

PROJECT ID: 1000-92-90
WITH: N/A
COUNTY: MILWAUKEE/WAUKESHA

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 =



DESIGN DESIGNATION

A.A.D.T.	=
A.A.D.T.	=
D.H.V.	=
D.D.	=
T.	=
DESIGN SPEED	=
ESALS	=

SEE GENERAL NOTES FOR
MORE INFORMATION

CONVENTIONAL SYMBOLS

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

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

STH 794, IH 94
INTERSECTION/PENNSYLVANIA AND BARKER
VARIOUS HIGHWAYS
MILWAUKEE AND WAUKESHA COUNTIES

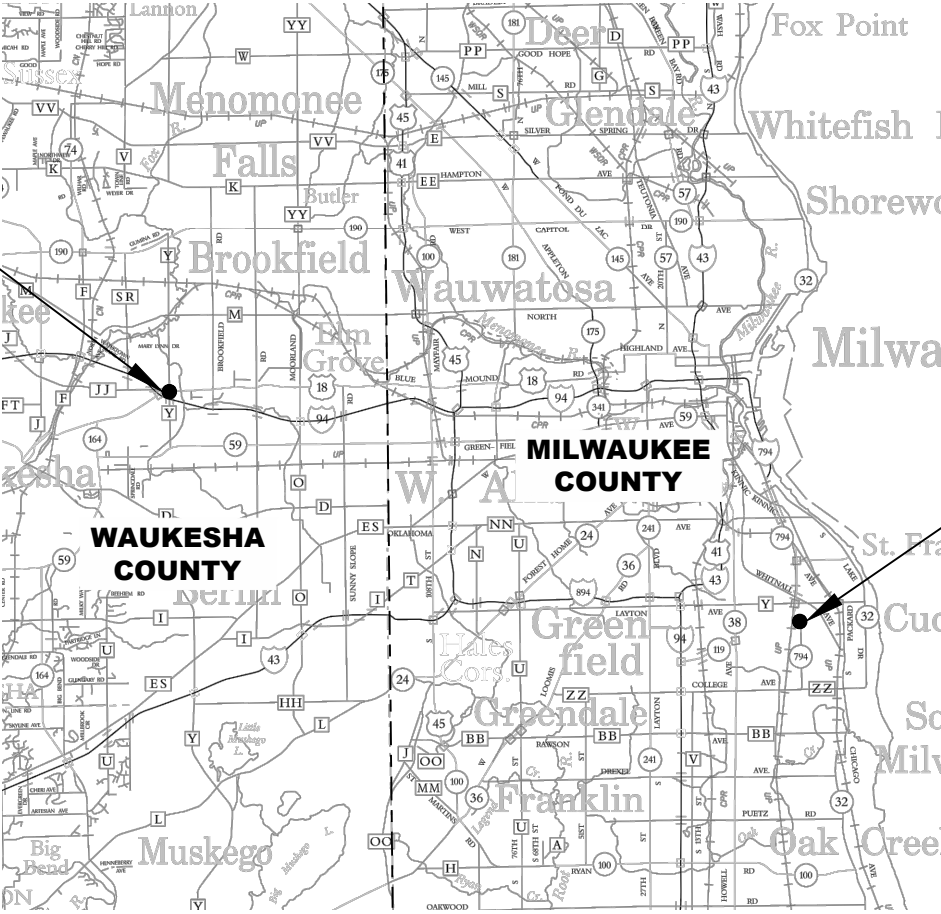
STATE PROJECT NUMBER
1000-92-90

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1000-92-90		

DRAFT PS&E PLAN
2/1/2020

IH 94 WB EXIT RAMP &
BARKER RD

STH 794 &
PENNSYLVANIA AVE



LAYOUT
SCALE 0 4 MI

TOTAL NET LENGTH OF CENTERLINE = 0.000 MI

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN
COORDINATE REFERENCE SYSTEM (WISCRS), MILWAUKEE COUNTY AND
WAUKESHA COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. POSITIONS
SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES.
GRID DISTANCES ARE THE SAME AS GROUND DISTANCES.

ELEVATIONS ARE REFERENCED TO NAVD 88 (2012). GPS DERIVED
ELEVATIONS ARE BASED ON GEOID 12A.

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY	
Surveyor	WISDOT
Designer	BRETT MATHENY
Project Manager	BRIAN PLUEMER
Regional Examiner	RICH HERRICK
Regional Supervisor	REEM SHAHIN

APPROVED FOR THE DEPARTMENT
DATE: _____
(Signature)

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ORDER OF SECTION 2 SHEETS

GENERAL NOTES
PROJECT OVERVIEW
CONSTRUCTION DETAILS
REMOVAL PLAN
PLAN DETAILS & EROSION CONTROL
CURB RAMP DETAILS
PERMANENT SIGNING
TRAFFIC SIGNAL PLAN
PAVEMENT MARKING
TRAFFIC CONTROL
ALIGNMENT PLAN

GENERAL NOTES

THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN. COORDINATE CONSTRUCTION ACTIVITIES WITH A CALL TO DIGGERS HOTLINE AND/OR A DIRECT CALL TO THE UTILITIES THAT HAVE FACILITIES IN THE AREA. NOT ALL UTILITIES ARE MEMBERS OF DIGGERS HOTLINE.

CONTACT THE PROJECT ENGINEER, THE COUNTY SURVEYOR, AND SEWRPC AT LEAST TWO WEEKS BEFORE WORKING NEAR ANY SECTION CORNER MONUMENT.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESHAPING AND SEEDING ANY PREVIOUSLY GRASSED AREAS WHICH ARE DISTURBED BY ANY OPERATION OUTSIDE OF THE NORMAL CONSTRUCTION LIMITS AT THE CONTRACTOR'S EXPENSE.

VERIFY EXISTING PAVEMENT ELEVATIONS AT ALL TIE-INS TO EXISTING PAVEMENT PRIOR TO CONSTRUCTION. NOTIFY ENGINEER IF A DISCREPANCY IS FOUND BETWEEN PROPOSED PLAN ELEVATIONS AND EXISTING PAVEMENT ELEVATIONS.

SAWCUT EXISTING ASPHALT AND CONCRETE PAVEMENT AT THE MATCHLINE AS INDICATED ON THE PLAN OR AS DIRECTED BY THE ENGINEER.

DISTURBED AREAS WITHIN THE RIGHT OF WAY ARE TO BE TOPSOILED (SALVAGED), FERTILIZED, SEEDED, AND MULCHED OR SODDED AS DIRECTED BY THE ENGINEER.

BACKFILL ALL OPENINGS AND HOLES LOCATED WITHIN THE ROADWAY RESULTING FROM REMOVALS OR ABANDONMENTS WITH GRANULAR BACKFILL UNLESS THE PLANS PROVIDE FOR ALTERNATE BACKFILL.

DO NOT REMOVE ANY TREES OR SHRUBS WITHOUT APPROVAL OF THE ENGINEER.

ALL SIGN LOCATIONS SHALL BE REVIEWED BY THE ENGINEER PRIOR TO INSTALLATION.

DESIGN DESIGNATION
(FROM TITLE SHEET)

INTERSECTION	ROADWAY	CURRENT AADT	DHV	DD	T	DESIGN SPEED
STH 794 & PENNSYLVANIA AVE	STH 794	10,460	620	85/15	8.0%	55 MPH
	PENNSYLVANIA AVE	17,000	2,170	70/30	3.9%	45 MPH
IH 94 WB EXIT RAMP & BARKER RD	IH 94 WB EXIT RAMP	9,070	980	95/5	13.2%	75 MPH
	BARKER RD	18,660	1,890	55/35	3.8%	40 MPH

UTILITY CONTACTS

AT&T LOCAL NETWORK
JENNIFER NAVARRO
6070 N FLINT RD
GLENDALE, WI 53209
PHONE: (414) 459-3564
EMAIL: j.navarro@northwindtech.com

AT&T WISCONSIN - MILWAUKEE COUNTY
MATTHEW DINNAUER
2005 PEWAUKEE RD
WAUKESHA, WI 53188
PHONE: (262) 896-7690
EMAIL: md9542@att.com

AT&T WISCONSIN - WAUKESHA COUNTY
TOM CROWLEY
2005 PEWAUKEE RD
WAUKESHA, WI 53188
PHONE: (262) 896-7427
EMAIL: tc1657@att.com

ATC MANAGEMENT, INC
TONY MARCINIAK
W234 N2000 RIDGEVIEW PARKWAY CT
P.O. BOX 47
WAUKESHA, WI 53187
PHONE: (262) 506-6814
EMAIL: amarciniak@atcllc.com

CENTURYLINK COMMUNICATIONS/LEVEL 3
SHAD GARCIA
3235 INTERTECH DR, SUITE 600
BROOKFIELD, WI 53045
PHONE: (414) 908-1009
EMAIL: shad.garcia@centurylink.com

CHARTER COMMUNICATIONS
SCOTT DIETRICH
1320 N MARTIN LUTHER KING JR DR
MILWAUKEE , WI 53212
PHONE: (414) 277-4283
EMAIL: scott.dietrich@charter.com

CROWN CASTLE
MARK MAYZURE
947 PARKVIEW BLVD
LOMBARD , IL 60148
PHONE: (630) 332-7362
EMAIL: mark.mayzure@crowncastle.com

MILWAUKEE METROPOLITAN SEWERAGE DISTRICT
MICKI KLAPPA- SULLIVAN
260 W SEEBOTH ST
MILWAUKEE, WI 53204
PHONE: (414) 225-2178
EMAIL: MKlappaSullivan@mmsd.com

PAETEC COMMUNICATIONS, LLC
MARY BETH FISHER
13935 BISHOPS DR
BROOKFIELD, WI 53045
PHONE: (262) 792-7938
EMAIL: Mary.B.Fisher@windstream.com

SPRINT COMMUNICATIONS CO LP
MIKE BALL
1901 N ROSELLE RD, SUITE 500
SCHAUMBURG, IL 60195
PHONE: (920) 970-9991

TDS METROCOM LLC
MICHAEL SWEET
525 JUNCTION RD
MADISON, WI 53717
PHONE: (608) 664-4539
EMAIL: michael.sweet@tdstelecom.com

WE ENERGIES - ELECTRIC
BRYAN STOEHR
500 S 116TH ST
WEST ALLIS, WI 53214
PHONE: (414) 944-5516
EMAIL: bryan.stoehr@we-energies.com

WE ENERGIES - GAS
ABIGAIL TANNER
500 S 116TH ST
WEST ALLIS, WI 53214
PHONE: (414) 751-7273
EMAIL: abigail.tanner@we-energies.com

WISDOT CONTACTS

WISDOT PROJECT MANAGER
BRIAN PLUEMER
141 NW BARSTOW ST
WAUKESHA, WI 53187
PHONE: (262) 548-6721
EMAIL: Brian.Pluemer@dot.wi.gov

WISDOT COMMUNICATIONS ENGINEER
JOHN MITTLESTADT
433 W ST PAUL AVE
MILWAUKEE, WI 53223
PHONE: (608) 205-7859
PHONE: john.mittlestadt@dot.wi.gov

WISDOT SIGNALS ENGINEER
PARWINDER VIRK
141 NW BARSTOW ST
WAUKESHA, WI 53187
PHONE: (414) 852-0829
EMAIL: Parwinder.Virk@dot.wi.gov

WISDOT TRAFFIC LIGHTING
ERIC PEREA, SE REGION LIGHTING ENGINEER
141 NW BARSTOW ST
WAUKESHA, WI 53188
PHONE: (262) 574-5422
EMAIL: eric.perea@dot.wi.gov

TRANSIT CONTACTS

MILWAUKEE COUNTY TRANSIT
MELANIE FLYNN, COORDINATOR OF STREET SUPERVISION
1942 N 17TH ST
MILWAUKEE, WI 53205
PHONE: (414) 343-1764
EMAIL: MFLYNN@MCTS.ORG

MILWAUKEE COUNTY TRANSIT
ANDY TILLMAN, TRANSIT PLANNER
1942 N 17TH ST
MILWAUKEE, WI 53205
PHONE: (414) 343-1728
EMAIL: ATillman@mcts.org

MILWAUKEE COUNTRY TRANSIT
DAVID LOCHER, TRANSPORTATION SPECIALIST
1942 N 17TH ST
MILWAUKEE, WI 53205
PHONE: (414) 343-1727
EMAIL: DLocher@mcts.org

WAUKESHA METRO TRANSIT
BRIAN ENGELKING, TRANSIT MANAGER
2311 BADGER DR
WAUKESHA, WI 53188
PHONE: (262) 524-3634
EMAIL: BENGELKI@CI.WAUKESHA.WI.US

WAUKESHA COACH LINES
TOM DIECKELMAN, PRESIDENT
1520 ARCADIAN AVE
WAUKESHA, WI 53188
PHONE: (262) 542-8861 EXT 140
EMAIL: TOMDIECKELMAN@COACHUSA.COM

WIS DNR CONTACTS

WISCONSIN DNR LIAISON - MILWAUKEE COUNTY
KRISTINA BETZOLD
2300 N. DR. MARTIN LUTHER KING DR
MILWAUKEE, WI 53212
PHONE: (414) 507-4946
EMAIL: Kristina.Betzold@wisconsin.gov

WISCONSIN DNR LIAISON - WAUKESHA COUNTY
CRAIG WEBSTER
141 NW BARSTOW ST ROOM 180
WAUKESHA, WI 53188
PHONE: (262) 574-2141
EMAIL: Craig.Webster@wisconsin.gov

CITY CONTACTS

CITY OF CUDAHY
MARY JO LANGE, DIRECTOR OF PUBLIC WORKS
5050 S LAKE DR
CUDAHY, WI 53110
PHONE: (414) 769-2253
EMAIL: langemj@ci.cudahy.wi.us

TOWN CONTACTS

TOWN OF BROOKFILED
JEFF GOLNER, SUPERINTENDENT
645 N JANACEK RD
BROOKFILED, WI 53045
PHONE: (262) 796-3795
EMAIL: DPW@townofbrookfield.com

COUNTY CONTACTS

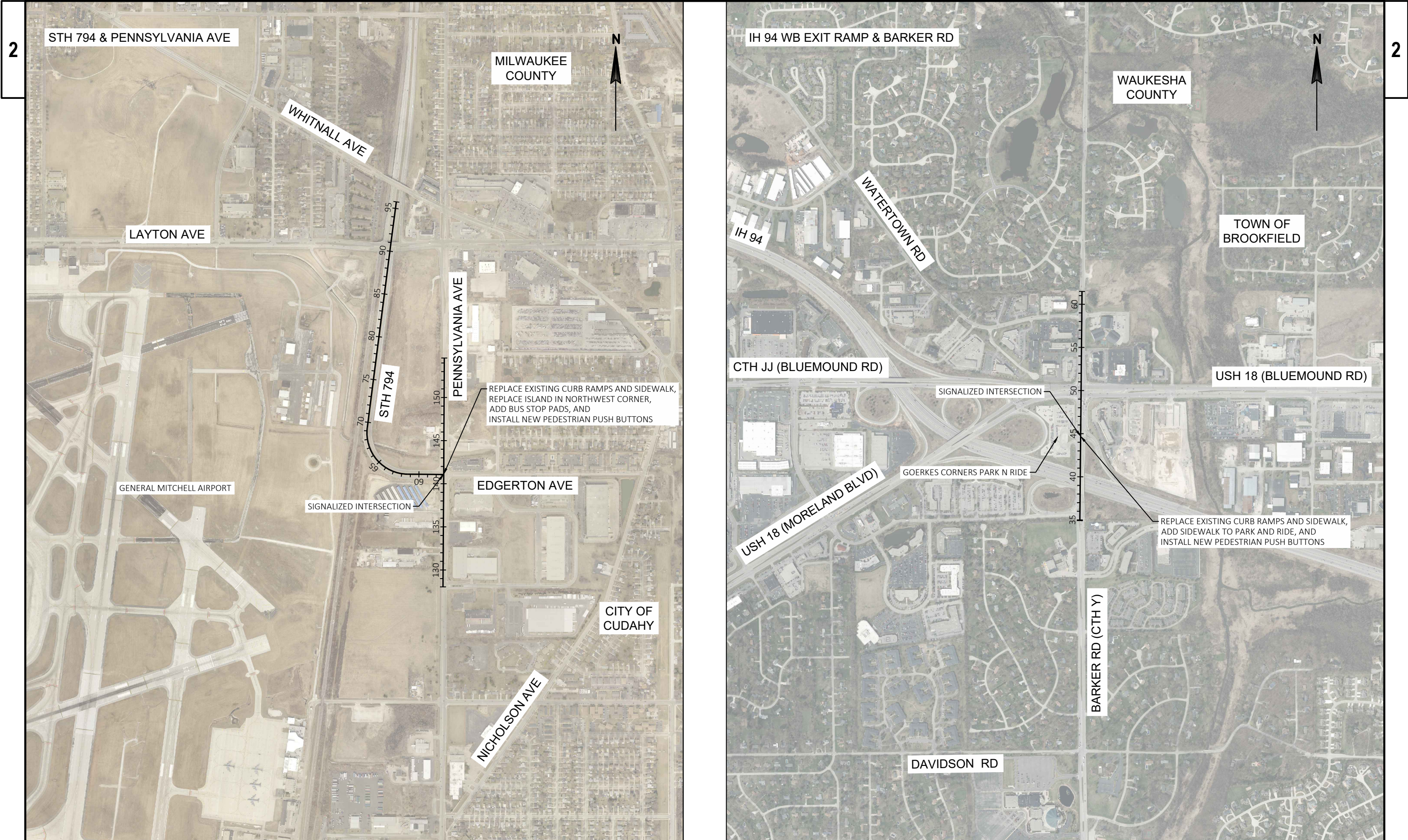
MILWAUKEE COUNTY
ANDREA WEDDLE- HENNING, ENGINEERING MANAGER
10320 W WATERTOWN PLANK RD, 2ND FLOOR
WAUWATOSA, WI 53226
PHONE: (414) 257-5910
EMAIL: andrea.weddle-henning@milwaukeecountywi.gov

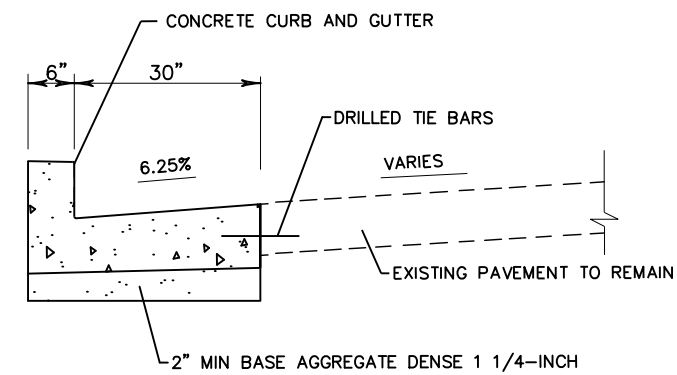
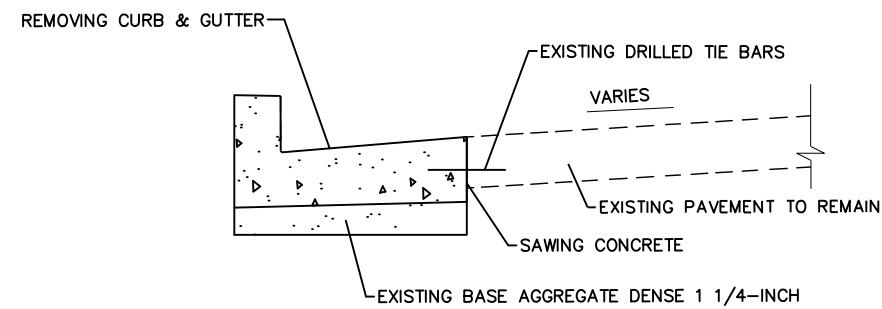
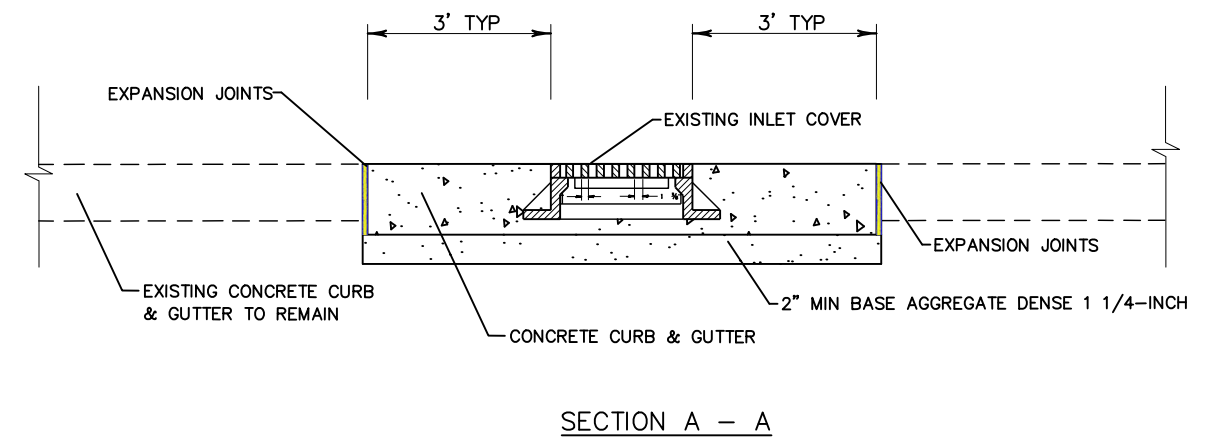
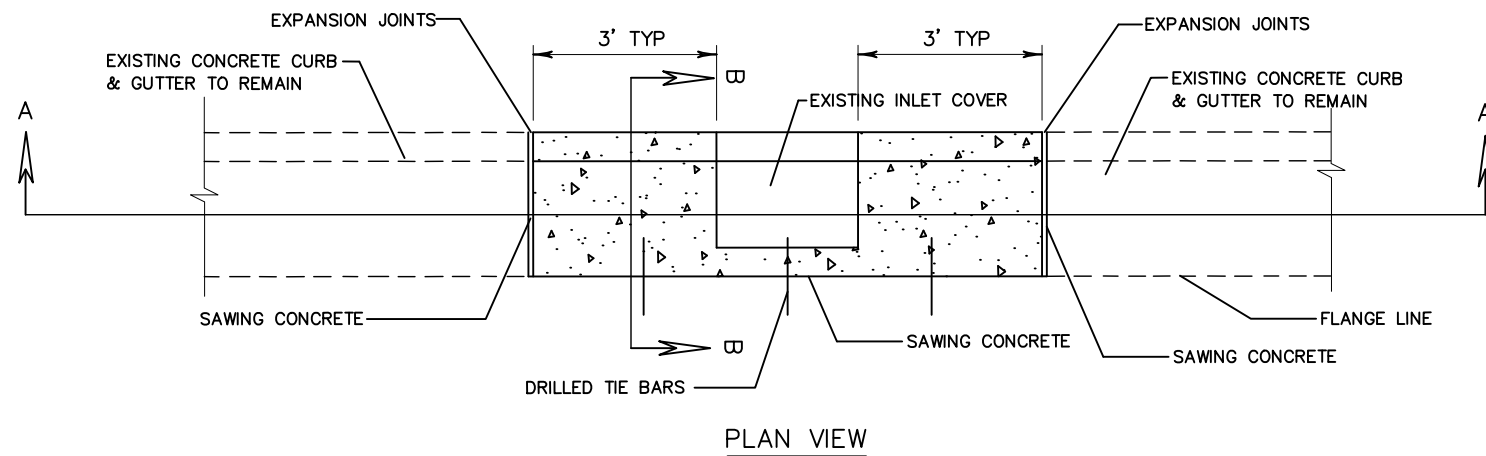
WAUKESHA COUNTY
CAROLYNN GELLINGS, ENGINEERING MANAGER
515 W MORELAND BLVD, ROOM 220
WAUKESHA, WI 53188
PHONE: (262) 548-7740
EMAIL: CGellings@WaukeshaCounty.gov

DIGGERSHOTLINE

Dial 811 or (800)242-8511

www.DiggersHotline.com





ADJUSTING INLET COVERS & REPLACING
CONCRETE CURB & GUTTER
SEE PLAN DETAILS FOR LOCATIONS

GENERAL NOTES

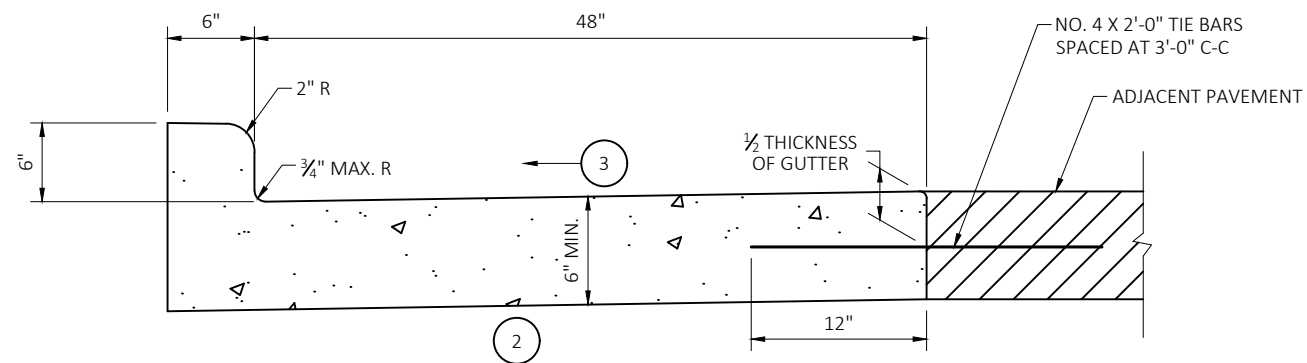
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

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

1 DRILLED TIE BARS ARE REQUIRED FOR CURB AND GUTTER TYPE G.

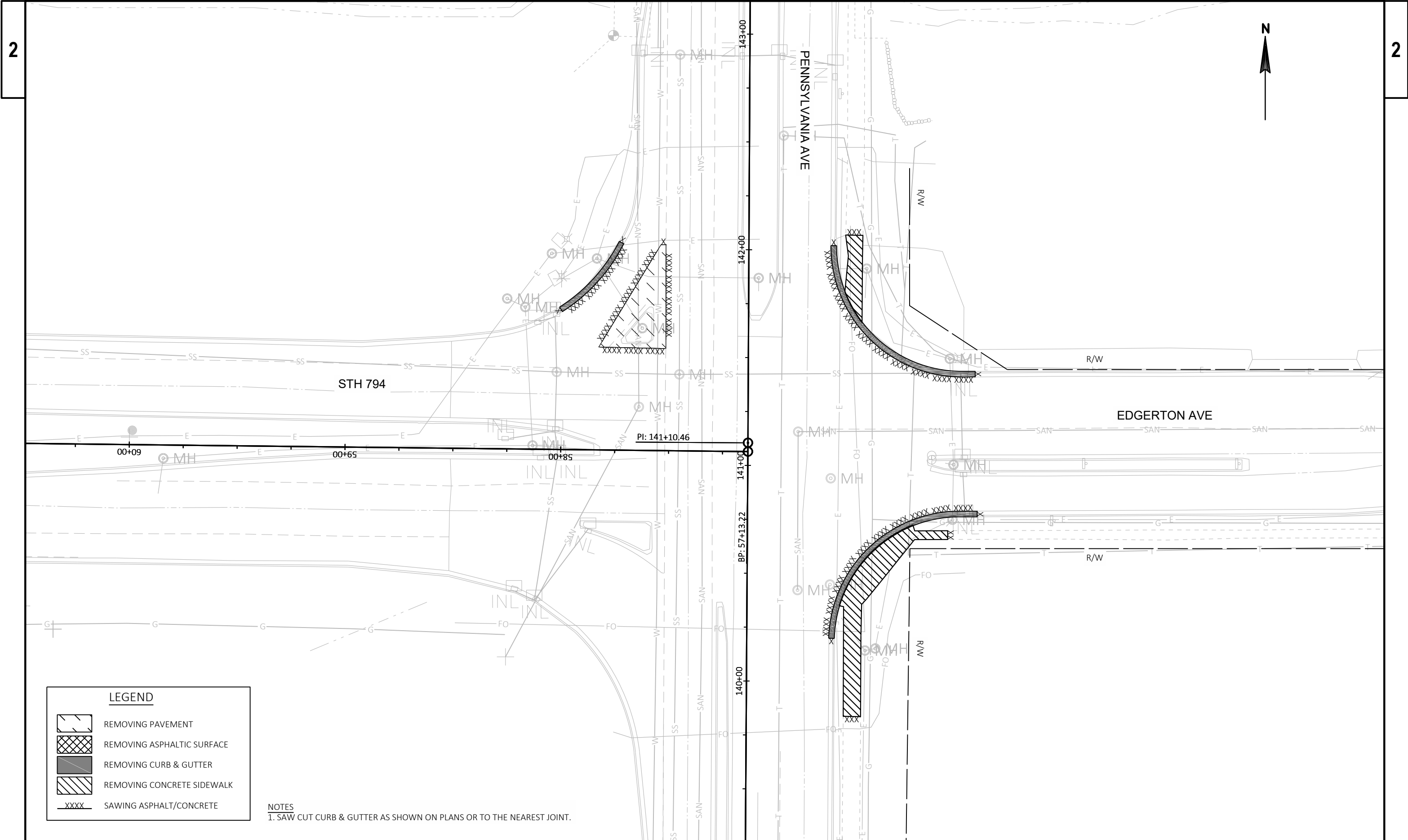
2 THE BOTTOM OF THE CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

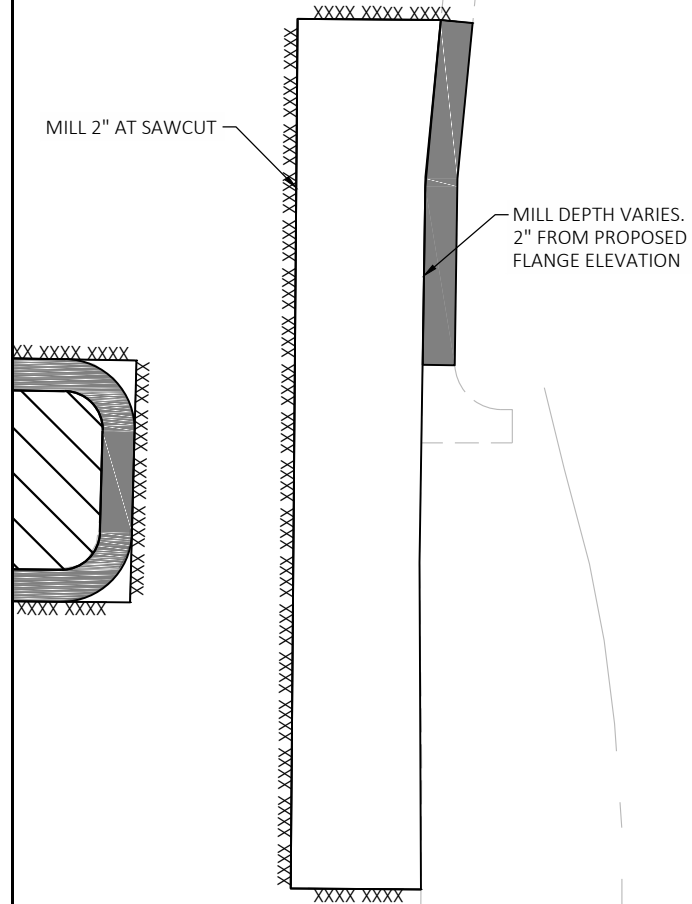
3 USE 4% GUTTER SLOPE UNLESS OTHERWISE NOTED IN THE PLANS.



