RHI

JUNE 2017

PROJECT ID: 1601-14-72

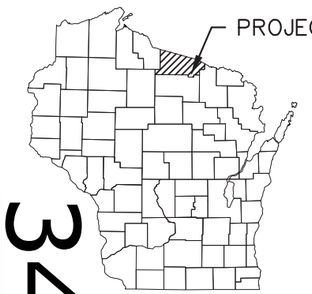
WITH: N/A

COUNTY: VILAS

ORDER OF SHEETS

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

TOTAL SHEETS = 242



34

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

MONICO - EAGLE RIVER

STH 70 WEST TO CHAIN O LAKES ROAD

USH 45

VILAS COUNTY

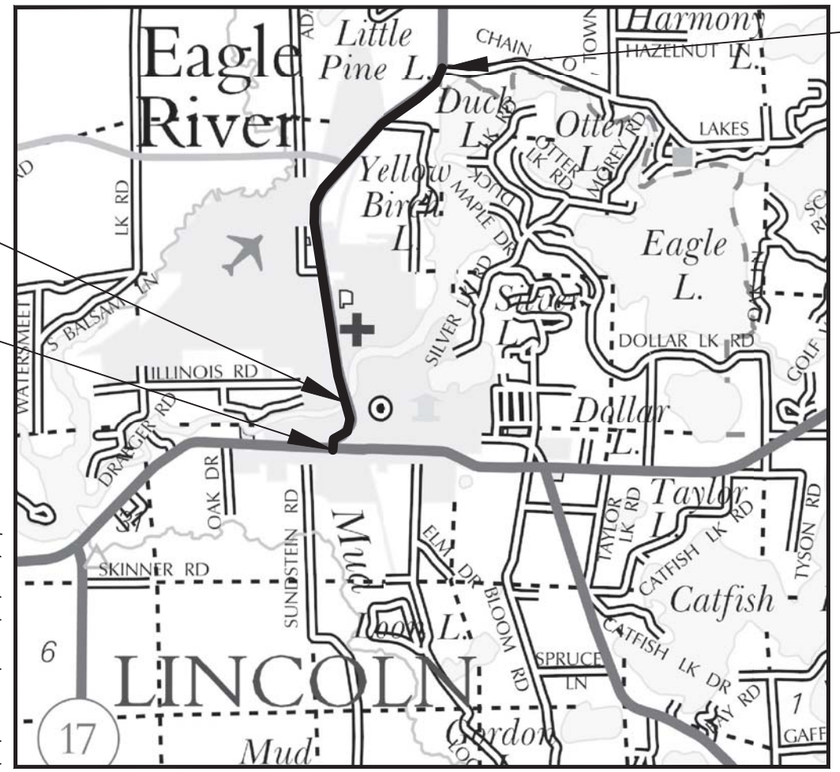
STATE PROJECT NUMBER
1601-14-72

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1601-14-72	WISC 2017366	1

END PROJECT
STA 174+02
Y=120,850.92
X=504,282.20

STRUCTURE B-63-15

BEGIN PROJECT 1601-14-72
STA 21+11
Y=105,512.65
X=500,330.71



LAYOUT
SCALE 0 1 MILE

TOTAL NET LENGTH OF CENTERLINE = 3.274 MILES

DESIGN DESIGNATION

A.A.D.T.	(2018)	= 13,700
A.A.D.T.	(2038)	= 15,080
D.H.V.		= 1,960
D.D.		= 61/39
T.		= 8.3%
DESIGN SPEED		= 30 - 45 MPH
ESALS		= 1,043,900

CONVENTIONAL SYMBOLS

PLAN		PROFILE	
CORPORATE LIMITS		GRADE LINE	
PROPERTY LINE		ORIGINAL GROUND	
LOT LINE		MARSH OR ROCK PROFILE (To be noted as such)	ROCK
LIMITED HIGHWAY EASEMENT		SPECIAL DITCH	LABEL
EXISTING RIGHT OF WAY		GRADE ELEVATION	95.36
PROPOSED OR NEW R/W LINE		CULVERT (Profile View)	
SLOPE INTERCEPT		UTILITIES	
REFERENCE LINE		ELECTRIC	E
EXISTING CULVERT		FIBER OPTIC	FO
PROPOSED CULVERT (Box or Pipe)		GAS	G
COMBUSTIBLE FLUIDS	CAUTION	SANITARY SEWER	SAN
		STORM SEWER	SS
		TELEPHONE	T
MARSH AREA		WATER	W
		UTILITY PEDESTAL	
		POWER POLE	
WOODED OR SHRUB AREA		TELEPHONE POLE	

STREET LIGHT	
MANHOLE	MH
WATER VALVE	WV
WATER SHUT OFF	WSO

COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), VILAS COUNTY, NAD 1983 (2011).

ELEVATIONS SHOWN ON THIS PLAN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 NAVD 88 (2012).

ORIGINAL PLAN PREPARED BY

BECHER HOPPE
330 Fourth Street • PO Box 8000
Wausau, WI • 54402-8000
715.845.8000 • Fax 715.845.8008
becherhoppe.com

WISCONSIN
CHAD D. GRUNDEMANN
E-43616-6
WAUSAU, WI
PROFESSIONAL ENGINEER

4/19/2017
(Date) (Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	BECHER-HOPPE ASSOCIATES, INC.
Designer	BECHER-HOPPE ASSOCIATES, INC.
Project Manager	FORREST VAN ASTEN, PE
Regional Examiner	CHERYL SIMON, PE
Regional Supervisor	ROBIN STAFFORD, PE

APPROVED FOR THE DEPARTMENT
DATE: 4/20/2017
(Signature)

E

GENERAL NOTES

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

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

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

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

SECTION 2 ORDER

GENERAL NOTES
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
PLAN DETAILS
EROSION CONTROL
PERMANENT SIGNING
PAVEMENT MARKING
TRAFFIC CONTROL
ALIGNMENT DIAGRAM
CONTROL POINT DATA

RUNOFF COEFFICIENT TABLE

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

TOTAL PROJECT AREA = 60 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 0.4 ACRES

UTILITIES

COMMUNICATION
CHOICETEL LLC
118 SPRUCE ST
EAGLE RIVER, WI 54521
TED BOGEMAN
PHONE: (715) 480-4800
ted@choicetel.net

SANITARY SEWER
CITY OF EAGLE RIVER
525 E MAPLE ST
PO BOX 1269
EAGLE RIVER, WI 54521
JOSEPH LAUX
PHONE: (715) 479-8682
administrator@ci.eagle-river.wi.us

ELECTRIC
EAGLE RIVER LIGHT & WATER
PO BOX 1269
EAGLE RIVER, WI 54521
PAT WEBER
PHONE: (715) 479-8121
pweber@wppienergy.org

WATER
EAGLE RIVER LIGHT & WATER
PO BOX 1269
EAGLE RIVER, WI 54521
PAT WEBER
PHONE: (715) 479-8121
pweber@wppienergy.org

COMMUNICATION
FRONTIER
521 4TH ST
WAUSAU, WI 54403
BRIAN DOMPKE
PHONE: (715) 358-5372
MOBILE: (715) 203-9257
brian.dompke@ftr.com

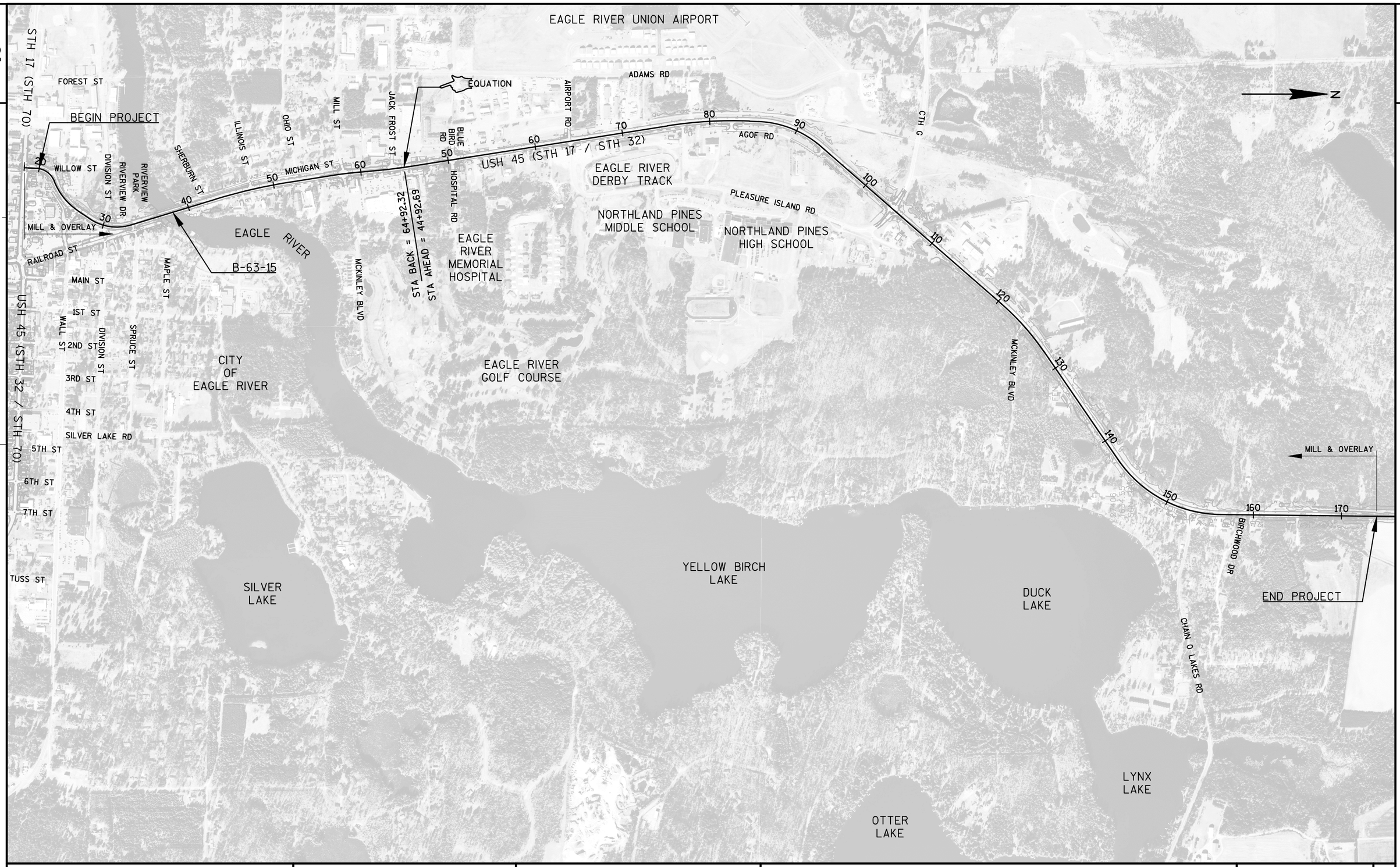
ELECTRIC
WISCONSIN PUBLIC SERVICE CORPORATION
PO BOX 1166
WAUSAU, WI 54402
DON LUTZOW
PHONE: (715) 848-7487
MOBILE: (715) 493-7802
dalutzow@wisconsinpublicservice.com

GAS
WISCONSIN PUBLIC SERVICE CORPORATION
9427 HIGHWAY J
MINOCQUA, WI 54548
DANIEL TANNAH
PHONE: (715) 358-4405
MOBILE: (715) 439-0263
DJTannah@wisconsinpublicservice.com

DNR CONTACT

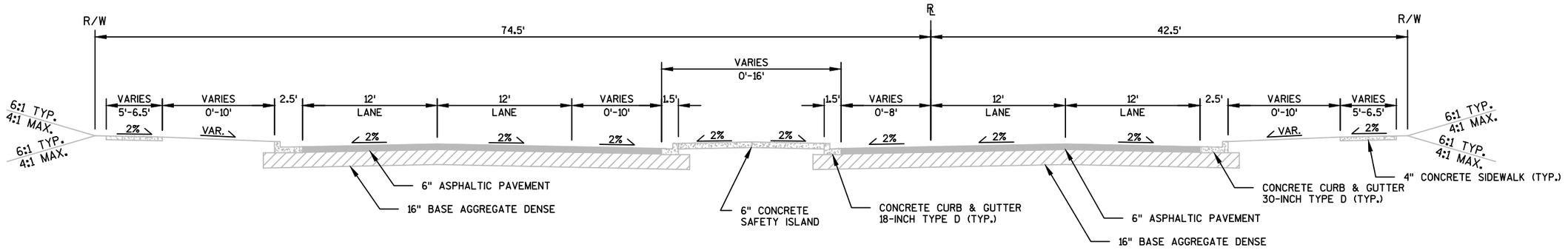
WISCONSIN DEPARTMENT OF NATURAL RESOURCES
107 SUTLIFF AVENUE
RHINELANDER, WI 54501
JON SIMONSEN
PHONE: (715) 367-1936
jonathan.simonsen@wisconsin.gov

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



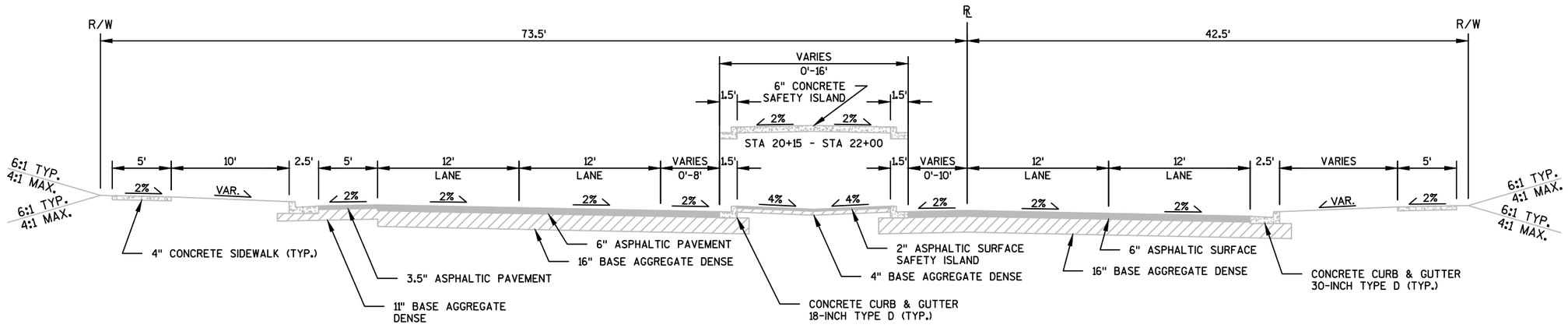
PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	PROJECT OVERVIEW	SHEET 3	E

FILE NAME : P:\2014\2014.068 - WISDOT NC - USH 45, VILAS\CAD\16011472\SHEETSPLAN\020201-PO.DWG
LAYOUT NAME - ****
PLOT DATE : 4/19/2017 5:14 PM PLOT BY : CHAD D. GRUNDEMANN PLOT NAME : PLOT SCALE : 1 IN:1000 FT
WISDOT/CADDS SHEET 42



EXISTING TYPICAL SECTION – USH 45

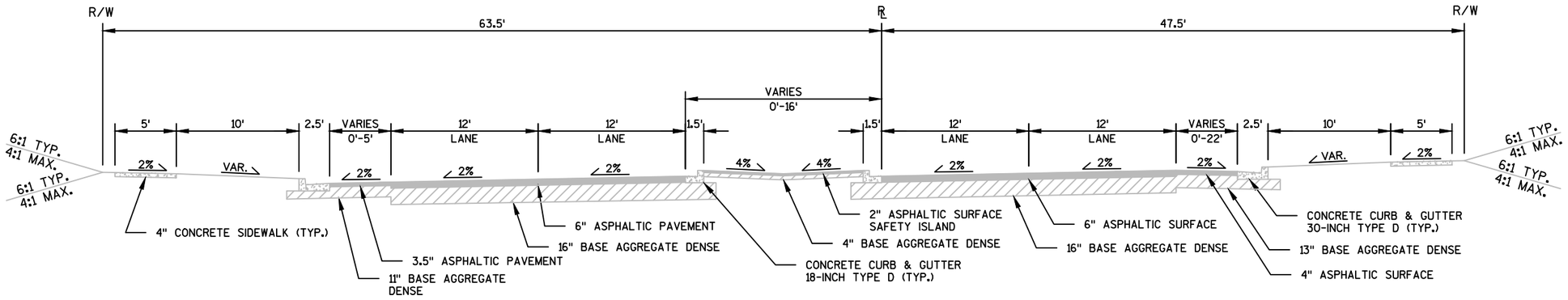
STATION 18+55 – STATION 20+15
STATION 26+50 – STATION 34+35



EXISTING TYPICAL SECTION – USH 45

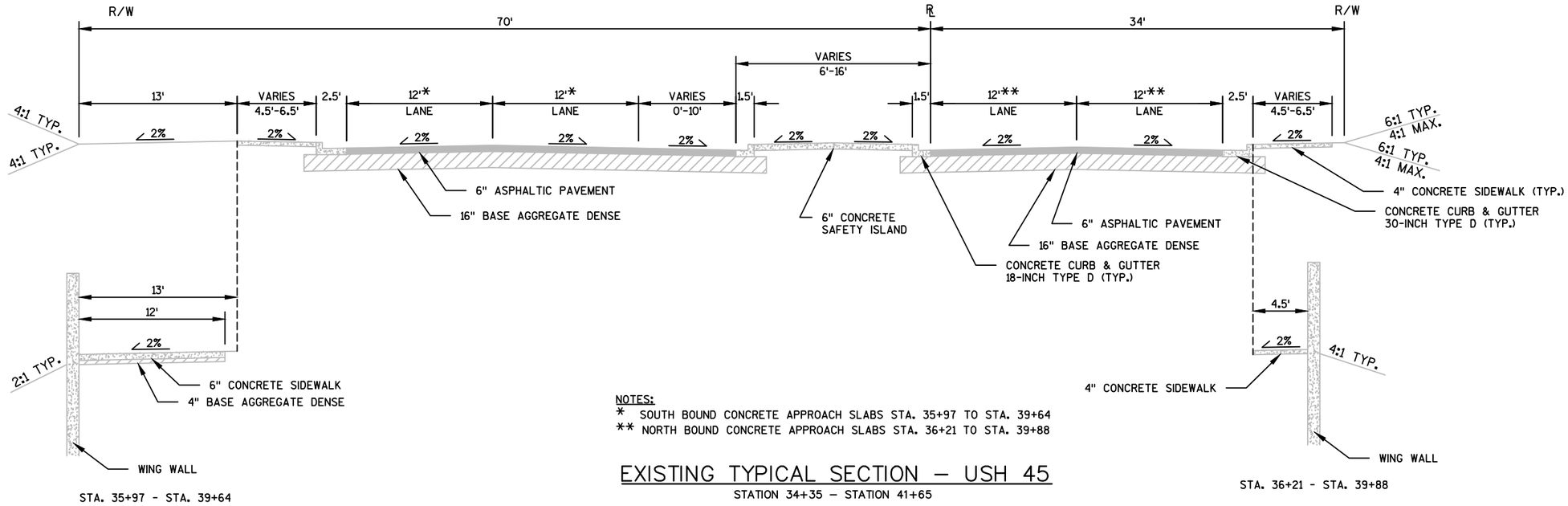
STATION 20+15 – STATION 22+80

PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	EXISTING TYPICAL SECTIONS	SHEET 4	E



EXISTING TYPICAL SECTION – USH 45

STATION 22+80 – STATION 26+50



STA. 35+97 - STA. 39+64

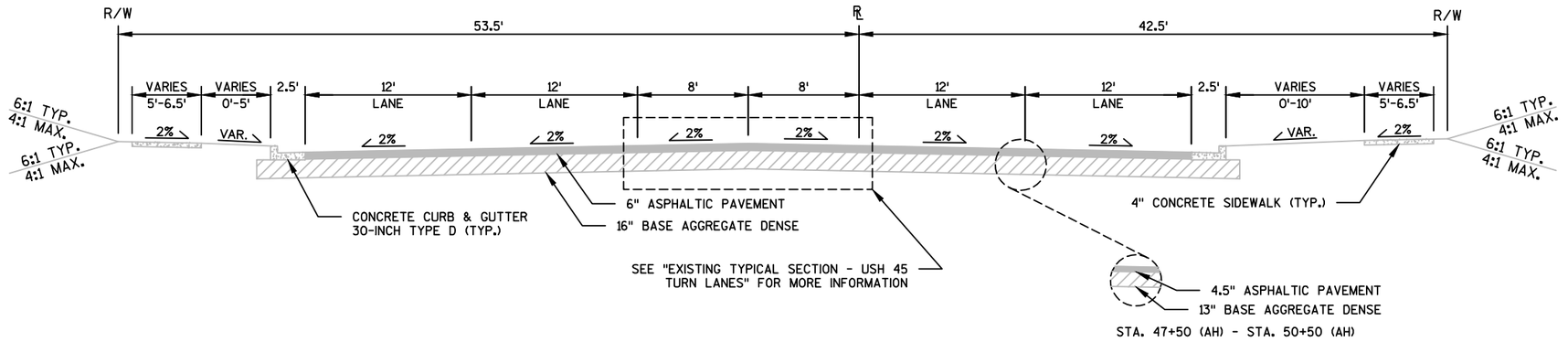
STA. 36+21 - STA. 39+88

NOTES:
* SOUTH BOUND CONCRETE APPROACH SLABS STA. 35+97 TO STA. 39+64
** NORTH BOUND CONCRETE APPROACH SLABS STA. 36+21 TO STA. 39+88

EXISTING TYPICAL SECTION – USH 45

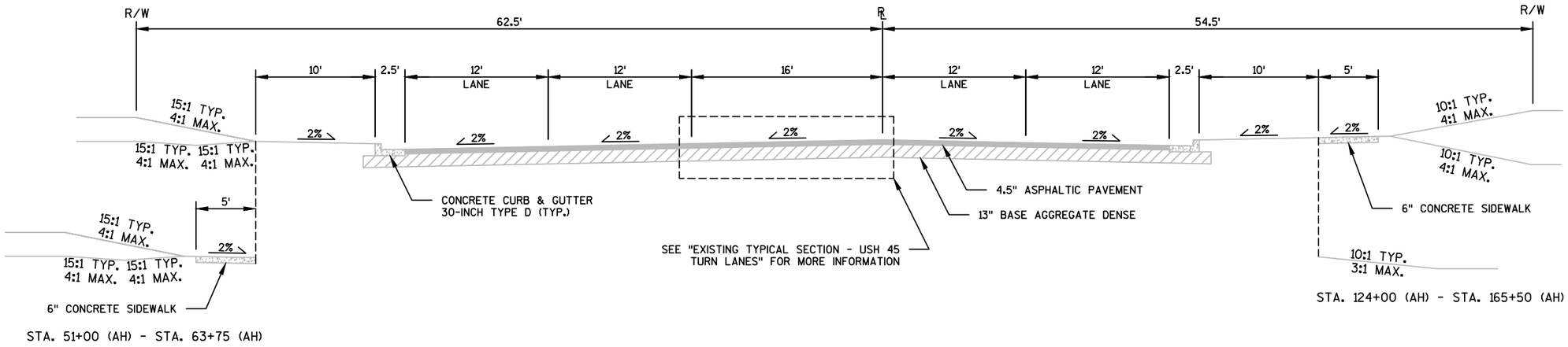
STATION 34+35 – STATION 41+65

PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	EXISTING TYPICAL SECTIONS	SHEET 5	E



EXISTING TYPICAL SECTION – USH 45

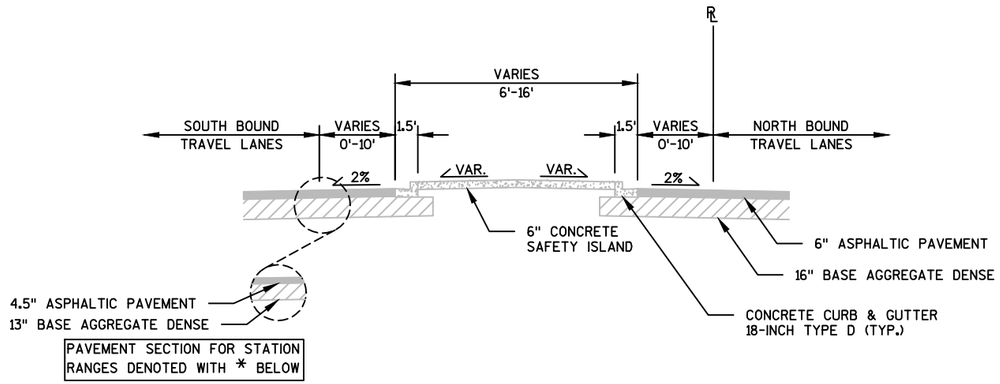
STATION 41+65 – STATION 50+50 (AH)



EXISTING TYPICAL SECTION – USH 45

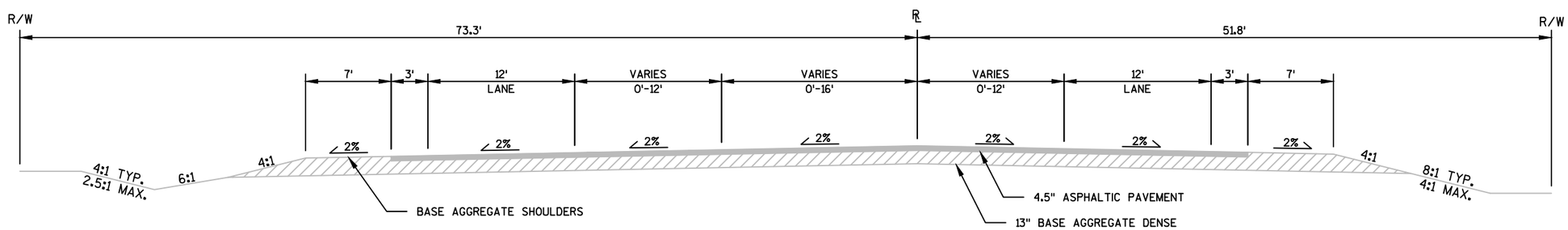
STATION 50+50 (AH) – STATION 165+50 (AH)

PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	EXISTING TYPICAL SECTIONS	SHEET 6	E



EXISTING TYPICAL SECTION – USH 45 TURN LANES

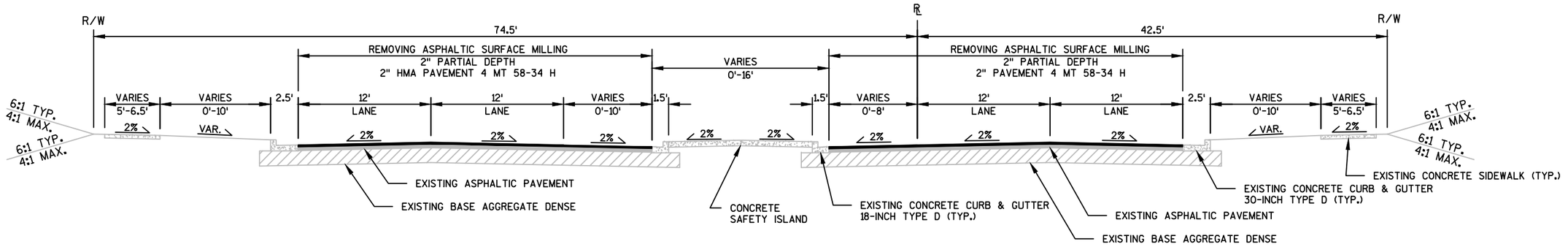
STATION 55+25 – STATION 57+50
STATION 58+56.5 – STATION 63+06.7
STATION 64+05 – STATION 64+93.55 (BK)
STATION 44+93.55 (AH) – STATION 45+55 (AH)
STATION 48+44 (AH)* – STATION 50+00 (AH)*
STATION 51+07 (AH)* – STATION 52+63 (AH)*
STATION 97+50 (AH)* – STATION 103+60 (AH)*
STATION 104+55 (AH)* – STATION 107+20 (AH)*
STATION 151+35 (AH)* – STATION 155+45 (AH)*



EXISTING TYPICAL SECTION – USH 45

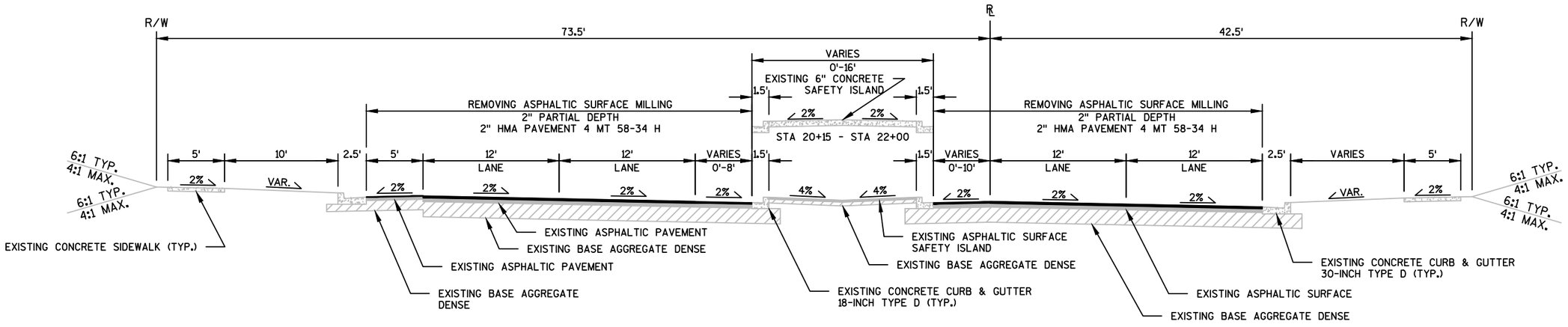
STATION 165+50 (AH) – STATION 174+00 (AH)

PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	EXISTING TYPICAL SECTIONS	SHEET 7	E



FINISHED TYPICAL SECTION – USH 45

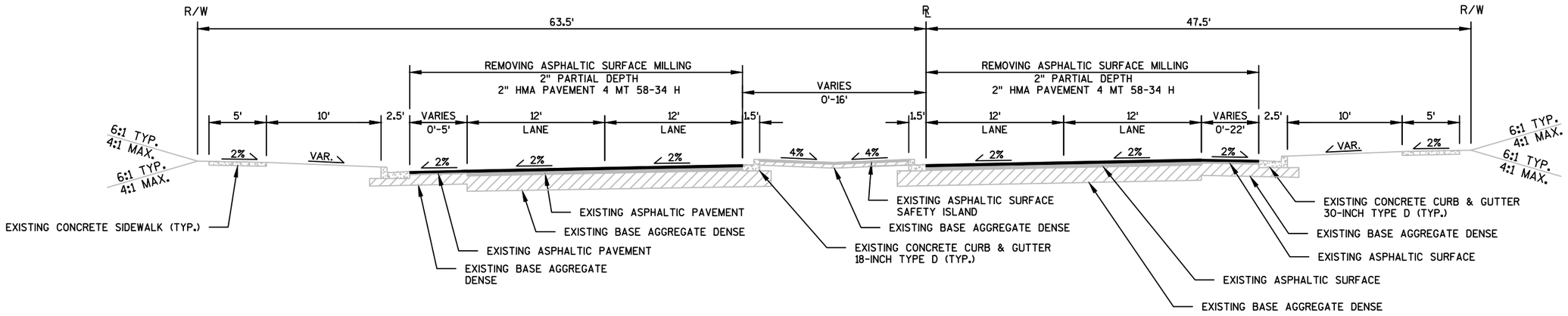
STATION 18+55 – STATION 20+15
STATION 26+50 – STATION 34+35



FINISHED TYPICAL SECTION – USH 45

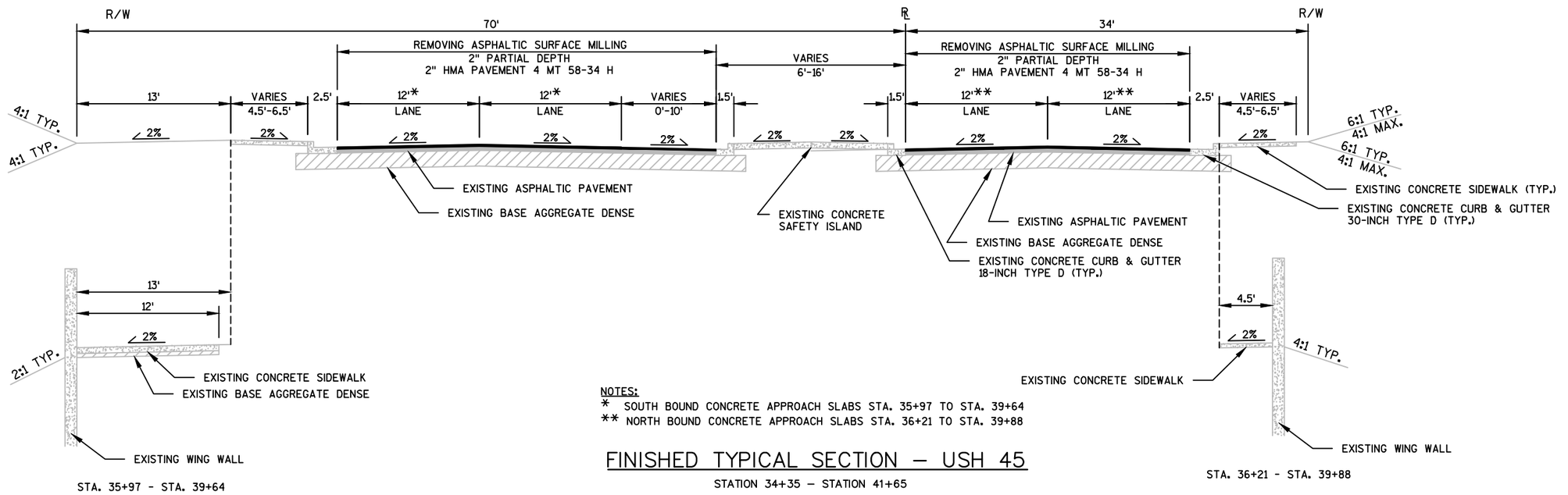
STATION 20+15 – STATION 22+80

PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	FINISHED TYPICAL SECTIONS	SHEET 8	E



FINISHED TYPICAL SECTION – USH 45

STATION 22+80 – STATION 26+50



STA. 35+97 - STA. 39+64

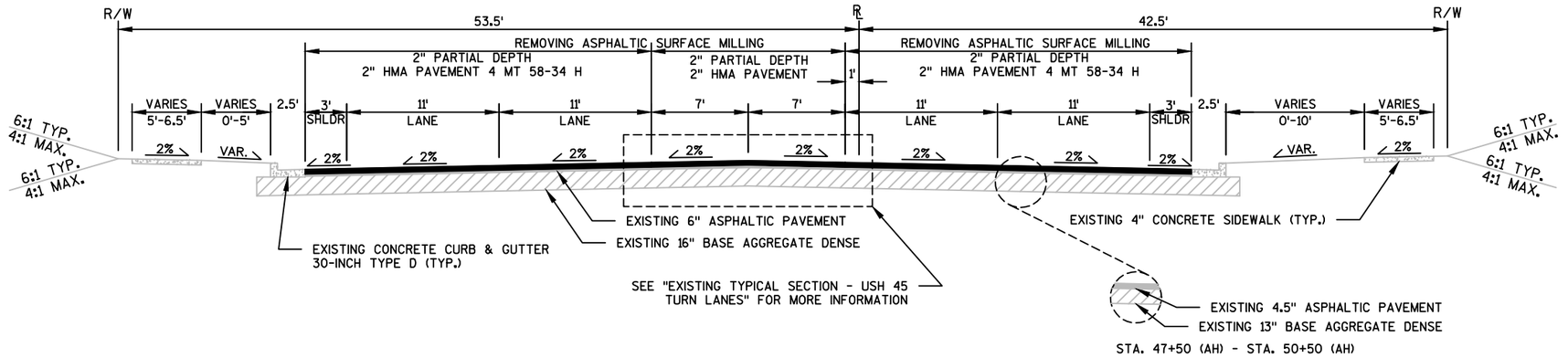
NOTES:
* SOUTH BOUND CONCRETE APPROACH SLABS STA. 35+97 TO STA. 39+64
** NORTH BOUND CONCRETE APPROACH SLABS STA. 36+21 TO STA. 39+88

FINISHED TYPICAL SECTION – USH 45

STATION 34+35 – STATION 41+65

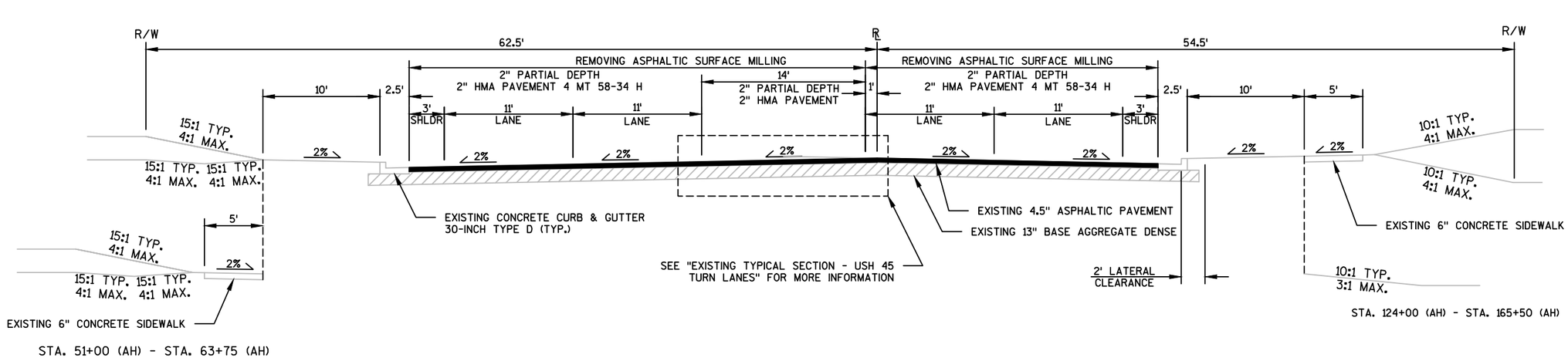
STA. 36+21 - STA. 39+88

PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	FINISHED TYPICAL SECTIONS	SHEET 9	E



FINISHED TYPICAL SECTION – USH 45

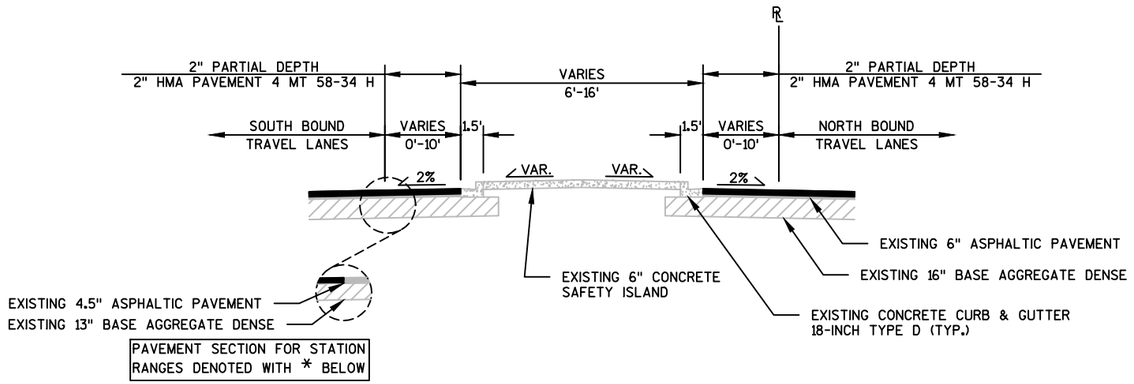
STATION 41+65 – STATION 50+50 (AH)



FINISHED TYPICAL SECTION – USH 45

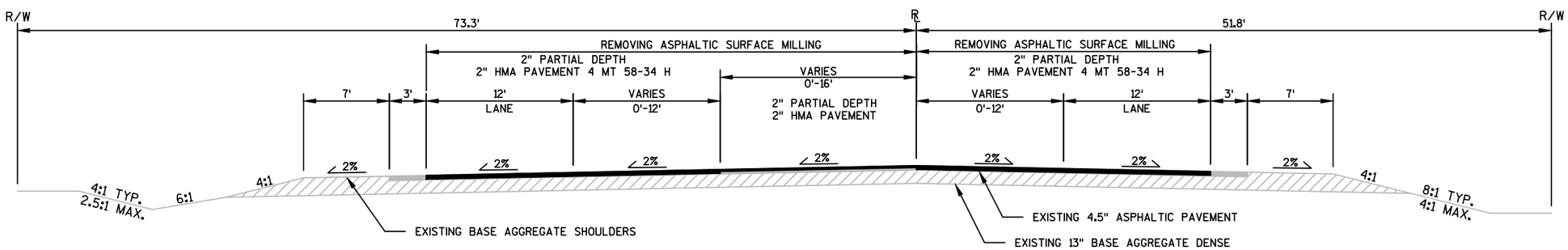
STATION 50+50 (AH) – STATION 165+50 (AH)

PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	FINISHED TYPICAL SECTIONS	SHEET 10	E



FINISHED TYPICAL SECTION – USH 45 TURN LANES

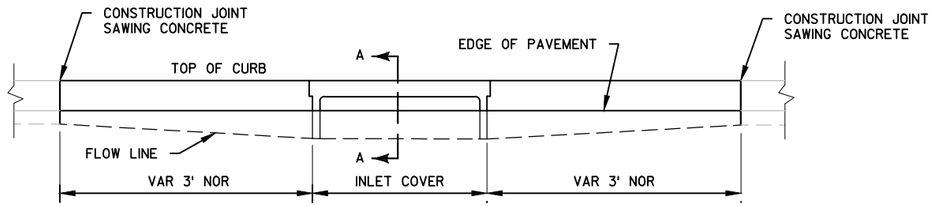
STATION 55+25 – STATION 57+50
STATION 58+56.5 – STATION 63+06.7
STATION 64+05 – STATION 64+93.55 (BK)
STATION 44+93.55 (AH) – STATION 45+55 (AH)
STATION 48+44 (AH)* – STATION 50+00 (AH)*
STATION 51+07 (AH)* – STATION 52+63 (AH)*
STATION 97+50 (AH)* – STATION 103+60 (AH)*
STATION 104+55 (AH)* – STATION 107+20 (AH)*
STATION 151+35 (AH)* – STATION 155+45 (AH)*



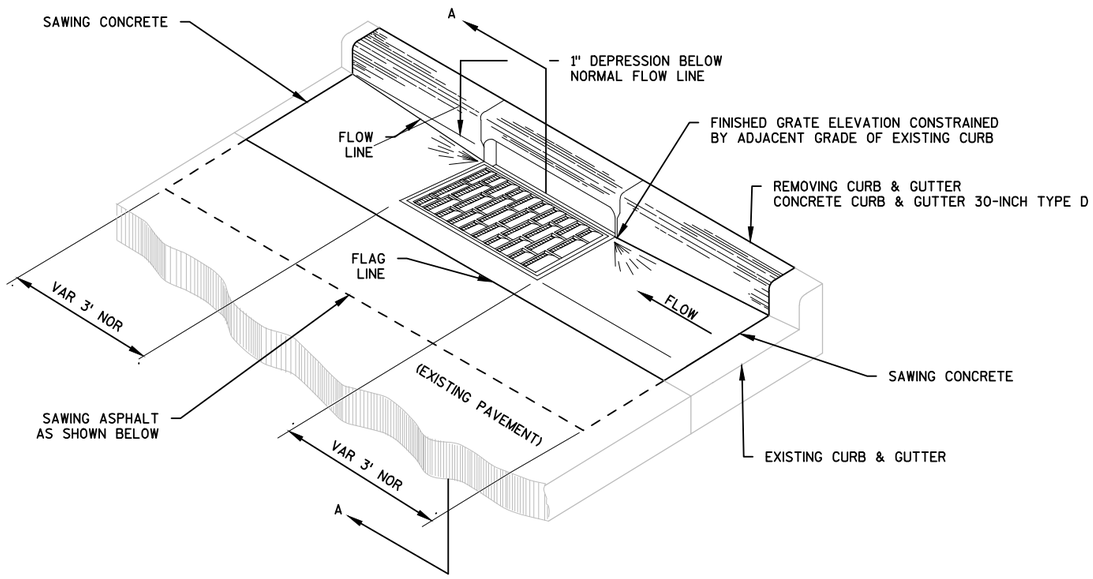
FINISHED TYPICAL SECTION – USH 45

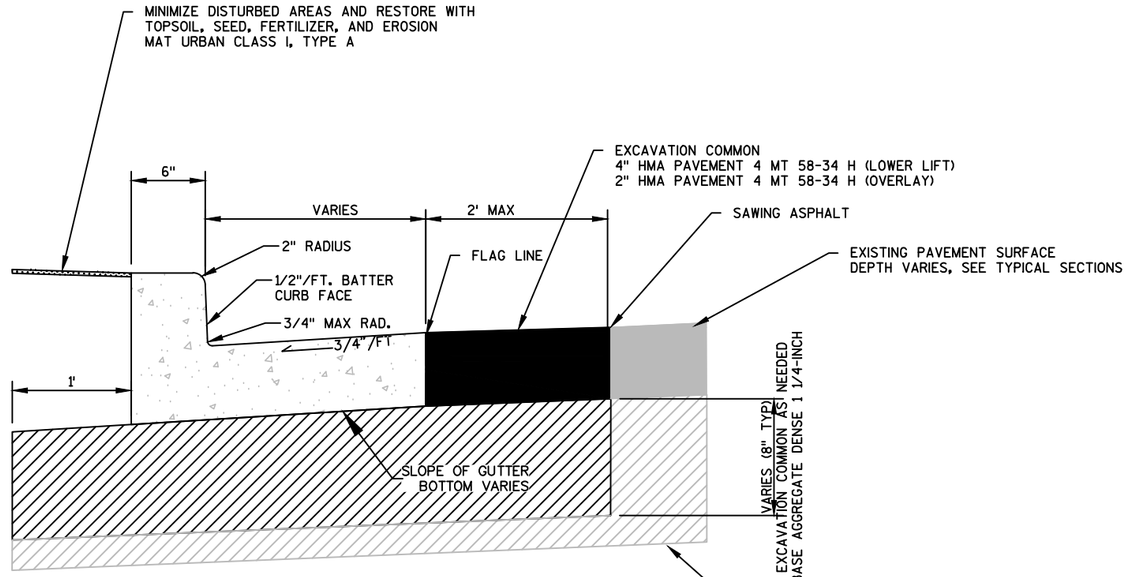
STATION 165+50 (AH) – STATION 174+00 (AH)

PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	FINISHED TYPICAL SECTIONS	SHEET 11	E



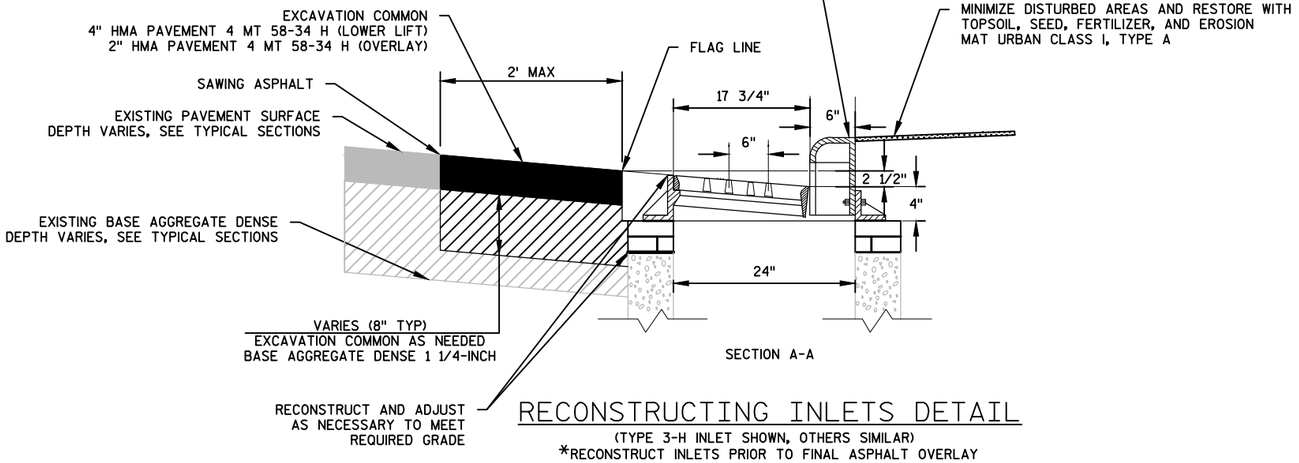
ELEVATION





REPLACING CURB AND GUTTER DETAIL

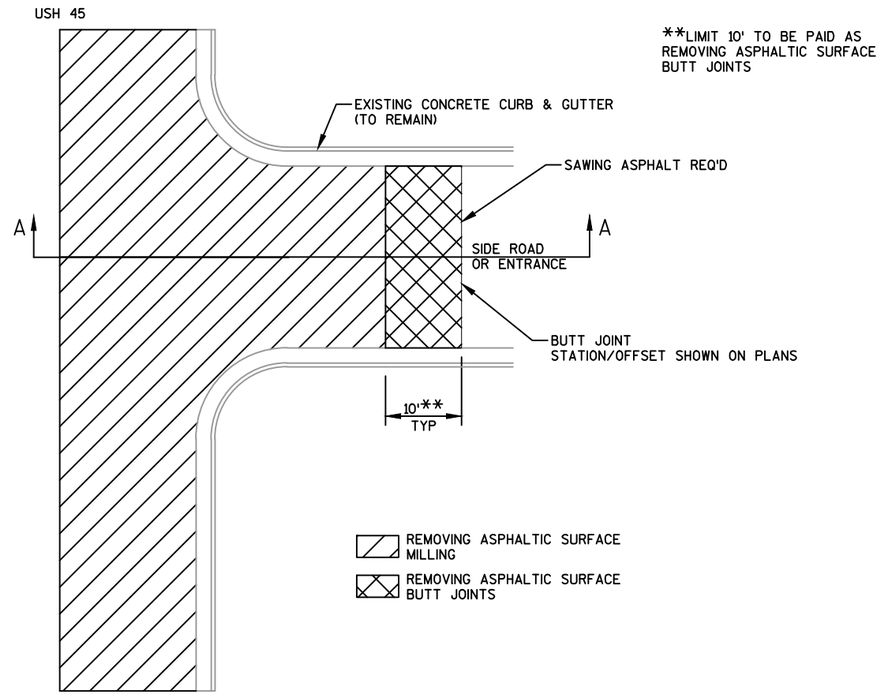
SALVAGE AND RESET EXISTING COVER UNLESS NEW COVER NOTED IN PLAN.
SALVAGE AND RESET, OR REMOVAL OF EXISTING COVERS, PAID FOR AS RECONSTRUCTING INLETS.
NEW COVERS (WHERE REQUIRED) PAID FOR AS INLET COVERS AS NOTED IN PLAN.



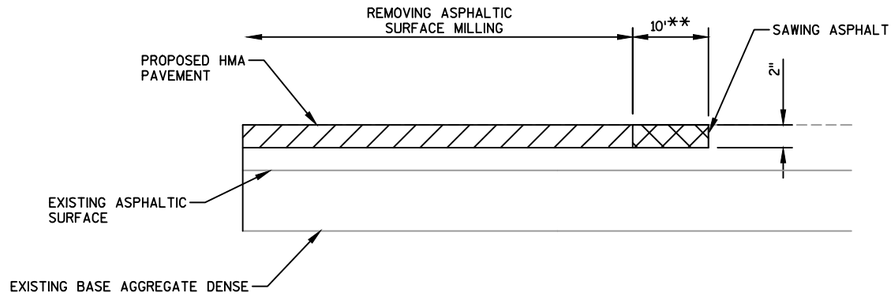
RECONSTRUCTING INLETS DETAIL

(TYPE 3-H INLET SHOWN, OTHERS SIMILAR)
*RECONSTRUCT INLETS PRIOR TO FINAL ASPHALT OVERLAY

2

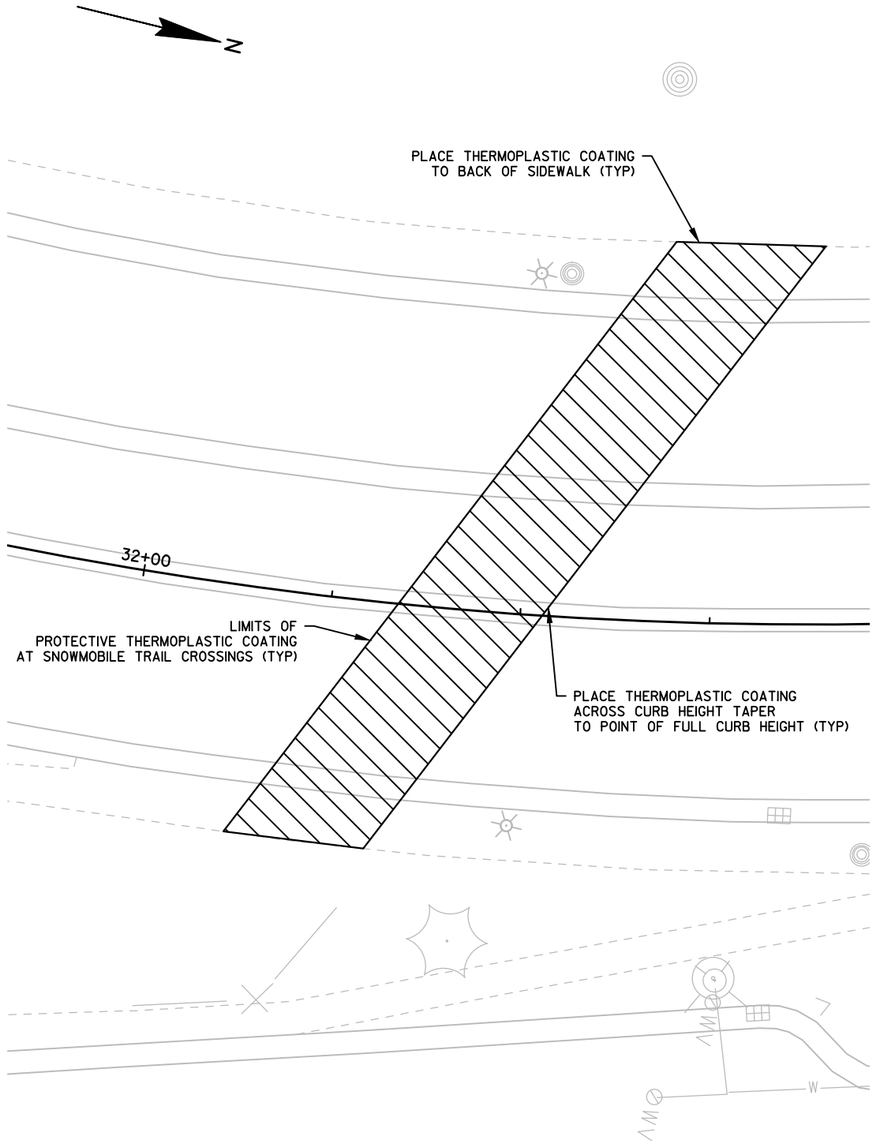


PLAN VIEW

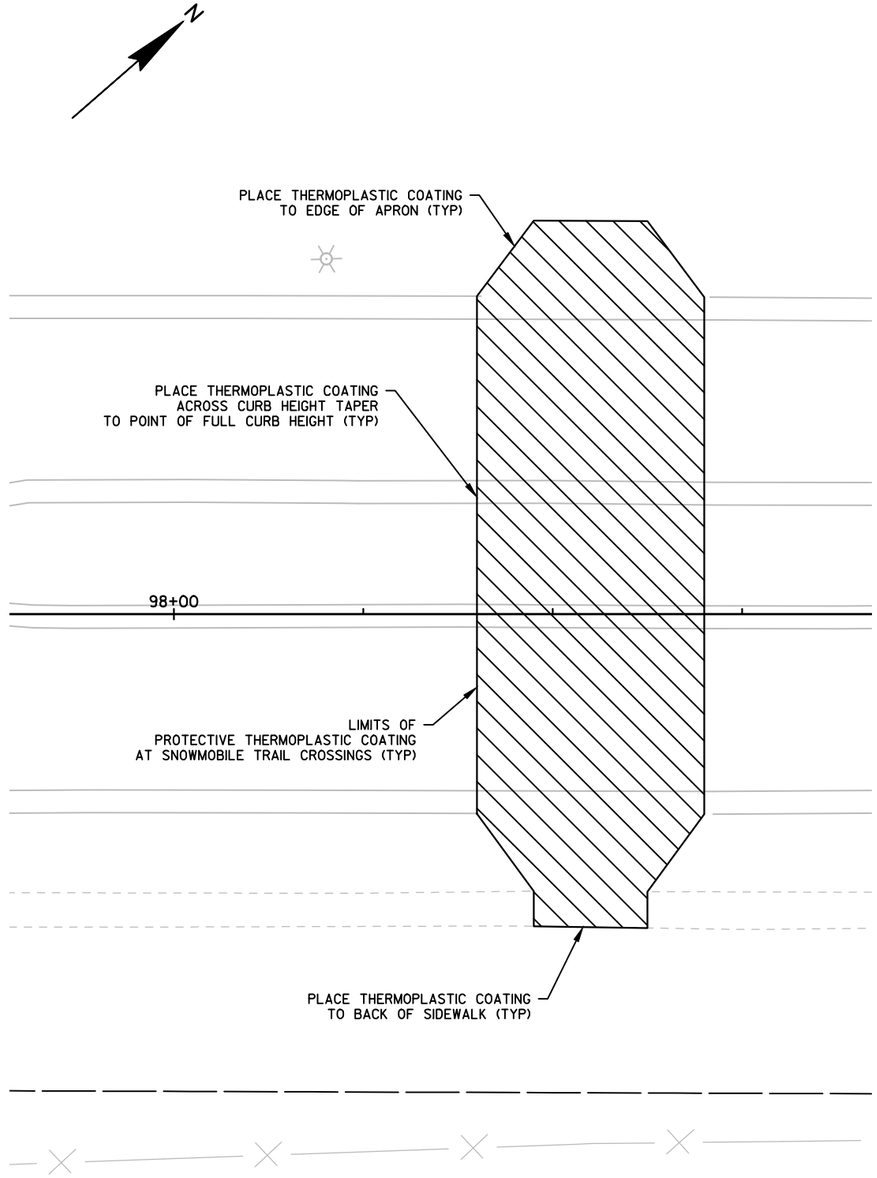


SECTION A-A

BUTT JOINT DETAIL



SNOWMOBILE CROSSING
STA 32+50



SNOWMOBILE CROSSING
STA 98+55

2

2

LEGEND

CS-6	CONCRETE SIDEWALK 6-INCH	XXX	CURB RAMP, TYPE X
CG-18D	CONCRETE CURB AND GUTTER 18-INCH TYPE D		CURB RAMP DETECTABLE WARNING FIELD YELLOW
CG-30D	CONCRETE CURB AND GUTTER 30-INCH TYPE D	//////	SAWING CONCRETE
		XXXXXX	SAWING ASPHALT

N

WILLOW ST

USH 45/STH 32/STH 17
BRIDGE ST

R/W

FO

SAN

W

1929

1930

1903 1904 1905 1907 1906 1910 1911 1900 1931 1933 1934 1901 1932 1902 1913 1914 1915 1916 1917 1918 1919 1920 1921 1922 1923 1924 1925 1926 1927 1928 1912

CS-6

CG-30D

4B1

7.0%

PT: 22+32.95

PC: 22+32.95

22+00

20+00

RECONSTRUCTING INLETS
STA 22+25, 24.21, RT

PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	CONSTRUCTION DETAIL - CURB RAMP	SHEET 15	E

FILE NAME : P:\2014\2014.068 - WISDOT NC - USH 45, VILAS\CAD\16011472\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - ****

PLOT DATE : 4/19/2017 6:47 PM PLOT BY : JED MATTMILLER PLOT NAME : PLOT SCALE : 1 IN:20 FT

STATION & OFFSET TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
1900	21+71.38	73.00 LT	105881.72	500386.80	1638.15
1901	21+71.38	67.00 LT	105876.90	500390.38	1638.07
1902	21+73.61	57.41 LT	105870.86	500398.35	1637.87
1903	21+57.68	83.09 LT	105878.23	500366.15	1637.24
1904	21+61.84	74.75 LT	105875.37	500375.77	1637.58
1905	21+62.76	72.73 LT	105874.56	500377.99	1637.62
1906	21+63.08	68.67 LT	105871.65	500380.85	1637.71
1907	21+64.62	69.35 LT	105873.43	500381.99	1637.67
1910	21+66.46	66.65 LT	105872.78	500385.53	1637.72
1911	21+68.10	64.63 LT	105872.46	500388.44	1637.77
1912	21+15.79	43.68 LT	105812.66	500356.48	1638.66
1913	21+33.34	68.93 LT	105845.77	500352.16	1637.84
1914	21+28.82	60.74 LT	105835.93	500354.14	1638.01
1915	21+27.79	58.72 LT	105833.61	500354.75	1638.05
1916	21+26.80	57.01 LT	105831.55	500355.18	1638.08
1917	21+29.06	57.50 LT	105833.96	500356.72	1638.14
1918	21+23.66	52.64 LT	105825.73	500355.84	1638.17
1919	21+21.80	50.61 LT	105822.68	500355.87	1638.21
1920	21+19.33	59.00 LT	105825.82	500347.51	1638.60
1921	21+19.33	53.00 LT	105821.93	500352.08	1638.52
1922	21+18.98	71.13 LT	105833.32	500337.97	1638.99
1923	21+21.82	69.23 LT	105834.90	500341.82	1638.94
1924	21+14.26	59.71 LT	105821.36	500342.88	1638.59
1925	21+12.63	58.42 LT	105818.96	500342.60	1638.51
1926	20+99.35	58.01 LT	105805.42	500332.91	1639.58
1927	20+99.02	53.30 LT	105802.35	500336.51	1639.51
1928	21+19.58	62.57 LT	105828.37	500344.99	1638.71
1929	21+01.84	85.00 LT	105823.81	500312.88	0.00
1930	21+88.15	98.00 LT	105915.35	500391.59	0.00
1931	21+75.17	73.04 LT	105884.70	500390.81	1638.23
1932	21+75.25	67.04 LT	105879.89	500394.39	1638.15
1933	21+80.47	73.24 LT	105888.88	500396.43	1638.59
1934	21+80.66	67.24 LT	105884.06	500400.01	1638.49

2

FILE NAME : P:\2014\2014.068 - WISDOT NC - USH 45, VILAS\CAD\16011472\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - ****
PLOT DATE : 4/19/2017 6:48 PM PLOT BY : JED MATTMILLER PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 42

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
2100	29+72.57	43.20 LT	106395.97	500932.43	1638.04
2101	29+72.39	49.41 LT	106397.86	500926.52	1638.05
2102	29+78.00	43.14 LT	106400.67	500934.12	1637.98
2103	29+77.89	49.41 LT	106402.59	500928.15	1637.90
2104	29+84.51	43.00 LT	106406.32	500936.14	1637.56
2106	29+89.97	42.97 LT	106411.10	500937.70	1637.55
2108	30+01.91	43.14 LT	106421.67	500940.73	1637.74
2109	29+96.48	43.09 LT	106416.86	500939.35	1637.79
2110	30+02.08	49.41 LT	106423.58	500934.75	1637.72
2111	29+96.59	49.41 LT	106418.78	500933.33	1637.73
2112	29+90.07	53.50 LT	106414.34	500927.68	1637.39
2113	29+84.47	53.50 LT	106409.54	500926.14	1637.40
2114	29+87.24	54.50 LT	106412.22	500925.96	1637.37
2115	29+87.24	53.50 LT	106411.92	500926.91	1637.43
2116	29+97.61	54.50 LT	106421.14	500928.72	1637.36
2117	29+76.00	54.50 LT	106402.62	500922.78	1637.38
2118	29+77.82	53.50 LT	106403.85	500924.25	1637.34
2119	29+96.66	53.50 LT	106420.03	500929.43	1637.28

LEGEND

CS-6	CONCRETE SIDEWALK 6-INCH	XXX	CURB RAMP, TYPE X
CG-18D	CONCRETE CURB AND GUTTER 18-INCH TYPE D		CURB RAMP DETECTABLE WARNING FIELD YELLOW
CG-30D	CONCRETE CURB AND GUTTER 30-INCH TYPE D	//////	SAWING CONCRETE
		XXXXXX	SAWING ASPHALT

W DIVISION ST

R/W

PC: 28+32.81

7A

2117 2118 2114 2112 CG-18D 2116 2103 2101 2113 2119 2111 2110 2115 2108 2100 2102 2104 2106 2109 CS-6

USH 45/STH 32/STH 17
BRIDGE ST

CG-30D

MH

30+00

RECONSTRUCTING INLETS
STA 31+05, 2.70, RT

R/W

E DIVISION ST

CP 26

N

PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	CONSTRUCTION DETAIL - CURB RAMP	SHEET 17	E

2

2

N

RECONSTRUCTING INLETS
STA 33+35, 19.25, LT

CG-30D

PT; 33+17.12

32+00

RECONSTRUCTING INLETS
STA 34+90, 5.23, LT

CG-30D

34+00

MATCH LINE STA 35+00

CG-30D
4B1
1810
1846
1847
1845
1848
1812
1816
1813
1818
1819
1849
6.2%
1814
1850
1844
1817
1815
CS-6
4'
5'
7.0'
1842
1843
4B1
1837
1851
1838
1841
1839
1852
1840
1811

5
1867
1868
1865
1866
1853
1855
1869
1870
1861
1862
1854
1856
1871
1863
1873
1864
CG-18D

CG-30D
1801
1824
1823
1835
1825
1822
1836
1826
1827
1830
CS-6
1828
1831
CP 27
1829
1808
1832
1
1809
6.5%
1834
1802
1833
1803
1804
1821
1800
1806
1807
4B1

E SPRUCE ST

R/W

LEGEND

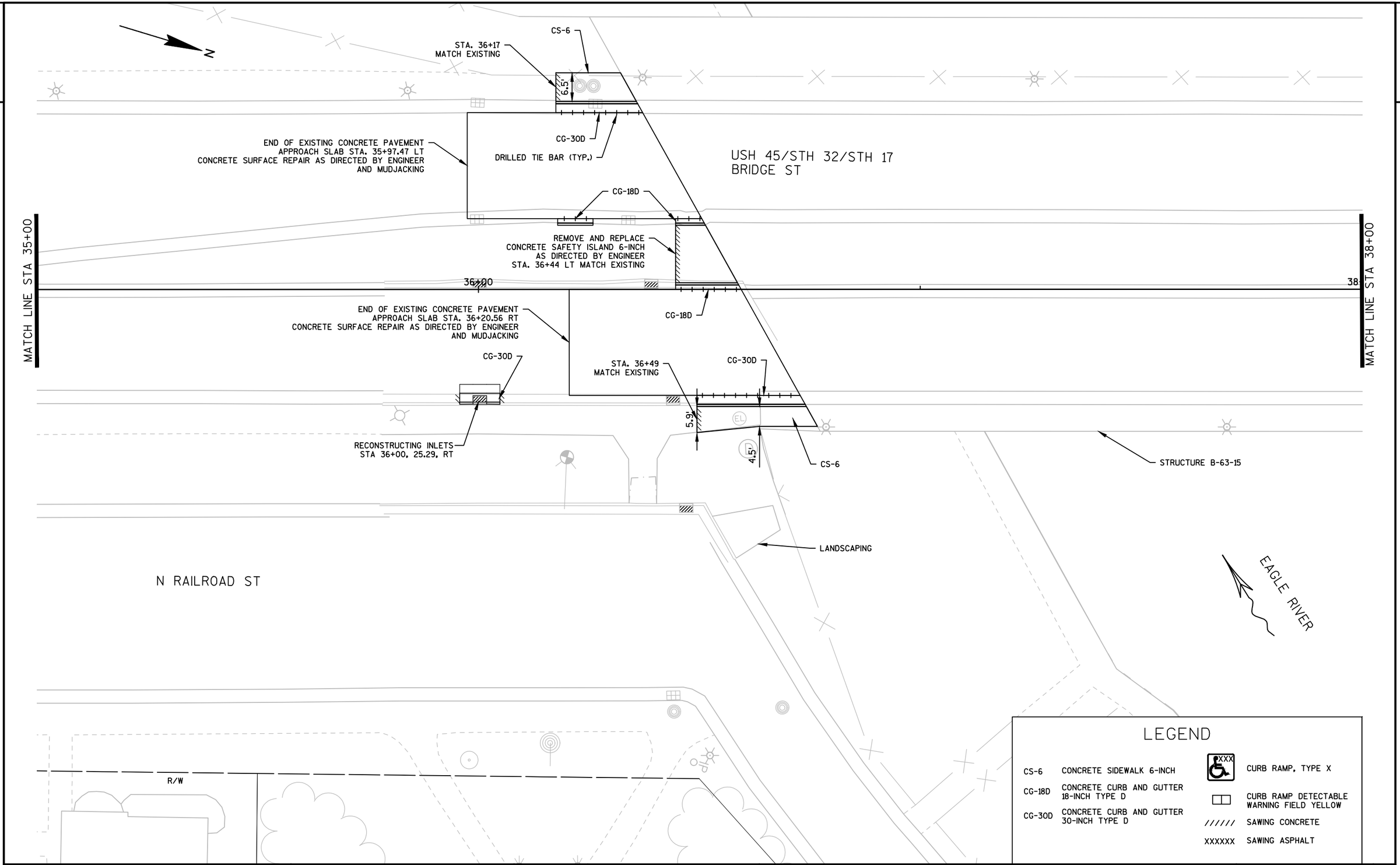
CS-6	CONCRETE SIDEWALK 6-INCH	XXX	CURB RAMP, TYPE X
CG-18D	CONCRETE CURB AND GUTTER 18-INCH TYPE D		CURB RAMP DETECTABLE WARNING FIELD YELLOW
CG-30D	CONCRETE CURB AND GUTTER 30-INCH TYPE D	//////	SAWING CONCRETE
		XXXXXX	SAWING ASPHALT

PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	CONSTRUCTION DETAIL - CURB RAMP	SHEET 18	E

STATION & OFFSET TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
1800	33+95.38	60.74 RT	106813.00	501015.72	1635.98
1801	33+93.38	29.88 RT	106802.13	500986.76	1635.74
1802	33+69.32	58.70 RT	106787.47	501021.33	1636.09
1803	33+71.50	58.87 RT	106789.61	501020.87	1636.11
1804	33+78.50	58.83 RT	106796.29	501018.80	1636.09
1806	33+74.01	58.86 RT	106792.01	501020.13	1636.14
1807	33+74.02	60.86 RT	106792.60	501022.04	1636.18
1808	33+76.50	52.35 RT	106792.50	501013.17	1636.54
1809	33+71.50	52.34 RT	106787.71	501014.62	1636.53
1810	33+06.89	24.00 RT	106717.19	501006.30	1635.99
1811	32+98.04	61.64 RT	106717.96	501045.12	1636.05
1812	33+19.14	29.60 RT	106731.01	501008.07	1636.06
1813	33+19.16	31.60 RT	106731.60	501009.98	1636.07
1814	33+19.20	36.62 RT	106733.10	501014.76	1636.07
1815	33+19.08	38.66 RT	106733.58	501016.75	1636.06
1816	33+12.90	31.58 RT	106725.37	501011.83	1636.44
1817	33+12.90	36.58 RT	106726.78	501016.62	1636.46
1818	33+19.18	34.11 RT	106732.36	501012.37	1636.08
1819	33+21.19	34.13 RT	106734.27	501011.80	1636.09
1821	33+76.50	58.85 RT	106794.38	501019.39	1636.11
1822	33+97.01	38.36 RT	106808.06	500993.83	1636.33
1823	33+94.42	32.15 RT	106803.78	500988.64	1636.23
1824	33+85.71	36.40 RT	106796.68	500995.24	1635.87
1825	33+85.99	36.82 RT	106797.06	500995.56	1636.37
1826	33+80.33	40.38 RT	106792.68	501000.60	1635.93
1827	33+76.17	44.12 RT	106789.79	501005.40	1635.99
1828	33+72.20	48.42 RT	106787.24	501010.67	1636.05
1829	33+72.58	48.75 RT	106787.70	501010.86	1636.53
1830	33+90.13	42.53 RT	106802.69	500999.82	1636.54
1831	33+85.68	46.19 RT	106799.49	501004.62	1636.05
1832	33+82.70	49.95 RT	106797.73	501009.07	1636.12
1833	33+78.50	58.33 RT	106796.15	501018.32	1636.59
1834	33+80.19	54.20 RT	106796.57	501013.87	1636.54
1835	33+77.01	40.59 RT	106789.57	501001.77	1635.98
1836	33+78.35	42.08 RT	106791.28	501002.81	1635.96
1837	33+15.98	48.19 RT	106733.28	501026.80	1636.15
1838	33+13.77	51.50 RT	106731.92	501030.66	1363.12
1839	33+12.30	53.17 RT	106730.85	501032.72	1636.11
1840	33+08.37	56.40 RT	106727.60	501037.02	1636.08
1841	33+06.71	57.36 RT	106726.10	501038.45	1636.07
1842	33+10.28	47.10 RT	106727.03	501027.51	1636.58
1843	33+05.92	48.68 RT	106722.90	501030.33	1636.50
1844	33+07.06	36.62 RT	106720.81	501018.39	1636.55
1845	33+05.88	31.63 RT	106718.24	501013.93	1636.55
1846	33+05.94	25.94 RT	106716.77	501008.43	1636.40
1847	33+01.17	25.90 RT	106711.94	501009.73	1636.40
1848	33+01.13	32.77 RT	106713.69	501016.37	1636.65
1849	33+01.31	34.78 RT	106714.41	501018.25	1636.63
1850	33+02.78	38.70 RT	106716.96	501021.62	1636.65
1851	33+10.26	55.04 RT	106729.21	501035.14	1636.10
1852	33+10.85	57.03 RT	106730.40	501036.87	1636.11
1853	33+50.21	34.09 RT	106762.03	501003.34	1635.87
1854	33+48.86	38.91 RT	106762.14	501008.34	1635.93
1855	33+54.35	35.25 RT	106766.33	501003.24	1635.87
1856	33+52.09	39.84 RT	106765.50	501008.29	1635.95
1861	33+49.52	36.54 RT	106762.09	501005.88	1635.91
1862	33+53.26	37.44 RT	106765.93	501005.66	1635.91
1863	33+47.52	47.04 RT	106763.23	501016.51	1636.06
1864	33+46.99	48.44 RT	106763.12	501018.01	1636.07
1865	33+58.43	27.68 RT	106768.04	500994.81	1635.70
1866	33+57.16	28.47 RT	106767.05	500995.94	1635.74
1867	33+51.16	27.01 RT	106760.89	500996.28	1635.78
1868	33+52.07	28.20 RT	106762.10	500997.16	1635.80
1869	33+48.00	36.42 RT	106760.60	501006.21	1635.90
1870	33+54.75	37.82 RT	106767.47	501005.58	1635.92
1871	33+50.49	39.33 RT	106763.82	501008.27	1635.96
1872	33+52.29	34.63 RT	106764.19	501003.25	1635.91
1873	33+49.46	45.17 RT	106764.54	501014.15	1635.25

2



LEGEND

CS-6	CONCRETE SIDEWALK 6-INCH
CG-18D	CONCRETE CURB AND GUTTER 18-INCH TYPE D
CG-30D	CONCRETE CURB AND GUTTER 30-INCH TYPE D
XXX	CURB RAMP, TYPE X
	CURB RAMP DETECTABLE WARNING FIELD YELLOW
//////	SAWING CONCRETE
XXXXXX	SAWING ASPHALT

PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	CONSTRUCTION DETAIL - STRUCTURE APPROACH REPAIRS	SHEET 20	E

FILE NAME : P:\2014\2014.068 - WISDOT NC - USH 45, VILAS\CAD\16011472\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - ****
PLOT DATE : 4/19/2017 6:51 PM PLOT BY : JED MATTMILLER PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 42

2

N

CS-6

STA. 39+17
MATCH EXISTING

6.5'

CG-30D

USH 45/STH 32/STH 17
BRIDGE ST

END OF EXISTING CONCRETE PAVEMENT
APPROACH SLAB STA. 39+64.07 LT
CONCRETE SURFACE REPAIR AS DIRECTED BY ENGINEER
AND MUDJACKING

DRILLED TIE BAR (TYP.)

CG-18D

REMOVE AND REPLACE
CONCRETE SAFETY ISLAND 6-INCH
AS DIRECTED BY ENGINEER
STA. 39+39 LT MATCH EXISTING

MATCH LINE STA 38+00

00

40+00

CG-18D

END OF EXISTING CONCRETE PAVEMENT
APPROACH SLAB STA. 39+87.80 RT
CONCRETE SURFACE REPAIR AS DIRECTED BY ENGINEER
AND MUDJACKING

CG-30D

STRUCTURE B-63-15

CS-6

4.5'

STA. 39+69
MATCH EXISTING

EAGLE RIVER

RIPRAP

LEGEND

CS-6	CONCRETE SIDEWALK 6-INCH	XXX	CURB RAMP, TYPE X
CG-18D	CONCRETE CURB AND GUTTER 18-INCH TYPE D		CURB RAMP DETECTABLE WARNING FIELD YELLOW
CG-30D	CONCRETE CURB AND GUTTER 30-INCH TYPE D	//////	SAWING CONCRETE
		XXXXXX	SAWING ASPHALT

PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	CONSTRUCTION DETAIL - STRUCTURE APPROACH REPAIRS	SHEET 21	E

FILE NAME : P:\2014\2014.068 - WISDOT NC - USH 45, VILAS\CAD\16011472\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - ****
PLOT DATE : 4/19/2017 6:52 PM PLOT BY : JED MATTMILLER PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 42

2

2

RW

RW

N

W ILLINOIS ST

N MICHIGAN ST

MH

CP 28

1721

1720

1710
1715
1714
CS-6
1713
1719
7.0%
8%
1712
1717
1718
EL
1711
1716
4A1
CG-30D

1701
1
1703
1726
CS-6
1725
1709
1722
1702
7.0%
5%
1724
1708
1705
1723
1727
1704
1706
1700
1707
CG-30D

USH 45/STH 32/STH 17
N RAILROAD ST

46+00

48+00

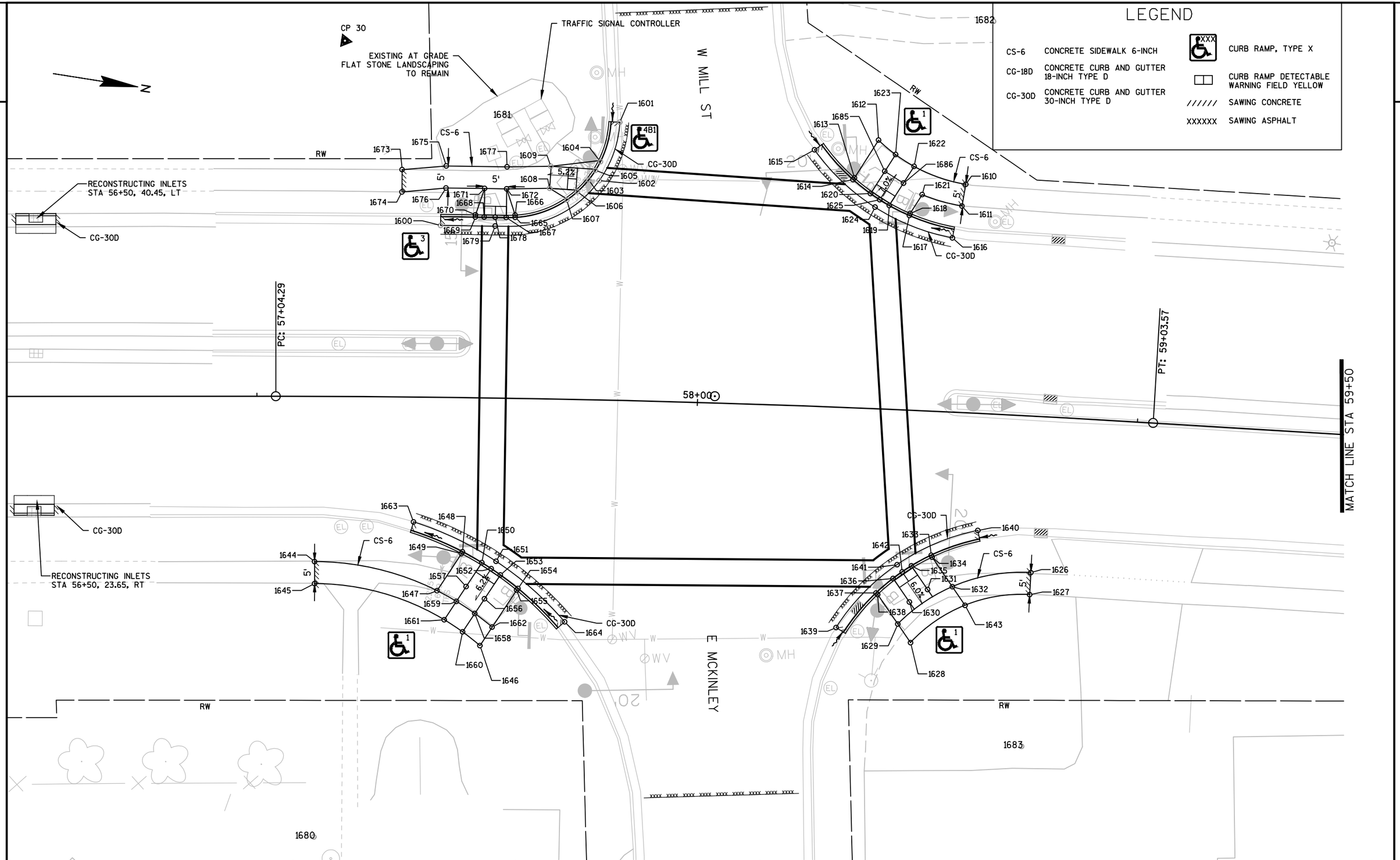
LEGEND

CS-6	CONCRETE SIDEWALK 6-INCH	XXX	CURB RAMP, TYPE X
CG-18D	CONCRETE CURB AND GUTTER 18-INCH TYPE D		CURB RAMP DETECTABLE WARNING FIELD YELLOW
CG-30D	CONCRETE CURB AND GUTTER 30-INCH TYPE D	//////	SAWING CONCRETE
		XXXXXX	SAWING ASPHALT

PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	CONSTRUCTION DETAIL - CURB RAMP	SHEET 22	E

FILE NAME : P:\2014\2014.068 - WISDOT NC - USH 45, VILAS\CAD\16011472\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - ****

PLOT DATE : 4/19/2017 6:53 PM PLOT BY : JED MATTMILLER PLOT NAME : PLOT SCALE : 1 IN:20 FT



PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	CONSTRUCTION DETAIL - CURB RAMP	SHEET 23	E

2

STATION & OFFSET TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
1600	57+41.27	39.00 LT	109066.30	500370.23	1638.78
1601	57+80.94	63.13 LT	109102.86	500340.76	1639.26
1602	57+76.62	49.75 LT	109100.29	500354.60	1639.17
1603	57+74.26	49.87 LT	109097.90	500354.81	1639.11
1604	57+76.80	54.06 LT	109099.89	500350.31	1639.14
1605	57+75.75	52.06 LT	109099.10	500352.43	1639.12
1606	57+71.80	47.13 LT	109095.79	500357.85	1639.08
1607	57+69.46	45.20 LT	109093.70	500360.09	1639.06
1608	57+65.56	47.79 LT	109089.43	500358.06	1639.43
1609	57+65.75	52.79 LT	109088.93	500353.09	1639.51
1610	58+58.53	51.78 LT	109182.60	500342.50	1640.44
1611	58+57.93	46.81 LT	109182.54	500347.50	1640.32
1612	58+38.66	60.93 LT	109161.50	500335.67	1640.00
1613	58+33.63	52.15 LT	109157.43	500344.98	1639.69
1614	58+33.32	51.76 LT	109157.16	500345.40	1639.19
1615	58+24.47	58.17 LT	109147.47	500340.10	1639.16
1616	58+56.13	39.49 LT	109181.52	500354.98	1639.87
1617	58+46.25	44.13 LT	109171.06	500351.47	1639.61
1618	58+46.41	44.61 LT	109171.17	500350.98	1640.11
1619	58+41.66	46.21 LT	109166.21	500349.94	1639.48
1620	58+37.35	48.75 LT	109161.58	500347.91	1639.40
1621	58+48.91	49.00 LT	109173.20	500346.34	1640.15
1622	58+46.83	55.32 LT	109170.39	500340.29	1639.95
1623	58+42.58	57.83 LT	109165.81	500338.29	1639.95
1624	58+38.48	45.70 LT	109163.07	500350.81	1639.48
1625	58+39.47	47.42 LT	109163.86	500348.99	1639.46
1626	58+77.63	35.50 RT	109210.90	500427.25	1640.58
1627	58+77.63	40.50 RT	109211.41	500432.22	1640.66
1628	58+50.78	52.71 RT	109186.40	500447.20	1640.10
1629	58+47.66	48.62 RT	109182.90	500443.48	1640.03
1630	58+50.10	43.50 RT	109184.71	500438.12	1639.93
1631	58+54.15	40.49 RT	109188.35	500434.69	1640.03
1632	58+59.80	39.60 RT	109193.81	500433.19	1640.20
1633	58+54.62	32.67 RT	109187.95	500426.87	1639.70
1634	58+54.85	33.11 RT	109188.23	500427.28	1640.20
1635	58+50.21	35.28 RT	109183.91	500429.95	1639.63
1636	58+46.13	38.32 RT	109180.23	500433.41	1639.55
1637	58+42.36	41.78 RT	109176.93	500437.27	1639.40
1638	58+42.72	42.13 RT	109177.32	500437.58	1639.90
1639	58+33.50	49.98 RT	109169.19	500446.43	1639.46
1640	58+65.02	26.57 RT	109197.54	500419.68	1639.98
1641	58+46.92	35.15 RT	109180.65	500430.18	1639.63
1642	58+48.13	36.75 RT	109182.02	500431.63	1639.59

POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
1643	58+62.93	43.67 RT	109197.31	500436.90	1640.30
1644	57+13.20	37.50 RT	109049.91	500450.05	1639.15
1645	57+13.20	42.50 RT	109050.67	500455.00	1639.23
1646	57+51.43	56.26 RT	109089.95	500463.06	1639.82
1647	57+41.39	43.91 RT	109078.39	500452.25	1639.67
1648	57+47.13	35.00 RT	109082.73	500442.62	1639.09
1649	57+46.90	35.45 RT	109082.57	500443.10	1639.59
1650	57+51.60	37.43 RT	109087.45	500444.40	1639.13
1651	57+54.86	37.06 RT	109090.59	500443.58	1639.19
1652	57+53.77	38.75 RT	109089.76	500445.40	1639.15
1653	57+55.90	40.14 RT	109092.03	500446.48	1639.16
1654	57+60.01	43.14 RT	109096.47	500448.89	1639.19
1655	57+59.69	43.53 RT	109096.21	500449.32	1639.69
1656	57+52.33	45.61 RT	109089.32	500452.39	1639.59
1657	57+48.07	42.91 RT	109084.77	500450.32	1639.51
1658	57+50.14	48.98 RT	109087.66	500456.04	1639.65
1659	57+45.87	46.28 RT	109083.11	500453.96	1639.57
1660	57+47.39	53.19 RT	109085.58	500460.59	0.00
1661	57+43.12	50.49 RT	109081.03	500458.52	1639.65
1662	57+54.20	52.01 RT	109092.04	500458.48	1639.75
1663	57+35.84	28.36 RT	109070.70	500437.67	1638.97
1664	57+70.89	50.51 RT	109108.10	500454.73	1639.30
1665	57+57.98	41.05 LT	109082.75	500365.80	1638.81
1666	57+57.94	41.55 LT	109082.64	500365.31	1639.31
1667	57+55.97	41.00 LT	109080.74	500366.14	1638.79
1668	57+51.03	41.00 LT	109075.79	500366.84	1638.76
1669	57+49.05	41.00 LT	109073.81	500367.12	1638.75
1670	57+49.05	41.50 LT	109073.74	500366.63	1639.25
1671	57+51.03	47.50 LT	109074.88	500360.40	1639.37
1672	57+55.96	47.50 LT	109079.83	500359.70	1639.45
1673	57+32.54	51.57 LT	109055.71	500359.09	1639.33
1674	57+32.52	46.51 LT	109056.44	500364.10	1639.19
1675	57+42.38	52.50 LT	109065.47	500356.71	1639.42
1676	57+42.38	47.50 LT	109066.19	500361.66	1639.35
1677	57+55.96	52.50 LT	109079.12	500354.75	1639.53
1678	57+53.50	41.00 LT	109078.27	500366.49	1638.78
1679	57+53.50	39.00 LT	109078.55	500368.47	1638.93
1680	57+13.20	100.00 RT	109059.47	500511.82	0.00
1681	57+56.43	64.00 LT	109077.99	500343.30	0.00
1682	58+62.97	89.00 LT	109183.08	500305.00	0.00
1683	58+77.63	75.00 RT	109214.97	500466.54	0.00
1685	58+40.33	53.94 LT	109163.98	500342.41	1639.88
1686	58+44.63	51.40 LT	109168.61	500344.44	1639.88

STATION & OFFSET TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
1700	47+82.96	40.05 LT	108118.82	500531.71	1638.08
1701	47+59.91	62.53 LT	108091.18	500514.93	1636.22
1702	47+69.44	48.44 LT	108103.69	500526.53	1636.37
1703	47+65.96	51.69 LT	108099.54	500524.14	1635.92
1704	47+70.78	44.21 LT	108105.94	500530.36	1635.99
1705	47+69.86	47.41 LT	108104.32	500527.45	1635.88
1706	47+74.08	44.56 LT	108109.10	500529.28	1635.93
1707	47+78.94	42.70 LT	108114.29	500530.01	1635.99
1708	47+81.57	46.99 LT	108115.93	500525.25	1636.54
1709	47+81.60	51.99 LT	108114.86	500520.36	1636.61
1710	47+26.86	61.25 LT	108058.96	500523.71	1636.22
1711	47+02.39	40.00 LT	108039.84	500550.07	1635.81
1712	47+08.38	43.33 LT	108044.94	500545.44	1636.30
1713	47+08.38	51.00 LT	108043.16	500537.97	1636.38
1714	47+21.67	52.73 LT	108055.80	500533.20	1635.96
1715	47+21.25	53.00 LT	108055.33	500533.04	1636.46
1716	47+08.34	42.82 LT	108045.02	500545.94	1635.80
1717	47+21.01	48.50 LT	108056.12	500537.47	1635.92
1718	47+18.27	48.50 LT	108053.44	500538.11	1635.89
1719	47+20.23	50.69 LT	108054.86	500535.52	1635.93
1720	47+84.54	65.00 LT	108114.90	500507.02	0.00
1721	47+02.39	65.00 LT	108034.04	500525.75	0.00
1722	47+75.42	46.70 LT	108109.95	500526.90	1636.11
1723	47+79.06	43.19 LT	108114.30	500529.51	1636.49
1724	47+69.07	48.03 LT	108103.41	500527.01	1635.87
1725	47+71.29	49.47 LT	108105.28	500525.11	1636.06
1726	47+72.92	51.94 LT	108106.34	500522.34	1636.26
1727	47+71.89	45.86 LT	108106.66	500528.50	1635.91

2

2

LEGEND

CS-6	CONCRETE SIDEWALK 6-INCH	XXX	CURB RAMP, TYPE X
CG-18D	CONCRETE CURB AND GUTTER 18-INCH TYPE D		CURB RAMP DETECTABLE WARNING FIELD YELLOW
CG-30D	CONCRETE CURB AND GUTTER 30-INCH TYPE D	//////	SAWING CONCRETE
CD-6	CONCRETE DRIVEWAY 6-INCH	XXXXXX	SAWING ASPHALT
CG-30A	CONCRETE CURB AND GUTTER 30-INCH TYPE A		

N

CP 31

RW

USH 45/STH 32/STH 17
N RAILROAD ST

MATCH LINE STA 59+50

60+00

62+00

MATCH LINE STA 62+50

CG-30D

CG-18D

XXXX

CG-30A

1513

1520

1519

1518

1515

1514

CD-6

1517

1516

1512

CS-6

1522

1523

5'

7.0%

1521

1527

4B1

CD-6

CG-30A

1507

1506

1508

1509

1505

1504

1511

1510

1502

CS-6

1524

1500

7.0%

5'

1525

1501

1503

1526

RW

MH

LEASING SIGN

CG-30D

RECONSTRUCTING INLETS
STA 62+50, 27.98, RT

ABANDONED PAYPHONE

PIPE BOLLARD

PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	CONSTRUCTION DETAIL - CURB RAMP	SHEET 25	E

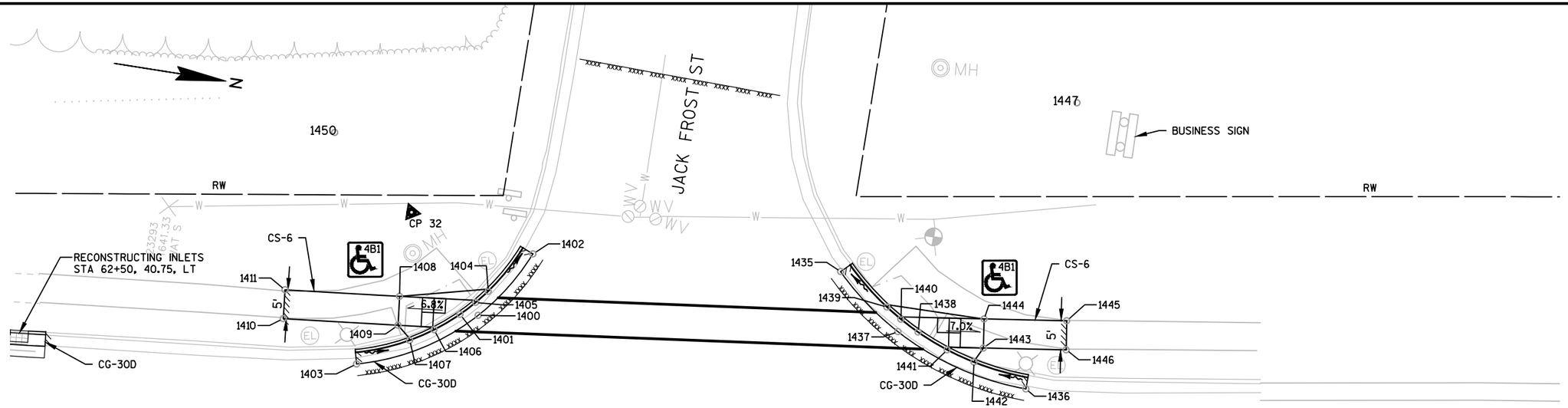
2

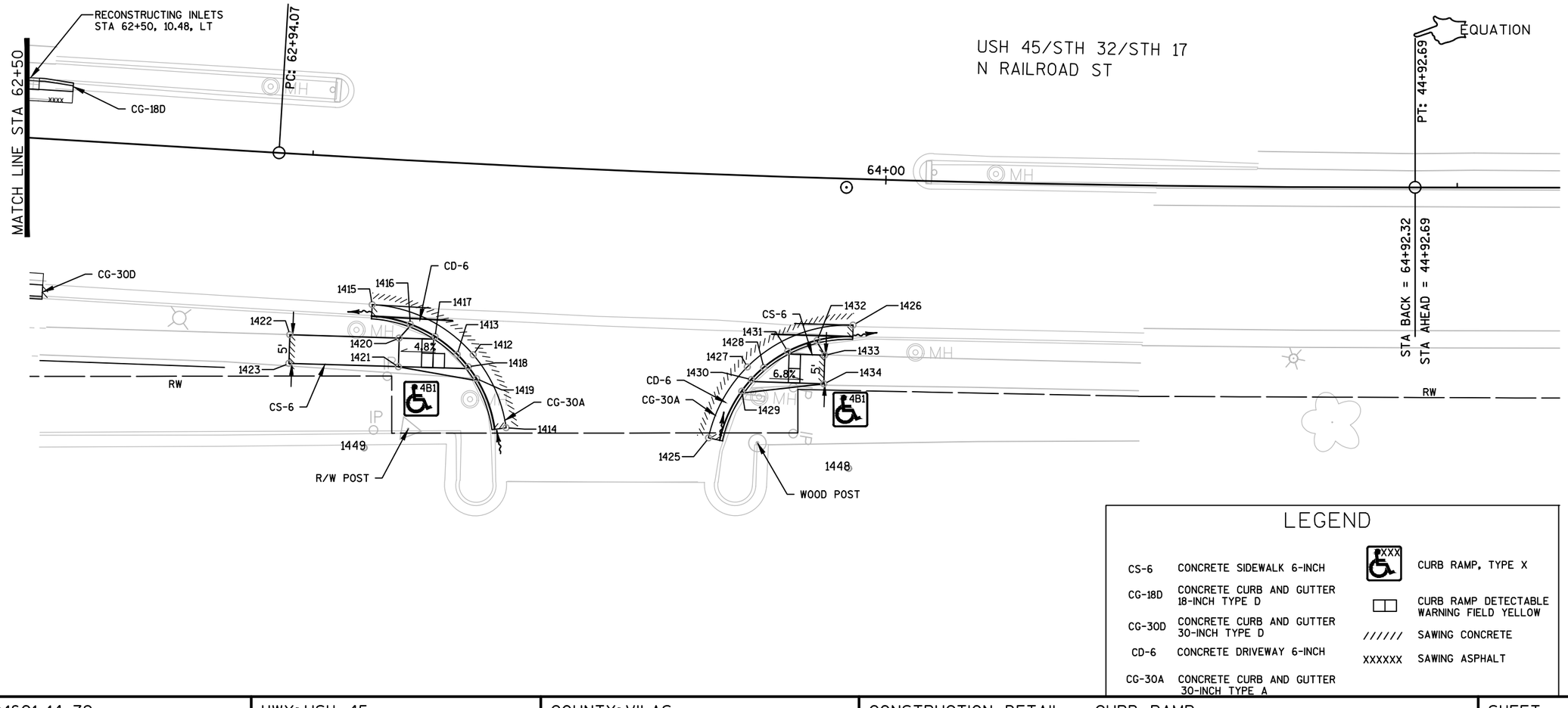
STATION & OFFSET TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
1500	60+93.98	38.00 RT	109426.21	500409.06	1642.36
1501	60+93.98	43.00 RT	109426.68	500414.03	1642.58
1502	60+76.33	38.00 RT	109408.64	500410.74	1641.94
1503	60+76.33	43.00 RT	109409.12	500415.72	1641.98
1504	60+66.73	44.88 RT	109399.74	500418.50	1641.64
1505	60+67.35	42.83 RT	109400.16	500416.41	1641.59
1506	60+69.91	37.72 RT	109402.23	500411.07	1641.49
1507	60+71.45	35.68 RT	109403.56	500408.89	1641.45
1508	60+68.32	40.50 RT	109400.91	500413.99	1641.54
1509	60+66.12	40.50 RT	109398.72	500414.20	1641.58
1510	60+77.96	28.09 RT	109409.32	500400.72	1641.47
1511	60+64.04	50.52 RT	109397.60	500424.37	1641.75
1512	60+29.05	52.53 RT	109362.96	500429.71	1641.88
1513	60+15.95	31.40 RT	109347.90	500409.92	1641.15
1514	60+27.88	40.50 RT	109360.65	500417.84	1641.48
1515	60+25.68	40.50 RT	109358.46	500418.05	1641.45
1516	60+26.97	44.95 RT	109360.17	500422.36	1641.52
1517	60+26.58	42.87 RT	109359.58	500420.32	1641.49
1518	60+23.80	37.69 RT	109356.32	500415.43	1641.40
1519	60+21.44	35.59 RT	109353.77	500413.57	1641.35
1520	60+17.40	38.00 RT	109349.98	500416.35	1642.06
1521	60+17.40	43.00 RT	109350.46	500421.33	1642.14
1522	60+01.86	38.00 RT	109334.51	500417.83	1641.84
1523	60+01.86	43.00 RT	109334.99	500422.81	1641.94
1524	60+81.33	38.00 RT	109413.62	500410.26	1642.02
1525	60+81.33	43.00 RT	109414.09	500415.24	1642.10
1526	60+89.04	50.50 RT	109422.48	500421.97	0.00
1527	60+14.04	46.28 RT	109347.42	500424.91	0.00

2

2





LEGEND

CS-6	CONCRETE SIDEWALK 6-INCH	XXX	CURB RAMP, TYPE X
CG-18D	CONCRETE CURB AND GUTTER 18-INCH TYPE D		CURB RAMP DETECTABLE WARNING FIELD YELLOW
CG-30D	CONCRETE CURB AND GUTTER 30-INCH TYPE D	//////	SAWING CONCRETE
CD-6	CONCRETE DRIVEWAY 6-INCH	XXXXXX	SAWING ASPHALT
CG-30A	CONCRETE CURB AND GUTTER 30-INCH TYPE A		

PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	CONSTRUCTION DETAIL - CURB RAMP	SHEET 27	E

FILE NAME : P:\2014\2014.068 - WISDOT NC - USH 45, VILAS\CAD\16011472\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - ****
PLOT DATE : 4/19/2017 6:57 PM PLOT BY : JED MATTMILLER PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 42

STATION & OFFSET TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
1400	63+28.81	48.43 LT	109651.21	500300.53	1641.50
1401	63+25.63	48.45 LT	109648.09	500300.83	1641.44
1402	63+37.85	59.45 LT	109658.87	500288.61	1641.40
1403	63+08.06	38.96 LT	109631.82	500312.05	1641.69
1404	63+30.35	52.66 LT	109652.27	500296.16	1641.41
1405	63+28.27	50.63 LT	109650.45	500298.39	1641.42
1406	63+21.24	45.57 LT	109644.09	500304.15	1641.49
1407	63+17.09	43.54 LT	109640.23	500306.59	1641.51
1408	63+14.90	51.00 LT	109637.32	500299.39	1642.06
1409	63+14.90	46.00 LT	109637.83	500304.36	1641.98
1410	62+94.83	46.00 LT	109618.13	500306.31	1642.07
1411	62+94.83	51.00 LT	109617.65	500301.33	1642.17
1412	63+29.65	33.29 RT	109660.70	500381.69	1641.80
1413	63+26.89	33.36 RT	109657.93	500382.06	1641.74
1414	63+35.93	45.73 RT	109668.35	500393.38	1642.26
1415	63+11.75	25.50 RT	109641.93	500375.81	1641.61
1416	63+18.51	28.54 RT	109649.02	500378.15	1641.59
1417	63+22.91	30.47 RT	109653.64	500379.60	1641.67
1418	63+28.89	35.42 RT	109660.16	500383.90	1641.79
1419	63+30.42	37.43 RT	109661.91	500385.73	1641.83
1420	63+16.73	31.07 RT	109647.49	500380.84	1642.11
1421	63+16.86	36.06 RT	109648.13	500385.80	1642.19
1422	62+97.83	31.57 RT	109628.56	500383.23	1642.10
1423	62+97.96	36.56 RT	109629.17	500388.19	1642.28
1425	63+70.80	46.00 RT	109703.51	500389.65	1642.54
1426	63+95.03	25.50 RT	109725.32	500366.30	1641.85
1427	63+77.03	33.40 RT	109708.26	500376.38	1641.95
1428	63+79.85	33.39 RT	109711.10	500376.03	1641.89
1429	63+76.22	37.64 RT	109707.96	500380.69	1641.97
1430	63+77.77	35.56 RT	109709.27	500378.44	1641.94
1431	63+83.90	30.45 RT	109714.80	500372.61	1641.86
1432	63+88.91	28.35 RT	109719.55	500369.91	1641.83
1433	63+90.30	30.88 RT	109721.26	500372.24	1642.33
1434	63+90.30	35.88 RT	109721.88	500377.21	1642.40
1435	63+91.89	58.48 LT	109711.69	500283.38	1641.52
1436	64+24.80	39.12 LT	109746.35	500298.37	1641.99
1437	64+02.24	48.43 LT	109723.06	500292.06	1641.71
1438	64+05.76	48.46 LT	109726.50	500291.59	1641.64
1439	64+00.20	52.62 LT	109720.53	500288.16	1641.55
1440	64+02.69	50.60 LT	109723.22	500289.85	1641.62
1441	64+10.91	45.55 LT	109731.90	500293.81	1641.70
1442	64+15.66	43.53 LT	109736.81	500295.20	1641.74
1443	64+17.22	46.00 LT	109738.01	500292.55	1642.28
1444	64+17.22	51.00 LT	109737.35	500287.59	1642.35
1445	64+31.70	51.00 LT	109751.48	500285.67	1642.51
1446	64+31.70	46.00 LT	109752.16	500290.62	1642.40
1447	64+32.79	88.50 LT	109747.39	500248.38	0.00
1448	63+95.03	50.50 RT	109728.47	500391.11	0.00
1449	63+11.75	50.50 RT	109644.44	500400.68	0.00
1450	63+01.91	78.50 LT	109621.91	500273.29	0.00

2

2

N

RW

CP 33

4B1

CS-6

1336

1318

1319

1323

1324

1344

6.3%

5'

1325

1345

1322

1354

1320

1321

1337

CG-30D

RECONSTRUCTING INLETS
STA 46+50, 40.25, LT
FL ELEV = 1641.09

1335

1353

4B1

CS-6

1333

1346

1326

1330

1327

7.0%

1331

1338

1339

1328

1332

1329

1347

1334

CG-30D

RECONSTRUCTING INLETS
STA 47+50, 40.27, LT
FL ELEV = 1641.17

CG-30D

USH 45/STH 32/STH 17
N RAILROAD ST

46+00

48+00

1314

CG-30A

CS-6

1309

1313

1343

1342

4.4%

1312

1310

4B

CD-6

WOOD POST
1355

1315

4B

CS-6

CG-30A

1317

1305

1341

1301

1340

1302

4.0%

1306

1303

1300

CD-6

1316

CONCRETE CURB PEDESTRIAN (TYP)

1356

CG-30D

RW

RECONSTRUCTING INLETS
STA 47+52, 28.03, RT

LEGEND

CS-6	CONCRETE SIDEWALK 6-INCH	XXX	CURB RAMP, TYPE X
CG-18D	CONCRETE CURB AND GUTTER 18-INCH TYPE D		CURB RAMP DETECTABLE WARNING FIELD YELLOW
CG-30D	CONCRETE CURB AND GUTTER 30-INCH TYPE D	//////	SAWING CONCRETE
CD-6	CONCRETE DRIVEWAY 6-INCH	XXXXXX	SAWING ASPHALT
CG-30A	CONCRETE CURB AND GUTTER 30-INCH TYPE A		

PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	CONSTRUCTION DETAIL - CURB RAMP	SHEET 29	E

FILE NAME : P:\2014\2014.068 - WISDOT NC - USH 45, VILAS\CAD\1601147\2\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - ****

PLOT DATE : 4/19/2017 6:59 PM PLOT BY : JED MATTMILLER PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 42

STATION & OFFSET TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
1300	47+13.92	37.01 RT	110042.73	500329.52	1642.14
1301	47+13.92	32.22 RT	110041.98	500324.80	1641.94
1302	47+01.92	31.04 RT	110029.95	500325.50	1641.94
1303	47+01.92	36.04 RT	110030.72	500330.44	1642.01
1305	46+95.67	30.61 RT	110023.70	500326.04	1641.63
1306	46+89.60	35.72 RT	110018.50	500332.03	1641.76
1309	46+27.53	31.05 RT	109956.45	500337.06	1641.96
1310	46+27.53	36.04 RT	109957.23	500341.99	1642.04
1312	46+39.85	35.72 RT	109969.35	500339.76	1641.67
1313	46+33.78	30.61 RT	109962.56	500335.65	1641.55
1314	46+22.23	25.50 RT	109950.35	500332.40	1641.36
1315	46+47.23	50.50 RT	109978.93	500353.21	1642.69
1316	46+82.23	50.50 RT	110013.51	500347.78	1642.85
1317	47+07.23	25.50 RT	110034.32	500319.20	1641.33
1318	46+59.00	52.97 LT	109974.49	500249.17	1641.40
1319	46+59.00	50.97 LT	109974.80	500251.14	1641.37
1320	46+59.00	45.97 LT	109975.58	500256.08	1641.25
1321	46+59.00	43.97 LT	109975.89	500258.06	1641.22
1322	46+52.50	45.97 LT	109969.16	500257.09	1641.69
1323	46+52.50	50.97 LT	109968.38	500252.15	1641.78
1324	46+45.17	50.85 LT	109961.16	500253.41	1641.80
1325	46+45.15	45.95 LT	109961.90	500258.25	1641.69
1326	46+93.28	52.63 LT	110008.42	500244.18	1641.35
1327	46+94.86	50.64 LT	110010.28	500245.90	1641.33
1328	47+00.69	45.55 LT	110016.83	500250.02	1641.29
1329	47+03.85	43.77 LT	110020.23	500251.29	1641.28
1330	47+06.35	50.97 LT	110021.58	500243.79	1641.79
1331	47+06.35	45.97 LT	110022.36	500248.73	1641.72
1332	47+11.35	45.92 LT	110027.31	500248.01	1641.80
1333	47+11.35	50.81 LT	110026.55	500243.17	1641.87
1334	47+16.00	39.00 LT	110032.97	500254.12	1641.25
1335	46+86.00	69.00 LT	109998.68	500229.14	1641.70
1336	46+61.00	69.37 LT	109973.92	500232.66	1641.62
1337	46+45.88	38.50 LT	109963.78	500265.50	1641.22
1338	46+93.81	48.82 LT	110009.52	500247.87	1641.35
1339	46+96.68	48.74 LT	110012.37	500247.50	1641.32
1340	46+88.86	33.54 RT	110017.42	500330.00	1641.73
1341	46+91.69	33.54 RT	110020.22	500329.56	1641.67
1342	46+40.60	33.54 RT	109969.75	500337.49	1641.68
1343	46+37.77	33.54 RT	109966.95	500337.93	1641.62
1344	46+59.00	48.53 LT	109975.18	500253.55	1641.34
1345	46+61.00	48.55 LT	109977.16	500253.22	1641.38

POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
1346	47+16.35	50.81 LT	110031.49	500242.39	1641.88
1347	47+16.35	45.86 LT	110032.26	500247.28	1641.74
1353	47+16.00	69.00 LT	110028.31	500224.48	0.00
1354	46+56.00	43.50 LT	109973.00	500258.99	0.00
1355	46+22.23	50.50 RT	109954.24	500357.10	0.00
1356	47+07.23	50.50 RT	110038.20	500343.89	0.00

2

2

N

2099

2097

CP 34

TRAFFIC SIGNAL CONTROLLER

RW

N BLUEBIRD RD

MATCH EXISTING MANHOLE

2034 2030 2032 2041 2029 2028 2025 2027 2039 2026 2024 2035 2036 2023 2019 2020 2042 2031 2033 2022 2021 2018 2040

CG-30D

5' 5' CS-6 6.3%

USH 45/STH 32/STH 17
N RAILROAD ST

15'

2001 2009 2010 2016 2013 2017 2014 2015 2012 2011 2008 2006 2007 2000 2005 2003 2004 2002

20'

6.8%

SLOTTED DRAIN

50+00

52+00

2047 CG-30D 2050 2043 2051 2052 2057 2053 2044 2056 2049 2062 2054 2055 2059 2063 2067 2058 2064 2065

5' CS-6 5.5%

EDGE OF LANDSCAPING

BUSINESS SIGN

RETAINING WALL

2105

EDGE OF LANDSCAPING

E HOSPITAL RD

2094 2095 2071 2072 2073 CG-30D 2074 2076 2096 2093 2077 2078 2080 2068 2081 2069 2070 2092 2082 2083 2084 2085 2075 2086 2089 2088 2087 2079 2090 2091

5' CS-6 6.8%

SIGN GROUND LIGHT

RETAINING WALL

BUSINESS SIGN

2098

RW

LEGEND

CS-6	CONCRETE SIDEWALK 6-INCH	XXX	CURB RAMP, TYPE X
CG-18D	CONCRETE CURB AND GUTTER 18-INCH TYPE D		CURB RAMP DETECTABLE WARNING FIELD YELLOW
CG-30D	CONCRETE CURB AND GUTTER 30-INCH TYPE D	//////	SAWING CONCRETE
		XXXXXX	SAWING ASPHALT

PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	CONSTRUCTION DETAIL - CURB RAMP	SHEET 31	E

FILE NAME : P:\2014\2014.068 - WISDOT NC - USH 45, VILAS\CAD\16011472\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - ****
PLOT DATE : 4/19/2017 7:01 PM PLOT BY : JED MATTMILLER PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 42

STATION & OFFSET TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
2000	51+03.03	50.17 LT	110413.57	500182.97	1642.04
2001	50+91.94	63.60 LT	110400.52	500171.42	1641.89
2002	51+18.39	41.96 LT	110430.02	500188.70	1642.25
2003	51+10.59	47.44 LT	110421.47	500184.50	1642.07
2004	51+10.84	47.87 LT	110421.64	500184.03	1642.57
2005	51+06.30	50.18 LT	110416.80	500182.46	1642.02
2006	51+02.38	53.38 LT	110412.43	500179.90	1641.98
2007	51+04.29	51.72 LT	110414.58	500181.24	1642.00
2008	50+98.85	57.05 LT	110408.37	500176.83	1641.93
2009	50+99.23	57.37 LT	110408.70	500176.45	1642.43
2010	51+06.52	58.39 LT	110415.74	500174.31	1642.38
2011	51+10.39	55.22 LT	110420.06	500176.84	1642.45
2012	51+16.98	55.38 LT	110426.54	500175.66	1642.60
2013	51+09.30	69.67 LT	110416.73	500162.73	1642.53
2014	51+32.04	57.23 LT	110441.14	500171.49	1642.90
2015	51+32.05	52.41 LT	110441.89	500176.25	1642.85
2016	51+09.69	62.26 LT	110418.27	500169.99	1642.46
2017	51+13.56	59.09 LT	110422.59	500172.52	1642.53
2018	50+28.66	63.88 LT	110337.97	500180.98	1642.14
2019	50+22.60	55.02 LT	110333.37	500190.67	1641.78
2020	50+22.25	55.37 LT	110332.96	500190.38	1642.28
2021	50+23.50	66.95 LT	110332.40	500178.75	1642.33
2022	50+19.20	69.50 LT	110327.76	500176.89	1642.40
2023	50+18.84	51.59 LT	110330.18	500194.65	1641.83
2024	50+14.73	48.64 LT	110326.58	500198.20	1641.89
2025	50+10.05	46.63 LT	110322.27	500200.91	1642.44
2026	50+10.27	46.18 LT	110322.56	500201.32	1641.94
2027	50+00.06	43.32 LT	110312.91	500205.74	1642.50
2028	49+98.89	49.20 LT	110310.84	500200.10	1642.52
2029	49+79.73	48.50 LT	110292.03	500203.77	1642.65
2030	49+79.69	53.50 LT	110291.21	500198.84	1642.74
2031	50+15.02	56.86 LT	110325.59	500190.03	1642.24
2032	50+10.97	53.94 LT	110322.04	500193.55	1642.29
2033	50+15.70	64.50 LT	110325.07	500182.38	1642.38
2034	50+03.51	55.77 LT	110314.38	500192.90	1642.44
2035	50+18.00	48.43 LT	110329.84	500197.90	1641.90
2036	50+16.83	50.05 LT	110328.43	500196.48	1641.86
2039	49+95.79	40.18 LT	110309.18	500209.50	1642.15
2040	50+32.94	66.81 LT	110341.74	500177.42	1641.70
2041	50+06.49	51.60 LT	110317.98	500196.55	1642.37
2042	50+18.68	60.34 LT	110328.67	500186.03	1642.31
2043	49+66.24	31.50 RT	110291.12	500284.90	1642.47
2044	49+66.24	36.50 RT	110291.90	500289.84	1642.53
2047	49+75.66	24.13 RT	110299.29	500276.15	1642.00
2049	49+89.57	37.63 RT	110315.13	500287.33	1642.58
2050	49+94.29	32.05 RT	110318.92	500281.09	1641.98
2051	49+94.03	32.48 RT	110318.73	500281.55	1642.48
2052	49+98.51	34.91 RT	110323.53	500283.26	1642.00
2053	50+02.33	38.23 RT	110327.82	500285.94	1641.97
2054	50+05.05	41.15 RT	110330.97	500288.40	1641.91
2055	50+04.65	41.44 RT	110330.61	500288.75	1642.41
2056	50+00.46	36.51 RT	110325.71	500284.53	1642.01
2057	50+01.78	35.00 RT	110326.77	500282.84	1642.03
2058	50+14.38	53.08 RT	110342.04	500298.74	1642.36
2059	50+07.33	44.92 RT	110333.80	500291.78	1642.35
2062	49+94.18	39.95 RT	110320.04	500288.90	1642.36
2063	49+98.05	43.12 RT	110324.35	500291.43	1642.33
2064	49+97.03	55.67 RT	110325.29	500303.99	1643.16
2065	50+02.02	55.89 RT	110330.26	500303.44	1643.08
2067	50+03.09	48.12 RT	110330.11	500295.59	1642.56
2068	50+92.56	30.21 RT	110415.72	500264.00	1642.32
2069	50+92.78	30.66 RT	110416.00	500264.41	1642.82
2070	50+90.39	31.33 RT	110413.75	500265.44	1642.30
2071	50+84.87	34.94 RT	110408.85	500269.87	1642.25
2072	50+82.85	36.60 RT	110407.11	500271.83	1642.23
2073	50+83.18	36.98 RT	110407.49	500272.15	1642.73
2074	50+74.55	46.38 RT	110400.43	500282.78	1642.25
2075	50+74.98	46.65 RT	110400.89	500282.97	1642.75
2076	50+73.46	48.26 RT	110399.64	500284.80	1642.26
2077	50+71.22	52.98 RT	110398.16	500289.81	1642.28
2078	50+70.50	54.90 RT	110397.75	500291.82	1642.29
2079	50+70.97	55.06 RT	110398.24	500291.91	1642.79
2080	50+66.39	64.09 RT	110395.12	500301.54	1642.51
2081	51+01.21	25.11 RT	110423.46	500257.62	1642.45
2082	51+15.80	36.50 RT	110439.64	500266.61	1643.06
2083	51+15.80	41.50 RT	110440.42	500271.55	1643.17
2084	50+89.43	41.89 RT	110414.44	500276.02	1642.80
2085	50+84.47	41.30 RT	110409.44	500276.21	1642.75
2086	50+83.40	50.31 RT	110409.78	500285.28	1642.86
2087	50+86.85	56.06 RT	110414.09	500290.43	1642.92
2088	50+78.85	54.53 RT	110405.95	500290.16	1642.80
2089	50+79.79	49.62 RT	110406.11	500285.16	1642.80
2090	50+89.05	45.15 RT	110414.56	500279.31	1642.80
2091	50+96.97	45.42 RT	110422.43	500278.34	1643.04
2092	50+99.27	38.74 RT	110423.66	500271.39	1642.91
2093	50+70.18	50.33 RT	110396.72	500287.36	1642.35
2094	50+88.30	30.22 RT	110411.51	500264.67	1642.41
2095	50+88.00	32.74 RT	110411.60	500267.21	1642.28
2096	50+72.20	50.72 RT	110398.78	500287.42	1642.27
2097	51+31.52	85.00 LT	110436.31	500144.14	0.00
2098	51+11.12	69.00 RT	110440.07	500299.44	0.00
2099	49+91.78	85.00 LT	110298.26	500165.84	0.00
2105	49+72.29	69.00 RT	110302.93	500321.00	0.00

