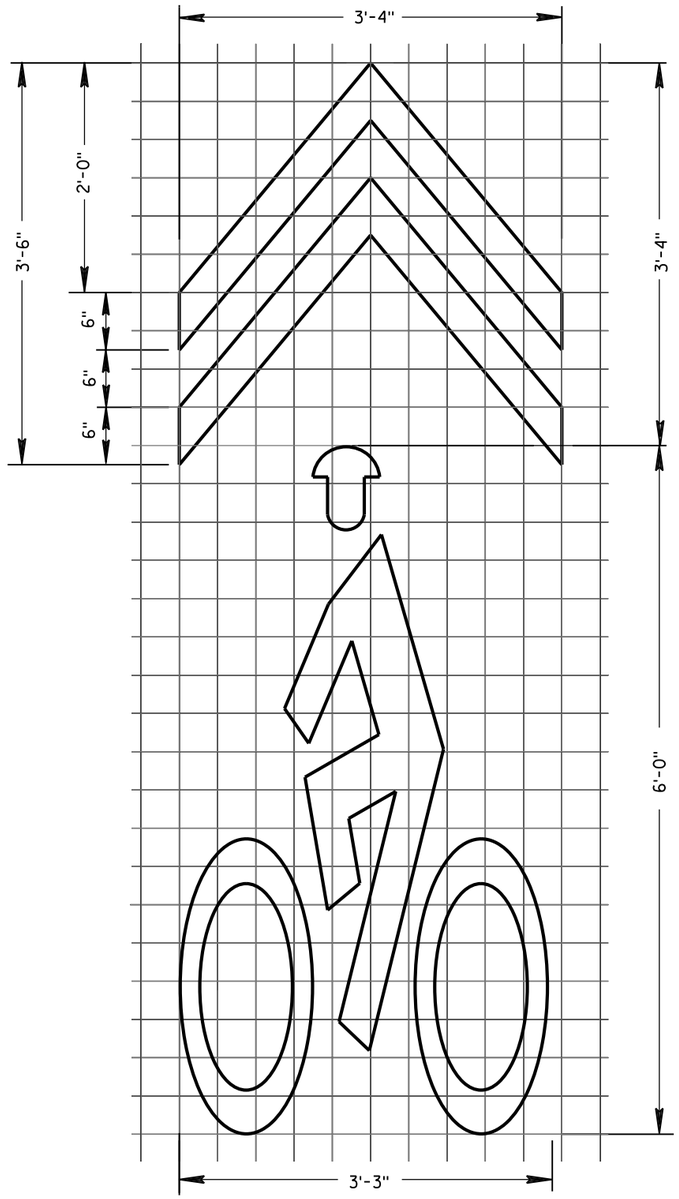




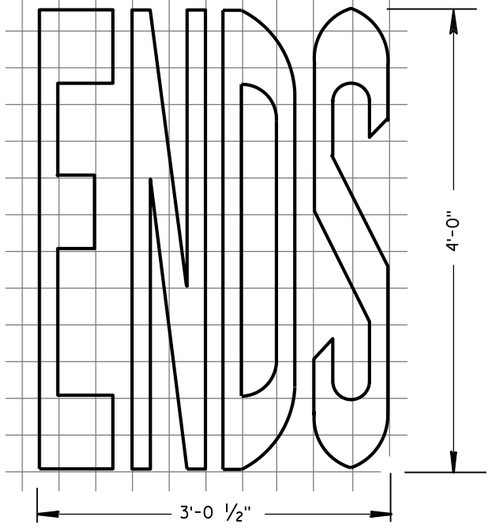
BIKE LANE WORDS



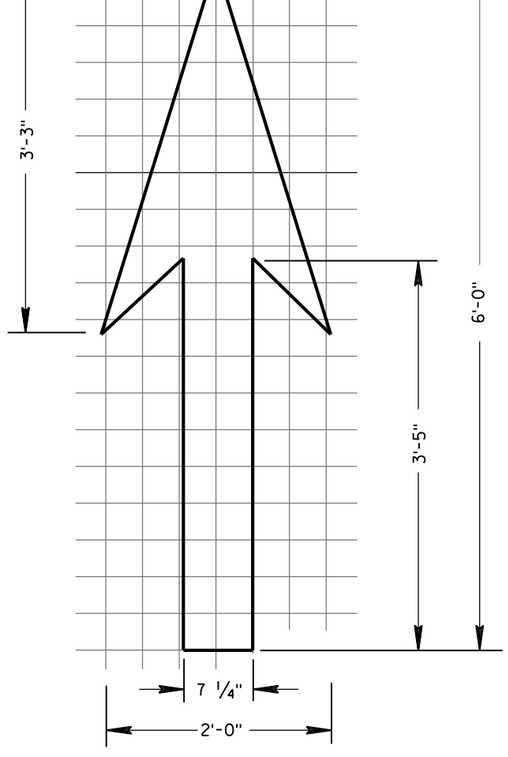
BIKE LANE SYMBOL



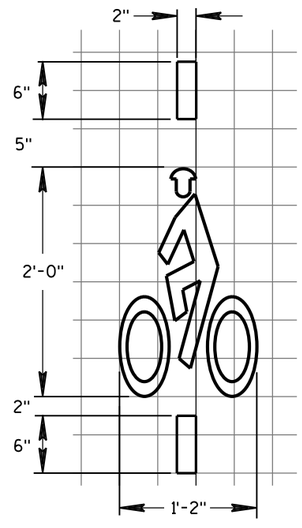
BIKE SYMBOL FOR SHARED LANE



BIKE LANE WORDS



BIKE LANE ARROW



BICYCLE DETECTOR PAVEMENT MARKING

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.

PAVEMENT MARKING FOR BIKE LANES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

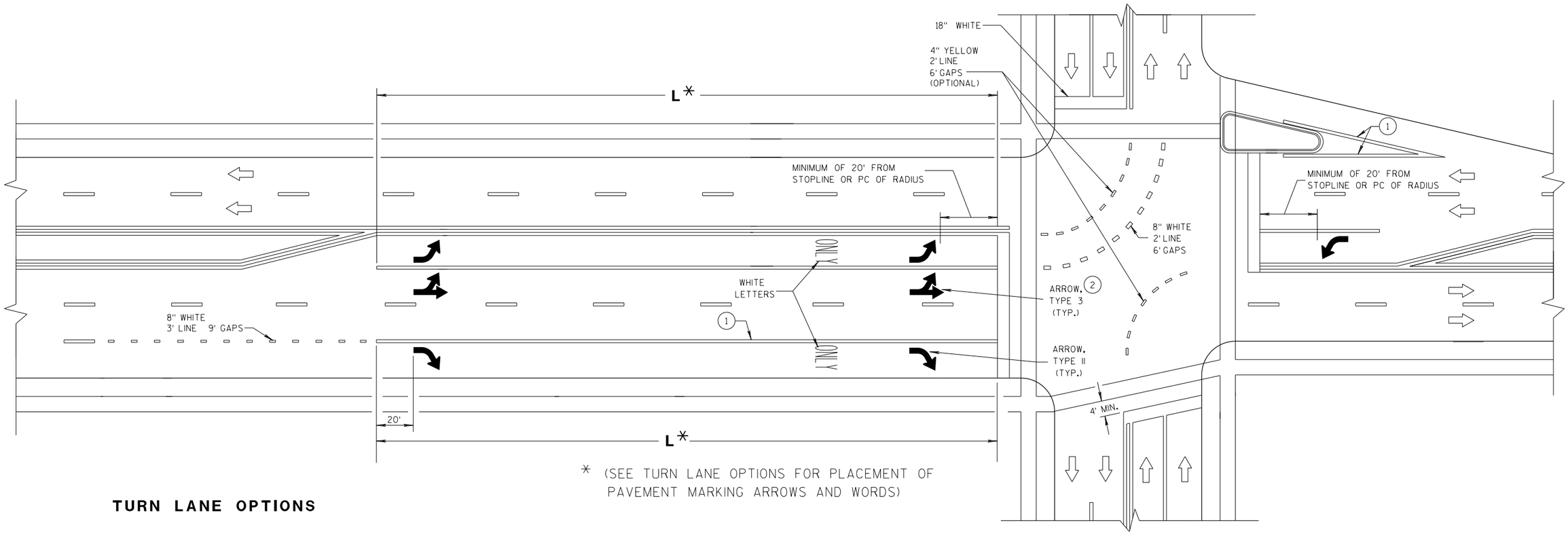
APPROVED
June 2017 — DATE
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S.D.D. 15 C 7-14e

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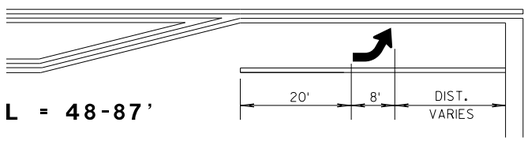
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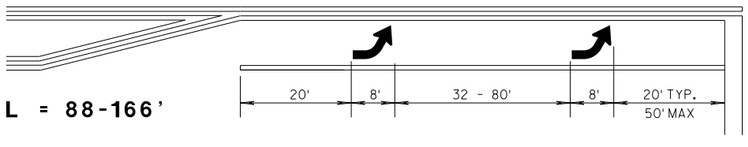
* (SEE TURN LANE OPTIONS FOR PLACEMENT OF PAVEMENT MARKING ARROWS AND WORDS)

TURN LANE OPTIONS

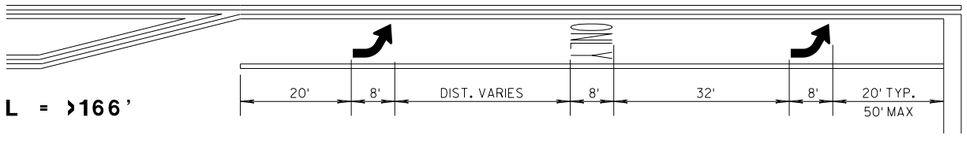
LENGTH OF TURN BAY (**L**) OF 0-47' DOES NOT REQUIRE PAVEMENT MARKING ARROWS OR WORDS



L = 48-87'



L = 88-166'



L = >166'

GENERAL NOTES

(1) 8" WHITE

(2) QUANTITY AND LOCATION OF TYPE 3 ARROW ARE THE SAME AS THE TYPE II ARROWS IN THE ADJACENT TURN LANE. FOR TURN LANES WITH A PHYSICAL SEPARATION, THE ARROWS AND ONLY MARKING ARE ELIMINATED.

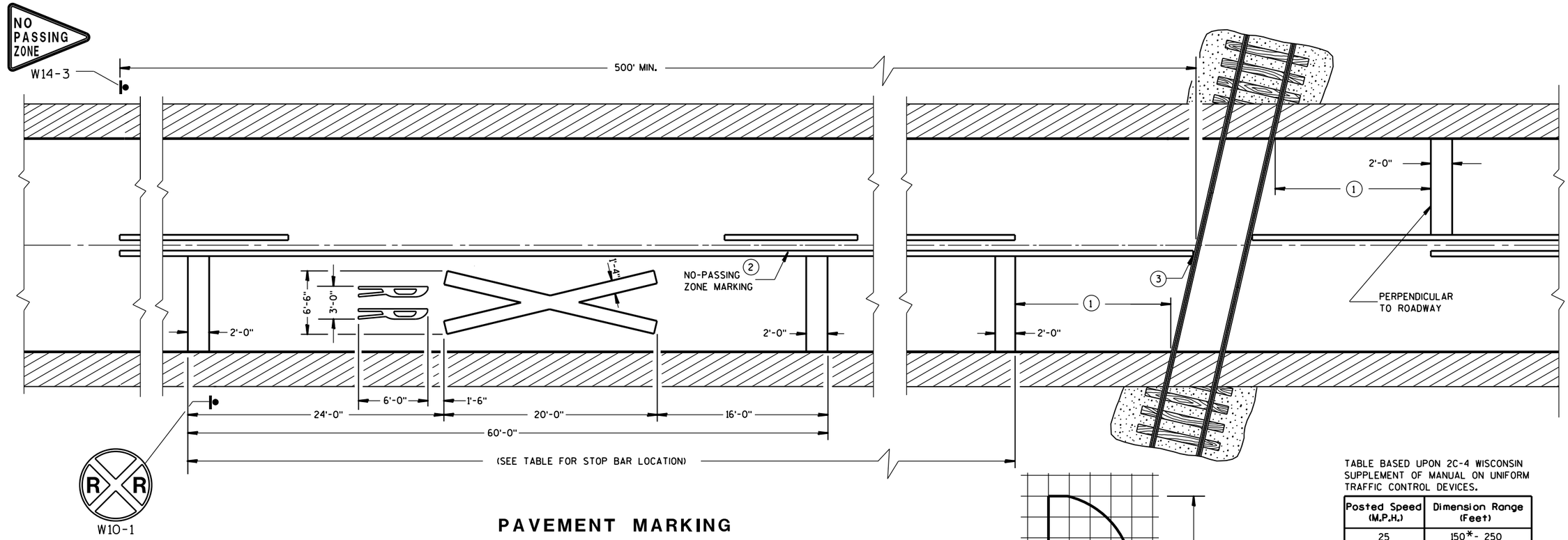
⇨ DIRECTION OF TRAFFIC

L = LENGTH OF TURN BAY

PAVEMENT MARKING (TURN LANES)

6

S.D.D. 15 C 8-19c



PAVEMENT MARKING

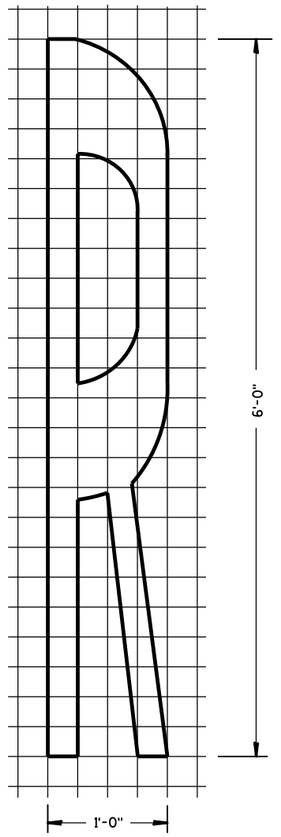


TABLE BASED UPON 2C-4 WISCONSIN SUPPLEMENT OF MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

Posted Speed (M.P.H.)	Dimension Range (Feet)
25	150*- 250
30	200*- 300
35	250*- 450
40	300*- 500
45	400*- 650
50	550*- 800
55	750*- 1000
60	1000*- 1250
65	1000*- 1250

* THE MINIMUM DISTANCES IN THE TABLE ARE DESIRABLE AND SHOULD BE USED. THE DISTANCES MAY BE INCREASED UP TO THE MAXIMUM TO ALLOW FOR FIELD CONDITIONS SUCH AS THE CLOSE PROXIMITY OF DRIVEWAYS, BRIDGES, SIDEROADS OR OTHER FEATURES THAT WOULD PROHIBIT THE MINIMUM DISTANCES FROM BEING USED.

GENERAL NOTES

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

ON MULTI-LANE ROADS THE TRANSVERSE BANDS SHOULD EXTEND ACROSS ALL APPROACH LANES, AND INDIVIDUAL R X R SYMBOLS SHOULD BE USED IN EACH APPROACH LANE.

CENTER OR LANE LINES AND NO-PASSING ZONE MARKINGS SHOWN ON THIS DRAWING ARE REQUIRED AND PAID FOR UNDER OTHER ITEMS IN THE CONTRACT.

RETRACE EXISTING SYMBOL WHERE EXISTING SYMBOLS ARE PLACED.

(1) MINIMUM 8' FROM ANY RAILROAD WARNING DEVICES (SIGNALS, GATES, ETC.) OR 25' FROM THE NEAREST RAIL, WHICHEVER DISTANCE IS GREATER.

(2) 500' MINIMUM. MARKING LIMITS MAY BE EXTENDED AS DIRECTED BY THE ENGINEER TO MEET ADJACENT NO-PASSING ZONE MARKINGS.

(3) FOR MULTIPLE TRACK CROSSINGS, THE BARRIER LINE SHALL EXTEND TO THE NEAR RAIL OF THE FURTHEST TRACK IN THE DIRECTION OF HIGHWAY TRAVEL.

SIGNING AND PAVEMENT MARKING DETAILS FOR RAILROAD-HIGHWAY GRADE CROSSINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

Sept., 2017 — DATE

/S/ Matthew R. Rauch — STATE SIGNING AND MAI[illegible]GINEER

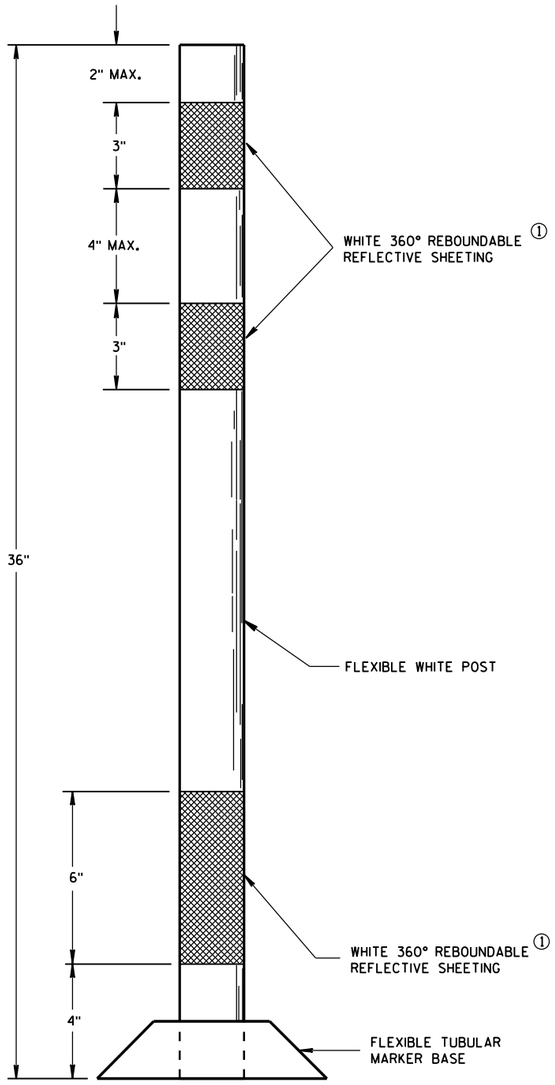
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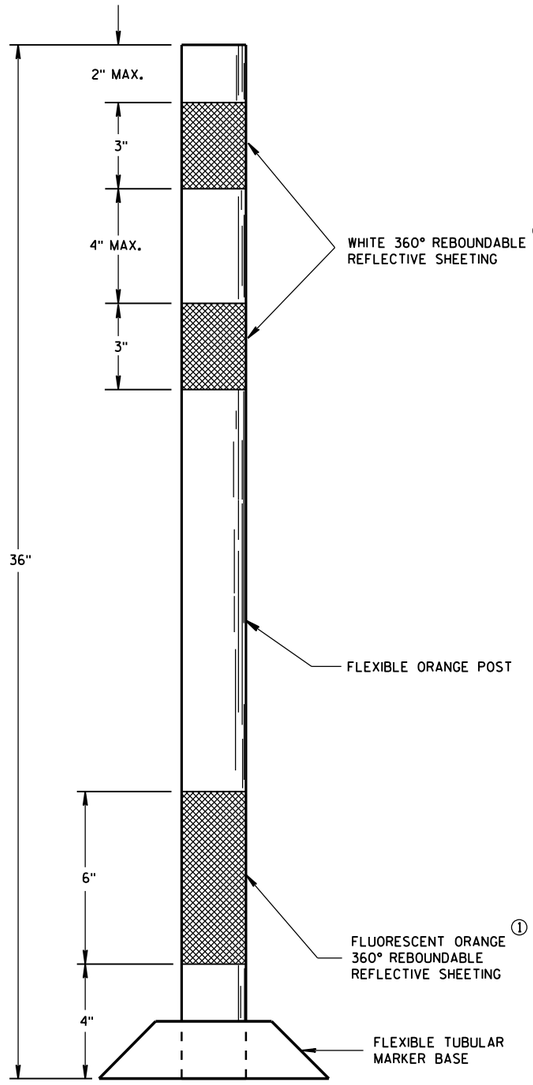
S.D.D. 15 C 9-11a

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S.D.D. 15 C 9-11a



FLEXIBLE
TUBULAR MARKER POST
PERMANENT CROSSOVER



FLEXIBLE
TUBULAR MARKER POST
WORK ZONE

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.

THE ASPHALTIC ADHESIVE OR BUTYL PAD FURNISHED SHALL BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS, UNLESS DIRECTED BY THE ENGINEER TO USE BOLTS.

① REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.

CHANNELIZING DEVICES
FLEXIBLE TUBULAR MARKER POST

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

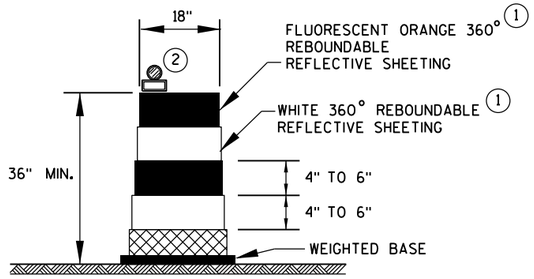
APPROVED
June 2017 — DATE
/S/ Andrew Heldtke — WORK ZONE ENGR
FHWA

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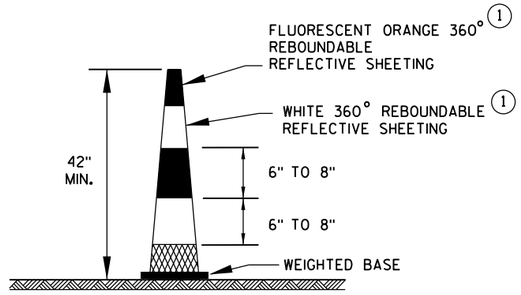
S.D.D. 15 C 11-7a

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S.D.D. 15 C 11-7a



DRUM

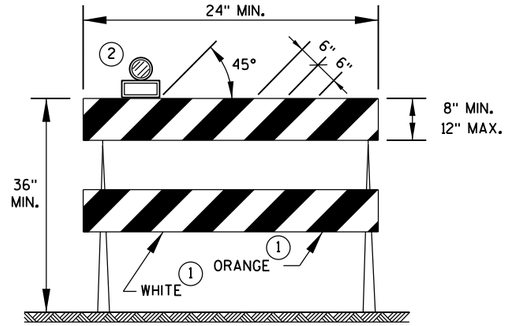


42" CONE

DO NOT USE IN TAPERS
1/2 SPACING OF DRUMS

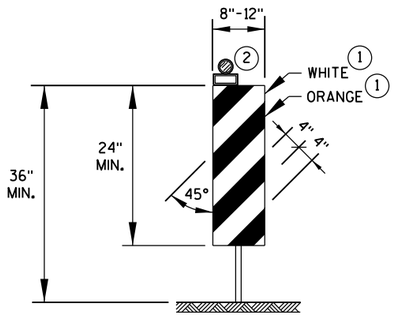
GENERAL NOTES

1. REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.
2. LOCATION OF WARNING LIGHTS WHEN SHOWN ON THE PLAN.



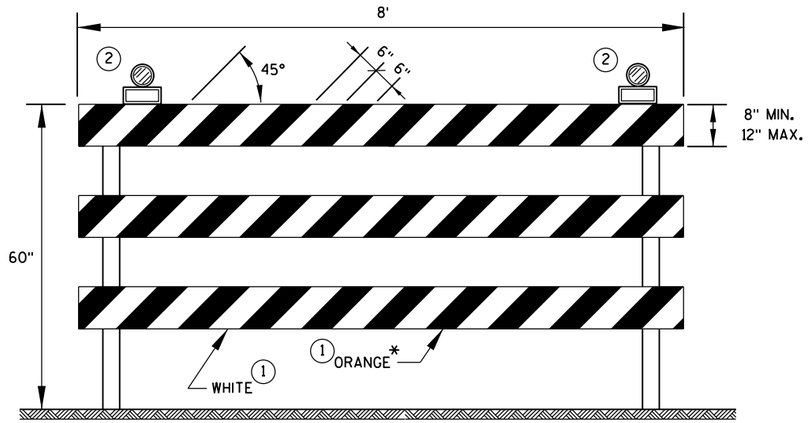
TYPE 2 BARRICADE

FOR RAILS LESS THAN 36" LONG, 4" WIDE STRIPES MAY BE USED. ALL STRIPES SHALL SLOPE DOWNWARD TO THE TRAFFIC SIDE FOR CHANNELIZATION.



VERTICAL PANEL

THE STRIPES SHALL SLOPE DOWNWARD TO THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE 3 BARRICADE

IF SIGN MOUNTED, DO NOT COVER MORE THAN 50% OF THE TOP TWO RAILS OR 33% OF THE TOTAL AREA OF THE THREE RAILS.

* IF USED FOR A PERMANENT APPLICATION, USE RED SHEETING.

CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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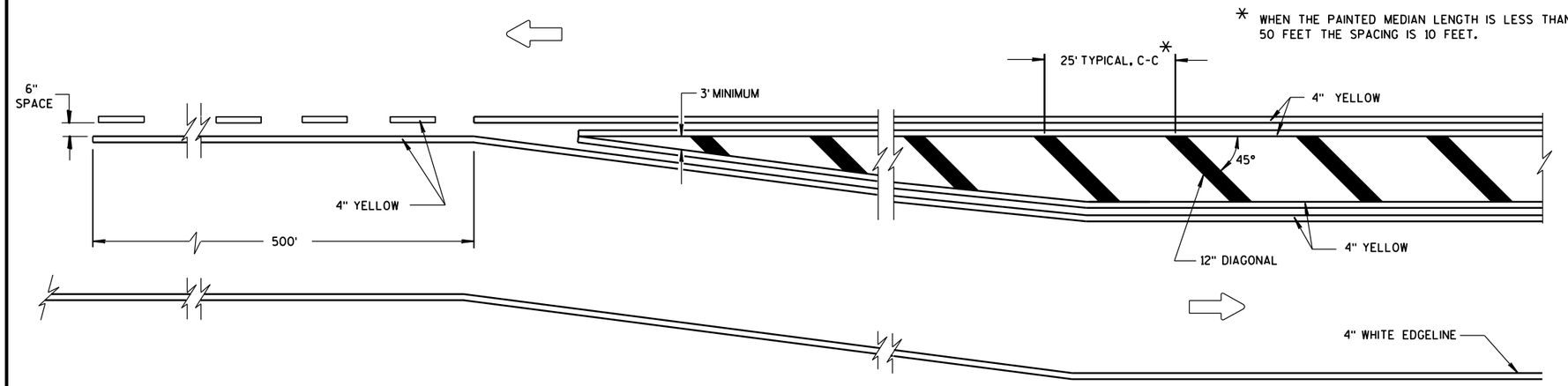
June 2017 — DATE

/S/ Andrew Heidtke — WORK ZONE ENG

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S.D.D. 15 C 11-7b

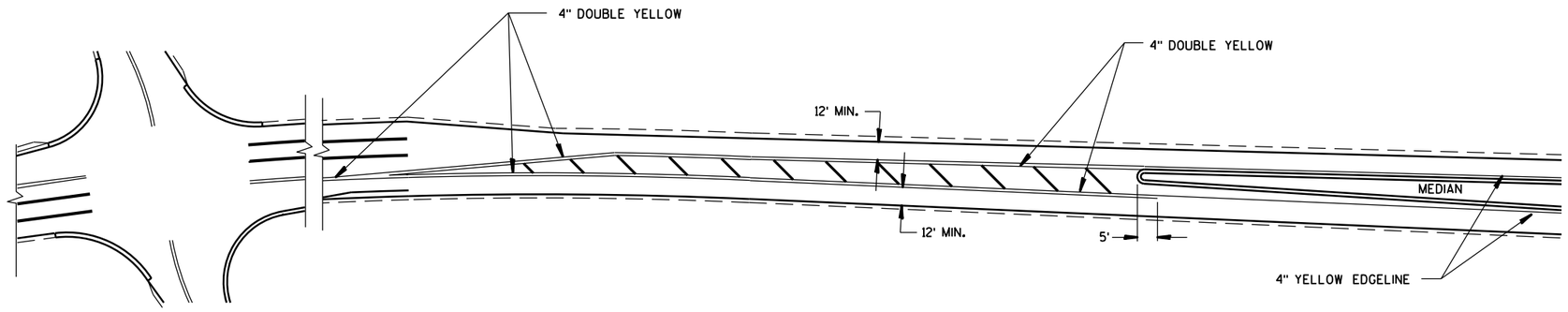


MEDIAN ISLAND DETAIL

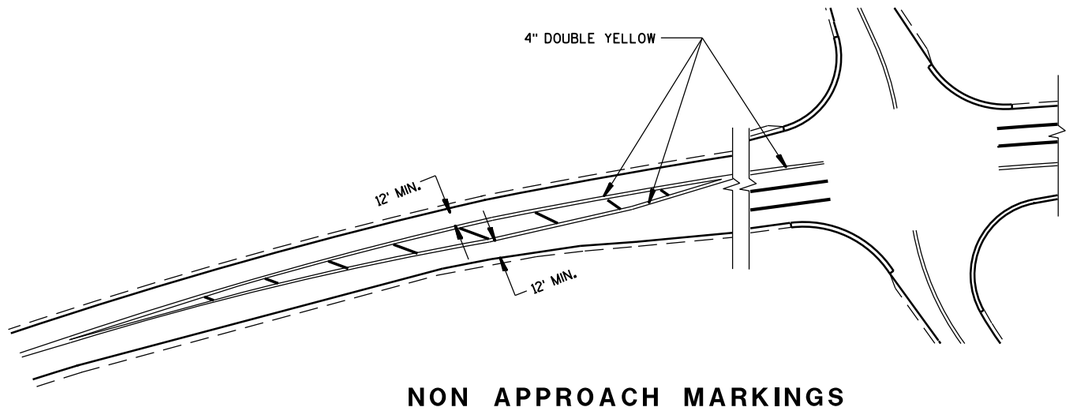
GENERAL NOTE

DIAGONALS ARE OPTIONAL WHEN PAINTED ISLAND IS LESS THAN 6 FEET AT WIDEST POINT.

DIRECTION OF TRAVEL



APPROACH MARKINGS FOR OTHER MEDIAN TYPES



NON APPROACH MARKINGS

MEDIAN ISLAND MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

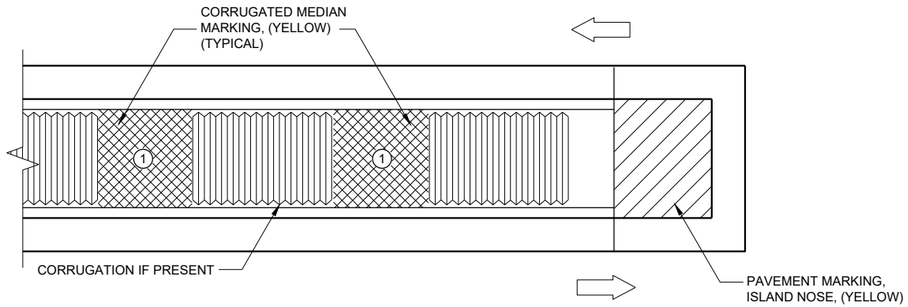
APPROVED
June 2017 — DATE
/S/ Matthew Rauch — STATE SIGNING AND MARK[illegible]EER
FHWA

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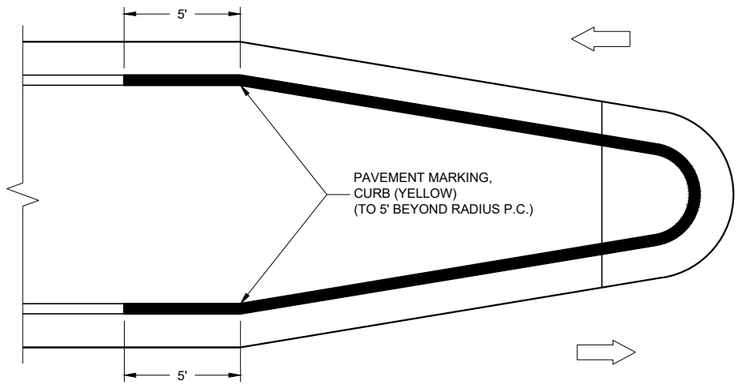
S.D.D. 15 C 18-4

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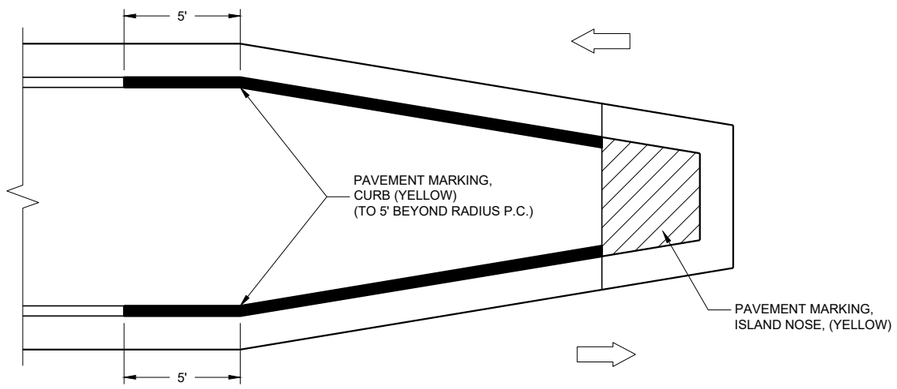
S.D.D. 15 C 18-4



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**

GENERAL NOTES

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 ACCEPTED IN ACCORDANCE WITH THE CONTRACT AND PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT.

ISLAND NOSE MARKING

CURB MARKING

CORRUGATED MEDIAN MARKING

DIRECTION OF TRAVEL

**PAVEMENT MARKINGS
(ISLANDS)**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7/2018
DATE

/S/ Matthew R. Rauch
STATE SIGNING AND MAR
ENGINEER

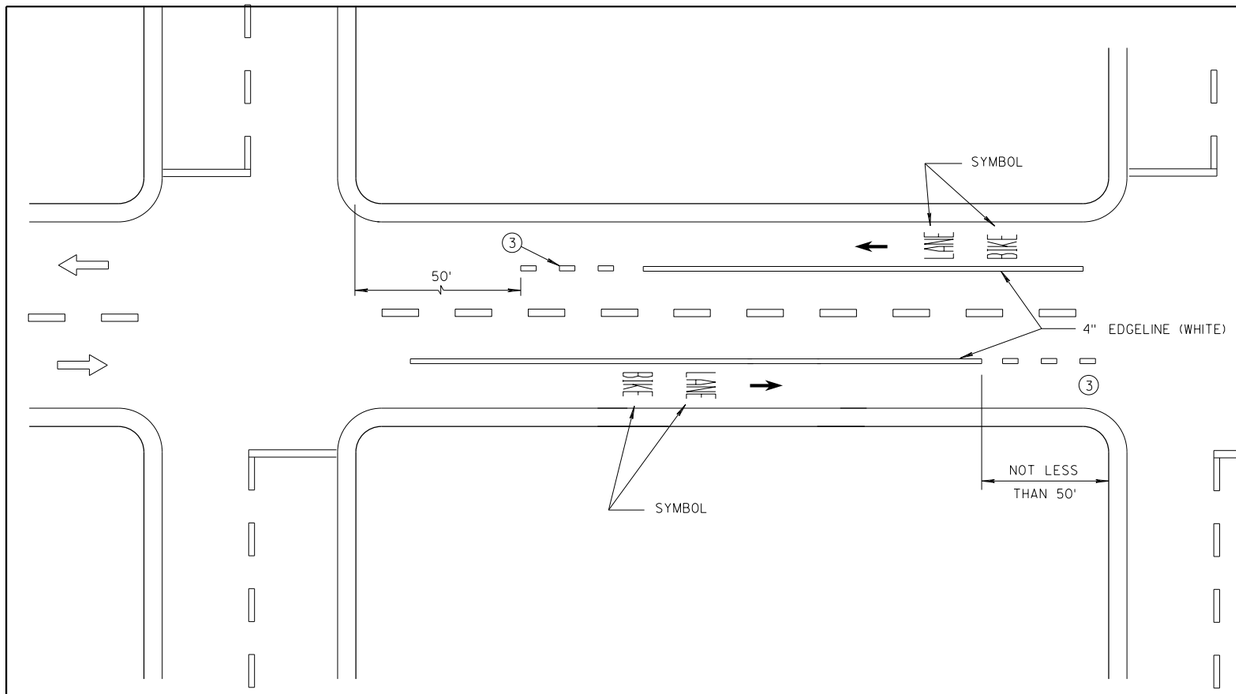
FHWA

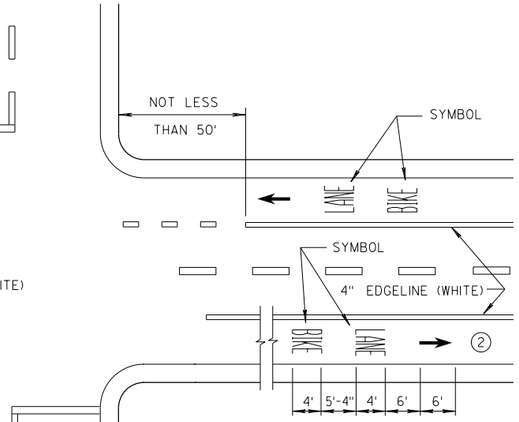
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SDD 15C27 - 03b

SDD15C27 - 03b



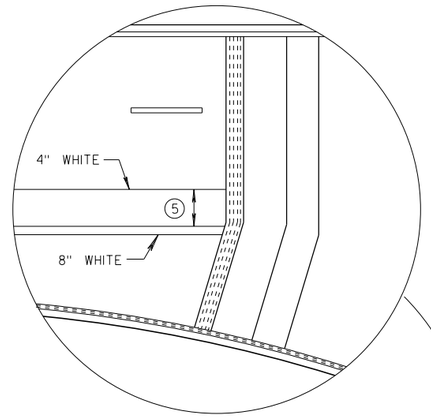


DESIGNATED BICYCLE LANE
NO PARKING

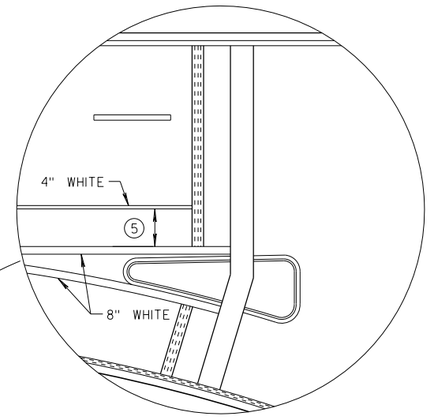
GENERAL NOTES

1. DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.
2. MINIMUM OF ONE PER BLOCK. MAXIMUM OF 250 FEET.
3. DOTTED LINES (3' LINE, 9' GAP) SHOULD BE USED 50 FEET TO 200 FEET IN ADVANCE OF AN INTERSECTION WHERE THERE IS NO RIGHT TURN ONLY LANE AND THERE IS HEAVY RIGHT TURN TRAFFIC OR THERE IS A NEAR-SIDE BUS STOP. AT OTHER INTERSECTIONS WHERE RIGHT TURN TRAFFIC IS LIGHT TO MODERATE, A SOLID LINE CAN BE USED UP TO THE INTERSECTION.
4. IF SIGNED AND/OR MARKED AS A BICYCLE FACILITY INCLUDE SECOND LINE OF LINE-SPACE MARKING, OTHERWISE DO NOT.
5. BIKE ACCOMODATION IS TYPICALLY 5 FEET WIDE AND A MINIMUM OF 4 FEET FROM A LONGITUDINAL JOINT. USE 5 FEET AT 45 MPH.
6. OMIT THESE MARKINGS FOR WIDER TURN LANE APPLICATIONS (MINIMUM OF 15 FEET WIDE TURN LANE).
7. REFER TO CONTRACT PLANS FOR LANE WIDTH.

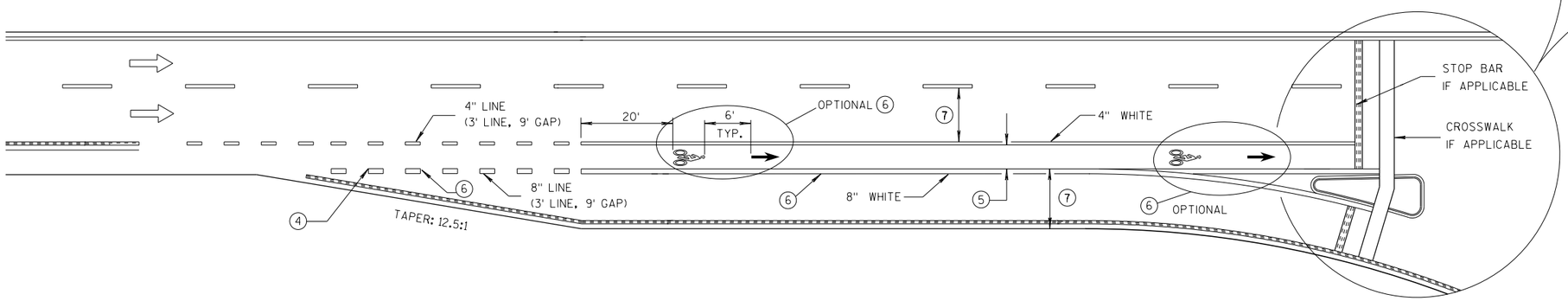
DIRECTION OF TRAVEL



4 LANE DIVIDED WITHOUT ISLAND



4 LANE DIVIDED WITH ISLAND



BIKE LANE - FOR 2-LANE ROADWAYS AND 4-LANE DIVIDED ROADWAYS
(4-LANE DIVIDED WITH RIGHT TURN LANE SHOWN)

BICYCLE LANE MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

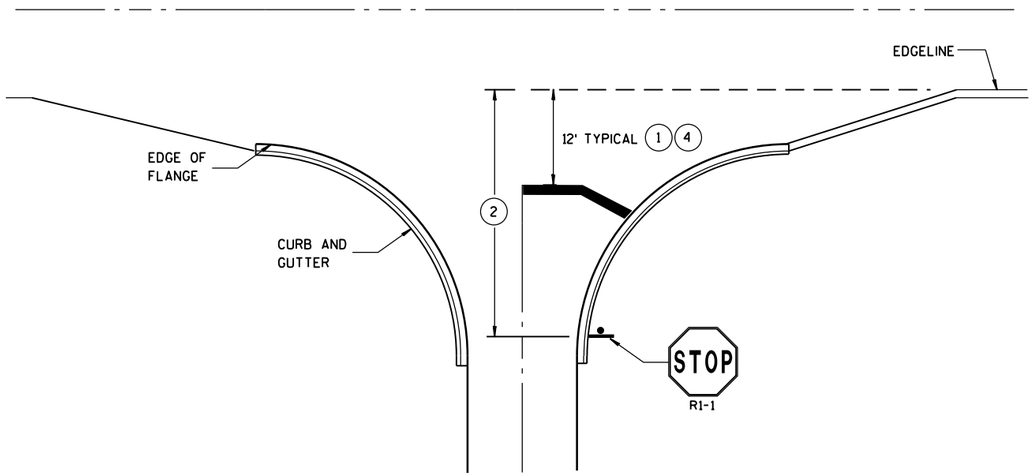
APPROVED
7/2018 DATE
/S/ Matthew R. Rauch
STATE SIGNING AND MAR[illegible]EER
FHWA

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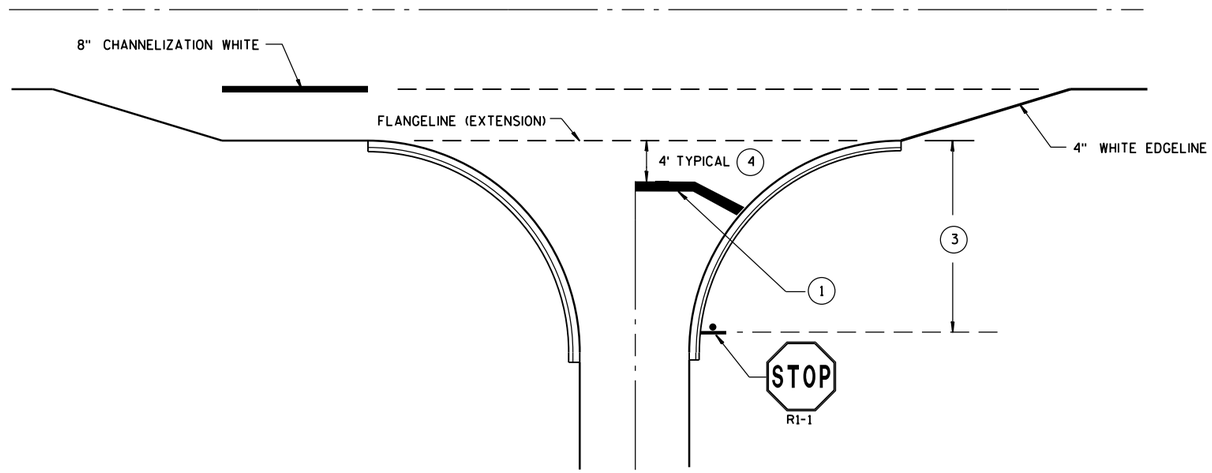
S.D.D. 15 C 29-6a

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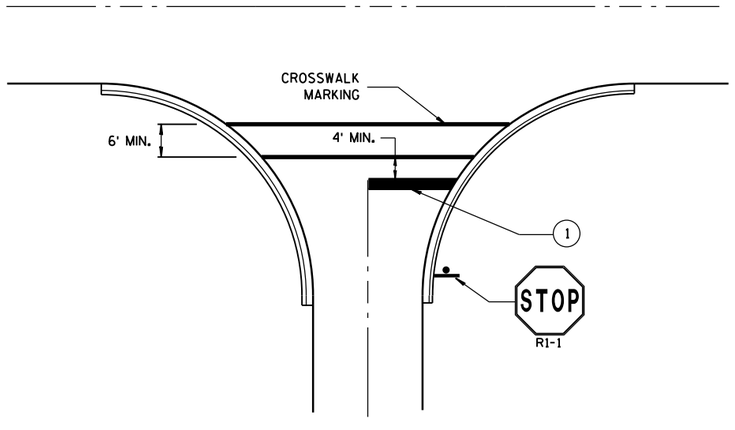
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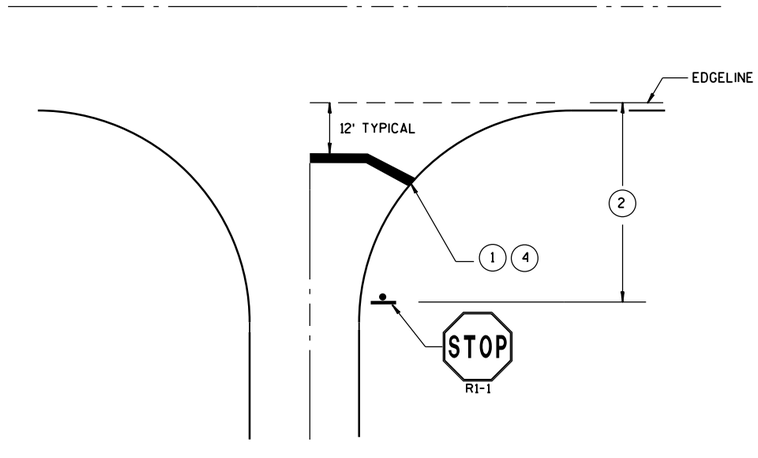
TYPICAL STOP LINE PAVEMENT MARKING WITH CURB AND GUTTER



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

STOP SIGN SHALL BE PLACED A MINIMUM OF 6 FEET TO A MAXIMUM OF 50 FEET FROM THE EDGELINE LOCATION.

(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. (NO CLOSER THAN 4 FEET).

STOP LINE AND CROSSWALK PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

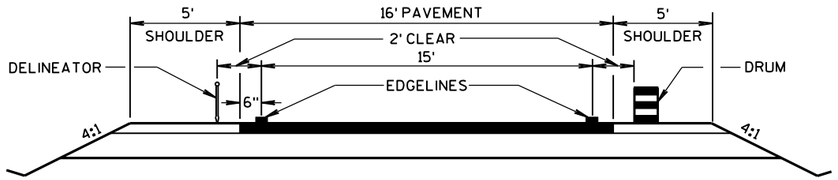
Sept., 2017 — DATE

/S/ Matthew R. Rauch — STATE SIGNING AND MAR 207 NEER

FHWA

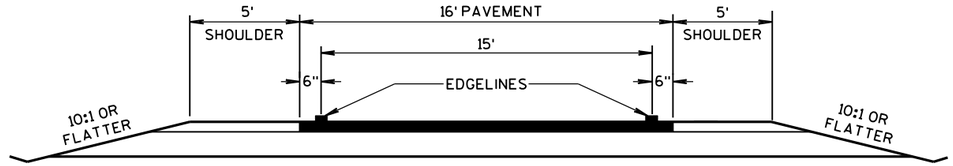
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S.D.D. 15 C 33-3



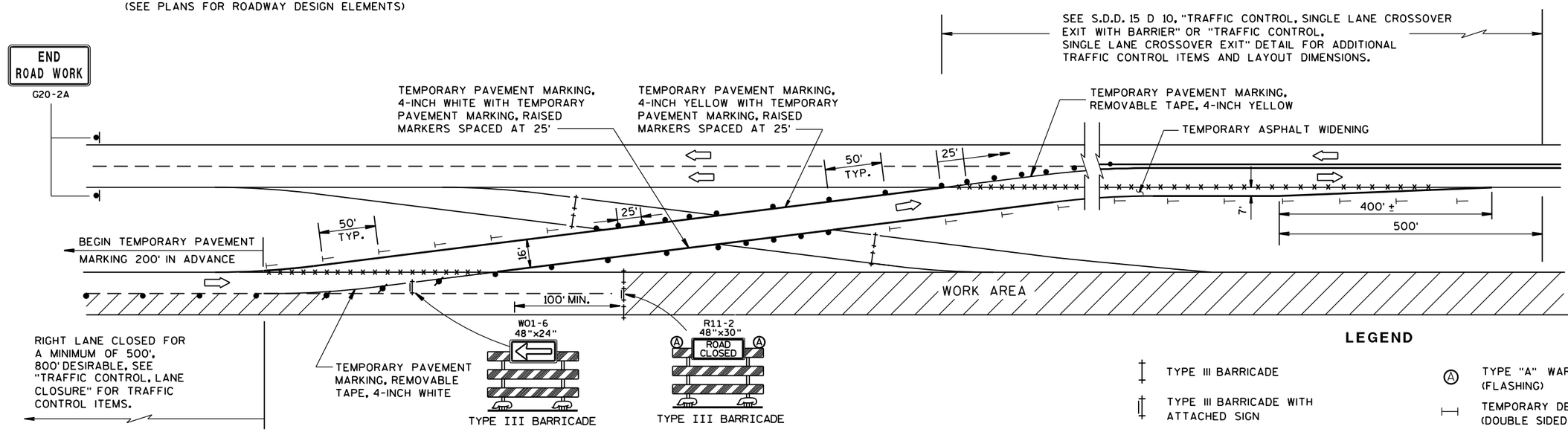
TYPICAL TEMPORARY CROSSOVER ROADWAY DIMENSIONS

(SEE PLANS FOR ROADWAY DESIGN ELEMENTS)



TYPICAL CROSSOVER TO REMAIN IN PLACE ROADWAY DIMENSIONS

(SEE PLANS FOR ROADWAY DESIGN ELEMENTS)



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL DRUM
- TEMPORARY DELINEATOR (STEEL POST W/SINGLE DELINEATOR) COLOR OF DELINEATOR SHALL MATCH THE COLOR OF THE RESPECTIVE EDGELINE MARKING
- TYPE "A" WARNING LIGHT (FLASHING)
- TEMPORARY DELINEATOR (DOUBLE SIDED)
- REMOVING PAVEMENT MARKINGS
- DELINEATOR FLEXIBLE/ TUBULAR MARKER
- DIRECTION OF TRAFFIC
- WORK AREA
- SIGN ON PERMANENT SUPPORT

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.

THE SPACING BETWEEN PROPOSED SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) DISTANCE TO EXISTING SIGNS.

TEMPORARY PAVEMENT MARKING REMOVABLE TAPE SHALL BE USED WHEN CROSSING PERMANENT ROADWAY SURFACES THAT WILL REMAIN AFTER USE OF CROSSOVER AND TEMPORARY PAVEMENT MARKING WHERE USED.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

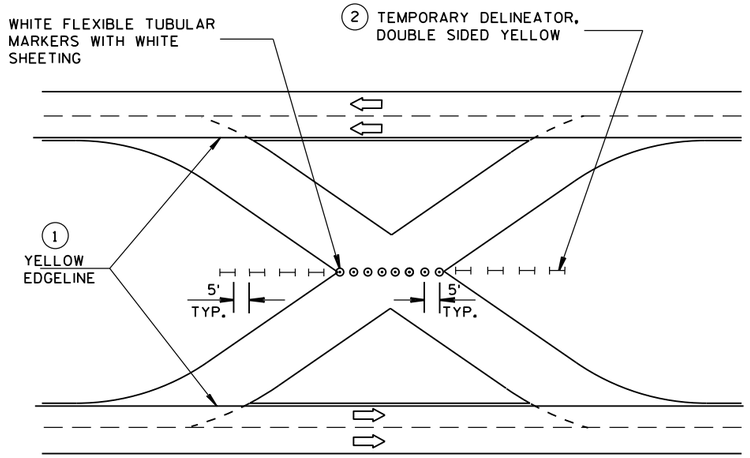
"WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON "COVERED" OR "DOWNED" SIGNS.

REVERSE DEVICES WHEN OTHER LEG OF CROSSOVER IS IN USE.

(1) FOR PERMANENT CROSSOVER, PAVEMENT MARKING SHOULD CONFORM TO SECTION 646 OF THE STANDARD SPECIFICATIONS.

(2) FOR PERMANENT CROSSOVER, INSTALL PERMANENT DELINEATORS ACCORDING TO SECTION 633 OF THE STANDARD SPECIFICATIONS.



TRAFFIC CONTROL FOR CROSSOVER THAT IS NOT IN USE

TRAFFIC CONTROL, SINGLE LANE CROSSOVER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept., 2017 — DATE
/S/ Andrew Heldtke — WORK ZONE ENGI
FHWA

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S.D.D. 15 D 11-7

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMENENT SUPPORT
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL DRUM
- FLASHING ARROW BOARD
- (A) TYPE "A" WARNING LIGHT (FLASHING)
- REMOVING PAVEMENT MARKING
- DIRECTION OF TRAFFIC
- WORK AREA

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.

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET, (500 FEET DESIREABLE) DISTANCE TO EXISTING SIGNS.

THIS LANE CLOSURE IS TYPICAL FOR CLOSING RIGHT LANE - REVERSE FOR CLOSING LEFT LANE.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

"WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.

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. NO WARNING LIGHTS SHALL BE WORKING ON "COVERED" OR "DOWNED" SIGNS.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

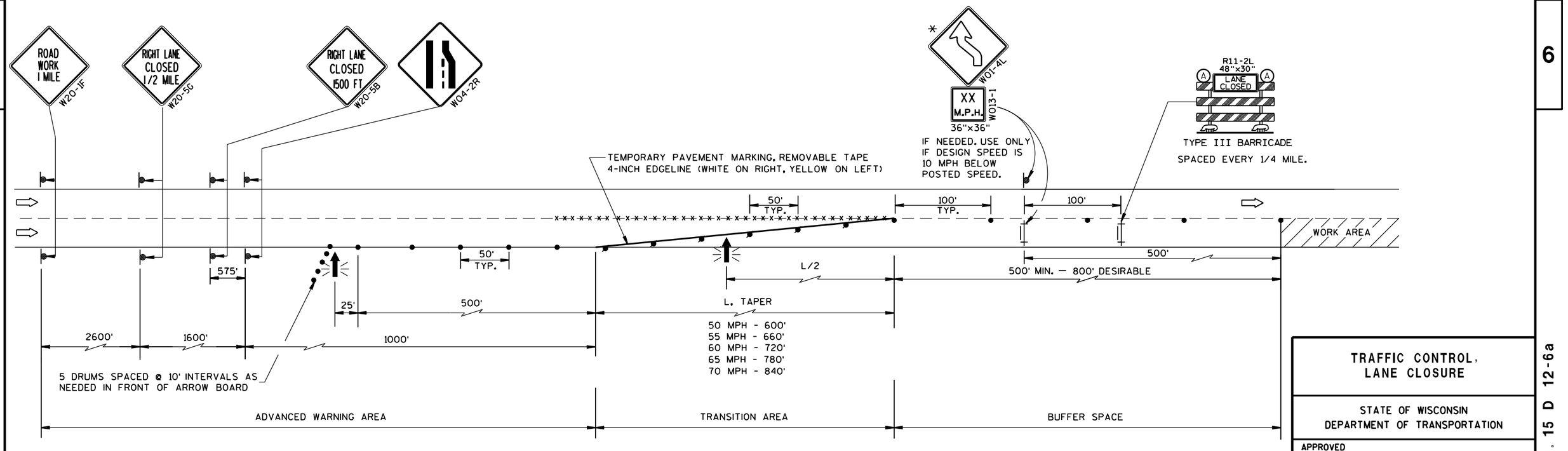
REMOVE PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE FOR LONGER THAN 4 OR MORE DAYS AND NIGHTS.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE CLOSURE OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP. THE LANE CLOSURE MUST MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE 1/2 THE LENGTH OF THE TRANSITION AREA. THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL CHANGE SUCH AS A CROSSOVER MANEUVER.

* THE LEFT REVERSE CURVE SIGN (WO1-4L) IS ONLY REQUIRED WHEN THIS DETAIL IS USED IN COMBINATION WITH "SINGLE LANE CROSSOVER" DETAIL.



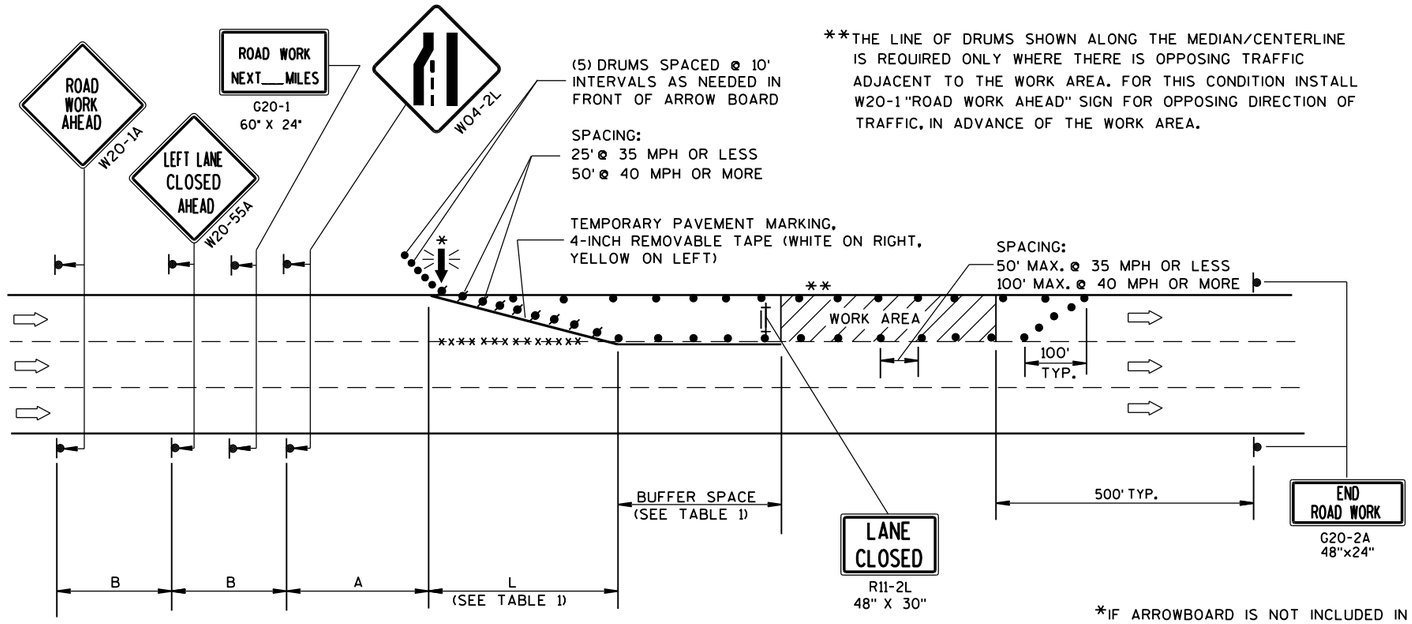
TRAFFIC CONTROL, LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2016 — DATE
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZONE SAFETY ENGINEER
FHWA

6

S.D.D. 15 D 12-6a



**THE LINE OF DRUMS SHOWN ALONG THE MEDIAN/CENTERLINE IS REQUIRED ONLY WHERE THERE IS OPPOSING TRAFFIC ADJACENT TO THE WORK AREA. FOR THIS CONDITION INSTALL W20-1 "ROAD WORK AHEAD" SIGN FOR OPPOSING DIRECTION OF TRAFFIC, IN ADVANCE OF THE WORK AREA.