1
CONCRETE CURB & GUTTER
54-INCH TYPE A

STH 794 & PENNSYLVANIA AVE





GOERKES CORNERS
PARK N' RIDE

REMOVING ASPHALTIC
SURFACE MILLING
(2\"/>

REMOVING SURFACE DRAINS

LEGEND

- | | |
|--|----------------------------|
| | REMOVING PAVEMENT |
| | REMOVING ASPHALTIC SURFACE |
| | REMOVING CURB & GUTTER |
| | REMOVING CONCRETE SIDEWALK |
| | SAWING ASPHALT/CONCRETE |

NOTES

1. SAW CUT CURB & GUTTER AS SHOWN ON PLANS OR TO THE NEAREST JOINT.

PROJECT NO: 1000-92-90

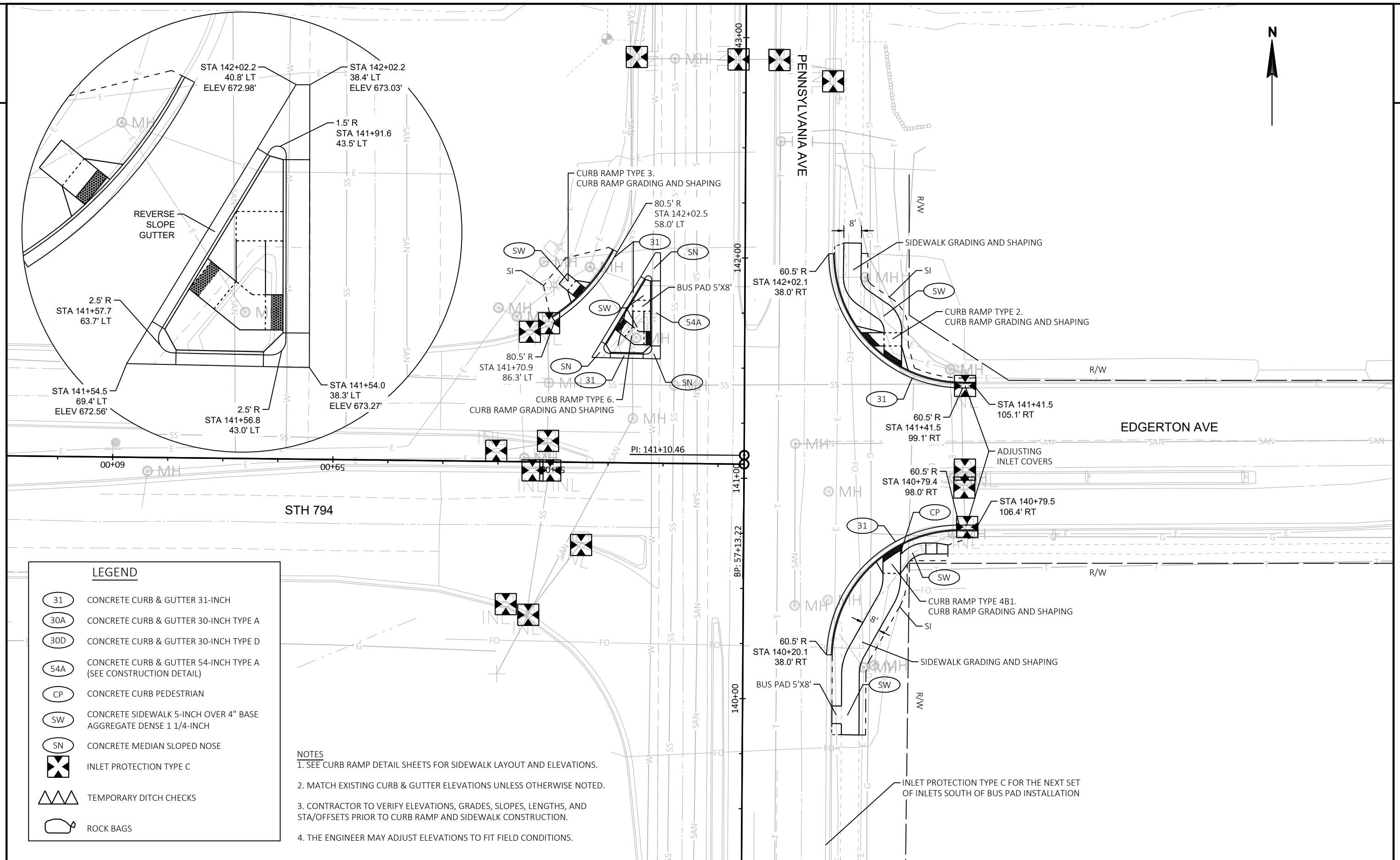
HWY: VAR HWY

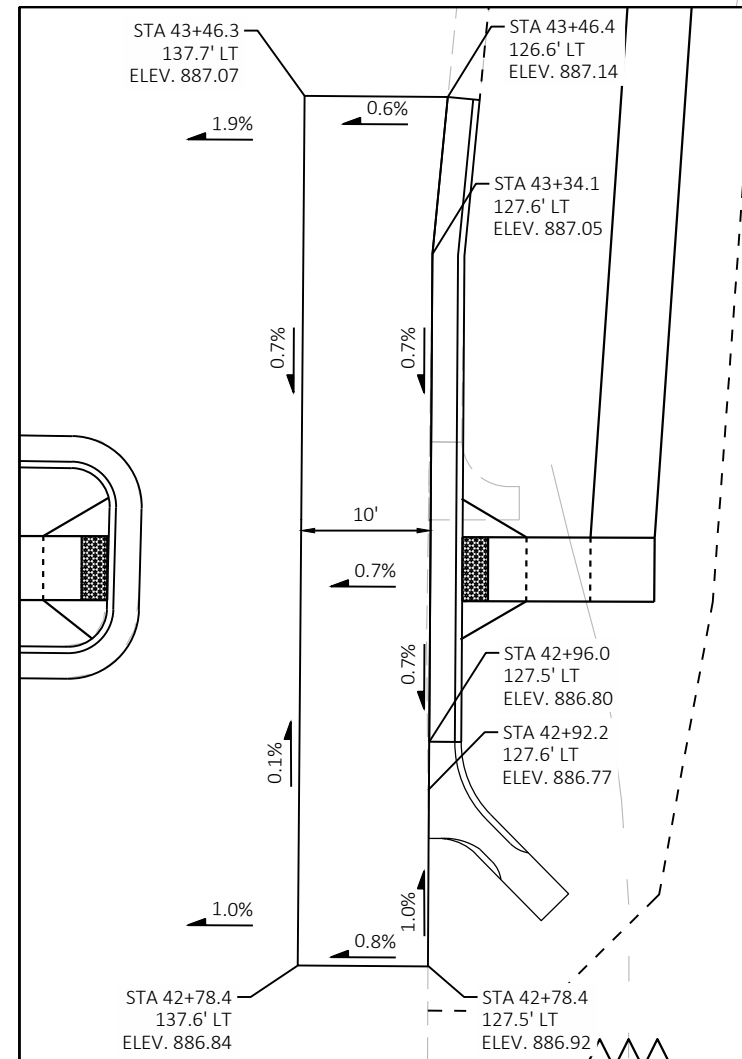
COUNTY: WAUKESHA

REMOVAL PLAN - IH 94 WB EXIT RAMP & BARKER RD

SHEET

E





GOERKES CORNERS
PARK N' RIDE

INLET PROTECT TYPE C FOR THE NEXT SET
OF INLETS NORTH OF THE EXIT RAMP

BARKER RD

CURB RAMP TYPE 5.
CURB RAMP GRADING AND SHAPING

CURB RAMP TYPE 4B.
CURB RAMP GRADING AND SHAPING

ADJUSTING INLET
COVERS

ADJUSTING
INLET
COVERS

CURB RAMP TYPE 4B1.
CURB RAMP GRADING AND SHAPING

SIDEWALK GRADING AND SHAPING

SILT FENCE

CURB RAMP TYPE 3.
CURB RAMP GRADING AND SHAPING

IH 94 WB EXIT RAMP



LEGEND

- 31 CONCRETE CURB & GUTTER 31-INCH
- 30A CONCRETE CURB & GUTTER 30-INCH TYPE A
- 30D CONCRETE CURB & GUTTER 30-INCH TYPE D
- 54A CONCRETE CURB & GUTTER 54-INCH TYPE A
(SEE CONSTRUCTION DETAIL)
- CP CONCRETE CURB PEDESTRIAN
- SW CONCRETE SIDEWALK 5-INCH OVER 4" BASE
AGGREGATE DENSE 1 1/4-INCH
- SN CONCRETE MEDIAN SLOPED NOSE
- INLET PROTECTION TYPE C
- TEMPORARY DITCH CHECKS
- ROCK BAGS

REMOVING 2" ASPHALTIC SURFACE MILLING
AND REPLACE WITH 2" ASPHALTIC SURFACE

STA 43+19.7
172.8' LT

STA 43+00.6
172.8' LT

CURB RAMP TYPE 3.
CURB RAMP GRADING AND SHAPING

CONCRETE SURFACE DRAIN

SIDEWALK GRADING AND SHAPING

CURB RAMP TYPE 3.
CURB RAMP GRADING AND SHAPING

NOTES

1. SEE CURB RAMP DETAIL SHEETS FOR SIDEWALK LAYOUT AND ELEVATIONS.
2. MATCH EXISTING CURB & GUTTER ELEVATIONS UNLESS OTHERWISE NOTED.
3. CONTRACTOR TO VERIFY ELEVATIONS, GRADES, SLOPES, LENGTHS, AND STA/OFFSETS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
4. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONDITIONS.

PROJECT NO: 1000-92-90

HWY: VAR HWY

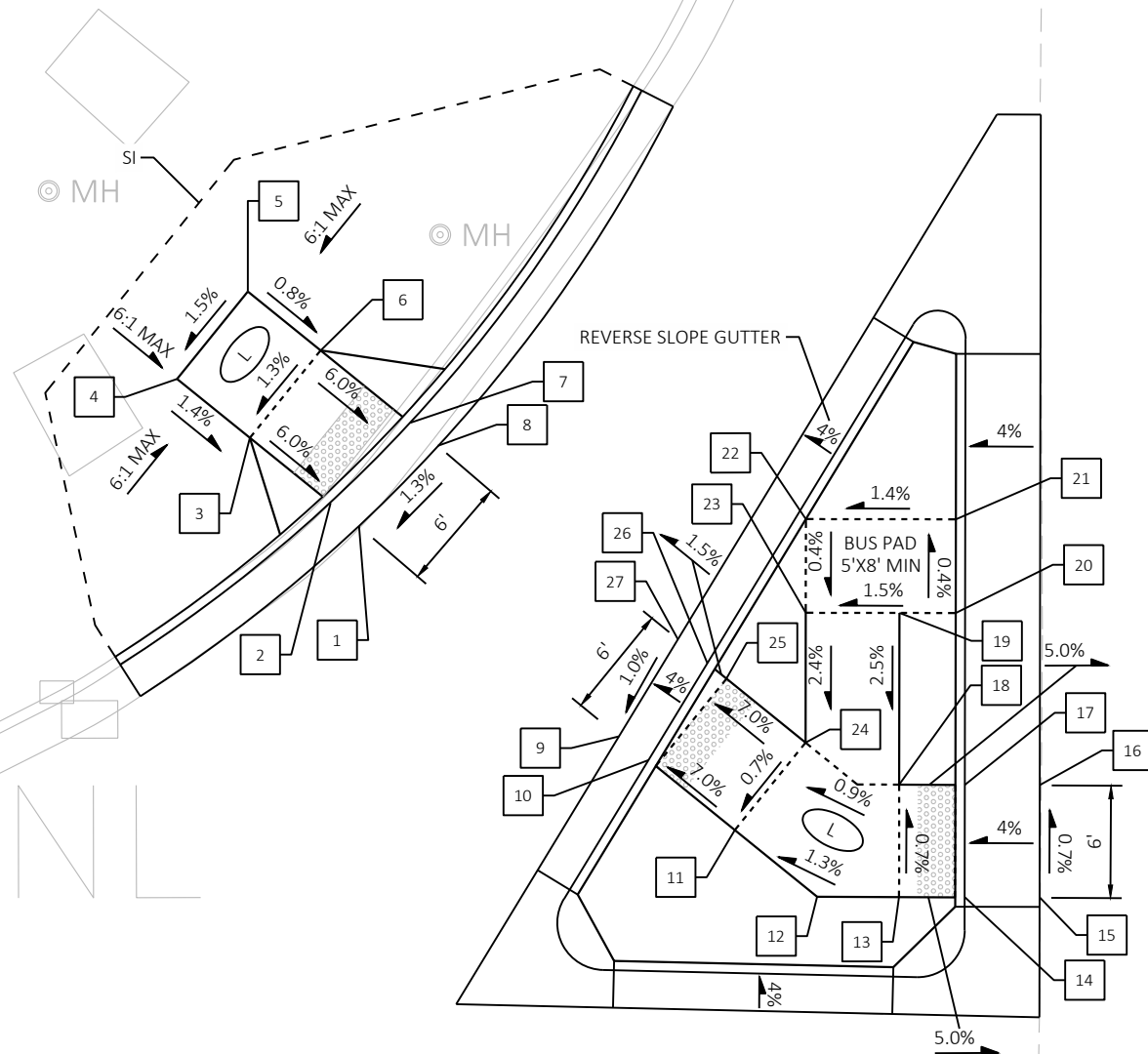
COUNTY: WAUKESHA

PLAN DETAILS & EROSION CONTROL - IH 94 WB EXIT RAMP & BARKER RD

SHEET

E

NW CORNER - NORTH SECTION			
POINT	STATION	OFFSET	ELEVATION
1	141+80.0	74.7' LT	672.22 (F)
2	141+81.3	76.2' LT	672.14 (G)
3	141+84.7	80.5' LT	672.47
4	141+87.8	84.4' LT	672.54
5	141+92.5	80.7' LT	672.63
6	141+89.4	76.8' LT	672.59
7	141+85.6	72.0' LT	672.22 (G)
8	141+84.3	70.5' LT	672.30 (F)



PENNSYLVANIA AVE

142+00



NW CORNER - SOUTH SECTION			
POINT	STATION	OFFSET	ELEVATION
9	141+68.9	60.8' LT	672.61 (F)
10	141+67.6	59.2' LT	672.69 (G)
11	141+63.9	54.6' LT	673.11
12	141+60.4	50.2' LT	673.18
13	141+60.4	45.8' LT	673.24
14	141+60.4	42.3' LT	673.06 (G)
15	141+60.4	38.3' LT	673.22 (F)
16	141+66.4	38.3' LT	673.18 (F)
17	141+66.4	42.3' LT	673.02 (G)
18	141+66.4	45.8' LT	673.20
19	141+75.5	45.8' LT	673.43
20	141+75.6	42.8' LT	673.47
21	141+80.6	42.9' LT	673.45
22	141+80.5	50.9' LT	673.34
23	141+75.5	50.8' LT	673.32
24	141+68.6	50.8' LT	673.15
25	141+72.0	55.0' LT	672.77
26	141+72.8	56.1' LT	672.75 (G)
27	141+74.1	57.6' LT	672.67 (F)

STH 794

LEGEND

-  LANDING
-  DETECTABLE WARNING FIELD YELLOW
-  GRADE BREAK LINE

NOTES

- USE GRADED FLARE UNLESS OTHERWISE NOTED.
- MATCH EXISTING CURB & GUTTER ELEVATIONS UNLESS OTHERWISE NOTED.
- CONTRACTOR TO VERIFY ELEVATIONS, GRADES, SLOPES, LENGTHS, AND STA/OFFSETS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
- THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONDITIONS.

PROJECT NO: 1000-92-90

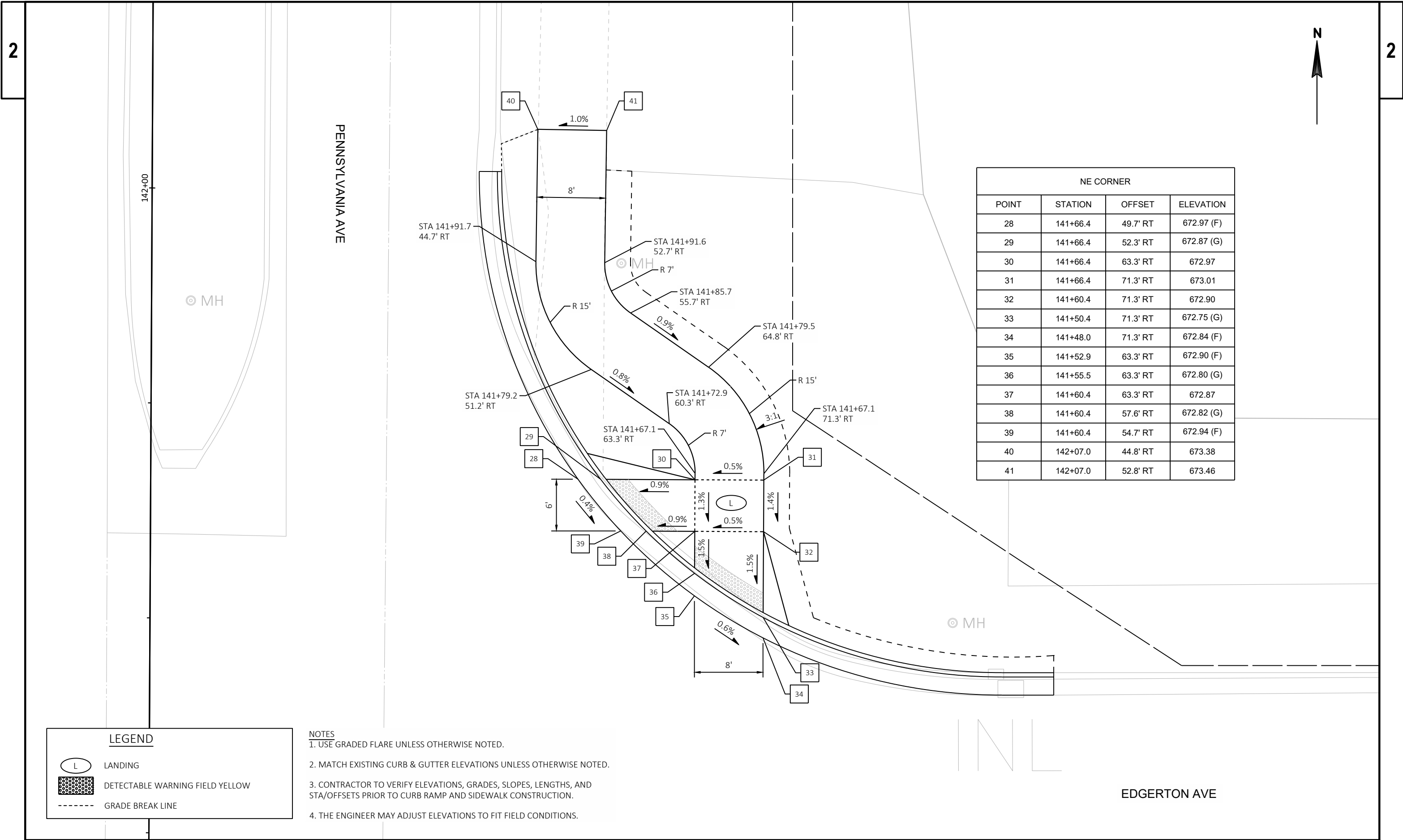
HWY: VAR HWY

COUNTY: MILWAUKEE

CURB RAMP DETAILS - STH 794 & PENNSYLVANIA AVE

SHEET

E



NE CORNER			
POINT	STATION	OFFSET	ELEVATION
28	141+66.4	49.7' RT	672.97 (F)
29	141+66.4	52.3' RT	672.87 (G)
30	141+66.4	63.3' RT	672.97
31	141+66.4	71.3' RT	673.01
32	141+60.4	71.3' RT	672.90
33	141+50.4	71.3' RT	672.75 (G)
34	141+48.0	71.3' RT	672.84 (F)
35	141+52.9	63.3' RT	672.90 (F)
36	141+55.5	63.3' RT	672.80 (G)
37	141+60.4	63.3' RT	672.87
38	141+60.4	57.6' RT	672.82 (G)
39	141+60.4	54.7' RT	672.94 (F)
40	142+07.0	44.8' RT	673.38
41	142+07.0	52.8' RT	673.46

LEGEND

L

LANDING

DETECTABLE WARNING FIELD YELLOW

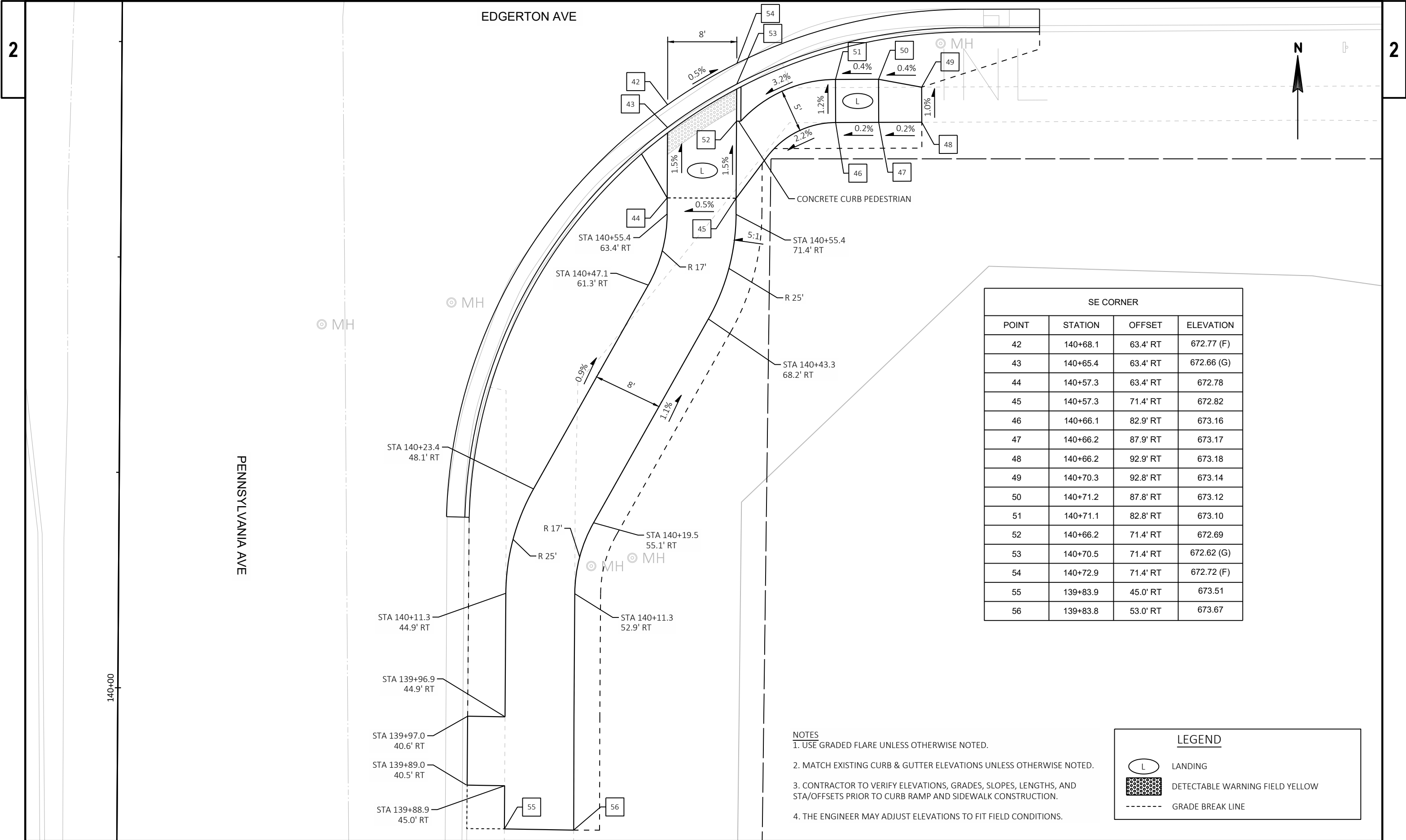
GRADE BREAK LINE

- NOTES
1. USE GRADED FLARE UNLESS OTHERWISE NOTED.

2. MATCH EXISTING CURB & GUTTER ELEVATIONS UNLESS OTHERWISE NOTED.

3. CONTRACTOR TO VERIFY ELEVATIONS, GRADES, SLOPES, LENGTHS, AND STA/OFFSETS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.

4. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONDITIONS.



SE CORNER			
POINT	STATION	OFFSET	ELEVATION
42	140+68.1	63.4' RT	672.77 (F)
43	140+65.4	63.4' RT	672.66 (G)
44	140+57.3	63.4' RT	672.78
45	140+57.3	71.4' RT	672.82
46	140+66.1	82.9' RT	673.16
47	140+66.2	87.9' RT	673.17
48	140+66.2	92.9' RT	673.18
49	140+70.3	92.8' RT	673.14
50	140+71.2	87.8' RT	673.12
51	140+71.1	82.8' RT	673.10
52	140+66.2	71.4' RT	672.69
53	140+70.5	71.4' RT	672.62 (G)
54	140+72.9	71.4' RT	672.72 (F)
55	139+83.9	45.0' RT	673.51
56	139+83.8	53.0' RT	673.67

- NOTES
- 1. USE GRADED FLARE UNLESS OTHERWISE NOTED.
 - 2. MATCH EXISTING CURB & GUTTER ELEVATIONS UNLESS OTHERWISE NOTED.
 - 3. CONTRACTOR TO VERIFY ELEVATIONS, GRADES, SLOPES, LENGTHS, AND STA/OFFSETS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
 - 4. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONDITIONS.

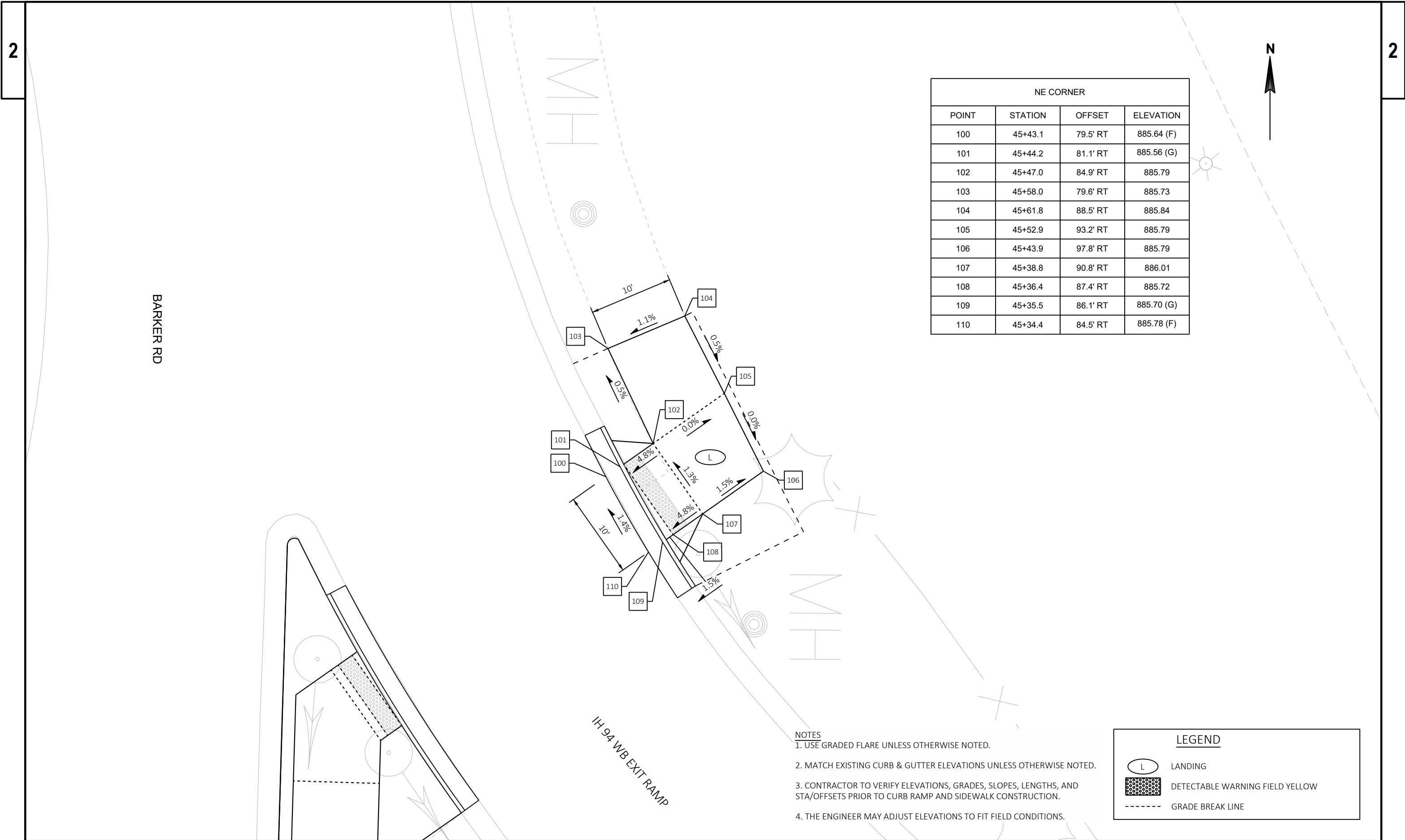
LEGEND

L

LANDING

DETECTABLE WARNING FIELD YELLOW

GRADE BREAK LINE



NE CORNER			
POINT	STATION	OFFSET	ELEVATION
100	45+43.1	79.5' RT	885.64 (F)
101	45+44.2	81.1' RT	885.56 (G)
102	45+47.0	84.9' RT	885.79
103	45+58.0	79.6' RT	885.73
104	45+61.8	88.5' RT	885.84
105	45+52.9	93.2' RT	885.79
106	45+43.9	97.8' RT	885.79
107	45+38.8	90.8' RT	886.01
108	45+36.4	87.4' RT	885.72
109	45+35.5	86.1' RT	885.70 (G)
110	45+34.4	84.5' RT	885.78 (F)

- NOTES
1. USE GRADED FLARE UNLESS OTHERWISE NOTED.
 2. MATCH EXISTING CURB & GUTTER ELEVATIONS UNLESS OTHERWISE NOTED.
 3. CONTRACTOR TO VERIFY ELEVATIONS, GRADES, SLOPES, LENGTHS, AND STA/OFFSETS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
 4. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONDITIONS.