2

2

2

N

LEGEND

CS-6	CONCRETE SIDEWALK 6-INCH	XXX	CURB RAMP, TYPE X
CG-18D	CONCRETE CURB AND GUTTER 18-INCH TYPE D		CURB RAMP DETECTABLE WARNING FIELD YELLOW
CG-30D	CONCRETE CURB AND GUTTER 30-INCH TYPE D	//////	SAWING CONCRETE
		XXXXXX	SAWING ASPHALT

AIRPORT RD

RW

CP 35

1350

1241

1245

1239

CS-6

1232

1243

1246

1240

1230

1231

1242

1233

1247

1234

1244

1236

1235

CG-30D

1238

1237

5'

6.3%

USH 45/STH 32/STH 17
N RAILROAD ST

64+00

CG-30D

1212

MATCH EXISTING INLET

1218

1219

1227

CS-6

1221

1217

1226

1220

1216

1225

1214

1228

1224

1213

1229

1215

1223

1351

RW

PLEASURE ISLAND RD

CG-30D

1211

1204

4B1

CS-6

1205

1202

1200

1208

7.0%

1206

1209

1203

1201

MATCH EXISTING INLET

1207

BURRIED GAS MARKER POST

1210

1352

RW

PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	CONSTRUCTION DETAIL - CURB RAMP	SHEET 33	E

FILE NAME : P:\2014\2014.068 - WISDOT NC - USH 45, VILAS\CAD\16011472\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - ****

PLOT DATE : 4/19/2017 7:03 PM PLOT BY : JED MATTMILLER PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 42

2

STATION & OFFSET TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
1200	64+65.62	36.50 RT	111773.09	500056.96	1643.51
1201	64+65.62	41.50 RT	111773.87	500061.90	1643.68
1202	64+35.62	36.50 RT	111743.45	500061.62	1643.16
1203	64+35.62	41.50 RT	111744.23	500066.56	1643.24
1204	64+31.67	34.10 RT	111739.17	500059.86	1642.73
1205	64+29.28	36.13 RT	111737.13	500062.24	1642.71
1206	64+24.72	41.20 RT	111733.41	500067.96	1642.66
1207	64+23.30	43.23 RT	111732.32	500070.18	1642.64
1208	64+23.89	39.00 RT	111732.25	500065.91	1642.70
1209	64+26.50	39.00 RT	111734.83	500065.51	1642.68
1210	64+16.38	54.03 RT	111727.17	500081.93	1642.47
1211	64+39.09	27.35 RT	111745.45	500052.05	1642.90
1212	63+55.14	26.63 RT	111662.41	500064.37	1642.36
1213	63+80.36	49.16 RT	111690.83	500082.71	1642.50
1214	63+75.23	44.39 RT	111685.02	500078.80	1642.34
1215	63+74.82	44.68 RT	111684.66	500079.14	1642.84
1216	63+71.69	40.71 RT	111680.95	500075.71	1642.33
1217	63+68.14	37.18 RT	111676.90	500072.77	1642.30
1218	63+64.48	33.67 RT	111672.74	500069.87	1642.24
1219	63+64.20	34.08 RT	111672.52	500070.33	1642.74
1220	63+57.34	41.42 RT	111666.89	500078.64	1642.84
1221	63+37.22	36.74 RT	111646.28	500077.14	1643.14
1222	63+36.85	41.74 RT	111646.69	500082.14	1643.16
1223	63+64.79	55.42 RT	111676.42	500091.31	1642.89
1224	63+67.59	45.10 RT	111677.58	500080.68	1642.76
1225	63+63.94	41.68 RT	111673.44	500077.88	1642.71
1226	63+70.31	38.53 RT	111679.25	500073.77	1642.32
1227	63+71.67	37.06 RT	111680.37	500072.11	1642.40
1228	63+60.53	45.34 RT	111670.64	500082.02	1642.77
1229	63+64.18	48.75 RT	111674.78	500084.82	1642.82
1230	63+78.60	61.93 LT	111671.84	499973.25	1642.28
1231	63+75.87	57.60 LT	111669.81	499977.95	1642.13
1232	63+78.16	62.17 LT	111671.36	499973.08	1642.78
1233	63+74.32	55.61 LT	111668.59	499980.15	1642.09
1234	63+75.92	54.43 LT	111670.35	499981.07	1642.13
1235	63+72.62	53.71 LT	111667.20	499982.29	1642.05
1236	63+70.83	52.65 LT	111665.60	499983.62	1642.49
1237	63+71.19	52.29 LT	111666.01	499983.92	1641.99
1238	63+63.08	44.23 LT	111659.25	499993.14	1642.10
1239	63+69.84	62.67 LT	111663.07	499973.88	1642.69
1240	63+65.79	59.55 LT	111659.55	499977.59	1642.67
1241	63+72.37	67.08 LT	111664.88	499969.12	1642.79
1242	63+70.07	53.29 LT	111664.75	499983.10	1642.50
1243	63+50.97	58.80 LT	111645.03	499980.62	1642.96
1244	63+51.02	53.72 LT	111645.86	499985.63	1642.85
1245	63+83.54	68.66 LT	111675.67	499965.82	1642.73
1246	63+60.16	58.20 LT	111654.19	499979.79	1642.79
1247	63+63.02	53.23 LT	111657.80	499984.26	1642.63
1350	63+45.18	80.00 LT	111636.01	499960.58	0.00
1351	63+39.97	69.00 RT	111654.01	500108.58	0.00
1352	64+55.12	64.00 RT	111766.98	500085.76	0.00

2

2

N

USH 45/STH 32/STH 17
N RAILROAD ST

82+00

84+00

-0.26%

1160 CG-30D 481

1150 1151 1152 1153 1154 1155 1156 1157 1158 1159 1161

5' 5' CS-6 6.7%

1174

COMMECIAL ENTRANCE

1162 1163 1164 1165 1166 1167 1168 1169 1170 1171 1172 1173 CG-30D 481

7.0% CS-6 5' 5'

CP 37

1175

RW

LEGEND

CS-6	CONCRETE SIDEWALK 6-INCH	XXX	CURB RAMP, TYPE X
CG-18D	CONCRETE CURB AND GUTTER 18-INCH TYPE D		CURB RAMP DETECTABLE WARNING FIELD YELLOW
CG-30D	CONCRETE CURB AND GUTTER 30-INCH TYPE D	//////	SAWING CONCRETE
		XXXXXX	SAWING ASPHALT

PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	CONSTRUCTION DETAIL - CURB RAMP	SHEET 35	E

FILE NAME : P:\2014\2014.068 - WISDOT NC - USH 45, VILAS\CAD\16011472\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - ****

PLOT DATE : 4/19/2017 7:05 PM PLOT BY : JED MATTMILLER PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 42

STATION & OFFSET TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
1150	81+90.52	36.50 RT	113477.09	499836.79	1641.06
1151	81+90.50	41.50 RT	113477.15	499841.78	1641.02
1152	82+10.67	41.50 RT	113497.14	499841.53	1640.77
1153	82+10.67	36.50 RT	113497.09	499836.53	1640.69
1154	82+16.18	35.46 RT	113502.55	499835.44	1640.23
1155	82+16.88	36.15 RT	113503.24	499836.12	1640.24
1156	82+20.93	41.23 RT	113507.31	499841.17	1640.30
1157	82+22.12	43.22 RT	113508.51	499843.15	1640.32
1158	82+19.53	38.97 RT	113505.91	499838.92	1640.28
1159	82+22.03	38.96 RT	113508.38	499838.89	1640.32
1160	82+07.69	27.16 RT	113494.03	499827.22	1640.40
1161	82+28.26	59.39 RT	113514.70	499859.27	1640.56
1162	82+66.08	68.10 RT	113552.04	499867.87	1640.43
1163	82+71.92	38.97 RT	113557.87	499838.75	1640.19
1164	82+74.42	38.98 RT	113560.34	499838.76	1640.17
1165	82+71.60	43.26 RT	113557.54	499843.04	1640.21
1166	82+72.82	41.23 RT	113558.75	499841.01	1640.19
1167	82+76.87	36.15 RT	113562.78	499835.95	1640.16
1168	82+79.02	34.12 RT	113564.93	499833.93	1640.15
1169	82+83.28	36.50 RT	113569.14	499836.33	1640.55
1170	82+83.28	41.50 RT	113569.12	499841.32	1640.63
1171	83+03.43	36.50 RT	113589.14	499836.46	1640.66
1172	83+03.45	41.50 RT	113589.12	499841.46	1640.74
1173	82+86.27	27.16 RT	113572.15	499826.99	1640.15
1174	81+92.83	59.00 RT	113479.70	499859.25	0.00
1175	83+00.92	59.00 RT	113586.46	499858.93	0.00

2

FILE NAME : P:\2014\2014.068 - WISDOT NC - USH 45, VILAS\CAD\16011472\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - ****
PLOT DATE : 4/19/2017 7:06 PM PLOT BY : JED MATTMILLER PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 42

2

LEGEND

CS-6	CONCRETE SIDEWALK 6-INCH
CG-18D	CONCRETE CURB AND GUTTER 18-INCH TYPE D
CG-30D	CONCRETE CURB AND GUTTER 30-INCH TYPE D
XXX	CURB RAMP, TYPE X
	CURB RAMP DETECTABLE WARNING FIELD YELLOW
//////	SAWING CONCRETE
XXXXXX	SAWING ASPHALT

USH 45/STH 32/STH 17
N RAILROAD ST

PT: 93+29.05

94+00

CG-30D
1113
4B1
1114
1115
1122
1120
1118
5'
CS-6
4.0%
1121
1123
1119
1116
1117
1112
CP 39
1126

CG-30D
MATCH EXISTING INLET
1108
1107
1106
1110
4B1
1102
1124
1101
6.5%
1111
CS-6
5'
5'
1105
1104
1103
1125
1100
1109

BUSINESS SIGN
1127

COMMERCIAL ENTRANCE

RW

PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	CONSTRUCTION DETAIL - CURB RAMP	SHEET 37	E

FILE NAME : P:\2014\2014.068 - WISDOT NC - USH 45, VILAS\CAD\16011472\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - ****

PLOT DATE : 4/19/2017 7:07 PM PLOT BY : JED MATTMILLER PLOT NAME : PLOT SCALE : 1 IN:20 FT

STATION & OFFSET TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
1100	94+31.91	41.50 RT	114596.53	500187.91	1645.83
1101	94+31.91	36.50 RT	114599.82	500184.15	1645.72
1102	94+06.91	36.50 RT	114580.98	500167.71	1645.11
1103	94+06.91	41.50 RT	114577.69	500171.48	1645.18
1104	93+95.36	43.26 RT	114567.83	500165.21	1644.77
1105	93+96.55	41.23 RT	114570.06	500164.47	1644.75
1106	94+00.55	36.15 RT	114576.41	500163.27	1644.68
1107	94+02.67	34.13 RT	114579.34	500163.14	1644.65
1108	94+09.85	27.15 RT	114589.34	500162.60	1644.85
1109	93+90.11	51.79 RT	114558.27	500168.20	1644.90
1110	93+98.11	39.00 RT	114572.70	500163.81	1644.72
1111	93+95.64	39.00 RT	114570.84	500162.19	1644.77
1112	93+56.61	51.79 RT	114533.02	500146.18	1644.44
1113	93+36.86	27.14 RT	114534.34	500114.62	1644.14
1114	93+44.04	34.12 RT	114535.16	500124.60	1644.18
1115	93+46.17	36.15 RT	114535.43	500127.53	1644.21
1116	93+50.17	41.23 RT	114535.11	500133.98	1644.28
1117	93+51.37	43.26 RT	114534.67	500136.30	1644.32
1118	93+39.81	36.50 RT	114530.41	500123.61	1644.49
1119	93+39.81	41.50 RT	114527.13	500127.38	1644.57
1120	93+19.51	36.50 RT	114515.31	500110.49	1644.23
1121	93+51.08	39.00 RT	114537.26	500132.90	1644.30
1122	93+48.61	39.00 RT	114535.40	500131.28	1644.25
1123	93+19.47	41.50 RT	114512.03	500114.26	1644.33
1124	94+11.91	36.50 RT	114584.75	500171.00	1645.19
1125	94+11.91	41.50 RT	114581.46	500174.77	1645.26
1126	93+22.00	58.98 RT	114502.47	500129.10	0.00
1127	94+24.36	59.00 RT	114579.34	500196.14	0.00

FILE NAME : P:\2014\2014.068 - WISDOT NC - USH 45, VILAS\CAD\16011472\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - ****
PLOT DATE : 4/19/2017 7:08 PM PLOT BY : JED MATTMILLER PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 42

2

LEGEND

CS-6	CONCRETE SIDEWALK 6-INCH	XXX	CURB RAMP, TYPE X
CG-18D	CONCRETE CURB AND GUTTER 18-INCH TYPE D		CURB RAMP DETECTABLE WARNING FIELD YELLOW
CG-30D	CONCRETE CURB AND GUTTER 30-INCH TYPE D	//////	SAWING CONCRETE
		XXXXXX	SAWING ASPHALT

TRAFFIC SIGNAL CONTROLLER
MATCH EXISTING MANHOLE
CTH G
SLOTTED DRAIN
104+00
USH 45/STH 32/STH 17
N RAILROAD ST
BURRIED GAS MARKER POST
RW
PLEASURE ISLAND RD
CP 40
GUY POLE

PROJECT NO:1601-14-72	HWY: USH 45	COUNTY: VILAS	CONSTRUCTION DETAIL - CURB RAMP	SHEET 39 E

FILE NAME : P:\2014\2014.068 - WISDOT NC - USH 45, VILAS\CAD\16011472\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - ****
PLOT DATE : 4/19/2017 7:09 PM PLOT BY : JED MATTMILLER PLOT NAME : PLOT SCALE : 1 IN:20 FT

2

STATION & OFFSET TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
1020	105+13.49	41.50 RT	115411.65	500898.83	1656.00
1021	105+13.44	36.50 RT	115414.90	500895.03	1655.98
1022	104+86.07	36.50 RT	115394.27	500877.04	1655.18
1023	104+86.07	41.50 RT	115390.99	500880.81	1655.25
1024	104+72.18	43.15 RT	115379.44	500872.92	1654.65
1025	104+74.29	41.13 RT	115382.35	500872.78	1654.72
1026	104+80.67	36.09 RT	115390.47	500873.18	1654.87
1027	104+83.84	34.07 RT	115394.19	500873.74	1654.90
1028	104+73.68	38.99 RT	115383.30	500870.77	1654.83
1029	104+76.77	38.99 RT	115385.63	500872.80	1654.80
1030	104+92.04	27.91 RT	115404.42	500874.49	1655.13
1031	104+63.84	50.11 RT	115368.58	500872.68	1654.47
1032	104+41.92	59.73 LT	115424.25	500775.49	1654.50
1033	104+53.87	46.95 LT	115424.86	500792.98	1654.68
1034	104+70.15	40.49 LT	115432.88	500808.55	1654.91
1035	104+61.90	45.42 LT	115429.90	500799.42	1655.24
1036	104+61.62	44.99 LT	115429.41	500799.55	1654.74
1037	104+57.39	47.68 LT	115427.99	500794.75	1654.72
1038	104+53.26	50.49 LT	115426.72	500789.91	1654.65
1039	104+49.51	53.87 LT	115426.11	500784.90	1655.17
1040	104+49.22	53.44 LT	115425.62	500785.03	1654.67
1041	104+55.00	48.60 LT	115426.79	500792.48	1654.64
1042	104+56.36	55.04 LT	115432.04	500788.52	1655.06
1043	104+60.49	52.22 LT	115433.31	500793.36	1655.06
1044	104+59.17	59.17 LT	115436.88	500787.26	1655.14
1045	104+63.31	56.35 LT	115438.15	500792.10	1655.14
1046	103+43.93	27.20 RT	115293.26	500776.60	1654.21
1047	103+65.23	48.76 RT	115295.15	500806.85	1654.42
1048	103+49.39	32.42 RT	115293.94	500784.12	1654.23
1049	103+49.11	32.84 RT	115293.46	500784.25	1654.73
1050	103+53.10	35.92 RT	115294.45	500789.20	1654.32
1051	103+56.62	39.48 RT	115294.76	500794.19	1654.36
1052	103+59.65	43.51 RT	115294.39	500799.23	1654.82
1053	103+60.07	43.23 RT	115294.89	500799.29	1654.32
1054	103+48.84	40.14 RT	115288.46	500789.58	1654.73
1055	103+52.35	43.69 RT	115288.77	500794.57	1654.78
1056	103+41.80	40.07 RT	115283.20	500784.89	1654.80
1057	103+48.61	54.42 RT	115278.90	500800.19	1654.85
1058	103+28.25	41.50 RT	115272.05	500777.07	1654.71
1059	103+28.25	36.50 RT	115275.33	500773.30	1654.60
1060	103+50.44	69.62 LT	115361.81	500707.91	1653.28
1061	103+25.06	46.10 LT	115327.22	500708.95	1653.49
1062	103+31.95	53.09 LT	115337.01	500708.22	1653.93
1063	103+32.24	52.68 LT	115336.96	500708.71	1653.43
1064	103+35.92	56.17 LT	115342.02	500708.50	1653.48
1065	103+39.58	59.57 LT	115347.02	500708.35	1653.45
1066	103+42.95	63.29 LT	115352.00	500707.76	1653.87
1067	103+43.34	62.97 LT	115352.08	500708.26	1653.37
1068	103+35.50	63.97 LT	115346.84	500702.35	1653.84
1069	103+31.84	60.57 LT	115341.84	500702.50	1653.84
1070	103+32.45	67.27 LT	115346.70	500697.86	1653.91
1071	103+28.78	63.87 LT	115341.70	500698.01	1653.91
1072	103+56.70	35.88 RT	115297.18	500791.54	1654.34
1073	103+39.49	56.00 LT	115344.60	500710.98	1653.47
1074	103+38.13	57.46 LT	115344.54	500708.98	1653.46
1075	103+55.28	37.29 RT	115295.18	500791.66	1654.32
1076	104+55.04	61.98 LT	115435.62	500782.42	1655.22
1077	104+67.44	53.53 LT	115439.41	500796.94	1655.24
1078	103+36.11	70.67 LT	115351.70	500697.70	1653.92
1079	103+25.11	60.47 LT	115336.71	500698.16	1653.98
1080	103+44.25	48.18 RT	115279.71	500792.63	1654.90
1081	103+58.56	41.08 RT	115295.16	500796.67	1654.34
1083	103+71.14	64.36 LT	115373.95	500725.49	1653.82
1084	103+70.17	64.59 LT	115373.37	500724.67	1653.80
1085	103+76.63	44.11 LT	115364.78	500744.35	1654.22
1086	103+76.88	43.13 LT	115364.32	500745.25	1654.20
1087	103+28.25	64.00 RT	115257.26	500794.03	0.00
1090	105+13.35	84.00 RT	115383.61	500930.77	0.00
1091	104+76.40	80.00 LT	115463.56	500782.88	0.00
1092	102+98.70	100.00 LT	115342.78	500651.01	0.00
1248	103+67.61	51.95 LT	115363.13	500732.52	1653.94
1249	103+73.03	50.40 LT	115366.20	500737.24	1654.03
1250	103+66.24	47.14 LT	115358.94	500735.24	1654.00
1251	103+69.78	46.13 LT	115360.94	500738.32	1654.04
1253	103+69.44	44.00 LT	115359.28	500739.71	1654.09
1256	103+74.54	44.00 LT	115363.13	500743.06	1654.17
1258	103+74.74	45.43 LT	115364.22	500742.11	1654.10
1260	103+77.85	45.28 LT	115366.47	500744.27	1654.19
1261	103+77.33	50.53 LT	115369.52	500739.97	1654.11
1263	103+78.72	47.98 LT	115368.90	500742.81	1654.16
1264	103+77.71	47.97 LT	115368.13	500742.15	1654.15
1265	103+71.68	43.00 LT	115360.32	500741.93	1654.11
1266	103+71.89	44.00 LT	115361.13	500741.32	1654.13
1267	103+65.97	49.81 LT	115360.49	500733.04	1653.95
1268	103+66.93	49.54 LT	115361.04	500733.88	1653.97
1269	103+73.43	67.41 LT	115377.69	500724.69	1653.84
1270	103+73.37	66.42 LT	115376.98	500725.40	1653.89
1275	104+39.64	27.00 RT	115365.53	500839.36	1654.90
1276	104+39.44	28.00 RT	115364.71	500839.98	1654.87
1277	104+43.77	38.63 RT	115361.00	500850.84	1654.55
1278	104+42.73	38.61 RT	115360.22	500850.14	1654.55
1279	104+32.24	38.50 RT	115352.39	500843.16	1654.74
1280	104+33.24	38.51 RT	115353.14	500843.83	1654.71
1281	104+33.24	41.10 RT	115351.43	500845.78	1654.67
1282	104+38.37	55.19 RT	115346.04	500859.77	1654.51
1283	104+33.24	36.03 RT	115354.77	500841.96	1654.74
1285	104+43.49	36.27 RT	115362.33	500848.88	1654.56
1286	104+37.56	41.06 RT	115354.72	500848.59	1654.58
1287	104+37.42	54.88 RT	115345.53	500858.91	1654.52
1288	104+41.86	41.25 RT	115357.83	500851.56	1654.54
1289	104+41.89	28.00 RT	115366.56	500841.59	1654.83
1291	104+36.78	28.00 RT	115362.71	500838.23	1654.84
1292	104+40.33	36.09 RT	115360.07	500846.66	1654.59
1293	104+33.12	27.88 RT	115360.03	500835.73	1654.83
1294	104+33.83	28.59 RT	115360.10	500836.73	1654.81
1295	104+34.77	58.08 RT	115341.42	500859.58	1654.48
1296	104+34.93	57.10 RT	115342.19	500858.94	1654.49
1297	104+35.23	36.03 RT	115356.27	500843.27	1654.70
1298	104+45.86	28.24 RT	115369.40	500844.38	1654.75
1299	104+45.05	28.83 RT	115368.40	500844.29	1654.75
1348	104+33.24	55.12 RT	115342.22	500856.34	1654.52
1349	104+32.24	55.12 RT	115341.46	500855.69	1654.54

2

2

N

RW

USH 45/STH 32/STH 17
N RAILROAD ST

124+00

RECONSTRUCTING INLETS
STA 123+69, 31.35, RT
FL EL = 1656.92

1009
1007
1006
1011
1010
1005
1004
1003
1002
1000
1001
1008
4B1
4.3%
5'
5'
CS-6
CG-30D

1012

RW

MCKINLEY BLVD

CP 42

RW

RETAINING WALL WITH SIGN

BURRIED GAS MARKER

LEGEND

CS-6	CONCRETE SIDEWALK 6-INCH	XXX	CURB RAMP, TYPE X
CG-18D	CONCRETE CURB AND GUTTER 18-INCH TYPE D		CURB RAMP DETECTABLE WARNING FIELD YELLOW
CG-30D	CONCRETE CURB AND GUTTER 30-INCH TYPE D	//////	SAWING CONCRETE
		XXXXXX	SAWING ASPHALT

STATION & OFFSET TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
1001	123+45.50	41.35 RT	116778.77	502111.18	1658.06
1000	123+45.70	36.46 RT	116782.48	502108.00	1657.94
1012	123+48.32	64.00 RT	116764.07	502128.64	0.00
1009	123+64.67	27.38 RT	116801.89	502115.60	1657.21
1003	123+68.18	41.50 RT	116793.83	502127.71	1657.67
1002	123+68.18	36.50 RT	116797.52	502124.33	1657.60
1007	123+72.18	34.11 RT	116801.95	502125.63	1157.09
1006	123+74.61	36.13 RT	116802.07	502128.77	1157.16
1011	123+77.45	38.99 RT	116801.85	502132.76	1157.25
1005	123+79.28	41.20 RT	116801.43	502135.59	1157.26
1010	123+80.10	38.98 RT	116803.61	502134.69	1657.35
1004	123+80.74	43.22 RT	116800.89	502138.01	1157.27
1008	123+86.98	51.16 RT	116799.13	502147.88	1657.43

PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	CONSTRUCTION DETAIL - CURB RAMP	SHEET 41	E

FILE NAME : P:\2014\2014.068 - WISDOT NC - USH 45, VILAS\CAD\16011472\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - ****
PLOT DATE : 4/19/2017 7:11 PM PLOT BY : JED MATTMILLER PLOT NAME : PLOT SCALE : 1 IN:20 FT

2

2

LEGEND

TOPSOIL, SEED, FERTILIZER, AND EROSION MAT URBAN CLASS I, TYPE A

SURFACE WATER FLOW

INLET PROTECTION

CHARTER COMMUNICATIONS
COMMUNICATION

FRONTIER COMMUNICATIONS
COMMUNICATION

EAGLE RIVER LIGHT AND WATER
SANITARY SEWER

EAGLE RIVER LIGHT AND WATER
ELECTRIC

EAGLE RIVER LIGHT AND WATER
WATER

EAGLE RIVER LIGHT AND WATER
ELECTRIC

EAGLE RIVER LIGHT AND WATER
ELECTRIC

RECONSTRUCTING INLETS
STA 22+25, 24.21, RT

EAGLE RIVER LIGHT AND WATER
ELECTRIC

WILLOW ST

USH 45/STH 32/STH 17
BRIDGE ST

R/W

R/W

R/W

PT: 22+32.95

PC: 22+32.95

22+00

20+00

PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	EROSION CONTROL	SHEET 42	E

FILE NAME : P:\2014\2014.068 - WISDOT NC - USH 45, VILAS\CAD\16011472\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - ****

PLOT DATE : 4/19/2017 6:56 PM PLOT BY : CHAD D. GRUNDEMANN PLOT NAME :

PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 42

2

2

R/W

N

W DIVISION ST

EAGLE RIVER LIGHT AND WATER
SANITARY SEWER

EAGLE RIVER LIGHT AND WATER
WATER

R/W

FRONTIER COMMUNICATIONS
COMMUNICATION

EAGLE RIVER LIGHT AND POWER
ELECTRIC

xxxx xxxx xxxx xxxx xxxx

PC: 28+32.81

USH 45/STH 32/STH 17
BRIDGE ST

MH

30+00

RECONSTRUCTING INLETS
STA 31+05, 2.70, RT

RW

E DIVISION ST

CP 26

LEGEND

TOPSOIL, SEED, FERTILIZER, AND EROSION MAT URBAN CLASS I, TYPE A

SURFACE WATER FLOW

INLET PROTECTION

PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	EROSION CONTROL	SHEET 43	E

FILE NAME : P:\2014\2014.068 - WISDOT NC - USH 45, VILAS\CAD\16011472\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - ****

PLOT DATE : 4/19/2017 6:56 PM PLOT BY : CHAD D. GRUNDEMANN PLOT NAME : PLOT SCALE : 1 IN:20 FT

2

2

W RIVERVIEW DR

N

RECONSTRUCTING INLETS
STA 33+35, 19.25, LT

PT; 33+17.12

32+00

34+00

RECONSTRUCTING INLETS
STA 34+90, 5.23, LT

EAGLE RIVER LIGHT AND POWER
ELECTRIC

FRONTIER COMMUNICATIONS
COMMUNICATION

MH

CP 27

EAGLE RIVER LIGHT AND POWER
ELECTRIC

MATCH LINE STA 35+00

EAGLE RIVER LIGHT AND ELECTRIC
WATER

R/W

E SPRUCE ST

R/W

LEGEND

TOPSOIL, SEED, FERTILIZER, AND EROSION MAT URBAN CLASS I, TYPE A

SURFACE WATER FLOW

INLET PROTECTION

PROJECT NO:1601-14-72	HWY: USH 45	COUNTY: VILAS	EROSION CONTROL	SHEET 44	E

FILE NAME : P:\2014\2014.068 - WISDOT NC - USH 45, VILAS\CAD\16011472\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - ****

PLOT DATE : 4/19/2017 6:57 PM PLOT BY : CHAD D. GRUNDEMANN PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 42

2

N

USH 45/STH 32/STH 17
BRIDGE ST

MATCH LINE STA 35+00

MATCH LINE STA 38+00

RECONSTRUCTING INLETS
STA 36+00, 25.29, RT

EAGLE RIVER LIGHT AND ELECTRIC WATER

B-63-15

LANDSCAPING

N RAILROAD ST

R/W

LEGEND

TOPSOIL, SEED, FERTILIZER, AND EROSION MAT URBAN CLASS I, TYPE A

SURFACE WATER FLOW

INLET PROTECTION

PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	EROSION CONTROL	SHEET 45	E

FILE NAME : P:\2014\2014.068 - WISDOT NC - USH 45, VILAS\CAD\16011472\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - ****

PLOT DATE : 4/19/2017 6:58 PM PLOT BY : CHAD D. GRUNDEMANN PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 42

2

2

RIPRAP

N

USH 45/STH 32/STH 17
BRIDGE ST

MATCH LINE STA 38+00

00

40+00

B-63-15

EAGLE RIVER

RIPRAP

LEGEND

TOPSOIL, SEED, FERTILIZER, AND EROSION MAT URBAN CLASS I, TYPE A

SURFACE WATER FLOW

INLET PROTECTION

TURBIDITY BARRIER

PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	EROSION CONTROL	SHEET 46	E

FILE NAME : P:\2014\2014.068 - WISDOT NC - USH 45, VILAS\CAD\16011472\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - ****

PLOT DATE : 4/19/2017 6:58 PM PLOT BY : CHAD D. GRUNDEMANN PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 42

2

RW

N

W ILLINOIS ST

WISCONSIN PUBLIC SERVICE
GAS

EAGLE RIVER LIGHT AND ELECTRIC
WATER

MH

N MICHIGAN ST

RW

CP 28

EAGLE RIVER LIGHT AND POWER
ELECTRIC

USH 45/STH 32/STH 17
N RAILROAD ST

46+00

48+00

LEGEND

TOPSOIL, SEED, FERTILIZER, AND EROSION MAT URBAN CLASS I, TYPE A

SURFACE WATER FLOW

INLET PROTECTION

PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	EROSION CONTROL	SHEET 47	E

FILE NAME : P:\2014\2014.068 - WISDOT NC - USH 45, VILAS\CAD\16011472\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - ****

PLOT DATE : 4/19/2017 6:59 PM PLOT BY : CHAD D. GRUNDEMANN PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 42

2

2

N

RECONSTRUCTING INLETS
STA 52+45, 39.51, LT

CP 29

PT: 51+89.85

USH 45/STH 32/STH 17
N RAILROAD ST

52+00

54+00

RECONSTRUCTING INLETS
STA 52+95, 25.50, RT

LEGEND

TOPSOIL, SEED, FERTILIZER, AND EROSION MAT URBAN CLASS I, TYPE A

SURFACE WATER FLOW

INLET PROTECTION

PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	EROSION CONTROL	SHEET 48	E

2

2

CP 30

N

LANDSCAPING

TRAFFIC SIGNAL CONTROLLER

W MILL ST

RW

RECONSTRUCTING INLETS
STA 56+50, 40.45, LT

PC: 57+04.29

EAGLE RIVER LIGHT AND WATER
WATER

EAGLE RIVER LIGHT AND WATER
ELECTRIC

PT: 59+03.57

58+00

USH 45/STH 32/STH 17
N RAILROAD ST

MATCH LINE STA 59+50

RECONSTRUCTING INLETS
STA 56+50, 23.65, RT

EAGLE RIVER LIGHT AND POWER
ELECTRIC

WISCONSIN PUBLIC SERVICE
GAS

E MCKINLEY

RW

RW

EAGLE RIVER LIGHT AND POWER
ELECTRIC

LEGEND

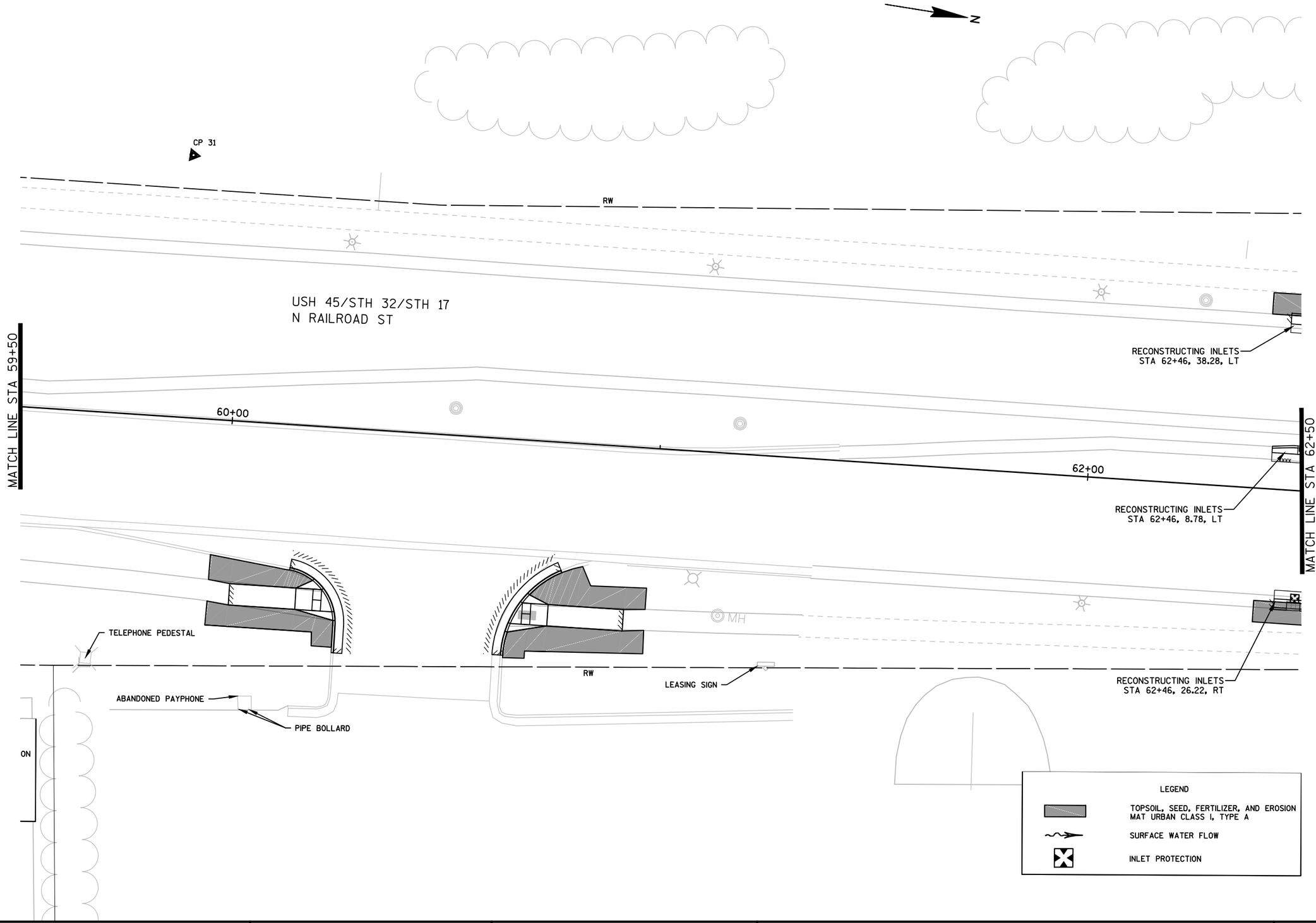
TOPSOIL, SEED, FERTILIZER, AND EROSI MAT URBAN CLASS I, TYPE A

SURFACE WATER FLOW

INLET PROTECTION

PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	EROSION CONTROL	SHEET 49	E

2



PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	EROSION CONTROL	SHEET 50	E

2

N

WISCONSIN PUBLIC SERVICE GAS

JACK FROST ST

EAGLE RIVER LIGHT AND WATER WATER

BUSINESS SIGN

RW

CP 32

23293
1641.33
WAT S

EAGLE RIVER LIGHT AND WATER ELECTRIC

USH 45/STH 32/STH 17
N RAILROAD ST

MATCH LINE STA 62+50

PC: 62+94.07

64+00

EQUATION

PT: 44+92.69

STA BACK = 64+92.32
STA AHEAD = 44+92.69

RW

R/W POST

WOOD POST

LEGEND

TOPSOIL, SEED, FERTILIZER, AND EROSION MAT URBAN CLASS I, TYPE A

SURFACE WATER FLOW

INLET PROTECTION

PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	EROSION CONTROL	SHEET 51	E

FILE NAME : P:\2014\2014.068 - WISDOT NC - USH 45, VILAS\CAD\16011472\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - ****

PLOT DATE : 4/19/2017 7:02 PM PLOT BY : CHAD D. GRUNDEMANN PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 42

2

2

N

RW

CP 33

RECONSTRUCTING INLETS
STA 46+50, 40.25, LT

EAGLE RIVER LIGHT AND WATER
ELECTRIC

RECONSTRUCTING INLETS
STA 47+50, 40.27, LT

EAGLE RIVER LIGHT AND WATER
WATER

USH 45/STH 32/STH 17
N RAILROAD ST

46+00

48+00

EAGLE RIVER LIGHT AND WATER
ELECTRIC

WISCONSIN PUBLIC SERVICE
GAS

WOOD POST

RW

RECONSTRUCTING INLETS
STA 47+50, 25.73, RT

LEGEND

TOPSOIL, SEED, FERTILIZER, AND EROSION MAT URBAN CLASS I, TYPE A

SURFACE WATER FLOW

INLET PROTECTION

PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	EROSION CONTROL	SHEET 52	E

2

N

EAGLE RIVER LIGHT AND WATER WATER

CP 34

TRAFFIC SIGNAL CONTROLLER

RW

EAGLE RIVER LIGHT AND WATER ELECTRIC

ELECTRIC TRANSFORMER

N BLUEBIRD RD

RW

EAGLE RIVER LIGHT AND WATER ELECTRIC

USH 45/STH 32/STH 17
N RAILROAD ST

SLOTTED DRAIN

50+00

52+00

RW

WISCONSIN PUBLIC SERVICE GAS

FIBER OPTIC MARKER

EDGE OF LANDSCAPING

BUSINESS SIGN

RETAINING WALL

E HOSPITAL RD

EDGE OF LANDSCAPING

EAGLE RIVER LIGHT AND WATER WATER

EAGLE RIVER LIGHT AND WATER ELECTRIC

FIBER OPTIC ACCESS COVER

BURRIED GAS MARKER POST

RETAINING WALL

BUSINESS SIGN

RW

SIGN GROUND LIGHT

LEGEND

TOPSOIL, SEED, FERTILIZER, AND EROSION MAT URBAN CLASS I, TYPE A

SURFACE WATER FLOW

INLET PROTECTION

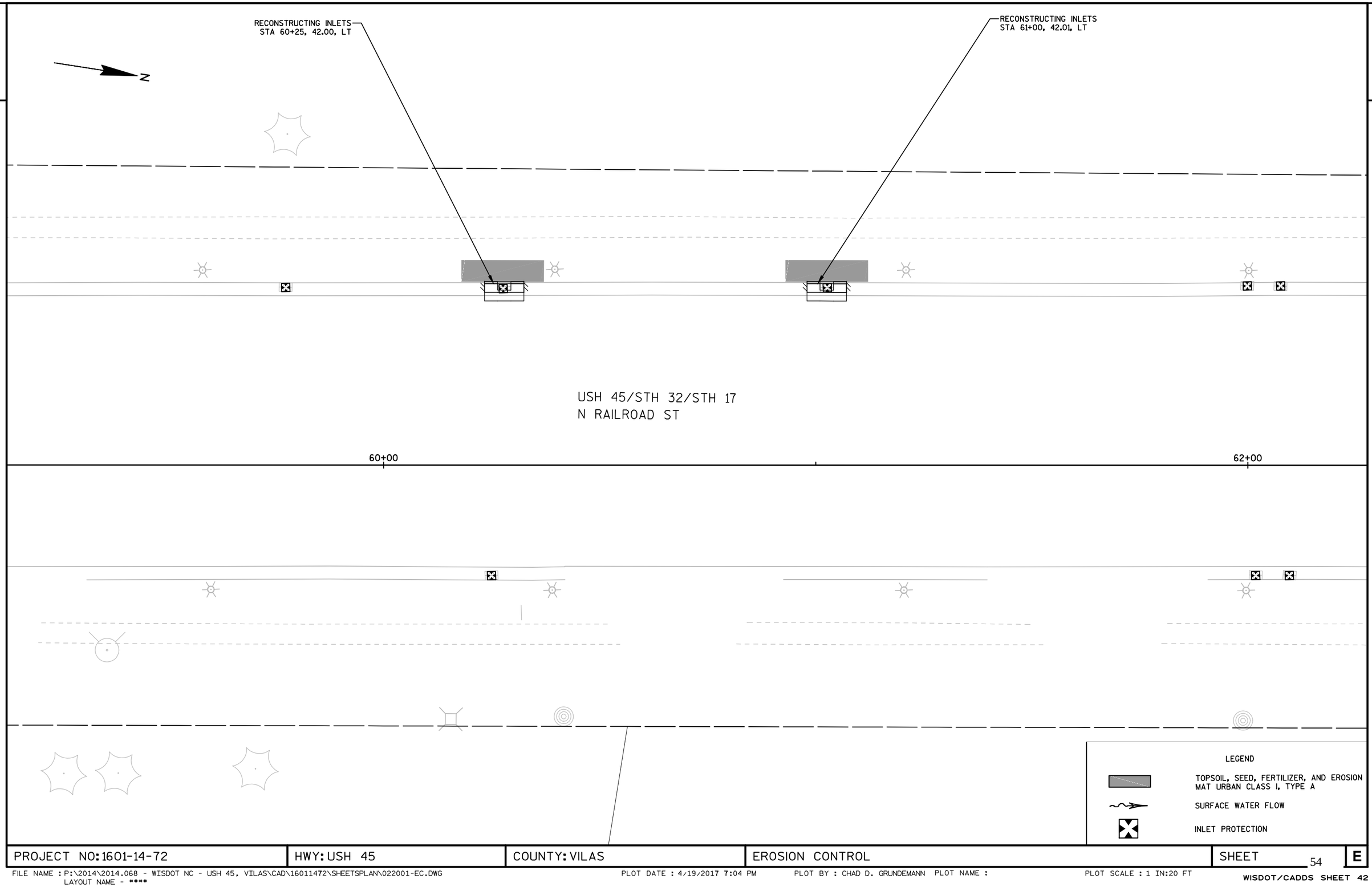
PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	EROSION CONTROL	SHEET 53	E

FILE NAME : P:\2014\2014.068 - WISDOT NC - USH 45, VILAS\CAD\16011472\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - ****

PLOT DATE : 4/19/2017 7:03 PM PLOT BY : CHAD D. GRUNDEMANN PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 42

2



2

PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	EROSION CONTROL	SHEET 54	E

FILE NAME : P:\2014\2014.068 - WISDOT NC - USH 45, VILAS\CAD\16011472\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - ****

PLOT DATE : 4/19/2017 7:04 PM PLOT BY : CHAD D. GRUNDEMANN PLOT NAME : PLOT SCALE : 1 IN:20 FT

2

2

N

FIBER OPTIC MARKER

EAGLE RIVER LIGHT AND WATER
ELECTRIC

AIRPORT RD

RW

CP 35

EAGLE RIVER LIGHT AND WATER
WATER

EAGLE RIVER LIGHT AND WATER
ELECTRIC

WISCONSIN PUBLIC SERVICE
GAS

USH 45/STH 32/STH 17
N RAILROAD ST

64+00

EAGLE RIVER LIGHT AND WATER
ELECTRIC

EAGLE RIVER LIGHT AND WATER
ELECTRIC

EAGLE RIVER LIGHT AND WATER
WATER

BURRIED GAS MARKER POST

TELEPHONE PEDESTAL

FIBER OPTIC MARKER

BURRIED GAS MARKER POST

PLEASURE ISLAND RD

RW

RW

LEGEND

TOPSOIL, SEED, FERTILIZER, AND EROSION MAT URBAN CLASS I, TYPE A

SURFACE WATER FLOW

INLET PROTECTION

PROJECT NO:1601-14-72	HWY: USH 45	COUNTY: VILAS	EROSION CONTROL	SHEET 55	E

FILE NAME : P:\2014\2014.068 - WISDOT NC - USH 45, VILAS\CAD\16011472\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - ****

PLOT DATE : 4/19/2017 7:04 PM PLOT BY : CHAD D. GRUNDEMANN PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 42

2

2

N

RECONSTRUCTING INLETS
INLET COVERS TYPE H
STA 70+25, 42.17, LT

USH 45/STH 32/STH 17
N RAILROAD ST

70+00

72

LEGEND

TOPSOIL, SEED, FERTILIZER, AND EROSION MAT URBAN CLASS I, TYPE A

SURFACE WATER FLOW

INLET PROTECTION

PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	EROSION CONTROL	SHEET 56	E

2

2

RECONSTRUCTING INLETS
INLET COVERS TYPE H
STA 78+75, 42.36, LT

N

USH 45/STH 32/STH 17
N RAILROAD ST

78+00

80+00

LEGEND

TOPSOIL, SEED, FERTILIZER, AND EROSION MAT URBAN CLASS I, TYPE A

SURFACE WATER FLOW

INLET PROTECTION

PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	EROSION CONTROL	SHEET 57	E

FILE NAME : P:\2014\2014.068 - WISDOT NC - USH 45, VILAS\CAD\16011472\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - ****

PLOT DATE : 4/19/2017 7:06 PM PLOT BY : CHAD D. GRUNDEMANN PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 42

2

N

USH 45/STH 32/STH 17
N RAILROAD ST

82+00

84+00

EAGLE RIVER LIGHT AND WATER
WATER

COMMERCIAL ENTRANCE

EAGLE RIVER LIGHT AND WATER
ELECTRIC

CP 37

WISCONSIN PUBLIC SERVICE
GAS

RW

LEGEND

TOPSOIL, SEED, FERTILIZER, AND EROSION MAT URBAN CLASS I, TYPE A

SURFACE WATER FLOW

INLET PROTECTION

PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	EROSION CONTROL	SHEET 58	E

FILE NAME : P:\2014\2014.068 - WISDOT NC - USH 45, VILAS\CAD\16011472\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - ****

PLOT DATE : 4/19/2017 7:06 PM PLOT BY : CHAD D. GRUNDEMANN PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 42

2

2

N

USH 45/STH 32/STH 17
N RAILROAD ST

86+00

88+00

RECONSTRUCTING INLETS
STA 85+75, 25.45, RT

CP 38

RECONSTRUCTING INLETS
STA 88+50, 25.31, RT

LEGEND

TOPSOIL, SEED, FERTILIZER, AND EROSION MAT URBAN CLASS I, TYPE A

SURFACE WATER FLOW

INLET PROTECTION

PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	EROSION CONTROL	SHEET 59	E

FILE NAME : P:\2014\2014.068 - WISDOT NC - USH 45, VILAS\CAD\16011472\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - ****

PLOT DATE : 4/19/2017 7:07 PM PLOT BY : CHAD D. GRUNDEMANN PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 42

2

2

N

USH 45/STH 32/STH 17
N RAILROAD ST

90+00

92+00

RECONSTRUCTING INLETS
STA 89+75, 25.25, RT

RECONSTRUCTING INLETS
STA 90+00, 25.24, RT

RECONSTRUCTING INLETS
STA 91+25, 25.20, RT

EROSION

LEGEND

TOPSOIL, SEED, FERTILIZER, AND EROSION MAT URBAN CLASS I, TYPE A

SURFACE WATER FLOW

INLET PROTECTION

PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	EROSION CONTROL	SHEET 60	E

FILE NAME : P:\2014\2014.068 - WISDOT NC - USH 45, VILAS\CAD\16011472\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - ****

PLOT DATE : 4/19/2017 7:08 PM PLOT BY : CHAD D. GRUNDEMANN PLOT NAME :

PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 42

2

2

N

WISCONSIN PUBLIC SERVICE
ELECTRIC

PT: 93+29.05

USH 45/STH 32/STH 17
N RAILROAD ST

94+00

OH

COMMERCIAL ENTRANCE N

EAGLE RIVER LIGHT AND WATER
ELECTRIC

E

CP 39

G

WISCONSIN PUBLIC SERVICE
GAS

BUSINESS SIGN

RW

W

EAGLE RIVER LIGHT AND WATER
WATER

AND EROSION
A

LEGEND

TOPSOIL, SEED, FERTILIZER, AND EROSION MAT URBAN CLASS I, TYPE A

SURFACE WATER FLOW

INLET PROTECTION

PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	EROSION CONTROL	SHEET 61	E

2

2

N

USH 45/STH 32/STH 17
N RAILROAD ST

98+00

RECONSTRUCTING INLETS
STA 96+50, 25.06, RT

RECONSTRUCTING INLETS
STA 99+00, 24.98, RT

LEGEND

TOPSOIL, SEED, FERTILIZER, AND EROSION MAT URBAN CLASS I, TYPE A

SURFACE WATER FLOW

INLET PROTECTION

PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	EROSION CONTROL	SHEET 62	E

2

FIBER OPTIC ACCESS COVER

TRAFFIC SIGNAL CONTROLLER

EAGLE RIVER LIGHT AND WATER ELECTRIC

CTH G

WISCONSIN PUBLIC SERVICE ELECTRIC

FIBER OPTIC ACCESS COVER

EAGLE RIVER LIGHT AND WATER WATER

WISCONSIN PUBLIC SERVICE GAS

USH 45/STH 32/STH 17
N RAILROAD ST

SLOTTED DRAIN

104+00

EAGLE RIVER LIGHT AND WATER ELECTRIC

BURRIED GAS MARKER POST

WISCONSIN PUBLIC SERVICE GAS

BURRIED GAS MARKER POST

RW

SLOTTED DRAIN

PLEASURE ISLAND RD

BURRIED GAS MARKER POST

CP 40

RW

EAGLE RIVER LIGHT AND WATER ELECTRIC

GUY POLE

LEGEND

TOPSOIL, SEED, FERTILIZER, AND EROSION MAT URBAN CLASS I, TYPE A

SURFACE WATER FLOW

INLET PROTECTION

PROJECT NO:1601-14-72	HWY: USH 45	COUNTY: VILAS	EROSION CONTROL	SHEET 63	E

FILE NAME : P:\2014\2014.068 - WISDOT NC - USH 45, VILAS\CAD\16011472\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - ****

PLOT DATE : 4/19/2017 7:10 PM PLOT BY : CHAD D. GRUNDEMANN PLOT NAME : PLOT SCALE : 1 IN:20 FT

2

N

RECONSTRUCTING INLETS
STA 112+74,
41.07, LT

USH 45/STH 32/STH 17
N RAILROAD ST

112+00

114+00

RECONSTRUCTING INLETS
STA 112+85, 24.59, RT

LEGEND

TOPSOIL, SEED, FERTILIZER, AND EROSION MAT URBAN CLASS I, TYPE A

SURFACE WATER FLOW

INLET PROTECTION

PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	EROSION CONTROL	SHEET 64	E

2

2

RW

USH 45/STH 32/STH 17
N RAILROAD ST

124+00

RECONSTRUCTING INLETS
STA 123+75, 33.36, RT

EAGLE RIVER LIGHT AND WATER
ELECTRIC

CP 42

MCKINLEY BLVD

RW

RETAINING WALL WITH SIGN

RW

FRONTIER COMMUNICATIONS
COMMUNICATION

WISCONSIN PUBLIC SERVICE
GAS

BURRIED GAS MARKER POST

LEGEND

TOPSOIL, SEED, FERTILIZER, AND EROSION MAT URBAN CLASS I, TYPE A

SURFACE WATER FLOW

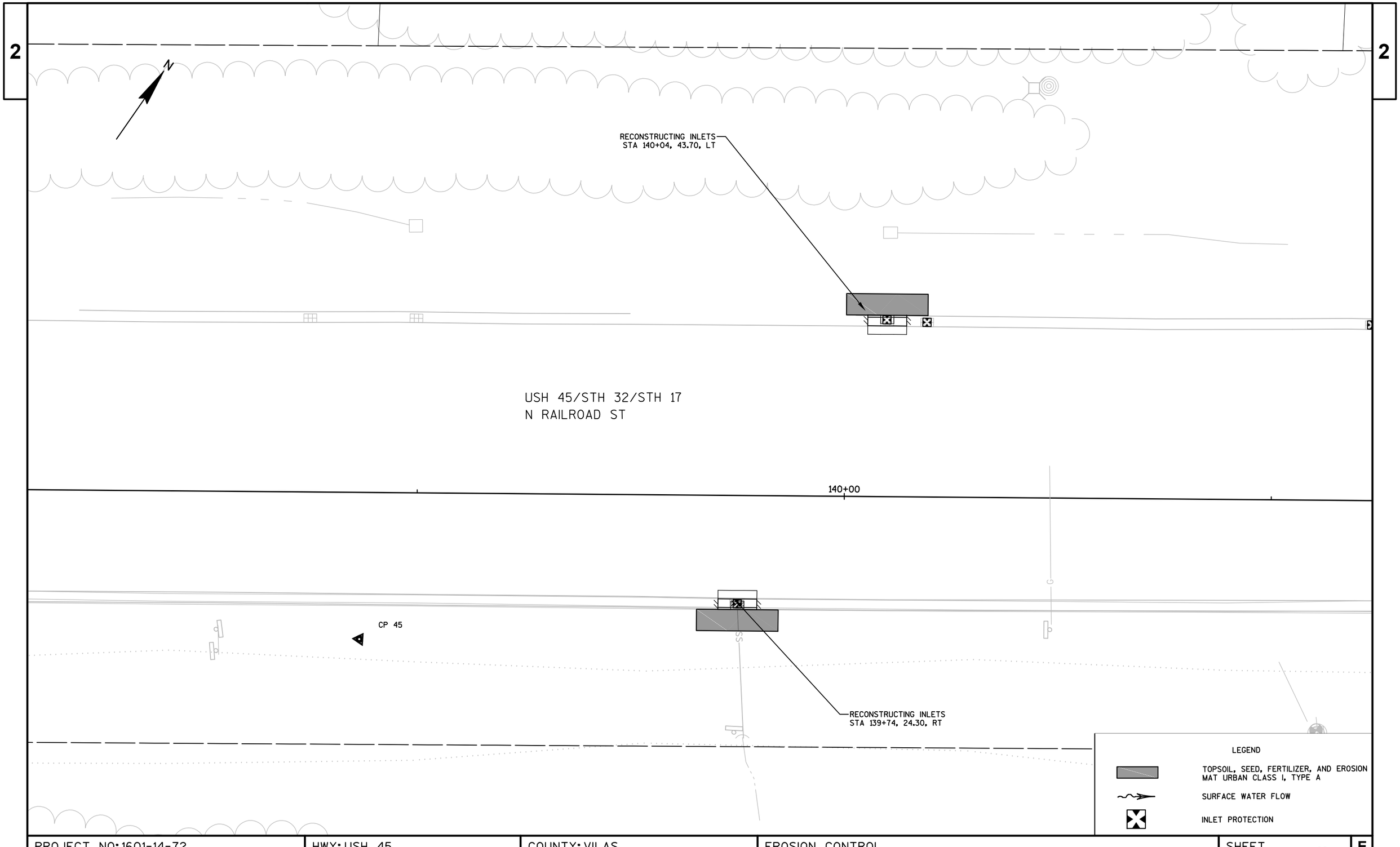
INLET PROTECTION

PROJECT NO:1601-14-72	HWY: USH 45	COUNTY: VILAS	EROSION CONTROL	SHEET	E

FILE NAME : P:\2014\2014.068 - WISDOT NC - USH 45, VILAS\CAD\16011472\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - ****

PLOT DATE : 4/19/2017 7:11 PM PLOT BY : CHAD D. GRUNDEMANN PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 42



PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	EROSION CONTROL	SHEET 66	E

2

2

RECONSTRUCTING INLETS
STA 142+99, 43.73, LT

USH 45/STH 32/STH 17
N RAILROAD ST

PC: 142+59.04

142+00

144+00

LEGEND

TOPSOIL, SEED, FERTILIZER, AND EROSION MAT URBAN CLASS I, TYPE A

SURFACE WATER FLOW

INLET PROTECTION

PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	EROSION CONTROL	SHEET 67	E

2

2

N

USH 45/STH 32/STH 17
N RAILROAD ST

RECONSTRUCTING INLETS
STA 151+76, 43.73, LT

WISCONSIN PUBLIC SERVICE
ELECTRIC

152+00

WISCONSIN PUBLIC SERVICE
GAS

WISCONSIN PUBLIC SERVICE
GAS

WISCONSIN PUBLIC SERVICE
ELECTRIC

MH

MH

CHAIN O LAKES RD

LEGEND

TOPSOIL, SEED, FERTILIZER, AND EROSION MAT URBAN CLASS I, TYPE A

SURFACE WATER FLOW

INLET PROTECTION

PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	EROSION CONTROL	SHEET 68	E

FILE NAME : P:\2014\2014.068 - WISDOT NC - USH 45, VILAS\CAD\16011472\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - ****

PLOT DATE : 4/19/2017 7:13 PM PLOT BY : CHAD D. GRUNDEMANN PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 42

2

2

N

USH 45/STH 32/STH 17
N RAILROAD ST

158+00

160+00

RECONSTRUCTING INLETS
STA 159+26, 24.48, RT

LEGEND

TOPSOIL, SEED, FERTILIZER, AND EROSION MAT URBAN CLASS I, TYPE A

SURFACE WATER FLOW

INLET PROTECTION

PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	EROSION CONTROL	SHEET 69	E

2

SIGNING LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- SIGN – MOVE
- SIGN – REMOVE AND REPLACE
- SIGN – REMOVE
- SIGN – PLACE NEW
- SIGN – EXISTING TO REMAIN

N

STOP R1-1 30"X30" 1-1

DIVIDED HIGHWAY R6-3-A 30"X24" 1-2

1-3 R4-7 24"X30"

1-4 W3-3 36"X36"

1-6 DO NOT ENTER R5-1 30"X30"

JCT 70 J1-1 24"X39" 1-7

BY OTHERS

1-26 Business District D1-56-SL 66"X24"

BY OTHERS

W3-3 36"X36" 1-28

BY OTHERS

1-17 ONE WAY R6-2-L 24"X30"

STOP R1-1F 36"X36" 1-22

DO NOT ENTER R5-1 30"X30" 1-23

STOP R1-1F 36"X36" 1-15

1-16 R4-7 24"X30"

WILLOW ST

USH 45/STH 32/STH 17
BRIDGE ST

576+11.60

MATCH LINE STA 32+00

USH 45/STH 32/STH 70/W PINE ST

NORTH 45 NORTH 17 NORTH 32 J4-3 72"X36" 1-5

BY OTHERS

BY OTHERS

1-8

DO NOT ENTER 1-10

YIELD R1-2 36"X31" 1-11

Business District D1-56-SR 66"X24" 1-9

DO NOT ENTER R5-1 30"X30" 1-12

W12-1D 24"X24" 1-13

STOP R1-1F 36"X36" 1-14

W WALL ST

STOP R1-1F 36"X36" 1-18

W12-1D 24"X24" 1-19

YIELD R1-2 36"X31" 1-20

STOP R1-1F 36"X36" 1-21

SPEED LIMIT 25 R2-1 24"X30" 1-24

SPEED LIMIT 25 R2-1 24"X30" 1-25

W11-6 30"X30" 1-27

1-29

PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	PERMANENT SIGNING	SHEET 70	E

FILE NAME : P:\2014\2014.068 - WISDOT NC - USH 45, VILAS\CAD\16011472\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - SHEET - (14)
PLOT DATE : 4/27/2017 12:40 PM PLOT BY : CHAD D. GRUNDEMANN PLOT NAME : PLOT SCALE : **********
WISDOT/CADDS SHEET 44

2

SIGNING LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
  PROPOSED SIGN MOUNTED ON POST(S)
- X-X SIGN – MOVE
- X-X SIGN – REMOVE AND REPLACE
- X-X SIGN – REMOVE
- X-X SIGN – PLACE NEW
- X-X SIGN – EXISTING TO REMAIN

N

W RIVERVIEW DR

MATCH LINE STA 32+00

MATCH LINE

R4-7
24"X30"
2-3

2-7

SPEED LIMIT 25
R2-1
24"X30"
2-8

EAGLE RIVER

RIPRAP

W SHERBURN ST

A/C

END
R3-9-D
24"X6"
2-13

CENTER LANE ONLY
R3-9-B
24"X36"
2-12

2-15

W6-1
36"X36"

2-17

SPEED LIMIT 25
R2-1
24"X30"

USH 45/STH 32/STH 17
BRIDGE ST

34 36 38 40 42 44 46

USH 45/STH 32/STH 17
N RAILROAD ST

MATCH LINE STA 46+50

E SPRUCE ST

STOP
R1-1
30"X30"
2-5

R3-2
24"X24"
2-4

R3-2
24"X24"
2-6

SPEED LIMIT 25
R2-1
24"X30"
2-9

W6-1
36"X36"
2-10

R4-7
24"X30"
2-11

2-1

R3-1
24"X24"
2-2

CENTER LANE ONLY
R3-9-B
24"X36"
2-14

SPEED LIMIT 30
R2-1
24"X30"
2-16

PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	PERMANENT SIGNING	SHEET 71	E

SIGNING LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- SIGN – MOVE
- SIGN – REMOVE AND REPLACE
- SIGN – REMOVE
- SIGN – PLACE NEW
- SIGN – EXISTING TO REMAIN

BY OTHERS

W ILLINOIS ST

N MICHIGAN ST

W OHIO ST

USH 45/STH 32/STH 17

N RAILROAD ST

W MILL ST

E MCKINLEY

MATCH LINE STA 46+50

MATCH LINE STA 61+00

48 50 52 54 56 58 60

3-1 R1-1 STOP 30"X30"

3-2 R6-3 DIVIDED HIGHWAY 30"X24"

3-3 NO ENGINE BRAKING EXCEPT IN EMERGENCY

3-4

3-5 R3-9-B CENTER LANE ONLY 24"X36"

3-6 R3-9-D END 24"X6"

3-7 R7-1-D NO PARKING 18"X24"

3-8 R2-1 SPEED LIMIT 30 24"X30"

3-9 R2-1 SPEED LIMIT 30 24"X30"

3-10 R7-1-D NO PARKING 18"X24"

3-11 D1-2 Mill St / E McKinley 78" X 30"

3-12 R5-1 DO NOT ENTER 30"X30"

3-13 R3-9-B CENTER LANE ONLY 24"X36"

3-14 R1-1F STOP 36"X36"

3-15 R4-7 24"X30"

3-16 R1-1F STOP 36"X36"

3-17 R6-3 DIVIDED HIGHWAY 30"X24"

3-18 R1-1F STOP 36"X36"

3-19 R1-1F STOP 36"X36"

3-20 R6-3 DIVIDED HIGHWAY 30"X24"

3-21 R5-1 DO NOT ENTER 30"X30"

3-22 R1-1F STOP 36"X36"

3-23 R4-7 24"X30"

3-24 R1-1F STOP 36"X36"

3-25 R5-1 DO NOT ENTER 30"X30"

3-26 DO NOT ENTER

3-27 D1-2 E McKinley / Mill ST 78" X 30"

3-28 R6-2-R ONE WAY 24"X30"

PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	PERMANENT SIGNING	SHEET 72	E

2

SIGNING LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- X-X — SIGN – MOVE
- X-X — SIGN – REMOVE AND REPLACE
- X-X — SIGN – REMOVE
- X-X — SIGN – PLACE NEW
- X-X — SIGN – EXISTING TO REMAIN

N

STOP R1-1 30"X30" 4-3

DIVIDED HIGHWAY R6-3-A 30"X24" 4-4

EAGLE RIVER — BY OTHERS

R4-7 24"X30" 4-2

R4-7 24"X30" 4-5

DO NOT ENTER R5-1 30"X30" 4-7

SPEED LIMIT 30 R2-1 24"X30" 4-8

JACK FROST ST

STOP R1-1F 36"X36" 4-20

R4-7 24"X30" 4-21

4-12

SPEED LIMIT 30 R2-1 24"X30"

R4-7 24"X30" 4-15

N BLUEBIRD RD

STOP R1-1F 36"X36" 4-22

DIVIDED HIGHWAY R6-3 30"X24" 4-23

4-26

STOP R1-1F 36"X36"

R4-7 24"X30" 4-27

STOP R1-1F 36"X36" 4-28

DO NOT ENTER R5-1 30"X30" 4-29

4-35

D9-2 24"X24" 4-30

MB6-1 21"X21" 4-31

WRONG WAY R5-1A 36"X24" 4-33

CANOPY

USH 45/STH 32/STH 17

N RAILROAD ST

MATCH LINE STA 61+00

62 64 EQUATION 46 48 50 52 54

MATCH LINE STA 55+50

STA BACK = 64+92.32

STA AHEAD = 44+92.69

DO NOT ENTER R5-1 30"X30" 4-1

SPEED LIMIT 30 R2-1 24"X30" 4-6

4-9

BEGIN LEFT TURN LANE R3-20-L 24"X36" 4-10

4-11

ROAD TO AIRPORT 1/4 MILE 4-13

WRONG WAY R5-1A 36"X24" 4-14

H D9-2 24"X24" 4-16

MB6-1 21"X21" 4-17

DO NOT ENTER R5-1 30"X30" 4-18

STOP R1-1F 36"X36" 4-19

E HOSPITAL RD

BEGIN LEFT TURN LANE R3-20-L 24"X36" 4-32

SPEED LIMIT 30 R2-1 24"X30" 4-34

STOP R1-1F 36"X36" 4-24

DIVIDED HIGHWAY R6-3 30"X24" 4-25

PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	PERMANENT SIGNING	SHEET 73	E

FILE NAME : P:\2014\2014.068 - WISDOT NC - USH 45, VILAS\CAD\16011472\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - SHEET - (17)
PLOT DATE : 4/27/2017 12:40 PM PLOT BY : CHAD D. GRUNDEMANN PLOT NAME : PLOT SCALE : **********
WISDOT/CADDS SHEET 44

2

SIGNING LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
  PROPOSED SIGN MOUNTED ON POST(S)
- SIGN – MOVE
- SIGN – REMOVE AND REPLACE
- SIGN – REMOVE
- SIGN – PLACE NEW
- SIGN – EXISTING TO REMAIN

N

MATCH LINE STA 55+50

USH 45/STH 32/STH 17
N RAILROAD ST

56 58 60 62 64 66 68

MATCH LINE STA 70+00

AIRPORT RD

PLEASURE ISLAND RD

POST
POST
SIGN
SIGN
SIGN

2

SIGNING LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- SIGN – MOVE
- SIGN – REMOVE AND REPLACE
- SIGN – REMOVE
- SIGN – PLACE NEW
- SIGN – EXISTING TO REMAIN

N

6-1
ROAD TO AIRPORT 1/4 MILE

6-2
CENTER LANE ONLY
R3-9-B
24"X36"

6-3
SPEED LIMIT 40
R2-1
30"X36"

USH 45/STH 32/STH 17
N RAILROAD ST

MATCH LINE STA 70+00

MATCH LINE STA 84+50

STOP
R1-1
36"X36"

6-4
DIVIDED HIGHWAY

6-5

PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	PERMANENT SIGNING	SHEET 75	E

FILE NAME : P:\2014\2014.068 - WISDOT NC - USH 45, VILAS\CAD\16011472\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - SHEET - (19)
PLOT DATE : 4/27/2017 12:41 PM PLOT BY : CHAD D. GRUNDEMANN PLOT NAME : PLOT SCALE : **********
WISDOT/CADDS SHEET 44

2

SIGNING LEGEND

- EXISTING SIGN MOUNTED ON POST(S) / PROPOSED SIGN MOUNTED ON POST(S)
- X-X — SIGN – MOVE
- X-X — SIGN – REMOVE AND REPLACE
- X-X — SIGN – REMOVE
- X-X — SIGN – PLACE NEW
- X-X — SIGN – EXISTING TO REMAIN

N

USH 45/STH 32/STH 17
N RAILROAD ST

MATCH LINE STA 84+50

MATCH LINE STA 99+00

86 88 90 92 94 96 98

CENTER LANE ONLY
R3-9-B
24"X36"
7-4

SPEED LIMIT 40
R2-1
30"X36"
7-5

SPEED LIMIT 40
R2-1
30"X36"
7-2

CENTER LANE ONLY
R3-9-B
24"X36"
7-3

DNR RANGER STATION 1/2 MILE
7-1

STOP
R1-1
36"X36"
7-6

DIVIDED HIGHWAY
7-7

JCT
COUNTY G
J1-1
24"X39"
7-8

7-9
DO NOT ENTER
R5-1
36"X36"

7-10
CENTER LANE ONLY
R3-9-B
24"X36"

R4-7
24"X30"
7-11

INL SIGN MH W G

PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	PERMANENT SIGNING	SHEET 76	E

FILE NAME : P:\2014\2014.068 - WISDOT NC - USH 45, VILAS\CAD\16011472\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - SHEET - (20)
PLOT DATE : 4/27/2017 12:41 PM PLOT BY : CHAD D. GRUNDEMANN PLOT NAME : PLOT SCALE : **********
WISDOT/CADDS SHEET 44

2

MATCH LINE STA 99+00

USH 45/STH 32/STH 17

N RAILROAD ST

PLEASURE ISLAND RD

CTH G

MATCH LINE STA 113+50

100 102 104 106 108 110 112

SOUTH SOUTH SOUTH 45 17 32 — J4-3 72"X36" — 8-7

Eagle River County Park 1/2 MILE — 8-1

WRONG WAY — R5-1A 42"X30" — 8-2

SPEED LIMIT 40 — R2-1 30"X36" — 8-3

W3-3 36"X36" — 8-4

BY OTHERS — 8-5

WRONG WAY — R5-1A 42"X30" — 8-6

BY OTHERS

8-8

45 17 32 — J12-3 72"X45" — 8-17

DO NOT ENTER — R5-1 36"X36" — 8-18

H — D9-2 24"X24" — 8-12

M6-1 21"X21" — 8-13

R4-7 24"X30" — 8-16

STOP — R1-1F 36"X36" — 8-15

YIELD — R1-2 48"X42" — 8-14

STOP — R1-1F 36"X36" — 8-19

DIVIDED HIGHWAY — R6-3 30"X24" — 8-20

W12-1D 24"X24" — 8-21

STOP — R1-1F 36"X36" — 8-22

DIVIDED HIGHWAY — R6-3 30"X24" — 8-23

R4-7 24"X30" — 8-24

COUNTY G — J12-1 24"X45" — 8-35

STOP — R1-1F 36"X36" — 8-33

DO NOT ENTER — R5-1 36"X36" — 8-36

8-37

BY OTHERS

WRONG WAY — R5-1A 42"X30" — 8-39

8-40

W3-3 36"X36" — 8-43

R4-7 24"X30" — 8-44

DNR Ranger Station — D1-2 72" X 36" — 8-48

BY OTHERS

FLAG SIGN

SIGN

8-9

8-10

COUNTY G — J12-1 24"X45"

DO NOT ENTER — R5-1 36"X36"

8-11

STOP — R1-1F 36"X36"

8-26

STOP — R1-1F 36"X36"

DIVIDED HIGHWAY — R6-3 30"X24" — 8-27

R4-7 24"X30" — 8-25

W12-1D 24"X24" — 8-30

STOP — R1-1F 36"X36" — 8-28

DIVIDED HIGHWAY — R6-3 30"X24" — 8-29

YIELD — R1-2 48"X42" — 8-34

R4-7 24"X30" — 8-31

STOP — R1-1F 36"X36" — 8-32

DO NOT ENTER — 8-41

NORTH NORTH NORTH 45 17 32 — J4-3 72"X36" — 8-38

SPEED LIMIT 40 — 8-45

SPEED LIMIT 40 — R2-1 30"X36" — 8-42

DO NOT ENTER — R5-1 36"X36" — 8-46

DNR Ranger Station — D1-2 72" X 36" — 8-47

CENTER LANE ONLY — R3-9-B 24"X36" — 8-49

FLAG SIGN

SIGNING LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- SIGN – MOVE
- SIGN – REMOVE AND REPLACE
- SIGN – REMOVE
- SIGN – PLACE NEW
- SIGN – EXISTING TO REMAIN

PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	PERMANENT SIGNING	SHEET 77	E

FILE NAME : P:\2014\2014.068 - WISDOT NC - USH 45, VILAS\CAD\16011472\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - SHEET - (21)
PLOT DATE : 4/27/2017 12:41 PM PLOT BY : CHAD D. GRUNDEMANN PLOT NAME : PLOT SCALE : **********
WISDOT/CADDS SHEET 44

2

SIGNING LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- SIGN – MOVE
- SIGN – REMOVE AND REPLACE
- SIGN – REMOVE
- SIGN – PLACE NEW
- SIGN – EXISTING TO REMAIN

N

JCT COUNTY G
J1-1
24"X39"
9-1

CENTER LANE ONLY
R3-9-B
24"X36"
9-3

CENTER LANE ONLY
9-4

SPEED LIMIT 40
R2-1
30"X36"
9-5

BY OTHERS

MATCH LINE STA 113+50

USH 45/STH 32/STH 17
N RAILROAD ST

114 116 118 120 122 124 126

MATCH LINE STA 128+00

FLAG
INL
SIGN
MH

SPEED LIMIT 40
R2-1
30"X36"
9-2

BY OTHERS

MCKINLEY BLVD

STOP
R1-1
36"X36"
9-6

DIVIDED HIGHWAY
9-7

SPEED LIMIT 40
R2-1
30"X36"
9-8

CENTER LANE ONLY
R3-9-B
24"X36"
9-9

PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	PERMANENT SIGNING	SHEET 78	E

2

N

SIGNING LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- SIGN – MOVE
- SIGN – REMOVE AND REPLACE
- SIGN – REMOVE
- SIGN – PLACE NEW
- SIGN – EXISTING TO REMAIN

DNR
RANGER
STATION
1/2 MILE

10-1

MATCH LINE STA 128+00

USH 45/STH 32/STH 17
N RAILROAD ST

128 130 132 134 136 138 140 142

MATCH LINE STA 142+50

INL

SIGN

26957
1659.24
FEN

LODGING
CHAIN O LAKES ROAD

WILD
EAGLE
LODGE

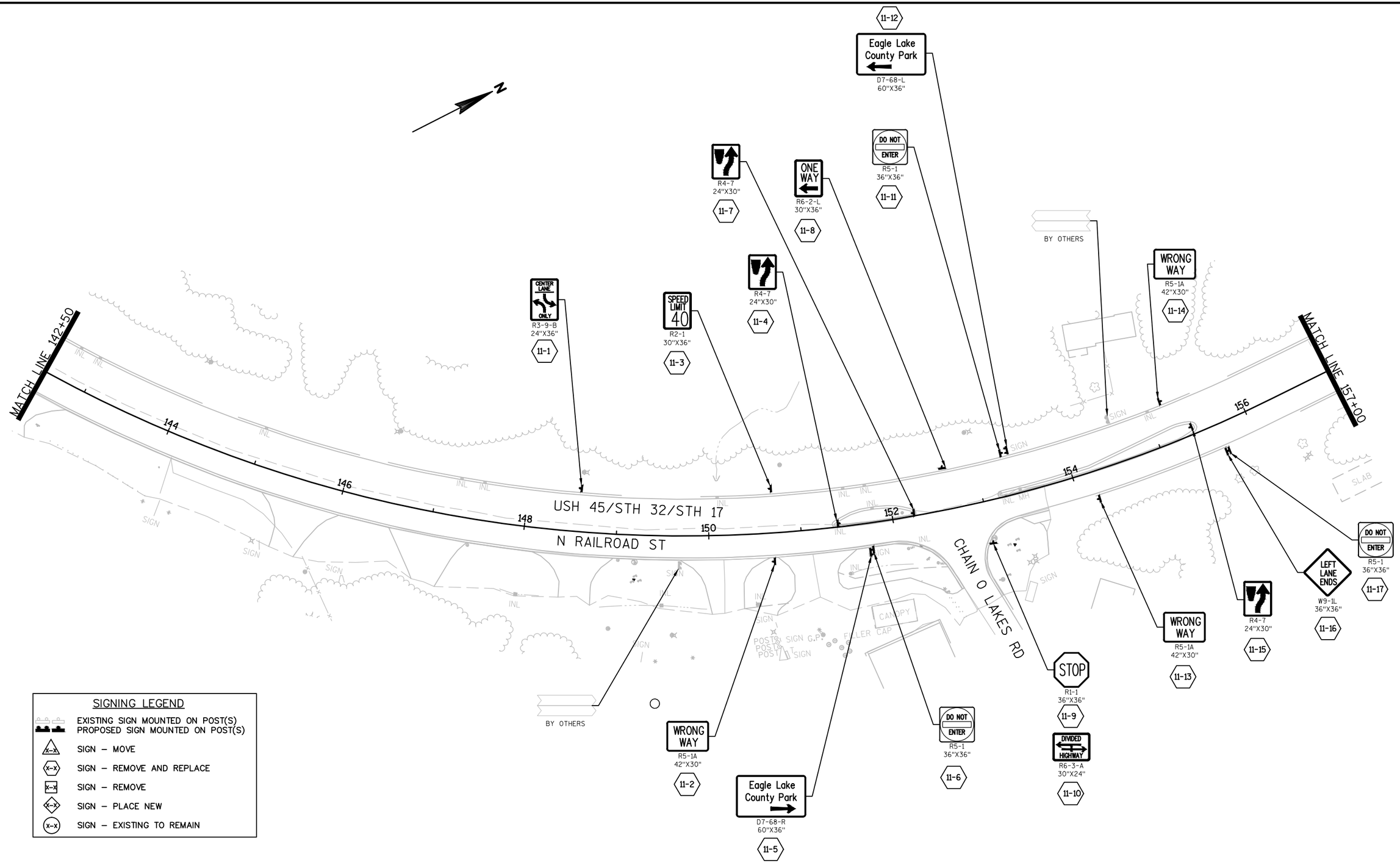
BY OTHERS

S3-1
36"X36"

10-2

PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	PERMANENT SIGNING	SHEET 79	E

2



PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	PERMANENT SIGNING	SHEET 80	E

2

N

SPEED LIMIT 40
R2-1
30"X36"
12-2

CENTER LANE ONLY
R3-9-B
24"X36"
12-4

SPEED LIMIT 40
R2-1
30"X36"
12-5

S3-1
36"X36"
12-5

LODGING
CHAIN O LAKES ROAD
WILD EAGLE LODGE
BY OTHERS

MATCH LINE STA 157+00

158 160 162 164 USH 45/STH 32/STH 17 N RAILROAD ST 166 168 170

MATCH LINE STA 171+50

INL

POST

SPEED LIMIT 40
R2-1
30"X36"
12-1

W4-2L
36"X36"
12-3

12-7

SIGNING LEGEND

- EXISTING SIGN MOUNTED ON POST(S) / PROPOSED SIGN MOUNTED ON POST(S)
- X–X SIGN – MOVE
- X–X SIGN – REMOVE AND REPLACE
- X–X SIGN – REMOVE
- X–X SIGN – PLACE NEW
- X–X SIGN – EXISTING TO REMAIN

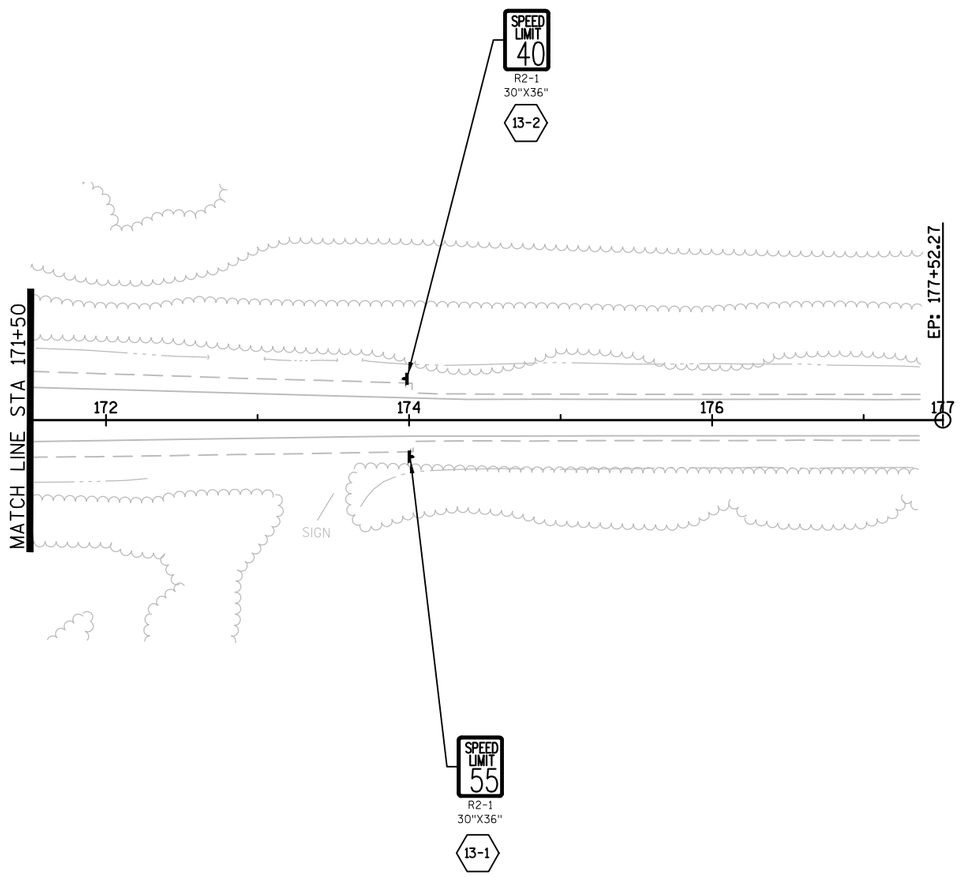
PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	PERMANENT SIGNING	SHEET 81	E

FILE NAME : P:\2014\2014.068 - WISDOT NC - USH 45, VILAS\CAD\16011472\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - SHEET - (25)
PLOT DATE : 4/27/2017 12:42 PM PLOT BY : CHAD D. GRUNDEMANN PLOT NAME : PLOT SCALE : **********
WISDOT/CADDS SHEET 44

2

SIGNING LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
  PROPOSED SIGN MOUNTED ON POST(S)
- SIGN – MOVE
- SIGN – REMOVE AND REPLACE
- SIGN – REMOVE
- SIGN – PLACE NEW
- SIGN – EXISTING TO REMAIN



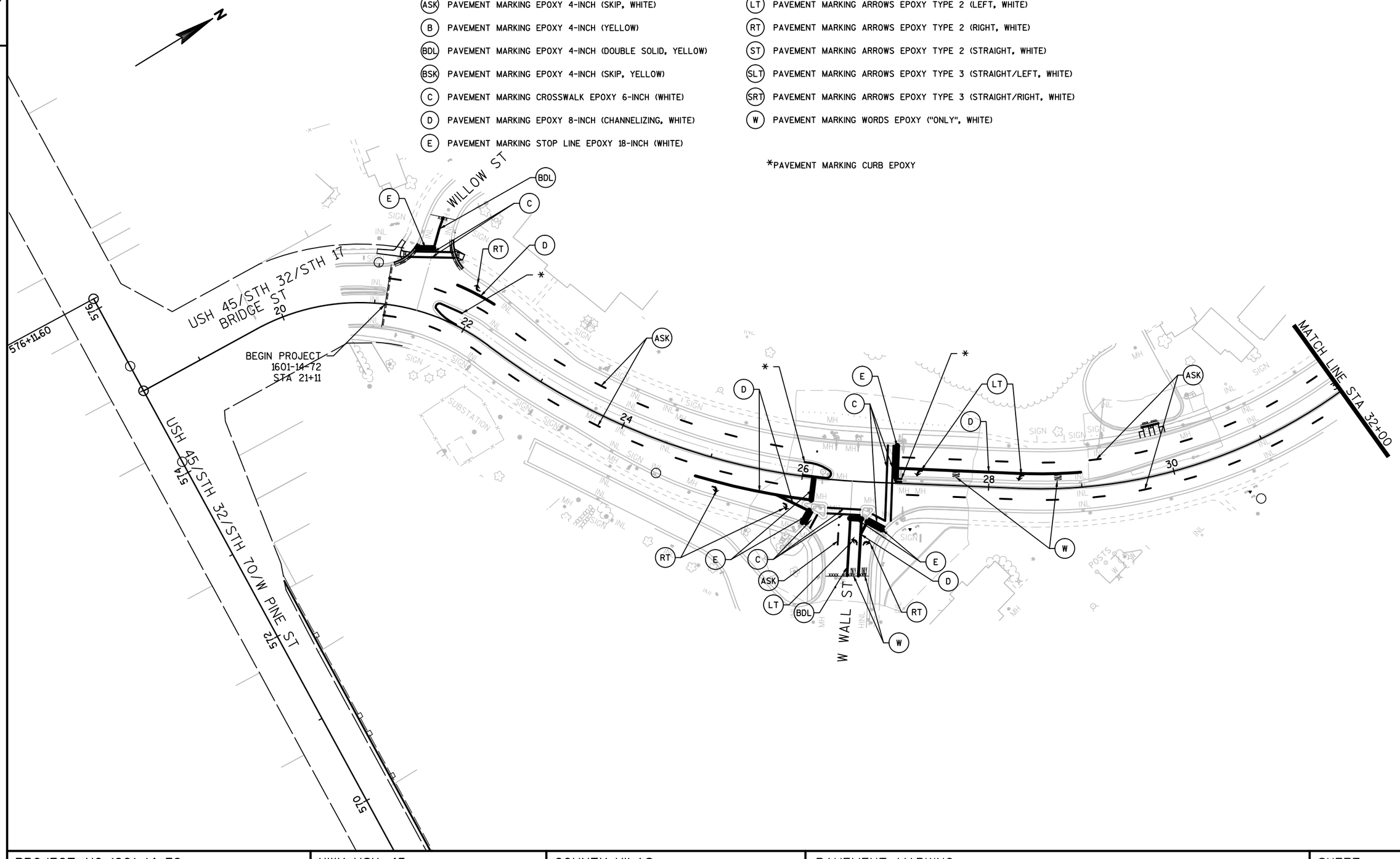
PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	PERMANENT SIGNING	SHEET 82	E

2

PAVEMENT MARKING LEGEND

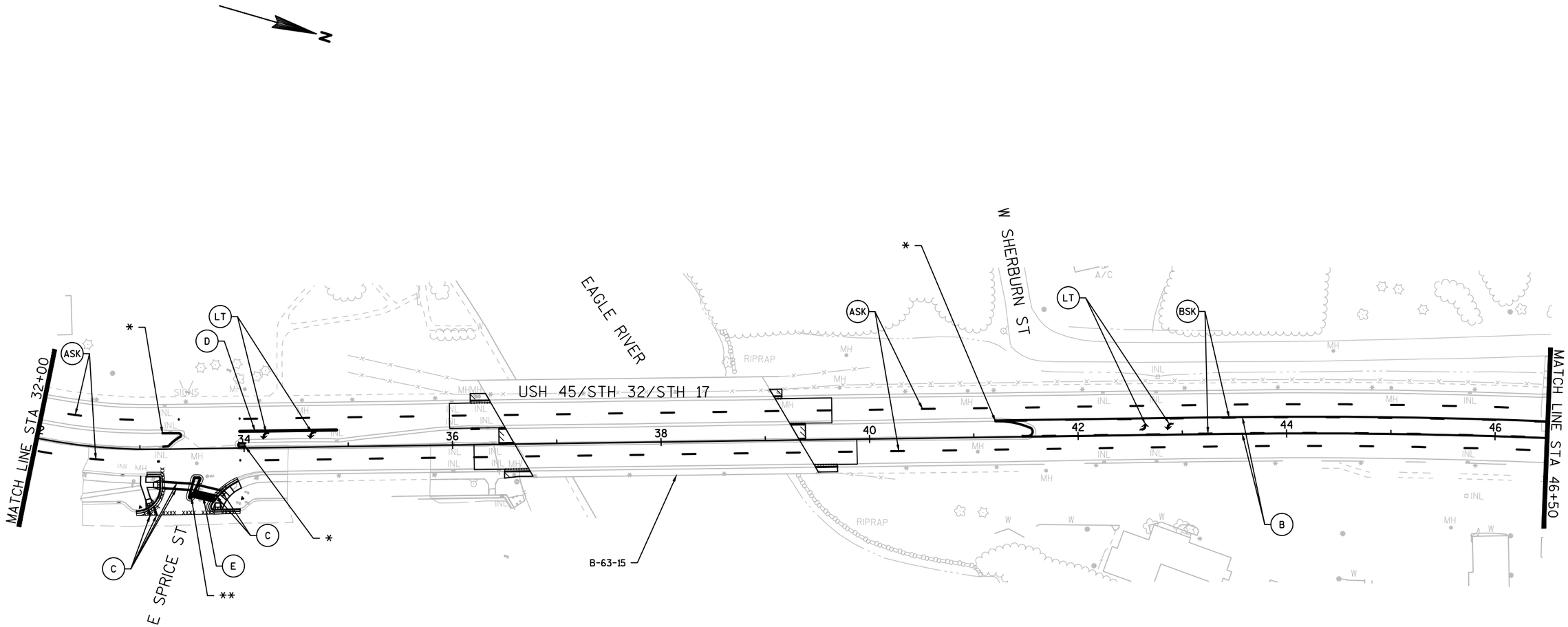
- (A) PAVEMENT MARKING EPOXY 4-INCH (WHITE)
- (ASK) PAVEMENT MARKING EPOXY 4-INCH (SKIP, WHITE)
- (B) PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
- (BDL) PAVEMENT MARKING EPOXY 4-INCH (DOUBLE SOLID, YELLOW)
- (BSK) PAVEMENT MARKING EPOXY 4-INCH (SKIP, YELLOW)
- (C) PAVEMENT MARKING CROSSWALK EPOXY 6-INCH (WHITE)
- (D) PAVEMENT MARKING EPOXY 8-INCH (CHANNELIZING, WHITE)
- (E) PAVEMENT MARKING STOP LINE EPOXY 18-INCH (WHITE)
- (F12) PAVEMENT MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
- (LT) PAVEMENT MARKING ARROWS EPOXY TYPE 2 (LEFT, WHITE)
- (RT) PAVEMENT MARKING ARROWS EPOXY TYPE 2 (RIGHT, WHITE)
- (ST) PAVEMENT MARKING ARROWS EPOXY TYPE 2 (STRAIGHT, WHITE)
- (SLT) PAVEMENT MARKING ARROWS EPOXY TYPE 3 (STRAIGHT/LEFT, WHITE)
- (SRT) PAVEMENT MARKING ARROWS EPOXY TYPE 3 (STRAIGHT/RIGHT, WHITE)
- (W) PAVEMENT MARKING WORDS EPOXY ("ONLY", WHITE)

*PAVEMENT MARKING CURB EPOXY



PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	PAVEMENT MARKING	SHEET 83	E

2

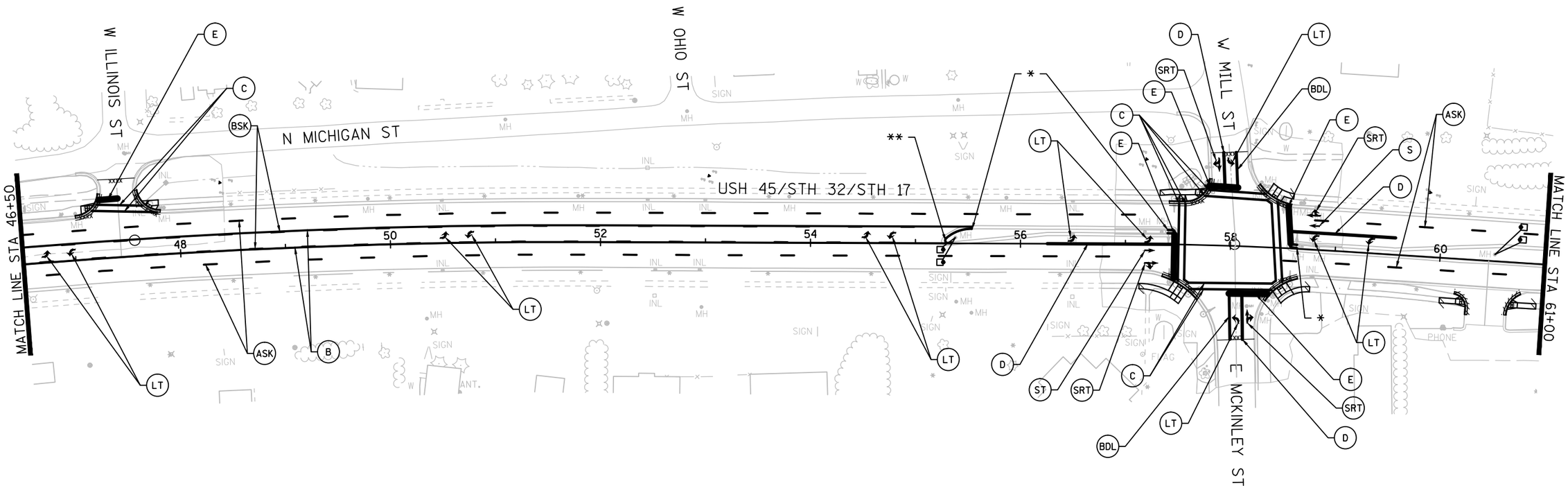


PAVEMENT MARKING LEGEND

- (A) PAVEMENT MARKING EPOXY 4-INCH (WHITE)
- (ASK) PAVEMENT MARKING EPOXY 4-INCH (SKIP, WHITE)
- (B) PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
- (BDL) PAVEMENT MARKING EPOXY 4-INCH (DOUBLE SOLID, YELLOW)
- (BSK) PAVEMENT MARKING EPOXY 4-INCH (SKIP, YELLOW)
- (C) PAVEMENT MARKING CROSSWALK EPOXY 6-INCH (WHITE)
- (D) PAVEMENT MARKING EPOXY 8-INCH (CHANNELIZING, WHITE)
- (E) PAVEMENT MARKING STOP LINE EPOXY 18-INCH (WHITE)
- *PAVEMENT MARKING CURB EPOXY
- **PAVEMENT MARKING CURB EPOXY & PAVEMENT MARKING ISLAND NOSE
- (F12) PAVEMENT MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
- (LT) PAVEMENT MARKING ARROWS EPOXY TYPE 2 (LEFT, WHITE)
- (RT) PAVEMENT MARKING ARROWS EPOXY TYPE 2 (RIGHT, WHITE)
- (ST) PAVEMENT MARKING ARROWS EPOXY TYPE 2 (STRAIGHT, WHITE)
- (SLT) PAVEMENT MARKING ARROWS EPOXY TYPE 3 (STRAIGHT/LEFT, WHITE)
- (SRT) PAVEMENT MARKING ARROWS EPOXY TYPE 3 (STRAIGHT/RIGHT, WHITE)
- (W) PAVEMENT MARKING WORDS EPOXY ("ONLY", WHITE)

PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	PAVEMENT MARKING	SHEET 84	E

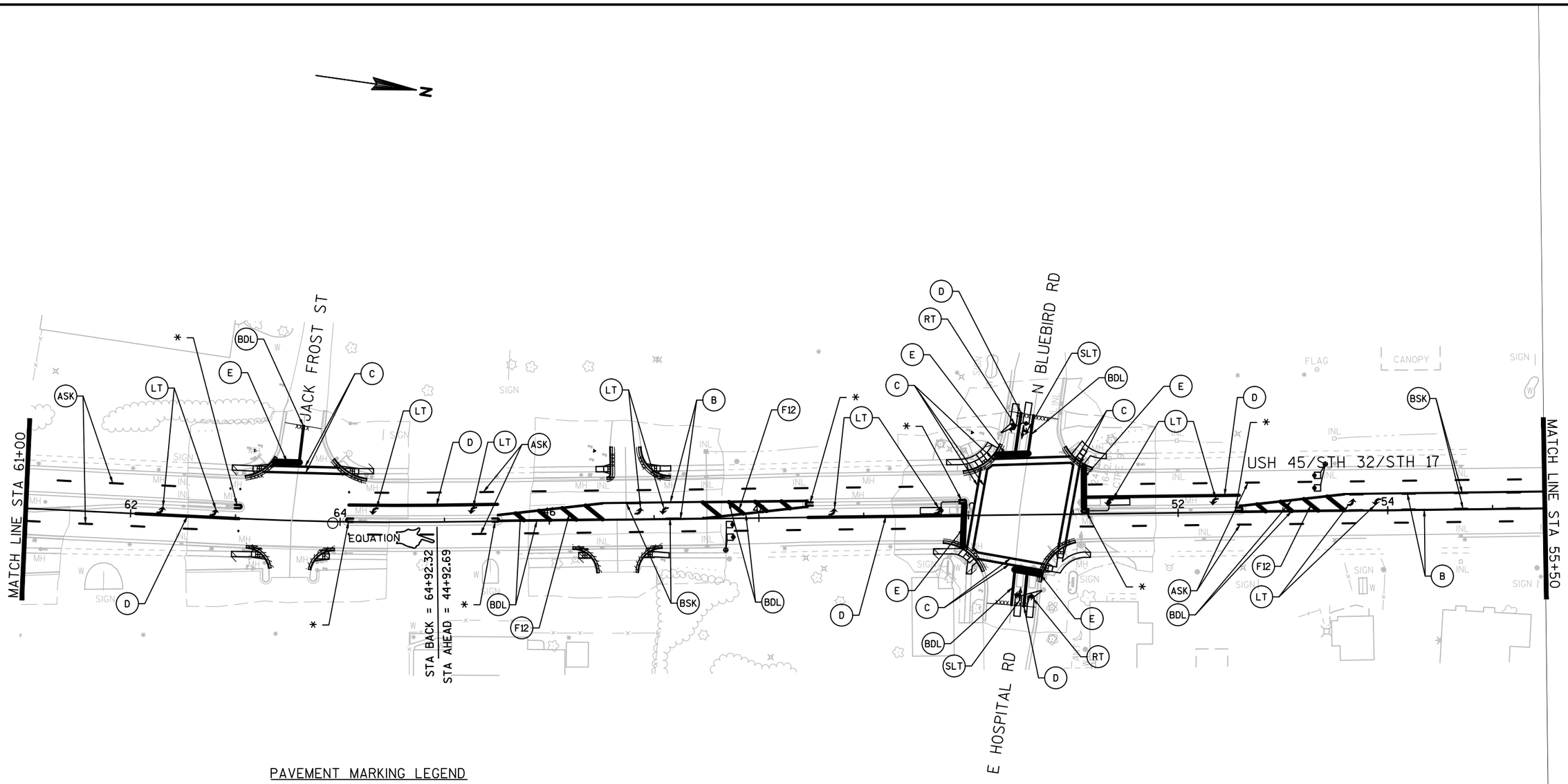
2



PAVEMENT MARKING LEGEND

- (A) PAVEMENT MARKING EPOXY 4-INCH (WHITE)
- (ASK) PAVEMENT MARKING EPOXY 4-INCH (SKIP, WHITE)
- (B) PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
- (BDL) PAVEMENT MARKING EPOXY 4-INCH (DOUBLE SOLID, YELLOW)
- (BSK) PAVEMENT MARKING EPOXY 4-INCH (SKIP, YELLOW)
- (C) PAVEMENT MARKING CROSSWALK EPOXY 6-INCH (WHITE)
- (D) PAVEMENT MARKING EPOXY 8-INCH (CHANNELIZING, WHITE)
- (E) PAVEMENT MARKING STOP LINE EPOXY 18-INCH (WHITE)
- *PAVEMENT MARKING CURB EPOXY
- **PAVEMENT MARKING ISLAND NOSE EPOXY
- (F12) PAVEMENT MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
- (LT) PAVEMENT MARKING ARROWS EPOXY TYPE 2 (LEFT, WHITE)
- (RT) PAVEMENT MARKING ARROWS EPOXY TYPE 2 (RIGHT, WHITE)
- (ST) PAVEMENT MARKING ARROWS EPOXY TYPE 2 (STRAIGHT, WHITE)
- (SLT) PAVEMENT MARKING ARROWS EPOXY TYPE 3 (STRAIGHT/LEFT, WHITE)
- (SRT) PAVEMENT MARKING ARROWS EPOXY TYPE 3 (STRAIGHT/RIGHT, WHITE)
- (W) PAVEMENT MARKING WORDS EPOXY ("ONLY", WHITE)

2



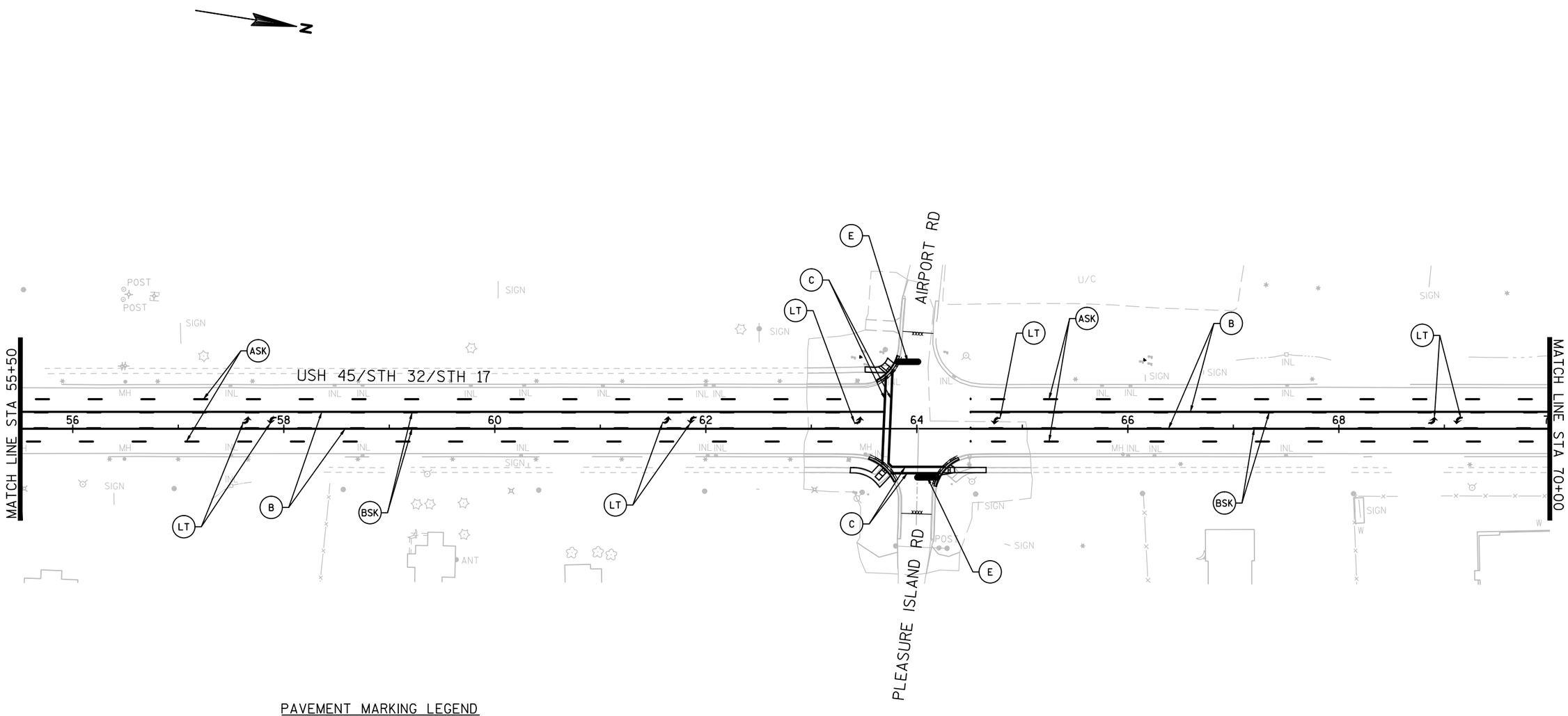
PAVEMENT MARKING LEGEND

- (A) PAVEMENT MARKING EPOXY 4-INCH (WHITE)
- (ASK) PAVEMENT MARKING EPOXY 4-INCH (SKIP, WHITE)
- (B) PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
- (BDL) PAVEMENT MARKING EPOXY 4-INCH (DOUBLE SOLID, YELLOW)
- (BSK) PAVEMENT MARKING EPOXY 4-INCH (SKIP, YELLOW)
- (C) PAVEMENT MARKING CROSSWALK EPOXY 6-INCH (WHITE)
- (D) PAVEMENT MARKING EPOXY 8-INCH (CHANNELIZING, WHITE)
- (E) PAVEMENT MARKING STOP LINE EPOXY 18-INCH (WHITE)
- *PAVEMENT MARKING CURB EPOXY
- (F12) PAVEMENT MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
- (LT) PAVEMENT MARKING ARROWS EPOXY TYPE 2 (LEFT, WHITE)
- (RT) PAVEMENT MARKING ARROWS EPOXY TYPE 2 (RIGHT, WHITE)
- (ST) PAVEMENT MARKING ARROWS EPOXY TYPE 2 (STRAIGHT, WHITE)
- (SLT) PAVEMENT MARKING ARROWS EPOXY TYPE 3 (STRAIGHT/LEFT, WHITE)
- (SRT) PAVEMENT MARKING ARROWS EPOXY TYPE 3 (STRAIGHT/RIGHT, WHITE)
- (W) PAVEMENT MARKING WORDS EPOXY ("ONLY", WHITE)

PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	PAVEMENT MARKING	SHEET 86 E

FILE NAME : P:\2014\2014.068 - WISDOT NC - USH 45, VILAS\CAD\16011472\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - SHEET - (17)
PLOT DATE : 4/19/2017 5:36 PM PLOT BY : CHAD D. GRUNDEMANN PLOT NAME : PLOT SCALE : **********
WISDOT/CADDS SHEET 44

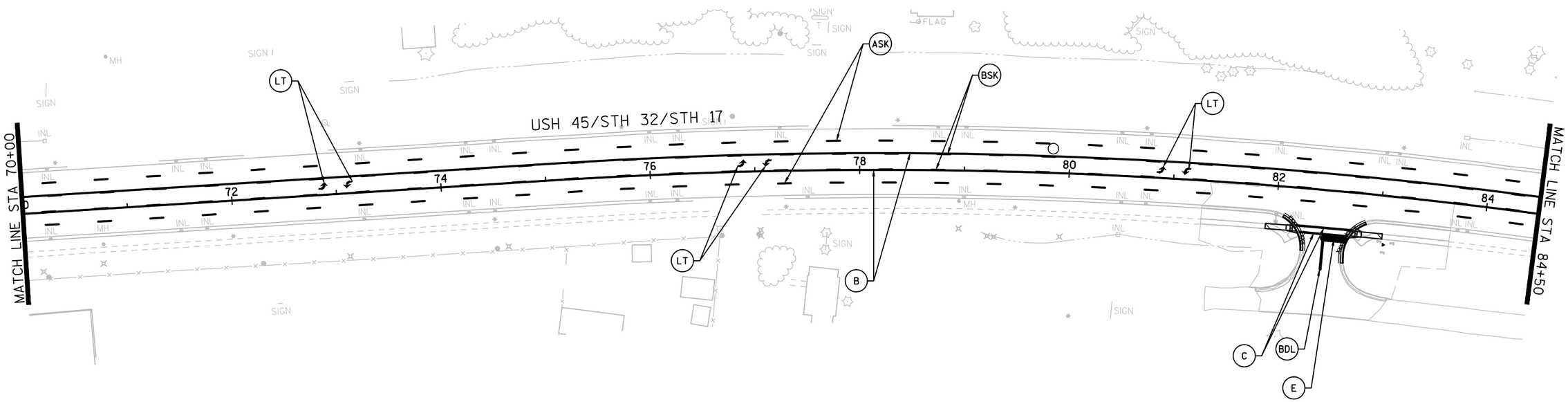
2



PAVEMENT MARKING LEGEND

- (A) PAVEMENT MARKING EPOXY 4-INCH (WHITE)
- (ASK) PAVEMENT MARKING EPOXY 4-INCH (SKIP, WHITE)
- (B) PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
- (BDL) PAVEMENT MARKING EPOXY 4-INCH (DOUBLE SOLID, YELLOW)
- (BSK) PAVEMENT MARKING EPOXY 4-INCH (SKIP, YELLOW)
- (C) PAVEMENT MARKING CROSSWALK EPOXY 6-INCH (WHITE)
- (D) PAVEMENT MARKING EPOXY 8-INCH (CHANNELIZING, WHITE)
- (E) PAVEMENT MARKING STOP LINE EPOXY 18-INCH (WHITE)
- (F12) PAVEMENT MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
- (LT) PAVEMENT MARKING ARROWS EPOXY TYPE 2 (LEFT, WHITE)
- (RT) PAVEMENT MARKING ARROWS EPOXY TYPE 2 (RIGHT, WHITE)
- (ST) PAVEMENT MARKING ARROWS EPOXY TYPE 2 (STRAIGHT, WHITE)
- (SLT) PAVEMENT MARKING ARROWS EPOXY TYPE 3 (STRAIGHT/LEFT, WHITE)
- (SRT) PAVEMENT MARKING ARROWS EPOXY TYPE 3 (STRAIGHT/RIGHT, WHITE)
- (W) PAVEMENT MARKING WORDS EPOXY ("ONLY", WHITE)

2



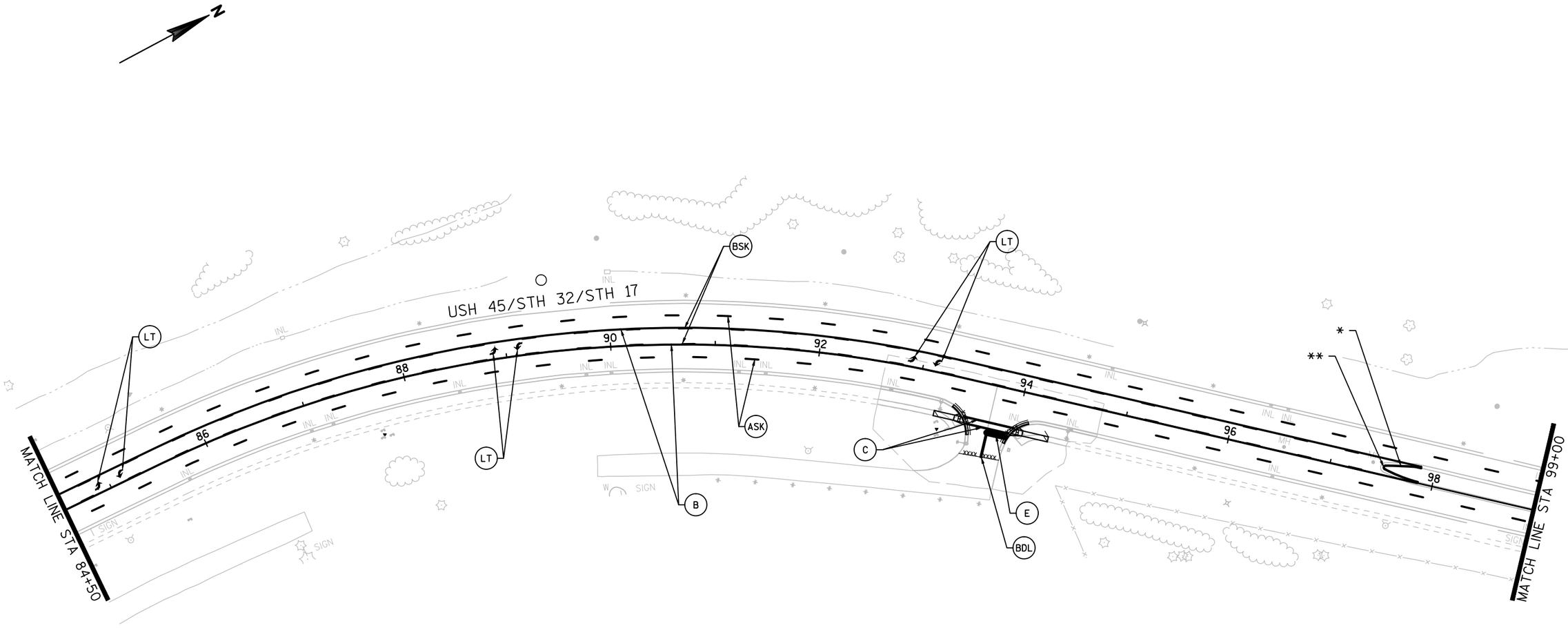
PAVEMENT MARKING LEGEND

- (A) PAVEMENT MARKING EPOXY 4-INCH (WHITE)
- (ASK) PAVEMENT MARKING EPOXY 4-INCH (SKIP, WHITE)
- (B) PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
- (BDL) PAVEMENT MARKING EPOXY 4-INCH (DOUBLE SOLID, YELLOW)
- (BSK) PAVEMENT MARKING EPOXY 4-INCH (SKIP, YELLOW)
- (C) PAVEMENT MARKING CROSSWALK EPOXY 6-INCH (WHITE)
- (D) PAVEMENT MARKING EPOXY 8-INCH (CHANNELIZING, WHITE)
- (E) PAVEMENT MARKING STOP LINE EPOXY 18-INCH (WHITE)
- (F12) PAVEMENT MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
- (LT) PAVEMENT MARKING ARROWS EPOXY TYPE 2 (LEFT, WHITE)
- (RT) PAVEMENT MARKING ARROWS EPOXY TYPE 2 (RIGHT, WHITE)
- (ST) PAVEMENT MARKING ARROWS EPOXY TYPE 2 (STRAIGHT, WHITE)
- (SLT) PAVEMENT MARKING ARROWS EPOXY TYPE 3 (STRAIGHT/LEFT, WHITE)
- (SRT) PAVEMENT MARKING ARROWS EPOXY TYPE 3 (STRAIGHT/RIGHT, WHITE)
- (W) PAVEMENT MARKING WORDS EPOXY ("ONLY", WHITE)

PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	PAVEMENT MARKING	SHEET 88	E

FILE NAME : P:\2014\2014.068 - WISDOT NC - USH 45, VILAS\CAD\16011472\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - SHEET - (19)
PLOT DATE : 4/19/2017 5:37 PM PLOT BY : CHAD D. GRUNDEMANN PLOT NAME : PLOT SCALE : **********
WISDOT/CADDS SHEET 44

