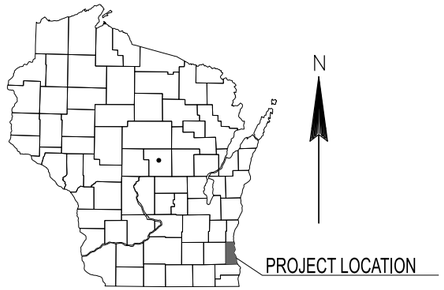
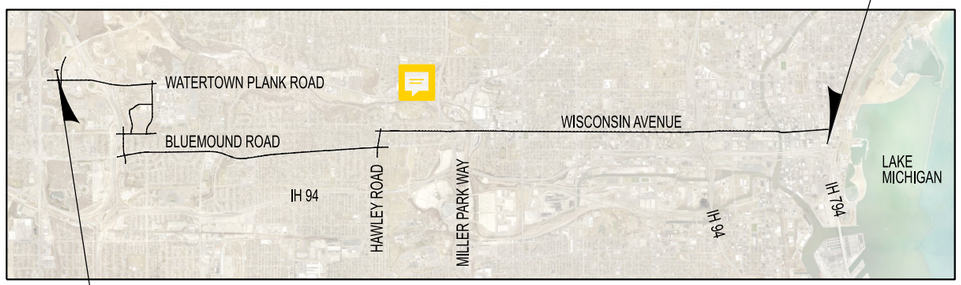
East - West Bus Rapid Transit
Intersection Reconstruction

City of Milwaukee & City of Wauwatosa, Wisconsin
Milwaukee County
August 2019 - 90% Plans
AECOM Project ID 60528491





INDEX

TITLE
GENERAL NOTES
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
CURB RAMP DETAILS
STATION 1 - WATERTOWN PLANK PARK & RIDE
STATION 2 - 92ND ST & CONNELL AVE NB
STATION 3 - 92ND ST & CONNELL AVE SB
STATION 4 - 95TH ST & BLUE MOUND RD NB
STATION 5 - BLUE MOUND RD & 95TH ST EB
STATION 6 - BLUE MOUND RD & GLENVIEW AVE WB
STATION 7 - BLUE MOUND RD & GLENVIEW AVE EB
STATION 8 - BLUE MOUND RD & 76TH ST WB
STATION 9 - BLUE MOUND RD & 76TH ST EB
STATION 10 - BLUE MOUND RD & 68TH ST WB
STATION 11 - BLUE MOUND RD & 68TH ST EB
STATION 12 - HAWLEY RD & MICHIGAN ST NB
STATION 13 - HAWLEY RD & MICHIGAN ST SB
STATION 14 - WISCONSIN AVE & 53RD ST WB
STATION 15 - WISCONSIN AVE & 53RD ST EB
STATION 16 - WISCONSIN AVE & 45TH ST WB
STATION 17 - WISCONSIN AVE & 45TH ST EB
STATION 18 - WISCONSIN AVE & 35TH ST WB
STATION 19 - WISCONSIN AVE & 35TH ST EB
STATION 20 - WISCONSIN AVE & 27TH ST WB
STATION 21 - WISCONSIN AVE & 27TH ST EB
STATION 22 - WISCONSIN AVE & 16TH ST WB
STATION 23 - WISCONSIN AVE & 16TH ST EB
STATION P1 & P2 - WISCONSIN AVE AT 15TH/14TH ST
STATION 24 - WISCONSIN AVE & 12TH ST WB
STATION 25 - WISCONSIN AVE & 12TH ST EB
STATION 26 - WISCONSIN AVE & 9TH ST EB
STATION 27 - WISCONSIN AVE & 9TH ST WB
STATION 28 - WISCONSIN AVE & 5TH ST WB
STATION 29 - WISCONSIN AVE & 5TH ST EB
STATION 30 - WISCONSIN AVE & WATER ST WB
STATION 31 - WISCONSIN AVE & WATER ST EB
STATION 32 - WISCONSIN AVE & JACKSON ST WB
STATION 33 - WISCONSIN AVE & VAN BUREN ST EB
STATION 34 - COUTURE STATION
STREET LIGHTING
ELECTRICAL PLANS
TRAFFIC SIGNALS
ITS PLANS
PAVEMENT MARKING AND SIGNING
TRAFFIC CONTROL
STATION ARCHITECTURE
STATION STRUCTURAL DETAILS

90% PLANS
NOT FOR CONSTRUCTION

PREPARED FOR

Milwaukee County Transit System
Milwaukee Transport Services, Inc.

1942 NORTH 17TH STREET
MILWAUKEE, WI 53205

414-937-3243

ORIGINAL PLANS PREPARED BY

AECOM
1555 N Rivercenter Drive, Suite 214
Milwaukee, WI 53212
(414) 944-6080

PRE_1

Plotted By: aecompw05ics01$
Plot File Date Created: 8/2/2019
Scale: 7500.00 ' / in.
Filename: \\aecompw05ics01\ICS_pdf_work_dir\9729\221962_100\010101_ti.dgn

GENERAL PLAN NOTES

SURVEY

ELEVATIONS SHOWN ON THIS PLAN ARE REFERENCED TO THE MILWAUKEE COUNTY COORDINATE SYSTEM, NAVD 88 (2012)

ROW / REAL ESTATE

ROW IS BASED ON MILWAUKEE COUNTY GIS AND MAY NOT BE ACCURATE.

DETAILED GRADES

ALL SIDEWALK AND SIDEWALK RAMP GRADES SHALL BE STAKED ACCORDING TO APPLICABLE CITY AND WISDOT STANDARD PLANS AND AS SHOWN ON THE PLANS. PRIOR TO CONSTRUCTING THE SIDEWALK AND SIDEWALK RAMPS, THE ENGINEER WILL VERIFY THE GRADES AND AUTHORIZE THE CONSTRUCTION OF THE SIDEWALK AND SIDEWALK RAMPS.

SIGNS

ANY PERMANENT SIGNS REQUIRING RELOCATION DUE TO CONTRACTOR OPERATIONS SHALL BE SALVAGED AND RESET BY THE CONTRACTOR AT LOCATIONS DESIGNATED BY THE ENGINEER. SIGNS AND POSTS DAMAGED DURING THE REMOVAL AND STORAGE OPERATIONS SHALL BE REPLACED WITH NEW SIGNS AND POSTS. THE COST OF THIS WORK SHALL BE BOURNE BY THE CONTRACTOR.

PROVIDE 24 HOURS ADVANCED NOTICE TO THE CITY OF MILWAUKEE AND WAUWATOSA FOR SIGN REMOVAL.

OTHER

REMOVAL PLANS SHOW BOTH EXISTING AND PROPOSED INLET PROTECTION LOCATIONS. REFER TO SITE PLANS FOR PROPOSED INLET AND CATCH BASIN LOCATIONS.

SITE PLANS SHOW STORM SEWER PIPES AND STRUCTURES. REFER TO THE MISCELLANEOUS QUANTITIES TABLES FOR TYPE, LENGTH, SIZE, ETC.

QUANTITY PAYMENT

PAVEMENT REMOVAL PAID FOR UNDER THE "REMOVING PAVEMENT" BID ITEM REGARDLESS OF PAVEMENT TYPE.

SAWING PAVEMENT PAID FOR UNDER "SAWING PAVEMENT" BID ITEM REGARDLESS OF PAVEMENT TYPE.

REMOVING CURB AND GUTTER PAID FOR AS "REMOVING PAVEMENT". HATCHED AREAS IN SITE PLANS ARE FOR REFERENCE ONLY.

GENERAL ELECTRICAL NOTES

1. ALL ELECTRICAL WIRING AND INSTALLATION METHODS SHALL COMPLY WITH THE 2008 NATIONAL ELECTRICAL CODE (NEC), 2009 MICHIGAN BUILDING CODE, MICHIGAN OCCUPATIONAL SAFETY AND HEALTH ACT (MIOSHA), LOCAL CODES AND ORDINANCES AND "THE RAPID" STANDARDS.
2. ALL ELECTRICAL MATERIALS AND DEVICES SHALL MEET OR EXCEED NATIONAL BUILDING CODE REQUIREMENTS AND BE LISTED OR LABELED BY A NATIONALLY RECOGNIZED TESTING LABORATORY.
3. COORDINATE ELECTRICAL WORK WITH ALL THE OTHER TRADES.
4. SEE ARCHITECTURAL, STRUCTURAL AND COMMUNICATION DRAWINGS FOR ADDITIONAL INFORMATION, INCLUDING BUT NOT LIMITED TO, LIGHT FIXTURE LOCATIONS AND INFORMATION, WIRING DEVICE LOCATIONS, CONDUIT ROUTING, ARCHITECTURAL & STRUCTURAL COORDINATION DETAILS, ETC.
5. STATION WIRING SHELTER SHALL BE INSTALLED IN CONDUIT UNDER CONCRETE SLAB OR WITHIN THE TUBE ELEMENTS. NO EXPOSED WIRING WILL BE PERMITTED UNLESS SO NOTED ON THE PLAN DRAWINGS. CABLES IN THE SHELTER ARE TO BE INSTALLED AT THE SITE OR AT THE BUILDING FABRICATOR PLANT. THE ELECTRICAL CONTRACTOR IS TO MAKE ARRANGEMENTS IF WORK WILL BE DONE OFFISTE. REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS RELATED TO ACCESS OPENINGS IN STATION STRUCTURES FOR PULLING CABLES.

UTILITY CONTACTS

AT&T CORPORATION
KENNETH COLWELL
EMAIL: KC1298@ATT.COM

AT&T WISCONSIN
JAY BULANEK
EMAIL: JB5175@ATT.COM
PHONE: (262) 896-7669

ATC
CHRIS DAILY
EMAIL: CDAILEY@ATCLLC.COM
PHONE: (262) 506-6884

CHARTER
PETE KRUZELA
EMAIL: PETE.KRUZELA@CHARTER.COM

FRONTIER (VERIZON AND MCI)
SANDY CISNEROS
EMAIL: SCISNEROS@TELECOM-ENG.COM

LEVEL 3 COMMUNICATIONS
BRAHIM GADDOUR
EMAIL: BRAHIM.GADDOUR@LEVEL3.COM

MIDWEST FIBER NETWORKS
RICHARD TRGOVEC
EMAIL: RTRGOVEC@MIDWESTFIBERNETWORKS.COM

MILWAUKEE - CABLE
DAVID HENKE
EMAIL: DHENKE@MILWAKEE.GOV
PHONE: (414) 286-3248

MILWAUKEE - LIGHTING
ENG-KIE LEE
EMAIL: ENG-KIE.LEE@MILWAUKEE.GOV
PHONE: (414) 286-2174

MILWAUKEE - CONDUIT
KAREN ROGNEY
EMAIL: KROGNEY@MILWAUKEE.GOV
PHONE: (414) 286-3273

MILWAUKEE - SEWERS
JOSH RADOMSKI
EMAIL: JOSUA.RODOMSKI@MILWAUKEE.GOV

MILWAUKEE WATER WORKS
PAT PAULY
EMAIL: PATRICK.W.PAULY@MILWAUKEE.GOV

MILWAUKEE METROPOLITAN SEWERAGE DISTRICT (MMSD)
MICKI KLAPPA-SULLIVAN
EMAIL: MKLAPPASULLIVAN@MMSD.COM

TCA
JENNIFER NAVARRO
EMAIL: J.NAVARRO@NORTHWINDTECH.COM
PHONE: (414) 459-6858

TDS TELECOM
MATTHEW SCHULTE
EMAIL: MATT.SCHULTE@TDSTELECOM.COM

US SIGNAL
CHARLIE OLSZEWSKI
EMAIL: COLSZEWSKI@USSIGNALCOM.COM

US SIGNAL
RICK ANDRICKS
EMAIL: RANDRICKS@TKNS.NET

WINDSTREAM
MARY FISHER
EMAIL: MARY.B.FISHER@WINDSTREAM.COM
PHONE: (414) 313-9032

WE ENERGIES GAS & ELECTRIC
LINDA SCHREIER
EMAIL: LINDA.SCHREIER@WE-ENERGIES.COM
PHONE: (414) 449-3056

WE ENERGIES - PROJECT MANAGEMENT
ANDY KOLOSOVSKY
EMAIL: ANDREW.KOLOSOVSKY@WECENERGYGROUP.COM
PHONE: (414) 221-5071

WE ENERGIES - EDAM
STEVE ST. AMOUR
EMAIL: STEVE.ST-AMOUR@WE-ENERGIES.COM
PHONE: (414) 221-2401

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

CITY JURISDICTIONS

CITY	STATION
CITY OF WAUWATOSA	STATION 1 - WATERTOWN PLANK PARK & RIDE
	STATION 2 - 92ND ST & CONNELL AVE NB
	STATION 3 - 92ND ST & CONNELL AVE SB
	STATION 6 - BLUE MOUND RD & GLENVIEW AVE WB
	STATION 8 - BLUE MOUND RD & 76TH ST WB
	STATION 10 - BLUE MOUND RD & 68TH ST WB
	STATION 11 - BLUE MOUND RD & 68TH ST EB
CITY OF MILWAUKEE	STATION 4 - 95TH ST & BLUE MOUND RD NB
	STATION 5 - BLUE MOUND RD & 95TH ST EB
	STATION 7 - BLUE MOUND RD & GLENVIEW AVE EB
	STATION 9 - BLUE MOUND RD & 76TH ST EB
	STATION 12 - HAWLEY RD & MICHIGAN ST NB
	STATION 13 - HAWLEY RD & MICHIGAN ST SB
	STATION 14 - WISCONSIN AVE & 53RD ST WB
	STATION 15 - WISCONSIN AVE & 53RD ST EB
	STATION 16 - WISCONSIN AVE & 45TH ST WB
	STATION 17 - WISCONSIN AVE & 45TH ST EB
	STATION 18 - WISCONSIN AVE & 35TH ST WB
	STATION 19 - WISCONSIN AVE & 35TH ST EB
	STATION 20 - WISCONSIN AVE & 27TH ST WB
	STATION 21 - WISCONSIN AVE & 27TH ST EB
	STATION 22 - WISCONSIN AVE & 16TH ST WB
	STATION 23 - WISCONSIN AVE & 16TH ST EB
	STATION P1 & P2 - WISCONSIN AVE AT 15TH/14TH ST
	STATION 24 - WISCONSIN AVE & 12TH ST WB
	STATION 25 - WISCONSIN AVE & 12TH ST EB
	STATION 26 - WISCONSIN AVE & 9TH ST EB
	STATION 27 - WISCONSIN AVE & 9TH ST WB
	STATION 28 - WISCONSIN AVE & 5TH ST WB
	STATION 29 - WISCONSIN AVE & 5TH ST EB
	STATION 30 - WISCONSIN AVE & WATER ST WB
	STATION 31 - WISCONSIN AVE & WATER ST EB
	STATION 32 - WISCONSIN AVE & JACKSON ST WB
	STATION 33 - WISCONSIN AVE & VAN BUREN ST EB
	STATION 34 - COUTURE STATION

GRADING PLANS

ABBREVIATIONS

BOC	BACK OF CURB
BOD	BACK OF DRIVEWAY
BOR	BOTTOM OF RAMP
BOS	BOTTOM OF STAIRS
BOT	BACK OF TERRACE
BOW	BACK OF WALK
EOP	EDGE OF PAVEMENT
FL	FLANGE LINE
FOC	FACE OF CURB
TOP	TOP OF PLATFORM

NOTE:
ELEVATIONS SHOWN AT TOP OF PAVEMENT.

ACRONYMS

AGG	AGGREGATE
AH	AHEAD
ASPH	ASPHALTIC
BK	BACK
CB	CATCH BASIN
CL,C/L	CENTER LINE
CONC	CONCRETE
CTH	COUNTY TRUNK HIGHWAY
CABC	CRUSHED AGGREGATE BASE COURSE
CY	CUBIC YARD
C&G	CURB AND GUTTER
DWY	DRIVEWAY
E	EAST
X	EAST GRID COORDINATE
EB	EASTBOUND
EL,ELEV	ELEVATION
EXC	EXCAVATION
EBS	EXCAVATION BELOW SUBGRADE
EXIST	EXISTING
FERT	FERTILIZE
HT	HEIGHT
ID	INCH DIAMETER
INL	INLET
INV	INVERT
JCT	JUNCTION
LT	LEFT
LF	LINEAR FOOT
MH	MANHOLE
ML,M/L	MATCH LINE
MB	MESSAGE BOARD
NC	NORMAL CROWN
N	NORTH
Y	NORTH GRID COORDINATE
NB	NORTHBOUND
PAVT	PAVEMENT
PERM	PERMANENT
PLE	PERMANENT LIMITED EASEMENT
PT	POINT
PCC	POINT OF COMPOUND CURVE
PC	POINT OF CURVATURE
PI	POINT OF INTERSECTION
PRC	POINT OF REVERSE CURVATURE
PT	POINT OF TANGENCY
POC	POINT ON CURVE
POT	POINT ON TANGENT
PVC	POLYVINYL CHLORIDE
PCC	PORTLAND CEMENT CONCRETE
LB	POUND
PSI	POUNDS PER SQUARE INCH
PL	PROPERTY LINE
R	RADIUS
RL,R/L	REFERENCE LINE
ROW	RIGHT-OF-WAY
RD	ROAD
RDWY	ROADWAY
SSS	SANITARY AND STORM SEWER
SAN S	SANITARY SEWER
SW	SIDEWALK
S	SOUTH
SB	SOUTHBOUND
SF	SQUARE FEET
SY	SQUARE YARD
SDD	STANDARD DETAIL DRAWINGS
STH	STATE TRUNK HIGHWAY
STA	STATION
SS	STORM SEWER
T	TANGENT
TEL	TELEPHONE
TLE	TEMPORARY LIMITED EASEMENT
W	WATER
WM	WATER MAIN
WV	WATER VALVE
W	WEST
WB	WESTBOUND

CONVENTIONAL SYMBOLS

PLAN

CORPORATE LIMITS

PROPERTY LINE

LOT LINE

LIMITED HIGHWAY EASEMENT

EXISTING RIGHT OF WAY

PROPOSED OR NEW R/W LINE

SLOPE INTERCEPT

REFERENCE LINE

EXISTING CULVERT

PROPOSED CULVERT (Box or Pipe)

COMBUSTIBLE FLUIDS — CAUTION

MARSH AREA

WOODED OR SHRUB AREA

PROFILE

GRADE LINE

ORIGINAL GROUND

MARSH OR ROCK PROFILE (To be noted as such) — ROCK

SPECIAL DITCH — LABEL

GRADE ELEVATION — 95.36

CULVERT (Profile View)

UTILITIES

ELECTRIC — E

FIBER OPTIC — FO

GAS — G

SANITARY SEWER — SAN

STORM SEWER — SS

TELEPHONE — T

WATER — W

UTILITY PEDESTAL

POWER POLE

TELEPHONE POLE

STATIONS

STATION 1 - WATERTOWN PLANK PARK & RIDE
STATION 2 & 3 - 92ND ST & CONNELL AVE
STATION 4 - 95TH ST & BLUE MOUND RD NB
STATION 5 - BLUE MOUND RD & 95TH ST EB
STATION 6 - BLUE MOUND RD & GLENVIEW AVE WB
STATION 7 - BLUE MOUND RD & GLENVIEW AVE EB
STATION 8 - BLUE MOUND RD & 76TH ST WB
STATION 9 - BLUE MOUND RD & 76TH ST EB
STATION 10 - BLUE MOUND RD & 68TH ST WB
STATION 11 - BLUE MOUND RD & 68TH ST EB
STATION 12 & 13 - HAWLEY RD & MICHIGAN ST NB & SB
STATION 14 & 15 - WISCONSIN AVE & 53RD ST EB & WB
STATION 16 & 17 - WISCONSIN AVE & 45TH ST EB & WB