B=400' AT 25-30 MPH
700' AT 35-40 MPH
1000' AT 45-55 MPH

A=200' AT 25-30 MPH
350' AT 35-40 MPH
500' AT 45-55 MPH

(PLACE BARRICADE AND SIGN APPROX. EVERY 1000' ACROSS THE CLOSED LANE)

*IF ARROWBOARD IS NOT INCLUDED IN MISCELLANEOUS QUANTITIES, SUBSTITUTE A TYPE III BARRICADE WITH W01-6 SIGN IN THE LANE CLOSURE TAPER.

W01-6
48"x24"

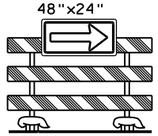


TABLE 1
TAPER AND BUFFER SPACE FOR 12' LANE WIDTH

S	L	BUFFER SPACE
25	125'	55'
30	180'	85'
35	245'	120'
40	320'	170'
45	540'	220'
50	600'	280'
55	660'	335'

FOR LANE WIDTH OTHER THAN 12':

L = WS AT 45 MPH OR GREATER

$L = \frac{WS^2}{60}$ AT 40 MPH OR LESS

L = TAPER LENGTH IN FEET

S = NON-CONSTRUCTION SPEED LIMIT (MPH)

W = WIDTH OF LANE CLOSURE

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL DRUM
- FLASHING ARROW BOARD
- DIRECTION OF TRAFFIC
- REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)
- WORK AREA

GENERAL NOTES

THIS LANE CLOSURE DETAIL IS TYPICAL FOR CLOSING THE LEFT LANE. FOR A RIGHT LANE CLOSURE, REVERSE THE TRAFFIC CONTROL.

THIS DETAIL MAY BE USED FOR ROADWAYS WITH EITHER TWO OR THREE LANES IN EACH DIRECTION.

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS 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.

ALL SIGNS ARE 48"x48" 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, OR THAT WILL BE PLACED IN A CLOSED LANE, 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.

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

ON UNDIVIDED ROADWAYS, OMIT THE SIGNS SHOWN ON LEFT SIDE OF ROAD.

W20-1A, G20-1 AND G20-2A SIGNS ARE NOT REQUIRED IF THE LANE CLOSURE IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT.

OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROWBOARDS SO THE APPROACHING DRIVER HAS A CLEAR VIEW OF THE ARROWBOARDS AND LANE CLOSURE DRUMS.

PLACE THE ARROWBOARD AS CLOSE AS POSSIBLE TO THE BEGINNING OF THE LANE CLOSURE TAPER, PREFERABLY ON THE SHOULDER OR TERRACE.

CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

BARRICADES IN A CLOSED LANE 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.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2016 — DATE
/S/ Peter Amakobe Atepe — STATEWIDE WORK ZONE SAFETY ENGINEER
FHWA

6

S.D.D. 15 D 20-4

6

S.D.D. 15 D 20-4

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.

W20-1A 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	200
35	30	45	55	70	250
40	40	55	75	90	305
45	60	90	120	150	360
50	70	100	135	170	425
55	75	110	150	185	495

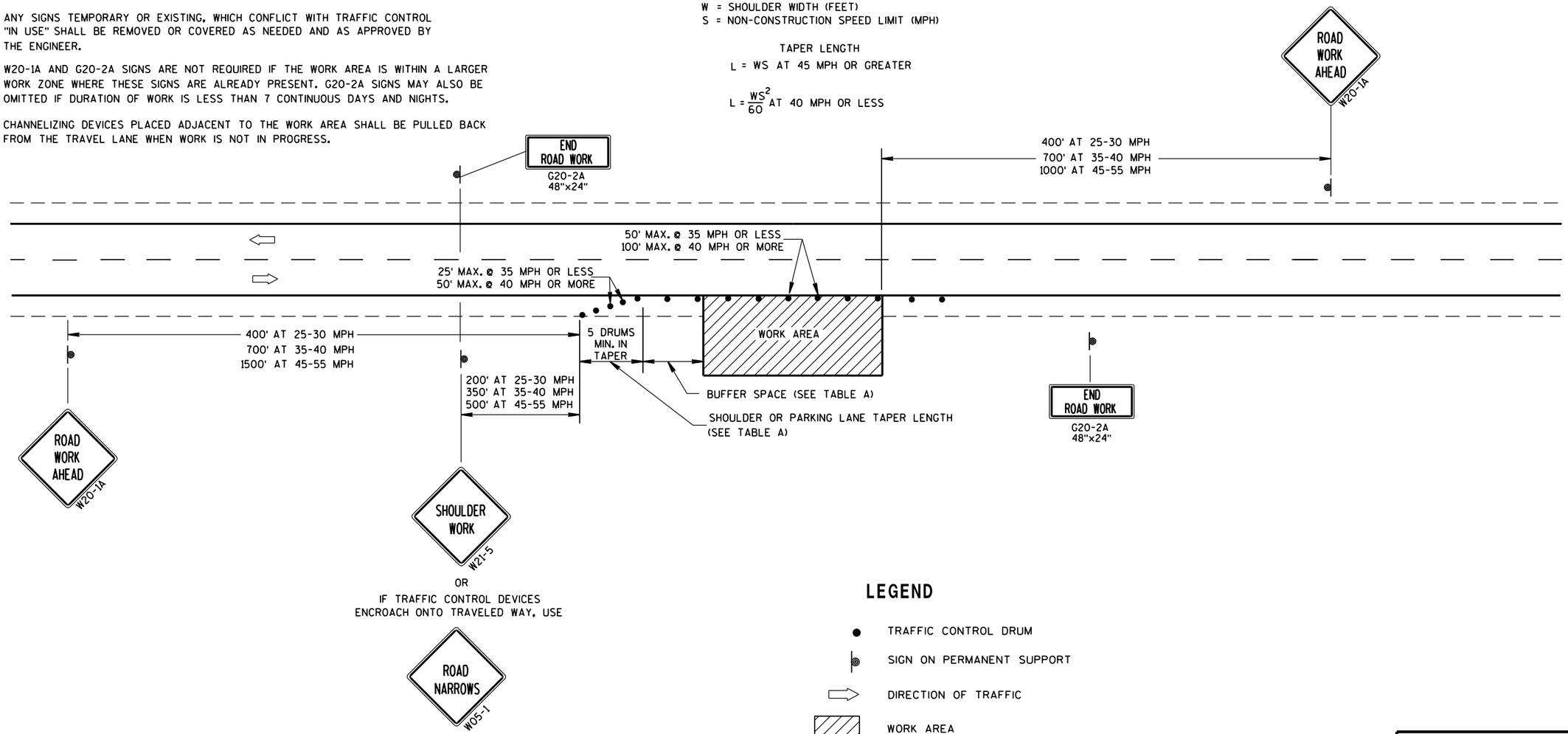
W = SHOULDER WIDTH (FEET)
S = NON-CONSTRUCTION SPEED LIMIT (MPH)

TAPER LENGTH

L = WS AT 45 MPH OR GREATER

$L = \frac{WS^2}{60}$ AT 40 MPH OR LESS

SHOULDER TAPER LENGTH = $\frac{1}{3}L$



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

July 14, 2015 — DATE

/S/ Peter Amakobe Atepe
STATEWIDE WORK ZO[illegible] SAFETY ENGI[illegible]

FHWA

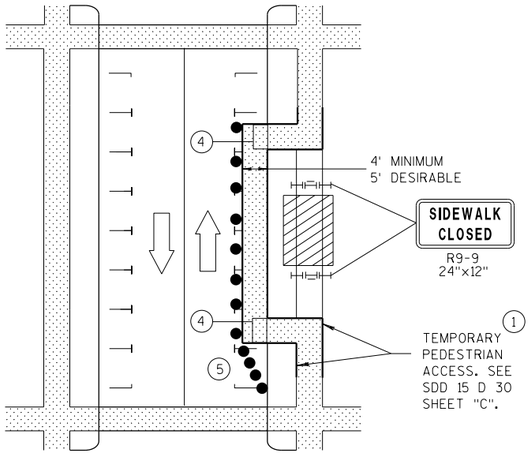
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S.D.D. 15 D 28-3

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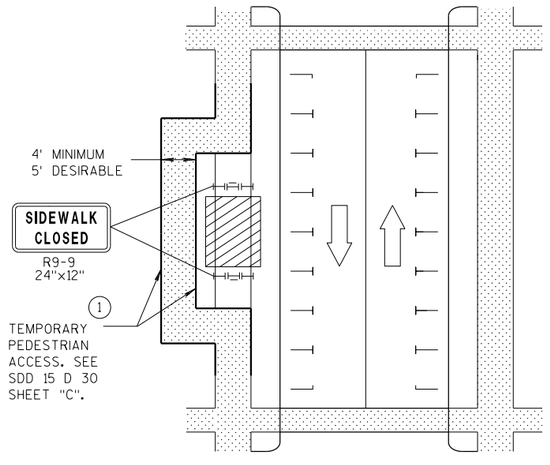
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NOTE: MAY BE USED ON ROADWAY WITH POSTED SPEED OF LESS THAN 40 MPH.

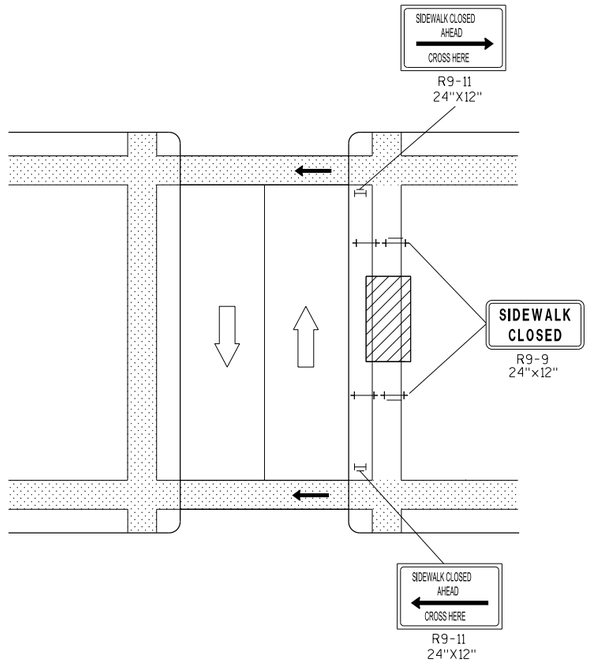


MID-BLOCK SIDEWALK CLOSURE IN PARKING LANE

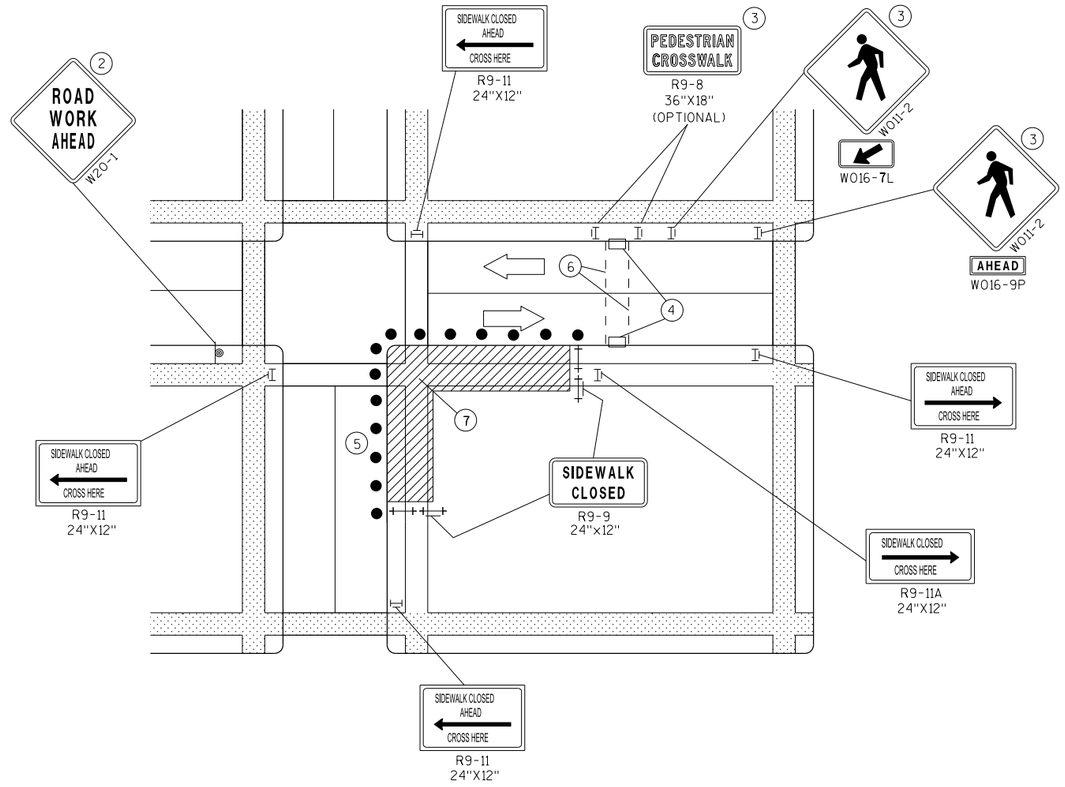
NOTE: LAYOUT SAME AS ABOVE.



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.

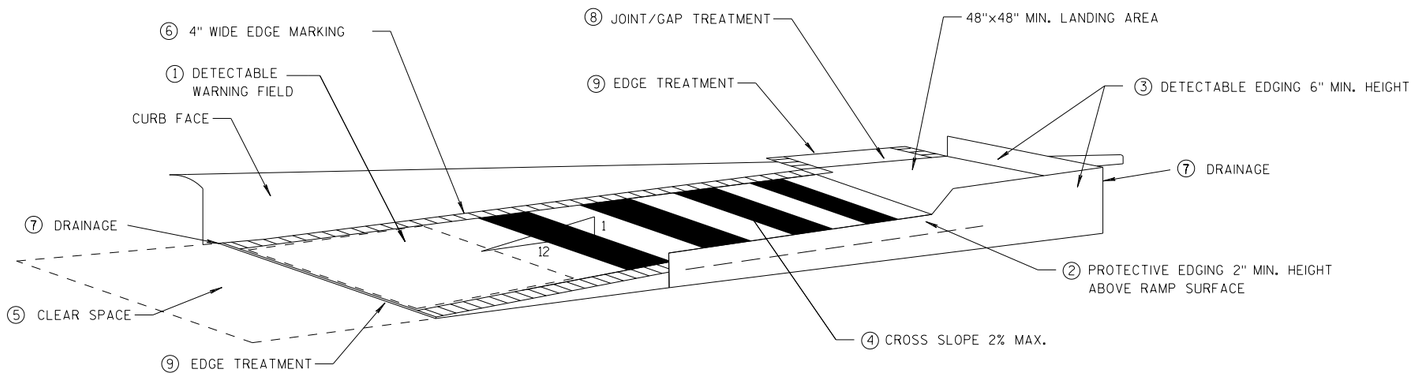
LEGEND

- 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

6

S.D.D. 15 D 30-4a



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.

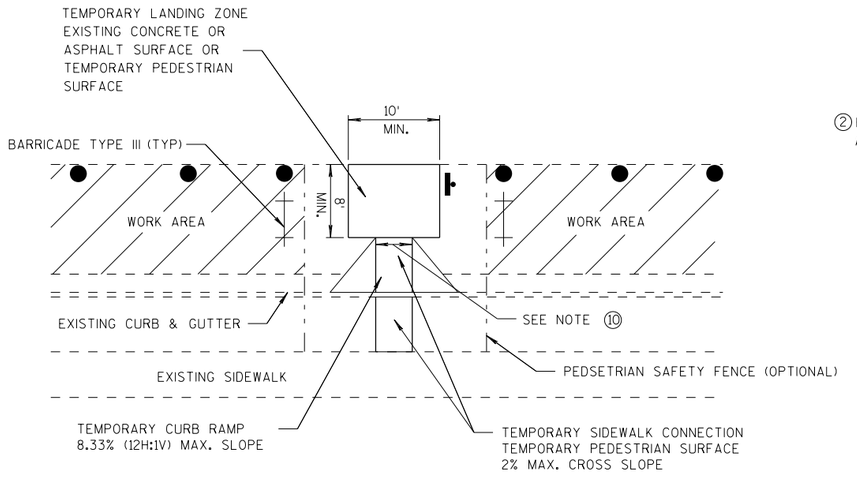
⑥ THE CURB RAMP WALKWAY EDGE SHALL BE MARKED WITH A YELLOW COLOR, 4" WIDE MARKING, UNLESS A CONTRASTING DETECTABLE WARNING FIELD IS PROVIDED.

⑦ DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.

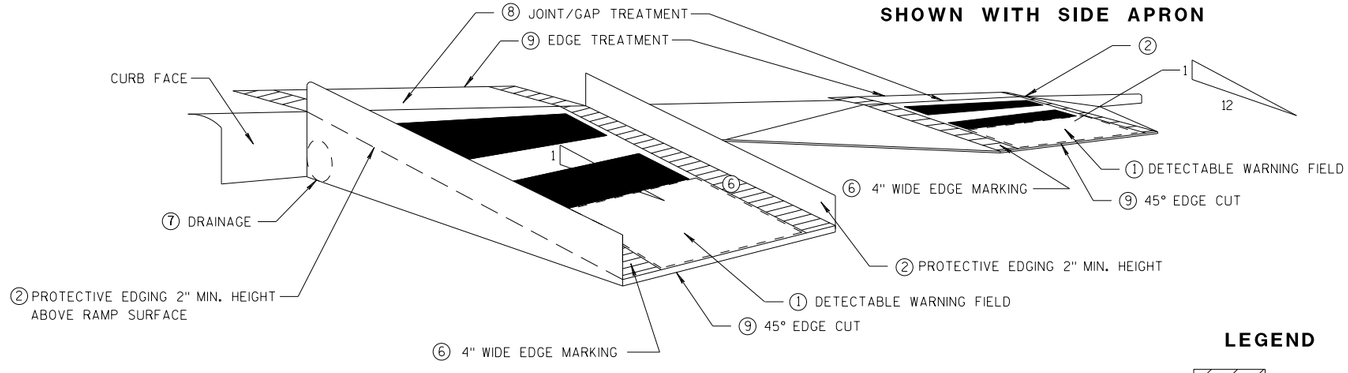
⑧ LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN 1/2" WIDTH.

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

7/2018 DATE

/S/ Andrew Heidtke
WORK ZONE ENG

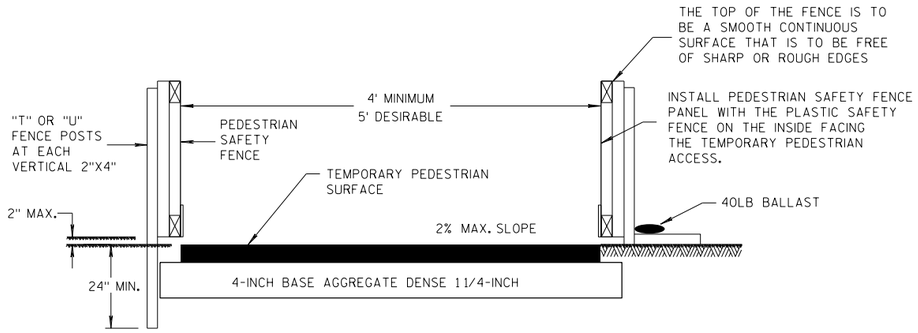
FHWA

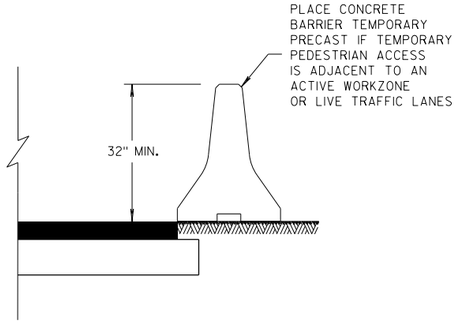
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S.D.D. 15 D 30-4b

6

S.D.D. 15 D 30-4b

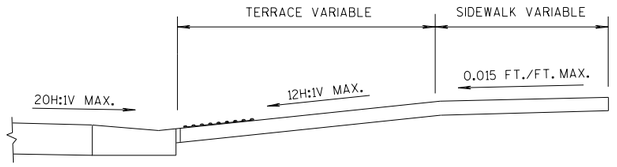




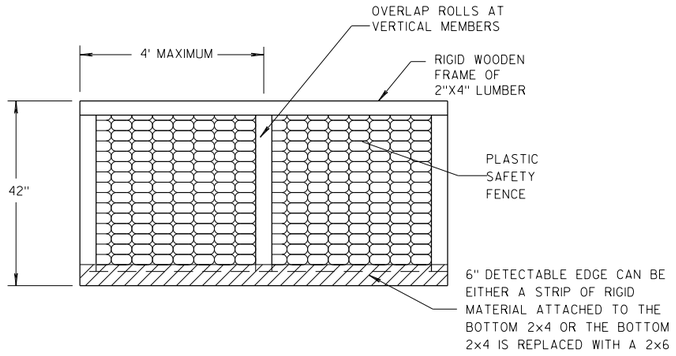
TEMPORARY PEDESTRIAN ACCESS

GENERAL NOTES

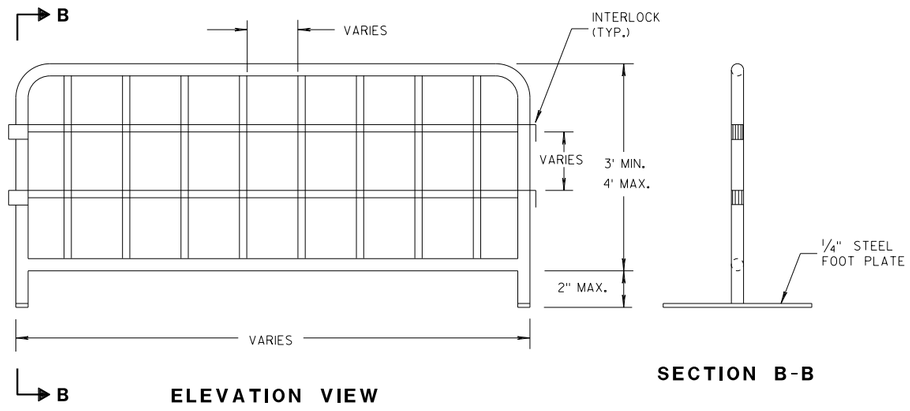
(1) INTERCHANGEABLE WITH THE PEDESTRIAN SAFETY FENCE.



SECTION A-A



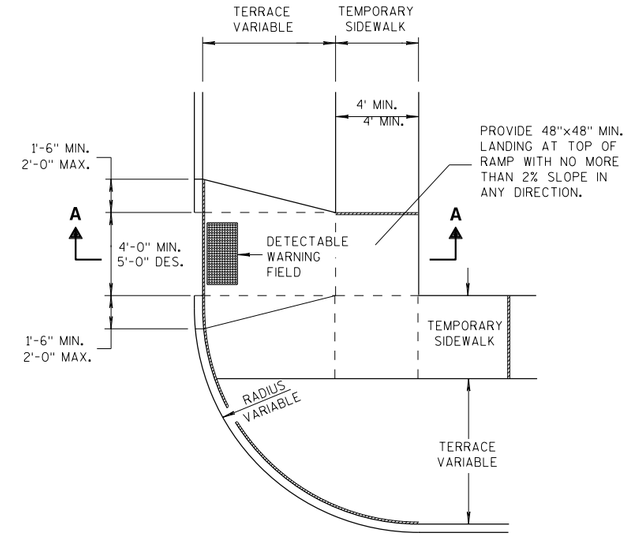
PEDESTRIAN SAFETY FENCE



ELEVATION VIEW

SECTION B-B

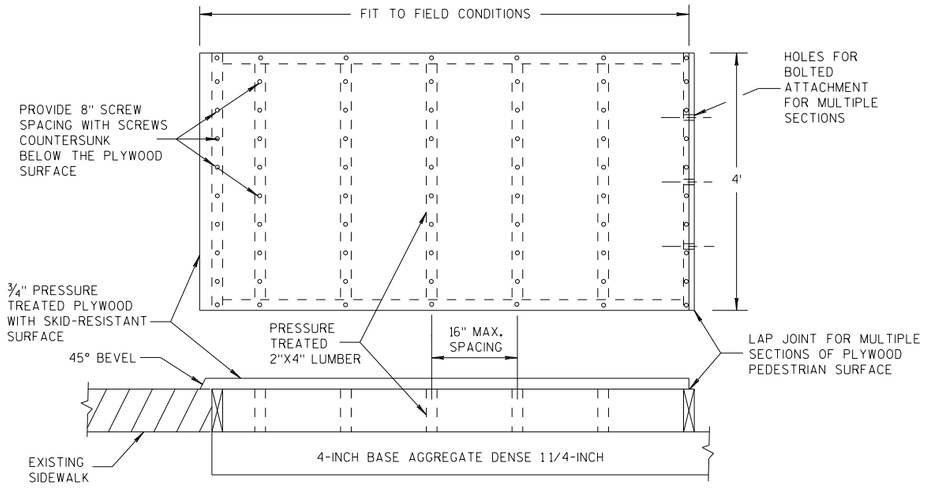
TEMPORARY PEDESTRIAN STEEL BARRICADE (1)



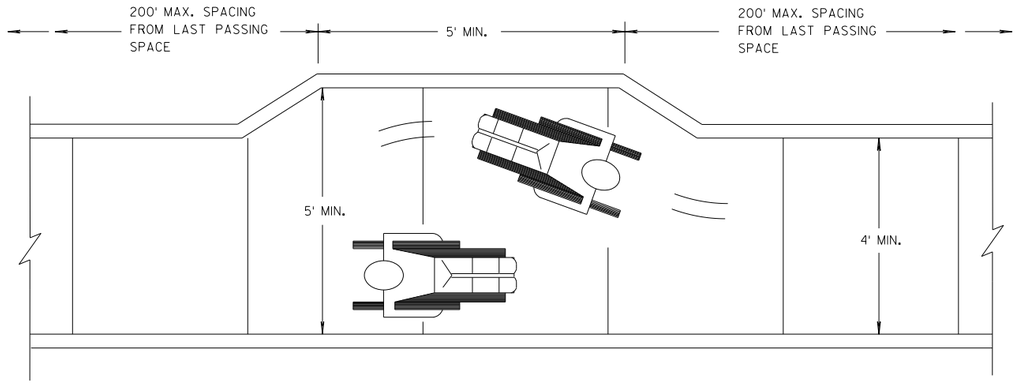
PLAN VIEW

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

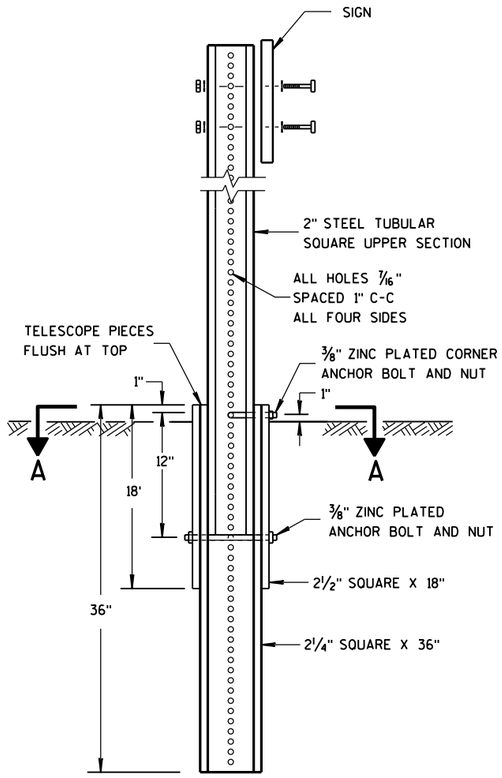
APPROVED

7/2018
DATE

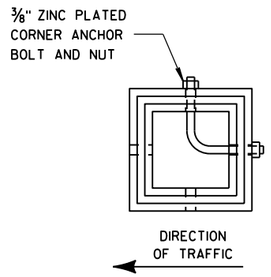
/S/ Andrew Heidtke
WORK ZONE ENG

FHWA

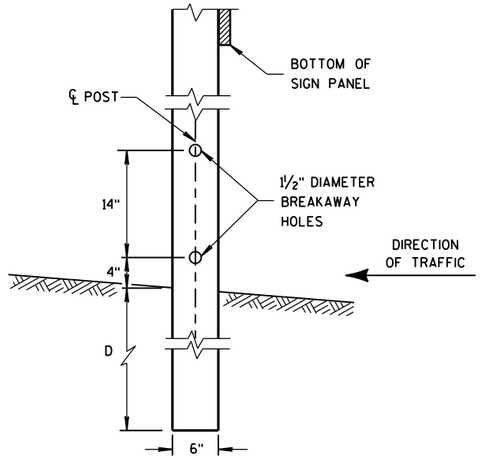
6
S.D.D. 15 D 30-4c



DETAIL OF TUBULAR STEEL SIGN POST



SECTION A-A



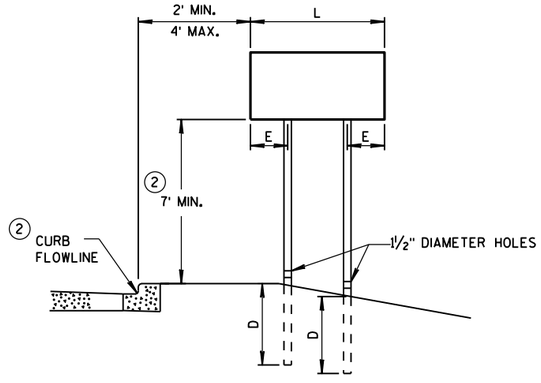
4"x6" WOOD POST MODIFICATION

GENERAL NOTES

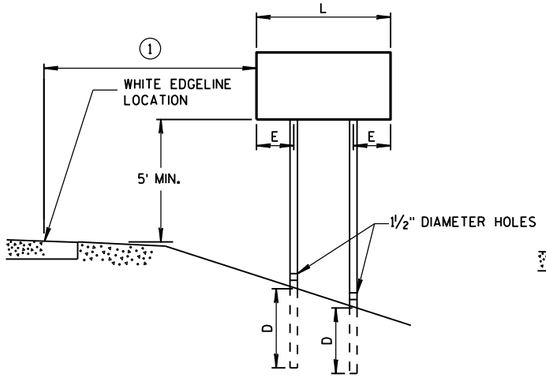
(1) 6 FEET FROM THE EDGE OF PAVEMENT (EDGE LINE LOCATION) UNLESS OTHERWISE DIRECTED BY THE PROJECT ENGINEER. LATERAL OFFSET SHOULD BE ADJUSTED TO AVOID THE DITCH FLOWLINE.

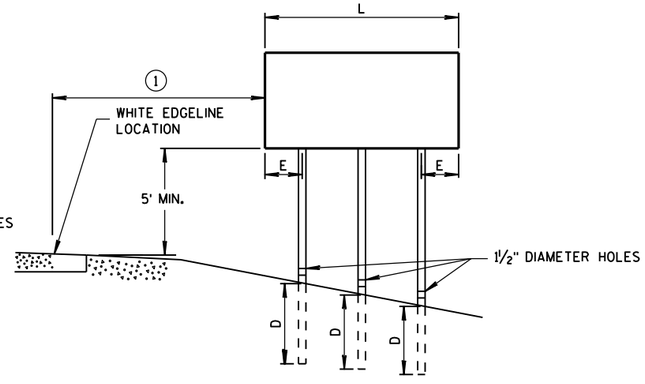
(2) THE EXISTENCE OF CURB AND GUTTER DOES NOT IN ITSELF MANDATE THE VERTICAL CLEARANCE ILLUSTRATED. THAT HEIGHT IS TYPICALLY MEASURED WHERE THERE IS SIDEWALK ADJACENT TO THE ROADWAY OR PARKING IS PERMITTED. IN THE ABSENCE OF SIDEWALK, VERTICAL CLEARANCE IS MEASURED FROM THE TOP OF THE CURB. IF NO SIDEWALK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

(3) FOR SIGNS REQUIRING 4 POSTS, SPACE INTERMEDIATE POSTS EVENLY.



URBAN AREA





RURAL AREA

POST MOUNTING DETAIL FOR TEMPORARY TRAFFIC CONTROL FIXED MESSAGE SIGNS

TUBULAR STEEL POSTS

AREA OF SIGN INSTALLATION (SQ. FT.)	NUMBER OF REQUIRED TUBULAR STEEL 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).

SIGNS LARGER THAN 27 SQ. FT. SHALL NOT BE MOUNTED ON TUBULAR STEEL POSTS.

WOOD POST EMBEDMENT DEPTH

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

4" X 6" WOOD POST

POST SPACING REQUIREMENTS		NUMBER OF WOOD POSTS REQUIRED
L	E	
48" OR LESS AND LESS THAN 20 SQ. FT.	-	1
LESS THAN 60"	12"	2
60" TO 120"	L/5	2
GREATER THAN 120" LESS THAN 168"	12"	3
168" AND GREATER	12"	4

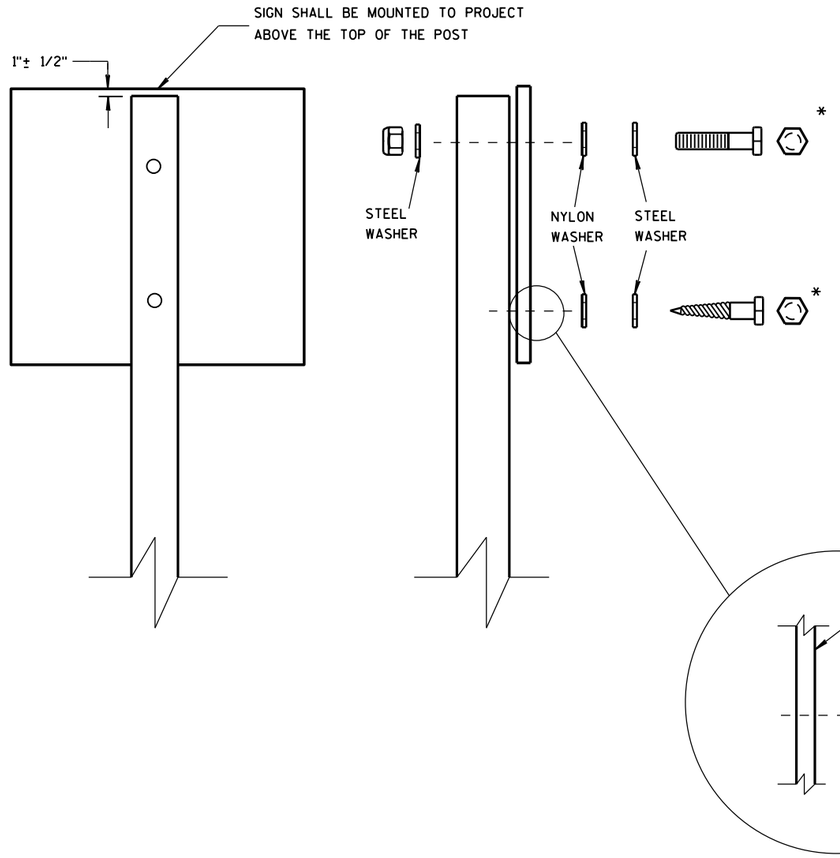
SEE NOTE (3)

TEMPORARY TRAFFIC CONTROL SIGN MOUNTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

S.D.D. 15 D 38-2a



WASHER PLACEMENT WHEN SIGN HAS OTHER THAN TYPE H OR TYPE F FACE

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

* 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. FOR A SINGLE POST INSTALLATION, ALL SIGNS GREATER THAN 9 SQ. FT. REQUIRE THE USE OF 3 FASTENERS.

6

6

S.D.D. 15 D 38-2b

S.D.D. 15 D 38-2b

ATTACHMENT OF SIGNS TO POSTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

June 2017
DATE

/S/ Andrew Heldtke
WORK ZONE ENG

FHWA

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- (A) TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK AREA
- REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)

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.

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET, (500 FEET DESIREABLE) DISTANCE TO EXISTING SIGNS.

THIS LANE CLOSURE IS TYPICAL FOR SHIFTING RIGHT LANE - REVERSE FOR SHIFTING LEFT LANE.

ALL SIGNS ARE 48"×48" UNLESS OTHERWISE NOTED.

"WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.

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. NO WARNING LIGHTS SHALL BE WORKING ON "COVERED" OR "DOWNED" SIGNS.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

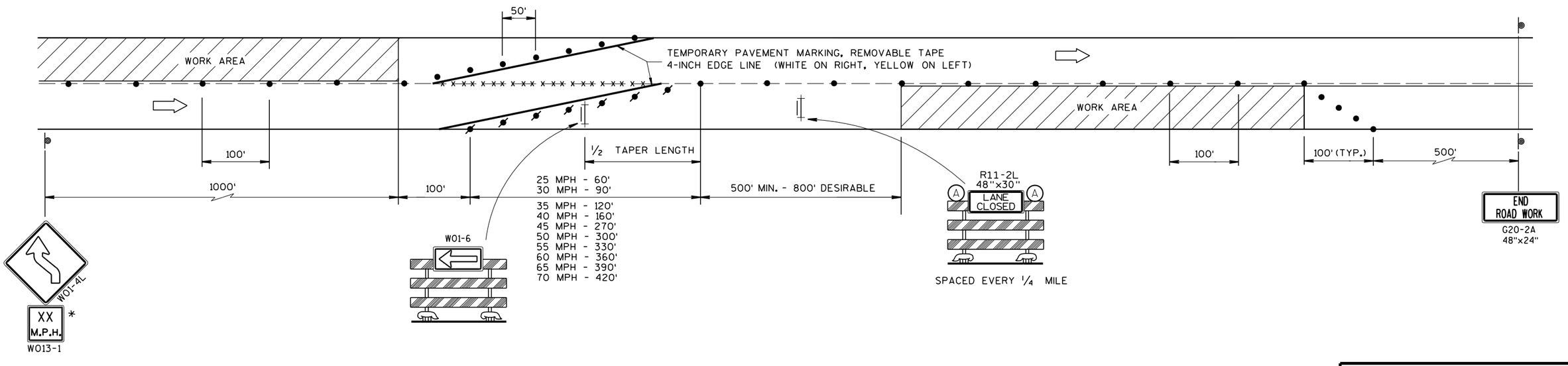
FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

REMOVE PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE FOR LONGER THAN 4 OR MORE DAYS AND NIGHTS.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE CLOSURE OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP. THE LANE CLOSURE MUST MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE 1/2 THE LENGTH OF THE TRANSITION AREA. THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL CHANGE SUCH AS A CROSSOVER MANEUVER.



* USE ONLY IF DESIGN SPEED IS 10 MPH BELOW POSTED SPEED

LANE SHIFT MULTI-LANE DIVIDED OR ONE WAY ROAD

TRAFFIC CONTROL, LANE SHIFT, MULTI-LANE DIVIDED OR ONE WAY ROAD

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

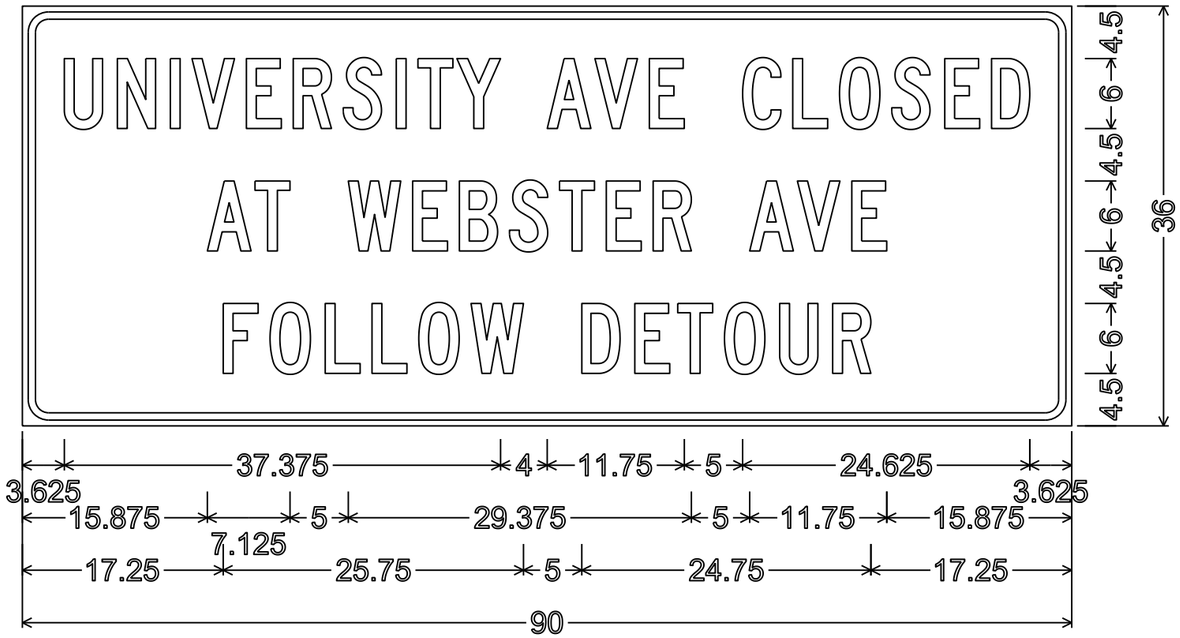
APPROVED
March 2018
DATE
/S/ Andrew I
WORK ZONE E
FHWA

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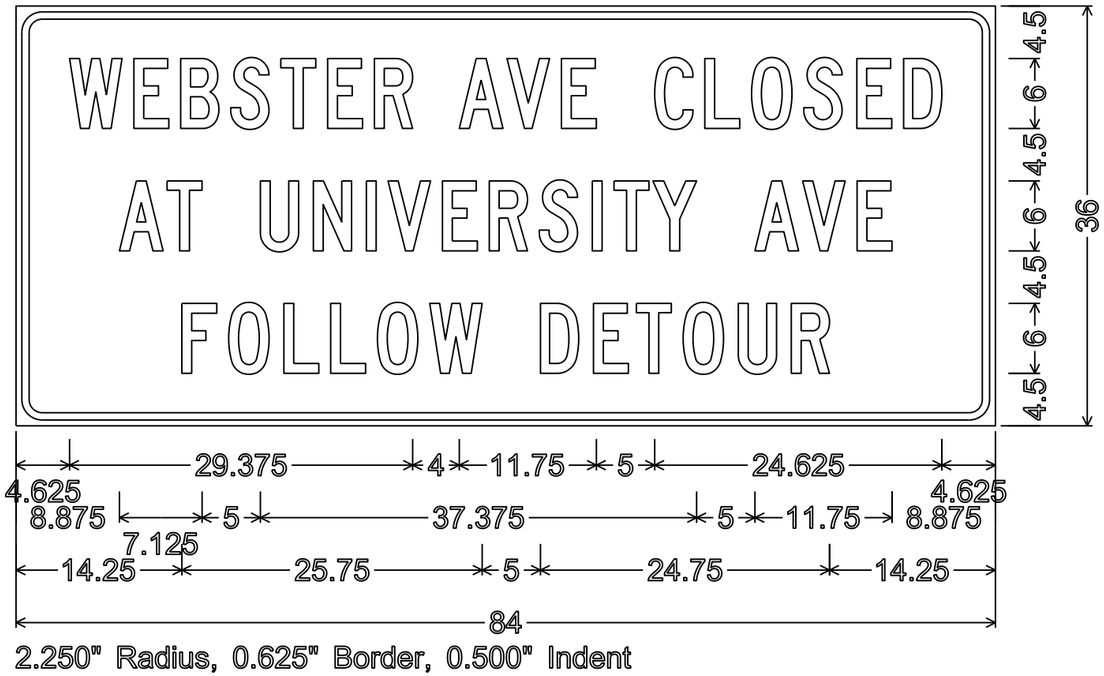
S.D.D. 15 D 40-1

NOTES

1. Fixed Message Type II Signs - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C



2.250" Radius, 0.625" Border, 0.500" Indent



2.250" Radius, 0.625" Border, 0.500" Indent

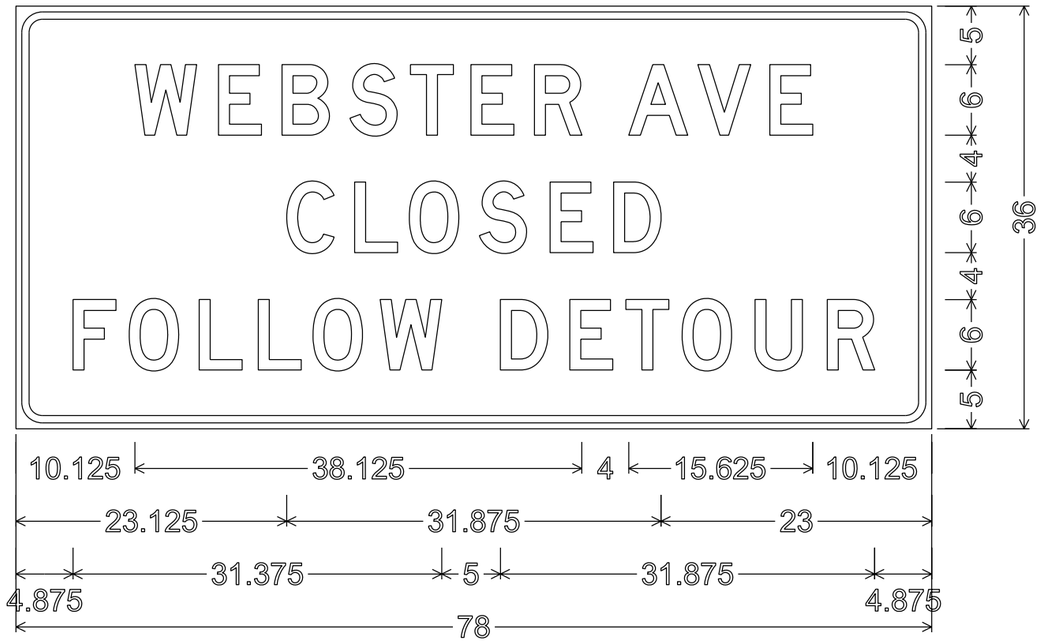
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7

PROJECT NO: 4987-02-64	HWY: STH 54/57	COUNTY: BROWN	TEMPORARY SIGNING	SHEET NO: 218	E

NOTES

1. Fixed Message Type II Signs - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D



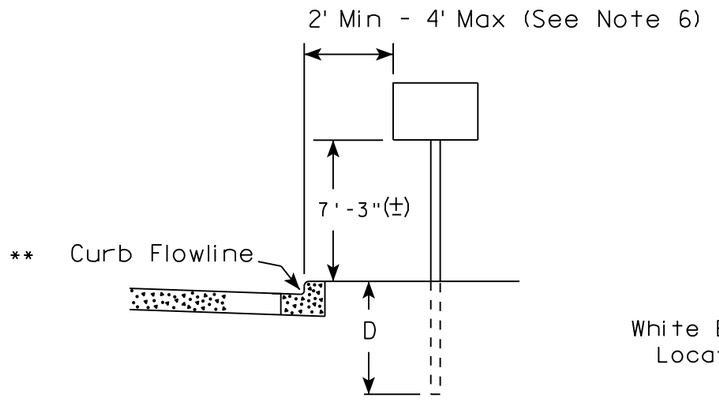
2.250" Radius, 0.625" Border, 0.500" Indent

7

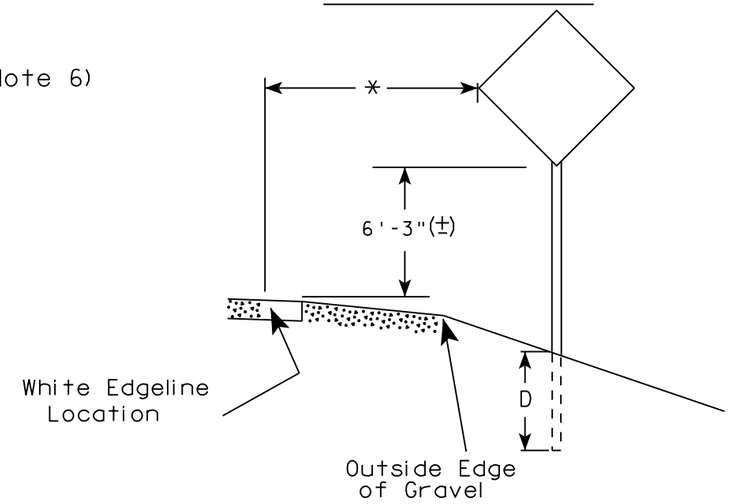
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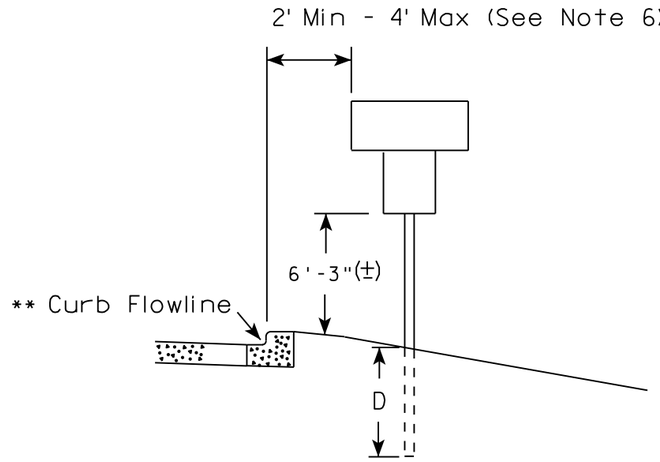
PROJECT NO: 4987-02-64	HWY: STH 54/57	COUNTY: BROWN	TEMPORARY SIGNING	SHEET NO: 219	E

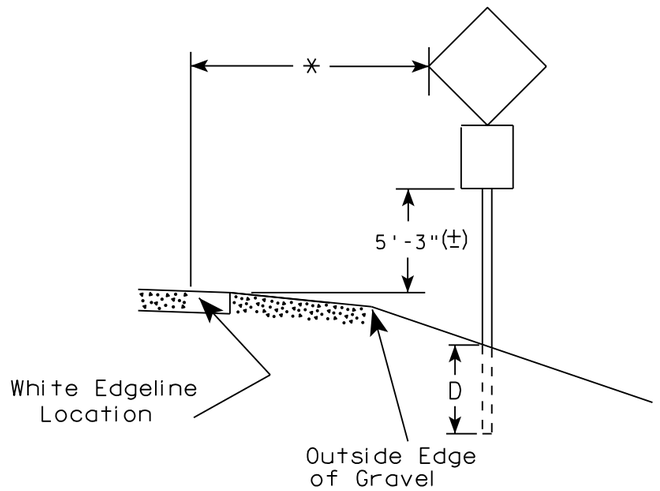
URBAN AREA



RURAL AREA (See Note 2)







** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

GENERAL NOTES

1. Signs wider than 4 feet or 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. J-Assemblies are considered to be one sign for mounting height.
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" (±).

POST EMBEDMENT DEPTH

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

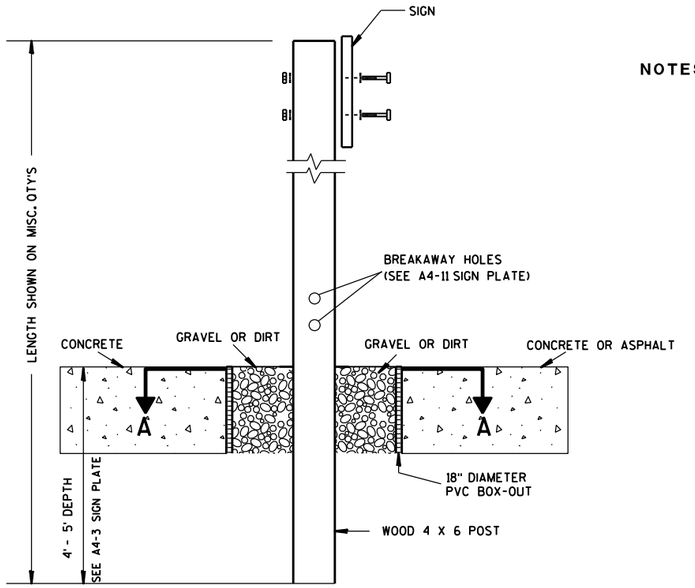
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/21/17 PLATE NO. A4-3.21

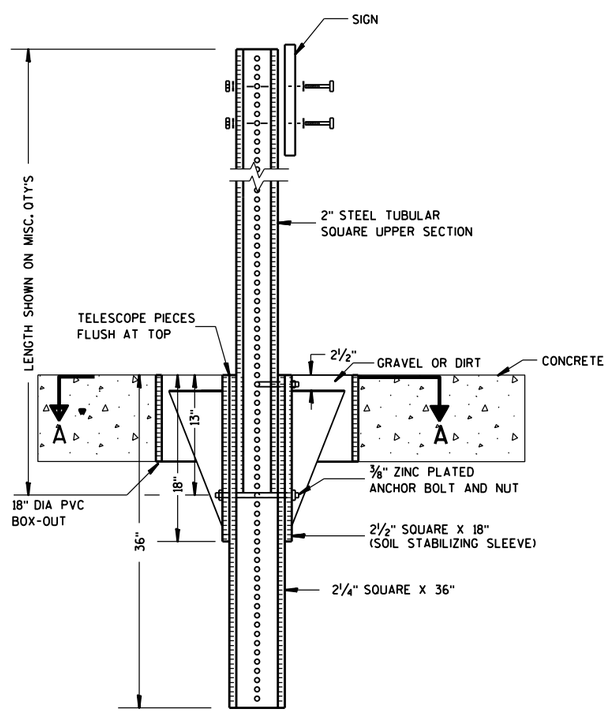
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 220	E



ELEVATION VIEW

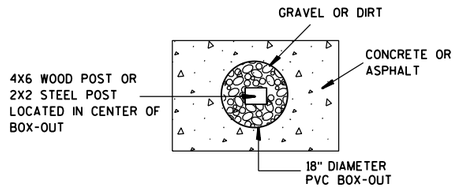
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

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

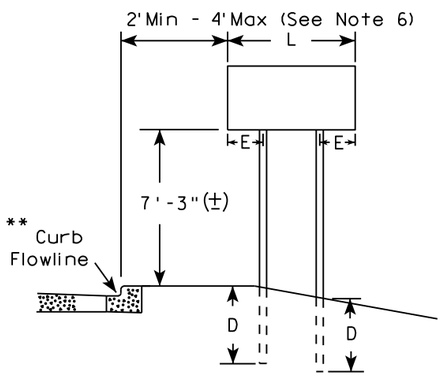
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/27/14 PLATE NO. A4-3B.1

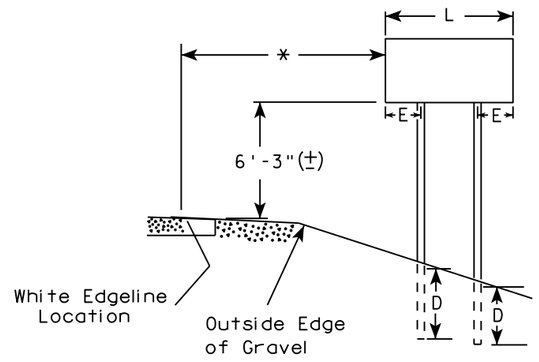
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

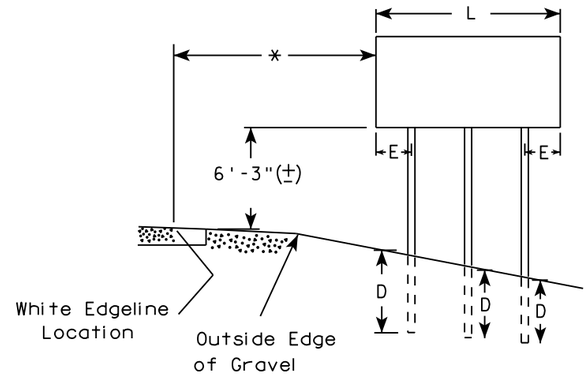
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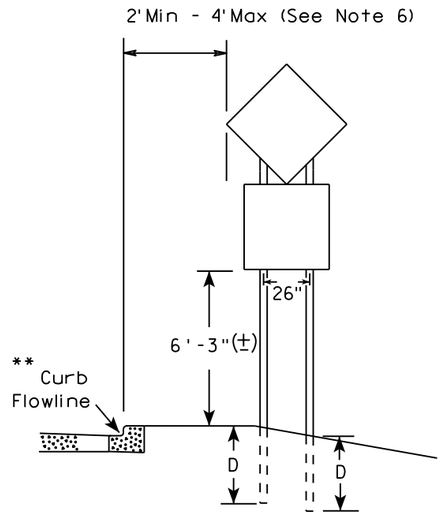
URBAN AREA



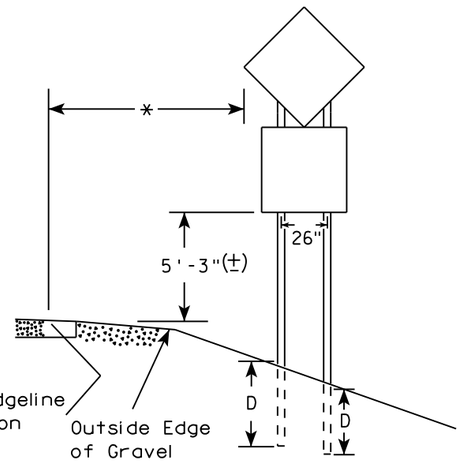
RURAL AREA (See Note 3)







48" DIAMOND WARNING SIGN



48" DIAMOND WARNING SIGN

SIGN SHAPE OTHER THAN DIAMOND (TWO POSTS REQUIRED)		
	L	E
***	Greater than 48" Less than 60"	12"
	60" to 108"	L/5

SIGN SHAPE OTHER THAN DIAMOND (THREE POSTS REQUIRED)	
L	E
Greater than 108" to 144"	12"

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. J-Assemblies are considered to be one sign for mounting height.
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 and less than 20 S.F. in area.