2



PAVEMENT MARKING LEGEND

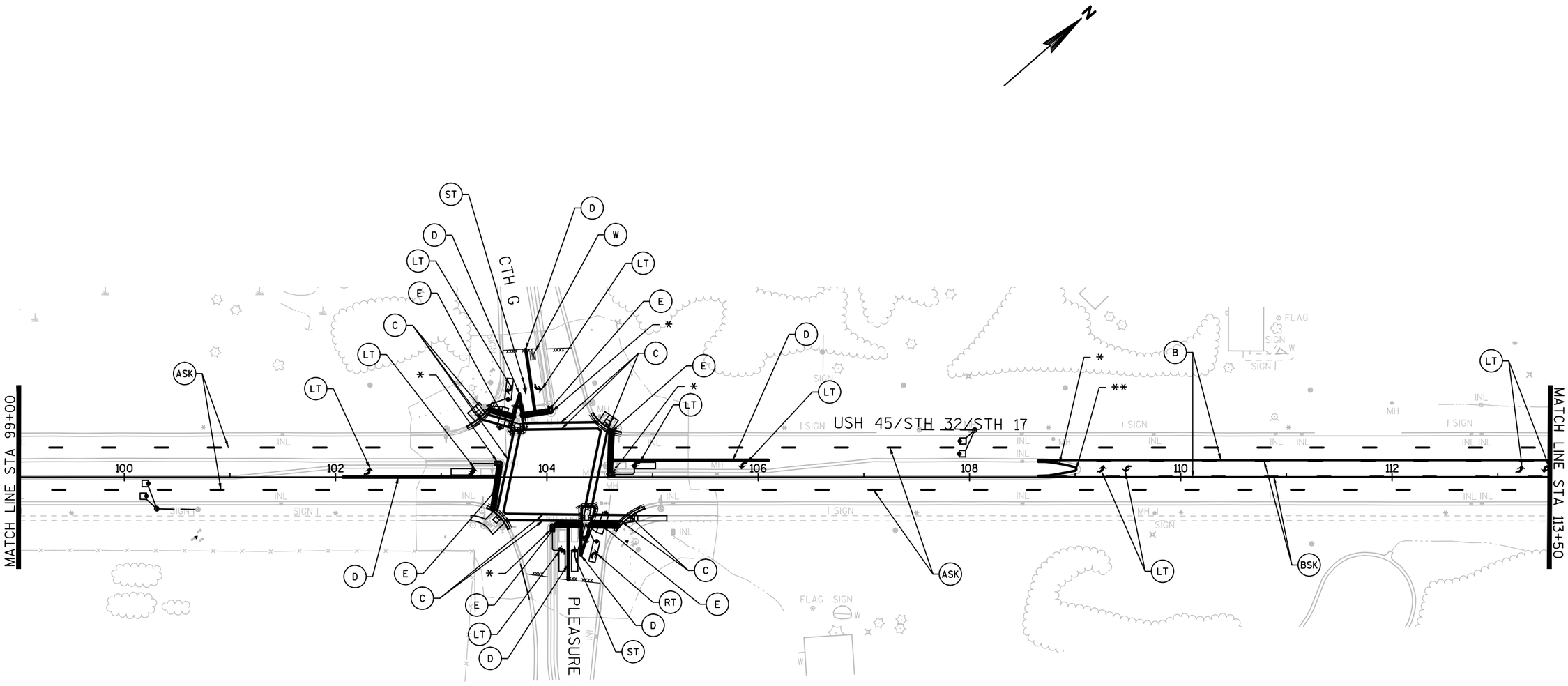
- (A) PAVEMENT MARKING EPOXY 4-INCH (WHITE)
- (ASK) PAVEMENT MARKING EPOXY 4-INCH (SKIP, WHITE)
- (B) PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
- (BDL) PAVEMENT MARKING EPOXY 4-INCH (DOUBLE SOLID, YELLOW)
- (BSK) PAVEMENT MARKING EPOXY 4-INCH (SKIP, YELLOW)
- (C) PAVEMENT MARKING CROSSWALK EPOXY 6-INCH (WHITE)
- (D) PAVEMENT MARKING EPOXY 8-INCH (CHANNELIZING, WHITE)
- (E) PAVEMENT MARKING STOP LINE EPOXY 18-INCH (WHITE)
- (F12) PAVEMENT MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
- (LT) PAVEMENT MARKING ARROWS EPOXY TYPE 2 (LEFT, WHITE)
- (RT) PAVEMENT MARKING ARROWS EPOXY TYPE 2 (RIGHT, WHITE)
- (ST) PAVEMENT MARKING ARROWS EPOXY TYPE 2 (STRAIGHT, WHITE)
- (SLT) PAVEMENT MARKING ARROWS EPOXY TYPE 3 (STRAIGHT/LEFT, WHITE)
- (SRT) PAVEMENT MARKING ARROWS EPOXY TYPE 3 (STRAIGHT/RIGHT, WHITE)
- (W) PAVEMENT MARKING WORDS EPOXY ("ONLY", WHITE)

*PAVEMENT MARKING CURB EPOXY
**PAVEMENT MARKING ISLAND NOSE EPOXY

PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	PAVEMENT MARKING	SHEET 89	E

FILE NAME : P:\2014\2014.068 - WISDOT NC - USH 45, VILAS\CAD\1601172\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - SHEET - (20)
PLOT DATE : 4/19/2017 5:38 PM PLOT BY : CHAD D. GRUNDEMANN PLOT NAME : PLOT SCALE : **********
WISDOT/CADDS SHEET 44

2



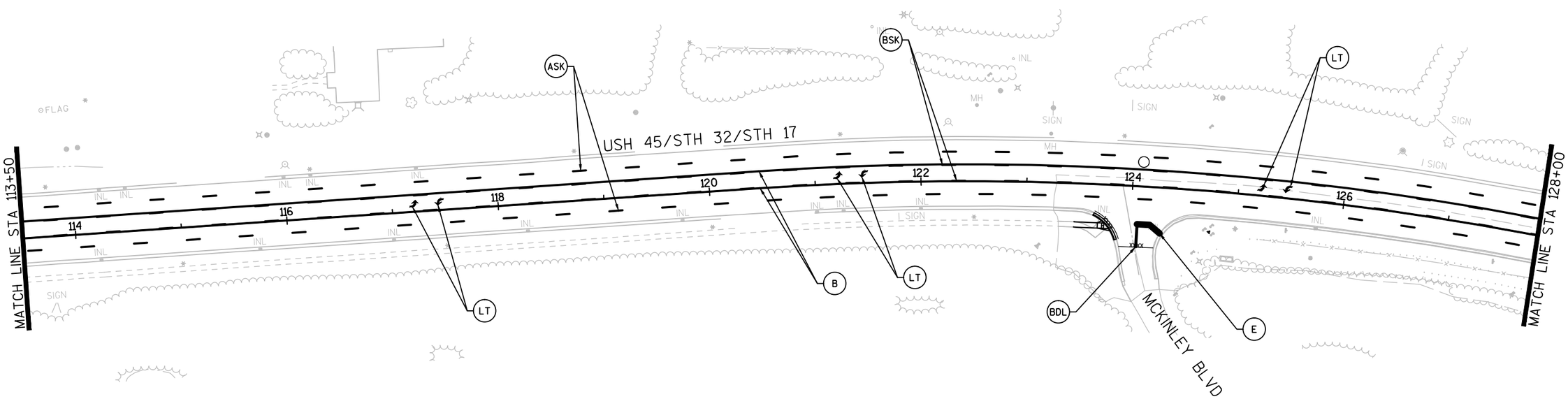
PAVEMENT MARKING LEGEND

- (A) PAVEMENT MARKING EPOXY 4-INCH (WHITE)
- (ASK) PAVEMENT MARKING EPOXY 4-INCH (SKIP, WHITE)
- (B) PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
- (BDL) PAVEMENT MARKING EPOXY 4-INCH (DOUBLE SOLID, YELLOW)
- (BSK) PAVEMENT MARKING EPOXY 4-INCH (SKIP, YELLOW)
- (C) PAVEMENT MARKING CROSSWALK EPOXY 6-INCH (WHITE)
- (D) PAVEMENT MARKING EPOXY 8-INCH (CHANNELIZING, WHITE)
- (E) PAVEMENT MARKING STOP LINE EPOXY 18-INCH (WHITE)
- (F12) PAVEMENT MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
- (LT) PAVEMENT MARKING ARROWS EPOXY TYPE 2 (LEFT, WHITE)
- (RT) PAVEMENT MARKING ARROWS EPOXY TYPE 2 (RIGHT, WHITE)
- (ST) PAVEMENT MARKING ARROWS EPOXY TYPE 2 (STRAIGHT, WHITE)
- (SLT) PAVEMENT MARKING ARROWS EPOXY TYPE 3 (STRAIGHT/LEFT, WHITE)
- (SRT) PAVEMENT MARKING ARROWS EPOXY TYPE 3 (STRAIGHT/RIGHT, WHITE)
- (W) PAVEMENT MARKING WORDS EPOXY ("ONLY", WHITE)

*PAVEMENT MARKING CURB EPOXY

**PAVEMENT MARKING ISLAND NOSE EPOXY

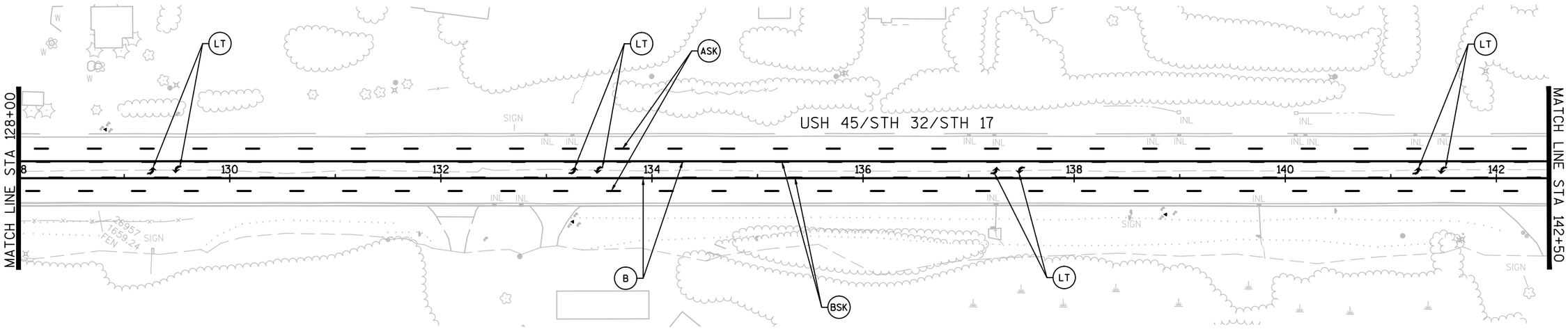
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PAVEMENT MARKING LEGEND

- (A) PAVEMENT MARKING EPOXY 4-INCH (WHITE)
- (ASK) PAVEMENT MARKING EPOXY 4-INCH (SKIP, WHITE)
- (B) PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
- (BDL) PAVEMENT MARKING EPOXY 4-INCH (DOUBLE SOLID, YELLOW)
- (BSK) PAVEMENT MARKING EPOXY 4-INCH (SKIP, YELLOW)
- (C) PAVEMENT MARKING CROSSWALK EPOXY 6-INCH (WHITE)
- (D) PAVEMENT MARKING EPOXY 8-INCH (CHANNELIZING, WHITE)
- (E) PAVEMENT MARKING STOP LINE EPOXY 18-INCH (WHITE)
- (F12) PAVEMENT MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
- (LT) PAVEMENT MARKING ARROWS EPOXY TYPE 2 (LEFT, WHITE)
- (RT) PAVEMENT MARKING ARROWS EPOXY TYPE 2 (RIGHT, WHITE)
- (ST) PAVEMENT MARKING ARROWS EPOXY TYPE 2 (STRAIGHT, WHITE)
- (SLT) PAVEMENT MARKING ARROWS EPOXY TYPE 3 (STRAIGHT/LEFT, WHITE)
- (SRT) PAVEMENT MARKING ARROWS EPOXY TYPE 3 (STRAIGHT/RIGHT, WHITE)
- (W) PAVEMENT MARKING WORDS EPOXY ("ONLY", WHITE)

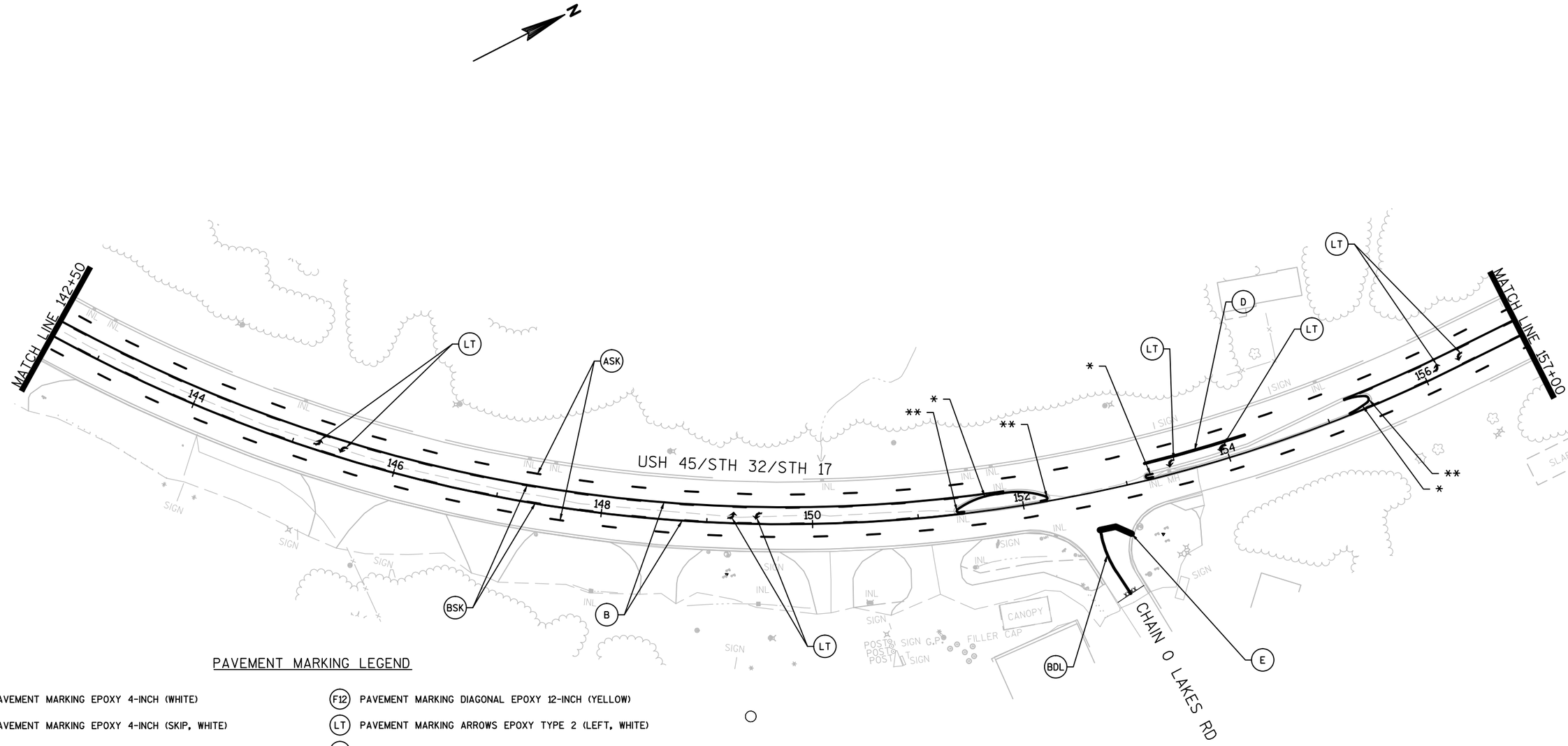
2



PAVEMENT MARKING LEGEND

- (A) PAVEMENT MARKING EPOXY 4-INCH (WHITE)
- (ASK) PAVEMENT MARKING EPOXY 4-INCH (SKIP, WHITE)
- (B) PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
- (BDL) PAVEMENT MARKING EPOXY 4-INCH (DOUBLE SOLID, YELLOW)
- (BSK) PAVEMENT MARKING EPOXY 4-INCH (SKIP, YELLOW)
- (C) PAVEMENT MARKING CROSSWALK EPOXY 6-INCH (WHITE)
- (D) PAVEMENT MARKING EPOXY 8-INCH (CHANNELIZING, WHITE)
- (E) PAVEMENT MARKING STOP LINE EPOXY 18-INCH (WHITE)
- (F12) PAVEMENT MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
- (LT) PAVEMENT MARKING ARROWS EPOXY TYPE 2 (LEFT, WHITE)
- (RT) PAVEMENT MARKING ARROWS EPOXY TYPE 2 (RIGHT, WHITE)
- (ST) PAVEMENT MARKING ARROWS EPOXY TYPE 2 (STRAIGHT, WHITE)
- (SLT) PAVEMENT MARKING ARROWS EPOXY TYPE 3 (STRAIGHT/LEFT, WHITE)
- (SRT) PAVEMENT MARKING ARROWS EPOXY TYPE 3 (STRAIGHT/RIGHT, WHITE)
- (W) PAVEMENT MARKING WORDS EPOXY ("ONLY", WHITE)

2



PAVEMENT MARKING LEGEND

- (A) PAVEMENT MARKING EPOXY 4-INCH (WHITE)
- (ASK) PAVEMENT MARKING EPOXY 4-INCH (SKIP, WHITE)
- (B) PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
- (BDL) PAVEMENT MARKING EPOXY 4-INCH (DOUBLE SOLID, YELLOW)
- (BSK) PAVEMENT MARKING EPOXY 4-INCH (SKIP, YELLOW)
- (C) PAVEMENT MARKING CROSSWALK EPOXY 6-INCH (WHITE)
- (D) PAVEMENT MARKING EPOXY 8-INCH (CHANNELIZING, WHITE)
- (E) PAVEMENT MARKING STOP LINE EPOXY 18-INCH (WHITE)
- (F12) PAVEMENT MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
- (LT) PAVEMENT MARKING ARROWS EPOXY TYPE 2 (LEFT, WHITE)
- (RT) PAVEMENT MARKING ARROWS EPOXY TYPE 2 (RIGHT, WHITE)
- (ST) PAVEMENT MARKING ARROWS EPOXY TYPE 2 (STRAIGHT, WHITE)
- (SLT) PAVEMENT MARKING ARROWS EPOXY TYPE 3 (STRAIGHT/LEFT, WHITE)
- (SRT) PAVEMENT MARKING ARROWS EPOXY TYPE 3 (STRAIGHT/RIGHT, WHITE)
- (W) PAVEMENT MARKING WORDS EPOXY ("ONLY", WHITE)

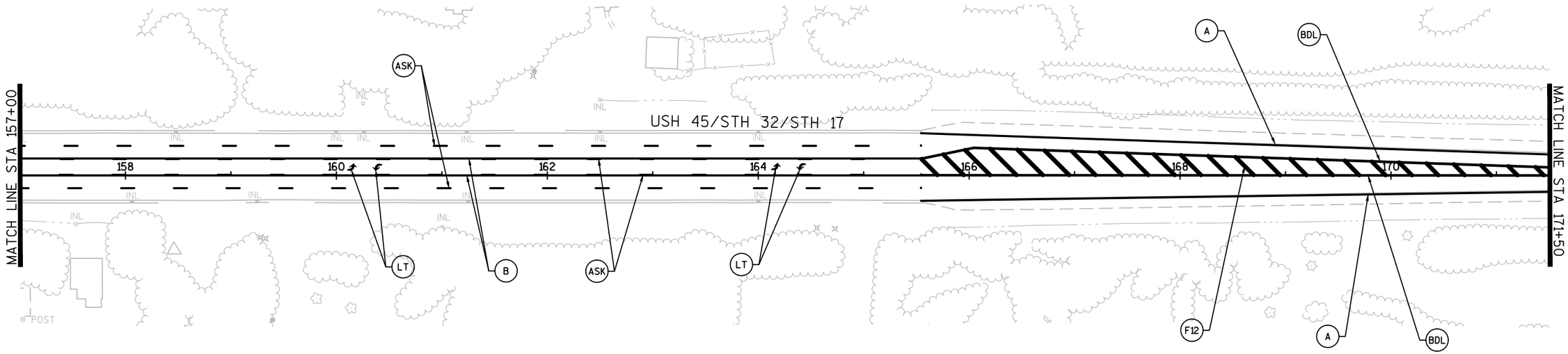
*PAVEMENT MARKING CURB EPOXY

**PAVEMENT MARKING ISLAND NOSE EPOXY

PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	PAVEMENT MARKING	SHEET 93	E

FILE NAME : P:\2014\2014.068 - WISDOT NC - USH 45, VILAS\CAD\16011472\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - SHEET - (24)
PLOT DATE : 4/19/2017 5:39 PM PLOT BY : CHAD D. GRUNDEMANN PLOT NAME : PLOT SCALE : **********
WISDOT/CADDS SHEET 44

2

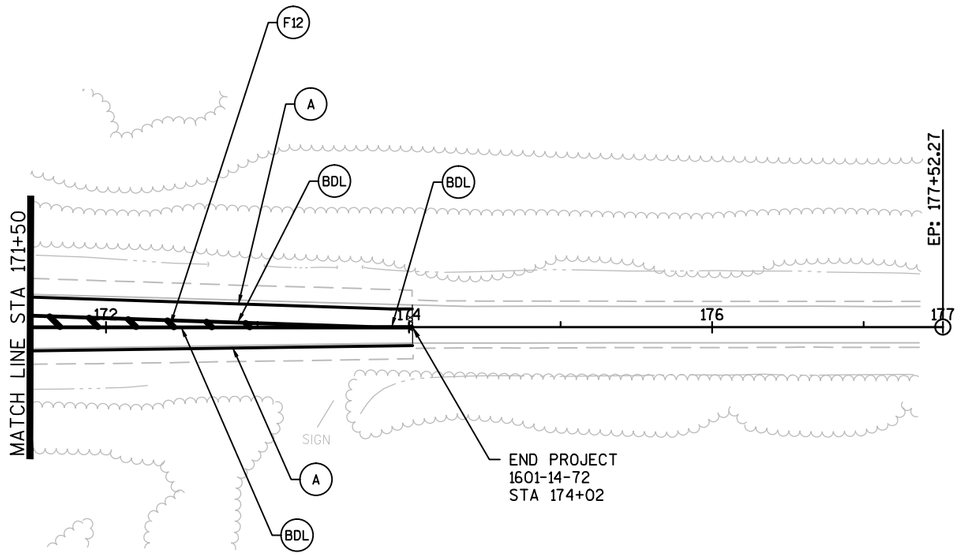


PAVEMENT MARKING LEGEND

- (A) PAVEMENT MARKING EPOXY 4-INCH (WHITE)
- (ASK) PAVEMENT MARKING EPOXY 4-INCH (SKIP, WHITE)
- (B) PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
- (BDL) PAVEMENT MARKING EPOXY 4-INCH (DOUBLE SOLID, YELLOW)
- (BSK) PAVEMENT MARKING EPOXY 4-INCH (SKIP, YELLOW)
- (C) PAVEMENT MARKING CROSSWALK EPOXY 6-INCH (WHITE)
- (D) PAVEMENT MARKING EPOXY 8-INCH (CHANNELIZING, WHITE)
- (E) PAVEMENT MARKING STOP LINE EPOXY 18-INCH (WHITE)
- (F12) PAVEMENT MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
- (LT) PAVEMENT MARKING ARROWS EPOXY TYPE 2 (LEFT, WHITE)
- (RT) PAVEMENT MARKING ARROWS EPOXY TYPE 2 (RIGHT, WHITE)
- (ST) PAVEMENT MARKING ARROWS EPOXY TYPE 2 (STRAIGHT, WHITE)
- (SLT) PAVEMENT MARKING ARROWS EPOXY TYPE 3 (STRAIGHT/LEFT, WHITE)
- (SRT) PAVEMENT MARKING ARROWS EPOXY TYPE 3 (STRAIGHT/RIGHT, WHITE)
- (W) PAVEMENT MARKING WORDS EPOXY ("ONLY", WHITE)

2

N

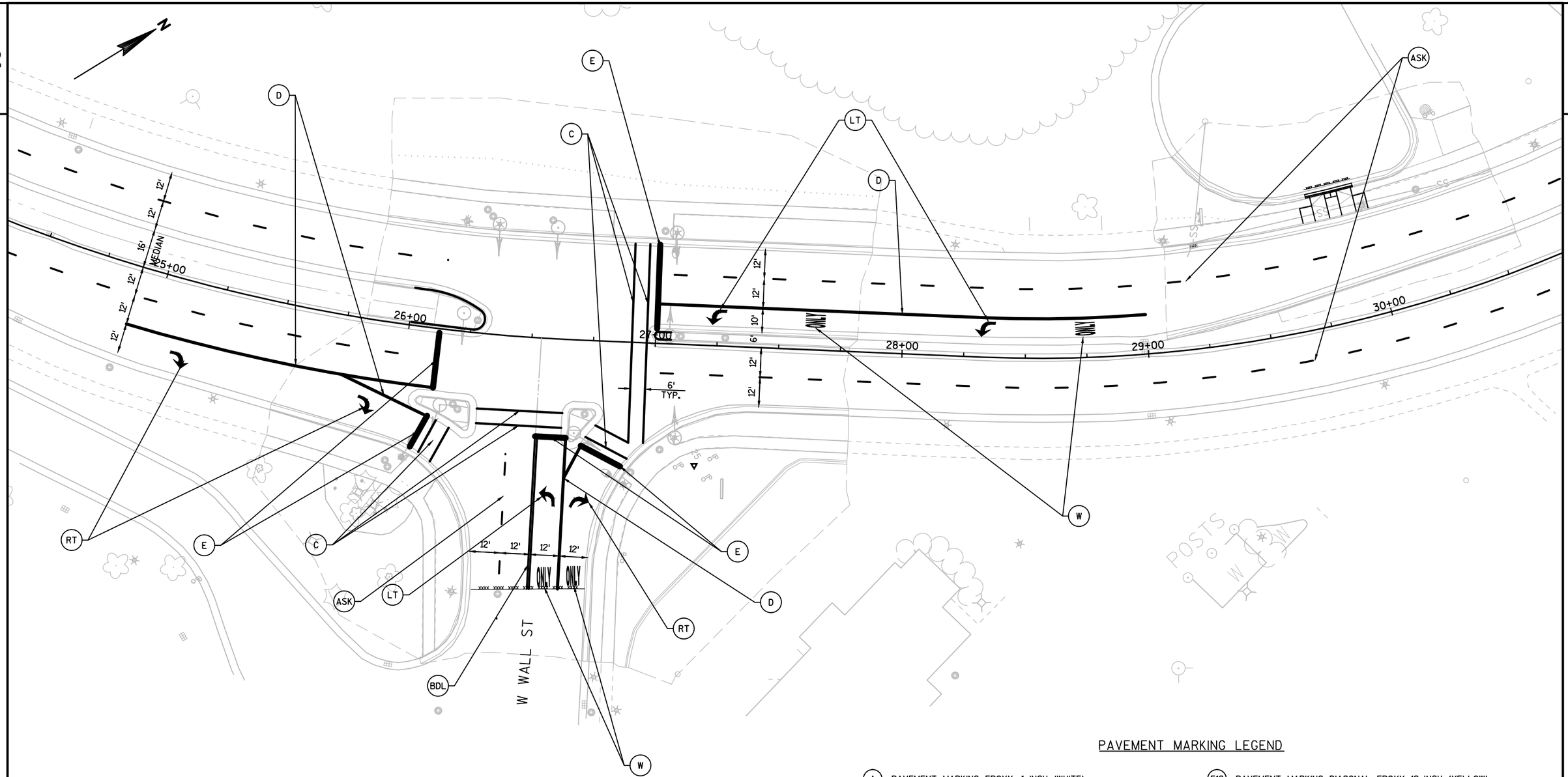


PAVEMENT MARKING LEGEND

- (A) PAVEMENT MARKING EPOXY 4-INCH (WHITE)
- (ASK) PAVEMENT MARKING EPOXY 4-INCH (SKIP, WHITE)
- (B) PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
- (BDL) PAVEMENT MARKING EPOXY 4-INCH (DOUBLE SOLID, YELLOW)
- (BSK) PAVEMENT MARKING EPOXY 4-INCH (SKIP, YELLOW)
- (C) PAVEMENT MARKING CROSSWALK EPOXY 6-INCH (WHITE)
- (D) PAVEMENT MARKING EPOXY 8-INCH (CHANNELIZING, WHITE)
- (E) PAVEMENT MARKING STOP LINE EPOXY 18-INCH (WHITE)
- (F12) PAVEMENT MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
- (LT) PAVEMENT MARKING ARROWS EPOXY TYPE 2 (LEFT, WHITE)
- (RT) PAVEMENT MARKING ARROWS EPOXY TYPE 2 (RIGHT, WHITE)
- (ST) PAVEMENT MARKING ARROWS EPOXY TYPE 2 (STRAIGHT, WHITE)
- (SLT) PAVEMENT MARKING ARROWS EPOXY TYPE 3 (STRAIGHT/LEFT, WHITE)
- (SRT) PAVEMENT MARKING ARROWS EPOXY TYPE 3 (STRAIGHT/RIGHT, WHITE)
- (W) PAVEMENT MARKING WORDS EPOXY ("ONLY", WHITE)

FILE NAME : P:\2014\2014.068 - WISDOT NC - USH 45, VILAS\CAD\16011472\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - SHEET - (26)
PLOT DATE : 4/17/2017 12:49 PM PLOT BY : DANIEL J. GERLING PLOT NAME : PLOT SCALE : **********
WISDOT/CADDS SHEET 44

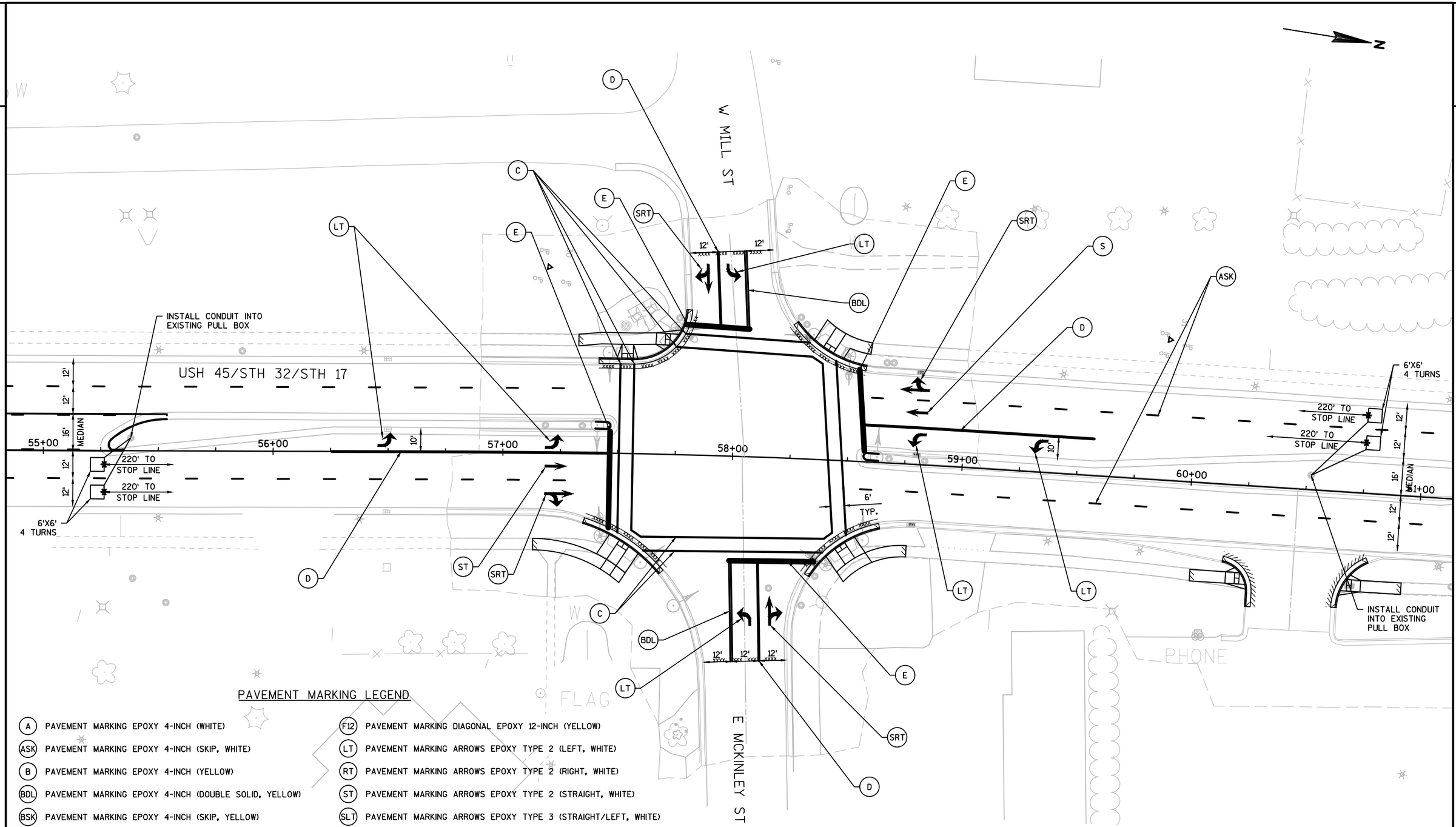
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PAVEMENT MARKING LEGEND

A	PAVEMENT MARKING EPOXY 4-INCH (WHITE)	F12	PAVEMENT MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
ASK	PAVEMENT MARKING EPOXY 4-INCH (SKIP, WHITE)	LT	PAVEMENT MARKING ARROWS EPOXY TYPE 2 (LEFT, WHITE)
B	PAVEMENT MARKING EPOXY 4-INCH (YELLOW)	RT	PAVEMENT MARKING ARROWS EPOXY TYPE 2 (RIGHT, WHITE)
BDL	PAVEMENT MARKING EPOXY 4-INCH (DOUBLE SOLID, YELLOW)	ST	PAVEMENT MARKING ARROWS EPOXY TYPE 2 (STRAIGHT, WHITE)
BSK	PAVEMENT MARKING EPOXY 4-INCH (SKIP, YELLOW)	SLT	PAVEMENT MARKING ARROWS EPOXY TYPE 3 (STRAIGHT/LEFT, WHITE)
C	PAVEMENT MARKING CROSSWALK EPOXY 6-INCH (WHITE)	SRT	PAVEMENT MARKING ARROWS EPOXY TYPE 3 (STRAIGHT/RIGHT, WHITE)
D	PAVEMENT MARKING EPOXY 8-INCH (CHANNELIZING, WHITE)	W	PAVEMENT MARKING WORDS EPOXY ("ONLY", WHITE)
E	PAVEMENT MARKING STOP LINE EPOXY 18-INCH (WHITE)		

2



PAVEMENT MARKING LEGEND

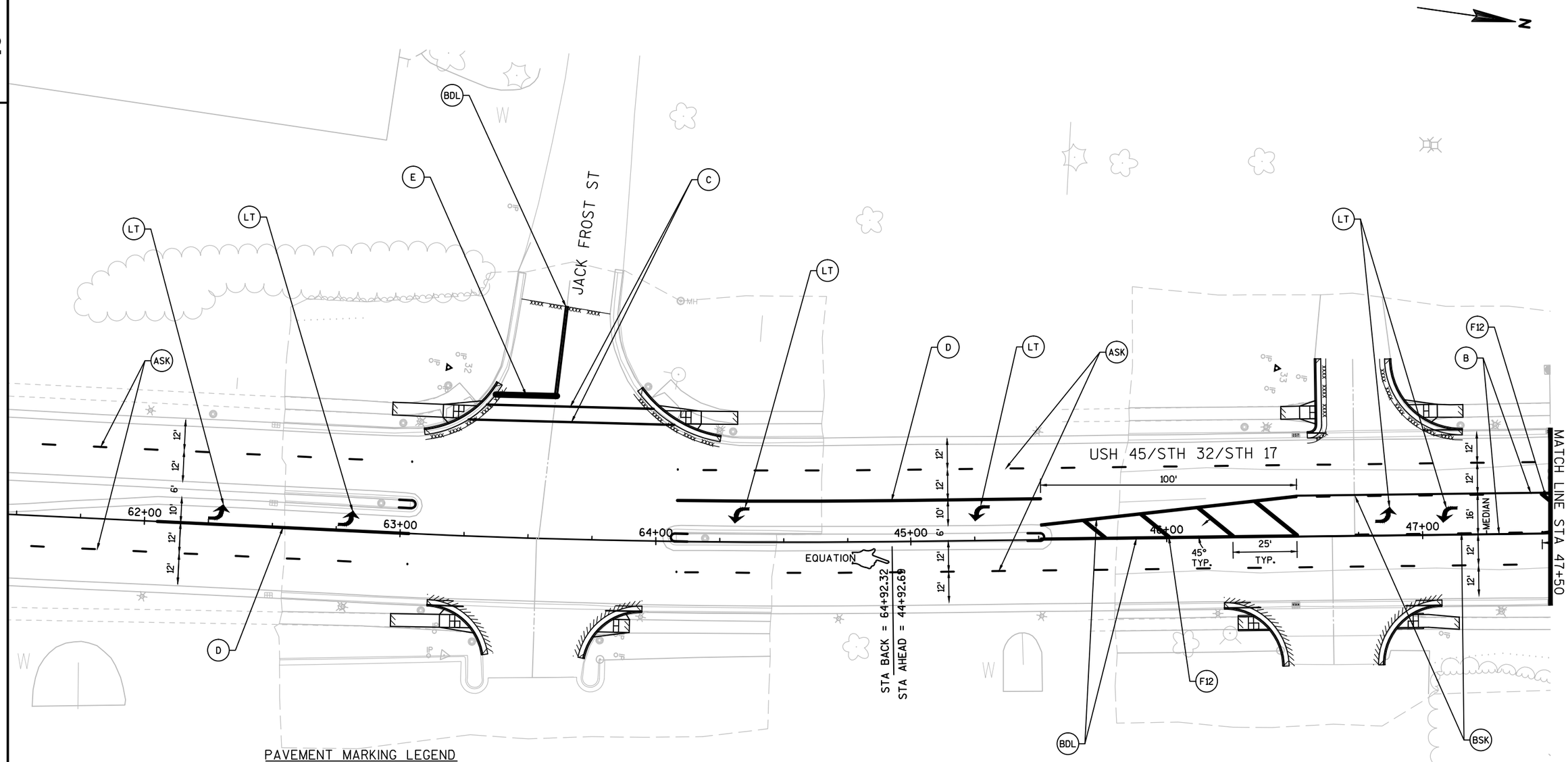
- (A) PAVEMENT MARKING EPOXY 4-INCH (WHITE)
- (ASK) PAVEMENT MARKING EPOXY 4-INCH (SKIP, WHITE)
- (B) PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
- (BDL) PAVEMENT MARKING EPOXY 4-INCH (DOUBLE SOLID, YELLOW)
- (BSK) PAVEMENT MARKING EPOXY 4-INCH (SKIP, YELLOW)
- (C) PAVEMENT MARKING CROSSWALK EPOXY 6-INCH (WHITE)
- (D) PAVEMENT MARKING EPOXY 8-INCH (CHANNELIZING, WHITE)
- (E) PAVEMENT MARKING STOP LINE EPOXY 18-INCH (WHITE)
- (F12) PAVEMENT MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
- (LT) PAVEMENT MARKING ARROWS EPOXY TYPE 2 (LEFT, WHITE)
- (RT) PAVEMENT MARKING ARROWS EPOXY TYPE 2 (RIGHT, WHITE)
- (ST) PAVEMENT MARKING ARROWS EPOXY TYPE 2 (STRAIGHT, WHITE)
- (SLT) PAVEMENT MARKING ARROWS EPOXY TYPE 3 (STRAIGHT/LEFT, WHITE)
- (SRT) PAVEMENT MARKING ARROWS EPOXY TYPE 3 (STRAIGHT/RIGHT, WHITE)
- (W) PAVEMENT MARKING WORDS EPOXY ("ONLY", WHITE)

NOTE:
EXISTING PULL BOXES AND LOOP DETECTORS SHOWN AS NECESSARY FOR SPACING AND CONNECTION OF PROPOSED LOOP DETECTORS. OTHER EXISTING LOOP DETECTORS, CONDUITS, AND PULL BOXES EXIST WITHIN THE PROJECT LIMITS THAT ARE NOT SHOWN ON THE PLANS.

PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	PAVEMENT MARKING DETAILS	SHEET 97	E

FILE NAME : P:\2014\2014.068 - WISDOT NC - USH 45, VILAS\CAD\16011472\SHEETSPLAN\024502-PM.DWG
LAYOUT NAME - SHEET - (14)
PLOT DATE : 4/19/2017 5:45 PM PLOT BY : CHAD D. GRUNDEMANN PLOT NAME : PLOT SCALE : **********

2



PAVEMENT MARKING LEGEND

- (A) PAVEMENT MARKING EPOXY 4-INCH (WHITE)
- (ASK) PAVEMENT MARKING EPOXY 4-INCH (SKIP, WHITE)
- (B) PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
- (BDL) PAVEMENT MARKING EPOXY 4-INCH (DOUBLE SOLID, YELLOW)
- (BSK) PAVEMENT MARKING EPOXY 4-INCH (SKIP, YELLOW)
- (C) PAVEMENT MARKING CROSSWALK EPOXY 6-INCH (WHITE)
- (D) PAVEMENT MARKING EPOXY 8-INCH (CHANNELIZING, WHITE)
- (E) PAVEMENT MARKING STOP LINE EPOXY 18-INCH (WHITE)
- (F12) PAVEMENT MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
- (LT) PAVEMENT MARKING ARROWS EPOXY TYPE 2 (LEFT, WHITE)
- (RT) PAVEMENT MARKING ARROWS EPOXY TYPE 2 (RIGHT, WHITE)
- (ST) PAVEMENT MARKING ARROWS EPOXY TYPE 2 (STRAIGHT, WHITE)
- (SLT) PAVEMENT MARKING ARROWS EPOXY TYPE 3 (STRAIGHT/LEFT, WHITE)
- (SRT) PAVEMENT MARKING ARROWS EPOXY TYPE 3 (STRAIGHT/RIGHT, WHITE)
- (W) PAVEMENT MARKING WORDS EPOXY ("ONLY", WHITE)

NOTE:
EXISTING PULL BOXES AND LOOP DETECTORS SHOWN AS NECESSARY FOR SPACING AND CONNECTION OF PROPOSED LOOP DETECTORS. OTHER EXISTING LOOP DETECTORS, CONDUITS, AND PULL BOXES EXIST WITHIN THE PROJECT LIMITS THAT ARE NOT SHOWN ON THE PLANS.

PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	PAVEMENT MARKING DETAILS	SHEET 98	E

FILE NAME : P:\2014\2014.068 - WISDOT NC - USH 45, VILAS\CAD\16011472\SHEETSPLAN\024502-PM.DWG
LAYOUT NAME - SHEET - (14)
PLOT DATE : 4/19/2017 5:46 PM PLOT BY : CHAD D. GRUNDEMANN PLOT NAME : PLOT SCALE : **********
WISDOT/CADDS SHEET 44

2

N

N BLUEBIRD RD

E HOSPITAL RD

USH 45/STH 32/STH 17

FLAG

MATCH LINE STA 47+50

48+00

49+00

50+00

51+00

52+00

53+00

100'

25' TYP.

45° TYP.

6' TYP.

12'

10'

8'

16' MEDIAN

6'X20' 3 TURNS

6'X6' 4 TURNS

220' TO STOP LINE

PB12A

PB5A

PULL BOX STEEL 12X24-INCH CONNECT TO EXISTING CONDUIT

INSTALL CONDUIT INTO EXISTING PULL BOX

BDL

F12

LT

RT

SLT

ASK

C

D

E

NOTE:
EXISTING PULL BOXES AND LOOP DETECTORS SHOWN AS NECESSARY FOR SPACING AND CONNECTION OF PROPOSED LOOP DETECTORS. OTHER EXISTING LOOP DETECTORS, CONDUITS, AND PULL BOXES EXIST WITHIN THE PROJECT LIMITS THAT ARE NOT SHOWN ON THE PLANS.

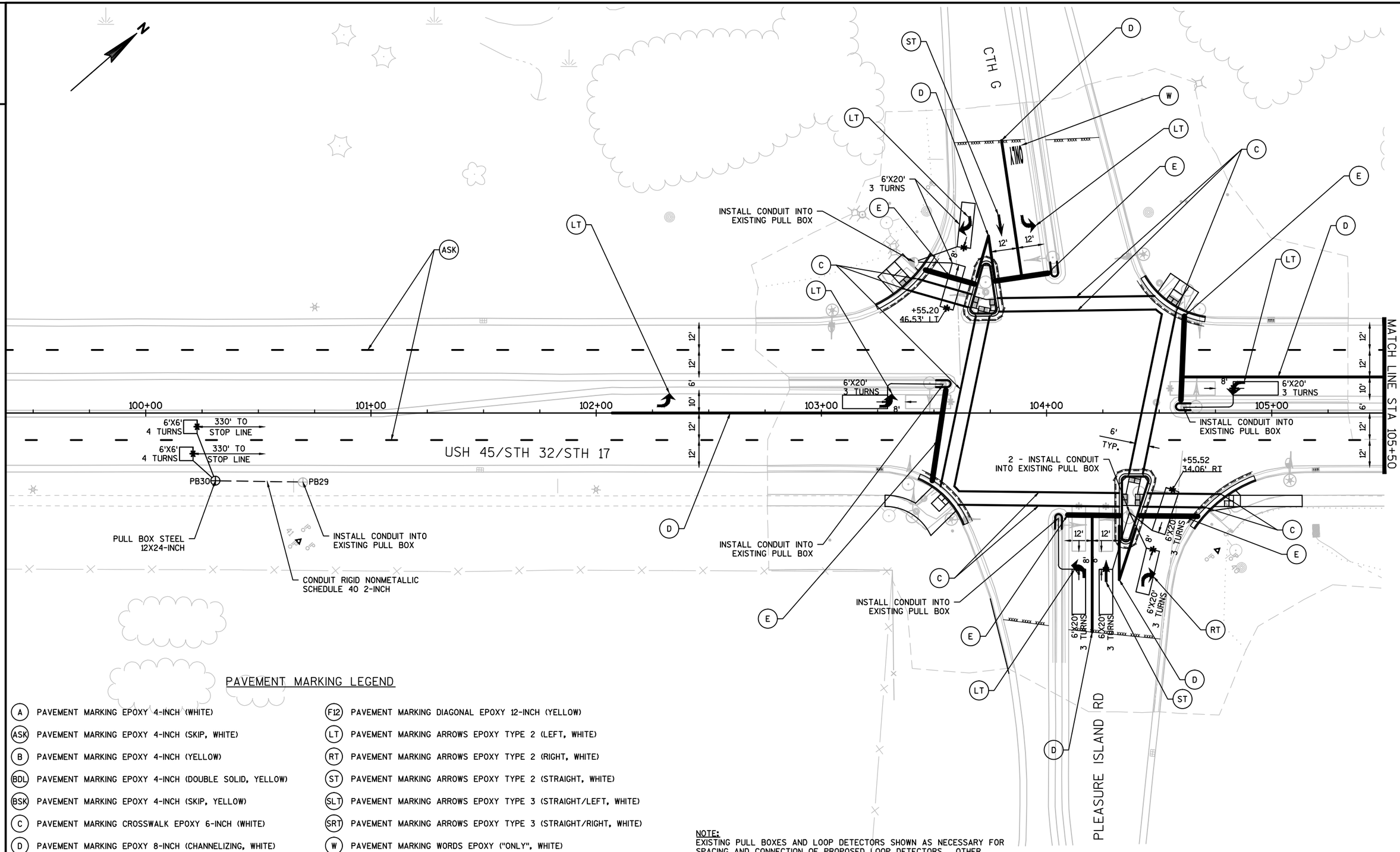
PAVEMENT MARKING LEGEND

A	PAVEMENT MARKING EPOXY 4-INCH (WHITE)	F12	PAVEMENT MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
ASK	PAVEMENT MARKING EPOXY 4-INCH (SKIP, WHITE)	LT	PAVEMENT MARKING ARROWS EPOXY TYPE 2 (LEFT, WHITE)
B	PAVEMENT MARKING EPOXY 4-INCH (YELLOW)	RT	PAVEMENT MARKING ARROWS EPOXY TYPE 2 (RIGHT, WHITE)
BDL	PAVEMENT MARKING EPOXY 4-INCH (DOUBLE SOLID, YELLOW)	ST	PAVEMENT MARKING ARROWS EPOXY TYPE 2 (STRAIGHT, WHITE)
BSK	PAVEMENT MARKING EPOXY 4-INCH (SKIP, YELLOW)	SLT	PAVEMENT MARKING ARROWS EPOXY TYPE 3 (STRAIGHT/LEFT, WHITE)
C	PAVEMENT MARKING CROSSWALK EPOXY 6-INCH (WHITE)	SRT	PAVEMENT MARKING ARROWS EPOXY TYPE 3 (STRAIGHT/RIGHT, WHITE)
D	PAVEMENT MARKING EPOXY 8-INCH (CHANNELIZING, WHITE)	W	PAVEMENT MARKING WORDS EPOXY ("ONLY", WHITE)
E	PAVEMENT MARKING STOP LINE EPOXY 18-INCH (WHITE)		

PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	PAVEMENT MARKING DETAILS	SHEET 99	E

FILE NAME : P:\2014\2014.068 - WISDOT NC - USH 45, VILAS\CAD\16011472\SHEETSPLAN\024502-PM.DWG
LAYOUT NAME - SHEET - (14)
PLOT DATE : 4/19/2017 5:47 PM PLOT BY : CHAD D. GRUNDEMANN PLOT NAME : PLOT SCALE : **********
WISDOT/CADDS SHEET 44

2



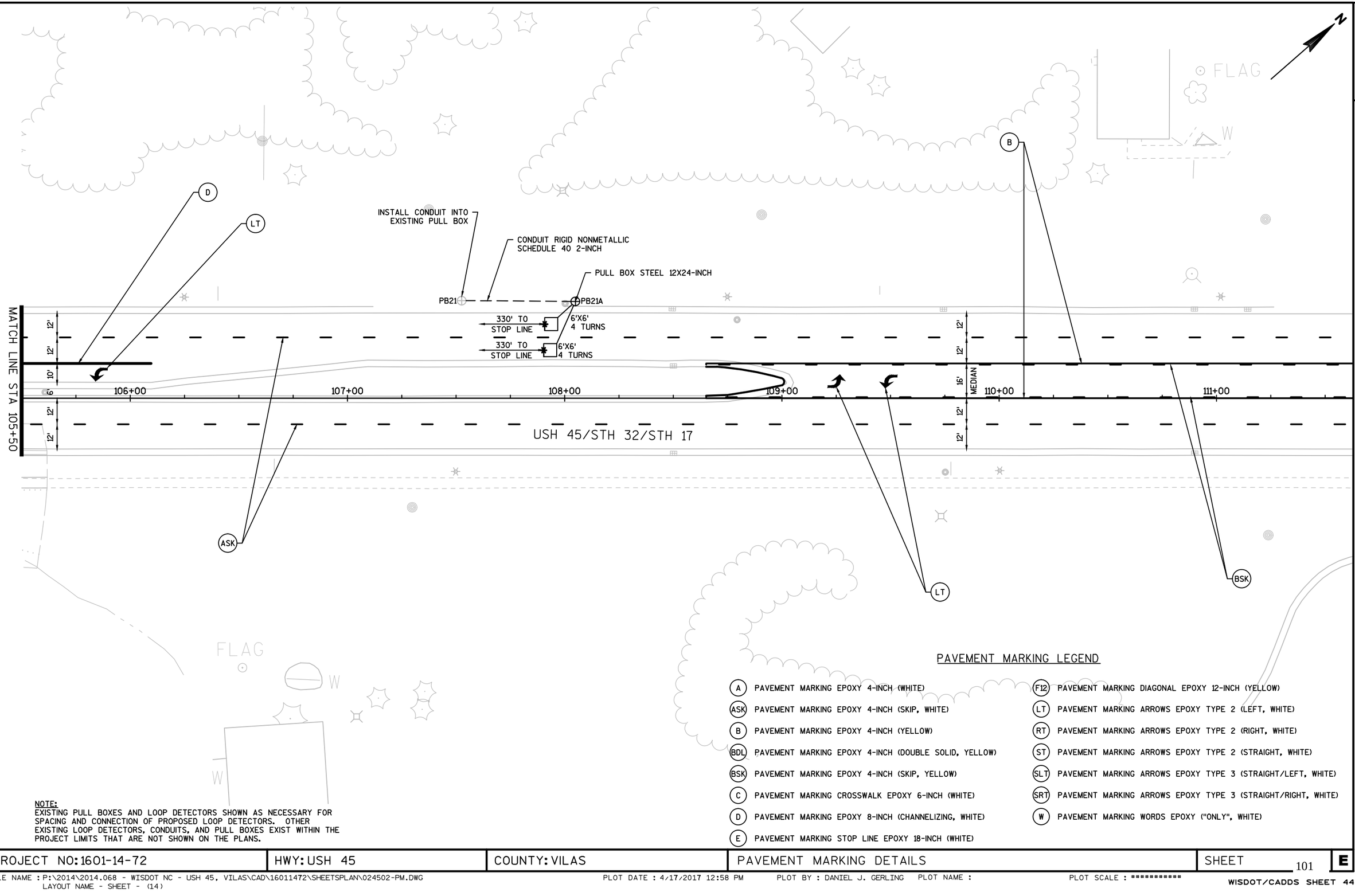
PAVEMENT MARKING LEGEND

- (A) PAVEMENT MARKING EPOXY 4-INCH (WHITE)
- (ASK) PAVEMENT MARKING EPOXY 4-INCH (SKIP, WHITE)
- (B) PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
- (BDL) PAVEMENT MARKING EPOXY 4-INCH (DOUBLE SOLID, YELLOW)
- (BSK) PAVEMENT MARKING EPOXY 4-INCH (SKIP, YELLOW)
- (C) PAVEMENT MARKING CROSSWALK EPOXY 6-INCH (WHITE)
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- (SLT) PAVEMENT MARKING ARROWS EPOXY TYPE 3 (STRAIGHT/LEFT, WHITE)
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- (W) PAVEMENT MARKING WORDS EPOXY ("ONLY", WHITE)

NOTE:
EXISTING PULL BOXES AND LOOP DETECTORS SHOWN AS NECESSARY FOR SPACING AND CONNECTION OF PROPOSED LOOP DETECTORS. OTHER EXISTING LOOP DETECTORS, CONDUITS, AND PULL BOXES EXIST WITHIN THE PROJECT LIMITS THAT ARE NOT SHOWN ON THE PLANS.

PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	PAVEMENT MARKING DETAILS	SHEET 100	E

2



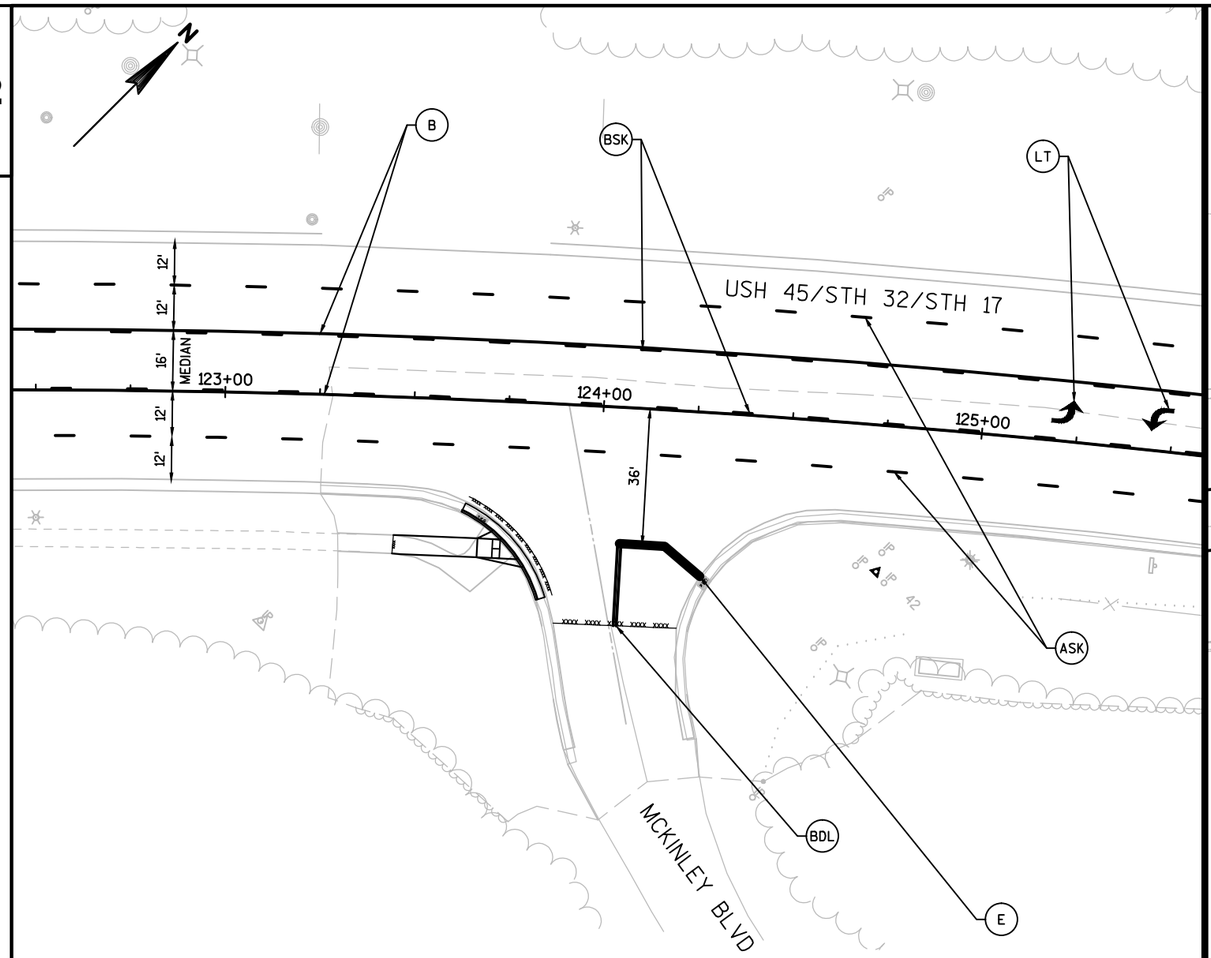
NOTE:
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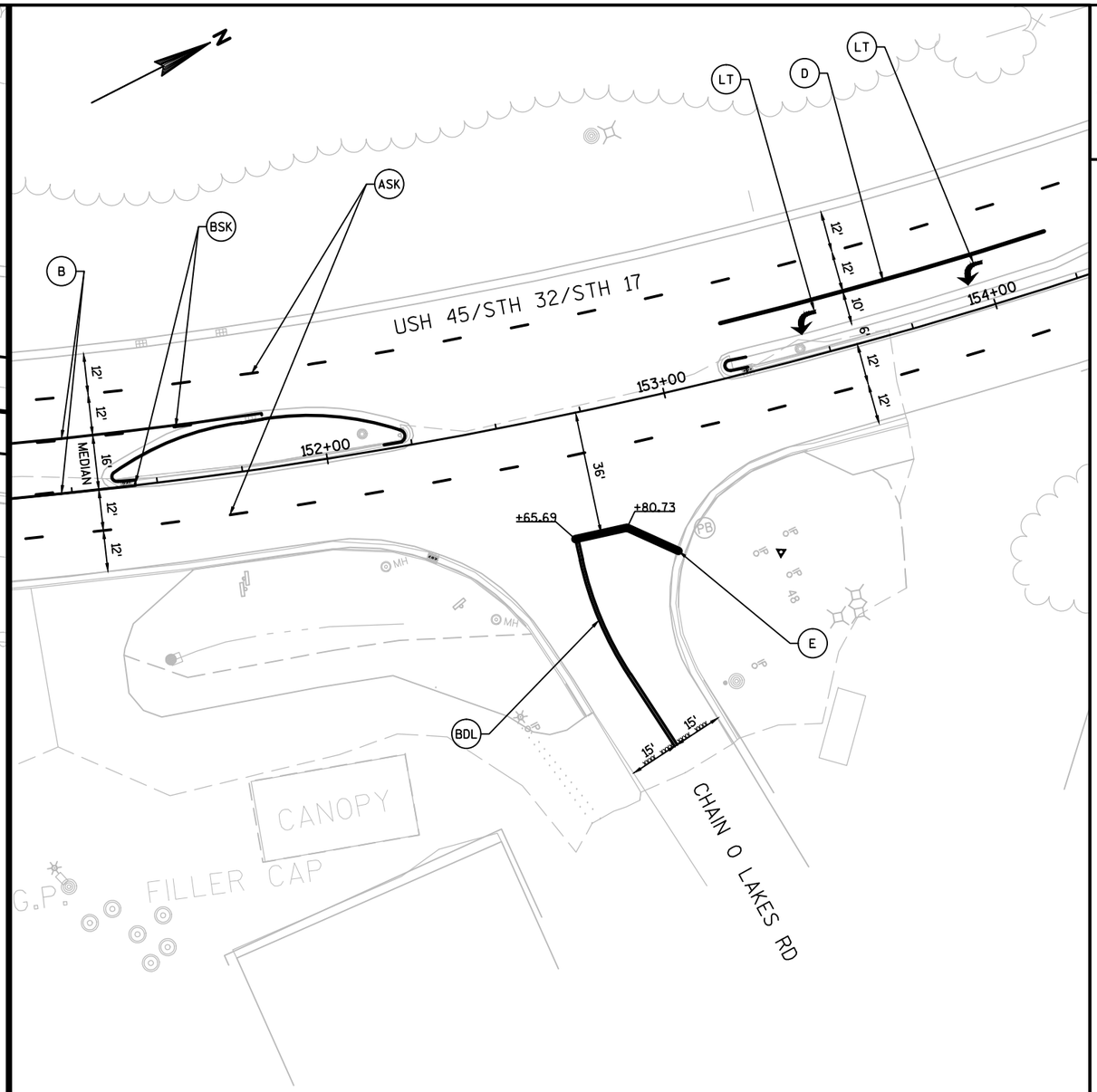
PAVEMENT MARKING LEGEND

A	PAVEMENT MARKING EPOXY 4-INCH (WHITE)	F12	PAVEMENT MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
ASK	PAVEMENT MARKING EPOXY 4-INCH (SKIP, WHITE)	LT	PAVEMENT MARKING ARROWS EPOXY TYPE 2 (LEFT, WHITE)
B	PAVEMENT MARKING EPOXY 4-INCH (YELLOW)	RT	PAVEMENT MARKING ARROWS EPOXY TYPE 2 (RIGHT, WHITE)
BDL	PAVEMENT MARKING EPOXY 4-INCH (DOUBLE SOLID, YELLOW)	ST	PAVEMENT MARKING ARROWS EPOXY TYPE 2 (STRAIGHT, WHITE)
BSK	PAVEMENT MARKING EPOXY 4-INCH (SKIP, YELLOW)	SLT	PAVEMENT MARKING ARROWS EPOXY TYPE 3 (STRAIGHT/LEFT, WHITE)
C	PAVEMENT MARKING CROSSWALK EPOXY 6-INCH (WHITE)	SRT	PAVEMENT MARKING ARROWS EPOXY TYPE 3 (STRAIGHT/RIGHT, WHITE)
D	PAVEMENT MARKING EPOXY 8-INCH (CHANNELIZING, WHITE)	W	PAVEMENT MARKING WORDS EPOXY ("ONLY", WHITE)
E	PAVEMENT MARKING STOP LINE EPOXY 18-INCH (WHITE)		

PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	PAVEMENT MARKING DETAILS	SHEET 101	E

FILE NAME : P:\2014\2014.068 - WISDOT NC - USH 45, VILAS\CAD\16011472\SHEETSPLAN\024502-PM.DWG
LAYOUT NAME - SHEET - (14)
PLOT DATE : 4/17/2017 12:58 PM PLOT BY : DANIEL J. GERLING PLOT NAME : PLOT SCALE : **********

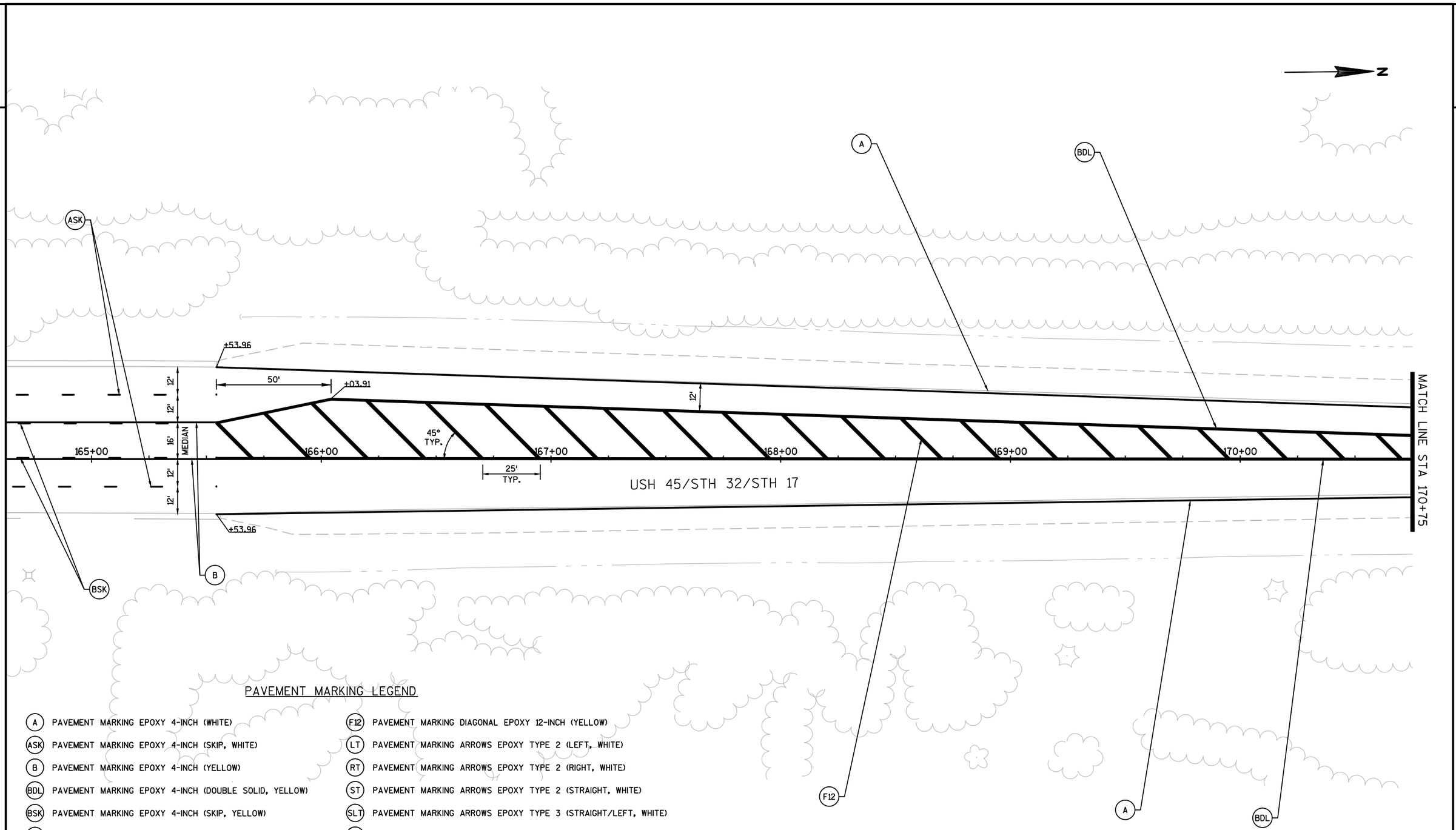




PAVEMENT MARKING LEGEND

- (A) PAVEMENT MARKING EPOXY 4-INCH (WHITE)
- (ASK) PAVEMENT MARKING EPOXY 4-INCH (SKIP, WHITE)
- (B) PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
- (BDL) PAVEMENT MARKING EPOXY 4-INCH (DOUBLE SOLID, YELLOW)
- (BSK) PAVEMENT MARKING EPOXY 4-INCH (SKIP, YELLOW)
- (C) PAVEMENT MARKING CROSSWALK EPOXY 6-INCH (WHITE)
- (D) PAVEMENT MARKING EPOXY 8-INCH (CHANNELIZING, WHITE)
- (E) PAVEMENT MARKING STOP LINE EPOXY 18-INCH (WHITE)
- (F12) PAVEMENT MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
- (LT) PAVEMENT MARKING ARROWS EPOXY TYPE 2 (LEFT, WHITE)
- (RT) PAVEMENT MARKING ARROWS EPOXY TYPE 2 (RIGHT, WHITE)
- (ST) PAVEMENT MARKING ARROWS EPOXY TYPE 2 (STRAIGHT, WHITE)
- (SLT) PAVEMENT MARKING ARROWS EPOXY TYPE 3 (STRAIGHT/LEFT, WHITE)
- (SRT) PAVEMENT MARKING ARROWS EPOXY TYPE 3 (STRAIGHT/RIGHT, WHITE)
- (W) PAVEMENT MARKING WORDS EPOXY ("ONLY", WHITE)

2

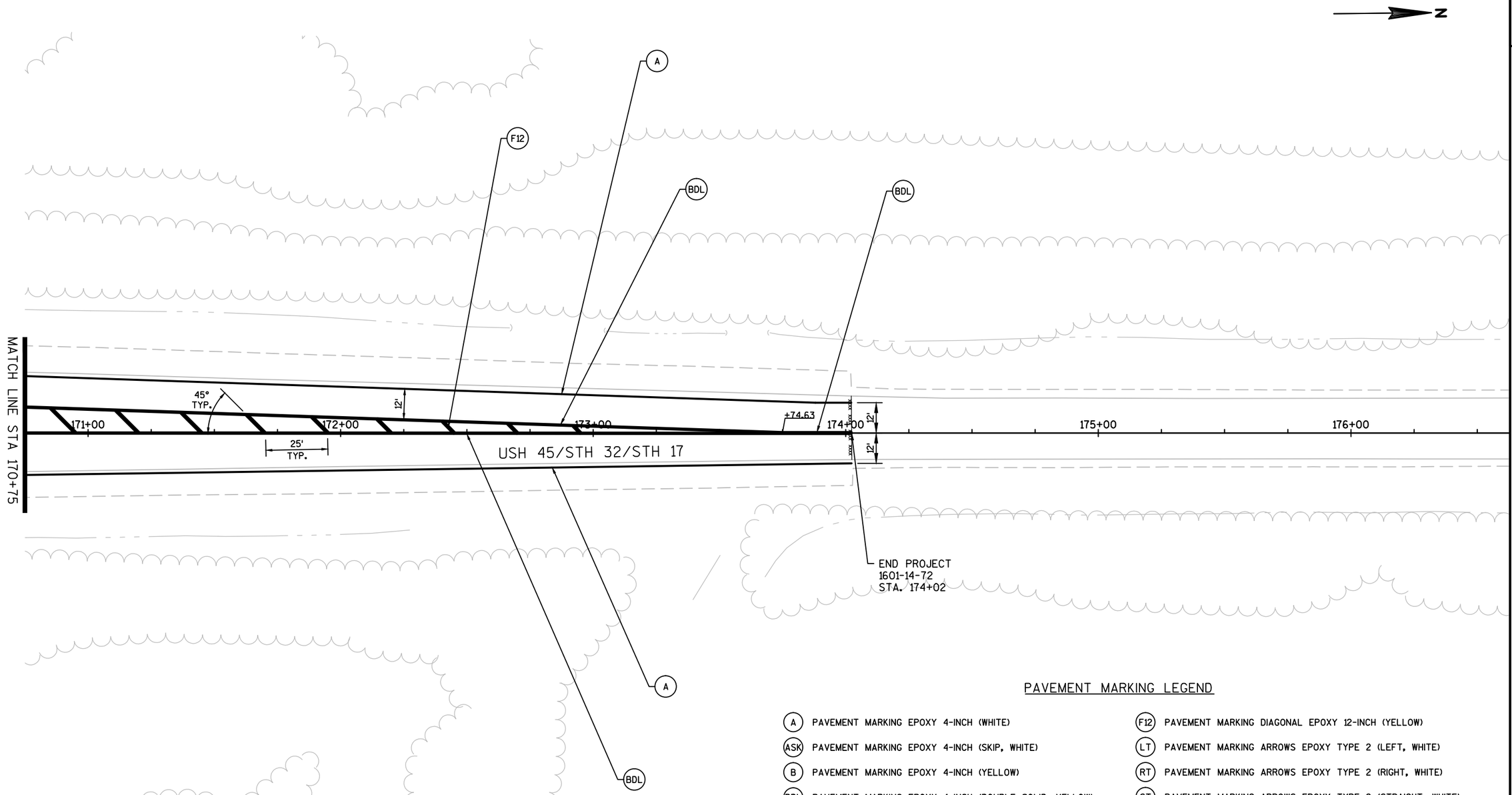


PAVEMENT MARKING LEGEND

- (A) PAVEMENT MARKING EPOXY 4-INCH (WHITE)
- (ASK) PAVEMENT MARKING EPOXY 4-INCH (SKIP, WHITE)
- (B) PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
- (BDL) PAVEMENT MARKING EPOXY 4-INCH (DOUBLE SOLID, YELLOW)
- (BSK) PAVEMENT MARKING EPOXY 4-INCH (SKIP, YELLOW)
- (C) PAVEMENT MARKING CROSSWALK EPOXY 6-INCH (WHITE)
- (D) PAVEMENT MARKING EPOXY 8-INCH (CHANNELIZING, WHITE)
- (E) PAVEMENT MARKING STOP LINE EPOXY 18-INCH (WHITE)
- (F12) PAVEMENT MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
- (LT) PAVEMENT MARKING ARROWS EPOXY TYPE 2 (LEFT, WHITE)
- (RT) PAVEMENT MARKING ARROWS EPOXY TYPE 2 (RIGHT, WHITE)
- (ST) PAVEMENT MARKING ARROWS EPOXY TYPE 2 (STRAIGHT, WHITE)
- (SLT) PAVEMENT MARKING ARROWS EPOXY TYPE 3 (STRAIGHT/LEFT, WHITE)
- (SRT) PAVEMENT MARKING ARROWS EPOXY TYPE 3 (STRAIGHT/RIGHT, WHITE)
- (W) PAVEMENT MARKING WORDS EPOXY ("ONLY", WHITE)

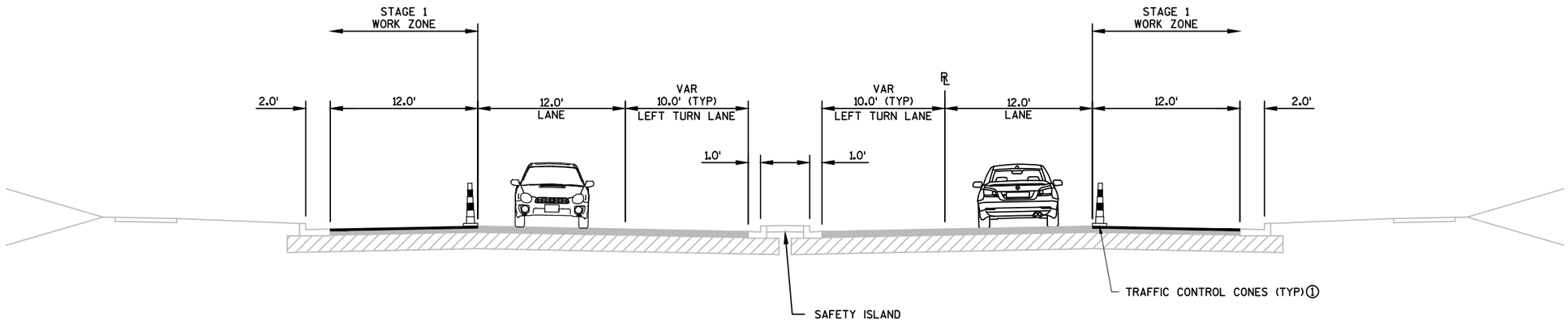
PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	PAVEMENT MARKING DETAILS	SHEET 103	E

2



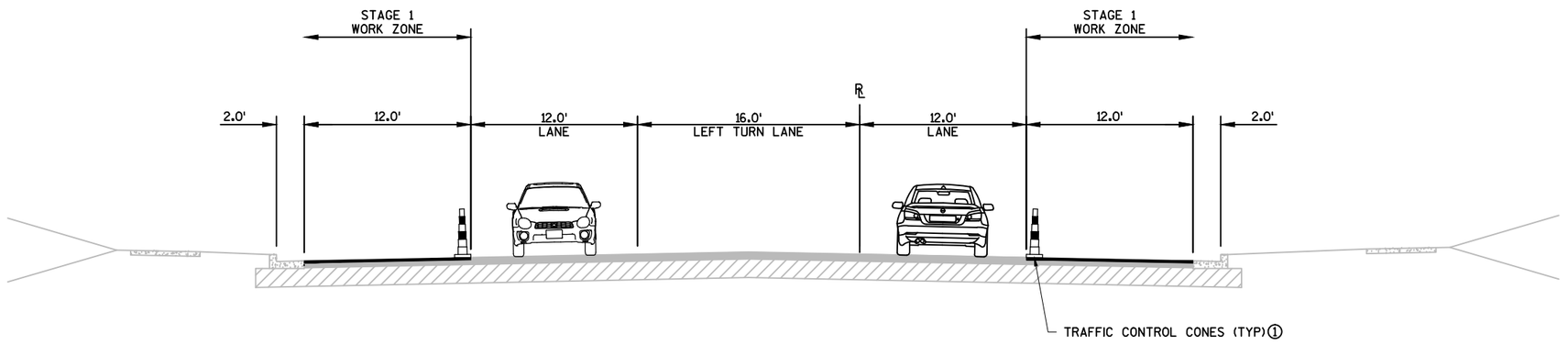
PAVEMENT MARKING LEGEND

- (A) PAVEMENT MARKING EPOXY 4-INCH (WHITE)
- (ASK) PAVEMENT MARKING EPOXY 4-INCH (SKIP, WHITE)
- (B) PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
- (BDL) PAVEMENT MARKING EPOXY 4-INCH (DOUBLE SOLID, YELLOW)
- (BSK) PAVEMENT MARKING EPOXY 4-INCH (SKIP, YELLOW)
- (C) PAVEMENT MARKING CROSSWALK EPOXY 6-INCH (WHITE)
- (D) PAVEMENT MARKING EPOXY 8-INCH (CHANNELIZING, WHITE)
- (E) PAVEMENT MARKING STOP LINE EPOXY 18-INCH (WHITE)
- (F12) PAVEMENT MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
- (LT) PAVEMENT MARKING ARROWS EPOXY TYPE 2 (LEFT, WHITE)
- (RT) PAVEMENT MARKING ARROWS EPOXY TYPE 2 (RIGHT, WHITE)
- (ST) PAVEMENT MARKING ARROWS EPOXY TYPE 2 (STRAIGHT, WHITE)
- (SLT) PAVEMENT MARKING ARROWS EPOXY TYPE 3 (STRAIGHT/LEFT, WHITE)
- (SRT) PAVEMENT MARKING ARROWS EPOXY TYPE 3 (STRAIGHT/RIGHT, WHITE)
- (W) PAVEMENT MARKING WORDS EPOXY ("ONLY", WHITE)



TRAFFIC CONTROL TYPICAL SECTION – USH 45 – STAGE 1

MEDIAN AND DEDICATED LEFT TURN LANE

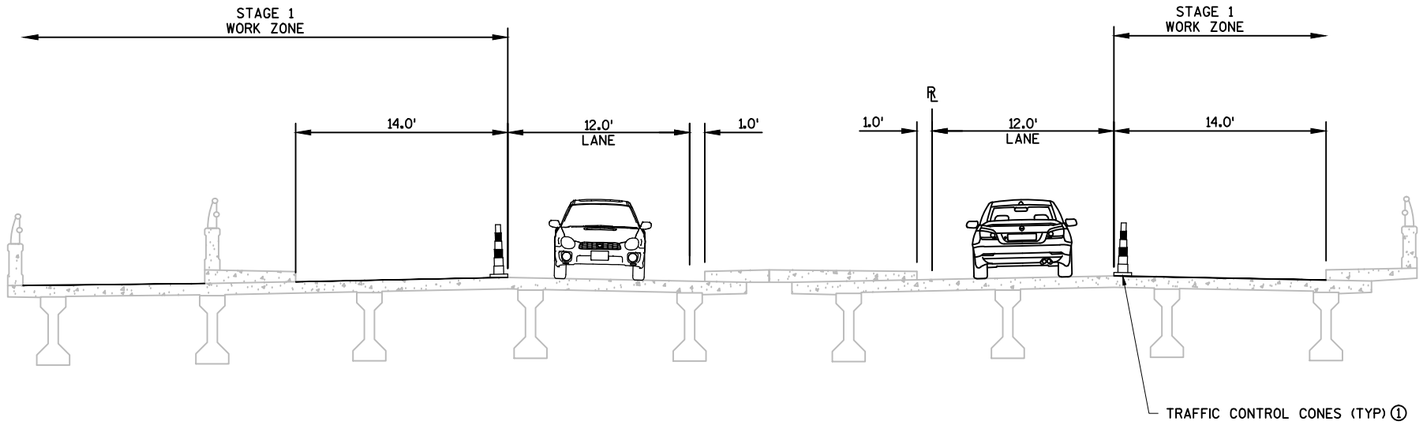


TRAFFIC CONTROL TYPICAL SECTION – USH 45 – STAGE 1

TWO WAY LEFT TURN LANE

NOTES:

① MOVE TRAFFIC CONTROL CONES OVER TO TRAVEL LANE WHEN IMMEDIATELY ADJACENT TO CONSTRUCTION OPERATIONS AND EQUIPMENT. IMMEDIATELY MOVE TRAFFIC CONTROL CONES BACK TO INSIDE EDGE OF WORK ZONE AFTER THE CONSTRUCTION OPERATION PROGRESSES UP THE ROADWAY.

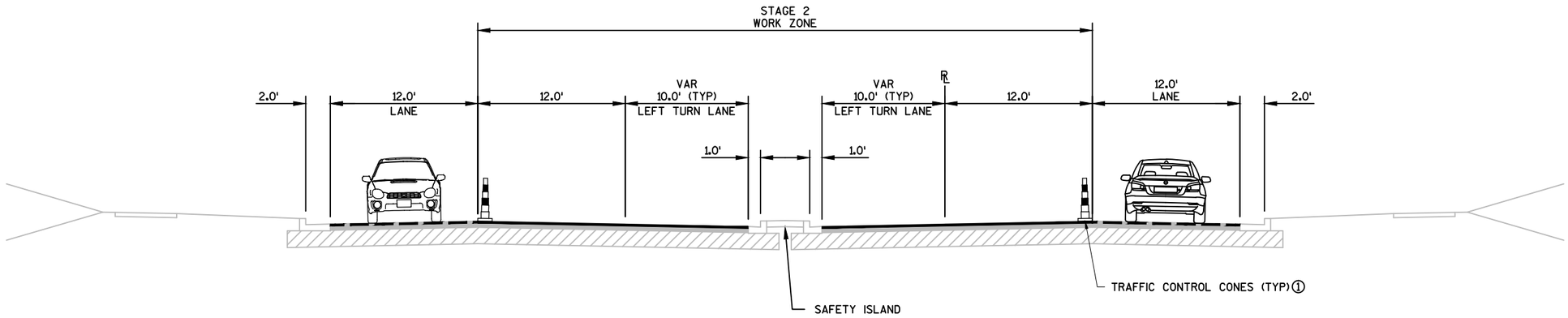


TRAFFIC CONTROL TYPICAL SECTION – USH 45 – STAGE 1

BRIDGE STRUCTURE

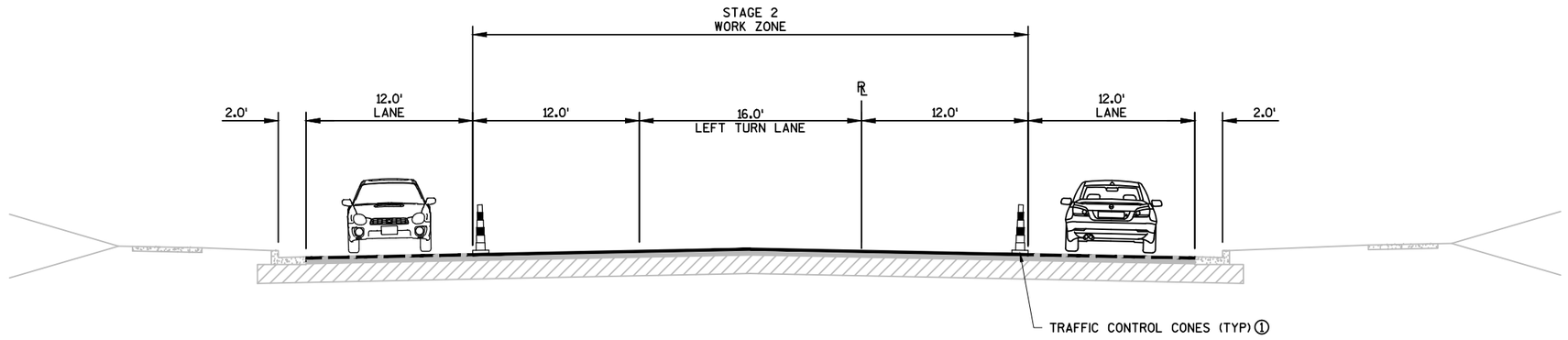
NOTES:

① MOVE TRAFFIC CONTROL CONES OVER TO TRAVEL LANE WHEN IMMEDIATELY ADJACENT TO CONSTRUCTION OPERATIONS AND EQUIPMENT. IMMEDIATELY MOVE TRAFFIC CONTROL CONES BACK TO INSIDE EDGE OF WORK ZONE AFTER THE CONSTRUCTION OPERATION PROGRESSES UP THE ROADWAY.



TRAFFIC CONTROL TYPICAL SECTION – USH 45 – STAGE 2

MEDIAN AND DEDICATED LEFT TURN LANE



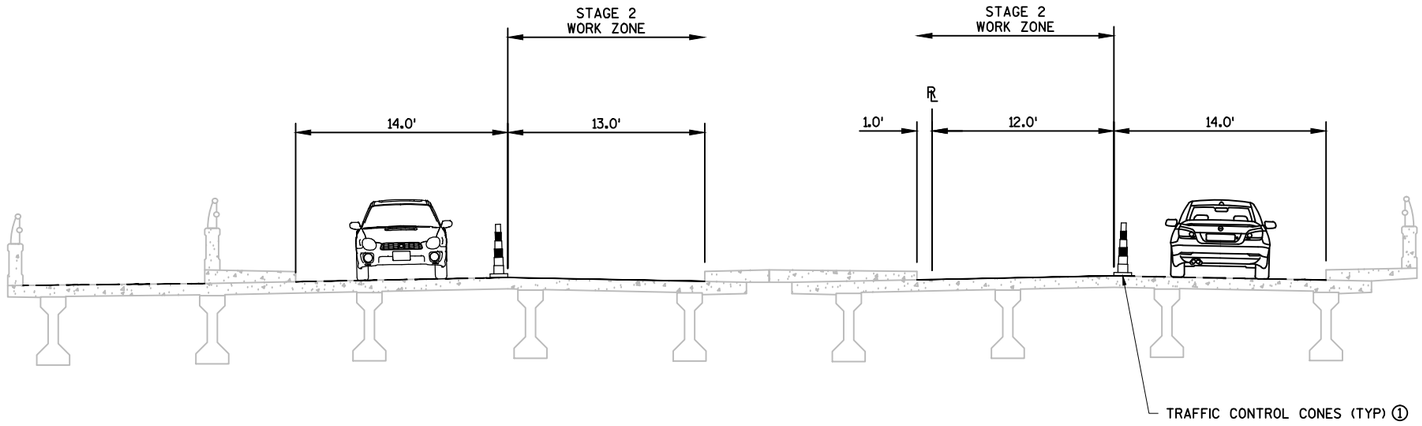
TRAFFIC CONTROL TYPICAL SECTION – USH 45 – STAGE 2

TWO WAY LEFT TURN LANE

NOTES:

① MOVE TRAFFIC CONTROL CONES OVER TO TRAVEL LANE WHEN IMMEDIATELY ADJACENT TO CONSTRUCTION OPERATIONS AND EQUIPMENT. IMMEDIATELY MOVE TRAFFIC CONTROL CONES BACK TO INSIDE EDGE OF WORK ZONE AFTER THE CONSTRUCTION OPERATION PROGRESSES UP THE ROADWAY.

2

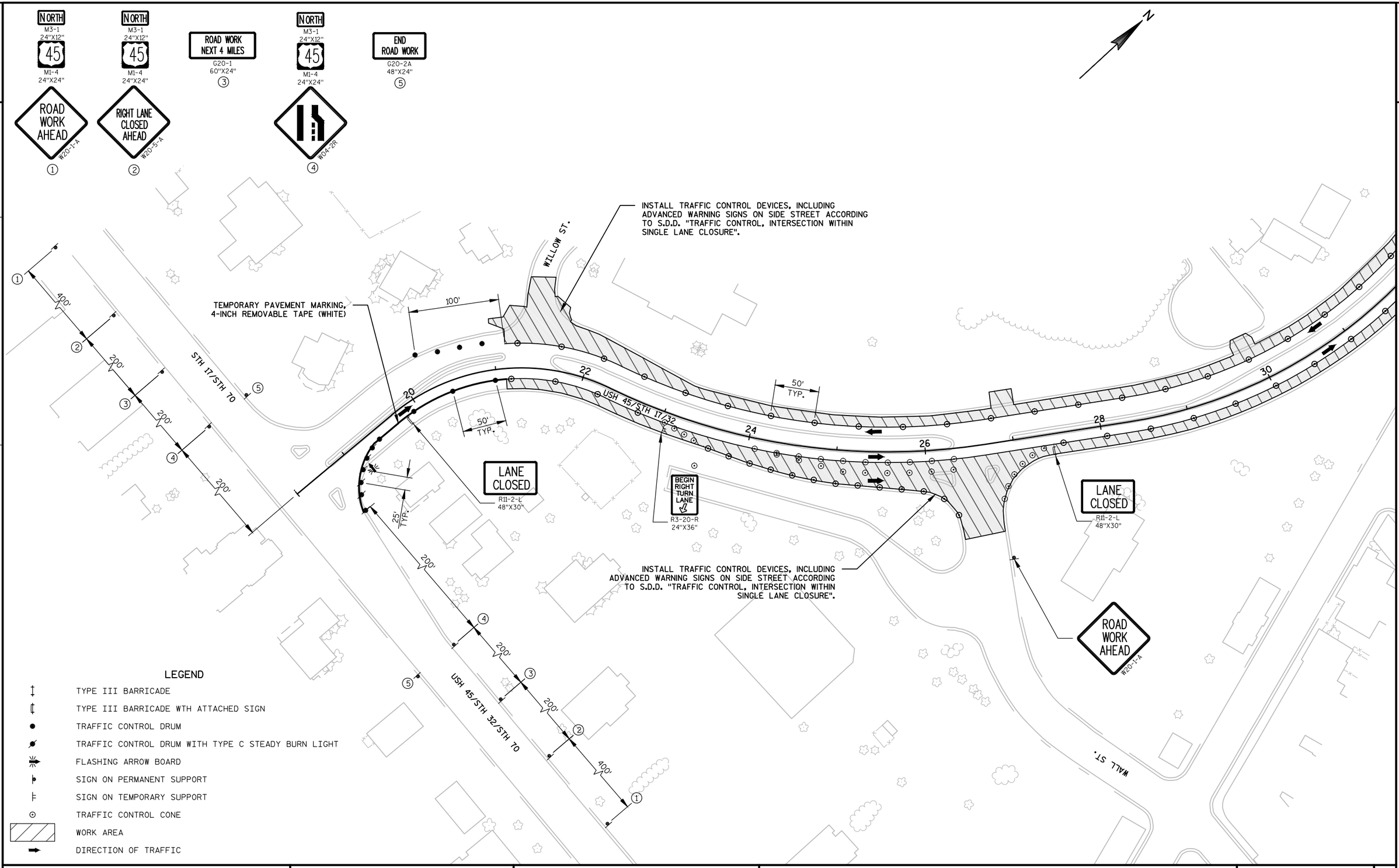


TRAFFIC CONTROL TYPICAL SECTION – USH 45 – STAGE 2

BRIDGE STRUCTURE

NOTES:

① MOVE TRAFFIC CONTROL CONES OVER TO TRAVEL LANE WHEN IMMEDIATELY ADJACENT TO CONSTRUCTION OPERATIONS AND EQUIPMENT. IMMEDIATELY MOVE TRAFFIC CONTROL CONES BACK TO INSIDE EDGE OF WORK ZONE AFTER THE CONSTRUCTION OPERATION PROGRESSES UP THE ROADWAY.

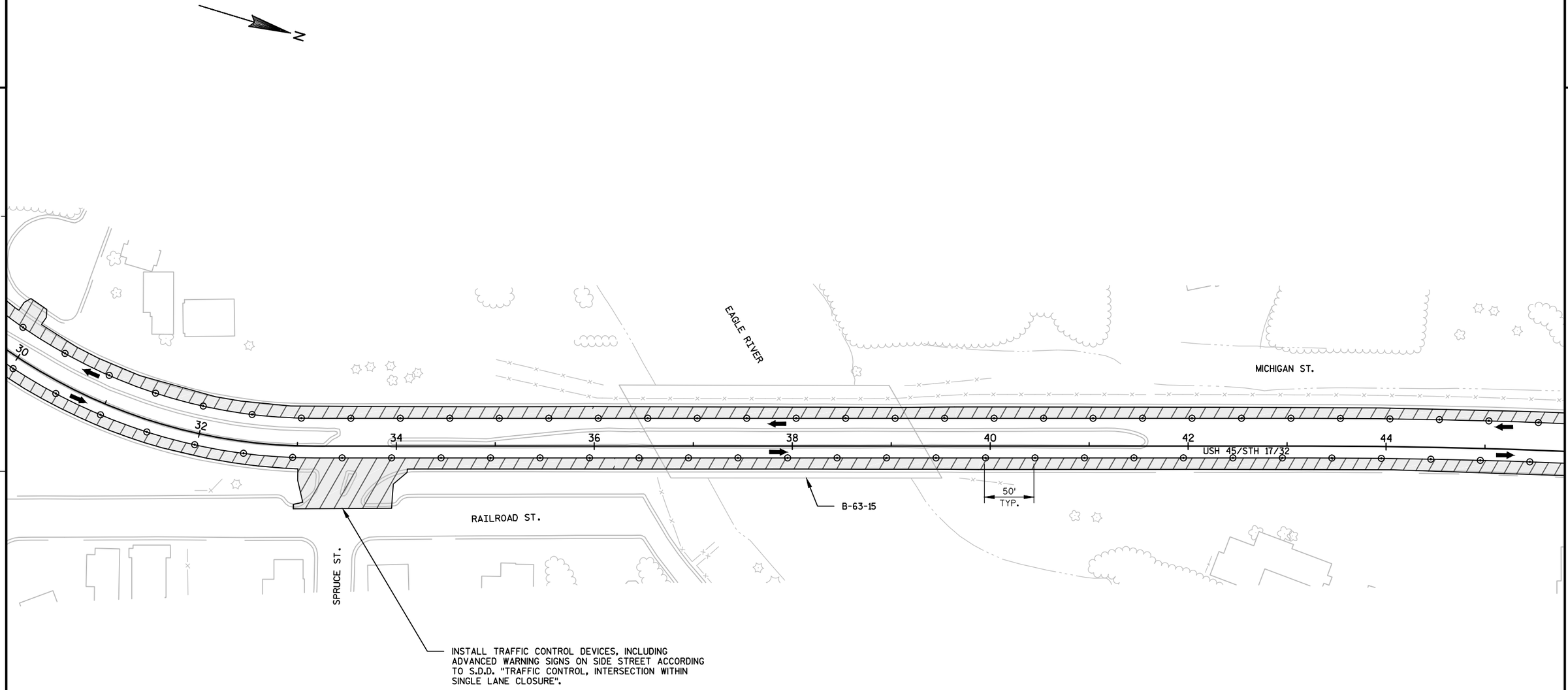


LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL CONE
- WORK AREA
- DIRECTION OF TRAFFIC

PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	TRAFFIC CONTROL-STAGE 1	SHEET 109 E

2



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL CONE
- WORK AREA
- DIRECTION OF TRAFFIC

PROJECT NO:1601-14-72	HWY: USH 45	COUNTY: VILAS	TRAFFIC CONTROL-STAGE 1	SHEET 110	E

2

N

INSTALL TRAFFIC CONTROL DEVICES, INCLUDING ADVANCED WARNING SIGNS ON SIDE STREET ACCORDING TO S.D.D. "TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE".

ILLINOIS ST.

INSTALL TRAFFIC CONTROL DEVICES, INCLUDING ADVANCED WARNING SIGNS ON SIDE STREET ACCORDING TO S.D.D. "TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE".

MILL ST.

46 48 50 52 54 56 58

USH 45/STH 17/32

50' TYP.

E MCKINLEY ST.

INSTALL TRAFFIC CONTROL DEVICES, INCLUDING ADVANCED WARNING SIGNS ON SIDE STREET ACCORDING TO S.D.D. "TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE".

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL CONE
- WORK AREA
- DIRECTION OF TRAFFIC

PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	TRAFFIC CONTROL-STAGE 1	SHEET 111	E

2

N

INSTALL TRAFFIC CONTROL DEVICES, INCLUDING ADVANCED WARNING SIGNS ON SIDE STREET ACCORDING TO S.D.D. "TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE".

JACK FROST ST

BLUE BIRD RD.

INSTALL TRAFFIC CONTROL DEVICES, INCLUDING ADVANCED WARNING SIGNS ON SIDE STREET ACCORDING TO S.D.D. "TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE".

CANOPY

60 62 64 46 48 50 52 54

USH 45/STH 17/32

EQUATION

STA BACK = 64+92.32

STA AHEAD = 44+92.69

50' TYP.

E HOSPITAL RD.

INSTALL TRAFFIC CONTROL DEVICES, INCLUDING ADVANCED WARNING SIGNS ON SIDE STREET ACCORDING TO S.D.D. "TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE".

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL CONE
- WORK AREA
- DIRECTION OF TRAFFIC

PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	TRAFFIC CONTROL-STAGE 1	SHEET 112	E

2

2

N

INSTALL TRAFFIC CONTROL DEVICES, INCLUDING ADVANCED WARNING SIGNS ON SIDE STREET ACCORDING TO S.D.D. "TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE".

AIRPORT RD.

58 60 62 64 66 68 70 72

USH 45/STH 17/32

50' TYP.

INSTALL TRAFFIC CONTROL DEVICES, INCLUDING ADVANCED WARNING SIGNS ON SIDE STREET ACCORDING TO S.D.D. "TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE".

E PLEASURE ISLAND RD.

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL CONE
- WORK AREA
- DIRECTION OF TRAFFIC

PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	TRAFFIC CONTROL-STAGE 1	SHEET 113 E

2

2

N

76

78

80

82

USH 45/STH 17/32

84

86

88

90

COMMERCIAL ENTRANCE

INSTALL TRAFFIC CONTROL DEVICES, INCLUDING ADVANCED WARNING SIGNS ON SIDE STREET ACCORDING TO S.D.D. "TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE".

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL CONE
- WORK AREA
- DIRECTION OF TRAFFIC

PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	TRAFFIC CONTROL-STAGE 1	SHEET 114	E

2

2

INSTALL TRAFFIC CONTROL DEVICES, INCLUDING ADVANCED WARNING SIGNS ON SIDE STREET ACCORDING TO S.D.D. "TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE".

CTH G

96 98 100 102 104 106 108 110

USH 45/STH 17/32

50' TYP.

PLEASURE ISLAND RD

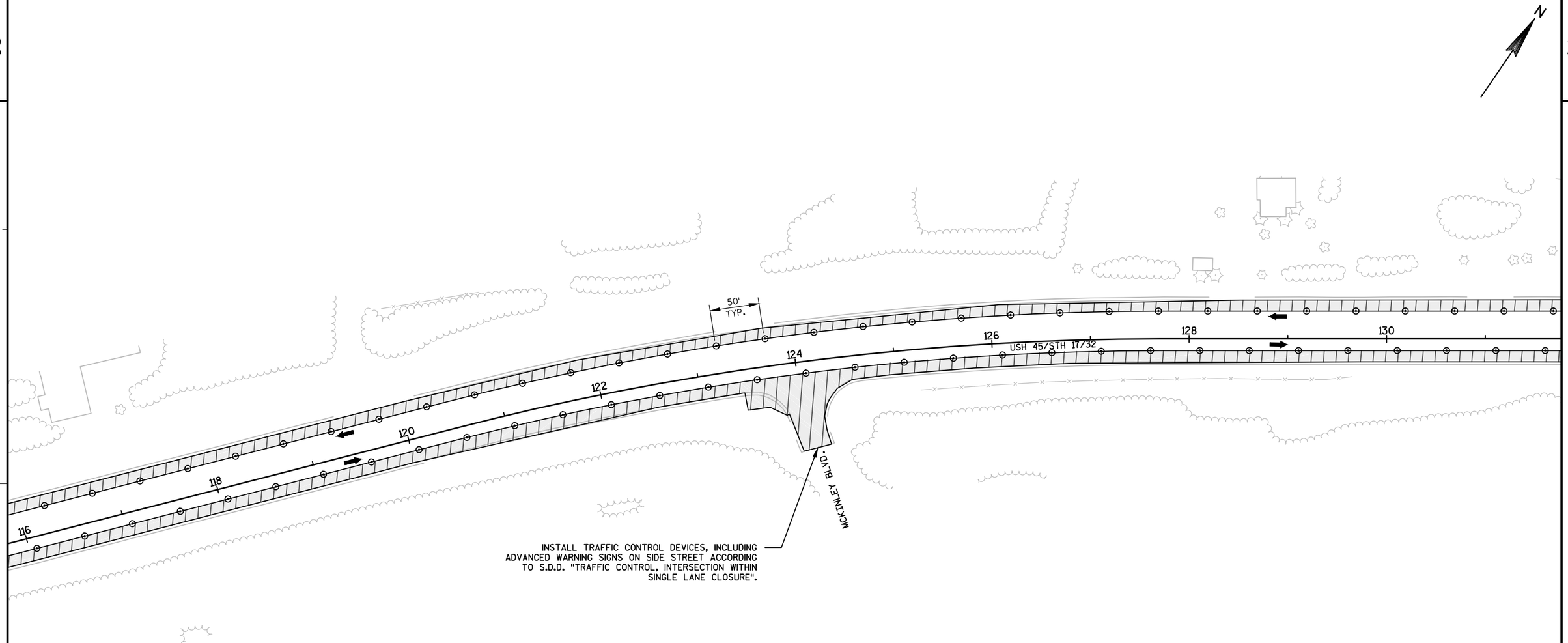
INSTALL TRAFFIC CONTROL DEVICES, INCLUDING ADVANCED WARNING SIGNS ON SIDE STREET ACCORDING TO S.D.D. "TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE".

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL CONE
- WORK AREA
- DIRECTION OF TRAFFIC

PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	TRAFFIC CONTROL-STAGE 1	SHEET 115	E

2



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL CONE
- WORK AREA
- DIRECTION OF TRAFFIC

PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	TRAFFIC CONTROL-STAGE 1	SHEET 116	E

2

2

LEGEND

N

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL CONE
- WORK AREA
- DIRECTION OF TRAFFIC

146

148

150

152

154

156

158

160

162

50' TYP.

USH 45/STH 17/32

CHAIN O LAKES RD

INSTALL TRAFFIC CONTROL DEVICES, INCLUDING ADVANCED WARNING SIGNS ON SIDE STREET ACCORDING TO S.D.D. "TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE".

PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	TRAFFIC CONTROL-STAGE 1	SHEET 117	E

FILE NAME : P:\2014\2014.068 - WISDOT NC - USH 45, VILAS\CAD\16011472\SHEETSPLAN\025001-TC.DWG
**** - ****

PLOT DATE : 4/17/2017 1:07 PM PLOT BY : DANIEL J. GERLING PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

N

COMPLETE WORK USING S.D.D. "TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION" AND S.D.D. "TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY".

INSTALL ADVANCED WARNING SIGNS ACCORDING TO S.D.D. "TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON FREEWAY/EXPRESSWAY".

50' TYP.

540' TAPER

50' TYP.

164 166 168 170 172 174 176 177

USH 45/STH 17/32

50' TYP.

200'

500'

END ROAD WORK
G20-2A
48"X24"

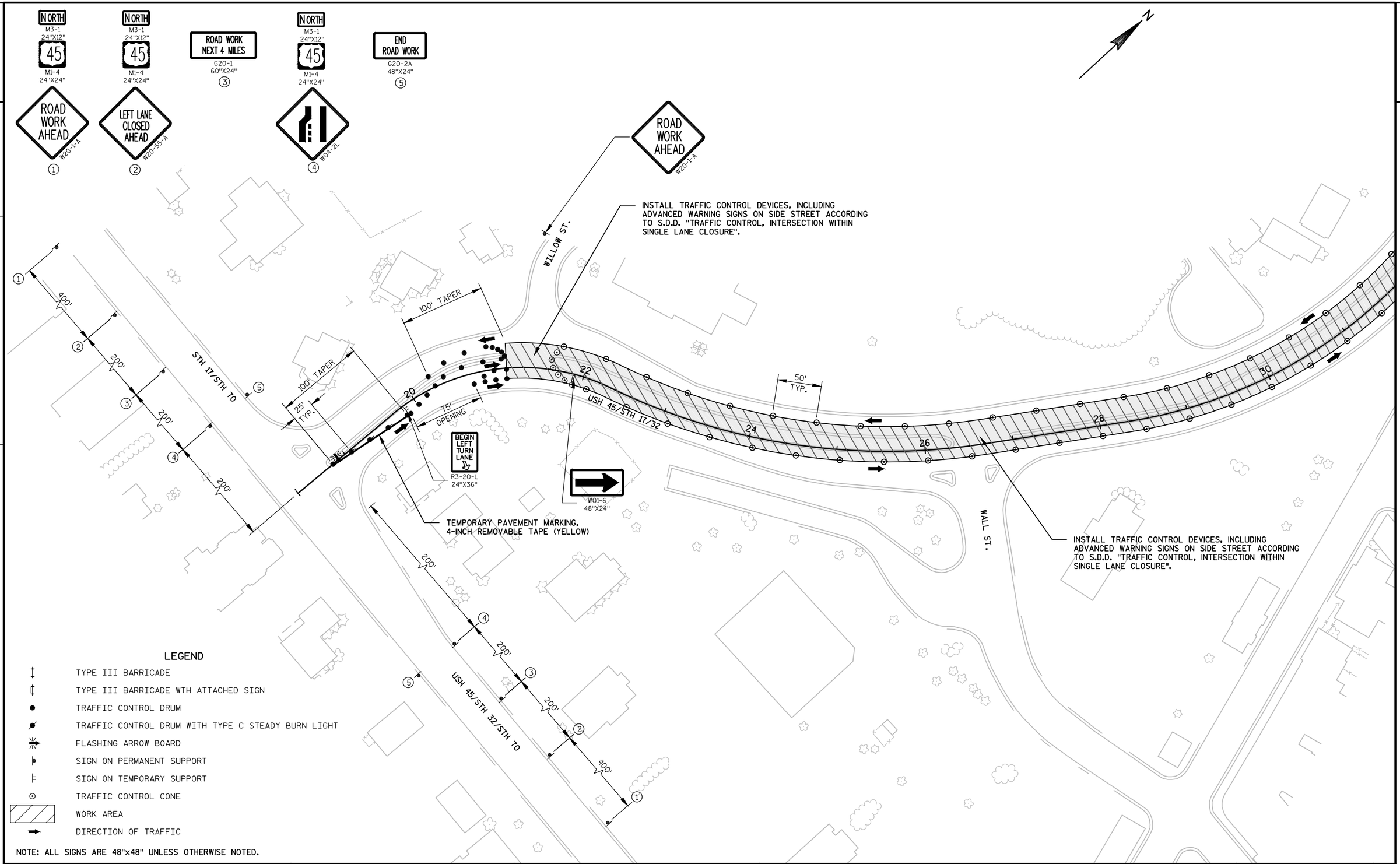
TEMPORARY PAVEMENT MARKING, 4-INCH REMOVABLE TAPE (YELLOW)

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL CONE
- WORK AREA
- DIRECTION OF TRAFFIC

PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	TRAFFIC CONTROL-STAGE 1	SHEET 118	E

2



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL CONE
- WORK AREA
- DIRECTION OF TRAFFIC

NOTE: ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	TRAFFIC CONTROL-STAGE 2	SHEET 119	E

2

2

N

EAGLE RIVER

MICHIGAN ST.

30

32

34

36

38

40

42

44

USH 45/STH 17/32

50'
TYP.

B-63-15

RAILROAD ST.

SPRUCE ST.

INSTALL TRAFFIC CONTROL DEVICES, INCLUDING ADVANCED WARNING SIGNS ON SIDE STREET ACCORDING TO S.D.D. "TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE".

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL CONE
- WORK AREA
- DIRECTION OF TRAFFIC

PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	TRAFFIC CONTROL-STAGE 2	SHEET 120	E

2

N

INSTALL TRAFFIC CONTROL DEVICES, INCLUDING ADVANCED WARNING SIGNS ON SIDE STREET ACCORDING TO S.D.D. "TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE".

ILLINOIS ST.

MILL ST.

46 48 50 52 54 56 58

USH 45/STH 17/32

50' TYP.

E MCKINLEY ST.

INSTALL TRAFFIC CONTROL DEVICES, INCLUDING ADVANCED WARNING SIGNS ON SIDE STREET ACCORDING TO S.D.D. "TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE".

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL CONE
- WORK AREA
- DIRECTION OF TRAFFIC

PROJECT NO:1601-14-72	HWY: USH 45	COUNTY: VILAS	TRAFFIC CONTROL-STAGE 2	SHEET 121 E

2

2

N

INSTALL TRAFFIC CONTROL DEVICES, INCLUDING ADVANCED WARNING SIGNS ON SIDE STREET ACCORDING TO S.D.D. "TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE".

JACK FROST ST

INSTALL TRAFFIC CONTROL DEVICES, INCLUDING ADVANCED WARNING SIGNS ON SIDE STREET ACCORDING TO S.D.D. "TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE".

BLUE BIRD RD.

CANOPY

60 52 64 46 48 50 52 54

USH 45/STH 17/32

STA BACK = 64+92.32
STA AHEAD = 44+92.69

EQUATION

50' TYP.

E HOSPITAL RD.

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL CONE
- WORK AREA
- DIRECTION OF TRAFFIC

PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	TRAFFIC CONTROL-STAGE 2	SHEET 122	E

2

2

N

AIRPORT RD.

USH 45/STH 17/32

58 60 62 64 66 68 70

50'
TYP.

E PLEASURE ISLAND RD.

INSTALL TRAFFIC CONTROL DEVICES, INCLUDING ADVANCED WARNING SIGNS ON SIDE STREET ACCORDING TO S.D.D. "TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE".

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL CONE
- WORK AREA
- DIRECTION OF TRAFFIC

PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	TRAFFIC CONTROL-STAGE 2	SHEET 123	E

2

2

N

T6

T8

80

82

84

USH 45/STH 17/32

COMMERCIAL ENTRANCE

86

88

90

INSTALL TRAFFIC CONTROL DEVICES, INCLUDING ADVANCED WARNING SIGNS ON SIDE STREET ACCORDING TO S.D.D. "TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE".

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL CONE
- WORK AREA
- DIRECTION OF TRAFFIC

PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	TRAFFIC CONTROL-STAGE 2	SHEET 124	E

2

2

N

CTH G

96 98 100 102 104 106 108 110

USH 45/STH 17/32

50'
TYP.

INSTALL TRAFFIC CONTROL DEVICES, INCLUDING ADVANCED WARNING SIGNS ON SIDE STREET ACCORDING TO S.D.D. "TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE".

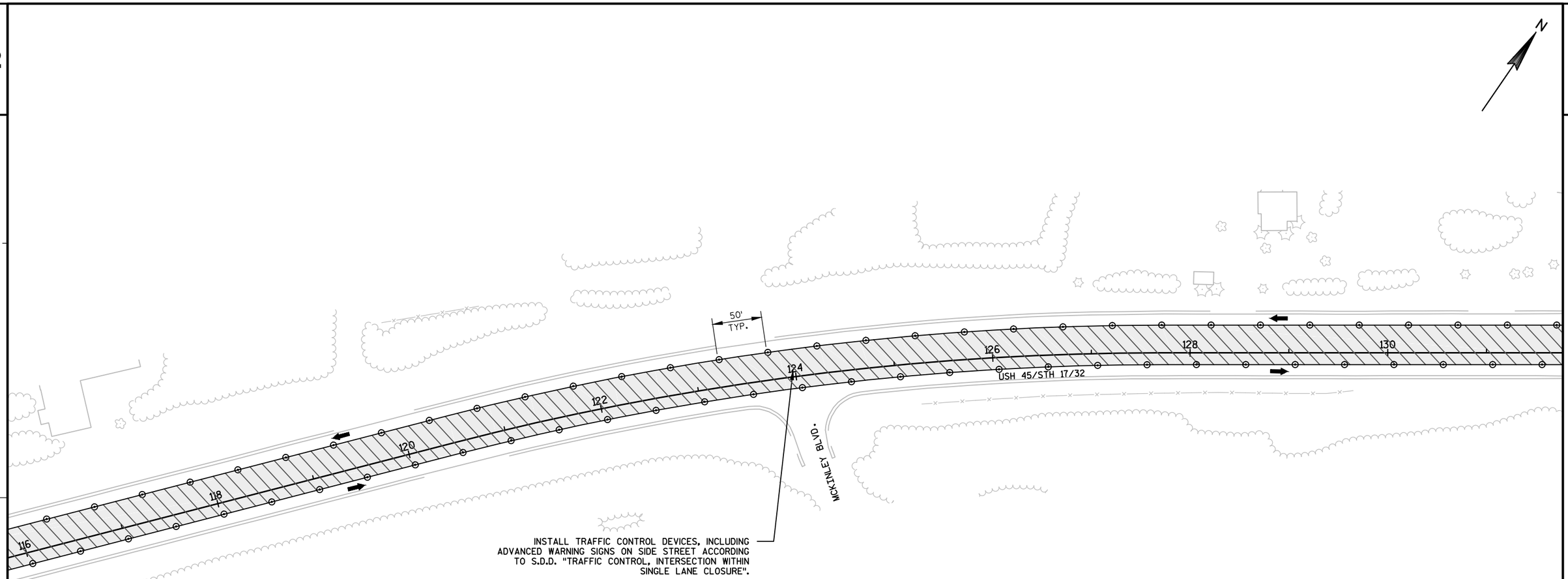
PLEASURE ISLAND RD

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL CONE
- WORK AREA
- DIRECTION OF TRAFFIC

PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	TRAFFIC CONTROL-STAGE 2	SHEET 125	E

2



2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL CONE
- WORK AREA
- DIRECTION OF TRAFFIC

PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	TRAFFIC CONTROL-STAGE 2	SHEET 126	E

2

2

LEGEND

N

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL CONE
- WORK AREA
- DIRECTION OF TRAFFIC

146 148 150 152 154 156 158 160 162

50' TYP.

USH 45/STH 17/32

CHAIN O LAKES RD

INSTALL TRAFFIC CONTROL DEVICES, INCLUDING ADVANCED WARNING SIGNS ON SIDE STREET ACCORDING TO S.D.D. "TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE".

PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	TRAFFIC CONTROL-STAGE 2	SHEET 127	E

FILE NAME : P:\2014\2014.068 - WISDOT NC - USH 45, VILAS\CAD\16011472\SHEETSPLAN\025002-TC.DWG
**** - ****

PLOT DATE : 4/17/2017 1:05 PM PLOT BY : DANIEL J. GERLING PLOT NAME : PLOT SCALE : 1 IN:100 FT

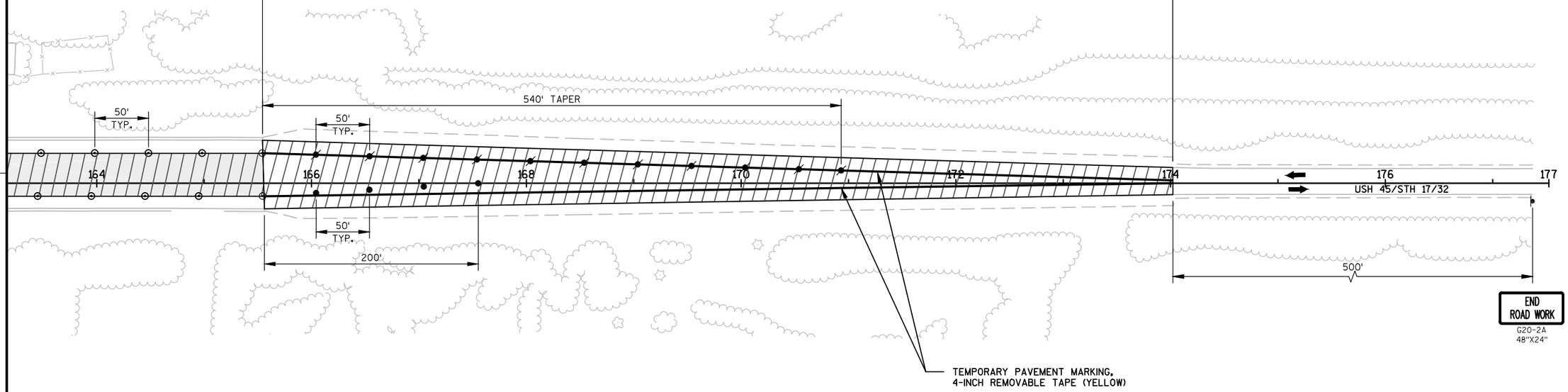
WISDOT/CADDS SHEET 42

2

N

COMPLETE WORK USING S.D.D. "TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION" AND S.D.D. "TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY".