LEGEND

L

LANDING

DETECTABLE WARNING FIELD YELLOW

GRADE BREAK LINE

EAST PORK CHOP ISLAND			
POINT	STATION	OFFSET	ELEVATION
111	44+63.2	52.6' RT	889.02 (F)
112	44+65.2	52.7' RT	888.94 (G)
113	44+66.9	52.7' RT	888.94
114	44+68.9	52.7' RT	888.98
115	44+73.9	52.8' RT	888.91
116	44+74.1	42.8' RT	888.97
117	44+89.1	42.7' RT	889.04
118	44+66.5	42.7' RT	888.99 (G)
119	44+63.9	42.6' RT	889.10 (F)
120	45+23.9	52.8' RT	886.75 (F)
121	45+22.8	51.2' RT	886.67 (G)
122	45+22.0	50.2' RT	886.69
123	45+20.9	48.6' RT	886.83
124	45+20.3	47.8' RT	886.91
125	45+17.4	43.7' RT	886.94
126	45+07.4	43.5' RT	886.99
127	45+07.2	53.5' RT	887.08
128	45+12.2	53.6' RT	887.00
129	45+12.8	54.4' RT	886.92
130	45+14.2	56.5' RT	886.78 (G)
131	45+15.4	58.1' RT	886.86 (F)

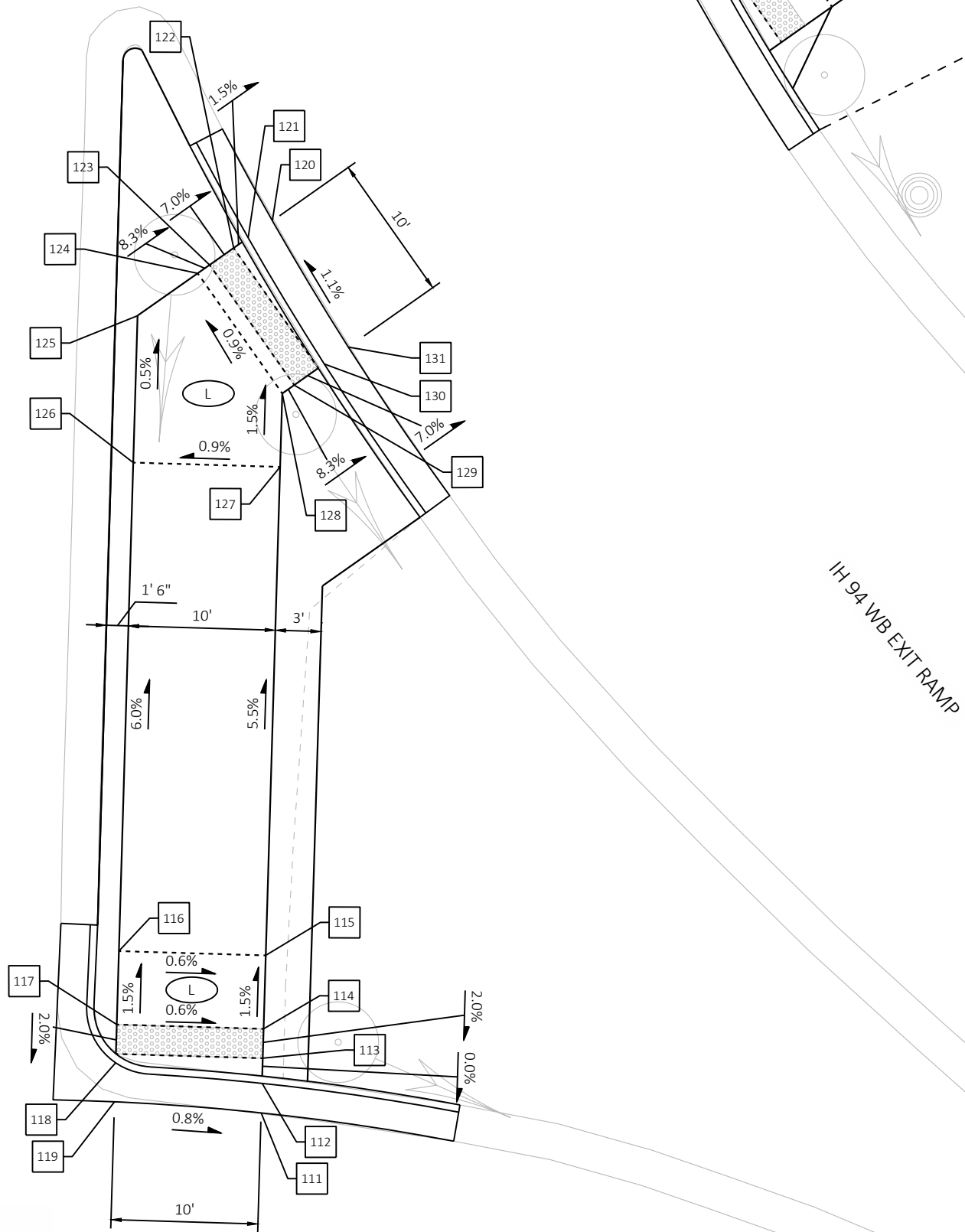
LEGEND

-  LANDING
-  DETECTABLE WARNING FIELD YELLOW
-  GRADE BREAK LINE

NOTES

1. USE GRADED FLARE UNLESS OTHERWISE NOTED.
2. MATCH EXISTING CURB & GUTTER ELEVATIONS UNLESS OTHERWISE NOTED.
3. CONTRACTOR TO VERIFY ELEVATIONS, GRADES, SLOPES, LENGTHS, AND STA/OFFSETS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
4. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONDITIONS.

BARKER RD



LEGEND

- (L) LANDING
- DETECTABLE WARNING FIELD YELLOW
- GRADE BREAK LINE

NOTES

1. USE GRADED FLARE UNLESS OTHERWISE NOTED.
2. MATCH EXISTING CURB & GUTTER ELEVATIONS UNLESS OTHERWISE NOTED.
3. CONTRACTOR TO VERIFY ELEVATIONS, GRADES, SLOPES, LENGTHS, AND STA/OFFSETS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
4. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONDITIONS.

SOUTH MEDIAN CUT THROUGH

POINT	STATION	OFFSET	ELEVATION
155	43+74.0	19.6' LT	893.34 (F)
156	43+74.0	17.6' LT	893.26 (G)
157	43+74.0	11.8' LT	893.55 (G)
158	43+74.0	9.8' LT	893.63 (F)
159	43+69.0	9.8' LT	893.85 (F)
160	43+69.0	11.8' LT	893.77 (G)
161	43+69.0	17.7' LT	893.47 (G)
162	43+69.0	19.7' LT	893.55 (F)
163	43+74.0	0.4' RT	893.76 (F)
164	43+74.0	2.4' RT	893.68 (G)
165	43+74.0	8.1' RT	893.43 (G)
166	43+74.0	10.1' RT	893.51 (F)
167	43+69.0	10.1' RT	893.74 (F)
168	43+69.0	8.1' RT	893.66 (G)
169	43+69.0	2.4' RT	893.91 (G)
170	43+69.0	0.4' RT	893.99 (F)

BARKER RD

44+00

IH 94 WB EXIT RAMP



SE CORNER - NORTH SECTION

POINT	STATION	OFFSET	ELEVATION
132	44+29.1	51.9' RT	889.59 (F)
133	44+27.1	51.9' RT	889.51 (G)
134	44+24.6	51.9' RT	889.69
135	44+21.6	51.8' RT	889.94
136	44+16.6	51.7' RT	890.02
137	44+16.8	41.7' RT	890.17
138	44+21.8	41.8' RT	890.11
139	44+24.8	41.9' RT	890.11
140	44+26.8	41.9' RT	889.97
141	44+27.9	41.9' RT	889.97 (G)
142	44+29.9	42.0' RT	890.05 (F)

SE CORNER - SOUTH SECTION

POINT	STATION	OFFSET	ELEVATION
143	43+74.0	33.6' RT	893.13 (F)
144	43+74.0	35.6' RT	893.05 (G)
145	43+74.0	38.1' RT	893.23
146	43+74.0	40.8' RT	893.45
147	43+74.0	50.8' RT	893.40
148	43+69.0	50.8' RT	893.48
149	43+59.0	50.2' RT	894.31
150	43+59.0	40.6' RT	894.30
151	43+69.0	40.8' RT	893.53
152	43+69.0	38.1' RT	894.45
153	43+69.0	35.6' RT	893.27 (G)
154	43+69.0	33.6' RT	893.35 (F)

PROJECT NO: 1000-92-90

HWY: VAR HWY

COUNTY: WAUKESHA

CURB RAMP DETAILS - IH 94 WB EXIT RAMP & BARKER RD

SHEET

E

The diagram illustrates a mechanical test specimen with the following details:

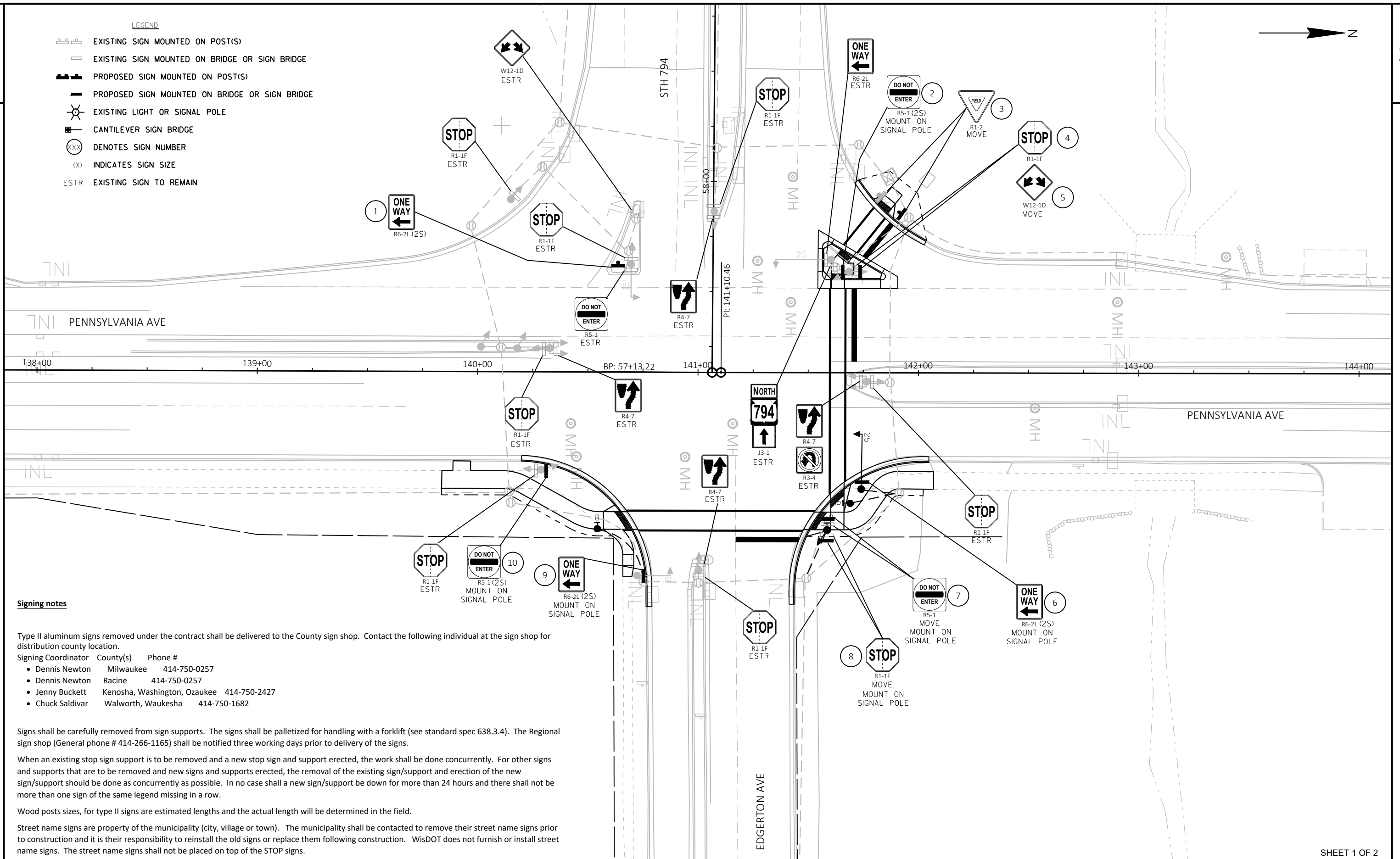
- Dimensions and Geometry:**
 - Overall width: 0.2%
 - Overall height: 1.5
 - Central hole diameter: L
 - Weld joint thickness: 0.2%
 - Weld joint width: 1.5%
 - Hatched area width: 7.0%
 - Hatched area height: 7.0%
- Material Properties:**
 - 0.2% (indicated by an arrow pointing right)
 - 1.5% (indicated by an arrow pointing right)
 - 7.0% (indicated by an arrow pointing right)
- Callouts:**
 - 171: Top right corner
 - 172: Top right corner (inner)
 - 173: Top right corner (outer)
 - 174: Top left corner
 - 175: Bottom left corner
 - 176: Bottom center
 - 177: Bottom right corner
 - 178: Bottom right corner (inner)

LEGEND

	LANDING
	DETECTABLE WARNING FIELD YELLOW
	GRADE BREAK LINE

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
PROPOSED SIGN MOUNTED ON POST(S)
PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
EXISTING LIGHT OR SIGNAL POLE
CANTILEVER SIGN BRIDGE
DENOTES SIGN NUMBER
(X) INDICATES SIGN SIZE
ESTR EXISTING SIGN TO REMAIN



Signing notes

Type II aluminum signs removed under the contract shall be delivered to the County sign shop. Contact the following individual at the sign shop for distribution county location.

Signing Coordinator	County(s)	Phone #
Dennis Newton	Milwaukee	414-750-0257
Dennis Newton	Racine	414-750-0257
Jenny Buckett	Kenosha, Washington, Ozaukee	414-750-2427
Chuck Saldivar	Walworth, Waukesha	414-750-1682

Signs shall be carefully removed from sign supports. The signs shall be palletized for handling with a forklift (see standard spec 638.3.4). The Regional sign shop (General phone # 414-266-1165) shall be notified three working days prior to delivery of the signs.

When an existing stop sign support is to be removed and a new stop sign and support erected, the work shall be done concurrently. For other signs and supports that are to be removed and new signs and supports erected, the removal of the existing sign/support and erection of the new sign/support should be done as concurrently as possible. In no case shall a new sign/support be down for more than 24 hours and there shall not be more than one sign of the same legend missing in a row.

Wood posts sizes, for type II signs are estimated lengths and the actual length will be determined in the field.

Street name signs are property of the municipality (city, village or town). The municipality shall be contacted to remove their street name signs prior to construction and it is their responsibility to reinstall the old signs or replace them following construction. WisDOT does not furnish or install street name signs. The street name signs shall not be placed on top of the STOP signs.

SHEET 1 OF 2

PROJECT NO: 1000-92-90

HWY: STH 794

COUNTY: MILWAUKEE

PERMANENT SIGNING PLAN

SHEET

E

FILE NAME: N:\PDS\C3D\CAD\10009200\SIGN\023201_PS_16.DWG
LAYOUT NAME - 023201_PS

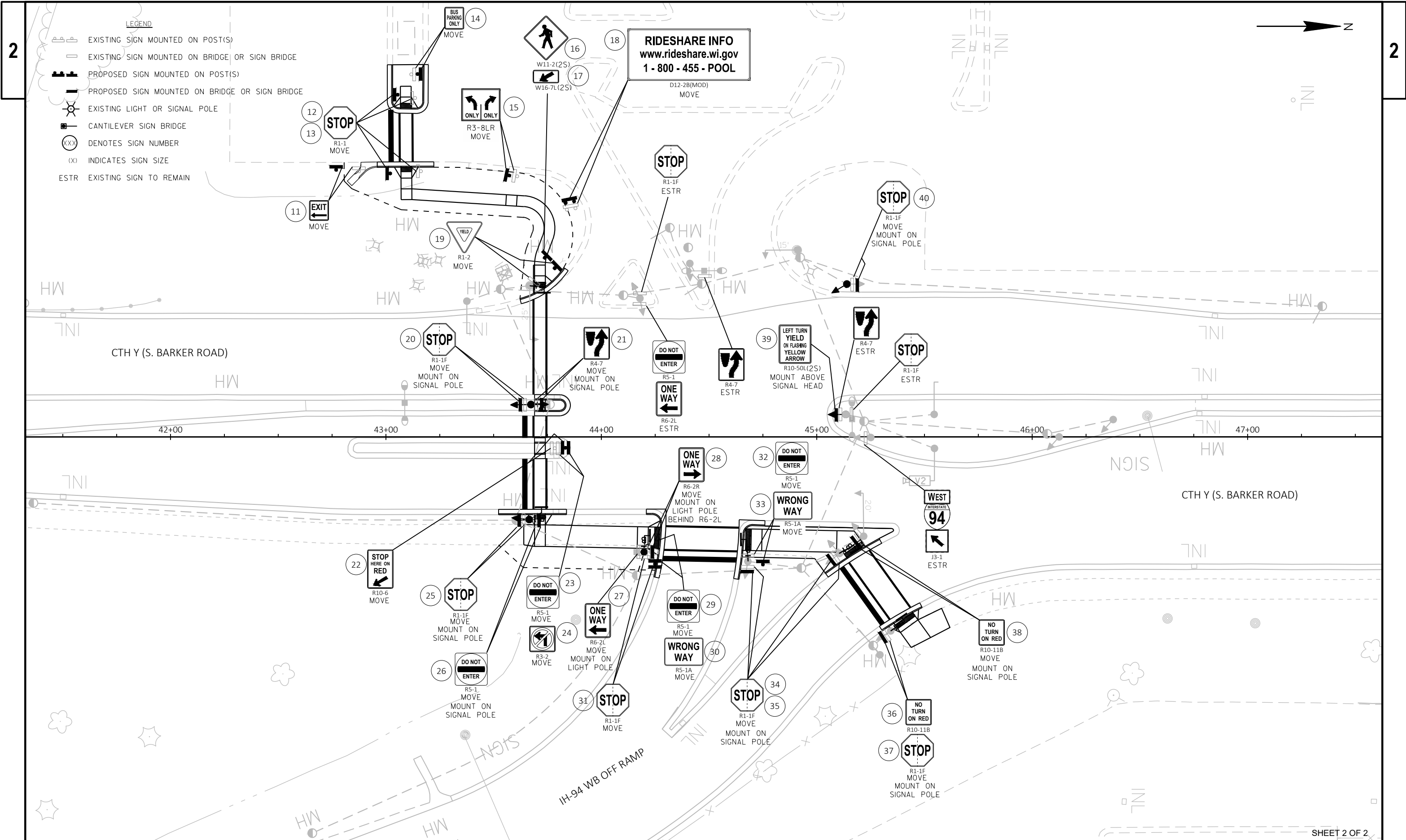
PLOT DATE: 12/10/2019 8:37 AM

PLOT BY: MARTENS, KAREN L

PLOT NAME:

PLOT SCALE: 1 IN=40 FT

WISDOT/CADDs SHEET 42

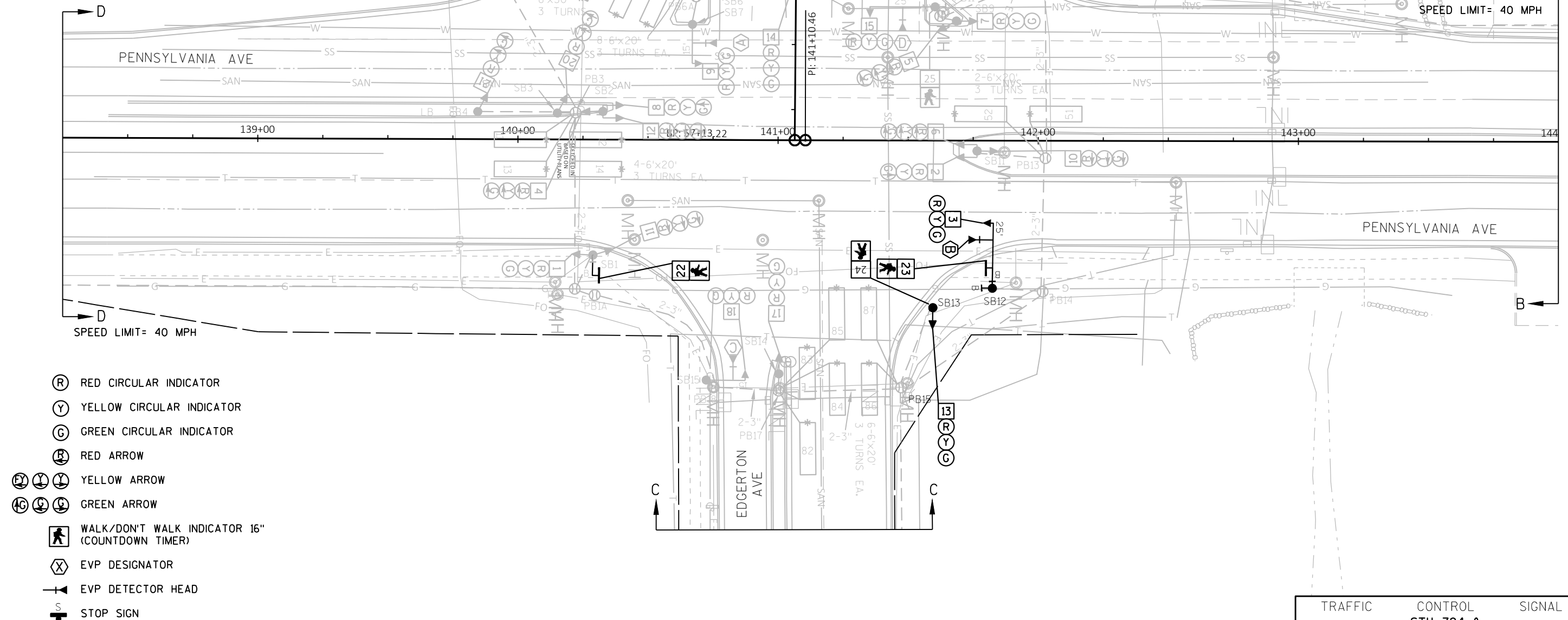


LEGEND

- ☒ CONTROL CABINET
- — — NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- — — LOOP DETECTOR CONDUIT, 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- SIGNAL HEAD, DUAL MOUNT TRAFFIC POLE, 20-FEET, TRANSFORMER BASE
- (XX) ● SIGNAL HEAD, TRAFFIC SIGNAL POLE, TRANSFORMER BASE
- PEDESTRIAN HEAD WITH PUSH BUTTON
- ☒ LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- PULL BOX, 24" X 36"
- ⊕ PULL BOX, 24" X 42"
- XX SIGNAL HEAD NUMBER

CONSTRUCTION NOTES:

1. EXISTING CONDUIT RUNS TO BE ABANDONED IN PLACE. CONTRACTOR TO REMOVE ANY CONDUCTORS REMAINING IN THE CONDUIT.
2. THE LOCATIONS OF EXISTING UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
3. GRAYSHADE REPRESENTS EXISTING. BOLD REPRESENTS ITEMS TO BE REMOVED.
4. COORDINATE WITH WISDOT ELECTRICAL FIELD UNIT (414)266-1170. PRIOR TO REMOVING SB12 AND SB13.
5. PROPOSED SIGNAL HEADS ON SB12 SHALL BE OPERATIONAL PRIOR TO REMOVING SB13.



- Ⓡ RED CIRCULAR INDICATOR
- Ⓢ YELLOW CIRCULAR INDICATOR
- Ⓤ GREEN CIRCULAR INDICATOR
- Ⓡ RED ARROW
- Ⓢ Ⓢ YELLOW ARROW
- Ⓤ Ⓤ GREEN ARROW
- Ⓢ WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- Ⓢ EVP DESIGNATOR
- Ⓢ EVP DETECTOR HEAD
- Ⓢ STOP SIGN

NOTE: ALL LENSES ARE 12-INCH
GRAYSHADE REPRESENTS EXISTING

TRAFFIC CONTROL SIGNAL
STH 794 &
S PENNSYLVANIA AVE
MILWAUKEE COUNTY

SIGNAL NO. S40-1231

REGION CONTACT: P. VIRK
DESIGNED BY:
REVISED BY: S. WAGNER

PAGE 1 OF 2

PROJECT NO: 1000-92-90

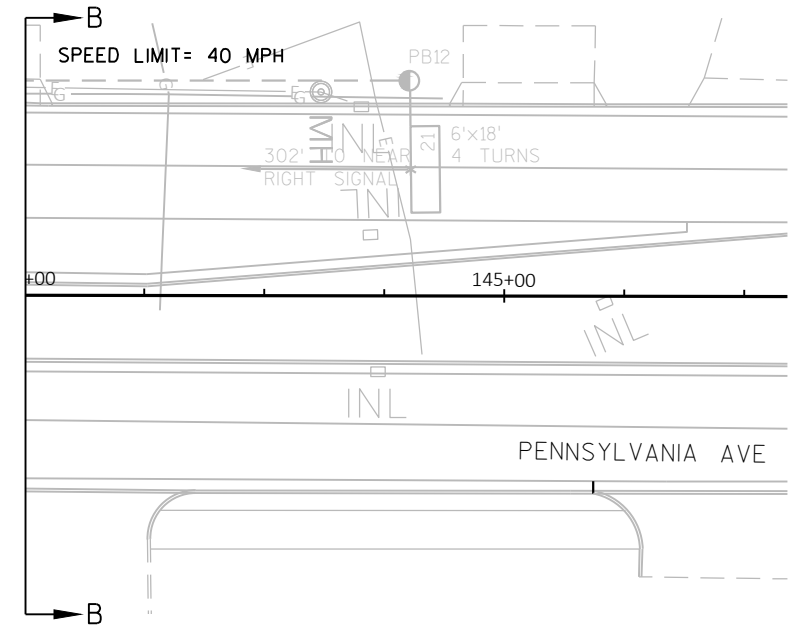
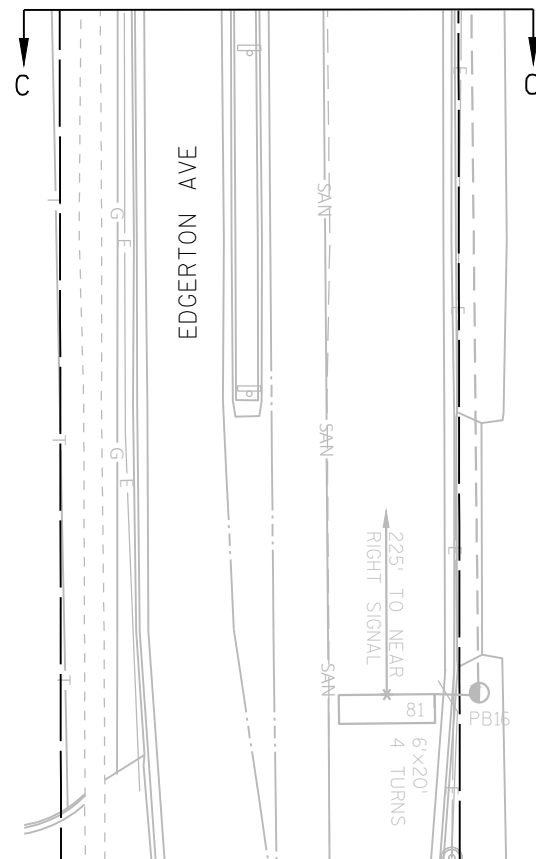
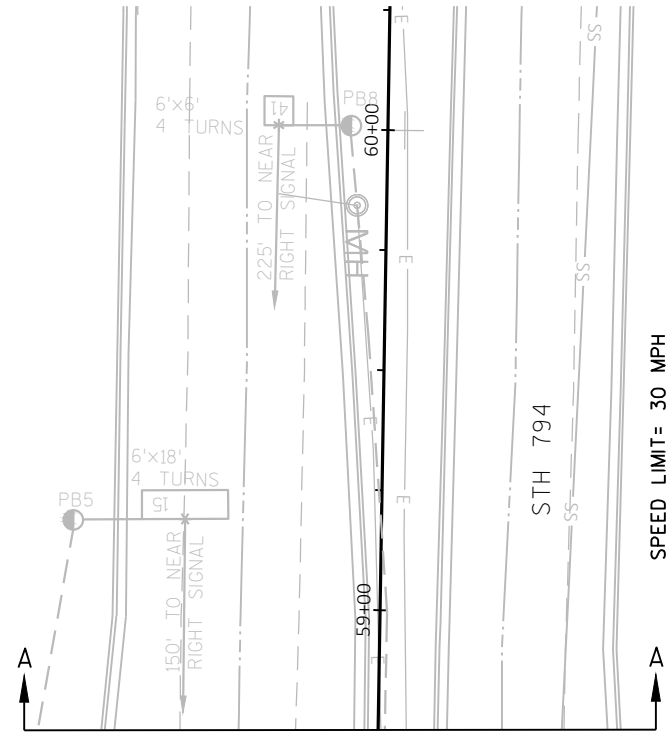
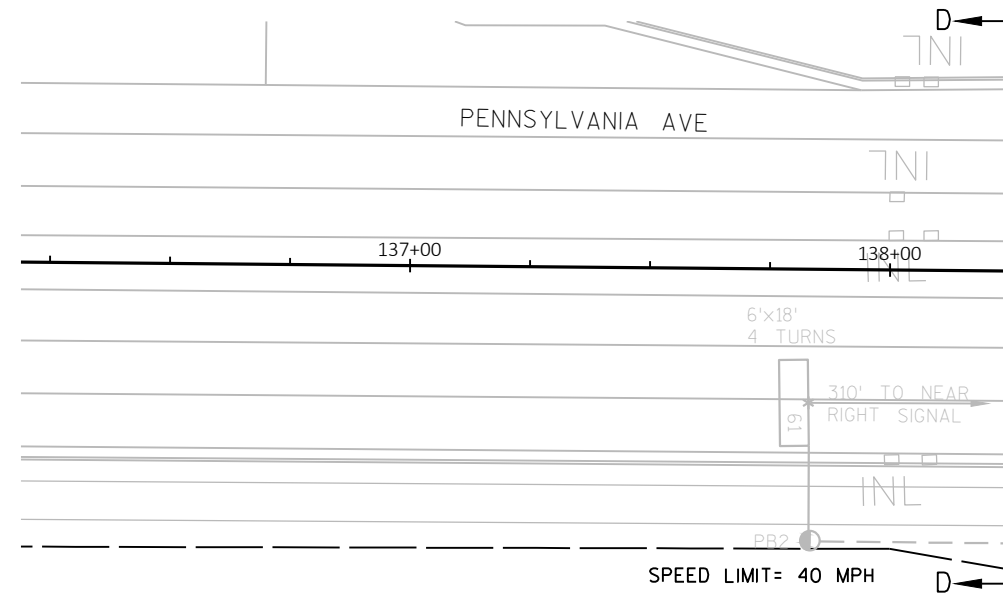
HWY: STH 794