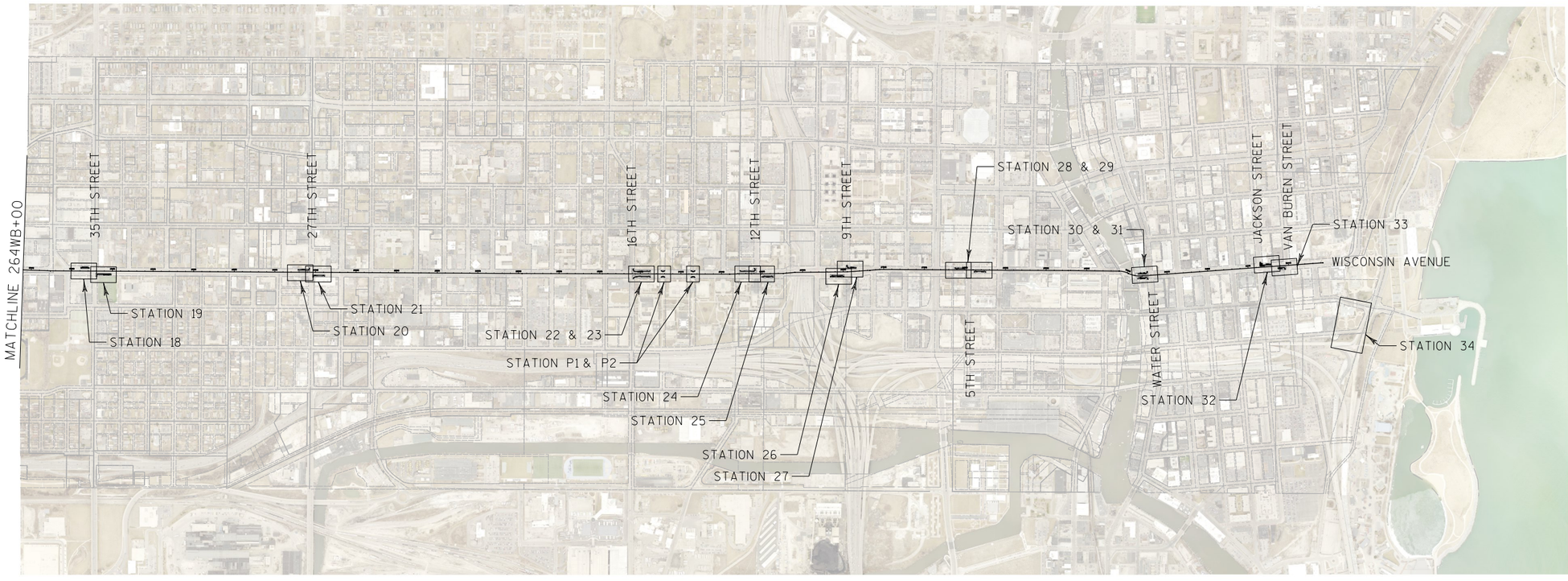


PROJECT NO: 60528491	COUNTY: MILWAUKEE	EAST - WEST BRT	PROJECT OVERVIEW	SHEET E

PRE_4

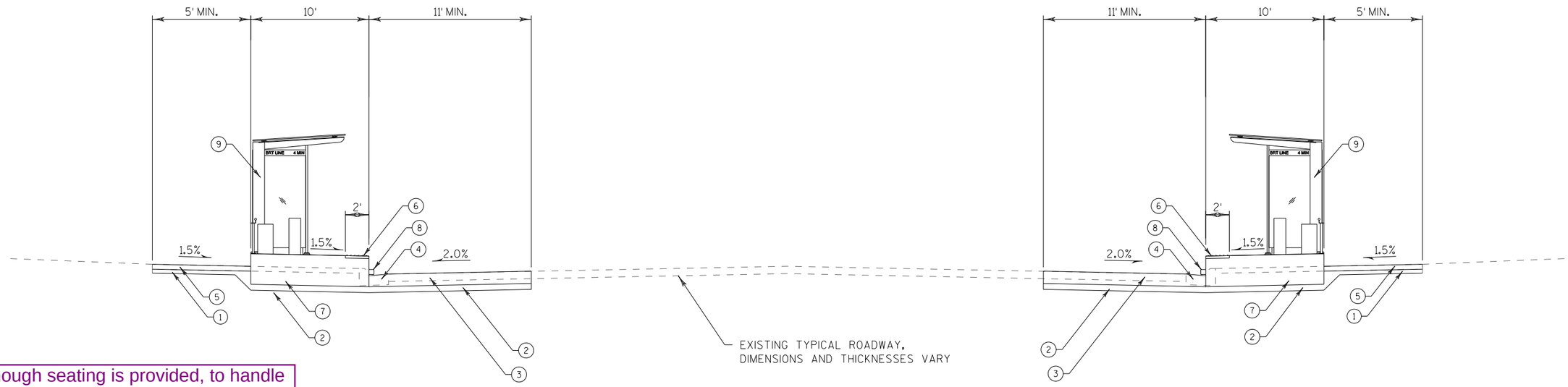
STATIONS

STATION 18 - WISCONSIN AVE & 35TH ST WB
STATION 19 - WISCONSIN AVE & 35TH ST EB
STATION 20 - WISCONSIN AVE & 27TH ST WB
STATION 21 - WISCONSIN AVE & 27TH ST EB
STATION 22 - WISCONSIN AVE & 16TH ST WB
STATION 23 - WISCONSIN AVE & 16TH ST EB
STATION P1 & P2 - WISCONSIN AVE AT 15TH/14TH ST
STATION 24 - WISCONSIN AVE & 12TH ST WB
STATION 25 - WISCONSIN AVE & 12TH ST EB
STATION 26 - WISCONSIN AVE & 9TH ST EB
STATION 27 - WISCONSIN AVE & 9TH ST WB
STATION 28 - WISCONSIN AVE & 5TH ST WB
STATION 29 - WISCONSIN AVE & 5TH ST EB
STATION 30 - WISCONSIN AVE & WATER ST WB
STATION 31 - WISCONSIN AVE & WATER ST EB
STATION 32 - WISCONSIN AVE & JACKSON ST WB
STATION 33 - WISCONSIN AVE & VAN BUREN ST EB
STATION 34 - COUTURE STATION



PROJECT NO: 60528491	COUNTY: MILWAUKEE	EAST - WEST BRT	PROJECT OVERVIEW	SHEET E

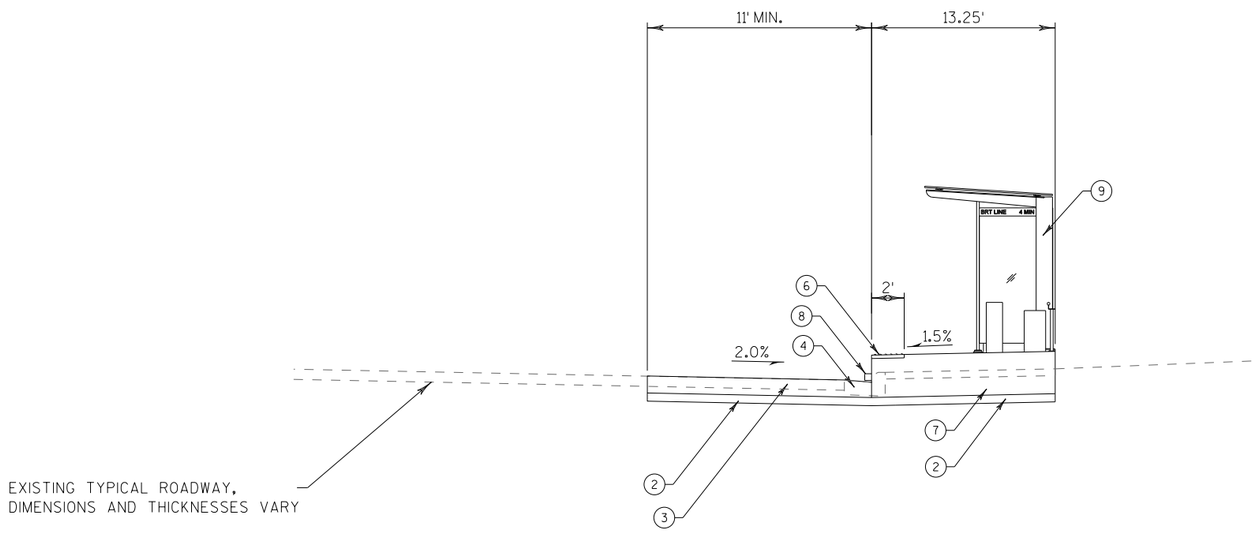
PRE_5



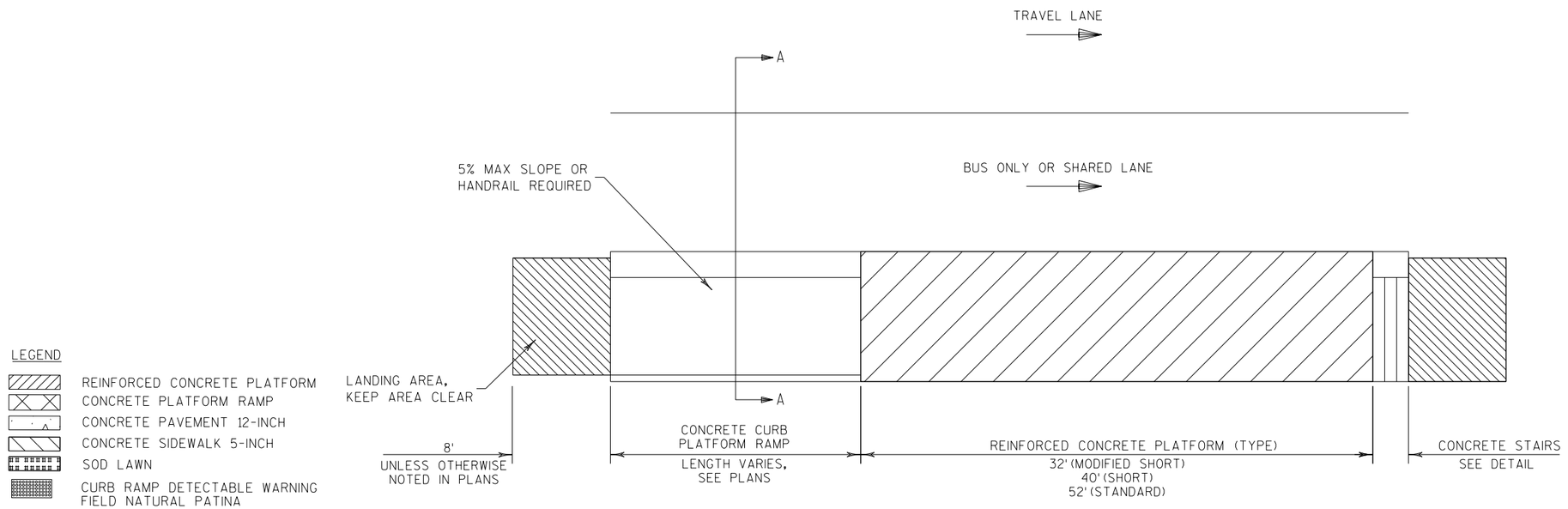
TYPICAL FINISHED SECTION
STATION PLATFORM

Although seating is provided, to handle peak ped traffic volumes and provide more ADA friendly options railings should should be included in station design . PROWAG indicates handrails are required on both sides of ramps with a rise greater than 6". Including a recommended height (28" max.) and separation (9" min.) between each rail §405.8, §505.

1. 4" BASE AGGREGATE DENSE 1 1/4-INCH
2. 6" BASE AGGREGATE DENSE 1 1/4-INCH
3. CONCRETE PAVEMENT 12-INCH
4. CONCRETE GUTTER 24-INCH
   (PAVED INTEGRAL TO LANE, SEE DETAIL)
5. CONCRETE SIDEWALK 5-INCH
6. CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
7. REINFORCED CONCRETE PLATFORM
8. DOCKING GUIDE STRIP
9. STATION SHELTER (SEE ARCHITECTURE DETAILS)

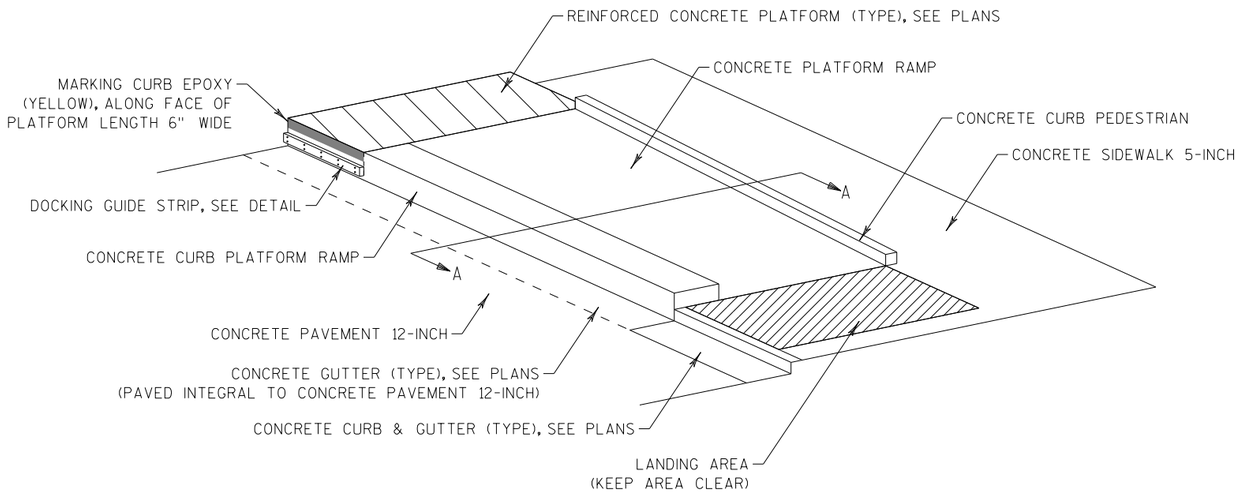


TYPICAL FINISHED HALF SECTION
WALK THROUGH STATION PLATFORM

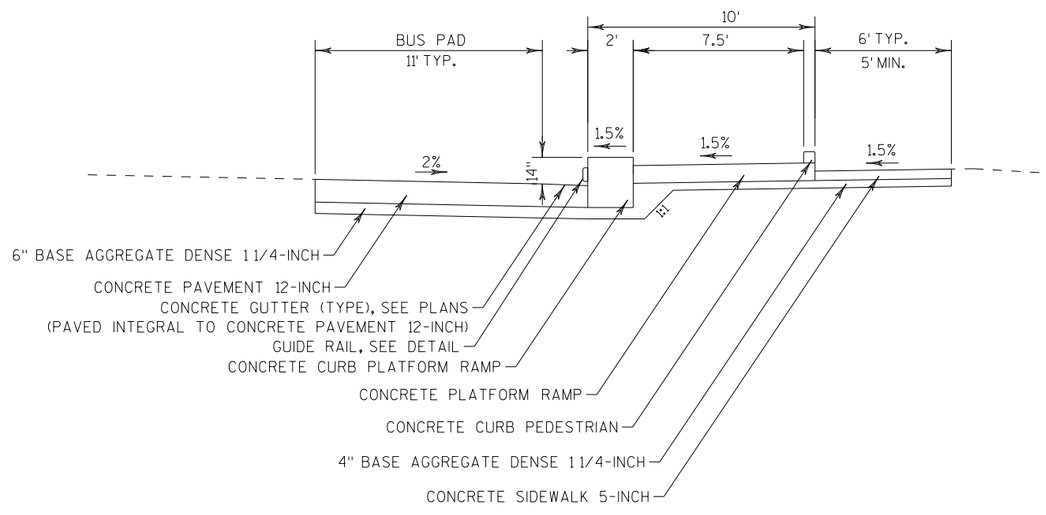


STATION PLATFORM AND RAMP DETAIL

PLAN VIEW



ISOMETRIC VIEW



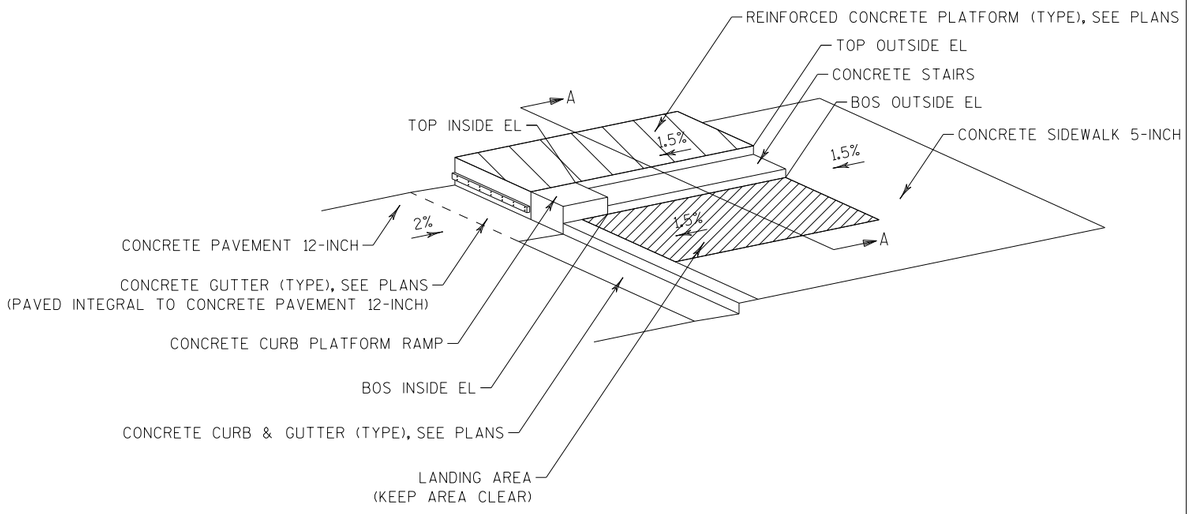
TYPICAL SECTION A-A

PROJECT NO: 60528491	COUNTY: MILWAUKEE	EAST - WEST BRT	CONSTRUCTION DETAILS	SHEET E

PRE_7

STATION LOCATION	NO. OF RISERS	RISER HEIGHT (IN)	TOP INSIDE ELEVATION	BOS INSIDE ELEVATION	TOP OUTSIDE ELEVATION	BOS OUTSIDE ELEVATION
STATION 2: 92ND STREET AT CONNELL AVENUE WB	2	4.68	747.65	746.87	747.80	747.02
STATION 3: 92ND STREET AT CONNELL AVENUE EB	2	4.68	748.76	747.98	748.91	748.13
STATION 6: BLUEMOUND ROAD AT GLENVIEW AVENUE WB	2	4.38	709.27	708.54	709.39	708.66
STATION 13: HAWLEY ROAD AT MICHIGAN STREET SB	2	4.56	700.20	699.44	700.32	699.56
STATION 14: WISCONSIN AVENUE AT 53RD STREET WB	2	5.55	687.36	686.58	687.51	686.44
STATION 15: WISCONSIN AVENUE AT 53RD STREET EB	2	4.83	691.34	690.57	691.44	690.60
STATION 17: WISCONSIN AVENUE AT 45TH STREET EB	2	4.53	666.00	665.25	666.15	665.39
STATION 27: WISCONSIN AVENUE AT 9TH STREET WB	2	5.28	636.14	635.38	636.24	635.24
STATION 28: WISCONSIN AVENUE AT 5TH STREET WB	TBD					
STATION 32: WISCONSIN AVENUE AT JACKSON STREET WB	1	5.40	620.16	619.72	620.09	619.63
STATION 33: WISCONSIN AVENUE AT VAN BUREN STREET EB	2	5.10	616.42	615.65	616.52	615.59