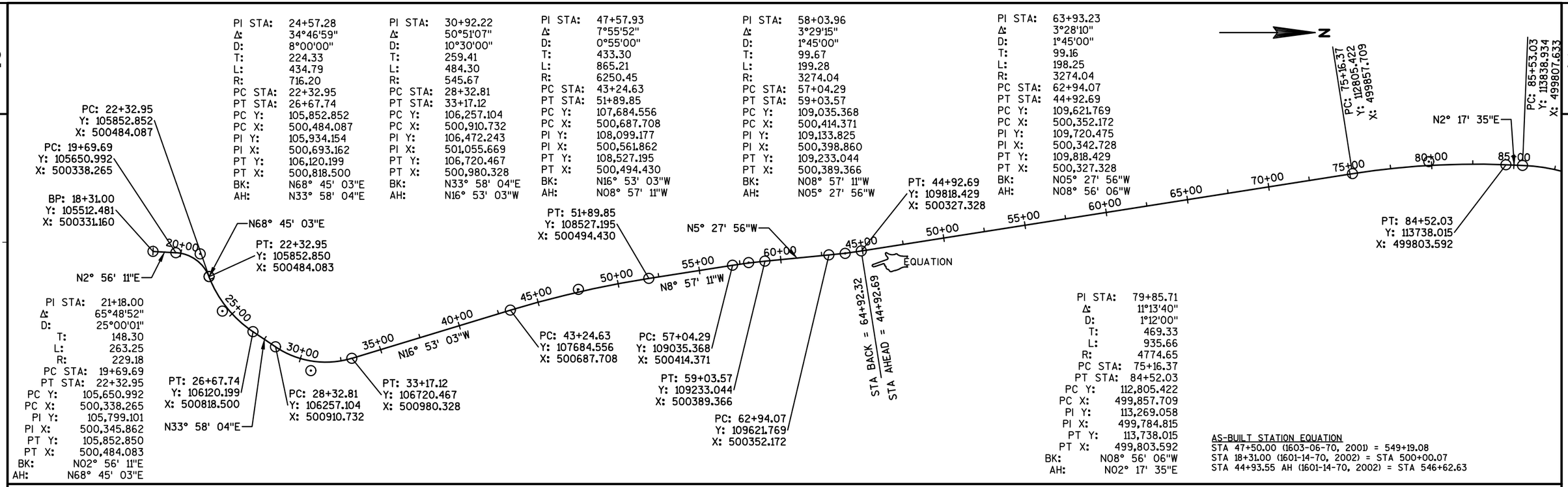
INSTALL ADVANCED WARNING SIGNS ACCORDING TO S.D.D. "TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON FREEWAY/EXPRESSWAY".

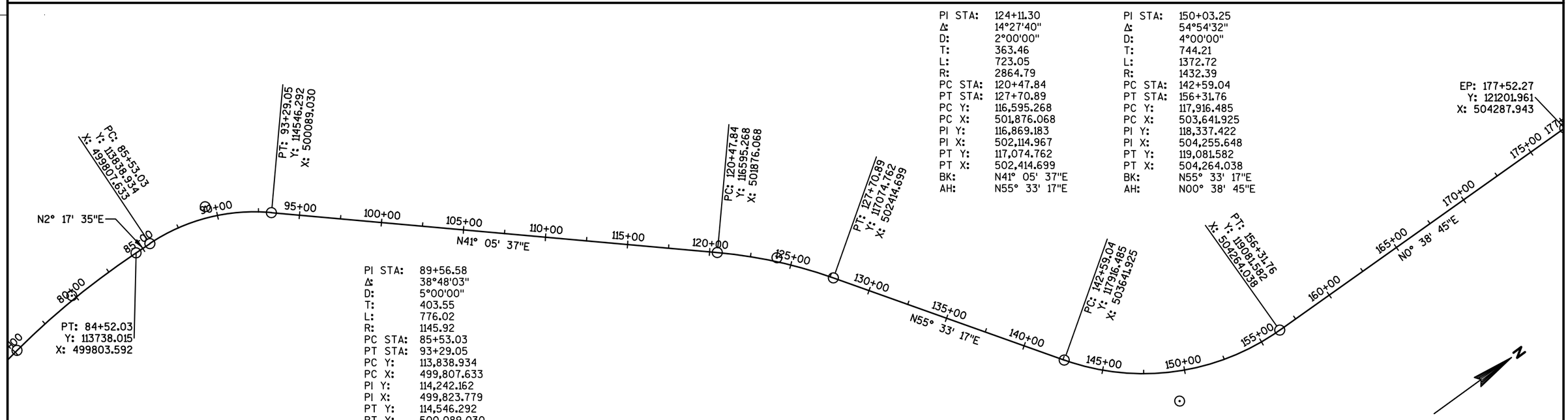


LEGEND

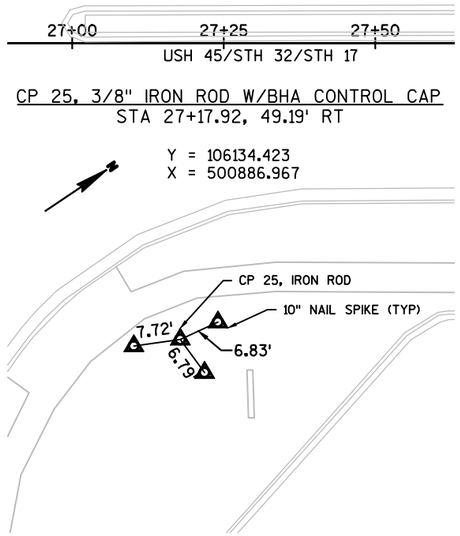
- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL CONE
- WORK AREA
- DIRECTION OF TRAFFIC

PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	TRAFFIC CONTROL-STAGE 2	SHEET 128	E



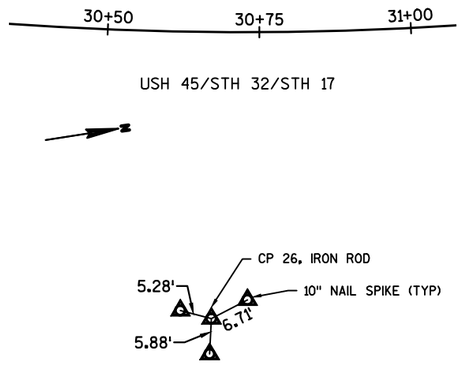


PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	ALIGNMENT DIAGRAM - USH 45	SHEET 129 E



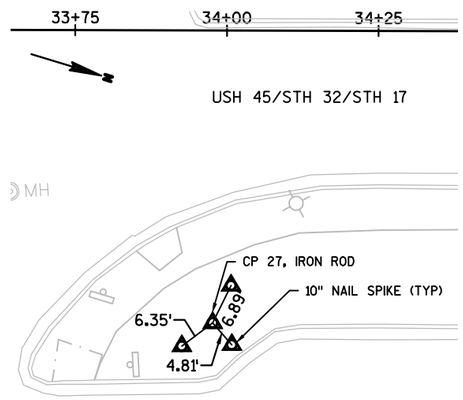
CP 25, 3/8" IRON ROD W/BHA CONTROL CAP
STA 27+17.92, 49.19' RT

Y = 106134.423
X = 500886.967



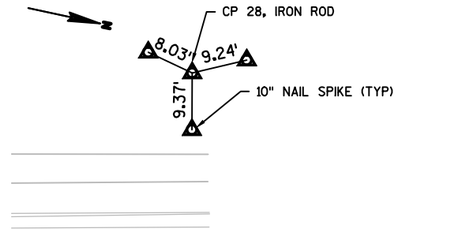
CP 26, 3/8" IRON ROD W/BHA CONTROL CAP
STA 30+67.50, 47.55' RT

Y = 106478.319
X = 501045.415



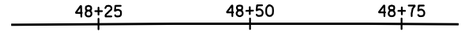
CP 27, 3/8" IRON ROD W/BHA CONTROL CAP
STA 33+97.62, 48.45' RT

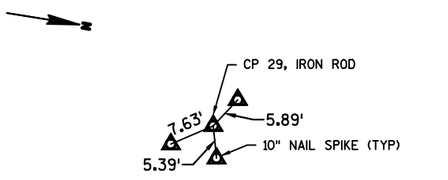
Y = 106811.652
X = 501003.036



CP 28, 3/8" IRON ROD W/BHA CONTROL CAP
STA 48+40.47, 65.03' LT

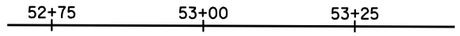
Y = 108170.222
X = 500494.761

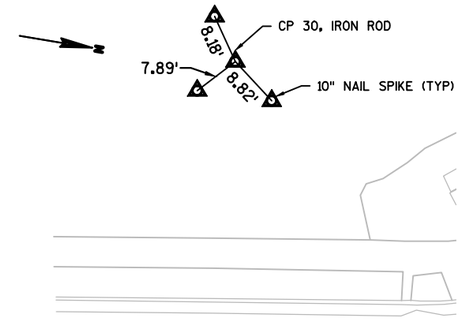




CP 29, 3/8" IRON ROD W/BHA CONTROL CAP
STA 53+03.04, 63.49' LT

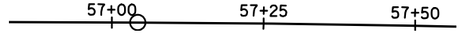
Y = 108629.290
X = 500414.077

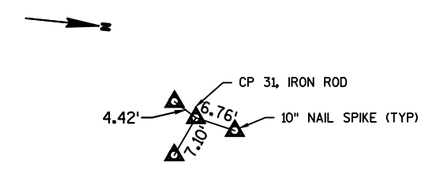




CP 30, 3/8" IRON ROD W/BHA CONTROL CAP
STA 57+19.47, 80.80' LT

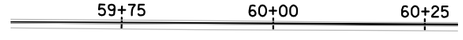
Y = 109038.346
X = 500332.203

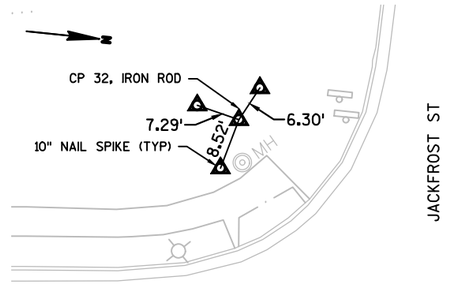




CP 31, 3/8" IRON ROD W/BHA CONTROL CAP
STA 59+86.75, 61.35' LT

Y = 109310.187
X = 500320.480

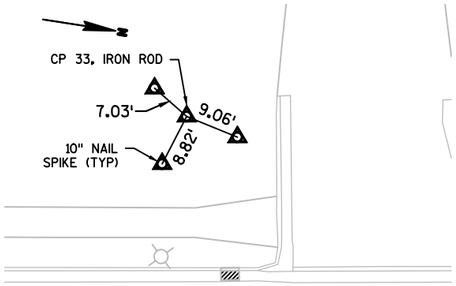




CP 32, 3/8" IRON ROD W/BHA CONTROL CAP
STA 63+16.05, 65.79' LT

Y = 109637.127
X = 500284.779



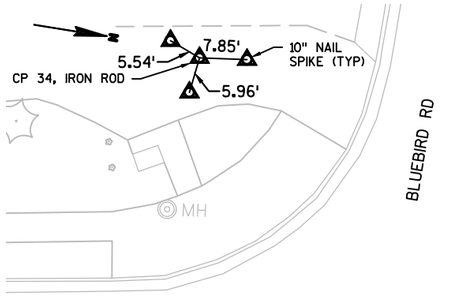


USH 45/STH 32/STH 17

CP 33, 3/8" IRON ROD W/BHA CONTROL CAP
STA 46+43.30, 66.18' LT

Y = 109957.458
X = 500238.732

46+25 46+50 46+75

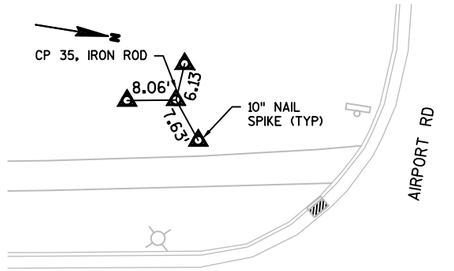


USH 45/STH 32/STH 17

CP 34, 3/8" IRON ROD W/BHA CONTROL CAP
STA 50+03.95, 79.22' LT

Y = 110311.699
X = 500169.774

9+75 50+00 50+25

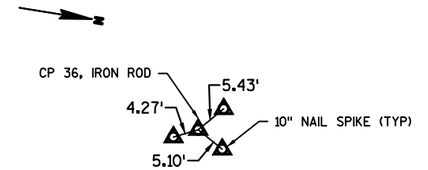


USH 45/STH 32/STH 17

CP 35, 3/8" IRON ROD W/BHA CONTROL CAP
STA 63+46.20, 67.99' LT

Y = 111639.362
X = 499972.158

63+25 63+50 63+75



USH 45/STH 32/STH 17

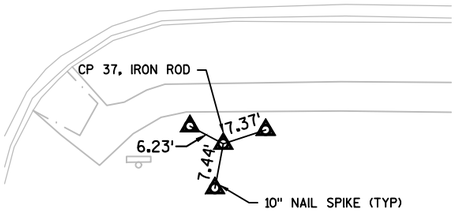
CP 36, 3/8" IRON ROD W/BHA CONTROL CAP
STA 66+15.21, 65.05' LT

Y = 111905.564
X = 499933.233

66+00 66+25 66+50

82+75 83+00 83+25

USH 45/STH 32/STH 17

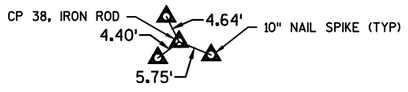


CP 37, 3/8" IRON ROD W/BHA CONTROL CAP
STA 83+04.66, 47.32' RT

Y = 113590.719
X = 499846.811

87+50 87+75 88+00

USH 45/STH 32/STH 17

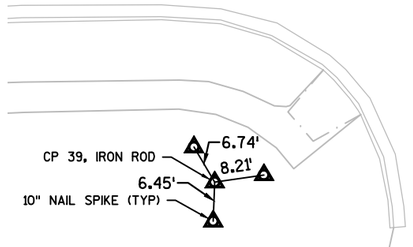


CP 38, 3/8" IRON ROD W/BHA CONTROL CAP
STA 87+67.65, 49.34' RT

Y = 114040.675
X = 499883.702

93+00 93+25 93+50

USH 45/STH 32/STH 17

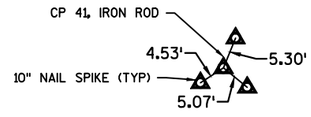


CP 39, 3/8" IRON ROD W/BHA CONTROL CAP
STA 93+25.86, 54.20' RT

Y = 114508.901
X = 500127.210

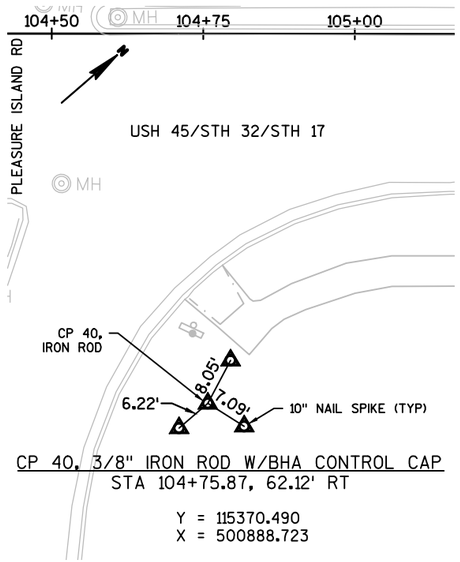
100+50 100+75 101+0(

USH 45/STH 32/STH 17



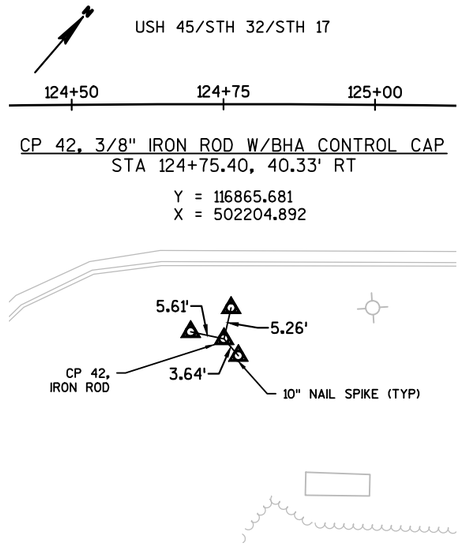
CP 41, 3/8" IRON ROD W/BHA CONTROL CAP
STA 100+67.97, 57.89' RT

Y = 115065.786
X = 500617.514



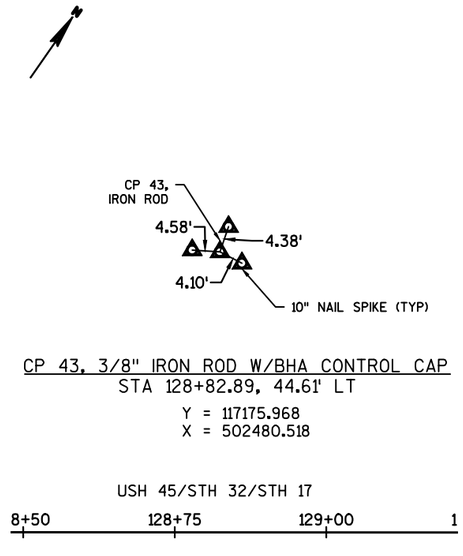
CP 40, 3/8" IRON ROD W/BHA CONTROL CAP
STA 104+75.87, 62.12' RT

Y = 115370.490
X = 500888.723



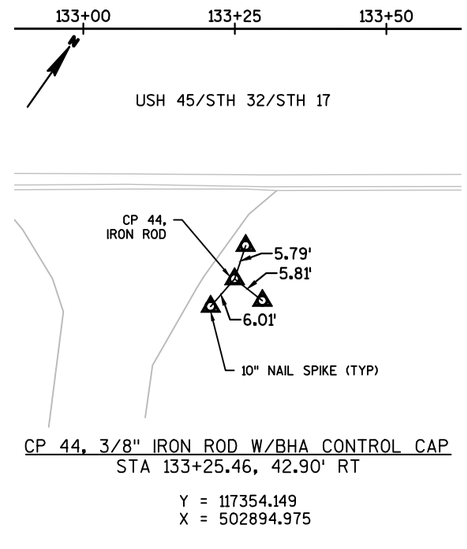
CP 42, 3/8" IRON ROD W/BHA CONTROL CAP
STA 124+75.40, 40.33' RT

Y = 116865.681
X = 502204.892



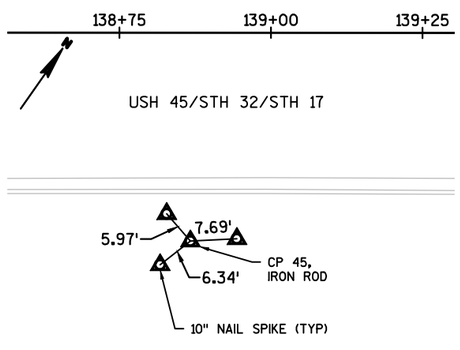
CP 43, 3/8" IRON ROD W/BHA CONTROL CAP
STA 128+82.89, 44.61' LT

Y = 117175.968
X = 502480.518



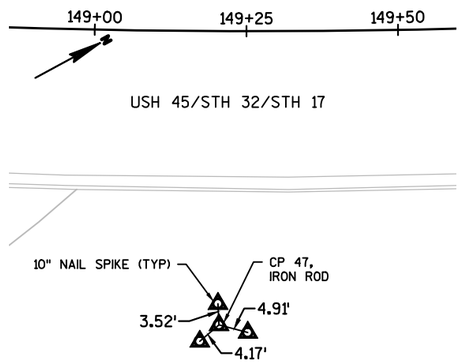
CP 44, 3/8" IRON ROD W/BHA CONTROL CAP
STA 133+25.46, 42.90' RT

Y = 117354.149
X = 502894.975



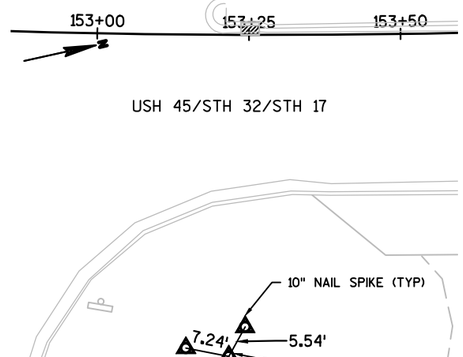
CP 45, 3/8" IRON ROD W/BHA CONTROL CAP
STA 138+87.20, 36.06' RT

Y = 117677.556
X = 503354.330



CP 47, 3/8" IRON ROD W/BHA CONTROL CAP
STA 149+20.35, 50.26' RT

Y = 118377.802
X = 504125.811



CP 48, 3/8" IRON ROD W/BHA CONTROL CAP
STA 153+21.10, 54.65' RT

Y = 118762.594
X = 504278.818

1601-14-72

Line	Item	Item Description	Unit	Total	Qty
0010	204.0100	Removing Pavement	SY	48.000	48.000
0020	204.0110	Removing Asphaltic Surface	SY	480.000	480.000
0030	204.0115	Removing Asphaltic Surface Butt Joints	SY	811.000	811.000
0040	204.0120	Removing Asphaltic Surface Milling	SY	116,419.000	116,419.000
0050	204.0150	Removing Curb & Gutter	LF	2,129.000	2,129.000
0060	204.0155	Removing Concrete Sidewalk	SY	1,096.000	1,096.000
0070	205.0100	Excavation Common	CY	385.000	385.000
0080	213.0100	Finishing Roadway (project) 01. 1601-14-72	EACH	1.000	1.000
0090	305.0110	Base Aggregate Dense 3/4-Inch	TON	236.000	236.000
0100	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	518.000	518.000
0110	416.0160	Concrete Driveway 6-Inch	SY	44.000	44.000
0120	416.0610	Drilled Tie Bars	EACH	121.000	121.000
0130	440.4410	Incentive IRI Ride	DOL	24,980.000	24,980.000
0140	455.0605	Tack Coat	GAL	8,150.000	8,150.000
0150	460.2000	Incentive Density HMA Pavement	DOL	8,630.000	8,630.000
0160	460.4110.S	Reheating HMA Pavement Longitudinal Joints	LF	32,132.000	32,132.000
0170	460.6444	HMA Pavement 4 MT 58-34 H	TON	13,560.000	13,560.000
0180	509.1500	Concrete Surface Repair	SF	450.000	450.000
0190	509.5100.S	Polymer Overlay	SY	2,000.000	2,000.000
0200	601.0407	Concrete Curb & Gutter 18-Inch Type D	LF	301.000	301.000
0210	601.0409	Concrete Curb & Gutter 30-Inch Type A	LF	196.000	196.000
0220	601.0411	Concrete Curb & Gutter 30-Inch Type D	LF	1,882.000	1,882.000
0230	601.0600	Concrete Curb Pedestrian	LF	36.000	36.000
0240	602.0415	Concrete Sidewalk 6-Inch	SF	8,103.000	8,103.000
0250	602.0505	Curb Ramp Detectable Warning Field Yellow	SF	495.000	495.000
0260	602.2400	Concrete Safety Islands	SF	1,003.000	1,003.000
0270	611.0430	Reconstructing Inlets	EACH	34.000	34.000
0280	611.0624	Inlet Covers Type H	EACH	2.000	2.000
0290	619.1000	Mobilization	EACH	1.000	1.000
0300	624.0100	Water	MGAL	15.000	15.000
0310	625.0100	Topsoil	SY	1,933.000	1,933.000
0320	628.1905	Mobilizations Erosion Control	EACH	2.000	2.000
0330	628.1910	Mobilizations Emergency Erosion Control	EACH	2.000	2.000
0340	628.2006	Erosion Mat Urban Class I Type A	SY	1,933.000	1,933.000
0350	628.7015	Inlet Protection Type C	EACH	248.000	248.000
0360	629.0210	Fertilizer Type B	CWT	1.700	1.700
0370	630.0140	Seeding Mixture No. 40	LB	45.000	45.000
0380	634.0816	Posts Tubular Steel 2x2-Inch X 16-FT	EACH	141.000	141.000
0390	637.2210	Signs Type II Reflective H	SF	1,067.860	1,067.860
0400	637.2215	Signs Type II Reflective H Folding	SF	186.500	186.500

1601-14-72

Line	Item	Item Description	Unit	Total	Qty
0410	637.2230	Signs Type II Reflective F	SF	128.750	128.750
0420	638.2602	Removing Signs Type II	EACH	246.000	246.000
0430	638.3000	Removing Small Sign Supports	EACH	164.000	164.000
0440	642.5001	Field Office Type B	EACH	1.000	1.000
0450	643.0100	Traffic Control (project) 01. 1601-14-72	EACH	1.000	1.000
0460	643.0300	Traffic Control Drums	DAY	50,010.000	50,010.000
0470	643.0410	Traffic Control Barricades Type II	DAY	6,660.000	6,660.000
0480	643.0420	Traffic Control Barricades Type III	DAY	4,705.000	4,705.000
0490	643.0705	Traffic Control Warning Lights Type A	DAY	6,660.000	6,660.000
0500	643.0715	Traffic Control Warning Lights Type C	DAY	1,480.000	1,480.000
0510	643.0800	Traffic Control Arrow Boards	DAY	85.000	85.000
0520	643.0900	Traffic Control Signs	DAY	12,525.000	12,525.000
0530	643.1017.S	Traffic Control Cones 42-inch	DAY	82,595.000	82,595.000
0540	644.1420.S	Temporary Pedestrian Surface Plywood	SF	1,040.000	1,040.000
0550	644.1601.S	Temporary Curb Ramp	EACH	41.000	41.000
0560	646.0106	Pavement Marking Epoxy 4-Inch	LF	43,034.000	43,034.000
0570	646.0126	Pavement Marking Epoxy 8-Inch	LF	1,940.000	1,940.000
0580	646.0600	Removing Pavement Markings	LF	15.000	15.000
0590	647.0156	Pavement Marking Arrows Epoxy Type 1	EACH	4.000	4.000
0600	647.0166	Pavement Marking Arrows Epoxy Type 2	EACH	95.000	95.000
0610	647.0176	Pavement Marking Arrows Epoxy Type 3	EACH	6.000	6.000
0620	647.0356	Pavement Marking Words Epoxy	EACH	6.000	6.000
0630	647.0456	Pavement Marking Curb Epoxy	LF	817.000	817.000
0640	647.0566	Pavement Marking Stop Line Epoxy 18-Inch	LF	768.000	768.000
0650	647.0606	Pavement Marking Island Nose Epoxy	EACH	9.000	9.000
0660	647.0726	Pavement Marking Diagonal Epoxy 12-Inch	LF	839.000	839.000
0670	647.0766	Pavement Marking Crosswalk Epoxy 6-Inch	LF	3,077.000	3,077.000
0680	649.0400	Temporary Pavement Marking Removable Tape 4-Inch	LF	3,741.000	3,741.000
0690	649.0600	Temporary Pavement Marking Removable Tape 6-Inch	LF	2,230.000	2,230.000
0700	650.5000	Construction Staking Base	LF	2,000.000	2,000.000
0710	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	2,752.000	2,752.000
0720	650.8000	Construction Staking Resurfacing Reference	LF	17,290.000	17,290.000
0730	650.8500	Construction Staking Electrical Installations (project) 01. 1601-14-72	LS	1.000	1.000
0740	650.9910	Construction Staking Supplemental Control (project) 01. 1601-14-72	LS	1.000	1.000
0750	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	83.000	83.000
0760	652.0700.S	Install Conduit into Existing Item	EACH	16.000	16.000
0770	652.0800	Conduit Loop Detector	LF	2,015.000	2,015.000
0780	653.0105	Pull Boxes Steel 12x24-Inch	EACH	4.000	4.000

1601-14-72

Line	Item	Item Description	Unit	Total	Qty
0790	655.0700	Loop Detector Lead In Cable	LF	8,279.000	8,279.000
0800	655.0800	Loop Detector Wire	LF	7,020.000	7,020.000
0810	690.0150	Sawing Asphalt	LF	3,102.000	3,102.000
0820	690.0250	Sawing Concrete	LF	851.000	851.000
0830	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	1,200.000	1,200.000
0840	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	600.000	600.000
0850	SPV.0035	Special 01. Mudjacking	CY	15.000	15.000
0860	SPV.0180	Special 01. Protective Thermoplastic Coating at Snowmobile Trail Crossings	SY	462.000	462.000

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204.0100 REMOVING PAVEMENT

STATION	LOCATION	SY	COMMENT
60+46	RT	8	SOUTH
60+46	RT	6	NORTH
63+38	RT	8	SOUTH
63+81	RT	8	NORTH
46+27	RT	9	SOUTH
46+93	RT	9	NORTH
	TOTAL	**48**	

204.0115 REMOVING ASPHALTIC SURFACE BUTT JOINTS

STATION	LOCATION	SY	COMMENT
21+46	LT	32	WILLOW ST
26+45	RT	51	WALL ST
33+45	RT	110	SPRUCE ST
45+43	LT	39	W. ILLINOIS ST
58+00	LT	39	W. MILL ST
58+00	RT	39	E. MCKINLEY ST
63+64	LT	39	JACKFROST ST
50+50	LT	53	BLUEBIRD RD
50+50	RT	52	HOSPITAL RD
64+00	LT	33	AIRPORT RD
64+00	RT	32	PLEASURE ISLAND RD
104+00	RT	67	PLEASURE ISLAND RD
104+00	LT	61	CTH G
124+00	RT	32	MCKINLEY BLVD
152+50	RT	33	CHAIN O LAKES RD
21+11	LT/RT	71	SOUTH TERMINI
174+00	LT/RT	28	NORTH TERMINI
	TOTAL	**811**	

204.0120 REMOVING ASPHALTIC SURFACE MILLING

STATION	TO	STATION	LOCATION	SY	COMMENT
21+11	-	22+80	LT,RT	1,355	MAINLINE
22+80	-	36+20	LT,RT	8,021	MAINLINE
33+55	-	-	RT	225	SPRUCE ST
39+65	-	55+00	LT,RT	10,213	MAINLINE
47+43	-	-	LT	122	W. ILLINOIS ST
55+00	-	48+00	LT,RT	9,079	MAINLINE
48+00	-	106+00	LT,RT	40,392	MAINLINE
104+04	-	-	LT	650	CTH G
104+16	-	-	RT	720	PLEASURE ISLAND RD
106+00	-	174+00	LT,RT	45,642	MAINLINE
			TOTAL	**116,419**	

204.0110 REMOVING ASPHALTIC SURFACE

STATION	LOCATION	SY	COMMENT
55+29	RT	22	LOOP DETECTOR
60+67	LT	28	LOOP DETECTOR
47+71	RT	19	LOOP DETECTOR
49+74	LT	16	LOOP DETECTOR
50+51	LT	67	LOOP DETECTOR
50+51	RT	61	LOOP DETECTOR
51+44	LT	17	LOOP DETECTOR
53+34	LT	20	LOOP DETECTOR
100+20	RT	24	LOOP DETECTOR
103+19	LT	16	LOOP DETECTOR
103+62	LT	56	LOOP DETECTOR
104+20	RT	51	LOOP DETECTOR
104+49	RT	45	LOOP DETECTOR
104+93	LT	17	LOOP DETECTOR
107+94	LT	21	LOOP DETECTOR
	TOTAL	**480**	

ALL ITEMS AND QUANTITIES ON THIS SHEET ARE CATEGORY 0010 UNLESS OTHERWISE NOTED

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204.0150 REMOVING CURB & GUTTER

STATION	TO	STATION	LOCATION	LF	COMMENT
	22+25		RT	10	INLET RECONSTRUCTION
	31+05		RT	10	INLET RECONSTRUCTION
	33+35		LT	10	INLET RECONSTRUCTION
	34+90		LT	10	INLET RECONSTRUCTION
	36+00		RT	10	INLET RECONSTRUCTION
36+17	-	36+36	LT	19	STRUCTURE APPROACH REPAIRS
36+18	-	36+26	LT	8	MEDIAN REPAIRS
36+44	-	36+51	LT	7	MEDIAN REPAIRS
36+44	-	36+59	LT	15	MEDIAN REPAIRS
36+50	-	36+74	RT	25	STRUCTURE APPROACH REPAIRS
39+08	-	39+16	LT	8	STRUCTURE APPROACH REPAIRS
39+24	-	39+38	LT	14	MEDIAN REPAIRS
39+32	-	39+38	LT	6	MEDIAN REPAIRS
39+47	-	39+69	RT	21	STRUCTURE APPROACH REPAIRS
	52+45		LT	10	INLET RECONSTRUCTION
	52+95		RT	10	INLET RECONSTRUCTION
	55+33		LT/RT	10	LOOP DETECTOR
	56+50		LT,RT	20	INLET RECONSTRUCTION
	60+63		LT	15	LOOP DETECTOR
	62+50		LT,RT	30	INLET RECONSTRUCTION
	46+50		LT	10	INLET RECONSTRUCTION
	47+50		LT,RT	20	INLET RECONSTRUCTION
	47+68		RT	5	LOOP DETECTOR
	49+75		LT	5	LOOP DETECTOR
	50+36		LT	10	LOOP DETECTOR
	50+61		RT	10	LOOP DETECTOR
	51+34		LT	5	LOOP DETECTOR
	53+39		LT	5	LOOP DETECTOR
	60+25		LT	10	INLET RECONSTRUCTION
	61+00		LT	10	INLET RECONSTRUCTION
	70+25		LT	10	INLET RECONSTRUCTION
	78+75		LT	10	INLET RECONSTRUCTION
	85+75		RT	10	INLET RECONSTRUCTION
	88+50		RT	10	INLET RECONSTRUCTION
	89+75		RT	10	INLET RECONSTRUCTION
	90+00		RT	10	INLET RECONSTRUCTION
	91+25		RT	10	INLET RECONSTRUCTION
	96+50		RT	10	INLET RECONSTRUCTION
	99+00		RT	10	INLET RECONSTRUCTION
	100+27		RT	10	LOOP DETECTOR
	103+30		LT	5	LOOP DETECTOR
	104+08		RT	5	LOOP DETECTOR
	104+83		LT	5	LOOP DETECTOR
	108+02		LT	10	LOOP DETECTOR
	112+75		LT	10	INLET RECONSTRUCTION
	112+85		RT	10	INLET RECONSTRUCTION
	123+75		RT	10	INLET RECONSTRUCTION
	139+74		RT	10	INLET RECONSTRUCTION
	140+04		LT	10	INLET RECONSTRUCTION
	142+99		LT	10	INLET RECONSTRUCTION
	151+76		LT	10	INLET RECONSTRUCTION
	159+26		RT	10	INLET RECONSTRUCTION
	REPAIR SUBTOTAL			563	

204.0150 REMOVING CURB & GUTTER (CONT.)

STATION	TO	STATION	LOCATION	LF	COMMENT
	21+16		LT	32	WILLOW ST
	21+71		LT	32	WILLOW ST
	29+87		LT	20	-
	33+15		RT	58	SPRUCE ST
	33+50		RT	50	SPRUCE ST
	34+00		RT	67	SPRUCE ST
	47+10		LT	33	W. ILLINOIS ST
	47+75		LT	33	W. ILLINOIS ST
	57+50		RT	41	E. MCKINLEY ST
	58+60		RT	38	E. MCKINLEY ST
	57+50		LT	50	W. MILL ST
	58+37		LT	37	W. MILL ST
	60+46		RT	34	SOUTH
	60+46		RT	26	NORTH
	63+38		LT	34	JACK FROST
	64+00		LT	37	JACK FROST
	63+38		RT	32	SOUTH
	63+81		RT	31	NORTH
	46+27		RT	36	SOUTH
	46+93		RT	36	NORTH
	46+50		LT	41	SOUTH
	47+06		LT	44	NORTH
	50+00		RT	49	HOSPITAL ROAD
	51+00		RT	54	HOSPITAL ROAD
	50+00		LT	46	BLUEBIRD RD
	51+00		LT	34	BLUEBIRD RD
	63+50		RT	33	PLEASURE ISLAND RD
	64+50		RT	34	PLEASURE ISLAND RD
	63+66		LT	31	AIRPORT RD
	82+12		RT	38	ENTRANCE
	82+78		RT	47	ENTRANCE
	93+50		RT	31	ENTRANCE
	94+00		RT	31	ENTRANCE
	103+56		RT	29	PLEASURE ISLAND RD
	104+39		RT	73	PLEASURE ISLAND RD
	104+75		RT	35	PLEASURE ISLAND RD
	103+50		LT	34	CTH G
	103+72		LT	59	CTH G
	104+55		LT	35	CTH G
	123+70		RT	31	MCKINLEY BLVD
			CURB RAMP SUBTOTAL		1,566
			TOTAL		**2,129**

204.0155 REMOVING CONCRETE SIDEWALK

STATION	TO	STATION	LOCATION	SY	COMMENT
36+17	-	36+36	LT	12	STRUCTURE APPROACH REPAIRS
36+44	-	36+59	LT	15	CONCRETE MEDIAN REPAIRS
36+49	-	36+77	RT	14	STRUCTURE APPROACH REPAIRS
39+04	-	39+16	LT	7	STRUCTURE APPROACH REPAIRS
39+24	-	39+39	LT	15	CONCRETE MEDIAN REPAIRS
39+48	-	39+69	RT	10	STRUCTURE APPROACH REPAIRS
	55+34		LT	9	LOOP DETECTOR
	60+60		LT	25	LOOP DETECTOR
	49+85		LT	9	LOOP DETECTOR
	51+23		LT	10	LOOP DETECTOR
	103+44		LT	10	LOOP DETECTOR
	104+06		RT	8	LOOP DETECTOR
	104+73		LT	10	LOOP DETECTOR
21+00	-	21+71	LT	33	WILLOW ST
29+72	-	30+02	LT	24	DIVISION ST
33+01	-	33+96	RT	68	SPRUCE ST
47+08	-	47+77	LT	14	W. ILLINOIS ST
57+13	-	58+78	RT	60	E. MCKINLEY ST
57+33	-	58+58	LT	58	W. MILL ST
60+02	-	60+26	RT	29	ENTRANCE
60+69		63+26	RT	33	ENTRANCE
62+95	-	64+32	LT	49	JACK FROST ST
46+28	-	47+14	RT	17	ENTRANCE
46+45	-	47+16	LT	22	ENTRANCE
49+66	-	51+16	RT	121	HOSPITAL RD
49+80	-	51+32	LT	105	BLUEBIRD RD
63+37		64+66	RT	56	PLEASURE ISLAND RD
63+51	-	63+77	LT	14	AIRPORT RD
81+91	-	83+03	RT	48	ENTRANCE
93+19	-	94+32	RT	49	ENTRANCE
103+28	-	105+13	RT	74	PLEASURE ISLAND RD
103+28	-	104+65	LT	43	CTH G
123+46	-	123+78	RT	25	MCKINLEY BLVD
			TOTAL	**1,096**	

ALL ITEMS AND QUANTITIES ON THIS SHEET ARE CATEGORY 0010 UNLESS OTHERWISE NOTED

205.0100 EXCAVATION COMMON

STATION	TO	STATION	LOCATION	CY	COMMENT
	22+25		RT	1.5	INLET RECONSTRUCTION
	31+05		RT	1.5	INLET RECONSTRUCTION
	33+35		LT	1.5	INLET RECONSTRUCTION
	34+90		LT	1.5	INLET RECONSTRUCTION
	36+00		RT	1.5	INLET RECONSTRUCTION
36+17	-	36+37	LT	2	STRUCTURE APPROACH REPAIRS
36+44	-	36+60	LT	2	MEDIAN REPAIRS
36+49	-	36+77	RT	2	STRUCTURE APPROACH REPAIRS
39+05	-	39+16	LT	1	STRUCTURE APPROACH REPAIRS
39+24	-	39+39	LT	2	MEDIAN REPAIRS
39+46	-	39+69	RT	2	STRUCTURE APPROACH REPAIRS
	52+45		LT	1.5	INLET RECONSTRUCTION
	52+95		RT	1.5	INLET RECONSTRUCTION
	56+50		LT,RT	3	INLET RECONSTRUCTION
	62+50		LT,RT	4.5	INLET RECONSTRUCTION
	46+50		LT	1.5	INLET RECONSTRUCTION
	47+50		LT,RT	3	INLET RECONSTRUCTION
	60+25		LT	1.5	INLET RECONSTRUCTION
	61+00		LT	1.5	INLET RECONSTRUCTION
	70+25		LT	1.5	INLET RECONSTRUCTION
	78+75		LT	1.5	INLET RECONSTRUCTION
	85+75		RT	1.5	INLET RECONSTRUCTION
	88+50		RT	1.5	INLET RECONSTRUCTION
	89+75		RT	1.5	INLET RECONSTRUCTION
	90+00		RT	1.5	INLET RECONSTRUCTION
	91+25		RT	1.5	INLET RECONSTRUCTION
	99+00		RT	1.5	INLET RECONSTRUCTION
	112+75		LT	1.5	INLET RECONSTRUCTION
	112+85		RT	1.5	INLET RECONSTRUCTION
	123+75		RT	1.5	INLET RECONSTRUCTION
	139+74		RT	1.5	INLET RECONSTRUCTION
	140+04		LT	1.5	INLET RECONSTRUCTION
	142+99		LT	1.5	INLET RECONSTRUCTION
	151+76		LT	1.5	INLET RECONSTRUCTION
	159+26		RT	1.5	INLET RECONSTRUCTION
	REPAIR SUBTOTAL			60.5	
21+15	-	21+71	LT	5	WILLOW ST SIDEWALK
	21+16		LT	5	WILLOW ST CURB REPLACEMENT
	21+71		LT	5	WILLOW ST CURB REPLACEMENT
	29+87		LT	5	DIVISION ST CURB & SIDEWALK
33+00	-	34+00	RT	6	SPRUCE ST SIDEWALK
	33+15		RT	9	SPRUCE ST CURB REPLACEMENT
	33+50		RT	7	SPRUCE ST CURB REPLACEMENT
	34+00		RT	10	SPRUCE ST CURB REPLACEMENT
	CURB RAMP SUBTOTAL			52.0	

205.0100 EXCAVATION COMMON (CONT.)

STATION	TO	STATION	LOCATION	CY	COMMENT
47+00	-	47+80	LT	2	W. ILLINOIS ST SIDEWALK
	47+10		LT	5	W. ILLINOIS ST CURB REPLACEMENT
	47+75		LT	5	W. ILLINOIS ST CURB REPLACEMENT
57+13	-	58+78	RT	9	E. MCKINLEY ST SIDEWALK
57+42	-	58+59	LT	7	W. MILL ST SIDEWALK
	57+50		RT	6	E. MCKINLEY ST CURB REPLACEMENT
	58+60		RT	5	E. MCKINLEY ST CURB REPLACEMENT
	57+50		LT	7	W. MILL ST CURB REPLACEMENT
	58+37		LT	5	W. MILL ST CURB REPLACEMENT
	60+46		RT	5	SOUTH CURB REPLACEMENT
	60+46		RT	4	NORTH CURB REPLACEMENT
62+90	-	64+32	LT	4	JACK FROST ST SIDEWALK
63+00	-	63+90	RT	4	SIDEWALK
	63+38		LT	5	JACK FROST CURB REPLACEMENT
	64+00		LT	5	JACK FROST CURB REPLACEMENT
	63+38		RT	5	SOUTH CURB REPLACEMENT
	63+81		RT	5	NORTH CURB REPLACEMENT
	46+27		RT	5	SOUTH CURB REPLACEMENT
46+28		47+02	RT	3	SIDEWALK
	46+50		LT	6	SOUTH CURB REPLACEMENT
46+52	-	47+06	LT	3	SIDEWALK
	46+93		RT	5	NORTH CURB REPLACEMENT
	47+06		LT	6	NORTH CURB REPLACEMENT
49+65	-	51+16	RT	11	HOSPITAL RD SIDEWALK
49+80	-	51+32	LT	10	BLUEBIRD RD SIDEWALK
	50+00		RT	7	HOSPITAL ROAD CURB REPLACEMENT
	51+00		RT	7	HOSPITAL ROAD CURB REPLACEMENT
	50+00		LT	6	BLUEBIRD RD CURB REPLACEMENT
	51+00		LT	5	BLUEBIRD RD CURB REPLACEMENT
63+37		64+66	RT	7	PLEASURE ISLAND RD SIDEWALK
	63+50		RT	5	PLEASURE ISLAND RD CURB REPLACEMENT
	63+66		LT	4	AIRPORT RD CURB REPLACEMENT
	64+36		LT	2	AIRPORT RD SIDEWALK
	64+50		RT	5	PLEASURE ISLAND RD CURB REPLACEMENT
81+90	-	83+00	RT	4	ENTRANCE S. SIDEWALK
	82+12		RT	6	ENTRANCE S. CURB REPLACEMENT
	82+78		RT	7	ENTRANCE S. CURB REPLACEMENT
93+20	-	94+32	RT	5	ENTRANCE RD N. SIDEWALK
	93+50		RT	4	ENTRANCE N. CURB REPLACEMENT
	94+00		RT	4	ENTRANCE N. CURB REPLACEMENT
103+26	-	104+66	LT	4	CTH G SIDEWALK
103+29	-	105+13	RT	7	PLEASURE ISLAND RD SIDEWALK
	103+56		RT	4	PLEASURE ISLAND RD CURB REPLACEMENT
	104+39		RT	12	PLEASURE ISLAND RD CURB REPLACEMENT
	104+75		RT	5	PLEASURE ISLAND RD CURB REPLACEMENT
	103+50		LT	5	CTH G CURB REPLACEMENT
	103+72		LT	9	CTH G CURB REPLACEMENT
	104+55		LT	5	CTH G CURB REPLACEMENT
123+48	-	123+81	RT	2	MCKINLEY BLVD SIDEWALK
	123+70		RT	4	MCKINLEY BLVD CURB REPLACEMENT
		CURB RAMP SUBTOTAL		272.0	
			TOTAL	**385**	

ALL ITEMS AND QUANTITIES ON THIS SHEET ARE CATEGORY 0010 UNLESS OTHERWISE NOTED

BASE AGGREGATE DENSE

STATION	TO	STATION	LOCATION	305.0110 3/4-INCH TON	305.0120 1 1/4-INCH TON	624.0100 WATER MGAL	COMMENT
	22+25		RT	-	2	0.040	INLET RECONTSTRUCTION
	31+05		RT	-	2	0.040	INLET RECONTSTRUCTION
	33+35		LT	-	2	0.040	INLET RECONTSTRUCTION
	34+90		LT	-	2	0.040	INLET RECONTSTRUCTION
	36+00		RT	-	2	0.040	INLET RECONTSTRUCTION
36+17	-	36+37	LT	-	4	0.080	STRUCTURE APPROACH REPAIRS
36+44	-	36+60	LT	-	4	0.080	MEDIAN REPAIRS
36+49	-	36+77	RT	-	5	0.100	STRUCTURE APPROACH REPAIRS
39+05	-	39+16	LT	-	2	0.040	STRUCTURE APPROACH REPAIRS
39+24	-	39+39	LT	-	4	0.080	MEDIAN REPAIRS
39+46	-	39+69	RT	-	4	0.080	STRUCTURE APPROACH REPAIRS
	52+45		LT	-	2	0.040	INLET RECONTSTRUCTION
	52+95		RT	-	2	0.040	INLET RECONTSTRUCTION
	56+50		LT,RT	-	4	0.080	INLET RECONTSTRUCTION
	62+50		LT,RT	-	6	0.120	INLET RECONTSTRUCTION
	46+50		LT	-	2	0.040	INLET RECONTSTRUCTION
	47+50		LT,RT	-	4	0.080	INLET RECONTSTRUCTION
	60+25		LT	-	2	0.040	INLET RECONTSTRUCTION
	61+00		LT	-	2	0.040	INLET RECONTSTRUCTION
	70+25		LT	-	2	0.040	INLET RECONTSTRUCTION
	78+75		LT	-	2	0.040	INLET RECONTSTRUCTION
	85+75		RT	-	2	0.040	INLET RECONTSTRUCTION
	88+50		RT	-	2	0.040	INLET RECONTSTRUCTION
	89+75		RT	-	2	0.040	INLET RECONTSTRUCTION
	90+00		RT	-	2	0.040	INLET RECONTSTRUCTION
	91+25		RT	-	2	0.040	INLET RECONTSTRUCTION
	96+50		RT	-	2	0.040	INLET RECONTSTRUCTION
	99+00		RT	-	2	0.040	INLET RECONTSTRUCTION
	112+75		LT	-	2	0.040	INLET RECONTSTRUCTION
	112+85		RT	-	2	0.040	INLET RECONTSTRUCTION
	123+75		RT	-	2	0.040	INLET RECONTSTRUCTION
	139+74		RT	-	2	0.040	INLET RECONTSTRUCTION
	140+04		LT	-	2	0.040	INLET RECONTSTRUCTION
	142+99		LT	-	2	0.040	INLET RECONTSTRUCTION
	151+76		LT	-	2	0.040	INLET RECONTSTRUCTION
	159+26		RT	-	2	0.040	INLET RECONTSTRUCTION
	REPAIR SUBTOTALS			-	91	1.820	
21+15	-	21+71	LT	9	-	0.180	WILLOW ST
	21+16		LT	-	9	0.180	WILLOW ST CURB REPLACEMENT
	21+71		LT	-	9	0.180	WILLOW ST CURB REPLACEMENT
	29+87		LT	6.0	4	0.124	DIVISION ST
33+00	-	34+00	RT	17	-	0.340	SPRUCE ST
	33+15		RT	-	17	0.340	SPRUCE ST CURB REPLACEMENT
	33+50		RT	-	14	0.280	SPRUCE ST CURB REPLACEMENT
	34+00		RT	-	19	0.380	SPRUCE ST CURB REPLACEMENT
47+00	-	47+80	LT	4	-	0.080	W. ILLINOIS ST
	47+10		LT	-	9	0.180	W. ILLINOIS ST CURB REPLACEMENT
	47+75		LT	-	9	0.180	W. ILLINOIS ST CURB REPLACEMENT
57+13	-	58+78	RT	19	-	0.380	E. MCKINLEY ST
	CURB RAMP SUBTOTALS			55	90	2.824	

BASE AGGREGATE DENSE (CONT.)

STATION	TO	STATION	LOCATION	305.0110 3/4-INCH TON	305.0120 1 1/4-INCH TON	624.0100 WATER MGAL	COMMENT
57+42	-	58+59	LT	14	-	0.280	W. MILL ST
	57+50		RT	-	11	0.220	E. MCKINLEY ST CURB REPLACEMENT
	57+50		LT	-	14	0.280	W. MILL ST CURB REPLACEMENT
	58+37		LT	-	10	0.200	W. MILL ST CURB REPLACEMENT
	58+60		RT	-	11	0.220	E. MCKINLEY ST CURB REPLACEMENT
	60+46		RT	8.0	-	0.160	ENTRANCE
	60+46		RT	-	10	0.200	SOUTH CURB REPLACEMENT
	60+46		RT	-	7	0.140	NORTH CURB REPLACEMENT
62+90	-	64+32	LT	9	-	0.180	JACK FROST ST
63+00	-	63+90	RT	7	-	0.140	ENTRANCE
	63+38		RT	-	9	0.180	SOUTH CURB REPLACEMENT
	63+38		LT	-	1	0.028	JACK FROST CURB REPLACEMENT
	63+81		RT	-	9	0.180	NORTH CURB REPLACEMENT
	64+00		LT	-	2	0.040	JACK FROST CURB REPLACEMENT
	46+27		RT	-	10	0.200	SOUTH CURB REPLACEMENT
46+28		47+02	RT	6	-	0.120	ENTRANCE
	46+50		LT	-	12	0.240	SOUTH CURB REPLACEMENT
46+52	-	47+06	LT	5	-	0.100	ENTRANCE
	46+93		RT	-	10	0.200	NORTH CURB REPLACEMENT
	47+06		LT	-	12	0.240	NORTH CURB REPLACEMENT
49+65	-	51+16	RT	23	-	0.460	HOSPITAL RD
49+80	-	51+32	LT	22	-	0.440	BLUEBIRD RD
	50+00		RT	-	14	0.280	HOSPITAL ROAD CURB REPLACEMENT
	50+00		LT	-	13	0.260	BLUEBIRD RD CURB REPLACEMENT
	51+00		RT	-	15	0.300	HOSPITAL ROAD CURB REPLACEMENT
	51+00		LT	-	9	0.180	BLUEBIRD RD CURB REPLACEMENT
63+37		64+66	RT	15	-	0.300	PLEASURE ISLAND RD
	63+50		RT	-	9	0.180	PLEASURE ISLAND RD CURB REPLACEMENT
	63+66		LT	-	9	0.180	AIRPORT RD CURB REPLACEMENT
	64+36		LT	5	-	0.100	AIRPORT RD
	64+50		RT	-	10	0.200	PLEASURE ISLAND RD CURB REPLACEMENT
81+90	-	83+00	RT	10	-	0.200	ENTRANCE S.
	82+12		RT	-	11	0.220	ENTRANCE S. CURB REPLACEMENT
	82+78		RT	-	13	0.260	ENTRANCE RD S. CURB REPLACEMENT
93+20	-	94+32	RT	11	-	0.220	ENTRANCE N.
	93+50		RT	-	9	0.180	ENTRANCE N. CURB REPLACEMENT
	94+00		RT	-	9	0.180	ENTRANCE N. CURB REPLACEMENT
103+29	-	105+13	RT	24	-	0.480	PLEASURE ISLAND RD
103+26	-	104+66	LT	17	-	0.340	CTH G
	103+50		LT	-	9	0.180	CTH G CURB REPLACEMENT
	103+56		RT	-	8	0.160	PLEASURE ISLAND RD CURB REPLACEMENT
	103+72		LT	-	19	0.380	CTH G CURB REPLACEMENT
	104+39		RT	-	24	0.480	PLEASURE ISLAND RD CURB REPLACEMENT
	104+55		LT	-	9	0.180	CTH G CURB REPLACEMENT
	104+75		RT	-	10	0.200	PLEASURE ISLAND RD CURB REPLACEMENT
123+48	-	123+81	RT	5	-	0.100	MCKINLEY BLVD
	123+70		RT	-	9	0.180	MCKINLEY BLVD CURB REPLACEMENT
			CURB RAMP SUBTOTALS	181	337	10.368	
			TOTALS	**236**	**518**	**15**	

ALL ITEMS AND QUANTITIES ON THIS SHEET ARE CATEGORY 0010 UNLESS OTHERWISE NOTED

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416.0160 CONCRETE DRIVEWAY 6-INCH

STATION	LOCATION	SY	COMMENT
60+46	RT	4	SOUTH
60+46	RT	8	NORTH
63+38	RT	8	SOUTH
63+81	RT	8	NORTH
46+27	RT	8	SOUTH
46+93	RT	8	NORTH
	TOTAL	**44**	

416.0610 DRILLED TIE BARS

STATION	TO	STATION	LOCATION	EACH	COMMENT
36+17	-	36+36	LT	8	STRUCTURE APPROACH REPAIRS
36+18	-	36+26	LT	3	MEDIAN REPAIRS
36+44	-	36+51	LT	3	MEDIAN REPAIRS
36+44	-	36+59	LT	6	MEDIAN REPAIRS
36+50	-	36+74	RT	9	STRUCTURE APPROACH REPAIRS
39+08	-	39+16	LT	3	STRUCTURE APPROACH REPAIRS
39+24	-	39+38	LT	6	MEDIAN REPAIRS
39+32	-	39+38	LT	2	MEDIAN REPAIRS
39+47	-	39+69	RT	9	STRUCTURE APPROACH REPAIRS
	60+46		RT	24	CONCRETE DRIVEWAY
63+38	-	63+81	RT	28	CONCRETE DRIVEWAY
43+27	-	46+93	RT	20	CONCRETE DRIVEWAY
			TOTAL	**121**	

HMA PAVEMENT

				455.0605	**460.6444**	
				TACK COAT	4 MT 58-34 H	
STATION	TO	STATION	LOCATION	GAL	TON	COMMENT
21+11	-	22+80	LT,RT	95	156	MAINLINE
22+80	-	36+20	LT,RT	561	922	MAINLINE
33+55	-	-	RT	16	26	SPRUCE ST
39+65	-	55+00	LT,RT	715	1,174	MAINLINE
47+43	-	-	LT	9	14	W. ILLINOIS ST
55+00	-	48+00 AH	LT,RT	636	1,044	MAINLINE
48+00	-	106+00	LT,RT	2,827	4,645	MAINLINE
104+04	-	-	LT	46	75	CTH G
104+16	-	-	RT	50	83	PLEASURE ISLAND RD
106+00	-	174+00	LT,RT	3,195	5,249	MAINLINE
MAINLINE SUBTOTAL				8,150	13,388	
	55+29		RT	-	5	LOOP DETECTOR
	60+67		LT	-	6	LOOP DETECTOR
	47+71		RT	-	4	LOOP DETECTOR
	49+74		LT	-	4	LOOP DETECTOR
	50+51		LT	-	10	LOOP DETECTOR
	50+51		RT	-	9	LOOP DETECTOR
	51+44		LT	-	2	LOOP DETECTOR
	53+34		LT	-	3	LOOP DETECTOR
	100+20		RT	-	4	LOOP DETECTOR
	103+19		LT	-	2	LOOP DETECTOR
	103+62		LT	-	8	LOOP DETECTOR
	104+20		RT	-	7	LOOP DETECTOR
	104+49		RT	-	7	LOOP DETECTOR
	104+93		LT	-	2	LOOP DETECTOR
	107+94		LT	-	3	LOOP DETECTOR
LOOP DETECTOR SUBTOTAL				-	76	

HMA PAVEMENT (CONT.)

				455.0605	**460.6444**	
				TACK COAT	4 MT 58-34 H	
STATION	TO	STATION	LOCATION	GAL	TON	COMMENT
	21+16		LT	-	2.7	WILLOW ST
	21+71		LT	-	2.7	WILLOW ST
	29+87		LT	-	1.5	DIVISION ST
	31+51		RT	-	4.3	SPRUCE ST
	33+15		RT	-	5.3	SPRUCE ST
	34+00		RT	-	5.7	SPRUCE ST
	47+10		LT	-	2.1	W. ILLINOIS ST
	47+75		LT	-	2.1	W. ILLINOIS ST
	57+50		RT	-	2.4	E. MCKINLEY ST
	58+60		RT	-	2.3	E. MCKINLEY ST
	57+50		LT	-	3.2	W. MILL ST
	58+37		LT	-	2.2	W. MILL ST
	63+38		LT	-	2.2	JACK FROST
	64+00		LT	-	2.3	JACK FROST
	46+50		LT	-	2.7	SOUTH
	47+06		LT	-	2.7	NORTH
	50+00		RT	-	3.0	HOSPITAL ROAD
	51+00		RT	-	3.3	HOSPITAL ROAD
	50+00		LT	-	2.9	BLUEBIRD RD
	51+00		LT	-	2.1	BLUEBIRD RD
	63+50		RT	-	2.0	PLEASURE ISLAND RD
	64+50		RT	-	5.6	PLEASURE ISLAND RD
	63+66		LT	-	2.0	AIRPORT RD
	82+12		RT	-	2.5	ENTRANCE S.
	82+78		RT	-	2.9	ENTRANCE S.
	93+50		RT	-	2.0	ENTRANCE N.
	94+00		RT	-	2.0	ENTRANCE N.
	103+56		RT	-	1.8	PLEASURE ISLAND RD
	104+38		RT	-	4.9	PLEASURE ISLAND RD
	104+75		RT	-	2.1	PLEASURE ISLAND RD
	103+50		LT	-	2.0	CTH G
	103+72		LT	-	4.1	CTH G
	104+55		LT	-	2.1	CTH G
	123+70		RT	-	2.0	MCKINLEY BLVD
	CURB RAMP SUBTOTAL			-	96	
				TOTALS	**8,150**	**13,560**

460.4110.S REHEATING HMA PAVEMENT LONGITUDINAL JOINTS

STATION	TO	STATION	LOCATION	LF	COMMENT
21+11	-	36+21	RT	1,510	BOP - STRUCTURE B-63-15
39+88	-	165+55	RT	14,556	STRUCTURE B-63-15 - EOP
21+11	-	35+97	LT	1,486	BOP - STRUCTURE B-63-15
39+64	-	165+55	LT	14,580	STRUCTURE B-63-15 - EOP
			TOTAL	**32,132**	

509.1500 CONCRETE SURFACE REPAIR

STATION	TO	STATION	LOCATION	SF	COMMENT
35+97.47	-	36+50.46	LT	110	APPROACH SLAB REPAIRS
36+20.56	-	36+72.74	RT	110	APPROACH SLAB REPAIRS
39+09.97	-	39+64.07	LT	115	APPROACH SLAB REPAIRS
39+32.80	-	39+87.80	RT	115	APPROACH SLAB REPAIRS
			TOTAL	**450**	

ALL ITEMS AND QUANTITIES ON THIS SHEET ARE CATEGORY 0010 UNLESS OTHERWISE NOTED

CONCRETE CURB & GUTTER

STATION	TO	STATION	LOCATION	601.0407 18-INCH TYPE D LF	601.0409 30-INCH TYPE A LF	601.0411 30-INCH TYPE D LF	601.0600 CONCRETE CURB PEDESTRIAN LF	COMMENT
	22+25		RT	-	-	10	-	INLET RECONSTRUCTION
	31+05		RT	10	-	-	-	INLET RECONSTRUCTION
	33+35		LT	10	-	-	-	INLET RECONSTRUCTION
	34+90		LT	10	-	-	-	INLET RECONSTRUCTION
	36+00		RT	-	-	10	-	INLET RECONSTRUCTION
36+17	-	36+36	LT	-	-	19	-	STRUCTURE APPROACH REPAIRS
36+18	-	36+26	LT	8	-	-	-	MEDIAN REPAIRS
36+44	-	36+51	LT	7	-	-	-	MEDIAN REPAIRS
36+44	-	36+59	LT	15	-	-	-	MEDIAN REPAIRS
36+50	-	36+74	RT	-	-	25	-	STRUCTURE APPROACH REPAIRS
39+08	-	39+16	LT	-	-	8	-	STRUCTURE APPROACH REPAIRS
39+24	-	39+38	LT	14	-	-	-	MEDIAN REPAIRS
39+32	-	39+69	LT	6	-	-	-	MEDIAN REPAIRS
39+47	-	39+69	RT	-	-	21	-	STRUCTURE APPROACH REPAIRS
	52+45		LT	-	-	10	-	INLET RECONSTRUCTION
	52+95		RT	-	-	10	-	INLET RECONSTRUCTION
	55+33		LT	10	-	-	-	LOOP DETECTOR
	56+50		LT	-	-	10	-	INLET RECONSTRUCTION
	56+50		RT	-	-	10	-	INLET RECONSTRUCTION
	60+63		LT	15	-	-	-	LOOP DETECTOR
	62+50		LT,RT	10	-	20	-	INLET RECONSTRUCTION
	46+50		LT	-	-	10	-	INLET RECONSTRUCTION
	47+50		LT,RT	-	-	20	-	INLET RECONSTRUCTION
	47+68		RT	-	-	5	-	LOOP DETECTOR
	49+75		LT	5	-	-	-	LOOP DETECTOR
	50+36		LT	-	-	10	-	LOOP DETECTOR
	50+61		RT	-	-	10	-	LOOP DETECTOR
	51+34		LT	5	-	-	-	LOOP DETECTOR
	53+39		LT	-	-	5	-	LOOP DETECTOR
	60+25		LT	-	-	10	-	INLET RECONSTRUCTION
	61+00		LT	-	-	10	-	INLET RECONSTRUCTION
	70+25		LT	-	-	10	-	INLET RECONSTRUCTION
	78+75		LT	-	-	10	-	INLET RECONSTRUCTION
	85+75		RT	-	-	10	-	INLET RECONSTRUCTION
	88+50		RT	-	-	10	-	INLET RECONSTRUCTION
	89+75		RT	-	-	10	-	INLET RECONSTRUCTION
	90+00		RT	-	-	10	-	INLET RECONSTRUCTION
	91+25		RT	-	-	10	-	INLET RECONSTRUCTION
	96+50		RT	-	-	10	-	INLET RECONSTRUCTION
	99+00		RT	-	-	10	-	INLET RECONSTRUCTION
	100+27		RT	-	-	10	-	LOOP DETECTOR
	103+30		LT	5	-	-	-	LOOP DETECTOR
	104+08		RT	5	-	-	-	LOOP DETECTOR
	104+83		LT	5	-	-	-	LOOP DETECTOR
	108+02		LT	-	-	10	-	LOOP DETECTOR
	112+75		LT	-	-	10	-	INLET RECONSTRUCTION
	112+85		RT	-	-	10	-	INLET RECONSTRUCTION
	123+75		RT	-	-	10	-	INLET RECONSTRUCTION
	REPAIR SUBTOTAL			140	0	373	0	

CONCRETE CURB & GUTTER (CONT.)

STATION	TO	STATION	LOCATION	601.0407 18-INCH TYPE D LF	601.0409 30-INCH TYPE A LF	601.0411 30-INCH TYPE D LF	601.0600 CONCRETE CURB PEDESTRIAN LF	COMMENT
	139+74		RT	-	-	10	-	INLET RECONSTRUCTION
	140+04		LT	-	-	10	-	INLET RECONSTRUCTION
	142+99		LT	-	-	10	-	INLET RECONSTRUCTION
	151+76		LT	-	-	10	-	INLET RECONSTRUCTION
	159+26		RT	-	-	10	-	INLET RECONSTRUCTION
	REPAIR SUBTOTAL			-	-	50	-	
	21+16		LT	-	-	33	-	WILLOW ST
	21+71		LT	-	-	32	-	WILLOW ST
	29+87		LT	19	-	-	-	DIVISION ST
	33+15		RT	-	-	59	-	SPRUCE ST
	33+50		RT	36	-	-	-	SPRUCE ST
	34+00		RT	-	-	67	-	SPRUCE ST
	47+10		LT	-	-	33	-	W. ILLINOIS ST
	47+75		LT	-	-	111	-	W. ILLINOIS ST
	57+50		RT	-	-	41	-	E. MCKINLEY ST
	58+60		RT	-	-	96	-	E. MCKINLEY ST
	57+50		LT	-	-	51	-	W. MILL ST
	58+37		LT	-	-	82	-	W. MILL ST
	60+46		RT	-	34	-	-	SOUTH
	60+46		RT	-	26	-	-	NORTH
	63+38		LT	-	-	35	-	JACK FROST
	64+00		LT	-	-	37	-	JACK FROST
	63+38		RT	-	32	-	-	SOUTH
	63+81		RT	-	32	-	-	NORTH
	46+27		RT	-	36	-	18	SOUTH
	46+93		RT	-	36	-	18	NORTH
	46+50		LT	-	-	41	-	SOUTH
	47+06		LT	-	-	44	-	NORTH
	50+00		RT	-	-	49	-	HOSPITAL ROAD
	51+00		RT	-	-	53	-	HOSPITAL ROAD
	50+00		LT	-	-	46	-	BLUEBIRD RD
	51+00		LT	-	-	34	-	BLUEBIRD RD
	63+50		RT	-	-	33	-	PLEASURE ISLAND RD
	64+50		RT	-	-	34	-	PLEASURE ISLAND RD
	63+66		LT	-	-	31	-	AIRPORT RD
	82+12		RT	-	-	38	-	ENTRANCE S.
	82+78		RT	-	-	47	-	ENTRANCE S.
	93+50		RT	-	-	71	-	ENTRANCE N.
	94+00		RT	-	-	71	-	ENTRANCE N.
	103+56		RT	-	-	55	-	PLEASURE ISLAND RD
	104+39		RT	59	-	-	-	PLEASURE ISLAND RD
	104+75		RT	-	-	35	-	PLEASURE ISLAND RD
	103+50		LT	-	-	34	-	CTH G
	103+72		LT	47	-	-	-	CTH G
	104+55		LT	-	-	34	-	CTH G
	123+70		RT	-	-	32	-	MCKINLEY BLVD
			CURB RAMP SUBTOTAL	161	196	1,459	36	
			TOTALS	**301**	**196**	**1,882**	**36**	

ALL ITEMS AND QUANTITIES ON THIS SHEET ARE CATEGORY 0010 UNLESS OTHERWISE NOTED

CONCRETE SIDEWALK ITEMS

STATION	TO	STATION	LOCATION	602.0415 CONCRETE SIDEWALK 6-INCH SF	602.0505 CURB RAMP DETECTABLE WARNING FIELD YELLOW SF	602.2400 CONCRETE SAFETY ISLANDS SF	COMMENT
36+17	-	36+36	LT	105	-	-	STRUCTURE APPROACH REPAIRS
36+44	-	36+59	LT	-	-	135	MEDIAN REPAIRS
36+49	-	36+77	RT	125	-	-	STRUCTURE APPROACH REPAIRS
39+04	-	39+16	LT	65	-	-	STRUCTURE APPROACH REPAIRS
39+24	-	39+39	LT	-	-	135	MEDIAN REPAIRS
39+48	-	39+69	RT	90	-	-	STRUCTURE APPROACH REPAIRS
	55+34		LT	-	-	79	LOOP DETECTOR
	60+60		LT	-	-	221	LOOP DETECTOR
	49+85		LT	-	-	81	LOOP DETECTOR
	51+23		LT	-	-	92	LOOP DETECTOR
	103+44		LT	-	-	93	LOOP DETECTOR
	104+06		RT	-	-	76	LOOP DETECTOR
	104+73		LT	-	-	91	LOOP DETECTOR
			REPAIR SUBTOTAL	385	-	1,003	
21+00	-	21+71	LT	317	20	-	WILLOW ST SIDEWALK
29+72	-	30+02	LT	233	10	-	DIVISION ST SIDEWALK
33+01	-	33+96	RT	560	40	-	SPRUCE ST SIDEWALK
47+08	-	47+77	LT	127	25	-	W. ILLINOIS ST SIDEWALK
57+13	-	58+78	RT	641	20	-	E. MCKINLEY ST SIDEWALK
57+33	-	58+58	LT	461	30	-	W. MILL ST SIDEWALK
60+02	-	60+94	RT	271	20	-	ENTRANCE SIDEWALK
62+98	-	63+90	RT	228	25	-	ENTRANCE SIDEWALK
62+90	-	64+32	LT	310	30	-	JACK FROST ST SIDEWALK
46+28		47+14	RT	189	30	-	ENTRANCE SIDEWALK
46+45	-	47+16	LT	186	20	-	ENTRANCE SIDEWALK
49+66	-	51+16	RT	783	30	-	HOSPITAL RD SIDEWALK
49+80	-	51+32	LT	750	20	-	BLUEBIRD RD SIDEWALK
63+37		64+66	RT	526	20	-	PLEASURE ISLAND RD SIDEWALK
63+51	-	63+77	LT	175	10	-	AIRPORT RD SIDEWALK
81+91	-	83+03	RT	312	20	-	ENTRANCE S. SIDEWALK
93+19	-	94+32	RT	339	20	-	ENTRANCE N. SIDEWALK
103+28	-	105+13	RT	681	45	-	PLEASURE ISLAND RD SIDEWALK
103+28	-	104+65	LT	459	50	-	CTH G SIDEWALK
123+46	-	123+78	RT	170	10	-	MCKINLEY BLVD SIDEWALK
			CURB RAMP SUBTOTAL	7,718	495	-	
			TOTAL	**8,103**	**495**	**1,003**	

INLET RECONSTRUCTION

STATION	LOCATION	611.0430 RECONSTRUCTING INLETS EA	611.0624 INLET COVERS TYPE H EA	COMMENT
22+25	RT	1	-	
31+05	RT	1	-	
33+35	LT	1	-	
34+90	LT	1	-	
36+00	RT	1	-	
52+45	LT	1	-	
52+95	RT	1	-	
56+50	LT,RT	2	-	
62+50	LT,RT	3	-	
46+50	LT	1	-	
47+50	LT,RT	2	-	
60+25	LT	1	-	
61+00	LT	1	-	
70+25	LT	1	1	
78+75	LT	1	1	
85+75	RT	1	-	
88+50	RT	1	-	
89+75	RT	1	-	
90+00	RT	1	-	
91+25	RT	1	-	
96+50	RT	1	-	
99+00	RT	1	-	
112+75	LT	1	-	
112+85	RT	1	-	
123+75	RT	1	-	
139+74	RT	1	-	
140+04	LT	1	-	
142+99	LT	1	-	
151+76	LT	1	-	
159+26	RT	1	-	
	TOTAL	**34**	**2**	

ALL ITEMS AND QUANTITIES ON THIS SHEET ARE CATEGORY 0010 UNLESS OTHERWISE NOTED

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EROSION CONTROL & RESTORATION ITEMS

				625.0100 TOPSOIL	628.1905 MOBILIZATIONS	628.1910 MOBILIZATIONS EMERGENCY	628.7015 INLET PROTECTION TYPE C	628.2006 EROSION MAT URBAN CLASS TYPE A	629.0210 FERTILIZER TYPE B	630.0140 SEEDING MIXTURE NO. 40	
STATION	TO	STATION	LOCATION	SY	EACH	EACH	EACH	SY	CWT	LB	COMMENT
21+15	-	22+80	LT,RT	-	-	-	10	-	-	-	
	22+25		RT	11	-	-	-	11	*	*	INLET RECONSTRUCTION
22+80	-	36+20	LT,RT	-	-	-	34	-	-	-	
39+65	-	55+00	LT,RT	-	-	-	13	-	-	-	
	52+45		LT	11	-	-	-	11	*	*	INLET RECONSTRUCTION
	52+95		RT	8	-	-	-	8	*	*	INLET RECONSTRUCTION
55+00	-	48+00	LT,RT	-	-	-	17	-	-	-	
	56+50		LT,RT	22	-	-	-	22	*	*	INLET RECONSTRUCTION
	62+50		LT,RT	22	-	-	-	22	*	*	INLET RECONSTRUCTION
	47+50		LT,RT	22	-	-	-	22	*	*	INLET RECONSTRUCTION
48+00	-	106+00	LT,RT	-	-	-	105	-	-	-	
	60+25		LT	11	-	-	-	11	*	*	INLET RECONSTRUCTION
	61+00		LT	11	-	-	-	11	*	*	INLET RECONSTRUCTION
	70+25		LT	11	-	-	-	11	*	*	INLET RECONSTRUCTION
	78+75		LT	11	-	-	-	11	*	*	INLET RECONSTRUCTION
	85+75		RT	11	-	-	-	11	*	*	INLET RECONSTRUCTION
	88+50		RT	11	-	-	-	11	*	*	INLET RECONSTRUCTION
	89+75		RT	11	-	-	-	11	*	*	INLET RECONSTRUCTION
	90+00		RT	11	-	-	-	11	*	*	INLET RECONSTRUCTION
	91+25		RT	11	-	-	-	11	*	*	INLET RECONSTRUCTION
	96+50		RT	11	-	-	-	11	*	*	INLET RECONSTRUCTION
	99+00		RT	11	-	-	-	11	*	*	INLET RECONSTRUCTION
106+00		174+00	LT,RT	-	-	-	69	-	-	-	
	112+75		LT	11	-	-	-	11	*	*	INLET RECONSTRUCTION
	112+85		RT	11	-	-	-	11	*	*	INLET RECONSTRUCTION
	139+74		RT	11	-	-	-	11	*	*	INLET RECONSTRUCTION
	140+04		LT	11	-	-	-	11	*	*	INLET RECONSTRUCTION
	142+99		LT	11	-	-	-	11	*	*	INLET RECONSTRUCTION
	151+76		LT	11	-	-	-	11	*	*	INLET RECONSTRUCTION
	159+26		RT	11	-	-	-	11	*	*	INLET RECONSTRUCTION
UNDISTRIBUTED			-	-	2	2	-	-	0.5	10	
			SUBTOTAL	294	2	2	248	294	0.5	10	

*NOTE: USE UNDISTRIBUTED QUANTITIES TO SEED AND FERTILIZE AREAS WHERE EROSION MAT IS PLACED.

ALL ITEMS AND QUANTITIES ON THIS SHEET ARE CATEGORY 0010 UNLESS OTHERWISE NOTED

EROSION CONTROL & RESTORATION ITEMS (CONT.)

				625.0100 TOPSOIL	628.1905 MOBILIZATIONS	628.1910 MOBILIZATIONS EMERGENCY	628.7015 INLET PROTECTION TYPE C	628.2006 EROSION MAT URBAN CLASS TYPE A	629.0210 FERTILIZER TYPE B	630.0140 SEEDING MIXTURE NO. 40	
STATION	TO	STATION	LOCATION	SY	EACH	EACH	EACH	SY	CWT	LB	COMMENT
	21+16		LT	32	-	-	-	32	*	*	WILLOW ST
	21+71		LT	31	-	-	-	31	*	*	WILLOW ST
	29+87		LT	17	-	-	-	17	*	*	-
	33+15		RT	29	-	-	-	29	*	*	SPRUCE ST
	34+00		RT	30	-	-	-	30	*	*	SPRUCE ST
	36+35		RT	28	-	-	-	28	*	*	RAILROAD ST
	47+10		LT	26	-	-	-	26	*	*	W. ILLINOIS ST
	47+75		LT	18	-	-	-	18	*	*	W. ILLINOIS ST
	57+50		RT	113	-	-	-	113	*	*	E. MCKINLEY ST
	58+60		RT	37	-	-	-	37	*	*	E. MCKINLEY ST
	57+50		LT	21	-	-	-	21	*	*	W. MILL ST
	58+37		LT	55	-	-	-	55	*	*	W. MILL ST
	60+46		RT	17	-	-	-	17	*	*	SOUTH
	60+46		RT	47	-	-	-	47	*	*	NORTH
	63+38		LT	80	-	-	-	80	*	*	JACK FROST
	64+00		LT	56	-	-	-	56	*	*	JACK FROST
	63+38		RT	22	-	-	-	22	*	*	SOUTH
	63+81		RT	20	-	-	-	20	*	*	NORTH
	46+27		RT	15	-	-	-	15	*	*	SOUTH
	46+93		RT	18	-	-	-	18	*	*	NORTH
	46+50		LT	22	-	-	-	22	*	*	SOUTH
	47+06		LT	26	-	-	-	26	*	*	NORTH
	50+00		RT	54	-	-	-	54	*	*	HOSPITAL ROAD
	51+00		RT	62	-	-	-	62	*	*	HOSPITAL ROAD
	50+00		LT	52	-	-	-	52	*	*	BLUEBIRD RD
	51+00		LT	52	-	-	-	52	*	*	BLUEBIRD RD
	63+50		RT	88	-	-	-	88	*	*	PLEASURE ISLAND RD
	64+50		RT	54	-	-	-	54	*	*	PLEASURE ISLAND RD
	63+66		LT	39	-	-	-	39	*	*	AIRPORT RD
	82+12		RT	81	-	-	-	81	*	*	AGOF RD S.
	82+78		RT	67	-	-	-	67	*	*	AGOF RD S.
	93+50		RT	49	-	-	-	49	*	*	AGOF RD N.
	94+00		RT	47	-	-	-	47	*	*	AGOF RD N.
	103+56		RT	54	-	-	-	54	*	*	PLEASURE ISLAND RD
	104+75		RT	52	-	-	-	52	*	*	PLEASURE ISLAND RD
	103+50		LT	33	-	-	-	33	*	*	CTH G
	104+55		LT	32	-	-	-	32	*	*	CTH G
	123+70		RT	63	-	-	-	63	*	*	MCKINLEY BLVD
UNDISTRIBUTED			-	-	-	-	-	-	1.2	35	
			SUBTOTAL	1,639	-	-	-	1,639	1.2	35	
			TOTALS	**1,933**	**2**	**2**	**248**	**1,933**	**1.7**	**45**	

*NOTE: USE UNDISTRIBUTED QUANTITIES TO SEED AND FERTILIZE AREAS WHERE EROSION MAT IS PLACED.

ALL ITEMS AND QUANTITIES ON THIS SHEET ARE CATEGORY 0010 UNLESS OTHERWISE NOTED

SIGNING SCHEDULE

STATION	OFFSET	SIGN NO.	CODE NO.	DESCRIPTION	MESSAGE LINE 1	MESSAGE LINE 2	MESSAGE LINE 3	SIZE IN	X	SIZE IN	634.0816 POSTS TUBULAR STEEL 2X2-INCH X 16-FT EACH	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH
21+27	LT	1-1	R1-1	Stop	-	-	-	30	X	30	1	5.18	-	-	1	1
21+27	LT	1-2	R6-3A	Divided Highway Crossing T Intersection	-	-	-	30	X	24	-	5.00	-	-	1	-
21+66	LT	1-3	R4-7	Keep Right	-	-	-	24	X	30	1	5.00	-	-	1	1
22+16	LT	1-4	W3-3	Signal Ahead	-	-	-	36	X	36	1	-	-	9.00	1	1
22+31	RT	1-5	J4-3	Reassurance Assembly (3 Headed Route Panel)	NORTH / NORTH / NORTH	45 / 32 / 17	-	72	X	36	2	18.00	-	-	6	2
23+01	LT	1-6	R5-1	Do Not Enter	-	-	-	30	X	30	1	6.25	-	-	1	1
23+55	LT	1-7	J1-1	Junction Assembly	JCT	70	-	24	X	39	1	6.50	-	-	2	1
23+78	RT	1-8	W3-3	Signal Ahead	-	-	-	-	X	-	-	-	-	-	1	1
24+24	RT	1-9	D1-56-SR	Business District (Right Arrow) Stacked Message	-	-	-	66	X	24	2	11.00	-	-	1	2
24+24	RT	1-10	R5-1	Do Not Enter	-	-	-	-	X	-	-	-	-	-	1	-
26+02	RT	1-11	R1-2	Yield	-	-	-	36	X	31	-	3.88	-	-	1	-
26+03	RT	1-12	R5-1	Do Not Enter	-	-	-	30	X	30	-	6.25	-	-	-	-
26+09	RT	1-13	W12-1D	Double Down Arrows	-	-	-	24	X	24	1	-	-	4.00	1	1
26+15	RT	1-14	R1-1F	Stop (Folding)	-	-	-	36	X	36	-	-	7.46	-	1	-
26+21	LT	1-15	R1-1F	Stop (Folding)	-	-	-	36	X	36	-	-	7.46	-	1	-
26+21	LT	1-16	R4-7	Keep Right	-	-	-	24	X	30	-	5.00	-	-	1	-
26+57	LT	1-17	R6-2L	One Way LEFT Arrow	-	-	-	24	X	30	-	5.00	-	-	1	-
26+69	RT	1-18	R1-1F	Stop (Folding)	-	-	-	36	X	36	-	-	7.46	-	1	-
26+69	RT	1-19	W12-1D	Double Down Arrows	-	-	-	24	X	24	-	-	-	4.00	1	-
26+89	RT	1-20	R1-2	Yield	-	-	-	36	X	31	-	3.88	-	-	1	-
27+05	LT	1-21	R1-1F	Stop (Folding)	-	-	-	36	X	36	-	-	7.46	-	1	-
27+07	LT	1-22	R1-1F	Stop (Folding)	-	-	-	36	X	36	-	-	7.46	-	1	-
27+81	LT	1-23	R5-1	Do Not Enter	-	-	-	30	X	30	1	6.25	-	-	1	1
27+81	LT	1-24	R2-1	Speed Limit __ MPH	25	-	-	24	X	30	-	5.00	-	-	1	-
28+08	RT	1-25	R2-1	Speed Limit __ MPH	25	-	-	24	X	30	1	5.00	-	-	1	1
28+50	LT	1-26	D1-56-SL	Business District (Left Arrow) Stacked Message	-	-	-	66	X	24	2	11.00	-	-	1	2
28+99	RT	1-27	W11-6	Snowmobile Crossing Symbol	-	-	-	30	X	30	1	-	-	6.25	1	1
29+22	LT	1-28	W3-3	Signal Ahead	-	-	-	36	X	36	1	-	-	9.00	1	1
31+02	LT	1-29	W3-3	Signal Ahead	-	-	-	-	X	-	-	-	-	-	1	1
32+50	RT	2-1	R3-1	No Right Turn Symbol	-	-	-	-	X	-	-	-	-	-	1	-
32+96	RT	2-2	R3-1	No Right Turn Symbol	-	-	-	24	X	24	1	4.00	-	-	1	1
33+55	RT	2-3	R4-7	Keep Right	-	-	-	24	X	30	1	5.00	-	-	1	1
33+55	RT	2-4	R3-2	No Left Turn Symbol	-	-	-	24	X	24	-	4.00	-	-	1	-
33+80	RT	2-5	R1-1	Stop	-	-	-	30	X	30	1	5.18	-	-	1	1
33+80	RT	2-6	R3-2	No Left Turn Symbol	-	-	-	24	X	24	-	4.00	-	-	1	-
35+23	LT	2-7	W11-6	Snowmobile Crossing Symbol	-	-	-	-	X	-	-	-	-	-	1	1
35+80	LT	2-8	R2-1	Speed Limit __ MPH	25	-	-	24	X	30	1	5.00	-	-	-	-
35+80	RT	2-9	R2-1	Speed Limit __ MPH	25	-	-	24	X	30	1	5.00	-	-	-	-
39+79	RT	2-10	W6-1	Divided Highway Ahead Symbol	-	-	-	36	X	36	1	-	-	9.00	1	1
41+53	LT	2-11	R4-7	Keep Right	-	-	-	24	X	30	1	5.00	-	-	-	-
44+10	LT	2-12	R3-9B	Center Lane Left Turn Only Symbol	-	-	-	24	X	36	1	6.00	-	-	1	1
44+10	LT	2-13	R3-9D	End (Plaque)	-	-	-	24	X	6	-	1.00	-	-	1	-
44+61	RT	2-14	R3-9B	Center Lane Left Turn Only Symbol	-	-	-	24	X	36	1	6.00	-	-	1	1
45+14	LT	2-15	W6-1	Divided Highway Ahead Symbol	-	-	-	36	X	36	1	-	-	9.00	1	1
45+77	RT	2-16	R2-1	Speed Limit __ MPH	30	-	-	24	X	30	1	5.00	-	-	1	1
								SUBTOTALS			27	163.36	37.30	50.25	47	27

ALL ITEMS AND QUANTITIES ON THIS SHEET ARE CATEGORY 0010 UNLESS OTHERWISE NOTED

SIGNING SCHEDULE (CONTINUED)

STATION	OFFSET	SIGN NO.	CODE NO.	DESCRIPTION	MESSAGE LINE 1	MESSAGE LINE 2	MESSAGE LINE 3	SIZE IN	SIZE X	SIZE IN	634.0816 POSTS TUBULAR STEEL 2X2-INCH X 16-FT EACH	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH
46+26	LT	2-17	R2-1	Speed Limit __ MPH	30	-	-	24	X	30	1	5.00	-	-	1	1
47+23	LT	3-1	R1-1	Stop	-	-	-	30	X	30	1	5.18	-	-	1	1
47+23	LT	3-2	R6-3A	Divided Highway Crossing T Intersection	-	-	-	-	X	-	-	-	-	-	1	-
49+16	RT	3-3	R10-64	No Engine Braking Except In Emergency	-	-	-	-	X	-	-	-	-	-	1	1
50+72	RT	3-4	W3-3	Signal Ahead	-	-	-	-	X	-	-	-	-	-	1	1
52+60	RT	3-5	R3-9B	Center Lane Left Turn Only Symbol	-	-	-	24	X	36	1	6.00	-	-	1	1
52+60	RT	3-6	R3-9D	End (Plaque)	-	-	-	24	X	6	-	1.00	-	-	1	-
53+00	LT	3-7	R7-1D	No Parking Any Time - Double Arrow	-	-	-	18	X	24	1	3.00	-	-	1	1
53+96	LT	3-8	R2-1	Speed Limit __ MPH	30	-	-	24	X	30	1	5.00	-	-	1	1
54+09	RT	3-9	R2-1	Speed Limit __ MPH	30	-	-	24	X	30	1	5.00	-	-	1	1
55+10	LT	3-10	R7-1D	No Parking Any Time - Double Arrow	-	-	-	18	X	24	1	3.00	-	-	1	1
55+36	RT	3-11	D1-2	Two Destinations (Arrows)	E McKinley [RA]	[LA] Mill St	-	78	X	30	2	16.25	-	-	1	2
55+55	RT	3-12	R5-1	Do Not Enter	-	-	-	30	X	30	1	6.25	-	-	1	1
55+65	LT	3-13	R3-9B	Center Lane Left Turn Only Symbol	-	-	-	24	X	36	1	6.00	-	-	1	1
57+41	LT	3-14	R1-1F	Stop (Folding)	-	-	-	36	X	36	-	-	7.46	-	1	-
57+41	LT	3-15	R4-7	Keep Right	-	-	-	24	X	30	-	5.00	-	-	1	-
57+44	RT	3-16	R1-1F	Stop (Folding)	-	-	-	36	X	36	-	-	7.46	-	1	-
57+75	LT	3-17	R1-1F	Stop (Folding)	-	-	-	36	X	36	-	-	7.46	-	1	-
57+75	LT	3-18	R6-3	Divided Highway Crossing Sign and Intersection	-	-	-	30	X	24	-	5.00	-	-	1	-
58+42	RT	3-19	R1-1F	Stop (Folding)	-	-	-	36	X	36	-	-	7.46	-	1	-
58+42	RT	3-20	R6-3	Divided Highway Crossing Sign and Intersection	-	-	-	30	X	24	-	5.00	-	-	1	-
58+48	LT	3-21	R5-1	Do Not Enter	-	-	-	30	X	30	-	6.25	-	-	-	-
58+49	LT	3-22	R1-1F	Stop (Folding)	-	-	-	36	X	36	-	-	7.46	-	1	-
58+63	LT	3-23	R4-7	Keep Right	-	-	-	24	X	30	-	5.00	-	-	1	-
58+63	LT	3-24	R1-1F	Stop (Folding)	-	-	-	36	X	36	-	-	7.46	-	1	-
59+45	RT	3-25	R5-1	Do Not Enter	-	-	-	30	X	30	1	6.25	-	-	1	1
60+13	LT	3-26	R5-1	Do Not Enter	-	-	-	-	X	-	-	-	-	-	1	1
60+30	LT	3-27	D1-2	Two Destinations (Arrows)	[LA] E McKinley	Mill St [RA]	-	78	X	30	2	16.25	-	-	1	2
60+52	LT	3-28	R6-2R	One Way RIGHT Arrow	-	-	-	24	X	30	1	5.00	-	-	1	1
62+27	RT	4-1	R5-1	Do Not Enter	-	-	-	30	X	30	1	6.25	-	-	1	1
63+03	LT	4-2	R4-7	Keep Right	-	-	-	24	X	30	1	5.00	-	-	1	1
63+34	LT	4-3	R1-1	Stop	-	-	-	30	X	30	1	5.18	-	-	1	1
63+34	LT	4-4	R6-3A	Divided Highway Crossing T Intersection	-	-	-	30	X	24	-	5.00	-	-	1	-
64+08	LT	4-5	R4-7	Keep Right	-	-	-	24	X	30	1	5.00	-	-	1	1
64+51	RT	4-6	R2-1	Speed Limit __ MPH	30	-	-	24	X	30	1	5.00	-	-	1	1
44+94	LT	4-7	R5-1	Do Not Enter	-	-	-	30	X	30	1	6.25	-	-	1	1
44+94	LT	4-8	R2-1	Speed Limit __ MPH	30	-	-	24	X	30	-	5.00	-	-	1	-
45+51	LT	4-9	R4-7	Keep Right	-	-	-	-	X	-	-	-	-	-	1	1
45+51	LT	4-10	R3-20L	Begin Left Turn Lane with Down Right Arrow	-	-	-	24	X	36	1	6.00	-	-	-	-
47+28	RT	4-11	W3-3	Signal Ahead	-	-	-	-	X	-	-	-	-	-	1	1
47+96	LT	4-12	R2-1	Speed Limit __ MPH	30	-	-	24	X	30	1	5.00	-	-	1	1
48+21	RT	4-13	D9-52A	(Name) Airport [1\4] Mile	Road To	-	-	-	X	-	-	-	-	-	1	2
48+25	RT	4-14	R5-1A	Wrong Way	-	-	-	36	X	24	1	6.00	-	-	1	1
48+47	LT	4-15	R4-7	Keep Right	-	-	-	24	X	30	1	5.00	-	-	1	1
49+20	RT	4-16	D9-2	Hospital	-	-	-	24	X	24	1	4.00	-	-	1	1
								SUBTOTALS			26	184.11	44.76	0	43	32

ALL ITEMS AND QUANTITIES ON THIS SHEET ARE CATEGORY 0010 UNLESS OTHERWISE NOTED

SIGNING SCHEDULE (CONTINUED)

STATION	OFFSET	SIGN NO.	CODE NO.	DESCRIPTION	MESSAGE LINE 1	MESSAGE LINE 2	MESSAGE LINE 3	SIZE IN	X	IN	634.0816 POSTS TUBULAR STEEL 2X2-INCH X 16-FT EACH	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH
49+20	RT	4-17	MB6-1	Arrow - RIGHT	-	-	-	21	X	21	-	3.06	-	-	1	-
49+20	RT	4-18	R5-1	Do Not Enter	-	-	-	30	X	30	-	6.25	-	-	1	-
49+88	RT	4-19	R1-1F	Stop (Folding)	-	-	-	36	X	36	-	-	7.46	-	1	-
49+90	LT	4-20	R1-1F	Stop (Folding)	-	-	-	36	X	36	-	-	7.46	-	1	-
49+90	LT	4-21	R4-7	Keep Right	-	-	-	24	X	30	-	5.00	-	-	1	-
50+22	LT	4-22	R1-1F	Stop (Folding)	-	-	-	36	X	36	-	-	7.46	-	1	-
50+22	LT	4-23	R6-3	Divided Highway Crossing Sign and Intersection	-	-	-	30	X	24	-	5.00	-	-	1	-
50+73	RT	4-24	R1-1F	Stop (Folding)	-	-	-	36	X	36	-	-	7.46	-	1	-
50+73	RT	4-25	R6-3	Divided Highway Crossing Sign and Intersection	-	-	-	30	X	24	-	5.00	-	-	1	-
51+13	LT	4-26	R1-1F	Stop (Folding)	-	-	-	36	X	36	-	-	7.46	-	1	-
51+17	LT	4-27	R4-7	Keep Right	-	-	-	24	X	30	-	5.00	-	-	1	-
51+17	LT	4-28	R1-1F	Stop (Folding)	-	-	-	36	X	36	-	-	7.46	-	1	-
51+62	LT	4-29	R5-1	Do Not Enter	-	-	-	30	X	30	-	6.25	-	-	1	-
51+62	LT	4-30	D9-2	Hospital	-	-	-	24	X	24	1	4.00	-	-	1	1
51+62	LT	4-31	MB6-1	Arrow - LEFT	-	-	-	21	X	21	-	3.06	-	-	1	-
52+60	LT	4-32	R3-20L	Begin Left Turn Lane with Down Right Arrow	-	-	-	24	X	36	1	6.00	-	-	1	1
53+45	LT	4-33	R5-1A	Wrong Way	-	-	-	36	X	24	1	6.00	-	-	1	1
53+45	RT	4-34	R2-1	Speed Limit __ MPH	30	-	-	24	X	30	1	5.00	-	-	1	1
54+20	LT	4-35	W3-3	Signal Ahead	-	-	-	-	X	-	-	-	-	-	1	1
56+95	RT	5-1	R3-9B	Center Lane Left Turn Only Symbol	-	-	-	24	X	36	1	6.00	-	-	1	1
60+45	LT	5-2	R3-9B	Center Lane Left Turn Only Symbol	-	-	-	24	X	36	1	6.00	-	-	1	1
61+05	RT	5-3	S1-1	School Advance	-	-	-	-	X	-	-	-	-	-	1	1
62+03	RT	5-4	D9-52L	(Name) Airport	[LA] Eagle River	Airport	-	36	X	36	1	9.00	-	-	-	-
62+03	LT	5-5	R2-1	Speed Limit __ MPH	30	-	-	24	X	30	1	5.00	-	-	1	1
62+80	RT	5-6	S1-1	School Advance	-	-	-	-	X	-	-	-	-	-	1	1
63+24	RT	5-7	D1-2	(Name) Airport	[LA] Eagle River	Airport	-	-	X	-	-	-	-	-	1	2
63+62	RT	5-8	W11-2	Pedestrian Crossing Symbol	-	-	-	30	X	30	1	-	-	6.25	-	-
63+62	RT	5-9	W16-7L	Left Diagonal Downward Point Arrow (Yellow)	-	-	-	24	X	12	-	-	-	2.00	-	-
63+64	LT	5-10	W11-2	Pedestrian Crossing Symbol	-	-	-	30	X	30	1	-	-	6.25	-	-
63+64	LT	5-11	W16-7L	Left Diagonal Downward Point Arrow (Yellow)	-	-	-	24	X	12	-	-	-	2.00	-	-
63+73	RT	5-12	R6-2R	One Way RIGHT Arrow	-	-	-	24	X	30	1	5.00	-	-	1	1
63+73	RT	5-13	R6-2L	One Way LEFT Arrow	-	-	-	24	X	30	-	5.00	-	-	1	-
63+77	LT	5-14	R1-1	Stop	-	-	-	30	X	30	1	5.18	-	-	1	1
63+77	LT	5-15	R6-3	Divided Highway Crossing Sign and Intersection	-	-	-	-	X	-	-	-	-	-	1	-
64+24	RT	5-16	R1-1	Stop	-	-	-	30	X	30	1	5.18	-	-	1	1
64+24	RT	5-17	R6-3	Divided Highway Crossing Sign and Intersection	-	-	-	-	X	-	-	-	-	-	1	-
64+45	LT	5-18	S1-1	School Advance	-	-	-	-	X	-	-	-	-	-	1	1
64+89	LT	5-19	D1-2	(Name) Airport	Eagle River [RA]	Airport	-	-	X	-	-	-	-	-	1	2
64+89	LT	5-19A	D9-52R	(Name) Airport	Eagle River [RA]	Airport	-	36	X	36	1	9.00	-	-	-	-
66+16	LT	5-20	S1-1	School Advance	-	-	-	-	X	-	-	-	-	-	1	1
66+16	LT	5-21	I2-3	Community Population Name Sign (With Number)	Eagle River	Population 1398	-	78	X	24	2	13.00	-	-	1	2
66+91	RT	5-22	R2-1	Speed Limit __ MPH	40	-	-	30	X	36	1	7.50	-	-	1	1
66+91	LT	5-23	R2-1	Speed Limit __ MPH	30	-	-	30	X	36	1	7.50	-	-	1	1
69+47	RT	5-24	R3-9B	Center Lane Left Turn Only Symbol	-	-	-	24	X	36	1	6.00	-	-	1	1
76+71	LT	6-1	D9-52A	(Name) Airport [1/4] Mile	Road To	-	-	-	X	-	-	-	-	-	1	2
78+45	LT	6-2	R3-9B	Center Lane Left Turn Only Symbol	-	-	-	24	X	36	1	6.00	-	-	1	1
								SUBTOTALS			20	154.99	44.76	16.50	40	27

ALL ITEMS AND QUANTITIES ON THIS SHEET ARE CATEGORY 0010 UNLESS OTHERWISE NOTED

SIGNING SCHEDULE (CONTINUED)

STATION	OFFSET	SIGN NO.	CODE NO.	DESCRIPTION	MESSAGE LINE 1	MESSAGE LINE 2	MESSAGE LINE 3	SIZE IN	SIZE X	SIZE IN	634.0816 POSTS TUBULAR STEEL 2X2-INCH X 16-FT EACH	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH
80+82	LT	6-3	R2-1	Speed Limit __ MPH	40	-	-	30	X	36	1	7.50	-	-	1	1
82+75	RT	6-4	R1-1	Stop	-	-	-	36	X	36	1	7.46	-	-	1	1
82+75	RT	6-5	R6-3A	Divided Highway Crossing T Intersection	-	-	-	-	X	-	-	-	-	-	1	-
84+65	RT	7-1	D1-2	DNR Ranger Station, Advance	DNR	RANGER	STATION / 1/2 MILE	-	X	-	-	-	-	-	1	2
86+75	RT	7-2	R2-1	Speed Limit __ MPH	40	-	-	30	X	36	1	7.50	-	-	1	1
89+20	RT	7-3	R3-9B	Center Lane Left Turn Only Symbol	-	-	-	24	X	36	1	6.00	-	-	1	1
90+52	LT	7-4	R3-9B	Center Lane Left Turn Only Symbol	-	-	-	24	X	36	1	6.00	-	-	1	1
92+12	LT	7-5	R2-1	Speed Limit __ MPH	40	-	-	30	X	36	1	7.50	-	-	1	1
93+97	RT	7-6	R1-1	Stop	-	-	-	36	X	36	1	7.46	-	-	1	1
93+97	RT	7-7	R6-3A	Divided Highway Crossing T Intersection	-	-	-	-	X	-	-	-	-	-	1	-
95+94	RT	7-8	J1-1	Junction or End Assembly	JCT	COUNTY G	-	24	X	39	1	6.50	-	-	2	1
97+37	LT	7-9	R5-1	Do Not Enter	-	-	-	36	X	36	1	9.00	-	-	1	1
97+37	LT	7-10	R3-9B	Center Lane Left Turn Only Symbol	-	-	-	24	X	36	-	6.00	-	-	1	-
97+56	LT	7-11	R4-7	Keep Right	-	-	-	24	X	30	1	5.00	-	-	1	1
99+03	RT	8-1	D7-67	[Name County Park] [1] Mile	Eagle Lake	County Park	1 MILE	-	X	-	-	-	-	-	1	2
99+50	LT	8-2	R5-1A	Wrong Way	-	-	-	42	X	30	1	8.75	-	-	1	1
99+50	LT	8-3	R2-1	Speed Limit __ MPH	40	-	-	30	X	36	-	7.50	-	-	1	-
99+75	RT	8-4	W3-3	Signal Ahead	-	-	-	36	X	36	1	-	-	9.00	1	1
100+92	RT	8-5	S1-1	School Advance	-	-	-	-	X	-	-	-	-	-	1	1
100+92	RT	8-6	R5-1A	Wrong Way	-	-	-	42	X	30	-	8.75	-	-	1	-
101+03	LT	8-7	J4-3	Reassurance Assembly (3 Headed Route Panel)	SOUTH / SOUTH / SOUTH	45 / 32 / 17	-	72	X	36	2	18.00	-	-	6	2
102+89	RT	8-8	S1-1	School Advance	-	-	-	-	X	-	-	-	-	-	1	1
102+89	RT	8-9	R5-1	Do Not Enter	-	-	-	36	X	36	-	9.00	-	-	1	-
103+36	RT	8-10	J12-1	Route Turn without Cardinal (1 Headed Route Panel)	COUNTY G	[LA]	-	24	X	45	1	7.50	-	-	2	1
103+38	RT	8-11	R1-1F	Stop (Folding)	-	-	-	36	X	36	-	-	7.46	-	1	-
103+45	LT	8-12	D9-2	Hospital	-	-	-	24	X	24	1	4.00	-	-	1	1
103+45	LT	8-13	MB6-1	Arrow - RIGHT	-	-	-	21	X	21	-	3.06	-	-	1	-
103+48	LT	8-14	R1-2	Yield	-	-	-	48	X	42	1	14.00	-	-	1	1
103+48	LT	8-15	R1-1F	Stop (Folding)	-	-	-	36	X	36	-	-	7.46	-	1	-
103+49	LT	8-16	R4-7	Keep Right	-	-	-	24	X	30	-	5.00	-	-	1	-
103+50	LT	8-17	J12-3	Route Turn without Cardinal (3 Headed Route Panel)	45 / 32 / 17	[DBA] / [DBA] / [DBA]	-	72	X	45	2	22.50	-	-	6	2
103+50	LT	8-18	R5-1	Do Not Enter	-	-	-	36	X	36	-	9.00	-	-	1	1
103+72	LT	8-19	R1-1F	Stop (Folding)	-	-	-	36	X	36	-	-	7.46	-	1	-
103+72	LT	8-20	R6-3	Divided Highway Crossing Sign and Intersection	-	-	-	30	X	24	-	5.00	-	-	1	-
103+72	LT	8-21	W12-1D	Double Down Arrows	-	-	-	24	X	24	1	-	-	4.00	1	1
104+03	LT	8-22	R1-1F	Stop (Folding)	-	-	-	36	X	36	-	-	7.46	-	1	-
104+03	LT	8-23	R6-3	Divided Highway Crossing Sign and Intersection	-	-	-	30	X	24	-	5.00	-	-	1	-
104+03	LT	8-24	R4-7	Keep Right	-	-	-	24	X	30	-	5.00	-	-	1	-
104+05	RT	8-25	R4-7	Keep Right	-	-	-	24	X	30	-	5.00	-	-	1	-
104+05	RT	8-26	R1-1F	Stop (Folding)	-	-	-	36	X	36	-	-	7.46	-	1	-
104+05	RT	8-27	R6-3	Divided Highway Crossing Sign and Intersection	-	-	-	30	X	24	-	5.00	-	-	1	-
104+35	RT	8-28	R1-1F	Stop (Folding)	-	-	-	36	X	36	-	-	7.46	-	1	-
104+35	RT	8-29	R6-3	Divided Highway Crossing Sign and Intersection	-	-	-	30	X	24	-	5.00	-	-	1	-
104+35	RT	8-30	W12-1D	Double Down Arrows	-	-	-	24	X	24	1	-	-	4.00	1	1
104+67	LT	8-31	R4-7	Keep Right	-	-	-	24	X	30	-	5.00	-	-	1	-
								SUBTOTALS			21	227.98	44.76	17.00	57	28

ALL ITEMS AND QUANTITIES ON THIS SHEET ARE CATEGORY 0010 UNLESS OTHERWISE NOTED

SIGNING SCHEDULE (CONTINUED)

STATION	OFFSET	SIGN NO.	CODE NO.	DESCRIPTION	MESSAGE LINE 1	MESSAGE LINE 2	MESSAGE LINE 3	SIZE IN	X	SIZE IN	634.0816 POSTS TUBULAR STEEL 2X2-INCH X 16-FT EACH	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH
104+67	LT	8-32	R1-1F	Stop (Folding)	-	-	-	36	X	36	-	-	7.46	-	1	-
104+68	LT	8-33	R1-1F	Stop (Folding)	-	-	-	36	X	36	-	-	7.46	-	1	-
104+73	RT	8-34	R1-2	Yield	-	-	-	48	X	42	1	7.00	-	-	1	1
104+74	LT	8-35	J12-1	Route Turn without Cardinal (1 Headed Route Panel)	COUNTY G	[RA]	-	24	X	45	1	7.50	-	-	2	1
105+13	LT	8-36	R5-1	Do Not Enter	-	-	-	36	X	36	1	9.00	-	-	1	1
105+13	LT	8-37	S1-1	School Advance	-	-	-	-	X	-	-	-	-	-	1	-
106+67	RT	8-38	J4-3	Reassurance Assembly (3 Headed Route Panel)	NORTH / NORTH / NORTH	45 / 17 / 32	-	72	X	36	2	18.00	-	-	6	2
107+01	LT	8-39	R5-1A	Wrong Way	-	-	-	42	X	30	1	8.75	-	-	1	1
107+01	LT	8-40	S1-1	School Advance	-	-	-	-	X	-	-	-	-	-	1	-
107+42	RT	8-41	R5-1	Do Not Enter	-	-	-	-	X	-	-	-	-	-	1	1
108+00	RT	8-42	R2-1	Speed Limit __ MPH	40	-	-	30	X	36	1	7.50	-	-	-	-
108+25	LT	8-43	W3-3	Signal Ahead	-	-	-	36	X	36	1	-	-	9.00	1	1
108+94	LT	8-44	R4-7	Keep Right	-	-	-	24	X	30	1	5.00	-	-	1	1
109+02	RT	8-45	R2-1	Speed Limit __ MPH	40	-	-	-	X	-	-	-	-	-	1	1
109+02	RT	8-46	R5-1	Do Not Enter	-	-	-	36	X	36	1	9.00	-	-	-	-
109+79	RT	8-47	D1-2	DNR Ranger Station, Arrow	DNR	RANGER [LA]	STATION	72	X	36	2	18.00	-	-	1	2
112+52	LT	8-48	D1-2	DNR Ranger Station, Arrow	DNR	RANGER [RA]	STATION	72	X	36	2	18.00	-	-	1	2
113+42	RT	8-49	R3-9B	Center Lane Left Turn Only Symbol	-	-	-	24	X	36	1	6.00	-	-	1	1
113+83	LT	9-1	J1-1	Junction or End Assembly	JCT	COUNTY G	-	24	X	39	1	6.50	-	-	2	1
117+90	RT	9-2	R2-1	Speed Limit __ MPH	40	-	-	30	X	36	1	7.50	-	-	1	1
119+00	LT	9-3	R3-9B	Center Lane Left Turn Only Symbol	-	-	-	24	X	36	1	6.00	-	-	-	-
120+28	LT	9-4	R3-9B	Center Lane Left Turn Only Symbol	-	-	-	-	X	-	-	-	-	-	1	1
121+69	LT	9-5	R2-1	Speed Limit __ MPH	40	-	-	30	X	36	1	7.50	-	-	1	1
124+35	RT	9-6	R1-1	Stop	-	-	-	36	X	36	1	7.46	-	-	1	1
124+35	RT	9-7	R6-3	Divided Highway Crossing Sign and Intersection	-	-	-	-	X	-	-	-	-	-	1	-
125+48	RT	9-8	R2-1	Speed Limit __ MPH	40	-	-	30	X	36	1	7.50	-	-	1	1
127+48	RT	9-9	R3-9B	Center Lane Left Turn Only Symbol	-	-	-	24	X	36	1	6.00	-	-	1	1
132+70	LT	10-1	D1-2	DNR Ranger Station, Advance	DNR	RANGER	STATION / 1/2 MILE	-	X	-	-	-	-	-	1	2
140+49	RT	10-2	S3-1	School Bus Stop Ahead	-	-	-	36	X	36	1	-	-	9.00	1	1
148+59	LT	11-1	R3-9B	Center Lane Left Turn Only Symbol	-	-	-	24	X	36	1	6.00	-	-	1	1
150+69	RT	11-2	R5-1A	Wrong Way	-	-	-	42	X	30	1	8.75	-	-	1	1
150+70	LT	11-3	R2-1	Speed Limit __ MPH	40	-	-	30	X	36	1	7.50	-	-	1	1
151+40	LT	11-4	R4-7	Keep Right	-	-	-	24	X	30	1	5.00	-	-	1	1
151+73	RT	11-5	D7-68R	[Name County Park]/Arrow Right	Eagle Lake	County Park	[ARROW RIGHT]	60	X	36	2	15.00	-	-	1	2
151+73	RT	11-6	R5-1	Do Not Enter	-	-	-	36	X	36	-	9.00	-	-	1	-
152+22	LT	11-7	R4-7	Keep Right	-	-	-	24	X	30	1	5.00	-	-	1	1
152+64	LT	11-8	R6-2L	One Way LEFT Arrow	-	-	-	30	X	36	1	7.50	-	-	1	1
153+00	RT	11-9	R1-1	Stop	-	-	-	36	X	36	1	7.46	-	-	1	1
153+00	RT	11-10	R6-3A	Divided Highway Crossing T Intersection	-	-	-	30	X	24	-	5.00	-	-	1	-
153+31	LT	11-11	R5-1	Do Not Enter	-	-	-	36	X	36	1	9.00	-	-	1	1
153+39	LT	11-12	D7-68L	[Name County Park]/Arrow Left	Eagle Lake	County Park	[ARROW LEFT]	60	X	36	2	15.00	-	-	1	2
154+21	RT	11-13	R5-1A	Wrong Way	-	-	-	42	X	30	1	8.75	-	-	1	1
155+19	LT	11-14	R5-1A	Wrong Way	-	-	-	42	X	30	1	8.75	-	-	1	1
155+38	LT	11-15	R4-7	Keep Right	-	-	-	24	X	30	1	5.00	-	-	1	1
155+65	RT	11-16	W9-1L	Left Lane Ends	-	-	-	36	X	36	1	-	-	9.00	1	1
								SUBTOTALS			39	284.92	14.92	27.00	49	41

ALL ITEMS AND QUANTITIES ON THIS SHEET ARE CATEGORY 0010 UNLESS OTHERWISE NOTED

SIGNING SCHEDULE (CONTINUED)

STATION	OFFSET	SIGN NO.	CODE NO.	DESCRIPTION	MESSAGE LINE 1	MESSAGE LINE 2	MESSAGE LINE 3	SIZE			634.0816 POSTS TUBULAR STEEL 2X2-INCH X 16-FT EACH	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH
155+65	RT	11-17	R5-1	Do Not Enter	-	-	-	36	X	36	-	9.00	-	-	1	-
157+78	RT	12-1	R2-1	Speed Limit __ MPH	40	-	-	30	X	36	1	7.50	-	-	1	1
158+16	LT	12-2	R2-1	Speed Limit __ MPH	40	-	-	30	X	36	1	7.50	-	-	1	1
161+06	RT	12-3	W4-2L	Lane Reduction Transition Symbol [LEFT Lane]	-	-	-	36	X	36	1	-	-	9.00	1	1
161+06	LT	12-4	R3-9B	Center Lane Left Turn Only Symbol	-	-	-	24	X	36	1	6.00	-	-	1	1
162+95	LT	12-5	R2-1	Speed Limit __ MPH	40	-	-	30	X	36	1	7.50	-	-	1	1
165+10	LT	12-6	S3-1	School Bus Stop Ahead	-	-	-	36	X	36	1	-	-	9.00	1	1
171+19	RT	12-7	W11-6	Snowmobile Crossing Symbol	-	-	-	-	X	-	-	-	-	-	1	1
174+00	RT	13-1	R2-1	Speed Limit __ MPH	55	-	-	30	X	36	1	7.50	-	-	1	1
174+00	LT	13-2	R2-1	Speed Limit __ MPH	40	-	-	30	X	36	1	7.50	-	-	1	1
								SUBTOTALS			8	52.50	0.00	18.00	10	9
								TOTALS			**141**	**1,067.86**	**186.50**	**128.75**	**246**	**164**

TRAFFIC CONTROL

LOCATION	STAGE	DURATION (DAYS)	643.0100.01 PROJECT 1601-14-72 EACH	643.0300 DRUMS EACH	DAY	643.0410 BARRICADES TYPE II EACH	DAY	643.0420 BARRICADES TYPE III EACH	DAY	643.0705 WARNING LIGHTS TYPE A EACH	DAY	643.0715 WARNING LIGHTS TYPE C EACH	DAY	643.0800 ARROW BOARDS EACH	DAY	643.0900 SIGNS EACH	DAY	643.1017.S CONES 42-INCH EACH	DAY
USH 45 NB & SB	1	60	-	816	48,960	111	6,660	53	3,180	111	6,660	18	1,080	1	60	155	9,300	942	56,520
USH 45 NB & SB	2	25	-	42	1,050	-	-	61	1,525	-	-	16	400	1	25	129	3,225	1,043	26,075
UNDISTRIBUTED (PROJECT 1601-14-72)			1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		TOTALS	**1**		**50,010**		**6,660**		**4,705**		**6,660**		**1,480**		**85**		**12,525**		**82,595**

PEDESTRIAN ACCOMMODATIONS - TEMPORARY

LOCATION	644.1420.S PEDESTRIAN SURFACE PLYWOOD SF	644.1601.S CURB RAMP EACH
STAGE 1	1,040	41

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PAVEMENT MARKING

				646.0106 EPOXY 4-INCH	646.0126 EPOXY 8-INCH	647.0156 ARROWS EPOXY TYPE 1	647.0166 ARROWS EPOXY TYPE 2	647.0176 ARROWS EPOXY TYPE 3	647.0356 WORDS EPOXY	647.0456 CURB EPOXY	647.0566 STOP LINE EPOXY 18-INCH	647.0606 ISLAND NOSE EPOXY	647.0726 DIAGONAL EPOXY 12-INCH	647.0766 CROSSWALK EPOXY 6-INCH	
STATION	TO	STATION	LOCATION	LF	LF	EACH	EACH	EACH	EACH	LF	LF	EACH	LF	LF	COMMENT
21+11	-	26+12	RT	125	-	-	-	-	-	-	-	-	-	-	WHITE SKIPS (12.5' LINE, 37.5' GAP)
21+11	-	26+12	LT	125	-	-	-	-	-	-	-	-	-	-	WHITE SKIPS (12.5' LINE, 37.5' GAP)
21+27	-	21+63	LT	-	-	-	-	-	-	-	-	-	-	90	CROSSWALK (WILLOW ST.)
21+32	-	21+45	LT	-	-	-	-	-	-	-	18	-	-	-	WHITE STOP LINE
	21+45		LT	69	-	-	-	-	-	-	-	-	-	-	DOUBLE YELLOW C/L
21+63	-	31+91	LT	-	-	-	-	-	-	62	-	-	-	-	YELLOW CURB
21+75	-	22+14	LT	-	44	-	-	-	-	-	-	-	-	-	WHITE CHANNELIZING
	21+93		LT	-	-	-	1	-	-	-	-	-	-	-	WHITE RIGHT ARROW
24+89	-	26+13	RT	-	124	-	-	-	-	-	-	-	-	-	WHITE CHANNELIZING
	25+12		RT	-	-	-	1	-	-	-	-	-	-	-	WHITE RIGHT ARROW
25+75	-	26+12	RT	-	39	-	-	-	-	-	-	-	-	-	WHITE CHANNELIZING
	25+88		RT	-	-	-	1	-	-	-	-	-	-	-	WHITE RIGHT ARROW
26+00	-	26+30	LT	-	-	-	-	-	-	65	-	-	-	-	YELLOW CURB
	26+08		RT	-	-	-	-	-	-	-	15	-	-	-	WHITE STOP LINE
	26+12		RT	-	-	-	-	-	-	-	23	-	-	-	WHITE STOP LINE
	26+15		RT	-	-	-	-	-	-	-	-	-	-	30	CROSSWALK
26+30	-	26+64	RT	-	-	-	-	-	-	-	-	-	-	69	CROSSWALK (E WALL ST.)
	26+42		RT	17	-	-	-	-	-	-	-	-	-	-	WHITE SKIPS (12.5' LINE, 37.5' GAP)
	26+54		RT	124	-	-	-	-	-	-	-	-	-	-	DOUBLE YELLOW C/L
26+54	-	26+66	RT	-	-	-	-	-	-	-	12	-	-	-	WHITE STOP LINE
	26+60		RT	-	-	-	1	-	-	-	-	-	-	-	WHITE LEFT ARROW
	26+60		RT	-	-	-	-	-	1	-	-	-	-	-	WHITE ONLY
26+65	-	26+72	RT	-	76	-	-	-	-	-	-	-	-	-	WHITE CHANNELIZING
	26+72		RT	-	-	-	1	-	-	-	-	-	-	-	WHITE RIGHT ARROW
	26+72		RT	-	-	-	-	-	1	-	-	-	-	-	WHITE ONLY
26+71	-	26+88	RT	-	-	-	-	-	-	-	18	-	-	-	WHITE STOP LINE
26+73	-	26+91	RT	-	-	-	-	-	-	-	-	-	-	34	WHITE ONLY
	26+94		LT/RT	-	-	-	-	-	-	-	-	-	-	161	CROSSWALK
26+96	-	33+18	RT	158	-	-	-	-	-	-	-	-	-	-	WHITE SKIPS (12.5' LINE, 37.5' GAP)
	27+00		LT	-	-	-	-	-	-	-	34	-	-	-	WHITE STOP LINE
27+00	-	27+07	LT	-	-	-	-	-	-	15	-	-	-	-	YELLOW CURB
27+00	-	29+00	LT	-	200	-	-	-	-	-	-	-	-	-	WHITE CHANNELIZING
27+00	-	33+38	LT	153	-	-	-	-	-	-	-	-	-	-	WHITE SKIPS (12.5' LINE, 37.5' GAP)
	27+24		LT	-	-	-	1	-	-	-	-	-	-	-	WHITE LEFT ARROW
	27+64		LT	-	-	-	-	-	1	-	-	-	-	-	WHITE ONLY
	28+33		LT	-	-	-	1	-	-	-	-	-	-	-	WHITE LEFT ARROW
	28+74		LT	-	-	-	-	-	1	-	-	-	-	-	WHITE ONLY
	33+12		RT	-	-	-	-	-	-	-	-	-	-	13	CROSSWALK (N RAILROAD ST.)
33+20	-	33+78	RT	-	-	-	-	-	-	-	-	-	-	97	CROSSWALK (E SPRUCE ST.)
33+22	-	33+40	LT	-	-	-	-	-	-	40	-	-	-	-	YELLOW CURB
33+50	-	33+60	RT	-	-	-	-	-	-	25	-	3	-	-	SPRUCE ST. TRAFFIC ISLAND
33+51	-	33+70	RT	-	-	-	-	-	-	-	19	-	-	-	WHITE STOP LINE
33+95	-	34+02	LT	-	-	-	-	-	-	15	-	-	-	-	YELLOW CURB
33+96	-	34+89	LT	-	93	-	-	-	-	-	-	-	-	-	WHITE CHANNELIZING
33+96	-	57+50	LT	590	-	-	-	-	-	-	-	-	-	-	WHITE SKIPS (12.5' LINE, 37.5' GAP)
			SUBTOTALS	1,362	576	0	7	0	4	222	139	3	0	494	