POST EMBEDMENT DEPTH

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

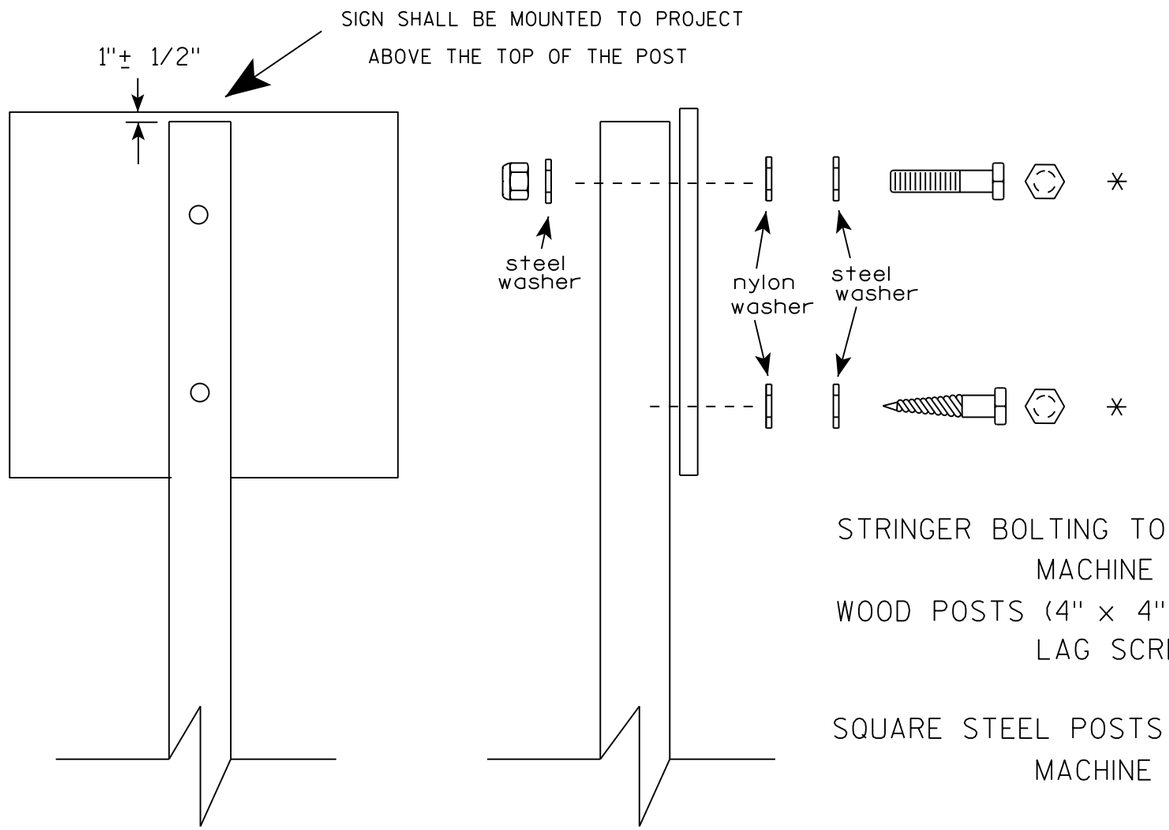
TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/21/17 PLATE NO. A4-4.15

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 222	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.

STRINGER BOLTING TO ALUMINUM SIGNS (SEE SIGN PLATE A4-18)

MACHINE BOLTS - 5/16" X 1-3/4" Length w/ lock nuts

WOOD POSTS (4" x 4" or 4" x 6")

LAG SCREWS - 3/8" X 3" (NO STRINGERS ON BACK OF SIGN)

3/8" X 4" (STRINGERS ON BACK OF SIGN)

SQUARE STEEL POSTS (2" x 2")

MACHINE BOLTS - 3/8" X 3-1/4" Length w/ nuts (NO STRINGER ON BACK OF SIGN)

3/8" X 5" Length w/ nuts (STRINGERS ON BACK OF SIGN)

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

* 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

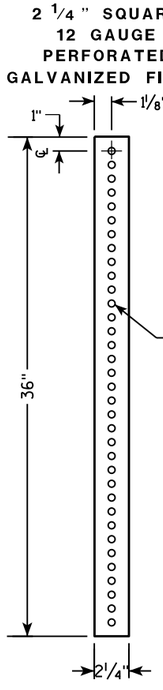
DATE 8/11/16 PLATE NO. A4-8.8

PROJECT NO: SHEET NO: E

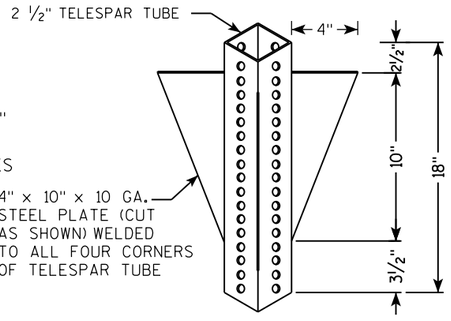
FILE NAME : C:\CADfiles\Projects\tr_stdplate\A48.DGN PLOT DATE : 11-AUG-2016 11:35 PLOT BY : $$ plotuser $$

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

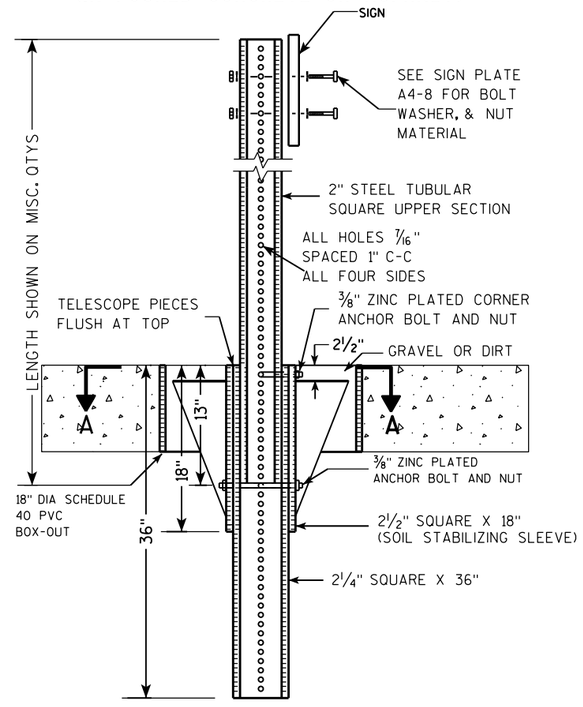
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



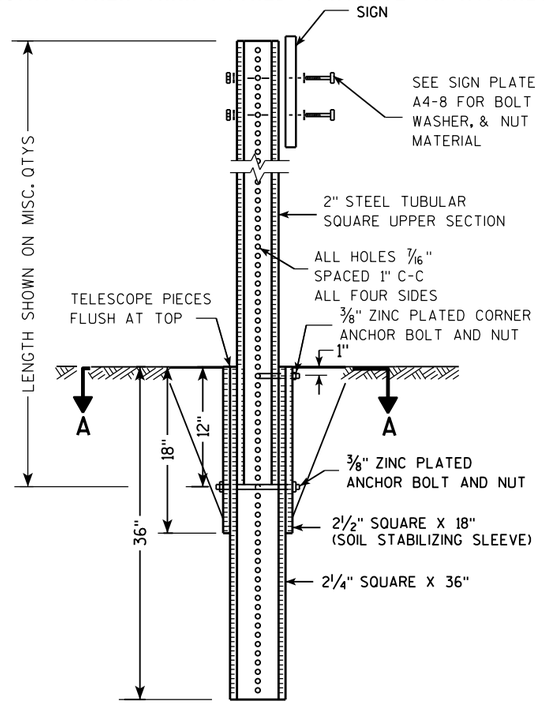
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

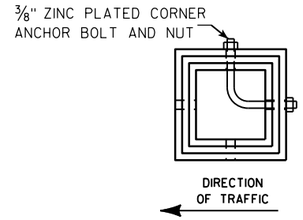


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



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).

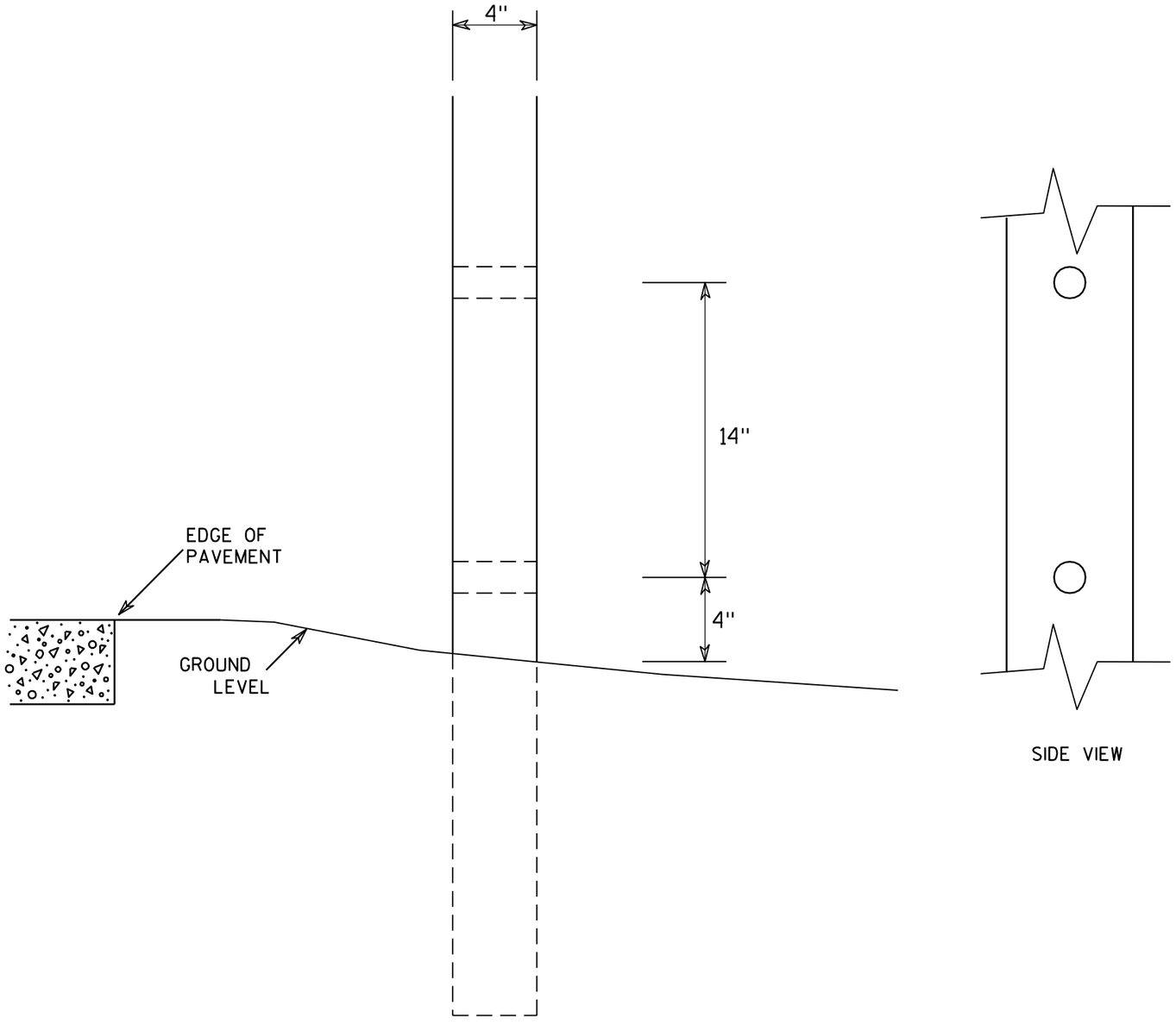
TUBULAR STEEL
SIGN POST
A4-9

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE 224 A4-9.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



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

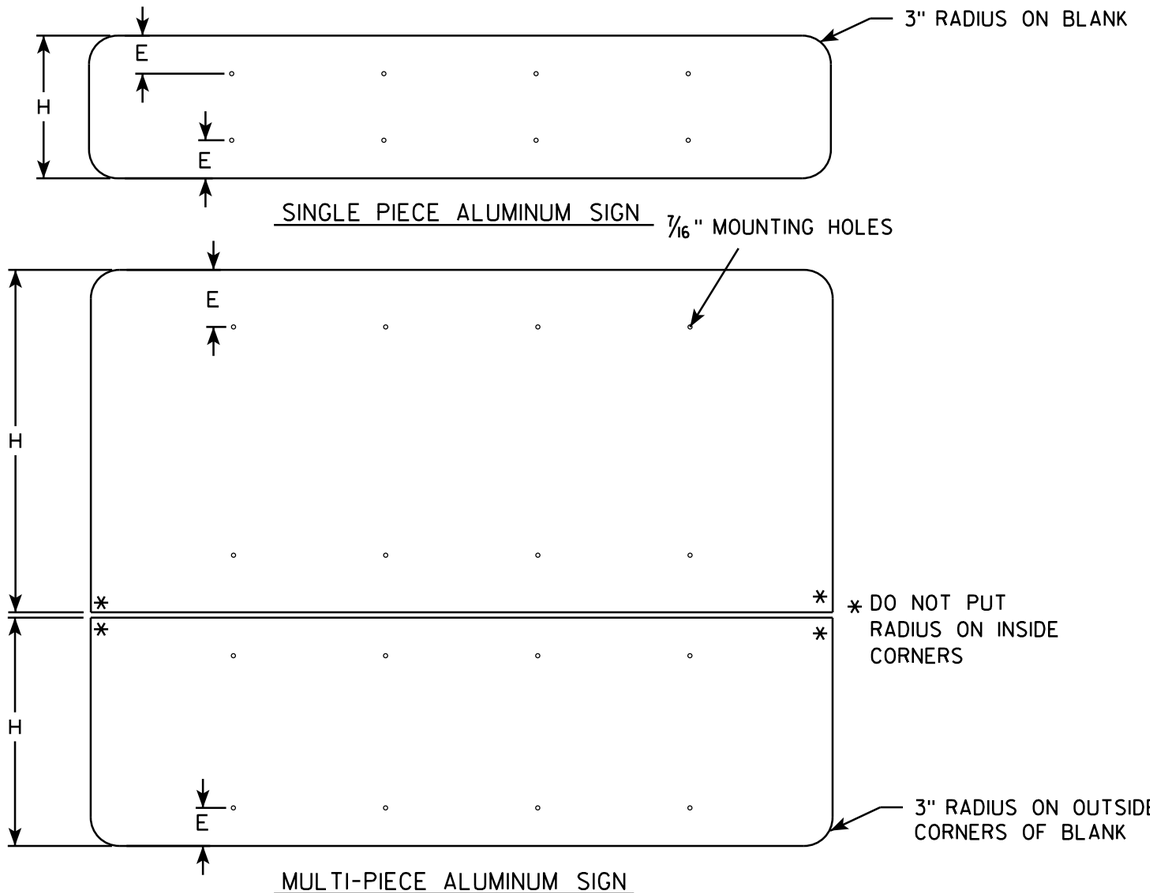
4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spang for State Traffic Engineer

DATE 3/27/97 PLATE NO. A4-11.2

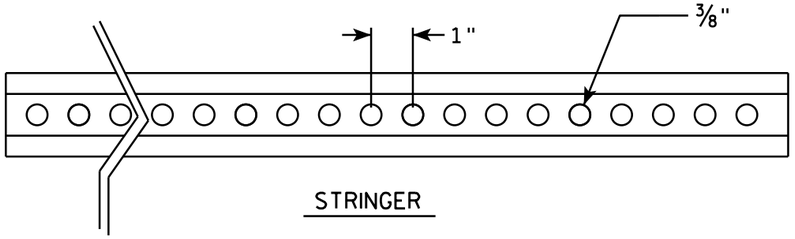
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 225	E



GENERAL NOTES

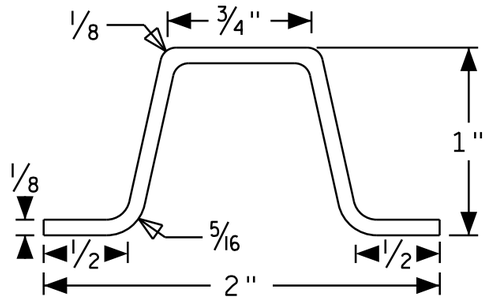
- ALL SIGNS OVER 60" IN WIDTH SHALL HAVE A 3" RADIUS ON THE OUTSIDE CORNERS OF THE ALUMINUM BLANK.
- MOUNTING HOLES SHALL BE 7/16" DIAMETER.
- SEE CHART FOR HOLE SPACING REQUIREMENTS
- FOR SIGN PANELS WITH DIMENSION (H) 36" AND OVER, DIMENSION E SHALL BE 6"
- FOR SIGN PANELS WITH DIMENSION (H) UNDER 36", DIMENSION E SHALL BE 4"
- SIGN STRINGER MATERIAL SHALL CONSIST OF STEEL CHANNEL POST SECTIONS, WEIGHING 1.12 LBS/FT IN ACCORDANCE WITH SECTION 633.2.1 OF THE STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION.
- SEE SIGN PLATE A4-8 FOR SIGN STRINGER BOLTING REQUIREMENTS.

SIGN WIDTH	STRINGER WIDTH	POSTS	HOLE SPACING	MOUNTING HOLES
78"	72"	2	16"	15" 31" 47" 63"
84"	72"	2	17"	16½" 33½" 50½" 67½"
90"	72"	2	18"	18" 36" 54" 72"
96"	90"	2	19"	19½" 38½" 57½" 76½"
102"	90"	2	20"	21" 41" 61" 81"
108"	90"	2	21"	22½" 43½" 64½" 85½"
114"	108"	3	15"	12" 27" 42" 57" 72" 87" 102"
120"	108"	3	16"	12" 28" 44" 60" 76" 92" 108"
126"	108"	3	17"	12" 29" 46" 63" 80" 97" 114"
132"	126"	3	18"	12" 30" 48" 66" 84" 102" 120"
138"	126"	3	19"	12" 31" 50" 69" 88" 107" 126"
144"	126"	3	20"	12" 32" 52" 72" 92" 112" 132"

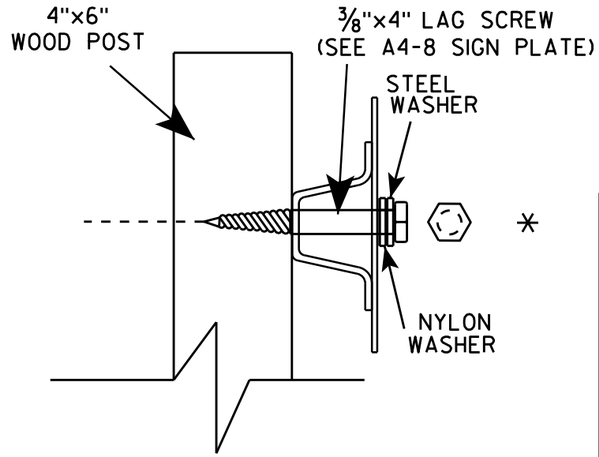


STRINGER

CROSS SECTION VIEW OF CHANNEL



POST MOUNTING



SIGN STRINGER MOUNTING REQUIREMENTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

for State Traffic Engineer

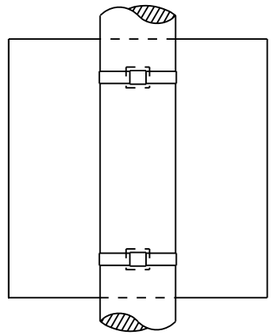
DATE 4/26/16 PLATE NO A4-18.1

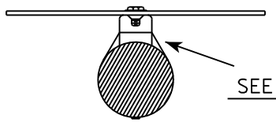
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A418.dgn PLOT DATE : 27-APR-2016 13:56 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 41.805205:1.000000 WISDOT/CADDS SHEET 42

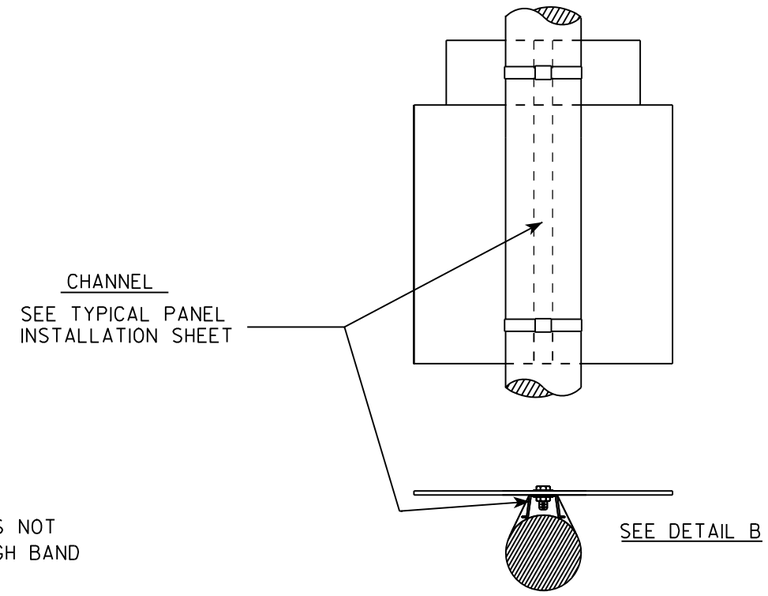
BANDING

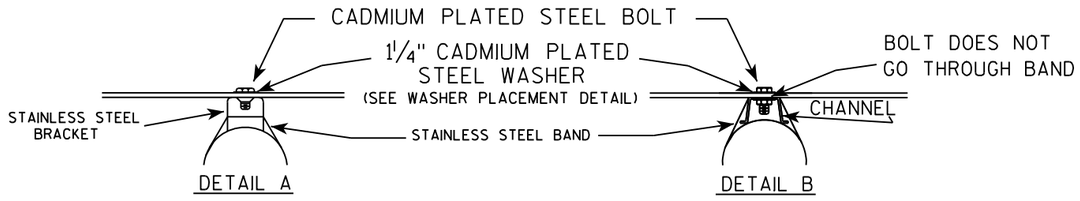
SINGLE SIGN



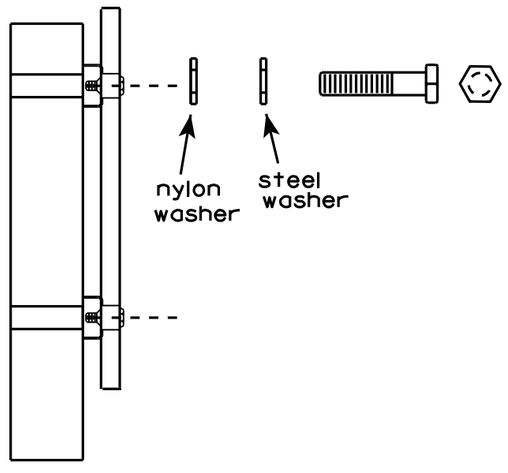


"J" ASSEMBLY





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 ¾" in width and 0.025" thickness.

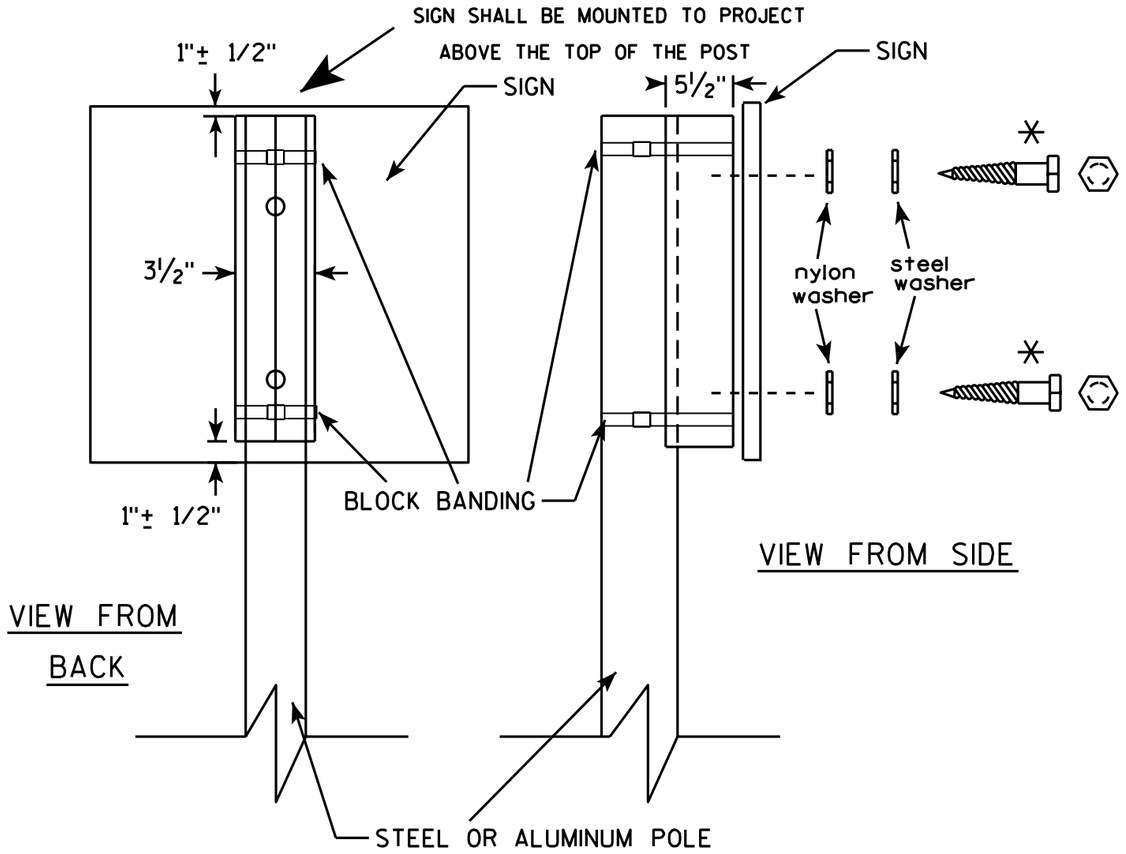
STANDARD SIGN
SIGN BANDING DETAILS

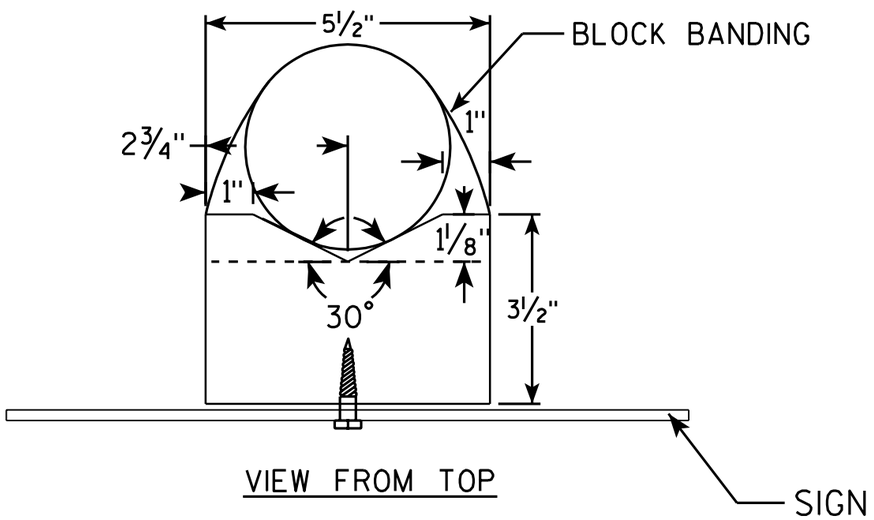
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/16/13 PLATE NO. A5-9.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 227	E





GENERAL NOTES

1. WOOD 4"X6" POST MATERIAL SHALL CONFORM TO 507.2.2 OF THE WisDOT STANDARD SPECIFICATIONS
2. BLOCK BANDING AND CLIPS SHALL BE STAINLESS STEEL, ¾" WIDTH AND 0.025" THICKNESS
3. SIGNS 3' OR GREATER IN HEIGHT SHALL UTILIZE 3 BLOCK BANDS. SIGNS UNDER 3' IN HEIGHT SHALL UTILIZE 2 BLOCK BANDS
4. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA, BUT NORNALLY THERE ARE TWO. FOR SIGNS GREATER THAN 9 S.F. 3 FASTENERS SHALL BE USED.
5. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D, or
   b. Cadmium plated in accordance with ASTM Designation : B 766 TYPE 3, Class 12, or
   c. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.
6. ALL BOLTS SHALL HAVE HEXAGONAL HEADS.
7. STEEL WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X 1/16"
8. NYLON WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X .080 FOR TYPE H OR TYPE F FACE SIGN

✳ LAG BOLTS SHALL BE ⅜" X 2½"

BLOCK BANDING DETAIL (V-BLOCK OPTION)

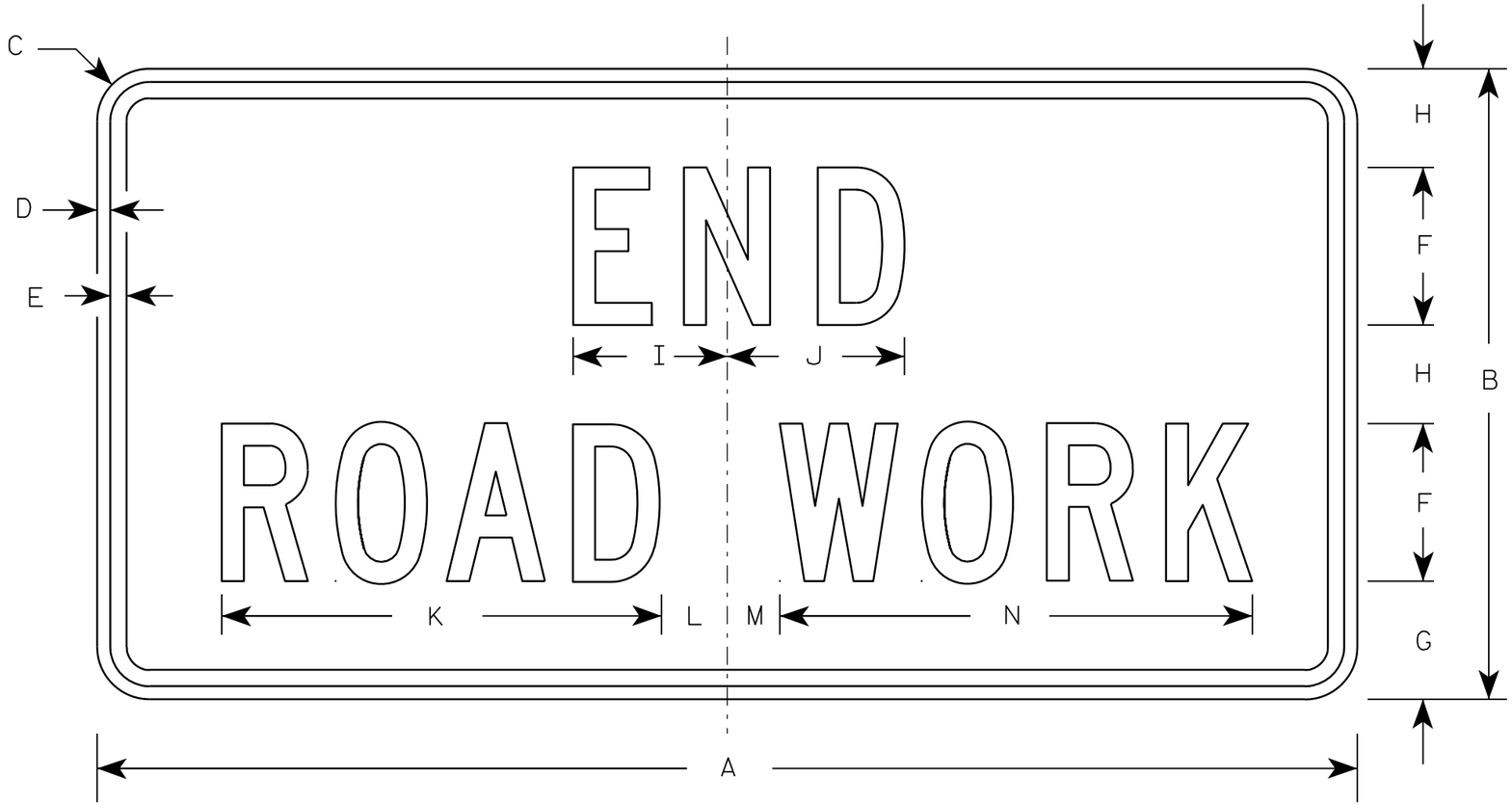
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/12/07 PLATE NO. A5-10.1

PROJECT NO:

SHEET NO: 228 E



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

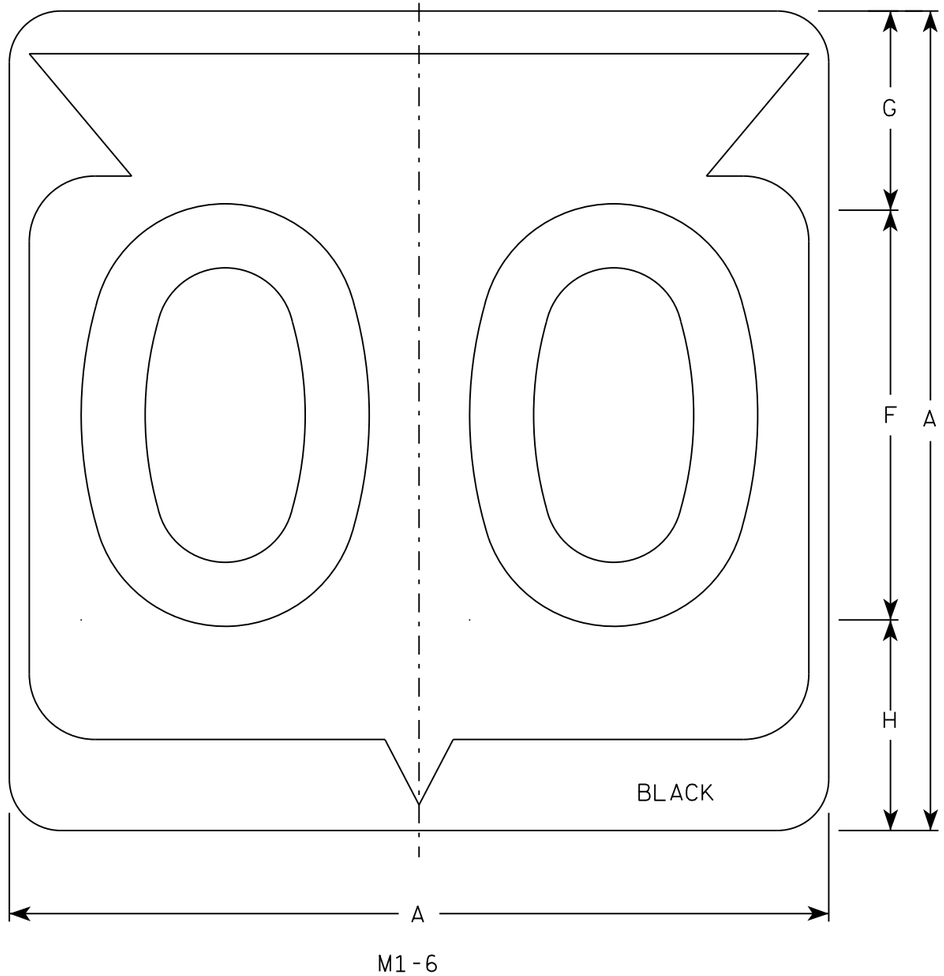
STANDARD SIGN
G20-2A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/30/09 PLATE NO. G20-2A.8

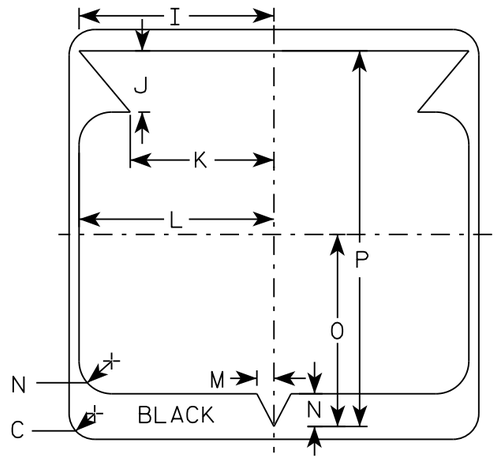
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 229	E



M1-6

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D except 3 number signs 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																											
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
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
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
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

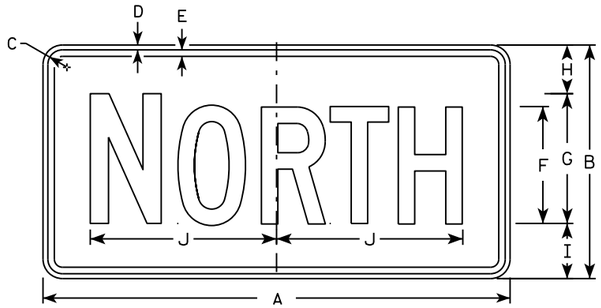
STATE ROUTE MARKER M1-6 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

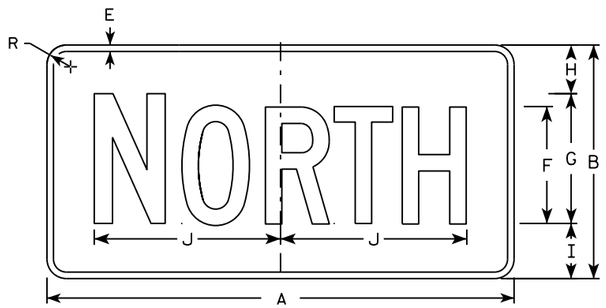
APPROVED Matthew R Rauch for State Traffic Engineer

DATE 3/16/18 PLATE NO. M1-6.10

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 230 E



M3-1
MM3-1
MP3-1



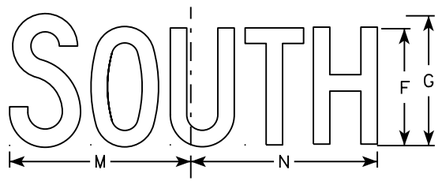
MB3-1
MK3-1
MN3-1



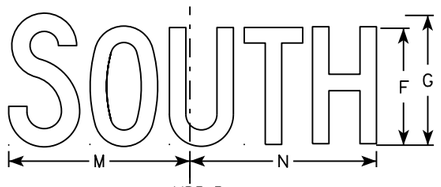
M3-2
MM3-2
MP3-2



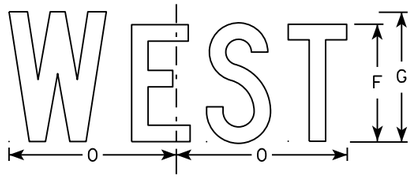
MB3-2
MK3-2
MN3-2



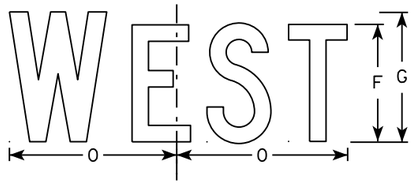
M3-3
MM3-3
MP3-3



MB3-3
MK3-3
MN3-3



M3-4
MM3-4
MP3-4



MB3-4
MK3-4
MN3-4

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
   MP3-1 thru MP3-4 Background - White
   Message - Blue
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

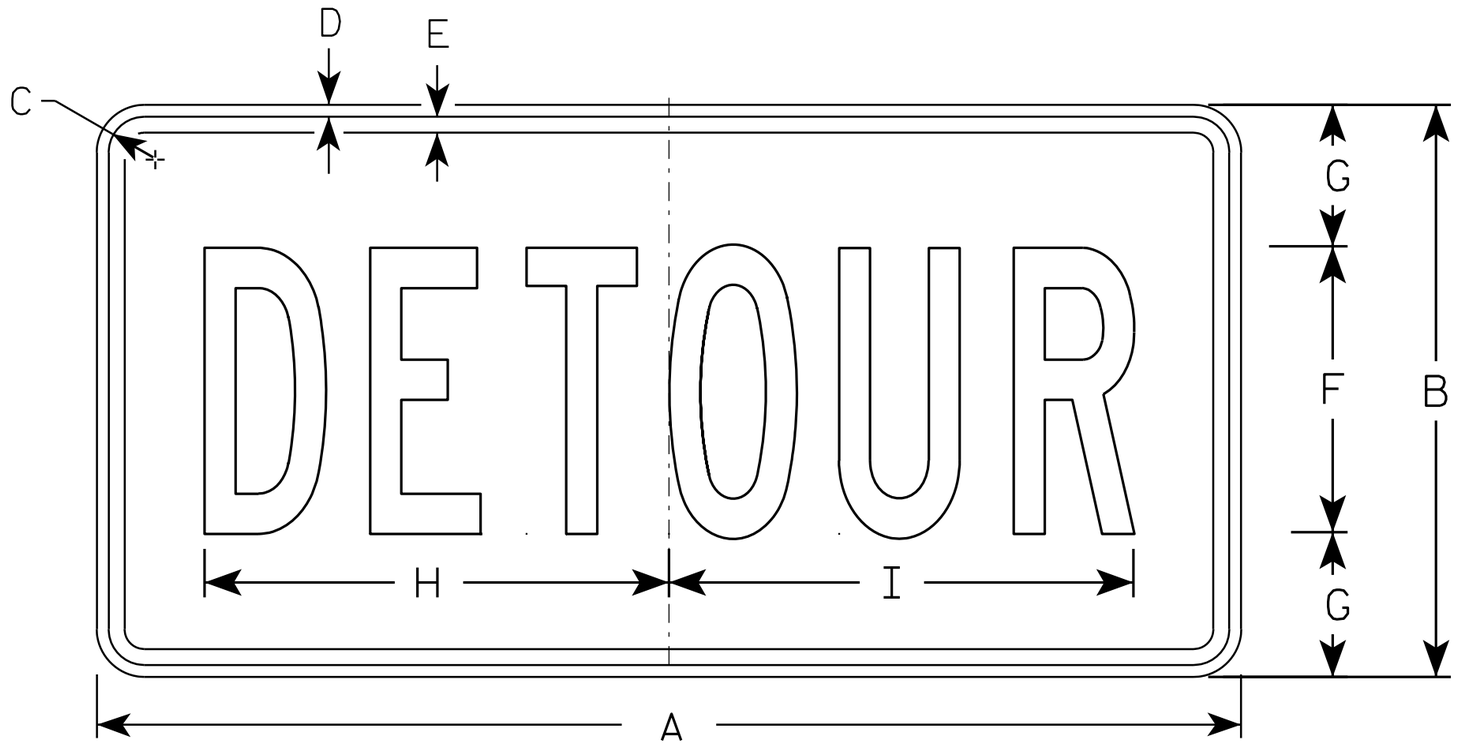
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew P Rauch for State Traffic Engineer

DATE 10/15/15 PLATE NO M3-1.14

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M31.DGN PLOT DATE : 01-DEC-2015 17:54 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



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																											

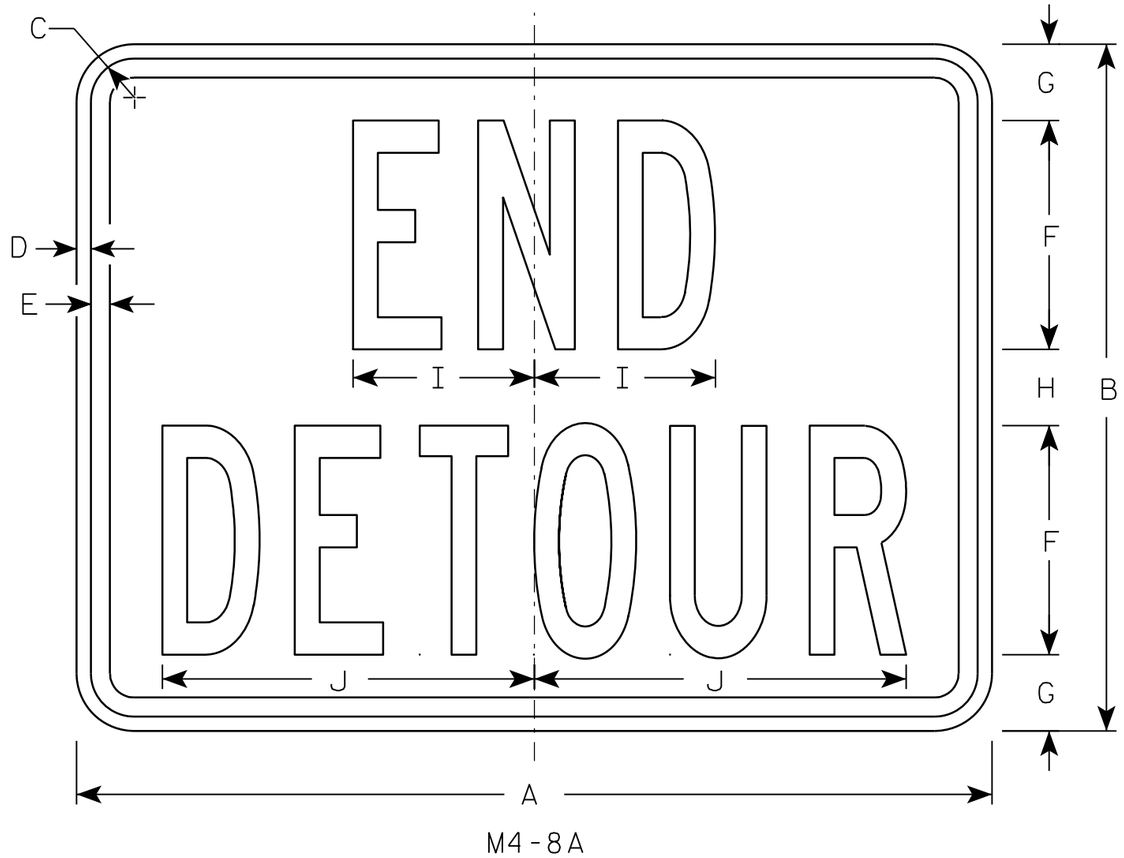
STANDARD SIGN
M4-8

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: 232	E



M4-8A

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	18	1 1/8	3/8	1/2	6	2	2	4 3/4	9 3/4																	3.0
3	30	24	1 1/8	3/8	1/2	8	2 1/2	3	6 3/4	13																	5.0
4																											
5																											

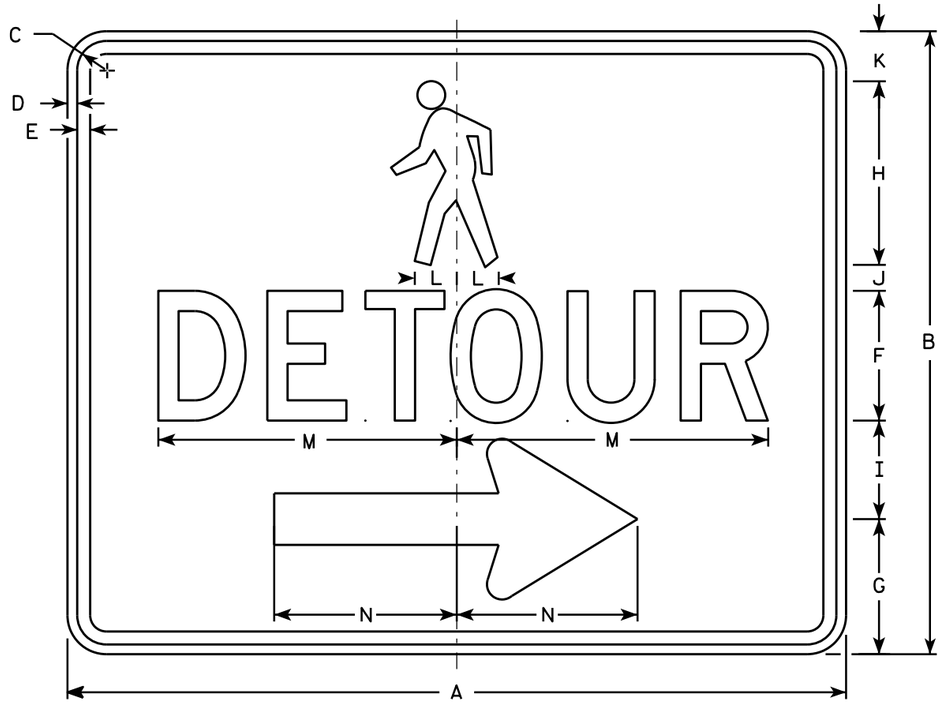
STANDARD SIGN
M4-8A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/9/11 PLATE NO. M4-8A.2

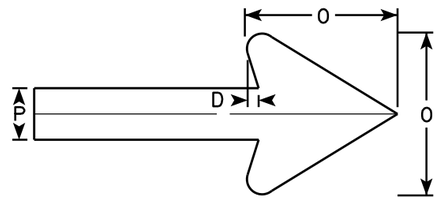
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 233	E



M4-9BR

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 - 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. M4-9BL is the same as M4-9BR except the arrow is reversed.



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																											
2	30	24	1 1/8	3/8	1/2	5	5 1/4	7 1/8	3 3/4	1	1 1/8	1 5/8	11 3/4	7	6	2											5.00
3																											
4																											
5																											

STANDARD SIGN
M4-9B L&R

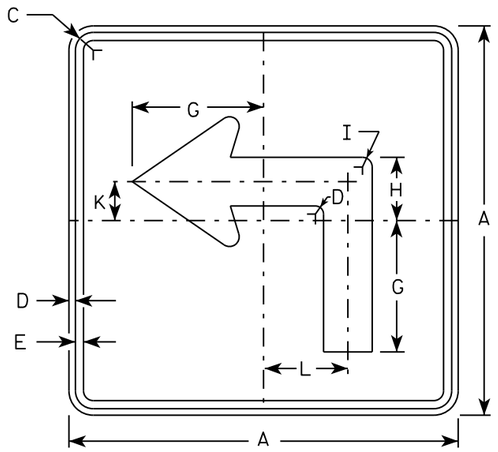
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

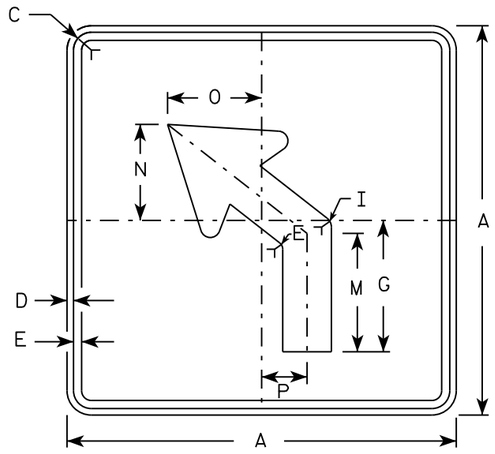
DATE 9/30/13 PLA... M4-9B.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

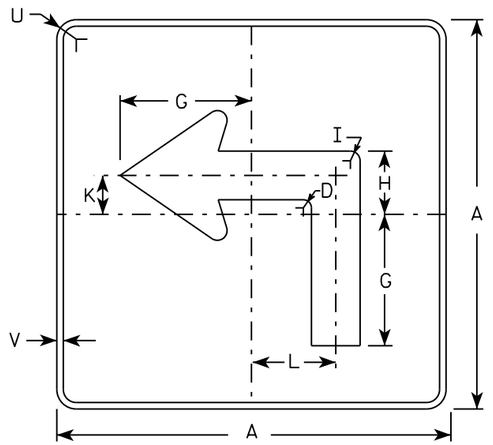
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M49B.DGN PLOT DATE : 01-OCT-2013 13:44 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 5.837526:1.000000 WISDOT/CADDS SHEET 42



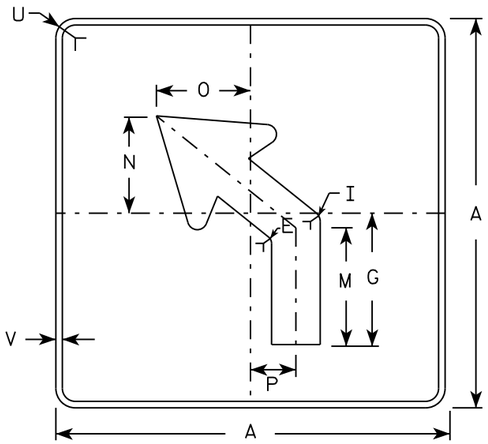
M5-1L
MM5-1L
MO5-1L
MP5-1L



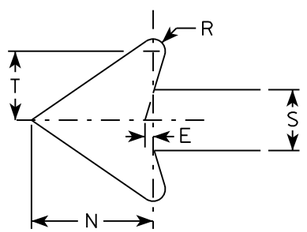
M5-2L
MM5-2L
MO5-2L
MP5-2L



MB5-1L
MK5-1L
MN5-1L
MR5-1L



MB5-2L
MK5-2L
MN5-2L
MR5-2L



NOTES

1. Signs are Type II - Type H reflective 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. M5-1 and M5-2 Background - White
   Message - Black
   MB5-1 and MB5-2 Background - Blue
   Message - White
   MK5-1 and MK5-2 Background - Green
   Message - White
   MM5-1 and MM5-2 Background - White
   Message - Green
   MN5-1 and MN5-2 Background - Brown
   Message - White
   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
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 7/8	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 7/8	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 7/8	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

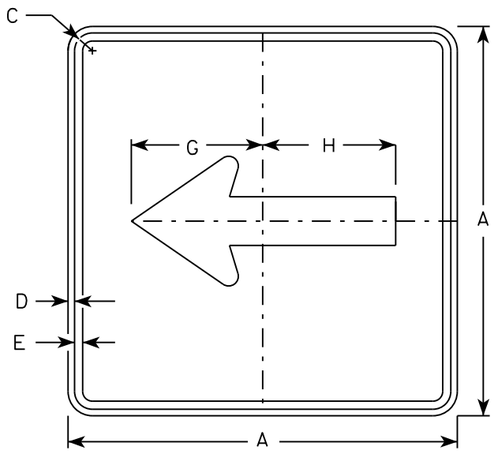
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

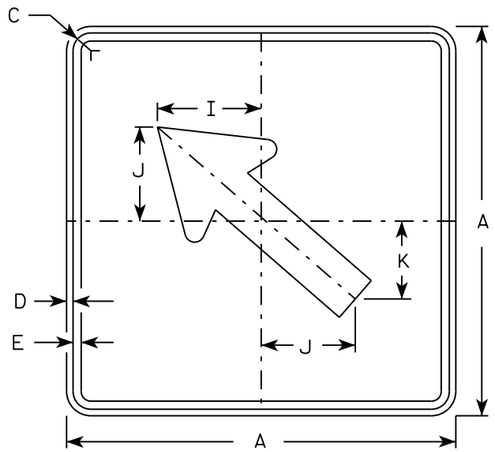
DATE 10/15/15 PLATE NO. M5-1.13

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M51.DGN PLOT DATE : 01-DEC-2015 18:07 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



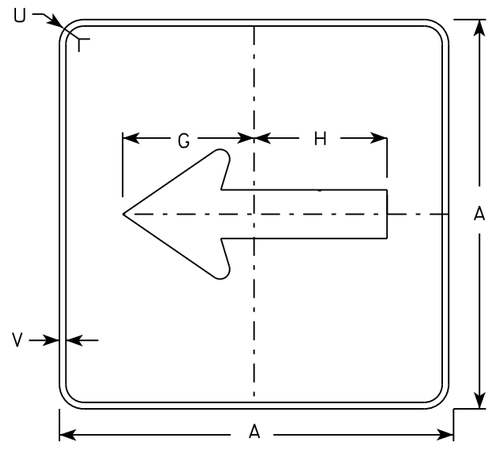
M6-1
MM6-1
MO6-1
MP6-1



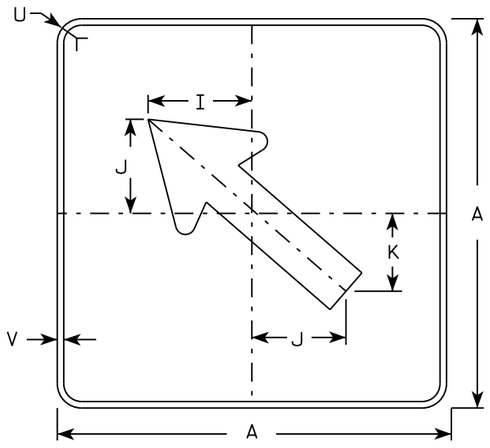
M6-2
MM6-2
MO6-2
MP6-2

NOTES

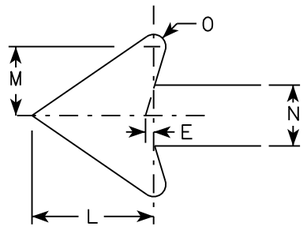
1. Signs are Type II - Type H except as Shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-1 and M6-2 Background - White
   Message - Black
   MB6-1 and MB6-2 Background - Blue
   Message - White
   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
MK6-1
MN6-1
MR6-1



MB6-2
MK6-2
MN6-2
MR6-2



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

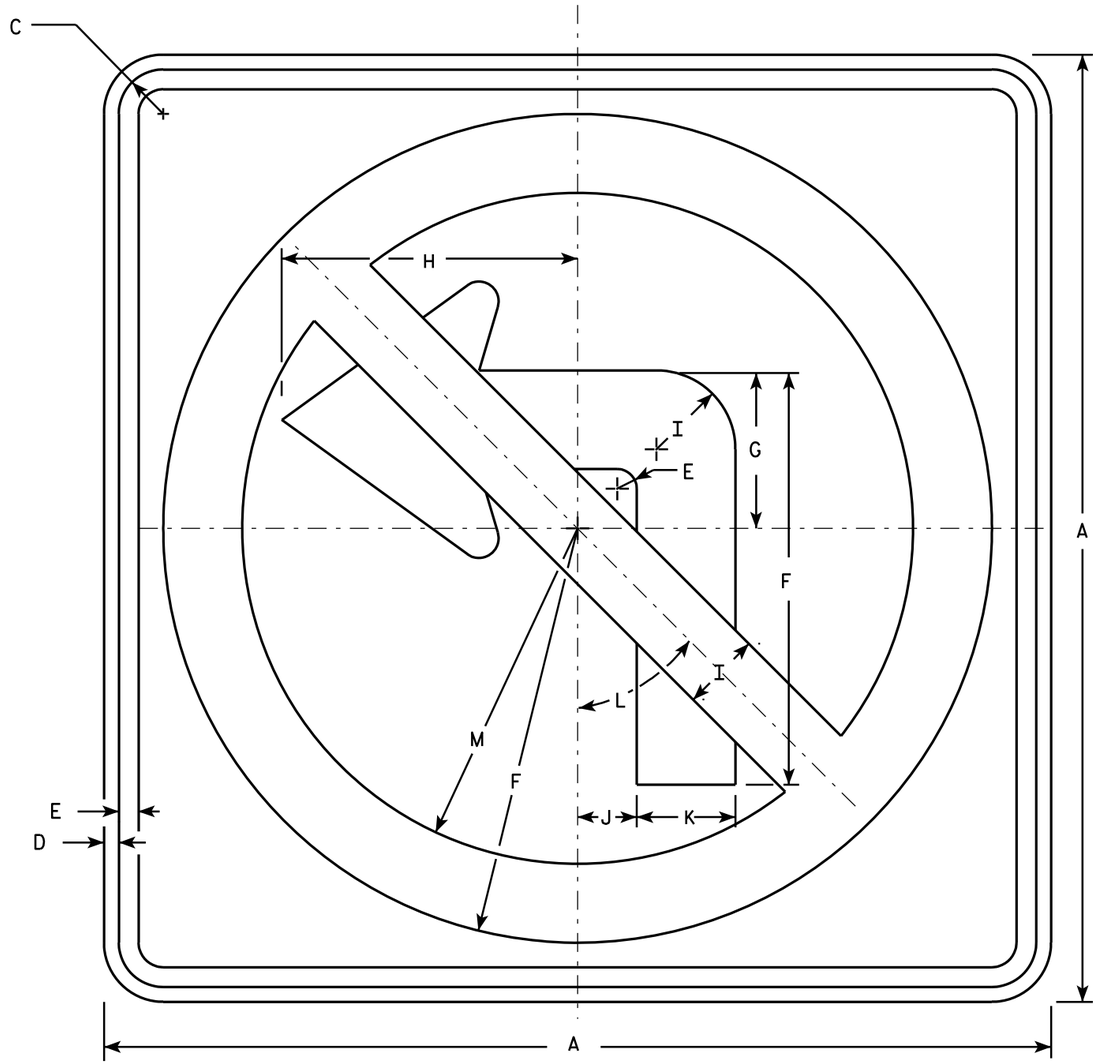
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/15/15 PLATE 236 M6-1.15

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

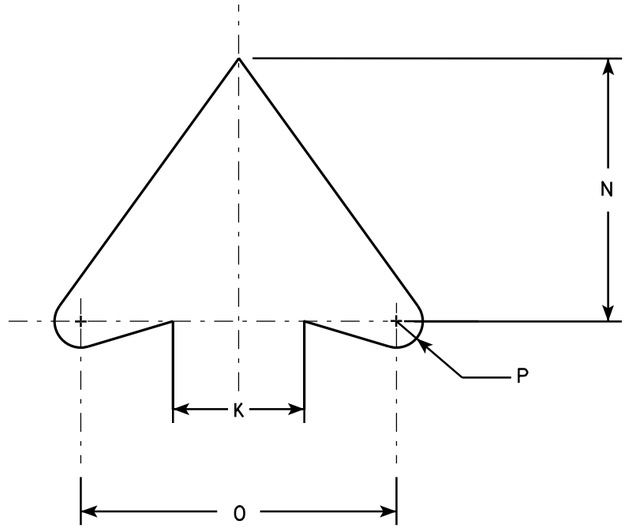
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M61.DGN PLOT DATE : 01-DEC-2015 17:57 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



R3-2

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 - 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 & Arrow are non reflective black, the circle with diagonal bar is reflective red.