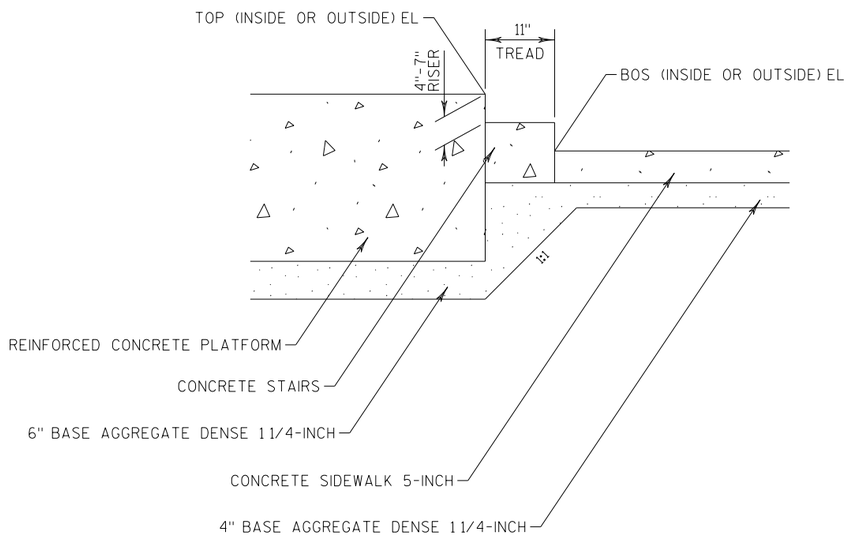
STATION PLATFORM AND STAIR DETAIL



ISOMETRIC VIEW

NOTE:
TYPICAL STAIR WIDTH IS 8'

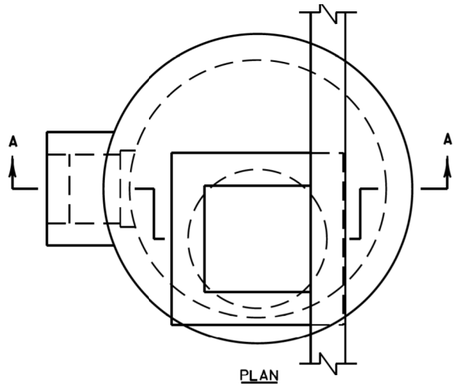
MINIMUM OF 3' BETWEEN STAIRS OR RAMP AND END OF SHELTER



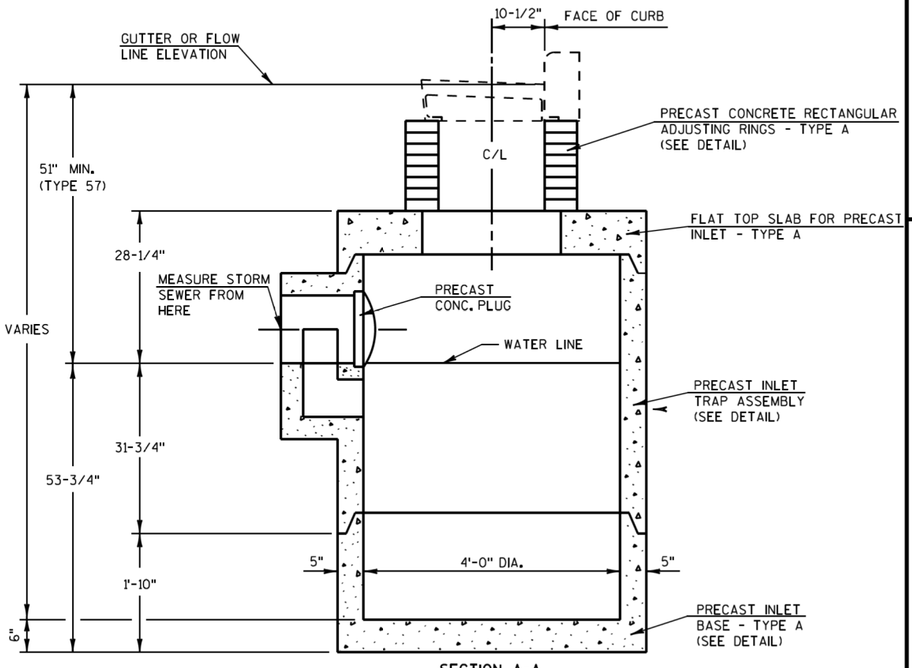
SIDE SECTION A-A

PROJECT NO: 60528491	COUNTY: MILWAUKEE	EAST - WEST BRT	CONSTRUCTION DETAILS	SHEET E

PRE_8



PLAN



SECTION A-A

CATCH BASIN TYPE 44A

GENERAL NOTES

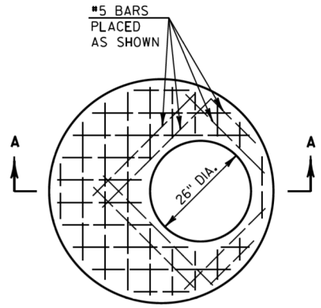
1. REINFORCEMENT FOR 5" PRECAST REINFORCED CONCRETE SHALL BE 6" X 6" W16 X W16 WELDED STEEL WIRE FABRIC AND SHALL BE EMBEDDED 2" CLEAR.

2. PRECAST INLET UNITS AND BASES SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M199.

3. PRECAST REINFORCED BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 4" IN DEPTH WHICH MEETS REQUIREMENTS FOR GRANULAR BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

4. SET FRAME ELEVATION 0.03 FT. LOWER THAN ELEVATION INDICATED ON PLAN.

5. A PRECAST CONCRETE PLUG SHALL BE CEMENTED INTO THE OPENING AT THE INNER FACE OF THE CATCH BASIN TRAP ASSEMBLY.



PLAN

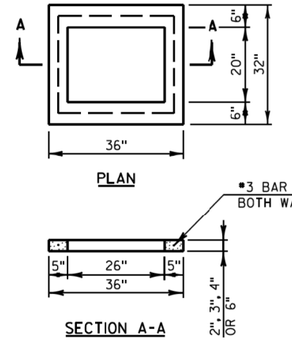
SECTION A-A

FLAT TOP SLAB - TYPE A

FLAT TOP SLAB SHALL BE 8" THICK REINFORCED WITH ONE LAYER OF STEEL WITH A MINIMUM AREA OF 0.12 SQ. IN. PER LINEAL FOOT IN BOTH DIRECTIONS, PLACED IN THE CENTER THIRD OF THE SECTION AS SHOWN.

REINFORCEMENT SHALL BE TIED OR WELDED TOGETHER.

THE MINIMUM COMPRESSIVE STRENGTH OF THE CONCRETE SHALL BE 3300 P.S.I.



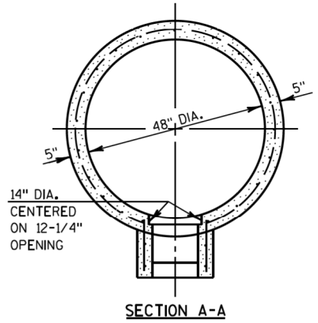
PLAN

SECTION A-A

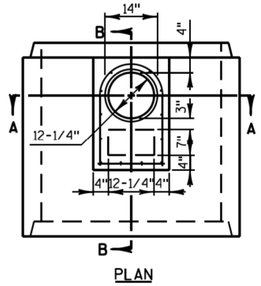
RECTANGULAR ADJUSTING RING - TYPE A

THE ADJUSTING RINGS SHALL BE 2", 3", 4" OR 6" IN HEIGHT.

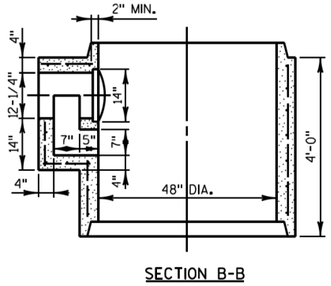
THE MINIMUM COMPRESSIVE STRENGTH OF THE CONCRETE SHALL BE 3300 P.S.I.



SECTION A-A



PLAN



SECTION B-B

TRAP ASSEMBLY

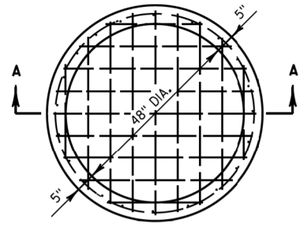
CIRCUMFERENTIAL REINFORCEMENT SHALL CONSIST OF ONE LINE OF STEEL NOT LESS THAN 0.12 SQ. IN. PER LINEAL FOOT, AND SHALL BE PLACED IN THE CENTER THIRD OF THE WALL.

TRAP ASSEMBLY SHALL BE REINFORCED WITH ONE LAYER OF STEEL WITH A MINIMUM AREA OF 0.12 SQ. IN. PER LINEAL FOOT IN BOTH DIRECTIONS, PLACED IN THE CENTER THIRD OF THE SECTION AS SHOWN.

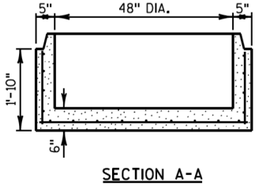
CIRCUMFERENTIAL AND TRAP ASSEMBLY REINFORCEMENT SHALL BE TIED OR WELDED TOGETHER.

THE MINIMUM COMPRESSIVE STRENGTH OF THE CONCRETE SHALL BE 3300 P.S.I.

TWO HANDLING HOLES 2 1/4 INCHES IN DIAMETER SHALL BE CAST OR DRILLED IN THE WALL.



PLAN



SECTION A-A

BASE - TYPE A

CIRCUMFERENTIAL REINFORCEMENT SHALL CONSIST OF ONE LINE OF STEEL NOT LESS THAN 0.12 SQ. IN. PER LINEAL FOOT, AND SHALL BE PLACED IN THE CENTER THIRD OF THE WALL.

BOTTOM SLAB SHALL BE REINFORCED WITH ONE LAYER OF STEEL WITH A MINIMUM AREA OF 0.12 SQ. IN. PER LINEAL FOOT IN BOTH DIRECTIONS, PLACED IN THE CENTER THIRD OF THE SLAB.

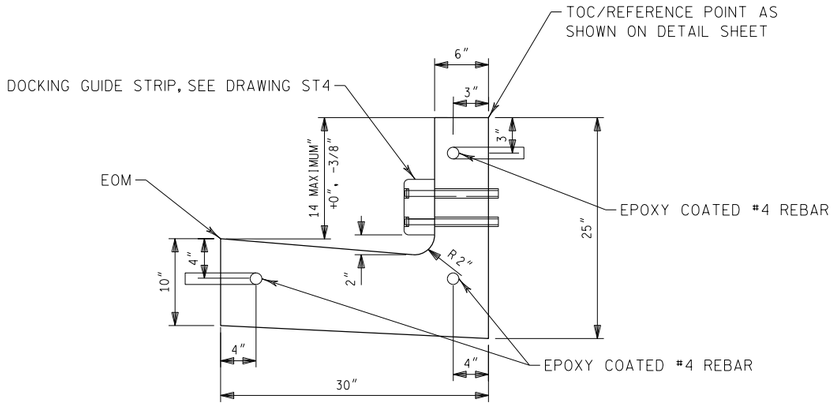
CIRCUMFERENTIAL AND BOTTOM SLAB REINFORCEMENT SHALL BE TIED OR WELDED TOGETHER.

THE MINIMUM COMPRESSIVE STRENGTH OF THE CONCRETE SHALL BE 3300 P.S.I.

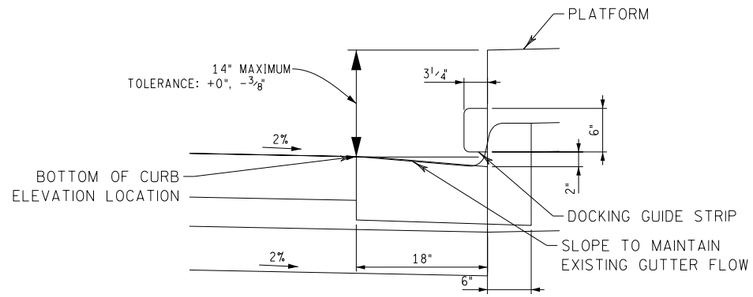
TWO HANDLING HOLES 2 1/4 INCHES IN DIAMETER SHALL BE CAST OR DRILLED IN THE WALL.

CITY OF MILWAUKEE CATCH BASINS

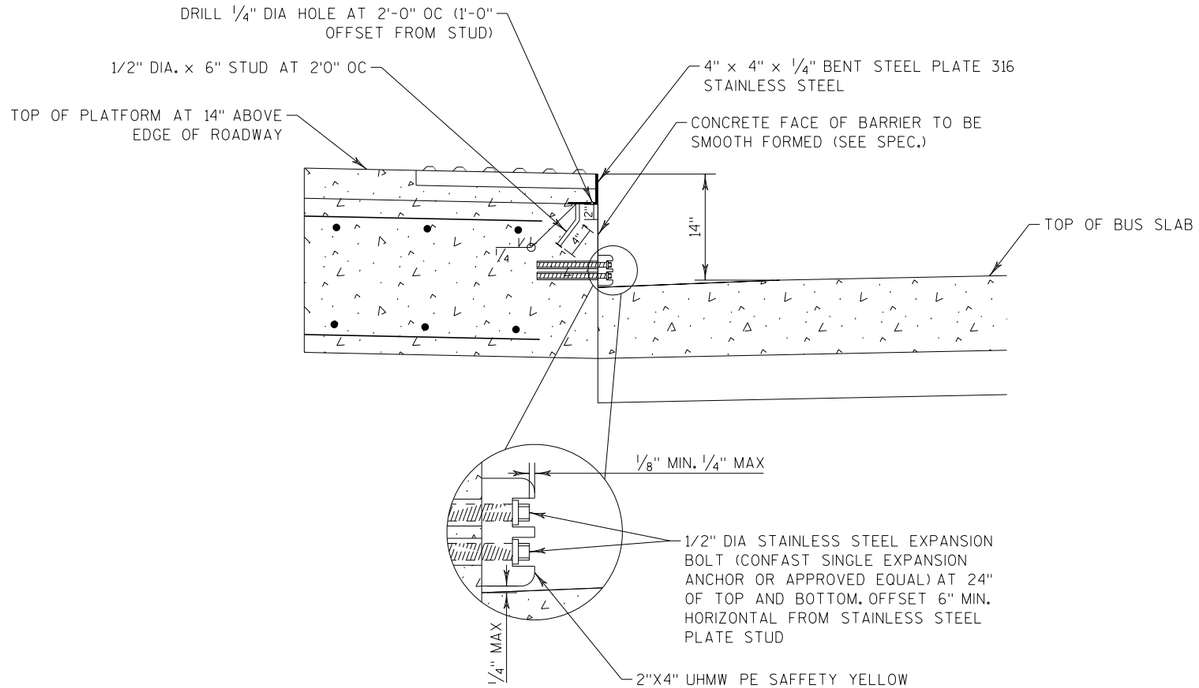
NOT TO SCALE



CONCRETE CURB & GUTTER
MODIFIED (CURB HEIGHT)

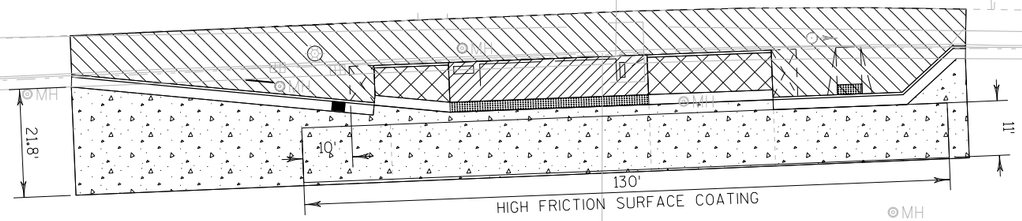


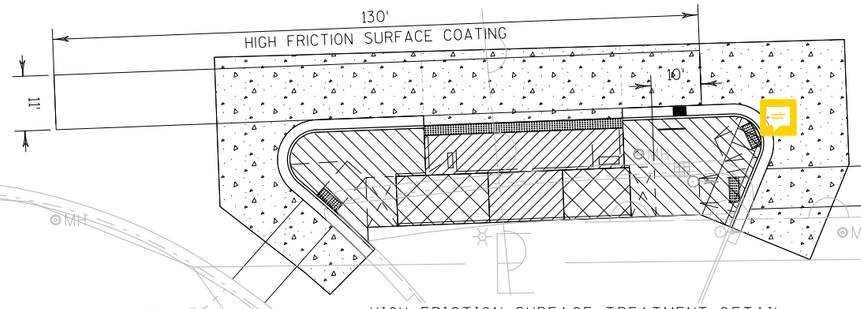
GUTTER DETAIL



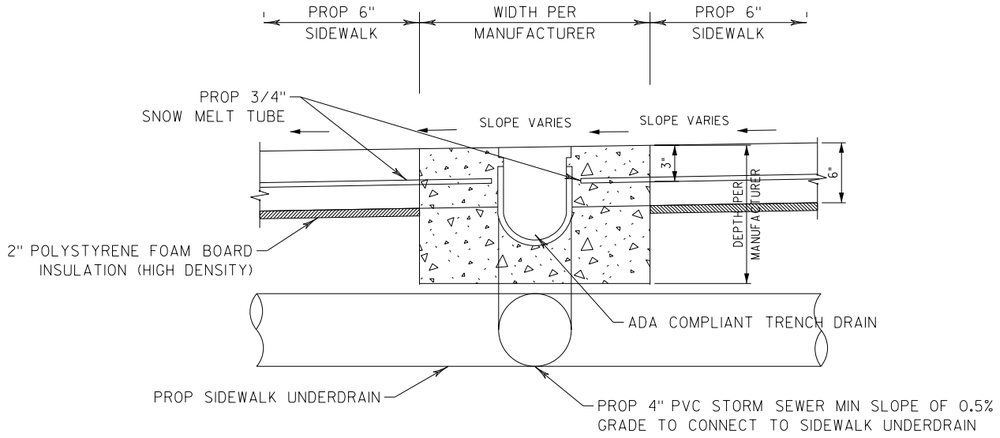
DOCKING GUIDE STRIP DETAIL
(NOT TO SCALE)