ALL ITEMS AND QUANTITIES ON THIS SHEET ARE CATEGORY 0010 UNLESS OTHERWISE NOTED

PAVEMENT MARKING (CONTINUED)

STATION	TO	STATION	LOCATION	646.0106 EPOXY 4-INCH LF	646.0126 EPOXY 8-INCH LF	647.0156 ARROWS EPOXY TYPE 1 EACH	647.0166 ARROWS EPOXY TYPE 2 EACH	647.0176 ARROWS EPOXY TYPE 3 EACH	647.0356 WORDS EPOXY EACH	647.0456 CURB EPOXY LF	647.0566 STOP LINE EPOXY 18-INCH LF	647.0606 ISLAND NOSE EPOXY EACH	647.0726 DIAGONAL EPOXY 12-INCH LF	647.0766 CROSSWALK EPOXY 6-INCH LF	COMMENT
33+96	-	57+46	RT	587	-	-	-	-	-	-	-	-	-	-	WHITE SKIPS (12.5' LINE, 37.5' GAP)
	34+21		LT	-	-	-	1	-	-	-	-	-	-	-	WHITE LEFT ARROW
	34+66		LT	-	-	-	1	-	-	-	-	-	-	-	WHITE LEFT ARROW
41+21	-	41+56	LT	-	-	-	-	-	-	51	-	-	-	-	YELLOW CURB
41+21	-	55+54	LT	1,794	-	-	-	-	-	-	-	-	-	-	SOLID / DASHED YELLOW C/L
41+46	-	55+35	RL	1,735	-	-	-	-	-	-	-	-	-	-	SOLID / DASHED YELLOW C/L
	42+62		LT	-	-	-	1	-	-	-	-	-	-	-	WHITE LEFT ARROW
	42+88		LT	-	-	-	1	-	-	-	-	-	-	-	WHITE LEFT ARROW
	46+71		LT	-	-	-	1	-	-	-	-	-	-	-	WHITE LEFT ARROW
	46+97		LT	-	-	-	1	-	-	-	-	-	-	-	WHITE LEFT ARROW
47+18	-	47+68	LT	-	-	-	-	-	-	-	18	-	-	91	CROSSWALK (ILLINOIS ST.)
	50+50		LT	-	-	-	1	-	-	-	-	-	-	-	WHITE LEFT ARROW
	50+76		LT	-	-	-	1	-	-	-	-	-	-	-	WHITE LEFT ARROW
	54+53		LT	-	-	-	1	-	-	-	-	-	-	-	WHITE LEFT ARROW
	54+79		LT	-	-	-	1	-	-	-	-	-	-	-	WHITE LEFT ARROW
55+28	-	55+55	LT	-	-	-	-	-	-	31	-	1	-	-	YELLOW CURB
56+25	-	57+46	RL	-	121	-	-	-	-	-	-	-	-	-	WHITE CHANNELIZING
	56+49		LT	-	-	-	1	-	-	-	-	-	-	-	WHITE LEFT ARROW
	57+22		LT/RT	-	-	1	1	1	-	-	-	-	-	-	WHITE LEFT ARROW / STRAIGHT ARROW / STRIGHT/RIGHT ARROW
57+40	-	57+47	LT	-	-	-	-	-	-	15	-	-	-	-	YELLOW CURB
	57+46		LT/RT	-	-	-	-	-	-	-	42	-	-	-	WHITE STOP LINE
	57+53		LT/RT	-	-	-	-	-	-	-	-	-	-	151	CROSSWALK
57+61	-	58+45	RT	-	-	-	-	-	-	-	-	-	-	162	CROSSWALK (E MCKINLEY ST.)
57+74	-	58+38	LT	-	-	-	-	-	-	-	-	-	-	119	CROSSWALK (W MILL ST.)
57+77	-	58+05	LT	-	-	-	-	-	-	-	28	-	-	-	WHITE STOP LINE
	57+86		LT	-	-	-	-	1	-	-	-	-	-	-	WHITE STRIGHT/RIGHT ARROW
	57+93		LT	-	33	-	-	-	-	-	-	-	-	-	WHITE CHANNELIZING
	57+97		LT	-	-	-	1	-	-	-	-	-	-	-	WHITE LEFT ARROW
	58+00		RT	88	-	-	-	-	-	-	-	-	-	-	DOUBLE YELLOW C/L
58+00	-	58+37	RT	-	-	-	-	-	-	-	37	-	-	-	WHITE STOP LINE
	58+05		LT	68	-	-	-	-	-	-	-	-	-	-	DOUBLE YELLOW C/L
	58+07		RT	-	-	-	1	-	-	-	-	-	-	-	WHITE LEFT ARROW
	58+18		RT	-	-	-	-	-	1	-	-	-	-	-	WHITE STRIGHT/RIGHT ARROW
	58+44		LT/RT	-	-	-	-	-	-	-	-	-	-	150	CROSSWALK
58+49	-	63+04	RT	114	-	-	-	-	-	-	-	-	-	-	WHITE SKIPS (12.5' LINE, 37.5' GAP)
	58+54		LT	-	-	-	-	-	-	-	36	-	-	-	WHITE STOP LINE
58+54	-	63+03	LT	112	-	-	-	-	-	-	-	-	-	-	WHITE SKIPS (12.5' LINE, 37.5' GAP)
58+55	-	59+56	LT	-	101	-	-	-	-	-	-	-	-	-	WHITE CHANNELIZING
58+57	-	58+64	LT	-	-	-	-	-	-	15	-	-	-	-	YELLOW CURB
	58+80		LT	-	-	1	1	1	-	-	-	-	-	-	WHITE LEFT ARROW / STRAIGHT ARROW / STRIGHT/RIGHT ARROW
	59+32		LT	-	-	-	1	-	-	-	-	-	-	-	WHITE LEFT ARROW
62+05	-	63+03	RL	-	98	-	-	-	-	-	-	-	-	-	WHITE CHANNELIZING
	62+30		LT	-	-	-	1	-	-	-	-	-	-	-	WHITE LEFT ARROW
	62+78		LT	-	-	-	1	-	-	-	-	-	-	-	WHITE LEFT ARROW
62+98	-	63+05	LT	-	-	-	-	-	-	15	-	-	-	-	YELLOW CURB
63+25	-	64+06	LT	-	-	-	-	-	-	-	-	-	-	146	CROSSWALK (JACK FROST ST.)
			SUBTOTALS	4,498	353	2	18	3	1	127	161	1	0	819	

ALL ITEMS AND QUANTITIES ON THIS SHEET ARE CATEGORY 0010 UNLESS OTHERWISE NOTED

PAVEMENT MARKING (CONTINUED)

				646.0106 EPOXY 4-INCH	646.0126 EPOXY 8-INCH	647.0156 ARROWS EPOXY TYPE 1	647.0166 ARROWS EPOXY TYPE 2	647.0176 ARROWS EPOXY TYPE 3	647.0356 WORDS EPOXY	647.0456 CURB EPOXY	647.0566 STOP LINE EPOXY 18-INCH	647.0606 ISLAND NOSE EPOXY	647.0726 DIAGONAL EPOXY 12-INCH	647.0766 CROSSWALK EPOXY 6-INCH	
STATION	TO	STATION	LOCATION	LF	LF	EACH	EACH	EACH	EACH	LF	LF	EACH	LF	LF	COMMENT
63+35	-	63+59	LT	-	-	-	-	-	-	-	24	-	-	-	WHITE STOP LINE
	63+59		LT	71	-	-	-	-	-	-	-	-	-	-	DOUBLE YELLOW C/L
64+06	-	64+13	LT	-	-	-	-	-	-	15	-	-	-	-	YELLOW CURB
64+08	-	49+95	RT	147	-	-	-	-	-	-	-	-	-	-	WHITE SKIPS (12.5' LINE, 37.5' GAP)
64+08	-	45+51	LT	-	46	-	-	-	-	-	-	-	-	-	WHITE CHANNELIZING
64+08	-	05+09	LT	150	-	-	-	-	-	-	-	-	-	-	WHITE SKIPS (12.5' LINE, 37.5' GAP)
	64+33		LT	-	-	-	1	-	-	-	-	-	-	-	WHITE LEFT ARROW
	45+28		LT	-	-	-	1	-	-	-	-	-	-	-	WHITE LEFT ARROW
45+46	-	45+52	LT	-	-	-	-	-	-	15	-	-	-	-	YELLOW CURB
45+51	-	46+51	RL	200	-	-	-	-	-	-	-	-	-	-	DOUBLE YELLOW C/L
45+51	-	46+51	LT	201	-	-	-	-	-	-	-	-	-	-	DOUBLE YELLOW C/L
45+51	-	46+51	LT	-	-	-	-	-	-	-	-	-	63	-	YELLOW 25-FT SPACING
46+51	-	47+47	RL	120	-	-	-	-	-	-	-	-	-	-	SOLID / DASHED YELLOW C/L
46+51	-	47+47	LT	120	-	-	-	-	-	-	-	-	-	-	SOLID / DASHED YELLOW C/L
	46+85		LT	-	-	-	1	-	-	-	-	-	-	-	WHITE LEFT ARROW
	47+10		LT	-	-	-	1	-	-	-	-	-	-	-	WHITE LEFT ARROW
47+47	-	48+47	LT	201	-	-	-	-	-	-	-	-	-	-	DOUBLE YELLOW C/L
47+47	-	48+47	LT	200	-	-	-	-	-	-	-	-	-	-	DOUBLE YELLOW C/L
47+47	-	48+47	LT	-	-	-	-	-	-	-	-	-	63	-	YELLOW 25-FT SPACING
48+45	-	48+52	LT	-	-	-	-	-	-	15	-	-	-	-	YELLOW CURB
48+47	-	49+96	RL	-	149	-	-	-	-	-	-	-	-	-	WHITE CHANNELIZING
	48+70		LT	-	-	-	1	-	-	-	-	-	-	-	WHITE LEFT ARROW
	49+72		LT	-	-	-	1	-	-	-	-	-	-	-	WHITE LEFT ARROW
49+91	-	49+98	LT	-	-	-	-	-	-	15	-	-	-	-	YELLOW CURB
	49+96		LT/RT	-	-	-	-	-	-	-	40	-	-	-	WHITE STOP LINE
	50+08		LT/RT	-	-	-	-	-	-	-	-	-	-	155	CROSSWALK
50+08	-	50+72	RT	-	-	-	-	-	-	-	-	-	-	132	CROSSWALK (E HOSPITAL RD.)
50+18	-	51+00	LT	-	-	-	-	-	-	-	-	-	-	158	CROSSWALK (BLUE BIRD RD.)
50+27	-	50+58	LT	-	-	-	-	-	-	-	30	-	-	-	WHITE STOP LINE
	50+43		LT	-	-	-	1	-	-	-	-	-	-	-	WHITE RIGHT ARROW
	50+45		LT	-	39	-	-	-	-	-	-	-	-	-	WHITE CHANNELIZING
	50+45		RT	68	-	-	-	-	-	-	-	-	-	-	DOUBLE YELLOW C/L
50+45	-	50+68	RT	-	-	-	-	-	-	-	25	-	-	-	WHITE STOP LINE
	50+46		RT	-	-	-	-	1	-	-	-	-	-	-	WHITE STRAIGHT/LEFT ARROW
	50+54		LT	-	-	-	-	1	-	-	-	-	-	-	WHITE STRAIGHT/LEFT ARROW
	50+55		RT	-	33	-	-	-	-	-	-	-	-	-	WHITE CHANNELIZING
	50+57		LT	74	-	-	-	-	-	-	-	-	-	-	DOUBLE YELLOW C/L
	50+58		RT	-	-	-	1	-	-	-	-	-	-	-	WHITE RIGHT ARROW
	50+95		LT/RT	-	-	-	-	-	-	-	-	-	-	158	CROSSWALK
50+95	-	63+68	RT	318	-	-	-	-	-	-	-	-	-	-	WHITE SKIPS (12.5' LINE, 37.5' GAP)
51+08	-	51+15	LT	-	-	-	-	-	-	15	-	-	-	-	YELLOW CURB
	51+10		LT	-	-	-	-	-	-	-	39	-	-	-	WHITE STOP LINE
51+10	-	52+58	LT	-	148	-	-	-	-	-	-	-	-	-	WHITE CHANNELIZING
51+10	-	63+70	LT	315	-	-	-	-	-	-	-	-	-	-	WHITE SKIPS (12.5' LINE, 37.5' GAP)
	51+35		LT	-	-	-	1	-	-	-	-	-	-	-	WHITE LEFT ARROW
			SUBTOTALS	2,185	415	0	9	2	0	75	158	0	126	603	

ALL ITEMS AND QUANTITIES ON THIS SHEET ARE CATEGORY 0010 UNLESS OTHERWISE NOTED

PAVEMENT MARKING (CONTINUED)

STATION	TO	STATION	LOCATION	646.0106 EPOXY 4-INCH LF	646.0126 EPOXY 8-INCH LF	647.0156 ARROWS EPOXY TYPE 1 EACH	647.0166 ARROWS EPOXY TYPE 2 EACH	647.0176 ARROWS EPOXY TYPE 3 EACH	647.0356 WORDS EPOXY EACH	647.0456 CURB EPOXY LF	647.0566 STOP LINE EPOXY 18-INCH LF	647.0606 ISLAND NOSE EPOXY EACH	647.0726 DIAGONAL EPOXY 12-INCH LF	647.0766 CROSSWALK EPOXY 6-INCH LF	COMMENT
	52+35		LT	-	-	-	1	-	-	-	-	-	-	-	WHITE LEFT ARROW
52+54	-	52+61	LT	-	-	-	-	-	-	15	-	-	-	-	YELLOW CURB
52+58	-	53+58	RL	200	-	-	-	-	-	-	-	-	-	-	DOUBLE YELLOW C/L
52+58	-	53+58	LT	201	-	-	-	-	-	-	-	-	-	-	DOUBLE YELLOW C/L
52+58	-	53+58	LT	-	-	-	-	-	-	-	-	-	63	-	YELLOW 25-FT SPACING
53+58	-	63+68	RL	1,263	-	-	-	-	-	-	-	-	-	-	SOLID / DASHED YELLOW C/L
53+58	-	63+68	LT	1,263	-	-	-	-	-	-	-	-	-	-	SOLID / DASHED YELLOW C/L
	53+65		LT	-	-	-	1	-	-	-	-	-	-	-	WHITE LEFT ARROW
	53+90		LT	-	-	-	1	-	-	-	-	-	-	-	WHITE LEFT ARROW
	57+64		LT	-	-	-	1	-	-	-	-	-	-	-	WHITE LEFT ARROW
	57+90		LT	-	-	-	1	-	-	-	-	-	-	-	WHITE LEFT ARROW
	61+62		LT	-	-	-	1	-	-	-	-	-	-	-	WHITE LEFT ARROW
	61+88		LT	-	-	-	1	-	-	-	-	-	-	-	WHITE LEFT ARROW
	63+44		LT	-	-	-	1	-	-	-	-	-	-	-	WHITE LEFT ARROW
	63+71		LT/RT	-	-	-	-	-	-	-	-	-	-	176	CROSSWALK
63+76	-	64+26	RT	-	-	-	-	-	-	-	-	-	-	96	CROSSWALK (E PLEASURE ISLAND RD.)
63+81	-	64+01	LT	-	-	-	-	-	-	-	20	-	-	-	WHITE STOP LINE
64+00	-	64+19	RT	-	-	-	-	-	-	-	19	-	-	-	WHITE STOP LINE
64+50	-	103+53	RT	973	-	-	-	-	-	-	-	-	-	-	WHITE SKIPS (12.5' LINE, 37.5' GAP)
64+50	-	97+86	RL	4,170	-	-	-	-	-	-	-	-	-	-	SOLID / DASHED YELLOW C/L
64+50	-	97+86	LT	4,186	-	-	-	-	-	-	-	-	-	-	SOLID / DASHED YELLOW C/L
64+50	-	103+65	LT	985	-	-	-	-	-	-	-	-	-	-	WHITE SKIPS (12.5' LINE, 37.5' GAP)
	64+75		LT	-	-	-	1	-	-	-	-	-	-	-	WHITE LEFT ARROW
	68+88		LT	-	-	-	1	-	-	-	-	-	-	-	WHITE LEFT ARROW
	69+13		LT	-	-	-	1	-	-	-	-	-	-	-	WHITE LEFT ARROW
	72+86		LT	-	-	-	1	-	-	-	-	-	-	-	WHITE LEFT ARROW
	73+12		LT	-	-	-	1	-	-	-	-	-	-	-	WHITE LEFT ARROW
	76+87		LT	-	-	-	1	-	-	-	-	-	-	-	WHITE LEFT ARROW
	77+12		LT	-	-	-	1	-	-	-	-	-	-	-	WHITE LEFT ARROW
	80+87		LT	-	-	-	1	-	-	-	-	-	-	-	WHITE LEFT ARROW
	81+12		LT	-	-	-	1	-	-	-	-	-	-	-	WHITE LEFT ARROW
82+19	-	82+74	RT	-	-	-	-	-	-	-	-	-	-	100	CROSSWALK (AGOF RD.)
	82+47		RT	60	-	-	-	-	-	-	-	-	-	-	DOUBLE YELLOW C/L
82+47	-	82+68	RT	-	-	-	-	-	-	-	21	-	-	-	WHITE STOP LINE
	84+87		LT	-	-	-	1	-	-	-	-	-	-	-	WHITE LEFT ARROW
	85+12		LT	-	-	-	1	-	-	-	-	-	-	-	WHITE LEFT ARROW
	88+88		LT	-	-	-	1	-	-	-	-	-	-	-	WHITE LEFT ARROW
	89+12		LT	-	-	-	1	-	-	-	-	-	-	-	WHITE LEFT ARROW
	92+88		LT	-	-	-	1	-	-	-	-	-	-	-	WHITE LEFT ARROW
	93+12		LT	-	-	-	1	-	-	-	-	-	-	-	WHITE LEFT ARROW
93+48	-	93+97	RT	-	-	-	-	-	-	-	-	-	-	90	CROSSWALK (AGOF RD.)
	93+73		RT	48	-	-	-	-	-	-	-	-	-	-	DOUBLE YELLOW C/L
93+73	-	93+92	RT	-	-	-	-	-	-	-	19	-	-	-	WHITE STOP LINE
97+51	-	97+86	LT	-	-	-	-	-	-	73	-	1	-	-	YELLOW CURB
102+07	-	103+54	RL	-	147	-	-	-	-	-	-	-	-	-	WHITE CHANNELIZING
			SUBTOTALS	13,348	147	0	23	0	0	88	79	1	63	462	

ALL ITEMS AND QUANTITIES ON THIS SHEET ARE CATEGORY 0010 UNLESS OTHERWISE NOTED

PAVEMENT MARKING (CONTINUED)

				646.0106 EPOXY 4-INCH	646.0126 EPOXY 8-INCH	647.0156 ARROWS EPOXY TYPE 1	647.0166 ARROWS EPOXY TYPE 2	647.0176 ARROWS EPOXY TYPE 3	647.0356 WORDS EPOXY	647.0456 CURB EPOXY	647.0566 STOP LINE EPOXY 18-INCH	647.0606 ISLAND NOSE EPOXY	647.0726 DIAGONAL EPOXY 12-INCH	647.0766 CROSSWALK EPOXY 6-INCH	
STATION	TO	STATION	LOCATION	LF	LF	EACH	EACH	EACH	EACH	LF	LF	EACH	LF	LF	COMMENT
	102+31		LT	-	-	-	1	-	-	-	-	-	-	-	WHITE LEFT ARROW
	103+30		LT	-	-	-	1	-	-	-	-	-	-	-	WHITE LEFT ARROW
103+37	-	103+65	LT	-	-	-	-	-	-	-	-	-	-	53	CROSSWALK (CTH G)
103+45	-	103+67	LT	-	-	-	-	1	-	-	23	-	-	-	WHITE STOP LINE
103+50	-	103+57	LT	-	-	-	-	-	-	15	-	-	-	-	YELLOW CURB
	103+54		LT/RT	-	-	-	-	-	-	-	41	-	-	-	WHITE STOP LINE
103+58	-	104+32	RT	-	-	-	-	-	-	-	-	-	-	146	CROSSWALK (PLEASURE ISLAND RD.)
	103+63		LT/RT	-	-	-	-	-	-	-	-	-	-	154	CROSSWALK
	103+65		LT	-	-	-	1	-	-	-	-	-	-	-	WHITE RIGHT ARROW
103+69	-	103+77	LT	-	38	-	-	-	-	-	-	-	-	-	WHITE CHANNELIZING
103+77	-	104+01	LT	-	-	-	-	-	-	-	24	-	-	-	WHITE STOP LINE
103+80	-	104+51	LT	-	-	-	-	-	-	-	-	-	-	140	CROSSWALK (CTH G)
	103+80		LT	-	-	1	-	-	-	-	-	-	-	-	WHITE STRAIGHT ARROW
	103+90		LT	-	61	-	-	-	-	-	-	-	-	-	WHITE CHANNELIZING
	103+90		LT	-	-	-	-	-	1	-	-	-	-	-	WHITE ONLY
	103+91		LT	-	-	-	1	-	-	-	-	-	-	-	WHITE LEFT ARROW
	104+04		LT	-	-	-	-	-	-	15	-	-	-	-	YELLOW CURB
	104+05		RT	-	-	-	-	-	-	15	-	-	-	-	YELLOW CURB
104+09	-	104+32	RT	-	-	-	-	-	-	-	23	-	-	-	WHITE STOP LINE
	104+15		RT	-	-	-	1	-	-	-	-	-	-	-	WHITE LEFT ARROW
	104+20		RT	-	52	-	-	-	-	-	-	-	-	-	WHITE CHANNELIZING
	104+26		RT	-	-	1	-	-	-	-	-	-	-	-	WHITE STRAIGHT ARROW
104+31	-	104+40	RT	-	48	-	-	-	-	-	-	-	-	-	WHITE CHANNELIZING
104+41	-	104+67	RT	-	-	-	-	-	-	-	26	-	-	-	WHITE STOP LINE
104+44	-	104+76	RT	-	-	-	-	-	-	-	-	-	-	60	CROSSWALK (PLEASURE ISLAND RD.)
	104+45		RT	-	-	-	1	-	-	-	-	-	-	-	WHITE RIGHT ARROW
	104+45		LT/RT	-	-	-	-	-	-	-	-	-	-	146	CROSSWALK
104+46	-	165+55	RT	1,529	-	-	-	-	-	-	-	-	-	-	WHITE SKIPS (12.5' LINE, 37.5' GAP)
104+57	-	104+64	LT	-	-	-	-	-	-	15	-	-	-	-	YELLOW CURB
	104+60		LT	-	-	-	-	-	-	-	38	-	-	-	WHITE STOP LINE
104+60	-	106+10	LT	-	150	-	-	-	-	-	-	-	-	-	WHITE CHANNELIZING
104+60	-	165+55	LT	1,519	-	-	-	-	-	-	-	-	-	-	WHITE SKIPS (12.5' LINE, 37.5' GAP)
	104+84		LT	-	-	-	1	-	-	-	-	-	-	-	WHITE LEFT ARROW
	105+86		LT	-	-	-	1	-	-	-	-	-	-	-	WHITE LEFT ARROW
108+65	-	109+01	LT	-	-	-	-	-	-	75	-	1	-	-	YELLOW CURB
108+65	-	151+44	RL	5,348	-	-	-	-	-	-	-	-	-	-	SOLID / DASHED YELLOW C/L
108+65	-	151+83	LT	5,390	-	-	-	-	-	-	-	-	-	-	SOLID / DASHED YELLOW C/L
	109+25		LT	-	-	-	1	-	-	-	-	-	-	-	WHITE LEFT ARROW
	109+49		LT	-	-	-	1	-	-	-	-	-	-	-	WHITE LEFT ARROW
	113+21		LT	-	-	-	1	-	-	-	-	-	-	-	WHITE LEFT ARROW
	113+45		LT	-	-	-	1	-	-	-	-	-	-	-	WHITE LEFT ARROW
	117+21		LT	-	-	-	1	-	-	-	-	-	-	-	WHITE LEFT ARROW
	117+45		LT	-	-	-	1	-	-	-	-	-	-	-	WHITE LEFT ARROW
	121+21		LT	-	-	-	1	-	-	-	-	-	-	-	WHITE LEFT ARROW
	121+46		LT	-	-	-	1	-	-	-	-	-	-	-	WHITE LEFT ARROW
			SUBTOTALS	13,786	349	2	16	1	1	135	175	1	0	699	

ALL ITEMS AND QUANTITIES ON THIS SHEET ARE CATEGORY 0010 UNLESS OTHERWISE NOTED

PAVEMENT MARKING (CONTINUED)

				646.0106 EPOXY 4-INCH	646.0126 EPOXY 8-INCH	647.0156 ARROWS EPOXY TYPE 1	647.0166 ARROWS EPOXY TYPE 2	647.0176 ARROWS EPOXY TYPE 3	647.0356 WORDS EPOXY	647.0456 CURB EPOXY	647.0566 STOP LINE EPOXY 18-INCH	647.0606 ISLAND NOSE EPOXY	647.0726 DIAGONAL EPOXY 12-INCH	647.0766 CROSSWALK EPOXY 6-INCH	
STATION	TO	STATION	LOCATION	LF	LF		EACH	EACH	EACH	LF	LF	EACH	LF	LF	COMMENT
	124+05		RT	43	-	-	-	-	-	-	-	-	-	-	DOUBLE YELLOW C/L
124+05	-	124+30	RT	-	-	-	-	-	-	-	24	-	-	-	WHITE STOP LINE
	125+21		LT	-	-	-	1	-	-	-	-	-	-	-	WHITE LEFT ARROW
	125+46		LT	-	-	-	1	-	-	-	-	-	-	-	WHITE LEFT ARROW
	129+21		LT	-	-	-	1	-	-	-	-	-	-	-	WHITE LEFT ARROW
	129+46		LT	-	-	-	1	-	-	-	-	-	-	-	WHITE LEFT ARROW
	133+21		LT	-	-	-	1	-	-	-	-	-	-	-	WHITE LEFT ARROW
	133+46		LT	-	-	-	1	-	-	-	-	-	-	-	WHITE LEFT ARROW
	137+21		LT	-	-	-	1	-	-	-	-	-	-	-	WHITE LEFT ARROW
	137+46		LT	-	-	-	1	-	-	-	-	-	-	-	WHITE LEFT ARROW
	141+21		LT	-	-	-	1	-	-	-	-	-	-	-	WHITE LEFT ARROW
	141+46		LT	-	-	-	1	-	-	-	-	-	-	-	WHITE LEFT ARROW
	145+21		LT	-	-	-	1	-	-	-	-	-	-	-	WHITE LEFT ARROW
	145+46		LT	-	-	-	1	-	-	-	-	-	-	-	WHITE LEFT ARROW
	149+21		LT	-	-	-	1	-	-	-	-	-	-	-	WHITE LEFT ARROW
	149+46		LT	-	-	-	1	-	-	-	-	-	-	-	WHITE LEFT ARROW
151+37	-	152+23	LT	-	-	-	-	-	-	106	-	2	-	-	YELLOW CURB
	152+66		RT	135	-	-	-	-	-	-	-	-	-	-	DOUBLE YELLOW C/L
152+66	-	152+94	RT	-	-	-	-	-	-	-	32	-	-	-	WHITE STOP LINE
153+19	-	153+26	LT	-	-	-	-	-	-	15	-	-	-	-	YELLOW CURB
153+20	-	154+20	LT	-	100	-	-	-	-	-	-	-	-	-	WHITE CHANNELIZING
	153+44		LT	-	-	-	1	-	-	-	-	-	-	-	WHITE LEFT ARROW
	153+95		LT	-	-	-	1	-	-	-	-	-	-	-	WHITE LEFT ARROW
155+21	-	155+43	LT	-	-	-	-	-	-	49	-	1	-	-	YELLOW CURB
155+21	-	165+55	RL	1,293	-	-	-	-	-	-	-	-	-	-	SOLID / DASHED YELLOW C/L
155+21	-	165+55	LT	1,293	-	-	-	-	-	-	-	-	-	-	SOLID / DASHED YELLOW C/L
	156+13		LT	-	-	-	1	-	-	-	-	-	-	-	WHITE LEFT ARROW
	156+38		LT	-	-	-	1	-	-	-	-	-	-	-	WHITE LEFT ARROW
	160+13		LT	-	-	-	1	-	-	-	-	-	-	-	WHITE LEFT ARROW
	160+38		LT	-	-	-	1	-	-	-	-	-	-	-	WHITE LEFT ARROW
	164+13		LT	-	-	-	1	-	-	-	-	-	-	-	WHITE LEFT ARROW
	164+38		LT	-	-	-	1	-	-	-	-	-	-	-	WHITE LEFT ARROW
165+54	-	174+02	RT	848	-	-	-	-	-	-	-	-	-	-	WHITE EDGE LINE
165+54	-	173+70	RL	1,632	-	-	-	-	-	-	-	-	-	-	DOUBLE YELLOW C/L
165+54	-	173+70	LT	1,700	-	-	-	-	-	-	-	-	-	-	DOUBLE YELLOW C/L
165+54	-	174+02	LT	848	-	-	-	-	-	-	-	-	-	-	WHITE EDGE LINE
165+54	-	172+95	LT	-	-	-	-	-	-	-	-	-	650	-	YELLOW 25-FT SPACING
173+70	-	174+02	LT/RT	64	-	-	-	-	-	-	-	-	-	-	DOUBLE YELLOW C/L
			SUBTOTALS	7,855	100	0	22	0	0	170	56	3	650	0	
			TOTALS	**43,034**	**1,940**	**4**	**95**	**6**	**6**	**817**	**768**	**9**	**839**	**3,077**	

ALL ITEMS AND QUANTITIES ON THIS SHEET ARE CATEGORY 0010 UNLESS OTHERWISE NOTED

TEMPORARY PAVEMENT MARKINGS

					646.0600 REMOVING PAVEMENT MARKINGS	**649.0400** TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH	**649.0600** TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 6-INCH	
STATION	TO	STATION	LOCATION	STAGE	LF	LF	LF	COMMENT
18+78	-	19+38	RT	1	15	-	-	WHITE SKIPS
18+75	-	21+12	RT	1	-	252	-	WHITE
165+54	-	174+02	LT	1	-	847	-	YELLOW
165+54	-	174+02	LT	1	-	847	-	YELLOW
TEMPORARY PEDESTRIAN CROSSWALKS				1	-	-	2,230	WHITE
18+82	-	19+82	RT	2	-	101	-	YELLOW
165+54	-	174+02	LT	2	-	848	-	YELLOW
165+54	-	174+02	LT	2	-	846	-	YELLOW
				TOTALS	**15**	**3,741**	**2,230**	

CONSTRUCTION STAKING

				650.5000 BASE	**650.5500** CURB GUTTER AND CURB & GUTTER	**650.8000** RESURFACING REFERENCE	**650.8500** ELECTRICAL INSTALLATIONS 1601-14-72	**650.9910** SUPPLEMENTAL CONTROL 1601-14-72	
STATION	TO	STATION	LOCATION	LF	LF	LF	LS	LS	COMMENT
21+11	-	174+02	LT/RT	---	---	17,290	---	---	MAINLINE
21+15	-	123+81	LT/RT	2,000	---	---	---	---	CURB RAMP REPLACEMENTS
22+25	-	159+26	LT/RT	---	2,752	---	---	---	CURB & GUTTER REPLACEMENTS
UNDISTRIBUTED				---	---	---	1	1	PROJECT 1601-14-72
			TOTAL	**2,000**	**2,752**	**17,290**	**1**	**1**	

SPV.0035.01 MUDJACKING

STATION	TO	STATION	LOCATION	CY	COMMENT
35+97.47	-	36+50.46	LT	3	APPROACH SLAB REPAIRS
36+20.56	-	36+72.74	RT	3	APPROACH SLAB REPAIRS
39+09.97	-	39+64.07	LT	3	APPROACH SLAB REPAIRS
39+32.80	-	39+87.80	RT	3	APPROACH SLAB REPAIRS
			TOTAL	**12**	

SPV.0180.01 PROTECTIVE THEMOPLASTIC COATING AT SNOWMOBILE TRAIL CROSSINGS

STATION	LOCATION	SY	COMMENT
32+50	LT,RT	176	MATCH EXISTING CURB CUT
98+55	LT,RT	286	MATCH EXISTING CURB CUT
	TOTAL	**462**	

ALL ITEMS AND QUANTITIES ON THIS SHEET ARE CATEGORY 0010 UNLESS OTHERWISE NOTED

TRAFFIC LOOP DETECTORS

STATION	TO	STATION	LOCATION	SIZE (FT X FT)	NO. OF TURNS	652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	652.0700.S INSTALL CONDUIT INTO EXISTING ITEM EACH	652.0800 CONDUIT LOOP DETECTOR LF	653.0105 PULL BOXES STEEL 12X24-INCH EACH	655.0700 LOOP DETECTOR LEAD IN CABLE LF	655.0800 LOOP DETECTOR WIRE LF	COMMENT
55+20	-	55+38	RT	6 X 6	4	-	1	53	-	-	222	INSTALL INTO EXISTING PULLBOX PB61
55+20	-	55+38	RT	6 X 6	4	-	-	71	-	-	294	INSTALL INTO EXISTING PULLBOX PB61
55+38	-	57+60	LT	-	-	-	-	-	-	658	-	2 WIRES (PB61 - PB62 - PB63 - PB46 - PB46A - CB3)
57+60	-	60+51	LT	-	-	-	-	-	-	838	-	2 WIRES (CB3 - PB46A - PB47 - PB50 - PB51 - PB52 - PB53 - PB54)
60+51	-	60+81	LT	6 X 6	4	-	1	77	-	-	318	INSTALL INTO EXISTING PULLBOX PB54
60+51	-	60+81	LT	6 X 6	4	-	-	90	-	-	370	INSTALL INTO EXISTING PULLBOX PB54
47+68	-	47+75	RT	6 X 6	4	-	1	43	1	-	182	INSTALL INTO NEW PULLBOX PB12A
47+68	-	47+75	RT	6 X 6	4	-	-	66	-	-	274	INSTALL INTO NEW PULLBOX PB12A
47+75	-	49+96	LT/RT	-	-	-	-	-	-	824	-	2 WIRES (PB12A - PB12 - PB11 - PB14 - PB1 - CB1)
49+54	-	49+94	LT	6 X 20	3	-	1	100	-	-	310	INSTALL INTO EXISTING PULLBOX PB14
49+94	-	49+96	LT	-	-	-	-	-	-	101	-	1 WIRE (PB14 - PB1 - CB1)
49+96	-	50+31	LT	-	-	-	-	-	-	192	-	2 WIRES (CB1 - PB1 - PB2)
49+96	-	50+70	LT/RT	-	-	-	-	-	-	708	-	2 WIRES (CB1 - PB1 - PB4 - PB7 - PB8 - PB9)
49+96	-	51+12	LT	-	-	-	-	-	-	244	-	1 WIRE (CB1 - PB1 - PB4 - PB7)
49+96	-	53+41	LT	-	-	-	-	-	-	830	-	2 WIRES (CB1 - PB1 - PB4 - PB5 - PB5A)
50+31	-	50+46	LT	6 X 20	3	-	1	74	-	-	232	INSTALL INTO EXISTING PULLBOX PB2
50+31	-	50+59	LT	6 X 20	3	-	-	97	-	-	301	INSTALL INTO EXISTING PULLBOX PB2
50+44	-	50+70	RT	6 X 20	3	-	1	91	-	-	283	INSTALL INTO EXISTING PULLBOX PB9
50+56	-	50+70	RT	6 X 20	3	-	-	70	-	-	220	INSTALL INTO EXISTING PULLBOX PB9
51+11	-	51+54	LT	6 X 20	3	-	1	105	-	-	325	INSTALL INTO EXISTING PULLBOX PB7
53+30	-	53+41	LT	6 X 6	4	-	1	60	1	-	250	INSTALL INTO NEW PULLBOX PB5A
53+30	-	53+41	LT	6 X 6	4	-	-	38	-	-	162	INSTALL INTO NEW PULLBOX PB5A
100+15	-	100+31	RT	6 X 6	4	-	-	47	1	-	198	INSTALL INTO NEW PULLBOX PB29A
100+17	-	100+31	RT	6 X 6	4	-	-	65	-	-	270	INSTALL INTO NEW PULLBOX PB29A
100+31	-	100+70	RT	-	-	35	1	-	-	-	-	PB29A - PB29 (EXISTING)
100+31	-	103+33	LT/RT	-	-	-	-	-	-	1,092	-	2 WIRES (PB29A - PB29 - PB28 - PB27 - PB30 - PB15 - CB2)
103+09	-	103+54	LT	6 X 20	3	-	1	110	-	-	340	INSTALL INTO EXISTING PULLBOX PB30
103+33	-	103+41	LT	-	-	-	-	-	-	76	-	2 WIRES (CB2 - PB15)
103+33	-	103+54	LT	-	-	-	-	-	-	106	-	1 WIRE (CB2 - PB15 - PB30)
103+33	-	104+05	LT/RT	-	-	-	-	-	-	259	-	1 WIRE (CB2 - PB15 - PB30 - PB27 - PB26)
103+33	-	104+37	LT/RT	-	-	-	-	-	-	921	-	3 WIRES (CB2 - PB15 - PB30 - PB27 - PB26 - PB25)
103+33	-	104+61	LT	-	-	-	-	-	-	261	-	1 WIRE (CB2 - PB15 - PB17 - PB18 - PB19 - PB22)
103+33	-	108+05	LT	-	-	-	-	-	-	1,169	-	2 WIRES (CB2 - PB15 - PB17 - PB18 - PB19 - PB20 - PB21 - PB21A)
103+41	-	103+64	LT	6 X 20	3	-	1	82	-	-	256	INSTALL INTO EXISTING PULLBOX PB15
103+41	-	103+68	LT	6 X 20	3	-	-	88	-	-	274	INSTALL INTO EXISTING PULLBOX PB15
104+05	-	104+17	RT	6 X 20	3	-	1	108	-	-	334	INSTALL INTO EXISTING PULLBOX PB26
104+23	-	104+37	RT	6 X 20	3	-	1	105	-	-	325	INSTALL INTO EXISTING PULLBOX PB25
104+37	-	104+50	RT	6 X 20	3	-	-	87	-	-	271	INSTALL INTO EXISTING PULLBOX PB25
104+37	-	104+59	RT	6 X 20	3	-	1	78	-	-	244	INSTALL INTO EXISTING PULLBOX PB25
104+61	-	105+03	LT	6 X 20	3	-	1	105	-	-	325	INSTALL INTO EXISTING PULLBOX PB22
107+52	-	108+05	LT	-	-	48	1	-	-	-	-	PB21 (EXISTING) - PB21A
107+90	-	108+05	LT	6 X 6	4	-	-	63	1	-	262	INSTALL INTO NEW PULLBOX PB21A
107+91	-	108+05	LT	6 X 6	4	-	-	42	-	-	178	INSTALL INTO NEW PULLBOX PB21A
					TOTALS	**83**	**16**	**2,015**	**4**	**8,279**	**7,020**	

ALL ITEMS AND QUANTITIES ON THIS SHEET ARE CATEGORY 0010 UNLESS OTHERWISE NOTED

SAWING

STATION	TO	STATION	LOCATION	690.0150 ASPHALT LF	690.0250 CONCRETE LF	COMMENT
	22+25		RT	14	-	INLET RECONSTRUCTION
	31+05		RT	14	-	INLET RECONSTRUCTION
	33+35		LT	14	-	INLET RECONSTRUCTION
	34+90		LT	14	-	INLET RECONSTRUCTION
	36+00		RT	14	-	INLET RECONSTRUCTION
	36+17		LT	-	9	STRUCTURE APPROACH REPAIRS
	36+18		LT	-	2	MEDIAN REPAIRS
	36+26		LT	-	2	MEDIAN REPAIRS
	36+44		LT	-	16	MEDIAN REPAIRS
	36+50		RT	-	8	STRUCTURE APPROACH REPAIRS
	39+16		LT	-	9	STRUCTURE APPROACH REPAIRS
	39+38		LT	-	16	MEDIAN REPAIRS
	39+69		RT	-	7	STRUCTURE APPROACH REPAIRS
	52+45		LT	14	-	INLET RECONSTRUCTION
	52+95		RT	14	-	INLET RECONSTRUCTION
	55+29		RT	57	13	LOOP DETECTOR
	56+50		LT	14	-	INLET RECONSTRUCTION
	56+50		RT	14	-	INLET RECONSTRUCTION
	60+67		LT	65	29	LOOP DETECTOR
	62+50		LT,RT	42	-	INLET RECONSTRUCTION
	46+50		LT	14	-	INLET RECONSTRUCTION
	47+50		LT,RT	28	-	INLET RECONSTRUCTION
	47+71		RT	59	5	LOOP DETECTOR
	49+74		LT	35	6	LOOP DETECTOR
	50+51		LT	69	5	LOOP DETECTOR
	50+51		RT	68	5	LOOP DETECTOR
	51+44		LT	35	6	LOOP DETECTOR
	53+34		LT	49	5	LOOP DETECTOR
	60+25		LT	14	-	INLET RECONSTRUCTION
	61+00		LT	14	-	INLET RECONSTRUCTION
	70+25		LT	14	-	INLET RECONSTRUCTION
	78+75		LT	14	-	INLET RECONSTRUCTION
	85+75		RT	14	-	INLET RECONSTRUCTION
	88+50		RT	14	-	INLET RECONSTRUCTION
	89+75		RT	14	-	INLET RECONSTRUCTION
	90+00		RT	14	-	INLET RECONSTRUCTION
	91+25		RT	14	-	INLET RECONSTRUCTION
	96+50		RT	14	-	INLET RECONSTRUCTION
	99+00		RT	14	-	INLET RECONSTRUCTION
	100+20		RT	50	5	LOOP DETECTOR
	103+19		LT	35	6	LOOP DETECTOR
	103+62		LT	96	5	LOOP DETECTOR
	104+21		RT	80	6	LOOP DETECTOR
	104+49		RT	115	5	LOOP DETECTOR
	104+93		LT	35	6	LOOP DETECTOR
	REPAIR SUBTOTALS			1,212	176	

SAWING (CONT.)

STATION	TO	STATION	LOCATION	690.0150 ASPHALT LF	690.0250 CONCRETE LF	COMMENT
	107+93		LT	50	5	LOOP DETECTOR
	112+75		LT	14	-	INLET RECONSTRUCTION
	112+85		RT	14	-	INLET RECONSTRUCTION
	123+75		RT	14	-	INLET RECONSTRUCTION
	139+74		RT	14	-	INLET RECONSTRUCTION
	140+04		LT	14	-	INLET RECONSTRUCTION
	142+99		LT	14	-	INLET RECONSTRUCTION
	151+76		LT	14	-	INLET RECONSTRUCTION
	159+26		RT	14	-	INLET RECONSTRUCTION
	174+00		CL	25	-	TERMINI
	REPAIR SUBTOTALS			187	5	
	21+16		LT	41	13	WILLOW ST CURB REPLACEMENT
	21+71		LT	39	12	WILLOW ST CURB REPLACEMENT
	29+87		LT	23	18	DIVISION ST CURB REPLACEMENT
	33+15		RT	77	15	SPRUCE ST CURB REPLACEMENT
	33+50		RT	69	-	SPRUCE ST CURB REPLACEMENT
	34+00		RT	82	14	SPRUCE ST CURB REPLACEMENT
	47+10		LT	43	13	W. ILLINOIS ST CURB REPLACEMENT
	47+75		LT	42	13	W. ILLINOIS ST CURB REPLACEMENT
	57+50		RT	47	15	E. MCKINLEY ST CURB REPLACEMENT
	58+60		RT	46	10	E. MCKINLEY ST CURB REPLACEMENT
	57+50		LT	62	10	W. MILL ST CURB REPLACEMENT
	58+37		LT	44	11	W. MILL ST CURB REPLACEMENT
	60+46		RT	-	54	SOUTH CURB REPLACEMENT
	60+46		RT	-	57	NORTH CURB REPLACEMENT
	63+38		LT	45	10	JACK FROST CURB REPLACEMENT
	64+00		LT	45	9	JACK FROST CURB REPLACEMENT
	63+38		RT	-	52	SOUTH CURB REPLACEMENT
	63+81		RT	-	52	NORTH CURB REPLACEMENT
	46+27		RT	-	57	SOUTH CURB REPLACEMENT
	46+93		RT	-	57	NORTH CURB REPLACEMENT
	46+50		LT	51	9	SOUTH CURB REPLACEMENT
	47+06		LT	54	9	NORTH CURB REPLACEMENT
	50+00		RT	58	10	HOSPITAL ROAD CURB REPLACEMENT
	51+00		RT	62	10	HOSPITAL ROAD CURB REPLACEMENT
	50+00		LT	58	14	BLUEBIRD RD CURB REPLACEMENT
	51+00		LT	41	11	BLUEBIRD RD CURB REPLACEMENT
	63+50		RT	41	11	PLEASURE ISLAND RD CURB REPLACEMENT
	64+50		RT	43	10	PLEASURE ISLAND RD CURB REPLACEMENT
	63+66		LT	38	11	AIRPORT RD CURB REPLACEMENT
	82+12		RT	47	10	ENTRANCE S. CURB REPLACEMENT
	82+78		RT	56	9	ENTRANCE S. CURB REPLACEMENT
	93+50		RT	39	11	ENTRANCE N. CURB REPLACEMENT
	94+00		RT	40	11	ENTRANCE N. CURB REPLACEMENT
	103+56		RT	38	10	PLEASURE ISLAND RD CURB REPLACEMENT
	104+39		RT	91	-	PLEASURE ISLAND RD CURB REPLACEMENT
	104+75		RT	42	11	PLEASURE ISLAND RD CURB REPLACEMENT
	103+50		LT	40	6	CTH G CURB REPLACEMENT
	103+72		LT	77	-	CTH G CURB REPLACEMENT
	104+55		LT	42	5	CTH G CURB REPLACEMENT
	123+70		RT	40	10	MCKINLEY BLVD
	CURB RAMP SUBTOTALS			1,703	670	
			TOTAL	**3,102**	**851**	

ALL ITEMS AND QUANTITIES ON THIS SHEET ARE CATEGORY 0010 UNLESS OTHERWISE NOTED

LEGEND

XXX XXX SAWING ASPHALT

BENCHMARK

CONTROL POINT

N

BEGIN PROJECT
STA 21+11
Y = 105,784.80
X = 500,390.12
SAWCUT REQ'D

STA 21+47, 104' LT
BUTT JOINT REQ'D
SAWING ASPHALT REQ'D

CHARTER COMMUNICATIONS
COMMUNICATION

FRONTIER
COMMUNICATION

EAGLE RIVER LIGHT
AND WATER
SANITARY SEWER

EAGLE RIVER LIGHT
AND WATER
ELECTRIC

WILLOW ST

USH 45/STH 32/STH 17
BRIDGE ST

PC: 19+69.69

BP: 18+31.00

R/W

EP: 576+11.60

PI: 575+29.39

PI: 574+12.88

20+00

22+00

24+00

PT: 22+32.95

PC: 22+32.95

SEE PLAN DETAILS
FOR CURB RAMP DETAILS

EAGLE RIVER LIGHT AND WATER
WATER

RECONSTRUCTING INLETS
STA 22+25, 24.21' RT

EAGLE RIVER LIGHT AND WATER
ELECTRIC

EAGLE RIVER LIGHT AND WATER

USH 45/STH 32/STH 70/W PINE ST

575

574

576

570

GPS II INC

MARCELLA SULLIVAN

DEPARTMENT OF TRANSPORTATION
STATE OF WISCONSIN

JENNIFER L. BOSKETT

TWIN PEAKS III LLC

5

5

PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	PLAN	SHEET 160	E

5

5

LEGEND

XXX XXX SAWING ASPHALT

BENCHMARK

CONTROL POINT

N

EAGLE RIVER LIGHT AND WATER ELECTRIC

R/W

PT: 26+67.74

26+00

W WALL ST

GPS II INC

PC: 28+32.81

28+00

W DIVISION ST

STA 26+55, 102' RT
BUTT JOINT REQ'D
SAWING ASPHALT REQ'D

EAGLE RIVER LIGHT AND WATER ELECTRIC

LAHUTA LLC

SEE PLAN DETAILS FOR CURB RAMP DETAILS

VOYAGEUR INVESTMENT LLC

EAGLE RIVER LIGHT AND WATER ELECTRIC

FRONTIER COMMUNICATIONS COMMUNICATION

SEE PLAN DETAILS FOR THERMOPLASTIC COATING AT SNOWMOBILE TRAIL CROSSING

W RIVERVIEW DR

30+00

CITY OF EAGLE RIVER

PT: 33+17.42

RECONSTRUCTING INLETS
STA 33+35, 19.25' LT

RECONSTRUCTING INLETS
STA 34+90, 5.23' LT

CITY OF EAGLE RIVER

R/W

CITY OF EAGLE RIVER

SEE PLAN DETAILS FOR BRIDGE APPROACH REPAIR DETAILS

WILL A SADEK

EAGLE RIVER

RIPRAP

32+00

BM200

BM201

34+00

36+00

USH 45/STH 32/STH 17
BRIDGE ST

38+00

40+00

BM218

RECONSTRUCTING INLETS
STA 31+05, 2.70' RT

FRONTIER COMMUNICATIONS COMMUNICATION

B-63-15
(SEE STRUCTURE PLAN)

SEE PLAN DETAILS
FOR BRIDGE APPROACH
REPAIR DETAILS

EAGLE RIVER LIGHT AND WATER
SANITARY SEWER

N RAILROAD ST

EAGLE RIVER LIGHT AND WATER
ELECTRIC
SEE PLAN DETAILS
FOR CURB RAMP DETAILS

STA 33+46, 63' RT
BUTT JOINT REQ'D
SAWING ASPHALT REQ'D

E DIVISION ST

E SPRICE ST

POTRYKUS DENTAL OFFICE LLC

R/W

SEE PLAN DETAILS
FOR CURB RAMP DETAILS

ROANLD L MEINHOLZ TRUST

CHAMBER OF EAGLE RIVER

RECONSTRUCTING INLETS
STA 36+00, 25.29' RT

SEE PLAN DETAILS
FOR CURB RAMP DETAILS

ROANLD L MEINHOLZ TRUST

CITY OF EAGLE RIVER

JUANITA D SANDOW-VOGEL

YOUNG HOLDINGS LLC

MOHR TRUST

JOHN ROTTIER

TONY L KLEEBA

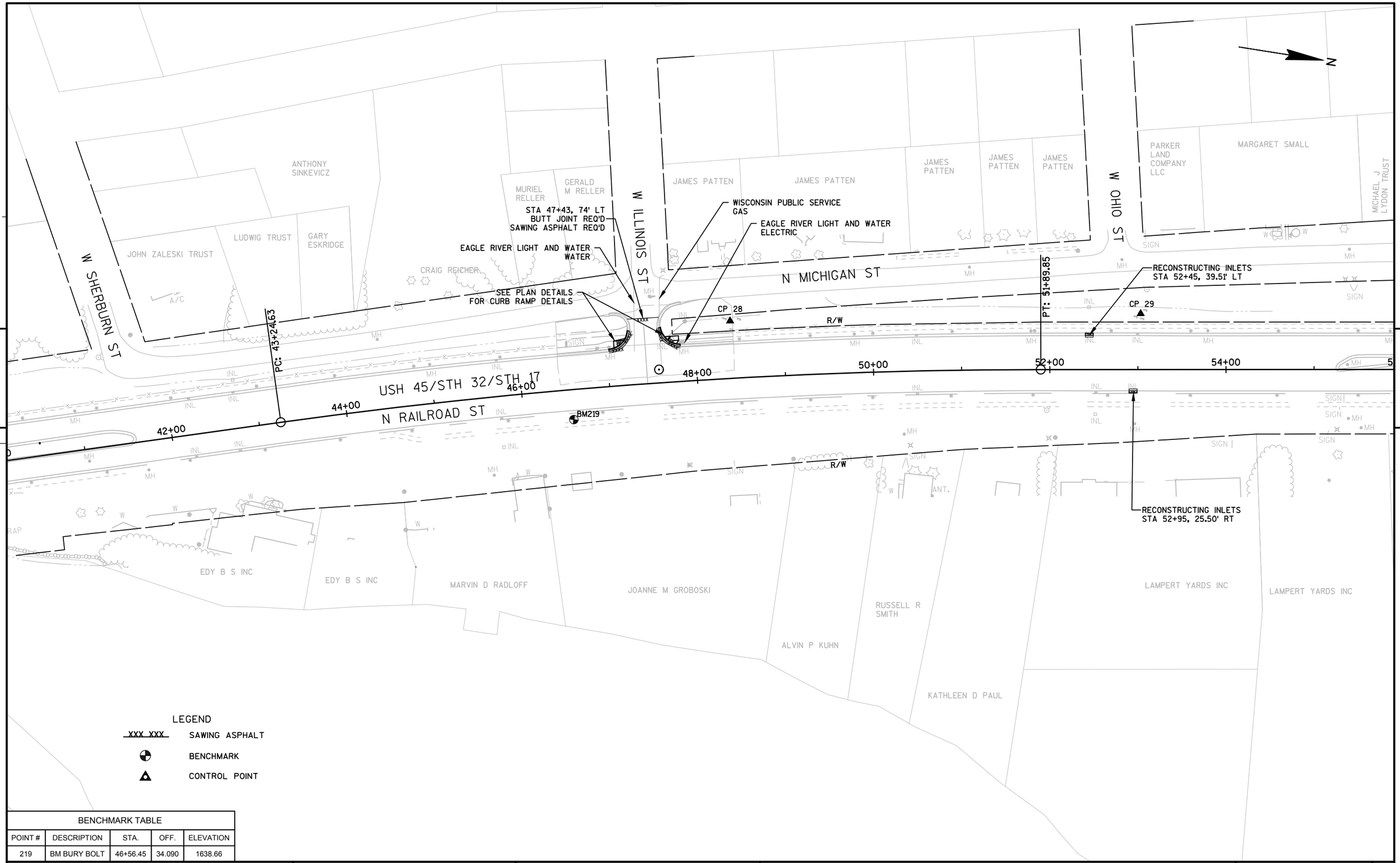
JAMES B MOHR

EAGLE RIVER LIGHT AND WATER
WATER

BENCHMARK TABLE

POINT #	DESCRIPTION	STA.	OFF.	ELEVATION
200	BM GPS DP1777	30+66.38	71.972	1637.45
201	DP1777 CALC	30+64.18	84.720	1637.59
218	BM HYD ARROW	36+20.08	37.987	1637.54

PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	PLAN	SHEET 161	E



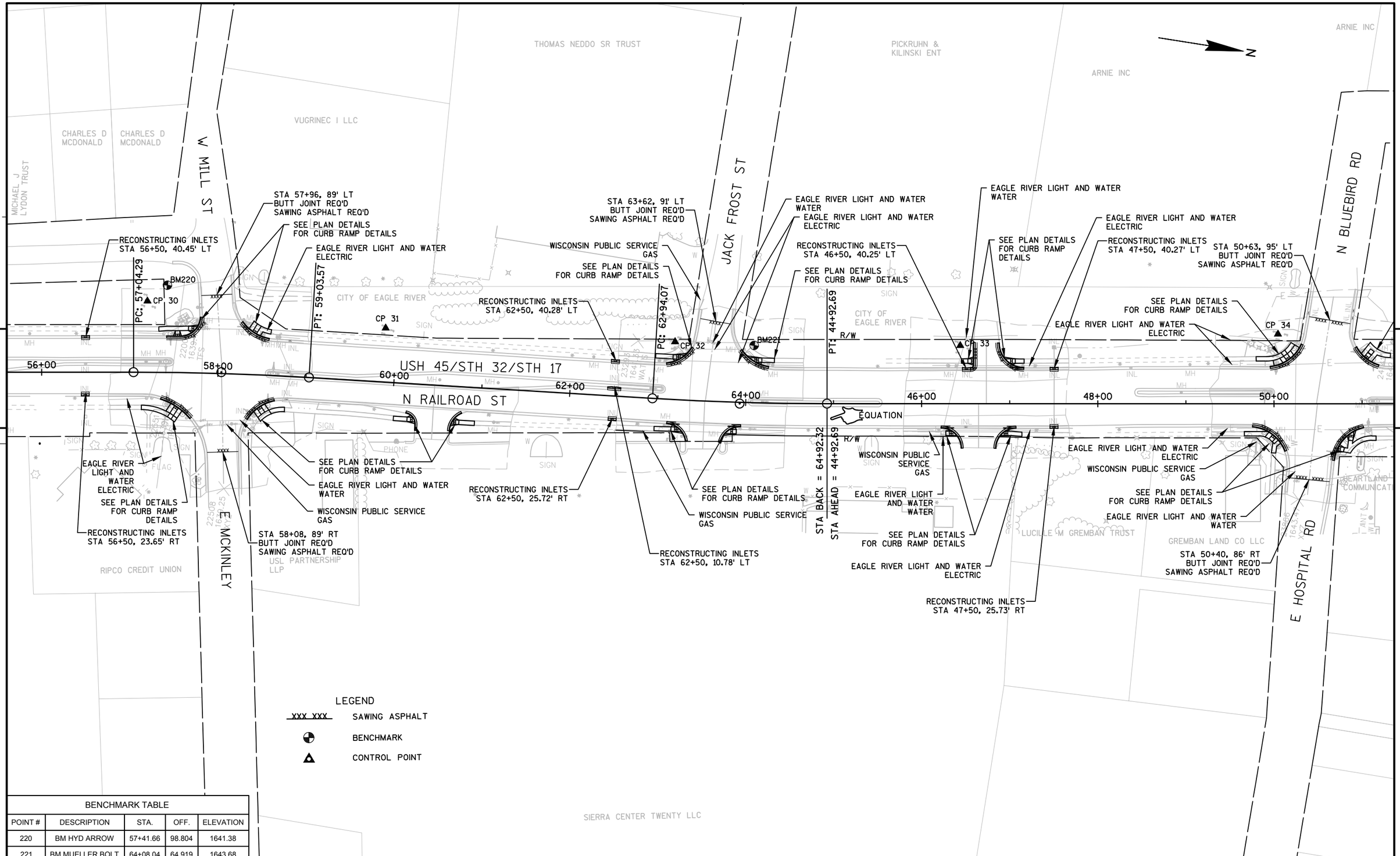
LEGEND

XXX XXX	SAWING ASPHALT
	BENCHMARK
	CONTROL POINT

BENCHMARK TABLE				
POINT #	DESCRIPTION	STA.	OFF.	ELEVATION
219	BM BURY BOLT	46+56.45	34.090	1638.66

PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	PLAN	SHEET 162	E

FILE NAME : P:\2014\2014.068 - WISDOT NC - USH 45, VILAS\CAD\16011472\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - (16)
PLOT DATE : 4/19/2017 7:20 PM PLOT BY : CHAD D. GRUNDEMANN PLOT NAME : PLOT SCALE : 1:100_XREF
WISDOT/CADDS SHEET 44



LEGEND

XXX XXX	SAWING ASPHALT
⊕	BENCHMARK
▲	CONTROL POINT

BENCHMARK TABLE

POINT #	DESCRIPTION	STA.	OFF.	ELEVATION
220	BM HYD ARROW	57+41.66	98.804	1641.38
221	BM MUELLER BOLT	64+08.04	64.919	1643.68

PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	PLAN	SHEET 163	E

LEGEND

XXX XXX SAWING ASPHALT

BENCHMARK

CONTROL POINT

N

CITY OF EAGLE RIVER

ARNIE INC

GREGORY A HERFINDAHL TRUST

BARRY D CLURE

WILLIAM K SUMMERS

INGE R KNAUZ

INGE R KNAUZ

GREGORY A HERFINDAHL TRUST

N BLUEBIRD RD

N BLUEBIRD RD

RMLT LLC

RMLT LLC

LYNDALE TERMINAL AKA CO

FAST LANE CAR WASH INC

THREE BONS LLC

GREGORY A HERFINDAHL TRUST

AIRPORT RD

SEE PLAN DETAILS FOR CURB RAMP DETAILS

CITY OF EAGLE RIVER

RECONSTRUCTING INLETS STA 60+25, 42.00' LT

RECONSTRUCTING INLETS STA 61+00, 42.01' LT

STA 64+01, 91' LT BUTT JOINT REQ'D SAWING ASPHALT REQ'D

SEE PLAN DETAILS FOR CURB RAMP DETAILS

EAGLE RIVER LIGHT AND WATER ELECTRIC

EAGLE RIVER LIGHT AND WATER WATER

CITY OF EAGLE RIVER

R/W

CP 35

BM223

CP

5

5

USH 45/STH 32/STH 17

N RAILROAD ST

52+00 54+00 56+00 58+00 60+00 62+00 64+00 66+00

BM222

R/W

HEARTLAND COMMUNICATIONS LLC

GARY G DALBECK

RIVER VALLEY BANK CORP

THOMAS SURIANO

VOLUNTEER ENTERPRISE SENIOR EAGLE RIVER INC

VOLUNTEER ENTERPRISE SENIOR EAGLE RIVER INC

RAYMOND T ZYHOWSKI

EAGLE RIVER LIGHT AND WATER WATER

EAGLE RIVER LIGHT AND WATER ELECTRIC

SEE PLAN DETAILS FOR CURB RAMP DETAILS

WISCONSIN PUBLIC SERVICE GAS

STA 64+00, 81' RT BUTT JOINT REQ'D SAWING ASPHALT REQ'D

PLEASURE ISLAND RD

SEE PLAN DETAILS FOR CURB RAMP DETAILS

FIVE D PROMOTIONS INC

BENCHMARK TABLE

POINT #	DESCRIPTION	STA.	OFF.	ELEVATION
222	BM HYD MUELLER BOLT	51+90.90	52.349	1646.24
223	BM HYD MUELLER BOLT	64+46.77	69.578	1646.70

PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	PLAN	SHEET 164	E

FILE NAME : P:\2014\2014.068 - WISDOT NC - USH 45, VILAS\CAD\16011472\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - (24)

PLOT DATE : 4/19/2017 7:21 PM PLOT BY : CHAD D. GRUNDEMANN PLOT NAME : PLOT SCALE : 1:100_XREF

CLARENCE G GRENIER

NATIONAL PROPANE LP

MAX E ROCKAFELLOW TRUST

THOMAS A NEDDO

JAMES D AYERS TRUST

MARY J PALO

AIR ENTERPRISES LLC

GREGORY A HERFINDAHL TRUST

BENNINGTON COMPANY LLC

RECONSTRUCTING INLETS
INLET COVERS TYPE H
STA 70+25, 42.17' LT

RECONSTRUCTING INLETS
INLET COVERS TYPE H
STA 78+75, 42.36, LT

PC: 75+16.37

CITY OF EAGLE RIVER

CITY OF EAGLE RIVER

R/W

CP 36

USH 45/STH 32/STH 17
N RAILROAD ST

66+00 68+00 70+00 72+00 74+00 76+00 78+00 80+00

R/W

MARGARET E EVERETT

FIVE D PROMOTIONS INC

FIVE D PROMOTIONS INC

THOMAS ANDERSON

FIVE D PROMOTIONS INC

LEGEND

XXX XXX SAWING ASPHALT

BENCHMARK

CONTROL POINT

PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	PLAN	SHEET 165	E

FILE NAME : P:\2014\2014.068 - WISDOT NC - USH 45, VILAS\CAD\16011472\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - (25)

PLOT DATE : 4/19/2017 7:22 PM PLOT BY : CHAD D. GRUNDEMANN PLOT NAME : PLOT SCALE : 1:100_XREF

WISDOT/CADDS SHEET 44

LEGEND

XXX XXX SAWING ASPHALT

BENCHMARK

CONTROL POINT

CITY OF EAGLE RIVER

SKELGAS INC

CITY OF EAGLE RIVER

NODA TSEVAS

CITY OF EAGLE RIVER

STATE OF WISCONSIN

DISTRICT NORTHLAND PINES SCHOOL

USH 45/STH 32/STH 17
N RAILROAD ST

PT: 84+52.03

PC: 85+53.05

PT: 93+29.05

R/W

82+00

84+00

86+00

88+00

90+00

92+00

94+00

96+00

CP 37

CP 38

CP 39

BM224

BM225

RECONSTRUCTING INLETS
STA 85+75, 25.45' RT

RECONSTRUCTING INLETS
STA 88+50, 25.31' RT

RECONSTRUCTING INLETS
STA 89+75, 25.25' RT

RECONSTRUCTING INLETS
STA 90+00, 25.24' RT

RECONSTRUCTING INLETS
STA 91+25, 25.20' RT

RECONSTRUCTING INLETS
STA 96+50, 25.06' RT

SEE PLAN DETAILS
FOR CURB RAMP DETAILS

STA 82+47, 70' RT
BUTT JOINT REQ'D
SAWING ASPHALT REQ'D

EAGLE RIVER LIGHT AND WATER
WATER

EAGLE RIVER LIGHT AND WATER
ELECTRIC

WISCONSIN PUBLIC SERVICE
GAS

SEE PLAN DETAILS
FOR CURB RAMP DETAILS

WISCONSIN PUBLIC SERVICE
GAS

TOWN OF
LINCOLN

EAGLE RIVER LIGHT AND WATER
ELECTRIC

SEE PLAN DETAILS
FOR CURB RAMP PLAN

EAGLE RIVER LIGHT AND WATER
WATER

STA 93+71, 70' RT
BUTT JOINT REQ'D
SAWING ASPHALT REQ'D

OZARK MOUNTAIN
PROPERTIES LLC

OZARK MOUNTAIN
PROPERTIES LLC

MEDLEY PROPERTIES LLC

FIVE D
PROMOTIONS INC

FIVE D
PROMOTIONS INC

FIVE D
PROMOTIONS INC

NORTH STAR MOTEL INC

BENCHMARK TABLE

POINT #	DESCRIPTION	STA.	OFF.	ELEVATION
224	BM HYD BOLT BY ARROW	84+95.50	53.008	1643.47
225	BM BURY BOLT	91+99.97	94.347	1646.61

PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	PLAN	SHEET 166	E

FILE NAME : P:\2014\2014.068 - WISDOT NC - USH 45, VILAS\CAD\16011472\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - (26)

PLOT DATE : 4/19/2017 7:22 PM PLOT BY : CHAD D. GRUNDEMANN PLOT NAME : PLOT SCALE : 1:100_XREF

WISDOT/CADDS SHEET 44

CITY OF EAGLE RIVER

VILAS COUNTY HWY DEPT

NODA TSEVAS

STATE OF WISCONSIN DNR

CTH G

SEE PLAN DETAIL FOR THERMOPLASTIC COATING AT SNOWMOBILE TRAIL CROSSING

STA 103+75, 121' LT
BUTT JOINT REQ'D
SAWING ASPHALT REQ'D

STA 104+11, 122' LT
BUTT JOINT REQ'D
SAWING ASPHALT REQ'D

WISCONSIN PUBLIC SERVICE ELECTRIC

EAGLE RIVER LIGHT AND WATER ELECTRIC

SEE PLAN DETAILS FOR CURB RAMP DETAILS

SEE PLAN DETAILS FOR CURB RAMP DETAILS

EAGLE RIVER LIGHT AND WATER WATER

R/W

R/W

WISCONSIN PUBLIC SERVICE GAS

RECONSTRUCTING INLETS STA 112+75, 43.41' LT

5

5

USH 45/STH 32/STH 17
N RAILROAD ST

98+00 100+00 102+00 104+00 106+00 108+00 110+00 112+00

EAGLE RIVER LIGHT AND WATER ELECTRIC

CP 41

R/W

EAGLE RIVER LIGHT AND WATER WATER

SEE PLAN DETAILS FOR CURB RAMP DETAILS

WISCONSIN PUBLIC SERVICE GAS

STA 103+91, 93' RT
BUTT JOINT REQ'D
SAWING ASPHALT REQ'D

PLEASURE ISLAND RD

BM226

CP 40

R/W

SEE PLAN DETAILS FOR CURB RAMP DETAILS

STA 104+30, 98' RT
BUTT JOINT REQ'D
SAWING ASPHALT REQ'D

RECONSTRUCTING INLETS STA 99+00, 24.98' RT

RECONSTRUCTING INLETS STA 112+85, 24.59' RT

TING INLETS
25.06' RT

CONCRETE SPECIALISTS & INC

JEFF IVASKA

PLEASURE ISLAND RD

FIVE D PROMOTIONS INC

ROBERT PENCE

LEGEND

XXX XXX SAWING ASPHALT

BENCHMARK

CONTROL POINT

BENCHMARK TABLE				
POINT #	DESCRIPTION	STA.	OFF.	ELEVATION
226	BM BURY BOLT	104+84.53	60.714	1656.17

PROJECT NO:1601-14-72	HWY: USH 45	COUNTY: VILAS	PLAN	SHEET 167	E

FILE NAME : P:\2014\2014.068 - WISDOT NC - USH 45, VILAS\CAD\16011472\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - (27)

PLOT DATE : 4/19/2017 7:23 PM PLOT BY : CHAD D. GRUNDEMANN PLOT NAME : PLOT SCALE : 1:100_XREF

VILAS COUNTY
HWY DEPT

MILESTONE SENIOR
LIVING LLC

HI-PINES CAMPGROUND LLC

JASON C JENSEN

JULIUS N
KUKANICH

JULIANA M
DENSOW LE

JEFF IVASKA

ROBERT PENCE

RICHARD C HUGHES

LAUREL A
DREGER

MICHAEL D
CAMPBELL JR

GAS DEPT INC

USH 45/STH 32/STH 17
N RAILROAD ST

R/W

PC: 120+47.84

PT: 127+70.89

114+00 116+00 118+00 120+00 122+00 124+00 126+00 128+00

BM227

CP 42

RECONSTRUCTING INLETS
STA 123+75, 33.36' RT

SEE PLAN DETAILS
FOR CURB RAMP DETAILS

FRONTIER COMMUNICATIONS
COMMUNICATION

STA 124+06, 58' RT
BUTT JOINT REQ'D
SAWING ASPHALT REQ'D

EAGLE RIVER LIGHT AND WATER
ELECTRIC

WISCONSIN PUBLIC SERVICE
GAS

MCKINLEY BLVD

LEGEND

XXX XXX	SAWING ASPHALT
	BENCHMARK
	CONTROL POINT

BENCHMARK TABLE

POINT #	DESCRIPTION	STA.	OFF.	ELEVATION
227	BM BURY BOLT	126+48.17	58.137	1662.04

PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	PLAN	SHEET 168 E

FILE NAME : P:\2014\2014.068 - WISDOT NC - USH 45, VILAS\CAD\16011472\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - (28)

PLOT DATE : 4/19/2017 7:23 PM PLOT BY : CHAD D. GRUNDEMANN PLOT NAME : PLOT SCALE : 1:100_XREF

JULIUS N KUKANICH

JULIUS N KUKANICH

DONALD L JESKE

KAREN E CHAMBERLIN

JOSEPH C DUFFEK III

ERIC J JOVANOVIC

REPPERT PROPERTIES LLC

KEVIN D KORB

JULIANA M DENSOW LE

LEGEND

XXX XXX SAWING ASPHALT

BENCHMARK

CONTROL POINT

WISCONSIN PUBLIC SERVICE ELECTRIC

RECONSTRUCTING INLETS STA 140+04, 43.70' LT

WISCONSIN PUBLIC SERVICE GAS

ERIC J JOVANOVIC

R/W

PT: 127+70.89

PC: 142+59.04

5

5

CP 43

SIGN

INL

USH 45/STH 32/STH 17
N RAILROAD ST

128+00 130+00 132+00 134+00 136+00 138+00 140+00 142+00

CP 44

CP 45

BM231

BM230

R/W

SIGN

RICHARD C HUGHES

WISCONSIN PUBLIC SERVICE GAS

RECONSTRUCTING INLETS STA 139+74, 24.30' RT

SCOTT D FRICKSON

H D HIAWATHA LLC

LAUREL A DREGER

TED HUGHES

COPPER WOODLANDS CONDOS

LINDA A CROUSE

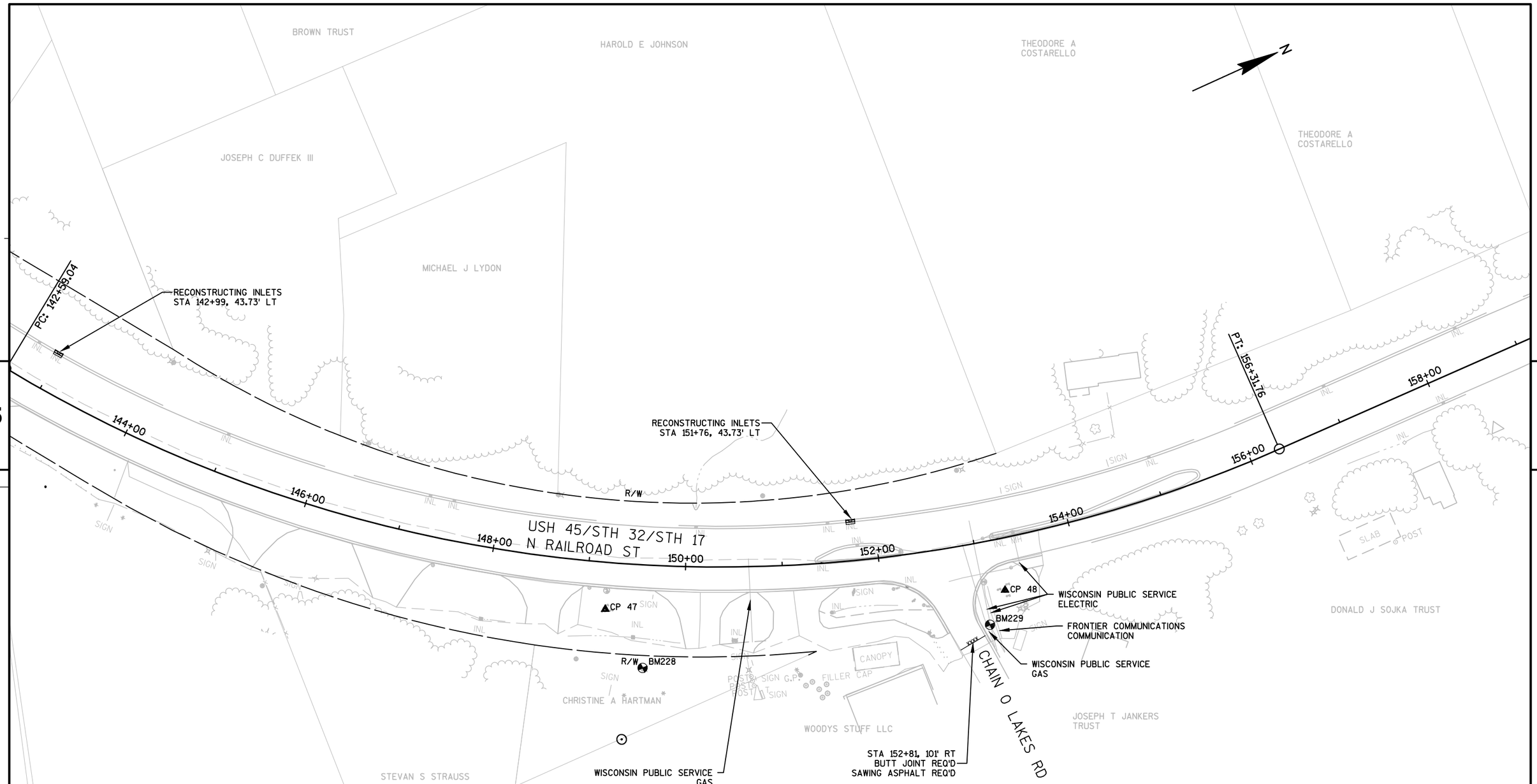
BENCHMARK TABLE				
POINT #	DESCRIPTION	STA.	OFF.	ELEVATION
230	BM PPOL 4010 16R16	141+10.94	53.893	1630.85
231	BM PPOL 4010 16R6	132+74.94	73.732	1647.88

PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	PLAN	SHEET 169	E

FILE NAME : P:\2014\2014.068 - WISDOT NC - USH 45, VILAS\CAD\16011472\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - (29)

PLOT DATE : 4/19/2017 7:24 PM PLOT BY : CHAD D. GRUNDEMANN PLOT NAME : PLOT SCALE : 1:100_XREF

WISDOT/CADDS SHEET 44



BENCHMARK TABLE				
POINT #	DESCRIPTION	STA.	OFF.	ELEVATION
228	BM PPOL 4010 15L47	149+61.18	106.650	1640.38
229	BM PPOL 4010 15L20	153+00.94	85.775	1641.97

LEGEND

- XXX XXX — SAWING ASPHALT
- BENCHMARK
- CONTROL POINT

PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	PLAN	SHEET 170	E

THEODORE A COSTARELLO

THERESA SIMAC

N

RAYMOND J OZOLS

TY P WARNER

TY P WARNER

TY P WARNER

5

5

INL

USH 45/STH 32/STH 17
N RAILROAD ST

160+00 162+00 164+00 166+00 168+00 170+00 172+00 174+00

BIRCHWOOD DR

RECONSTRUCTING INLETS
STA 159+26, 24.48' RT

SIGN

END PROJECT
STA 174+02
Y = 120,852.04
X = 504,284.00
SAWCUT REQ'D

RYAN J KAUZLARIC

MARION V SADAUSKAS

LEGEND

XXX XXX	SAWING ASPHALT
	BENCHMARK
	CONTROL POINT

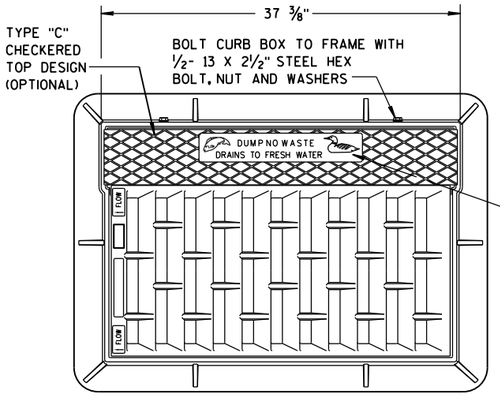
PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	PLAN	SHEET 171	E

FILE NAME : P:\2014\2014.068 - WISDOT NC - USH 45, VILAS\CAD\16011472\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - (31)

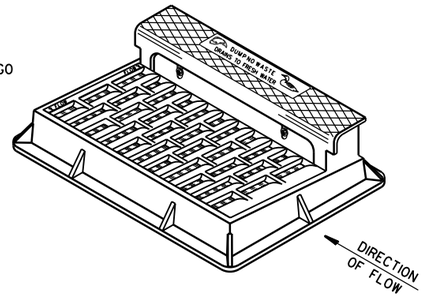
PLOT DATE : 4/19/2017 7:25 PM PLOT BY : CHAD D. GRUNDEMANN PLOT NAME : PLOT SCALE : 1:100_XREF

Standard Detail Drawing List

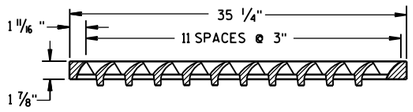
08A05-19A	INLET COVERS TYPE A, H, A-S, H-S & Z
08C07-02	INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT
08D01-19	CONCRETE CURB, CONCRETE CURB AND GUTTER AND TIES
08D05-18A	CURB RAMPS TYPES 1 AND 1-A
08D05-18B	CURB RAMPS TYPES 2 AND 3
08D05-18C	CURB RAMPS TYPES 4A AND 4A1
08D05-18D	CURB RAMPS TYPE 4B AND 4B1
08D05-18E	CURB RAMPS TYPES 5, 6, 7A, 7B & 8
08D20-01	DRIVEWAYS WITH CURB & GUTTER RETURNS
08E10-02	INLET PROTECTION TYPE A, B, C AND D
09B02-10	CONDUIT
09B04-11	PULL BOX
09F15-04B	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
13B02-08A	CONCRETE PAVEMENT APPROACH SLAB
15C07-13B	PAVEMENT MARKING WORDS
15C07-13C	PAVEMENT MARKING ARROWS
15C08-17A	LONGITUDINAL MARKING (MAINLINE)
15C08-17B	PAVEMENT MARKING (TURN LANES)
15C08-17C	PAVEMENT MARKING (ISLANDS)
15C12-05	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15C18-03	MEDIAN ISLAND MARKING
15C19-04A	MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY
15C19-04C	MOVING PAVEMENT MARKING OPERATION MULTI-LANE DIVIDED ROADWAY
15C33-02	STOP LINE AND CROSSWALK PAVEMENT MARKING
15D20-04	TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY
15D21-04	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D28-03	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY
15D30-03B	TRAFFIC CONTROL, TEMPORARY ADA COMPLIANT PEDESTRIAN ACCOMMODATION
15D30-03C	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

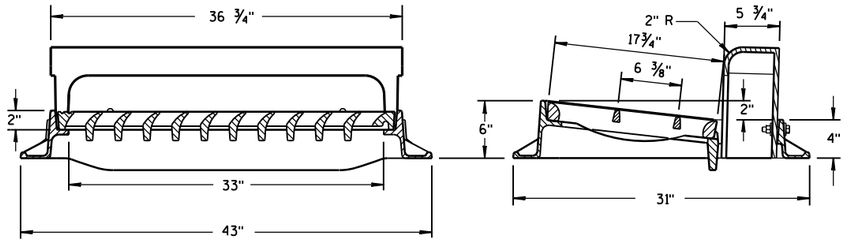


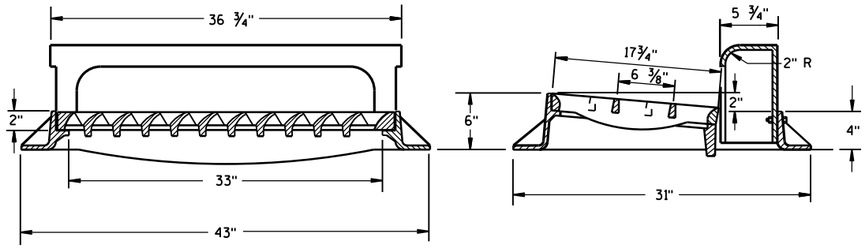
NOTE:
GRATE IS REVERSIBLE.



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

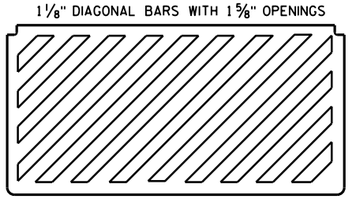






TYPE "H"

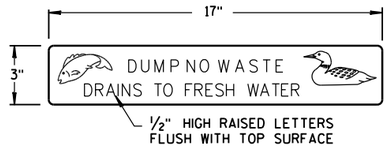
NOTE: EITHER CASTING IS ACCEPTABLE



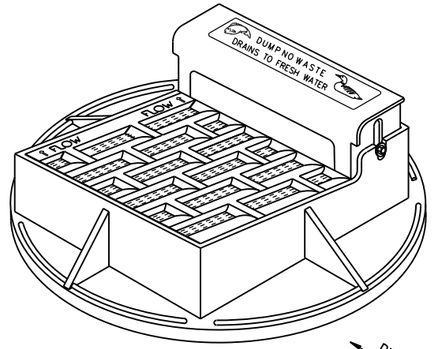
SPECIAL GRATE FOR TYPE "H" COVER

(MEASURES 35 1/4" X 17 3/4" X 2")

(NOTED AS TYPE H-S ON DRAINAGE TABLE)

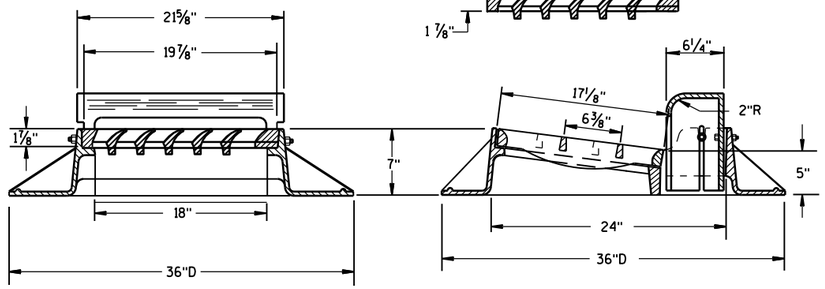


LOGO DETAIL



NOTE: CURB BOX ADJUSTABLE 4" TO 9"

NOTE:
GRATE IS REVERSIBLE.



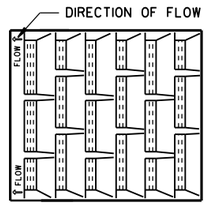
TYPE "A"

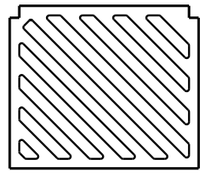
GENERAL NOTES

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

DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

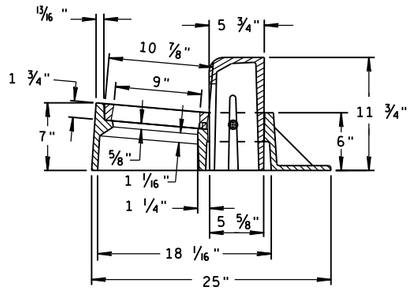


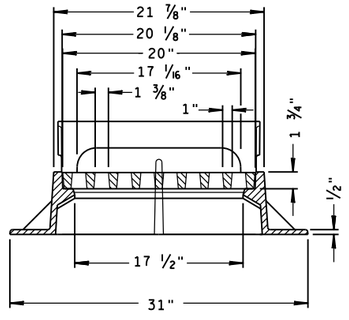


SPECIAL GRATE FOR TYPE "A" COVER

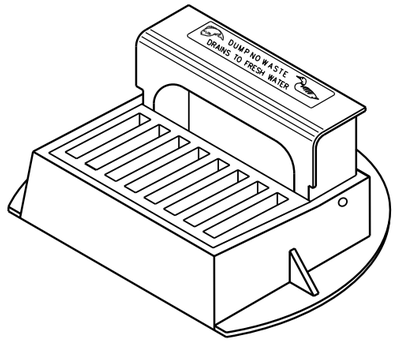
(MEASURES 19 3/4" X 17" X 1 7/8")

(NOTED AS TYPE A-S ON DRAINAGE TABLE)





TYPE "Z"



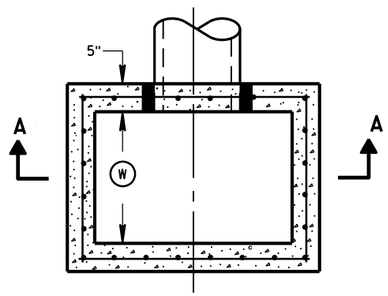
INLET COVERS TYPE A, H, A-S, H-S & Z

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

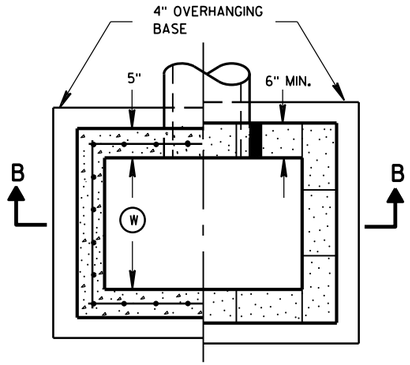
APPROVED
11-27-13 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
FHWA

6

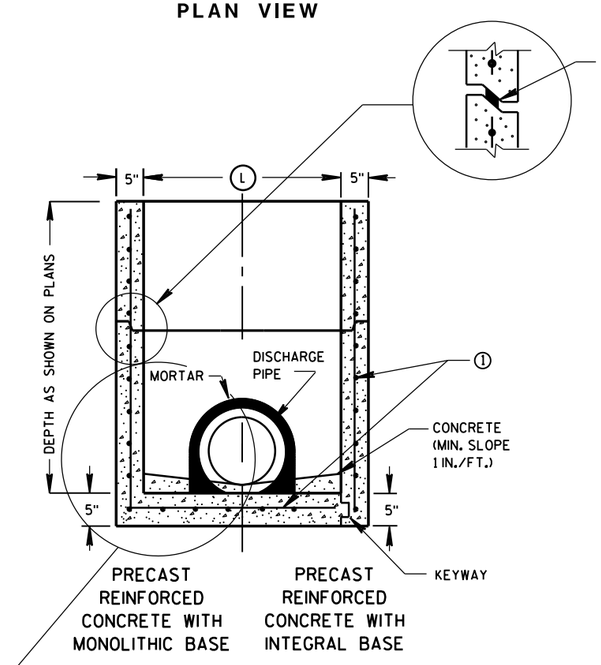
S.D.D. 8 A 5-19a



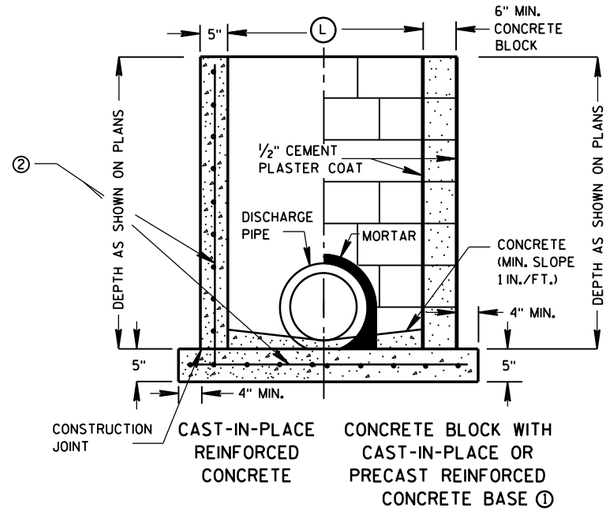
PLAN VIEW



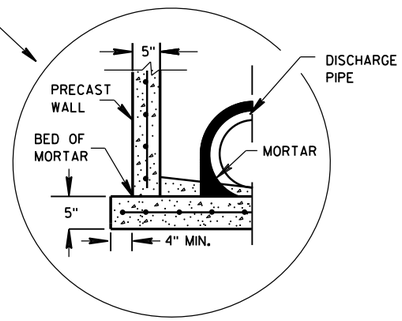
PLAN VIEW



SECTION A-A



SECTION B-B



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

GENERAL NOTES

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

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATES THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

4" OVERHANGING BASES ARE REQUIRED FOR CAST-IN-PLACE REINFORCED CONCRETE AND CONCRETE BLOCK INSTALLATIONS.
4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED.
OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3 INCH CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

① FOR PRECAST INLETS PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

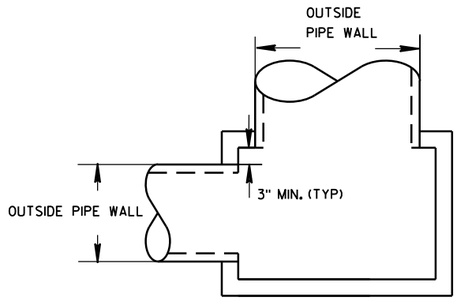
② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

INLET COVER MATRIX

INLET SIZE		INLET COVER TYPE	ALL A'S	ALL B'S	BW	F	ALL H'S	S	T	V	WM
	WIDTH (W) (FT)	LENGTH (L) (FT)									
2X2-FT	2	2	X	X				X		X	
2X2.5-FT	2	2.5			X			X	X	X	X
2X3-FT	2	3					X				
2.5X3-FT	2.5	3				X					

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER	
	WIDTH (IN)	LENGTH (IN)
2X2-FT	12	12
2X2.5-FT	12	18
2X3-FT	12	24
2.5X3-FT	18	24



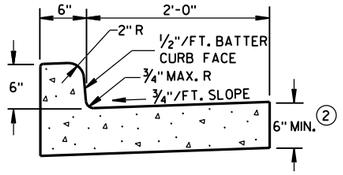
DETAIL "A"

INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT

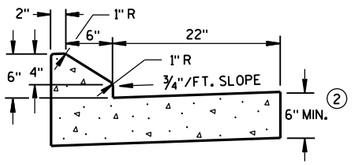
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept., 2016
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS D IT
UNIT SUPERVIS
FHWA

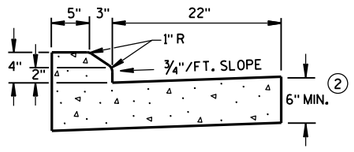
INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT



TYPES A & D ①

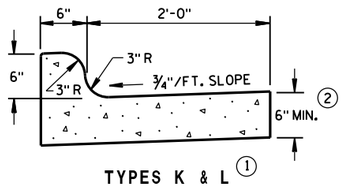


6" SLOPED CURB TYPES G & J ①

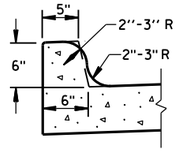


4" SLOPED CURB TYPES G & J ①

CONCRETE CURB & GUTTER 30"

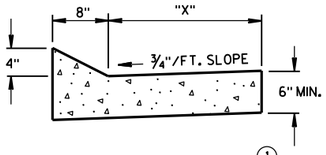


TYPES K & L ①



OPTIONAL CURB SHAPE FOR TYPES K & L ①

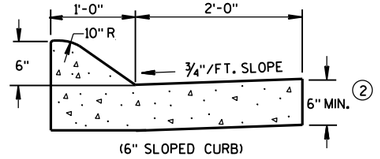
CONCRETE CURB & GUTTER 30"



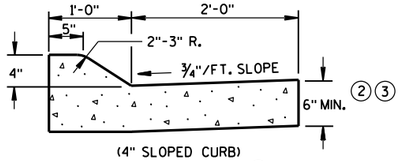
TYPES TBT & TBTT ①

CONCRETE CURB & GUTTER

TBT & TBTT	"X"
30"	22"
36"	28"

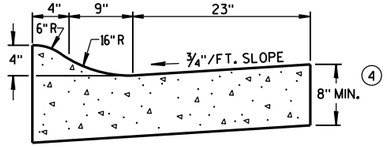


(6" SLOPED CURB)



(4" SLOPED CURB)

TYPES A & D ①



4" SLOPED CURB TYPES R & T ①⑤

CONCRETE CURB & GUTTER 36"

GENERAL NOTES

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

PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

INTEGRAL CURB & GUTTER SHALL CONFORM TO THE DETAILS SHOWN FOR CONCRETE CURB & GUTTER INCLUDING THE TRANSVERSE GUTTER SLOPE. A LONGITUDINAL CONSTRUCTION JOINT IS NOT REQUIRED WITH INTEGRAL CURB AND GUTTER.

WHERE THE TRANSVERSE JOINTS IN THE PAVEMENT ARE REQUIRED TO BE SEALED, THE JOINTS IN THE INTEGRAL CURB AND GUTTER SHALL BE SEALED TO THE FACE OF CURB WITH THE SAME TYPE OF SEALANT. THE COST OF FURNISHING AND INSTALLING THIS SEALANT SHALL BE INCIDENTAL TO THE ITEM CONCRETE CURB AND GUTTER.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2'-0" BEHIND THE BACK OF CURBS.

① TIE BARS ARE REQUIRED FOR CURB AND GUTTER TYPES A, G, K, R AND TBTT.

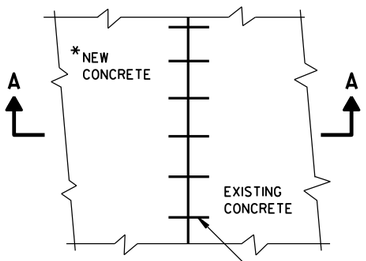
② THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

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.

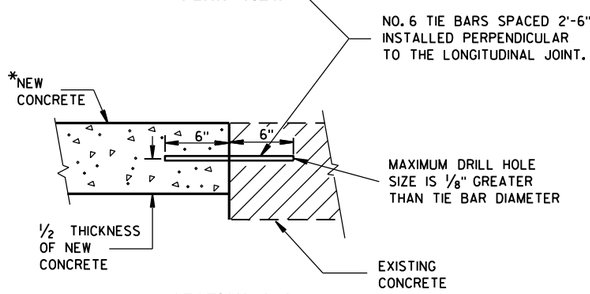
⑤ THE FACE OF CURB IS 6" FROM THE BACK OF CURB.

⑥ WHEN REVERSE SLOPE GUTTER IS REQUIRED, THE LOCATION(S) WILL BE SHOWN ELSEWHERE IN THE PLAN.



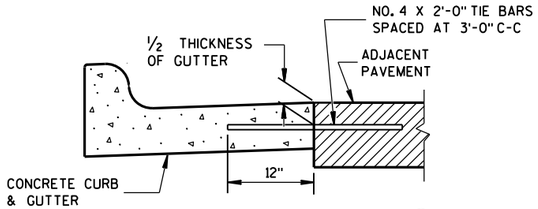
PLAN VIEW

*NEW CURB & GUTTER, SURFACE DRAINS, CONCRETE PAVEMENT OR OTHER NEW CONCRETE.

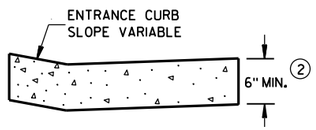


SECTION A-A

TIE BARS DRILLED INTO EXISTING PAVEMENT

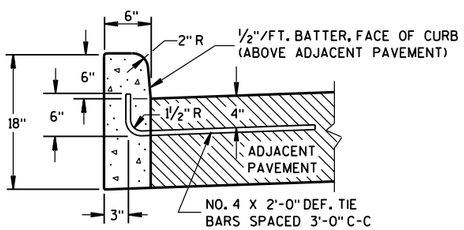


TYPICAL TIE BAR LOCATION ①

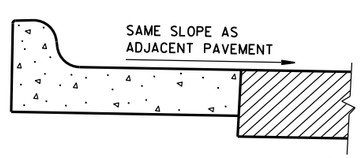


DRIVEWAY ENTRANCE CURB

(WHEN DIRECTED BY THE ENGINEER)

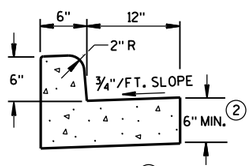


① TYPES A & D



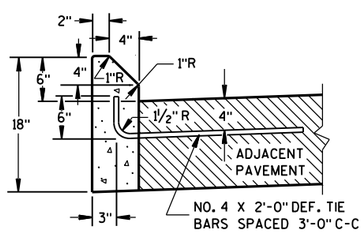
⑥ REVERSE SLOPE GUTTER

(TYPICAL FOR ALL CURB & GUTTER TYPES)



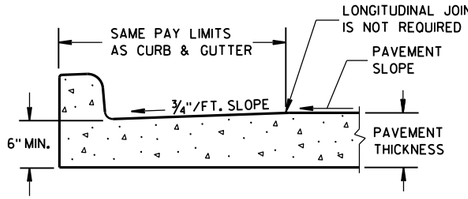
① TYPES A & D

CONCRETE CURB & GUTTER 18"

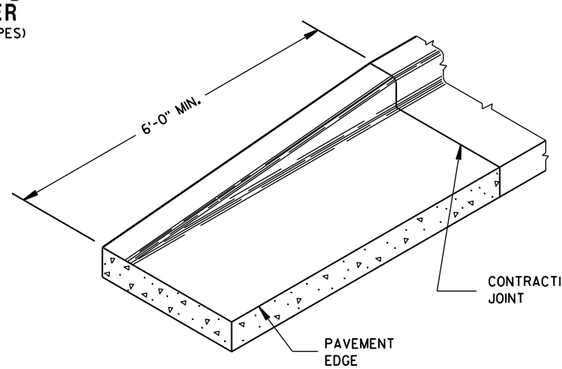


① TYPES G & J

CONCRETE CURB



PARTIAL SECTION OF PAVEMENT WITH INTEGRAL CURB & GUTTER



END SECTION CURB & GUTTER

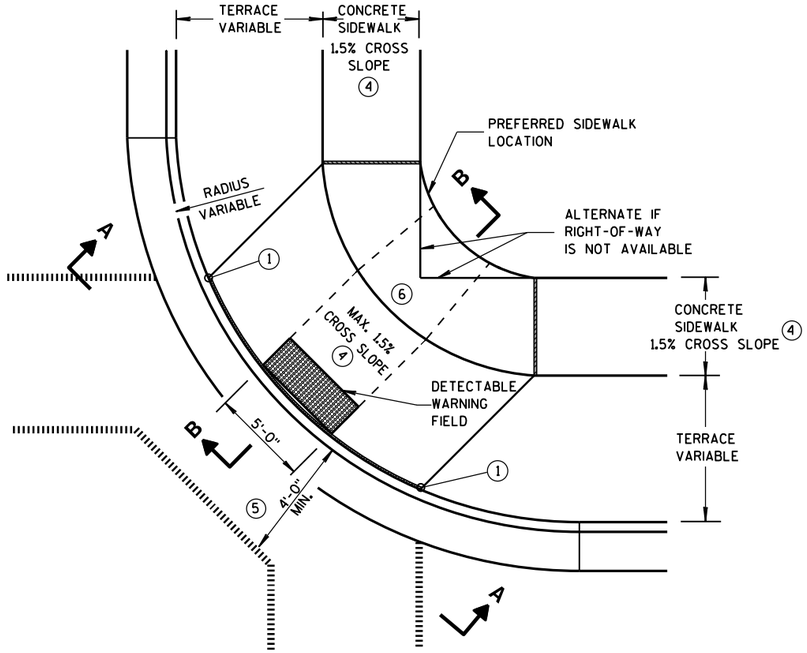
CONCRETE CURB, CONCRETE CURB & GUTTER AND TIES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2016 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

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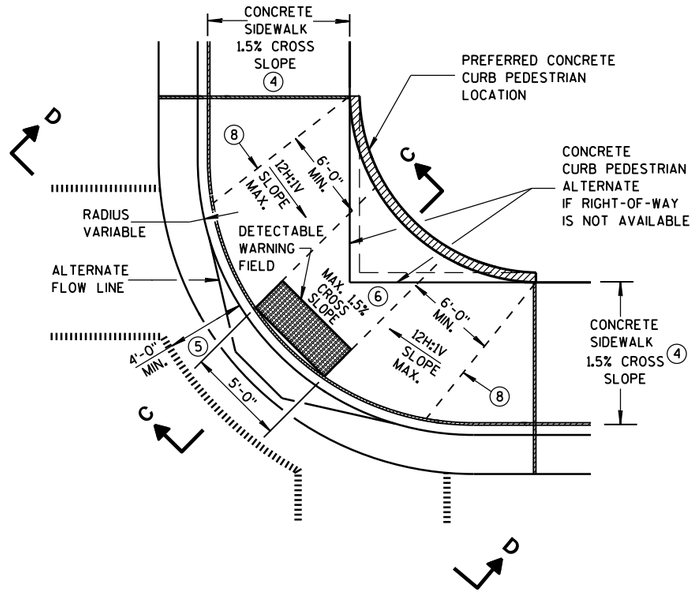
S.D.D. 8 D 1-19



PLAN VIEW

TYPE 1 RAMP

(CENTER OF CORNER RADIUS)



PLAN VIEW

TYPE 1-A RAMP

(NO TERRACE)

GENERAL NOTES

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

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 NOT EXCEED 7%.

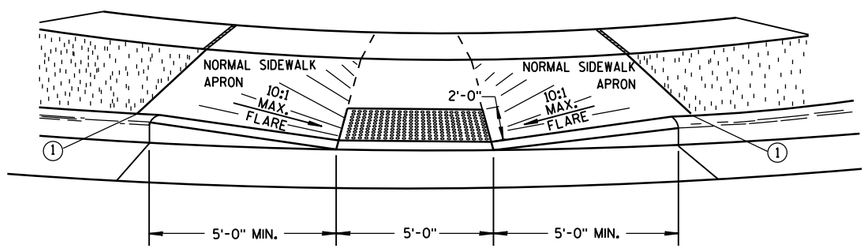
(3) ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(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.

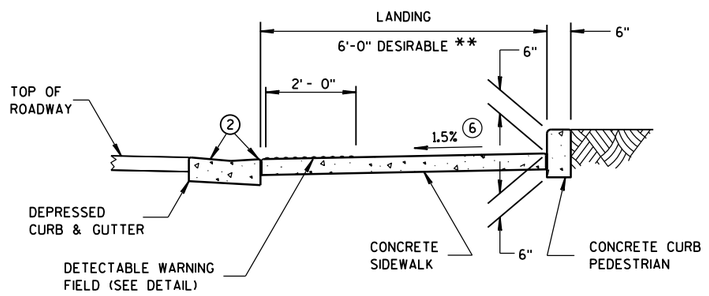
(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.



VIEW A-A

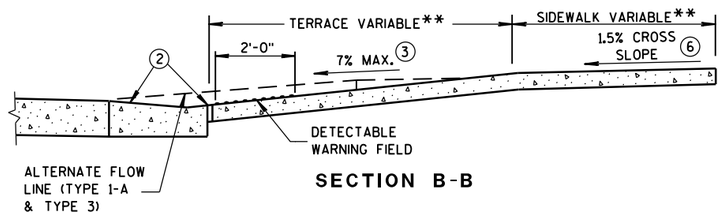
** WIDTH SHOWN ELSEWHERE IN THE PLANS



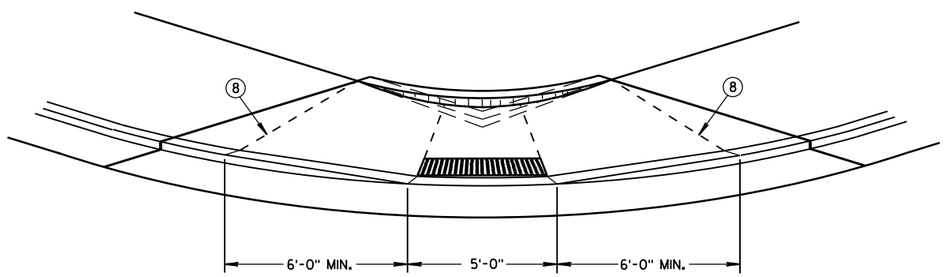
SECTION C-C

LEGEND

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



SECTION B-B



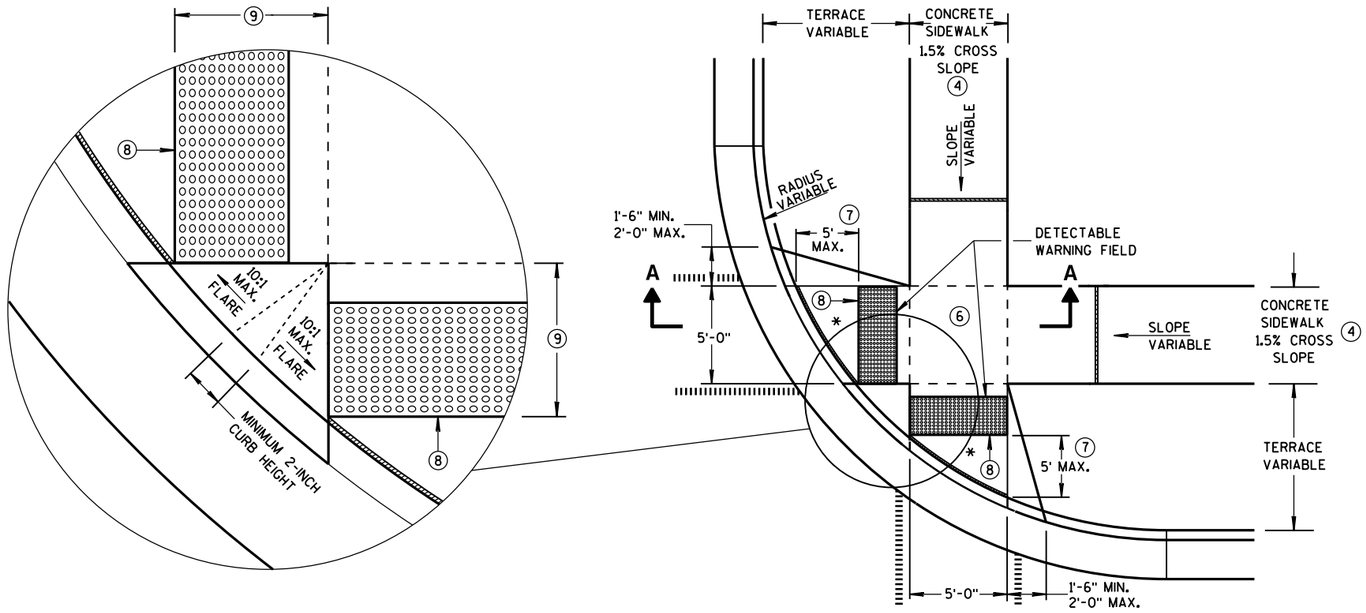
VIEW D-D

CURB RAMPS
TYPES 1 AND 1-A

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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S.D.D. 8 D 5-18a

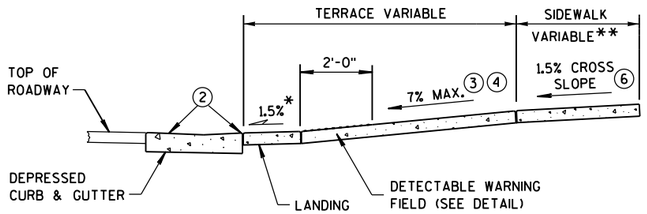


PLAN VIEW

TYPE 2 RAMP

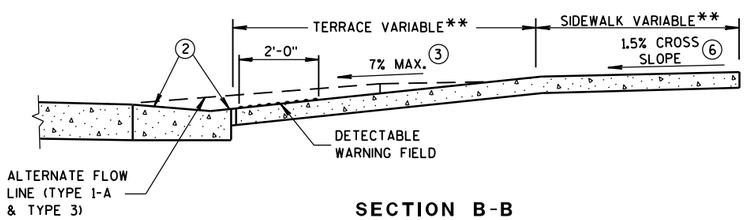
(ON LINE WITH SIDEWALK)

* 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

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 NOT EXCEED 7%.

(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.

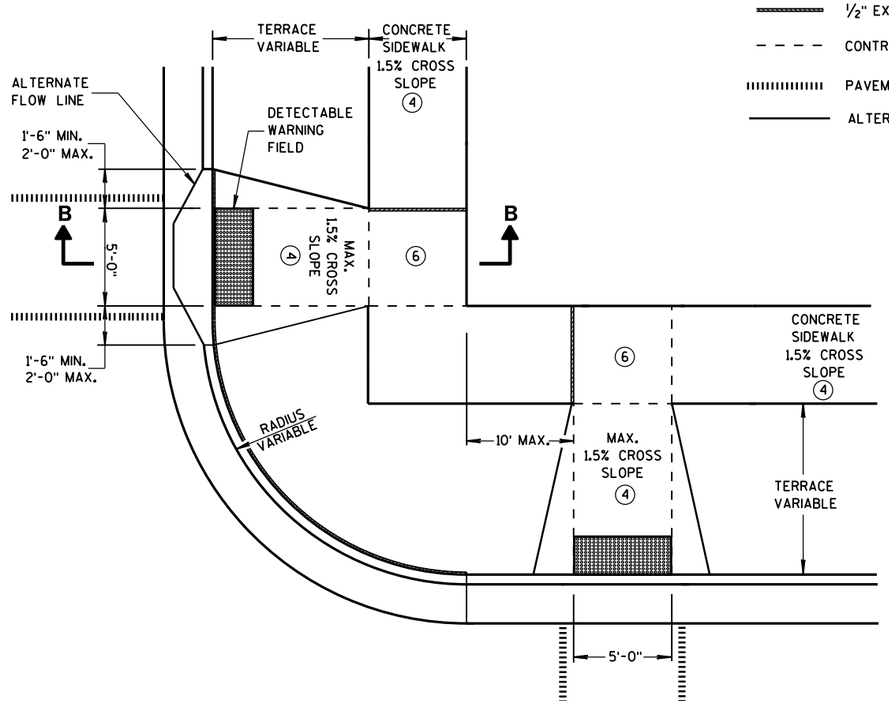
(7) WHEN THIS DISTANCE EXCEEDS 5 FEET, STAGGER ADDITIONAL DETECTABLE WARNING PANEL FORWARD TO REDUCE THIS DISTANCE. PROVIDE MINIMUM 12-INCH ROW OVERLAP TO AVOID SIDESTEP OF DOME DETECTION. USE EQUAL-SIZE PANELS TO DEVELOP OVERLAPPING, STAGGERED ROWS. ALIGN DOMES BETWEEN OVERLAPPING ROWS AND IN DIRECTION OF PEDESTRIAN TRAVEL.