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	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2											4.0
2S	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2											4.0
2M	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
3	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
4	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
5	48		2 1/4	3/4	1	21	8	15	4	3	5	45°	17	10	12	1											16.0

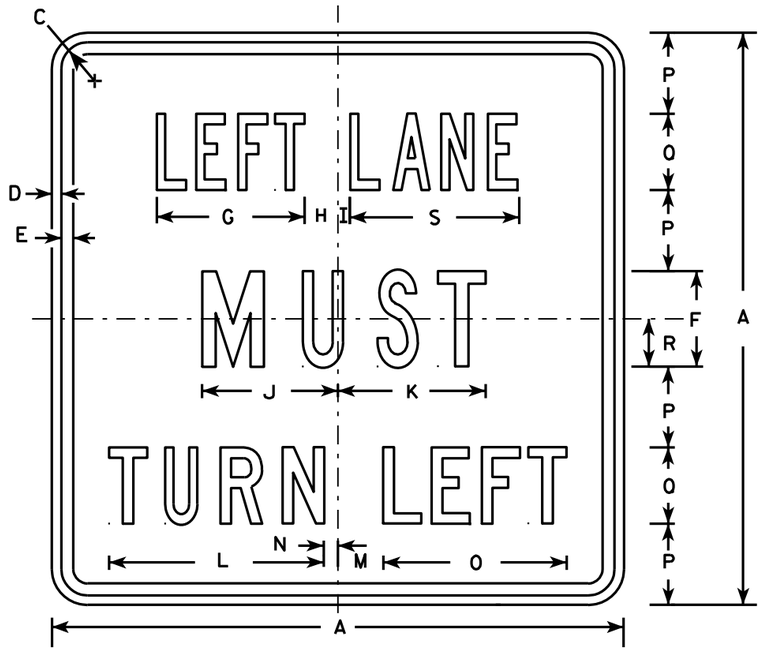
STANDARD SIGN
R3-2

WISCONSIN DEPT OF TRANSPORTATION

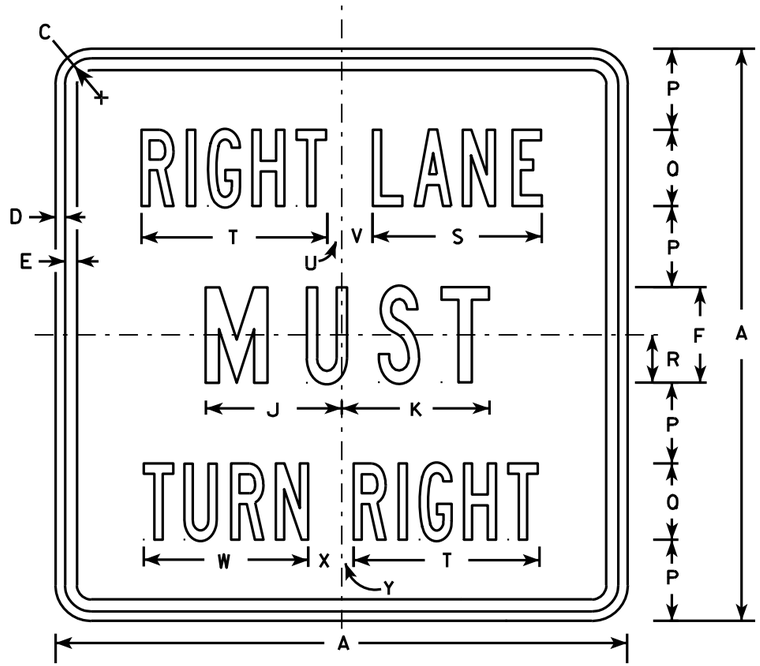
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/08/10 PLATE NO. R3-2.10

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 237	E



R3-7L



R3-7R

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 - Line 1 is Series B.
   Line 2 is Series C.
   Line 3 on plate R3-7R is Series B and Series C on plate R3-7L.
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

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	5	7 3/4	1 3/4	5/8	7 1/8	7 3/4	11 1/4	2 3/8	3/4	9 5/8	4 1/4	4	2 1/2	8 7/8	9 3/4	3/4	1 5/8	8 5/8	1 5/8	5/8		6.25
2S	30		1 3/8	1/2	5/8	5	7 3/4	1 3/4	5/8	7 1/8	7 3/4	11 1/4	2 3/8	3/4	9 5/8	4 1/4	4	2 1/2	8 7/8	9 3/4	3/4	1 5/8	8 5/8	1 5/8	5/8		6.25
2M	30		1 3/8	1/2	5/8	5	7 3/4	1 3/4	5/8	7 1/8	7 3/4	11 1/4	2 3/8	3/4	9 5/8	4 1/4	4	2 1/2	8 7/8	9 3/4	3/4	1 5/8	8 5/8	1 5/8	5/8		6.25
3	36		1 5/8	5/8	3/4	6	9 5/8	2	1 1/8	8 3/4	9	13 1/2	3 7/8	1 1/2	12 1/2	5	5	3	10 5/8	12	7/8	2 1/4	10 5/8	2 1/8	1		9.00
4	48		2 1/4	3/4	1	8	13 1/2	2 3/8	1 1/2	11 1/2	11 7/8	17 3/4	3 5/8	2 1/2	16 3/8	6 1/2	7	4	14 3/8	16 7/8	5/8	3 1/4	15 1/8	2 3/4	1 1/8		16.00
5																											

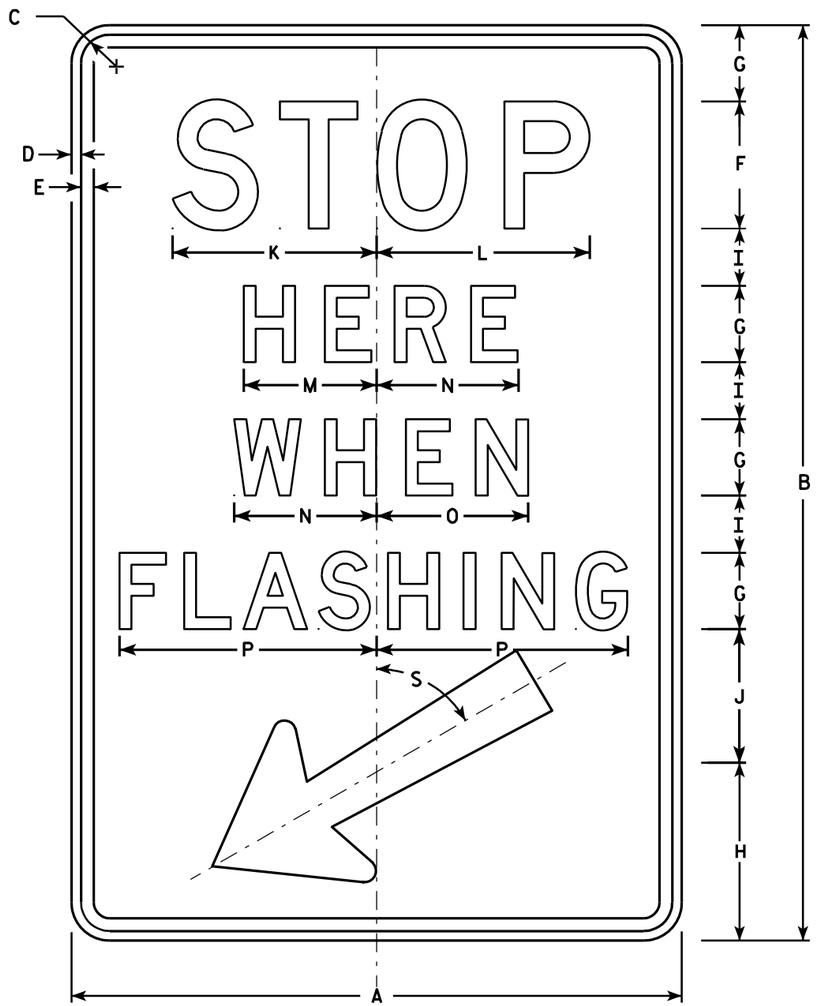
STANDARD SIGN
R3-7L & R3-7R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

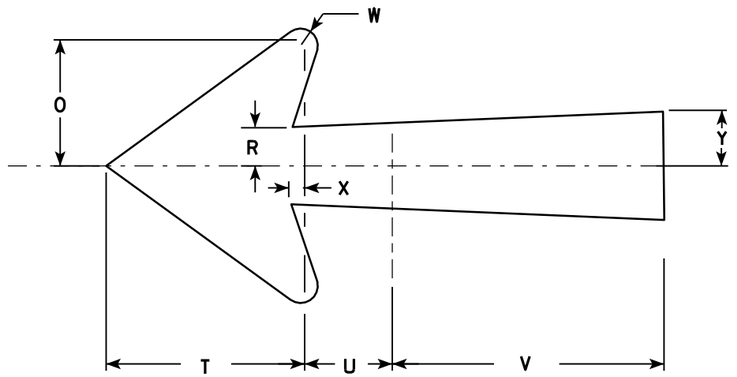
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 238 | E



R8-10

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.



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	5	3	7	2 1/4	5 1/4	8	8 3/8	5 1/4	5 5/8	6	10											6.0
2M	24	36	1 1/8	3/8	1/2	5	3	7	2 1/4	5 1/4	8	8 3/8	5 1/4	5 5/8	6	10											6.0
3																											
4																											
5																											

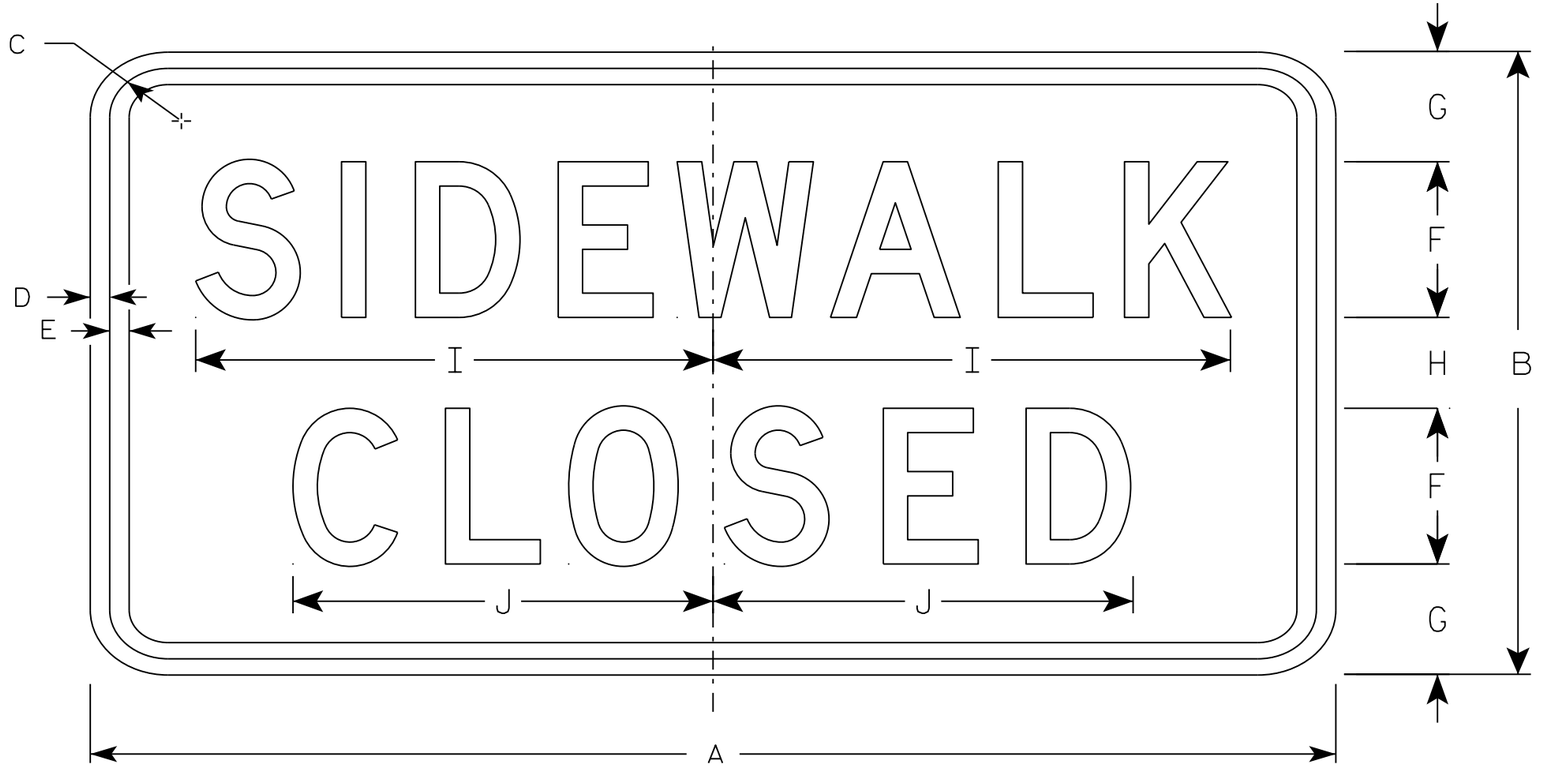
STANDARD SIGN
R8-10

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/31/2011 PLATE NO. R8-10.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 239 | 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.
5. Use Size 2 for Sidewalks. Use Size 3 for Paths and Trails.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 3/4	1/2	1/2	3	2 1/8	1 3/4	10	8 1/8																	2.0
2M	24	12	1 3/4	1/2	1/2	3	2 1/8	1 3/4	10	8 1/8																	2.0
3	30	18	1 3/4	1/2	1/2	4	3 1/2	3	12 1/2	10 1/4																	3.75
4																											
5																											

STANDARD SIGN
R9-9

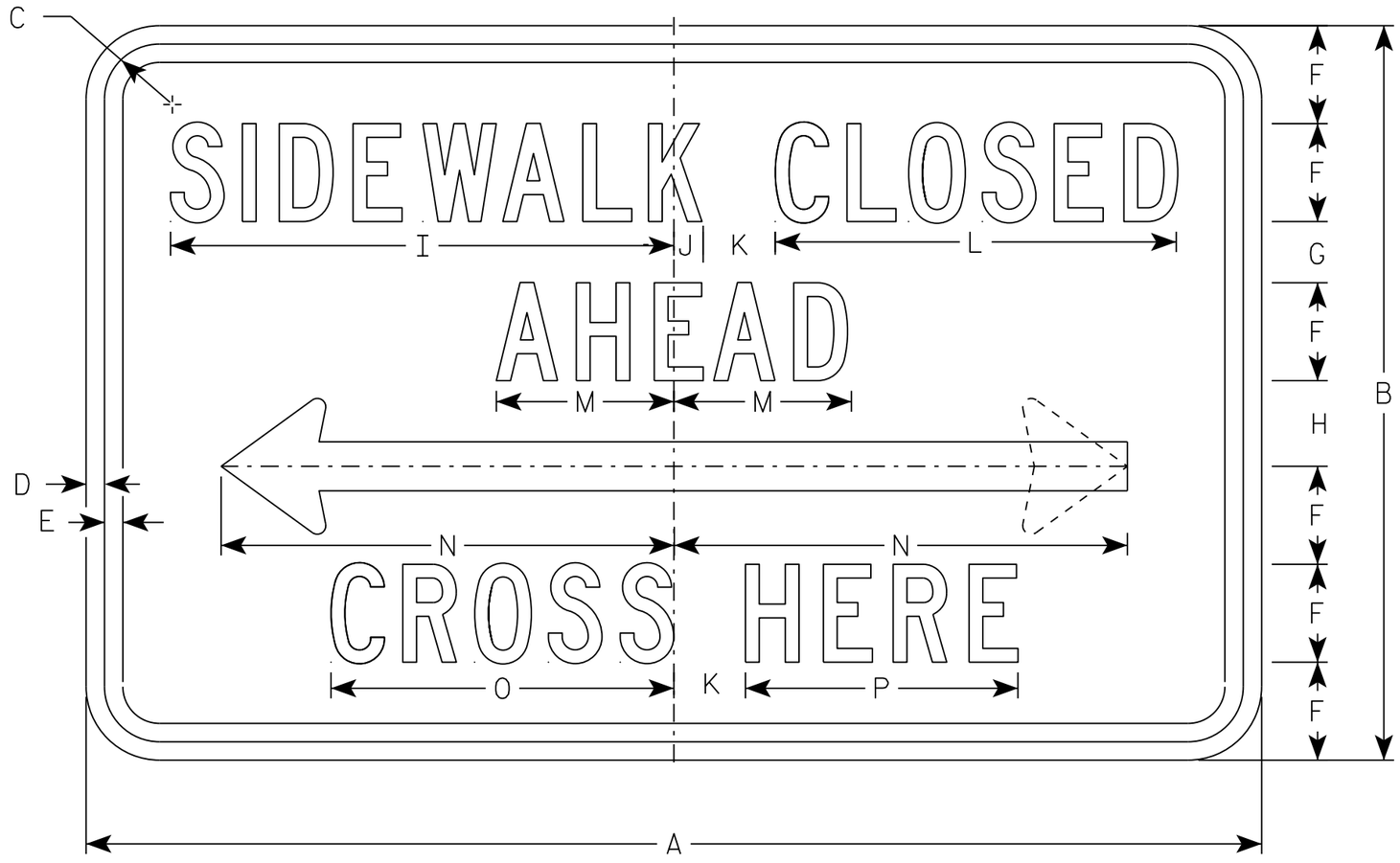
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

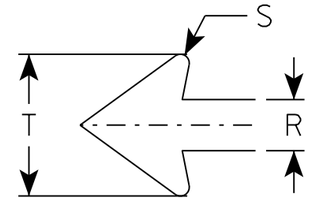
DATE 8/11/16 PLATE 240 R9-9.6

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\R99.DGN PLOT DATE : 11-AUG-2016 11:33 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 2.918761:1.000000



R9-11



NOTES

1. Sign is Type II - Type H Reflective
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.
5. Use Size 2 for Sidewalks. Use Size 3 for Paths and Trails.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 1/8	3/8	3/8	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
2M	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
3	30	15	1 1/8	3/8	1/2	2	1 1/2	1 1/2	13	3/4	2	10 1/4	4 5/8	12 3/8	8 7/8	6 7/8		1 1/4	1/4	3 5/8							3.125
4																											
5																											

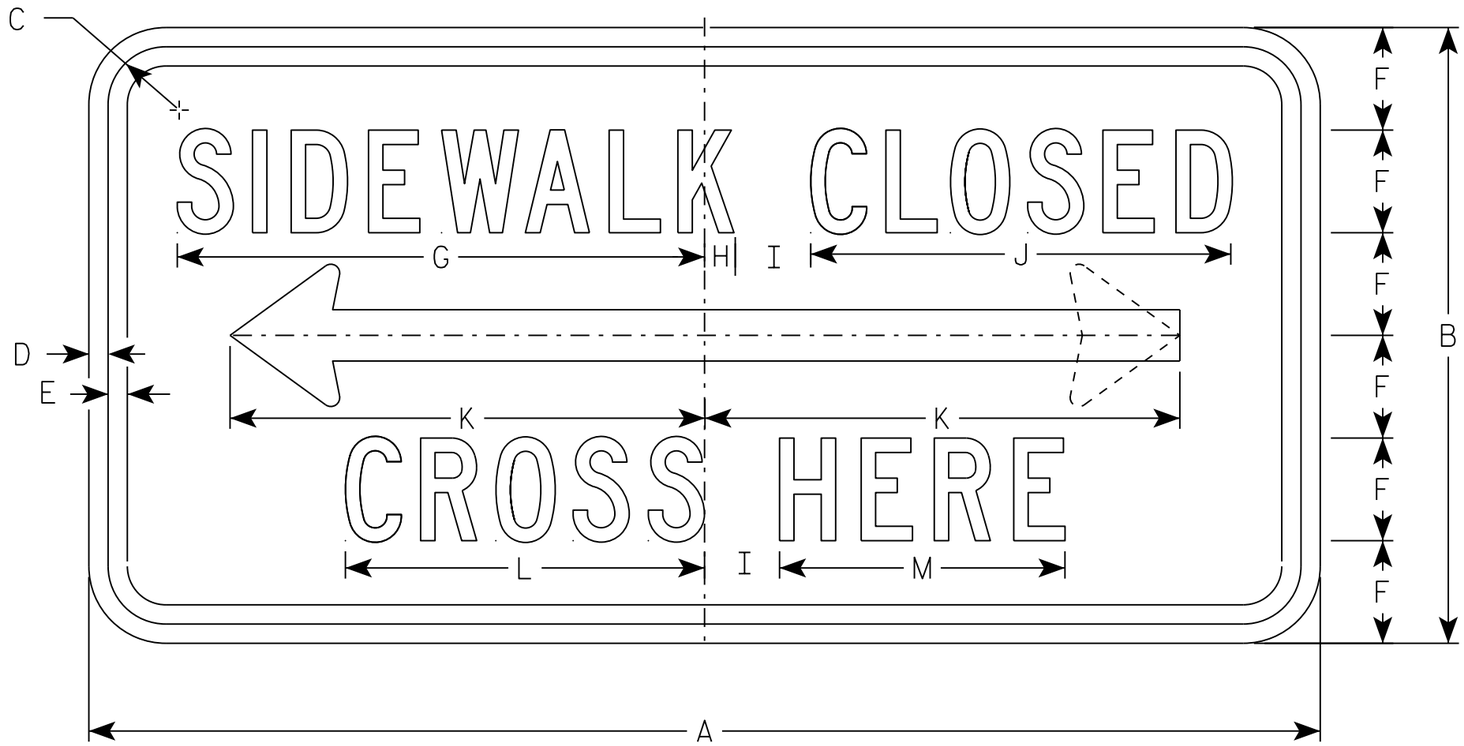
STANDARD SIGN
R9-11

WISCONSIN DEPT OF TRANSPORTATION

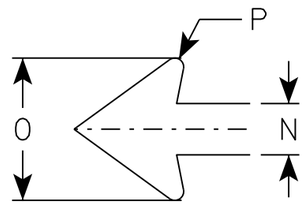
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/29/16 PLATE NO. R9-11.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 241	E



R9-11A



NOTES

1. Sign is Type II - Type H Reflective
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.
5. Use Size 2 for Sidewalks. Use Size 3 for paths and Trails.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 1/8	3/8	3/8	2	10 1/4	5/8	1 1/2	8 1/4	9 1/4	7	5 5/8	1	2 3/4	1/8											2.0
2M	24	12	1 1/8	3/8	3/8	2	10 1/4	5/8	1 1/2	8 1/4	9 1/4	7	5 5/8	1	2 3/4	1/8											2.0
3	30	15	1 1/8	3/8	1/2	2	13	3/4	2	10 1/4	12 3/8	8 7/8	6 7/8	1 1/4	3 5/8	1/4											3.125
4																											
5																											

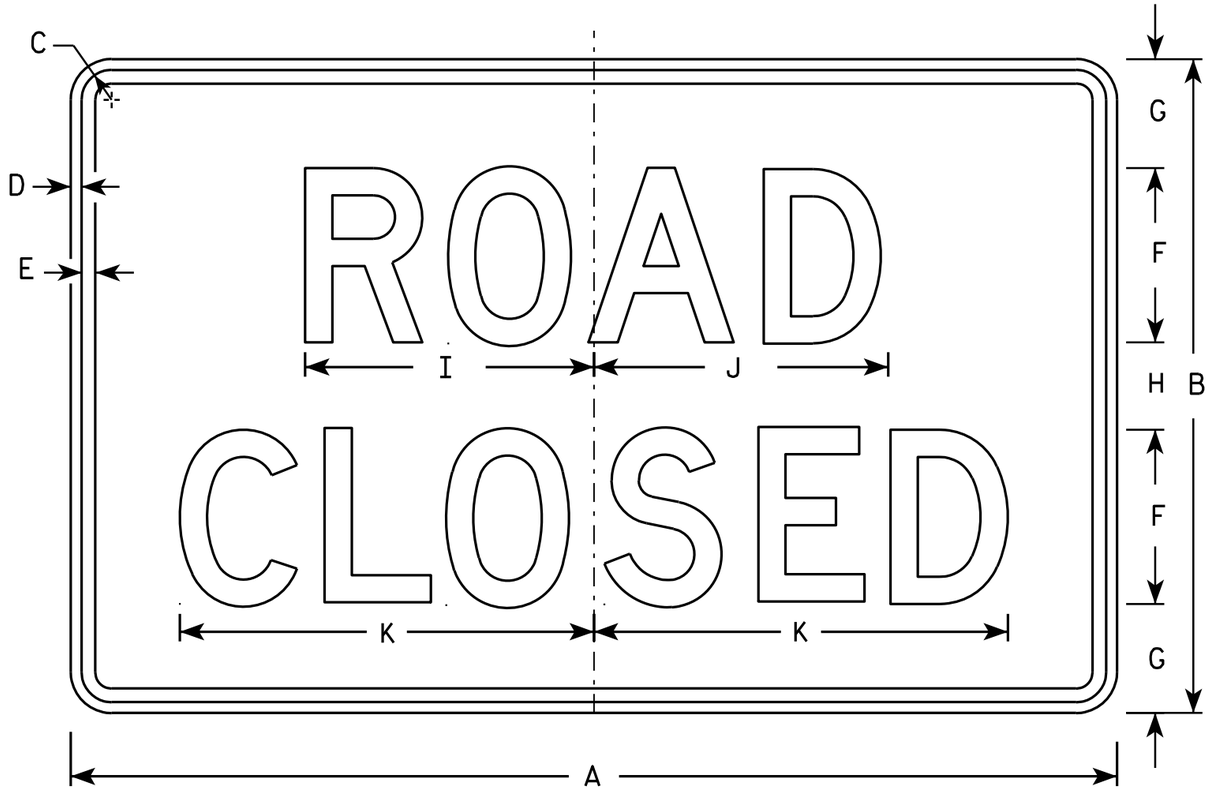
STANDARD SIGN
R9-11A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/29/16 PLATE NO. R9-11A.3

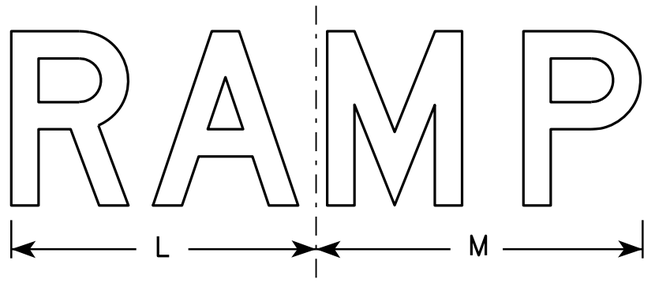
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 242 E



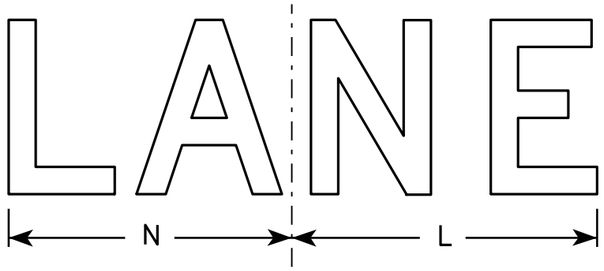
R11-2

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

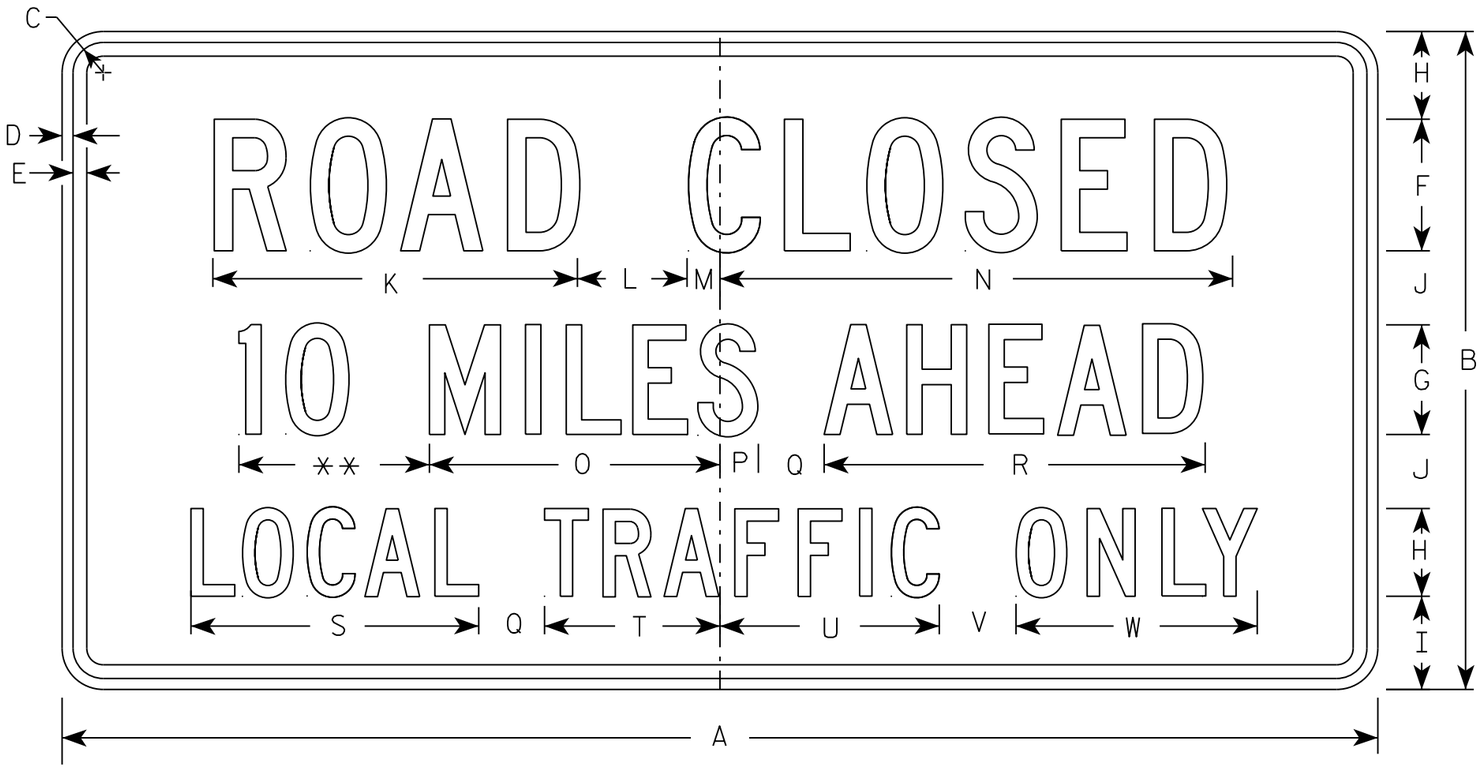
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/1/11 PLATE NO. R11-2.10

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 243	E

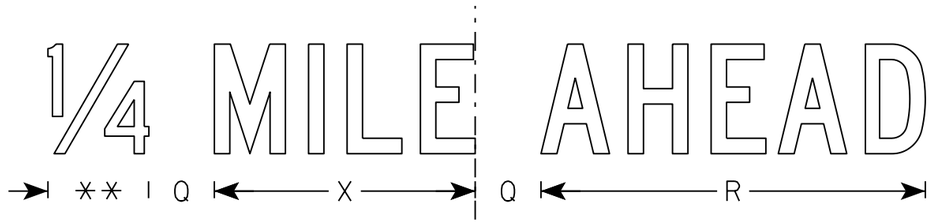
NOTES

1. Sign is Type II - Type H Reflective
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.
5. Substitute appropriate numerals to nearest quarter mile and optically adjust spacing to achieve proper balance.



R11-3

** See Note 5



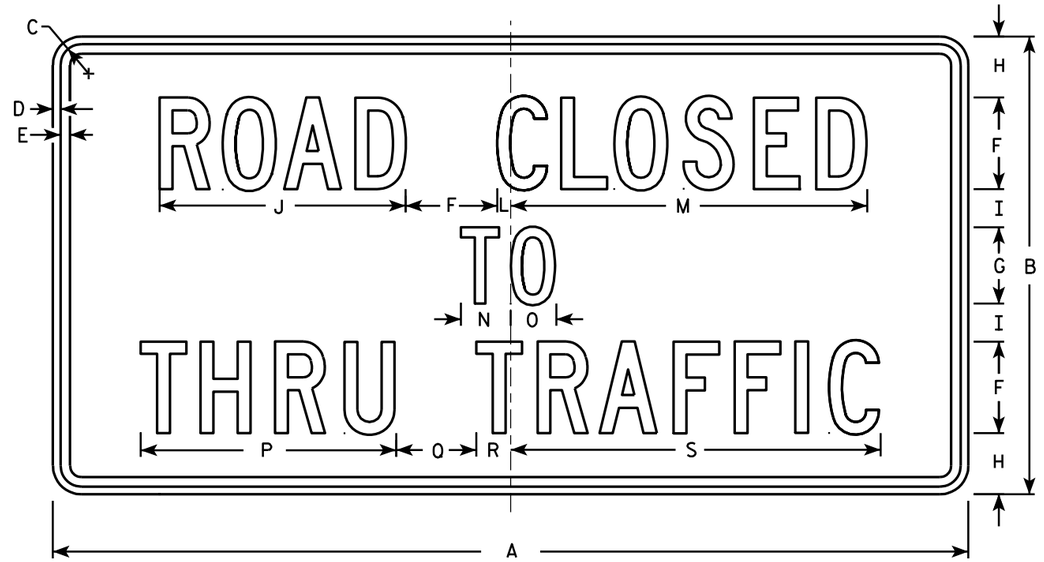
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	18	1 3/8	1/2	5/8	4	3	2 1/2	2	2	11 1/8	3	1 1/8	15 1/4	8	1 1/2	2	10 3/4	8 3/8	4 3/4	6 1/2	2	6 3/4	7 1/8			4.5
2S	60	30	1 3/8	1/2	5/8	6	5	4	4 1/4	3 3/8	16 5/8	5	1 1/2	23	13 1/4	1 3/4	3	17 3/8	13 1/8	8	10	3 1/2	11	11 7/8			12.5
2M	60	30	1 3/8	1/2	5/8	6	5	4	4 1/4	3 3/8	16 5/8	5	1 1/2	23	13 1/4	1 3/4	3	17 3/8	13 1/8	8	10	3 1/2	11	11 7/8			12.5
3																											
4																											
5																											

STANDARD SIGN
R11-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer
DATE 3/15/17 PLATE NO. R11-3.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 244	E



R11-4

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - 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	60	30	1 3/8	1/2	5/8	6	5	4	2 1/2	16 1/8		7/8	23 3/8	3 1/4	3	16 3/4	5 1/4	2 1/4	24 1/4								12.5
2M	60	30	1 3/8	1/2	5/8	6	5	4	2 1/2	16 1/8		7/8	23 3/8	3 1/4	3	16 3/4	5 1/4	2 1/4	24 1/4								12.5
3																											
4																											
5																											

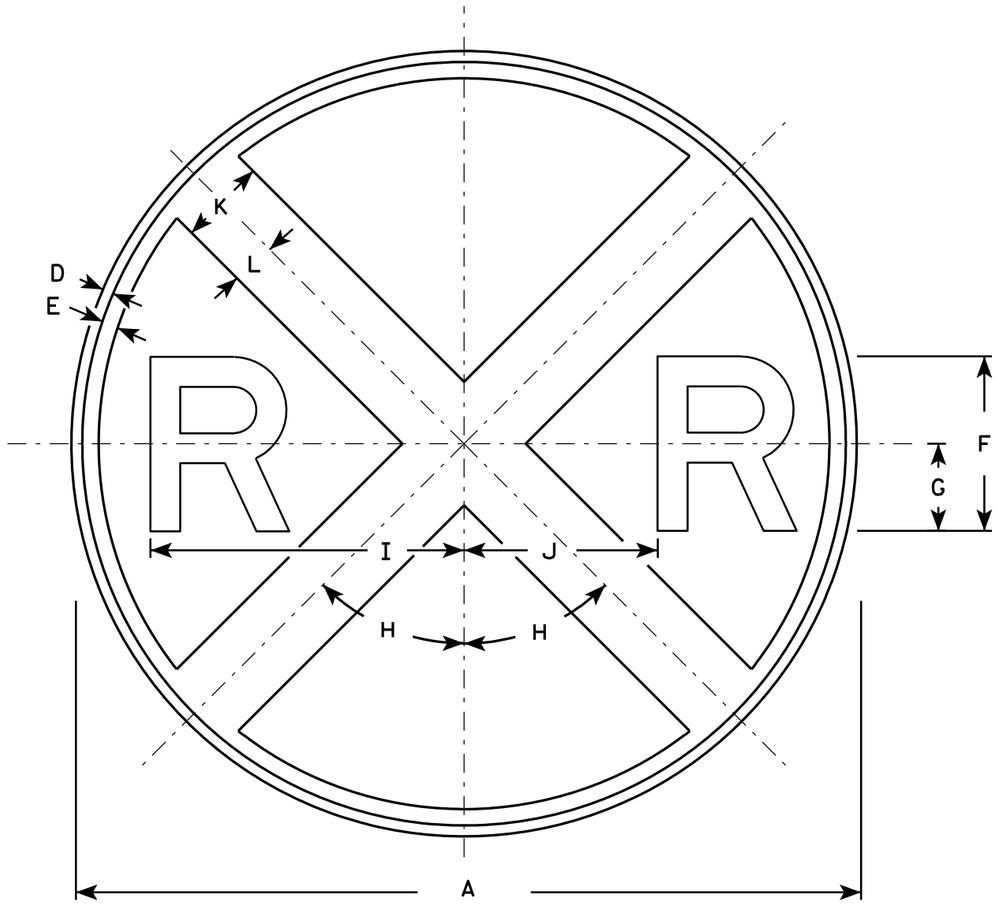
STANDARD SIGN
R11 - 4

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 4/1/11 PLATE NO. R11-4.3

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 245 | E



W10-1

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
   Message - Black
3. Message Series - E

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30			3/8	5/8	7	3 1/2	45°	12 3/8	7 1/8	3	1 1/2															4.91
2S	36			5/8	3/4	8	4	45°	14 3/8	8 5/8	4	2															7.07
2M	36			5/8	3/4	8	4	45°	14 3/8	8 5/8	4	2															7.07
3																											
4	48			3/4	1 1/4	10	5	45°	18 3/8	11 5/8	5	2 1/2															12.57
5																											

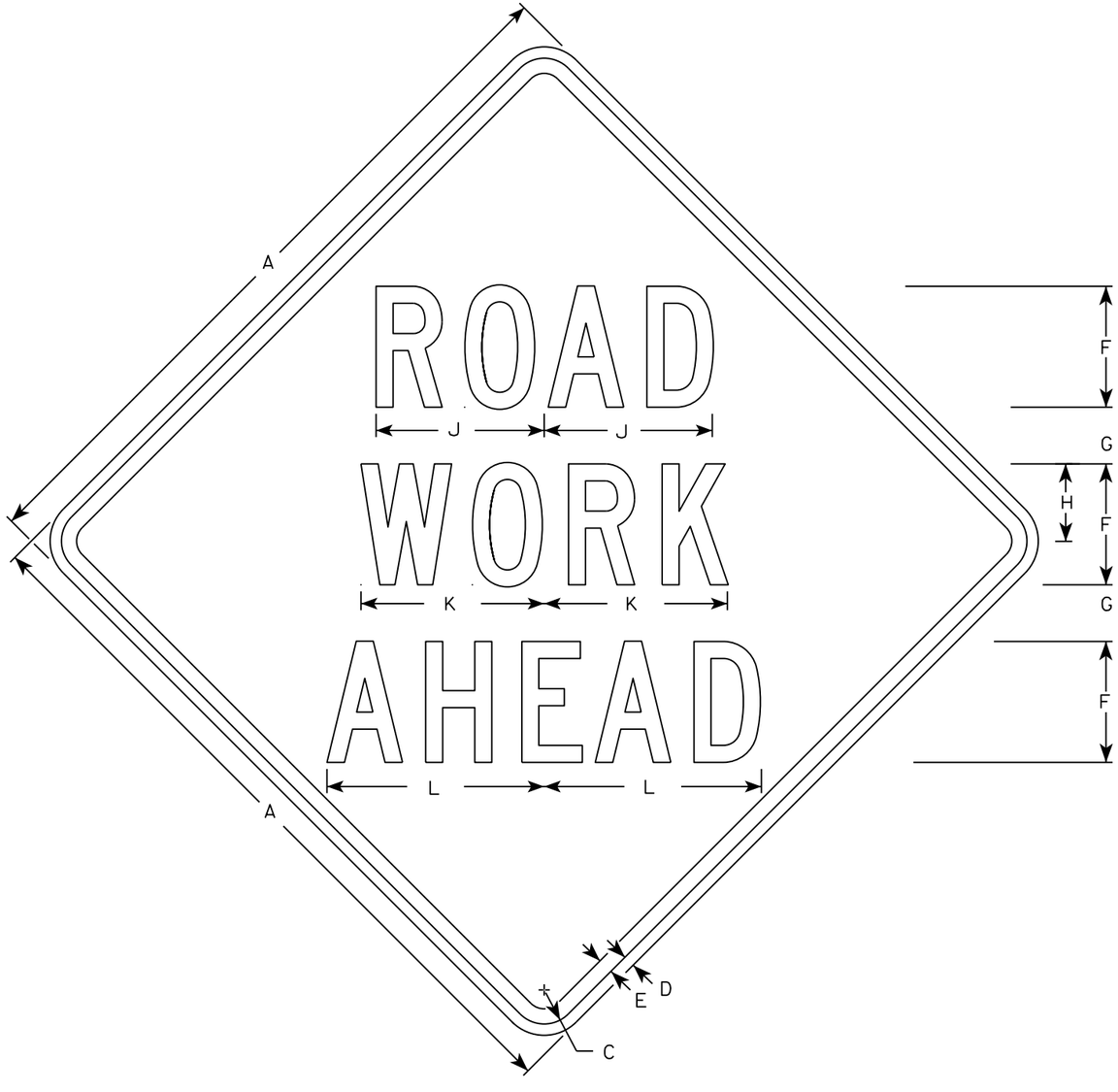
STANDARD SIGN
W10-1

WISCONSIN DEPT OF TRANSPORTATION

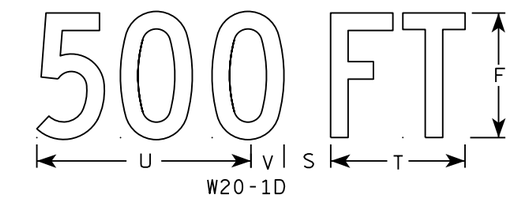
APPROVED Matthew R Rauch for State Traffic Engineer

DATE 3/13/13 PLATE NO. W10-1.8

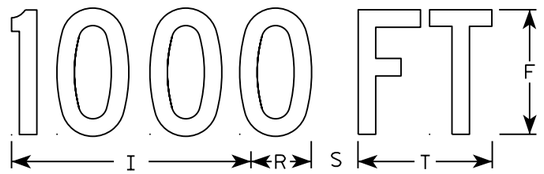
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 246	E



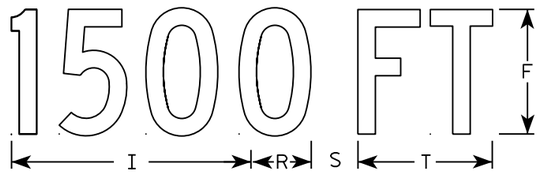
W20-1A



W20-1D



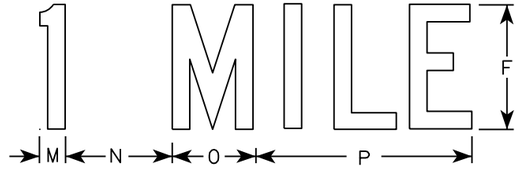
W20-1C



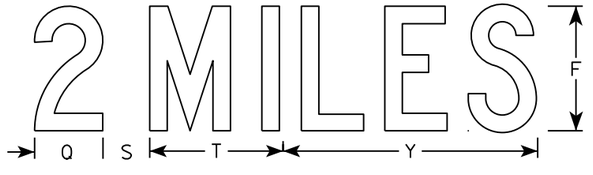
W20-1B



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

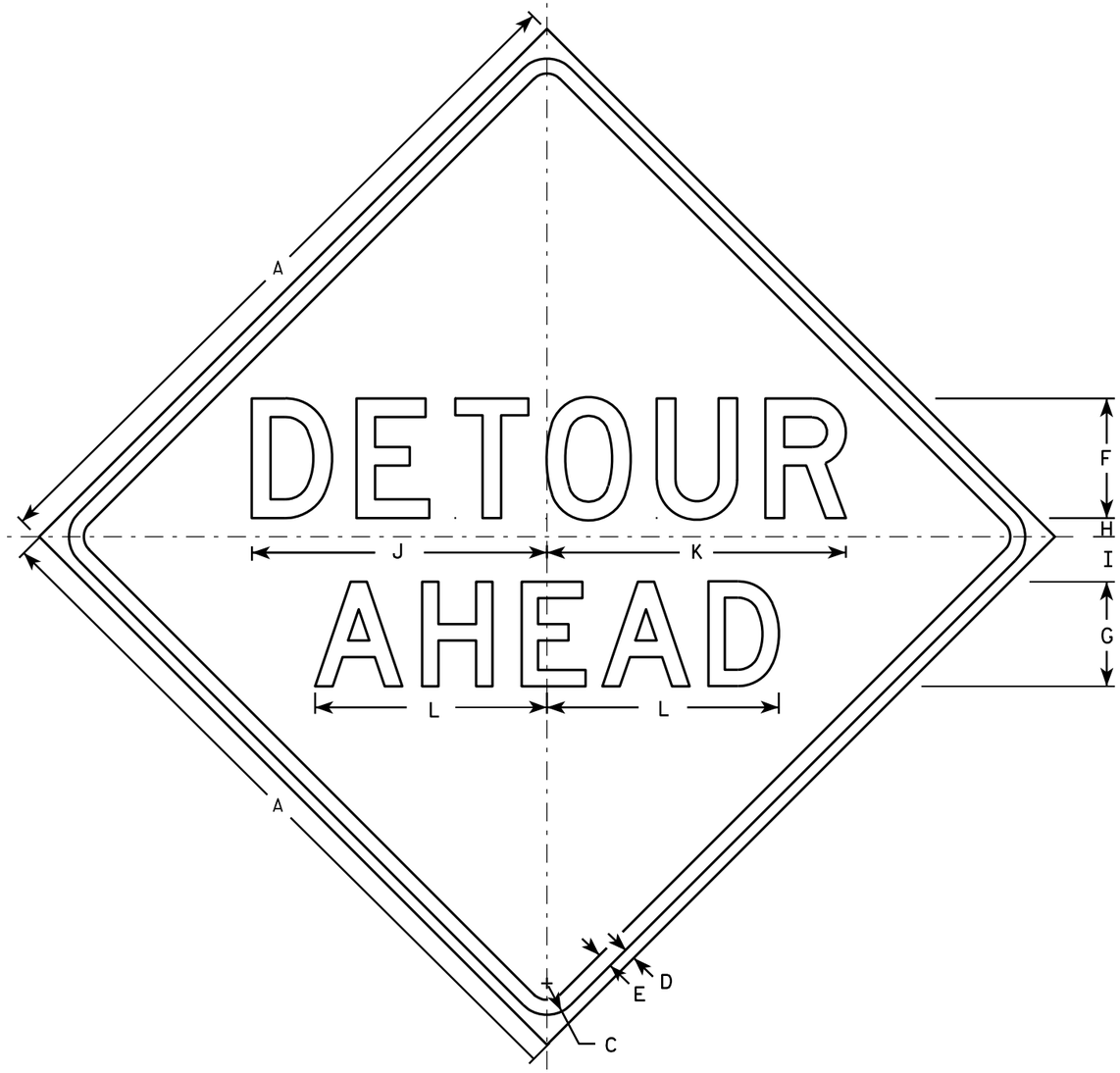
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/07/15 PLATE NO. W20-1.10

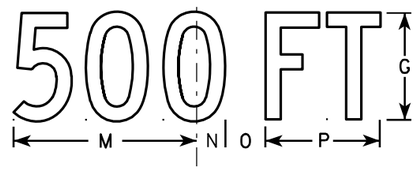
PROJECT NO:

SHEET NO: E

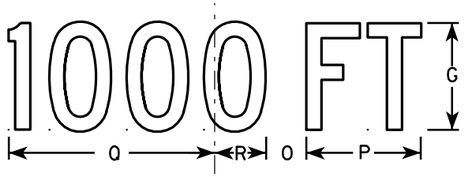
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W201.DGN PLOT DATE : 01-DEC-2015 18:24 PLOT BY : $$ plotuser $$



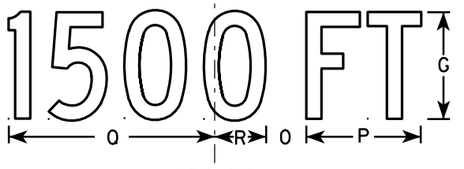
W20-2A



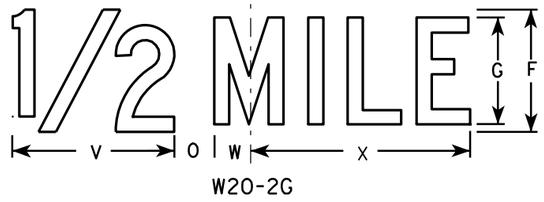
W20-2D



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	O	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

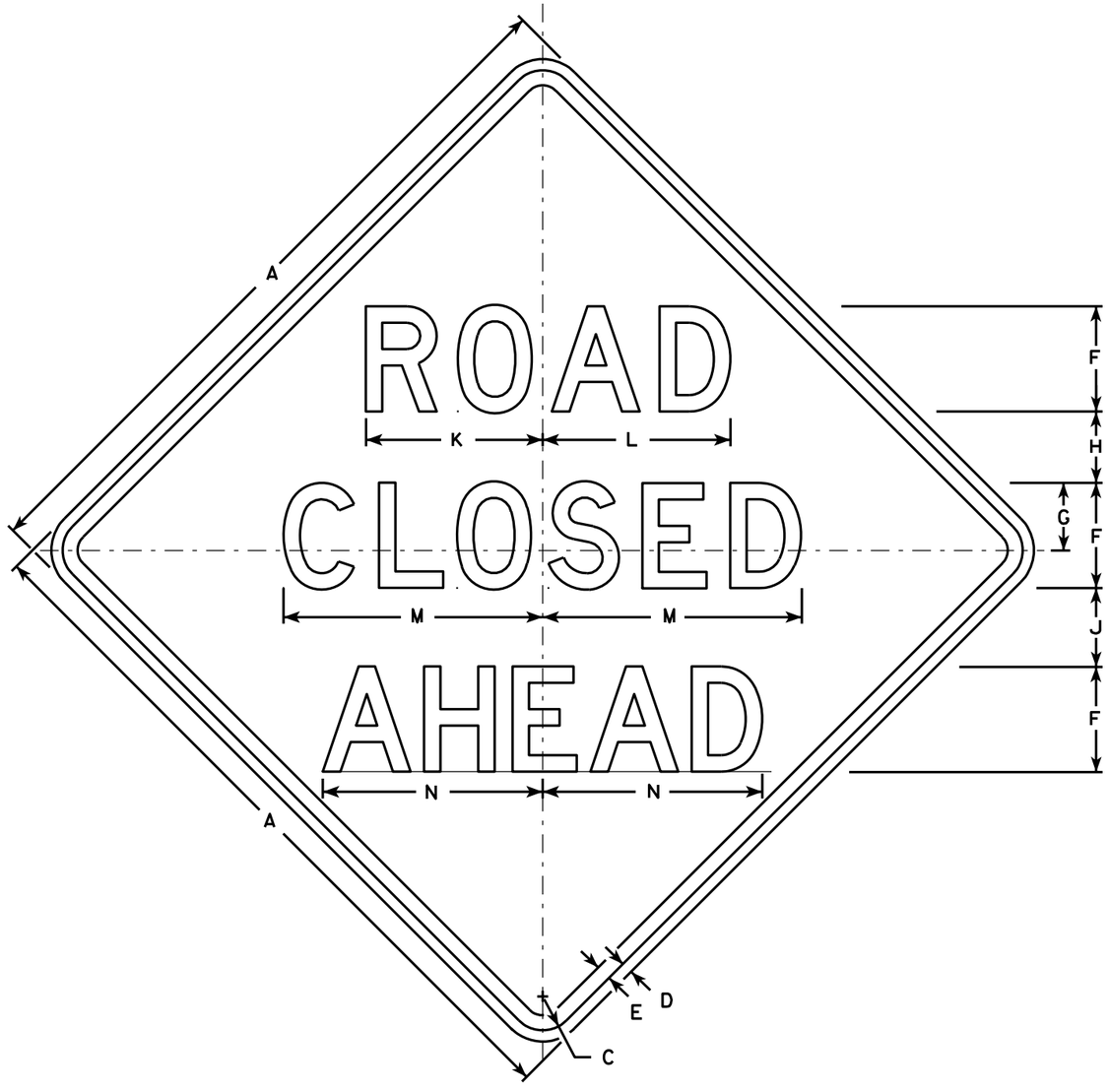
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

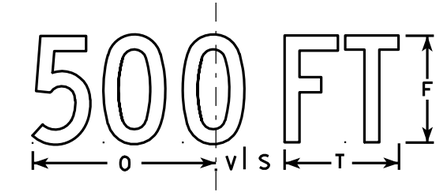
DATE 3/18/11 PLATE NO. W20-2.6

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 248 | E

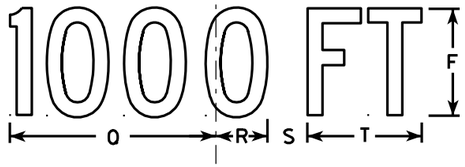
FILE NAME : C:\Users\PROJECTS\tr_stdplate\W202.DGN PLOT DATE : 18-MAR-2011 10:00 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 9.931739:1.000000
WISDOT/CADDS SHEET 42



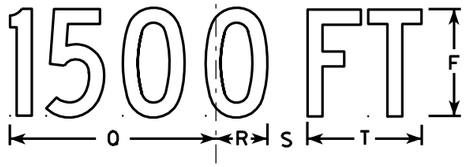
W20-3A



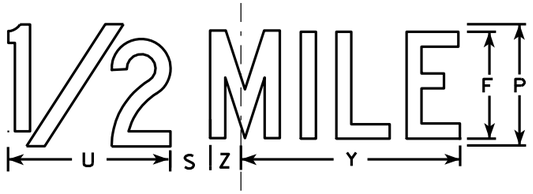
W20-3D



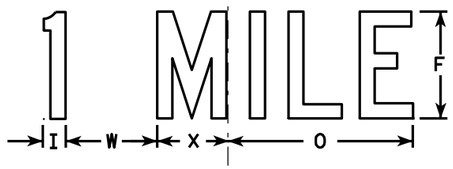
W20-3C



W20-3B



W20-3G



W20-3F

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. Lines 1 and 2 are Series D.
   Line 3 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	5	3 3/8	3 1/2	1 1/8	4	8 3/8	8 7/8	12 1/2	11	9	6	10 1/8	2 1/2	1 7/8	5 5/8	8	1 3/8	4 1/2	3 1/2	10 3/4	1 3/4	9.0
2S	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
2M	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
3	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
4	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
5	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0

STANDARD SIGN
W20-3A, B, C, D, F & G

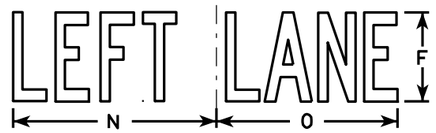
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer
DATE 3/18/11 PLATE NO. W20-3.7

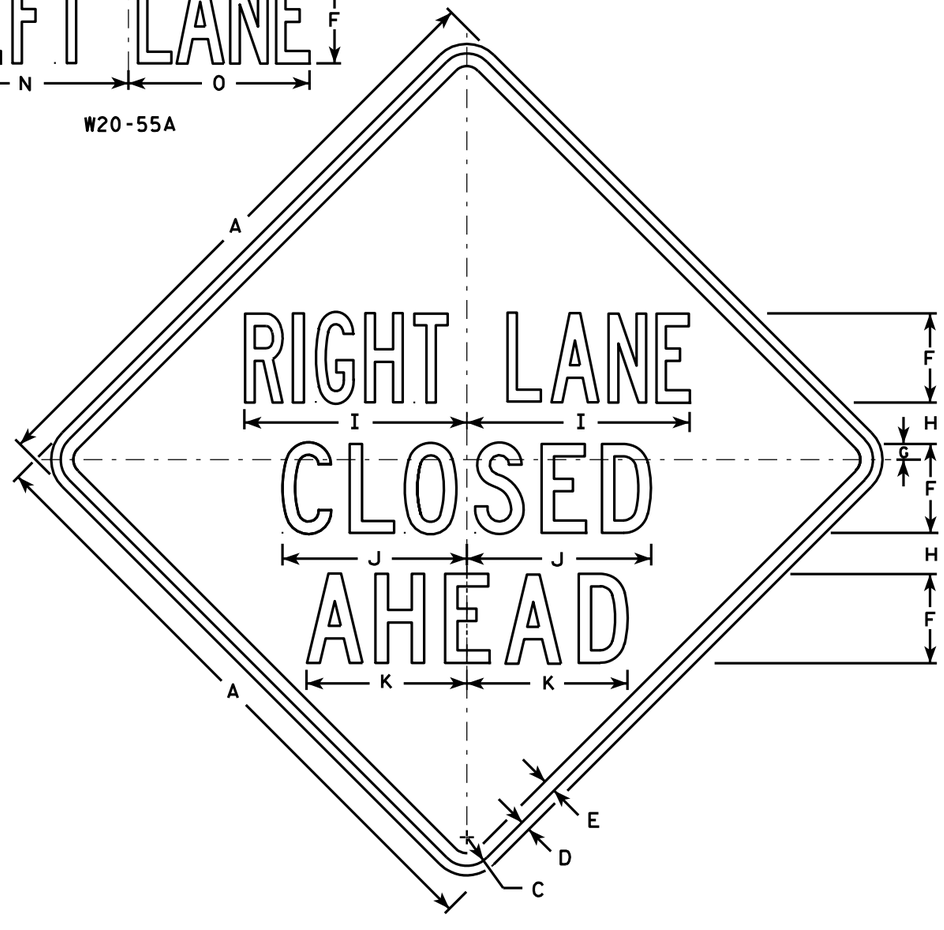
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 249 | E