COUNTY: MILWAUKEE

TRAFFIC SIGNAL REMOVAL PLAN

SHEET

E



PROJECT NO: 1000-92-90

HWY: STH 794

COUNTY: MILWAUKEE

TRAFFIC SIGNAL PLAN

SHEET

E

TRAFFIC CONTROL SIGNAL
STH 794 &
S PENNSYLVIAN AVE
MILWAUKEE COUNTY

SIGNAL NO. S40-1231

REGION CONTACT: P. VIRL

DESIGNED BY:

REVISED BY: S. WAGNER

PAGE 2 OF 2

LEGEND

- ☒ CONTROL CABINET
- — — — — NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- — — — — LOOP DETECTOR CONDUIT, 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- SIGNAL HEAD, DUAL MOUNT TRAFFIC POLE, 20-FEET, TRANSFORMER BASE
- (XX) ● SIGNAL HEAD, TRAFFIC SIGNAL POLE, TRANSFORMER BASE
- — — — — PEDESTRIAN HEAD WITH PUSH BUTTON
- ☒ LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- PULL BOX, 24" X 36"
- ⊕ PULL BOX, 24" X 42"
- XX SIGNAL HEAD NUMBER

- Ⓡ RED CIRCULAR INDICATOR
- Ⓢ YELLOW CIRCULAR INDICATOR
- Ⓢ GREEN CIRCULAR INDICATOR
- Ⓡ RED ARROW
- Ⓢ YELLOW ARROW
- Ⓢ GREEN ARROW
- Ⓢ WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- Ⓢ EVP DESIGNATOR
- Ⓢ EVP DETECTOR HEAD
- Ⓢ STOP SIGN

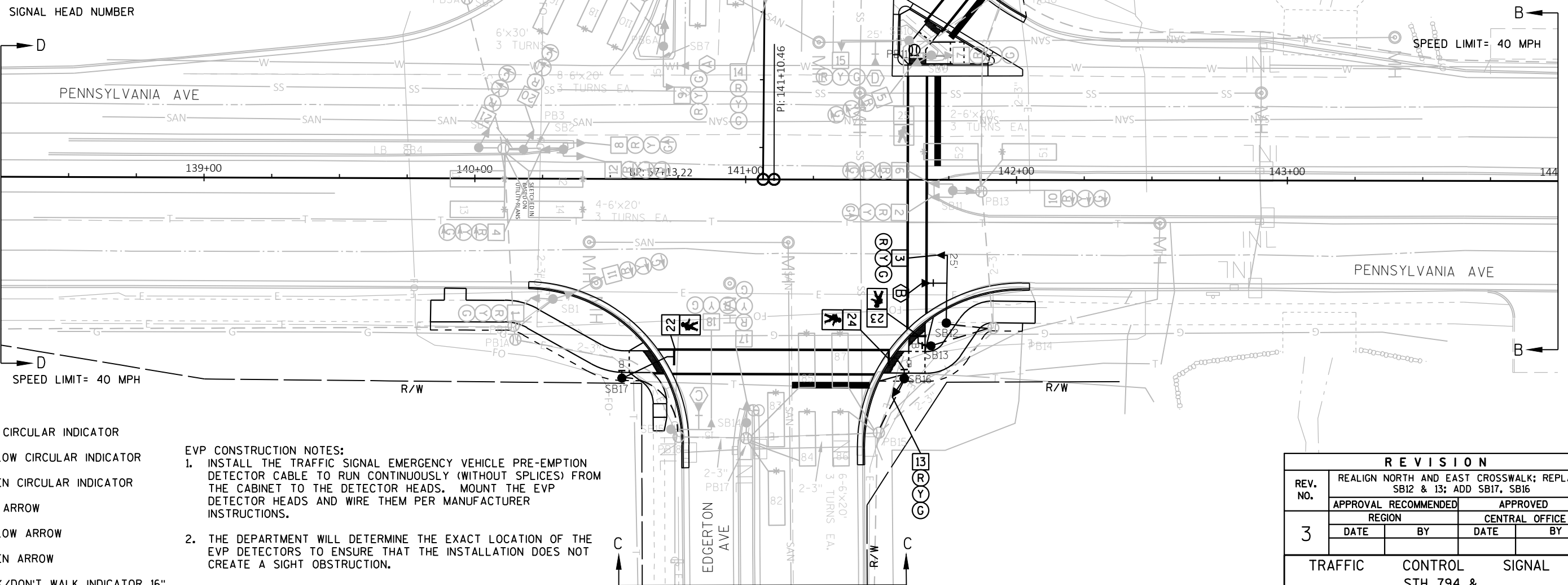
NOTE: ALL LENSES ARE 12-INCH
GRAYSHADE REPRESENTS EXISTING

EVP CONSTRUCTION NOTES:

1. INSTALL THE TRAFFIC SIGNAL EMERGENCY VEHICLE PRE-EMPTION DETECTOR CABLE TO RUN CONTINUOUSLY (WITHOUT SPLICES) FROM THE CABINET TO THE DETECTOR HEADS. MOUNT THE EVP DETECTOR HEADS AND WIRE THEM PER MANUFACTURER INSTRUCTIONS.
2. THE DEPARTMENT WILL DETERMINE THE EXACT LOCATION OF THE EVP DETECTORS TO ENSURE THAT THE INSTALLATION DOES NOT CREATE A SIGHT OBSTRUCTION.
3. ALL EVP DETECTOR CABLE SHALL BE ROUTED THROUGH EXISTING SIGNAL BASES, PULL BOXES, AND CONDUIT AS INDICATED. PROVIDE ENOUGH CABLE TO ALLOW 10 FEET OF SLACK IN THE CABINET, IN EACH PULL BOX, AND IN THE SIGNAL POLE HANDHOLE.
4. FOR A CABINET THAT IS NOT OPERATING THE SIGNAL, CABINET WIRING WILL BE DONE BY THE CONTRACTOR. IF THE CABINET IS OPERATING THE SIGNAL, THE CABINET WIRING WILL BE DONE BY THE DEPARTMENT. THE CONTRACTOR SHALL INSTALL AND TERMINATE THE EVP CABLE AS DESCRIBED AND SHALL LABEL EACH CABLE AS NOTED ON THE PLAN SHEETS (I.E. EVP A-B-C-D).

CONSTRUCTION NOTES:

1. * LOCATION IS TO FRONT CENTER OF DETECTOR LOOP.
2. THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED 5 WORKING DAYS PRIOR TO PLACING SIGNAL CABLE INTO SYSTEM. CONTACT THE WISDOT ELECTRICAL FIELD UNIT TO MAKE ARRANGEMENTS. (414) 266-1170.
3. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
4. ALL LUMINAIRES ARE 150 HPS UNLESS OTHERWISE NOTED.
5. COORDINATE WITH WISDOT ELECTRICAL FIELD UNIT. (414)266-1170. PRIOR TO REMOVING ANY SIGNAL BASE/POLES.
6. CABINET WIRING WILL BE DONE BY ELECTRICAL FIELD UNIT.



REVISION				
REV. NO.	REALIGN NORTH AND EAST CROSSWALK; REPLACE SB12 & 13; ADD SB17, SB16			
	APPROVAL RECOMMENDED		APPROVED	
3	REGION		CENTRAL OFFICE	
	DATE	BY	DATE	BY
TRAFFIC CONTROL SIGNAL				
STH 794 &				
S PENNSYLVANIA AVE				
MILWAUKEE COUNTY				
CABINET TYPE: TS1-S				
SIGNAL NO. S40-1231		CONTROLLER TYPE: EPAC		
WISCONSIN DEPARTMENT OF TRANSPORTATION				
APPROVAL RECOMMENDED				
DATE 5/04/04		ANNE RESHADI-NEZAD		
		REGION TRAFFIC ENGINEER		
APPROVED				
DATE 6/17/04		WILLIAM C. GILDING		
		STATE TRAFFIC ENGINEER		
REGION CONTACT: P. VIRK				
DESIGNED BY:				
REVISED BY: S. WAGNER				

PAGE 1 OF 3

PROJECT NO: 1000-92-90

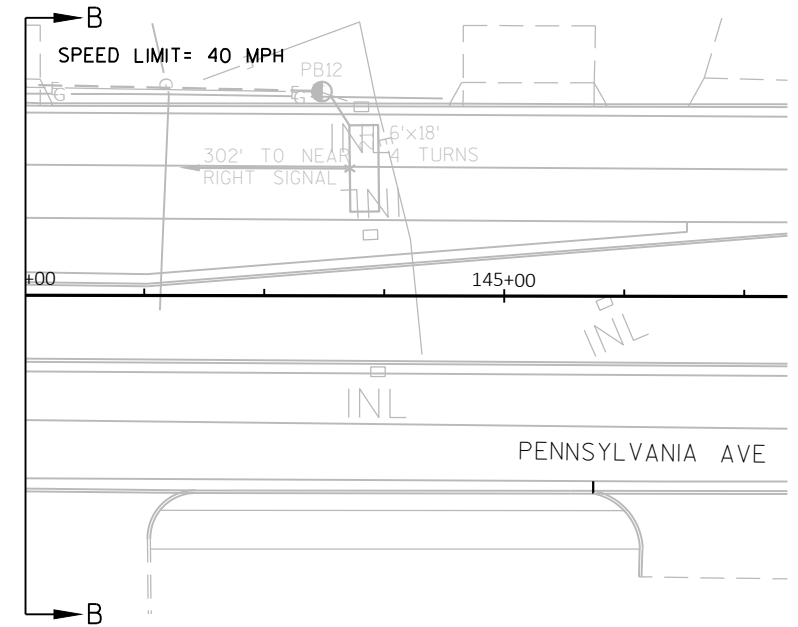
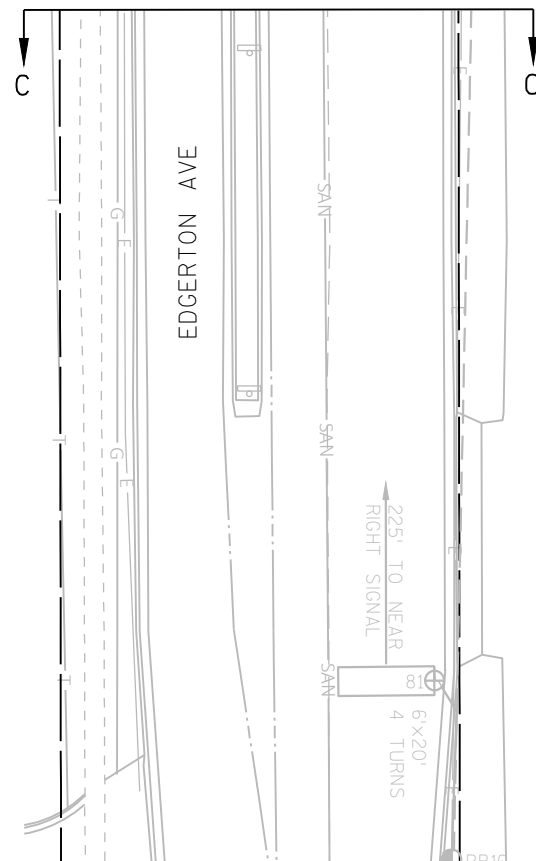
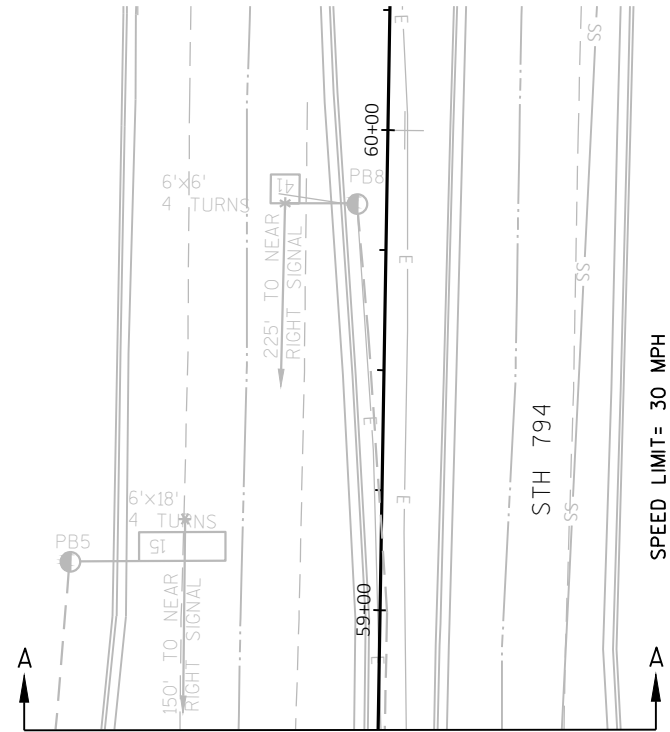
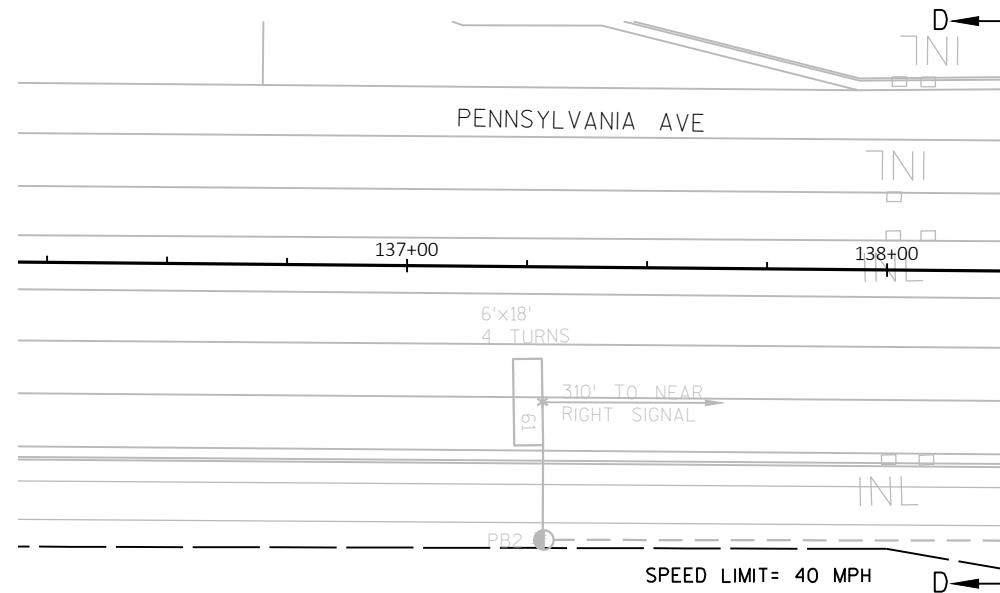
HWY: STH 794

COUNTY: MILWAUKEE

TRAFFIC SIGNAL PLAN

SHEET

E



TRAFFIC CONTROL SIGNAL
STH 794 &
S PENNSYLVIA AVE
MILWAUKEE COUNTY

SIGNAL NO. S40-1231

REGION CONTACT: P. VIRK
DESIGNED BY:
REVISED BY: S. WAGNER

PAGE 2 OF 3

PROJECT NO: 1000-92-90

HWY: STH 794

COUNTY: MILWAUKEE

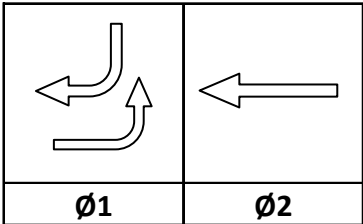
TRAFFIC SIGNAL PLAN

SHEET

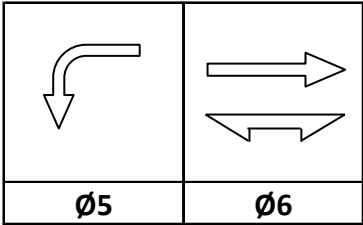
E

	HEAD NUMBERS	F L A S H
Ø1	4,5,6,19,20,21	R
Ø2	7,8,9	R
Ø3		
Ø4	16,17,18	R
Ø5	10,11,12	R
Ø6	1,2,3	R
Ø7		
Ø8	13,14,15	R
Ø2P		
Ø4P		
Ø6P	22,24	
Ø8P	23,25	
OLA		
OLB		
OLC		
OLD		

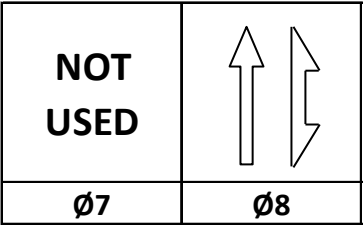
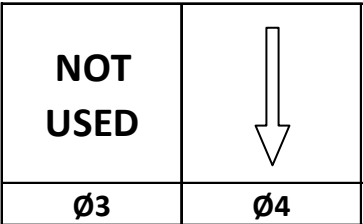
RING 1



RING 2



BARRIER



N

DETECTOR LOGIC

DETECTOR NUMBER	AMPLIFIER CHANNEL	DETECTOR OPERATION			PHASE CALLED	PHASE EXTENDED	DETECTOR DISCONNECT PHASE	CALLING DELAY	EXTENSION STRETCH	SIZE	NUMBER OF TURNS
		CALLS AND EXTENDS	CALLS ONLY	EXTENDS ONLY							
11	1	X			1	1				6X20	3
12	1	X			1	1				6X20	3
13	2	X			1	1				6X20	3
14	2	X			1	1				6X20	3
15	3			X		1			X	6X18	4
16	4	X			1	1		X		6X30	3
17	5	X			1	1		X		6X20	3
18	5	X			1	1		X		6X20	3
19	6	X			1	1				6X20	3
110	6	X			1	1				6X20	3
21	7	X			2	2				6X18	4
41	8			X		4			X	6X6	4
42	9	X			4	4				6X20	3
43	9	X			4	4				6X20	3
44	10	X			4	4				6X20	3
45	10	X			4	4				6X20	3
51	11	X			5	5				6X20	3
52	11	X			5	5				6X20	3
61	12	X			6	6				6X18	4
81	13			X		8			X	6X20	4
82	14	X			8	8				6X20	3
83	14	X			8	8				6X20	3
84	15	X			8	8				6X20	3
85	15	X			8	8				6X20	3

CONTROLLER LOGIC

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

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

TYPE OF COORDINATION	
NONE	X
TBC	
TRAFFIC RESPONSIVE	
ADAPTIVE	
*LOCATION OF MASTER CONTROLLER NO:	S-
SIGNAL SYSTEM NO:	SS-

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

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

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	A	B	C	D
MOVEMENT				
PHASE	2+5	6+1	4+8	8+4

AFTER PREEMPTION SEQUENCE 2+5 OR 6+1 CONTROLLER SHALL RETURN TO PHASES 2+6.
AFTER PREEMPTION SEQUENCE 4+8 OR 4+8, CONTROLLER SHALL RETURN TO PHASES 4+8.

STH 794 & PENNSYLVANIA AVE
MUNICIPALITY
MILWAUKEE COUNTY

SIGNAL NO: S40-1231	CABINET TYPE: TS1
CONTROLLER TYPE: EPAC	
DATE: 05/2020	PAGE NUMBER: 3 OF 3

PROJECT ID:	1000-92-90
INTERSECTION:	STH 794 & S PENNSYLVANIS AVE

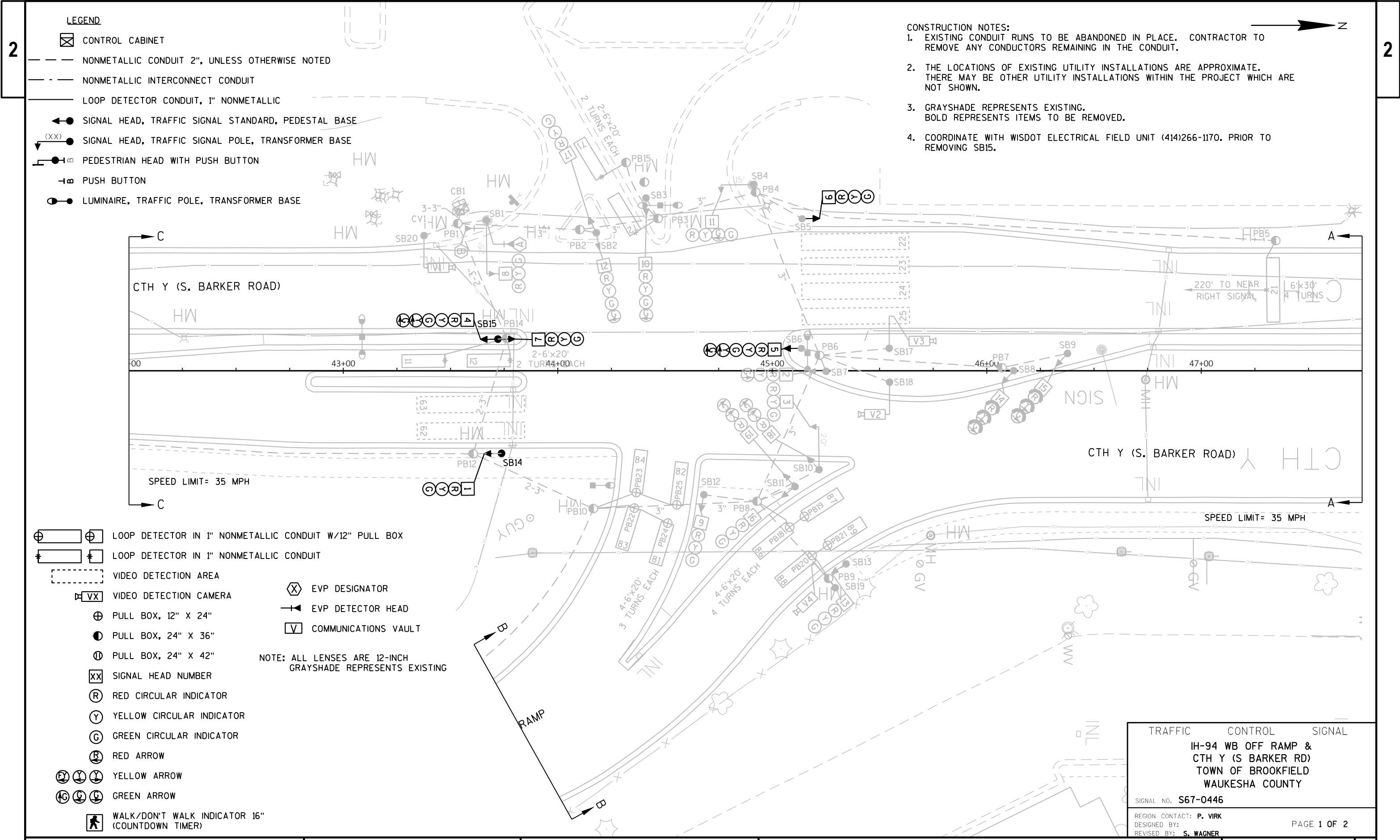
Signal Wire Color Coding	BLK - black	RED - red	GRN - green
	WHT - white	BLU - blue	ORG - orange

CB1 TO	AWG14 # OF CONDUCTORS	HEAD NO.	SIGNAL INDICATION WIRE COLOR									PED BUTTON	FUTURE APS
			RED	YELLOW	GREEN	<RED>	<YELLOW>	<GREEN>	<FLASHING YELLOW>	D/WALK	WALK		
SB12	7	3	REG	ORG	GRN								
SB13	7	23	BLK BLU										
		B									WHT/BLK		
SB16	7	13	RED	ORG	GRN								
		24								BLK	BLU		
		B									WHT/BLK		
SB17	7	22								BLK	BLU		
		B									WHT/BLK		

Equipment Grounding Conductor 10 AWG Green XLP	
From	To
SB11	SB12
SB12	SB13
SB13	SB16
SB16	SB17
SB17	SB15

Pull Box Bonding Jumper 10 AWG Green XLP	
From	To
PB14	SB12
PB14	SB13
PB15	SB16
PB18	SB17

Emergency Vehicle Preemption	
From	To
CB1	HEAD B

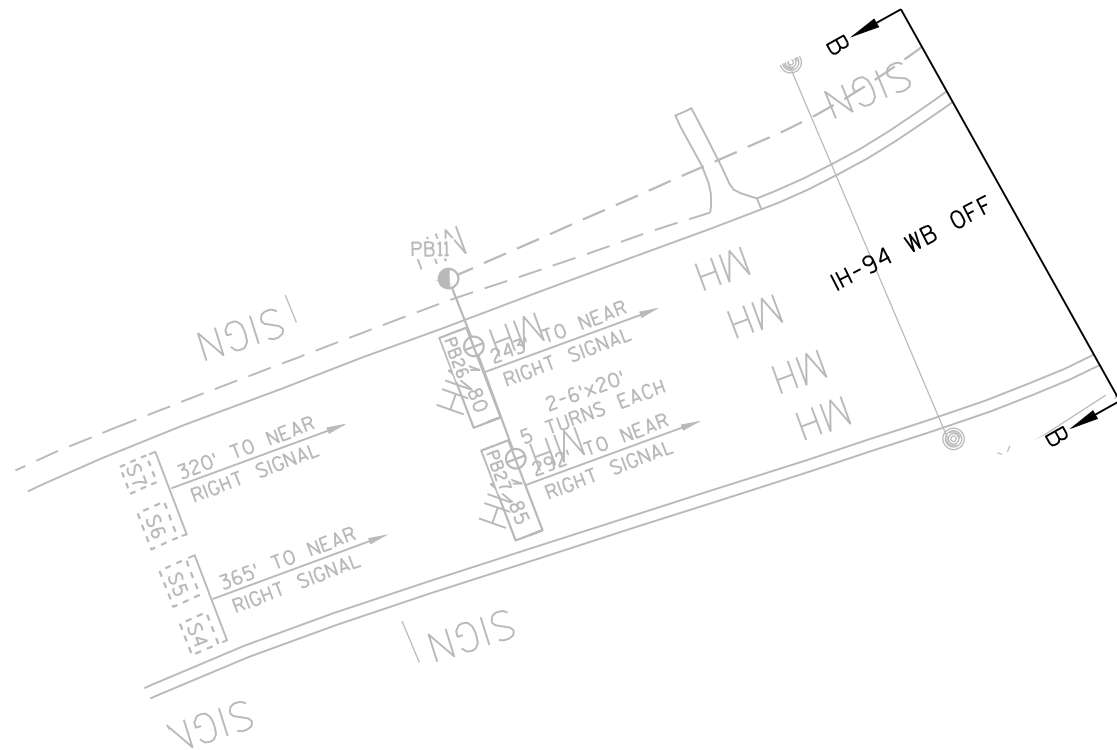
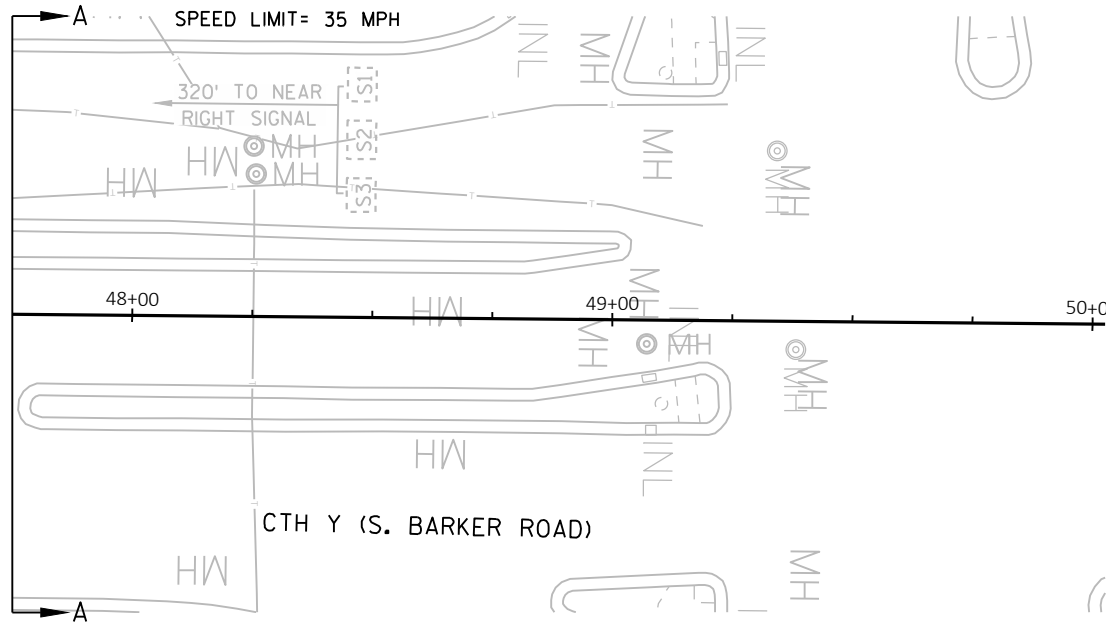
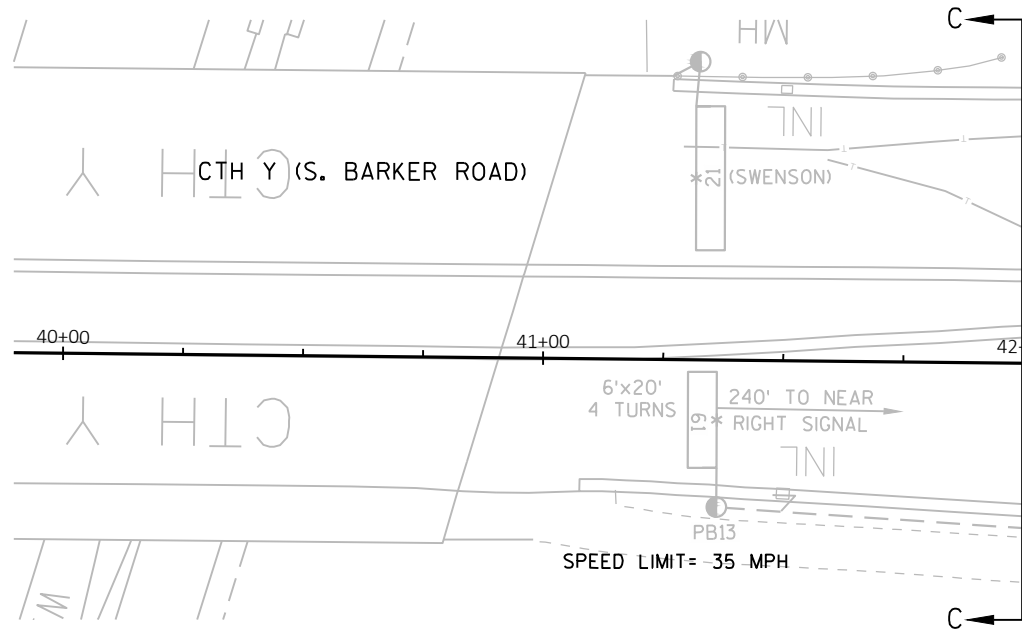