(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

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



PLAN VIEW

TYPE 3 RAMP

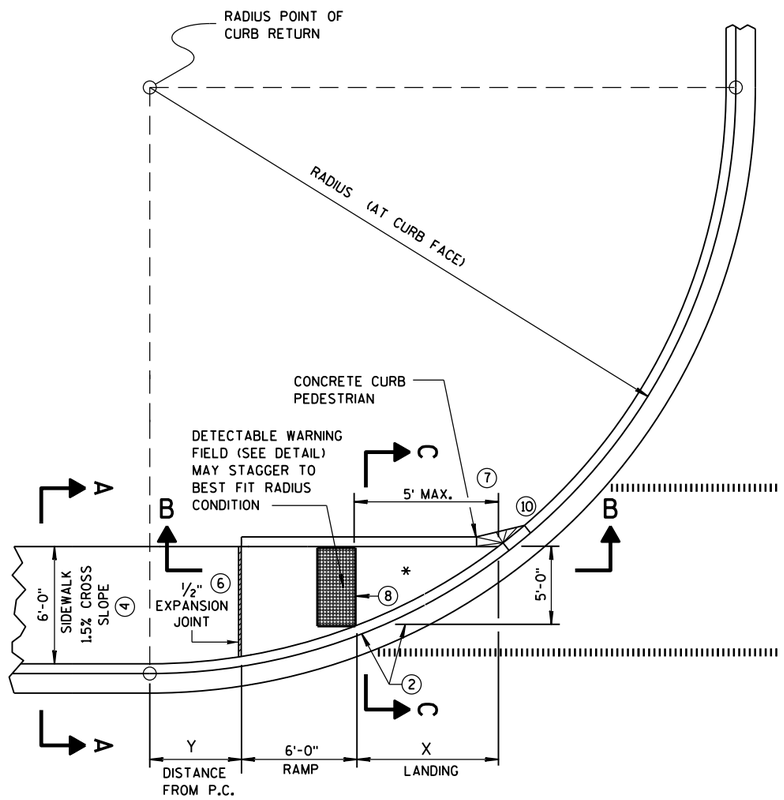
(OUTSIDE OF CROSSWALK AREA)

CURB RAMPS TYPES 2 AND 3

STATE OF WISCONSIN
DEPARTMENT OF TRANSPO

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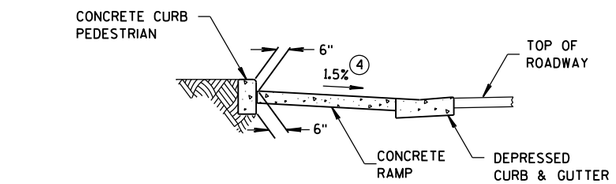
S.D.D. 8 D 5-18b



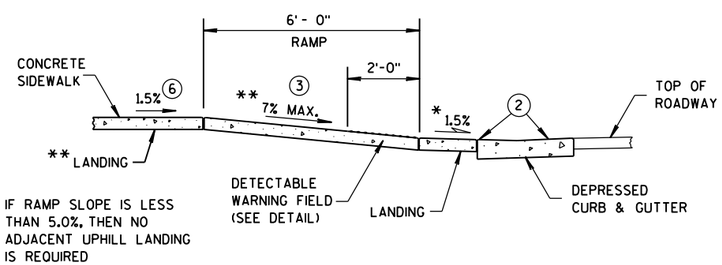
CURB RAMP TYPE 4A
PLAN VIEW

RADIUS (AT CURB FACE)	X	Y
20 FEET	7'-11"	0'-2"
30 FEET	10'-2¾"	1'-7½"
40 FEET	12'-1¼"	2'-10"
50 FEET	13'-8¾"	3'-10¾"
60 FEET	15'-2"	4'-10¼"

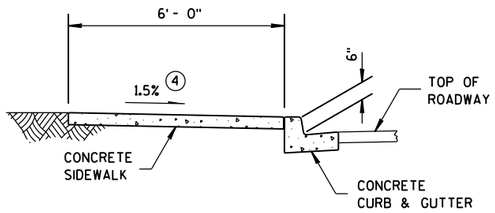
INTERMEDIATE RADII CAN BE INTERPOLATED



SECTION C-C FOR TYPE 4A

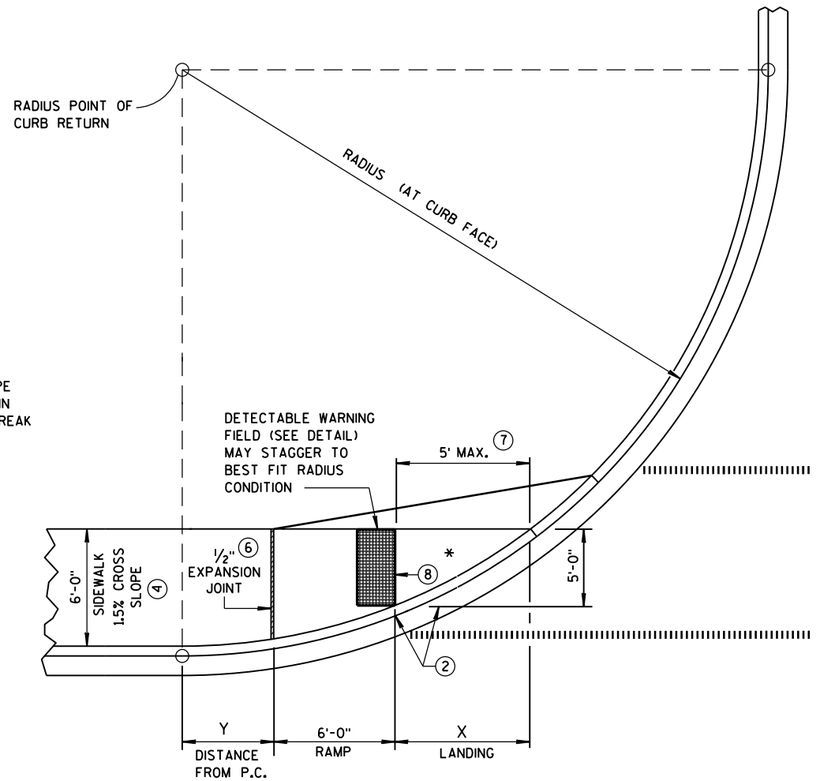


SECTION B-B FOR TYPE 4A



SECTION A-A FOR TYPE 4A

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK



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 1/4-INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL NOT EXCEED 7%.

(3) ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

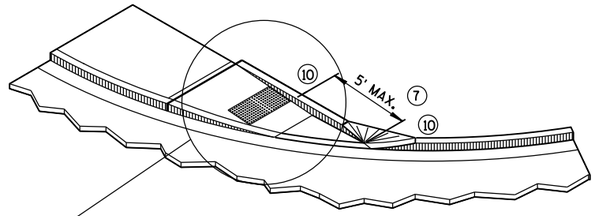
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET.

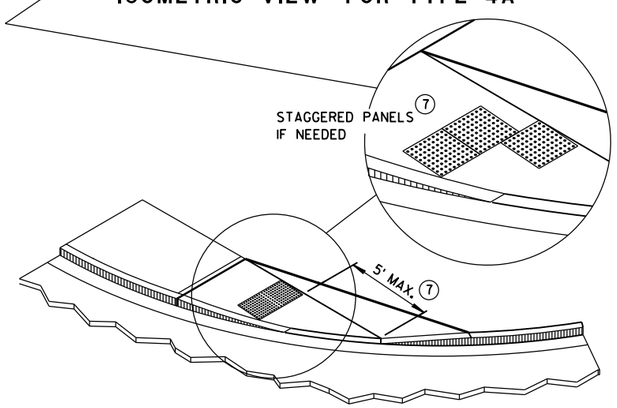
(7) WHEN THIS DISTANCE EXCEEDS 5 FEET, STAGGER ADDITIONAL DETECTABLE WARNING PANEL FORWARD TO REDUCE THIS DISTANCE. PROVIDE MINIMUM 12-INCH ROW OVERLAP TO AVOID SIDESTEP OF DOME DETECTION. USE EQUAL-SIZE PANELS TO DEVELOP OVERLAPPING, STAGGERED ROWS. ALIGN DOMES BETWEEN OVERLAPPING ROWS AND IN DIRECTION OF PEDESTRIAN TRAVEL.

(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

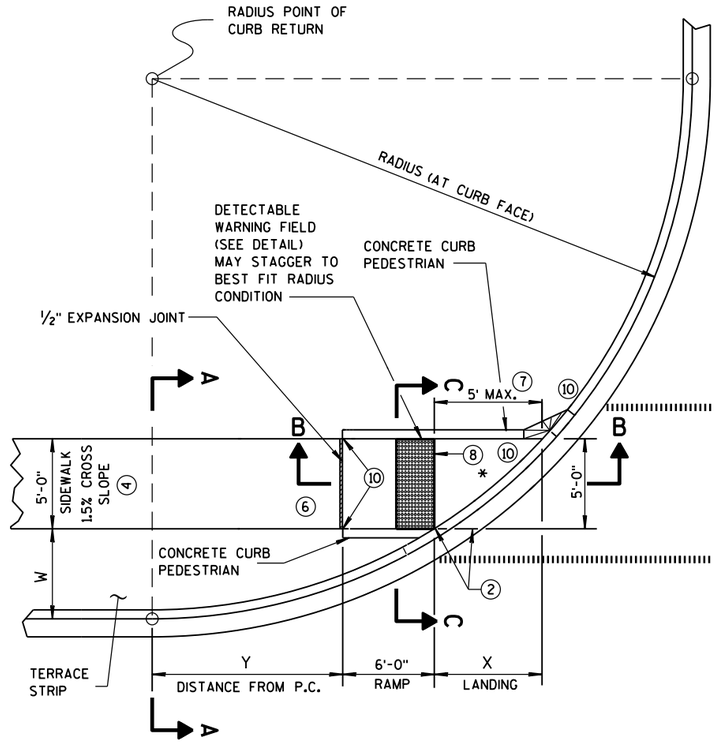
- ½" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS TYPES 4A AND 4A1

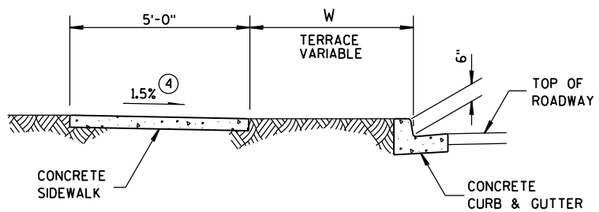
STATE OF WISCONSIN
DEPARTMENT OF TRANSPO

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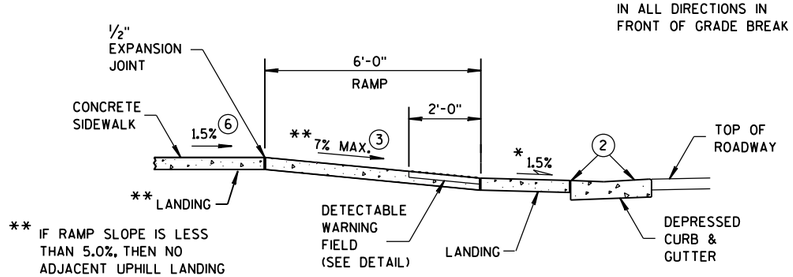
S.D.D. 8 D 5-18c



CURB RAMP TYPE 4B
PLAN VIEW



SECTION A-A FOR TYPE 4B



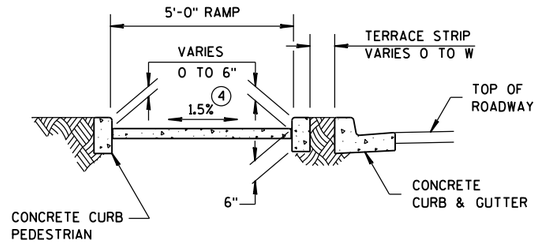
SECTION B-B FOR TYPE 4B

LEGEND

½" EXPANSION JOINT-SIDEWALK

CONTRACTION JOINT FIELD LOCATED

PAVEMENT MARKING CROSSWALK (WHITE)



SECTION C-C FOR TYPE 4B

RADIUS (AT CURB FACE)	W = 3'-0"		W = 4'-0"		W = 5'-0"		W = 6'-0"		W = 7'-0"	
	X	Y	X	Y	X	Y	X	Y	X	Y
20 FEET	5'-9¾"	3'-6½"	4'-11½"	5'-1¾"	4'-3¼"	6'-5½"	3'-8¾"	7'-6¾"	3'-3"	8'-6¼"
30 FEET	7'-9¼"	5'-10½"	6'-9½"	7'-11¼"	6'-0¼"	9'-8"	5'-5"	11'-1¾"	4'-10¾"	12'-5¾"
40 FEET	9'-4"	7'-10"	8'-2¾"	10'-3"	7'-4¾"	12'-3¾"	6'-8½"	14'-1¼"	6'-1¾"	15'-8½"
50 FEET	10'-8"	9'-6½"	9'-5½"	12'-3¼"	8'-6½"	14'-7½"	7'-9¾"	16'-8¼"	7'-2½"	18'-6¼"
60 FEET	11'-10¼"	11'-0¾"	10'-6½"	14'-1¼"	9'-6½"	16'-8½"	8'-9¼"	18'-11¾"	8'-1½"	21'-0½"

INTERMEDIATE RADII CAN BE INTERPOLATED

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 NOT EXCEED 7%.

(3) ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

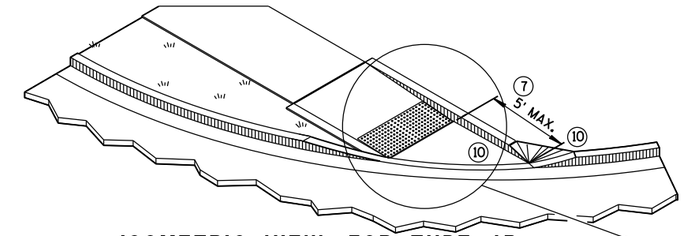
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET.

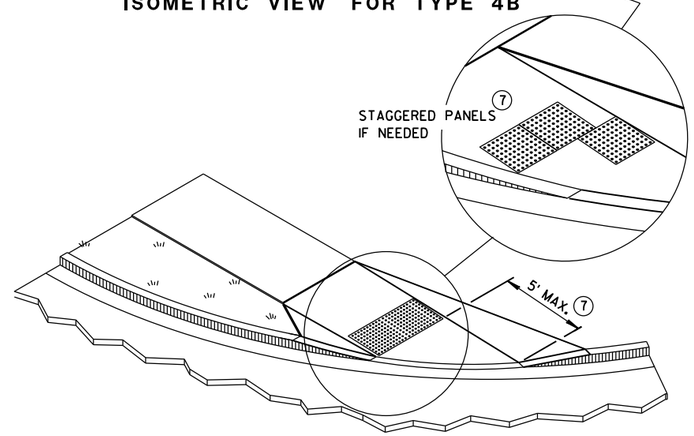
(7) WHEN THIS DISTANCE EXCEEDS 5 FEET, STAGGER ADDITIONAL DETECTABLE WARNING PANEL FORWARD TO REDUCE THIS DISTANCE. PROVIDE MINIMUM 12-INCH ROW OVERLAP TO AVOID SIDESTEP OF DOME DETECTION. USE EQUAL-SIZE PANELS TO DEVELOP OVERLAPPING, STAGGERED ROWS. ALIGN DOMES BETWEEN OVERLAPPING ROWS AND IN DIRECTION OF PEDESTRIAN TRAVEL.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

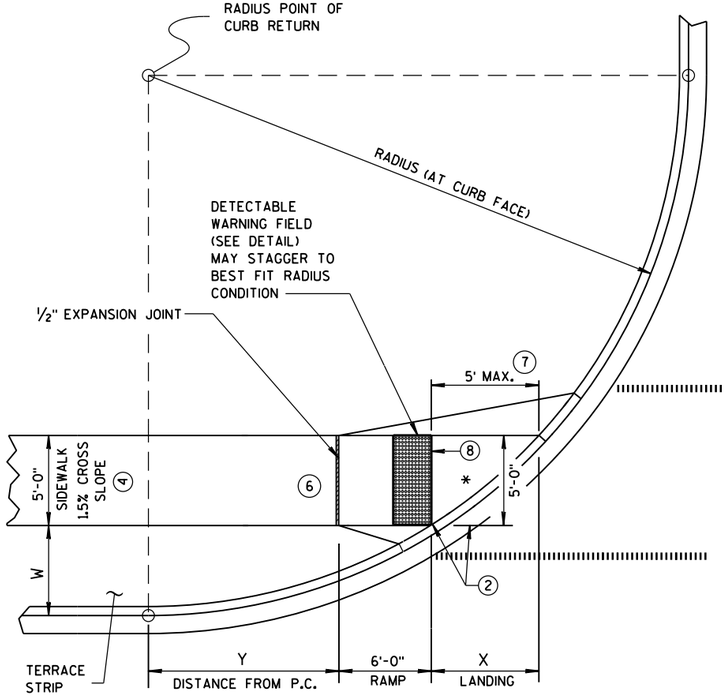
(10) INSTALL TRANSITION NOSE. (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.



ISOMETRIC VIEW FOR TYPE 4B



ISOMETRIC VIEW FOR TYPE 4B1



CURB RAMP TYPE 4B1
PLAN VIEW

CURB RAMPS
TYPE 4B AND 4B1

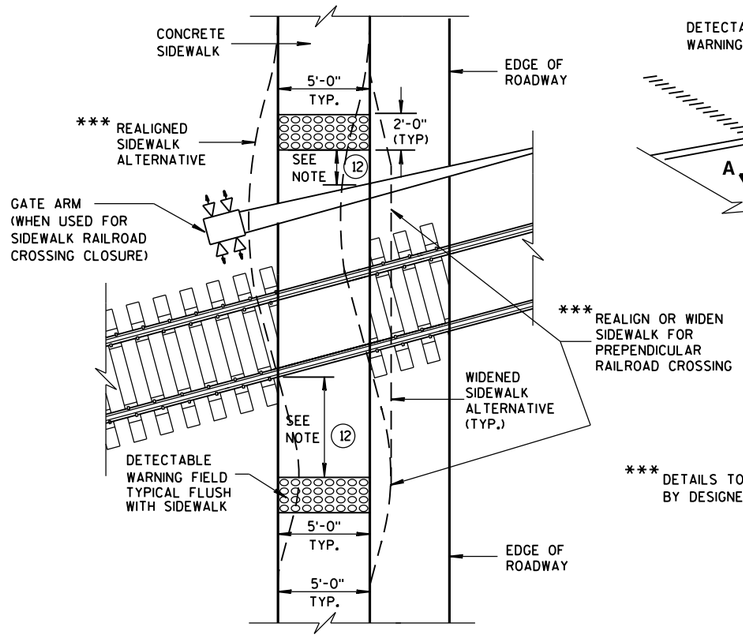
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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S.D.D. 8 D 5-18d

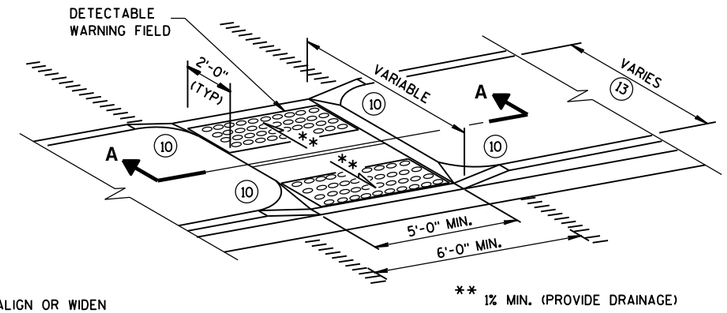
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S.D.D. 8 D 5-18d



TYPE 8
DETECTABLE WARNINGS AT RAILROAD CROSSING

*** DETAILS TO BE DETERMINED BY DESIGNER



** 1% MIN. (PROVIDE DRAINAGE)

MEDIAN ISLAND
NON-ELEVATED CROSSING
TYPE 5

GENERAL NOTES

SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(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 NOT EXCEED 7%.

(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.

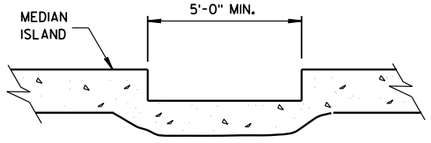
(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET.

(10) INSTALL TRANSITION NOSE. (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

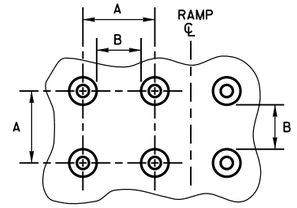
(11) SLOPE SIDEWALK TOWARD LANDING AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

(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 IF MEDIAN WIDTH BETWEEN BACK OF CURBS IS LESS THAN 6 FEET.



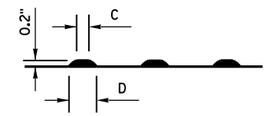
SECTION A-A



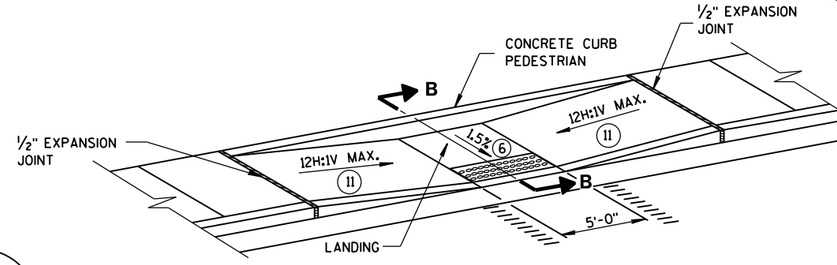
PLAN VIEW

	MIN.	MAX.
A	1.6"	2.4"
B	0.65"	1.5"
C	*	*
D	0.9"	1.4"

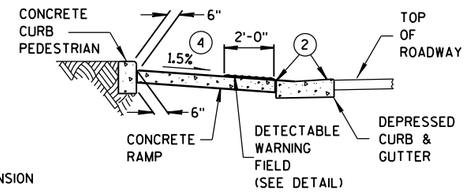
* THE C DIMENSION IS 50% TO 65% OF THE D DIMENSION.



ELEVATION VIEW

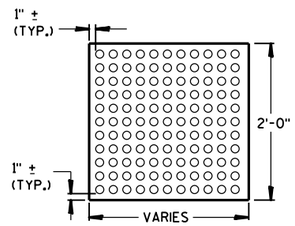


MID-BLOCK CROSSING
TYPE 7A



SECTION B-B

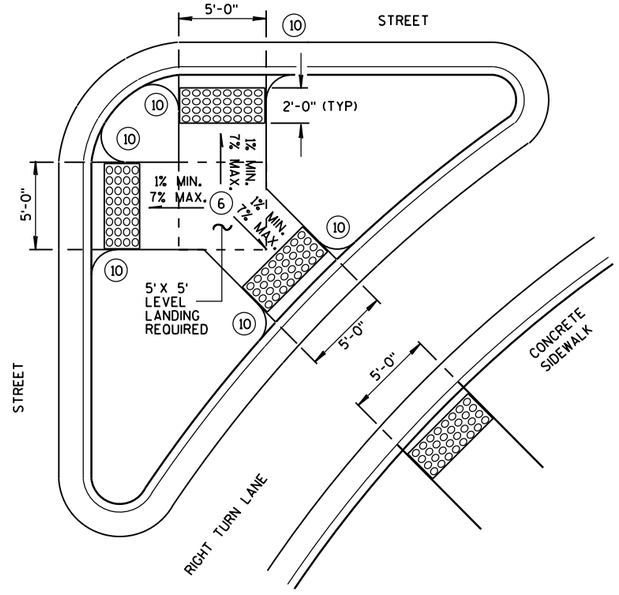
TRUNCATED DOMES
DETECTABLE WARNING PATTERN DETAIL



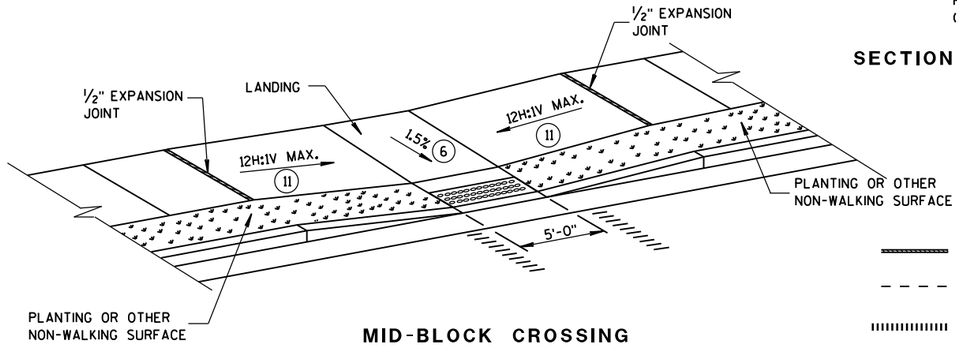
PLAN VIEW

DETECTABLE WARNING FIELD (TYPICAL)

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

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

CURB RAMPS
TYPES 5, 6, 7A, 7B & 8

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept., 2016
DATE
FHWA

/S/ Rodney Taylor
ROADWAY STANDARDS UNIT SUPERV

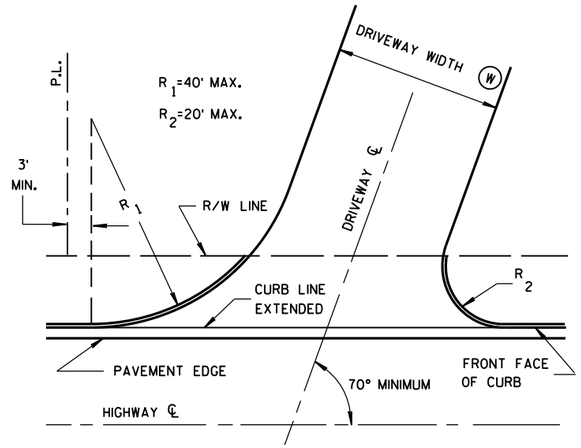
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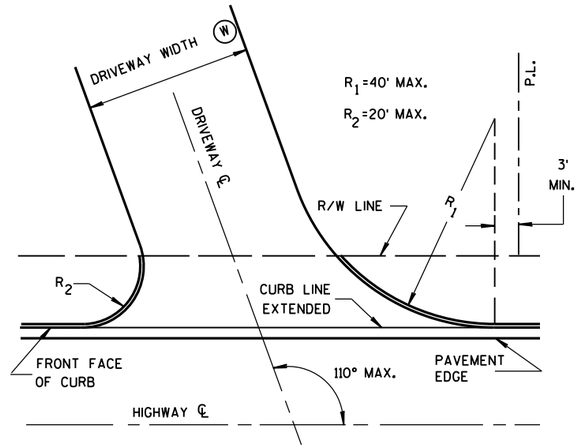
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S.D.D. 8 D 5-18e

6

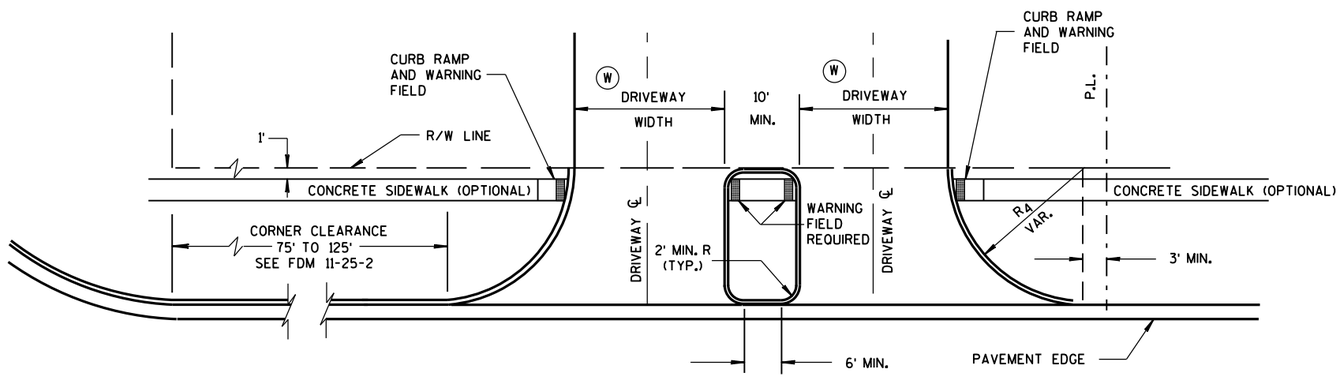
S.D.D. 8 D 5-18e





SKEWED DRIVEWAY DETAILS
(COMMERCIAL AND NON-COMMERCIAL)

SIDEWALK NOT SHOWN



DRIVEWAY LOCATION AND SPACING DETAILS

SIDEWALK SHOWN

NOTES

A MAXIMUM RADIUS OF 10 FEET SHALL BE USED FOR NON-COMMERCIAL PRIVATE ENTRANCES. RADII FOR COMMERCIAL DRIVEWAYS SHALL BE DETERMINED BY THE ENGINEER BASED ON TRAFFIC AND DRIVEWAY PERMIT RESTRICTIONS.

THE MINIMUM ANGLE OF INTERSECTION BETWEEN THE DRIVEWAY AND HIGHWAY CENTERLINES SHALL BE 70°.

ALL CURVILINEAR PRIVATE ENTRANCE OUTLINES SHALL BE CONTAINED WITHIN THE HIGHWAY R/W.

NO DRIVEWAY SHALL BE BUILT WITHIN 3 FEET OF THE PROPERTY LINE EXCEPT FOR EXISTING JOINT DRIVEWAY SHARED BY TWO OWNERS.

Ⓦ DRIVEWAY WIDTHS:

COMMERCIAL - 35' MAX., 16' MIN.

RESIDENTIAL AND NON-COMMERCIAL - 24' MAX., 12' MIN.

DRIVEWAYS WITH CURB & GUTTER RETURNS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
December, 2016 /S/ Rodney Taylor
DATE ROADWAY STANDARDS UNIT SUPERV
FHWA

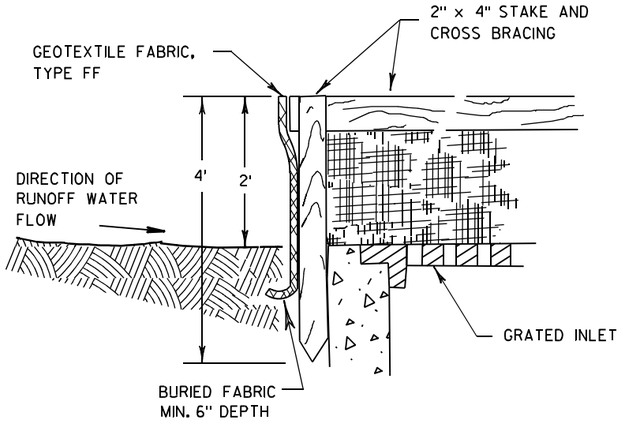
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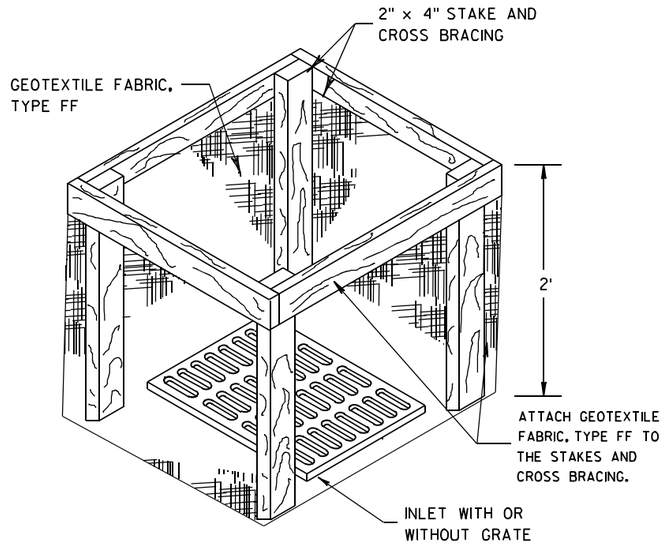
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S.D.D. 8 D 20-1

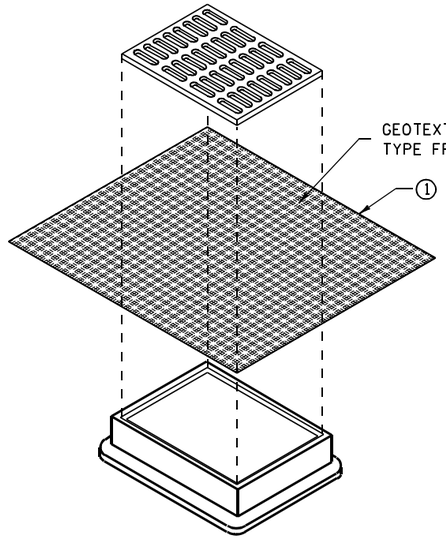
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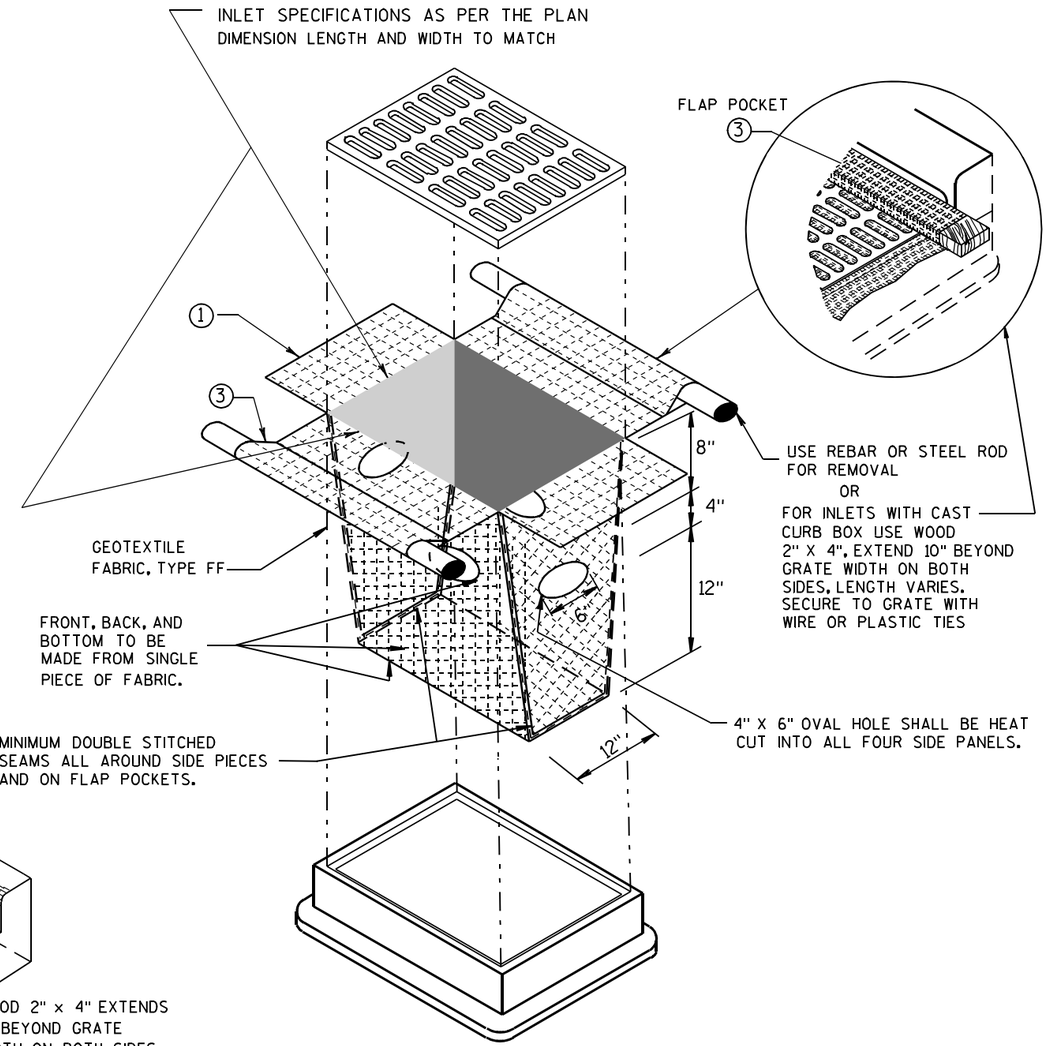


INLET PROTECTION, TYPE A



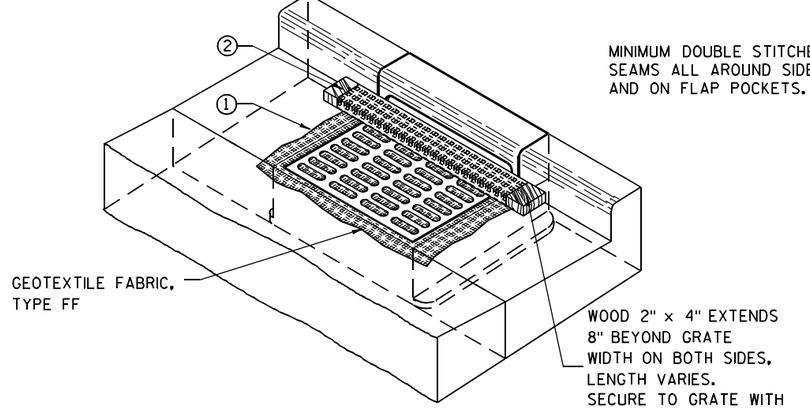
INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)



INLET PROTECTION, TYPE D

(CAN BE INSTALLED IN ANY INLET TYPE WITH
OR WITHOUT A CURB BOX AS PER NOTE ②)



INLET PROTECTION, TYPE C (WITH CURB BOX)

GENERAL NOTES

INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.

MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.

WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

① FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.

② FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.

③ FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.

INSTALLATION NOTES

TYPE B & C

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

TYPE D

DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

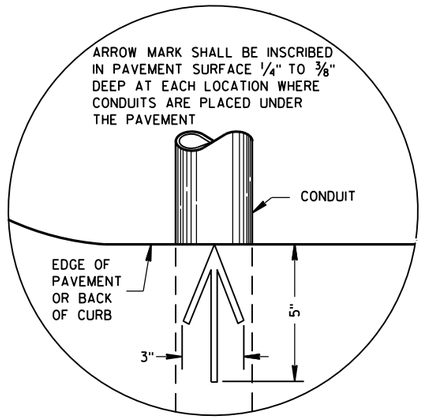
THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

INLET PROTECTION
TYPE A, B, C, AND D

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

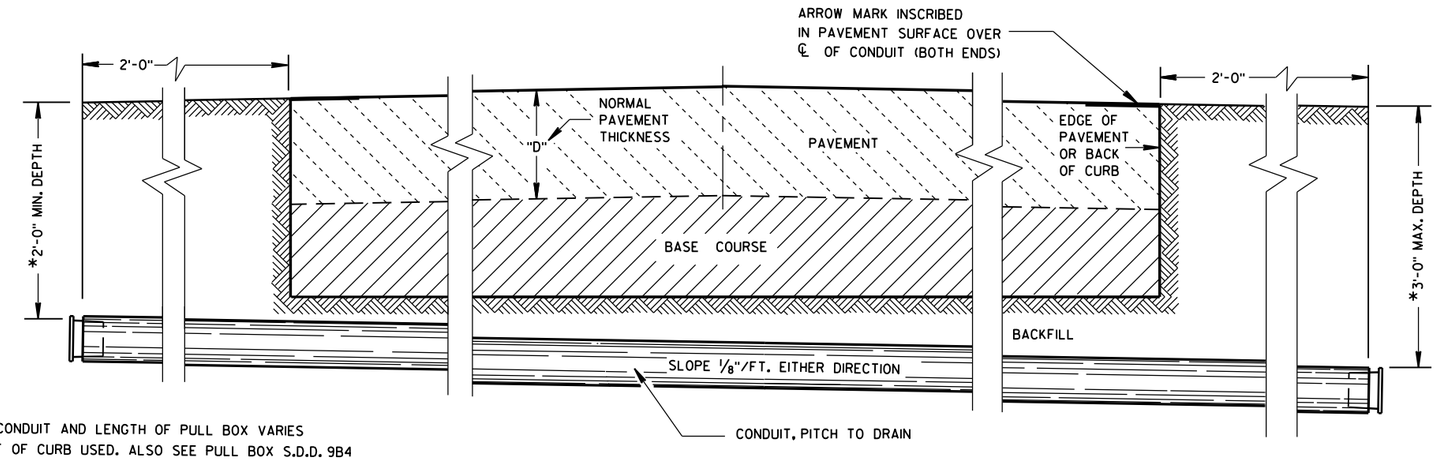
APPROVED
10/16/02
DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6
S.D.D. 8 E 10-2



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

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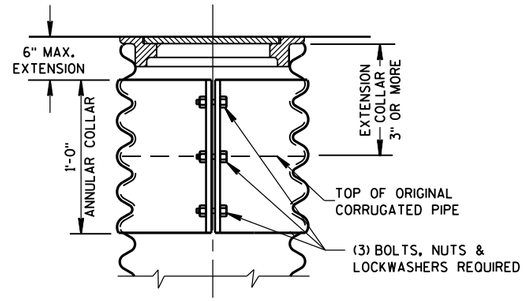
S.D.D. 9 B 2-10

TABLE OF NOMINAL DIMENSIONS AND WEIGHTS

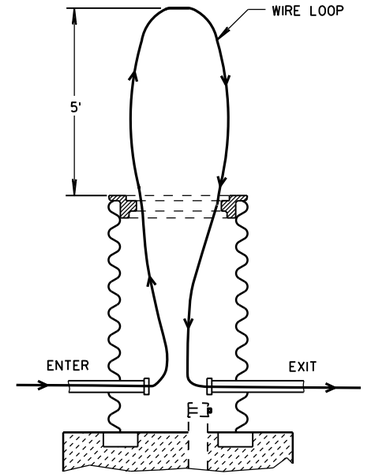
DIMENSION IN INCHES		CORRUGATED STEEL PIPE								
PIPE DIAMETER (INSIDE)	A	12	12	12	18	18	18	24	24	24
PIPE LENGTH **	B	24	30	36	24	30	36	36	42	48
WALL THICKNESS	C	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064
COVER	D	10 1/4	10 1/4	10 1/4	16 1/4	16 1/4	16 1/4	22 1/4	22 1/4	22 1/4
FRAME	E	14 1/2	14 1/2	14 1/2	20 1/2	20 1/2	20 1/2	26 1/2	26 1/2	26 1/2
FRAME	F	8 1/2	8 1/2	8 1/2	14 1/2	14 1/2	14 1/2	20 1/2	20 1/2	20 1/2
FRAME	G	11 1/2	11 1/2	11 1/2	17 1/2	17 1/2	17 1/2	23 1/2	23 1/2	23 1/2
WEIGHT IN POUNDS *										
FRAME AND COVER		60	60	60	110	110	110	155	155	155

* THE ACTUAL WEIGHT OF THE MANHOLE FRAME AND COVER MAY VARY WITHIN 5 PERCENT PLUS OR MINUS OF THE WEIGHTS SHOWN.

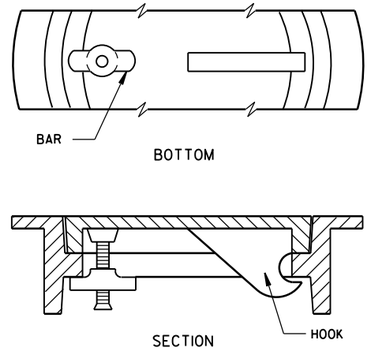
** NORMALLY USED LENGTHS. THE PROJECT ENGINEER SHALL DETERMINE IF PIPE LENGTHS, OTHER THAN THOSE SPECIFIED, SHALL BE USED, TO A MAXIMUM OF 48" (CONTINUOUS LENGTH, NON-SPLICED). THE ADDITIONAL LENGTH SHALL BE INCIDENTAL TO THE PULL BOX BID PRICE.



CORRUGATED PIPE EXTENDER

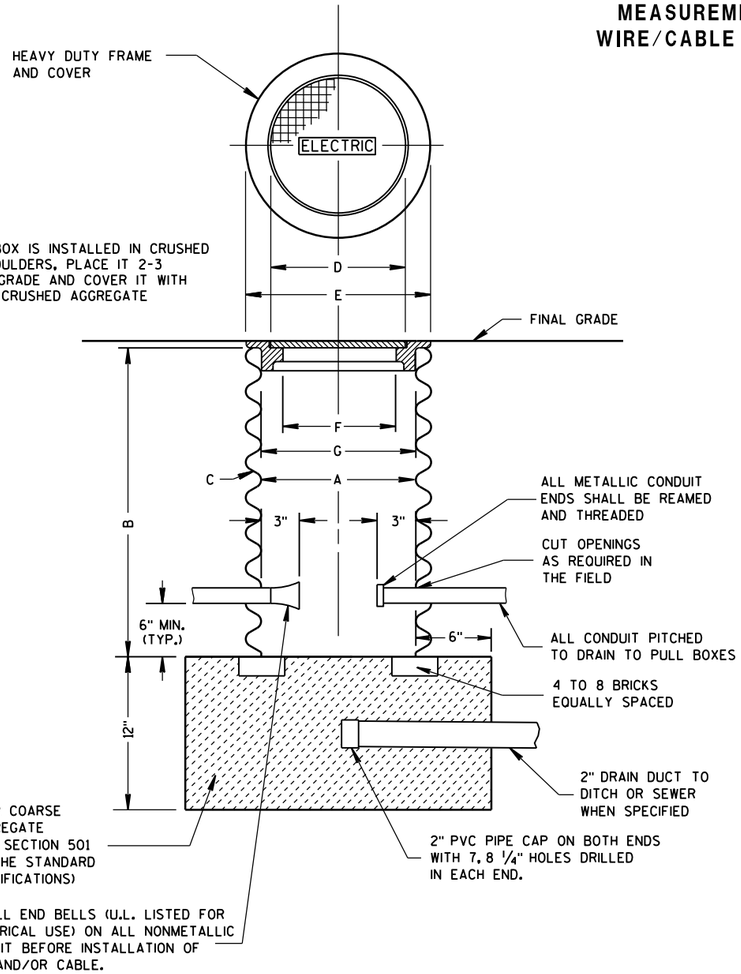


MEASUREMENT DETAIL FOR WIRE/CABLE IN THE PULL BOX



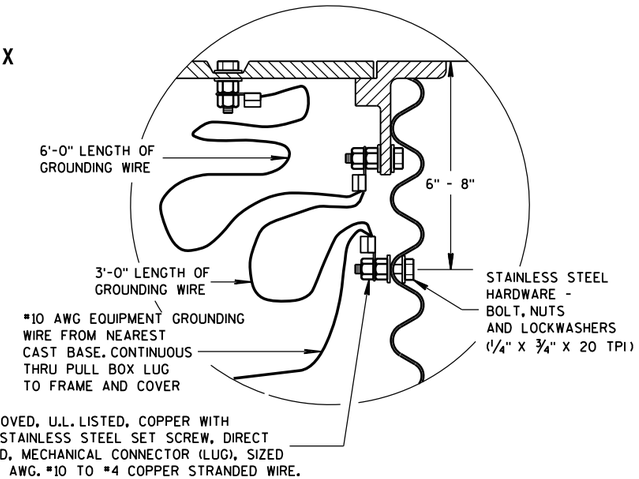
ALTERNATE COVER (LOCKING)

TIGHTENING BAR TYPE

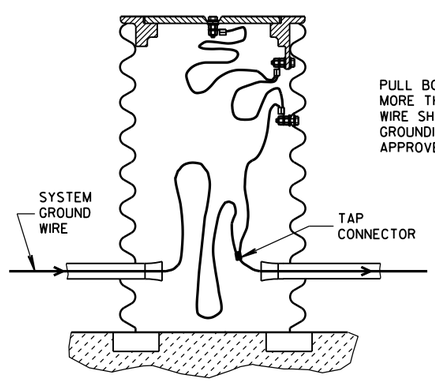


WHEN A PULL BOX IS INSTALLED IN CRUSHED AGGREGATE SHOULDERS, PLACE IT 2-3 INCHES BELOW GRADE AND COVER IT WITH 2-3 INCHES OF CRUSHED AGGREGATE

PULL BOX



EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES



PULL BOX TO NEAREST BASE DISTANCE MORE THAN 20 FEET. PULL BOX GROUND WIRE SHALL CONNECT AT SYSTEM GROUNDING WIRE. USE DEPARTMENT APPROVED TAP CONNECTOR.

EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES

GENERAL NOTES

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

ALL FRAMES AND COVERS SHALL BE HEAVY DUTY TYPE, SUITABLE FOR VEHICULAR TRAFFIC LOADS.

PULL BOXES LOCATED IN THE ROADWAYS SHALL HAVE LOCKING COVERS.

ENTRANCE HOLES INTO PULL BOXES SHALL BE CUT WITH A CIRCULAR HOLE SAW OR HYDRAULIC CONDUIT PUNCH. HOLE SIZE SHALL BE THE OUTSIDE DIAMETER OF THE CONDUIT THAT IS TO FIT IN THE OPENING PLUS NO MORE THAN 1/4".

THE CONTRACTOR SHALL NOT INSTALL WIRE IN ANY PULL BOX UNTIL ITS INSTALLATION HAS BEEN INSPECTED AND ACCEPTED BY THE ENGINEER.

GROUNDING LUGS (MECHANICAL CONNECTORS) SHALL BE U.L. LISTED AND APPROVED FOR USE WITH COPPER WIRE.

ALL METALLIC CONDUIT IN WHICH WIRE AND/OR CABLE IS TO BE INSTALLED, SHALL BE BUSHED BEFORE INSTALLATION OF THE WIRE AND/OR CABLE.

WHEN PULL BOXES ARE INSTALLED FOR FUTURE USE, DO NOT INSTALL THE EQUIPMENT GROUNDING LUG. THE EQUIPMENT GROUNDING LUG, THE EQUIPMENT GROUNDING ELECTRODE AND THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE REQUIRED AND INSTALLED UNDER A FUTURE WIRING CONTRACT.

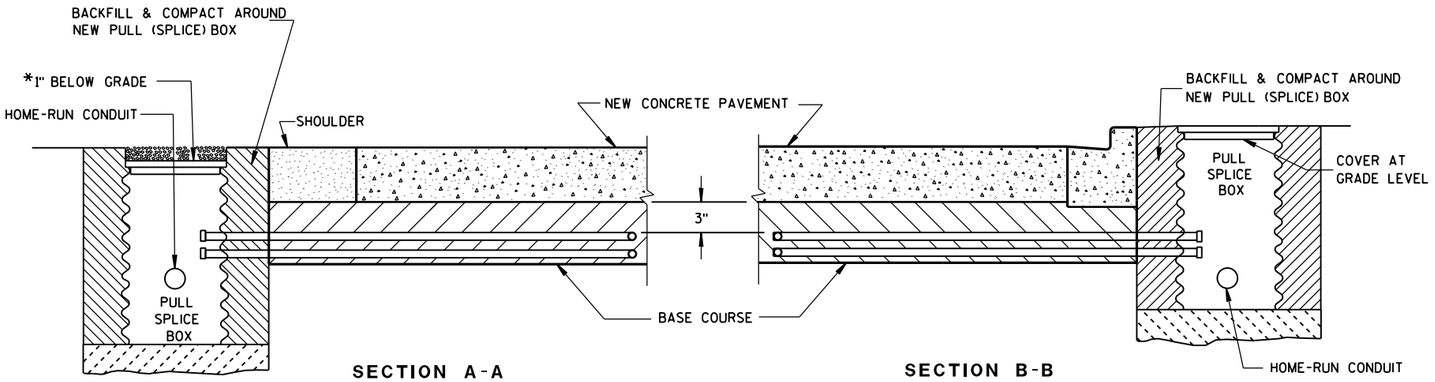
PULL BOX

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

6

S.D.D. 9 B 4-11



SECTION A-A
NO CURB & GUTTER

SECTION B-B
CURB & GUTTER

*RECESS PULL (SPLICE) BOX SO THAT THE COVER IS 3" BELOW GRADE IN SHOULDER AREAS OF CRUSHED AGGREGATE. BACKFILL OVER COVER WITH THE CRUSHED AGGREGATE TO BRING THE AREA TO GRADE LEVEL.

LOOP DETECTOR INSTALLATION DETAIL

GENERAL NOTES

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

LOOP SIZE, CONFIGURATION LOCATION, NUMBER OF TURNS OF WIRE AND ASSOCIATED SIGNAL PHASE SHALL BE AS SHOWN ON THE PLANS.

PITCH LEAD OUT CONDUIT TO DRAIN TO ROADSIDE PULL (SPLICE) BOX.

SPLICES SHALL BE INSTALLED BY USING CAST IN PLACE SPLICE KITS LISTED ON THE DEPARTMENTS APPROVED PRODUCTS LIST OR AN ENGINEER APPROVED EQUAL. NON-INSULATED BUTT SPLICES TO FIT #12 AWG STRANDED WIRE SHALL BE USED. SPLICES SHALL BE SOLDERED AND INSULATED FROM EACH OTHER AS PER INSTRUCTIONS INCLUDED IN THE SPLICE KIT.

MEASURE GROUND RESISTANCE USING A MEGGER. REPLACE LOOP WIRE NOT ATTAINING A READING OF INFINITY TO GROUND.

AFTER SPLICING THE LOOP WIRE TO THE LOOP LEAD-IN CABLE, THE CONTRACTOR SHALL MEASURE INDUCTANCE, GROUND RESISTANCE AND WIRE RESISTANCE AT THE CABINET END OF THE LEAD-IN CABLE AND FURNISH A COPY OF THE READINGS TO THE PROJECT ENGINEER FOR EVALUATION.

LOOP DETECTOR LEADS SHALL BE IDENTIFIED WITH THEIR ASSOCIATED LOOP BY USE OF WATERPROOF TAGS AT BOTH ENDS OF THE CABLE. A LISTING OF THE CABLE IDENTIFICATION PER INDIVIDUAL LOOP LEAD-IN SHALL BE PLACED IN THE CABINET.

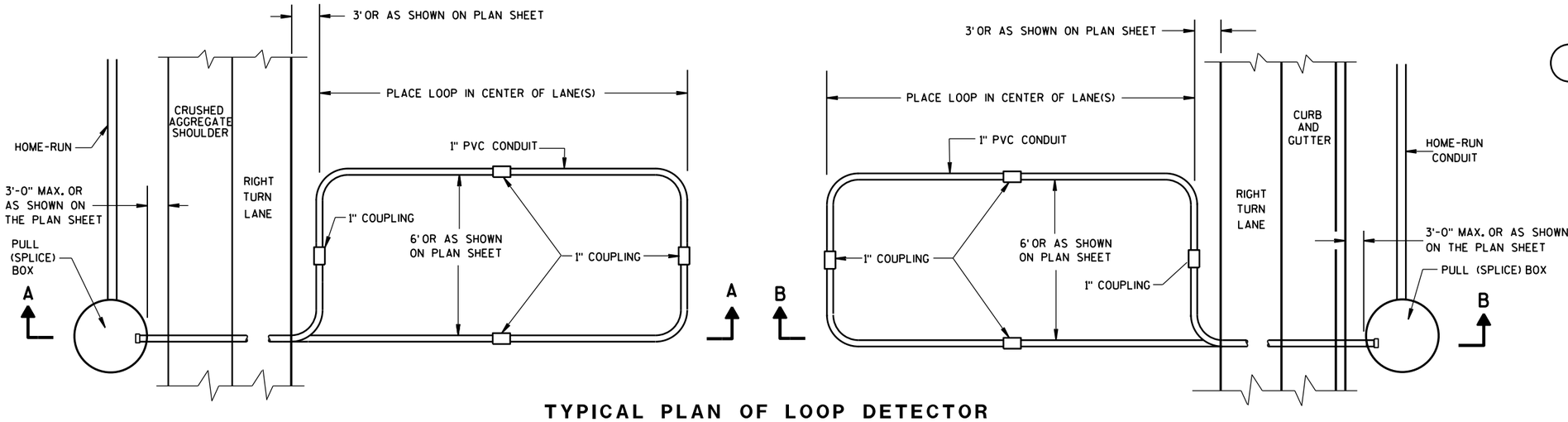
THE #12 AWG. LOOP WIRE IN THE PULL (SPLICE) BOX SHALL BE HAND TWISTED AT LEAST 3 TWISTS PER FOOT BEFORE BEING SPLICED TO THE LOOP LEAD-IN CABLE.

SPLICES OF LOOP WIRE TO LEAD-IN CABLE SHALL BE MADE ONLY IN PULL (SPLICE) BOXES AT THE SIDE OF THE ROAD.

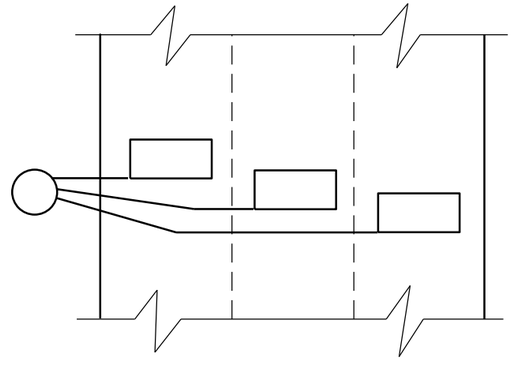
THE #12 AWG LOOP WIRE SHALL BE INSTALLED FROM THE ROADSIDE PULL (SPLICE) BOX, THROUGH THE LOOP CONDUIT, BACK TO THE ROADSIDE PULL (SPLICE) BOX, AND BE INSTALLED IN ONE, NON-SPLICED CONTINUOUS LENGTH.

PROTECTION OF THE CONDUITS IN THE BASE COURSE SHALL BE REQUIRED AFTER INSTALLATION AND BEFORE NEW PAVEMENT IS INSTALLED.

SHOULD INSTALLATION REPAIR BE REQUIRED, IT SHALL BE DONE UNDER THE DIRECTION OF THE PROJECT ENGINEER.



TYPICAL PLAN OF LOOP DETECTOR WITH 24" PULL (SPLICE) BOX



MULTI-LANE INSTALLATION

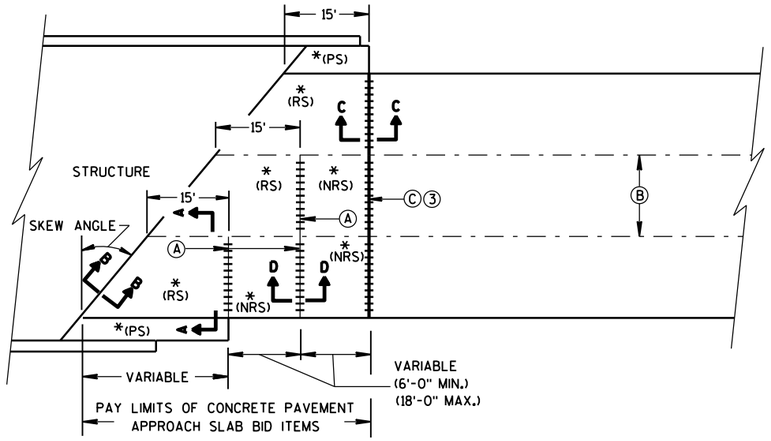
LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION
APPROVED Sept. 2014 — DATE /S/ Ahmet Demirbilek — STATE ELECTRICAL FHWA

6

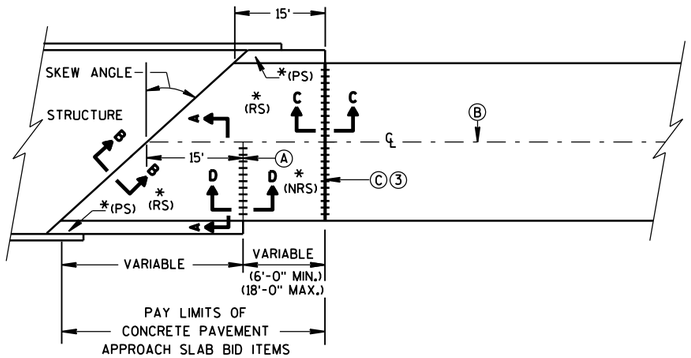
S.D.D. 9 F 15-4b

6

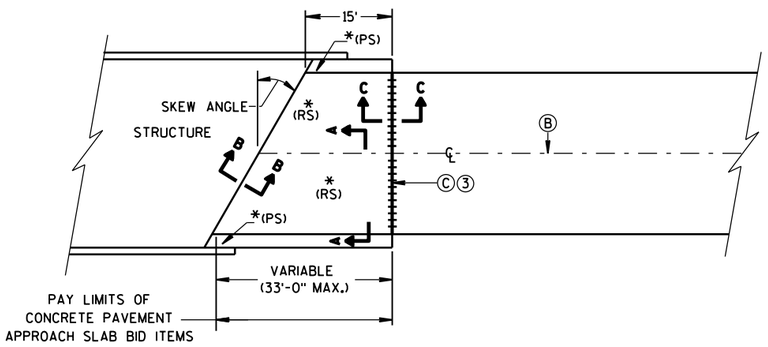
S.D.D. 9 F 15-4b



SKEWED APPROACH
(PAVEMENT MORE THAN 2 LANES)



SKEWS >20°
(PAVEMENT WIDTH ≤30')



SKEWS ≤20°
(PAVEMENT WIDTH ≤30')

APPROACH SLAB AND ADJACENT PAVEMENT

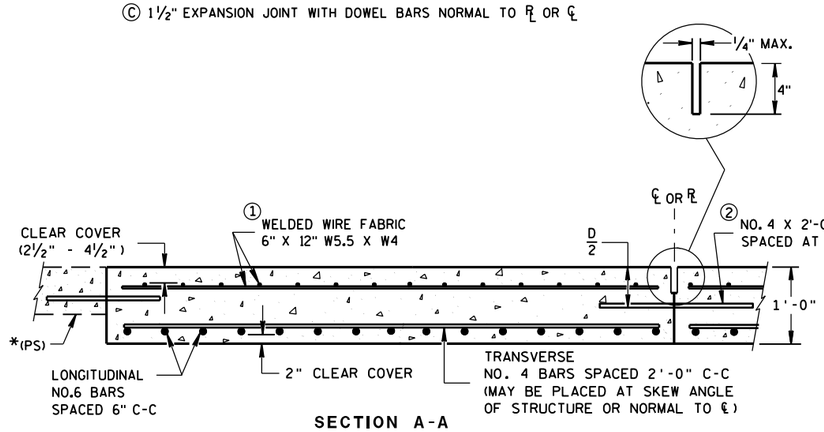
*(RS) = REINFORCED CONCRETE SLAB
*(PS) = PAVED CONCRETE SHOULDER OR CONCRETE DRAINAGE SLAB
(SEE DETAILS ELSEWHERE IN THE PLAN)
*(NRS) = NON-REINFORCED CONCRETE SLAB

***STANDARD DOWEL BAR DIAMETER
(SEE SDD 13C11, & SDD 13C13)

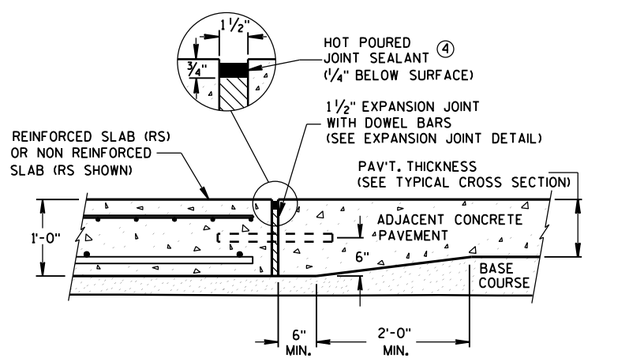
Ⓐ STANDARD CONTRACTION JOINT NORMAL TO ℄ OR ℄

Ⓑ STANDARD LONGITUDINAL JOINT WITH TIE BARS.

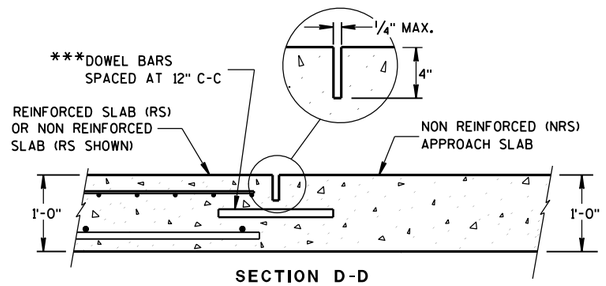
Ⓒ 1½" EXPANSION JOINT WITH DOWEL BARS NORMAL TO ℄ OR ℄



SECTION A-A
REINFORCEMENT POSITIONING DETAIL



SECTION C-C
TRANSITION DETAIL
APPROACH SLAB TO ADJACENT PAVEMENT



SECTION D-D
CONTRACTION JOINT

GENERAL NOTES

THE CONTRACTOR MAY SPLICE NO. 6 BARS IN THE APPROACH SLAB FOR SKEWED STRUCTURES ONLY. STAGGER SPLICES WITH A MAXIMUM OF ONE SPLICE PER BAR. THE LENGTH OF LAP IS 20 INCHES.

TACK WELD DOWEL BARS TO THE BASKETS ON ALTERNATE ENDS.

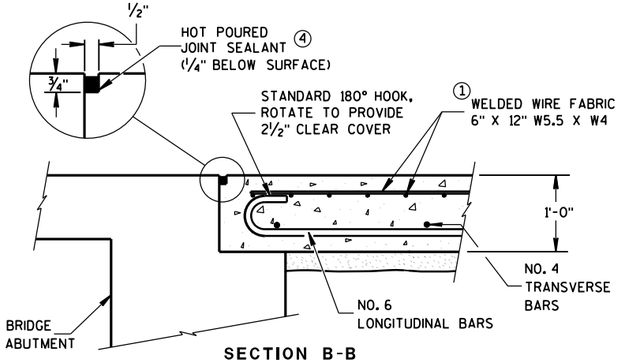
① THE CONTRACTOR MAY USE NO. 4 BARS SPACED AT 2'-0" C-C IN BOTH THE LONGITUDINAL AND TRANSVERSE DIRECTIONS FOR TOP REINFORCEMENT AS AN ALTERNATIVE TO THE WELDED WIRE FABRIC.

② THE CONTRACTOR MAY OMIT TIE BARS BETWEEN REINFORCED SLABS WHERE SLAB REINFORCEMENT BARS EXTEND ACROSS THE CENTERLINE OR REFERENCE LINE.

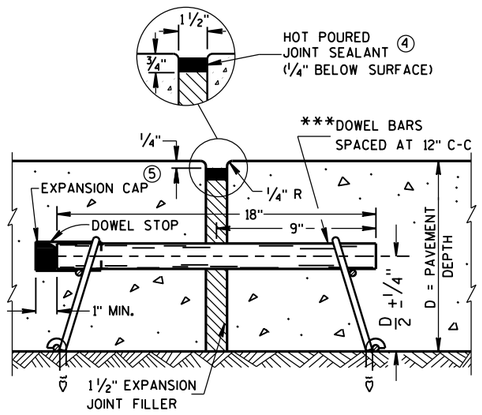
③ DO NOT CONSTRUCT AN EXPANSION JOINT OR INSTALL DOWEL BARS WHEN ABUTTING AN HMA PAVEMENT.

④ USE A JOINT SEALANT MEETING THE REQUIREMENTS OF ASTM D6690.

⑤ PLACE EXPANSION CAP ON THE END OF THE DOWEL THAT IS NOT TACK WELDED TO THE BASKET. DO NOT FORCE DOWEL BAR PAST THE DOWEL STOP.



SECTION B-B
BEND DETAIL
BOTTOM REINFORCEMENT



EXPANSION JOINT DETAIL

CONCRETE PAVEMENT APPROACH SLAB

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2015
DATE
/S/ Peter Kemp, P.E.
PAVEMENT SUPER
FHWA

6

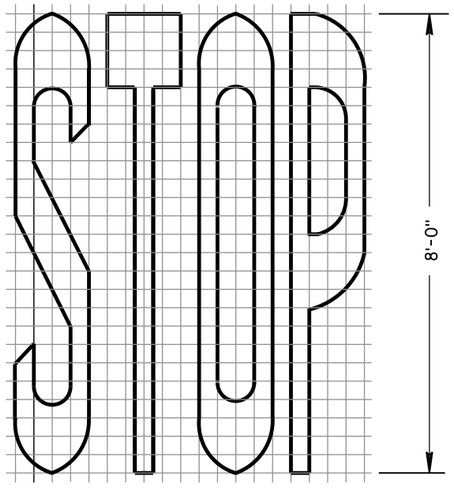
S.D.D. 13 B 2-8a

6

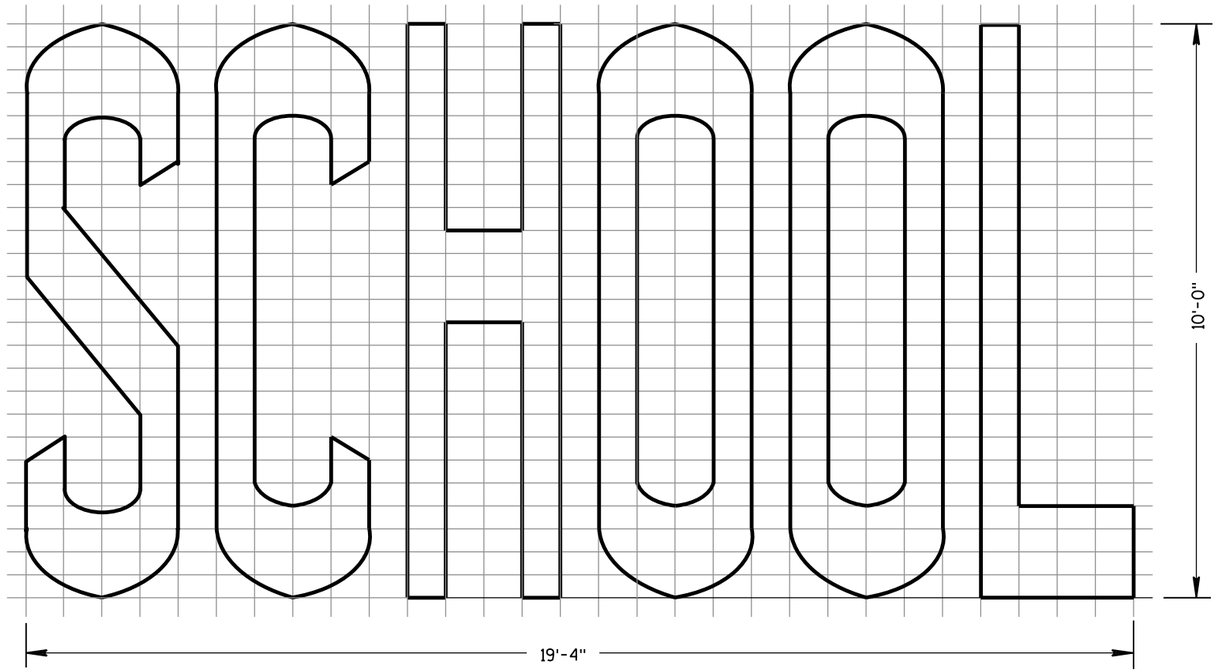
S.D.D. 13 B 2-8a

GENERAL NOTES

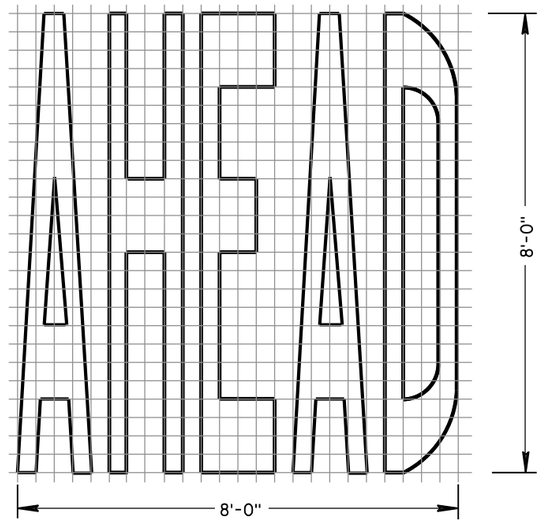
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

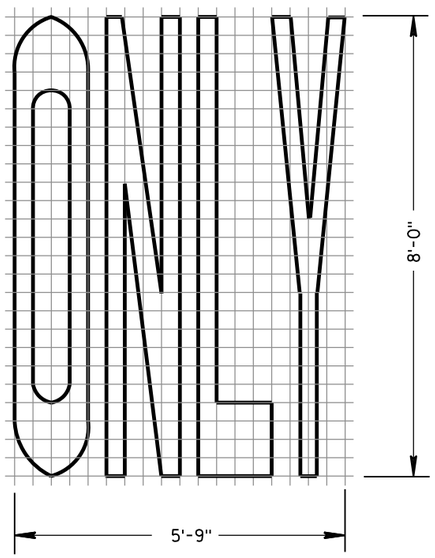


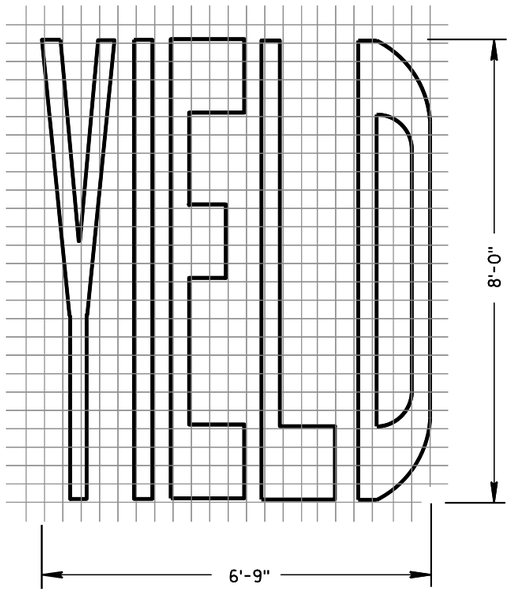


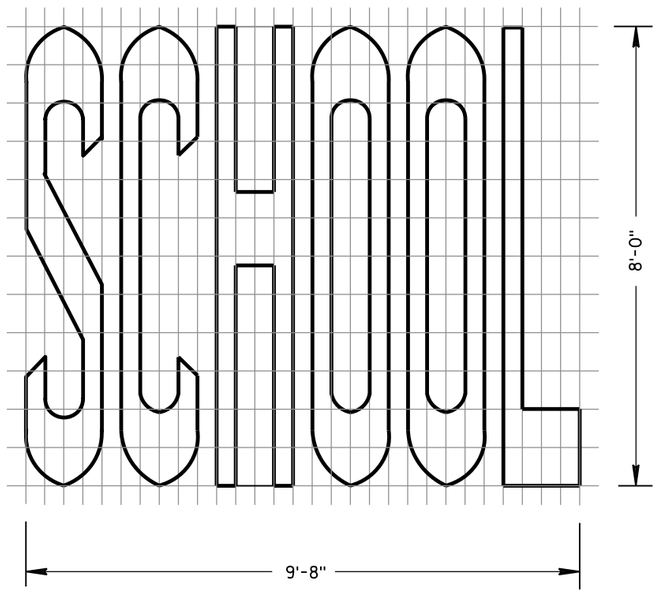


TWO-LANE









SINGLE-LANE

PAVEMENT MARKING WORDS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

4-18-16	/S/ Matthew R. Rauch	
DATE	STATE SIGNING AND MARK	EER

FHWA

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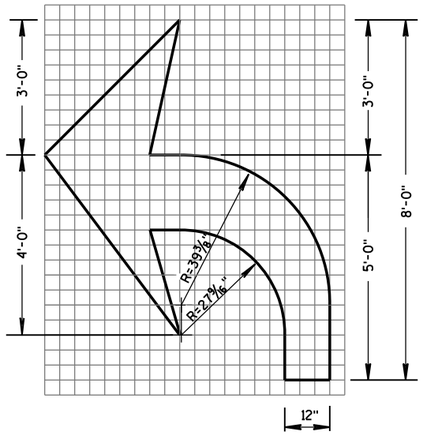
S.D.D. 15 C 7-13b

6

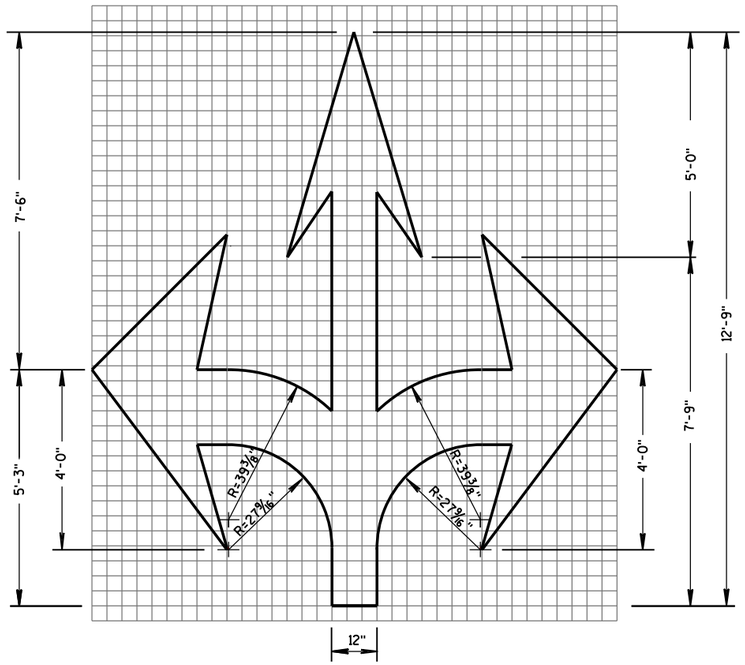
S.D.D. 15 C 7-13b

GENERAL NOTES

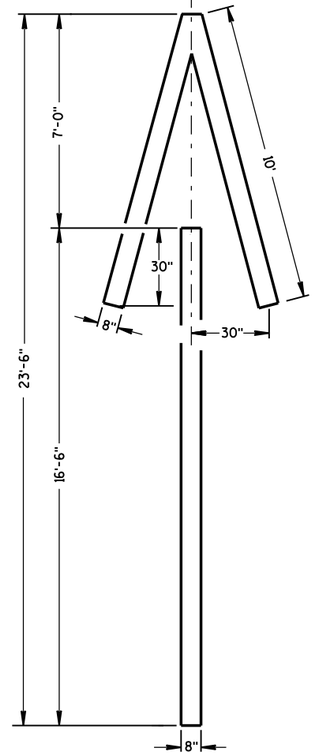
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.



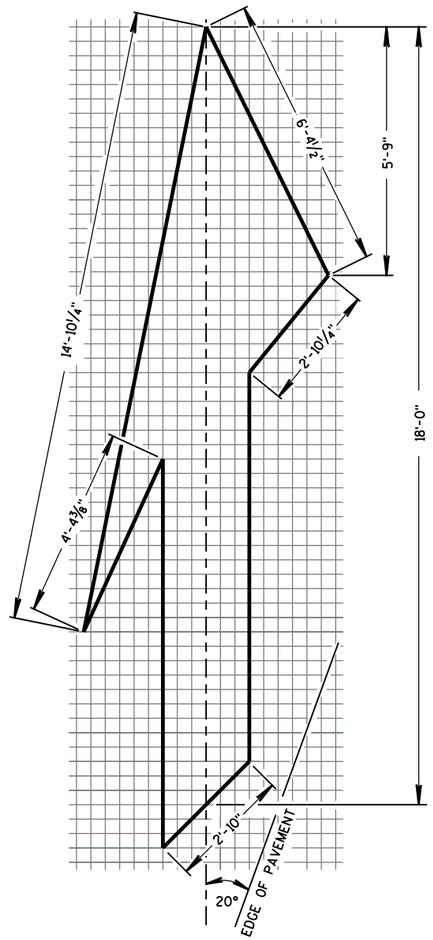
TYPE 2



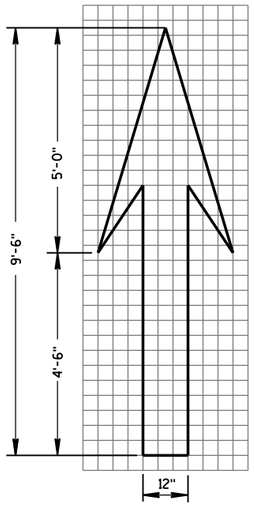
TYPE 6



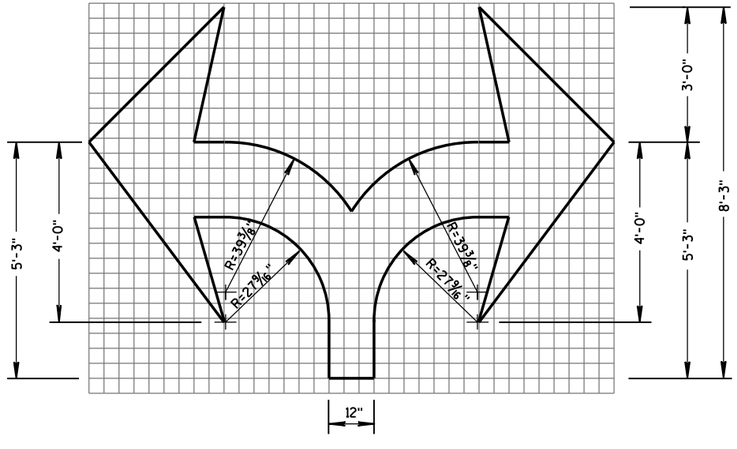
TYPE 4



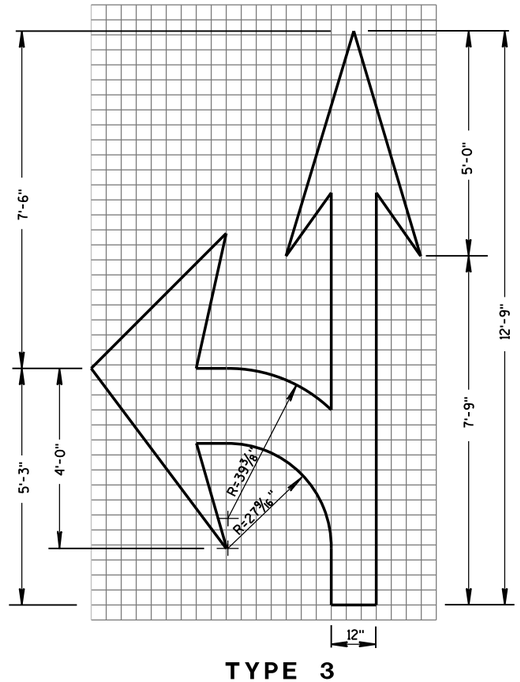
TYPE 5 LANE DROP ARROW



TYPE 1



TYPE 7



TYPE 3

PAVEMENT MARKING ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

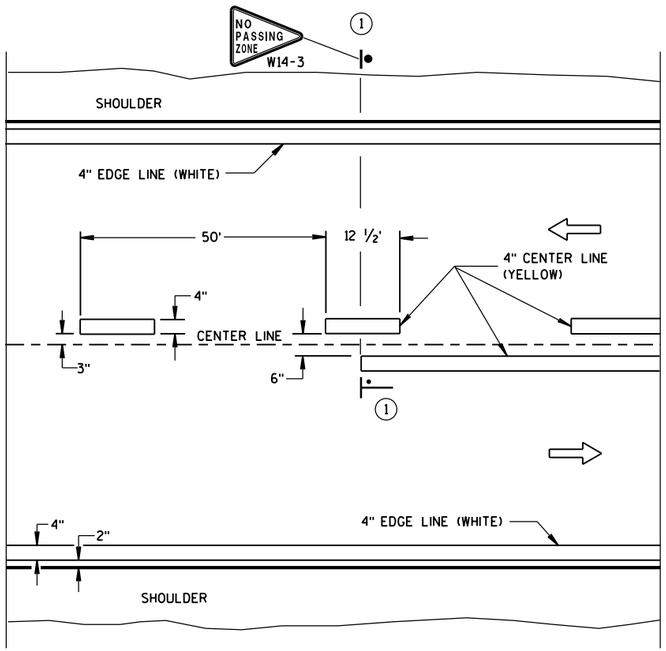
APPROVED
4-18-16
DATE
/S/ Matthew R. Rauch
STATE SIGNING AND MAR
ENGINEER
FHWA

6

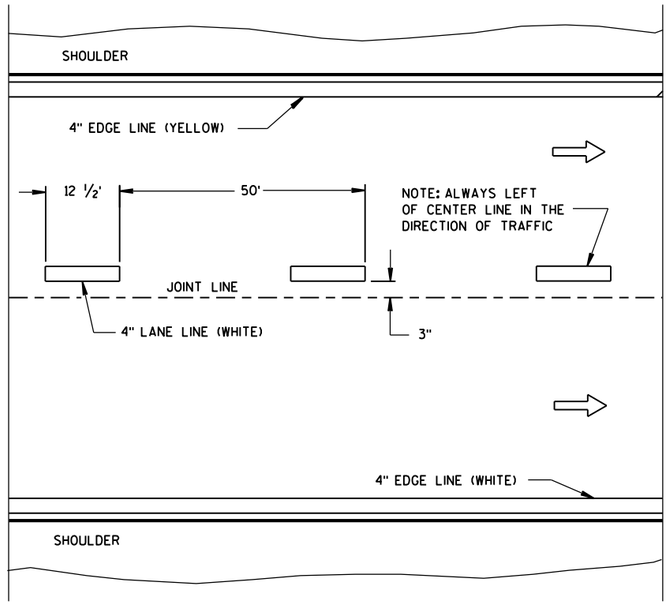
S.D.D. 15 C 7-13c

6

S.D.D. 15 C 7-13c



TWO WAY TRAFFIC



ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING

GENERAL NOTES

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

(1) NO PASSING ZONE W14-3 SIGN SHALL BE LOCATED WITHIN 50 FEET OF THE "T" MARKING.

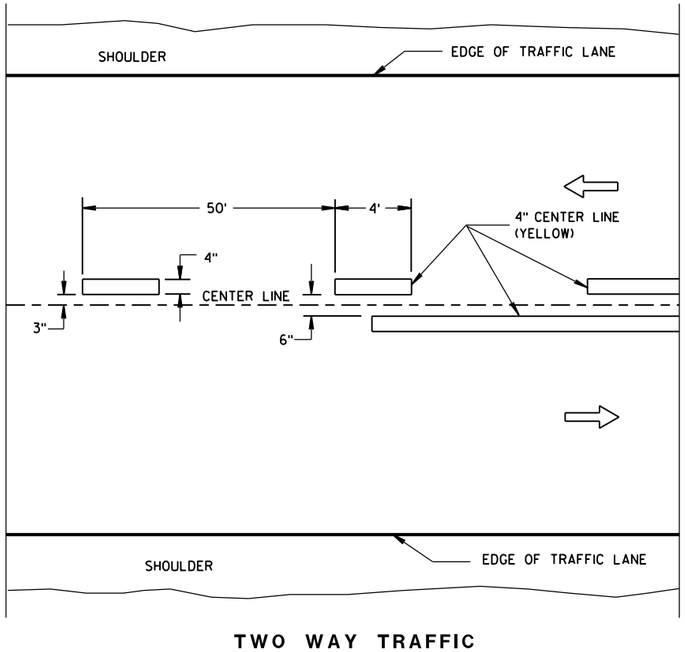
NOTE

ARROW SYMBOL (⇨) SHOWS DIRECTION OF TRAVEL

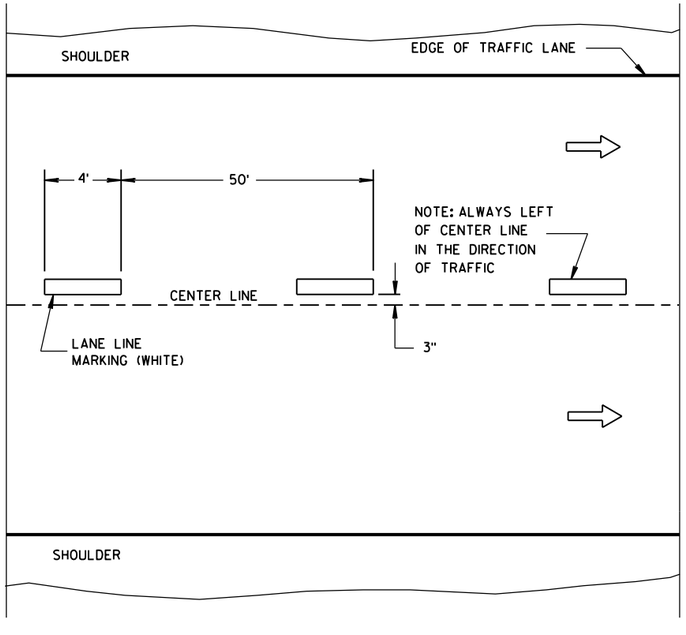
LEGEND

"T" MARKING

POST MOUNTED SIGN



TWO WAY TRAFFIC



ONE WAY TRAFFIC

TEMPORARY PAVEMENT MARKING

LONGITUDINAL MARKING (MAINLINE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

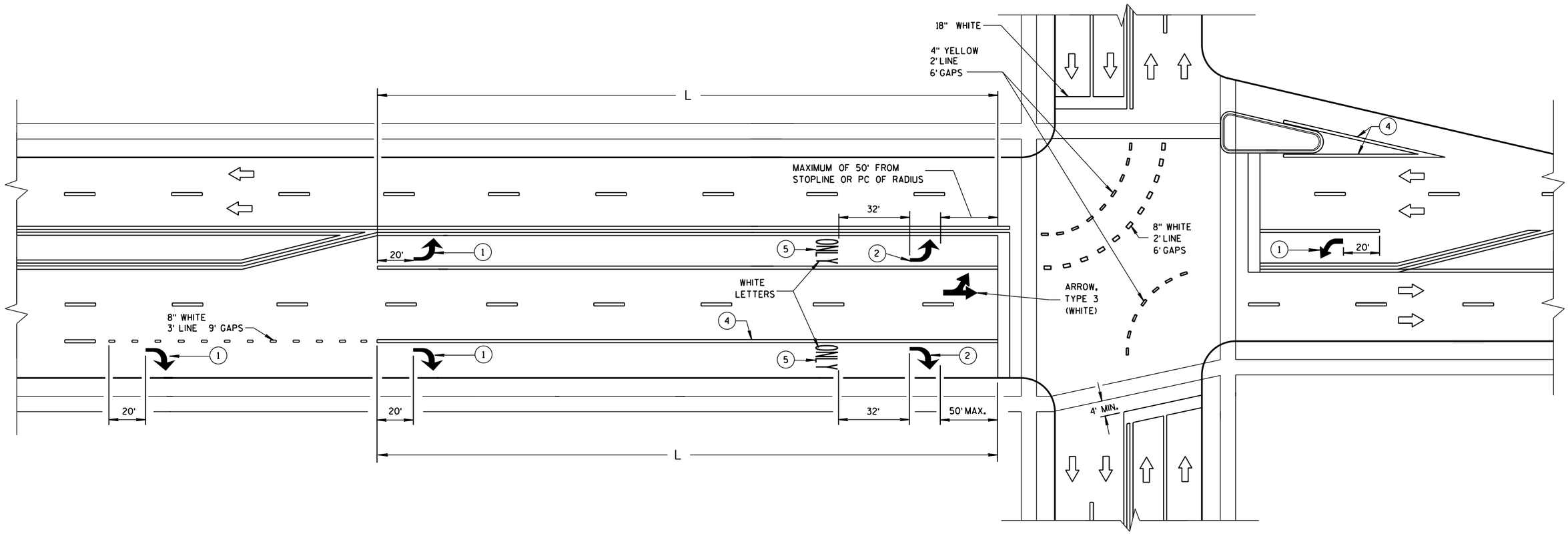
APPROVED
Sept., 2016 — DATE
/S/ Matthew R. Rauch — STATE SIGNING AND MAR[illegible]INEER
FHWA

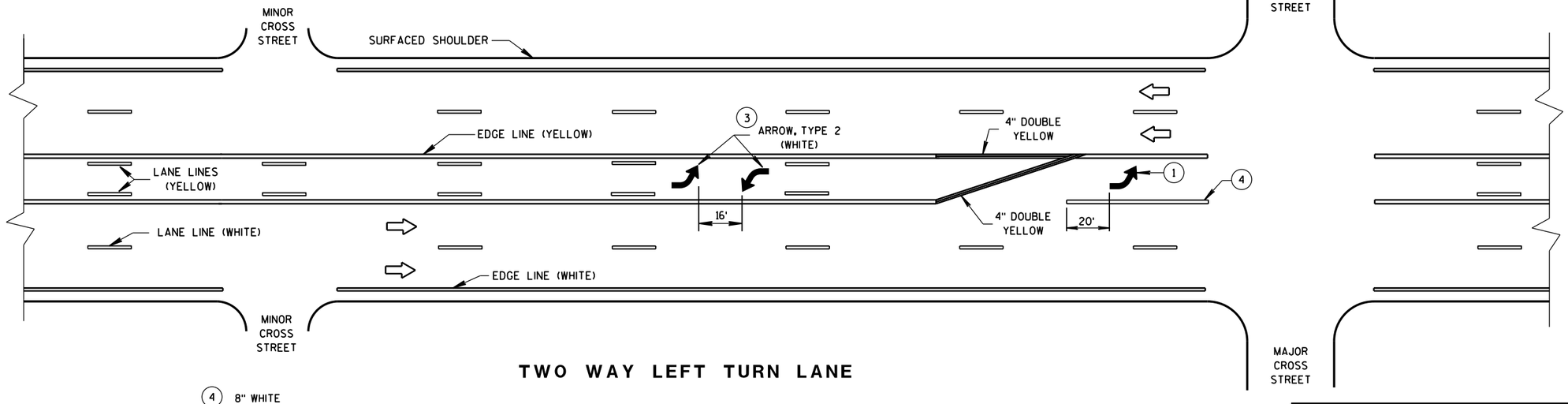
6

S.D.D. 15 C 8-17a

6

S.D.D. 15 C 8-17a





TWO WAY LEFT TURN LANE

GENERAL NOTES

(1) REQUIRED ARROW, TYPE 2 (WHITE).

(2) REQUIRED ARROW, TYPE 2 (WHITE) WHEN L IS GREATER THAN 78 FEET AND LESS THAN OR EQUAL TO 166 FEET.

(3) A SET OF ARROWS IS REQUIRED EVERY 400 FEET OR NEAR INTERSECTIONS OR DRIVEWAYS WITH TURNING TRAFFIC.

(4) 8" WHITE

(5) REQUIRED WORD ONLY WHEN L IS GREATER THAN 166 FEET.

NOTE:
ARROW SYMBOL (⇨)
SHOWS DIRECTION OF TRAVEL

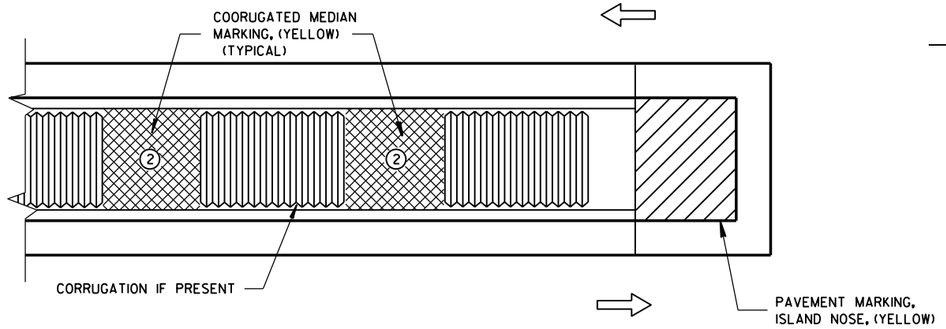
L = LENGTH OF TURN BAY

PAVEMENT MARKING (TURN LANES)

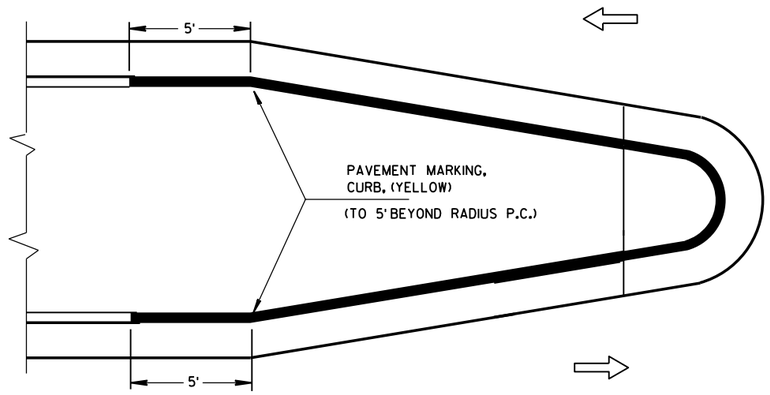
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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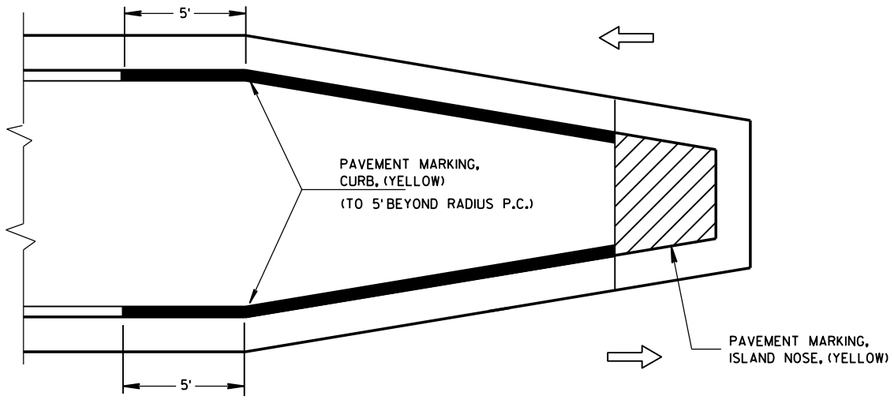
S.D.D. 15 C 8-17b



MEDIAN ISLAND WITH SQUARE BLUNT NOSE

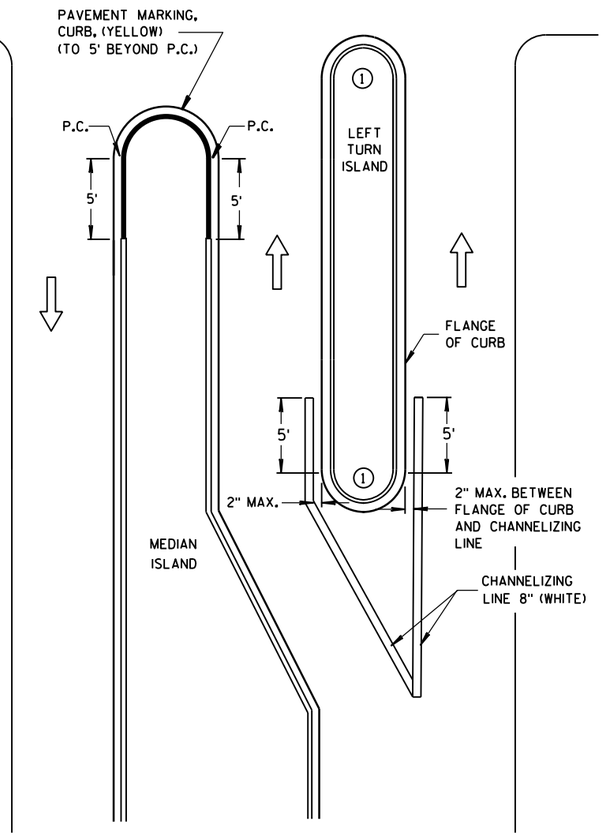


MEDIAN ISLAND WITH ROUND BLUNT NOSE



MEDIAN ISLAND WITH SLOPED NOSE

TYPICAL PLACEMENT OF PAVEMENT MARKING ON MEDIAN ISLANDS

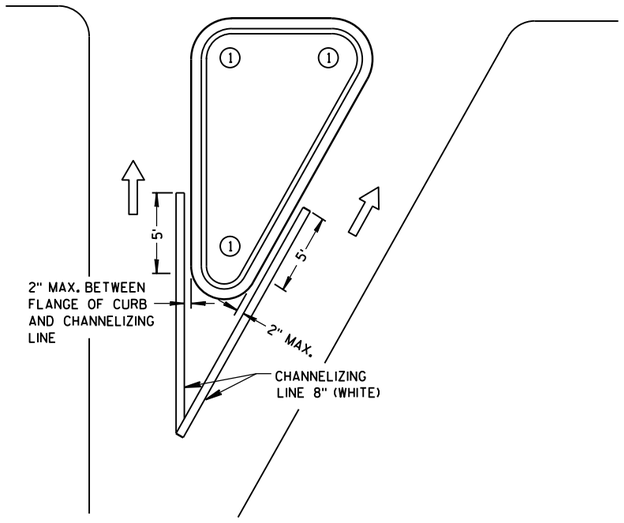


LEFT TURN & MEDIAN ISLAND

GENERAL NOTES

1. DO NOT MARK CURB NOSES THAT SEPARATE LANES OF TRAFFIC TRAVELING IN THE SAME DIRECTION.

2. WHEN CONCRETE CORRUGATED MEDIAN IS CONSTRUCTED TO SEPARATE TRAFFIC OPERATING IN THE OPPOSING DIRECTION YELLOW PAVEMENT MARKING SHALL BE APPLIED TO THE FLAT PORTION OF THE CONCRETE CORRUGATED MEDIAN. THE ITEM OF PAVEMENT MARKING, CONCRETE CORRUGATED MEDIAN, WILL BE MEASURED IN PLACE AND AND ACCEPTED IN ACCORDANCE WITH THE CONTRACT AND PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT.



RIGHT TURN ISLAND

LEGEND

- ISLAND NOSE MARKING
- CURB MARKING
- CORRUGATED MEDIAN MARKING
- DIRECTION OF TRAVEL

PAVEMENT MARKING
(ISLANDS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

S.D.D. 15 C 8-17c

6

S.D.D. 15 C 8-17c

LEGEND

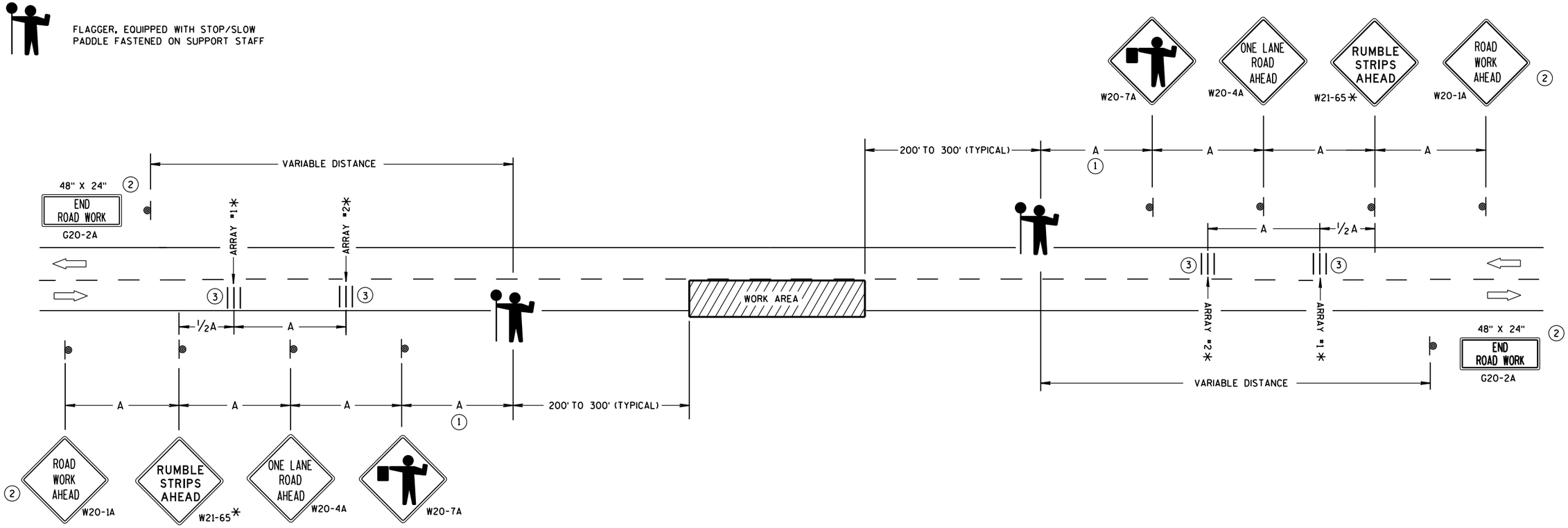
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- WORK AREA
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF

SIGN AND TEMPORARY RUMBLE STRIP ARRAY SPACING TABLE

SPEED LIMIT	SPACING A
25-35 MPH	200'
35-40 MPH	350'
45-55 MPH	500'



USE OF THE "BE PREPARED TO STOP" SIGN IS OPTIONAL. WHEN USED, THIS SIGN SHALL BE LOCATED BETWEEN THE W20-7A AND W20-4A SIGNS, USING SPACING A.



TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

GENERAL NOTES

DETAILS OF TRAFFIC CONTROL DEVICES AND INSTALLATION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

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

THE FIRST ADVANCE WARNING SIGN SHOULD TYPICALLY BE LOCATED IN ADVANCE OF THE ANTICIPATED TRAFFIC BACKUP OR QUEUE.

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

WHEN A SIDE ROAD OR RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

INSTALL TEMPORARY RUMBLE STRIPS PER MANUFACTURER'S RECOMMENDATIONS.

PLACE ADVANCE SIGNING PRIOR TO INSTALLING TEMPORARY RUMBLE STRIPS.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING OPERATION IS NOT IN EFFECT, REMOVE TEMPORARY RUMBLE STRIPS PRIOR TO COVERING OR REMOVING ALL ADVANCE SIGNING.

* UTILIZE TEMPORARY RUMBLE STRIPS WHEN FLAGGING OPERATION IS ANTICIPATED TO BE STATIONARY IN EXCESS OF TWO HOURS.

(1) FOR A MOVING WORK OPERATION, SIGNING AND TEMPORARY RUMBLE STRIPS (IF USED) SHALL BE REESTABLISHED (AS SIMULTANEOUSLY AS PRACTICAL) AT APPROXIMATELY 3,500 FOOT INTERVALS IN THE MOVING WORK OPERATION OR AS APPROVED BY THE ENGINEER.

(2) SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA.

(3) EACH TEMPORARY RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS SPACED ACCORDING TO MANUFACTURER'S RECOMMENDATION, PLACED TRANSVERSE ACROSS THE LANE AT LOCATIONS SHOWN.

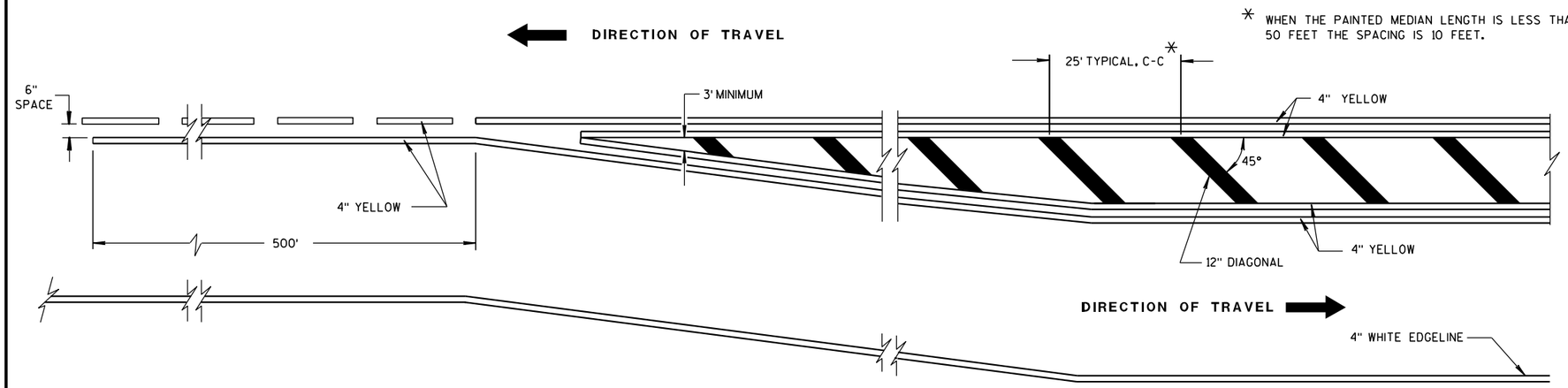
TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
December, 2016 — DATE
/S/ Andrew Heldtke — WORK ZONE ENG
FHWA

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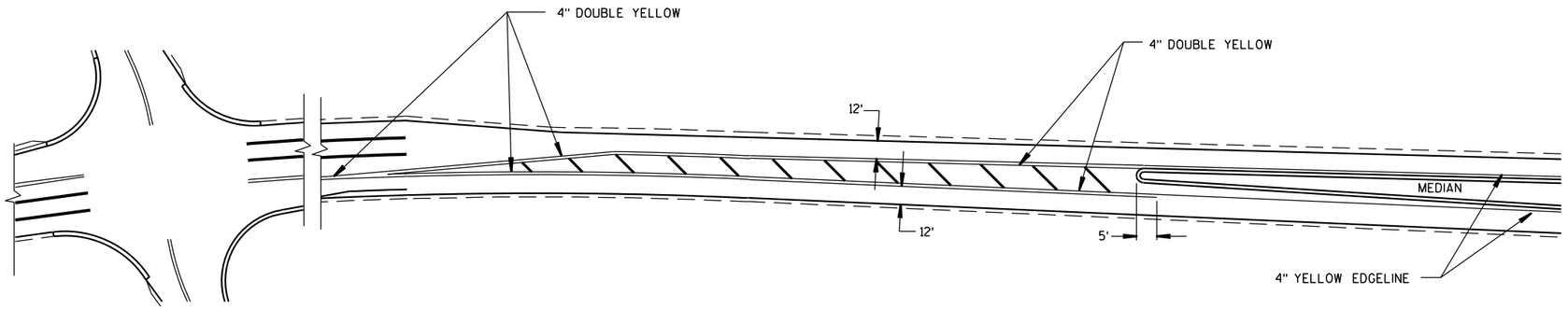
S.D.D. 15 C 12-5



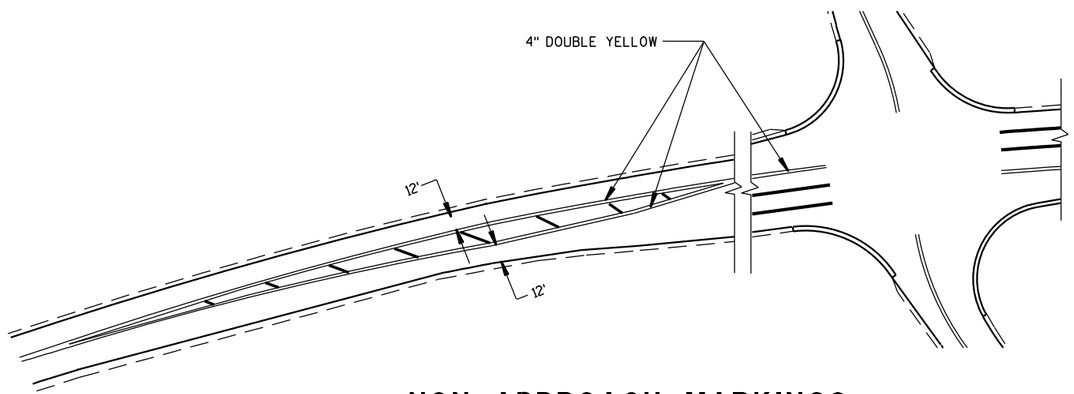
MEDIAN ISLAND DETAIL

GENERAL NOTE

DIAGONALS ARE OPTIONAL WHEN PAINTED ISLAND IS LESS THAN 6 FEET AT WIDEST POINT.



APPROACH MARKINGS FOR OTHER MEDIAN TYPES



NON APPROACH MARKINGS

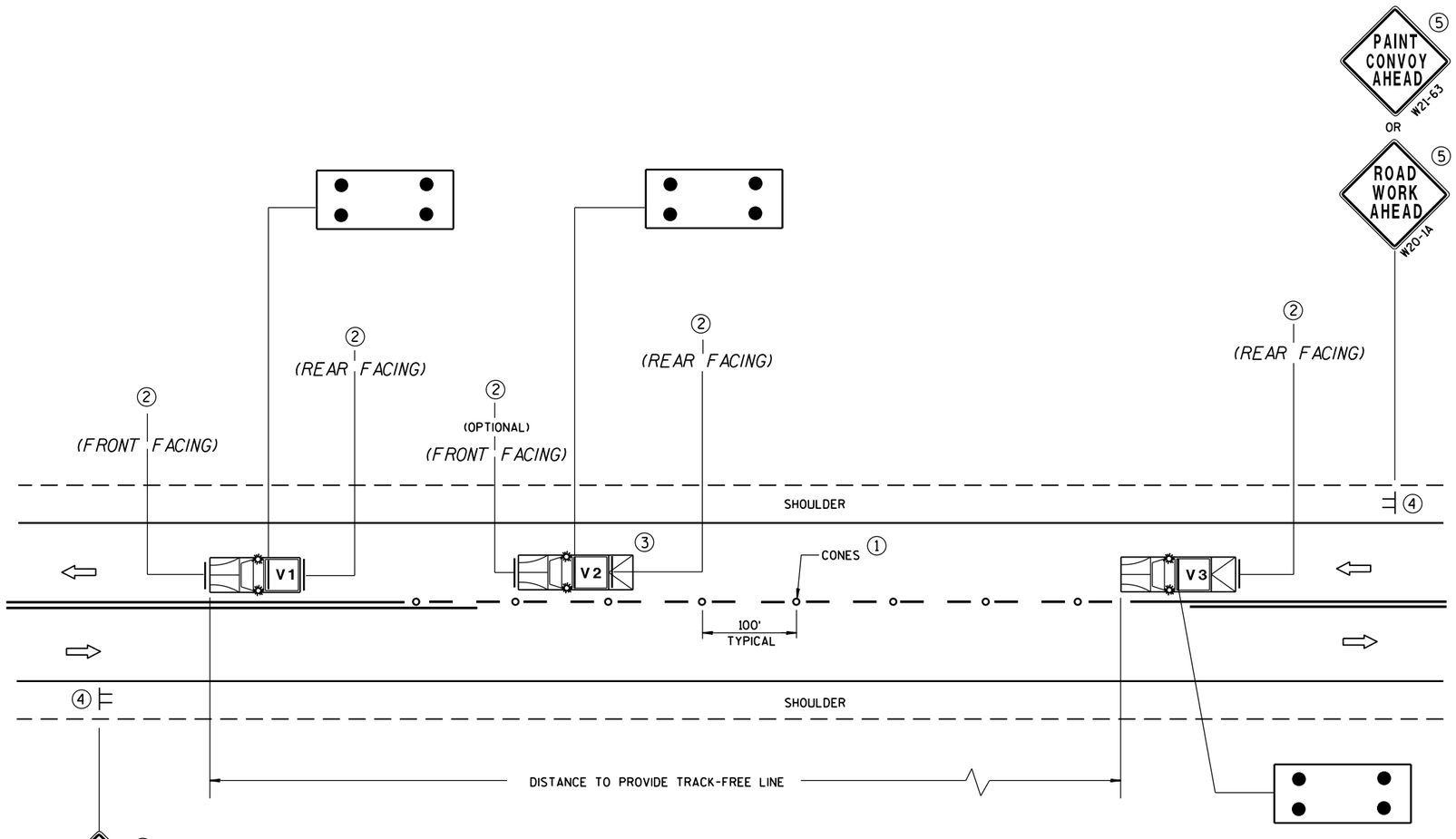
MEDIAN ISLAND MARKING	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED 2-5-09 DATE	/S/ Thomas N. Nothohm STATE TRAFFIC ENGINEER
FHWA	193 IGN

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S.D.D. 15 C 18-3

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S.D.D. 15 C 18-3



MOVING PAVEMENT MARKING OPERATIONS
TWO-LANE TWO-WAY ROADWAY

GENERAL NOTES

ALL VEHICLES SHALL BE EQUIPPED WITH TWO 360 DEGREE HIGH INTENSITY YELLOW FLASHING LIGHTS OR STROBE LIGHTS AND OPERATED WITH HEADLIGHTS TURNED ON.

VEHICLES SHALL BE EQUIPPED WITH REAR FACING TYPE B OR C FLASHING ARROW PANEL OPERATING IN CAUTION MODE. SIGNS PLACED ON VEHICLES MUST NOT OBSCURE THE ARROW PANEL.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE SPECIFIED.

IF SPEED LIMIT IS 40 MPH OR LESS STATIONARY SIGNS MAY BE OMITTED IF CONES ARE USED.

ALTERNATE SIGN MESSAGES, SUCH AS "PAINT CREW AHEAD" OR "ROAD PAINTING AHEAD" MAY BE USED.

DISTANCE BETWEEN VEHICLES MAY VARY ACCORDING TO TERRAIN, SIGHT DISTANCE, PAINT DRYING TIME, AND OTHER FACTORS. WHENEVER ADEQUATE STOPPING SIGHT DISTANCE EXISTS TO THE REAR, SHADOW VEHICLES SHOULD MAINTAIN THE MINIMUM DISTANCE FROM THE WORK VEHICLE AND PROCEED AT THE SAME SPEED AS THE WORK VEHICLE. SHADOW VEHICLES SHOULD SLOW DOWN IN ADVANCE OF VERTICAL OR HORIZONTAL CURVES THAT RESTRICT SIGHT DISTANCE.

THE WORK AND SHADOW VEHICLES SHOULD PULL OVER PERIODICALLY TO ALLOW TRAFFIC TO PASS.

THIS DRAWING SHALL BE USED FOR CENTERLINE OR EDGELINE MARKING.

WHEN NO WORK ACTIVITY IS TAKING PLACE, REMOVE OR TURN THE STATIONARY WARNING SIGNS AWAY FROM TRAFFIC.

(1) CONES MAY BE OMITTED ON PAINTED LINE IF APPROVED BY THE ENGINEER. CONSIDER PAVEMENT MARKING DRY OR CURE TIMES AND TRAFFIC VOLUME.

(2) USE STANDARD SIGN W21-64 WITH APPROPRIATE ARROW.

WET PAINT W21-64 OR WET PAINT W21-64

(3) OPTIONAL TRUCK-MOUNTED ATTENUATOR.

(4) SIGNS SHALL BE REPEATED APPROXIMATELY EVERY THREE MILES.

(5) IF CONSTRUCTION WORK ZONE SIGNS ARE IN PLACE, W20-1 OR W21-63 ARE NOT REQUIRED.