N



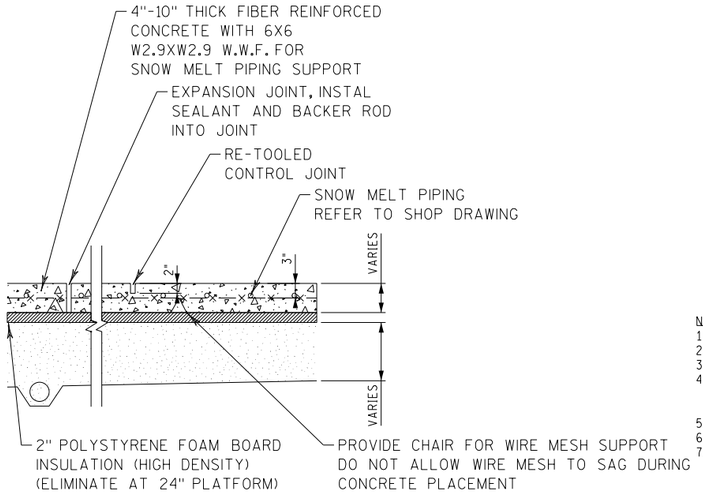


HIGH FRICTION SURFACE TREATMENT DETAIL



SNOW MELT TRENCH DRAIN SECTION

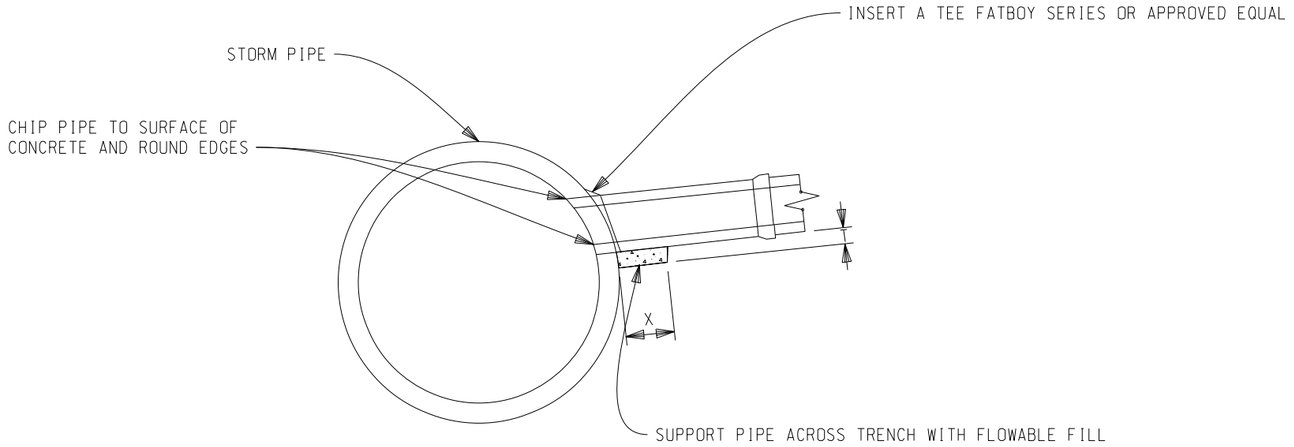
NOTES:
SEE DETAIL SHEETS FOR SIDEWALK SLOPES.
SEE CONSTRUCTION SHEETS FOR SNOW MELT TRENCH DRAIN LOCATIONS.
SEE HYDRONIC SNOW MELT SECTION FOR WIRE MESH DETAILS.



HYDRONIC SNOW MELT SECTION

NO SCALE

NOTES:
1. LOCATE CONTROL JOINTS AS PER LAYOUT PLANS.
2. PROVIDE EXPANSION JOINTS EVERY 100' O.C., UNLESS SHOWN OTHERWISE.
3. PROVIDE SEALANT AND BACKER ROD INTO EXPANSION JOINTS.
4. PROVIDE 3/4" DIA. X 24" SMOOTH STEEL DOWEL @ 12" O.C. THROUGH JOINTS AT ALL PAVING JOINTS. WRAP OR TWIST FREE BAR BEFORE FINAL SLAB PLACEMENT.
5. CONFIRM SNOWMELT PIPING AND DIAMETER WITH SNOW MELT INSTALLER.
6. CONTROL JOINTS SHALL BE TOOLED IN (NOT SAW-CUT).
7. PROVIDE SLEEVES FOR SNOW MELT TUBING AT ALL EXPANSION JOINTS.



X	T
2' MIN	6" MIN

NOTES:
1. THE FLOWABLE FILL SUPPORTING THE CONNECTING PIPE MAY BE OMITTED IF THE PIPE IS LAID ON UNDISTURBED EARTH TO STORM DRAIN WALL.

2. THE MINIMUM OPENING INTO THE STORM DRAIN SHALL BE THE OUTSIDE DIAMETER OF THE CONNECTING PIPE PLUS ONE (1) INCH.

CONNECTION TO PIPE WITHOUT STRUCTURE DETAIL

FILE NAME : \\aecompw05ics01\iCS_pdf_work_dir\9729\221962_89\021006_cd.dgn PLOT DATE : 8/2/2019 PLOT BY : aecompw05ics01$ PLOT NAME : PLOT SCALE : 20.00 sf / in.
WISDOT/CADDS SHEET 42

℄ 95TH STREET

BLUE MOUND ROAD

℄ BLUE MOUND ROAD

104NF+00

104B+00

105B+00

CURB RAMP DETECTABLE
WARNING FIELD YELLOW 2'X5'

CURB RAMP TYPE 3

+XX.X'B'. XX.X' RT
ELEVATION=XXX.XX

+XX.X'NF'. XX.X' RT
ELEVATION=XXX.XX

EXIST ROW

CURB RAMP TYPE 3

BLUE MOUND ROAD AT 95TH STREET EB

103NF+00

95TH STREET

EXIST ROW

ROBERTSON STREET

EXIST ROW

BLUE MOUND ROAD AT GLENVIEW AVE WB

+XX.X'B'. XX.X' LT
ELEVATION=XXX.XX

CURB RAMP DETECTABLE
WARNING FIELD YELLOW 2'X5'

CURB RAMP TYPE 2

CURB RAMP DETECTABLE
WARNING FIELD YELLOW 2'X5'

EXIST ROW

℄ BLUE MOUND ROAD

141B+00

142B+00

Elevation details to be added post-90%

BLUE MOUND ROAD

EXIST ROW

PROJECT NO:60528491	COUNTY:MILWAUKEE	EAST - WEST BRT	CURB RAMP DETAIL SHEETS	SHEET E

PRE_13

FILE NAME : \\aecompw05ics01\iCS_pdf_work_dir\9678\221962_323\021101_curb_ramp_details.dgn PLOT DATE : 7/31/2019 PLOT BY : aecompw05ics01$ PLOT NAME : PLOT SCALE : 20.00 sf / in.

Elevation details to be added post-90%

HAWLEY ROAD AT MICHIGAN STREET SB

CURB RAMP DETECTABLE WARNING FIELD YELLOW 2'X5'

CURB RAMP TYPE 2

+XX.X'H'. XX.X' LT ELEVATION=XXX.XX

108H+00

HAWLEY ROAD AT MICHIGAN STREET NB

109H+00

℄ HAWLEY ROAD

HAWLEY ROAD

+XX.X'H'. XX.X' RT ELEVATION=XXX.XX

EXIST ROW

MICHIGAN STREET

WISCONSIN AVENUE AT 53RD STREET EB

+XX.X'WB'. XX.X' LT ELEVATION=XXX.XX

CURB RAMP TYPE 2

CURB RAMP DETECTABLE WARNING FIELD YELLOW 2'X5'

113WB

114WB

℄ WISCONSIN AVENUE

WISCONSIN AVENUE

+XX.X'WB'. XX.X' RT ELEVATION=XXX.XX

WISCONSIN AVENUE AT 53RD STREET EB

53RD STREET

PRE_14

PROJECT NO:60528491	COUNTY:MILWAUKEE	EAST - WEST BRT	CURB RAMP DETAIL SHEETS

N

WISCONSIN AVENUE AT 45TH STREET EB

EXIST ROW

WISCONSIN AVENUE

CURB RAMP TYPE 3

+XX.X'WB', XX.X'LT
ELEVATION=XXX.XX

+XX.X'WB', XX.X'LT
ELEVATION=XXX.XX

+XX.X'WB', XX.X'LT
ELEVATION=XXX.XX

+XX.X'WB', XX.X'LT
ELEVATION=XXX.XX

+XX.X'WB', XX.X'LT
ELEVATION=XXX.XX

+XX.X'WB', XX.X'LT
ELEVATION=XXX.XX

+XX.X'WB', XX.X'LT
ELEVATION=XXX.XX

+XX.X'WB', XX.X'LT
ELEVATION=XXX.XX

CURB RAMP DETECTABLE
WARNING FIELD YELLOW 2'X5'

140WB

141WB

142WB

143WB

℄ WISCONSIN AVENUE

+XX.X'WB', XX.X'RT
ELEVATION=XXX.XX

+XX.X'WB', XX.X'RT
ELEVATION=XXX.XX

+XX.X'WB', XX.X'RT
ELEVATION=XXX.XX

CURB RAMP DETECTABLE
WARNING FIELD YELLOW 2'X5'

+XX.X'WB', XX.X'RT
ELEVATION=XXX.XX

+XX.X'WB', XX.X'RT
ELEVATION=XXX.XX

+XX.X'WB', XX.X'RT
ELEVATION=XXX.XX

+XX.X'WB', XX.X'RT
ELEVATION=XXX.XX

+XX.X'WB', XX.X'RT
ELEVATION=XXX.XX

+XX.X'WB', XX.X'RT
ELEVATION=XXX.XX

+XX.X'WB', XX.X'RT
ELEVATION=XXX.XX

+XX.X'WB', XX.X'RT
ELEVATION=XXX.XX

CURB RAMP TYPE 2

CURB RAMP TYPE 3

CURB RAMP DETECTABLE
WARNING FIELD YELLOW 2'X5'

+XX.X'WB', XX.X'RT
ELEVATION=XXX.XX

+XX.X'WB', XX.X'RT
ELEVATION=XXX.XX

+XX.X'WB', XX.X'RT
ELEVATION=XXX.XX

+XX.X'WB', XX.X'RT
ELEVATION=XXX.XX

+XX.X'WB', XX.X'RT
ELEVATION=XXX.XX

+XX.X'WB', XX.X'RT
ELEVATION=XXX.XX

+XX.X'WB', XX.X'RT
ELEVATION=XXX.XX

+XX.X'WB', XX.X'RT
ELEVATION=XXX.XX

+XX.X'WB', XX.X'RT
ELEVATION=XXX.XX

+XX.X'WB', XX.X'RT
ELEVATION=XXX.XX

+XX.X'WB', XX.X'RT
ELEVATION=XXX.XX

+XX.X'WB', XX.X'RT
ELEVATION=XXX.XX

Elevation details to be added post-90%

45TH STREET

EXIST ROW

EXIST ROW

WISCONSIN AVENUE AT 45TH STREET EB

PROJECT NO:60528491	COUNTY:MILWAUKEE	EAST - WEST BRT	CURB RAMP DETAIL SHEETS	SHEET E

PRE_15

EXIST ROW

35TH STREET

EXIST ROW

EXIST ROW

N

WISCONSIN AVENUE

173WB

℄ WISCONSIN AVENUE

CURB RAMP DETECTABLE
WARNING FIELD YELLOW 2'X5'

CURB RAMP TYPE 2

+XX.X'WB'. XX.X' RT
ELEVATION=XXX.XX

+XX.X'WB'. XX.X' RT
ELEVATION=XXX.XX

+XX.X'WB'. XX.X' RT
ELEVATION=XXX.XX

+XX.X'WB'. XX.X' RT
ELEVATION=XXX.XX

+XX.X'WB'. XX.X' RT
ELEVATION=XXX.XX

+XX.X'WB'. XX.X' RT
ELEVATION=XXX.XX

+XX.X'WB'. XX.X' RT
ELEVATION=XXX.XX

+XX.X'WB'. XX.X' RT
ELEVATION=XXX.XX

+XX.X'WB'. XX.X' RT
ELEVATION=XXX.XX

+XX.X'WB'. XX.X' RT
ELEVATION=XXX.XX

+XX.X'WB'. XX.X' RT
ELEVATION=XXX.XX

+XX.X'WB'. XX.X' RT
ELEVATION=XXX.XX

+XX.X'WB'. XX.X' RT
ELEVATION=XXX.XX

+XX.X'WB'. XX.X' RT
ELEVATION=XXX.XX

CURB RAMP DETECTABLE
WARNING FIELD YELLOW 2'X5'

CURB RAMP TYPE 7A

EXIST ROW

EXIST ROW

EXIST ROW

EXIST ROW

EXIST ROW

EXIST ROW

WISCONSIN STREET AT 35TH STREET EB

WISCONSIN AVENUE
AT 27TH STREET WB

EXIST ROW

+XX.X'WB'. XX.X' LT
ELEVATION=XXX.XX

+XX.X'WB'. XX.X' LT
ELEVATION=XXX.XX

+XX.X'WB'. XX.X' LT
ELEVATION=XXX.XX

+XX.X'WB'. XX.X' LT
ELEVATION=XXX.XX

+XX.X'WB'. XX.X' LT
ELEVATION=XXX.XX

+XX.X'WB'. XX.X' LT
ELEVATION=XXX.XX

+XX.X'WB'. XX.X' LT
ELEVATION=XXX.XX

CURB RAMP DETECTABLE
WARNING FIELD YELLOW 2'X5'

CURB RAMP TYPE 1

EXIST ROW

EXIST ROW

EXIST ROW

199WB

200WB

℄ WISCONSIN AVENUE

WISCONSIN AVENUE

Elevation details to be added post-90%

+XX.X'WB'. XX.X' RT
ELEVATION=XXX.XX

+XX.X'WB'. XX.X' RT
ELEVATION=XXX.XX

+XX.X'WB'. XX.X' RT
ELEVATION=XXX.XX

+XX.X'WB'. XX.X' RT
ELEVATION=XXX.XX

+XX.X'WB'. XX.X' RT
ELEVATION=XXX.XX

+XX.X'WB'. XX.X' RT
ELEVATION=XXX.XX

+XX.X'WB'. XX.X' RT
ELEVATION=XXX.XX

+XX.X'WB'. XX.X' RT
ELEVATION=XXX.XX

+XX.X'WB'. XX.X' RT
ELEVATION=XXX.XX

+XX.X'WB'. XX.X' RT
ELEVATION=XXX.XX

CURB RAMP TYPE 1

CURB RAMP DETECTABLE
WARNING FIELD YELLOW 2'X5'

EXIST ROW

EXIST ROW

EXIST ROW

27TH STREET

WISCONSIN AVENUE AT 27TH STREET EB

PROJECT NO:60528491	COUNTY:MILWAUKEE	EAST - WEST BRT	CURB RAMP DETAIL SHEETS	SHEET E

PRE_16

N

EXIST ROW

POST

16TH STREET

WISCONSIN AVENUE AT 16TH STREET WB

+XX.X'WB'. XX.X'LT
ELEVATION=XXX.XX

CURB RAMP TYPE 2

CURB RAMP DETECTABLE
WARNING FIELD YELLOW 2'X5'

WISCONSIN AVENUE

239WB

℄ WISCONSIN AVENUE

CURB RAMP TYPE 1A

WISCONSIN AVENUE AT 16TH STREET EB

+XX.X'WB'. XX.X'RT
ELEVATION=XXX.XX

WISCONSIN AVENUE AT 15TH STREET WB BUMPOUTS

CURB RAMP TYPE 3

243WB

WISCONSIN AVENUE AT 15TH STREET EB BUMPOUTS

Elevation details to be added post-90%

EXIST ROW

EXIST ROW

N

WISCONSIN AVENUE AT 14TH STREET WB BUMPOUTS

+XX.X'WB'. XX.X'LT
ELEVATION=XXX.XX

+XX.X'WB'. XX.X'LT
ELEVATION=XXX.XX

EXIST ROW

CURB RAMP TYPE 3

+XX.X'WB'. XX.X'LT
ELEVATION=XXX.XX

+XX.X'WB'. XX.X'LT
ELEVATION=XXX.XX

+XX.X'WB'. XX.X'LT
ELEVATION=XXX.XX

+XX.X'WB'. XX.X'LT
ELEVATION=XXX.XX

+XX.X'WB'. XX.X'LT
ELEVATION=XXX.XX

+XX.X'WB'. XX.X'LT
ELEVATION=XXX.XX

WISCONSIN AVENUE

CURB RAMP DETECTABLE
WARNING FIELD YELLOW 2'X5'

246WB

247WB

℄ WISCONSIN AVENUE

CURB RAMP DETECTABLE
WARNING FIELD YELLOW 2'X5'

+XX.X'WB'. XX.X'RT
ELEVATION=XXX.XX

+XX.X'WB'. XX.X'RT
ELEVATION=XXX.XX

+XX.X'WB'. XX.X'RT
ELEVATION=XXX.XX

+XX.X'WB'. XX.X'RT
ELEVATION=XXX.XX

+XX.X'WB'. XX.X'RT
ELEVATION=XXX.XX

+XX.X'WB'. XX.X'RT
ELEVATION=XXX.XX

CURB RAMP TYPE 3

EXIST ROW

+XX.X'WB'. XX.X'RT
ELEVATION=XXX.XX

+XX.X'WB'. XX.X'RT
ELEVATION=XXX.XX

WISCONSIN AVENUE AT 14TH STREET EB BUMPOUTS

EXIST ROW

EXIST ROW

STATION 24: WISCONSIN AVENUE AT 12TH STREET WB

EXIST ROW

12TH STREET

N

CURB RAMP TYPE 2

+XX.X'WB'. XX.X'LT
ELEVATION=XXX.XX

+XX.X'WB'. XX.X'LT
ELEVATION=XXX.XX

+XX.X'WB'. XX.X'LT
ELEVATION=XXX.XX

+XX.X'WB'. XX.X'LT
ELEVATION=XXX.XX

+XX.X'WB'. XX.X'LT
ELEVATION=XXX.XX

EXIST ROW

+XX.X'WB'. XX.X'LT
ELEVATION=XXX.XX

+XX.X'WB'. XX.X'LT
ELEVATION=XXX.XX

+XX.X'WB'. XX.X'LT
ELEVATION=XXX.XX

+XX.X'WB'. XX.X'LT
ELEVATION=XXX.XX

+XX.X'WB'. XX.X'LT
ELEVATION=XXX.XX

+XX.X'WB'. XX.X'LT
ELEVATION=XXX.XX

+XX.X'WB'. XX.X'LT
ELEVATION=XXX.XX

+XX.X'WB'. XX.X'LT
ELEVATION=XXX.XX

+XX.X'WB'. XX.X'LT
ELEVATION=XXX.XX

+XX.X'WB'. XX.X'LT
ELEVATION=XXX.XX

CURB RAMP DETECTABLE
WARNING FIELD YELLOW 2'X5'

CURB RAMP TYPE 2

CURB RAMP DETECTABLE
WARNING FIELD YELLOW 2'X5'