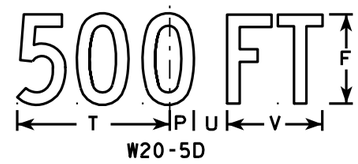
W20-56A



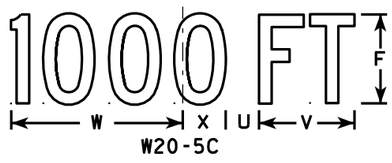
W20-55A



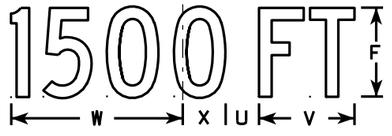
W20-5A



W20-5D



W20-5C



W20-5B



W20-5G



W20-5F

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. " _____ LANE" is Series B.
   All other copy is 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	36	6	1 5/8	5/8	3/4	5	1/8	2 1/2	13 1/8	10 3/4	9 1/2	14 1/4	13 5/8	12	12	1 3/8	1 1/8	4 1/2	3 1/2	9	1 1/8	5 5/8	10 1/8	2 1/2	1 3/4	8	9.0
2S	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
2M	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
3	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
4	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
5	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0

STANDARD SIGN
W20-5A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

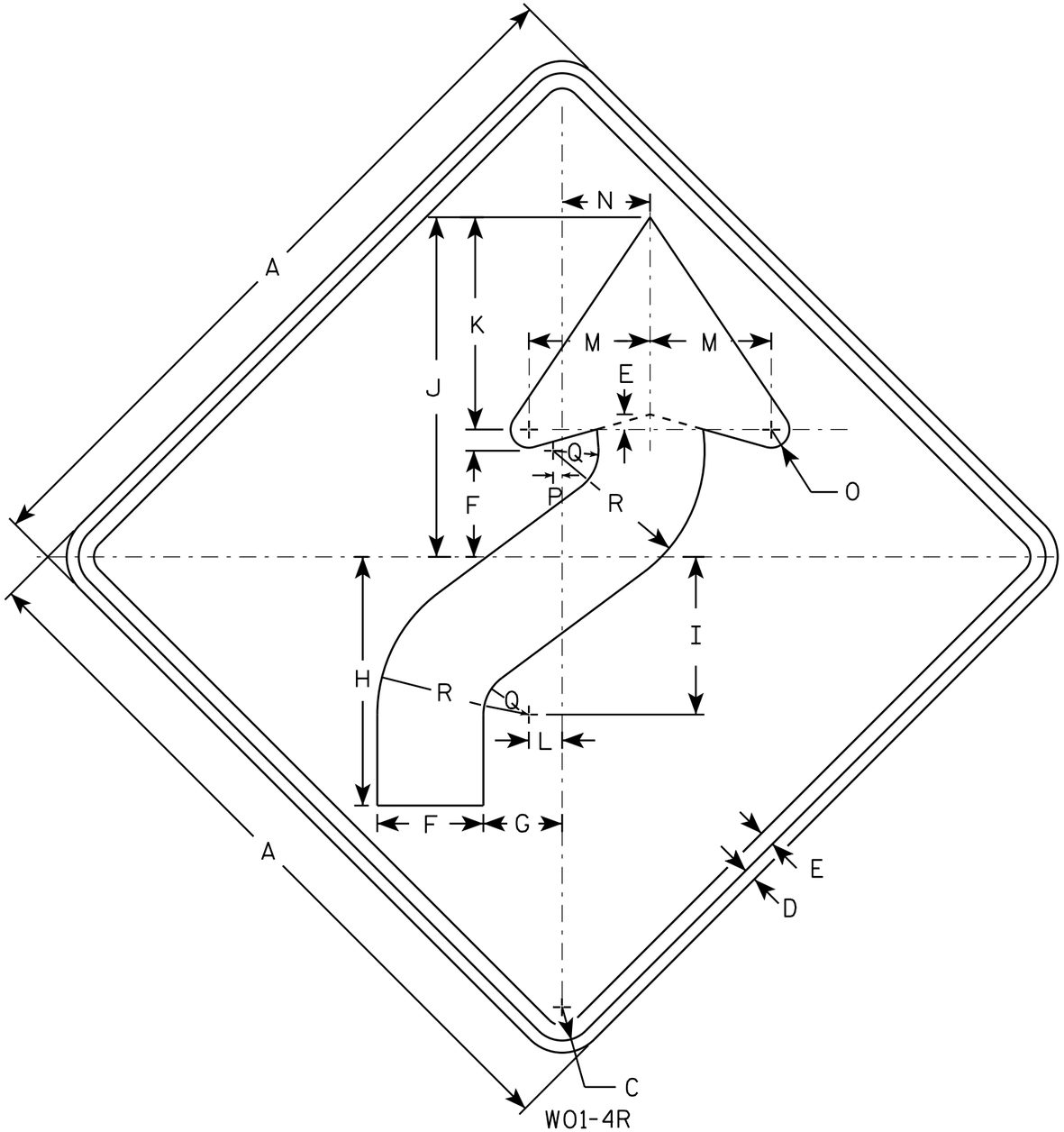
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-5.11

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 250 | E

7

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W205.DGN PLOT DATE : 18-MAR-2011 12:15 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 11.918087:1.000000
WISDOT/CADDS SHEET 42



W01-4R

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. 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. W01-4L is the same as W01-4R 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	36		1 5/8	5/8	3/4	5 1/4	4	12 3/8	7 7/8	16 7/8	10 1/2	1 5/8	6	4 1/2	1	1/2	2 1/4	7 1/2									9.0
2S	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
2M	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
3	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
4	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
5	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0

STANDARD SIGN
W01-4

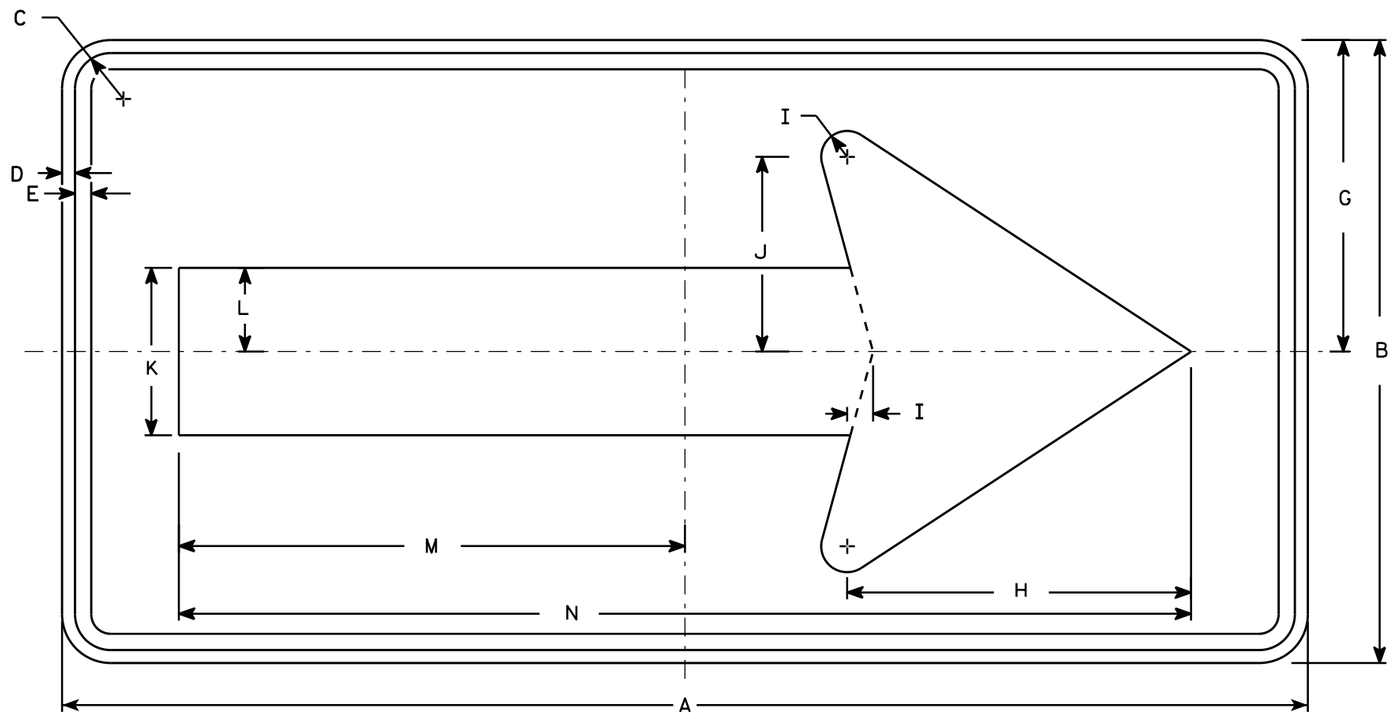
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE NO W01-4.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W014.DGN PLOT DATE : 28-FEB-2014 11:35 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 6.755110:1.000000 WISDOT/CADDS SHEET 42



W01-6

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. 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	48	24	1 3/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
2M	48	24	1 3/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
3	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
4	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
5	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5

STANDARD SIGN
W01-6

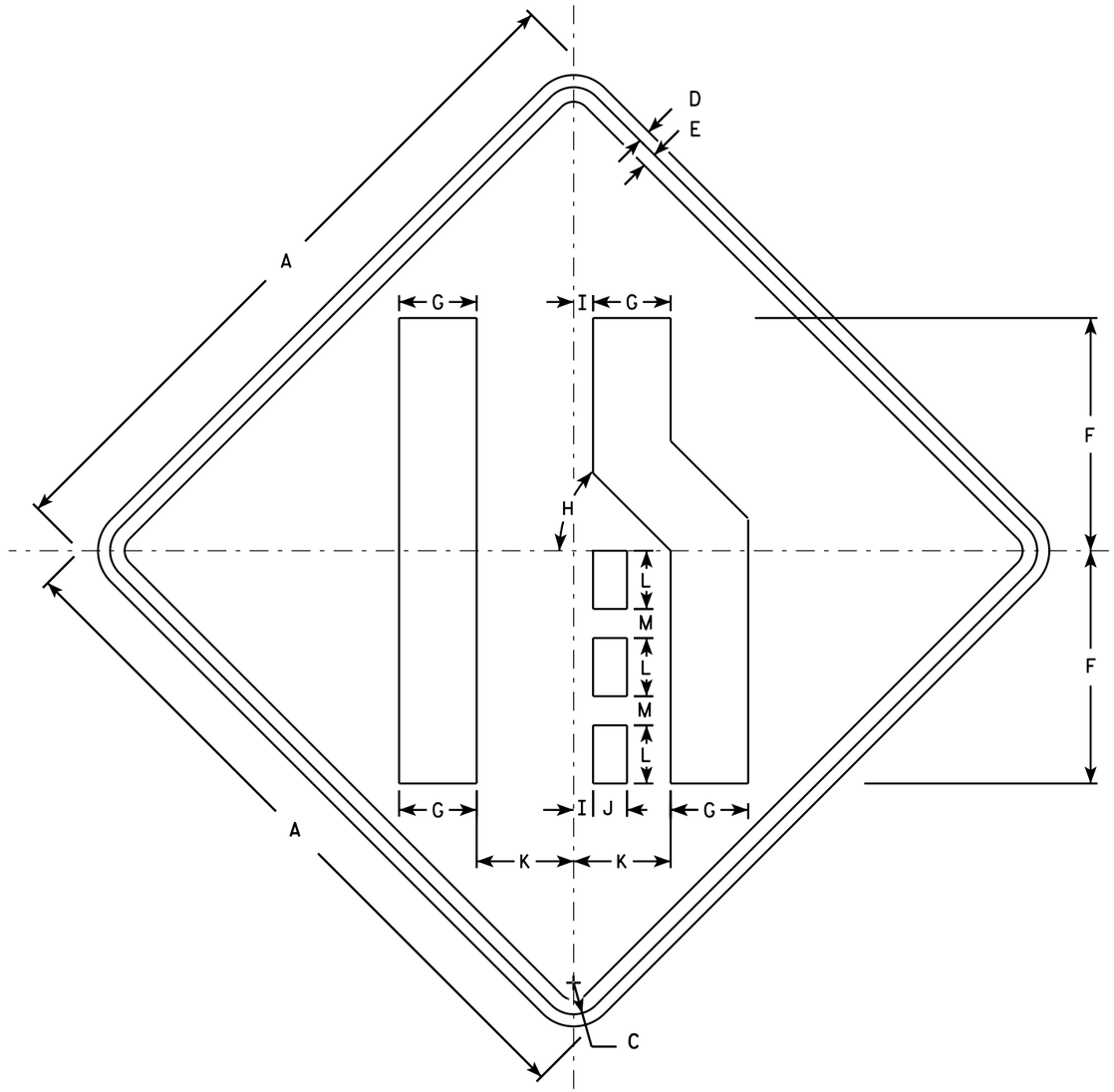
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE NO. W01-6.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W016.DGN PLOT DATE : 28-FEB-2014 11:37 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 5.837526:1.000000 WISDOT/CADDS SHEET 42



W04-2R

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. 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. W04-2L is the same as W04-2R except the symbol 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	36		1 5/8	5/8	3/4	12	4	45°	1	1 3/4	5	3	1 1/2														9.0
2S	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
2M	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
3	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
4	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
5	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0

STANDARD SIGN
W04-2

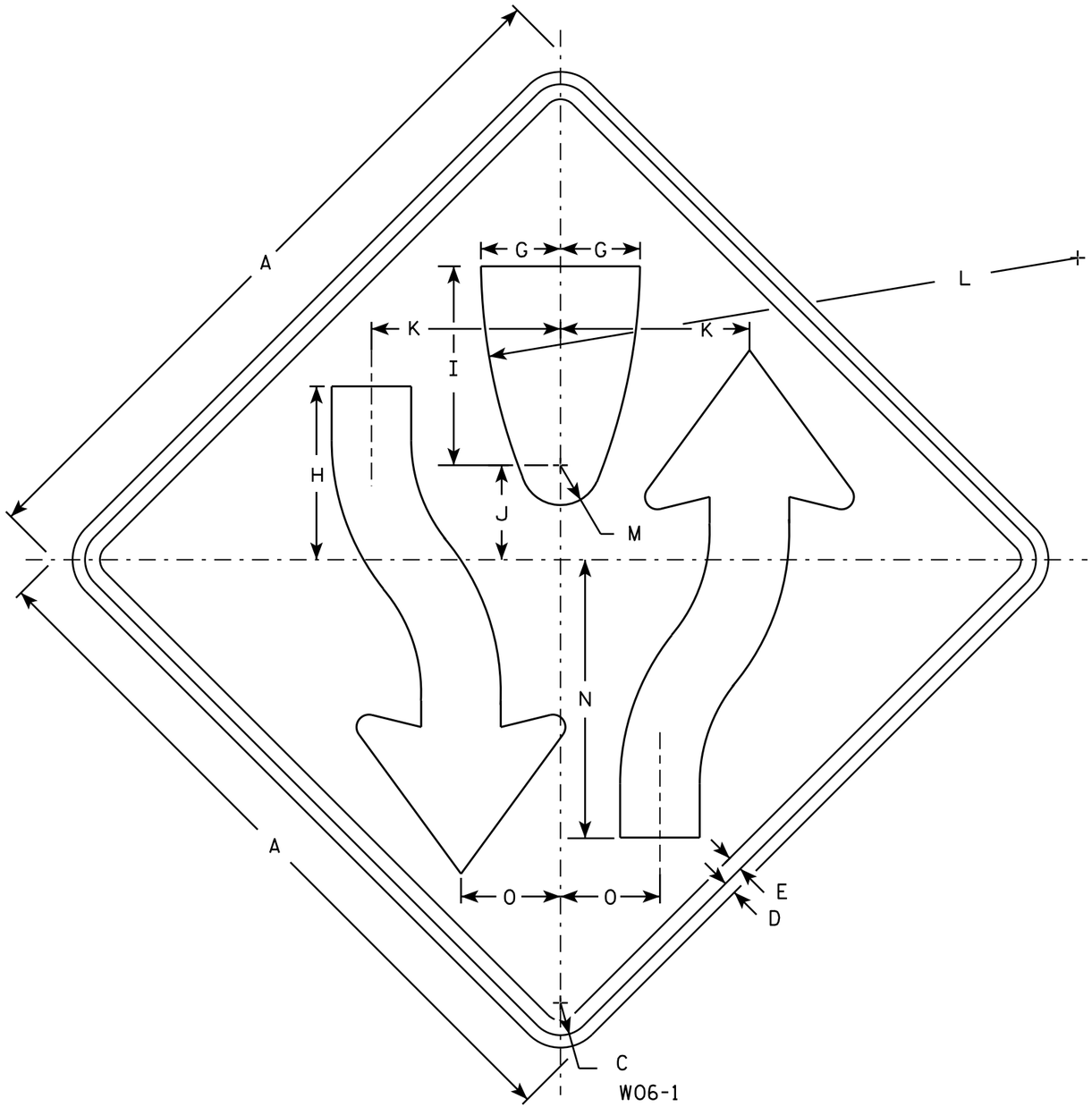
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE 253 W04-2.1

PROJECT NO:

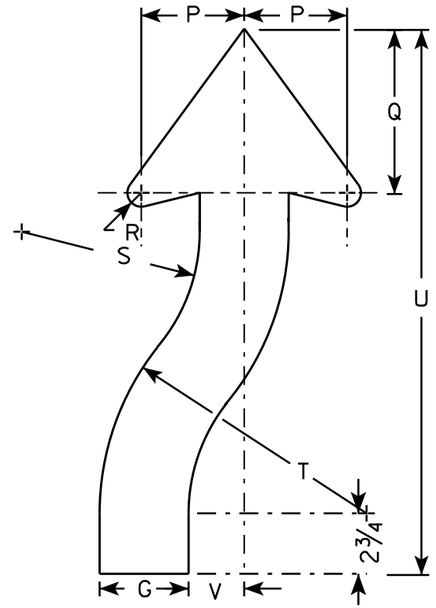
SHEET NO: E



W06-1

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   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. W06-2 same as W06-1 but is rotated 180° when mounted.



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	36		1 5/8	5/8	3/4		4	8 3/4	10	4 3/4	9 1/2	30	2	14	5	4 5/8	7 3/8	7/8	8	12	24 1/2	2 1/2					9.0
2S	48		2 1/4	3/4	1		5 3/8	11 5/8	13 3/8	6 3/8	12 5/8	40	2 5/8	18 5/8	6 5/8	6 1/4	9 7/8	1 1/4	10 5/8	16	32 5/8	3 3/8					16.0
2M	48		2 1/4	3/4	1		5 3/8	11 5/8	13 3/8	6 3/8	12 5/8	40	2 5/8	18 5/8	6 5/8	6 1/4	9 7/8	1 1/4	10 5/8	16	32 5/8	3 3/8					16.0
3	48		2 1/4	3/4	1		5 3/8	11 5/8	13 3/8	6 3/8	12 5/8	40	2 5/8	18 5/8	6 5/8	6 1/4	9 7/8	1 1/4	10 5/8	16	32 5/8	3 3/8					16.0
4	48		2 1/4	3/4	1		5 3/8	11 5/8	13 3/8	6 3/8	12 5/8	40	2 5/8	18 5/8	6 5/8	6 1/4	9 7/8	1 1/4	10 5/8	16	32 5/8	3 3/8					16.0
5	48		2 1/4	3/4	1		5 3/8	11 5/8	13 3/8	6 3/8	12 5/8	40	2 5/8	18 5/8	6 5/8	6 1/4	9 7/8	1 1/4	10 5/8	16	32 5/8	3 3/8					16.0

STANDARD SIGN
W06-1 & W06-2

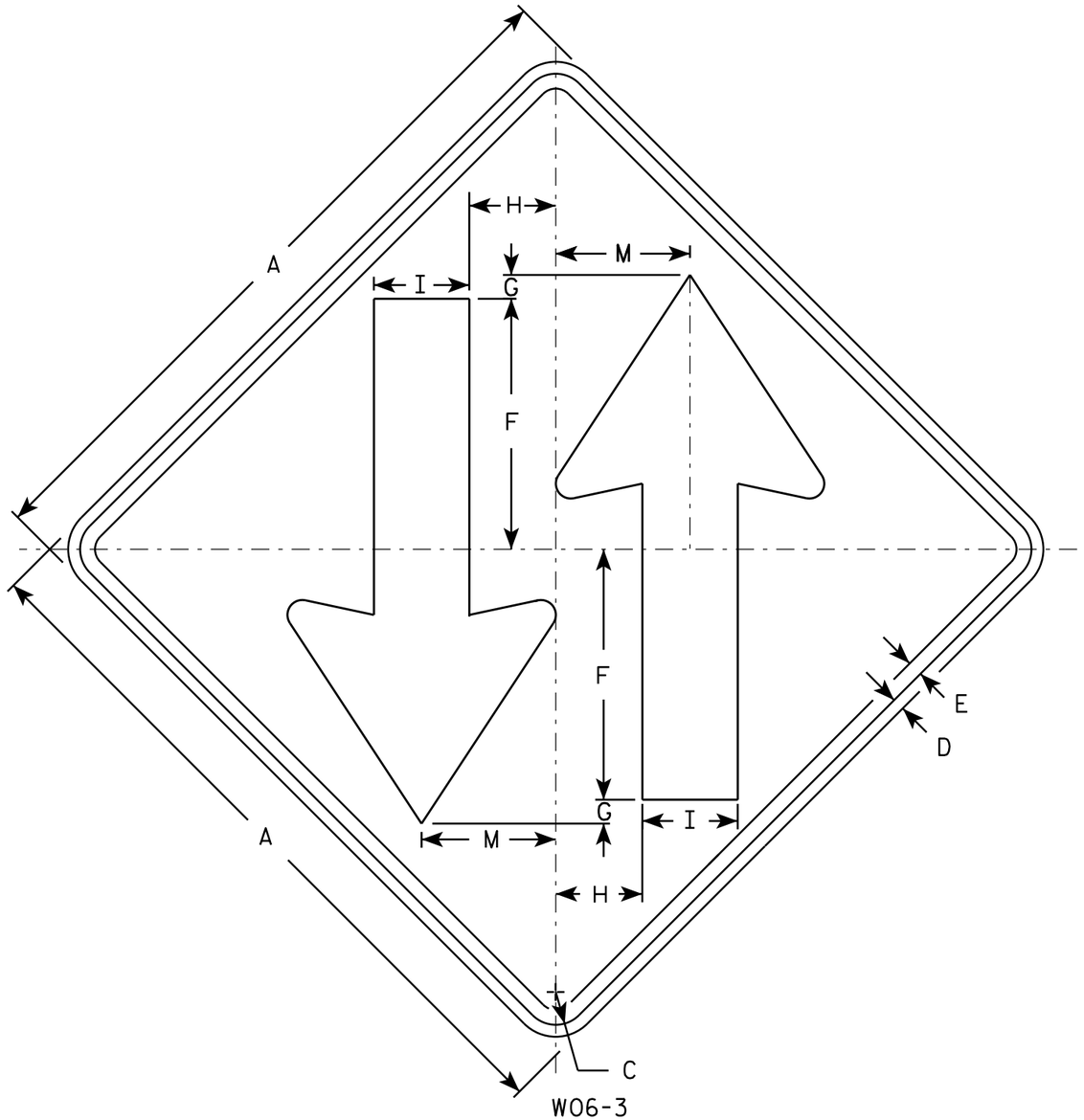
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE NO W06-1.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

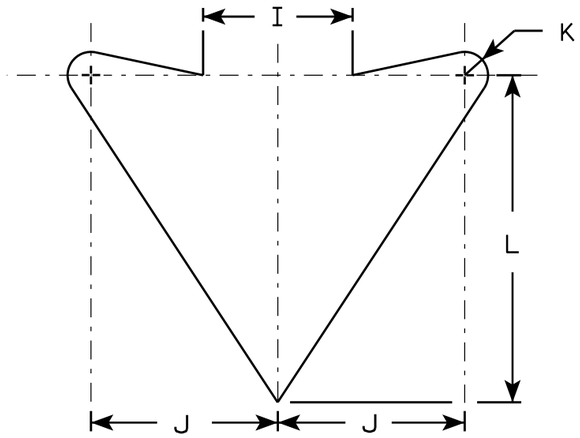
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W061.DGN PLOT DATE : 20-NOV-2013 12:09 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 6.810449:1.000000
WISDOT/CADDS SHEET 42



W06-3

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. 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	36		1 5/8	5/8	3/4	12	1	4 1/4	5	6	3/4	10 1/2	6 3/4														9.0
2S	48		2 1/4	3/4	1	15 1/2	1	6	6	8	1	14	9														16.0
2M	48		2 1/4	3/4	1	15 1/2	1	6	6	8	1	14	9														16.0
3	48		2 1/4	3/4	1	15 1/2	1	6	6	8	1	14	9														16.0
4	48		2 1/4	3/4	1	15 1/2	1	6	6	8	1	14	9														16.0
5	48		2 1/4	3/4	1	15 1/2	1	6	6	8	1	14	9														16.0

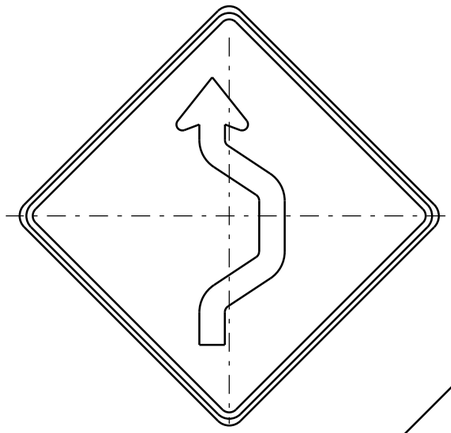
STANDARD SIGN
W06-3

WISCONSIN DEPT OF TRANSPORTATION

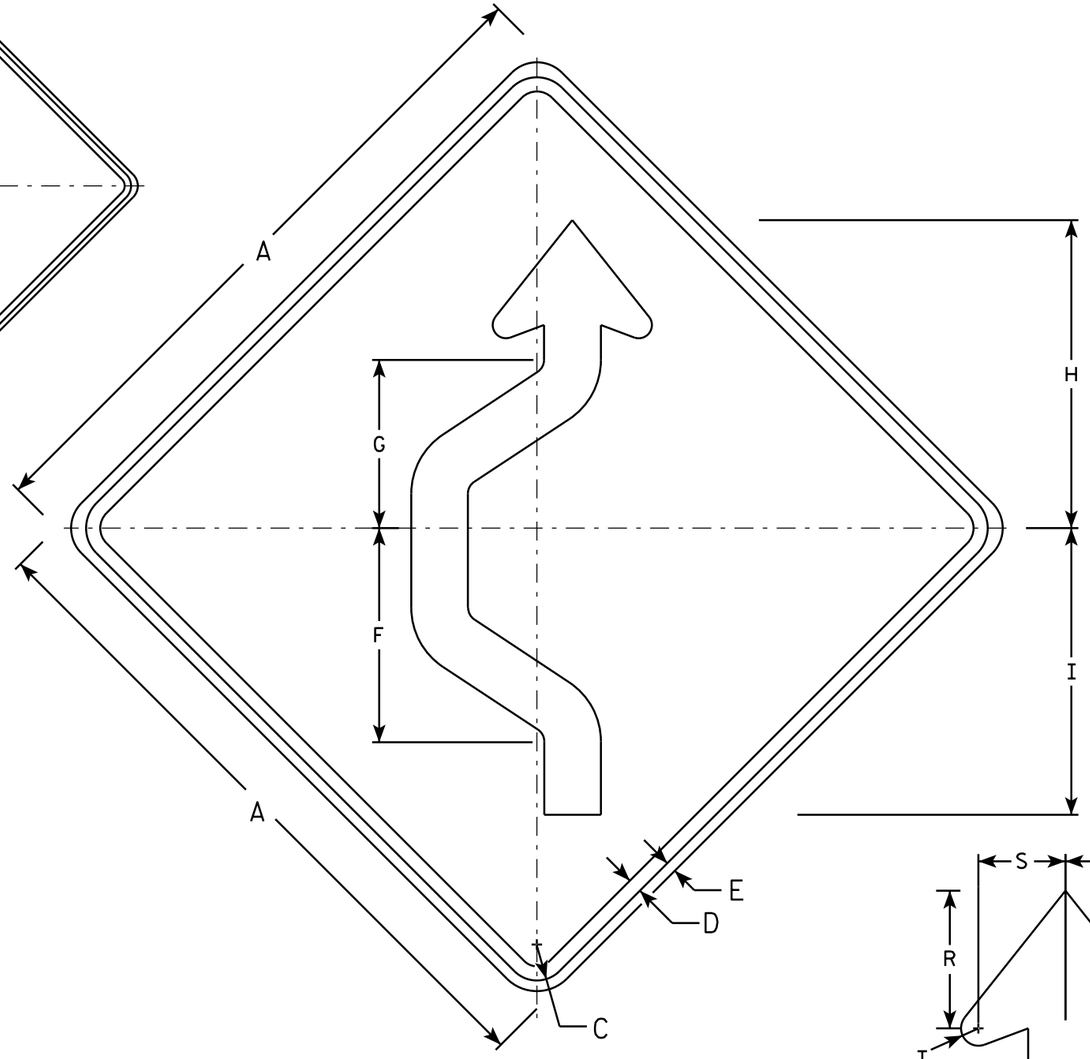
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE 255 W06-3.1

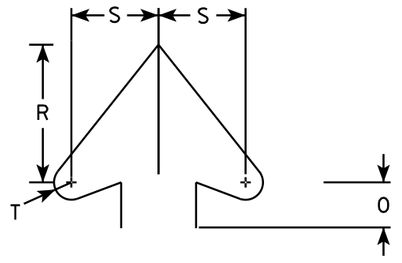
PROJECT NO: | HWY: | COUNTY: | SHEET NO: E



W024-1R



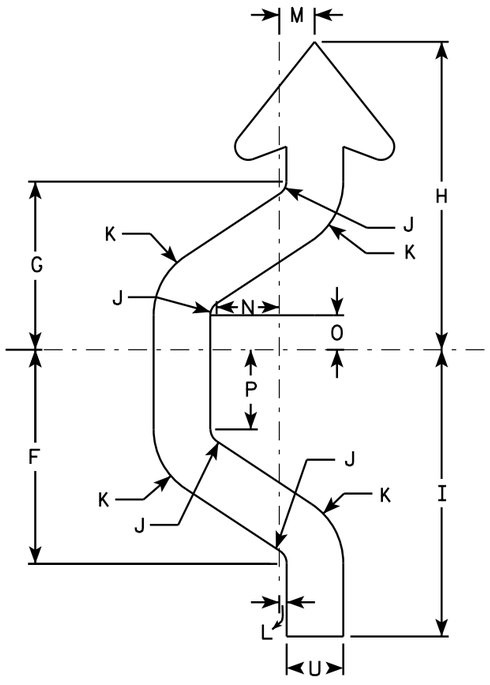
W024-1L



Arrowhead Detail

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. 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. W024-1R is the same as W024-1L except reversed along the vertical centerline.



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	36		1 3/8	5/8	1/2	11 3/8	8 7/8	16 3/8	15 1/4	3/4	3 3/4	3/8	2	3 3/8	1 7/8	4 1/4		5 1/2	3 1/2	5/8	3						9
2S	48		2 1/4	1	3/4	15 1/8	11 7/8	21 3/4	20 1/4	1	5	1/2	2 1/2	4 3/8	2 3/8	5 5/8		7 3/8	4 3/4	7/8	4						16
2M	48		2 1/4	1	3/4	15 1/8	11 7/8	21 3/4	20 1/4	1	5	1/2	2 1/2	4 3/8	2 3/8	5 5/8		7 3/8	4 3/4	7/8	4						16
3	48		2 1/4	1	3/4	15 1/8	11 7/8	21 3/4	20 1/4	1	5	1/2	2 1/2	4 3/8	2 3/8	5 5/8		7 3/8	4 3/4	7/8	4						16
4	48		2 1/4	1	3/4	15 1/8	11 7/8	21 3/4	20 1/4	1	5	1/2	2 1/2	4 3/8	2 3/8	5 5/8		7 3/8	4 3/4	7/8	4						16
5	48		2 1/4	1	3/4	15 1/8	11 7/8	21 3/4	20 1/4	1	5	1/2	2 1/2	4 3/8	2 3/8	5 5/8		7 3/8	4 3/4	7/8	4						16

STANDARD SIGN
W024-1 L & R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/25/2013 PLATE W024-1.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W0241.DGN PLOT DATE : 25-SEP-2013 13:08 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 10.702132:1.000000 WISDOT/CADDS SHEET 42

EARTHWORK - WEBSTER AVE

STATION	AREA (SF) Cut	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Fill Note 2	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.50	Mass Ordinate Note 3
10+50	4.31	0.00					
11+00	0.07	4.06	4	4	4	6	-2
11+50	2.02	1.21	2	5	6	13	-7
12+00	3.35	4.97	5	6	11	22	-11
12+50	2.82	5.71	6	10	17	36	-20
13+00	1.21	3.73	4	9	20	49	-29
13+50	0.06	0.02	1	3	22	55	-33
14+00	0.75	0.75	1	1	22	56	-33
14+50	1.50	2.08	2	3	24	60	-35
15+00	2.25	3.47	3	5	28	67	-40
15+50	0.00	2.08	2	5	30	75	-45
16+00	2.04	1.89	2	4	32	81	-49
16+50	0.63	2.48	2	4	34	87	-52
17+00	0.76	1.34	1	4	36	92	-56
17+50	0.45	0.45	1	2	37	94	-58
18+00	1.72	2.01	2	2	39	98	-59
18+50	4.57	5.83	6	7	45	109	-64
19+00	7.23	10.82	11	15	56	132	-76
19+50	0.02	6.71	7	16	62	156	-94
19+75	0.08	0.05	0	3	62	161	-99
20+00	0.03	0.05	0	0	62	161	-99
20+50	1.79	1.69	2	2	64	163	-99
21+00	0.36	1.99	2	3	66	169	-103
21+50	2.10	2.28	2	4	68	174	-106
22+00	2.00	1.48	4	3	72	180	-108
22+50	2.09	3.79	4	5	76	187	-111
23+00	1.26	3.10	3	6	79	197	-118
23+67	0.21	1.37	2	6	81	205	-124
24+00	0.49	0.22	0	1	81	206	-125
24+50	0.68	0.70	1	1	82	208	-125
24+50	0.30	0.91	0	0	82	208	-125
25+00	0.32	0.16	1	1	83	209	-126
25+50	0.73	0.97	1	1	84	211	-127
26+00	0.25	0.46	1	1	85	213	-128
26+50	234.42	0.00	217	0	302	213	89
27+00	232.99	0.00	433	0	735	213	521
27+50	293.04	0.51	487	0	1,222	214	1,008
28+00	244.70	0.32	498	1	1,720	215	1,505
28+50	244.17	0.02	453	0	2,172	216	1,957
29+00	233.41	0.00	442	0	2,615	216	2,399

EARTHWORK - WEBSTER AVE (CONTINUED)

STATION	AREA (SF) Cut	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Fill Note 2	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.50	Mass Ordinate Note 3
29+50	214.56	0.93	415	1	3,029	217	2,812
30+00	218.46	0.78	401	2	3,430	219	3,211
30+50	191.22	4.34	379	5	3,810	226	3,583
31+00	124.82	25.91	293	28	4,102	269	3,834
31+50	163.16	17.32	267	40	4,369	329	4,040
32+00	184.48	11.32	322	27	4,691	368	4,323
32+50	112.28	30.73	275	39	4,966	427	4,539
33+00	160.93	10.34	253	38	5,219	484	4,735
33+50	241.58	0.78	373	10	5,591	499	5,092
34+00	251.24	0.62	456	1	6,048	501	5,546
34+50	267.95	0.00	481	1	6,528	502	6,026
35+00	303.41	0.00	529	0	7,057	502	6,555
35+50	283.36	0.00	543	0	7,601	502	7,099
36+00	348.29	0.56	585	1	8,186	503	7,683
36+50	257.28	0.02	561	1	8,746	504	8,243
37+00	258.84	0.07	478	0	9,224	504	8,720
37+50	240.47	0.35	462	0	9,687	504	9,182
38+00	253.32	2.22	457	2	10,144	508	9,636
38+50	301.90	0.00	514	2	10,658	511	10,147
39+00	346.51	0.00	600	0	11,258	511	10,747
39+50	328.96	0.00	625	0	11,884	511	11,373
40+00	365.05	1.74	643	2	12,526	513	12,013
40+50	312.45	0.06	627	2	13,154	516	12,638
41+00	291.42	0.11	559	0	13,713	516	13,197
41+50	253.71	0.89	505	1	14,217	518	13,700
42+00	245.94	2.58	463	3	14,680	522	14,158
42+50	269.25	0.03	477	2	15,157	526	14,631
42+75	296.23	0.00	262	0	15,419	526	14,893
43+00	298.97	0.00	276	0	15,694	526	15,168
43+50	354.99	0.07	606	0	16,300	526	15,774
43+75	390.30	0.38	345	0	16,645	526	16,119
44+00	381.32	0.21	357	0	17,002	527	16,475
44+50	317.61	0.00	647	0	17,649	527	17,122
45+00	305.61	0.00	577	0	18,226	527	17,699
45+50	234.88	3.18	500	3	18,727	532	18,195
46+00	214.21	8.26	416	11	19,143	547	18,595
46+50	213.33	3.59	396	11	19,539	564	18,975
47+00	270.20	0.07	448	3	19,986	569	19,417
47+50	302.46	0.00	530	0	20,517	569	19,948
48+00	272.61	10.74	532	10	21,049	584	20,465

Notes:	
1 - Cut	Cut includes existing asphalt and concrete pavement
2 - Fill	Unexpanded
3 - Mass Ordinate	Cut - (Fill * Fill Factor)

EARTHWORK - WEBSTER AVE (CONTINUED)

	AREA (SF)		Incremental Vol (CY) (Unadjusted)		Cumulative Vol (CY)		
STATION	Cut	Fill	Cut Note 1	Fill Note 2	Cut 1.00 Note 1	Expanded Fill 1.50	Mass Ordinate Note 3
48+50	258.09	0.99	491	11	21,540	600	20,940
49+00	254.97	0.32	475	1	22,015	602	21,413
49+50	254.04	0.00	471	0	22,487	603	21,884
50+00	255.37	0.00	472	0	22,958	603	22,356
50+50	240.45	0.00	459	0	23,418	603	22,815
51+00	240.07	0.00	445	0	23,862	603	23,260
51+50	236.12	0.00	441	0	24,303	603	23,701
52+00	238.87	0.41	440	0	24,743	603	24,140
52+50	214.59	0.59	420	1	25,163	604	24,559
53+00	217.09	0.56	400	1	25,563	606	24,957
53+50	226.78	0.13	411	1	25,974	607	25,367
54+00	221.65	1.41	415	1	26,389	609	25,780
54+50	174.64	1.07	367	2	26,756	613	26,143
			26,756	408			

EARTHWORK - UNIVERSITY AVE

	AREA (SF)		Incremental Vol (CY) (Unadjusted)		Cumulative Vol (CY)		
STATION	Cut	Fill	Cut Note 1	Fill Note 2	Cut 1.00 Note 1	Expanded Fill 1.50	Mass Ordinate Note 3
8+92.5	136.11	0.02	0	0	0	0	0
9+00	136.93	0.01	38	0	38	0	38
9+31.77	155.73	0.81	172	0	210	1	209
10+60.55	159.08	0.42	0	0	210	1	209
10+83	150.21	0.05	129	0	339	1	338
			339	1			

EARTHWORK - HARVEY STREET

	AREA (SF)		Incremental Vol (CY) (Unadjusted)		Cumulative Vol (CY)		
STATION	Cut	Fill	Cut Note 1	Fill Note 2	Cut 1.00 Note 1	Expanded Fill 1.50	Mass Ordinate Note 3
09+00	48.63	0.55	0	0	0	0	0
9+23.59	51.65	1.82	44	1	44	2	42
10+52.28	61.84	1.20	0	0	44	2	42
10+57	63.70	0.88	11	0	55	2	53
10+75	50.51	0.00	38	0	93	2	91
			93	2			

EARTHWORK - DAY STREET

	AREA (SF)		Incremental Vol (CY) (Unadjusted)		Cumulative Vol (CY)		
STATION	Cut	Fill	Cut Note 1	Fill Note 2	Cut 1.00 Note 1	Expanded Fill 1.50	Mass Ordinate Note 3
9+10	51.95	0.22	0	0	0	0	0
9+23.92	59.34	0.66	29	0	29	0	28
10+52.2	53.42	0.08	268	2	297	3	294
10+75	50.69	0.02	44	0	341	3	337
			341	2			

EARTHWORK - SMITH STREET

	AREA (SF)		Incremental Vol (CY) (Unadjusted)		Cumulative Vol (CY)		
STATION	Cut	Fill	Cut Note 1	Fill Note 2	Cut 1.00 Note 1	Expanded Fill 1.50	Mass Ordinate Note 3
09+15	51.93	0.14	0	0	0	0	0
9+23.92	61.72	0.60	19	0	19	0	19
			19	0			

EARTHWORK - EASTMAN AVENUE (EASTBOUND)

	AREA (SF)		Incremental Vol (CY) (Unadjusted)		Cumulative Vol (CY)		
STATION	Cut	Fill	Cut Note 1	Fill Note 2	Cut 1.00 Note 1	Expanded Fill 1.50	Mass Ordinate Note 3
8+75	44.08	0.41	0	0	0	0	0
9+00	30.47	6.36	35	3	35	5	30
9+23.92	16.22	14.37	21	9	55	18	37
10+52.01	13.14	12.99	0	0	55	18	37
11+00	38.27	2.95	46	14	101	40	61
11+20	45.00	0.26	31	1	132	42	90
			132	28			

Notes:	
1 - Cut	Cut includes existing asphalt and concrete pavement
2 - Fill	Unexpanded
3 - Mass Ordinate	Cut - (Fill * Fill Factor)

EARTHWORK - EASTMAN AVENUE (WESTBOUND)

STATION	AREA (SF) Cut	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Fill Note 2	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.50	Mass Ordinate Note 3
8+85	39.33	0.18	0	0	0	0	0
9+00	37.21	0.28	21	0	21	0	21
9+23.8	26.94	0.86	28	1	50	1	49
10+52.04	12.23	16.52	0	0	50	1	49
11+00	44.52	0.00	50	15	100	23	77
			100	15			

EARTHWORK - KLAUS STREET

STATION	AREA (SF) Cut	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Fill Note 2	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.50	Mass Ordinate Note 3
8+90	113.52	0.21	0	0	0	0	0
9+00	121.84	0.00	44	0	44	0	44
9+23.78	127.23	0.00	110	0	153	0	153
10+53.73	75.20	0.00	0	0	153	0	153
10+75	66.58	0.00	56	0	209	0	209
10+95	53.87	0.00	45	0	254	0	254
			254	0			

EARTHWORK - REBER STREET

STATION	AREA (SF) Cut	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Fill Note 2	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.50	Mass Ordinate Note 3
9+00	53.73	0.00	0	0	0	0	0
9+23.8	62.22	0.38	51	0	51	0	51
10+52.18	57.43	2.77	0	0	51	0	51
10+75	64.11	0.00	51	1	102	2	100
10+85	54.01	0.00	33	0	135	2	133
			135	1			

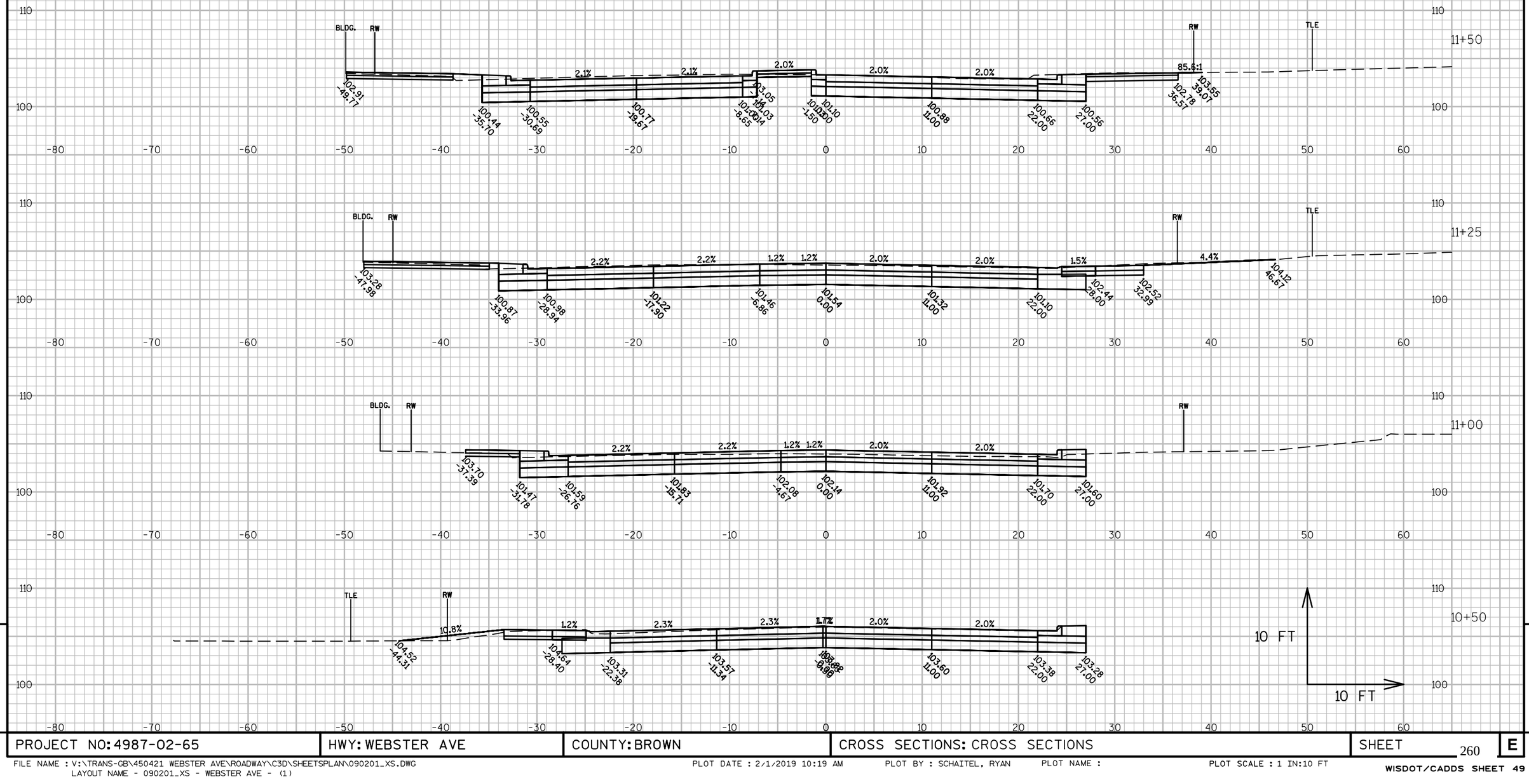
EARTHWORK - VANDERBRAAK STREET

STATION	AREA (SF) Cut	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Fill Note 2	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.50	Mass Ordinate Note 3
10+60	71.95	0.00	0	0	0	0	0
10+75	143.33	0.00	60	0	60	0	60
11+00	124.75	0.00	124	0	184	0	184
11+14	111.24	0.00	61	0	245	0	245
			245	0			

EARTHWORK - BERNER STREET

STATION	AREA (SF) Cut	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Fill Note 2	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.50	Mass Ordinate Note 3
8+95	53.51	0.00	0	0	0	0	0
9+00	62.62	0.00	11	0	11	0	11
9+22.93	72.03	0.00	57	0	68	0	68
10+52.5	110.09	0.00	0	0	68	0	68
10+75	97.60	0.00	87	0	154	0	154
10+85	89.39	0.00	35	0	189	0	189
			189	0			

Notes:	
1 - Cut	Cut includes existing asphalt and concrete pavement
2 - Fill	Unexpanded
3 - Mass Ordinate	Cut - (Fill * Fill Factor)



9

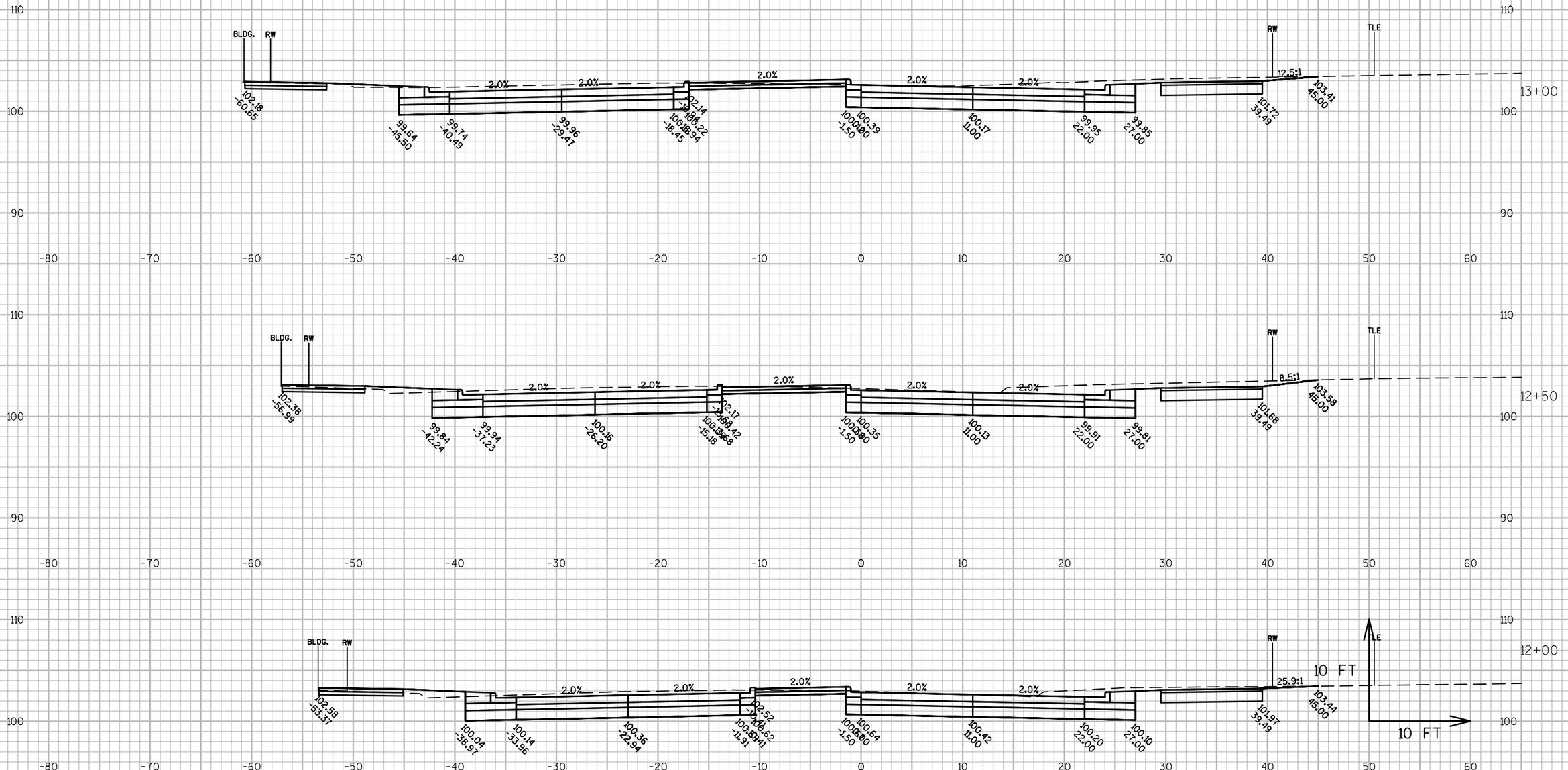
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PROJECT NO: 4987-02-65	HWY: WEBSTER AVE	COUNTY: BROWN	CROSS SECTIONS: CROSS SECTIONS	SHEET 260	E

FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090201_XS - WEBSTER AVE - (1)

PLOT DATE : 2/1/2019 10:19 AM PLOT BY : SCHAITEL, RYAN PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



9

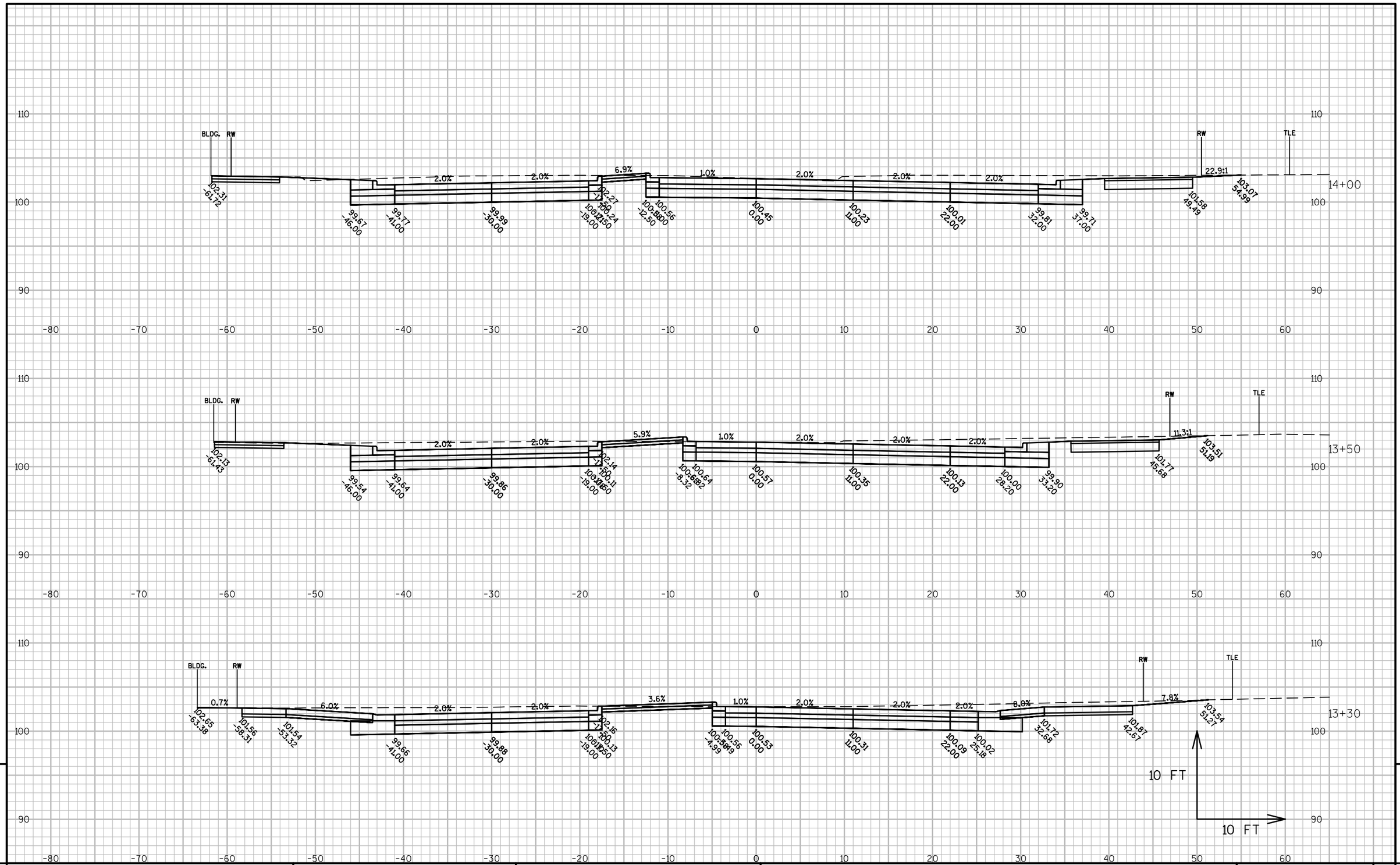
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PROJECT NO: 4987-02-65	HWY: WEBSTER AVE	COUNTY: BROWN	CROSS SECTIONS: CROSS SECTIONS	SHEET 261	E

FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090201_XS - WEBSTER AVE - (2)

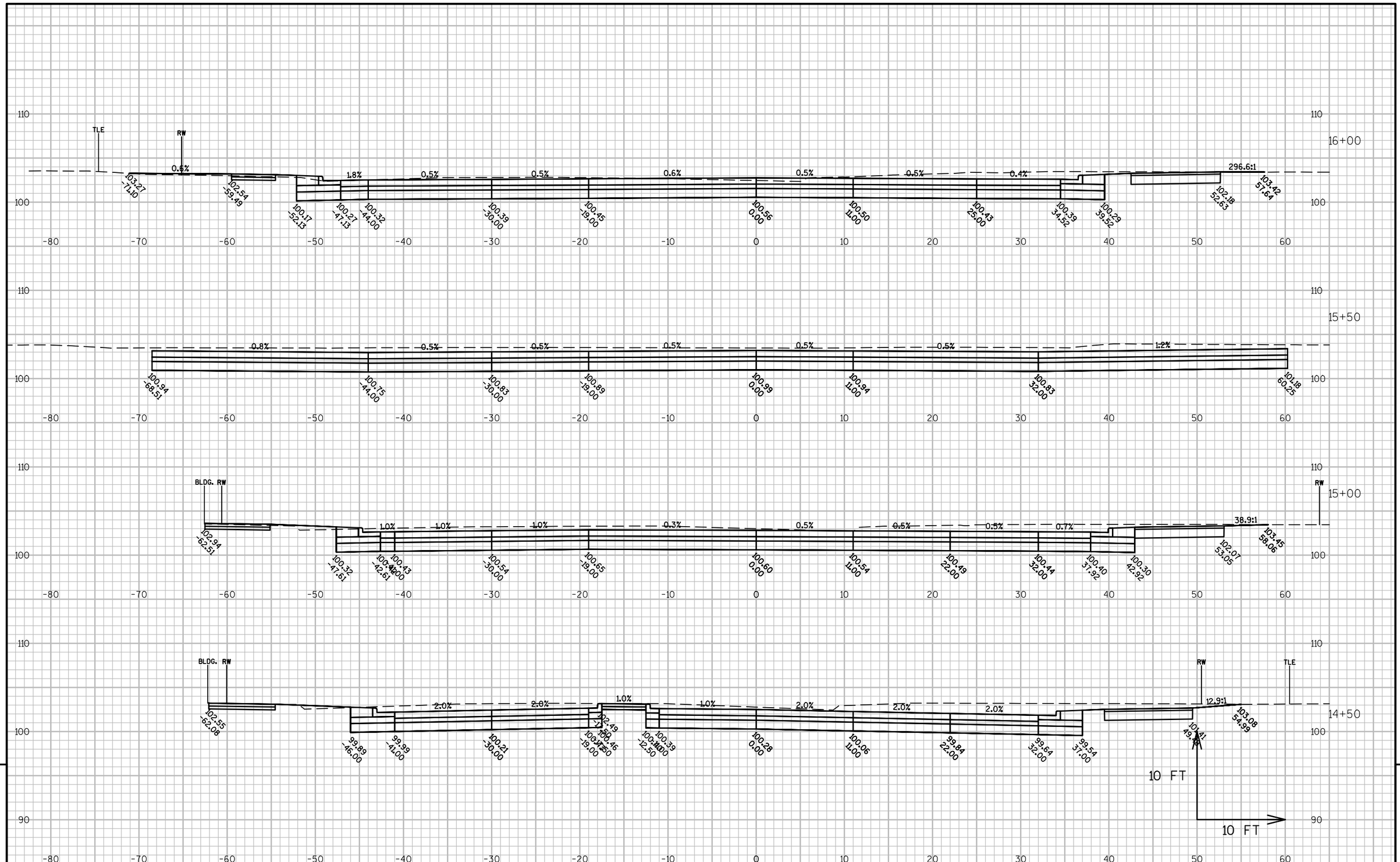
PLOT DATE : 2/1/2019 10:19 AM PLOT BY : SCHAITEL, RYAN PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