LEGEND

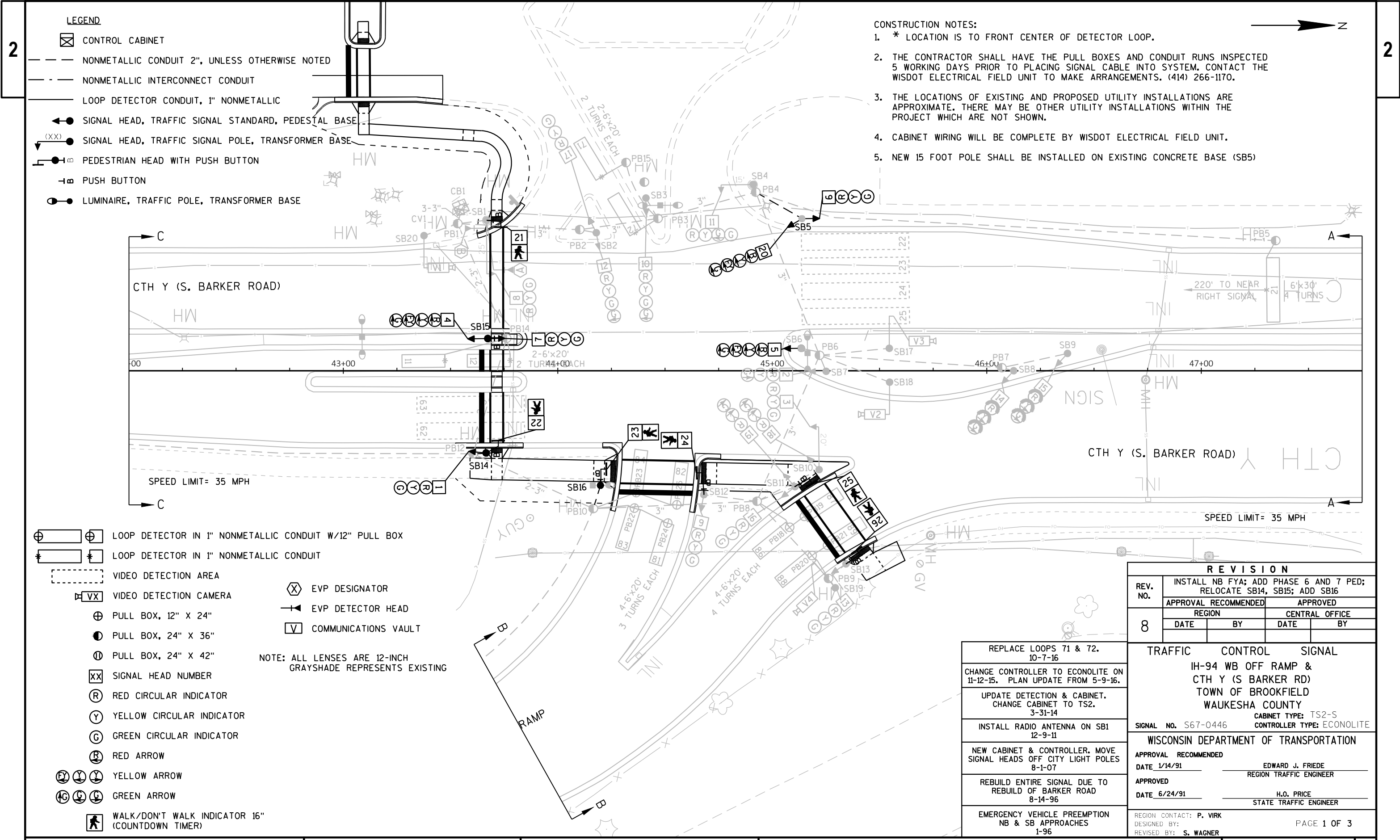
- CONTROL CABINET
 - NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
 - NONMETALLIC INTERCONNECT CONDUIT
 - LOOP DETECTOR CONDUIT, 1" NONMETALLIC
 - SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
 - SIGNAL HEAD, TRAFFIC SIGNAL POLE, TRANSFORMER BASE
 - PEDESTRIAN HEAD WITH PUSH BUTTON
 - PUSH BUTTON
 - LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
 - LOOP DETECTOR IN 1" NONMETALLIC CONDUIT W/12" PULL BOX
 - LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
 - VIDEO DETECTION AREA
 - VIDEO DETECTION CAMERA
 - PULL BOX, 12" X 24"
 - PULL BOX, 24" X 36"
 - PULL BOX, 24" X 42"
 - SIGNAL HEAD NUMBER
 - RED CIRCULAR INDICATOR
 - YELLOW CIRCULAR INDICATOR
 - GREEN CIRCULAR INDICATOR
 - RED ARROW
 - YELLOW ARROW
 - GREEN ARROW
 - WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
 - EVP DESIGNATOR
 - EVP DETECTOR HEAD
 - COMMUNICATIONS VAULT
- NOTE: ALL LENSES ARE 12-INCH
GRAYSHADE REPRESENTS EXISTING

- CONSTRUCTION NOTES:
- EXISTING CONDUIT RUNS TO BE ABANDONED IN PLACE. CONTRACTOR TO REMOVE ANY CONDUCTORS REMAINING IN THE CONDUIT.
 - THE LOCATIONS OF EXISTING UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
 - GRAYSHADE REPRESENTS EXISTING. BOLD REPRESENTS ITEMS TO BE REMOVED.
 - COORDINATE WITH WISDOT ELECTRICAL FIELD UNIT (414)266-1170. PRIOR TO REMOVING SB15.

TRAFFIC CONTROL SIGNAL		
IH-94 WB OFF RAMP & CTH Y (S BARKER RD) TOWN OF BROOKFIELD WAUKESHA COUNTY		
SIGNAL NO. S67-0446		
REGION CONTACT: P. VIRK	PAGE 1 OF 2	
DESIGNED BY:		
REVISED BY: S. WAGNER		



TRAFFIC	CONTROL	SIGNAL
IH-94 WB OFF RAMP & CTH Y (S BARKER RD) TOWN OF BROOKFIELD WAUKESHA COUNTY		
SIGNAL NO. S67-0446		
REGION CONTACT: P. VIRK		PAGE 2 OF 2
DESIGNED BY:		
REVISED BY: S. WAGNER		

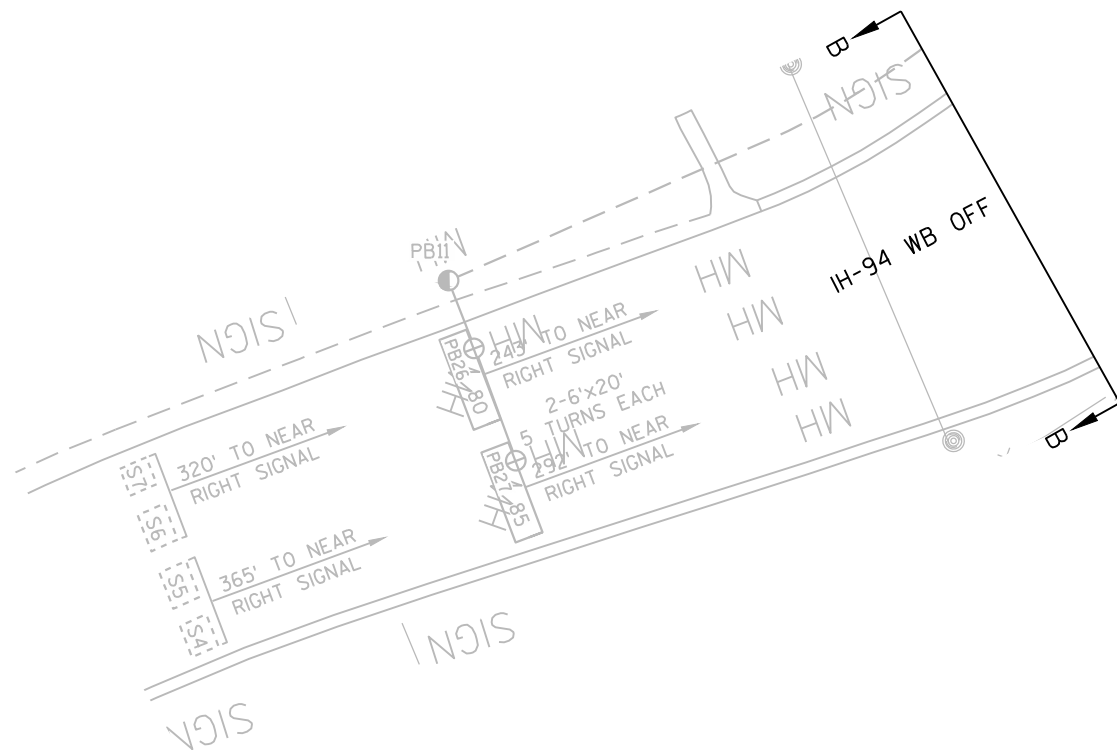
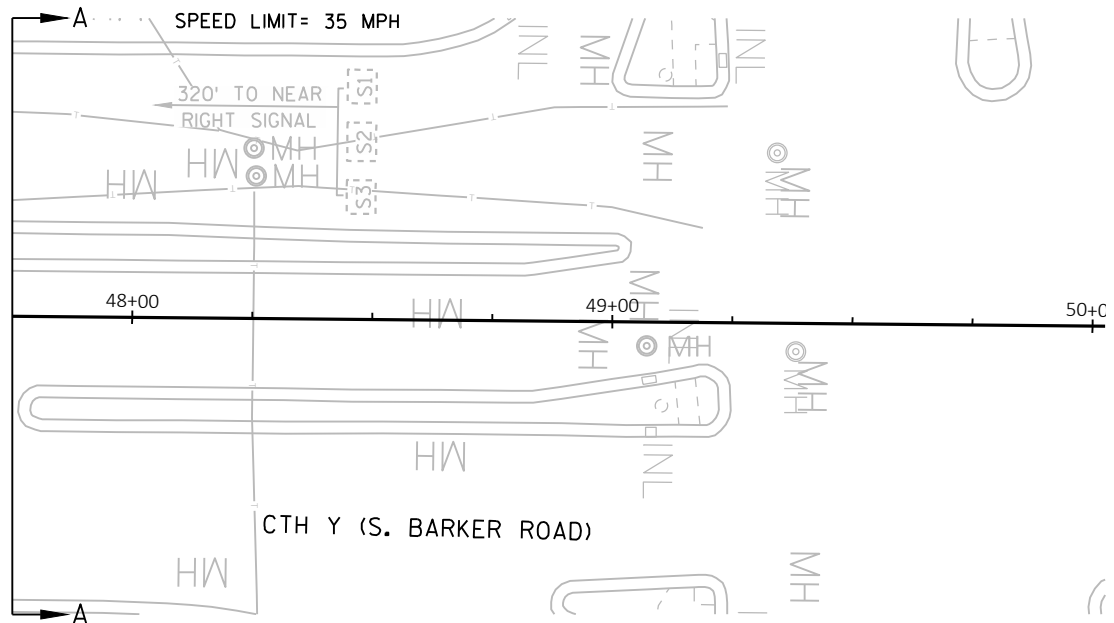
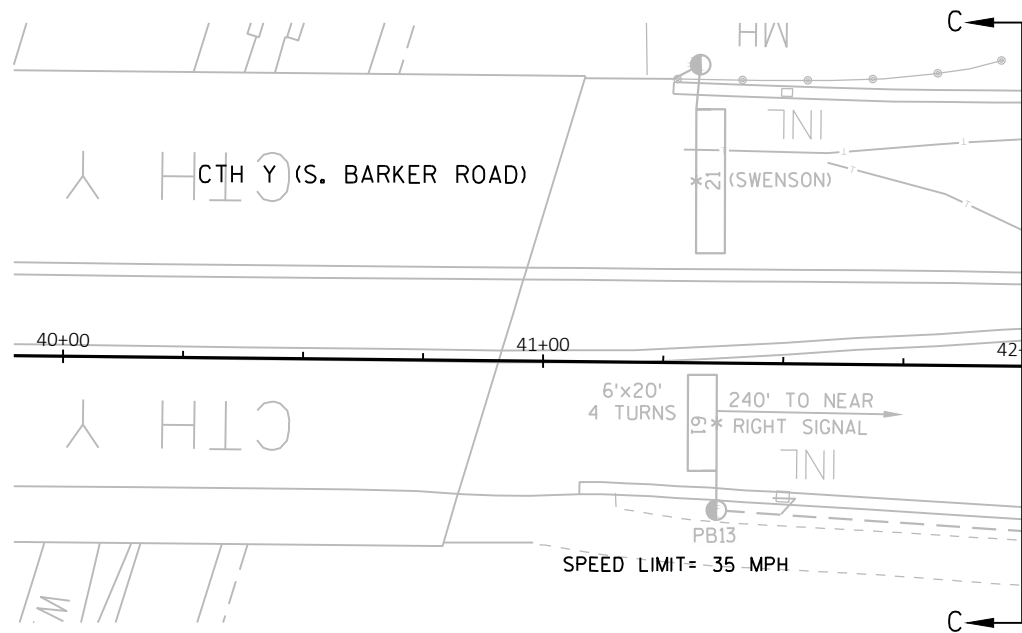


- CONSTRUCTION NOTES:
- * LOCATION IS TO FRONT CENTER OF DETECTOR LOOP.
 - THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED 5 WORKING DAYS PRIOR TO PLACING SIGNAL CABLE INTO SYSTEM. CONTACT THE WISDOT ELECTRICAL FIELD UNIT TO MAKE ARRANGEMENTS. (414) 266-1170.
 - THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
 - CABINET WIRING WILL BE COMPLETE BY WISDOT ELECTRICAL FIELD UNIT.
 - NEW 15 FOOT POLE SHALL BE INSTALLED ON EXISTING CONCRETE BASE (SB5)

- LEGEND
- CONTROL CABINET
 - NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
 - NONMETALLIC INTERCONNECT CONDUIT
 - LOOP DETECTOR CONDUIT, 1" NONMETALLIC
 - SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
 - SIGNAL HEAD, TRAFFIC SIGNAL POLE, TRANSFORMER BASE
 - PEDESTRIAN HEAD WITH PUSH BUTTON
 - PUSH BUTTON
 - LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
 - LOOP DETECTOR IN 1" NONMETALLIC CONDUIT W/12" PULL BOX
 - LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
 - VIDEO DETECTION AREA
 - VIDEO DETECTION CAMERA
 - PULL BOX, 12" X 24"
 - PULL BOX, 24" X 36"
 - PULL BOX, 24" X 42"
 - SIGNAL HEAD NUMBER
 - RED CIRCULAR INDICATOR
 - YELLOW CIRCULAR INDICATOR
 - GREEN CIRCULAR INDICATOR
 - RED ARROW
 - YELLOW ARROW
 - GREEN ARROW
 - WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
 - EVP DESIGNATOR
 - EVP DETECTOR HEAD
 - COMMUNICATIONS VAULT
- NOTE: ALL LENSES ARE 12-INCH
GRAYSHADE REPRESENTS EXISTING

REPLACE LOOPS 71 & 72. 10-7-16
CHANGE CONTROLLER TO ECONOLITE ON 11-12-15. PLAN UPDATE FROM 5-9-16.
UPDATE DETECTION & CABINET. CHANGE CABINET TO TS2. 3-31-14
INSTALL RADIO ANTENNA ON SB1 12-9-11
NEW CABINET & CONTROLLER. MOVE SIGNAL HEADS OFF CITY LIGHT POLES 8-1-07
REBUILD ENTIRE SIGNAL DUE TO REBUILD OF BARKER ROAD 8-14-96
EMERGENCY VEHICLE PREEMPTION NB & SB APPROACHES 1-96

REVISION				
REV. NO.	INSTALL NB FYA; ADD PHASE 6 AND 7 PED; RELOCATE SB14, SB15; ADD SB16			
	APPROVAL RECOMMENDED		APPROVED	
8	REGION		CENTRAL OFFICE	
	DATE	BY	DATE	BY
TRAFFIC CONTROL SIGNAL				
IH-94 WB OFF RAMP & CTH Y (S BARKER RD) TOWN OF BROOKFIELD WAUKESHA COUNTY				
SIGNAL NO. S67-0446		CABINET TYPE: TS2-S CONTROLLER TYPE: ECONOLITE		
WISCONSIN DEPARTMENT OF TRANSPORTATION				
APPROVAL RECOMMENDED				
DATE 1/14/91		EDWARD J. FRIEDE REGION TRAFFIC ENGINEER		
APPROVED				
DATE 6/24/91		H.O. PRICE STATE TRAFFIC ENGINEER		
REGION CONTACT: P. VIRK				
DESIGNED BY:				
REVISED BY: S. WAGNER				
PAGE 1 OF 3				



TRAFFIC	CONTROL	SIGNAL
IH-94 WB OFF RAMP & CTH Y (S BARKER RD) TOWN OF BROOKFIELD WAUKESHA COUNTY		
SIGNAL NO. S67-0446		
REGION CONTACT: P. VIRK		PAGE 2 OF 3
DESIGNED BY:		
REVISED BY: S. WAGNER		

PROJECT NO: 1000-92-90

HWY: IH-94

COUNTY: WAUKESHA

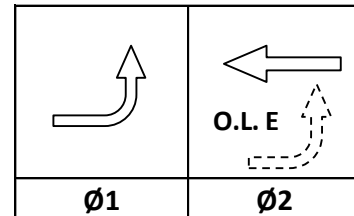
TRAFFIC SIGNAL PLAN

SHEET

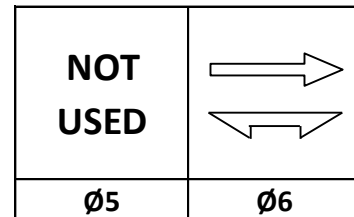
E

	HEAD NUMBERS	F L A S H
Ø1	4,5,20	R
Ø2	6,7,8	R
Ø3		
Ø4		
Ø5		
Ø6	1,2,3	R
Ø7	17,18,19	R
Ø8	9,10,11,12,13,14,15,16	R
Ø2P		
Ø4P		
Ø6P	23.24.25.26	
Ø7P	21,22	
OLE	4,5,20	-
OLF		
OLG		
OLH		

RING 1



RING 2

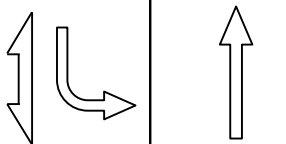


NOT USED

NOT USED

Ø3

Ø4



Ø7

Ø8

BARRIER

CONTROLLER LOGIC

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

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	A	B	C	D
MOVEMENT	←→	↺↻		
PHASE	2+6	1+6		

AFTER PREEMPTION SEQUENCE 2+6 OR 1+6, CONTROLLER SHALL RETURN TO PHASES 2+6.

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

TYPE OF COORDINATION	
NONE	
TBC	X
TRAFFIC RESPONSIVE	
ADAPTIVE	
*LOCATION OF MASTER CONTROLLER NO:	S-
SIGNAL SYSTEM NO:	SS- 0044

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

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

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
PLAN LOOP DETECTOR*(S)	11	21	71	73	81	83	85	88
CALLED PHASE	1	2	7	7	8	8	8	8
CALL OPTION	X	X	X	X	X	X		X
DELAY TIME				X				
EXTENTION OPTION	X	X	X	X	X	X	X	X
EXTEND TIME							X	
USE ADDED INITIAL		X						
CROSS SWITCH PHASE								

DETECTOR INPUT	4	2	8	6	12	10	16	14
PLAN LOOP DETECTOR*(S)	12	61	72	80	82	84	86/87	89
CALLED PHASE	1	6	7	8	8	8	8	8
CALL OPTION	X	X	X		X	X	X	X
DELAY TIME								
EXTENTION OPTION	X	X	X	X	X	X	X	X
EXTEND TIME				X				
USE ADDED INITIAL		X						
CROSS SWITCH PHASE								

19	17	23	21	27	25	31	29
22	24	S1	S3	S5	S7		63
2	2						6
X	X						X
X	X						X

20	18	24	22	28	26	32	30
23	25	S2	S4	S6	62		
2	2				6		
X	X				X		
X	X				X		

DETECTOR INPUT	
PLAN LOOP DETECTOR*(S)	
CALLED PHASE	
CALL OPTION	
DELAY TIME	
EXTENTION OPTION	
EXTEND TIME	
USE ADDED INITIAL	
CROSS SWITCH PHASE	

DETECTOR INPUT	
PLAN LOOP DETECTOR*(S)	
CALLED PHASE	
CALL OPTION	
DELAY TIME	
EXTENTION OPTION	
EXTEND TIME	
USE ADDED INITIAL	
CROSS SWITCH PHASE	

IH 94 WB OFF RAMP & CTH Y (S. BARKER RD)	
TOWN OF BROOKFIELD	
WAUKESHA COUNTY	
SIGNAL NO: S67-0446	CABINET TYPE: TS2
CONTROLLER TYPE: ECONOLITE	
DATE: 05/2020	PAGE NO. 3 OF 3

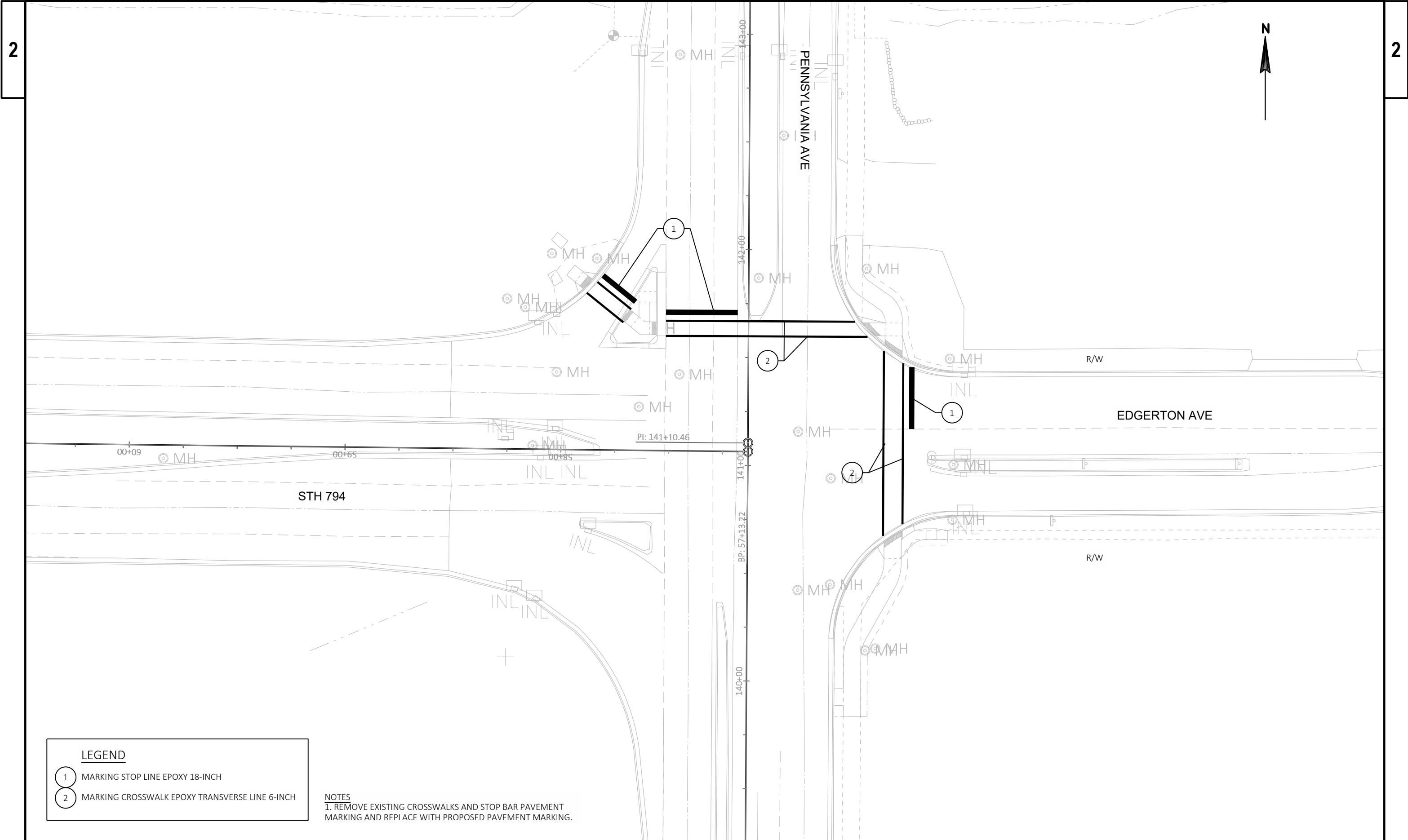
PROJECT ID:	1000-92-90
INTERSECTION:	IH 94 WB Off RAMP & CTH Y (BARKER RD)

Signal Wire Color Coding	BLK - black	RED - red	GRN - green
	WHT - white	BLU - blue	ORG - orange

CB1 TO	AWG14 # OF CONDUCTORS	HEAD NO.	SIGNAL INDICATION WIRE COLOR									PED BUTTON	FUTURE APS
			RED	YELLOW	GREEN	<RED>	<YELLOW>	<GREEN>	<FLASHING YELLOW>	D/WALK	WALK		
SB1	EXISTING 7 -14 AWG CABLE	21 B								BLK	BLU	WHT/BLK	
SB5	12	6 20	RED	ORG	GRN								
						RED/BLK	ORG/BLK	GRN/BLK	BLK/WHT				
SB6	EXISTING 7 -14 AWG CABLE	5				RED	ORG	GRN	BLK/WHT				
SB11	EXISTING 7 -14 AWG CABLE	25 B								BLK	BLU	WHT/BLK	
SB12	EXISTING 7 -14 AWG CABLE	24 B								BLK	BLU	WHT/BLK	
SB13	EXISTING 7 -14 AWG CABLE	26 B								BLK	BLU	WHT/BLK	
SB14	12	1 22 B	RED	ORG	GRN					BLK	BLU	WHT/BLK	
SB15	12	7 4 B	RED	ORG	GRN								
						RED/BLK	ORG/BLK	GRN/BLK	BLK/WHT			WHT/BLK	
SB16	7	24 B								BLK	BLU	WHT/BLK	

Equipment Grounding Conductor 10 AWG Green XLP	
From	To
SB1	SB15
SB15	SB14
SB14	SB16
SB16	SB12

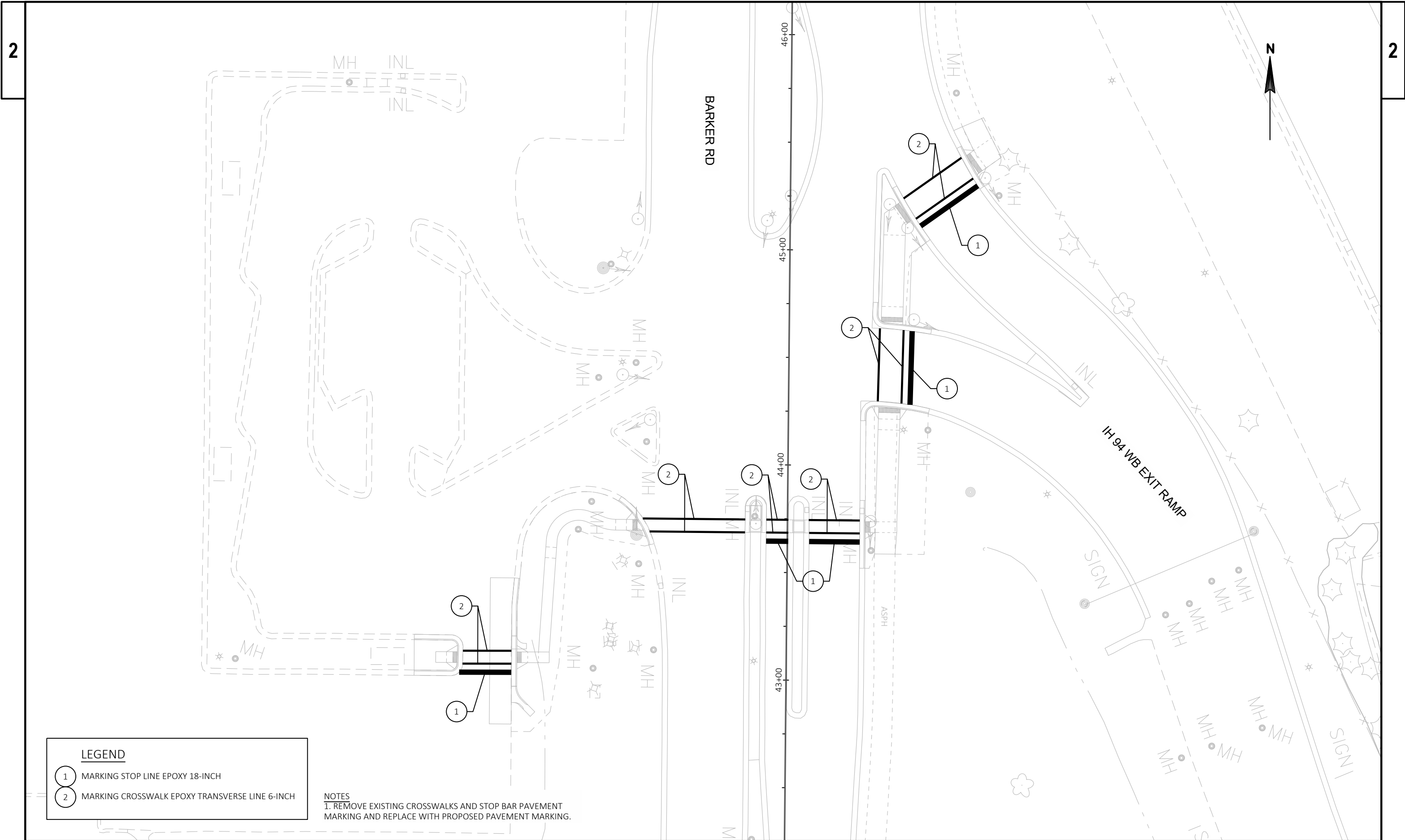
Pull Box Bonding Jumper 10 AWG Green XLP	
From	To
PB14	SB15
PB12	SB14
PB10	SB16



LEGEND

- 1 MARKING STOP LINE EPOXY 18-INCH
- 2 MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH

NOTES
1. REMOVE EXISTING CROSSWALKS AND STOP BAR PAVEMENT MARKING AND REPLACE WITH PROPOSED PAVEMENT MARKING.