LEGEND

V1	LEAD VEHICLE
V2	SHADOW VEHICLE
V3	TRAIL VEHICLE WITH TMA
TMA	TRUCK-MOUNTED ATTENUATOR
	SIGN ON TEMPORARY SUPPORT
	DIRECTION OF TRAFFIC
	CONES
	FLASHING ARROW PANEL (CAUTION)

MOVING PAVEMENT MARKING OPERATION
TWO-LANE TWO-WAY ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

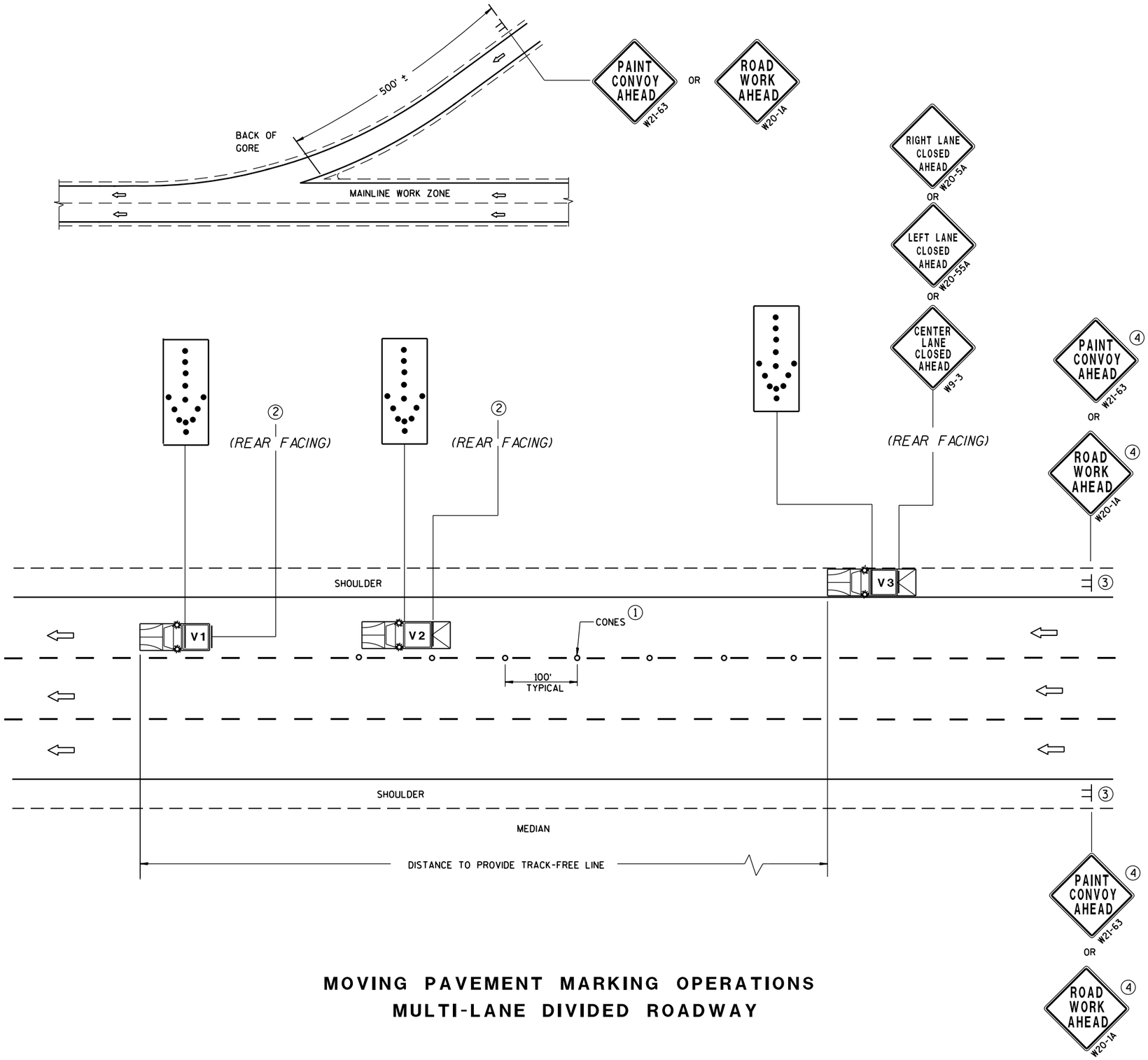
APPROVED
June 2016 — DATE
/S/ Peter Amakobe Atepe — STATEWIDE WORK ZON SAFETY ENGINE
FHWA

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S.D.D. 15 C 19-4a

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S.D.D. 15 C 19-4a



MOVING PAVEMENT MARKING OPERATIONS
MULTI-LANE DIVIDED ROADWAY

GENERAL NOTES

ALL VEHICLES SHALL BE EQUIPPED WITH TWO 360 DEGREE HIGH INTENSITY YELLOW FLASHING LIGHTS OR STROBE LIGHTS AND OPERATED WITH HEADLIGHTS TURNED ON.

ALL VEHICLES SHALL BE EQUIPPED WITH REAR FACING TYPE B OR C FLASHING ARROW PANEL. SIGNS PLACED ON VEHICLES MUST NOT OBSCURE THE ARROW PANEL.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE SPECIFIED.

IF SPEED LIMIT IS 40 MPH OR LESS STATIONARY SIGNS MAY BE OMITTED IF CONES ARE USED.

ALTERNATE SIGN MESSAGES, SUCH AS "PAINT CREW AHEAD" OR "ROAD PAINTING AHEAD" MAY BE USED.

DISTANCE BETWEEN VEHICLES MAY VARY ACCORDING TO TERRAIN, SIGHT DISTANCE, PAINT DRYING TIME, AND OTHER FACTORS. WHENEVER ADEQUATE STOPPING SIGHT DISTANCE EXISTS TO THE REAR, SHADOW VEHICLES SHOULD MAINTAIN THE MINIMUM DISTANCE FROM THE WORK VEHICLE AND PROCEED AT THE SAME SPEED AS THE WORK VEHICLE. SHADOW VEHICLES SHOULD SLOW DOWN IN ADVANCE OF VERTICAL OR HORIZONTAL CURVES THAT RESTRICT SIGHT DISTANCE.

WHEN WORK ACTIVITY BLOCKS THE LEFT LANE, REVERSE TRAFFIC CONTROL.

WHEN A RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, PROVIDE ADDITIONAL TRAFFIC CONTROLS AS SPECIFIED IN THE CONTRACT OR AS APPROVED BY THE ENGINEER.

USE AN ATTENUATOR ON THE REARMOST VEHICLE THAT BLOCKS ALL OR PART OF THE TRAFFIC LANE.

FOR EDGELINE MARKING OR IF CONES ARE NOT USED, POSITION THE REARMOST SHADOW VEHICLE ON THE SHOULDER AS SHOWN IN THE MUTCD IF THE SHOULDER HAS ADEQUATE WIDTH. USE DOUBLE ARROWS WHEN CONVOY IS IN CENTER LANE ONLY.

WHEN NO WORK ACTIVITY IS TAKING PLACE, REMOVE OR TURN THE STATIONARY WARNING SIGNS AWAY FROM TRAFFIC.

THIS DRAWING SHALL BE USED FOR EDGELINE OR LANELINE MARKING FOR MULTILANE DIVIDED ROADWAYS.

(1) CONES MAY BE OMITTED ON PAINTED LINE IF APPROVED BY THE ENGINEER. CONSIDER PAVEMENT MARKING DRY OR CURE TIMES AND TRAFFIC VOLUME.

(2) USE STANDARD SIGN W21-64 WITH APPROPRIATE ARROW.

WET PAINT W21-64 OR WET PAINT W21-64

(3) SIGNS SHALL BE REPEATED AFTER EVERY ON RAMP OR EVERY THREE MILES.

(4) IF CONSTRUCTION WORK ZONE SIGNS ARE IN PLACE, W20-1 OR W21-63 ARE NOT REQUIRED.

LEGEND

V1	LEAD VEHICLE
V2	SHADOW VEHICLE
V3	TRAIL VEHICLE WITH TMA
TMA	TRUCK-MOUNTED ATTENUATOR
	SIGN ON TEMPORARY SUPPORT
	DIRECTION OF TRAFFIC
	CONES
	FLASHING ARROW PANEL (MERGE)

MOVING PAVEMENT MARKING OPERATION
MULTI-LANE DIVIDED ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

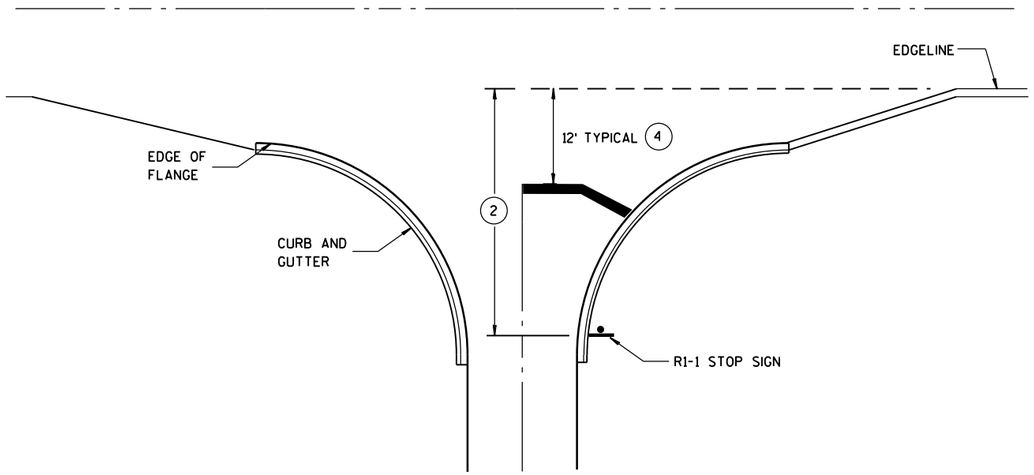
APPROVED
June 2016 — DATE
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZON SAFETY ENGINI
FHWA

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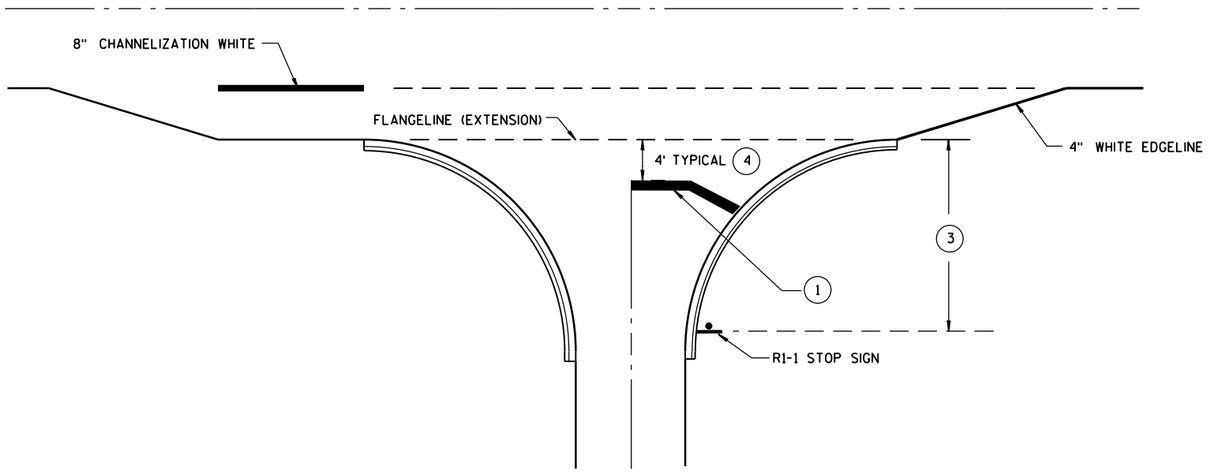
S.D.D. 15 C 19-4c

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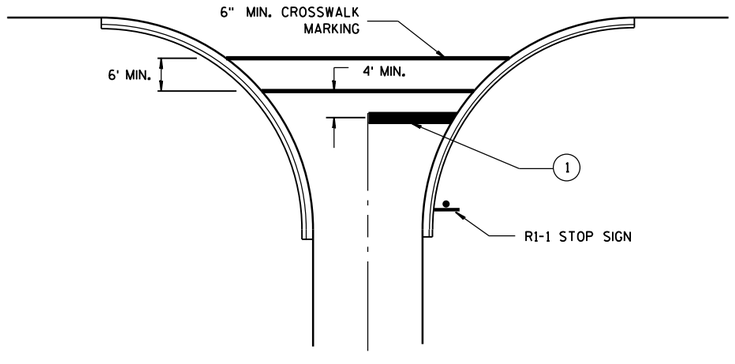
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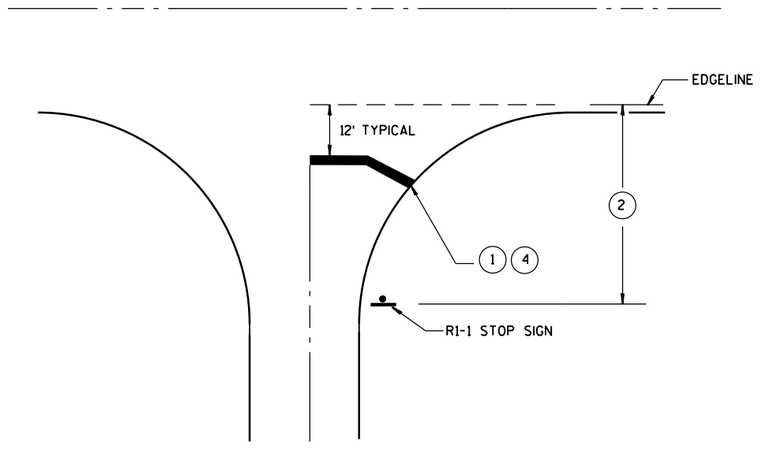
TYPICAL STOP LINE PAVEMENT MARKING WITH CURB AND GUTTER



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

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

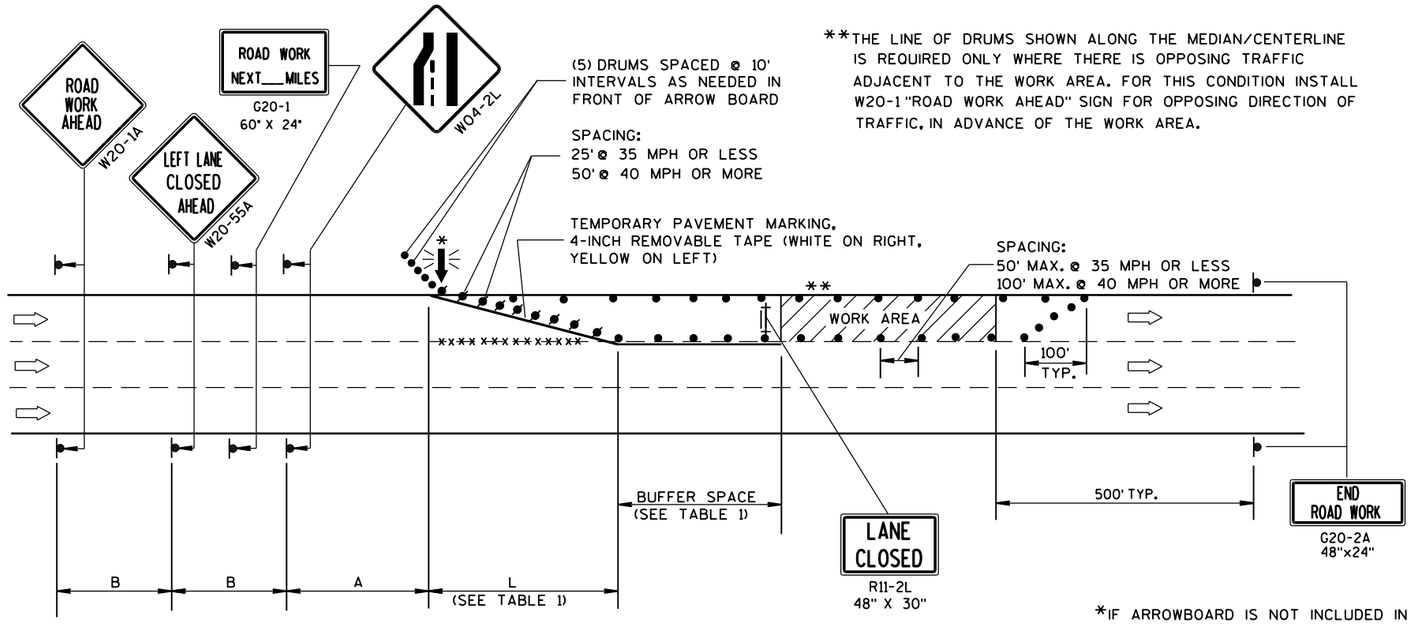
4-18-2016
DATE

/S/ Matthew R. Rauch
STATE SIGNING AND MAR[illegible]NEER

FHWA

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S.D.D. 15 C 33-2



**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"

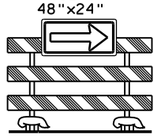


TABLE 1
TAPER AND BUFFER SPACE
FOR 12' LANE WIDTH

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

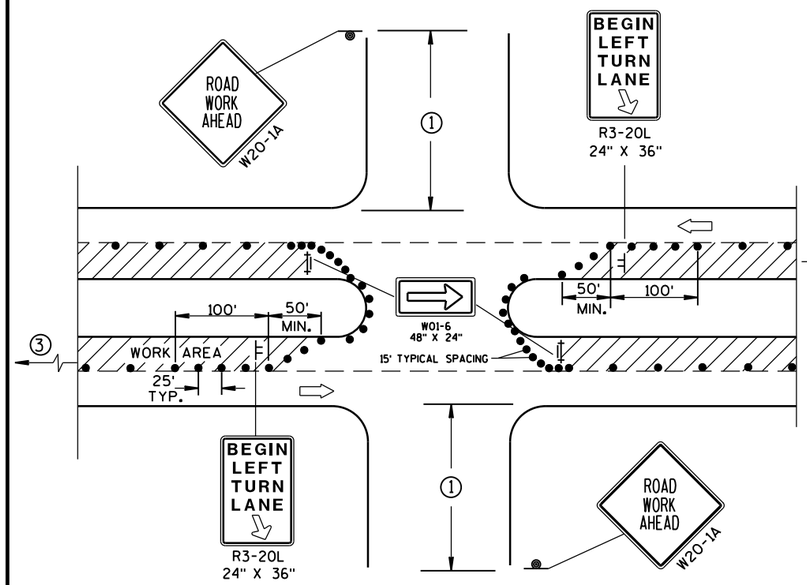
APPROVED
June 2016 — DATE
/S/ Peter Amakobe Atepe — STATEWIDE WORK ZONE SAFETY ENGINEER
FHWA

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S.D.D. 15 D 20-4

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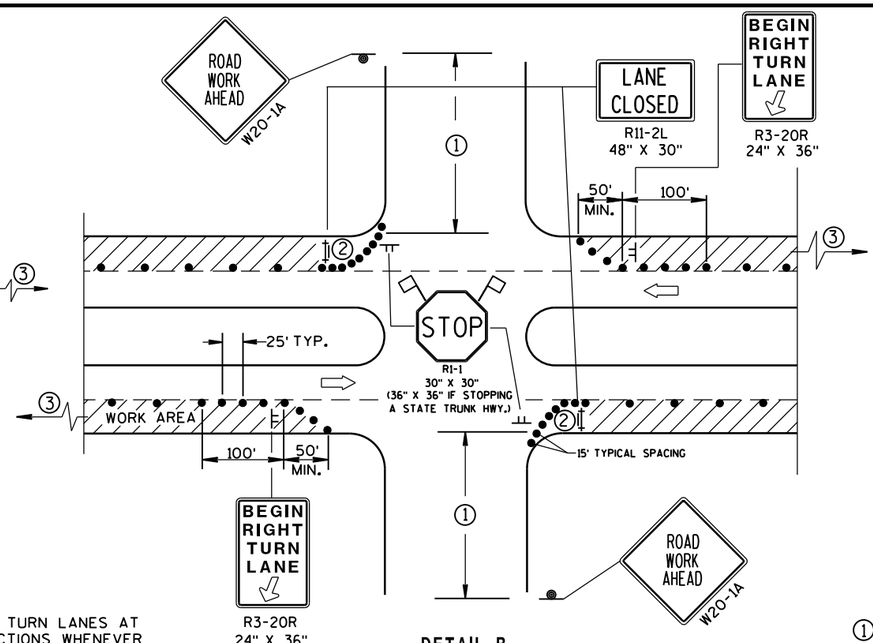
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DETAIL A

FOR LEFT LANE CLOSURE AT INTERSECTION OR MEDIAN OPENING

PROVIDE TURN LANES AT INTERSECTIONS WHENEVER STAGING OF WORK ALLOWS. TAPER AND TURN LANE LENGTHS BASED ON FIELD CONDITIONS AS APPROVED BY THE ENGINEER.



DETAIL B

FOR RIGHT LANE CLOSURE AT INTERSECTION

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 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.

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

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.

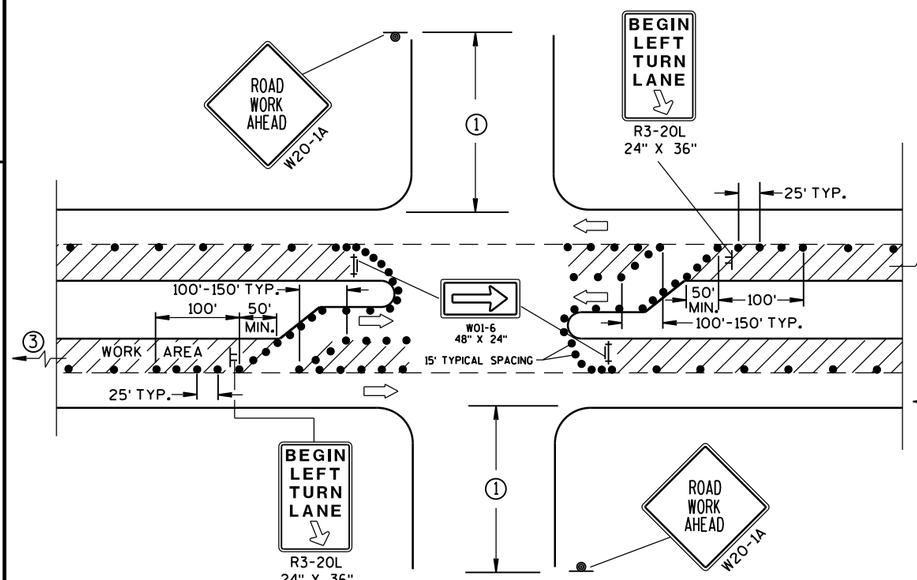
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

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.

(1) 500' TYPICAL OR AT LAST INTERSECTION, WHICHEVER IS CLOSER.
350' IF 35-40 MPH.
200' IF 25-30 MPH.

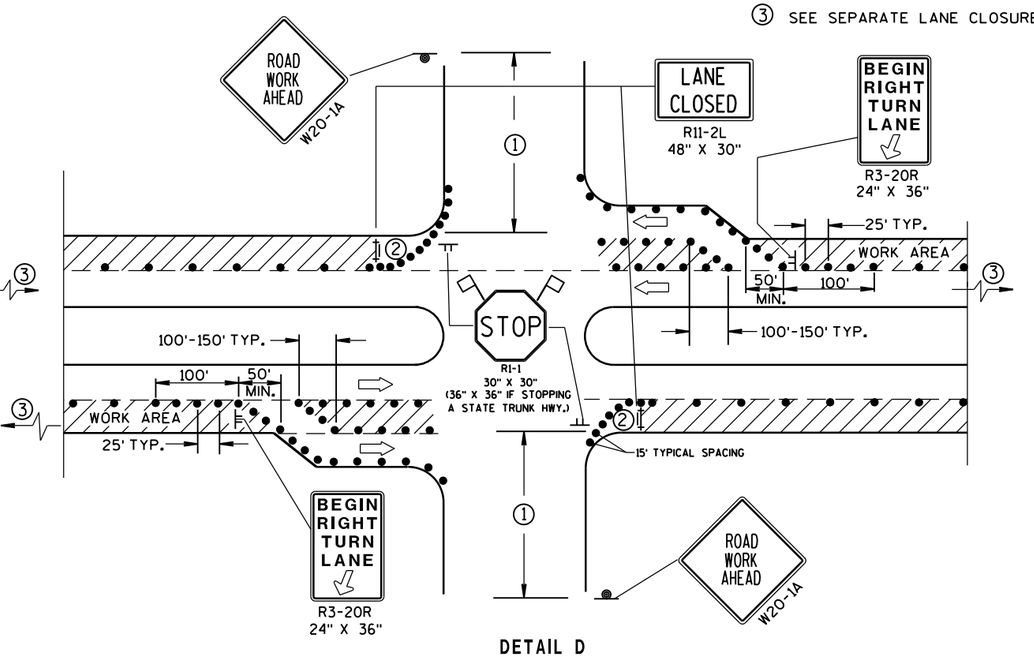
(2) ALSO USE BARRICADE AND 15-FOOT TYPICAL DRUM SPACING AT COMMERCIAL DRIVEWAYS.

(3) SEE SEPARATE LANE CLOSURE DETAIL FOR ADDITIONAL TRAFFIC CONTROL.



DETAIL C

FOR LEFT LANE CLOSURE AT INTERSECTION OR MEDIAN OPENING (WITH LEFT TURN BAY OPEN)



DETAIL D

FOR RIGHT LANE CLOSURE AT INTERSECTION (WITH RIGHT TURN BAY OPEN)

LEGEND

- TRAFFIC CONTROL DRUM
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT (5' MIN. MOUNTING HEIGHT)
- TYPE III BARRICADE WITH ATTACHED SIGN AND TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- FLAGS, 16" X 16" MIN., (ORANGE)
- WORK AREA

TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2016 — DATE
/S/ Peter Anakobe Atepe — STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER
FHWA

6

S.D.D. 15 D 21-4

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

SHOULDER TAPER LENGTH (FEET)					BUFFER SPACE (FEET)
S \ W	4	6	8	10	
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

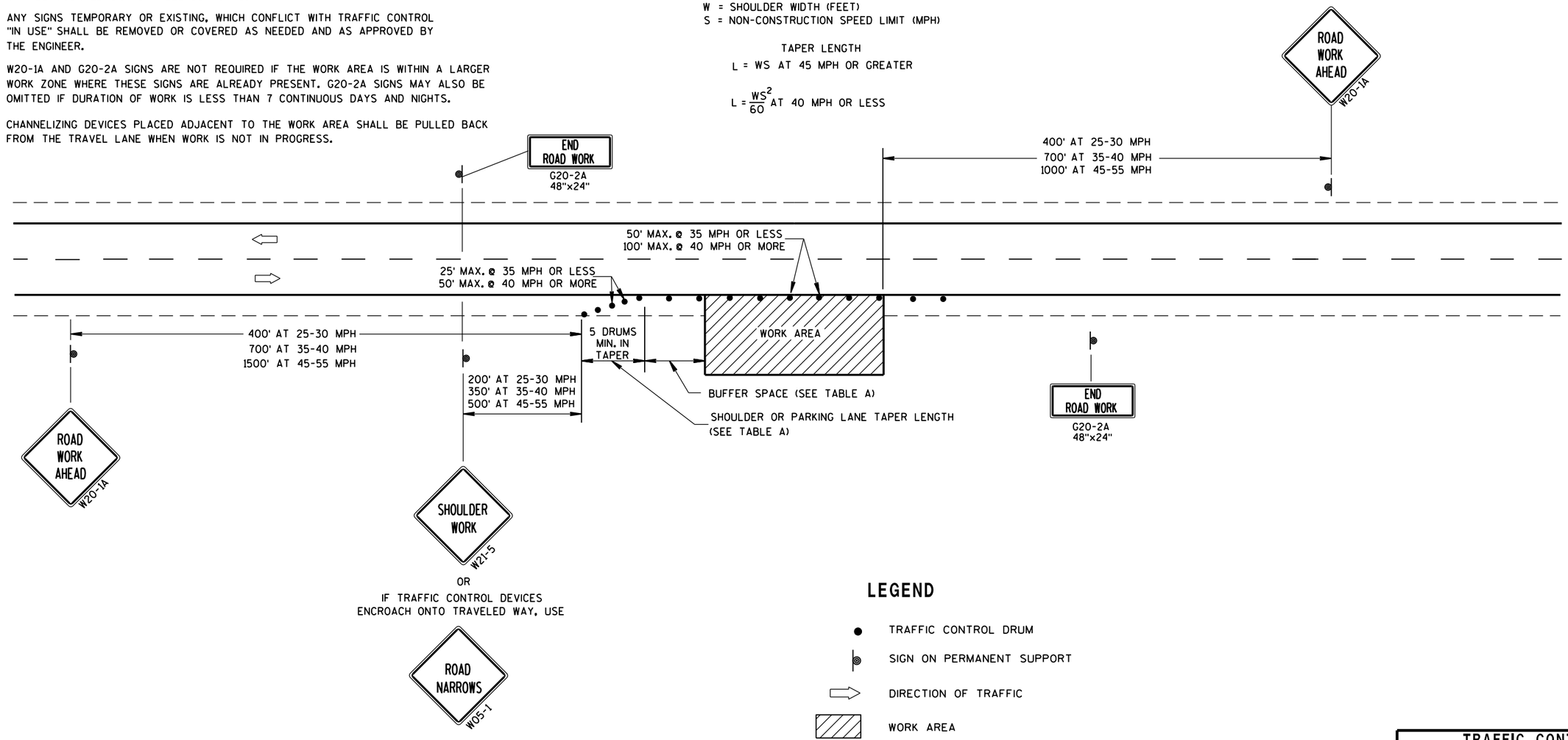
W = SHOULDER WIDTH (FEET)
S = NON-CONSTRUCTION SPEED LIMIT (MPH)

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 SAFETY ENGI FIC

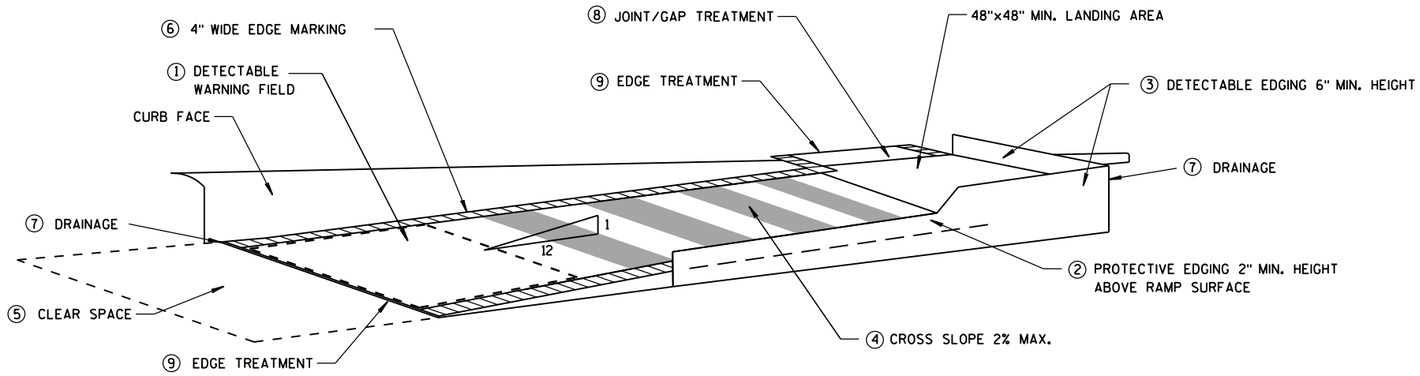
FHWA

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S.D.D. 15 D 28-3

6

S.D.D. 15 D 28-3



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.

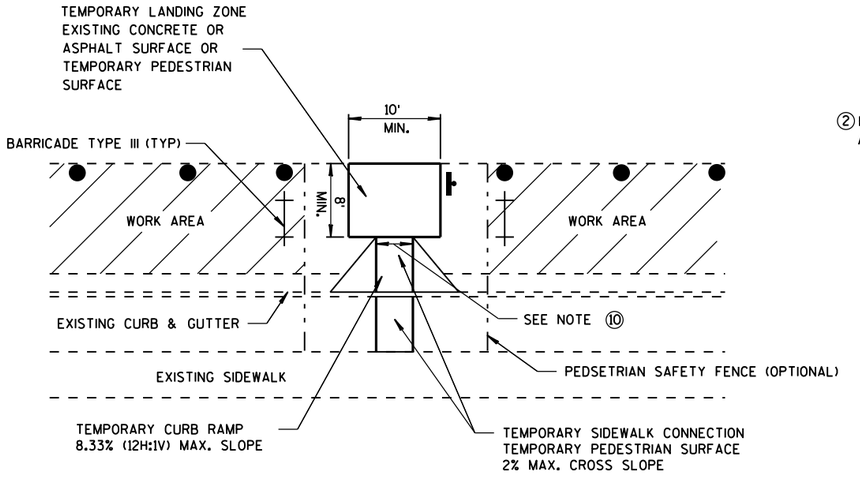
⑥ THE CURB RAMP WALKWAY EDGE SHALL BE MARKED WITH A YELLOW COLOR, 4" WIDE MARKING, UNLESS A CONTRASTING DETECTABLE WARNING FIELD IS PROVIDED.

⑦ DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.

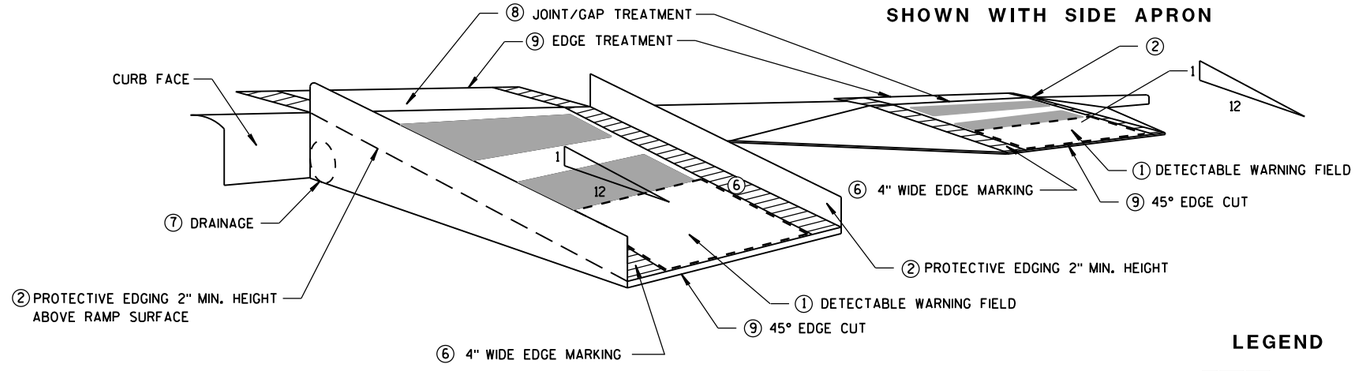
⑧ LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN 1/2" WIDTH.

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

June 2016 — DATE

/S/ Peter Amakobe Atepe — STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER

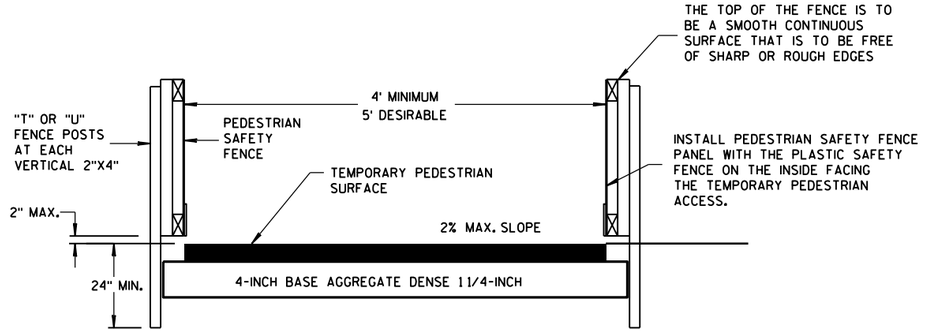
FHWA

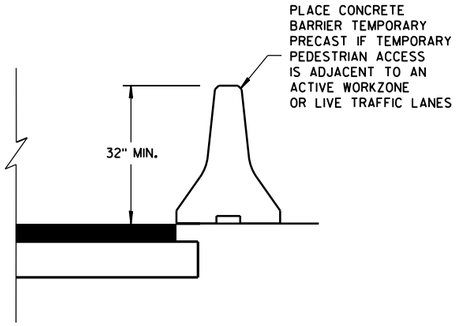
6

S.D.D. 15 D 30-3b

6

S.D.D. 15 D 30-3b

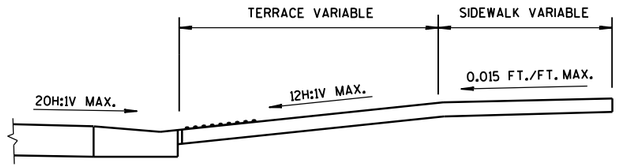




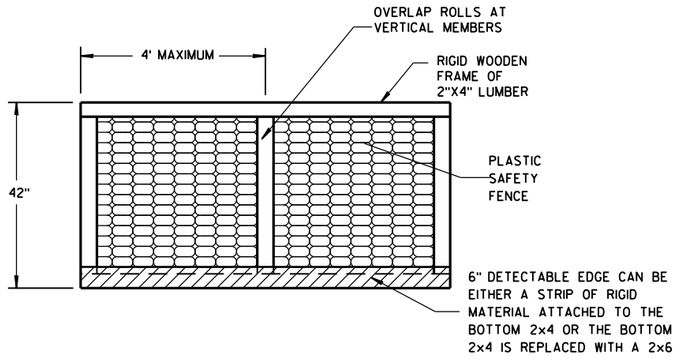
TEMPORARY PEDESTRIAN ACCESS

GENERAL NOTES

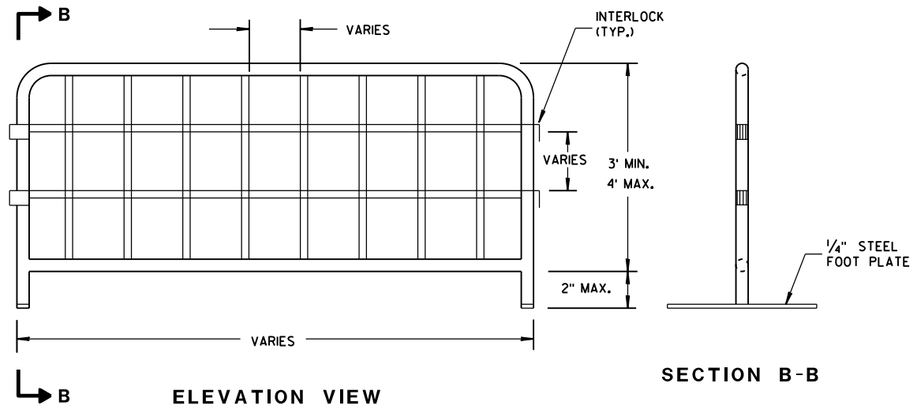
(1) INTERCHANGEABLE WITH THE PEDESTRIAN SAFETY FENCE.



SECTION A-A



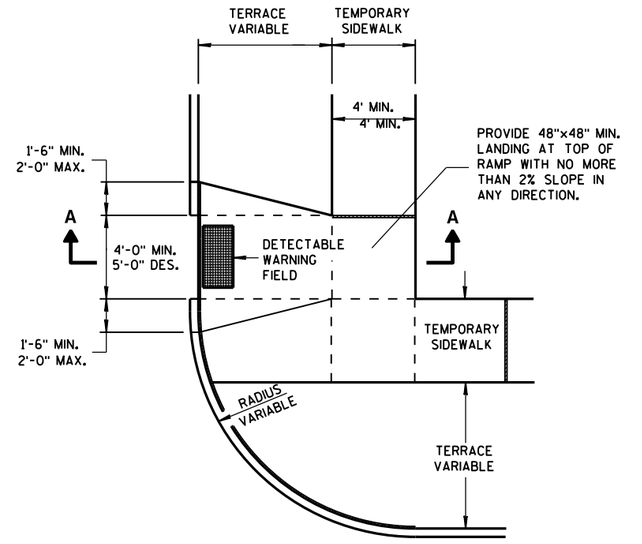
PEDESTRIAN SAFETY FENCE



ELEVATION VIEW

SECTION B-B

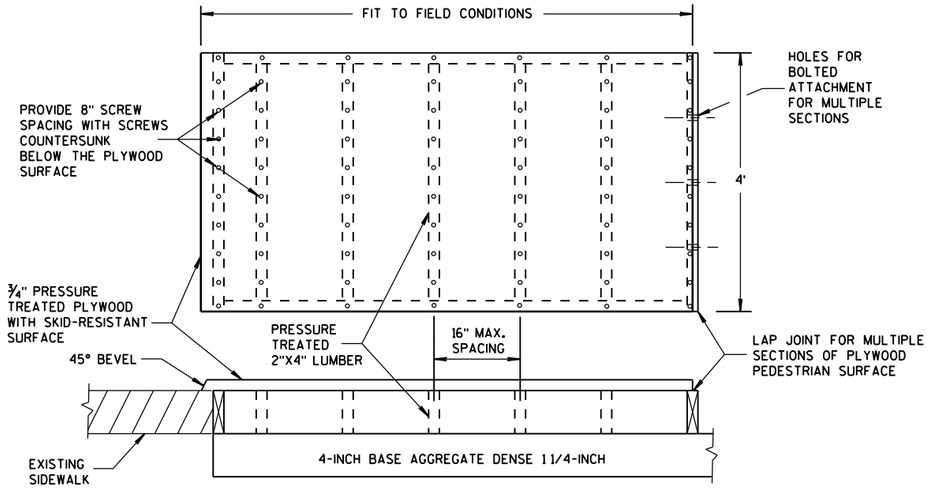
TEMPORARY PEDESTRIAN STEEL BARRICADE (1)



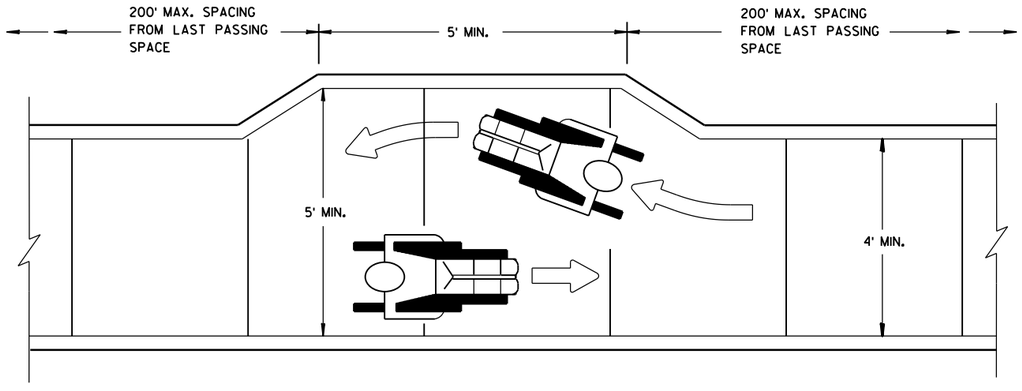
PLAN VIEW

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
June 2016
DATE
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZON IC
SAFETY ENGIN
FHWA

6

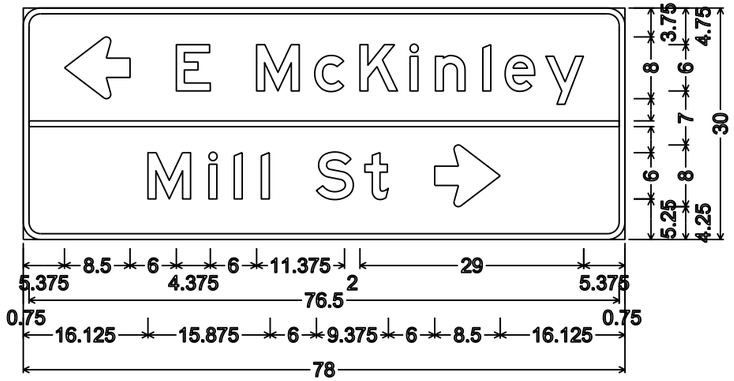
S.D.D. 15 D 30-3c

6

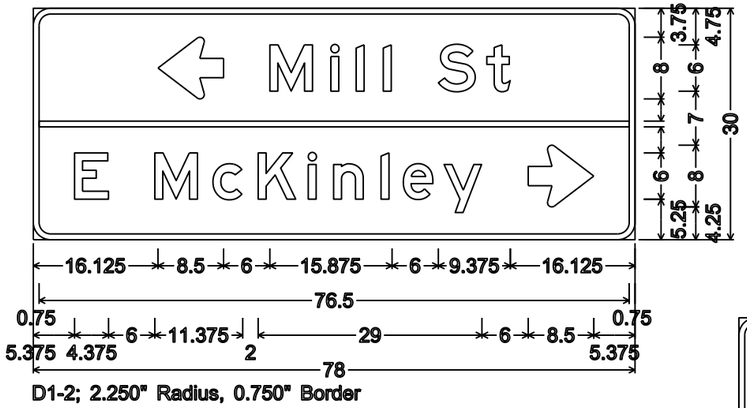
S.D.D. 15 D 30-3c

NOTES

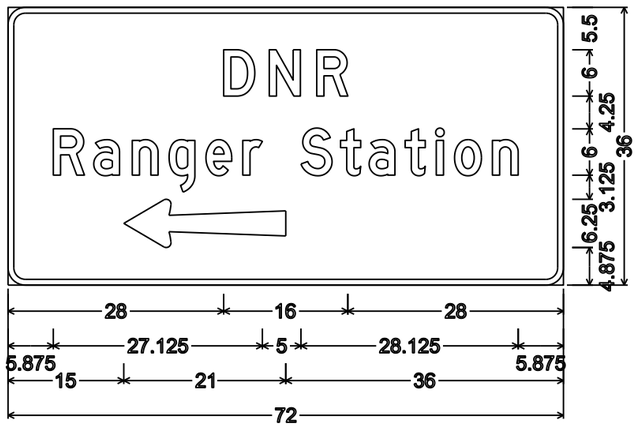
1. All Signs Type II - Type H Reflective
2. Color:
   Background - Green except as noted
   Message - White
3. Message Series - E except as noted



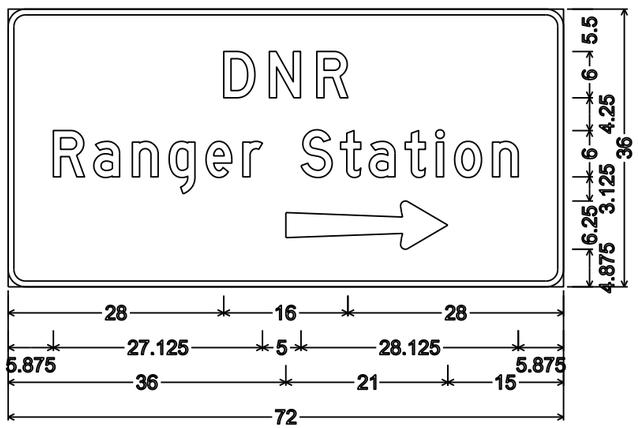
D1-2; 2.250" Radius, 0.750" Border



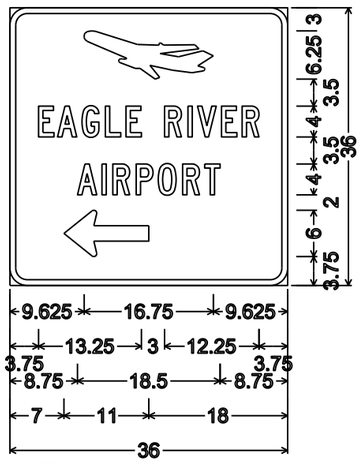
D1-2; 2.250" Radius, 0.750" Border



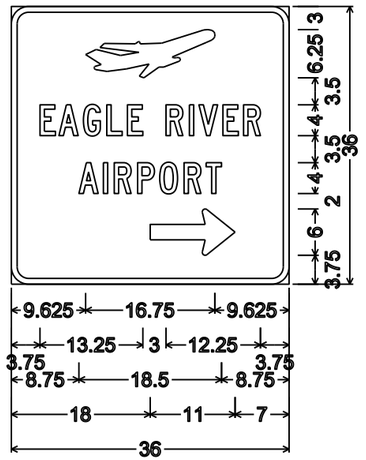
2.250" Radius, 0.750" Border, White on Brown;
"DNR" D; "Ranger"; "Station" D



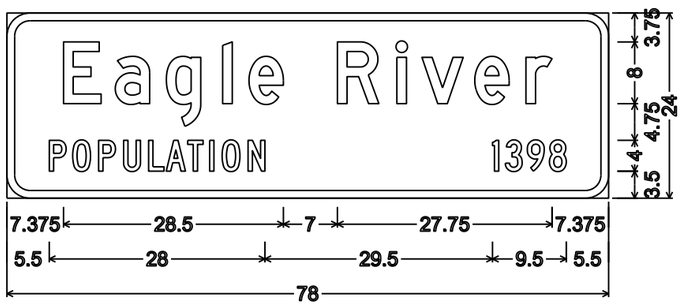
2.250" Radius, 0.750" Border, White on Brown;
"DNR" D; "Ranger" D; "Station" D



D9-52L;
2.250" Radius, 0.750" Border,
Airplane; "EAGLE" C;
"RIVER" C; "AIRPORT" C



D-52R;
2.250" Radius, 0.750" Border,
Airplane; "EAGLE" C;
"RIVER" C; "AIRPORT" C



I2-3; 3.000" Radius, 1.000" Border,
"Eagle" D; "River" D; "POPULATION" C; "1398" C



D7-68L;
2.250" Radius, 0.750" Border, White on Brown;
"Eagle" D; "Lake" D; "County" D; "Park" D



D7-68R;
2.250" Radius, 0.750" Border, White on Brown;
"Eagle" D; "Lake" D; "County" D; "Park" D

7

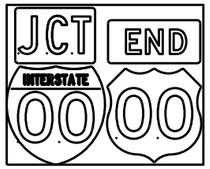
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PROJECT NO: 1601-14-72	HWY: USH 45	COUNTY: VILAS	PERMANENT SIGNING	SHEET NO: 202	E

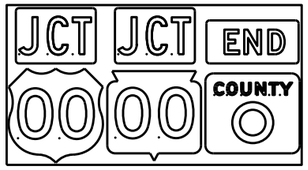
TYPICAL ASSEMBLIES



J1-1



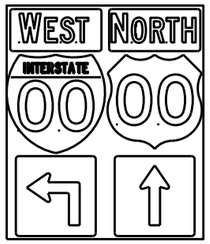
J1-2



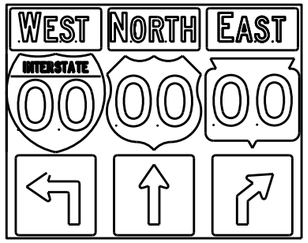
J1-3



J2-1



J2-2

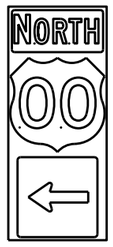


J2-3

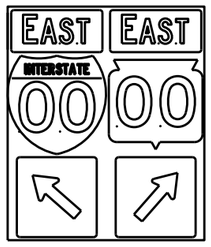


JV

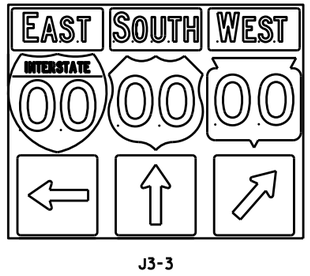
(Typical Vertical J-Assembly
See Note 10 and 11)



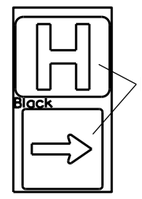
J3-1



J3-2



J3-3

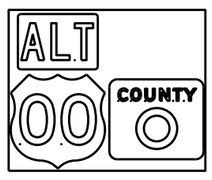


Blue Background

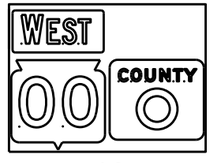
JH-1



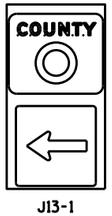
J4-1



J4-2



J4-2



J13-1



J12-1



J32-1



J33-1

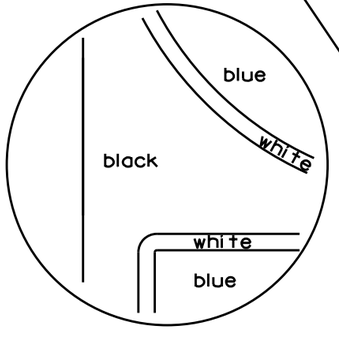


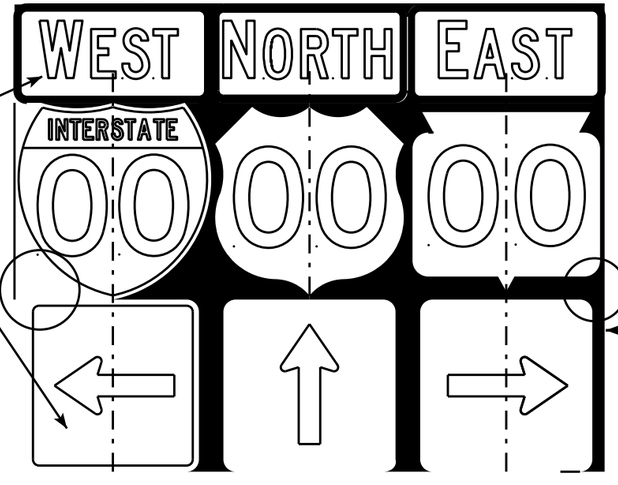
J23-1

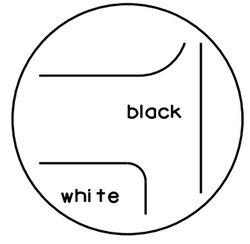


J22-1

[blue background with interstate]







[black background]

NOTES

1. Signs are Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Black Non-reflective
   Message - see Note 5
3. Message Series - See Note 5
4. Corners shall be square or rounded if base material is plywood. If base material is metal the corners shall be rounded.
5. The colors and message spacing on each marker shall be according to the applicable route marker panel specifications.
6. Certain marker heads require the component pieces to be the same color. As an example, all the components used with an M1-1 Interstate marker shall be blue.
7. Single panel j-assemblies shall only be used with route marker shields that are same size. If the route marker shields are different size use multiple piece component.
8. Route assemblies that have 24 inch route shields and have dimensions greater than 48 inches (both vertical and horizontal) shall have one horizontal splice between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 inches or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.
9. Route assemblies that have 36 inch shields and have dimensions greater than 48 inchs (both vertical and horizontal) shall have two horizontal splices. One horizontal splice shall be between the cardinal direction and route shields and the other horizontal splice shall be between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.
10. All Vertical J Assemblies are given a Sign Code of JV
11. For JV Assemblies that have a mixture of Interstate and non Interstate shields, arrows and cardinals shall be white on blue.

ROUTE MARKERS & COMPONENTS
IN TYPICAL ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

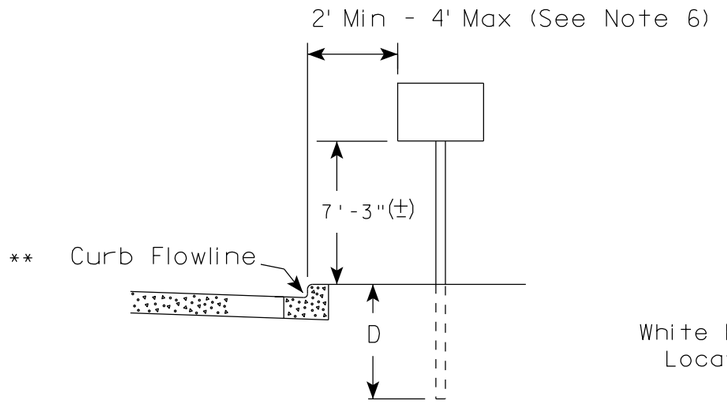
DATE 2/06/14 PL... A2-1S.8

PROJECT NO: | SHEET NO: E

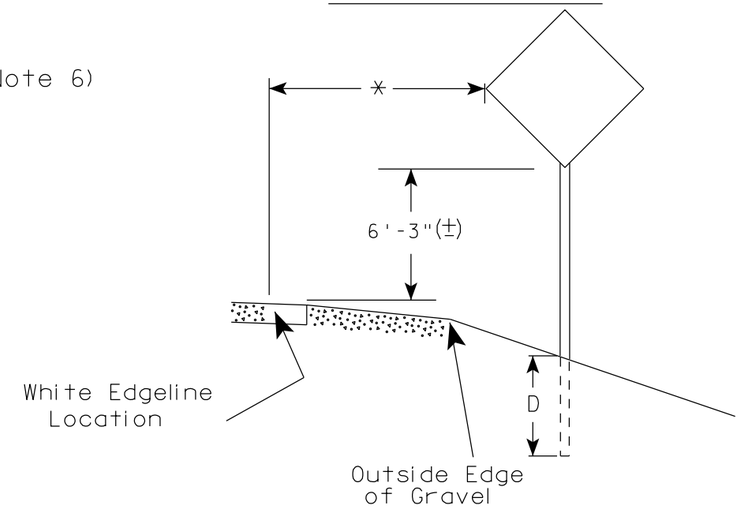
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A21S.DGN PLOT DATE : 06-FEB-2014 14:10 PLOT BY : mscsja PLOT NAME :

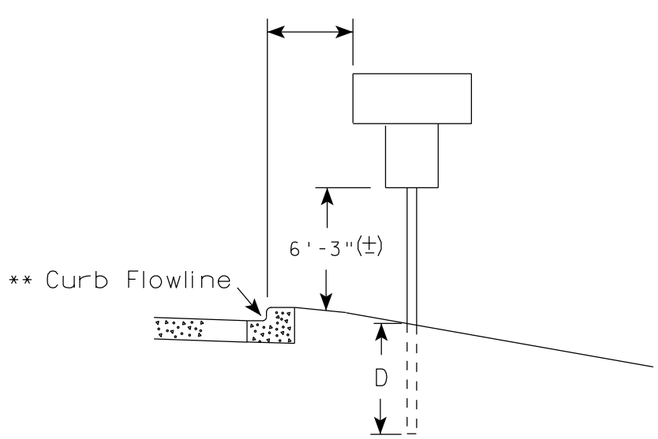
WISDOT/CADDS SHEET 42

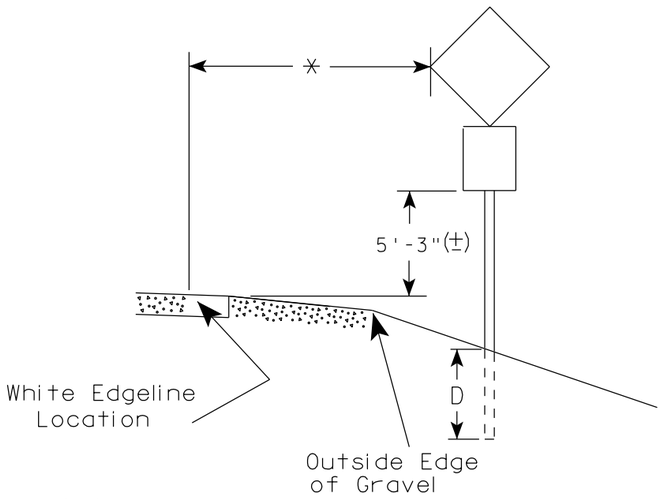
URBAN AREA



RURAL AREA (See Note 2)







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. Minimum mounting height for J assemblies (A2-1S) is 7'-3" (±) or 6'-3" (±) per urban or rural detail respectively.
5. Minimum mounting height for signs mounted on traffic signal poles is 5'- 3" (±).
6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
7. The (±) tolerance for mounting height is 3 inches.
8. Folding signs shall be mounted at a height of 5'-3" (±) or as directd by the Engineer.
9. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Enhanced Reference Markers, Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4'-3" (±).

POST EMBEDMENT DEPTH

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

** 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.

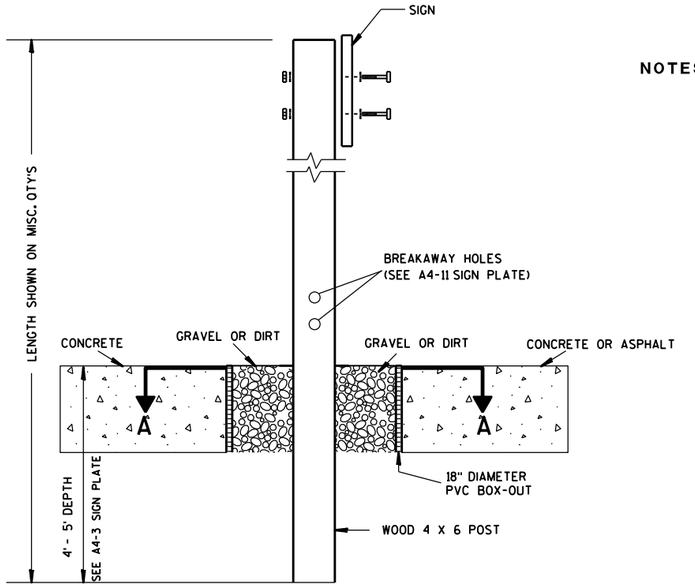
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/23/15 PLATE NO. A4-3.20

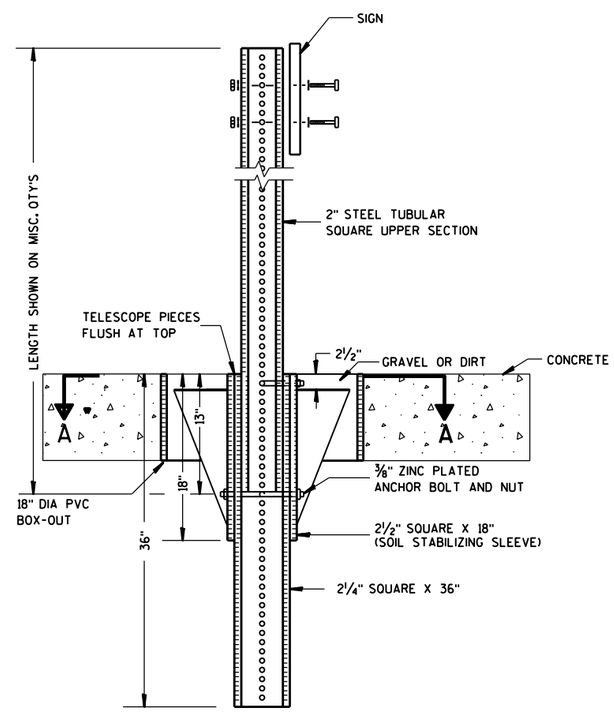
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



ELEVATION VIEW

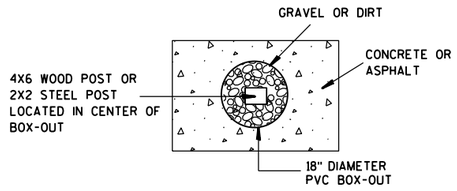
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

NOTES:
1. ALL MATERIAL TO BE APPROVED BY ENGINEER PRIOR TO INSTALLATION
2. SEE SIGN PLATE A4-8 FOR SIGN HARDWARE REQUIREMENTS
3. 18 INCH X 18 INCH SQUARE BOX-OUTS MAY BE USED FOR INSTALLATIONS IN EXISTING CONCRETE OR ASPHALT LOCATIONS.



ELEVATION VIEW

DETAIL OF STEEL 2 X 2 SIGN POST IN BOX-OUT



PLAN VIEW

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST BOX-OUTS A4-3B

WISCONSIN DEPT OF TRANSPORTATION

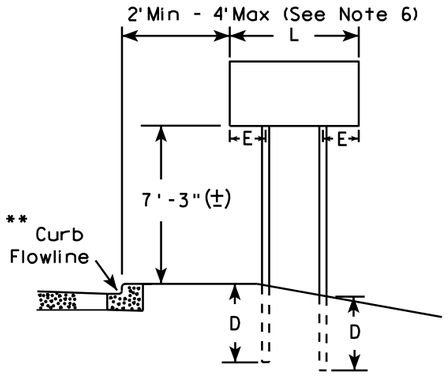
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/27/14 PLATE NO. A4-3B.1

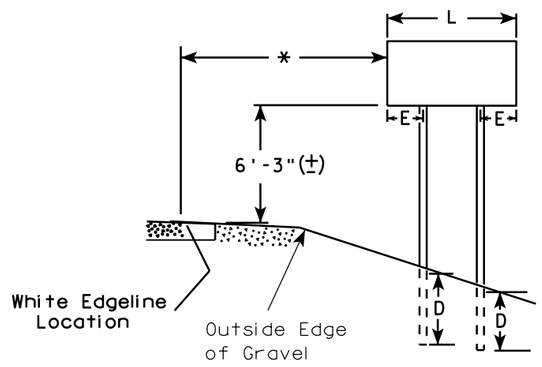
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

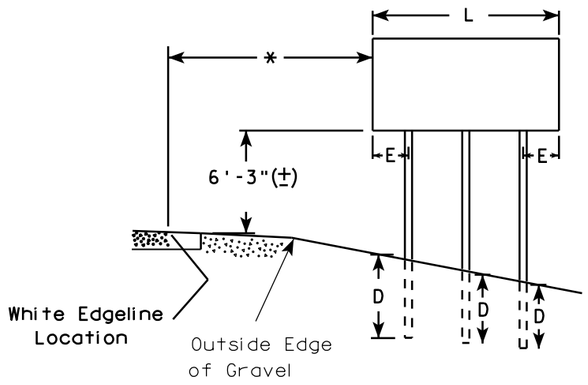
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN PLOT DATE : 27-JAN-2014 09:48 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000 WISDOT/CADDS SHEET 42

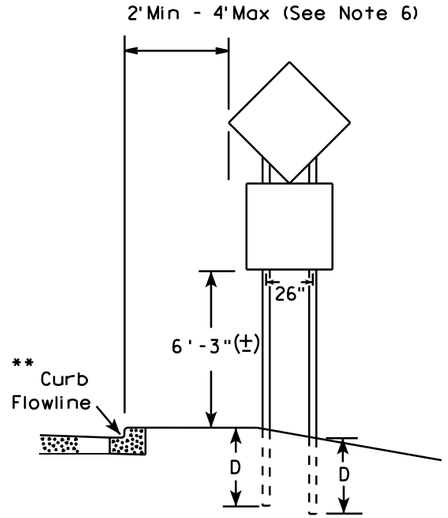
URBAN AREA



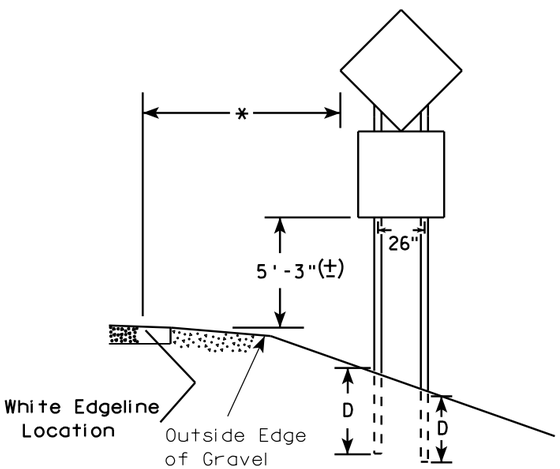
RURAL AREA (See Note 3)







48" DIAMOND WARNING SIGN



48" DIAMOND WARNING SIGN

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

SIGN SHAPE OTHER THAN DIAMOND (THREE POSTS REQUIRED)	
L	E
Greater than 120" less than 168"	12"

SIGN SHAPE OTHER THAN DIAMOND (FOUR POSTS REQUIRED)	
L	E
168" and greater	12"

GENERAL NOTES

1. For 3 or 4 post installations, individual post spacing shall be greater than 3'-6".
2. See tables below for required number of posts.
3. For expressways and freeways, mounting height is 7'-3" (±) or 6'-3" (±) depending upon existence of sub-sign.
4. The (±) tolerance for mounting height is 3 inches.
5. Minimum mounting height for J assemblies (A2-1S) is 7'-3" (±) or 6'-3" (±) per urban or rural detail respectively.
6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
7. Folding signs shall be mounted at a height of 5'-3" (±) or as directed by the engineer.
8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4"-3" (±).

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

*** See A4-3 sign plate for signs 4' or less in width 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

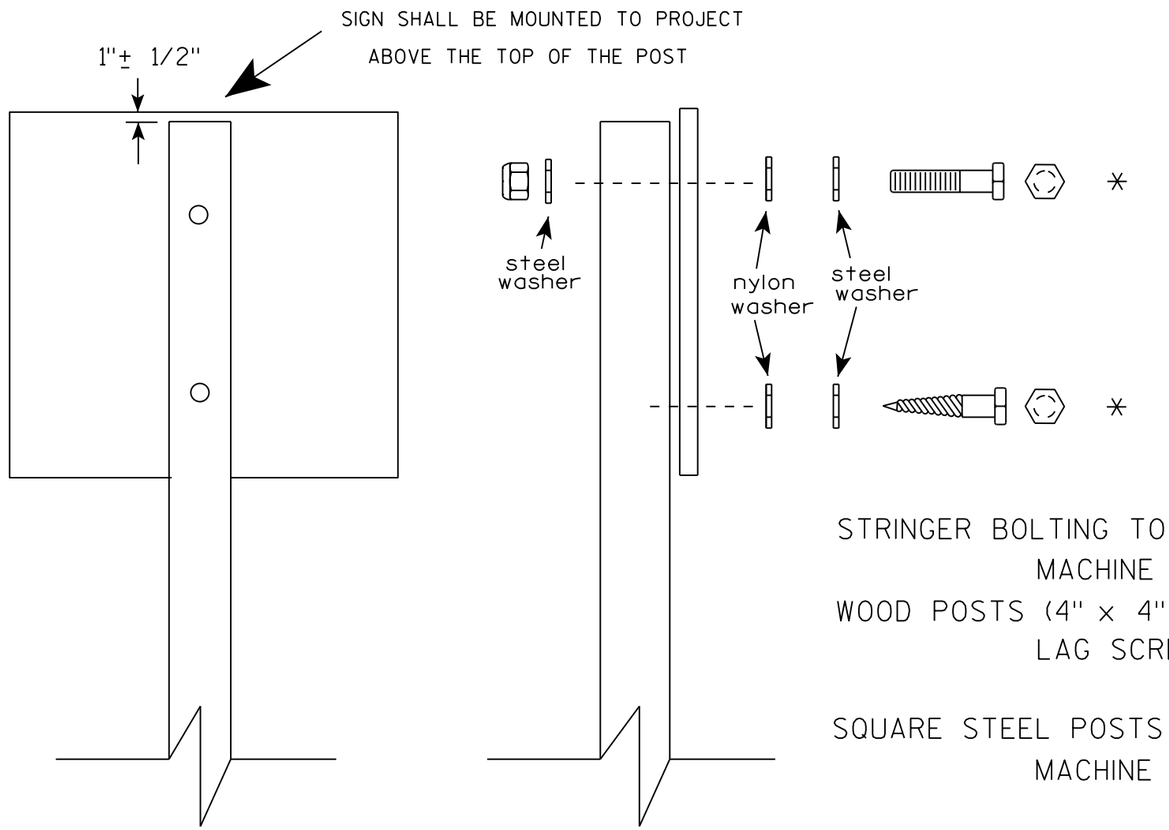
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/23/15 PLATE NO. A4-4 206 14

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A44.DGN PLOT DATE : 23-JUL-2015 15:23 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 107.021305:1.000000

WISDOT/CADDS SHEET 42



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

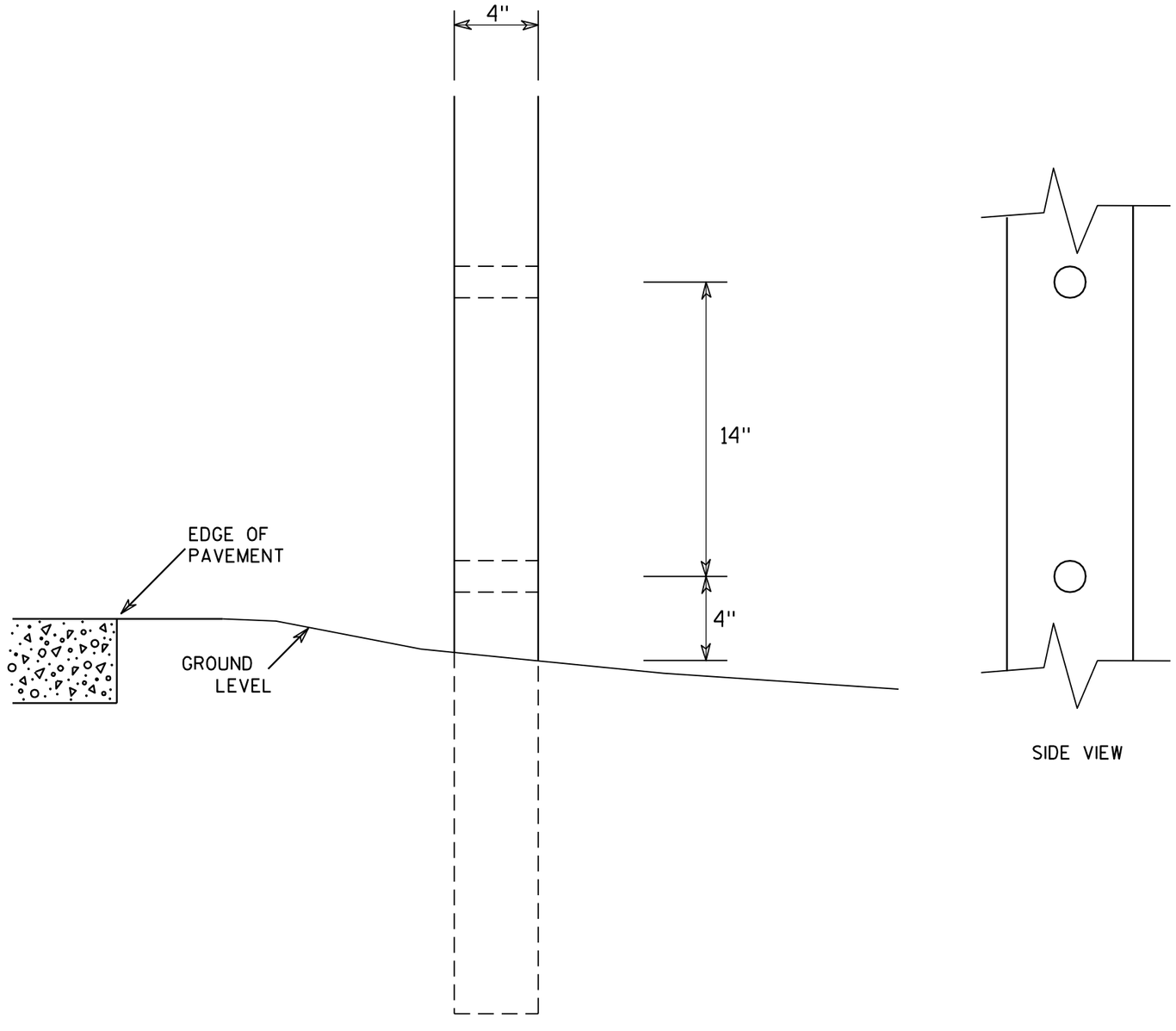
WISCONSIN DEPT OF TRANSPORTATION

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 : $$ plotuser $$



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

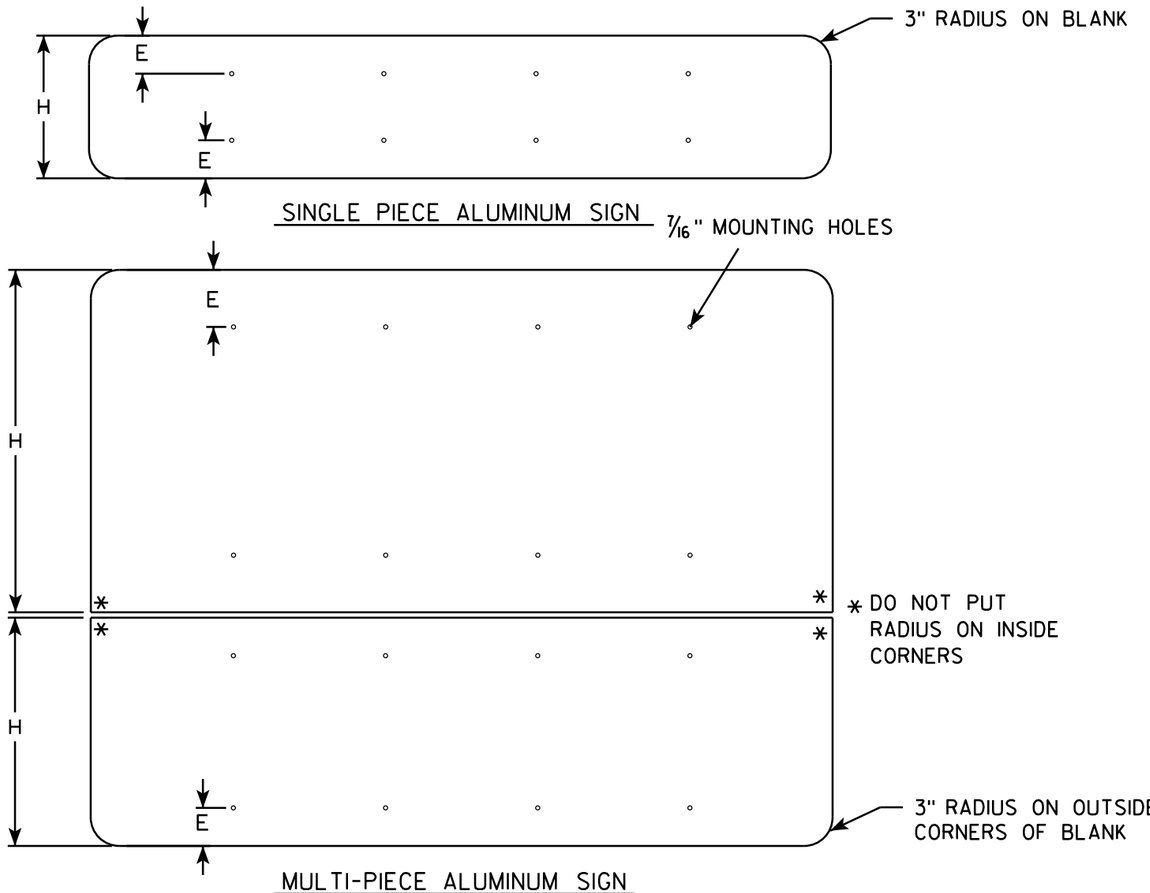
4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spang
for State Traffic Engineer

DATE 3/27/97 PLATE NO. A4-11.2

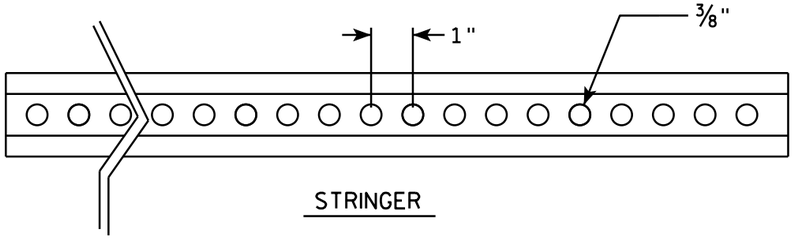
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 208	E



GENERAL NOTES

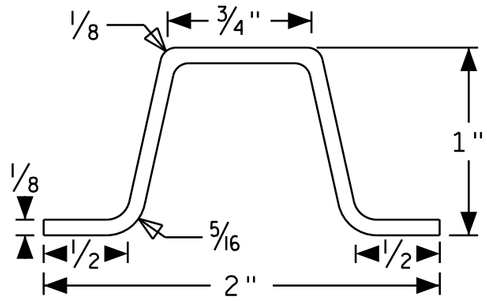
- ALL SIGNS OVER 60" IN WIDTH SHALL HAVE A 3" RADIUS ON THE OUTSIDE CORNERS OF THE ALUMINUM BLANK.
- MOUNTING HOLES SHALL BE 7/16" DIAMETER.
- SEE CHART FOR HOLE SPACING REQUIREMENTS
- FOR SIGN PANELS WITH DIMENSION (H) 36" AND OVER, DIMENSION E SHALL BE 6"
- FOR SIGN PANELS WITH DIMENSION (H) UNDER 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"

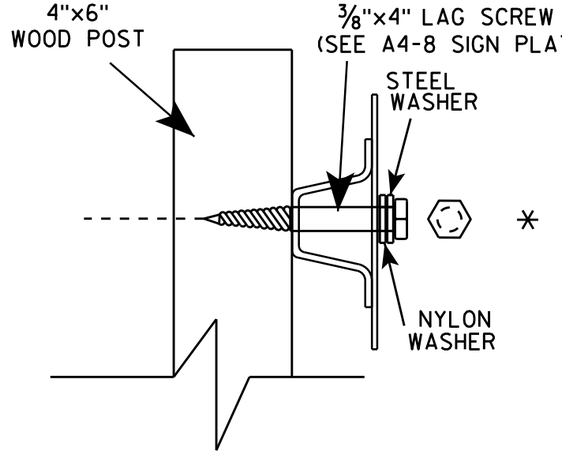


STRINGER

CROSS SECTION VIEW OF CHANNEL



POST MOUNTING



SIGN STRINGER MOUNTING REQUIREMENTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

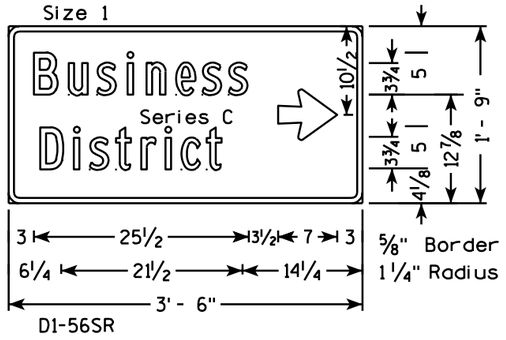
for State Traffic Engineer

DATE 4/26/16 PLATE NO A4-18.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

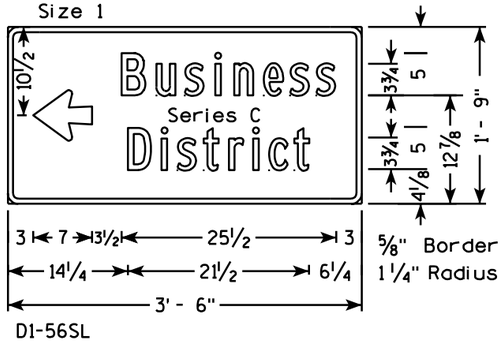
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Size 1



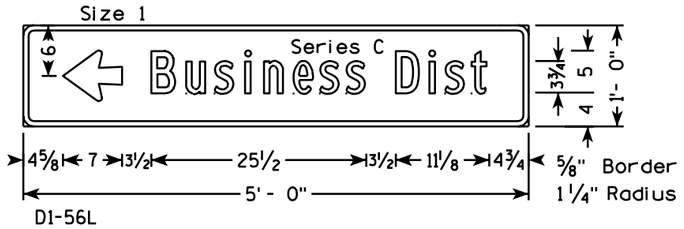
D1-56SR

Size 1



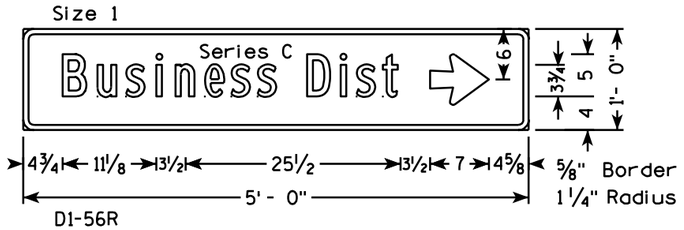
D1-56SL

Size 1



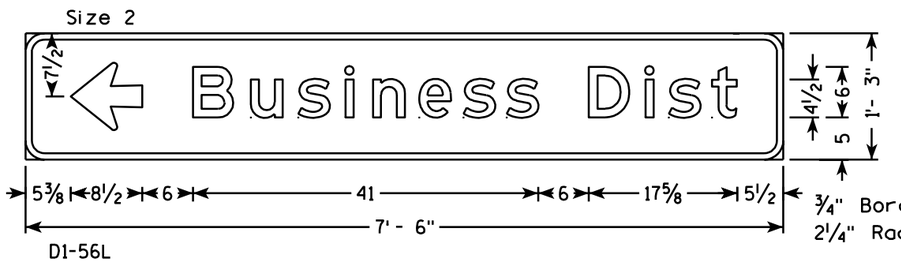
D1-56L

Size 1



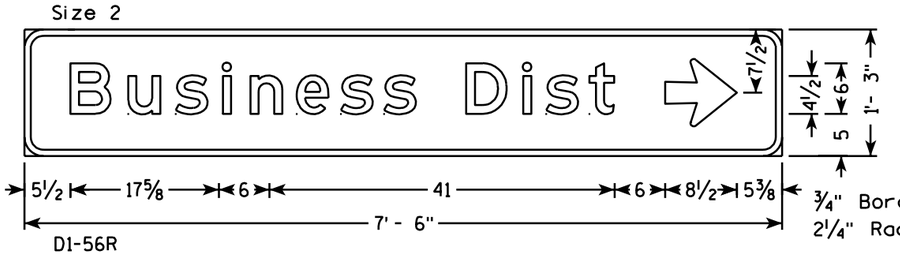
D1-56R

Size 2



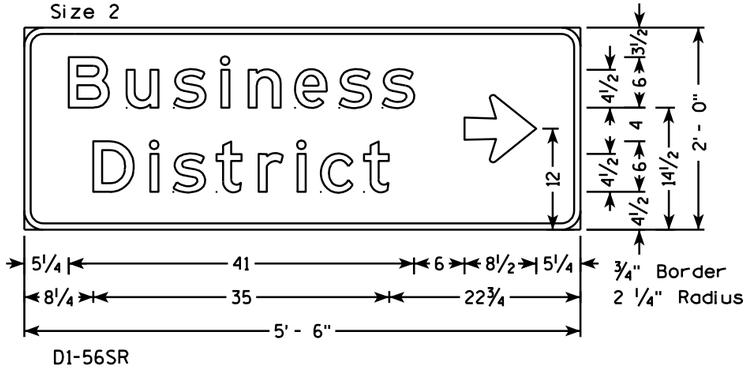
D1-56L

Size 2



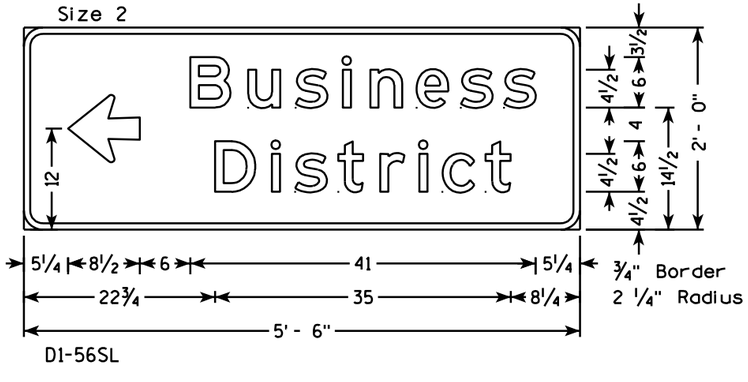
D1-56R

Size 2



D1-56SR

Size 2



D1-56SL

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Green
   Message - White
3. Message Series - E except as noted
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.

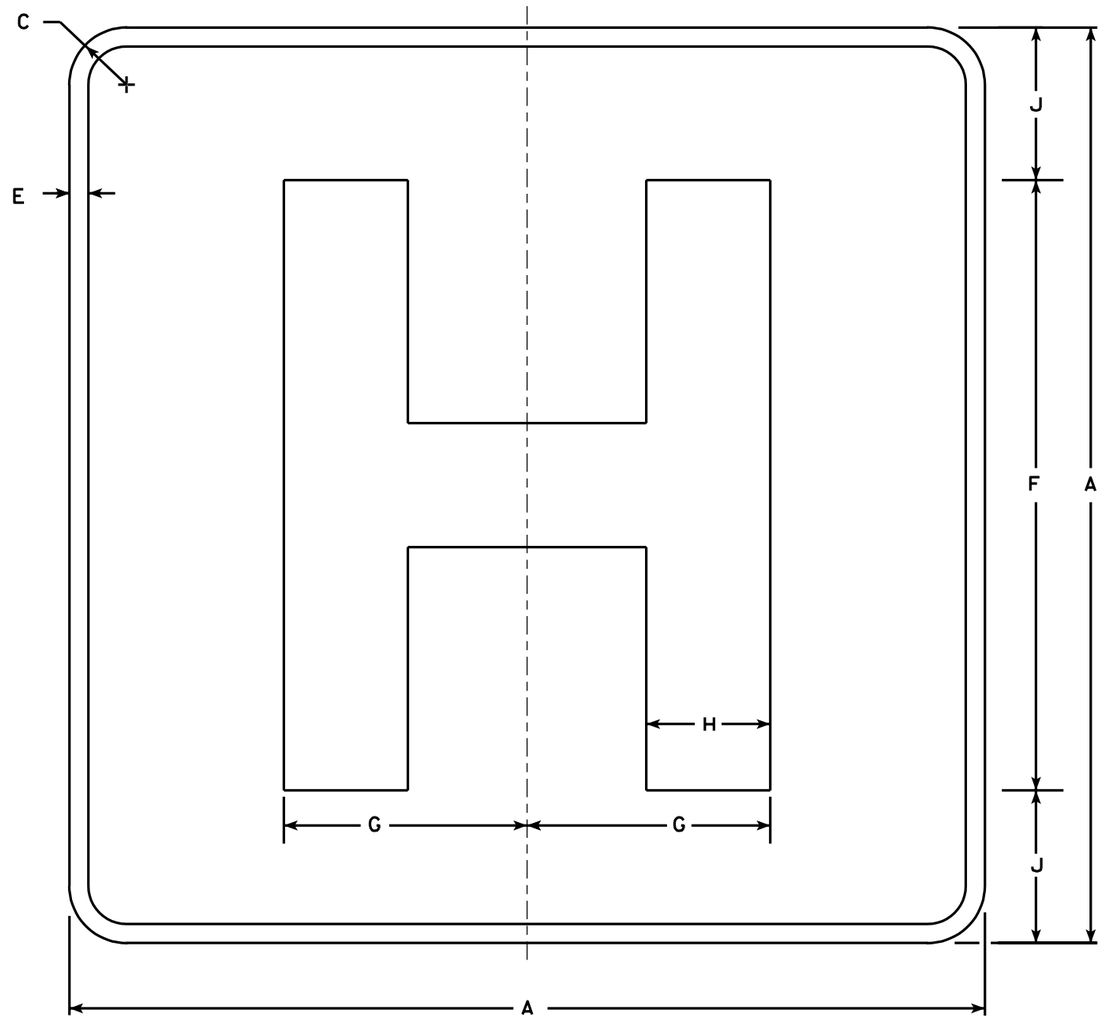
TYPICAL STANDARD
D1-56L & R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/19/08 PLATE NO. D1-56.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 210	E



D9-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Blue
   Message - White - Type H Reflective
3. Message Series - E Modified
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

Metric equivalent for this sign is:

SIZE	
1	450 mmX 450 mm
2	600 mmX 600 mm
3	900 mmX 900 mm
4	X
5	X

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18		1 1/8		1/2	12	4 3/4	2 3/8		3																	4.0
2	24		1 1/2		1/2	16	6 3/8	3 1/4		4																	4.0
3	36		2 1/4		3/4	24	9 1/2	4 7/8		6																	9.0
4																											
5																											

STANDARD SIGN
D9-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spong for State Traffic Engineer

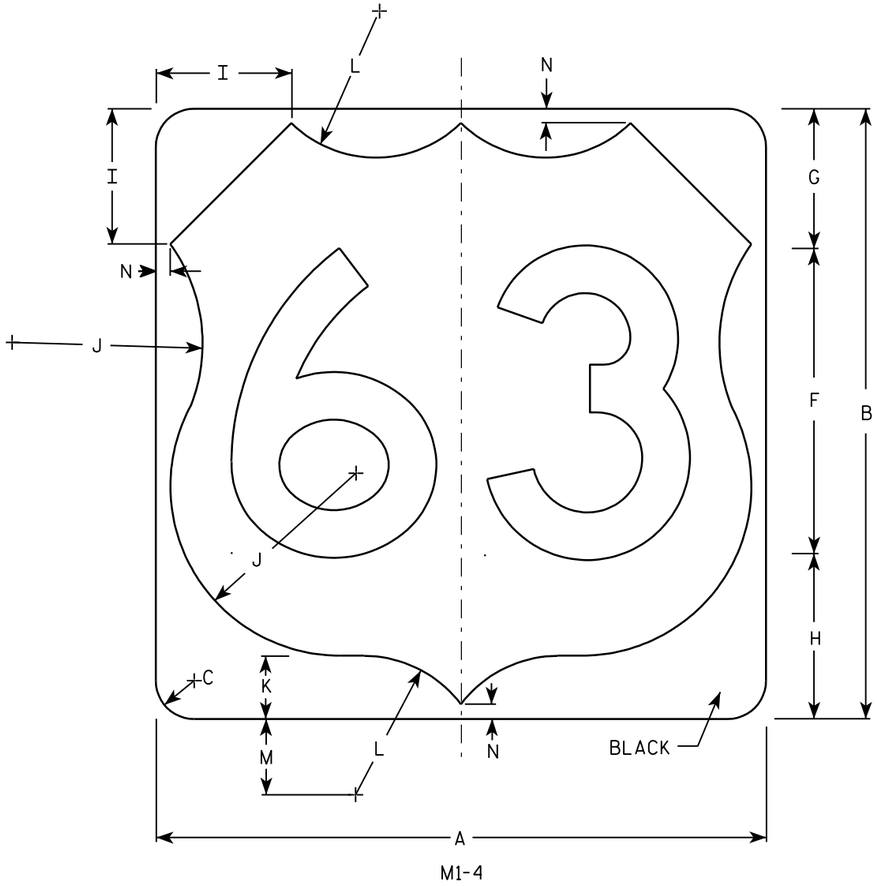
DATE 1/15/02 PLATE NO. D9-2.4

PROJECT NO:

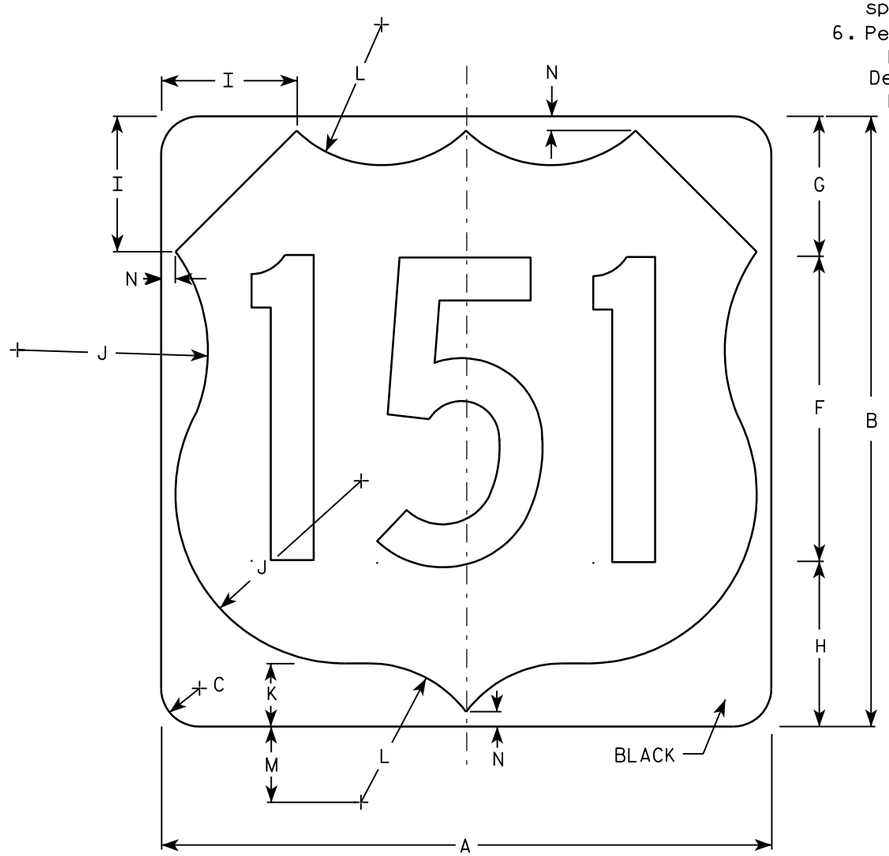
SHEET NO: 211 E

NOTES

1. Sign is Type II - See Note 6 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White & Black - See Note 6
   Message - Black
3. Message Series - See note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals and adjust spacing as per Plate A10-1.
6. Permanent Signs
   Background - Type H Reflective
   Detour or other temporary signs
   Background - Reflective



M1-4



M1-4

Metric equivalent for this sign is:

SIZE	
1	
2	600 mm X 600 mm
3	900 mm X 900 mm
4	900 mm X 900 mm
5	900 mm X 900 mm

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1																												
2	24	24	1 ½			12	5 ½	6 ½	5	7 ½	2 ½	5 ½	3	½													4.0	.36
3	36	36	2 ¼			18	8 ¼	9 ¼	7 ¼	11 ¼	3 ¾	8 ¼	4 ½	¾													9.0	.81
4	36	36	2 ¼			18	8 ¼	9 ¼	7 ¼	11 ¼	3 ¾	8 ¼	4 ½	¾													9.0	.81
5	36	36	2 ¼			18	8 ¼	9 ¼	7 ¼	11 ¼	3 ¾	8 ¼	4 ½	¾													9.0	.81

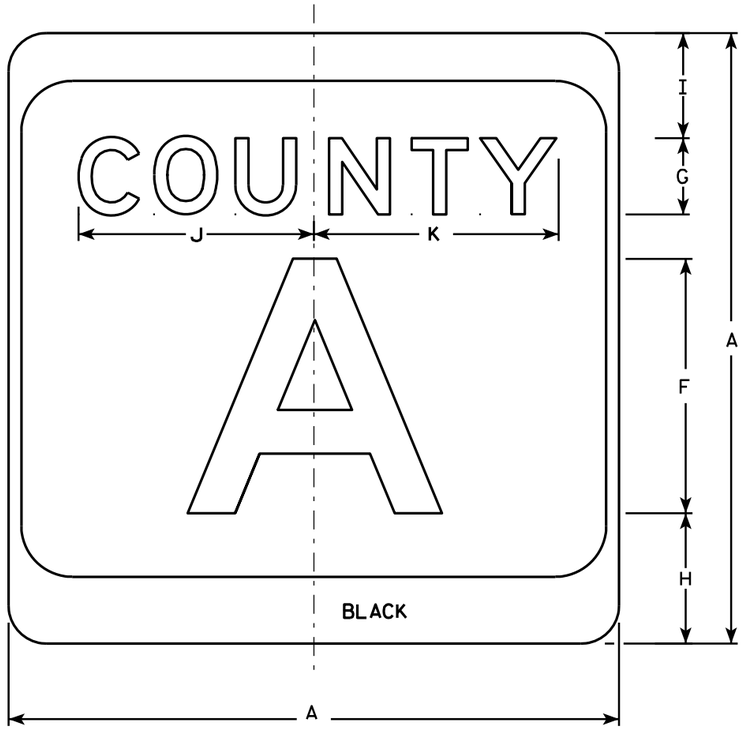
USH MARKER
M1-4 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

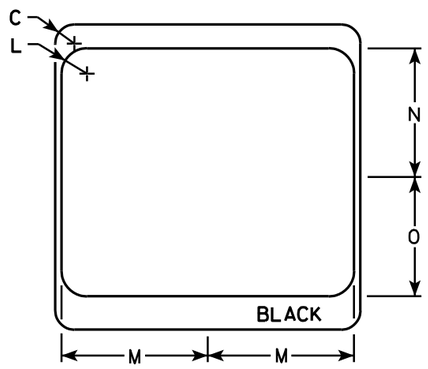
APPROVED Matthew R Rauch
for State Traffic Engineer

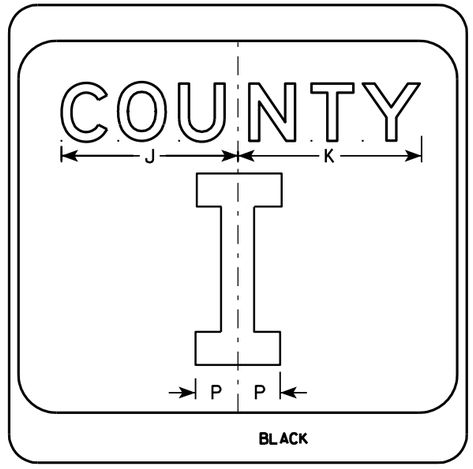
DATE 08/25/05 PLATE NO. M1-4.9

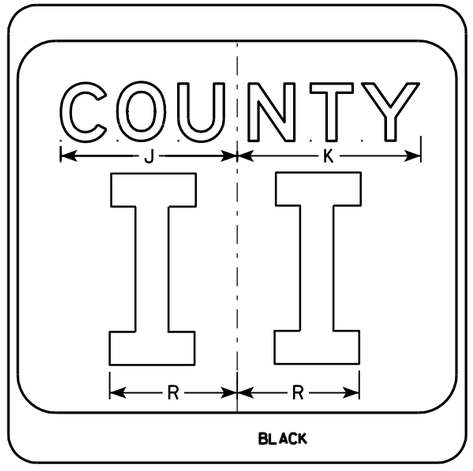
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 212 | E



M1-5A







NOTES

1. Sign is Type II - see Note 7 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White & Black - See Note 7
   Message - Black
3. Message Series - see Note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Message Series E for 1 letter.
   Message Series D for 2 letters unless message is too big then Series C.
   Message Series C for 3 letters unless message is too big then Series B.
6. Substitute appropriate letters & optically center to achieve proper balance.
7. Permanent Signs
   Background - Type H Reflective
   Detour or temporary Signs
   Background - Reflective

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			10	3	5 1/8	4 1/8	9 1/4	9 5/8	2	11 1/2	10 1/8	9 3/8	2 1/4		6 5/8									4.0
3	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
4	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
5	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0

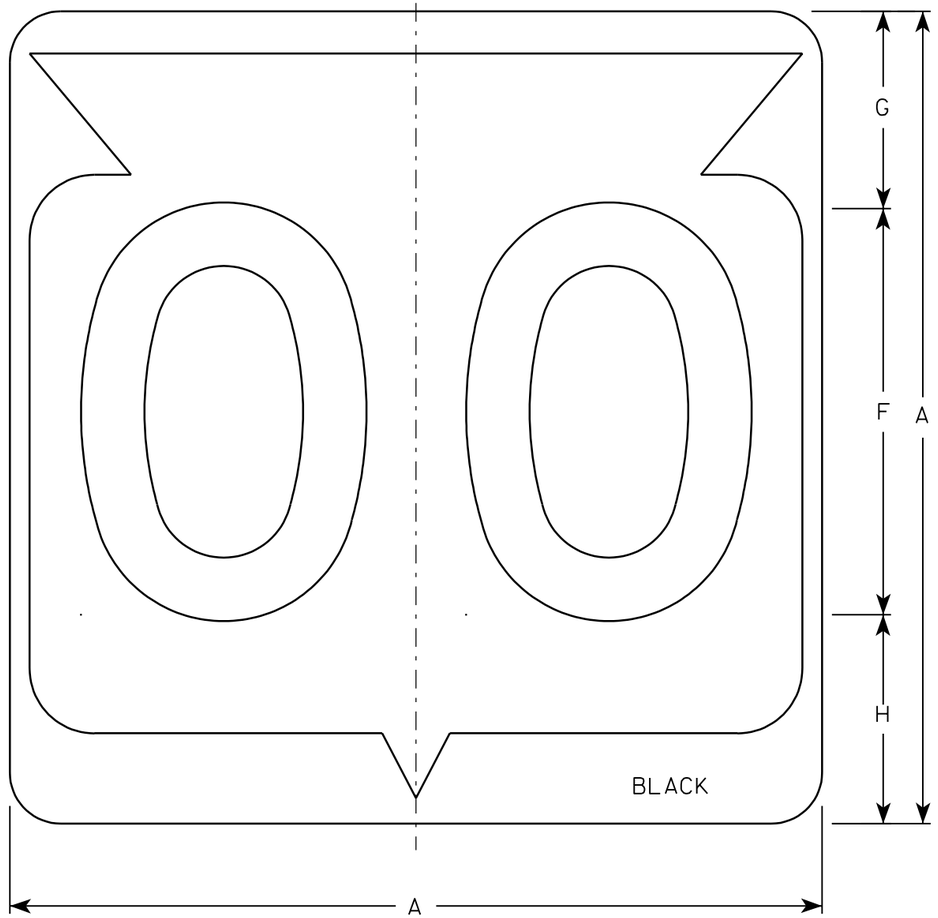
CTH MARKER
M1-5A FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

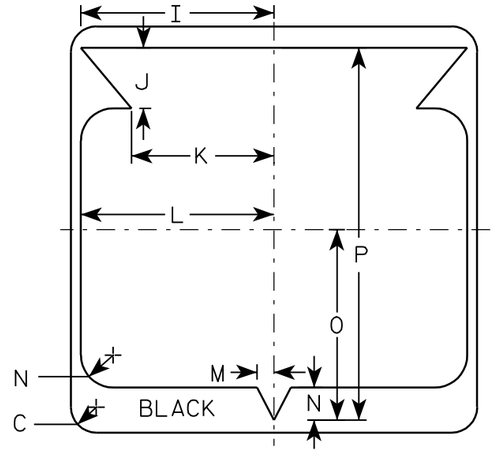
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 213	E



M1-6

NOTES

1. Sign is Type II - See Note 6 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White & Black - See Note 6
   Message - Black
3. Message Series - See note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate Series numerals and adjust spacing as per plate A10-1.
6. Permanent Signs
   Background - Type H Reflective
   Detour or temporary Signs
   Background - Reflective



Metric equivalent for this sign is:

SIZE	
1	
2	600 mm X 600 mm
3	900 mm X 900 mm
4	900 mm X 900 mm
5	900 mm X 900 mm

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1																												
2	24		1 1/2			12	5 1/2	6 1/2	10 1/4	2 1/2	8 7/8	11 1/2	1	1 7/8	11 1/4	21 7/8											4.0	.36
3	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0	.81
4	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0	.81
5	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0	.81

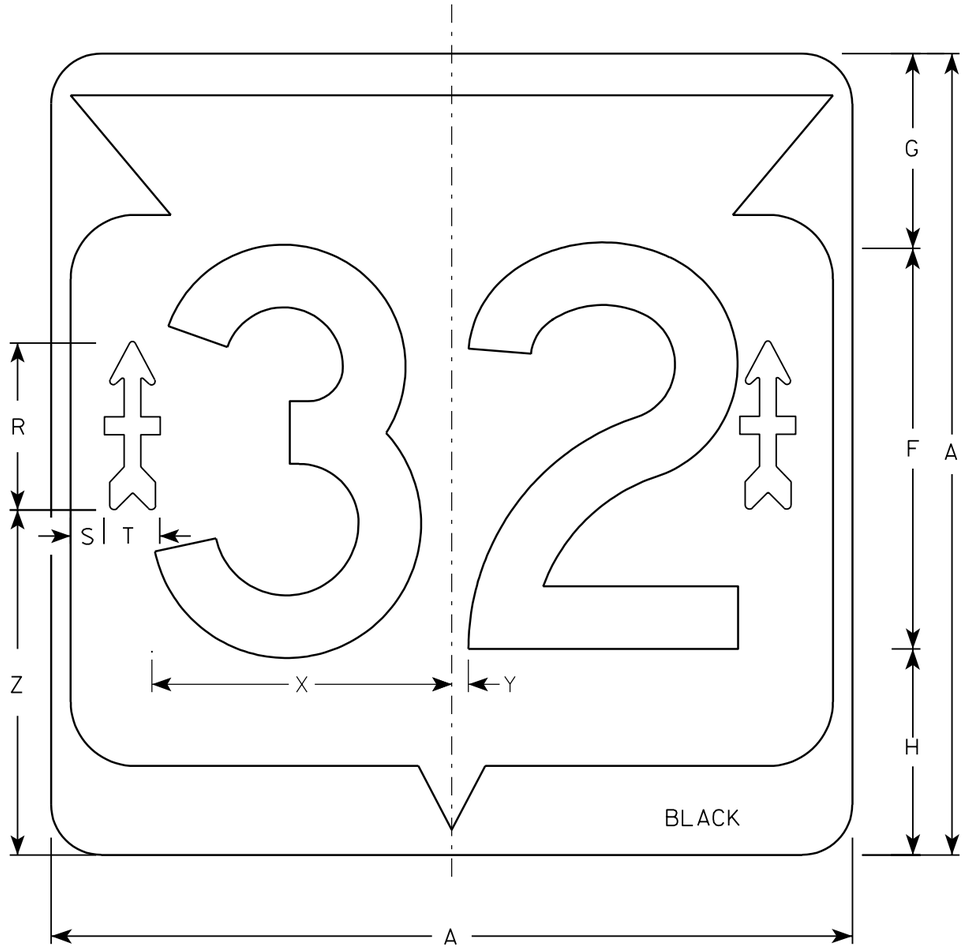
STATE ROUTE MARKER M1-6 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spang for State Traffic Engineer

DATE 3/20/02 PLATE NO. M1-6.9

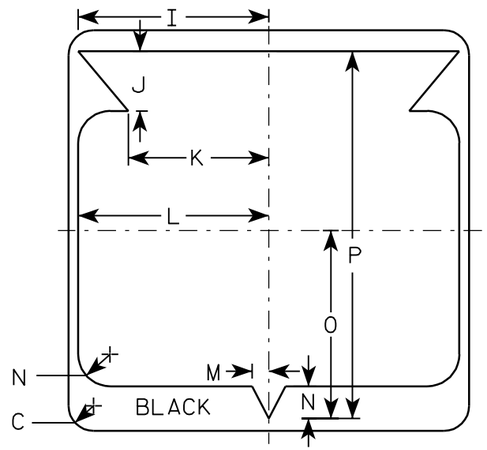
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 214	E



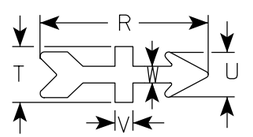
M1-6B

NOTES

1. Sign is Type II - Type H - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White & Black
   Message - Black
   Arrow - Type H Reflective Red
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.



32nd DIVISION ARROW
ACTUAL SIZE



Metric equivalent for this sign is:

SIZE	
1	
2	600 mm X 600 mm
3	900 mm X 900 mm
4	900 mm X 900 mm
5	900 mm X 900 mm

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1																												
2	24		1 1/2			12	5 1/2	6 1/2	10 1/4	2 1/2	8 7/8	11 1/2	1	1 7/8	11 1/4	21 7/8		5 1/8	3/4	1 7/8	1 1/2	5/8	5/8	9	1/2	10 1/2	4.0	.36
3	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33		7 1/2	1 1/2	2 1/2	2	7/8	3/4	13 1/2	3/4	15 1/2	9.0	.81
4	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33		7 1/2	1 1/2	2 1/2	2	7/8	3/4	13 1/2	3/4	15 1/2	9.0	.81
5	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33		7 1/2	1 1/2	2 1/2	2	7/8	3/4	13 1/2	3/4	15 1/2	9.0	.81

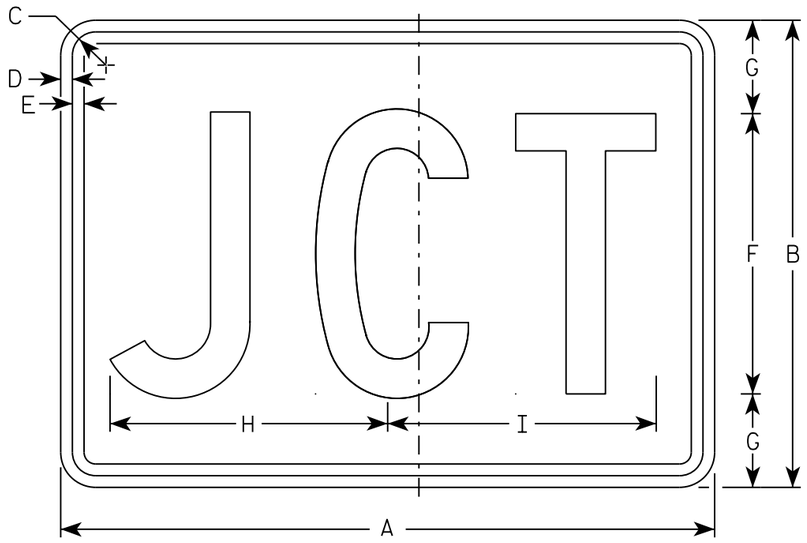
STATE ROUTE MARKER "32"
M1-6B FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

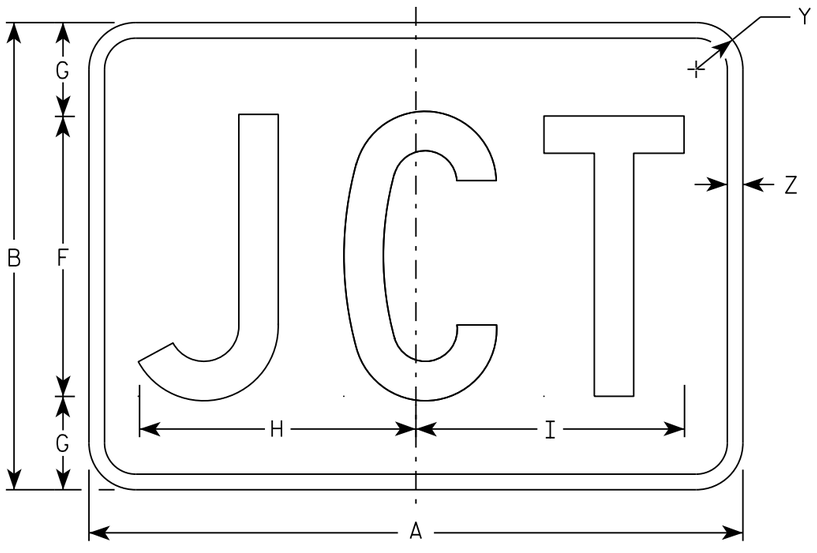
APPROVED Matthew R Rauch for State Traffic Engineer

DATE 12/5/05 PLATE NO. M1-6B.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 215	E



M2-1
MM2-1
MP2-1



MB2-1
MK2-1
MN2-1
MR2-1

NOTES

1. Sign is Type II - Type H
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M2-1 Background - White
   Message - Black
   MB2-1 Background - Blue
   Message - White
   MK2-1 Background - Green
   Message - White
   MM2-1 Background - White
   Message - Green
   MN2-1 Background - Brown
   Message - White
   MP2-1 Background - White
   Message - Blue
   MR2-1 Background - Brown
   Message - Yellow

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21	15	1 1/8	3/8	3/8	9	3	8 7/8	8 5/8																1 1/2	1/2	2.20
3	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40
4	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40
5	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40

STANDARD SIGN
M2-1

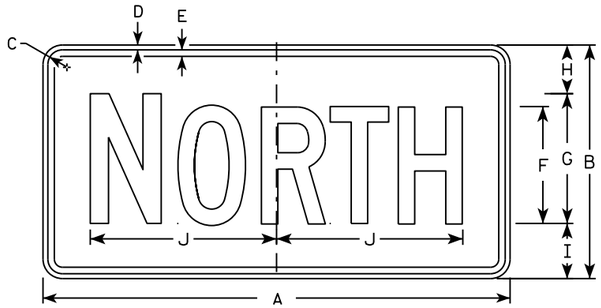
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

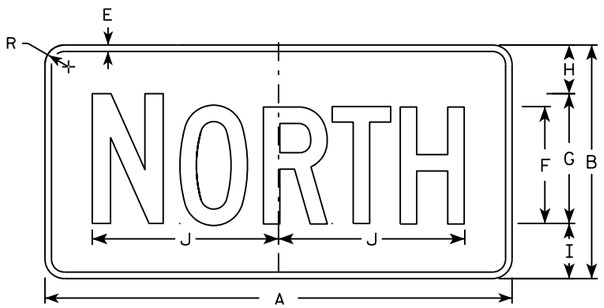
DATE 10/15/15 PLATE 216 12-1.12

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M21.DGN PLOT DATE : 01-DEC-2015 17:54 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 4.864603:1.000000



M3-1
MM3-1
MP3-1



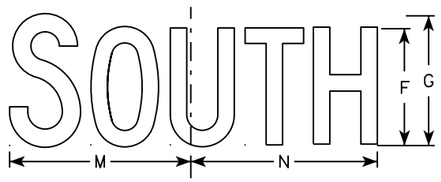
MB3-1
MK3-1
MN3-1



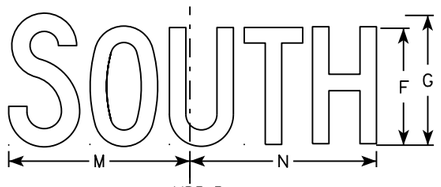
M3-2
MM3-2
MP3-2



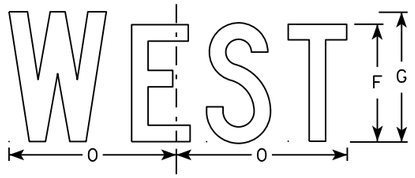
MB3-2
MK3-2
MN3-2



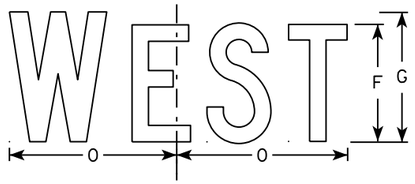
M3-3
MM3-3
MP3-3



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

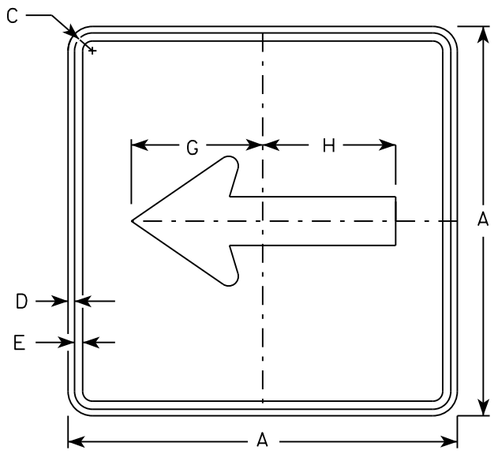
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew P Rauch for State Traffic Engineer

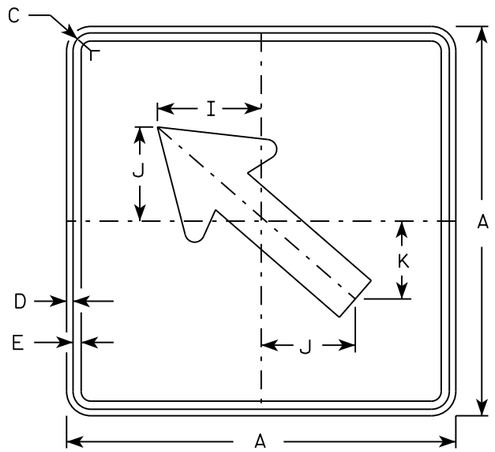
DATE 10/15/15 PLATE NO M3-1.14

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



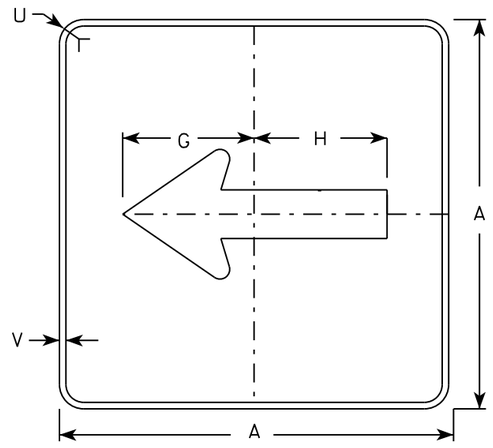
M6-1
MM6-1
MO6-1
MP6-1



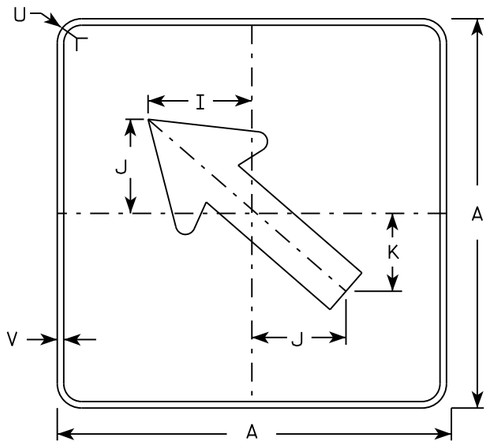
M6-2
MM6-2
MO6-2
MP6-2

NOTES

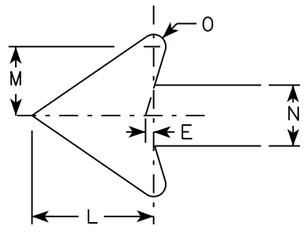
1. Signs are Type II - Type H except as Shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-1 and M6-2 Background - 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

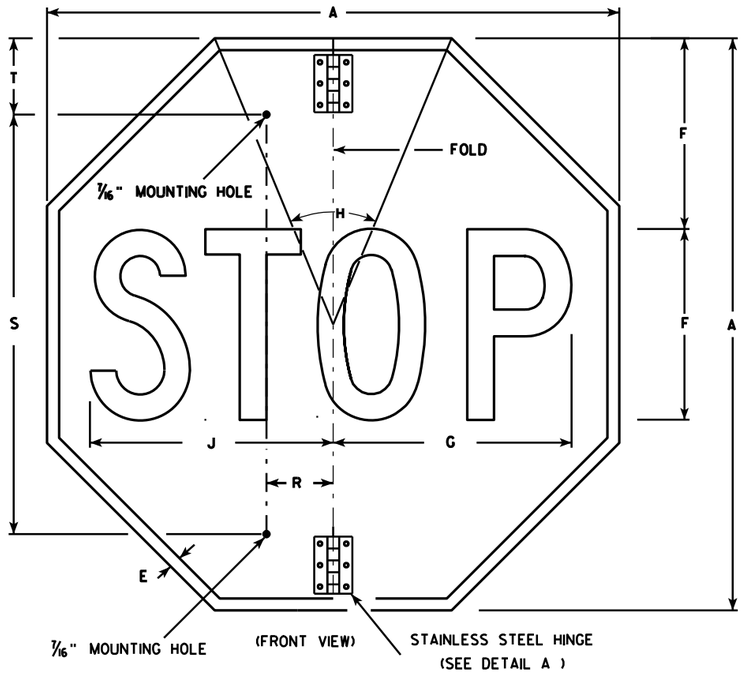
WISCONSIN DEPT OF TRANSPORTATION

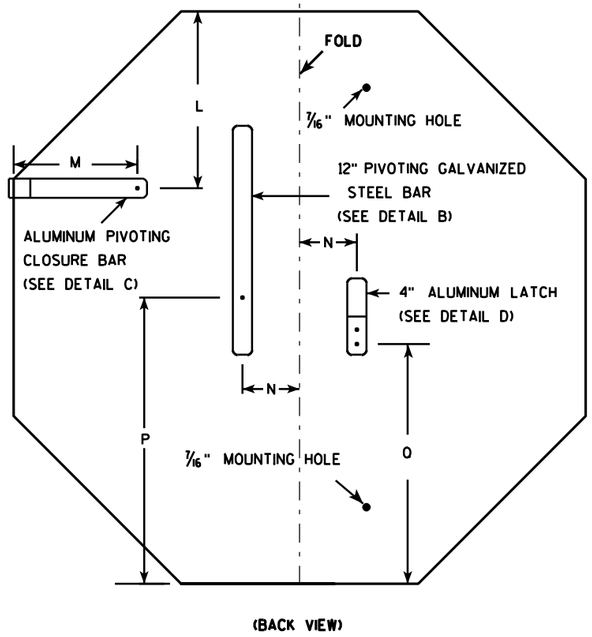
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/15/15 PLATE 218 M6-1.15

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

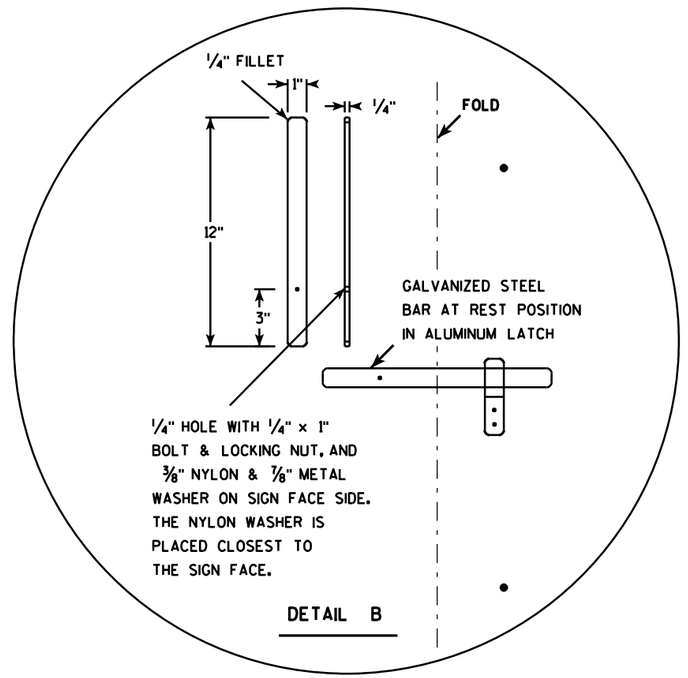
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M61.DGN PLOT DATE : 01-DEC-2015 17:57 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000

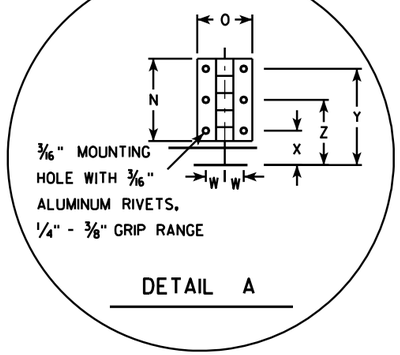


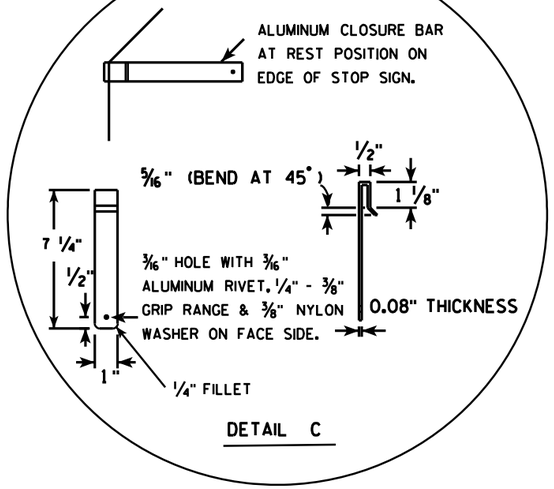


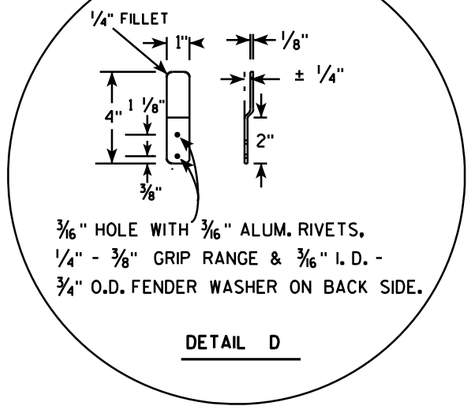
NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
   Message - White
3. Message Series - C
4. All hardware used on the folding STOP sign installation shall conform to 637.2.4 of the WIS DOT Standard Specification.









SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30				5/8	10	12 1/2	45		12 3/4		9 1/4	6 1/2	3	2	15	12 3/8	2 1/2	22	5			11/16	1 1/4	3 1/2	2 3/8	5.18
2M	36				3/4	12	15	45		15 3/8		11	6 1/2	3	2	18	15 3/8	2 1/2	26	5			11/16	1 1/4	3 1/2	2 3/8	7.46
3	36				3/4	12	15	45		15 3/8		11	6 1/2	3	2	18	15 3/8	2 1/2	26	5			11/16	1 1/4	3 1/2	2 3/8	7.46
4																											
5																											

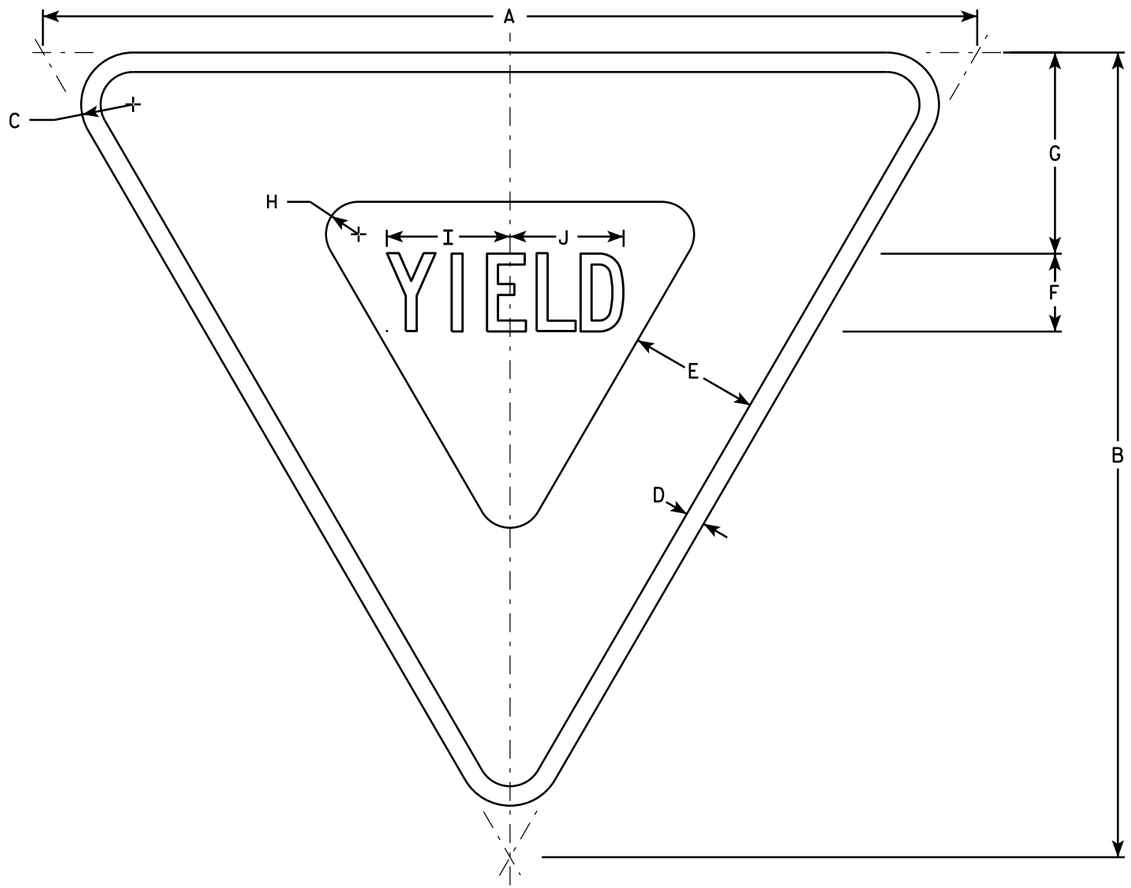
STANDARD SIGN
R1-1F

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/03/10 PLATE NO. R1-1F.3

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 219 | E



R1-2

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 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. The border strip and word message are reflectorized red.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30	26	1 1/2	5/8	4	2 1/2	6 3/8	7/8	4	3 5/8																	2.71
2S	36	31	2	3/4	5	3	7 3/4	1 1/4	4 3/4	4 3/8																	3.88
2M	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
3	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
4	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
5	60	52	3	1 1/2	8	5	13	2 1/2	7 7/8	7 1/4																	10.83
6																											
7	18	15 1/2	1	3/8	2 1/2	1 1/2	3 7/8	5/8	2 3/8	2 1/4																	0.97

STANDARD SIGN
R1-2

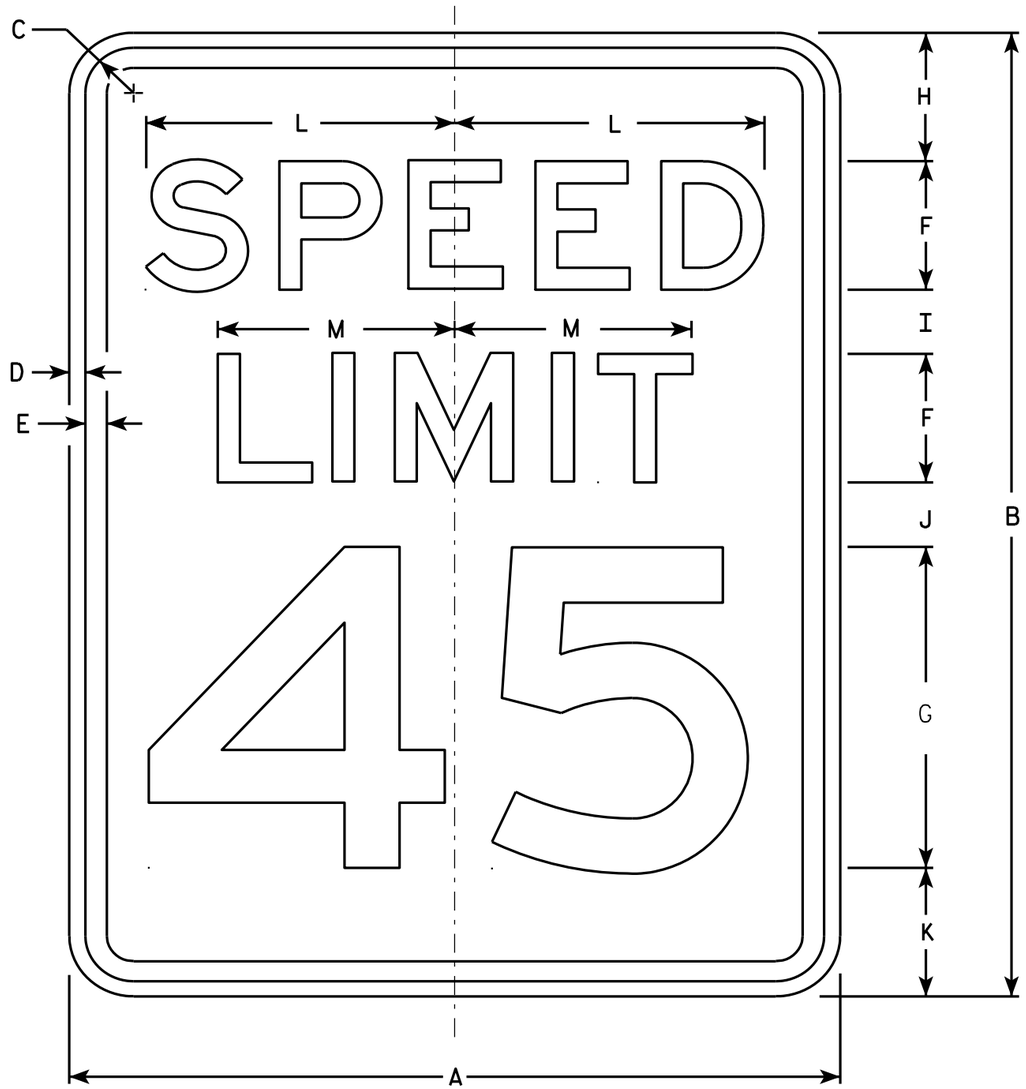
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/13/14 PLATE R1-2.12

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\R12.DGN PLOT DATE : 13-OCT-2014 15:12 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 5.837526:1.000000
WISDOT/CADDS SHEET 42



R2-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals and optically adjust spacing to achieve proper balance.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	24	1 1/8	3/8	1/2	3	8	3	2	2	3	7 1/4	5 1/2														3.0
2S	24	30	1 1/8	3/8	1/2	4	10	3	2 1/4	3 3/8	3 3/8	9 5/8	7 3/8														5.0
2M	30	36	1 3/8	1/2	5/8	5	12	5	2 1/2	2 1/2	4	12	9 1/4														7.5
3	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
4	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
5	48	60	2 1/4	3/4	1	8	20	6	4 1/2	6 3/4	6 3/4	19 1/4	14 5/8														20.0

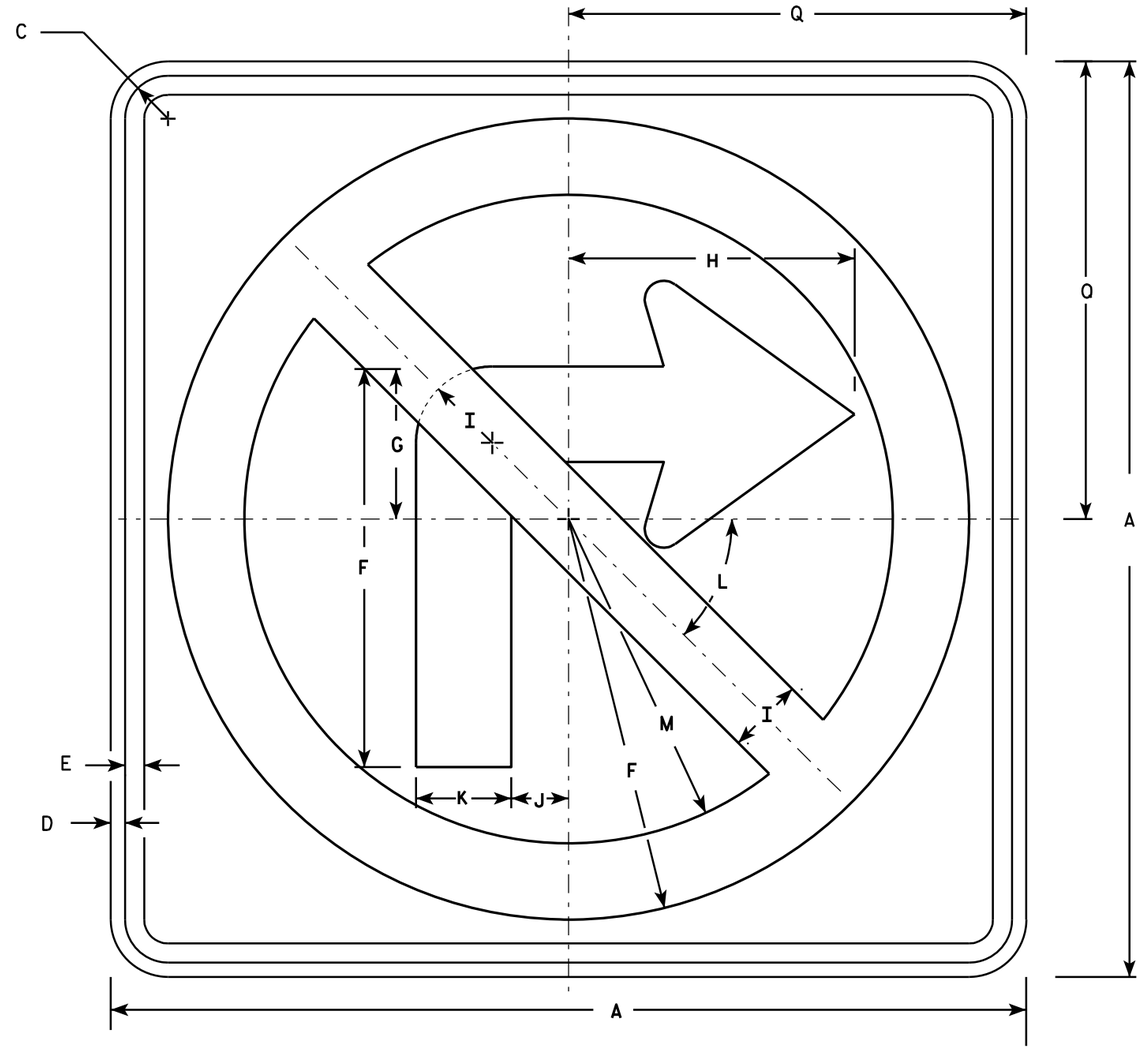
STANDARD SIGN
R2-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/26/10 PLATE NO. R2-1.13

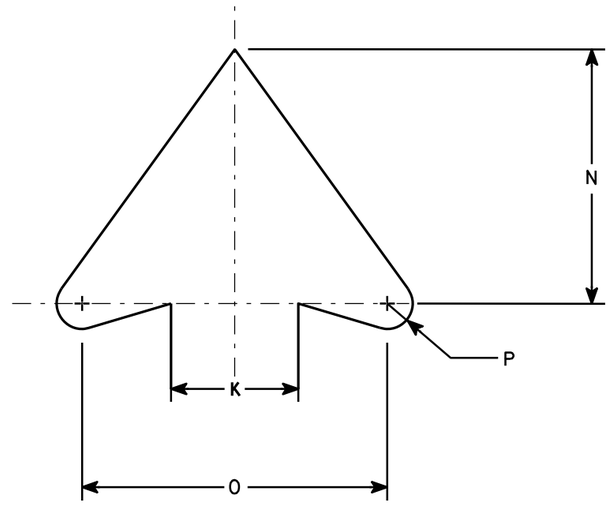
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 221 | E



R3-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - 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	12										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	12										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	18										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	18										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	18										9.0
5	48		2 1/4	3/4	1	21	8	15	4	3	5	45°	17	10	12	1	24										16.0

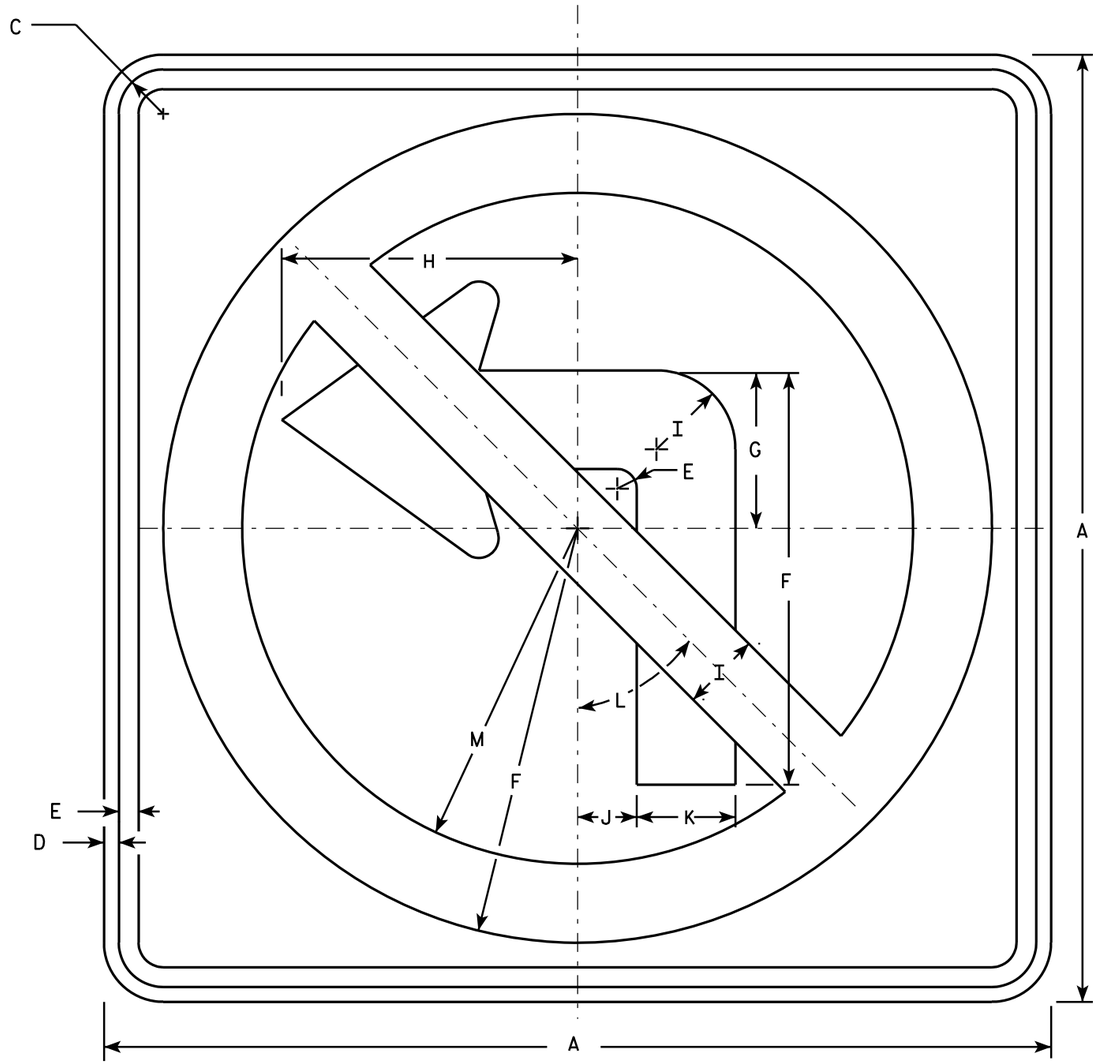
STANDARD SIGN
R3-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/08/10 PLATE NO. R3-1.5

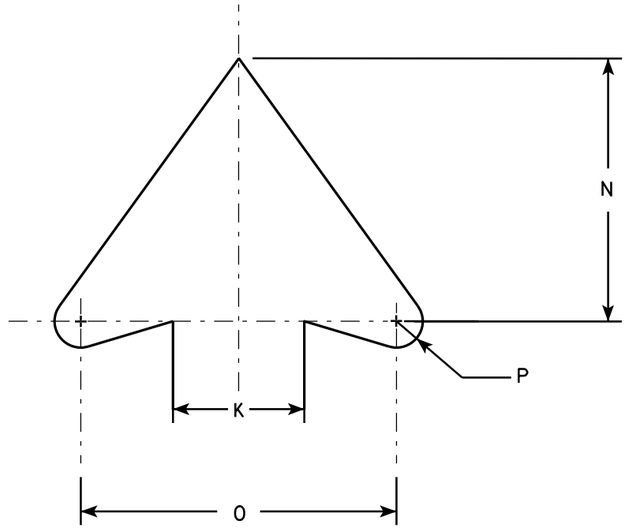
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 222	E



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

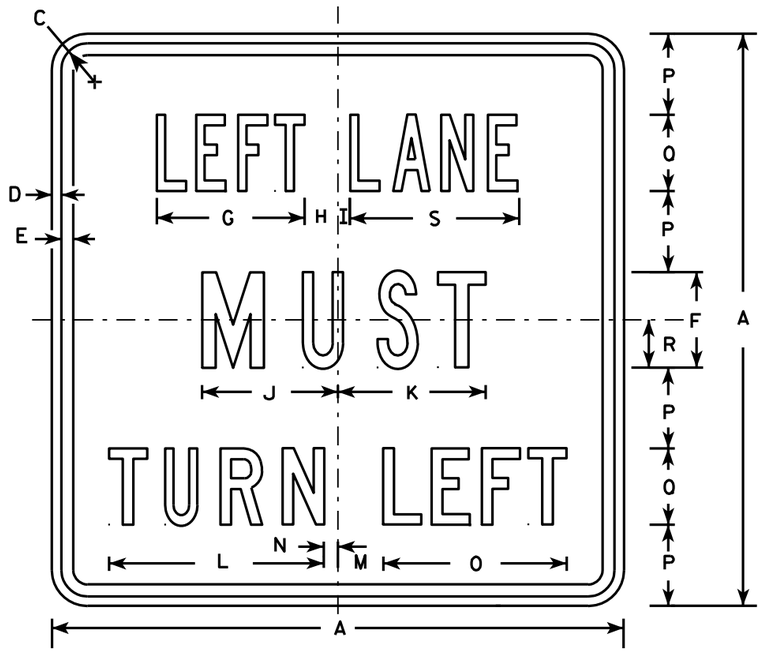
STANDARD SIGN
R3-2

WISCONSIN DEPT OF TRANSPORTATION

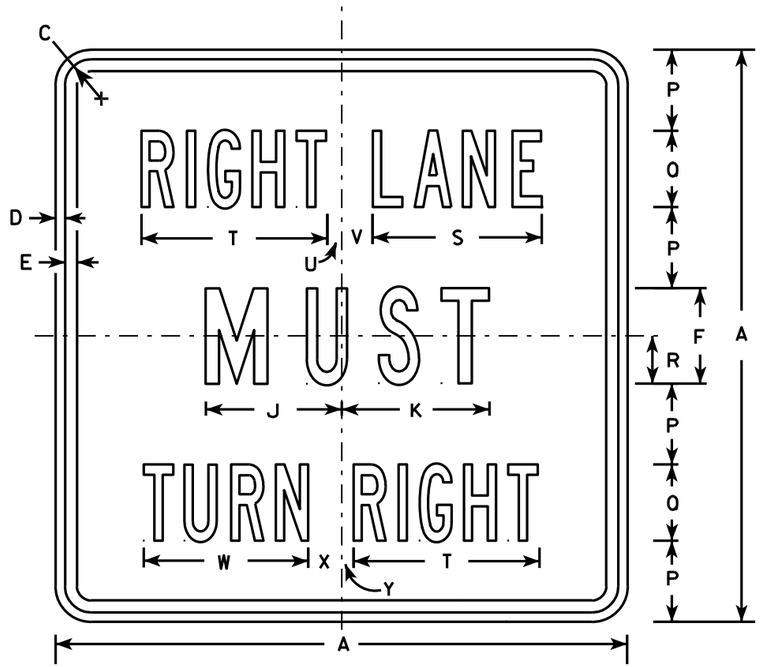
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/08/10 PLATE NO. R3-2.10

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 223	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

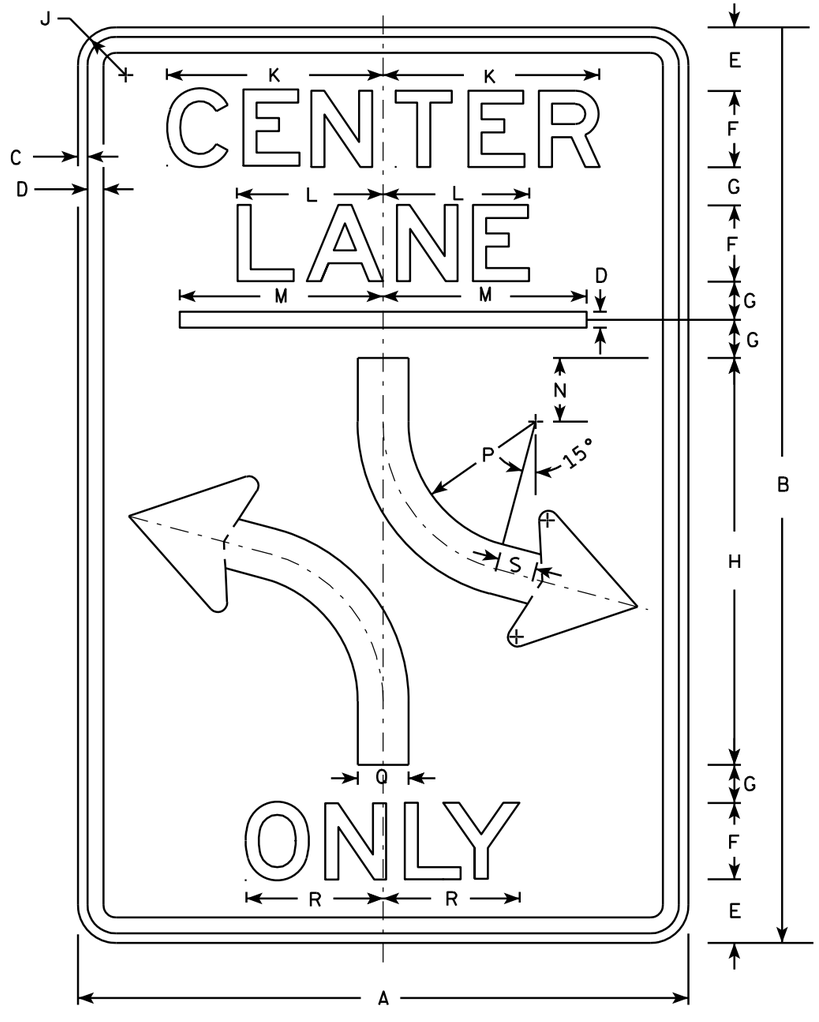
APPROVED Matthew R Rauch
for State Traffic Engineer

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

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 224 | E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R37.DGN PLOT DATE : 18-MAR-2011 09:43 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 7.945391:1.000000

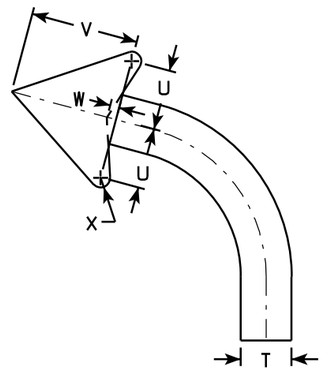
WISDOT/CADDS SHEET 42



R3-9B

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	36	3/8	1/2	2 1/2	3	1 1/2	16		1 1/2	8 1/2	5 3/4	8	2 1/2		6	2	5 1/8	1 1/2		2 3/8	4 3/8	3/8				6.0
2M	24	36	3/8	1/2	2 1/2	3	1 1/2	16		1 1/2	8 1/2	5 3/4	8	2 1/2		6	2	5 1/8	1 1/2		2 3/8	4 3/8	3/8				6.0
3	36	48	5/8	7/8	3 1/2	5	1 1/2	20		2 1/4	14 1/8	9 1/2	12	3		4	3	9 7/8	2		3 1/2	6 1/8	1/2				12.0
4																											
5																											

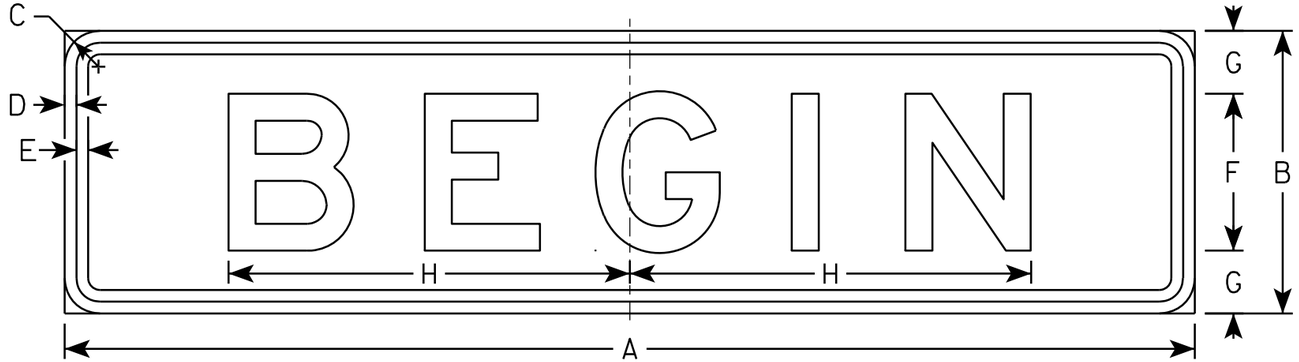
STANDARD SIGN
R3-9B

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/24/2011 PLATE NO. R3-9B.5

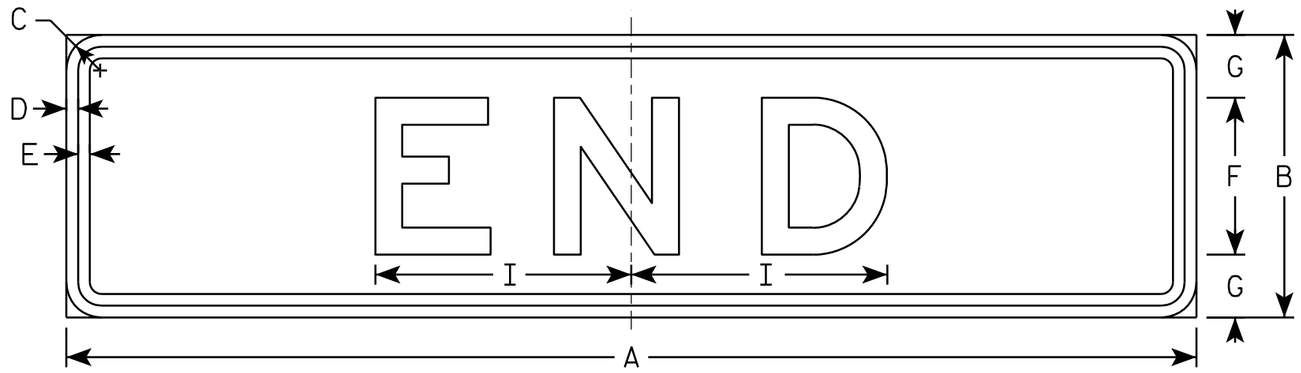
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 225 | E



R3-9C

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



R3-9D

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	6	1 1/8	3/8	3/8	3	1 1/2	7 3/4	4 7/8																		1.0
2M	24	6	1 1/8	3/8	3/8	3	1 1/2	7 3/4	4 7/8																		1.0
3	36	9	1 1/8	3/8	3/8	5	2	12 3/4	8 1/8																		1.86
4																											
5																											

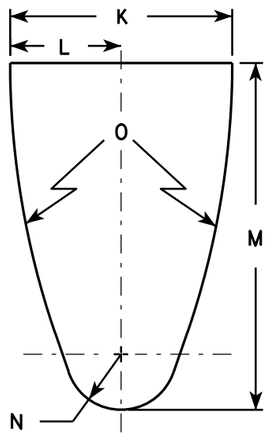
STANDARD SIGN
R3-9C & R3-9D

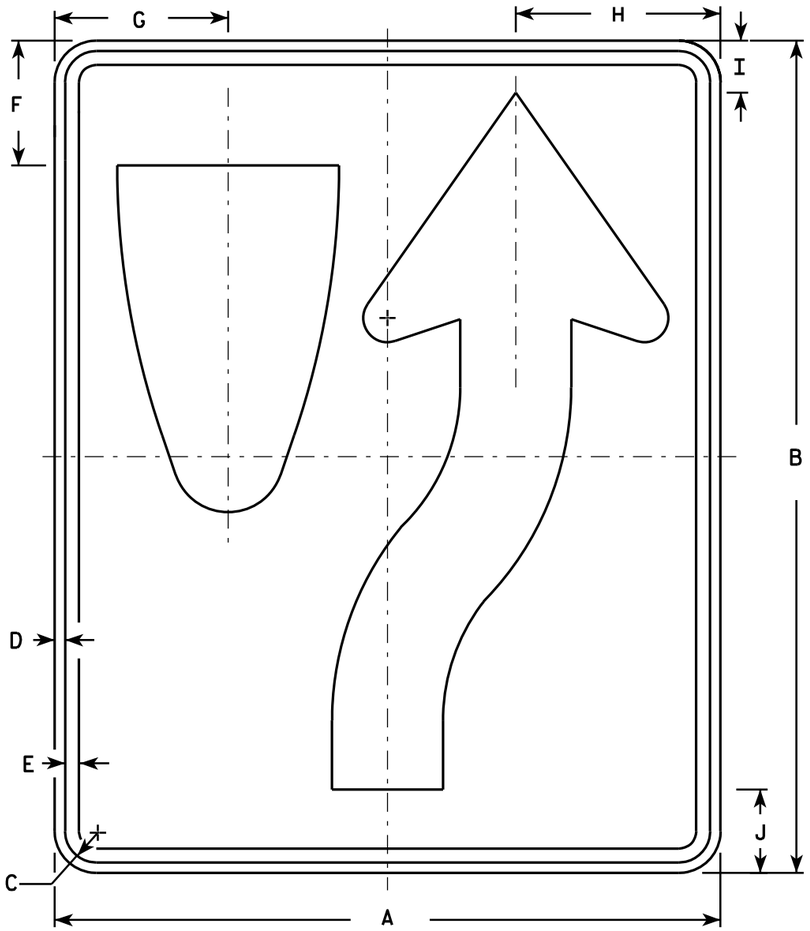
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/24/2011 PLATE NO. R3-9C.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 226	E

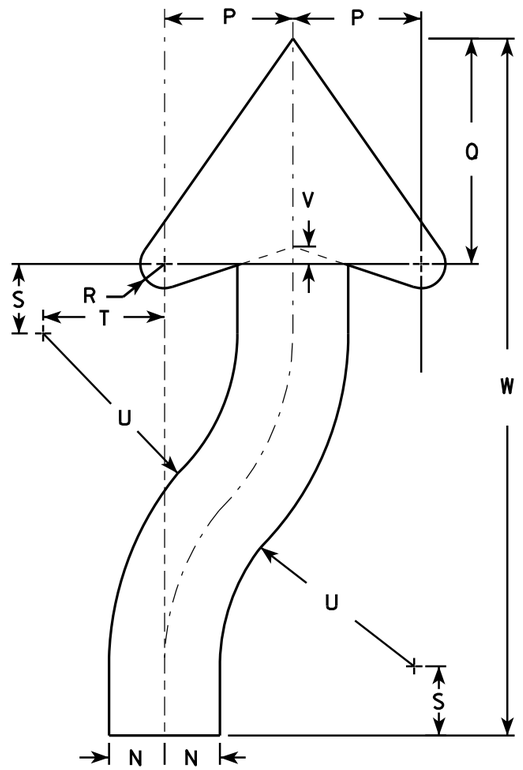




R4-7

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition. material is plywood but borders shall be rounded
2. Color:
   Background - White
   Message - Black
3. Corners may be square or rounded when base as shown. When base material is metal, the corners and borders shall be rounded.
4. R4-8 is the same as R4-7 except Legend 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	18	24	1 1/8	3/8	1/2	3 3/8	4 3/4	5 1/2	1 3/8	2 1/4	6	3	9 3/8	1 1/2	22 1/2	3 1/2	6 1/8	5/8	1 7/8	3 1/4	6 3/4	1/2	20 3/8				3.0
2S	24	30	1 1/8	3/8	1/2	4 1/2	6 1/4	7 3/8	1 7/8	3	8	4	12 1/2	2	30	4 5/8	8 1/8	7/8	2 1/2	4 3/8	9	5/8	25 1/8				5.0
2M	24	30	1 1/8	3/8	1/2	4 1/2	6 1/4	7 3/8	1 7/8	3	8	4	12 1/2	2	30	4 5/8	8 1/8	7/8	2 1/2	4 3/8	9	5/8	25 1/8				5.0
3	36	48	1 3/4	1/2	5/8	6 3/4	9 3/8	11 1/8	2 7/8	4 1/2	12	6	18 3/4	3	45	6 7/8	12 1/4	1 1/4	3 3/4	6 5/8	13 1/2	1	40 3/4				12.0
4	36	48	1 3/4	1/2	5/8	6 3/4	9 3/8	11 1/8	2 7/8	4 1/2	12	6	18 3/4	3	45	6 7/8	12 1/4	1 1/4	3 3/4	6 5/8	13 1/2	1	40 3/4				12.0
5	48	60	2 1/4	3/4	1	9	12 1/2	14 3/4	3 3/4	6	16	8	25	4	60	9 1/4	16 1/4	1 5/8	5	8 3/4	18	1 1/4	50 1/4				20.0

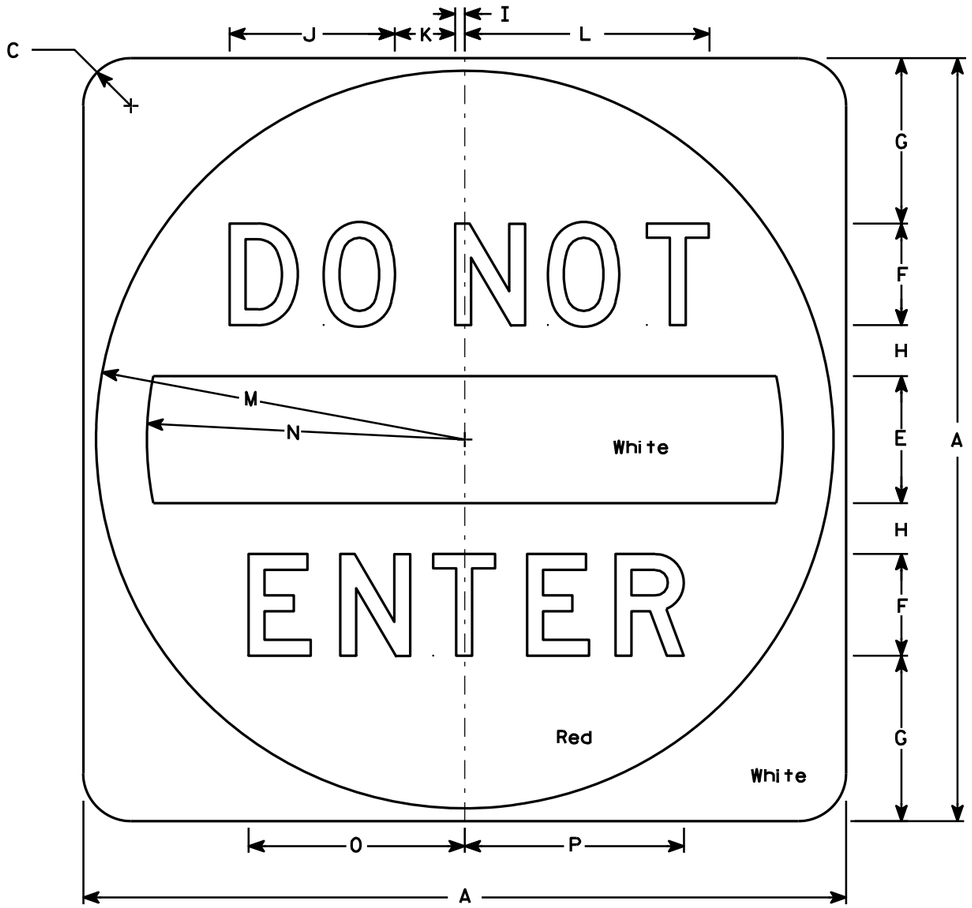
STANDARD SIGN
R4-7 & R4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 3/25/2011 PLATE NO. R4-7.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 227	E



R5-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - See detail
   Message - White - Type H Reflective
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but when base material is metal, the cornors shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30		1 7/8		5	4	6 1/2	2	3/8	6 1/2	2 3/8	9 5/8	14 1/2	12 1/2	8 1/2	8 5/8											6.26
2M	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
3	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
4	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
5	48		3		8	6	11	3	5/8	9 3/4	3 5/8	14 1/2	23 1/2	20	12 3/4	12 7/8											16.0

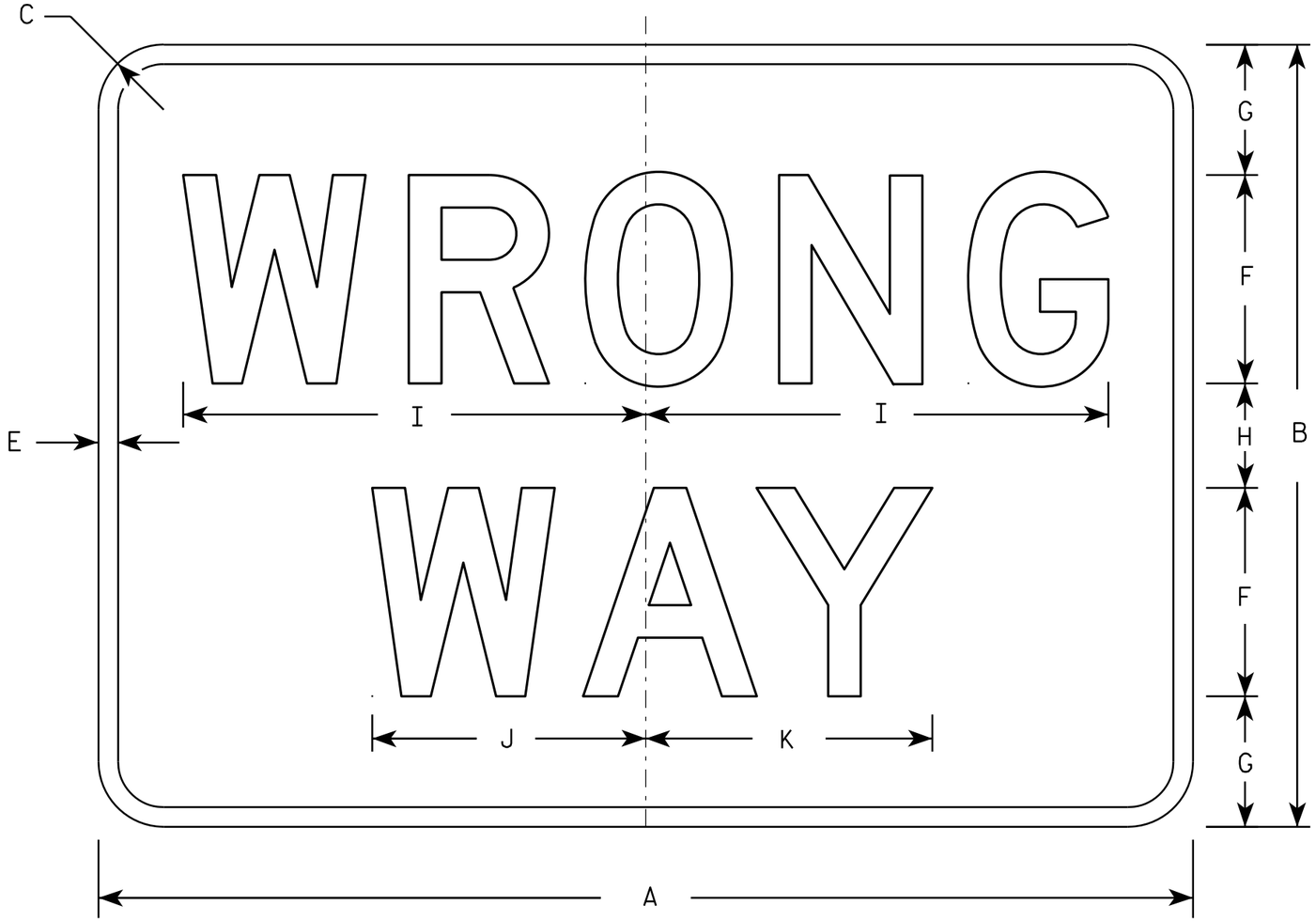
STANDARD SIGN
R5-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/17/10 PLATE NO. R5-1.15

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 228 | E



R5-1A

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
   Message - White
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30	18	1 1/2		1/2	5	3	2	11	6 1/2	6 7/8																3.75
2S	36	24	2		5/8	6	4 1/2	3	13 1/4	7 7/8	8 1/4																6.00
2M	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75
3	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75
4	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75
5	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75

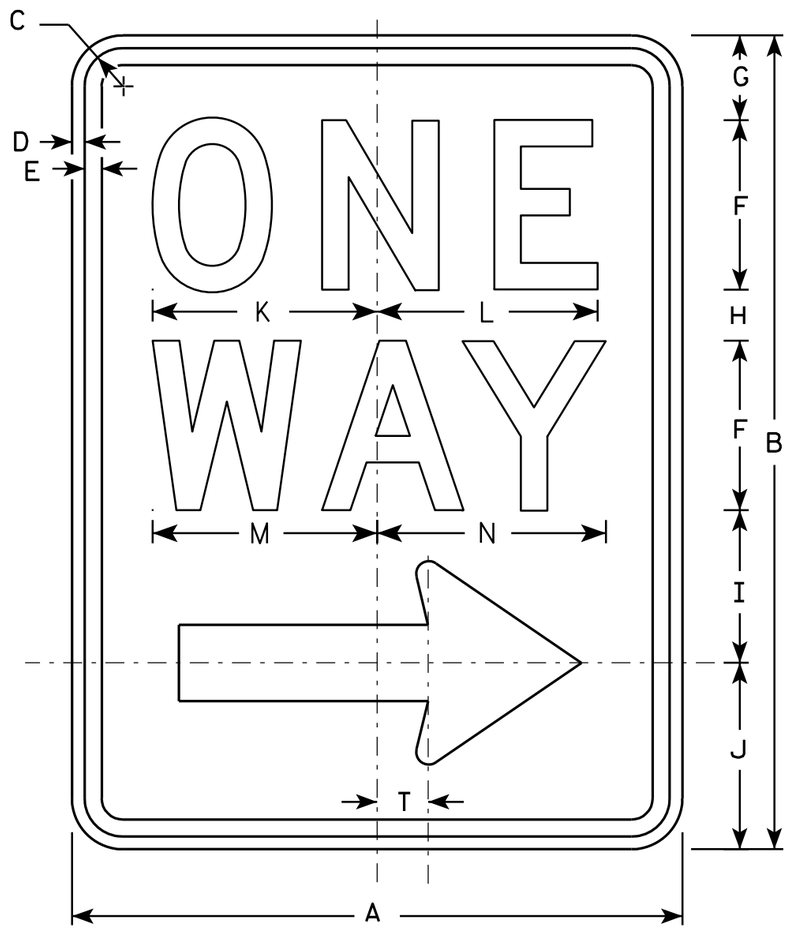
STANDARD SIGN
R5-1A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/17/10 PLATE NO. R5-1A.2

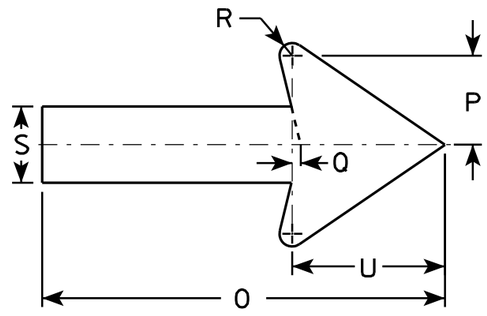
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 229	E



R6-2R

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. R6-2L same as R6-2R except arrow points to the left.



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
1	18	24	1 1/8	3/8	1/2	5	2 1/2	1 1/2	4 1/2	5 1/2	6 5/8	6 1/2	6 5/8	6 3/4	11 7/8	2 5/8	1/4	3/8	2 1/4	1 1/2	4 1/2					
2S	24	30	1 1/8	3/8	1/2	6	3	2 1/2	5 1/2	7	8 1/8	8 1/8	8 1/2	8 5/8	16	3 1/2	3/8	1/2	3	2	6					
2M	30	36	1 3/8	1/2	5/8	8	2 1/2	2 5/8	6 7/8	8	10 1/2	10 1/2	11 1/4	11 1/4	20	4 3/8	1/2	5/8	3 3/4	2 1/2	7 1/2					
3	36	48	1 7/8	1/2	5/8	10	5 1/4	3 1/4	9	10 1/2	12 3/4	12 3/4	13 1/4	13 1/2	24	5 5/8	1/2	3/4	4 3/4	3	9					
4	36	48	1 7/8	1/2	5/8	10	5 1/4	3 1/4	9	10 1/2	12 3/4	12 3/4	13 1/4	13 1/2	24	5 5/8	1/2	3/4	4 3/4	3	9					
5																										

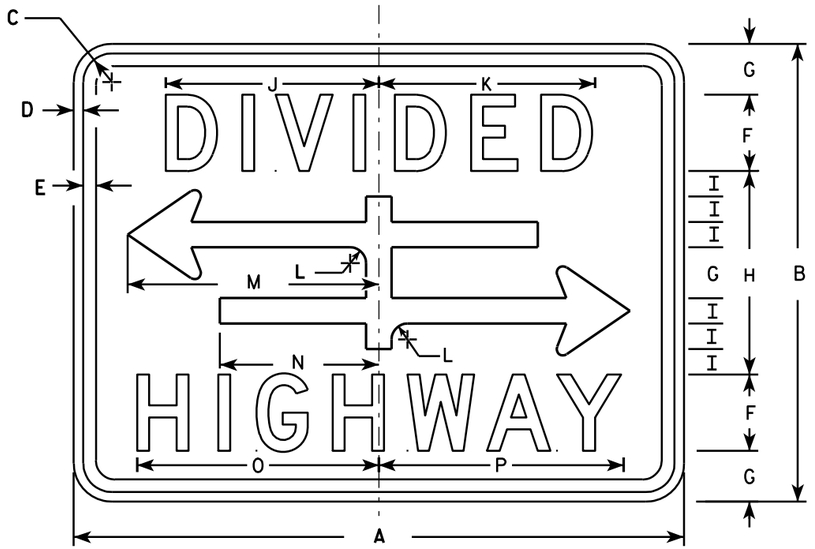
STANDARD SIGN
R6-2 R&L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/2/10 PLATE NO. R6-2.8

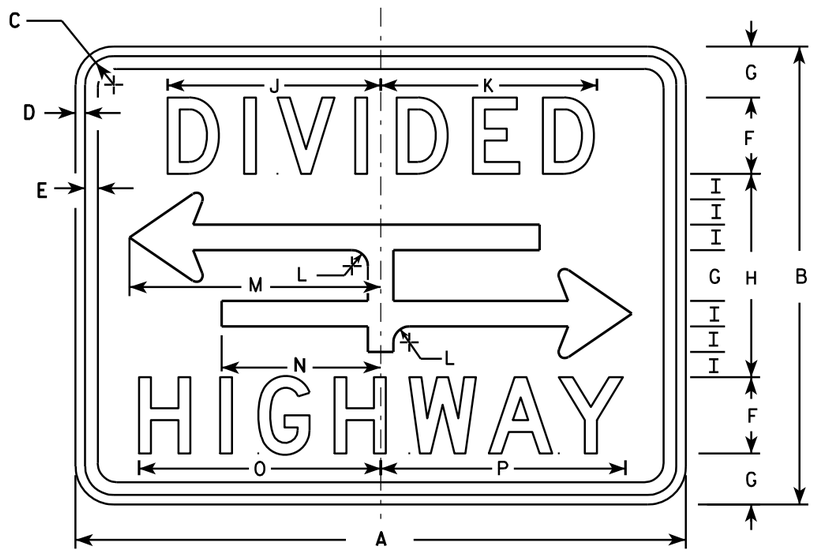
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 230	E



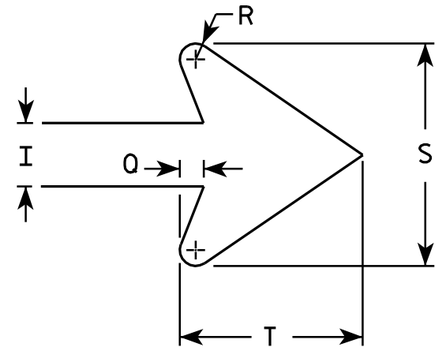
R6-3

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.



R6-3A



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	18	1 1/8	3/8	3/8	3	2	8	1	8 3/8	8 1/2	5/8	9 7/8	6 1/4	9 1/2	9 5/8	3/8	1/4	3 1/2	2 3/4							3.0
2S	30	24	1 1/8	3/8	1/2	4	2 5/8	10 3/4	1 3/8	10 1/2	10 5/8	7/8	12 1/2	7 7/8	12 1/4	12 3/8	1/2	3/8	4 5/8	3 5/8							5.0
2M	30	24	1 1/8	3/8	1/2	4	2 5/8	10 3/4	1 3/8	10 1/2	10 5/8	7/8	12 1/2	7 7/8	12 1/4	12 3/8	1/2	3/8	4 5/8	3 5/8							5.0
3																											
4																											
5																											

STANDARD SIGN
R6-3 & R6-3A

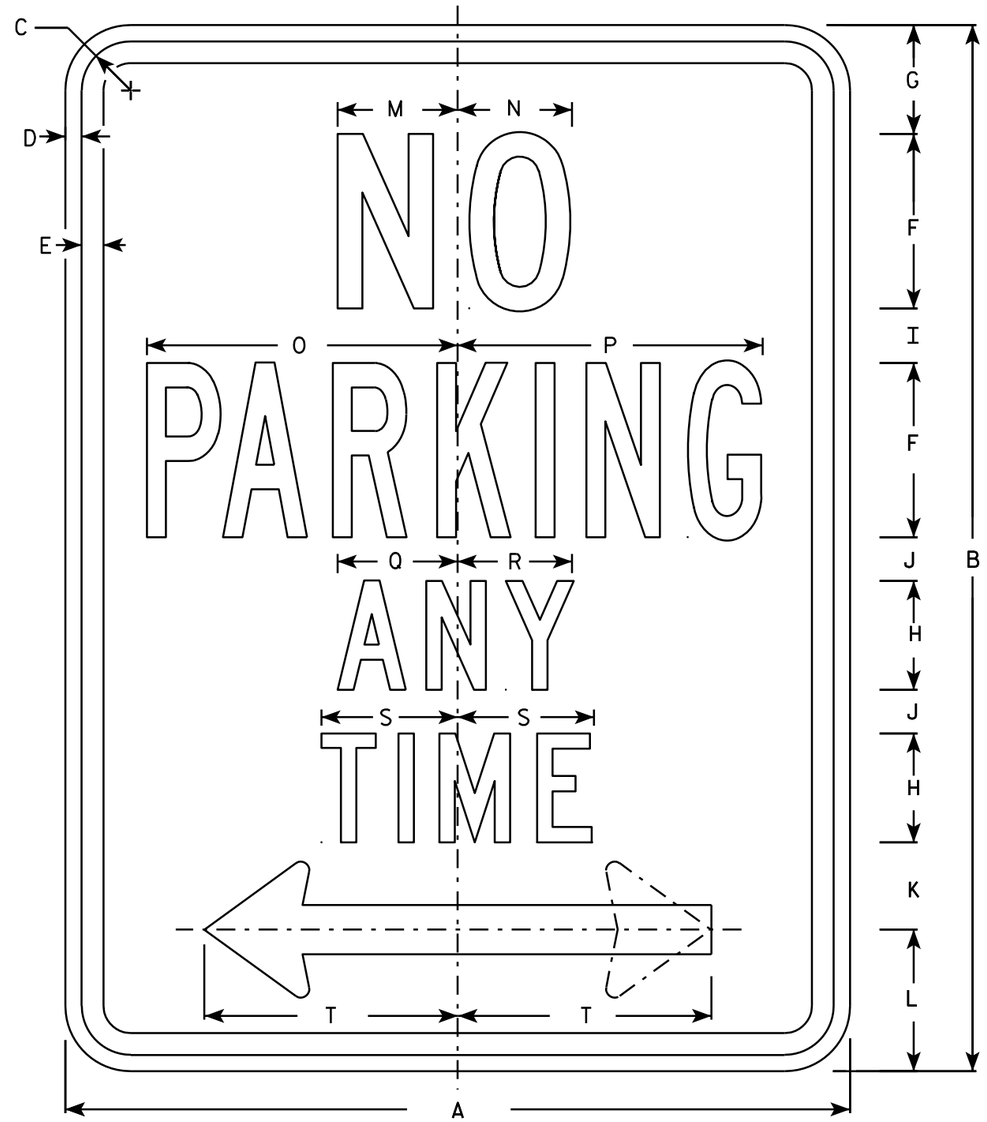
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/31/2011 PLATE NO. R6-3.5

PROJECT NO:

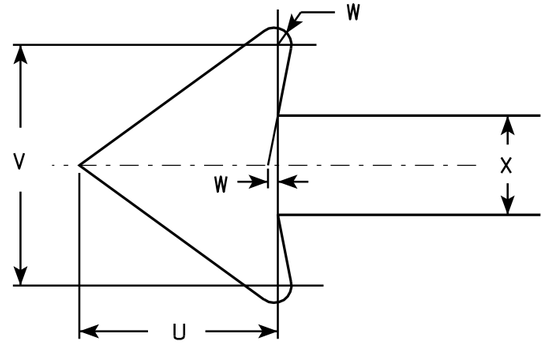
SHEET NO: 231 E



R7-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Red
3. Message Series - See Note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Lines 1, 3 and 4 are series C, line 2 is series B.
6. R7-1D (double arrow)
   R7-1L (left arrow)
   R7-1R (right arrow)



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	12	18	1 1/8	3/8	3/8	3	1 7/8	2	7/8	5/8	1 1/2	2 1/2	2	2	4 7/8	4 7/8	2 1/4	2 1/8	2 1/2	3 7/8	1 1/2	1 3/4	1/8	3/4			1.5
2S	18	24	1 1/8	3/8	1/2	4	2 1/2	2 1/2	1 1/4	1	2	3 1/4	2 3/4	2 5/8	7 1/8	7	2 3/4	2 5/8	3 1/8	5 7/8	2 1/4	2 5/8	1/4	1 1/8			3.0
2M	24	30	1 1/8	3/8	1/2	5	3	3	2	1 1/4	2 1/2	4	3 1/4	3 3/8	9 1/4	9 1/4	3 1/4	3 1/4	3 3/4	7 3/4	3	3 1/2	1/4	1 1/2			5.0
3	24	30	1 1/8	3/8	1/2	5	3	3	2	1 1/4	2 1/2	4	3 1/4	3 3/8	9 1/4	9 1/4	3 1/4	3 1/4	3 3/4	7 3/4	3	3 1/2	1/4	1 1/2			5.0
4																											
5																											

STANDARD SIGN
R7-1

WISCONSIN DEPT OF TRANSPORTATION

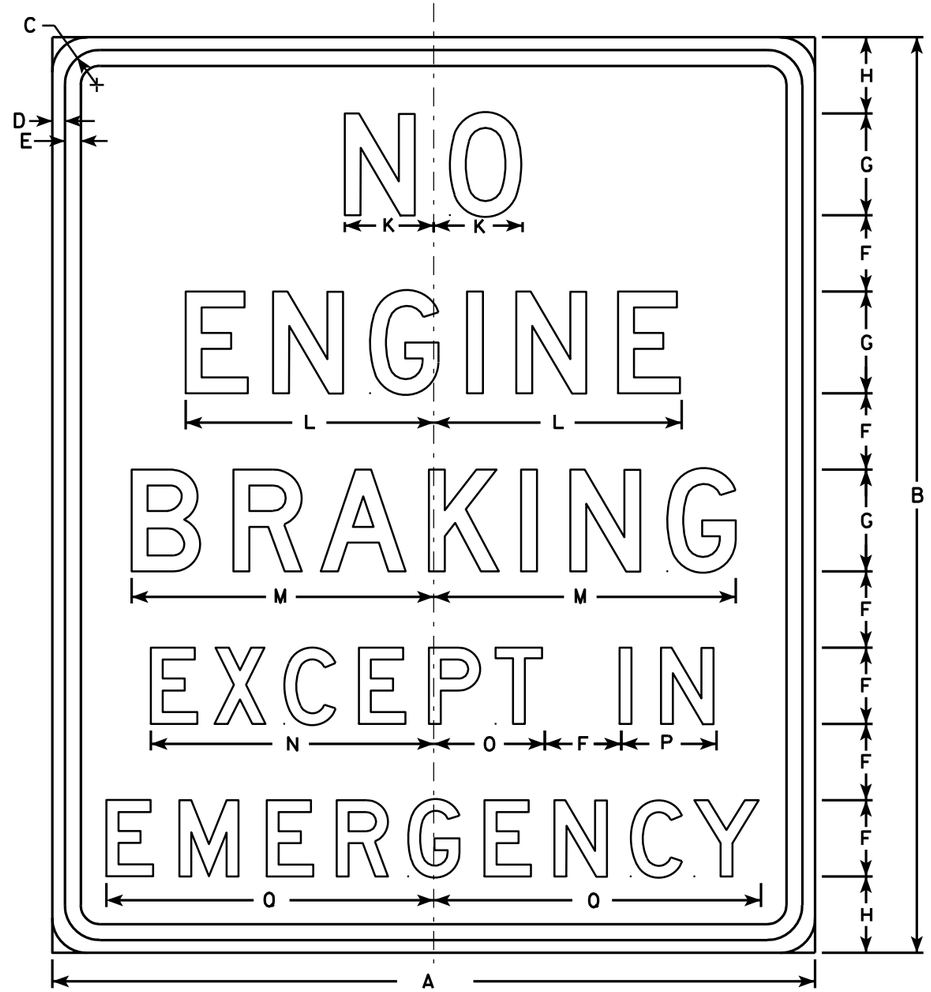
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/31/2011 PLATE NO. R7-1.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 232	E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R71.DGN PLOT DATE : 31-MAR-2011 09:20 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 3.476110:1.000000

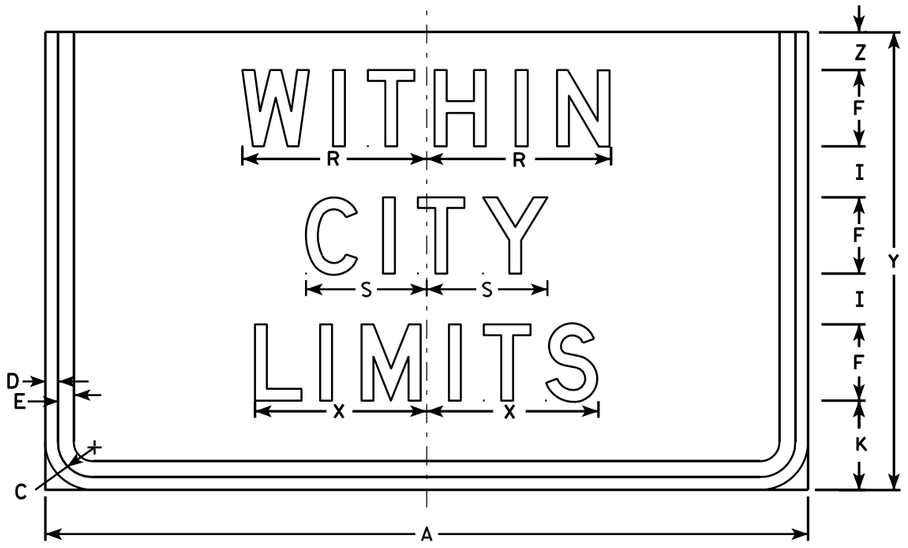
WISDOT/CADDS SHEET 42



R10-64

NOTES

1. Signs are 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 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 2 of R10-64F is Series C for "TOWNSHIP" Only



R10-64F

Area sq. ft.
3.75
7.0

VILLAGE
V
V

TOWNSHIP
U
U

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	36	1 3/8	1/2	5/8	3	4	3	2		3 1/2	9 3/4	11 7/8	11 1/8	4 3/8	3 3/4	12 7/8	7 1/4	4 3/4		8 1/4	8 3/4	5/8	6 3/4	18	1 1/2	7.5
2S	30	36	1 3/8	1/2	5/8	3	4	3	2		3 1/2	9 3/4	11 7/8	11 1/8	4 3/8	3 3/4	12 7/8	7 1/4	4 3/4		8 1/4	8 3/4	5/8	6 3/4	18	1 1/2	7.5
2M	30	36	1 3/8	1/2	5/8	3	4	3	2		3 1/2	9 3/4	11 7/8	11 1/8	4 3/8	3 3/4	12 7/8	7 1/4	4 3/4		8 1/4	8 3/4	5/8	6 3/4	18	1 1/2	7.5
3	42	48	1 3/8	1/2	5/8	4	5	4 1/2	3		4	12 1/4	14 7/8	14 1/8	5 1/4	4 3/4	16 1/4	9	6		11	11 1/4	1 1/2	8 1/2	24	2	14.0
4																											
5																											

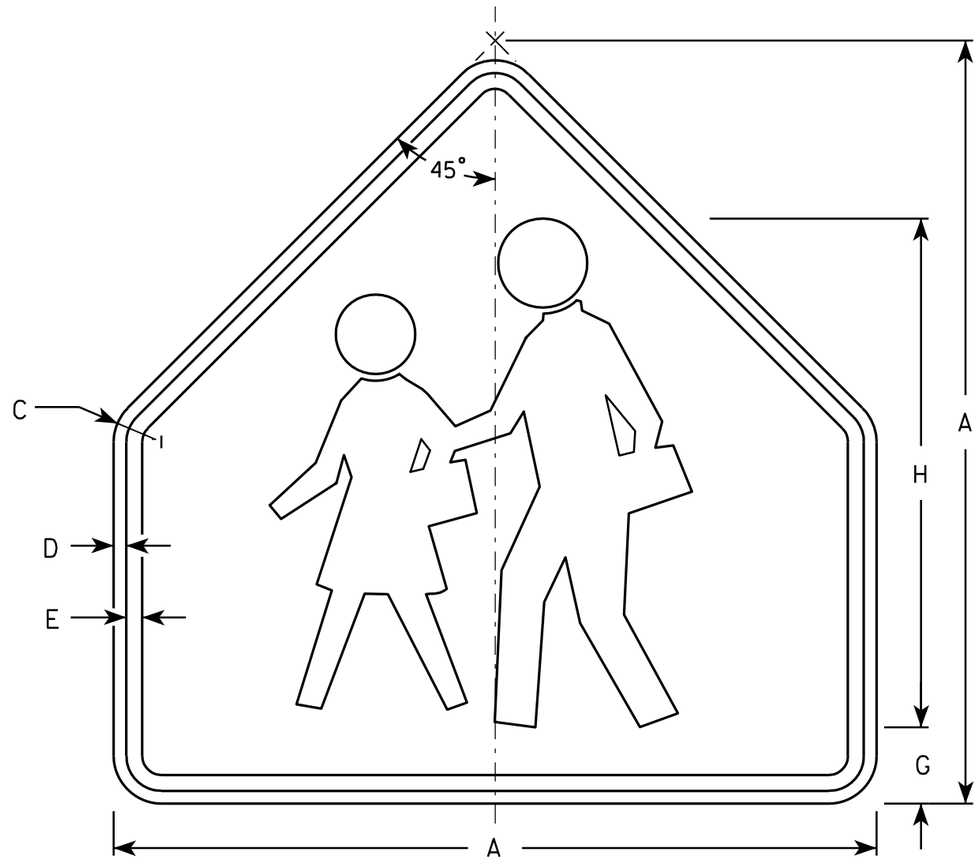
STANDARD SIGN
R10-64 & R10-64F

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/4/11 PLATE NO. R10-64.7

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 233	E



S1-1

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow-Green
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8		3	20																			4.69
2	36		1 5/8	5/8	3/4		3 1/2	24																			6.75
3	36		1 5/8	5/8	3/4		3 1/2	24																			6.75
4	48		2 1/4	3/4	1		4 3/4	32																			12
5																											

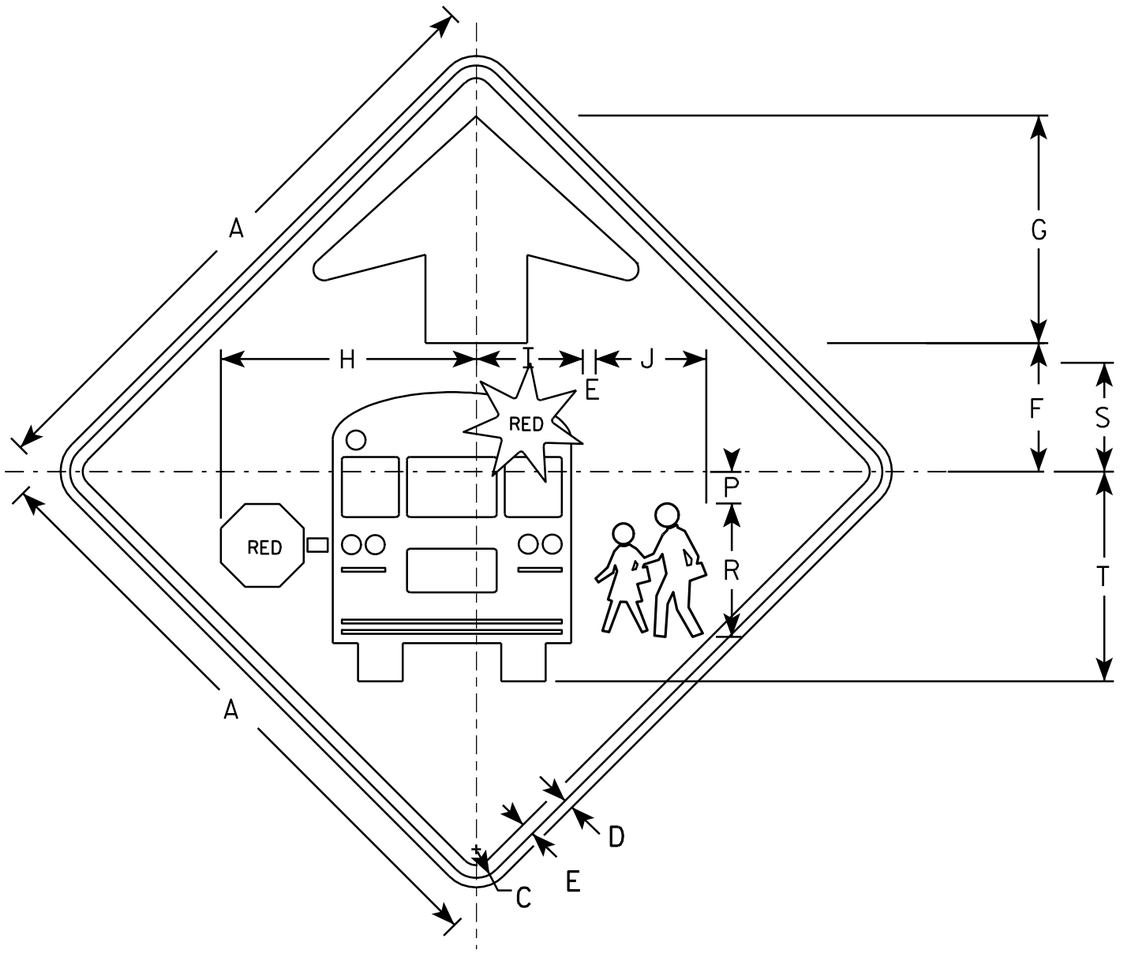
STANDARD SIGN
S1-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/30/05 PLATE NO. S1-1.8

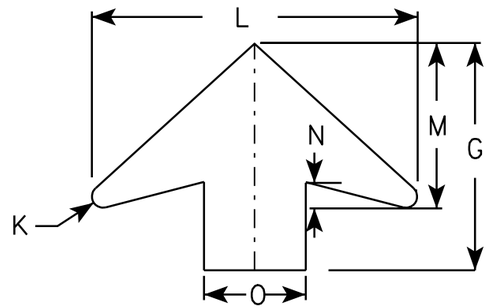
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 234	E



S3-1

NOTES

1. All Signs Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - YELLOW-GREEN
   Message - BLACK except as noted
   Circles except PEDS- RED BACKGROUND
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8	6 1/4	11 1/4	12 1/2	5 1/4	5 1/2	1/2	16	8	1 1/4	5	1 1/2		6 5/8	5 3/8	10 3/8							6.25
2	36		1 5/8	5/8	3/4	7 1/2	13 1/2	15 1/8	6 1/4	6 1/2	5/8	19 1/4	9 3/4	1 5/8	6	1 7/8		7 7/8	6 3/8	12 3/8							9.0
3	48		2 1/4	3/4	1	10	17 7/8	20 1/8	8 3/8	8 3/4	7/8	25 5/8	13	2	8	2 1/2		10 1/2	8 1/2	16 1/2							16.0
4	48		2 1/4	3/4	1	10	17 7/8	20 1/8	8 3/8	8 3/4	7/8	25 5/8	13	2	8	2 1/2		10 1/2	8 1/2	16 1/2							16.0
5																											

STANDARD SIGN
S3-1

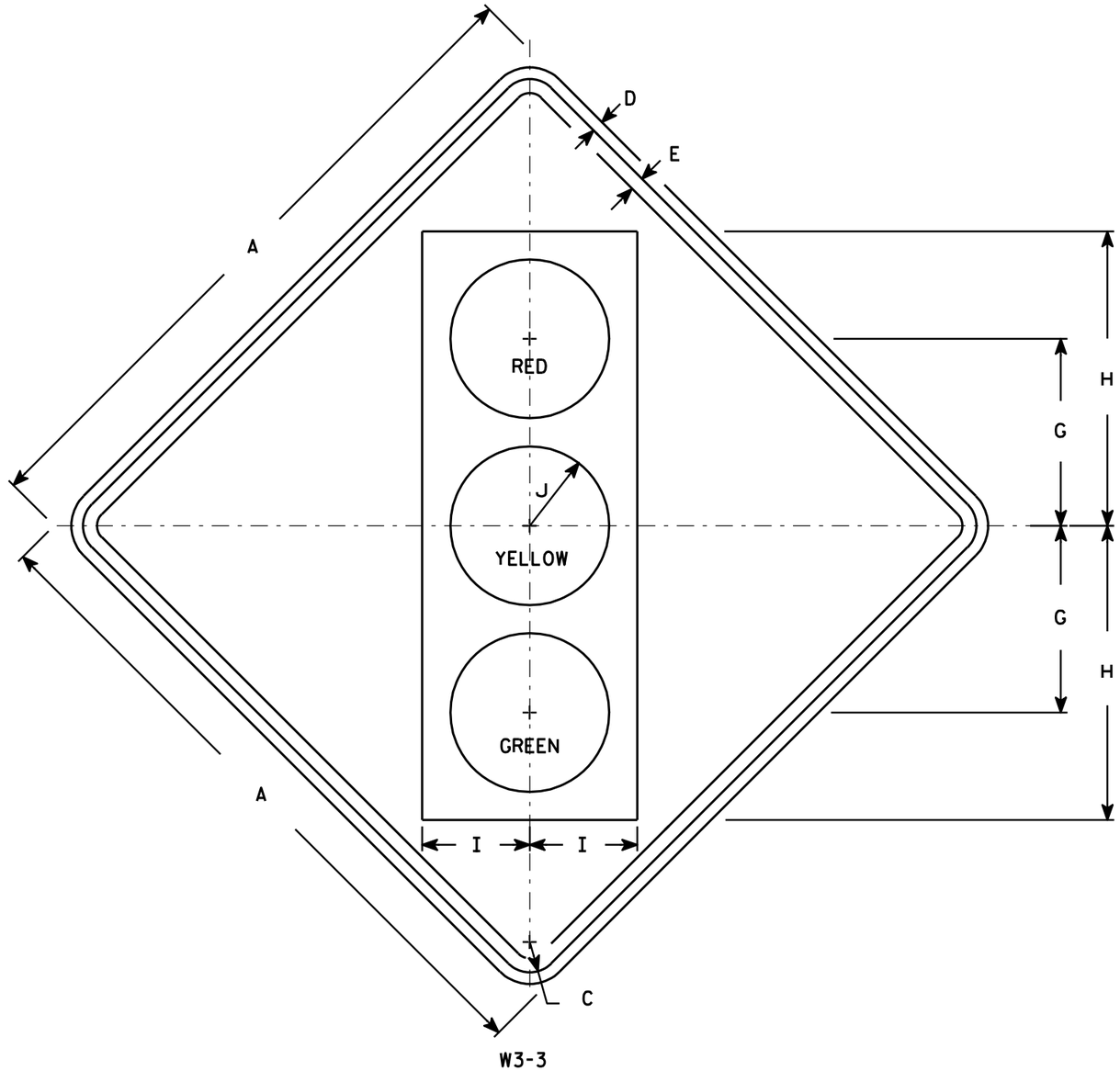
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/8/10 PLATE NO. S3-1.6

PROJECT NO:

SHEET NO: 235 E



NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - See Note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Symbol and border are non-reflective black.
   Top circle - Type H Reflectorized Red
   Center circle - Same as background
   Bottom circle - Type H Reflectorized Green

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8		8 3/4	13 3/4	5	3 3/4																	6.25
2S	36		1 5/8	5/8	3/4		10	15 3/4	5 3/4	4 1/4																	9.0
2M	36		1 5/8	5/8	3/4		10	15 3/4	5 3/4	4 1/4																	9.0
3	36		1 5/8	5/8	3/4		10	15 3/4	5 3/4	4 1/4																	9.0
4	48		2 1/4	3/4	1		12 1/2	20	7 1/2	5																	16.0
5	48		2 1/4	3/4	1		12 1/2	20	7 1/2	5																	16.0

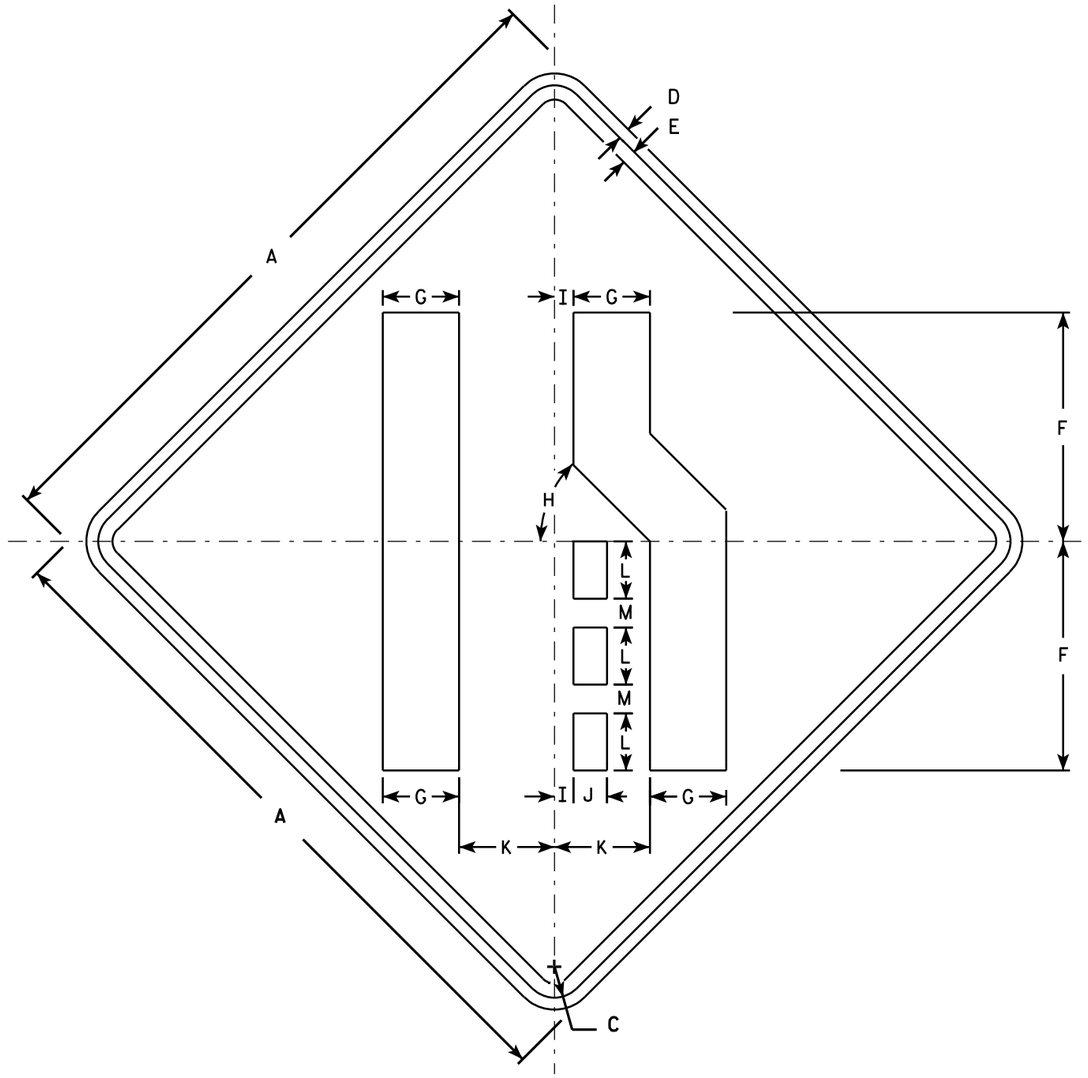
STANDARD SIGN
W3-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 6/7/10 PLATE NO. W3-3.11

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 236 | E



W4-2R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W4-2L is the same as W4-2R 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	30		1 3/8	1/2	5/8	10	3 3/8	45°	7/8	1 1/2	4 1/4	2 1/2	1 1/4														6.25
2S	36		1 5/8	5/8	3/4	12	4	45°	1	1 3/4	5	3	1 1/2														9.0
2M	36		1 5/8	5/8	3/4	12	4	45°	1	1 3/4	5	3	1 1/2														9.0
3	36		1 5/8	5/8	3/4	12	4	45°	1	1 3/4	5	3	1 1/2														9.0
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
W4-2

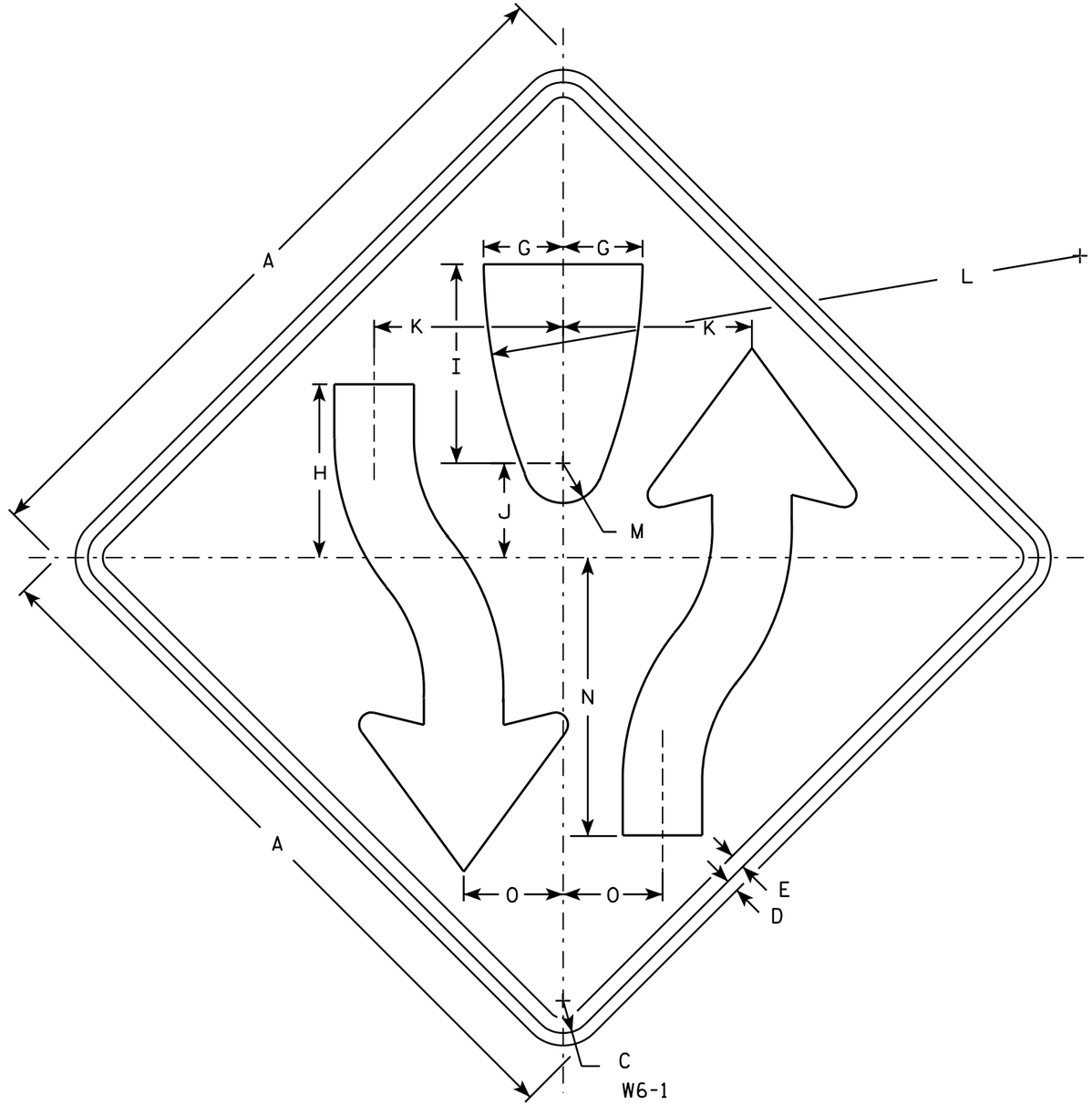
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/12/13 PLATE NO. W4-2.14

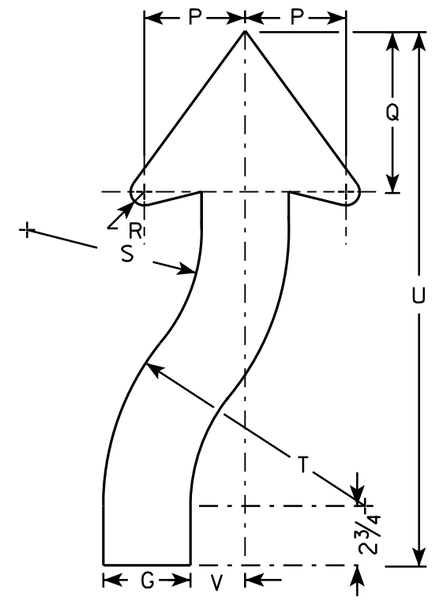
PROJECT NO:

SHEET NO: 237 E



NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - 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. W6-2 same as W6-1 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	30		1 3/8	1/2	5/8		3 1/4	8	8 1/4	4 1/8	7 7/8	25	1 3/4	11 5/8	4 1/8	3 7/8	6 3/4	5/8	6 5/8	9 7/8	21 5/8	2					6.25
2S	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
2M	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
3																											
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
W6-1 & W6-2

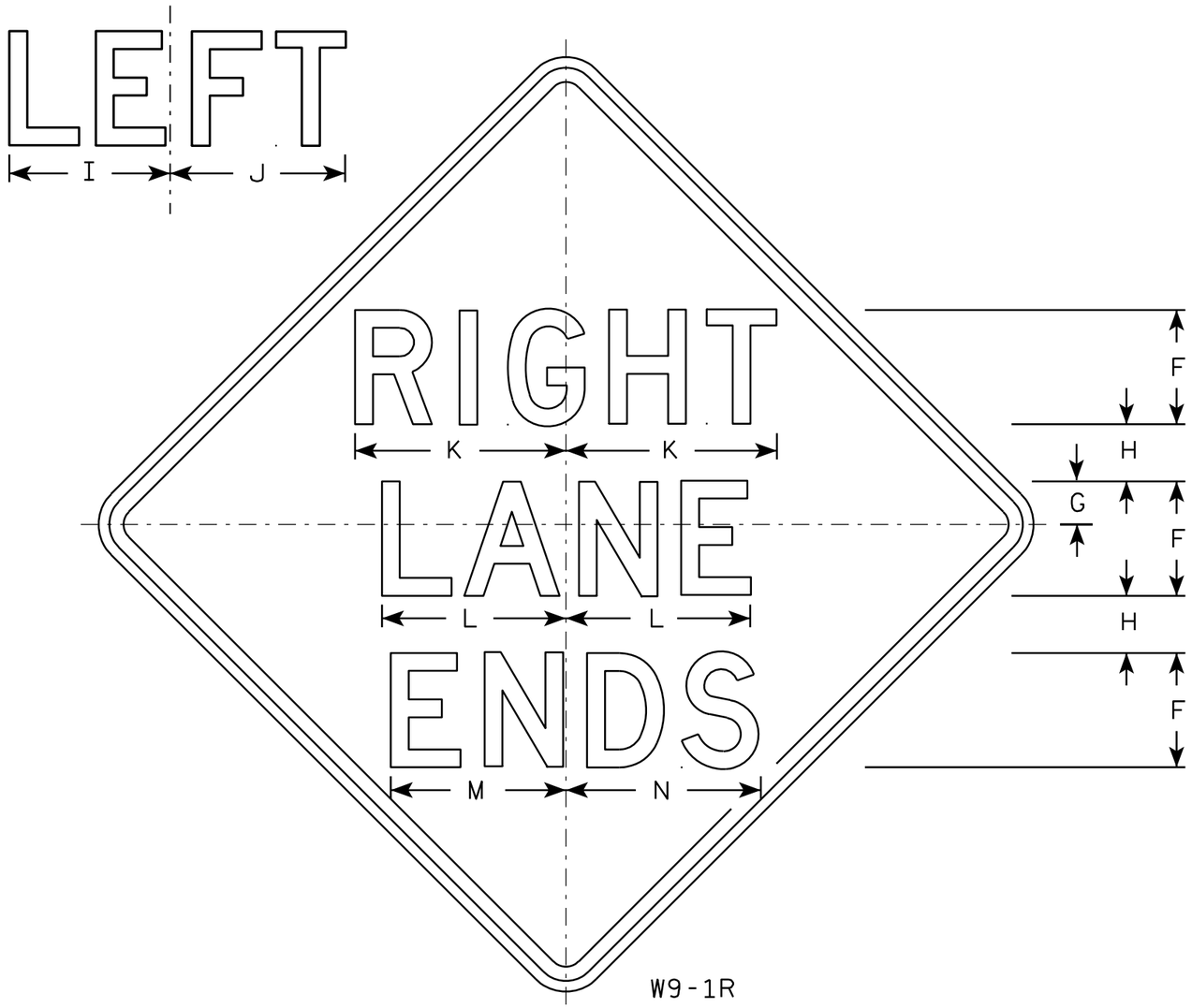
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 03/12/13 PLATE NO. W6-1.14

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 238	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W61.DGN PLOT DATE : 12-MAR-2013 14:02 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 6.946657:1.000000
WISDOT/CADDS SHEET 42



W9-1R

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 - 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. W9-1L same as W9-1R except the word Left replaces 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	30		1 3/8	1/2	5/8	5	1 1/2	2 1/2	7 1/8	7 5/8	9 1/4	8 1/8	7 5/8	8 5/8													6.25
2S	36		1 5/8	5/8	3/4	6	2	3	8 1/2	9 1/8	11	9 3/4	9	10 3/8													9.0
2M	36		1 5/8	5/8	3/4	6	2	3	8 1/2	9 1/8	11	9 3/4	9	10 3/8													9.0
3	36		1 5/8	5/8	3/4	6	2	3	8 1/2	9 1/8	11	9 3/4	9	10 3/8													9.0
4	36		1 5/8	5/8	3/4	6	2	3	8 1/2	9 1/8	11	9 3/4	9	10 3/8													9.0
5	48		2 1/4	3/4	1	8	3	4	11 1/4	12 1/4	14 3/4	12 7/8	12 1/4	13 5/8													16.0

STANDARD SIGN
W9-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

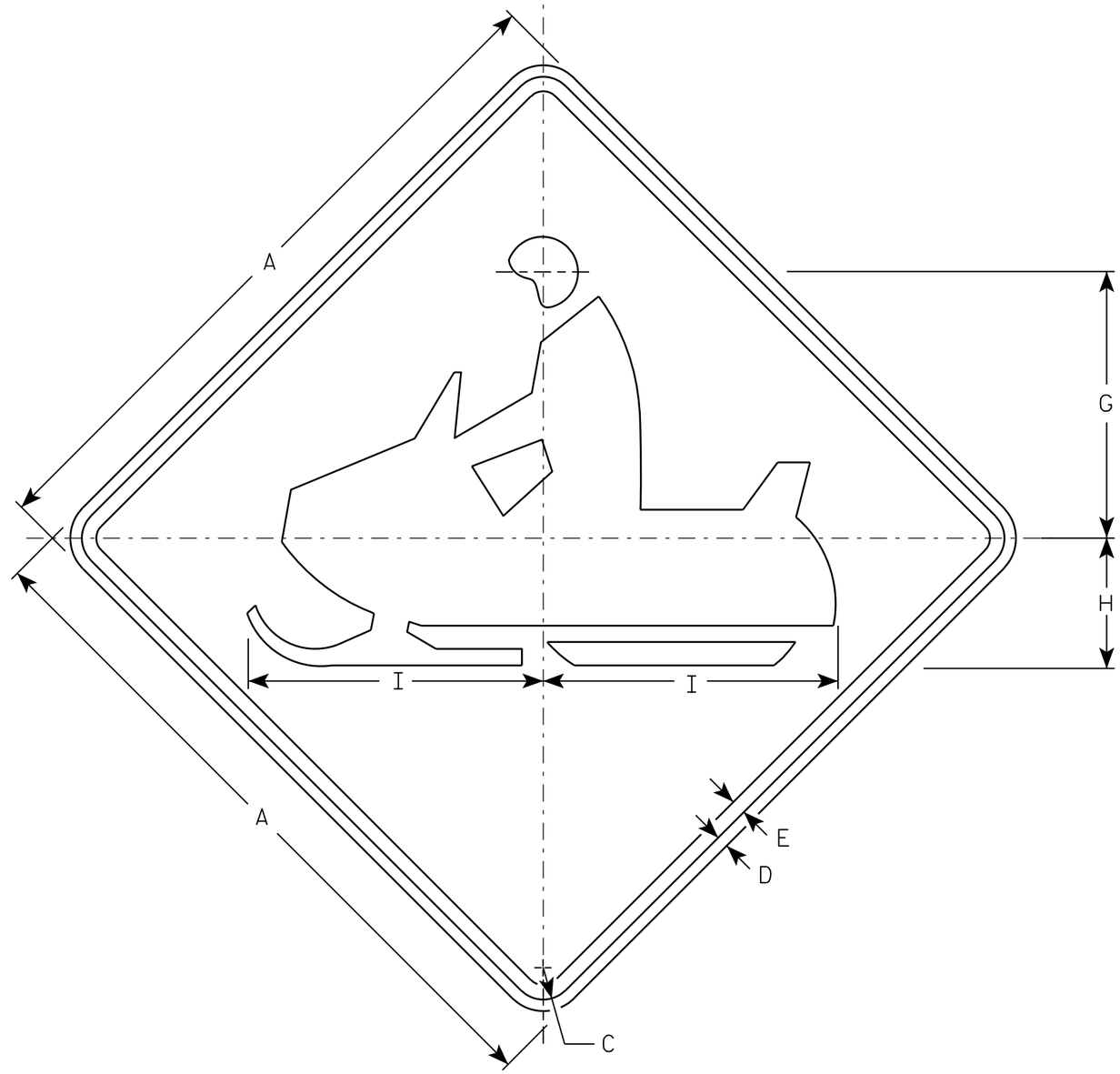
DATE 03/18/13 PLATE NO. W9-1.8

PROJECT NO:

SHEET NO: 239 E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W91.DGN PLOT DATE : 18-MAR-2013 11:42 PLOT BY : mscsja

WISDOT/CADDS SHEET 42



W11-6

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2		9 1/2	4 1/2	10 1/4																		4.0
2S	30		1 3/8	1/2	5/8		11 1/2	5 5/8	12 3/4																		6.25
2M	30		1 3/8	1/2	5/8		11 1/2	5 5/8	12 3/4																		6.25
3	36		1 5/8	5/8	3/4		14 1/8	6 3/4	15 1/4																		9.0
4	48		2 1/4	3/4	1		19	9	20 1/2																		16.0
5																											

STANDARD SIGN
W11-6

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/13/13 PLATE NO. W11-6.8

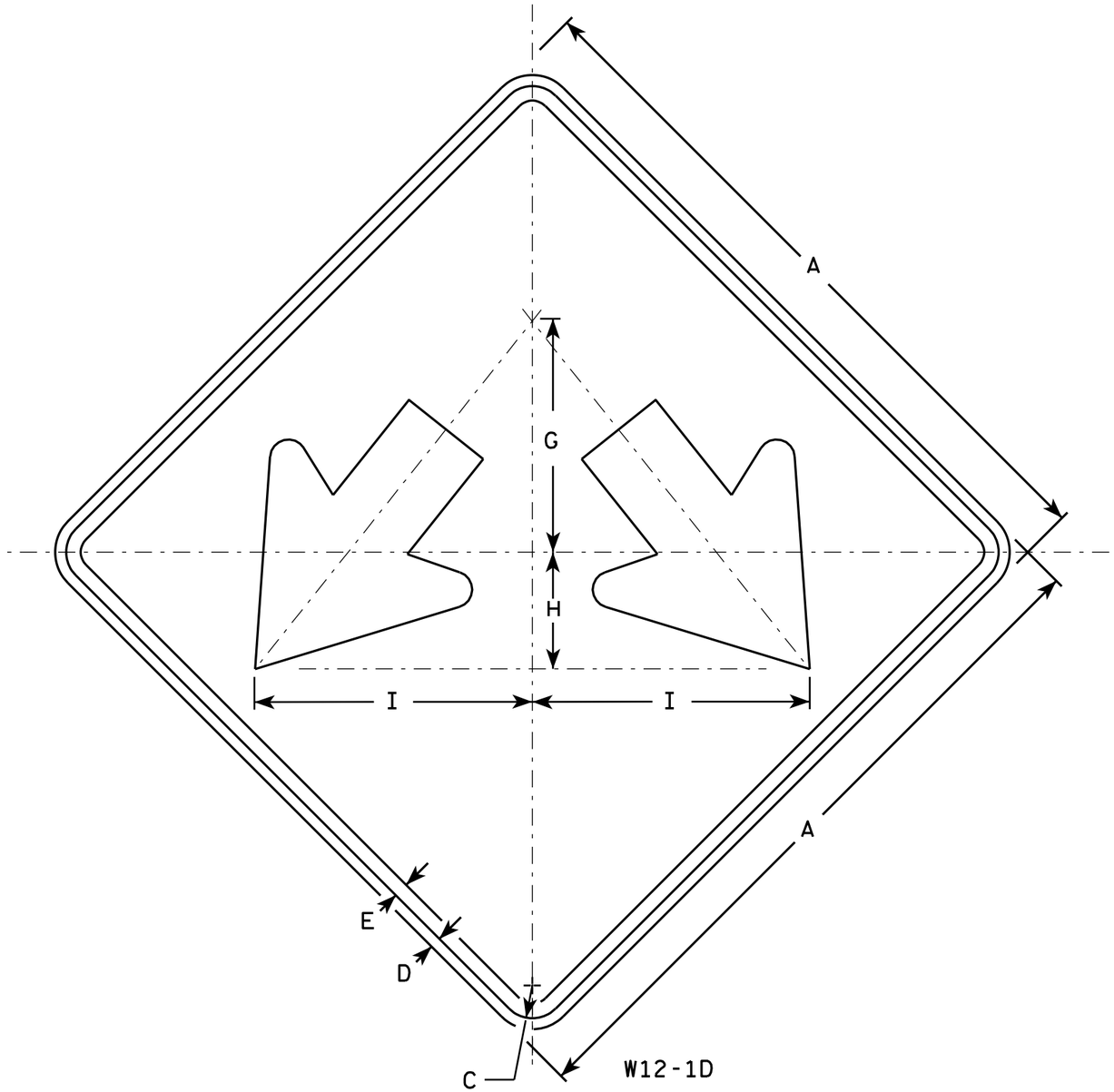
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 240 | E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W116.DGN PLOT DATE : 13-MAR-2013 12:57 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 5.954276:1.000000

WISDOT/CADDS SHEET 42

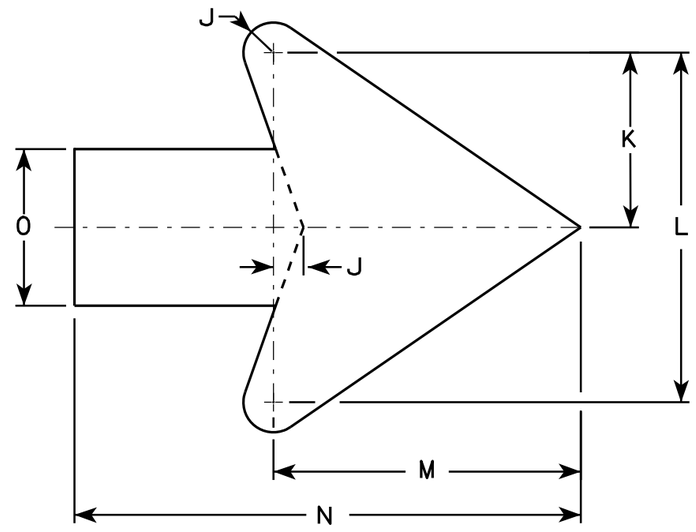
7

7



NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



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		1 1/8	1/2	3/8		8	4	9 1/2	3/8	3 3/8	7 1/4	6 3/8	10 3/8	3 1/4												4.0
2M	24		1 1/8	1/2	3/8		8	4	9 1/2	3/8	3 3/8	7 1/4	6 3/8	10 3/8	3 1/4												4.0
3	30		1 3/8	1/2	5/8		10	5	11 7/8	3/4	4 1/2	9	7 7/8	13	4												6.25
4	36		1 3/8	1/2	5/8		12	6	14 1/4	1	5 1/2	10 7/8	9 5/8	15 3/4	4 3/4												9.0
5	48		2 1/4	3/4	1		16	8	19	1 1/4	7 1/4	14 1/2	12 3/4	21	6 1/4												16.0

STANDARD SIGN
W12-1D

WISCONSIN DEPT OF TRANSPORTATION

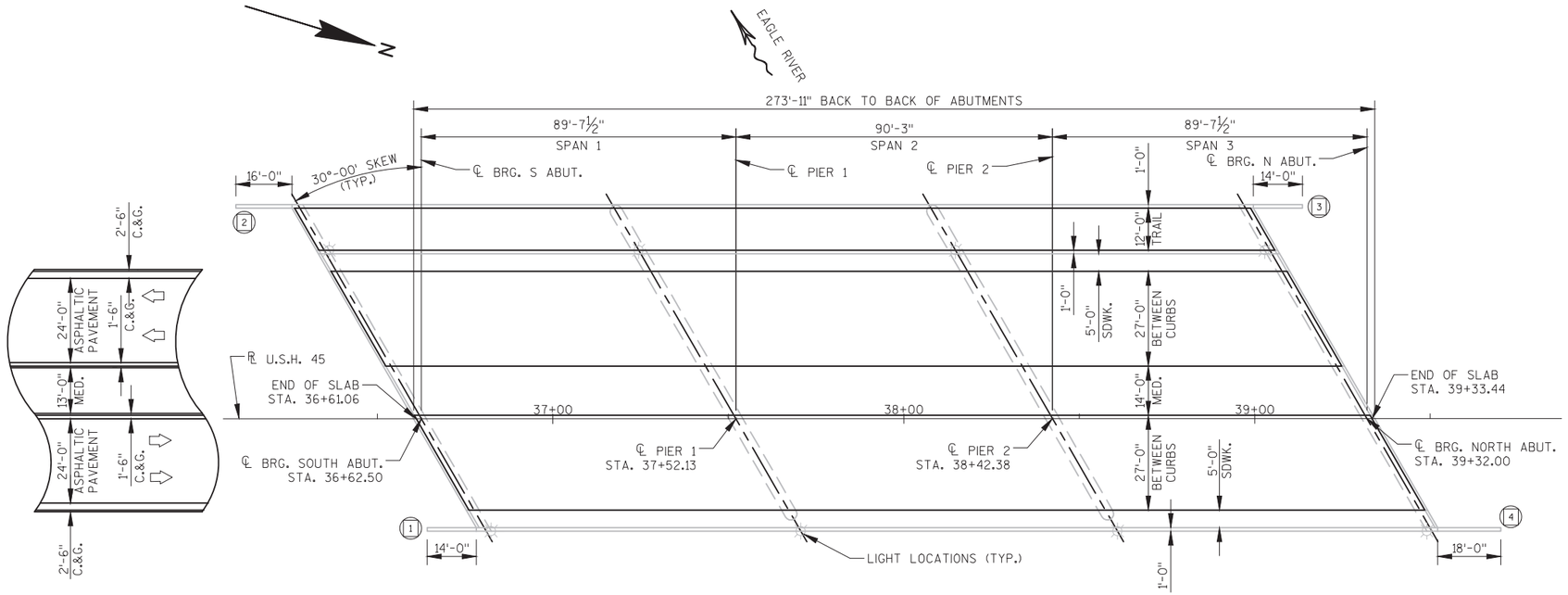
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/13/13 PLATE NO. W12-1D.15

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 241	E

STATE PROJECT NUMBER

1601-14-72

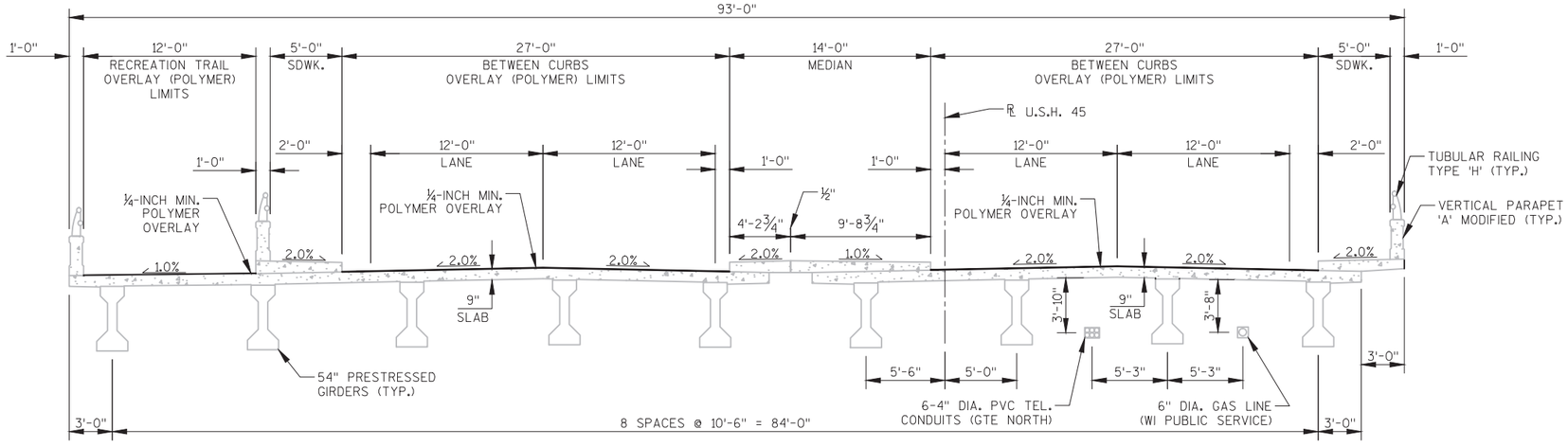


PLAN

POLYMER OVERLAY ON 3 SPAN - 54" PRESTRESSED GIRDER BRIDGE

BENCH MARKS

NO.	STATION	OFFSET	DESCRIPTION	ELEV.
05	35+99	107' RT	N. SIDE WEST BRACE, FLAG POLE	1638.67



DIRECTION OF TRAFFIC

WING WALL NUMBER

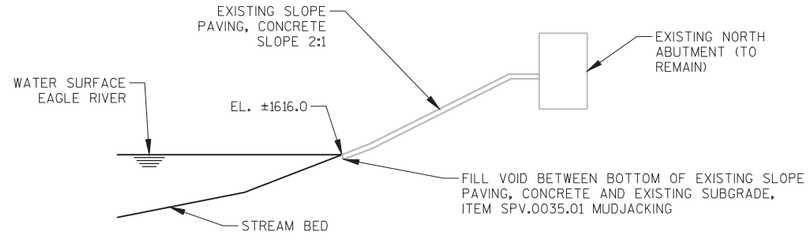
CROSS SECTION THRU ROADWAY

(LOOKING NORTH)

TOTAL ESTIMATED QUANTITIES

BID ITEM #	BID ITEMS	UNIT	N. ABUT.	SUPER	TOTAL
509.5100.S	POLYMER OVERLAY	SY	-	2,000	2,000
SPV.0035.01	MUDJACKING	CY	3	-	3

NOTE: ALL ITEMS ARE CATEGORY 0020.



MUDJACKING DETAIL

(NORMAL TO EAGLE RIVER)

DESIGN DATA

LIVE LOAD
DESIGN RATING: HS-20
INVENTORY RATING: HS-23
OPERATIONAL RATING: HS-38
WISCONSIN STANDARD PERMIT VEHICLE (Wis-SPV): 250 KIPS

TRAFFIC DATA

A.A.D.T. (2018) = 13,700
A.A.D.T. (2038) = 15,100
RDS = 40 MPH

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

VARIATIONS TO THE NEW GRADE LINE OVER ¼" MUST BE SUBMITTED BY THE FIELD ENGINEER TO THE STRUCTURES DESIGN SECTION FOR REVIEW.

DECK SURFACE PREPARATION IS INCLUDED IN THE BID ITEM "POLYMER OVERLAY."

CONTACTS

BUREAU OF STRUCTURES CONTACT
WILLIAM DREHER: 608-266-8489

CONSULTANT DESIGN CONTACT
BECHER HOPPE: 715-845-8000

LIST OF DRAWINGS

1. POLYMER OVERLAY PLAN

WISCONSIN
CHAD D. GRUNDEMANN
E-43616-6
WAUSAU, WI
PROFESSIONAL ENGINEER
1-20-2017

NO.	DATE	REVISION	BY

ORIGINAL PLANS PREPARED BY

BECHER HOPPE
330 Fourth Street • PO Box 8000
Wausau, WI • 54402-8000
715.845.8000 • Fax 715.845.8008
becherhoppe.com

ACCEPTED William C. Dreher SDR 02/22/17
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-63-15

USH 45 OVER EAGLE RIVER

COUNTY: VILAS
~~TOWN~~/CITY/~~VILLAGE~~: EAGLE RIVER
DESIGN SPEC.: REHABILITATION N/A

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
CJM	CKJ	DJG	CDG

POLYMER OVERLAY PLAN

SHEET 1 OF 1

242

I.D. 1601-14-72

DATE: Jan 2017

SCALE = NONE

8

8

Notes

Wisconsin Department of Transportation

Dedicated people creating transportation solutions
through innovation and exceptional service.

http://www.dot.wisconsin.gov