PROJECT NO: 4987-02-65	HWY: WEBSTER AVE	COUNTY: BROWN	CROSS SECTIONS: CROSS SECTIONS	SHEET 262	E

FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090201_XS - WEBSTER AVE - (3)
PLOT DATE : 2/1/2019 10:20 AM PLOT BY : SCHAITEL, RYAN PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 49



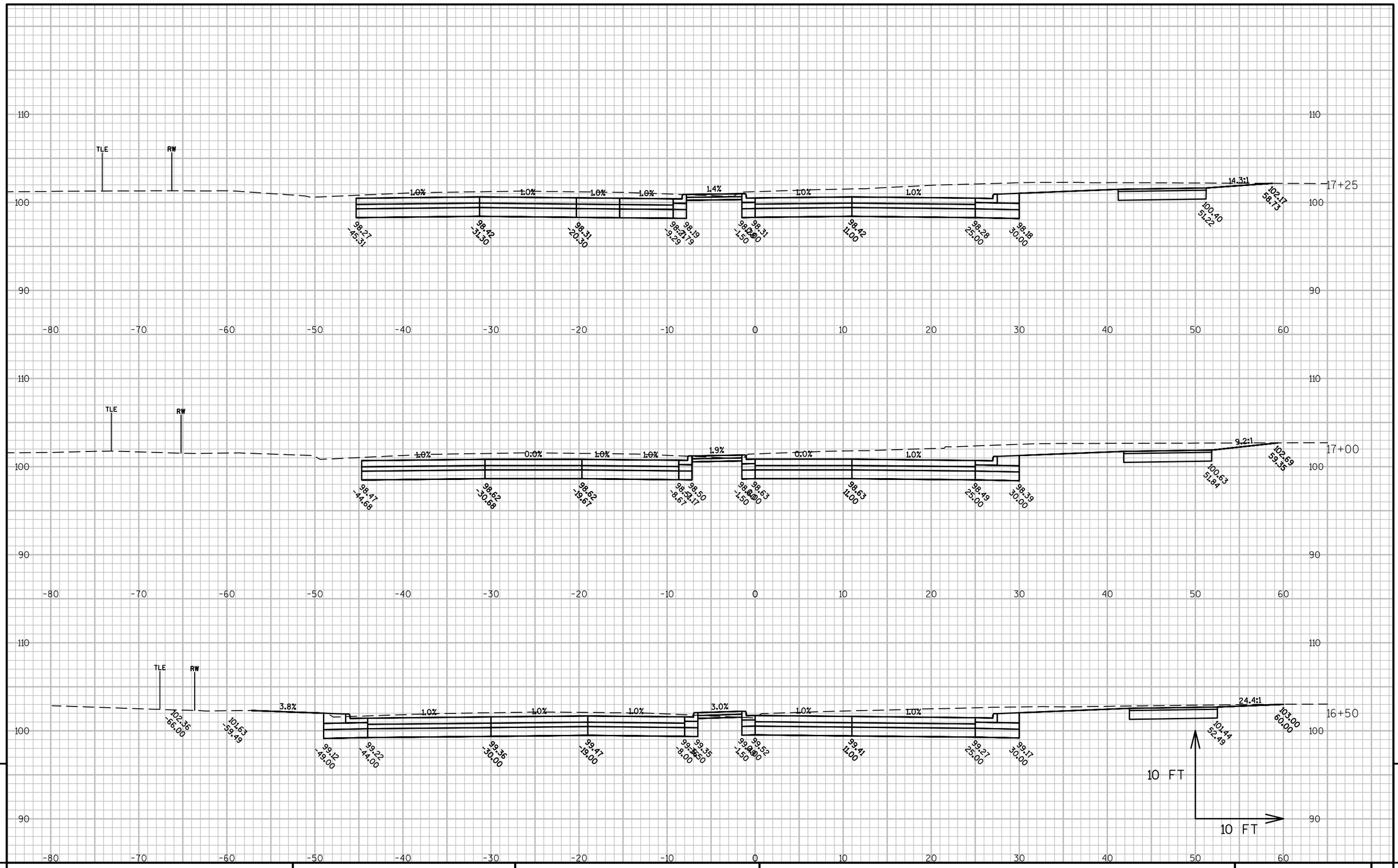
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PROJECT NO: 4987-02-65	HWY: WEBSTER AVE	COUNTY: BROWN	CROSS SECTIONS: CROSS SECTIONS	SHEET 263	E

FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090201_XS - WEBSTER AVE - (4)

PLOT DATE : 2/1/2019 10:20 AM PLOT BY : SCHAITEL, RYAN PLOT NAME : PLOT SCALE : 1 IN:10 FT

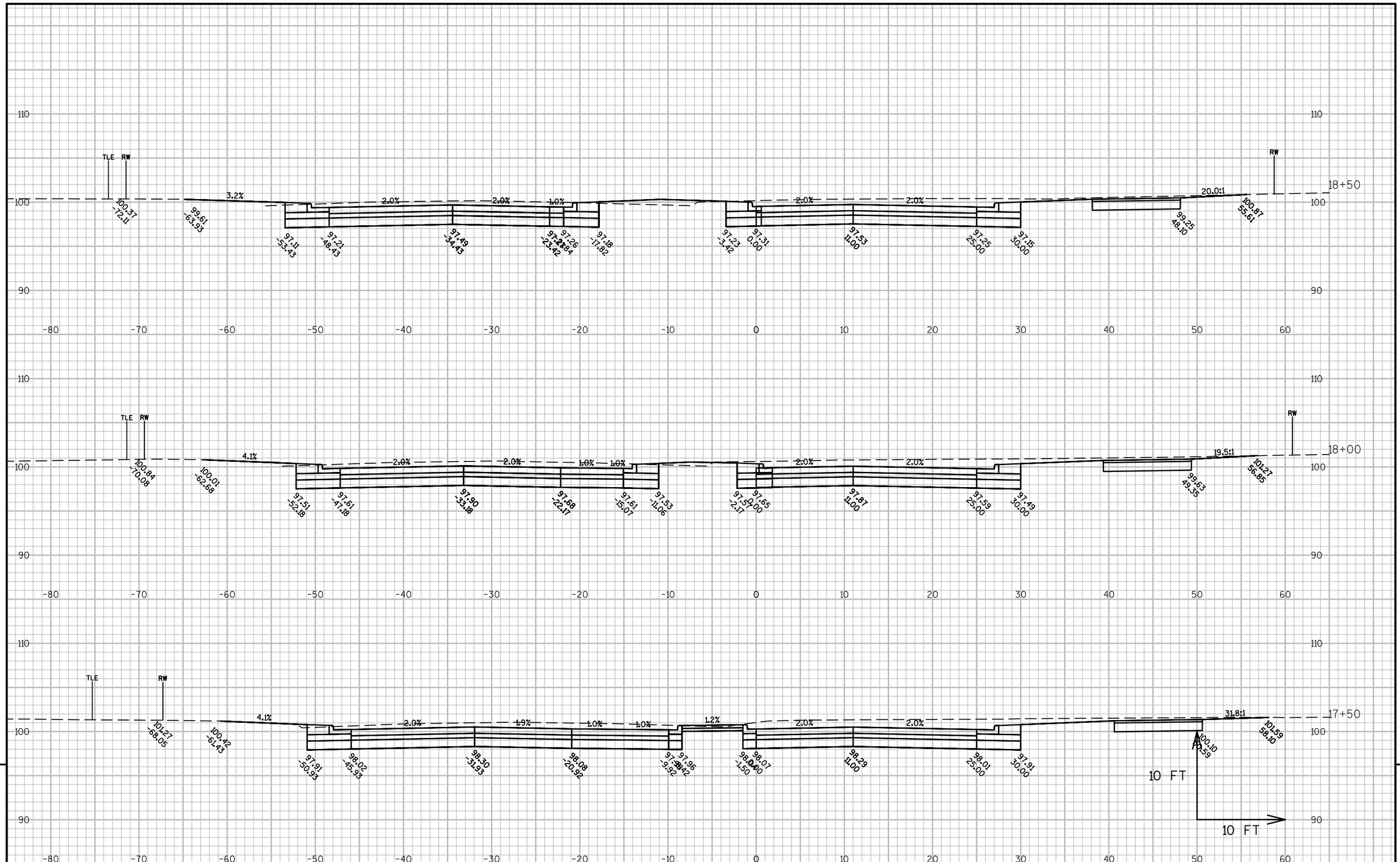


PROJECT NO: 4987-02-65	HWY: WEBSTER AVE	COUNTY: BROWN	CROSS SECTIONS: CROSS SECTIONS	SHEET 264	E

FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090201_XS - WEBSTER AVE - (5)

PLOT DATE : 2/1/2019 10:20 AM PLOT BY : SCHAITEL, RYAN PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



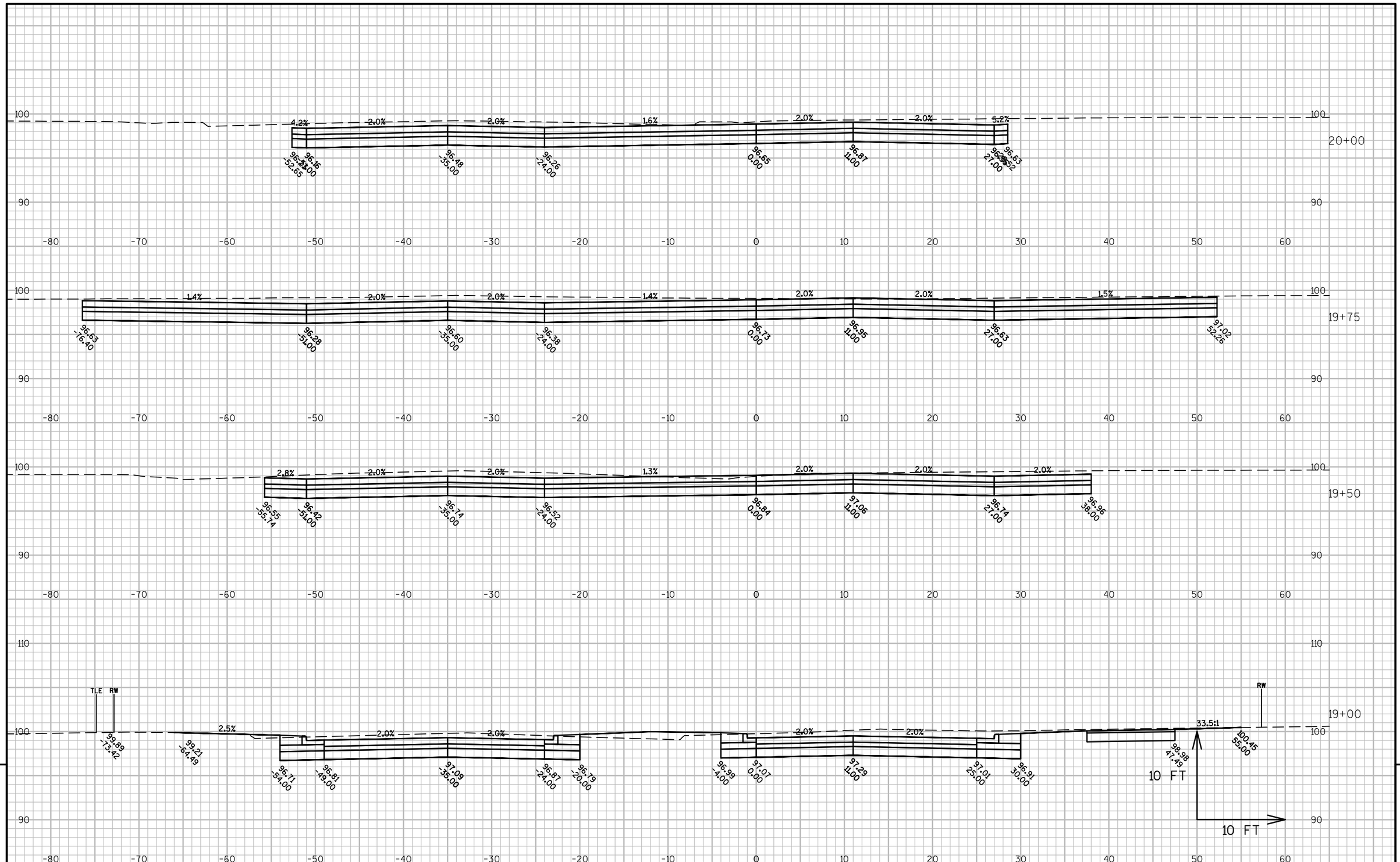
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PROJECT NO: 4987-02-65	HWY: WEBSTER AVE	COUNTY: BROWN	CROSS SECTIONS: CROSS SECTIONS	SHEET 265	E

FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090201_XS - WEBSTER AVE - (6)

PLOT DATE : 2/1/2019 10:21 AM PLOT BY : SCHAITEL, RYAN PLOT NAME : PLOT SCALE : 1 IN:10 FT



9

9

PROJECT NO: 4987-02-65	HWY: WEBSTER AVE	COUNTY: BROWN	CROSS SECTIONS: CROSS SECTIONS	SHEET 266	E

FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090201_XS - WEBSTER AVE - (7)

PLOT DATE : 2/1/2019 10:21 AM PLOT BY : SCHAITEL, RYAN PLOT NAME : PLOT SCALE : 1 IN:10 FT

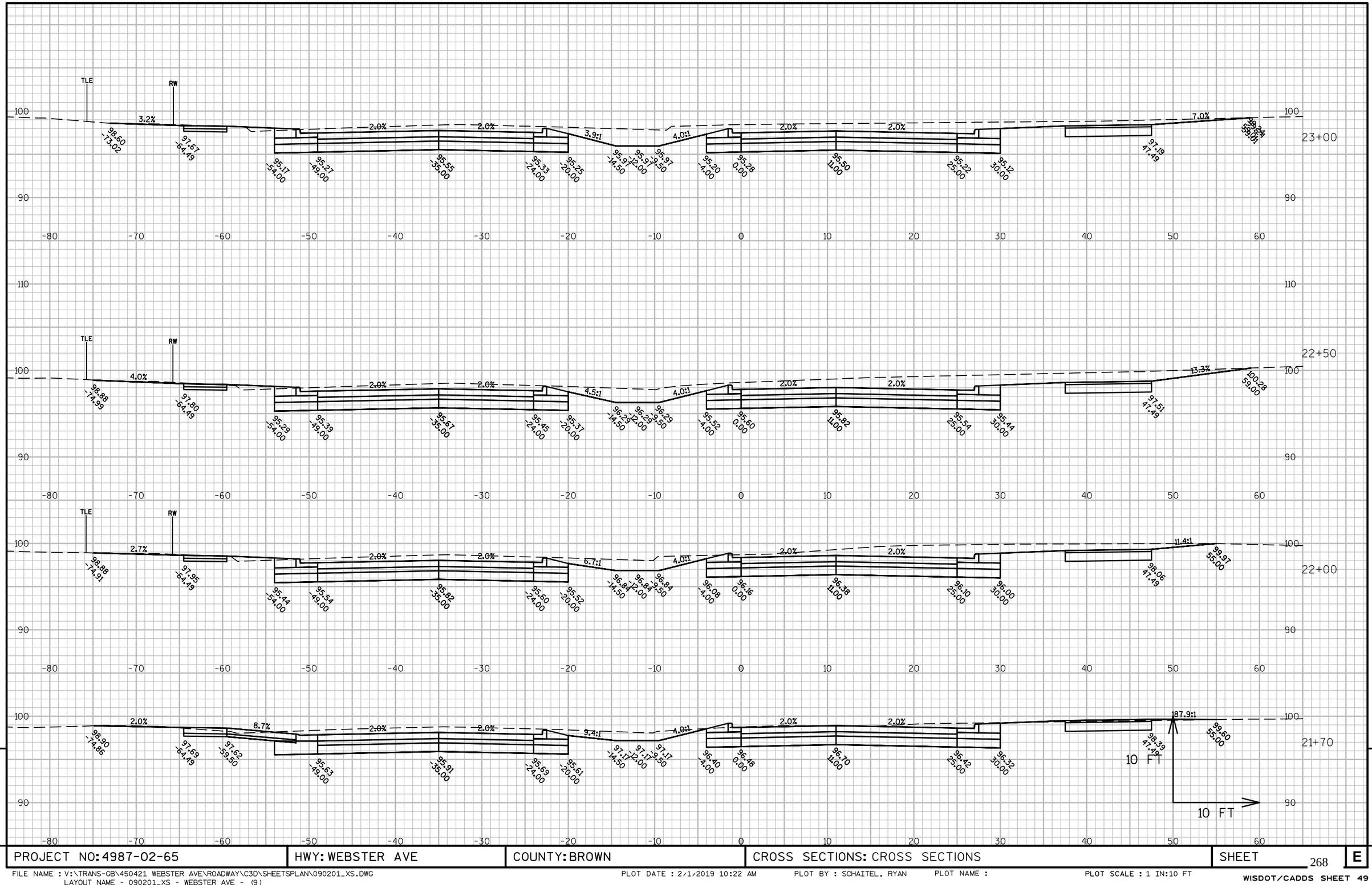
WISDOT/CADDS SHEET 49

PROJECT NO: 4987-02-65	HWY: WEBSTER AVE	COUNTY: BROWN	CROSS SECTIONS: CROSS SECTIONS	SHEET 267	E

FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090201_XS - WEBSTER AVE - (8)

PLOT DATE : 2/1/2019 10:22 AM PLOT BY : SCHAITEL, RYAN PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

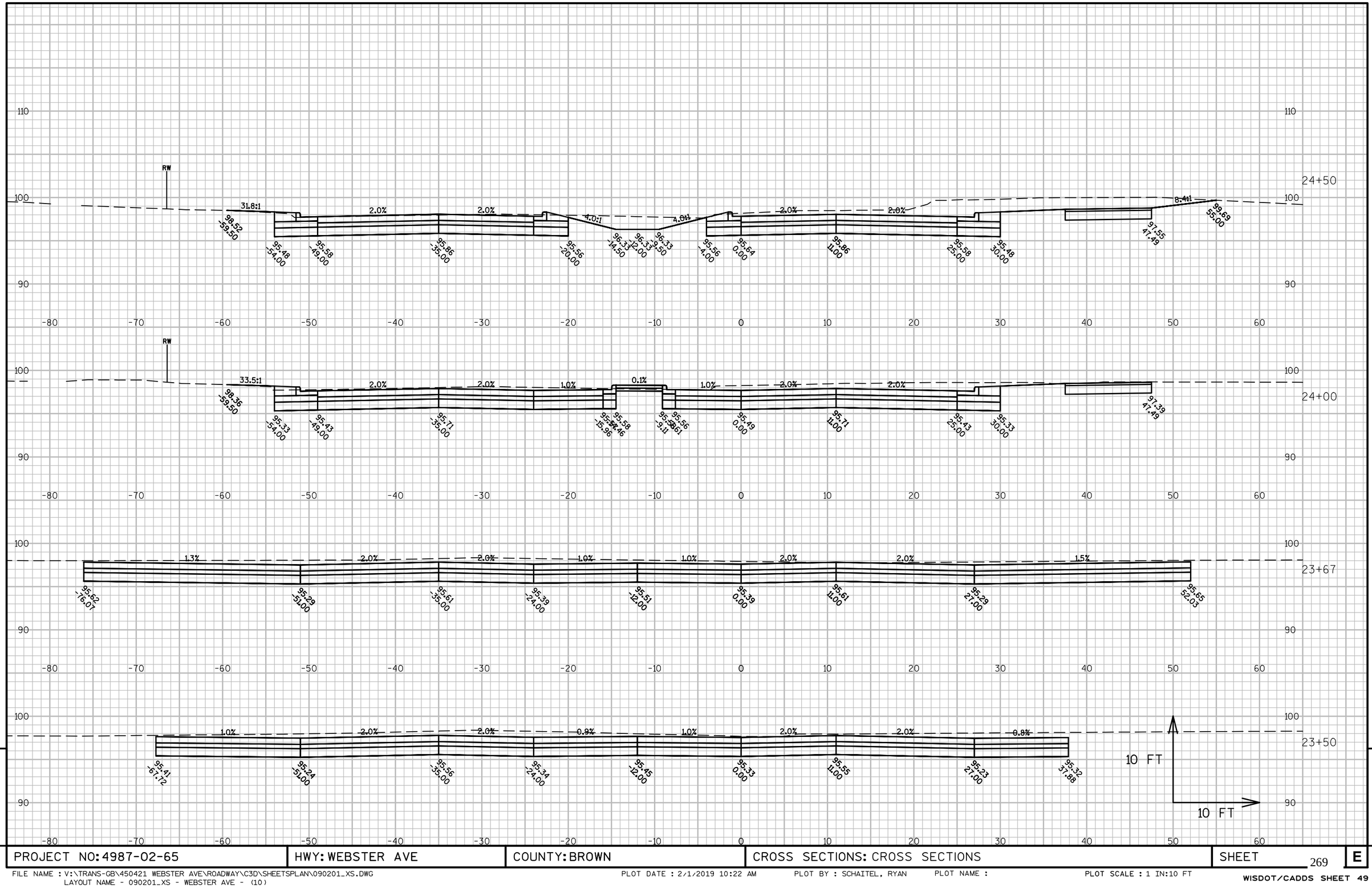


PROJECT NO: 4987-02-65	HWY: WEBSTER AVE	COUNTY: BROWN	CROSS SECTIONS: CROSS SECTIONS	SHEET 268	E

FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090201_XS - WEBSTER AVE - (9)

PLOT DATE : 2/1/2019 10:22 AM PLOT BY : SCHAITEL, RYAN PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

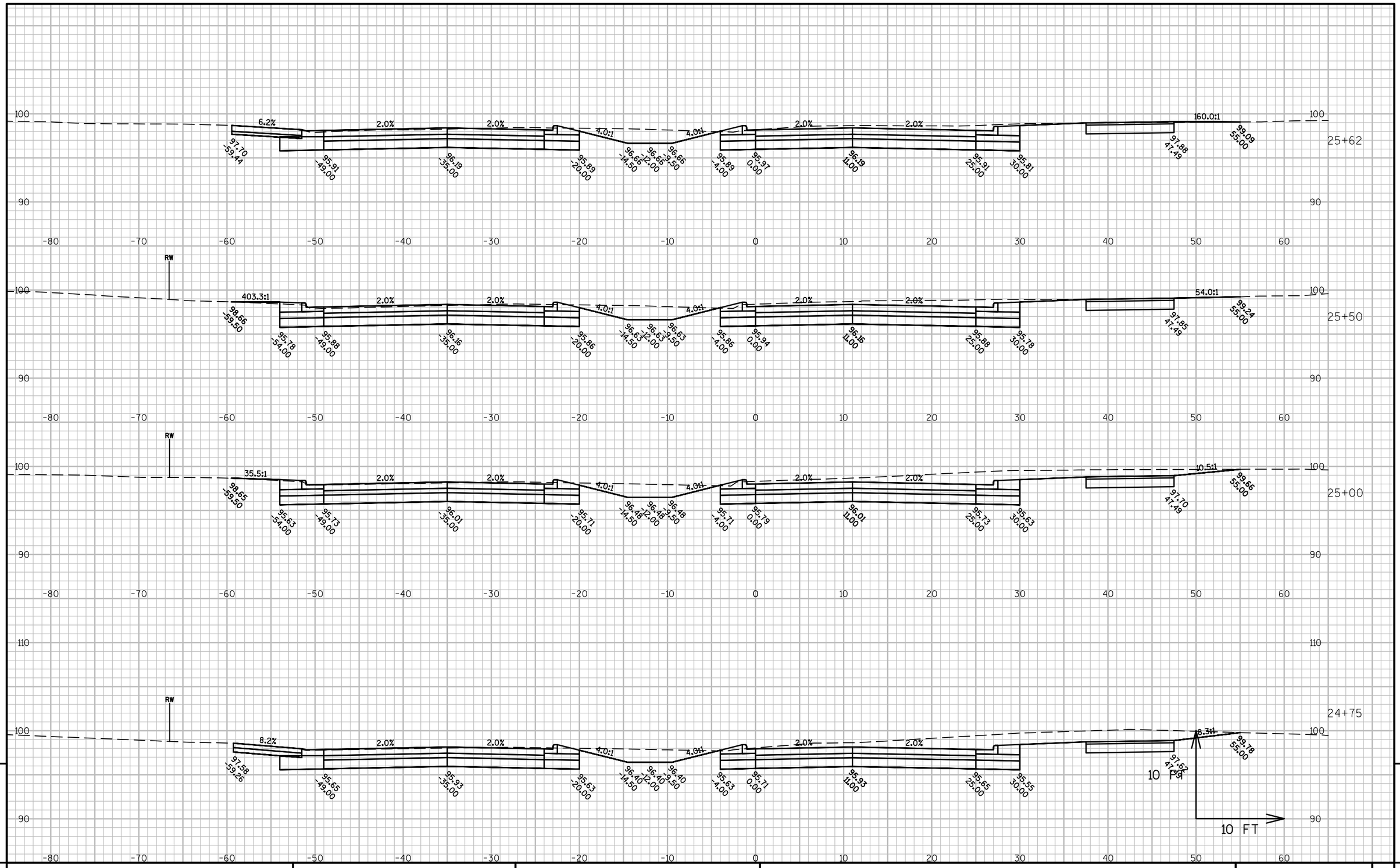


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PROJECT NO: 4987-02-65	HWY: WEBSTER AVE	COUNTY: BROWN	CROSS SECTIONS: CROSS SECTIONS	SHEET 269	E

FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090201_XS - WEBSTER AVE - (10)
PLOT DATE : 2/1/2019 10:22 AM PLOT BY : SCHAITEL, RYAN PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 49

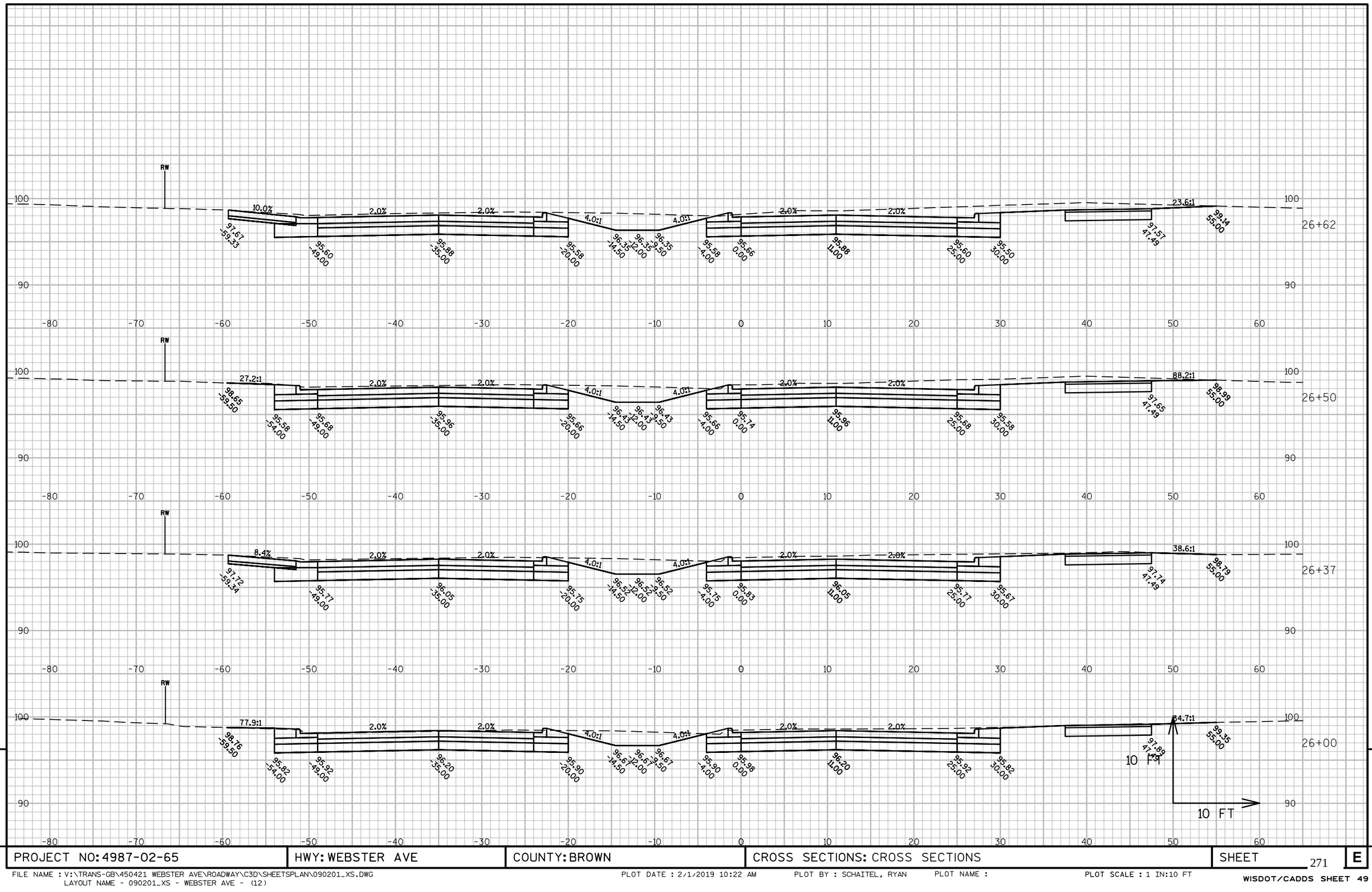


PROJECT NO: 4987-02-65	HWY: WEBSTER AVE	COUNTY: BROWN	CROSS SECTIONS: CROSS SECTIONS	SHEET 270	E

FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090201_XS - WEBSTER AVE - (11)

PLOT DATE : 2/1/2019 10:22 AM PLOT BY : SCHAITEL, RYAN PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

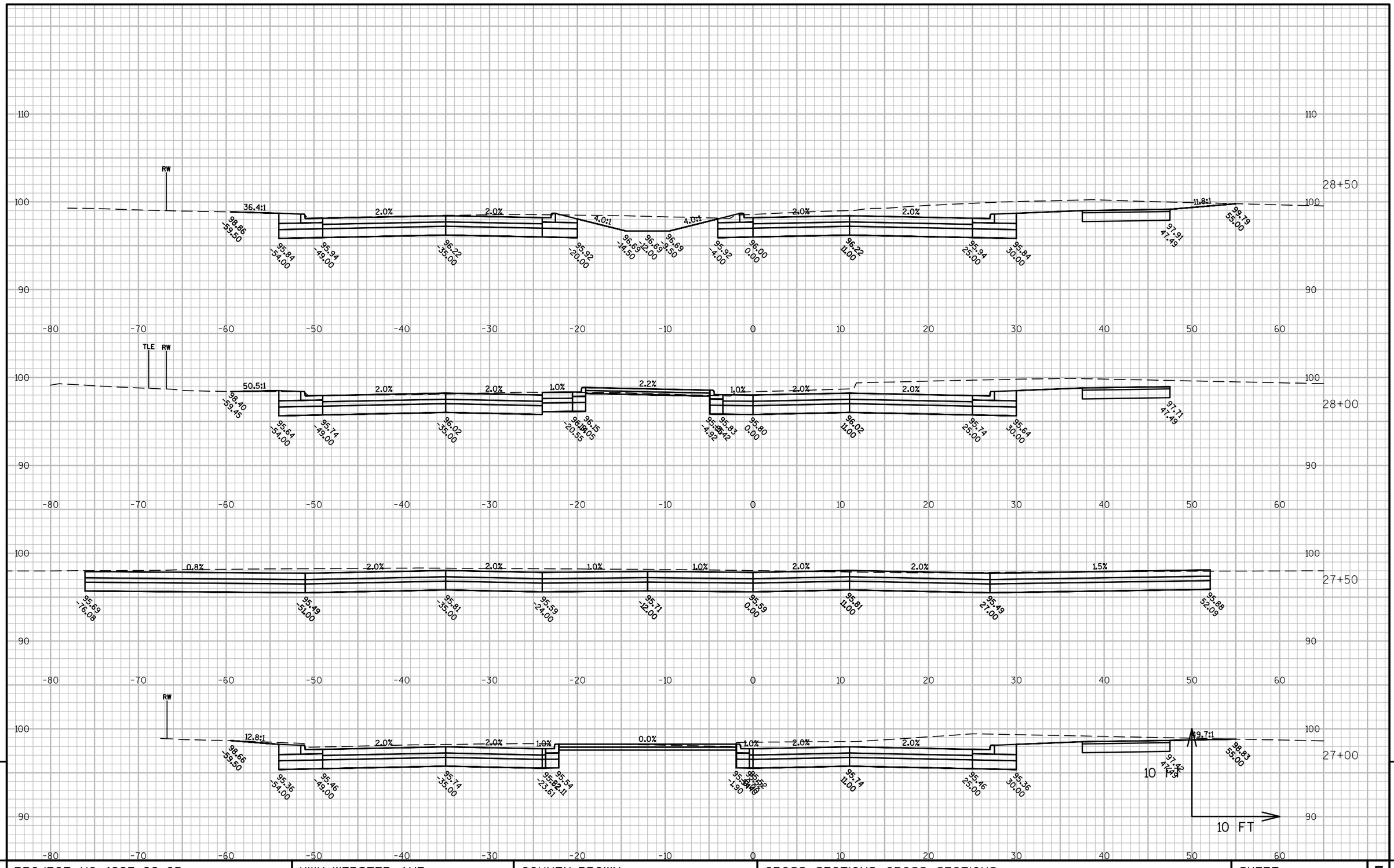


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PROJECT NO: 4987-02-65	HWY: WEBSTER AVE	COUNTY: BROWN	CROSS SECTIONS: CROSS SECTIONS	SHEET 271	E

FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090201_XS - WEBSTER AVE - (12)
PLOT DATE : 2/1/2019 10:22 AM PLOT BY : SCHAITEL, RYAN PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 49

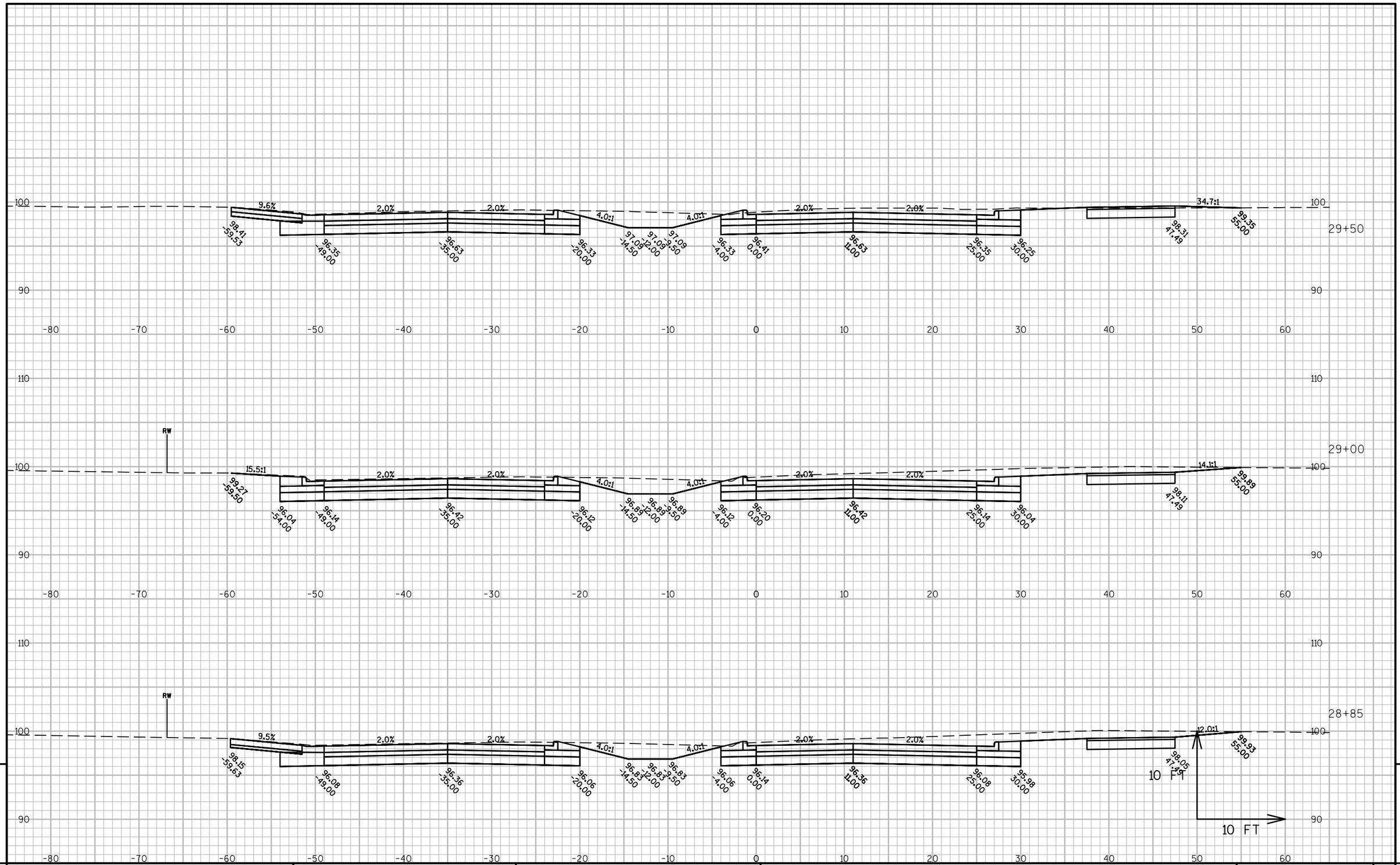


PROJECT NO: 4987-02-65	HWY: WEBSTER AVE	COUNTY: BROWN	CROSS SECTIONS: CROSS SECTIONS	SHEET 272	E

FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090201_XS - WEBSTER AVE - (13)

PLOT DATE : 2/1/2019 10:23 AM PLOT BY : SCHAITEL, RYAN PLOT NAME : PLOT SCALE : 1 IN:10 FT

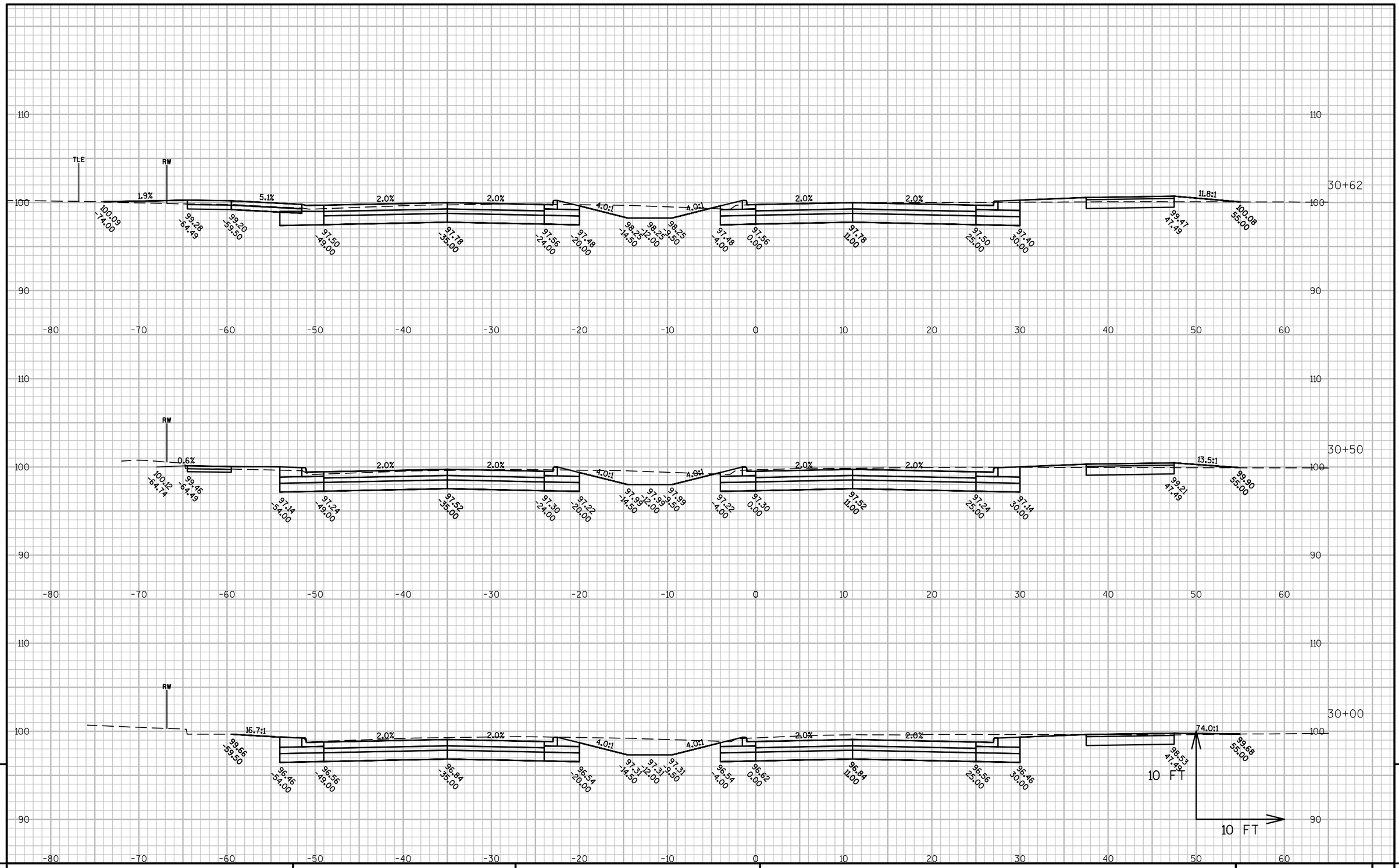
WISDOT/CADDS SHEET 49



PROJECT NO: 4987-02-65	HWY: WEBSTER AVE	COUNTY: BROWN	CROSS SECTIONS: CROSS SECTIONS	SHEET 273 E

FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090201_XS - WEBSTER AVE - (14)

PLOT DATE : 2/1/2019 10:23 AM PLOT BY : SCHAITEL, RYAN PLOT NAME : PLOT SCALE : 1 IN:10 FT



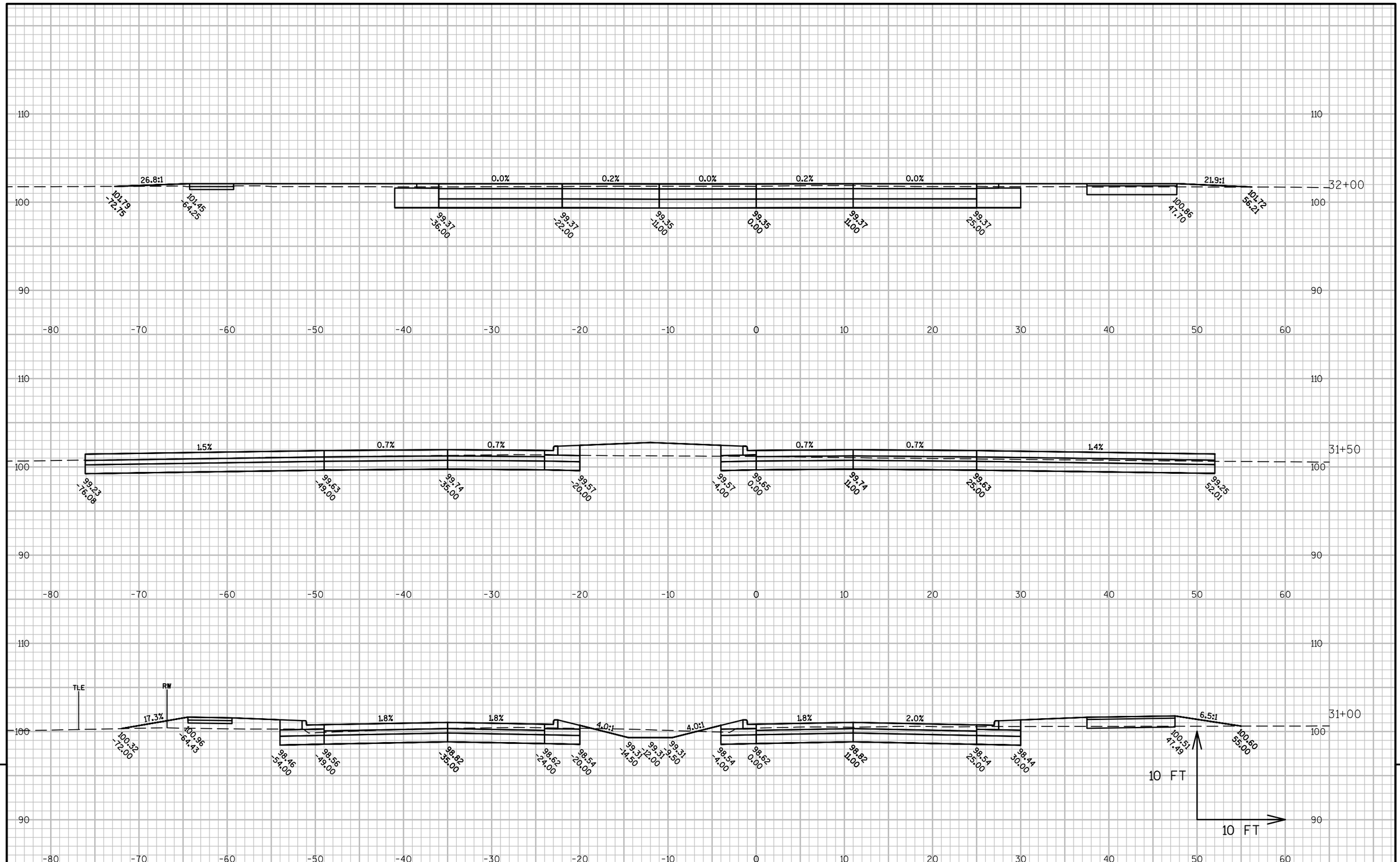
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PROJECT NO: 4987-02-65	HWY: WEBSTER AVE	COUNTY: BROWN	CROSS SECTIONS: CROSS SECTIONS	SHEET 274	E

FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090201_XS - WEBSTER AVE - (15)

PLOT DATE : 2/1/2019 10:23 AM PLOT BY : SCHAITEL, RYAN PLOT NAME : PLOT SCALE : 1 IN:10 FT



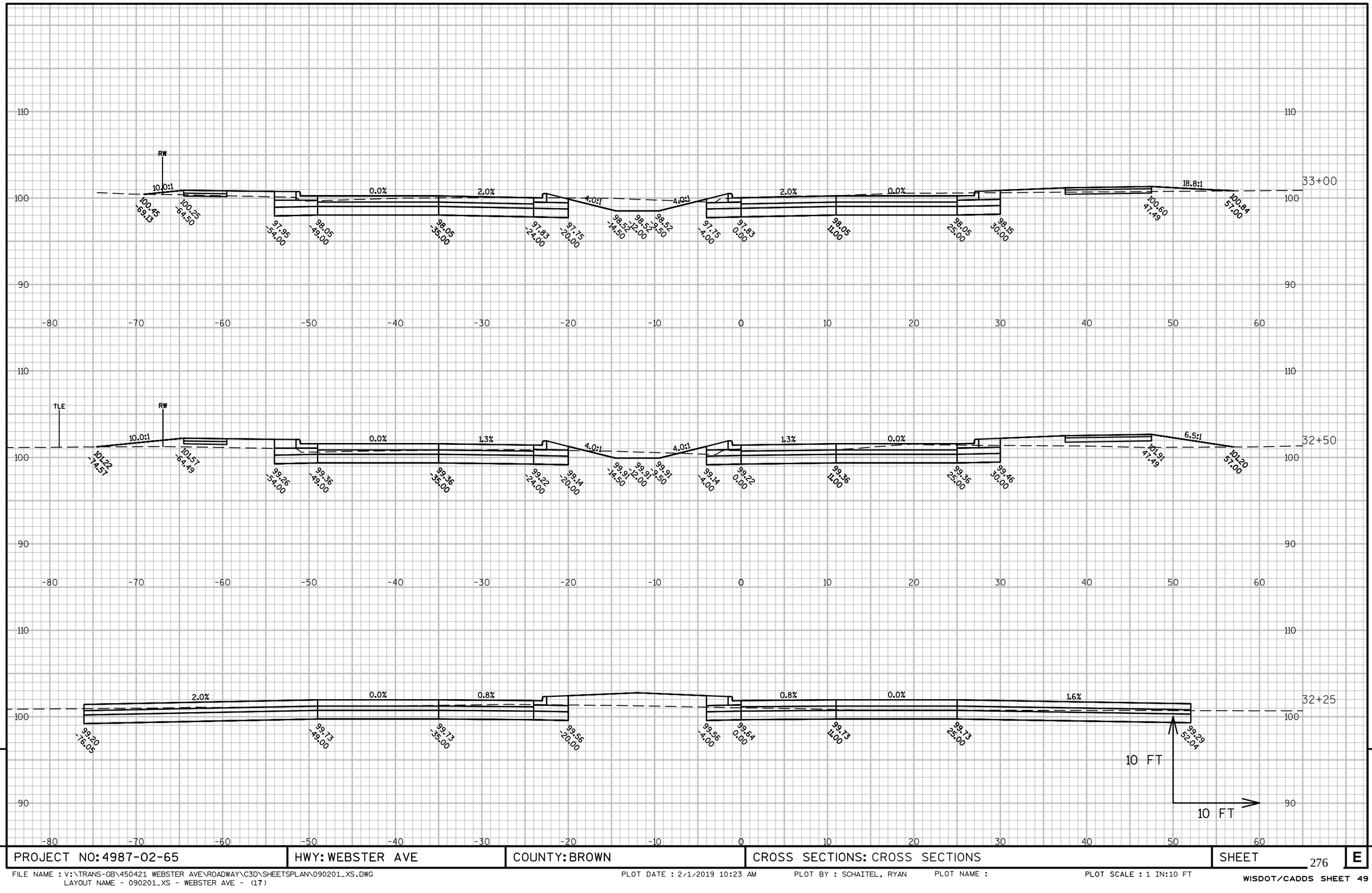
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9

PROJECT NO: 4987-02-65	HWY: WEBSTER AVE	COUNTY: BROWN	CROSS SECTIONS: CROSS SECTIONS	SHEET 275	E

FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090201_XS - WEBSTER AVE - (16)

PLOT DATE : 2/1/2019 10:23 AM PLOT BY : SCHAITEL, RYAN PLOT NAME : PLOT SCALE : 1 IN:10 FT



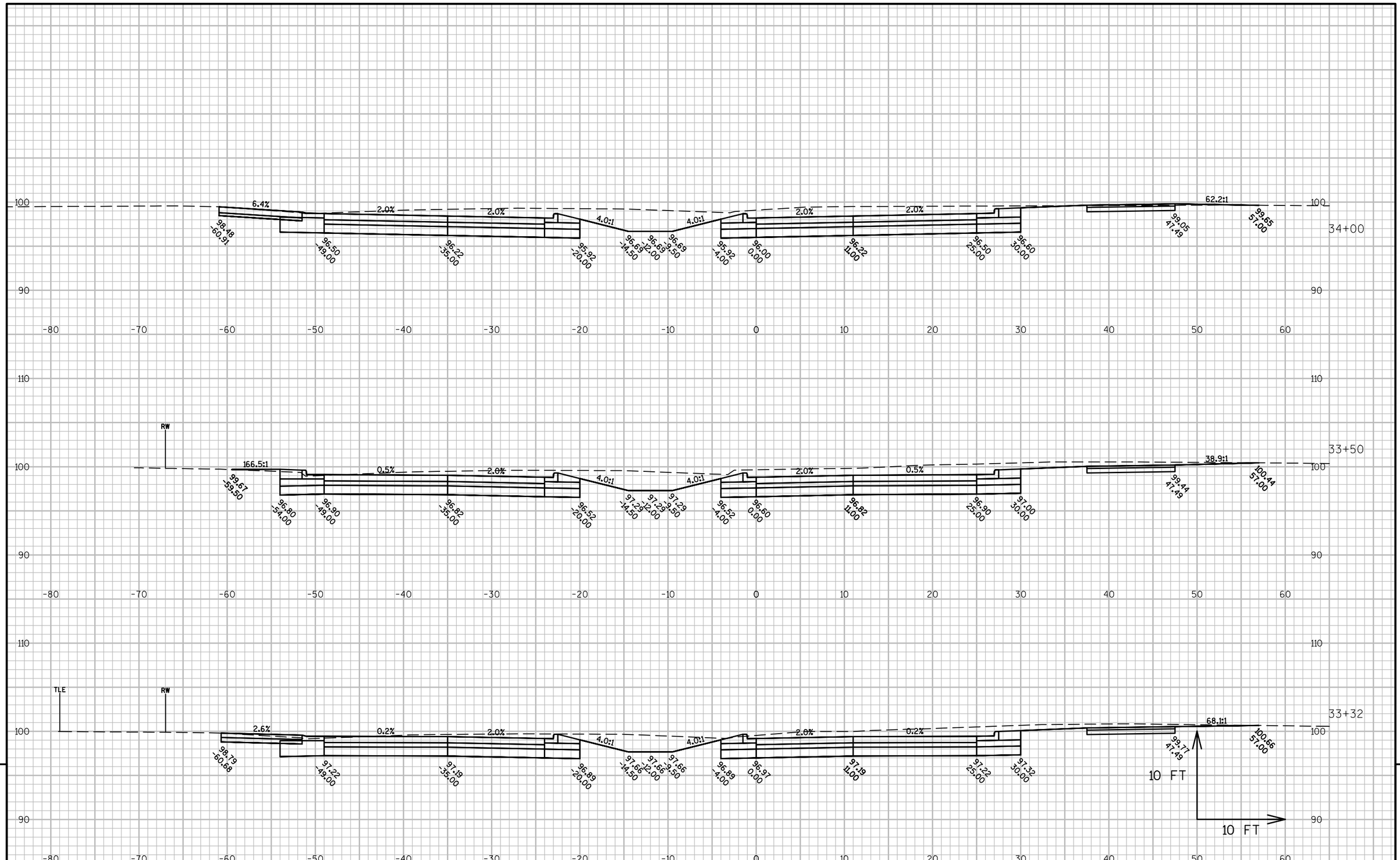
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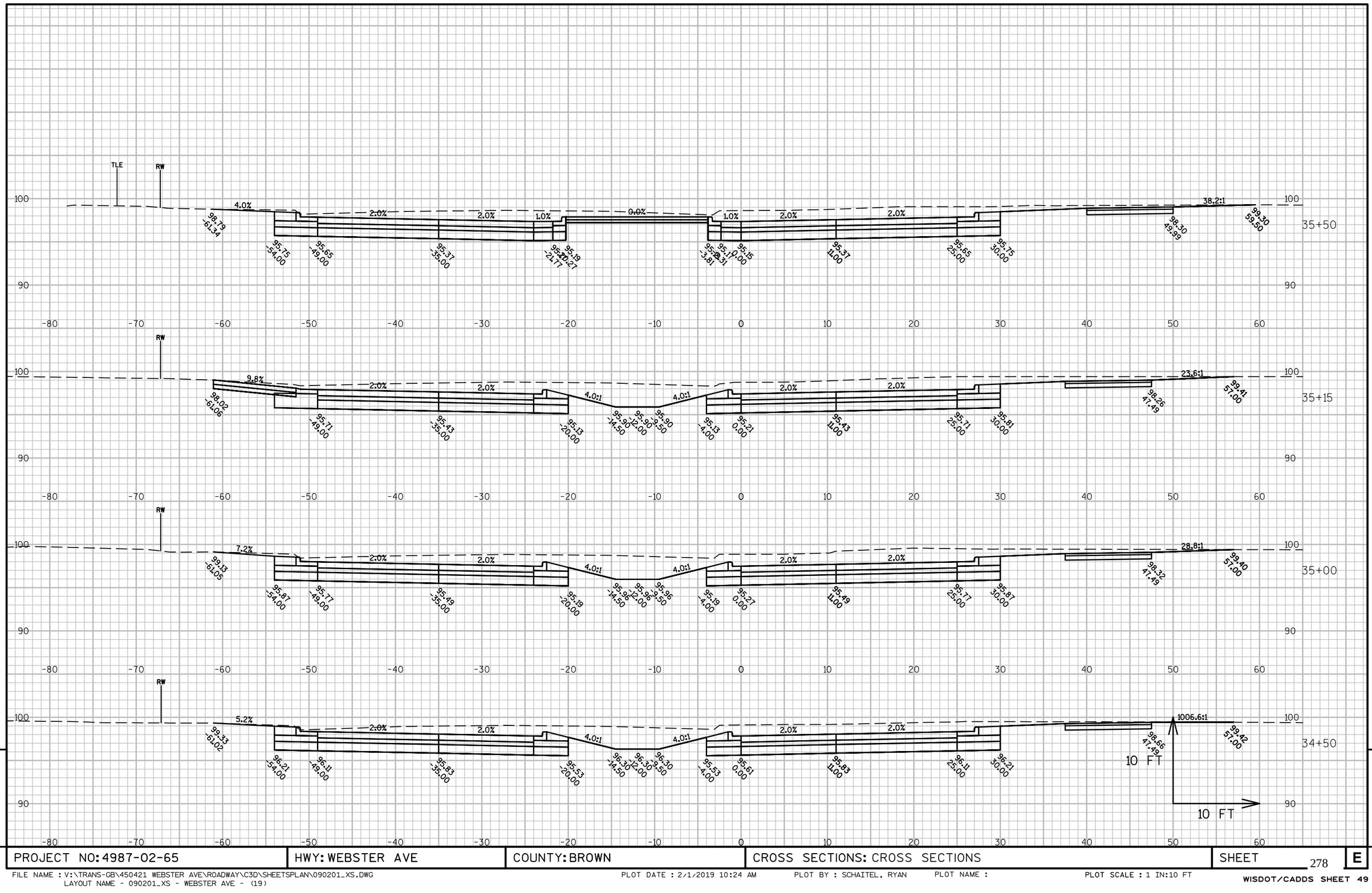
PROJECT NO: 4987-02-65	HWY: WEBSTER AVE	COUNTY: BROWN	CROSS SECTIONS: CROSS SECTIONS	SHEET 276	E

FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090201_XS - WEBSTER AVE - (17)