LEGEND

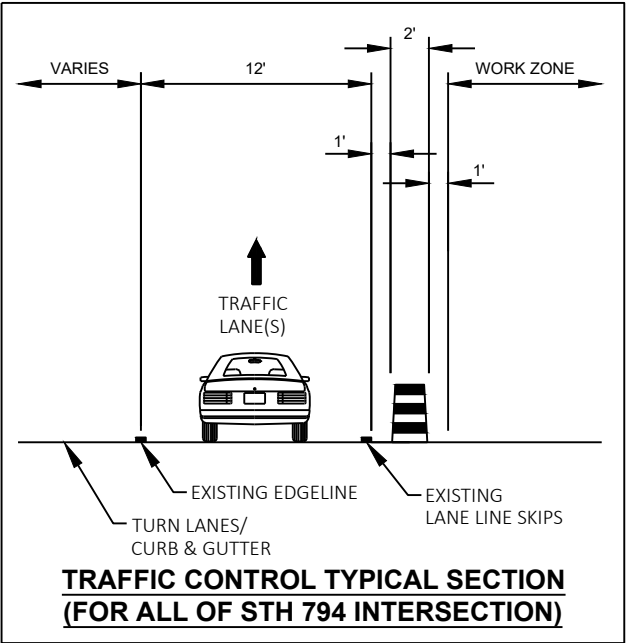
1

MARKING STOP LINE EPOXY 18-INCH

2

MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH

NOTES
1. REMOVE EXISTING CROSSWALKS AND STOP BAR PAVEMENT MARKING AND REPLACE WITH PROPOSED PAVEMENT MARKING.



LEGEND

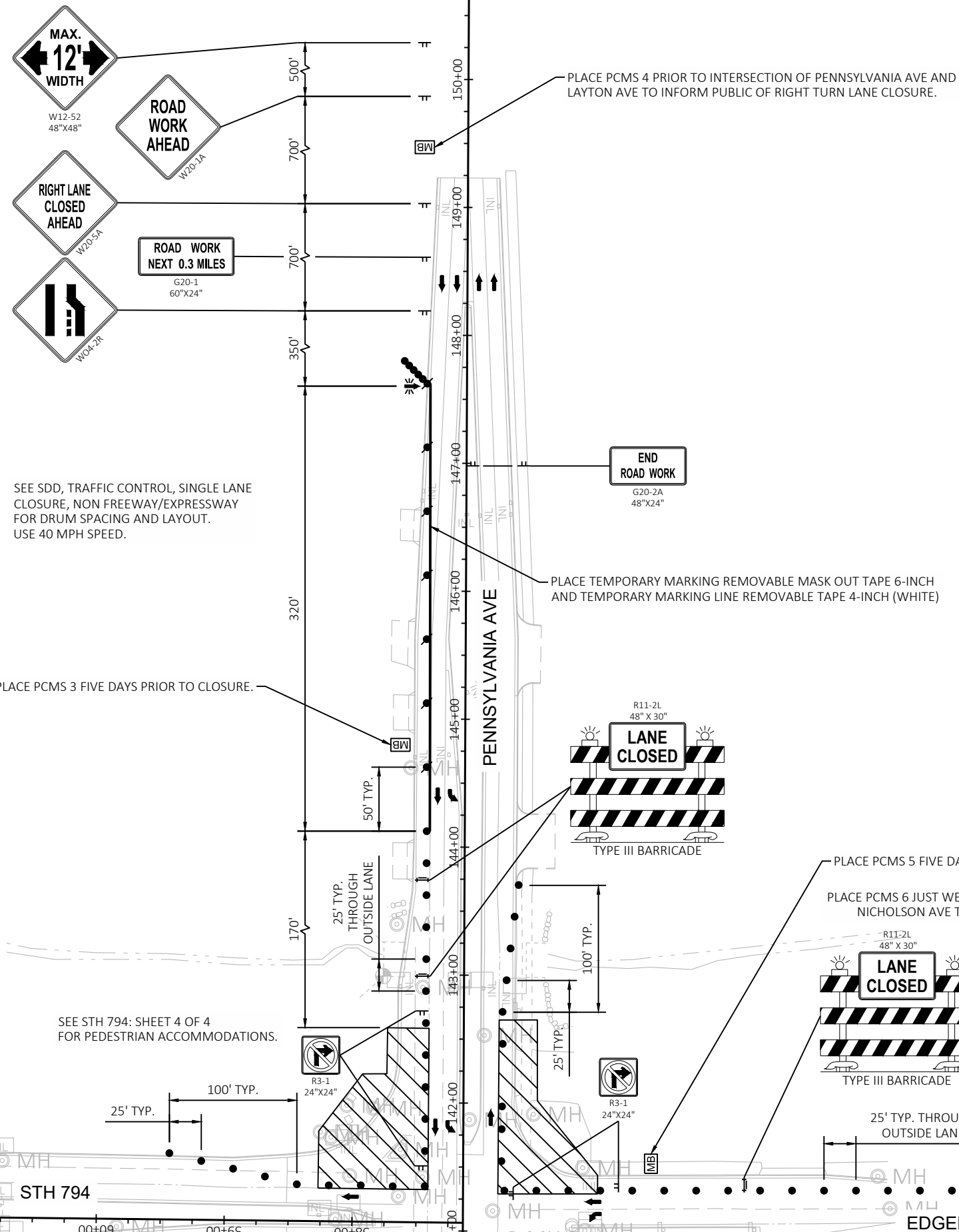
- TYPE III BARRICADE WITH ATTACHED SIGN AND TWO TYPE "A" WARNING LIGHTS
- SIGN ON TEMPORARY SUPPORT
- DRUM WITH TYPE "C" WARNING LIGHT
- DRUM
- TYPE "A" WARNING LIGHT
- DIRECTION OF TRAFFIC
- WORK AREA
- PORTABLE CHANGEABLE MESSAGE SIGN
- ARROW BOARD

NOTES

1. CLOSE NB AND SB PENNSYLVANIA AVE OUTSIDE LANES AND RIGHT TURN LANES, ALONG WITH WB EDGERTON AVE OUTSIDE LANE AND WB STH 794 OUTSIDE LANE.

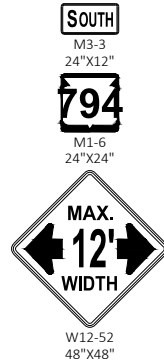
2. WORK OPERATIONS INCLUDE SIGNAL IMPROVEMENTS AND REPLACING CURB RAMPS AND SIDEWALK IN THE SOUTHEAST, NORTHEAST, AND NORTHWEST QUADRANTS.

3. ALL SIGNS DEPLOYED LONGER THAN 7 DAYS MUST BE POST MOUNTED.



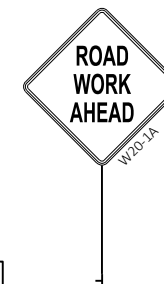
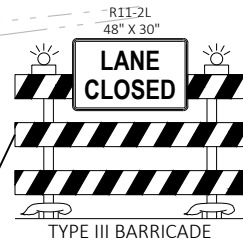
PLACE ON SB PENNSYLVANIA AVE
PRIOR TO CTH Y (LAYTON AVE)

PLACE ON CTH Y EAST AND WEST
APPROACHES TO PENNSYLVANIA AVE



PLACE PCMS 5 FIVE DAYS PRIOR TO CLOSURE.

PLACE PCMS 6 JUST WEST OF INTERSECTION OF EDGERTON AVE AND
NICHOLSON AVE TO INFORM PUBLIC OF RIGHT TURN CLOSURE.



PROJECT NO: 1000-92-90

HWY: VAR HWY

COUNTY: MILWAUKEE

TRAFFIC CONTROL - STH 794

SHEET

E

FILE NAME: N:\PDS\C3D\10009200\SHEETPLAN\026001-S1_STH 794.DWG
LAYOUT NAME - 026002-S1

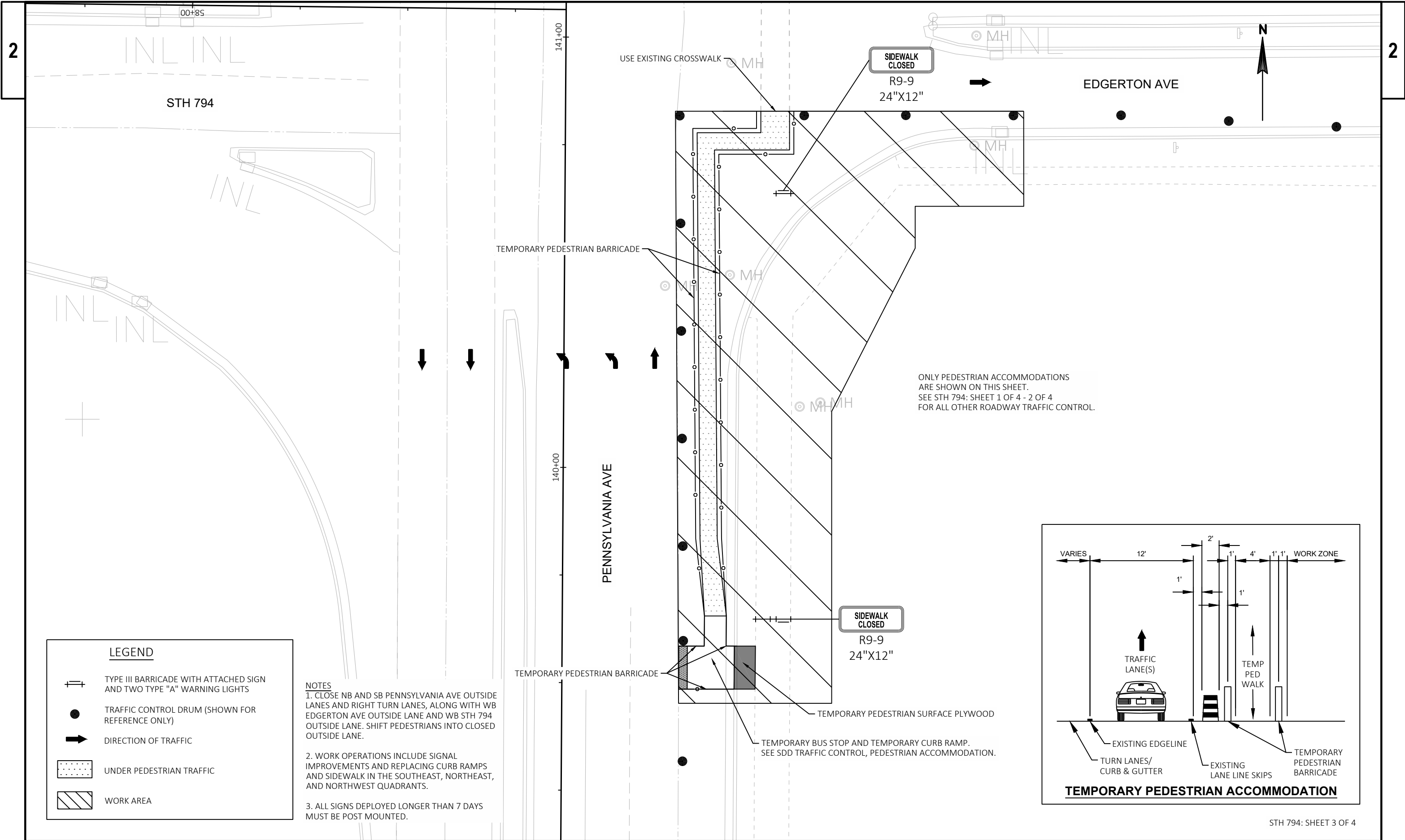
PLOT DATE: 1/31/2020 10:39 AM

PLOT BY: MATHENY, ROBERT B

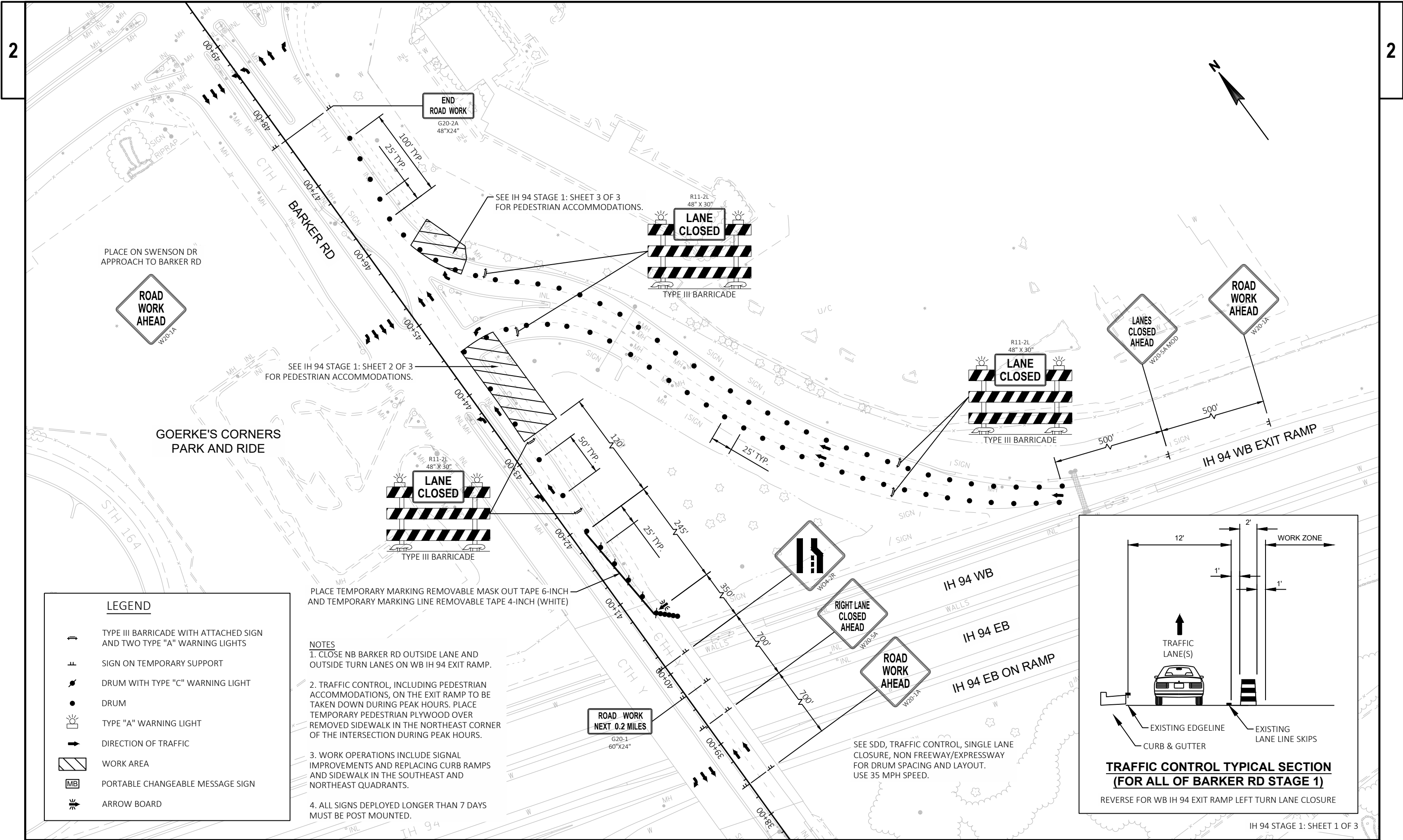
PLOT NAME:

PLOT SCALE: 1 IN:100 FT

WISDOT/CADDs SHEET 42







LEGEND

TYPE III BARRICADE WITH ATTACHED SIGN AND TWO TYPE "A" WARNING LIGHTS

SIGN ON TEMPORARY SUPPORT

DRUM WITH TYPE "C" WARNING LIGHT

DRUM

TYPE "A" WARNING LIGHT

DIRECTION OF TRAFFIC

WORK AREA

PORTABLE CHANGEABLE MESSAGE SIGN

ARROW BOARD

PLACE TEMPORARY MARKING REMOVABLE MASK OUT TAPE 6-INCH AND TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)

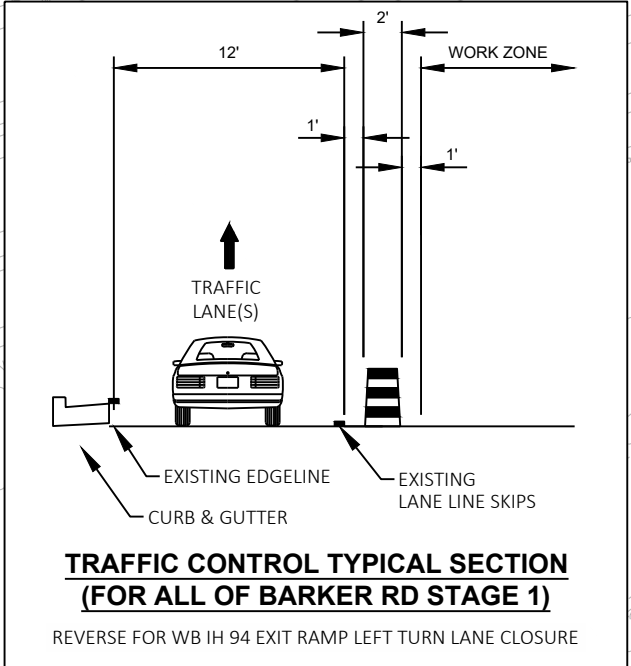
NOTES

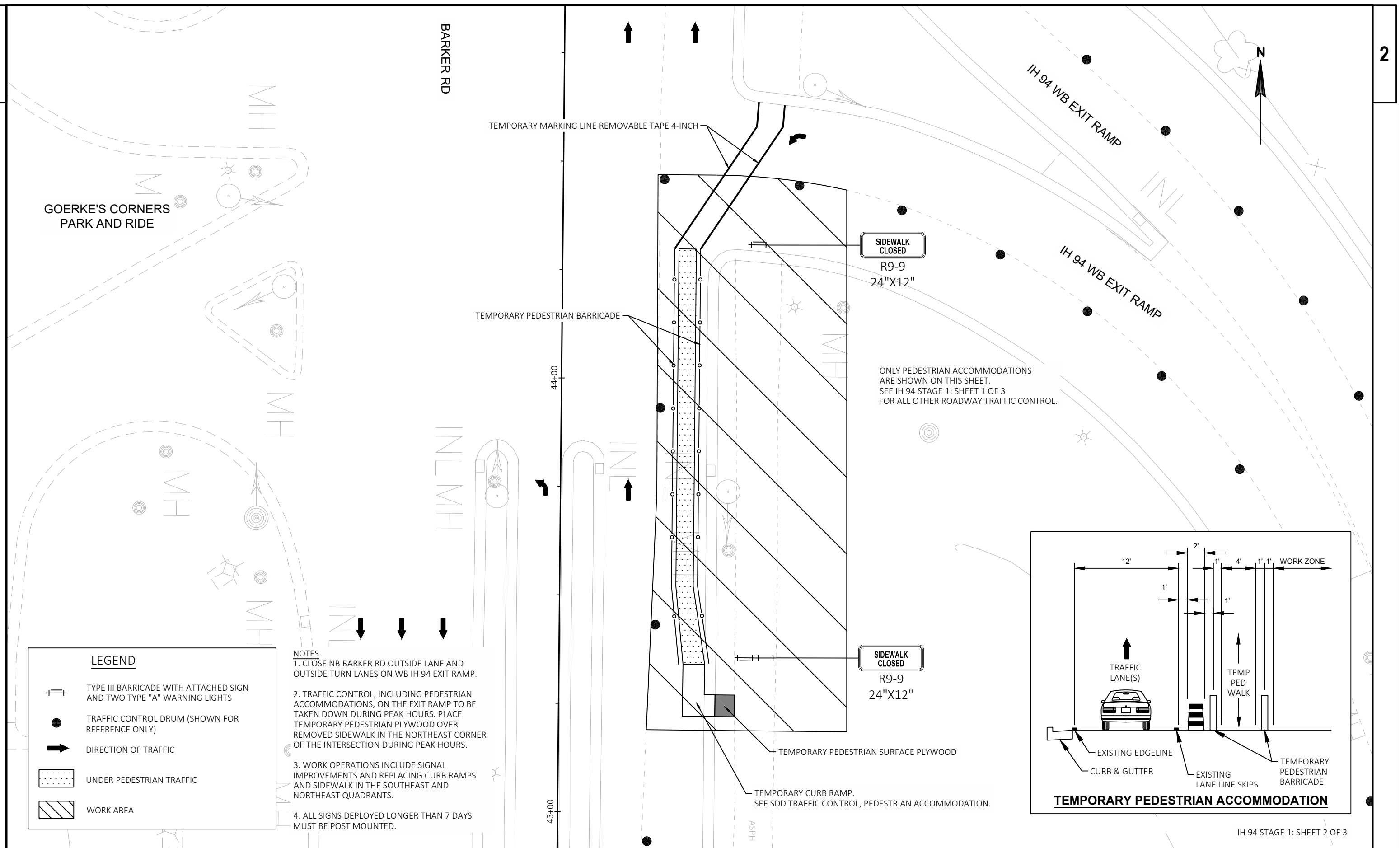
1. CLOSE NB BARKER RD OUTSIDE LANE AND OUTSIDE TURN LANES ON WB IH 94 EXIT RAMP.

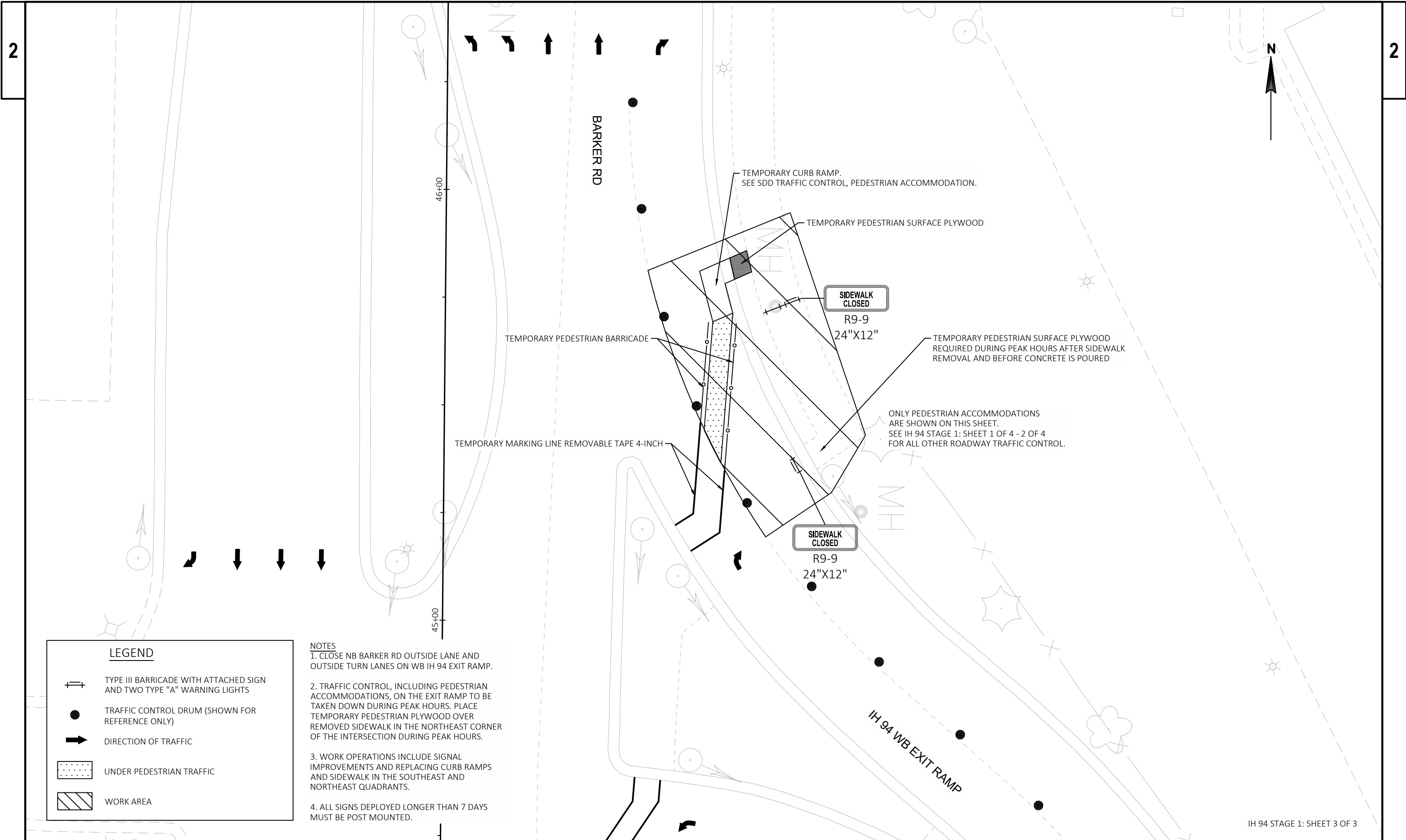
2. TRAFFIC CONTROL, INCLUDING PEDESTRIAN ACCOMMODATIONS, ON THE EXIT RAMP TO BE TAKEN DOWN DURING PEAK HOURS. PLACE TEMPORARY PEDESTRIAN PLYWOOD OVER REMOVED SIDEWALK IN THE NORTHEAST CORNER OF THE INTERSECTION DURING PEAK HOURS.

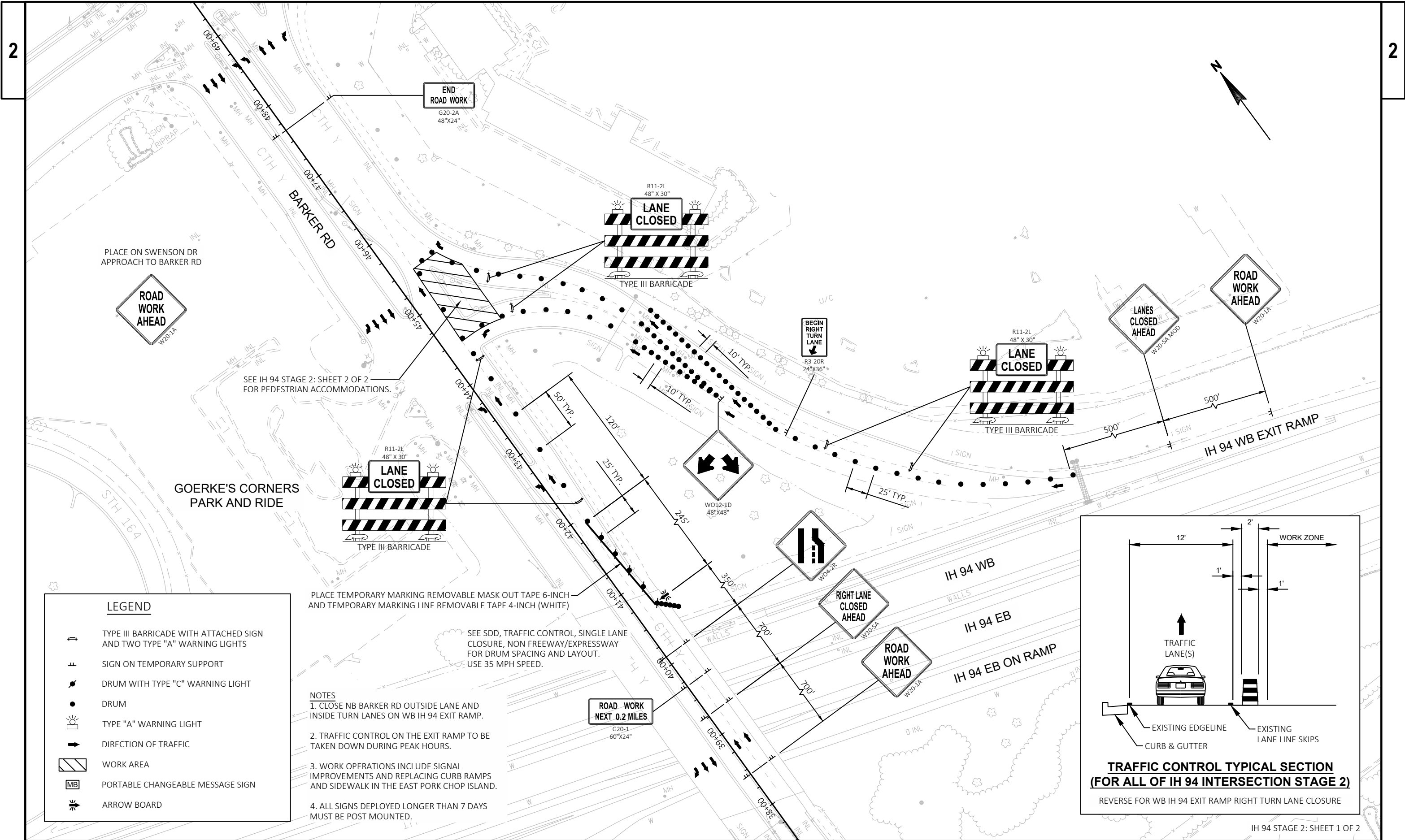
3. WORK OPERATIONS INCLUDE SIGNAL IMPROVEMENTS AND REPLACING CURB RAMPS AND SIDEWALK IN THE SOUTHEAST AND NORTHEAST QUADRANTS.