EXIST ROW

WISCONSIN AVENUE

254WB

℄ WISCONSIN AVENUE

EXIST ROW

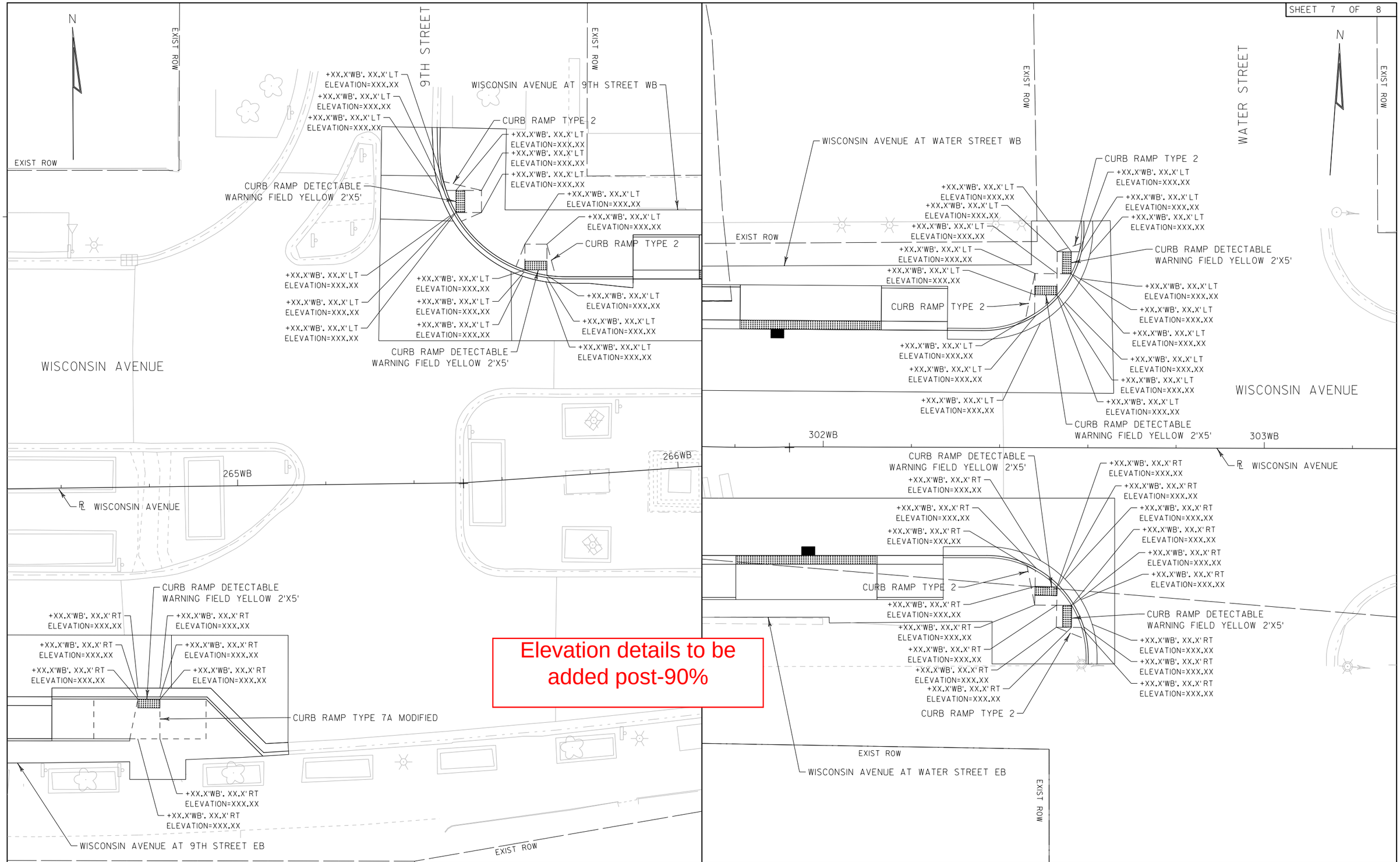
EXIST ROW

EXIST ROW

Elevation details to be added post-90%

PROJECT NO: 60528491	COUNTY: MILWAUKEE	EAST - WEST BRT	CURB RAMP DETAIL SHEETS	SHEET E

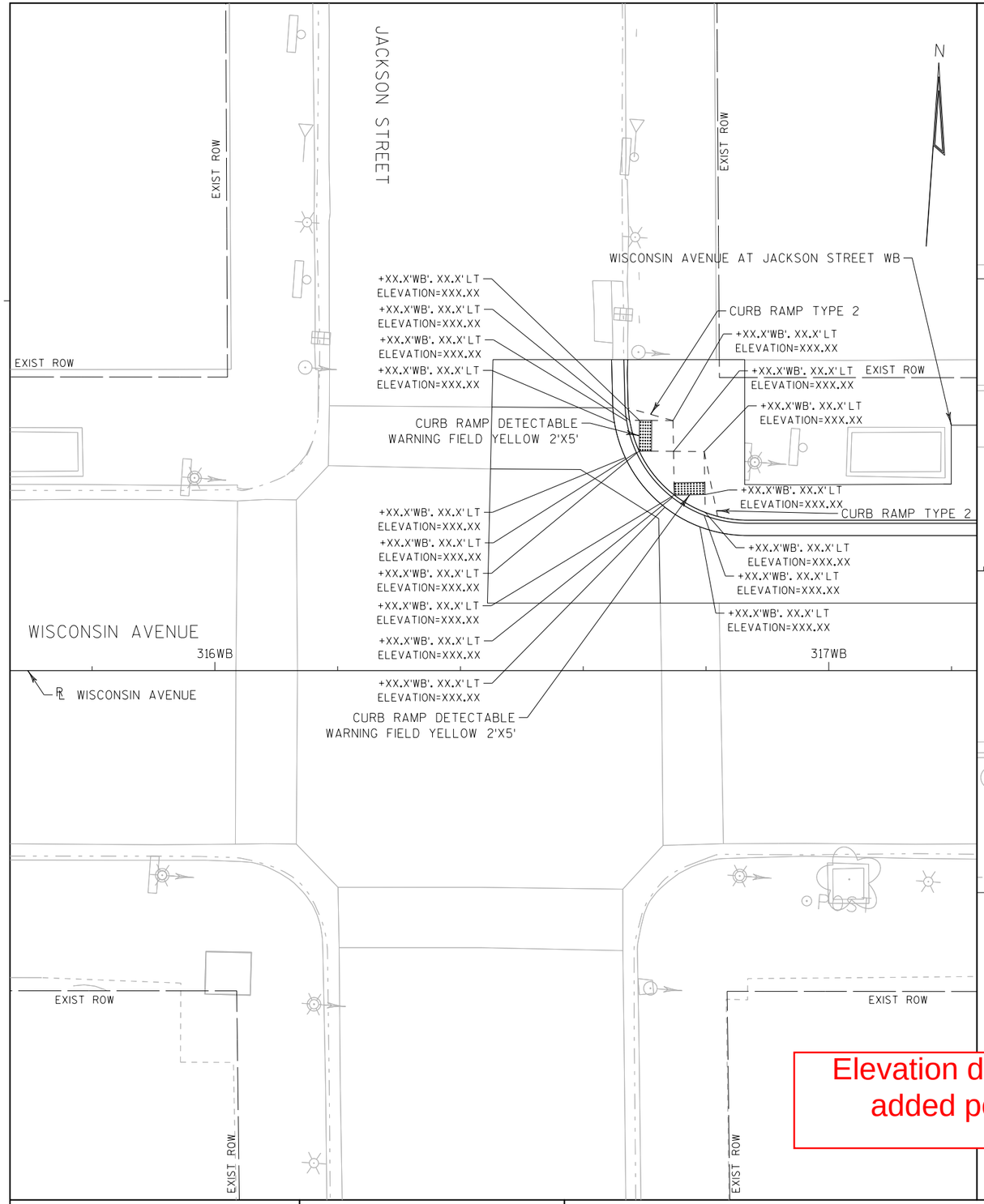
PRE_18

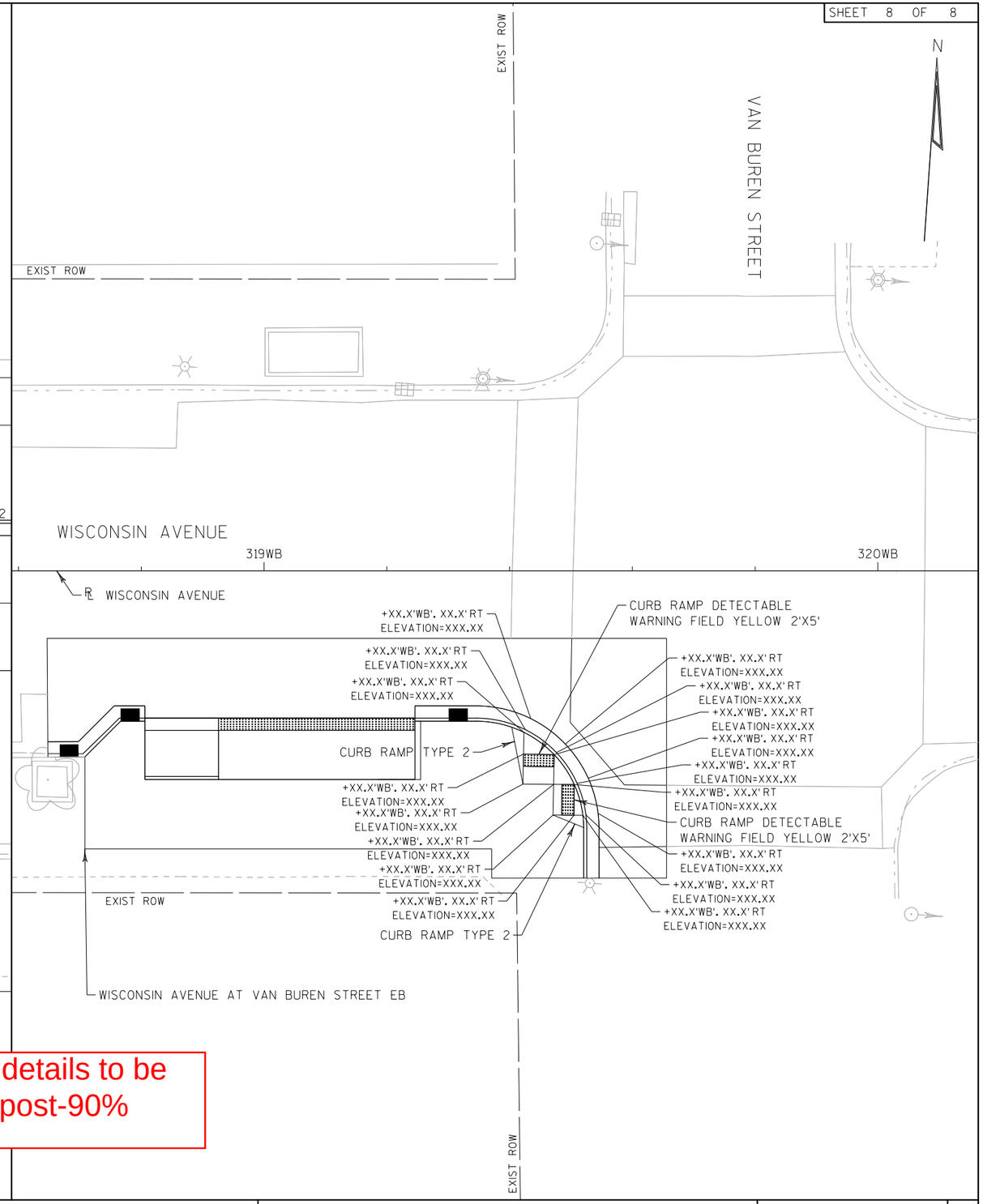


Elevation details to be added post-90%

PROJECT NO:60528491	COUNTY:MILWAUKEE	EAST - WEST BRT	CURB RAMP DETAIL SHEETS	SHEET E

PRE_19





Elevation details to be added post-90%

PROJECT NO:60528491	COUNTY:MILWAUKEE	EAST - WEST BRT	CURB RAMP DETAIL SHEETS	SHEET E

PRE_20

N

℄ PARK & RIDE

101PR+00

INLET PROTECTION, TYPE C

REMOVING SIDEWALK AND CURB & GUTTER (WITHIN LIMITS SHOWN)

+89.53
11.00RT

MATCH EXISTING

INLET PROTECTION, TYPE C

+84.53
13.58RT

+12.54
11.00RT

MATCH EXISTING

+66.19
13.58RT

+89.53
13.58RT

+66.20
18.58RT

+84.55
18.58RT

+12.53
13.58RT

+17.63
18.58RT

+17.63
23.00RT

+44.63
23.00RT

+52.63
18.58RT

+52.63
31.00RT

+44.63
31.00RT

REMOVE BUS SHELTER

INLET PROTECTION, TYPE C

LEGEND

- REMOVING PAVEMENT
- REMOVING CURB
- REMOVING CURB & GUTTER
- REMOVING CONCRETE SIDEWALK
- XXXXX SAWING PAVEMENT
- × REMOVING TREE (PAID FOR AS CLEARING AND GRUBBING)
- INLET PROTECTION, TYPE B (UNLESS OTHERWISE NOTED)
- REMOVING LIGHT POLE AND BASE
- REMOVING SIGNAL
- HB REMOVING PUSH BUTTON
- REMOVING PULL BOX
- REMOVING CONDUIT
- REMOVING STORM SEWER PIPE

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 1: WATERTOWN PLANK PARK AND RIDE	REMOVAL SHEETS	SHEET E

FILE NAME : \\aecompw05ics01\iCS_pdf_work_dir\9681\221962_130\021201_ParkNRide_1rm.dgn PLOT DATE : 7/31/2019 PLOT BY : aecompw05ics01$ PLOT NAME : PLOT SCALE : 20.00 sf / in.

WISDOT/CADDS SHEET 42

N

101PR+00 — ℄ PARK & RIDE

CONCRETE GUTTER 24-INCH WITH DRILLED TIE BARS

+12.54
11.00RT

+84.53
13.58RT

MATCH EXISTING

CPR

CP

2'x52'

CPR

ADJUSTING INLET COVERS

MATCH EXISTING

+89.53
13.00RT

+84.55
18.58RT

+70.27
18.58RT

+02.70
23.00RT

+44.63
23.00RT

+70.43
39.60RT

25'

52'

CP

10'

+89.55
30.50RT

+02.70
39.59RT

+44.63
30.50RT

SS

LEGEND

	REINFORCED CONCRETE PLATFORM	CD	CONCRETE DRIVEWAY 6-INCH
	CONCRETE PLATFORM RAMP	AP	ASPHALTIC SURFACE
	CONCRETE PAVEMENT 12-INCH	G-24	CONCRETE GUTTER 24-INCH (PAVED INTEGRAL TO LANE, SEE DETAIL)
	CONCRETE SIDEWALK 5-INCH	G-18	CONCRETE GUTTER 18-INCH (PAVED INTEGRAL TO LANE, SEE DETAIL)
	SOD LAWN	CG-18A	CONCRETE CURB AND GUTTER 18-INCH TYPE A
	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA	CG-30A	CONCRETE CURB AND GUTTER 30-INCH TYPE A
	LANDING AREA	CG-30D	CONCRETE CURB AND GUTTER 30-INCH TYPE D
	CONCRETE PAVEMENT 12-INCH, COLORED AND STAMPED	CGI-30D	CONCRETE CURB AND GUTTER INTEGRAL 30-INCH TYPE D

CG-24D	CONCRETE CURB AND GUTTER 24-INCH TYPE D
CP	CONCRETE CURB PEDESTRIAN
CPR	CONCRETE CURB PLATFORM RAMP (SEE DETAIL)
CS	CONCRETE STEPS
BR	BICYCLE RACK CONCRETE-MOUNTED
CR-1A	CURB RAMP TYPE 1A
CR-2	CURB RAMP TYPE 2
CR-3	CURB RAMP TYPE 3
CR-7A	CURB RAMP TYPE 7A

No railings included for back side of ramp or pad. Also no ped improvements made to connect BRT stop to Swan Blvd sidewalk (to the east). There is no wall/ barrier on the east side of the Park and Ride on Google Earth.

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 1: WATERTOWN PLANK PARK AND RIDE	SITE PLANS	SHEET E

PRE_22

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\AECOM\Sheets\021201_ParkNRide_2sp.dgn PLOT DATE : 7/31/2019 PLOT BY : mrozz PLOT NAME : PLOT SCALE : 20.00 sf / in.

N

℄ PARK & RIDE

101PR+00

+27.53
13.00RT
740.37
TOP

+27.52
11.00RT
739.20
FL

+79.52
13.00RT
739.67
TOP

+12.53
13.58RT
739.74
BOR

+12.54
11.00RT
739.37
FL

FLOW

+79.53
11.00RT
738.64
FL

+89.53
13.00RT
739.82
TOP

+12.57
22.50RT
739.47
BOR

4.2%

1.5%

1.5%

+70.27
18.58RT
740.13
BOW

+70.43
39.60RT
739.28
BOW

+27.54
23.00RT
740.52
TOP

4.1%

35'

15'

52'

10'

+79.53
23.00RT
739.82
TOP

+89.55
30.50RT
740.08
TOP

+02.70
39.59RT
738.63
BOW

+44.63
30.50RT
738.48
BOR

+79.59
30.50RT
739.93
TOP

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 1: WATERTOWN PLANK PARK AND RIDE	GRADING PLANS	SHEET E

PRE_23

N

+85.55
29.80LT

+85.55
23.84LT

+85.55
10.50LT

+97.49
27.58LT

+97.49
10.50LT

116NS+00

117NS+00

118NS+00

℄ 92ND STREET

92ND STREET

+78.67
10.50RT

+78.67
21.73RT

+60.53
10.50RT

+60.53
21.75RT

+71.72
28.81RT

+71.66
33.96RT

+60.53
28.88RT

+60.53
33.99RT

REMOVING LIGHT POLE

MH

LEGEND

- REMOVING PAVEMENT
- REMOVING CURB
- REMOVING CURB & GUTTER
- REMOVING CONCRETE SIDEWALK
- XXXXX SAWING PAVEMENT
- REMOVING TREE (PAID FOR AS CLEARING AND GRUBBING)
- INLET PROTECTION, TYPE B (UNLESS OTHERWISE NOTED)
- REMOVING LIGHT POLE AND BASE
- REMOVING SIGNAL
- REMOVING PUSH BUTTON
- REMOVING PULL BOX
- REMOVING CONDUIT
- REMOVING STORM SEWER PIPE

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 2 & 3: 92ND STREET AT CONNELL AVENUE SB & NB	REMOVAL SHEETS	SHEET E

PRE_24

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\AECOM\Sheets\021202_92ND_SB NB_1rm.dgrPLOT DATE : 7/31/2019 PLOT BY : mrozz PLOT NAME : PLOT SCALE : 20.00 sf / in.