PLOT DATE : 2/1/2019 10:23 AM PLOT BY : SCHAITEL, RYAN PLOT NAME : PLOT SCALE : 1 IN:10 FT



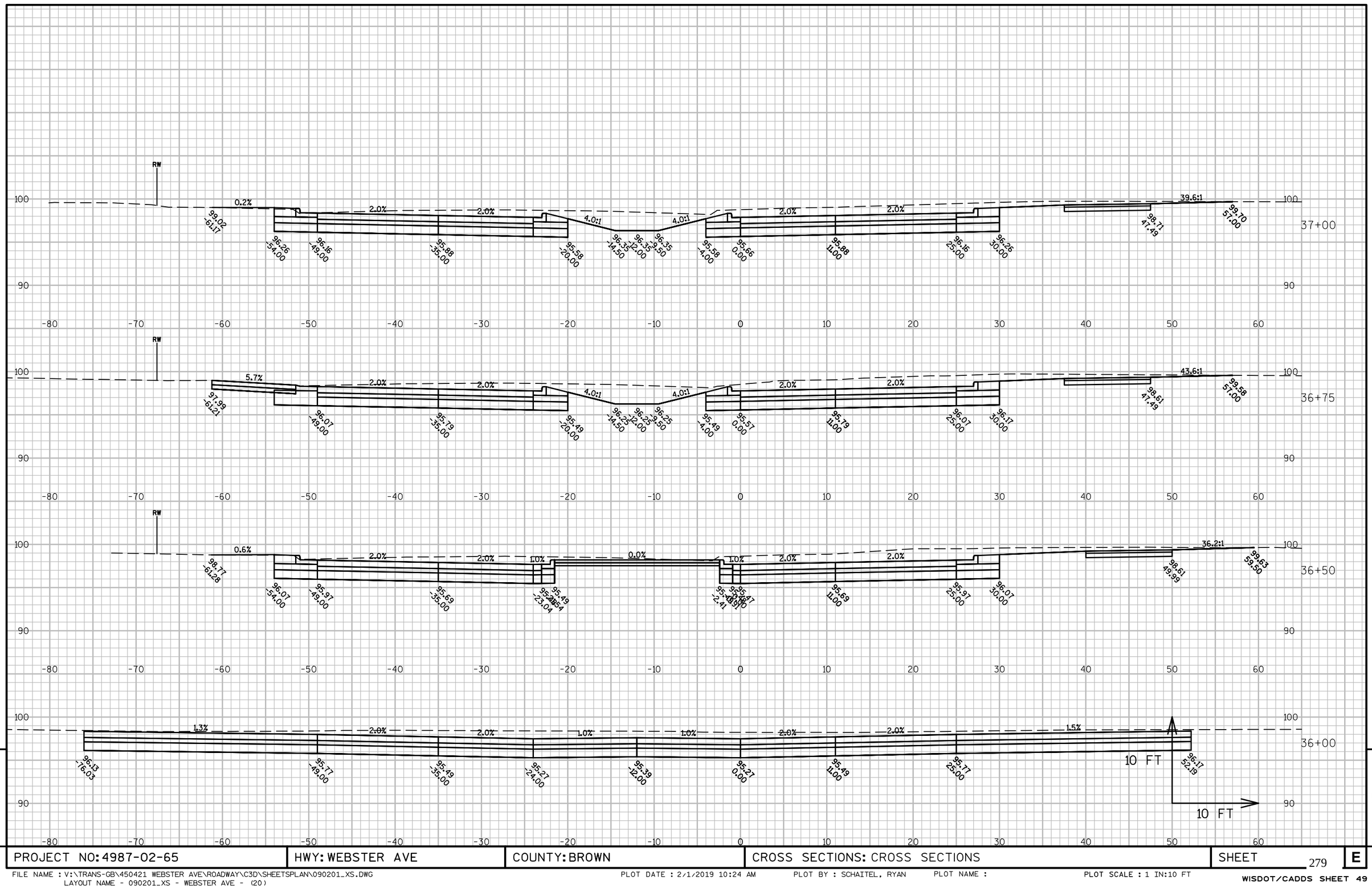
PROJECT NO: 4987-02-65	HWY: WEBSTER AVE	COUNTY: BROWN	CROSS SECTIONS: CROSS SECTIONS	SHEET 277	E



PROJECT NO: 4987-02-65	HWY: WEBSTER AVE	COUNTY: BROWN	CROSS SECTIONS: CROSS SECTIONS	SHEET 278	E

FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090201_XS - WEBSTER AVE - (19)

PLOT DATE : 2/1/2019 10:24 AM PLOT BY : SCHAITEL, RYAN PLOT NAME : PLOT SCALE : 1 IN:10 FT

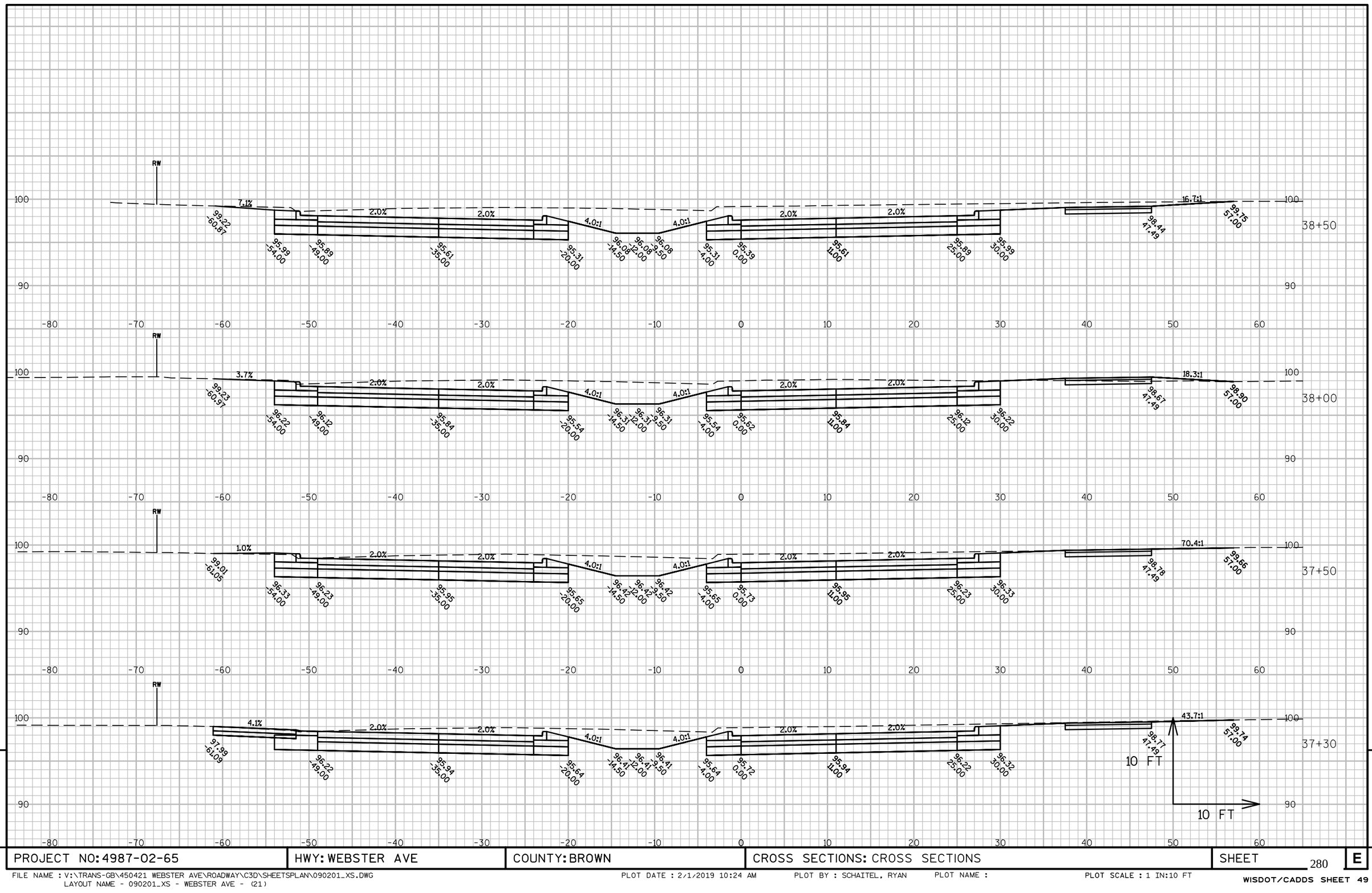


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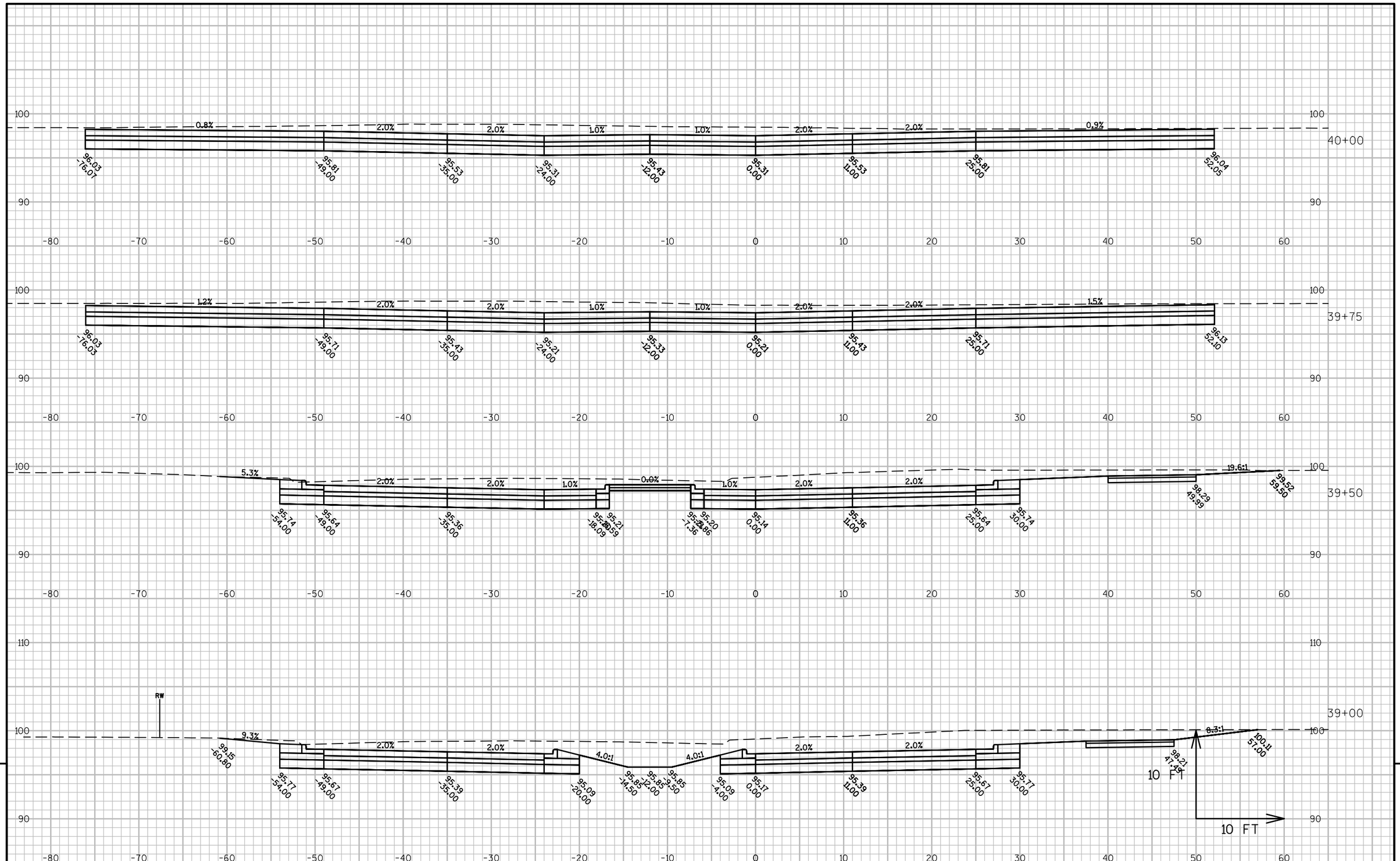
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PROJECT NO: 4987-02-65	HWY: WEBSTER AVE	COUNTY: BROWN	CROSS SECTIONS: CROSS SECTIONS	SHEET 279	E

FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090201_XS - WEBSTER AVE - (20)
PLOT DATE : 2/1/2019 10:24 AM PLOT BY : SCHAITEL, RYAN PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 49



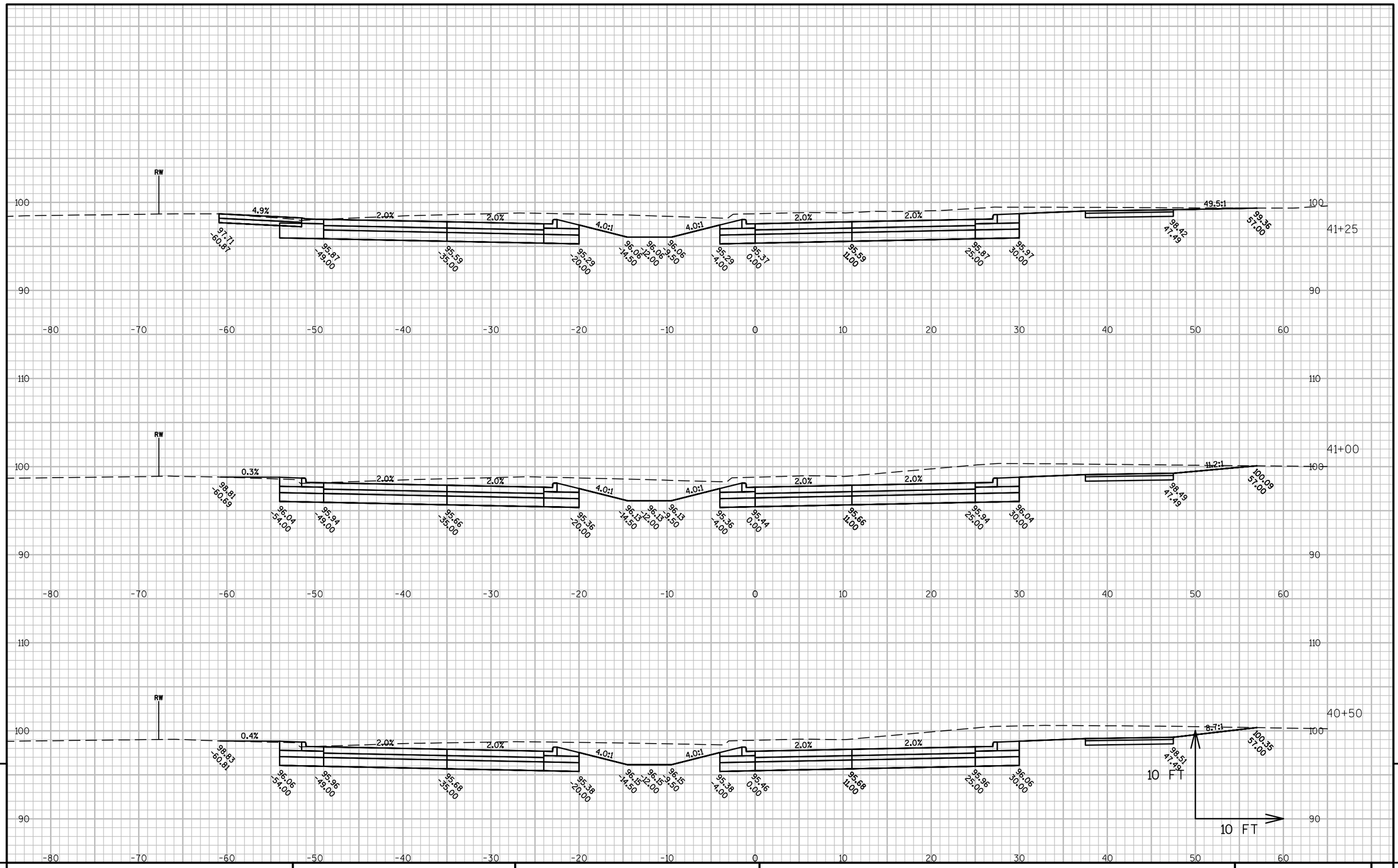
PROJECT NO: 4987-02-65	HWY: WEBSTER AVE	COUNTY: BROWN	CROSS SECTIONS: CROSS SECTIONS	SHEET 280	E



PROJECT NO: 4987-02-65	HWY: WEBSTER AVE	COUNTY: BROWN	CROSS SECTIONS: CROSS SECTIONS	SHEET 281	E

FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090201_XS - WEBSTER AVE - (22)

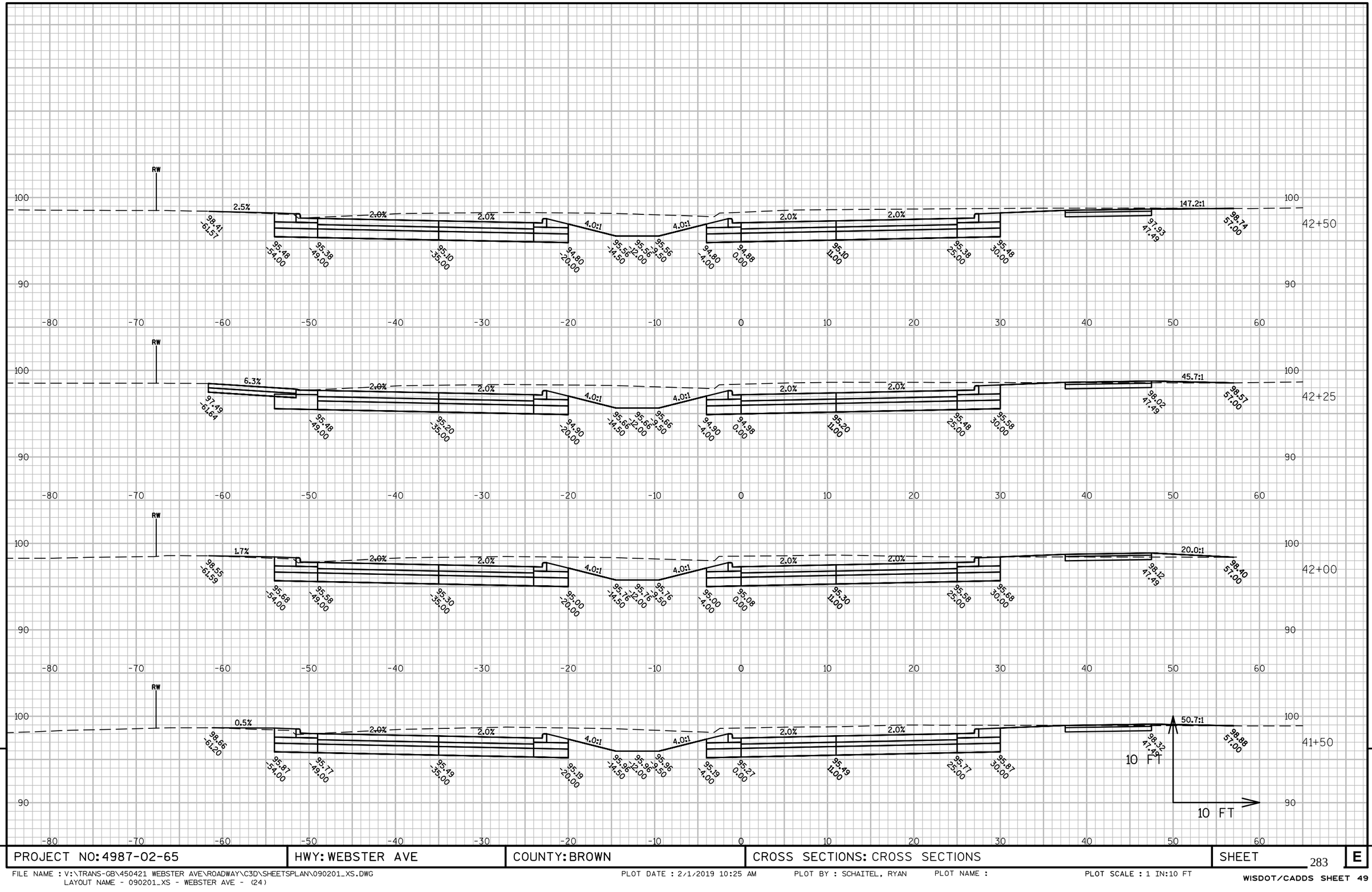
PLOT DATE : 2/1/2019 10:24 AM PLOT BY : SCHAITEL, RYAN PLOT NAME : PLOT SCALE : 1 IN:10 FT



PROJECT NO: 4987-02-65	HWY: WEBSTER AVE	COUNTY: BROWN	CROSS SECTIONS: CROSS SECTIONS	SHEET 282	E

FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090201_XS - WEBSTER AVE - (23)

PLOT DATE : 2/1/2019 10:24 AM PLOT BY : SCHAITEL, RYAN PLOT NAME : PLOT SCALE : 1 IN:10 FT



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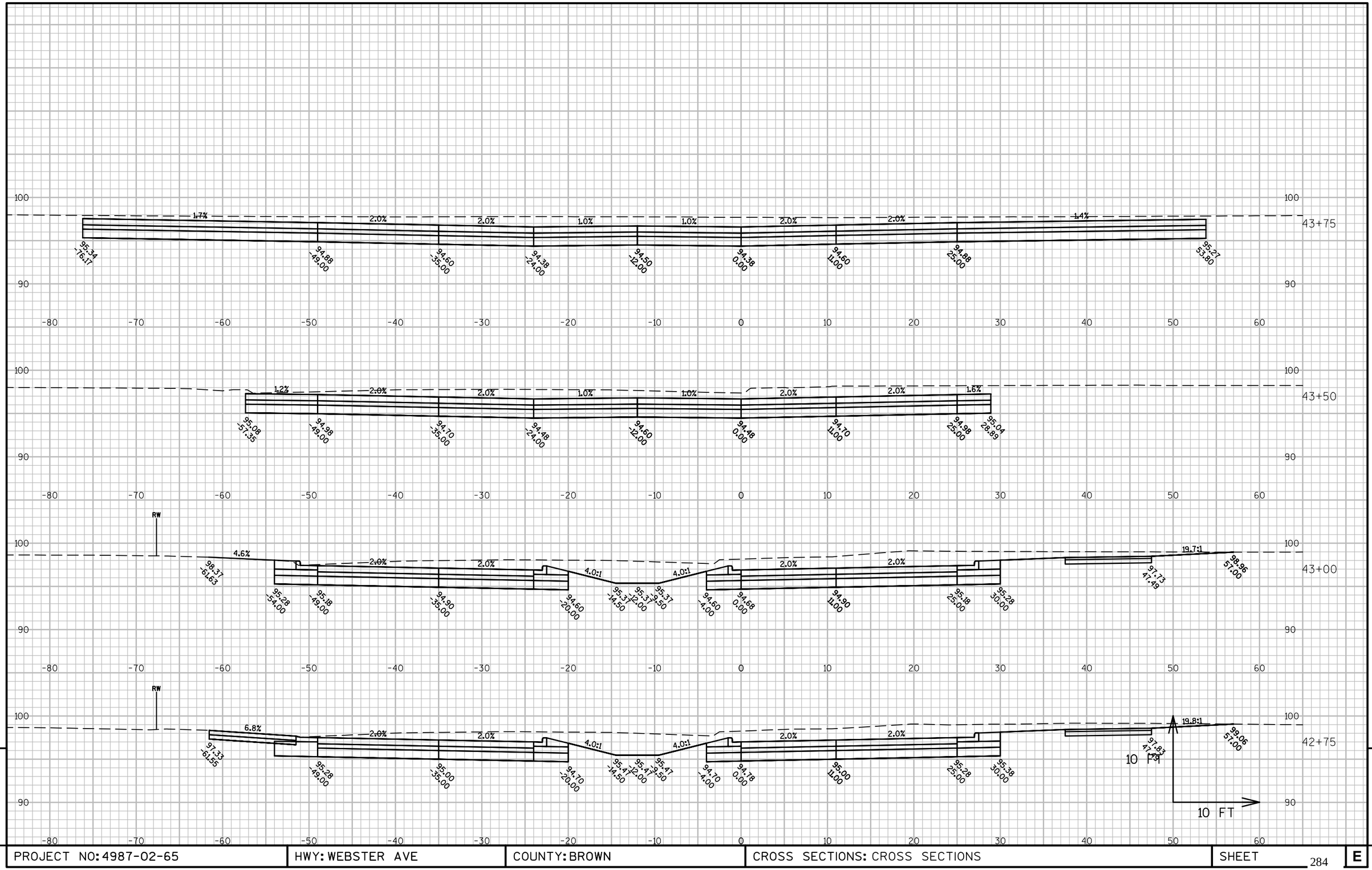
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PROJECT NO: 4987-02-65	HWY: WEBSTER AVE	COUNTY: BROWN	CROSS SECTIONS: CROSS SECTIONS	SHEET 283	E

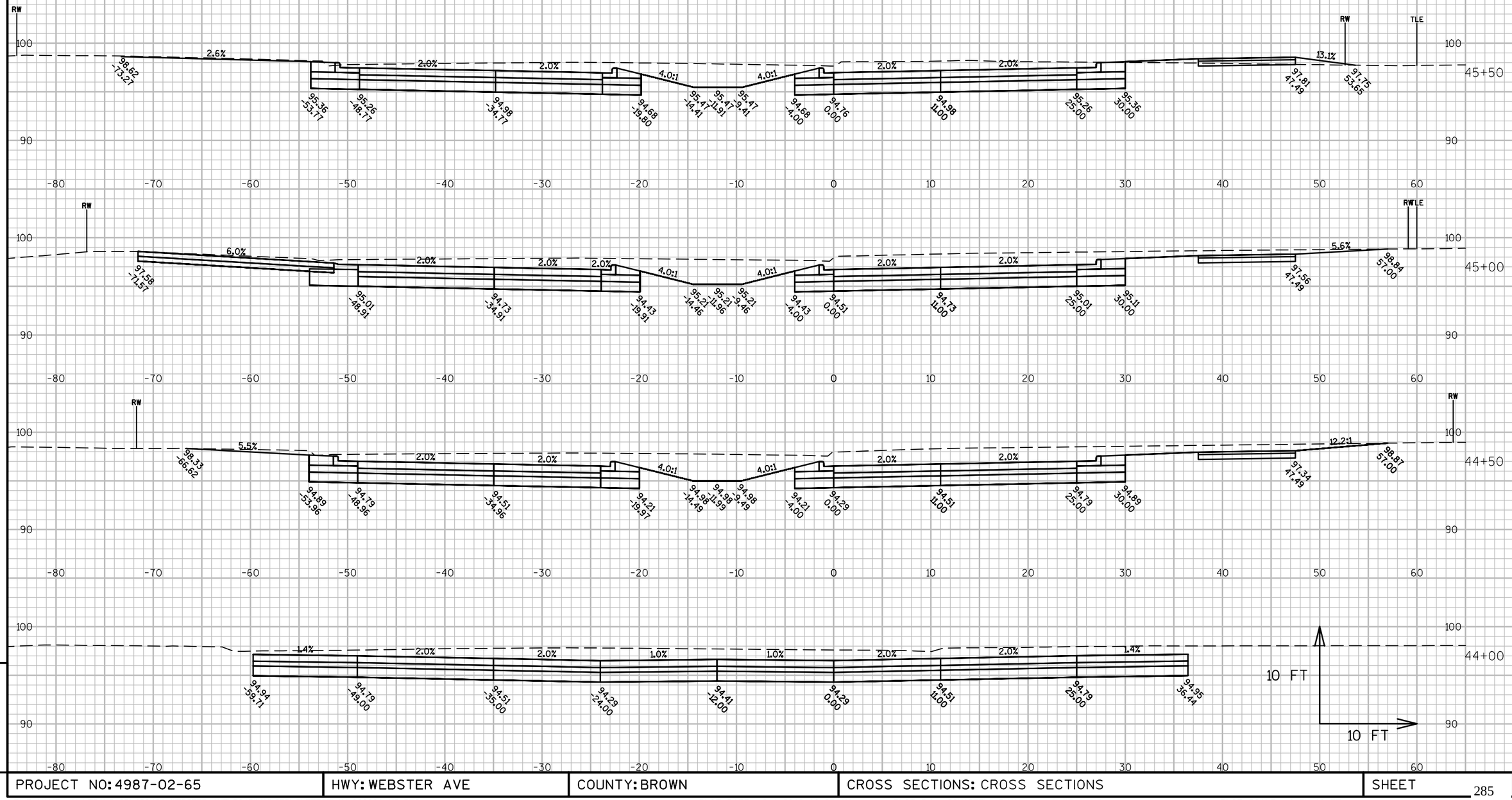
FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090201_XS - WEBSTER AVE - (24)

PLOT DATE : 2/1/2019 10:25 AM PLOT BY : SCHAITEL, RYAN PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



PROJECT NO: 4987-02-65	HWY: WEBSTER AVE	COUNTY: BROWN	CROSS SECTIONS: CROSS SECTIONS	SHEET 284	E



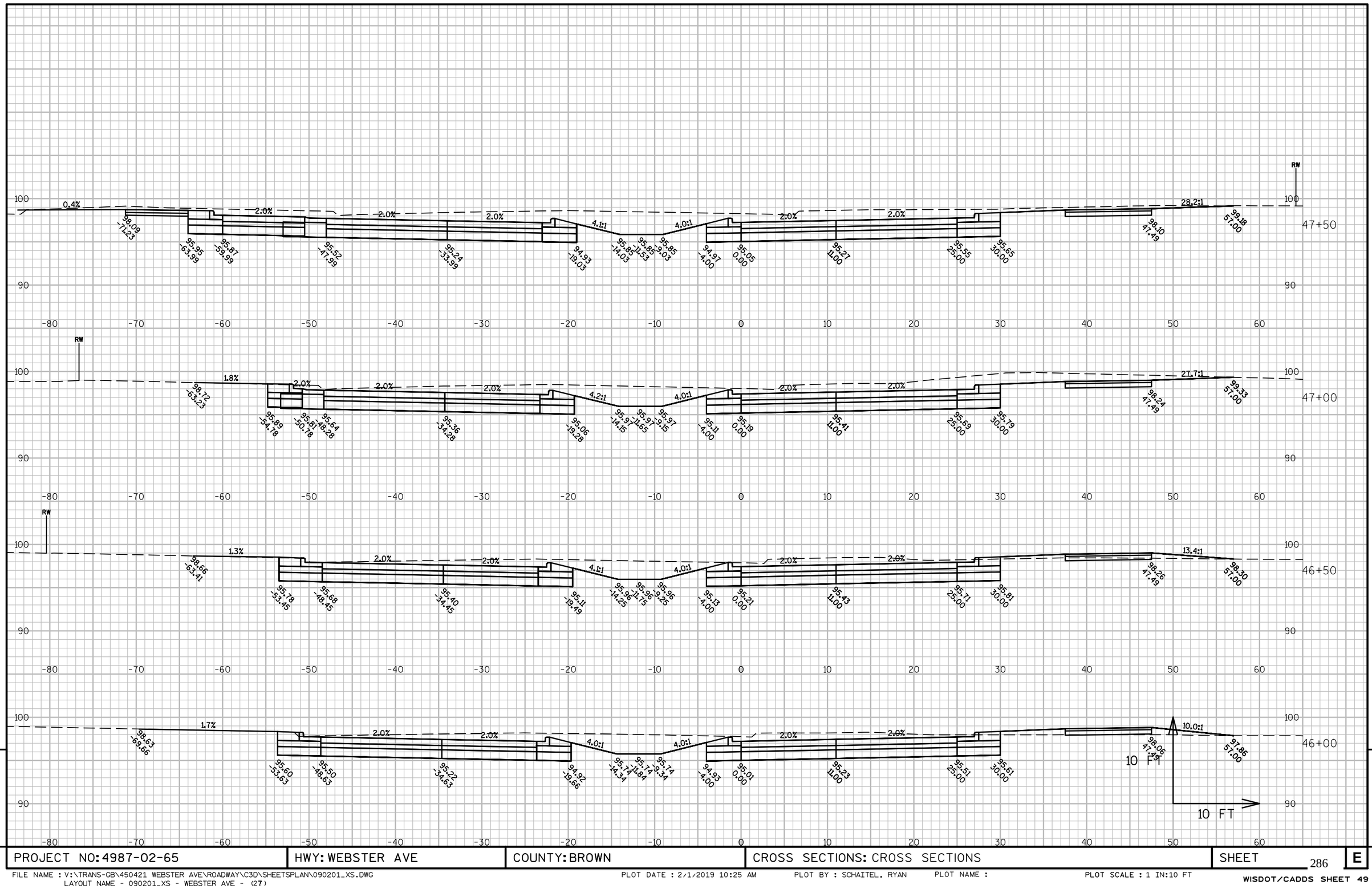
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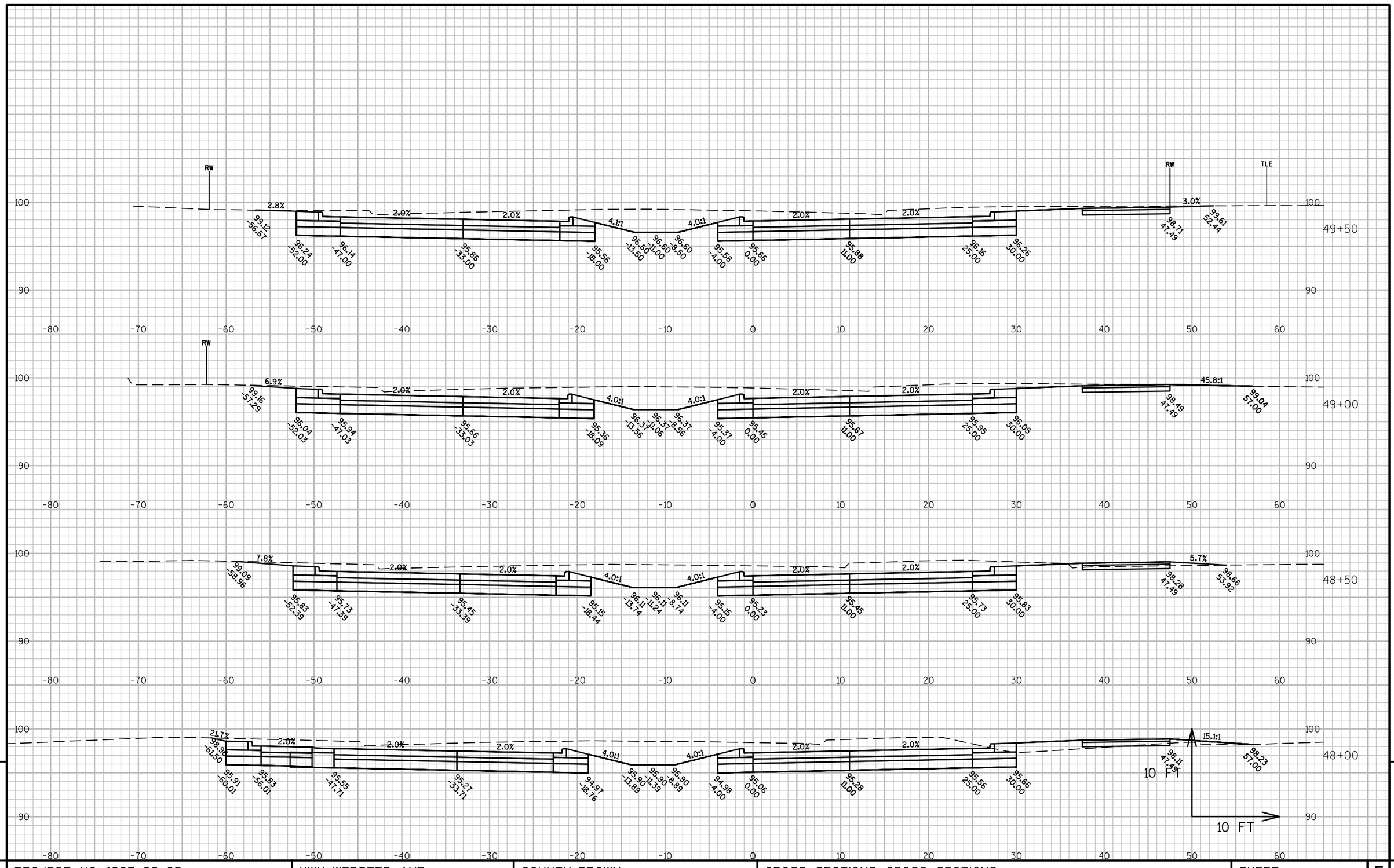
PROJECT NO: 4987-02-65	HWY: WEBSTER AVE	COUNTY: BROWN	CROSS SECTIONS: CROSS SECTIONS	SHEET 285	E

FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090201_XS - WEBSTER AVE - (26)

PLOT DATE : 2/1/2019 10:25 AM PLOT BY : SCHAITEL, RYAN PLOT NAME : PLOT SCALE : 1 IN:10 FT

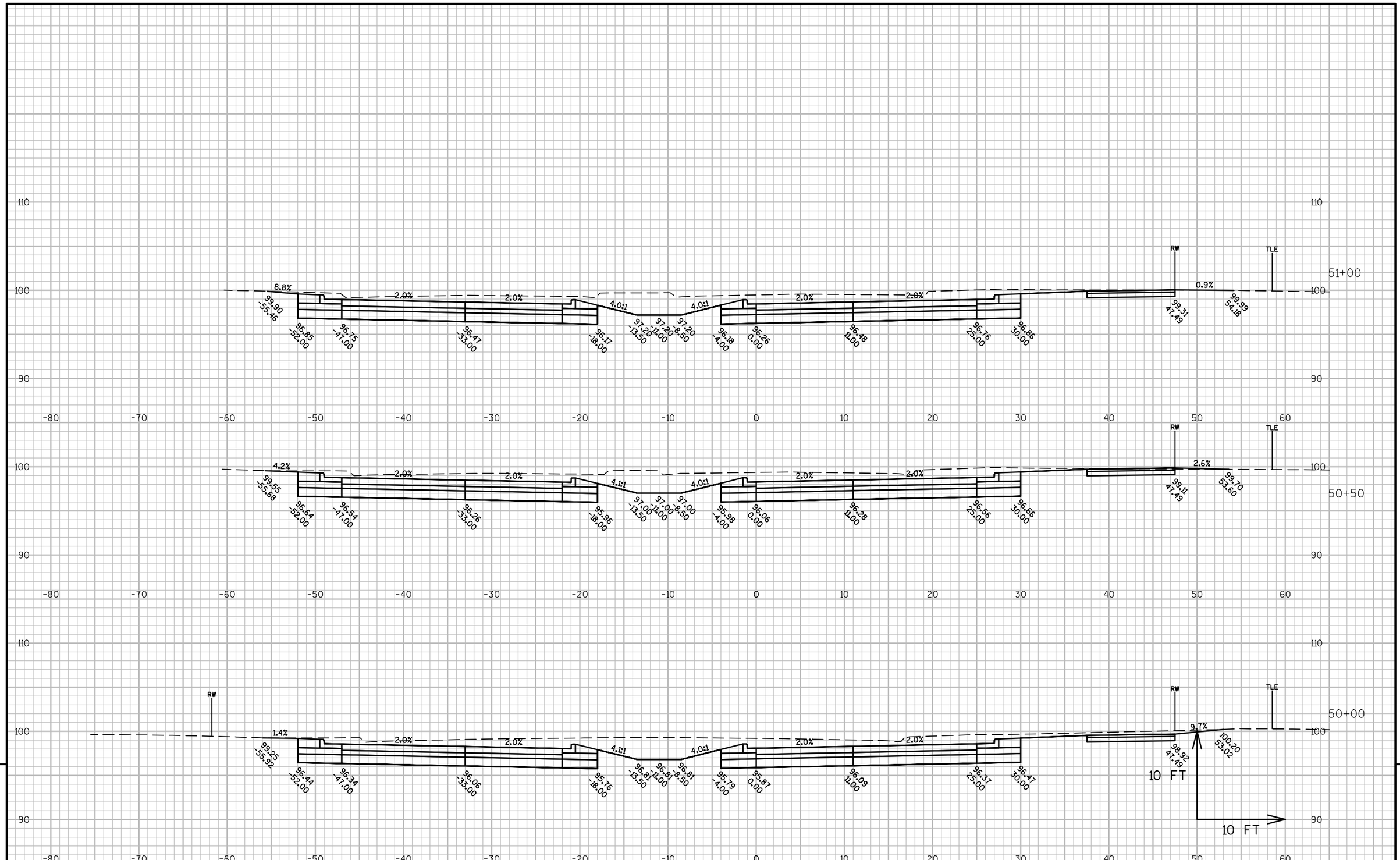


PROJECT NO: 4987-02-65	HWY: WEBSTER AVE	COUNTY: BROWN	CROSS SECTIONS: CROSS SECTIONS	SHEET 286 E



PROJECT NO: 4987-02-65	HWY: WEBSTER AVE	COUNTY: BROWN	CROSS SECTIONS: CROSS SECTIONS	SHEET 287	E

FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090201_XS - WEBSTER AVE - (28)
PLOT DATE : 2/1/2019 10:25 AM PLOT BY : SCHAITEL, RYAN PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 49

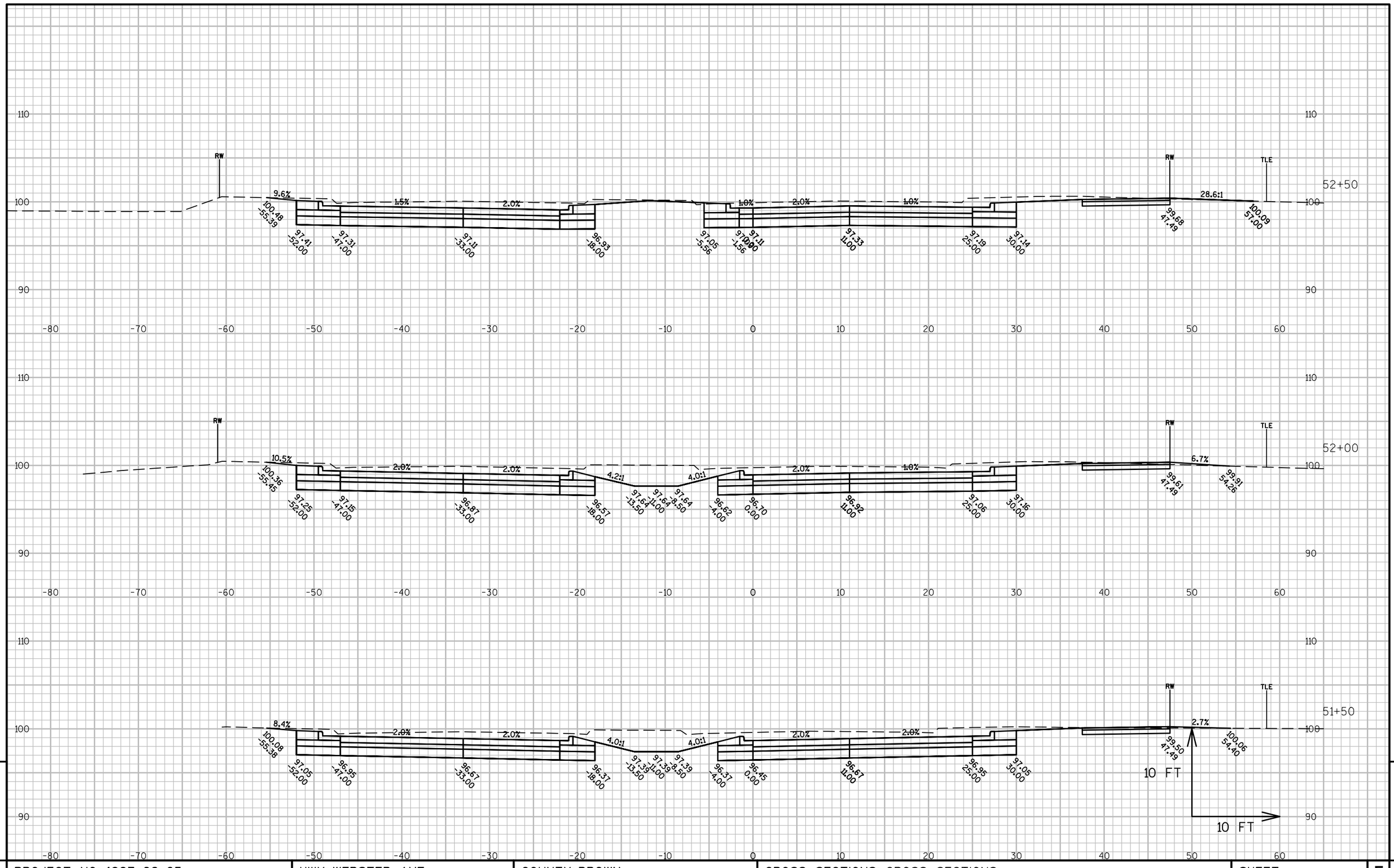


PROJECT NO: 4987-02-65	HWY: WEBSTER AVE	COUNTY: BROWN	CROSS SECTIONS: CROSS SECTIONS	SHEET 288	E

FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090201_XS - WEBSTER AVE - (29)

PLOT DATE : 2/1/2019 10:25 AM PLOT BY : SCHAITEL, RYAN PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



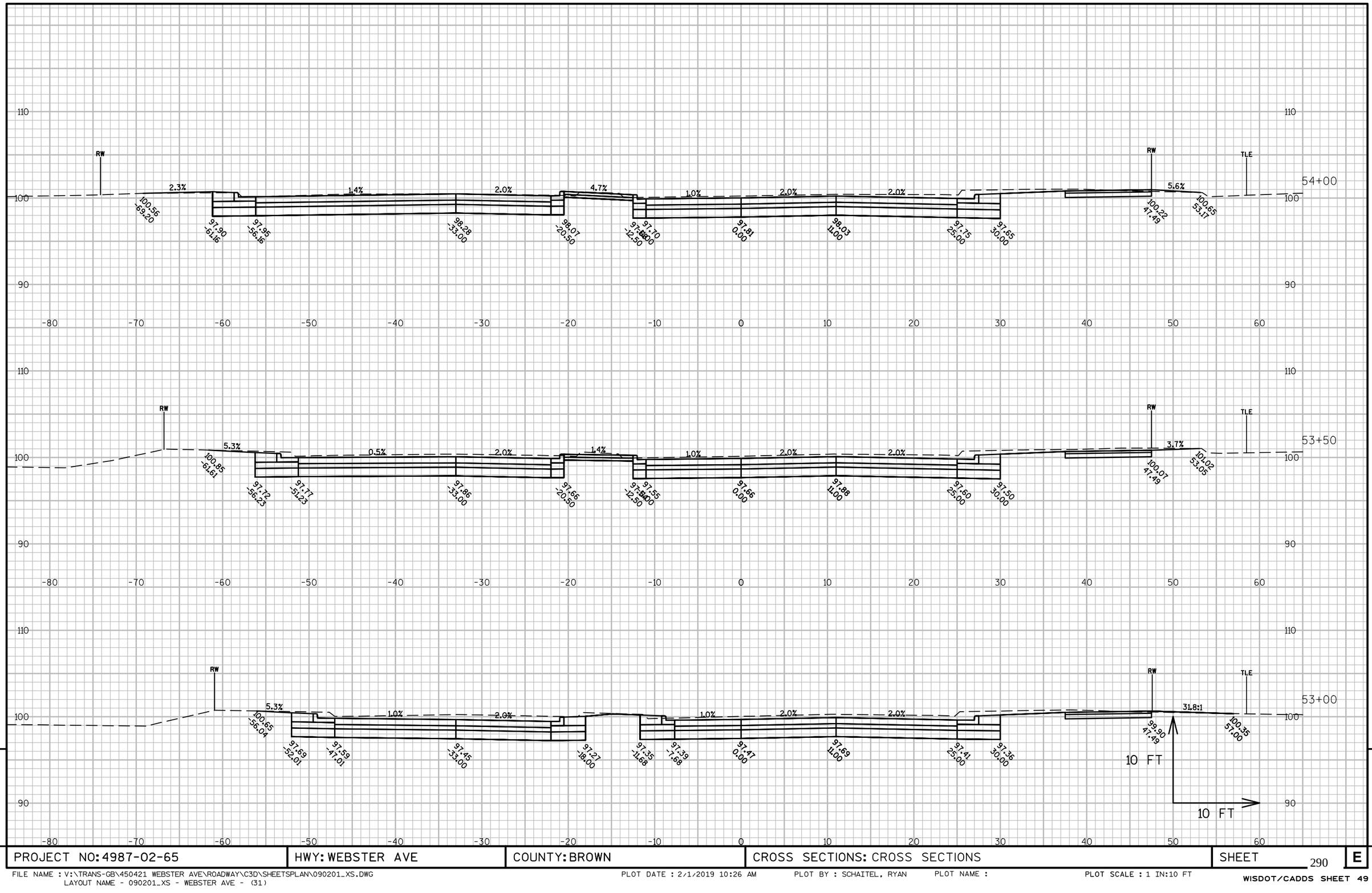
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PROJECT NO: 4987-02-65	HWY: WEBSTER AVE	COUNTY: BROWN	CROSS SECTIONS: CROSS SECTIONS	SHEET 289	E

FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090201_XS - WEBSTER AVE - (30)

PLOT DATE : 2/1/2019 10:26 AM PLOT BY : SCHAITEL, RYAN PLOT NAME : PLOT SCALE : 1 IN:10 FT

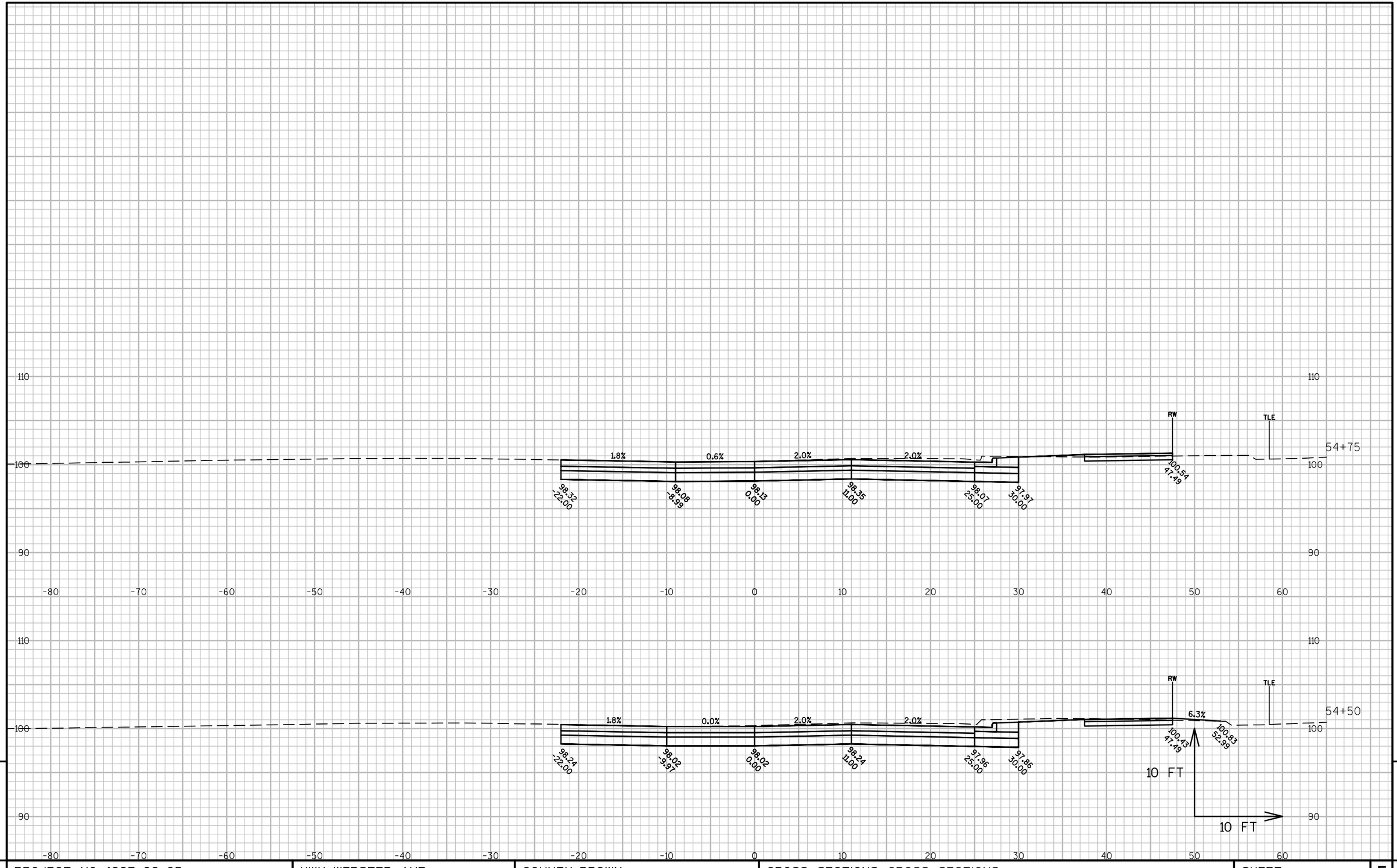


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PROJECT NO: 4987-02-65	HWY: WEBSTER AVE	COUNTY: BROWN	CROSS SECTIONS: CROSS SECTIONS	SHEET 290	E

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FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090201_XS - WEBSTER AVE - (31)
PLOT DATE : 2/1/2019 10:26 AM PLOT BY : SCHAITEL, RYAN PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 49



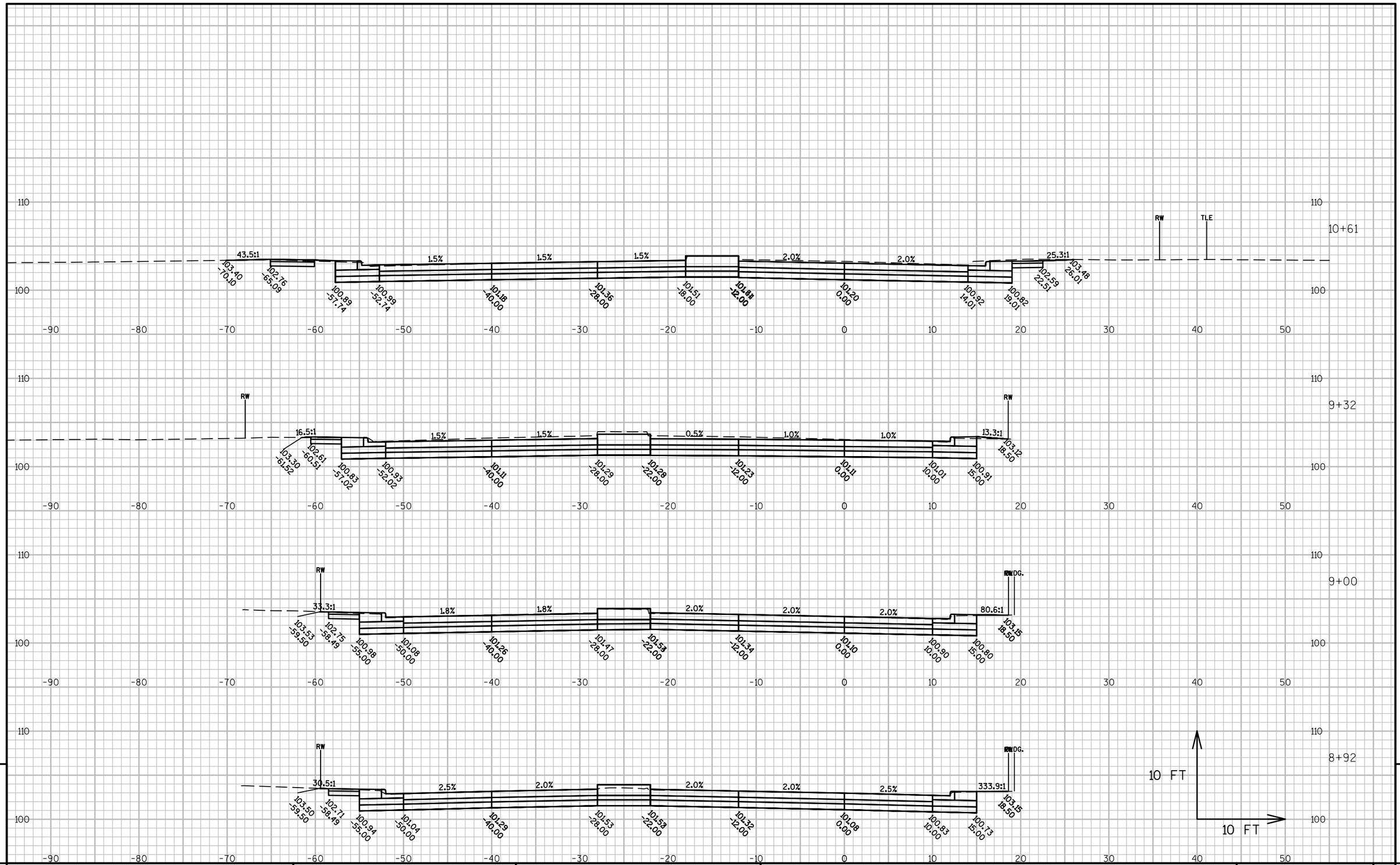
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PROJECT NO: 4987-02-65	HWY: WEBSTER AVE	COUNTY: BROWN	CROSS SECTIONS: CROSS SECTIONS	SHEET 291	E

FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090201_XS - WEBSTER AVE - (32)

PLOT DATE : 2/1/2019 10:26 AM PLOT BY : SCHAITEL, RYAN PLOT NAME : PLOT SCALE : 1 IN:10 FT

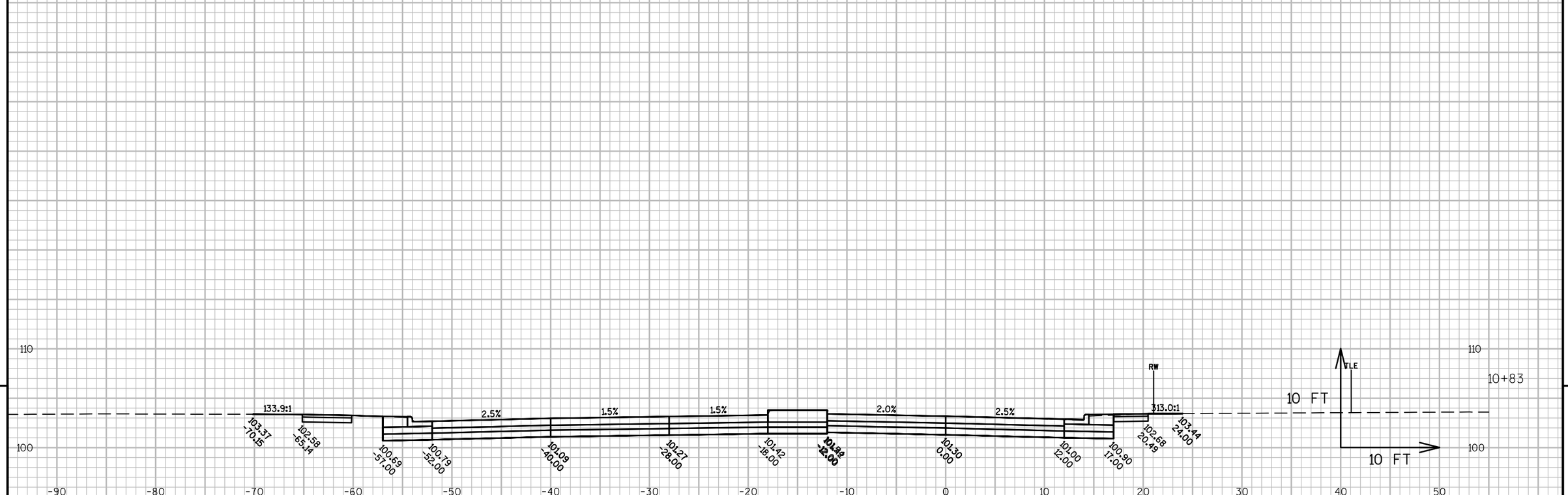


PROJECT NO: 4987-02-65	HWY: WEBSTER AVE	COUNTY: BROWN	CROSS SECTIONS: UNIVERSITY AVE	SHEET 292	E

FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - UNIVERSITY AVE

PLOT DATE : 2/1/2019 10:26 AM PLOT BY : SCHAITEL, RYAN PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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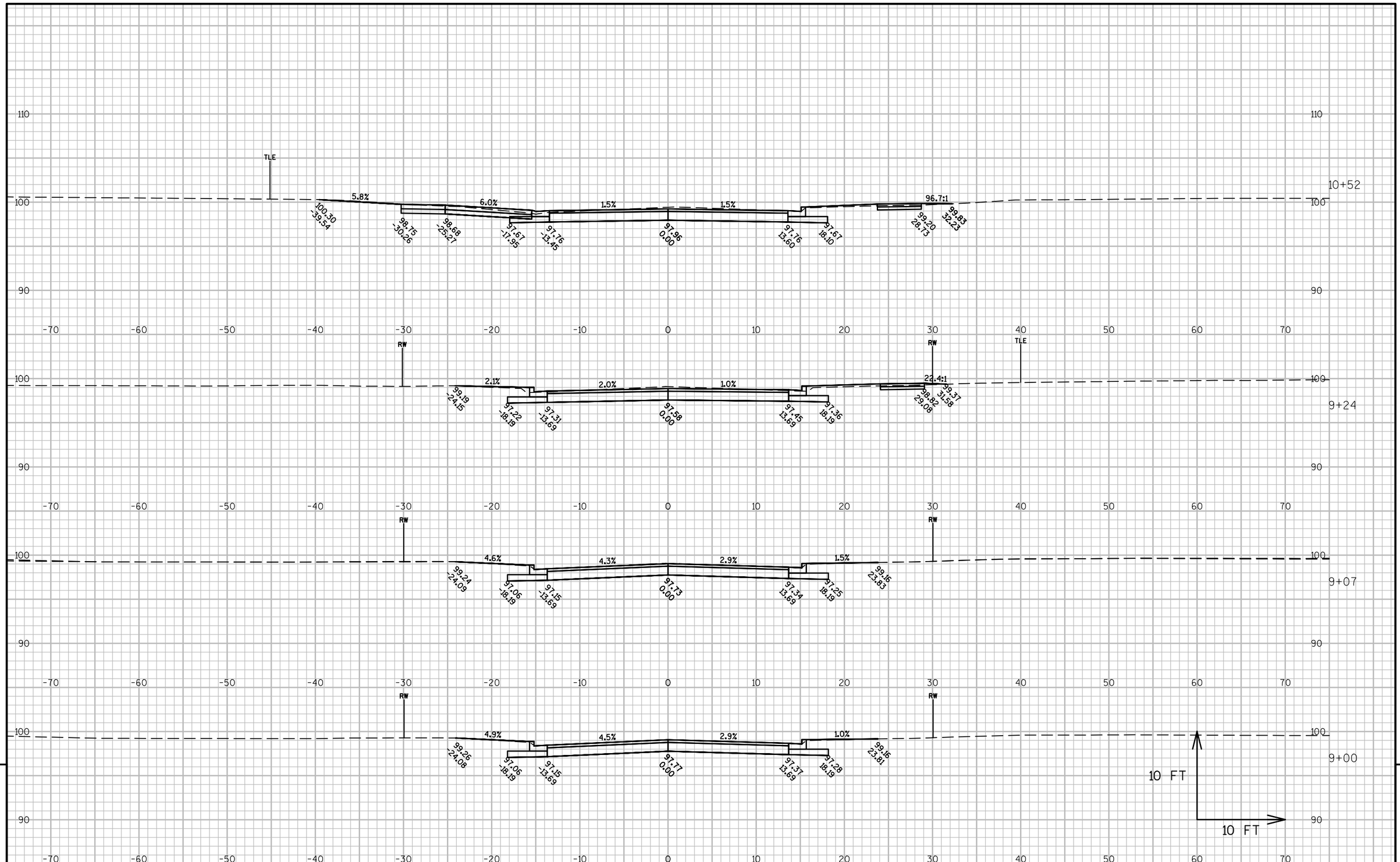
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PROJECT NO: 4987-02-65	HWY: WEBSTER AVE	COUNTY: BROWN	CROSS SECTIONS: UNIVERSITY AVE	SHEET 293	E

FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - UNIVERSITY AVE

PLOT DATE : 2/1/2019 10:27 AM PLOT BY : SCHAITEL, RYAN PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

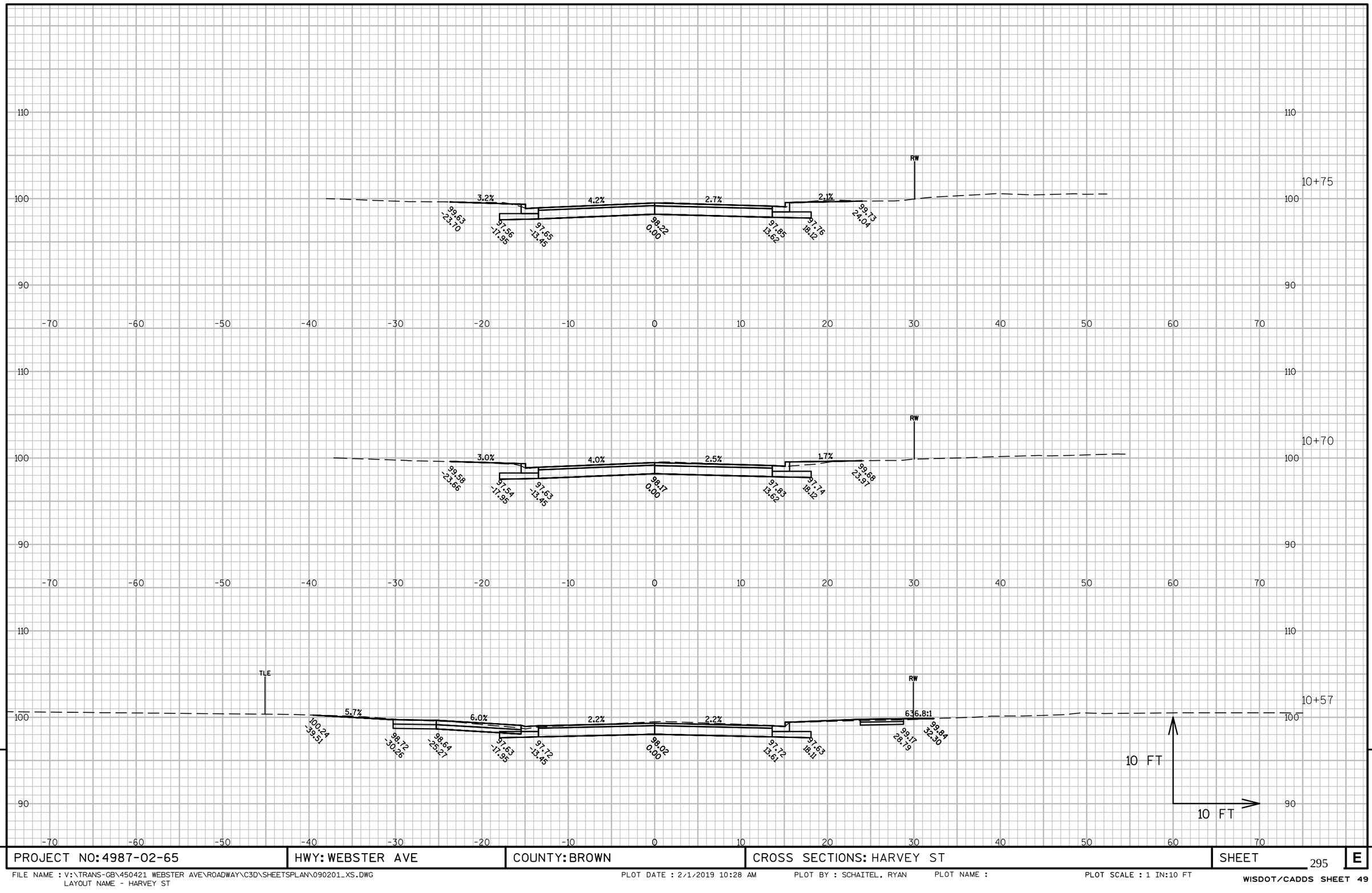


PROJECT NO: 4987-02-65	HWY: WEBSTER AVE	COUNTY: BROWN	CROSS SECTIONS: HARVEY ST	SHEET 294 E

FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - HARVEY ST

PLOT DATE : 2/1/2019 10:27 AM PLOT BY : SCHAITEL, RYAN PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



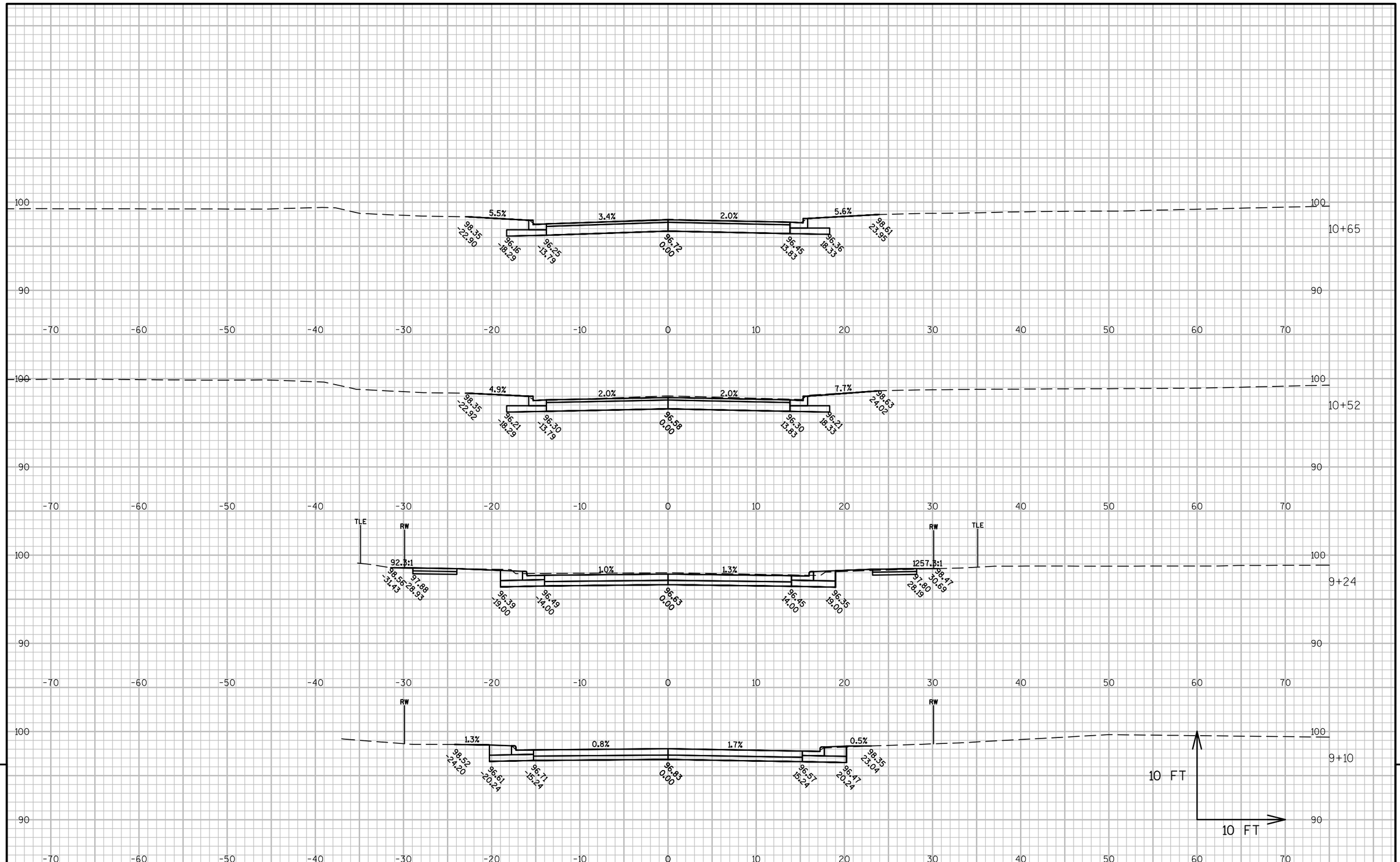
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PROJECT NO: 4987-02-65	HWY: WEBSTER AVE	COUNTY: BROWN	CROSS SECTIONS: HARVEY ST	SHEET 295	E

FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - HARVEY ST

PLOT DATE : 2/1/2019 10:28 AM PLOT BY : SCHAITEL, RYAN PLOT NAME : PLOT SCALE : 1 IN:10 FT

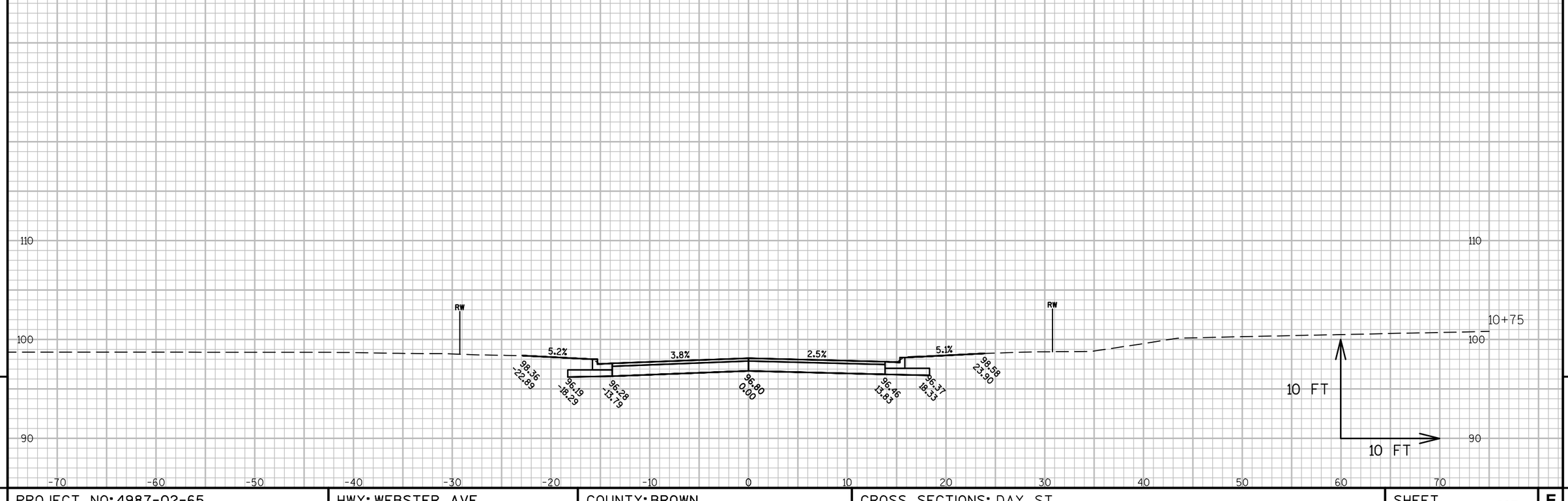


PROJECT NO: 4987-02-65	HWY: WEBSTER AVE	COUNTY: BROWN	CROSS SECTIONS: DAY ST	SHEET 296	E

FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - DAY ST

PLOT DATE : 2/1/2019 10:28 AM PLOT BY : SCHAITEL, RYAN PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



9

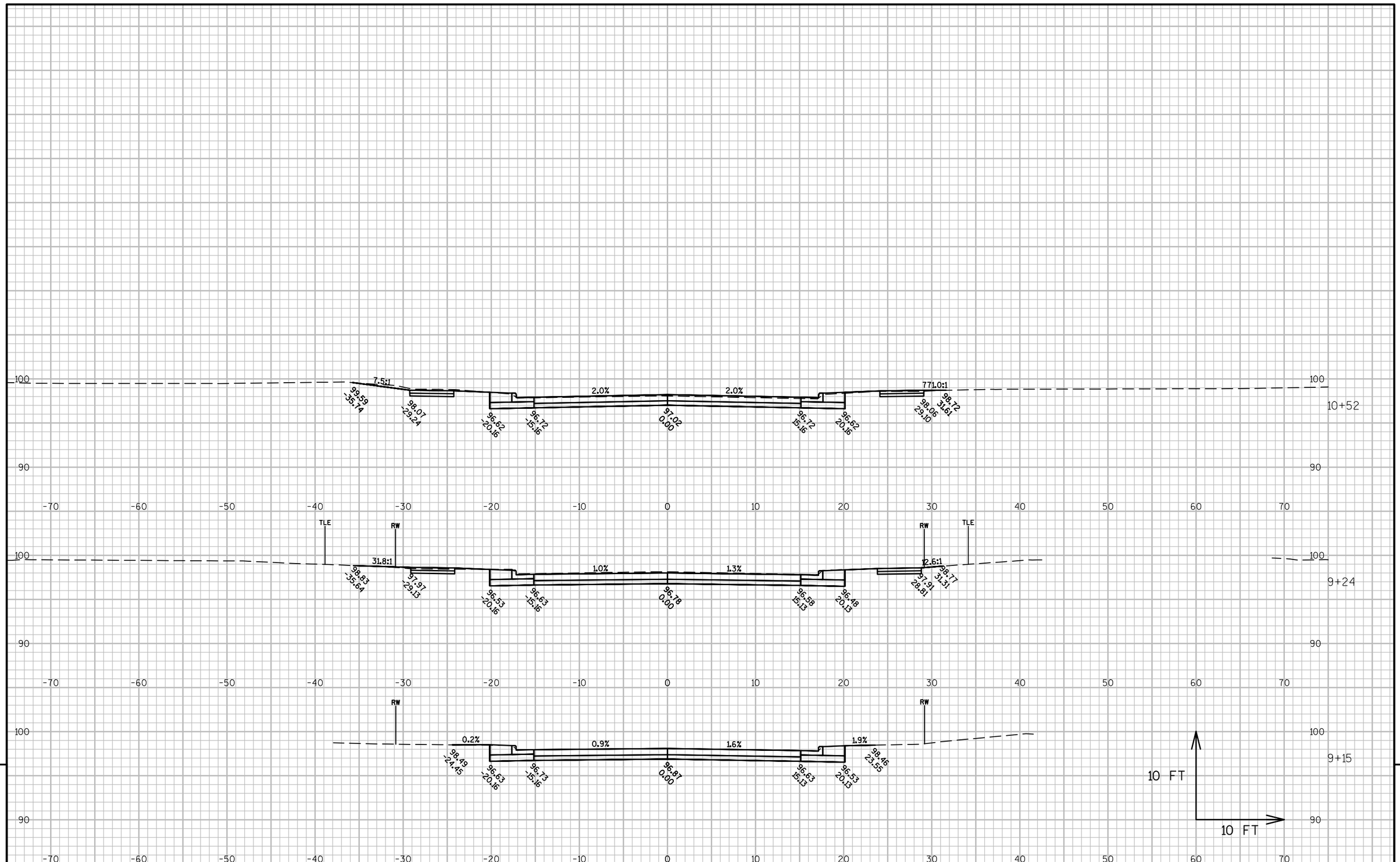
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PROJECT NO: 4987-02-65	HWY: WEBSTER AVE	COUNTY: BROWN	CROSS SECTIONS: DAY ST	SHEET 297	E

FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - DAY ST

PLOT DATE : 2/1/2019 10:28 AM PLOT BY : SCHAITEL, RYAN PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

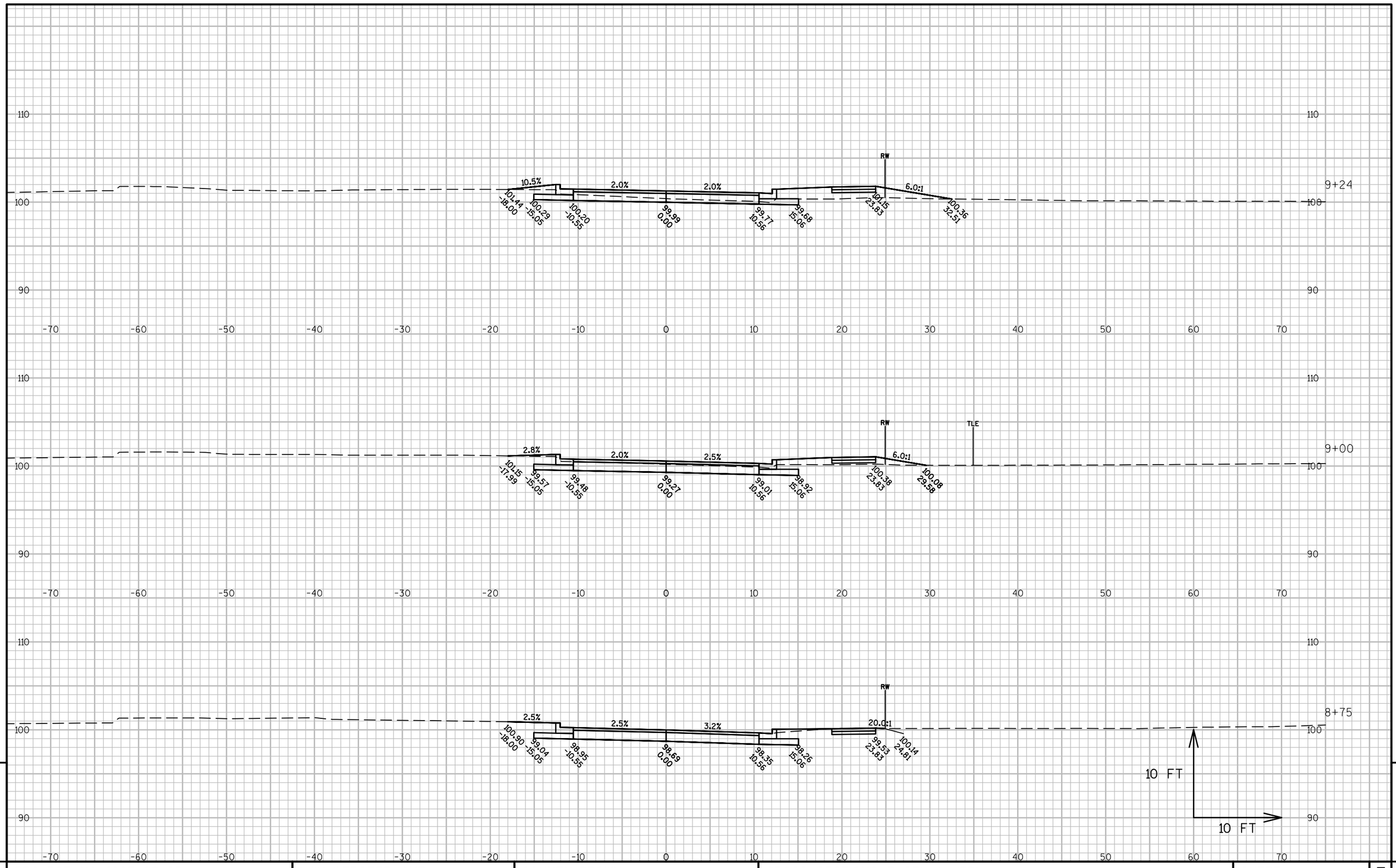


PROJECT NO: 4987-02-65	HWY: WEBSTER AVE	COUNTY: BROWN	CROSS SECTIONS: SMITH ST	SHEET 298 E

FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - SMITH ST

PLOT DATE : 2/1/2019 10:29 AM PLOT BY : SCHAITEL, RYAN PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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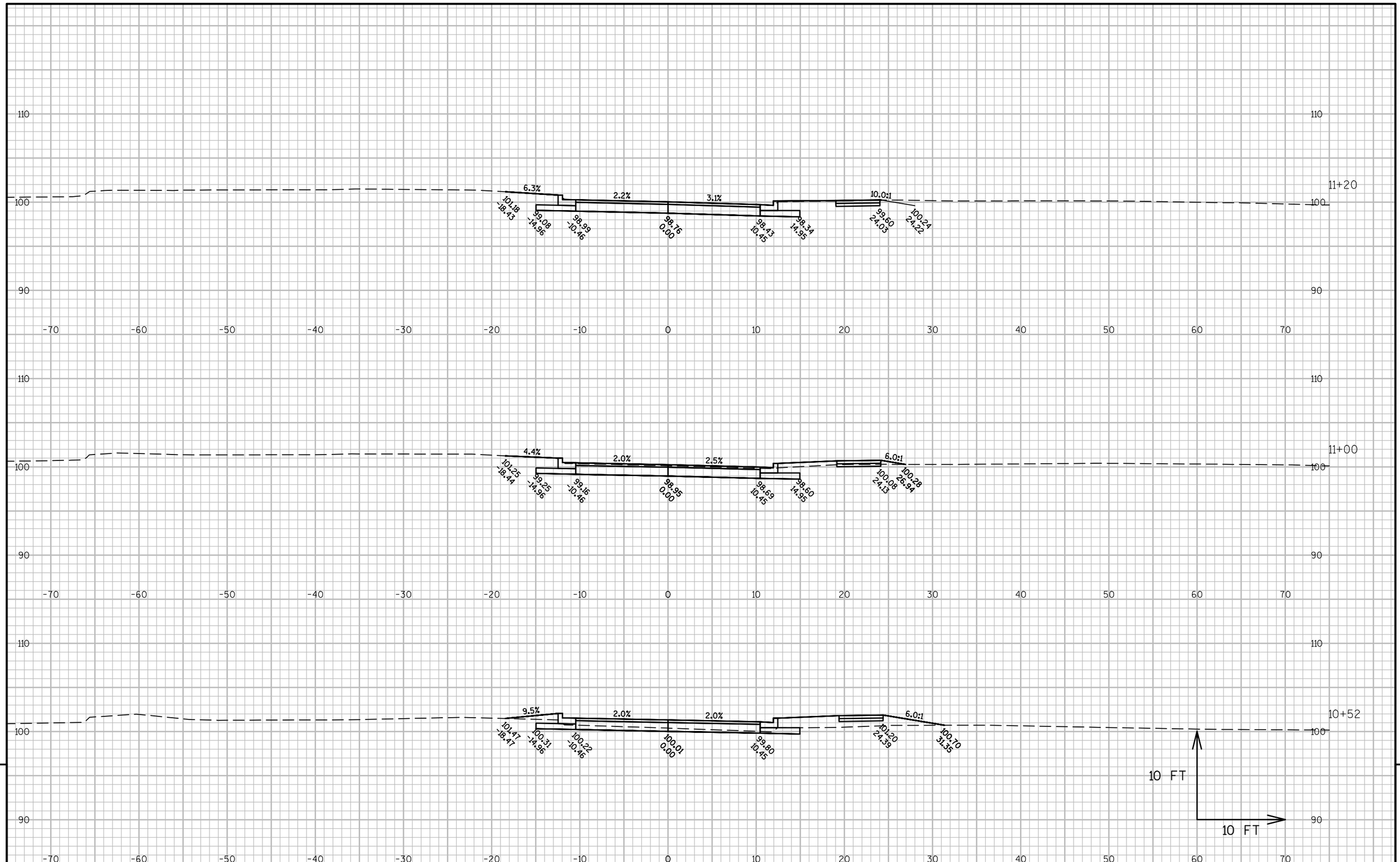
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PROJECT NO: 4987-02-65	HWY: WEBSTER AVE	COUNTY: BROWN	CROSS SECTIONS: EASTMAN (EB)	SHEET 299	E

FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - EASTMAN (EB)

PLOT DATE : 2/1/2019 10:29 AM PLOT BY : SCHAITEL, RYAN PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



9

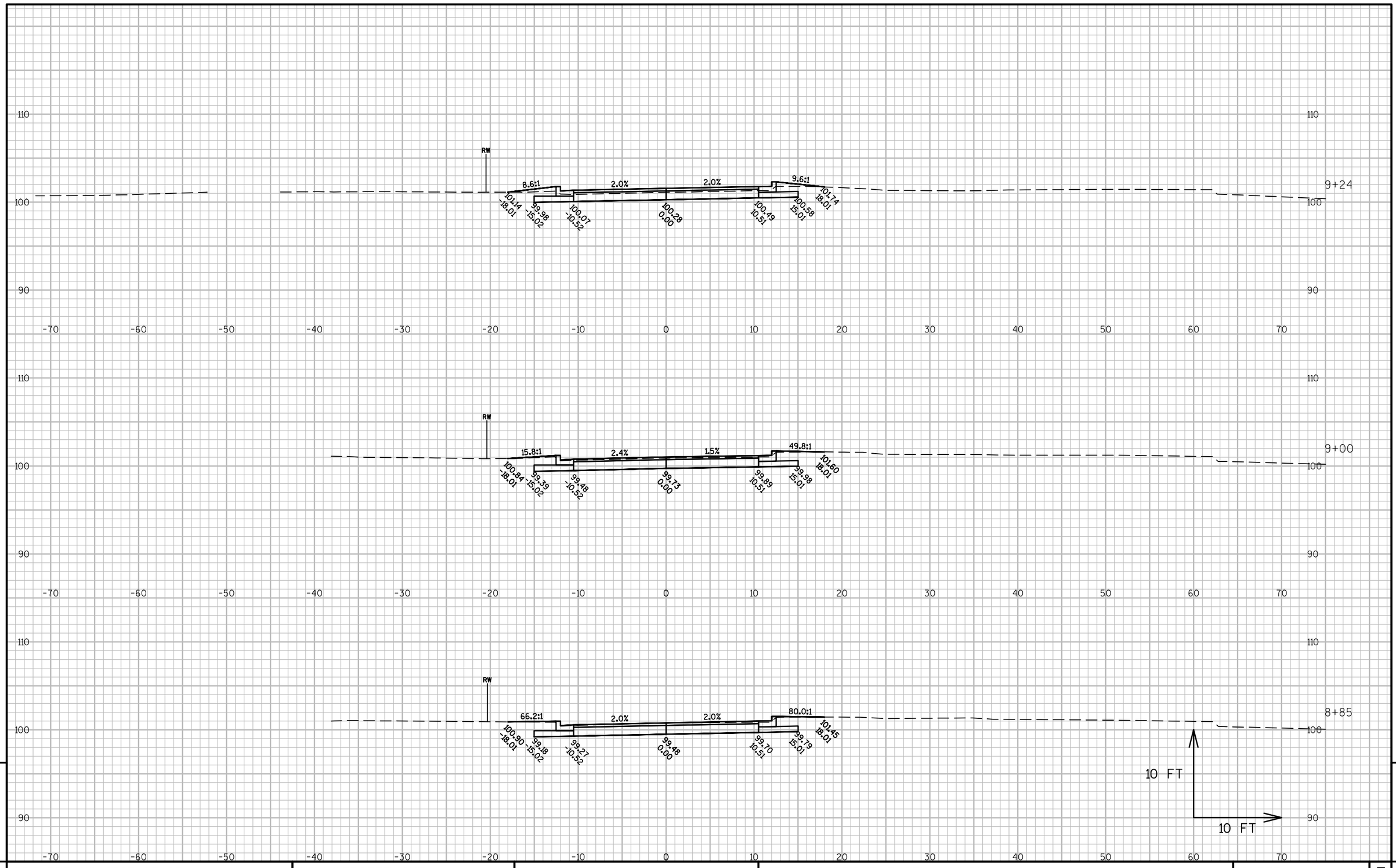
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PROJECT NO: 4987-02-65	HWY: WEBSTER AVE	COUNTY: BROWN	CROSS SECTIONS: EASTMAN (EB)	SHEET 300	E

FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - EASTMAN (EB)

PLOT DATE : 2/1/2019 10:30 AM PLOT BY : SCHAITEL, RYAN PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



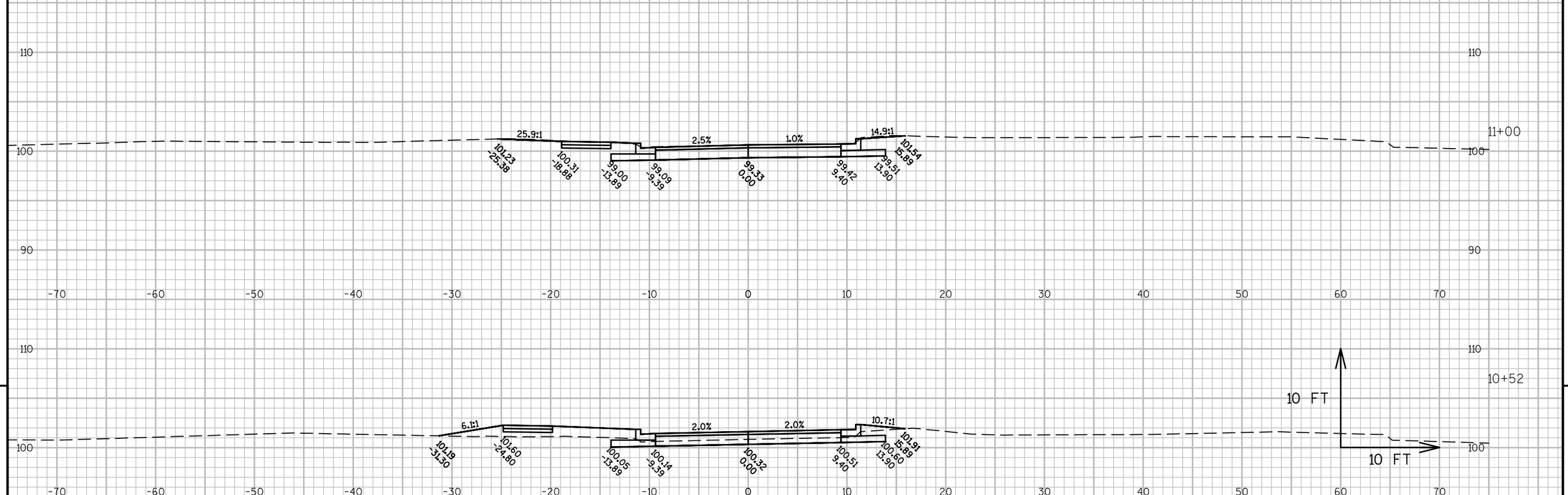
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PROJECT NO: 4987-02-65	HWY: WEBSTER AVE	COUNTY: BROWN	CROSS SECTIONS: EASTMAN (WB)	SHEET 301	E

FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - EASTMAN (WB)

PLOT DATE : 2/1/2019 10:30 AM PLOT BY : SCHAITEL, RYAN PLOT NAME : PLOT SCALE : 1 IN:10 FT



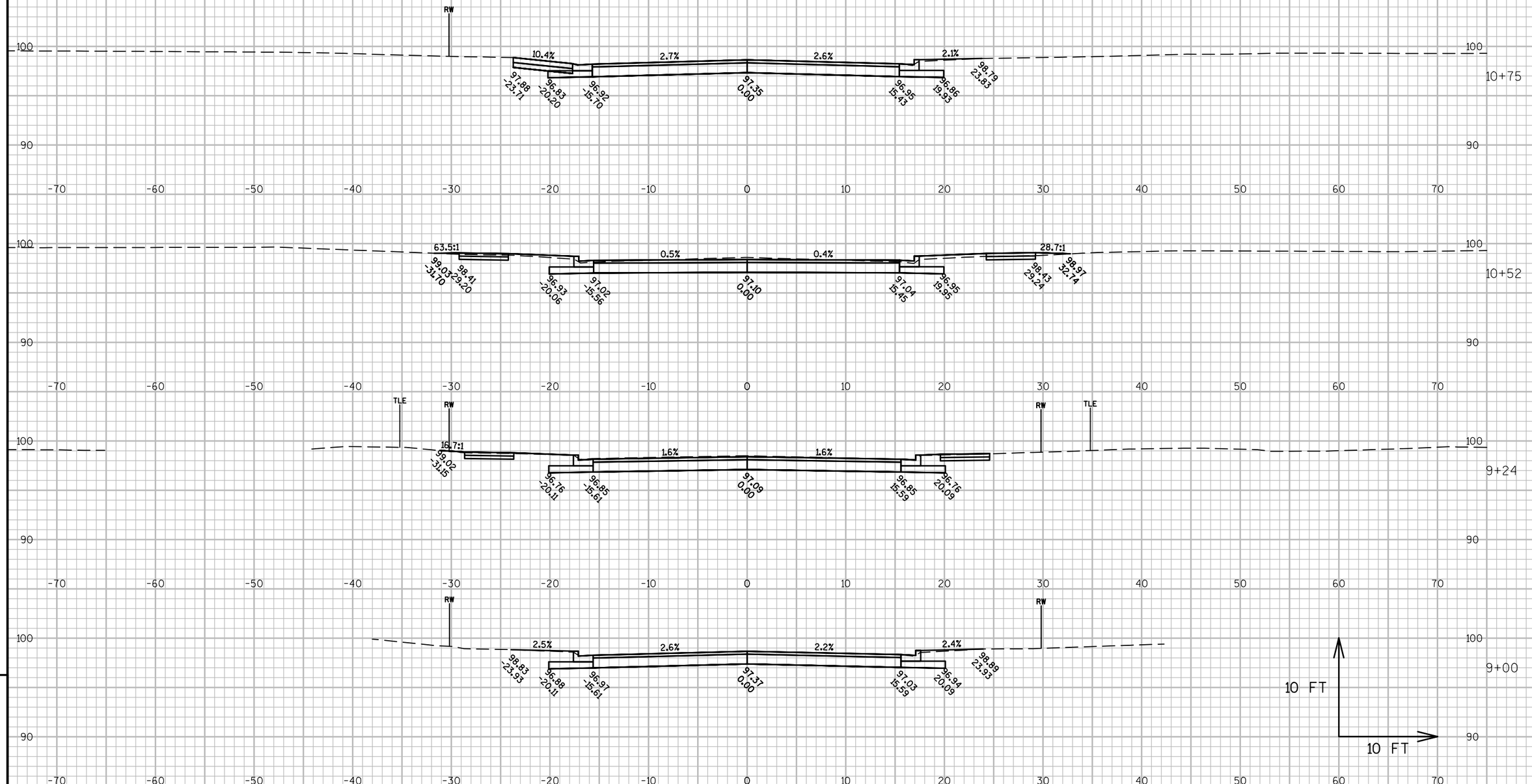
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PROJECT NO: 4987-02-65	HWY: WEBSTER AVE	COUNTY: BROWN	CROSS SECTIONS: EASTMAN (WB)	SHEET 302	E

FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - EASTMAN (WB)

PLOT DATE : 2/1/2019 10:30 AM PLOT BY : SCHAITEL, RYAN PLOT NAME : PLOT SCALE : 1 IN:10 FT

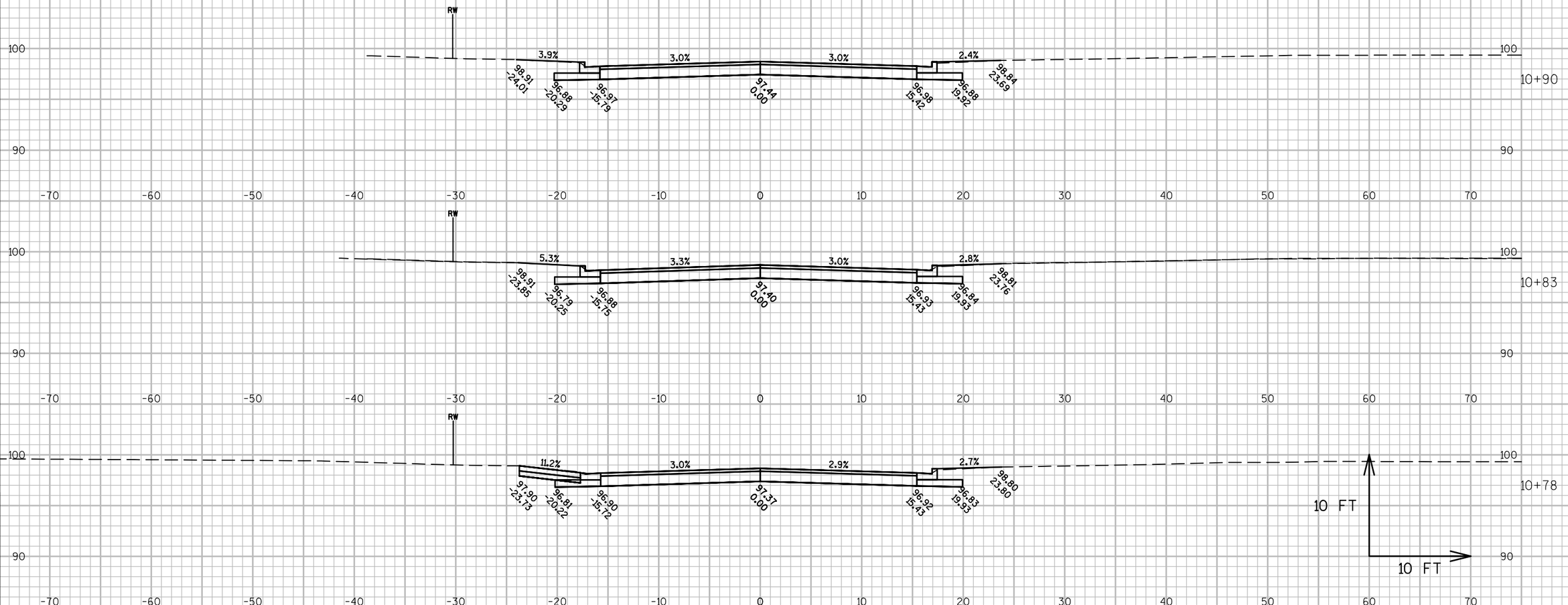


PROJECT NO: 4987-02-65	HWY: WEBSTER AVE	COUNTY: BROWN	CROSS SECTIONS: REBER ST	SHEET 303	E

FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - REBER ST

PLOT DATE : 2/1/2019 10:31 AM PLOT BY : SCHAITEL, RYAN PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



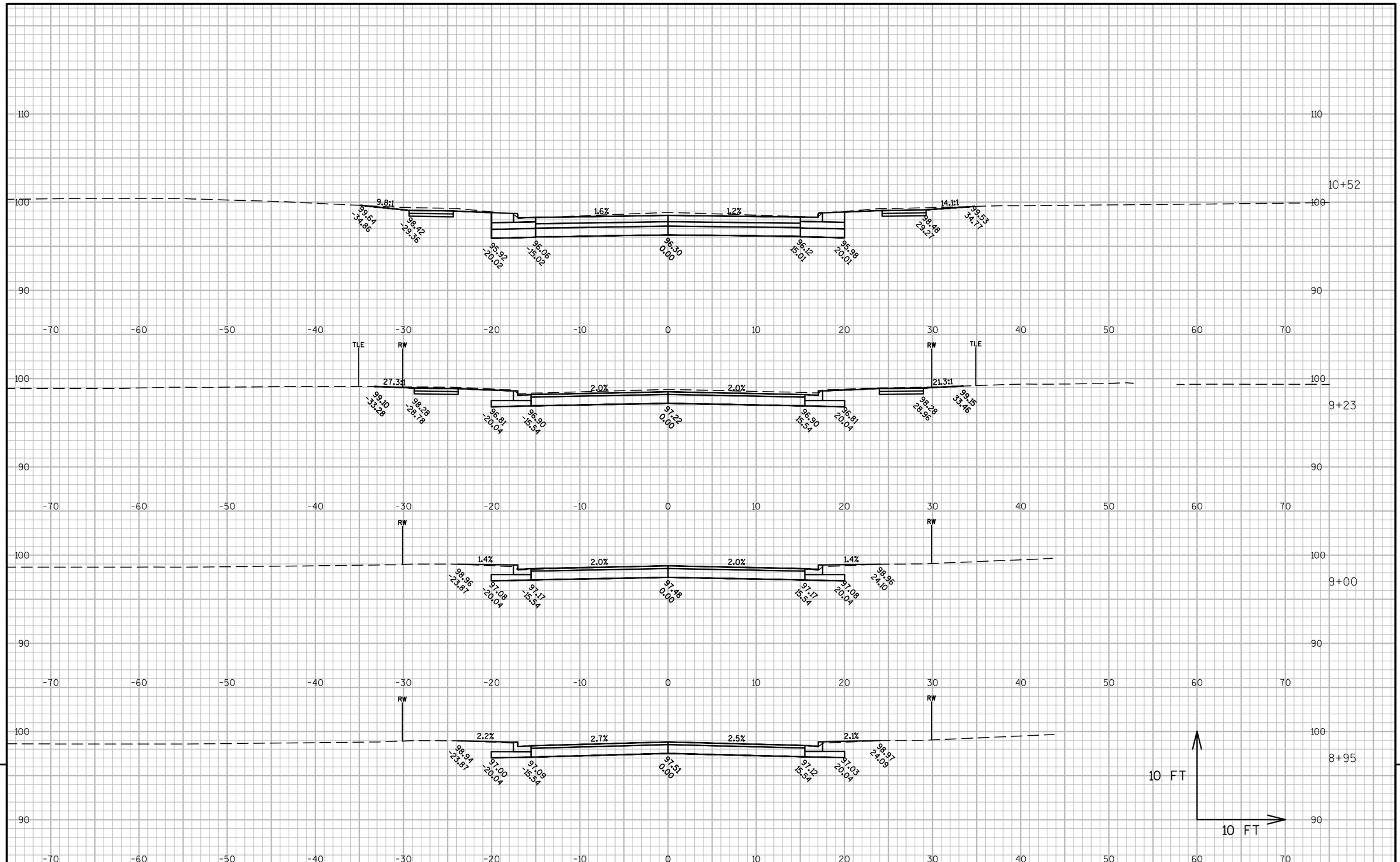
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PROJECT NO: 4987-02-65	HWY: WEBSTER AVE	COUNTY: BROWN	CROSS SECTIONS: REBER ST	SHEET 304	E

FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - REBER ST

PLOT DATE : 2/1/2019 10:31 AM PLOT BY : SCHAITEL, RYAN PLOT NAME : PLOT SCALE : 1 IN:10 FT

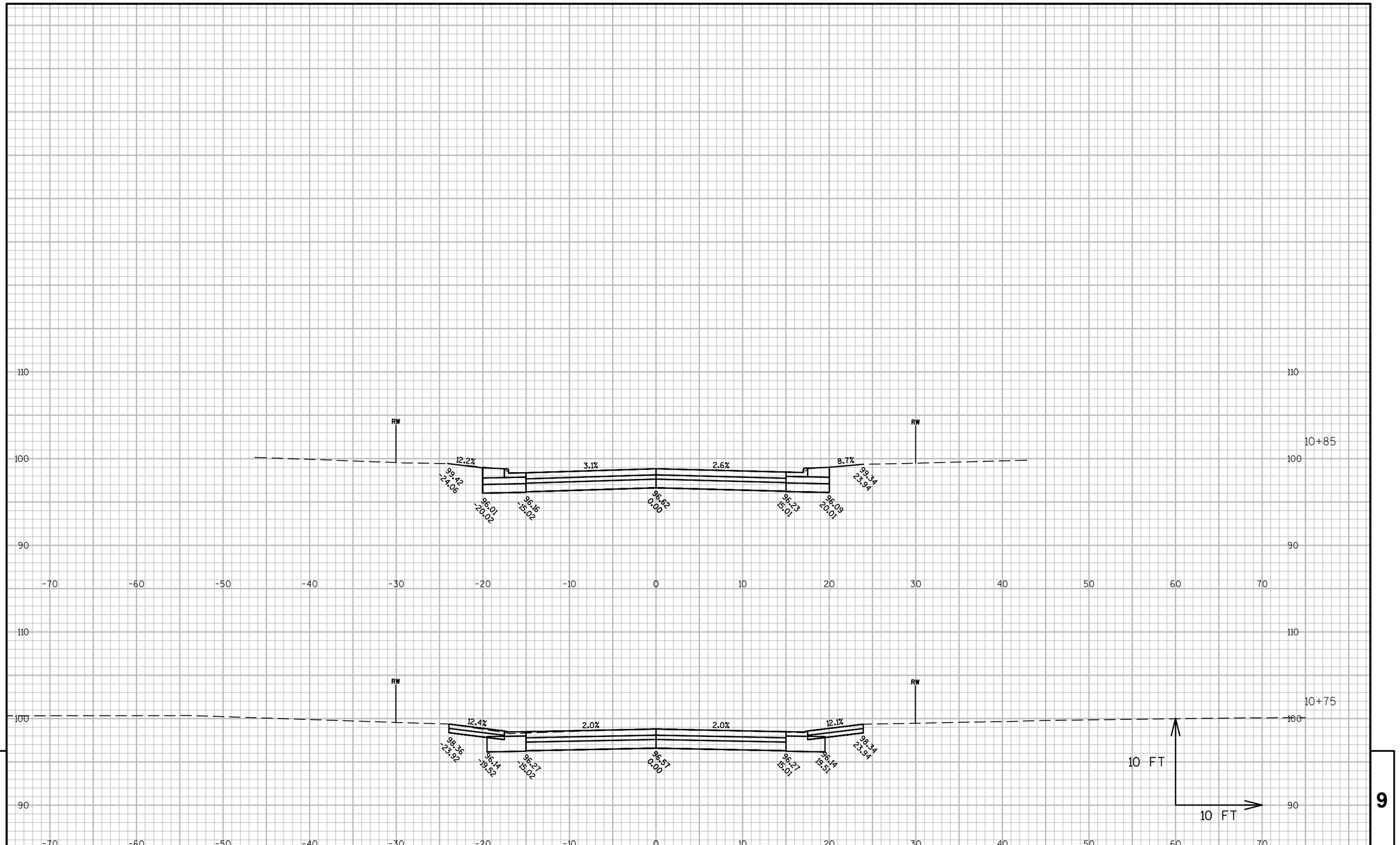


PROJECT NO: 4987-02-65	HWY: WEBSTER AVE	COUNTY: BROWN	CROSS SECTIONS: BERNER ST	SHEET 305	E

FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - BERNER ST

PLOT DATE : 2/1/2019 10:31 AM PLOT BY : SCHAITEL, RYAN PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

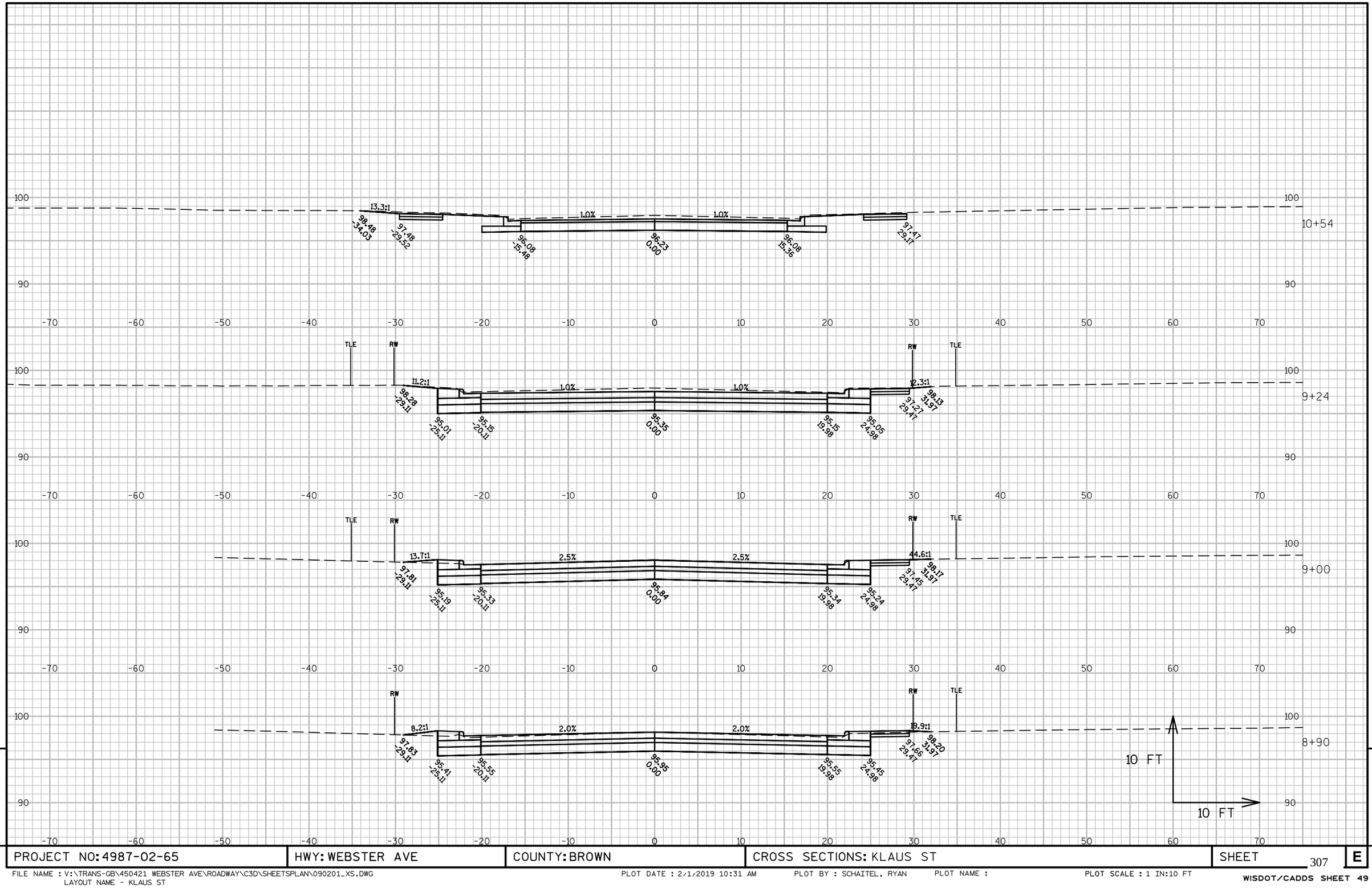


PROJECT NO: 4987-02-65	HWY: WEBSTER AVE	COUNTY: BROWN	CROSS SECTIONS: BERNER ST	SHEET 306	E

FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - BERNER ST

PLOT DATE : 2/1/2019 10:31 AM PLOT BY : SCHAITEL, RYAN PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

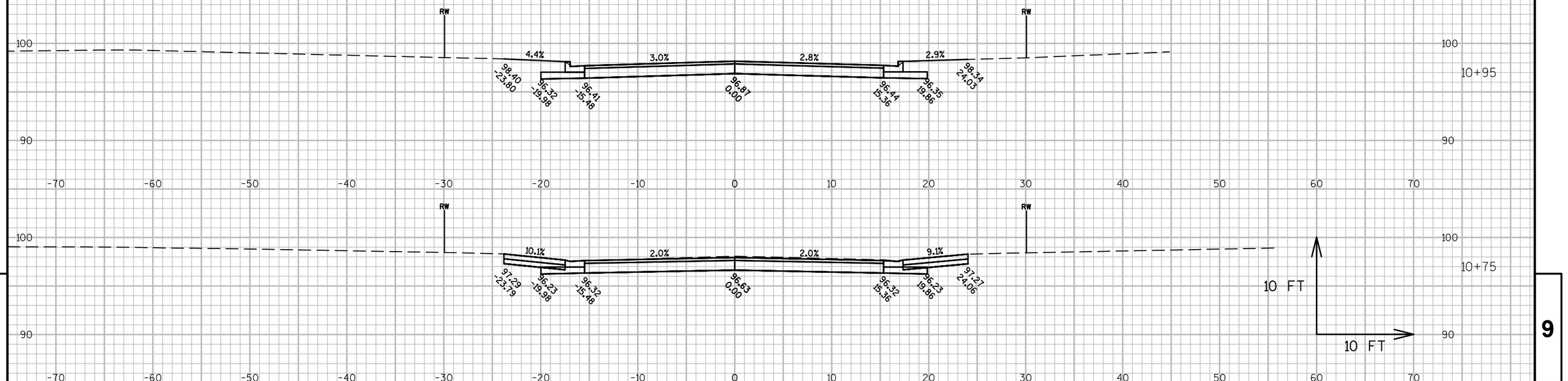


PROJECT NO: 4987-02-65	HWY: WEBSTER AVE	COUNTY: BROWN	CROSS SECTIONS: KLAUS ST	SHEET 307	E

FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - KLAUS ST

PLOT DATE : 2/1/2019 10:31 AM PLOT BY : SCHAITEL, RYAN PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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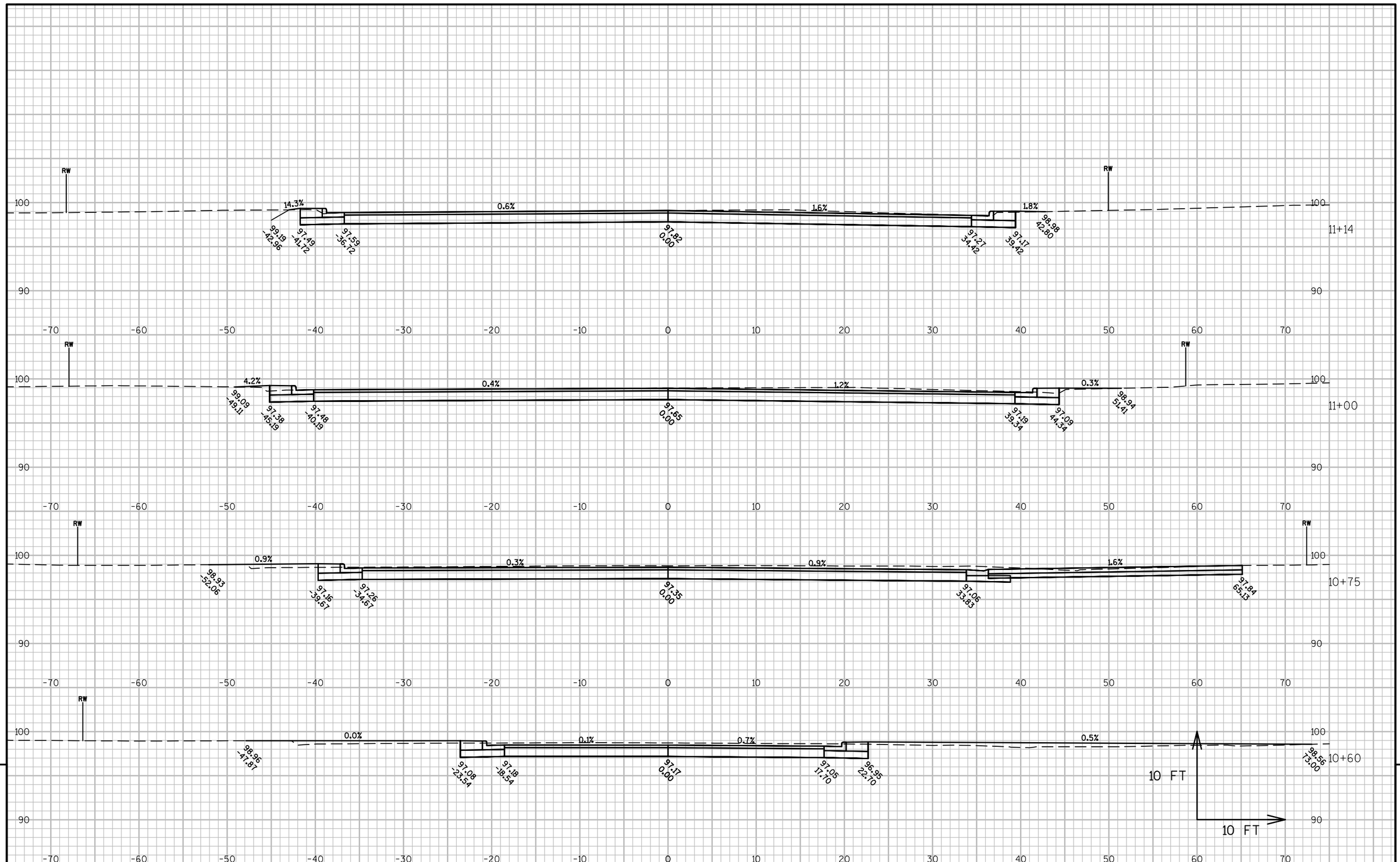
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PROJECT NO: 4987-02-65	HWY: WEBSTER AVE	COUNTY: BROWN	CROSS SECTIONS: KLAUS ST	SHEET 308	E

FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - KLAUS ST

PLOT DATE : 2/1/2019 10:31 AM PLOT BY : SCHAITEL, RYAN PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



PROJECT NO: 4987-02-65	HWY: WEBSTER AVE	COUNTY: BROWN	CROSS SECTIONS: VANDERBRAAK ST	SHEET 309 E

FILE NAME : V:\TRANS-GB\450421 WEBSTER AVE\ROADWAY\C3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - VANDERBRAAK ST

PLOT DATE : 2/1/2019 10:31 AM PLOT BY : SCHAITEL, RYAN PLOT NAME : PLOT SCALE : 1 IN:10 FT

Wisconsin Department of Transportation

Dedicated people creating transportation solutions
through innovation and exceptional service.

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