4. ALL SIGNS DEPLOYED LONGER THAN 7 DAYS MUST BE POST MOUNTED.









LEGEND

TYPE III BARRICADE WITH ATTACHED SIGN AND TWO TYPE "A" WARNING LIGHTS

SIGN ON TEMPORARY SUPPORT

DRUM WITH TYPE "C" WARNING LIGHT

DRUM

TYPE "A" WARNING LIGHT

DIRECTION OF TRAFFIC

WORK AREA

PORTABLE CHANGEABLE MESSAGE SIGN

ARROW BOARD

PLACE TEMPORARY MARKING REMOVABLE MASK OUT TAPE 6-INCH AND TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)

SEE SDD, TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON FREEWAY/EXPRESSWAY FOR DRUM SPACING AND LAYOUT. USE 35 MPH SPEED.

- NOTES
1. CLOSE NB BARKER RD OUTSIDE LANE AND INSIDE TURN LANES ON WB IH 94 EXIT RAMP.

2. TRAFFIC CONTROL ON THE EXIT RAMP TO BE TAKEN DOWN DURING PEAK HOURS.

3. WORK OPERATIONS INCLUDE SIGNAL IMPROVEMENTS AND REPLACING CURB RAMPS AND SIDEWALK IN THE EAST PORK CHOP ISLAND.

4. ALL SIGNS DEPLOYED LONGER THAN 7 DAYS MUST BE POST MOUNTED.

12'

2'

1'

1'

WORK ZONE

↑

TRAFFIC LANE(S)

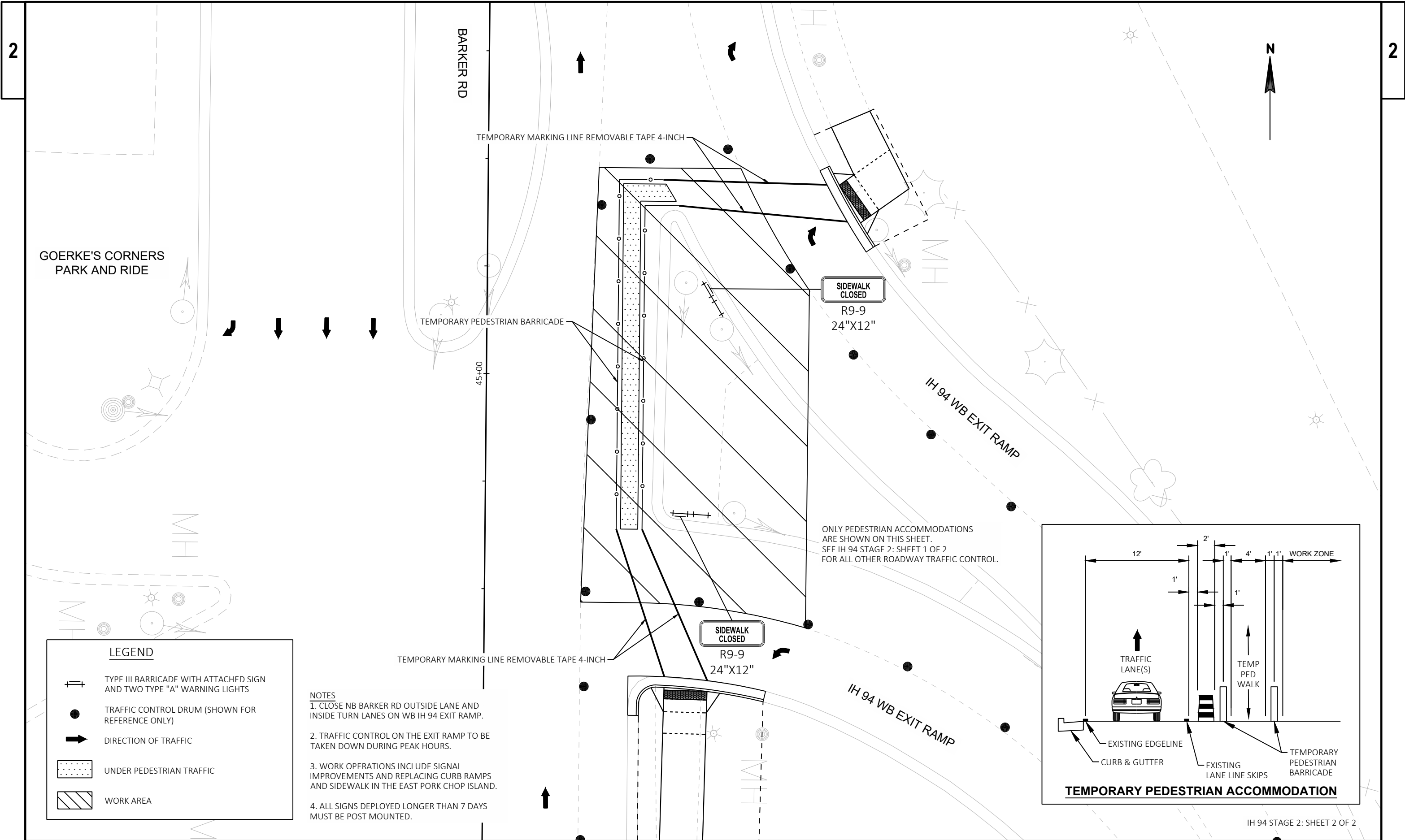
EXISTING EDGELINE

CURB & GUTTER

EXISTING LANE LINE SKIPS

TRAFFIC CONTROL TYPICAL SECTION
(FOR ALL OF IH 94 INTERSECTION STAGE 2)

REVERSE FOR WB IH 94 EXIT RAMP RIGHT TURN LANE CLOSURE



LEGEND

TYPE III BARRICADE WITH ATTACHED SIGN AND TWO TYPE "A" WARNING LIGHTS

TRAFFIC CONTROL DRUM (SHOWN FOR REFERENCE ONLY)

DIRECTION OF TRAFFIC

UNDER PEDESTRIAN TRAFFIC

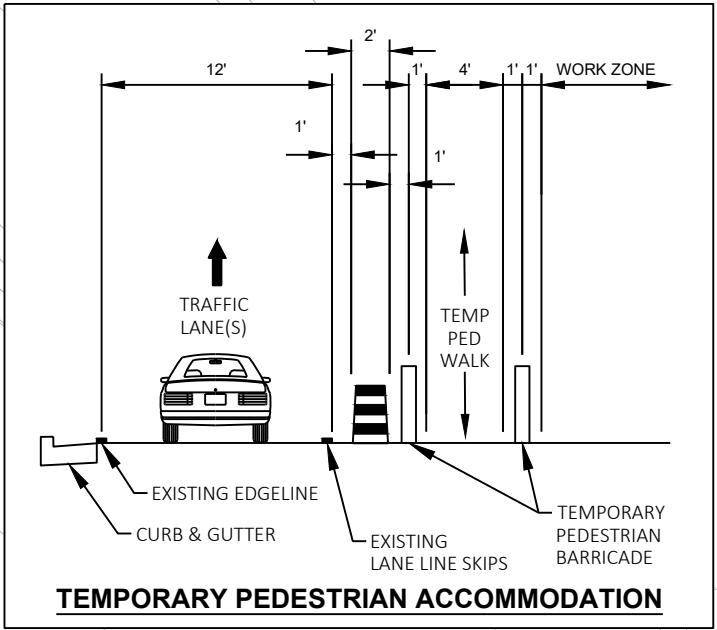
WORK AREA

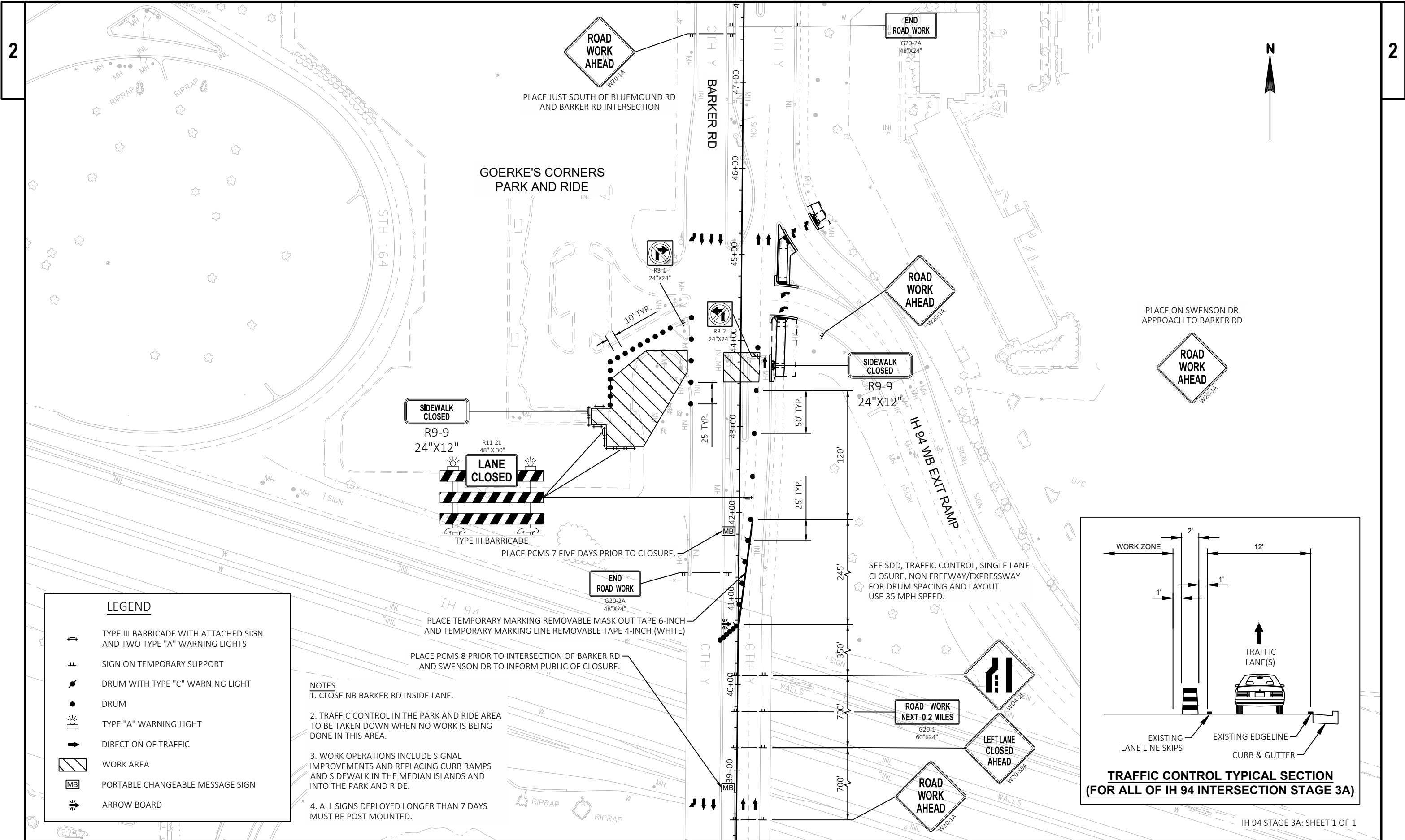
- NOTES
1. CLOSE NB BARKER RD OUTSIDE LANE AND INSIDE TURN LANES ON WB IH 94 EXIT RAMP.

2. TRAFFIC CONTROL ON THE EXIT RAMP TO BE TAKEN DOWN DURING PEAK HOURS.

3. WORK OPERATIONS INCLUDE SIGNAL IMPROVEMENTS AND REPLACING CURB RAMPS AND SIDEWALK IN THE EAST PORK CHOP ISLAND.

4. ALL SIGNS DEPLOYED LONGER THAN 7 DAYS MUST BE POST MOUNTED.



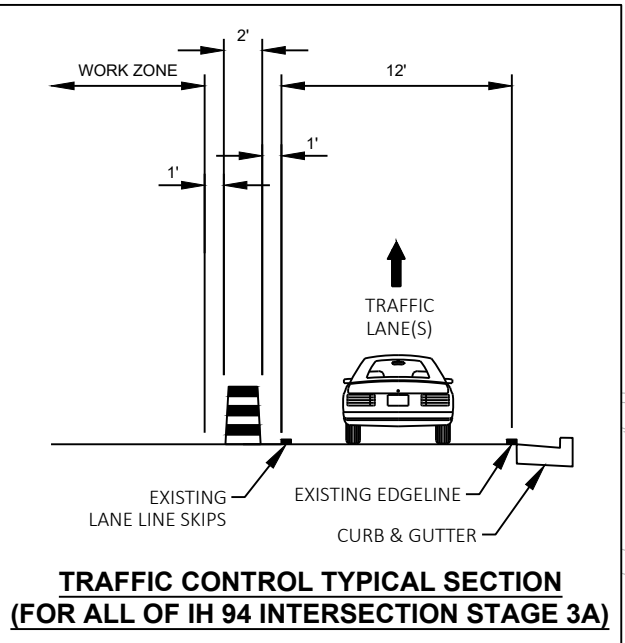


LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN AND TWO TYPE "A" WARNING LIGHTS
- SIGN ON TEMPORARY SUPPORT
- DRUM WITH TYPE "C" WARNING LIGHT
- DRUM
- TYPE "A" WARNING LIGHT
- DIRECTION OF TRAFFIC
- WORK AREA
- PORTABLE CHANGEABLE MESSAGE SIGN
- ARROW BOARD

NOTES

- CLOSE NB BARKER RD INSIDE LANE.
- TRAFFIC CONTROL IN THE PARK AND RIDE AREA TO BE TAKEN DOWN WHEN NO WORK IS BEING DONE IN THIS AREA.
- WORK OPERATIONS INCLUDE SIGNAL IMPROVEMENTS AND REPLACING CURB RAMPS AND SIDEWALK IN THE MEDIAN ISLANDS AND INTO THE PARK AND RIDE.
- ALL SIGNS DEPLOYED LONGER THAN 7 DAYS MUST BE POST MOUNTED.



IH 94 STAGE 3A: SHEET 1 OF 1

PROJECT NO: 1000-92-90

HWY: VAR HWY

COUNTY: WAUKESHA

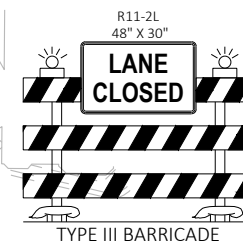
TRAFFIC CONTROL - IH 94 WB EXIT RAMP - STAGE 3A

SHEET

E



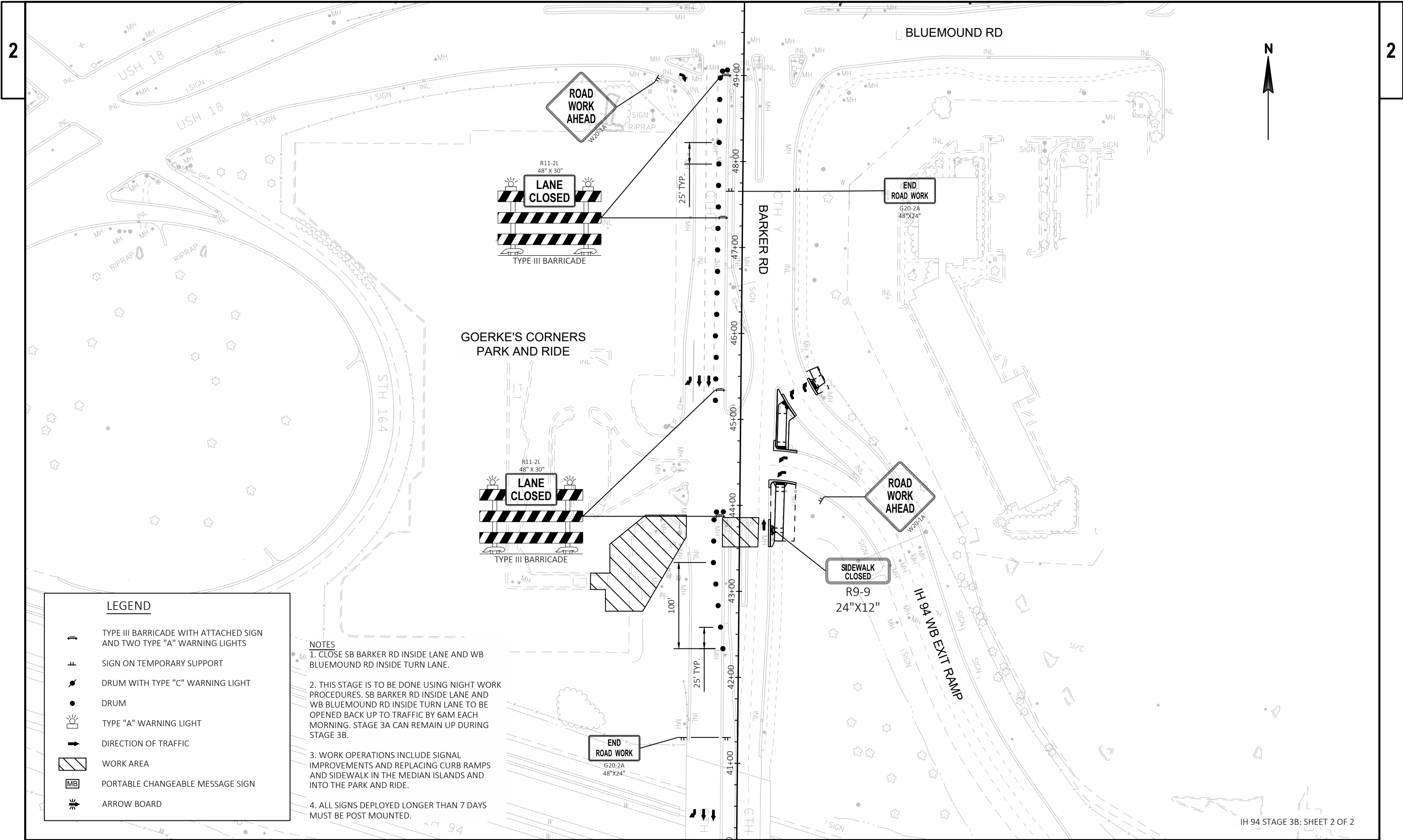
SEE SDD, TRAFFIC CONTROL, INTERSECTION
WITHIN SINGLE LEFT LANE CLOSURE
FOR DRUM SPACING AND LAYOUT.

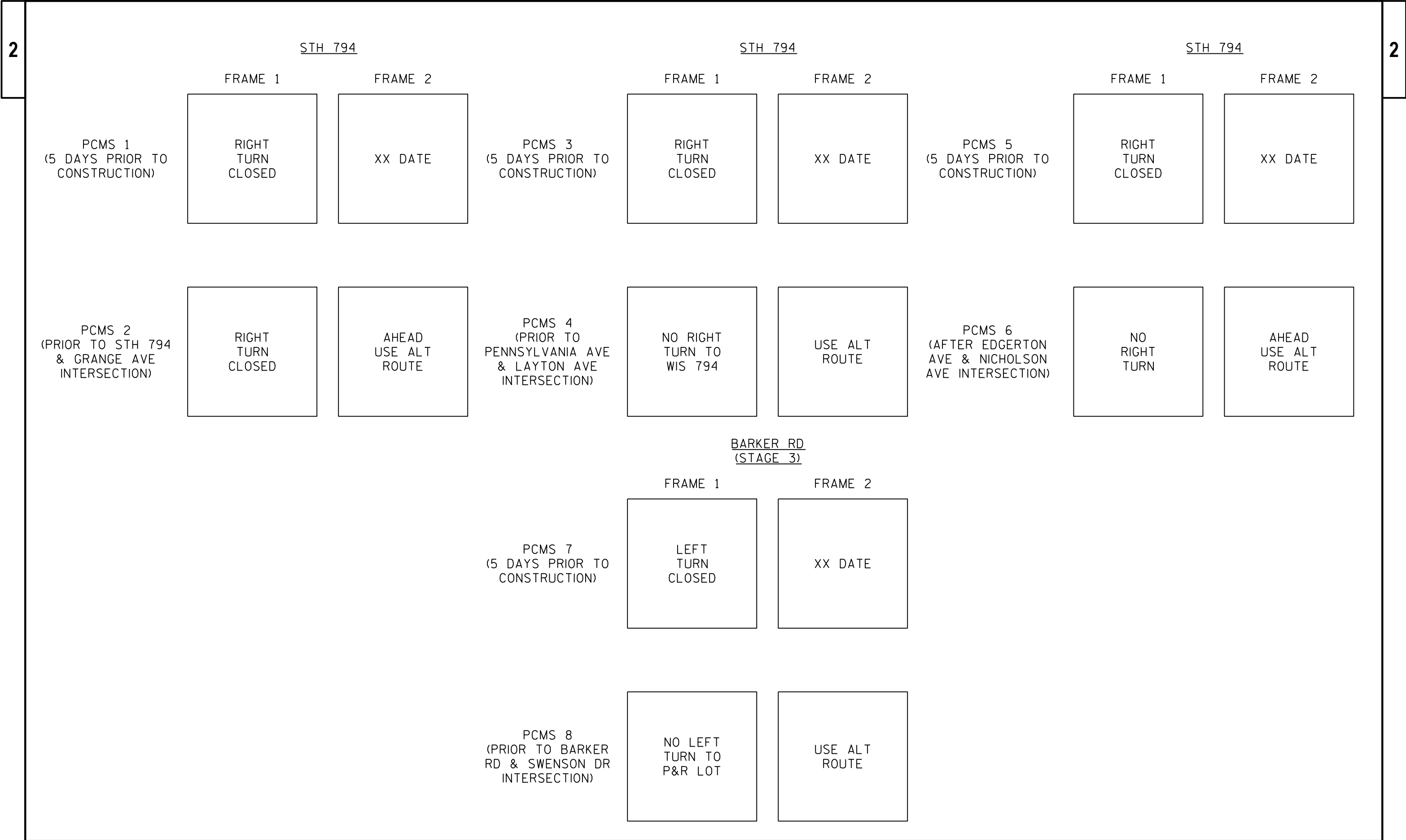


NOTES

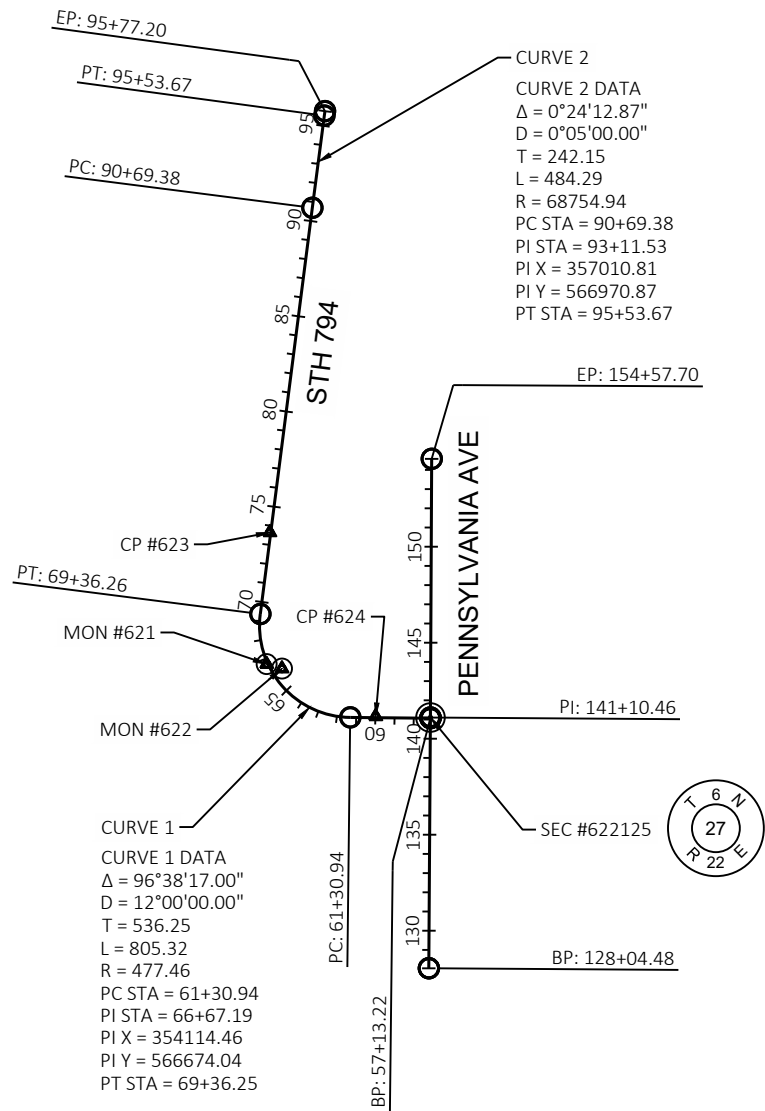
1. CLOSE SB BARKER RD INSIDE LANE AND WB BLUEMOUND RD INSIDE TURN LANE.
2. THIS STAGE IS TO BE DONE USING NIGHT WORK PROCEDURES. SB BARKER RD INSIDE LANE AND WB BLUEMOUND RD INSIDE TURN LANE TO BE OPENED BACK UP TO TRAFFIC BY 6AM EACH MORNING. STAGE 3A CAN REMAIN UP DURING STAGE 3B.
3. WORK OPERATIONS INCLUDE SIGNAL IMPROVEMENTS AND REPLACING CURB RAMPS AND SIDEWALK IN THE MEDIAN ISLANDS AND INTO THE PARK AND RIDE.
4. ALL SIGNS DEPLOYED LONGER THAN 7 DAYS MUST BE POST MOUNTED.

■

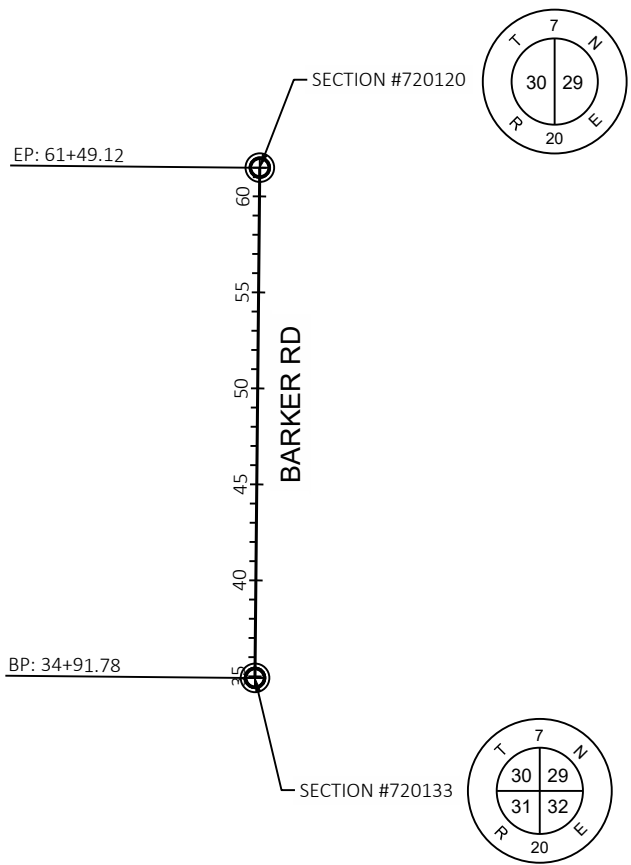




BENCHMARKS			
NO.	STATION	ELEV.	DESCRIPTION
621	66+73	693.29'	MONUMENT WISDOT ALUM CAP SET IN CENTER OF PARAPET WALL AT SOUTH END OF BRIDGE SOUTHBOUND LANES
622	66+11	692.41'	MONUMENT WISDOT ALUM CAP SET IN CENTER OF PARAPET WALL AT SOUTH END OF BRIDGE NORTHBOUND LANES
623	73+66	687.73'	CONTROL POINT 1 M FENO W/ BRASS CAP
624	59+99	677.96'	CONTROL POINT 1 M FENO W/ BRASS CAP
622125	141+10	673.90'	SECTION CORNER CONC MON BRASS CAP



BENCHMARKS			
NO.	STATION	ELEV.	DESCRIPTION
720120	61+49	N/A	FOUND BRASS CAP IN GOOD CONDITION
720133	34+92	917.05'	FOUND BRASS CAP IN GOOD CONDITION



					204.0100 REMOVING PAVEMENT SY
STATION	TO	STATION	OFFSET	LOCATION	
141+54	-	142+02	LT	STH 794	89
TOTAL 0010					89
NOTE: SIDEWALK AND CURB & GUTTER ARE PART OF PAVEMENT REMOVAL					

					204.0150 REMOVING CURB & GUTTER LF
STATION	TO	STATION	OFFSET	LOCATION	
140+20	-	140+80	RT	STH 794	98
141+42	-	142+02	RT	STH 794	98
141+71	-	142+03	LT	STH 794	42
43+19	-	43+46	LT	IH 94	27
43+03	-	43+18	LT	IH 94	53
43+62	-	43+83	LT	IH 94	26
43+69	-	43+84	LT	IH 94	25
43+69	-	43+75	RT	IH 94	12
43+52	-	43+84	RT	IH 94	32
44+21	-	44+28	RT	IH 94	35
44+63	-	44+76	RT	IH 94	34
45+04	-	45+29	RT	IH 94	30
45+30	-	45+49	RT	IH 94	21
TOTAL 0010					533

					204.0110 REMOVING ASPHALTIC SURFACE SY
STATION	TO	STATION	OFFSET	LOCATION	
43+59	-	44+13	RT	IH 94	58
TOTAL 0010					58

					204.0155 REMOVING CONCRETE SIDEWALK SY
STATION	TO	STATION	OFFSET	LOCATION	
139+84	-	140+73	RT	STH 794	107
141+66	-	142+07	RT	STH 794	28
43+03	-	43+17	LT	IH 94	31
43+69	-	43+83	LT	IH 94	8
43+69	-	43+75	RT	IH 94	3
44+13	-	44+27	RT	IH 94	16
44+65	-	45+36	RT	IH 94	95
45+36	-	45+62	RT	IH 94	26
TOTAL 0010					314

					204.0120 REMOVING ASPHALTIC SURFACE MILLING SY	REMARKS
STATION	TO	STATION	OFFSET	LOCATION		
42+78	-	43+46	LT	IH 94	76	2" TYP. MILL
TOTAL 0010					76	

					204.0190 REMOVING SURFACE DRAINS EACH	REMARKS
STATION	TO	STATION	OFFSET	LOCATION		
43+15	-	43+46	125.0' LT	IH 94	1	PARK & RIDE
TOTAL 0010					1	

				209.1500 BACKFILL GRANULAR GRADE 1 TON	
STATION	OFFSET	LOCATION		TON	REMARKS
141+57	67.3' RT	STH 794		2	SIGNAL REMOVAL
141+78	54.0' RT	STH 794		2	SIGNAL REMOVAL
43+73	14.6' LT	IH 94		2	SIGNAL REMOVAL
43+74	38.6' RT	IH 94		2	SIGNAL REMOVAL
TOTAL 0010				8	

						416.1010 CONCRETE SURFACE DRAINS CY
STATION	TO	STATION	OFFSET	LOCATION		CY
42+82	-	42+96	LT	IH 94		2
TOTAL 0010						2

						465.0105 ASPHALTIC SURFACE TON	
STATION	TO	STATION	OFFSET	LOCATION		TON	REMARKS
42+78	-	43+46	LT	IH 94		9	PARK & RIDE MILL
TOTAL 0010						9	

				305.0120 BASE AGGREGATE DENSE 1 1/4- INCH TON	
LOCATION		TON			REMARKS
STH 794		14			ALL CURB AND GUTTER
STH 794		53			ALL SIDEWALK
IH 94		12			ALL CURB AND GUTTER
IH 94		40			ALL SIDEWALK
TOTAL 0010		119			

CURB & GUTTER											
		416.0610	601.0331	601.0409	601.0411	620.0300	650.5500	SPV.0090.01			
		CONCRETE CURB		CONCRETE CURB	CONCRETE CURB	CONCRETE	CONSTRUCTION				
		& GUTTER 31- INCH		& GUTTER 30- INCH TYPE A	& GUTTER 30- INCH TYPE D	MEDIAN SLOPED NOSE SF	STAKING CURB GUTTER AND CURB & GUTTER LF	CONCRETE CURB & GUTTER 54- INCH TYPE A LF			
STATION	TO	STATION	OFFSET	LOCATION	DRILLED TIE BARS EACH						
140+20	-	140+80	RT	STH 794	39	98	--	--	--	98	--
141+42	-	142+02	RT	STH 794	39	98	--	--	--	98	--
141+54	-	142+02	LT	STH 794	20	50	--	--	153	80	30
141+71	-	142+03	LT	STH 794	17	42	--	--	--	42	--
42+96	-	43+46	LT	IH 94	--	--	--	50	--	50	--
43+03	-	43+18	LT	IH 94	--	--	--	53	--	53	--
43+62	-	43+83	LT	IH 94	10	--	26	--	--	26	--
43+69	-	43+84	LT	IH 94	--	--	--	25	36	25	--
43+69	-	43+75	RT	IH 94	--	--	--	12	--	12	--
43+52	-	43+84	RT	IH 94	--	--	--	32	--	32	--
44+21	-	44+28	RT	IH 94	14	--	35	--	--	35	--
44+63	-	44+76	RT	IH 94	14	--	34	--	--	34	--
45+04	-	45+29	RT	IH 94	12	--	30	--	--	30	--
45+30	-	45+49	RT	IH 94	8	--	21	--	--	21	--
TOTAL 0010					173	288	146	172	189	636	30

				SIDEWALK								
				601.0600	602.0410	602.0505	602.0605	650.9000	SPV.0060.01	SPV.0060.02	SPV.0165.01	
				CONCRETE CURB PEDESTRIAN LF	CONCRETE SIDEWALK 5- INCH SF	CURB RAMP DETECTABLE WARNING FIELD YELLOW SF	CURB RAMP DETECTABLE WARNING FIELD RADIAL YELLOW SF	CONSTRUCTION STAKING CURB RAMP EACH	CURB RAMP GRADING AND SHAPING EACH	SIDEWALK GRADING AND SHAPING EACH	CONSTRUCTION STAKING SIDEWALK SF	
STATION	TO	STATION	OFFSET									
139+84	-	140+70	RT	4	858	--	19	1	1	1	858	
141+51	-	142+07	RT	--	550	--	35	2	2	1	550	
141+57	-	141+90	LT	--	396	24	--	2	2	--	396	
141+82	-	141+93	LT	--	62	12	--	1	1	--	62	
43+03	-	43+17	LT	--	277	10	--	1	1	--	277	
43+07	-	43+78	LT	--	577	20	--	2	2	1	577	
43+69	-	43+81	LT	--	60	--	--	1	1	--	60	
43+69	-	43+75	RT	--	28	--	--	1	1	--	28	
43+59	-	44+27	RT	--	702	30	--	2	2	1	702	
44+65	-	45+36	RT	--	898	40	--	2	2	--	898	
45+36	-	45+58	RT	--	251	20	--	1	1	--	251	
TOTAL 0010				4	4,659	156	54	16	16	4	4,659	

			611.8115 ADJUSTING INLET COVERS EACH
STATION	OFFSET	LOCATION	
140+77	100.8' RT	STH 794	1
141+43	98.4' RT	STH 794	1
43+80	17.6' LT	IH 94	1
43+79	35.6' RT	IH 94	1
TOTAL 0010			4

RESTORATION ITEMS										
				625.0500 SALVAGED TOPSOIL SY	628.2004 EROSION MAT CLASS I TYPE B SY	628.6510 SOIL STABILIZER TYPE B ACRE	629.0210 FERTILIZER TYPE B CWT	630.0130 SEEDING MIXTURE NO. 30 LB	630.0200 SEEDING TEMPORARY LB	630.0500 SEED WATER MGAL
STATION	TO	STATION	OFFSET	LOCATION						
139+84	-	140+77	RT	STH 794	110	110	0.02	0.1	2	2
141+44	-	142+07	RT	STH 794	54	54	0.01	0.1	1	1
141+73	-	142+04	LT	STH 794	44	44	0.01	0.1	1	1
42+75	-	43+87	LT	IH 94	227	227	0.05	0.1	4	5
43+46	-	44+27	RT	IH 94	136	136	0.03	0.1	2	3
45+30	-	45+62	RT	IH 94	20	20	0.01	0.1	1	1
				UNDISTRIBUTED	148	148	0.03	0.4	14	3
				TOTAL 0010	739	739	0.16	1.0	25	16

SILT FENCE						
		628.1504		628.1520		
				SILT FENCE		
				SILT FENCE	MAINTENANCE	
STATION	TO	STATION	OFFSET	LOCATION	LF	LF
43+45	-	44+23	RT	IH 94	86	86
TOTAL 0010					86	86

EROSION CONTROL MOBILIZATION		
		628.1905
		MOBILIZATIONS
		EROSION
		CONTROL
LOCATION	EACH	EACH
STH 794	1	1
IH 94	1	1
TOTAL 0010		2

		628.7015
		INLET
		PROTECTION
		TYPE C
		EACH
LOCATION		
STH 794		28
IH 94		9
TOTAL 0010		37

628.7504			
TEMPORARY			
DITCH CHECKS			
STATION	OFFSET	LOCATION	LF
42+69	112' LT	IH 94	12
TOTAL 0010			12

628.7570			
ROCK BAGS			
STATION	OFFSET	LOCATION	EACH
43+15	149' RT	IH 94	6
TOTAL 0010			6

3

TYPE II PERMANENT SIGNING -

1000-92-90 VARIOUS HWYS

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	SIGN SIZE W x H [IN.] x [IN.]	637.2210 SIGNS TYPE II REFLC H [SF]	637.2230 SIGNS TYPE II REFLC F [SF]	638.3000 REMOVING SMALL SIGN SUPPORTS [EA]	634.0618 WOOD POSTS 4"X6"x18' [EA]	638.2102 MOVE SIGNS TYPE II [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
STH 794										
1	R6-2L(2S)	--	24 x 30	5.000	--	--	1	--	--	--
2	R5-1(2S)	--	30 x 30	6.250	--	--	--	--	--	MOUNT ON SIGNAL POLE
3	R1-2	--	-- x --	--	--	1	1	1	--	--
4	R1-1F	--	-- x --	--	--	--	--	1	--	MOUNT ON SIGNAL POLE
5	W12-1D	--	-- x --	--	--	--	--	1	--	MOUNT ON SIGNAL POLE
6	R6-2L(2S)	--	24 x 30	5.000	--	--	--	--	--	MOUNT ON SIGNAL POLE
7	R5-1	--	-- x --	--	--	--	--	1	--	MOUNT ON SIGNAL POLE
8	R1-1F	--	-- x --	--	--	--	--	1	--	MOUNT ON SIGNAL POLE
9	R6-2L(2S)	--	24 x 30	5.000	--	--	--	--	--	MOUNT ON SIGNAL POLE
10	R5-1(2S)	--	30 x 30	6.250	--	--	--	--	--	MOUNT ON SIGNAL POLE
SUBTOTAL				27.500	0.000	1	2	5		

3

TYPE II PERMANENT SIGNING -

1000-92-90 VARIOUS HWYS

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	SIGN SIZE W x H [IN.] x [IN.]	637.2210 SIGN TYPE II REFLC H [SF]	637.2230 SIGN TYPE II REFLC F [SF]	638.3000 REMOVING SMALL SIGN SUPPORTS [EA]	634.0618 WOOD POSTS 4"X6"x18' [EA]	638.2102 MOVE SIGNS TYPE II [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
IH 94										
11	--	EXIT [LA]	-- x --	--	--	1	1	1	--	--
12	R1-1	--	-- x --	--	--	1	1	1	--	--
13	R1-1	--	-- x --	--	--	1	1	1	--	--
14	--	BUS PARKING ONLY	-- x --	--	--	1	1	1	--	--
15	R3-8LR	--	-- x --	--	--	1	1	1	--	--
16	W11-2(2S)	--	30 x 30	--	6.250	--	1	--	--	--
17	W16-7L(2S)	--	24 x 12	--	2.000	--	1	--	#16	--
18	D12-2B(MOD)	--	-- x --	--	--	2	2	1	--	--
19	R1-2	--	-- x --	--	--	--	1	1	--	--
20	R1-1F	--	-- x --	--	--	--	--	1	--	MOUNT ON SIGNAL POLE
21	R4-7	--	-- x --	--	--	--	--	1	--	MOUNT ON SIGNAL POLE
22	R10-6	--	-- x --	--	--	1	1	1	--	--
23	R5-1	--	-- x --	--	--	--	--	1	#22	--
24	R3-2	--	-- x --	--	--	--	--	1	#22	--
25	R1-1F	--	-- x --	--	--	--	--	1	--	MOUNT ON SIGNAL POLE
26	R5-1	--	-- x --	--	--	--	--	1	--	MOUNT ON SIGNAL POLE
27	R6-2L	--	-- x --	--	--	--	--	1	--	MOUNT ON LIGHT POLE
28	R6-2R	--	-- x --	--	--	--	--	1	--	MOUNT ON LIGHT POLE
29	R5-1	--	-- x --	--	--	--	1	1	--	--
30	R5-1A	--	-- x --	--	--	--	--	1	#29	3 FT MOUNT HEIGHT
31	R1-1F	--	-- x --	--	--	--	--	1	#29	--
32	R5-1	--	-- x --	--	--	--	1	1	--	--
33	R5-1A	--	-- x --	--	--	--	--	1	#33	3 FT MOUNT HEIGHT
34	R1-1F	--	-- x --	--	--	--	--	1	--	MOUNT ON SIGNAL POLE
35	R1-1F	--	-- x --	--	--	--	--	1	--	MOUNT ON SIGNAL POLE
36	R10-11B	--	-- x --	--	--	--	--	1	--	MOUNT ON SIGNAL POLE
37	R1-1F	--	-- x --	--	--	--	--	1	--	MOUNT ON SIGNAL POLE
38	R10-11B	--	-- x --	--	--	--	--	1	--	MOUNT ON SIGNAL POLE
39	R10-50L(2S)	--	30 x 36	7.500	--	--	--	--	--	MOUNT ABOVE SIGNAL HEAD
40	R1-1F	--	-- x --	--	--	--	--	1	--	MOUNT ON SIGNAL POLE
--	--	--	-- x --	--	--	--	--	--	--	--
SUBTOTAL				7.500	8.250	8	13	27		
TOTALS				35.000	8.250	9	15	32		

TRAFFIC CONTROL																	
			643.0300		643.0420		643.0705		643.0715		643.0800		643.0900		643.1050		643.4100.S
			TRAFFIC		CONTROL		CONTROL		CONTROL		CONTROL				TRAFFIC		CONTROL
			CONTROL		BARRICADES		WARNING		WARNING		ARROW		TRAFFIC		CONTROL		INTERIM LANE
			DRUMS		TYPE III		LIGHTS TYPE A		LIGHTS TYPE C		BOARDS		CONTROL SIGNS		SIGNS PCMS		CLOSURE
LOCATION	STAGE	* DAYS	EACH*	DAY	EACH*	DAY	EACH*	DAY	EACH*	DAY	EACH*	DAY	EACH*	DAY	EACH*	DAY	EACH
STH 794	PRIOR TO STAGE 1	5	--	--	--	--	--	--	--	--	--	--	--	--	3	15	--
STH 794	STAGE 1	14	96	1344	5	70	10	140	14	196	2	28	41	574	3	42	--
STH 794	STAGE 1 PED	14	--	--	7	98	14	196	--	--	--	--	5	70	--	--	--
IH 94	STAGE 1	7	89	623	6	42	12	84	10	70	1	7	19	133	--	--	7
IH 94	STAGE 1 PED	7	--	--	6	42	12	84	--	--	--	--	4	28	--	--	--
IH 94	STAGE 2	7	101	707	6	42	12	84	10	70	1	7	21	147	--	--	7
IH 94	STAGE 2 PED	7	--	--	4	28	8	56	--	--	--	--	2	14	--	--	--
IH 94	PRIOR TO STAGE 3A	5	--	--	--	--	--	--	--	--	--	--	--	--	1	5	--
IH 94	STAGE 3A	7	39	273	11	77	22	154	10	70	1	7	23	161	1	7	--
IH 94	STAGE 3B	7	83	581	10	70	20	140	10	70	1	7	22	154	--	--	--
UNDISTRIBUTED		--	--	737	--	100	--	200	--	102	--	12	--	282	--	17	--
TOTAL 0010			4,265		569		1,138		578		68		1,563		86		14

*FOR INFORMATION ONLY

COVERING SIGNS						
		643.0910		643.0920		
		TRAFFIC		TRAFFIC		
		CONTROL		CONTROL		
		COVERING		COVERING		
STAGE	LOCATION	* NUMBER OF CYCLES	* NUMBER OF SIGNS	SIGNS TYPE I EACH	SIGNS TYPE II EACH	REMARKS
STAGE 1	STH 794	1	1	1	--	STH 794 RIGHT TURN AHEAD
STAGE 1	STH 794	1	1	1	--	STH 794 RIGHT TURN
STAGE 1	IH 94	5	2	10	--	OUTSIDE TURN LANES IN ASSEMBLY
STAGE 1	IH 94	5	2	--	10	OUTSIDE TURN LANES ON STRUCTURE
STAGE 2	IH 94	5	2	10	--	INSIDE TURN LANES IN ASSEMBLY
STAGE 2	IH 94	5	2	--	10	INSIDE TURN LANES ON STRUCTURE
STAGE 3	IH 94	5	1	5	--	PARK & RIDE LEFT TURN
STAGE 3	IH 94	5	1	5	--	BEGIN LEFT TURN LANE
TOTAL 0010				32	20	

* FOR INFORMATION ONLY

TEMPORARY PEDESTRIAN ITEMS						
		644.1420	644.1601	644.1810	SPV.0060.03	
		TEMPORARY	TEMPORARY	TEMPORARY	TEMPORARY	
		PEDESTRIAN	PEDESTRIAN	PEDESTRIAN	TEMPORARY	
		SURFACE	CURB RAMP	BARRICADE	BUS STOP	
		PLYWOOD				
LOCATION	STAGE	SF	EACH*	DAY	LF	EACH
STH 794	STAGE 1	77	3	42	761	2
IH 94	STAGE 1	296	2	14	247	--
IH 94	STAGE 2	--	--	--	174	--
TOTAL 0010		373	56		1,182	2

*FOR INFORMATION ONLY

PAVEMENT MARKING					
		646.6120		646.7420	
				MARKING	
				CROSSWALK	
				EPOXY	
				TRANSVERSE	
				REMOVAL LINE	
				EPOXY 18-	
				INCH	
				LF	
				LF	
				LF	
140+68	-	141+53	STH 794	29	190
141+60	-	141+71	STH 794	33	214
141+66	-	141+88	STH 794	19	61
43+02	-	43+12	IH 94	24	70
43+65	-	43+75	IH 94	33	193
44+29	-	44+64	IH 94	34	102
45+12	-	45+43	IH 94	32	98
TOTAL 0010				204	928

690.0150					
SAWING					
CONCRETE					
STATION	TO	STATION	OFFSET	LOCATION	REMARKS
42+78	-	43+46	LT	IH 94	PARK & RIDE MILL
43+59	-	44+27	RT	IH 94	SIDEWALK
TOTAL 0010				189	

TEMPORARY MARKING			
		649.0150	
		649.0960	
		TEMPORARY	
		MARKING	
		REMOVABLE	
		MASK OUT TAPE	
		TAPE 4-INCH	
		6-INCH	
		LF	
		LF	
LOCATION	STAGE	LF	LF
STH 794	STAGE 1	640	160
IH 94	STAGE 1	245	61
IH 94	STAGE 1 PED	127	--
IH 94	STAGE 2	245	61
IH 94	STAGE 2 PED	151	--
IH 94	STAGE 3	245	61
TOTAL 0010		1,653	343

690.0250					
SAWING					
CONCRETE					
STATION	TO	STATION	OFFSET	LOCATION	REMARKS
139+84	-	140+70	RT	STH 794	SIDEWALK
141+51	-	142+07	RT	STH 794	SIDEWALK
140+20	-	140+80	RT	STH 794	CURB & GUTTER
141+42	-	142+02	RT	STH 794	CURB & GUTTER
141+71	-	142+03	LT	STH 794	CURB & GUTTER
141+54	-	142+02	LT	STH 794	PAVEMENT REMOVAL
42+96	-	43+46	LT	IH 94	CURB & GUTTER
43+03	-	43+18	LT	IH 94	CURB & GUTTER
43+62	-	43+83	LT	IH 94	CURB & GUTTER
43+69	-	43+84	LT	IH 94	CURB & GUTTER
43+69	-	43+75	RT	IH 94	CURB & GUTTER
43+52	-	43+84	RT	IH 94	CURB & GUTTER
44+21	-	44+28	RT	IH 94	CURB & GUTTER
44+63	-	44+76	RT	IH 94	CURB & GUTTER
45+04	-	45+29	RT	IH 94	CURB & GUTTER
45+30	-	45+49	RT	IH 94	CURB & GUTTER
43+03	-	43+17	LT	IH 94	SIDEWALK
43+69	-	43+81	LT	IH 94	SIDEWALK
43+69	-	43+75	RT	IH 94	SIDEWALK
45+36	-	45+58	RT	IH 94	SIDEWALK
TOTAL 0010				821	

3

STH 794 & S. PENNSYLVANIA AVENUE
MILWAUKEE COUNTY
CATEGORY 0010
S40-1231

REMOVING CONCRETE BASES	
204.0195	
REMOVING	
CONCRETE BASES	
SIGNAL	
BASE NO.	EACH
SB12	1
SB13	1
TOTAL	2

REMOVE TRAFFIC SIGNALS	
204.9105.S.01	
REMOVE	
TRAFFIC SIGNALS	
LOCATION	L.S.
STH 794 & S. PENNSYLVANIA AVENUE	1
TOTAL	1

CONDUIT		
652.0225		
CONDUIT RIGID		
NONMETALLIC		
SCHEDULE 40		
2-INCH		
FROM	TO	L.F.
PB14	SB12	17
PB14	SB13	24
PB15	SB16	22
PB18	SB17	34
TOTAL		97*

* QUANTITY SHOWN ELSEWHERE ON PLAN

CONCRETE BASES			
654.0101 654.0102			
CONCRETE CONCRETE			
BASES BASES			
SIGNAL		TYPE 1	TYPE 2
BASE NO.	LOCATION*	EACH	EACH
SB12	141+74.2, 52.8' RT		1
SB13	141+68.7, 61.2' RT	1	
SB16	141+58.7, 73.3' RT	1	
SB17	140+54.6, 73.3' RT	1	
TOTAL		3*	1

* QUANTITY SHOWN ELSEWHERE ON PLAN

** FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD.

TRAFFIC SIGNAL CABLE AND WIRE		
655.0240		
CABLE		
TRAFFIC SIGNAL		
7-14 AWG		
FROM	TO	L.F.
CB1	SB12	222
CB1	SB13	229
CB1	SB16	300
CB1	SB17	418
TOTAL		1169*

* QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC SIGNAL CABLE AND WIRE		
655.0515		
ELECTRICAL WIRE		
TRAFFIC SIGNALS		
10 AWG		
FROM	TO	L.F.
PB14	SB12	18
PB14	SB13	25
PB15	SB16	26
PB18	SB17	35
SB11	SB12	118
SB12	SB13	65
SB13	SB16	143
SB16	SB17	186
SB17	SB15	62
TOTAL		678*

* QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC SIGNAL CABLE AND WIRE		
655.0230		
CABLE		
TRAFFIC SIGNAL		
5-14 AWG		
FROM	TO	L.F.
SB12	HEAD 3	50
SB13	HEAD 23	15
SB16	HEAD 24	15
SB16	HEAD 13	19
TOTAL		99*

* QUANTITY SHOWN ELSEWHERE ON PLAN

PULL BOXES		
653.0900		
ADJUSTING		
PULL BOXES		
PULL BOX		
NO.	LOCATION*	EACH
PB14	141+62.18, 47.8' LT	1
TOTAL		1

* FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIE

STH 794 & S. PENNSYLVANIA AVENUE
MILWAUKEE COUNTY
CATEGORY 0010
S40-1231

TRAFFIC SIGNAL EVP DETECTOR CABLE

655.0900		
TRAFFIC SIGNAL		
EVP DETECTOR		
CABLE		
FROM	TO	L.F.
CB1	SB12 (HEAD B)	277
TOTAL		277

POLES							
	657.0100	657.0255	657.0305	657.0420	657.0430	657.0595	658.0500
	TRANSFORMER		TRAFFIC SIGNAL		TRAFFIC SIGNAL		
	BASES BREAKAWAY		POLES	STANDARDS	STANDARDS	TROMBONE	PEDESTRIAN
	PEDESTAL	11 1/2-INCH	TYPE 2	ALUMINUM	ALUMINUM	ARMS	PUSH
SIGNAL	BASES	BOLT CIRCLE		13-FT	10-FT	25-FT	BUTTONS
BASE NO.	EACH	EACH	EACH	EACH	EACH	EACH	EACH
SB12		1	1			1	
SB13	1				1		1
SB16	1			1			1
SB17	1				1		1
TOTAL	3*	1	1	1*	2*	1	3*

* QUANTITY SHOWN ELSEWHERE ON PLAN

FACES

		658.0173	658.0416
		TRAFFIC	PEDESTRIAN
		SIGNAL FACE	SIGNAL FACE
SIGNAL	SIGNAL	3S 12-INCH	16-INCH
HEAD NO.	BASE NO.	EACH	EACH
3	SB12	1	
13	SB16	1	
22	SB17		1
23	SB13		1
24	SB16		1
TOTAL		2*	3*

* QUANTITY SHOWN ELSEWHERE ON PLAN

LED MODULES SUMMARY

		PEDESTRIAN	LED MODULES	LED MODULES	LED MODULES
		SIGNAL FACE	12-INCH	12-INCH	12-INCH
		16-INCH	RED BALL	YELLOW BALL	GREEN BALL
SIGNAL	SIGNAL				
HEAD NO.	BASE NO.	EACH	EACH	EACH	EACH
3	SB12		1	1	1
13	SB16		1	1	1
22	SB17	1			
23	SB13	1			
24	SB16	1			
TOTAL		3	2	2	2

SIGNAL MOUNTING HARDWARE

		658.5069.01
		SIGNAL
		MOUNTING
		HARDWARE
LOCATION		L.S.
STH 794 & S. PENNSYLVANIA AVENUE		1
TOTAL		1

EVP DETECTOR HEAD INSTALLATION

		SPV.0105.01
		TRANSPORT AND INSTALL
		STATE FURNISHED EVP DETECTOR HEADS
LOCATION		L.S.
STH 794 & S. PENNSYLVANIA AVENUE		1
TOTAL		1

IH-94 WB OFF RAMP & CTH Y (S. BARKER ROAD)
WAUKESHA COUNTY
CATEGORY 0010
S67-0446

REMOVING CONCRETE BASES

204.0195	
REMOVING	
SIGNAL	CONCRETE BASES
BASE NO.	EACH
SB14	1
SB15	1
TOTAL	2

REMOVE TRAFFIC SIGNALS

204.9105.S.02	
REMOVE	
TRAFFIC SIGNALS	
LOCATION	L.S.
IH-94 WB OFF RAMP & CTH Y (S. BARKER ROAD)	1
TOTAL	1

CONDUIT

652.0225		
CONDUIT RIGID		
NONMETALLIC		
SCHEDULE 40		
2-INCH		
FROM	TO	L.F.
PB10	SB16	11
PB12	SB14	6
PB14	SB15	9
TOTAL		26*

* QUANTITY SHOWN ELSEWHERE ON PLAN

CONCRETE BASES

654.0101		
CONCRETE		
BASES		
SIGNAL		TYPE 1
BASE NO.	LOCATION*	EACH
SB14	43+67.0, 38.4' RT	1
SB15	43+67.3, 15.0' LT	1
SB16	44+20.0, 53.4' RT	1
TOTAL		3*

* QUANTITY SHOWN ELSEWHERE ON PLAN

** FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD.

TRAFFIC SIGNAL CABLE AND WIRE

655.0240		655.0260
CABLE		CABLE
TRAFFIC SIGNAL		TRAFFIC SIGNAL
7-14 AWG		12-14 AWG
FROM	TO	L.F.
CB1	SB5	248
CB1	SB14	170
CB1	SB15	117
CB1	SB16	262
TOTAL		262*

* QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC SIGNAL CABLE AND WIRE

655.0515		
ELECTRICAL WIRE		
TRAFFIC SIGNALS		
10 AWG		
FROM	TO	L.F.
PB12	SB14	8
PB14	SB15	11
PB10	SB16	13
SB1	SB15	121
SB15	SB14	111
SB14	SB16	119
SB16	SB12	152
TOTAL		535*

TRAFFIC SIGNAL CABLE AND WIRE

655.0230		655.0240
CABLE		CABLE
TRAFFIC SIGNAL		TRAFFIC SIGNAL
5-14 AWG		7-14 AWG
FROM	TO	L.F.
SB1	HEAD 21	15
SB5	HEAD 6	22
SB5	HEAD 20	22
SB6	HEAD5	22
SB11	HEAD 25	15
SB12	HEAD 24	15
SB13	HEAD 26	15
SB14	HEAD 1	19
SB14	HEAD 22	15
SB15	HEAD 4	22
SB15	HEAD 7	19
SB16	HEAD 23	15
TOTAL		150*

* QUANTITY SHOWN ELSEWHERE ON PLAN

IH-94 WB OFF RAMP & CTH Y (S. BARKER ROAD)
WAUKESHA COUNTY
CATEGORY 0010
S67-0446

POLES					
	657.0100	657.0420	657.0425	657.0430	658.0500
	TRAFFIC SIGNAL STANDARDS		TRAFFIC SIGNAL STANDARDS	TRAFFIC SIGNAL STANDARDS	PEDESTRIAN
	PEDESTAL	ALUMINUM	ALUMINUM	ALUMINUM	PUSH
SIGNAL	BASES	13-FT	15-FT	10-FT	BUTTONS
BASE NO.	EACH	EACH	EACH	EACH	EACH
SB1					1
SB5	1		1		
SB11					1
SB12					1
SB13					1
SB14	1	1			1
SB15	1		1		1
SB16	1			1	1
TOTAL	4*	1*	2*	1*	7*

* QUANTITY SHOWN ELSEWHERE ON PLAN

FACES				
		658.0173	658.0174	658.0416
		TRAFFIC	TRAFFIC	PEDESTRIAN
		SIGNAL FACE	SIGNAL FACE	SIGNAL FACE
SIGNAL		3S 12-INCH	4S 12-INCH	16-INCH
HEAD NO.	BASE NO.	EACH	EACH	EACH
HEAD 21	SB1			1
HEAD 6	SB5	1		
HEAD 20	SB5		1	
HEAD 5	SB6		1	
HEAD25	SB11			1
HEAD 24	SB12			1
HEAD 26	SB13			1
HEAD 1	SB14	1		
HEAD 22	SB14			1
HEAD 4	SB15		1	
HEAD 7	SB15	1		
HEAD 23	SB16			1
TOTAL		3*	3	6*

* QUANTITY SHOWN ELSEWHERE ON PLAN

LED MODULES SUMMARY								
		PEDESTRIAN	LED MODULES	LED MODULES	LED MODULES	LED MODULES	LED MODULES	LED MODULES
		SIGNAL FACE	12-INCH	12-INCH	12-INCH	12-INCH	12-INCH	12-INCH
SIGNAL		16-INCH	RED BALL	YELLOW BALL	GREEN BALL	RED ARROW	YELLOW ARROW	GREEN ARROW
HEAD NO.	BASE NO.	EACH	EACH	EACH	EACH	EACH	EACH	EACH
HEAD 21	SB1	1						
HEAD 6	SB5		1	1	1			
HEAD 20	SB5					1	2	1
HEAD 5	SB6					1	2	1
HEAD25	SB11	1						
HEAD 24	SB12	1						
HEAD 26	SB13	1						
HEAD 1	SB14		1	1	1			
HEAD 22	SB14	1						
HEAD 4	SB15					1	2	1
HEAD 7	SB15		1	1	1			
HEAD 23	SB16	1						
TOTAL		6	3	3	3	3	6	3

SIGNAL MOUNTING HARDWARE	
	658.5069.02
	SIGNAL
	MOUNTING
	HARDWARE
LOCATION	L.S.
IH-94 WB OFF RAMP & CTH Y (S. BARKER ROAD)	1
TOTAL	1