LEGEND

	REINFORCED CONCRETE PLATFORM	CD	CONCRETE DRIVEWAY 6-INCH
	CONCRETE PLATFORM RAMP	AP	ASPHALTIC SURFACE
	CONCRETE PAVEMENT 12-INCH	G-24	CONCRETE GUTTER 24-INCH (PAVED INTEGRAL TO LANE, SEE DETAIL)
	CONCRETE SIDEWALK 5-INCH	G-18	CONCRETE GUTTER 18-INCH (PAVED INTEGRAL TO LANE, SEE DETAIL)
	SOD LAWN	CG-18A	CONCRETE CURB AND GUTTER 18-INCH TYPE A
	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA	CG-30A	CONCRETE CURB AND GUTTER 30-INCH TYPE A
	LANDING AREA	CG-30D	CONCRETE CURB AND GUTTER 30-INCH TYPE D
	CONCRETE PAVEMENT 12-INCH, COLORED AND STAMPED	CGI-30D	CONCRETE CURB AND GUTTER INTEGRAL 30-INCH TYPE D
		CG-24D	CONCRETE CURB AND GUTTER 24-INCH TYPE D
		CP	CONCRETE CURB PEDESTRIAN
		CPR	CONCRETE CURB PLATFORM RAMP (SEE DETAIL)
		CS	CONCRETE STEPS
		BR	BICYCLE RACK CONCRETE-MOUNTED
		CR-1A	CURB RAMP TYPE 1A
		CR-2	CURB RAMP TYPE 2
		CR-3	CURB RAMP TYPE 3
		CR-7A	CURB RAMP TYPE 7A

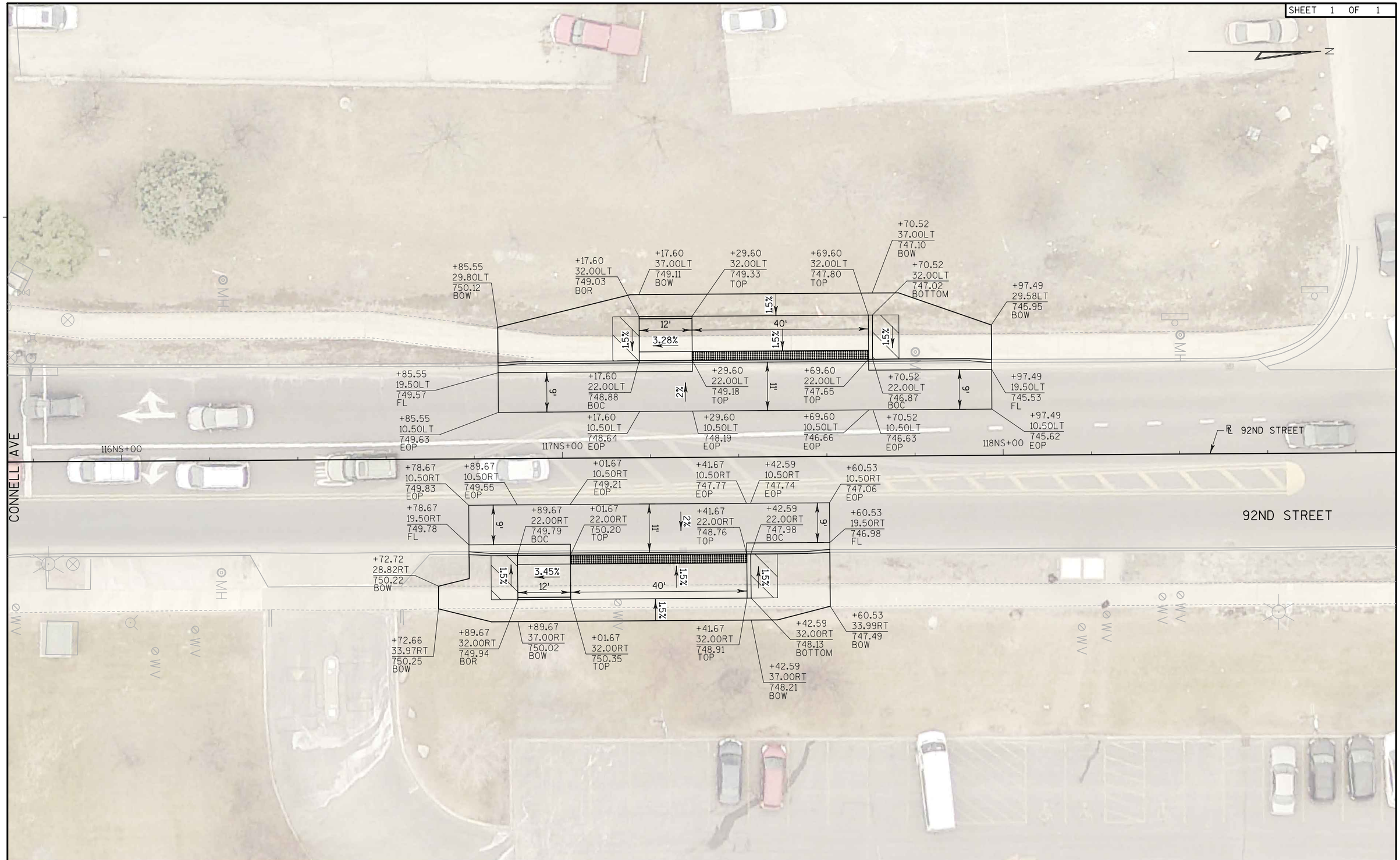
N

+15.60
37.00LT
CP
CS
+76.52
37.00LT
+85.55
29.80LT
+97.49
29.58LT
TAPER CURB HEAD TO MATCH
EXISTING OVER 5 FT
+85.55
19.50LT
+97.49
19.50LT
TAPER CURB HEAD TO MATCH
EXISTING OVER 5 FT
CG-30A
+29.60
19.50LT
G-24
2' x 40'
+69.60
19.50LT
CG-30A
+85.55
10.50LT
CPR
+97.49
10.50LT
116NS+00
117NS+00
118NS+00
℄ 92ND STREET
CONNELL AVE
92ND STREET
CG-30A
+78.67
10.50RT
CG-30A
CPR
+01.67
19.50RT
2' x 40'
G-24
+41.67
19.50RT
+60.53
10.50RT
TAPER CURB HEAD TO MATCH
EXISTING OVER 5 FT
+78.67
19.50RT
+60.53
19.50RT
+71.72
28.82RT
+78.67
27.15RT
TAPER CURB HEAD TO MATCH
EXISTING OVER 5 FT
+71.64
33.96RT
+83.67
37.00RT
CP
CS
+48.59
37.00RT
+60.53
33.99RT
MH
AW

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 2 & 3: 92ND STREET AT CONNELL AVENUE SB & NB	SITE PLANS	SHEET E

PRE_25

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\AECOM\Sheets\021202_92ND_SB NB_2sp.dgrPLOT DATE : 7/31/2019 PLOT BY : mrozz PLOT NAME : PLOT SCALE : 20.00 sf / in.



PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 2 & 3: 92ND STREET AT CONNELL AVENUE SB & NB	GRADING PLANS	SHEET E

PRE_26

N

95TH STREET

+00

107NF+00

℄ 95TH STREET

108NF+00

109NF+00

+99.26
23.99RT

+99.26
39.28RT

+92.19
24.00RT

+87.53
53.76RT

+95.58
54.10RT

INLET PROTECTION, TYPE C

REMOVING SIGNS TYPE II

REMOVING SIGNS TYPE II

REMOVE SIDEWALK, CURB & GUTTER, AND PAVEMENT (WITHIN LIMITS SHOWN)

EXIST ROW

LEGEND

- REMOVING PAVEMENT
- REMOVING CURB
- REMOVING CURB & GUTTER
- REMOVING CONCRETE SIDEWALK
- XXXXX SAWING PAVEMENT
- × REMOVING TREE (PAID FOR AS CLEARING AND GRUBBING)
- INLET PROTECTION, TYPE B (UNLESS OTHERWISE NOTED)
- REMOVING LIGHT POLE AND BASE
- REMOVING SIGNAL
- REMOVING PUSH BUTTON
- REMOVING PULL BOX
- REMOVING CONDUIT
- REMOVING STORM SEWER PIPE

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 4: 95TH STREET AT BLUE MOUND ROAD NB	REMOVAL SHEETS	SHEET E

PRE_27

N

95TH STREET

℄ 95TH STREET

+00

107NF+00

108NF+00

109NF+00

CG-30A
+99.26
24.00RT

TAPER CURB HEAD TO MATCH EXISTING OVER 5 FT

CPR

CP

2' x 52'

G-24

CG-30A
+92.19
24.00RT

TAPER CURB HEAD TO MATCH EXISTING OVER 5 FT

+99.26
39.28RT

TREE TO REMAIN

+95.58
54.10RT

TREE TO REMAIN

+99.26
49.78RT

TREE TO REMAIN

+17.01
50.58RT

+27.01
50.97RT

+66.51
52.68RT

CP

+75.01
53.11RT

No railings on back side of ramp or near the pad.

Can the saw cut be move to place the longitudinal joint to outside the bike accommodation?

LEGEND

- REINFORCED CONCRETE PLATFORM
- CONCRETE PLATFORM RAMP
- CONCRETE PAVEMENT 12-INCH
- CONCRETE SIDEWALK 5-INCH
- SOD LAWN
- CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
- LANDING AREA
- CONCRETE PAVEMENT 12-INCH, COLORED AND STAMPED

CD	CONCRETE DRIVEWAY 6-INCH
AP	ASPHALTIC SURFACE
G-24	CONCRETE GUTTER 24-INCH (PAVED INTEGRAL TO LANE, SEE DETAIL)
G-18	CONCRETE GUTTER 18-INCH (PAVED INTEGRAL TO LANE, SEE DETAIL)
CG-18A	CONCRETE CURB AND GUTTER 18-INCH TYPE A
CG-30A	CONCRETE CURB AND GUTTER 30-INCH TYPE A
CG-30D	CONCRETE CURB AND GUTTER 30-INCH TYPE D
CGI-30D	CONCRETE CURB AND GUTTER INTEGRAL 30-INCH TYPE D
CG-24D	CONCRETE CURB AND GUTTER 24-INCH TYPE D
CP	CONCRETE CURB PEDESTRIAN
CPR	CONCRETE CURB PLATFORM RAMP (SEE DETAIL)
CS	CONCRETE STEPS
BR	BICYCLE RACK CONCRETE-MOUNTED
CR-1A	CURB RAMP TYPE 1A
CR-2	CURB RAMP TYPE 2
CR-3	CURB RAMP TYPE 3
CR-7A	CURB RAMP TYPE 7A

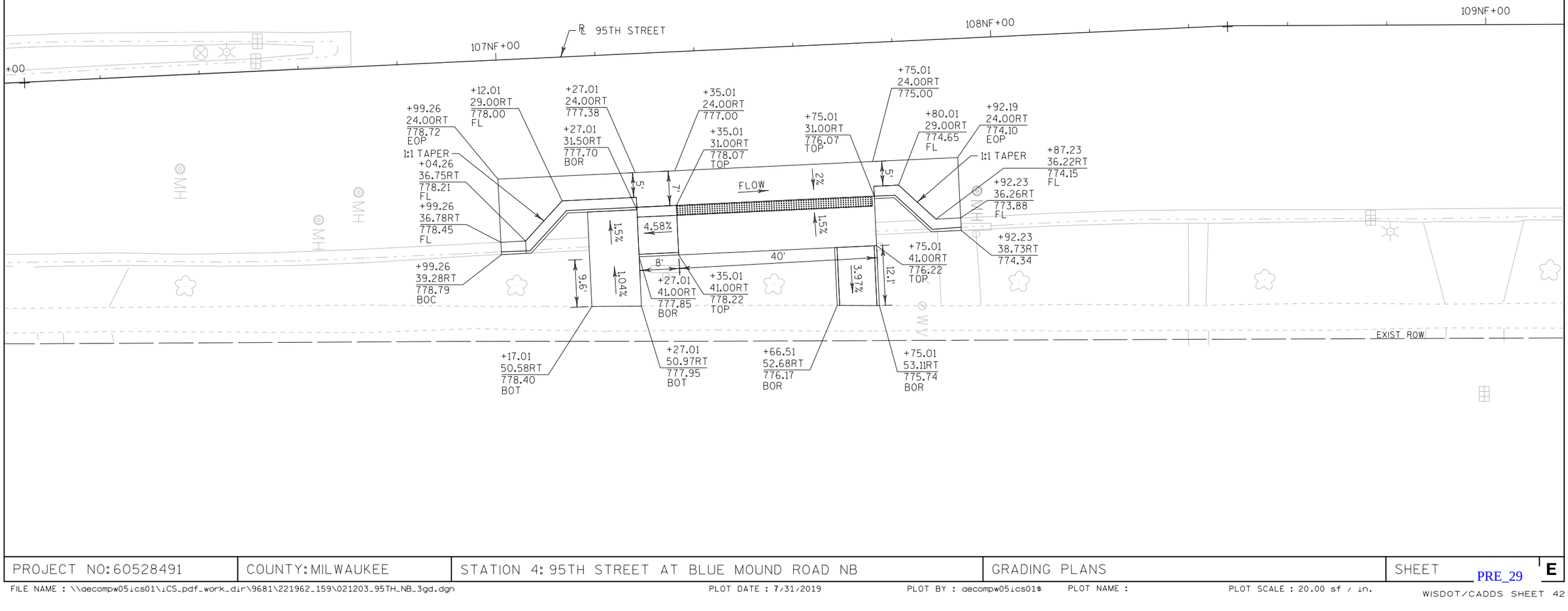
PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 4: 95TH STREET AT BLUE MOUND ROAD NB	SITE PLANS	SHEET E

PRE_28

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\AECOM\Sheets\021203_95TH_NB_2sp.dgn PLOT DATE : 7/31/2019 PLOT BY : mrozz PLOT NAME : PLOT SCALE : 20.00 sf / in.

N

95TH STREET



PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 4: 95TH STREET AT BLUE MOUND ROAD NB	GRADING PLANS	SHEET E

PRE_29

FILE NAME : \\aecompw05ics01\iCS_pdf_work_dir\9681\221962_159\021203_95TH_NB_3gd.dgn PLOT DATE : 7/31/2019 PLOT BY : aecompw05ics01$ PLOT NAME : PLOT SCALE : 20.00 sf / in.

℄ 95TH STREET

BLUE MOUND ROAD

N

104NF+00

104B+00

105B+00

106B+00

℄ BLUE MOUND ROAD

+93.04
11.00RT

+91.83
11.00RT

+51.79
11.00RT

+51.79
31.03RT

+50.77
33.50RT

EXLP1

REMOVING SIGNS TYPE II

INLET PROTECTION, TYPE C

+56.25
39.41RT

+81.50
39.52RT

+78.80
39.51RT

+56.10
45.31RT

EXIST ROW

+90.40
65.22RT

+15.63
66.81RT

REMOVING LIGHT POLE AND BASE

REMOVING SIGNS TYPE II

+98.05
65.59RT

REMOVING SIDEWALK, CURB & GUTTER, AND PAVEMENT (WITHIN LIMITS SHOWN)

+10.88
66.48RT

EXIST ROW

103NF+00

95TH STREET

EXIST ROW

LEGEND

- REMOVING PAVEMENT
- REMOVING CURB
- REMOVING CURB & GUTTER
- REMOVING CONCRETE SIDEWALK
- XXXXX SAWING PAVEMENT
- × REMOVING TREE (PAID FOR AS CLEARING AND GRUBBING)
- INLET PROTECTION, TYPE B (UNLESS OTHERWISE NOTED)
- REMOVING LIGHT POLE AND BASE
- REMOVING SIGNAL
- REMOVING PUSH BUTTON
- REMOVING PULL BOX
- REMOVING CONDUIT
- REMOVING STORM SEWER PIPE

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 5: BLUE MOUND ROAD AT 95TH STREET EB	REMOVAL SHEETS	SHEET E

PRE_30

Show all existing and prosed bus station, shelter, and 5x8 bus pad.

℄ 95TH STREET

BLUEMOUND ROAD

N

104NF+00

104B+00

105B+00

106B+00

℄ BLUEMOUND ROAD

+93.04
11.00RT

CR-3

2'X5'

CR-3

G-24

2'X40'

CG-30A

+51.79
11.00RT

16'

40'

18'

TAPER CURB HEAD TO MATCH EXISTING OVER 5 FT

+51.79
31.03RT

+50.77
33.50RT

ADJUSTING INLET COVERS

+56.25
39.41RT

CPR

CPR

+41.26
39.55RT

+31.26
39.53RT

EXIST ROW

EXIST ROW

CG-30A

+90.40
65.22RT

CP

CP

CP

+56.10
45.31RT

TAPER CURB HEAD TO MATCH EXISTING OVER 5 FT

+15.63
66.81RT

+10.88
66.48RT

EXIST ROW

103NF+00

95TH STREET

EXIST ROW

LEGEND

	REINFORCED CONCRETE PLATFORM
	CONCRETE PLATFORM RAMP
	CONCRETE PAVEMENT 12-INCH
	CONCRETE SIDEWALK 5-INCH
	SOD LAWN
	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
	LANDING AREA
	CONCRETE PAVEMENT 12-INCH, COLORED AND STAMPED

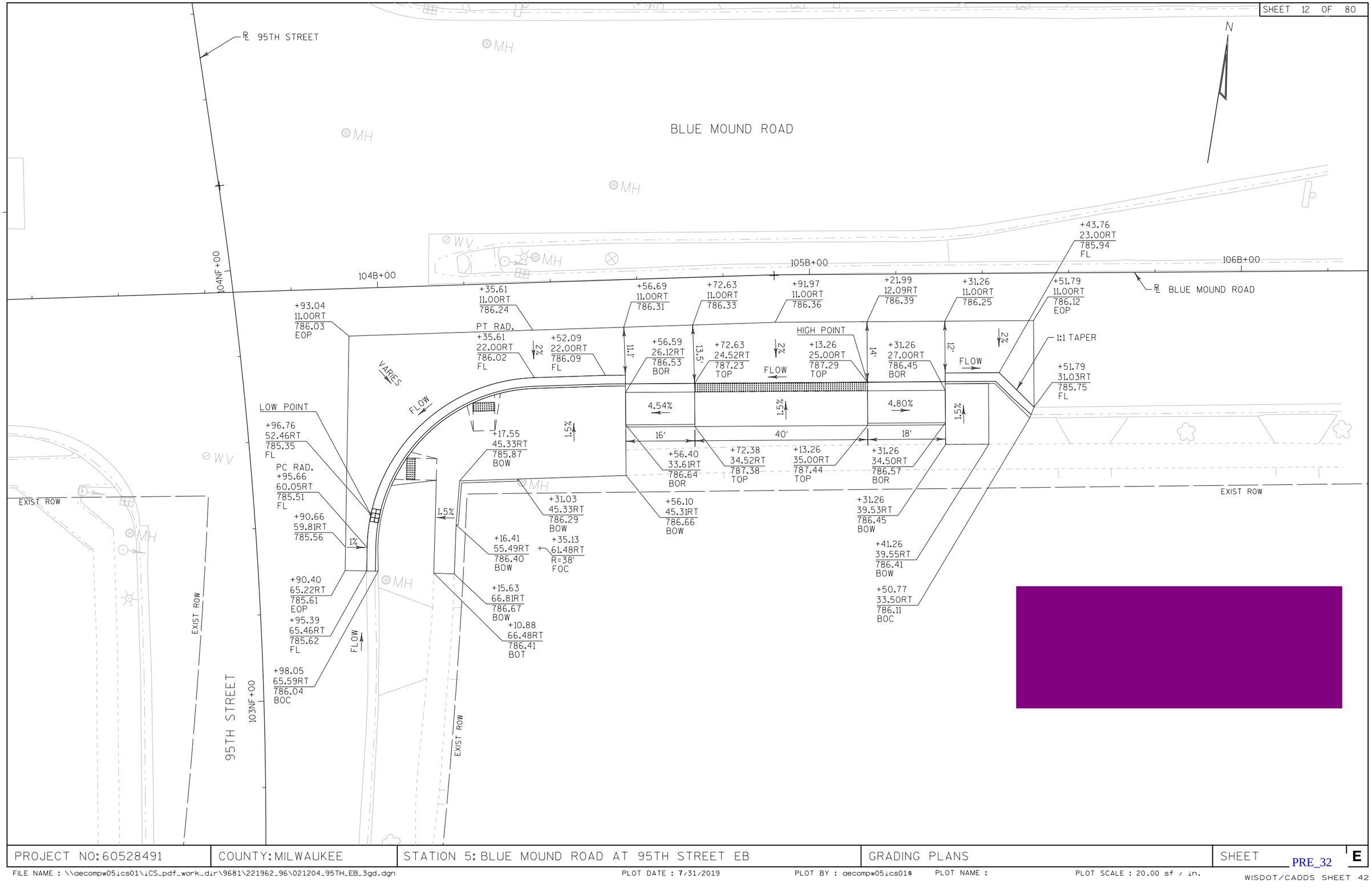
CD	CONCRETE DRIVEWAY 6-INCH
AP	ASPHALTIC SURFACE
G-24	CONCRETE GUTTER 24-INCH (PAVED INTEGRAL TO LANE, SEE DETAIL)
G-18	CONCRETE GUTTER 18-INCH (PAVED INTEGRAL TO LANE, SEE DETAIL)
CG-18A	CONCRETE CURB AND GUTTER 18-INCH TYPE A
CG-30A	CONCRETE CURB AND GUTTER 30-INCH TYPE A
CG-30D	CONCRETE CURB AND GUTTER 30-INCH TYPE D
CGI-30D	CONCRETE CURB AND GUTTER INTEGRAL 30-INCH TYPE D

CG-24D	CONCRETE CURB AND GUTTER 24-INCH TYPE D
CP	CONCRETE CURB PEDESTRIAN
CPR	CONCRETE CURB PLATFORM RAMP (SEE DETAIL)
CS	CONCRETE STEPS
BR	BICYCLE RACK CONCRETE-MOUNTED
CR-1A	CURB RAMP TYPE 1A
CR-2	CURB RAMP TYPE 2
CR-3	CURB RAMP TYPE 3
CR-7A	CURB RAMP TYPE 7A

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 5: BLUE MOUND ROAD AT 95TH STREET EB	SITE PLANS	SHEET E

PRE_31

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\AECOM\Sheets\021204_95TH_EB_2sp.dgn PLOT DATE : 7/31/2019 PLOT BY : mrozz PLOT NAME : PLOT SCALE : 20.00 sf / in.



PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 5: BLUE MOUND ROAD AT 95TH STREET EB	GRADING PLANS	SHEET E

PRE_32

N

ROBERTSON STREET

EXIST ROW

EXIST ROW

EXIST ROW

REMOVING SIDEWALK, CURB & GUTTER, AND PAVEMENT (WITHIN LIMITS SHOWN)

REMOVING SIGNS TYPE II

REMOVING SIGNS TYPE II

INLET PROTECTION, TYPE C

+40.75
78.78LT

+91.31
71.01LT

+36.67
40.00LT

+91.27
40.00LT

REMOVING INLETS

BLUE MOUND ROAD

℄ BLUE MOUND ROAD

141B+00

142B+00

143B+00

EXIST ROW

LEGEND

- REMOVING PAVEMENT
- REMOVING CURB
- REMOVING CURB & GUTTER
- REMOVING CONCRETE SIDEWALK
- XXXXX SAWING PAVEMENT
- × REMOVING TREE (PAID FOR AS CLEARING AND GRUBBING)
- INLET PROTECTION, TYPE B (UNLESS OTHERWISE NOTED)
- REMOVING LIGHT POLE AND BASE
- REMOVING SIGNAL
- REMOVING PUSH BUTTON
- REMOVING PULL BOX
- REMOVING CONDUIT
- REMOVING STORM SEWER PIPE

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 6: BLUE MOUND RD & GLENVIEW AVE WB	REMOVAL SHEETS	SHEET E

PRE_33

N

ROBERTSON STREET

EXIST ROW

EXIST ROW

142B+67.2, 62.8' LT
MANHOLE TYPE 6-J (MH 6.1)
RIM EL.=706.82
CONNECT TO EXISTING 36" PIPE
W. INVERT EL.=699.67 (EXISTING 36")
E. INVERT EL.=699.57 (EXISTING 36")

10' SSPRC 12-INCH
DS INVERT EL. (MH 6.1)=701.57
US INVERT EL. (CB 6.1)=701.67
SLOPE=1.7%

142B+65.8, 52.8' LT
CATCH BASIN TYPE 2X3-H (CB 6.1)
RIM EL.=706.12
SUMP EL.=699.67

+49.75
78.45LT

+40.75
78.78LT

TAPER CURB HEAD TO MATCH
EXISTING OVER 5 FT

EXIST ROW

EXIST ROW

40'

30'

+91.31
71.01LT

TAPER CURB HEAD
TO MATCH EXISTING
OVER 5 FT

CR-2

2'X5'

CG-30A

CG-30A

+36.67
40.00LT

CR-2

CS

2'X40'

G-24

CP

CPR

+91.27
40.00LT

RECONSTRUCTING
MANHOLE

BLUE MOUND ROAD

℄ BLUE MOUND ROAD

141B+00

142B+00

143B+00

EXIST ROW

EXIST ROW

LEGEND

	REINFORCED CONCRETE PLATFORM	CD	CONCRETE DRIVEWAY 6-INCH
	CONCRETE PLATFORM RAMP	AP	ASPHALTIC SURFACE
	CONCRETE PAVEMENT 12-INCH	G-24	CONCRETE GUTTER 24-INCH (PAVED INTEGRAL TO LANE, SEE DETAIL)
	CONCRETE SIDEWALK 5-INCH	G-18	CONCRETE GUTTER 18-INCH (PAVED INTEGRAL TO LANE, SEE DETAIL)
	SOD LAWN	CG-18A	CONCRETE CURB AND GUTTER 18-INCH TYPE A
	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA	CG-30A	CONCRETE CURB AND GUTTER 30-INCH TYPE A
	LANDING AREA	CG-30D	CONCRETE CURB AND GUTTER 30-INCH TYPE D
	CONCRETE PAVEMENT 12-INCH, COLORED AND STAMPED	CGI-30D	CONCRETE CURB AND GUTTER INTEGRAL 30-INCH TYPE D

CG-24D	CONCRETE CURB AND GUTTER 24-INCH TYPE D
CP	CONCRETE CURB PEDESTRIAN
CPR	CONCRETE CURB PLATFORM RAMP (SEE DETAIL)
CS	CONCRETE STEPS
BR	BICYCLE RACK CONCRETE-MOUNTED
CR-1A	CURB RAMP TYPE 1A
CR-2	CURB RAMP TYPE 2
CR-3	CURB RAMP TYPE 3
CR-7A	CURB RAMP TYPE 7A

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 6: BLUE MOUND RD & GLENVIEW AVE WB	SITE PLANS	SHEET E

PRE_34

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\AECOM\Sheets\021205_GLENVIEW_WB_2sp.dgn PLOT DATE : 7/31/2019 PLOT BY : mrozz PLOT NAME : PLOT SCALE : 20.00 sf / in.

N

ROBERTSON STREET

EXIST ROW

EXIST ROW

EXIST ROW

+43.40
78.55LT
709.80
BOC

+40.75
78.78LT
709.59
FL

PC RAD.
+40.66
76.26LT
709.60
FL

+49.75
78.45LT
709.74
BOW

+49.69
77.25LT
709.77
BOW

+56.50
71.31LT
709.71
BOW

+62.55
74.09LT
R=20'
FOC

+93.35
64.01LT
708.66
BOS

+93.33
54.01LT
708.51
BOS

+93.37
71.23LT
708.55
BOW

+94.27
64.01LT
709.39
TOP

+34.27
63.90LT
708.39
TOP

+64.29
63.32LT
706.90
BOR

+64.33
71.07LT
706.84
BOW

+64.25
55.82LT
706.81
BOR

+91.31
71.01LT
706.38
BOW

+91.27
63.57LT
706.22
BOC

+91.26
61.07LT
705.78
FL

+86.27
61.07LT
705.85
FL

1:1 TAPER

+91.27
40.00LT
705.99
EOP

40'

30'

1.5%

1.5%

1.5%

1.5%

4.9%

4.9%

0.8%

1.2%

5'

FLOW

FLOW

VARIES

PT RAD.
+62.49
52.10LT
708.98
FL

2%

12'

2.1%

+94.24
54.01LT
709.24
TOP

13.9'

2%

+34.24
53.91LT
708.24
TOP

+64.23
51.82LT
706.37
FL

2%

11.8'

+36.65
40.00LT
710.14
EOP

+62.46
40.00LT
709.22

+93.29
40.00LT
708.34

+93.32
52.03LT
708.09
FL

+94.21
40.00LT
708.32

+34.21
40.00LT
707.31

+64.20
40.00LT
706.61

+77.24
51.78LT
706.13
FL

BLUE MOUND ROAD

MOUND ROAD

142B+00

143B+00

EXIST ROW

EXIST ROW

EXIST ROW

MH

MH

MH

WV

WV

WV

Curb ramp alignment need to be checked. Outside of the crosswalk markings and pointed at median with no pedestrian refuge. Appears median nose will encroach upon relocated crosswalk. Also attention must be given to other curb ramps if adjustment made to one.

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 6: BLUE MOUND RD & GLENVIEW AVE WB	GRADING PLANS	SHEET E

PRE_35

N

EXIST ROW

MH

BLUE MOUND ROAD

148B+00

149B+00

150B+00

℄ BLUE MOUND ROAD

+82.46
13.03RT

+10.58
10.39RT

+82.26
36.35RT

+11.46
33.44RT

INLET PROTECTION,
TYPE C

EXLP1

+82.49
41.74RT

EXLP2

+11.66
38.48RT

+11.88
44.09RT

+82.16
47.09RT

DISCONNECT AND REMOVE
EXISTING ELECTRICAL WIRE
FROM EXLP1 TO EXLP2

REMOVING SIDEWALK,
CURB & GUTTER,
AND PAVEMENT
(WITHIN LIMITS SHOWN)

REMOVING SIGNS TYPE II

REMOVING CONDUIT

EXIST ROW

LEGEND

- REMOVING PAVEMENT
- REMOVING CURB
- REMOVING CURB & GUTTER
- REMOVING CONCRETE SIDEWALK
- XXXXX SAWING PAVEMENT
- × REMOVING TREE (PAID FOR AS CLEARING AND GRUBBING)
- INLET PROTECTION, TYPE B (UNLESS OTHERWISE NOTED)
- REMOVING LIGHT POLE AND BASE
- REMOVING SIGNAL
- REMOVING PUSH BUTTON
- REMOVING PULL BOX
- REMOVING CONDUIT
- REMOVING STORM SEWER PIPE

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 7: BLUE MOUND ROAD AT GLENVIEW AVENUE EB	REMOVAL SHEETS	SHEET E

PRE_36

BLUE MOUND ROAD

EXIST ROW

N

MH

148B+00

149B+00

150B+00

℄ BLUE MOUND ROAD

+82.46
13.03RT

+82.21
41.76RT

+82.16
47.09RT

+10.58
10.39RT

+11.66
38.48RT

+11.88
44.09RT

CPR

CP

G-24

2'X40'

BR

CG-30A

TAPER CURB HEAD TO
MATCH EXISTING OVER 5 FT

TAPER CURB HEAD TO
MATCH EXISTING OVER 5 FT

15'

40'

20'

148B+86.0, 34.4'RT
CATCH BASIN TYPE 2X3-H (CB 7.1)
RIM EL.=699.32

EXIST ROW

LEGEND

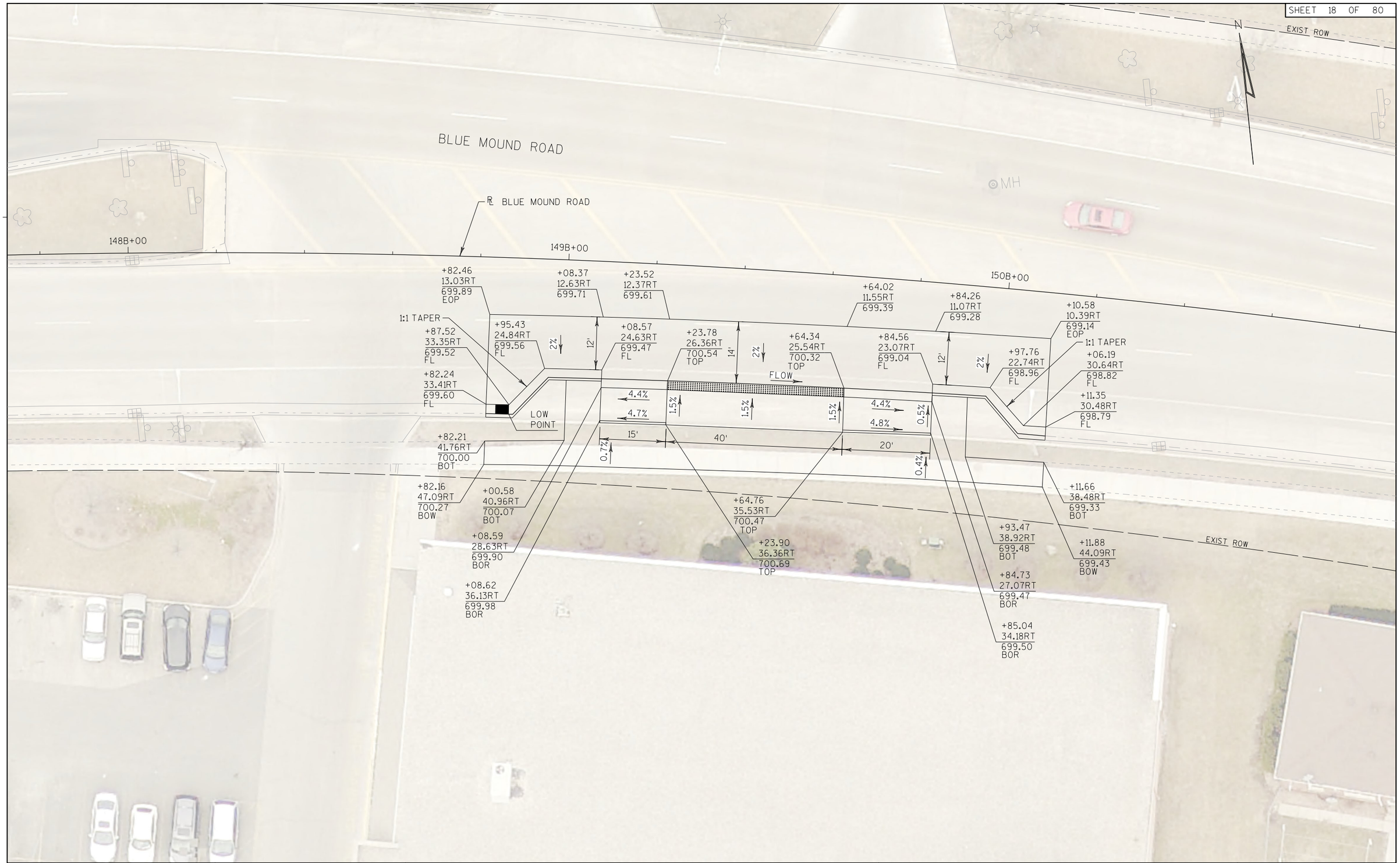
- REINFORCED CONCRETE PLATFORM
- CONCRETE PLATFORM RAMP
- CONCRETE PAVEMENT 12-INCH
- CONCRETE SIDEWALK 5-INCH
- SOD LAWN
- CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
- LANDING AREA
- CONCRETE PAVEMENT 12-INCH, COLORED AND STAMPED

CD	CONCRETE DRIVEWAY 6-INCH
AP	ASPHALTIC SURFACE
G-24	CONCRETE GUTTER 24-INCH (PAVED INTEGRAL TO LANE, SEE DETAIL)
G-18	CONCRETE GUTTER 18-INCH (PAVED INTEGRAL TO LANE, SEE DETAIL)
CG-18A	CONCRETE CURB AND GUTTER 18-INCH TYPE A
CG-30A	CONCRETE CURB AND GUTTER 30-INCH TYPE A
CG-30D	CONCRETE CURB AND GUTTER 30-INCH TYPE D
CGI-30D	CONCRETE CURB AND GUTTER INTEGRAL 30-INCH TYPE D
CG-24D	CONCRETE CURB AND GUTTER 24-INCH TYPE D
CP	CONCRETE CURB PEDESTRIAN
CPR	CONCRETE CURB PLATFORM RAMP (SEE DETAIL)
CS	CONCRETE STEPS
BR	BICYCLE RACK CONCRETE-MOUNTED
CR-1A	CURB RAMP TYPE 1A
CR-2	CURB RAMP TYPE 2
CR-3	CURB RAMP TYPE 3
CR-7A	CURB RAMP TYPE 7A

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 7: BLUE MOUND ROAD AT GLENVIEW AVENUE EB	SITE PLANS	SHEET E

PRE_37

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\AECOM\Sheets\021206_GLENVIEW_EB_2sp.dgn PLOT DATE : 7/31/2019 PLOT BY : mrozz PLOT NAME : PLOT SCALE : 20.00 sf / in.



PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 7: BLUE MOUND ROAD AT GLENVIEW AVENUE EB	GRADING PLANS	SHEET E

PRE_38

76TH STREET

EXIST ROW

N

EXIST ROW

EXIST ROW

REMOVING PAVEMENT AND CURB & GUTTER (WITHIN THE LIMITS SHOWN)

+33.54
31.25LT

+48.51
31.21LT

+33.53
17.91LT

+48.48
18.32LT

169B+00 170B+00 171B+00 172B+00

℄ BLUE MOUND ROAD

BLUE MOUND ROAD

EXIST ROW

EXIST ROW

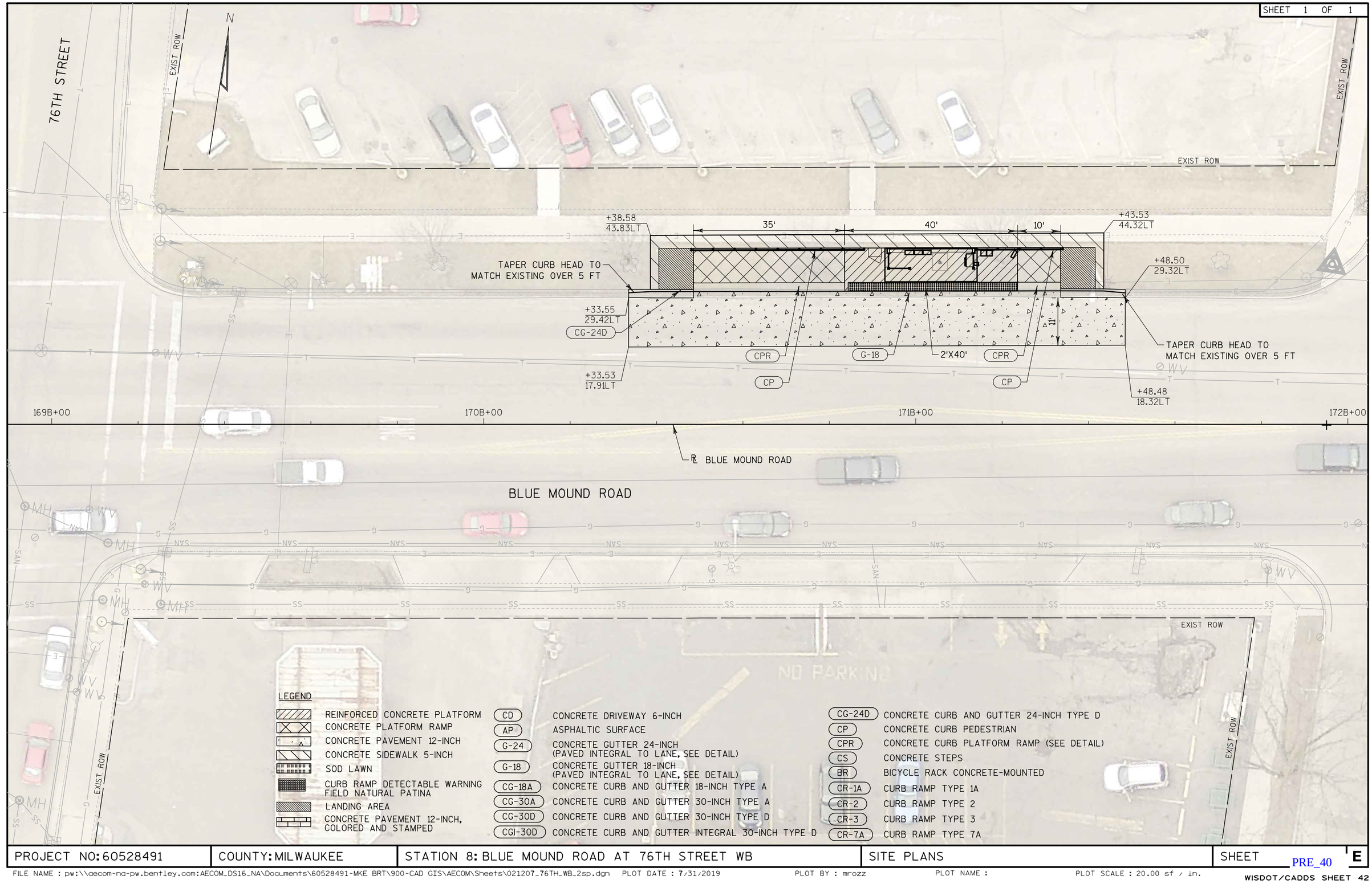
EXIST ROW

LEGEND

- REMOVING PAVEMENT
- REMOVING CURB
- REMOVING CURB & GUTTER
- REMOVING CONCRETE SIDEWALK
- XXXXX SAWING PAVEMENT
- × REMOVING TREE (PAID FOR AS CLEARING AND GRUBBING)
- INLET PROTECTION, TYPE B (UNLESS OTHERWISE NOTED)
- REMOVING LIGHT POLE AND BASE
- REMOVING SIGNAL
- REMOVING PUSH BUTTON
- REMOVING PULL BOX
- REMOVING CONDUIT
- REMOVING STORM SEWER PIPE

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION & BLUE MOUND ROAD AT 76TH STREET WB	REMOVAL SHEETS	SHEET E

PRE_39



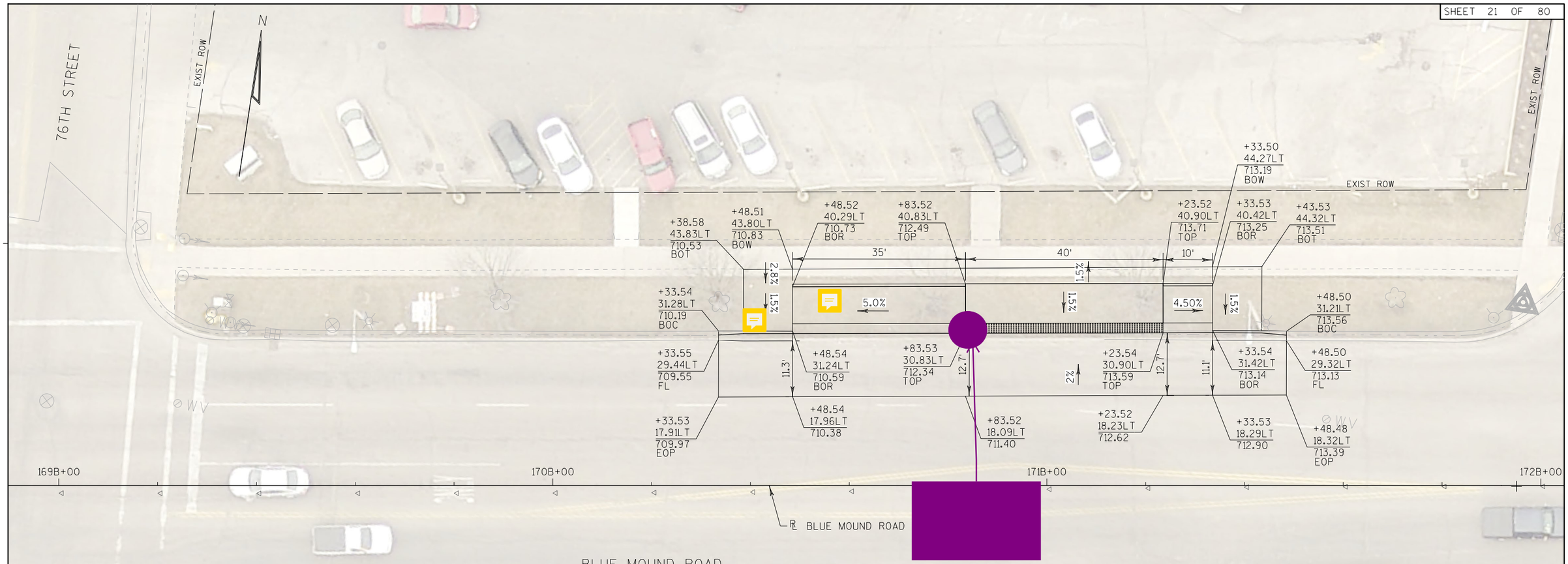
LEGEND

- REINFORCED CONCRETE PLATFORM
- CONCRETE PLATFORM RAMP
- CONCRETE PAVEMENT 12-INCH
- CONCRETE SIDEWALK 5-INCH
- SOD LAWN
- CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
- LANDING AREA
- CONCRETE PAVEMENT 12-INCH, COLORED AND STAMPED

CD	CONCRETE DRIVEWAY 6-INCH
AP	ASPHALTIC SURFACE
G-24	CONCRETE GUTTER 24-INCH (PAVED INTEGRAL TO LANE, SEE DETAIL)
G-18	CONCRETE GUTTER 18-INCH (PAVED INTEGRAL TO LANE, SEE DETAIL)
CG-18A	CONCRETE CURB AND GUTTER 18-INCH TYPE A
CG-30A	CONCRETE CURB AND GUTTER 30-INCH TYPE A
CG-30D	CONCRETE CURB AND GUTTER 30-INCH TYPE D
CGI-30D	CONCRETE CURB AND GUTTER INTEGRAL 30-INCH TYPE D
CG-24D	CONCRETE CURB AND GUTTER 24-INCH TYPE D
CP	CONCRETE CURB PEDESTRIAN
CPR	CONCRETE CURB PLATFORM RAMP (SEE DETAIL)
CS	CONCRETE STEPS
BR	BICYCLE RACK CONCRETE-MOUNTED
CR-1A	CURB RAMP TYPE 1A
CR-2	CURB RAMP TYPE 2
CR-3	CURB RAMP TYPE 3
CR-7A	CURB RAMP TYPE 7A

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 8: BLUE MOUND ROAD AT 76TH STREET WB	SITE PLANS	SHEET E

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\AECOM\Sheets\021207_76TH_WB_2sp.dgn PLOT DATE : 7/31/2019 PLOT BY : mrozz PLOT NAME : PLOT SCALE : 20.00 sf / in.



LEGEND

	REINFORCED CONCRETE PLATFORM	CD	CONCRETE DRIVEWAY 6-INCH
	CONCRETE PLATFORM RAMP	AP	ASPHALTIC SURFACE
	CONCRETE PAVEMENT 12-INCH	G-24	CONCRETE GUTTER 24-INCH (PAVED INTEGRAL TO LANE, SEE DETAIL)
	CONCRETE SIDEWALK 5-INCH	G-18	CONCRETE GUTTER 18-INCH (PAVED INTEGRAL TO LANE, SEE DETAIL)
	SOD LAWN	CG-18A	CONCRETE CURB AND GUTTER 18-INCH TYPE A
	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA	CG-30A	CONCRETE CURB AND GUTTER 30-INCH TYPE A
	LANDING AREA	CG-30D	CONCRETE CURB AND GUTTER 30-INCH TYPE D
	CONCRETE PAVEMENT 12-INCH, COLORED AND STAMPED	CGI-30D	CONCRETE CURB AND GUTTER INTEGRAL 30-INCH TYPE D
		CG-24D	CONCRETE CURB AND GUTTER 24-INCH TYPE D
		CP	CONCRETE CURB PEDESTRIAN
		CPR	CONCRETE CURB PLATFORM RAMP (SEE DETAIL)
		CS	CONCRETE STEPS
		BR	BICYCLE RACK CONCRETE-MOUNTED
		CR-1A	CURB RAMP TYPE 1A
		CR-2	CURB RAMP TYPE 2
		CR-3	CURB RAMP TYPE 3
		CR-7A	CURB RAMP TYPE 7A

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 8: BLUE MOUND ROAD AT 76TH STREET WB	GRADING PLANS	SHEET E

PRE_41

N

77TH STREET

EXIST ROW

EXIST ROW

BLUE MOUND ROAD

℄ BLUE MOUND ROAD

165B+00 166B+00 167B+00 168B+00

REMOVING PAVEMENT AND CURB & GUTTER (WITHIN THE LIMITS SHOWN)

+65.85
17.60RT

+71.84
17.73RT

+71.87
30.63RT

EXLP1

EXLP2

EXLC1

REMOVING CONDUIT

DISCONNECT AND REMOVE EXISTING ELECTRICAL WIRE FROM EXLP1 TO EXLC1

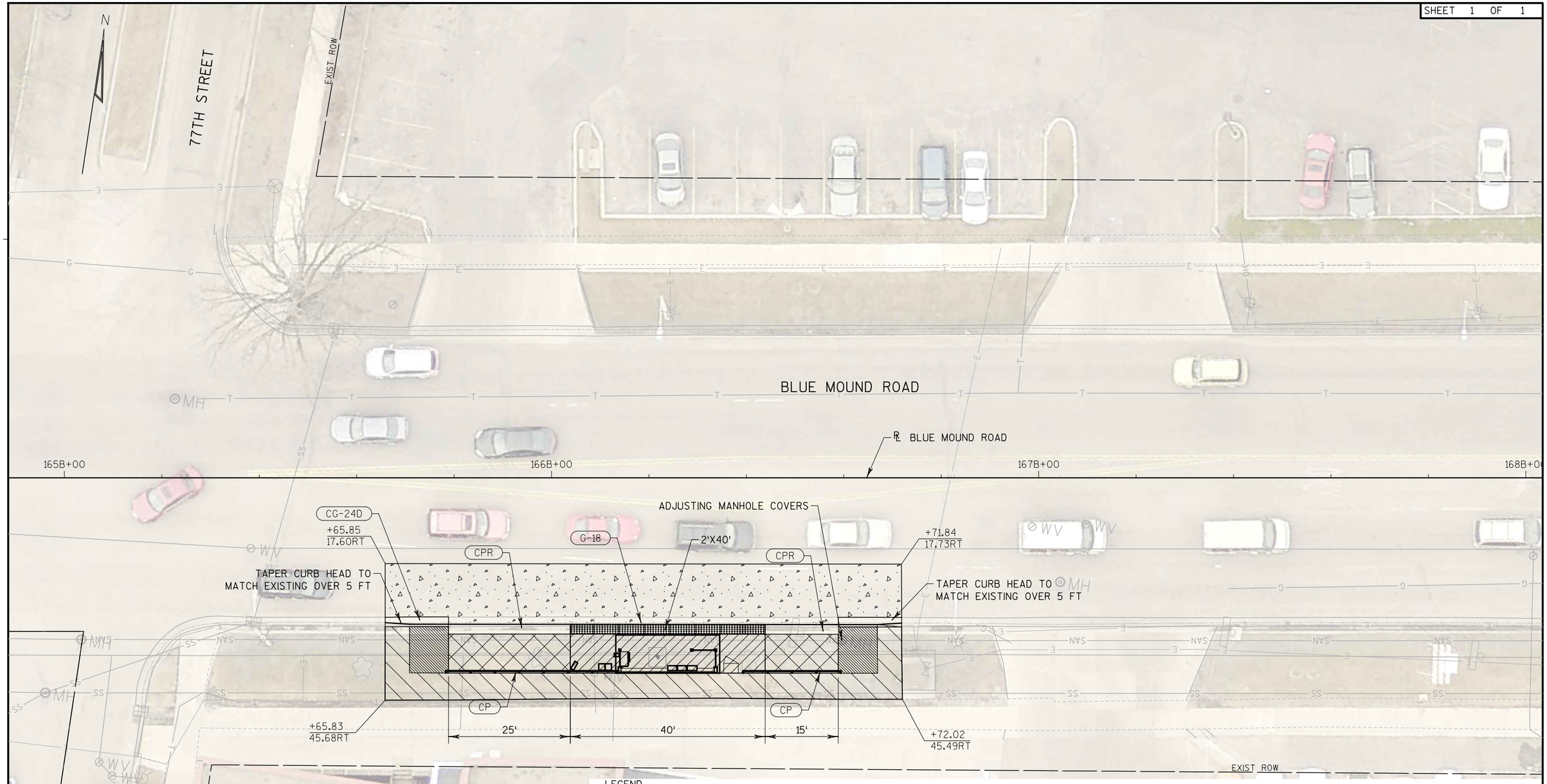
EXIST ROW

EXIST ROW

LEGEND

- REMOVING PAVEMENT
- REMOVING CURB
- REMOVING CURB & GUTTER
- REMOVING CONCRETE SIDEWALK
- XXXXX SAWING PAVEMENT
- REMOVING TREE (PAID FOR AS CLEARING AND GRUBBING)
- INLET PROTECTION, TYPE B (UNLESS OTHERWISE NOTED)
- REMOVING LIGHT POLE AND BASE
- REMOVING SIGNAL
- REMOVING PUSH BUTTON
- REMOVING PULL BOX
- REMOVING CONDUIT
- REMOVING STORM SEWER PIPE

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 9: BLUE MOUND ROAD AT 76TH STREET EB	REMOVAL SHEETS	SHEET E



LEGEND

	REINFORCED CONCRETE PLATFORM
	CONCRETE PLATFORM RAMP
	CONCRETE PAVEMENT 12-INCH
	CONCRETE SIDEWALK 5-INCH
	SOD LAWN
	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
	LANDING AREA
	CONCRETE PAVEMENT 12-INCH, COLORED AND STAMPED

CD	CONCRETE DRIVEWAY 6-INCH
AP	ASPHALTIC SURFACE
G-24	CONCRETE GUTTER 24-INCH (PAVED INTEGRAL TO LANE, SEE DETAIL)
G-18	CONCRETE GUTTER 18-INCH (PAVED INTEGRAL TO LANE, SEE DETAIL)
CG-18A	CONCRETE CURB AND GUTTER 18-INCH TYPE A
CG-30A	CONCRETE CURB AND GUTTER 30-INCH TYPE A
CG-30D	CONCRETE CURB AND GUTTER 30-INCH TYPE D
CGI-30D	CONCRETE CURB AND GUTTER INTEGRAL 30-INCH TYPE D

CG-24D	CONCRETE CURB AND GUTTER 24-INCH TYPE D
CP	CONCRETE CURB PEDESTRIAN
CPR	CONCRETE CURB PLATFORM RAMP (SEE DETAIL)
CS	CONCRETE STEPS
BR	BICYCLE RACK CONCRETE-MOUNTED
CR-1A	CURB RAMP TYPE 1A
CR-2	CURB RAMP TYPE 2
CR-3	CURB RAMP TYPE 3
CR-7A	CURB RAMP TYPE 7A

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 9: BLUE MOUND ROAD AT 76TH STREET EB	SITE PLANS	SHEET E

PRE_43

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\AECOM\Sheets\021208_76TH_EB_2sp.dgn PLOT DATE : 7/31/2019 PLOT BY : mrozz PLOT NAME : PLOT SCALE : 20.00 sf / in.

N

77TH STREET

EXIST ROW

EXIST ROW

BLUE MOUND ROAD

℄ BLUE MOUND ROAD

165B+00 166B+00 167B+00 168B+00

MH MH MH MH

WV WV WV WV

+65.85
17.60RT
703.81
EOP

+78.84
17.62RT
703.99
EOP

+78.84
30.56RT
704.21
BOR

+03.84
17.65RT
704.33
EOP

+43.86
17.70RT
704.91
EOP

+58.86
17.71RT
705.12
EOP

+71.84
17.73RT
705.28
EOP

+65.84
28.63RT
703.53
FL

+03.84
30.09RT
705.28
TOP

+43.85
30.12RT
705.86
TOP

+58.86
30.13RT
705.34
BOR

+71.87
28.69RT
705.02
FL

+65.84
30.60RT
703.99
BOC

+71.87
30.63RT
705.46
BOC

+65.83
45.68RT
704.17
BOW

+78.84
40.07RT
704.35
BOR

+78.89
45.63RT
704.47
BOW

+03.84
40.09RT
705.43
TOP

+43.85
40.12RT
706.01
TOP

+58.85
45.47RT
705.61
BOW

+58.85
40.13RT
705.48
BOR

+72.02
45.49RT
705.74
BOW

11'

12.4'

2%

12.4'

10.9'

4.30%

1.5%

3.49%

1.5%

2.12%

1.5%

2.43%

25'

40'

15'

EXIST ROW

EXIST ROW

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 9: BLUE MOUND ROAD AT 76TH STREET EB	GRADING PLANS	SHEET E

PRE_44

FILE NAME : \\aecompw05ics01\iCS_pdf_work_dir\9681\221962_154\021208_76TH_EB_3gd.dgn PLOT DATE : 7/31/2019 PLOT BY : aecompw05ics01$ PLOT NAME : PLOT SCALE : 20.00 sf / in.

N

DISCONNECT AND PULL BACK EXISTING ELECTRICAL WIRE FROM EXLP1 TO EXPB1. ONCE PROPOSED CONDUIT AND LIGHT POLE L-10-1 ARE INSTALLED PULL EXISTING ELECTRICAL WIRE FROM EXPB1 TO L-10-1.

REMOVING LIGHT POLE AND BASE

REMOVING CONDUIT

REMOVING CONDUIT

EXIST ROW

+76.16
40.92LT

+63.82
41.25LT

EXPB1

+72.33
28.38LT

EXLP1

EXPB2

+68.33
28.27LT

REMOVING SIDEWALK, CURB & GUTTER, AND PAVEMENT (WITHIN LIMITS SHOWN)

+72.33
11.00LT

+68.33
15.50LT

BLUE MOUND ROAD

192B+00

193B+00

194B+00

℄ BLUE MOUND ROAD

EXIST ROW

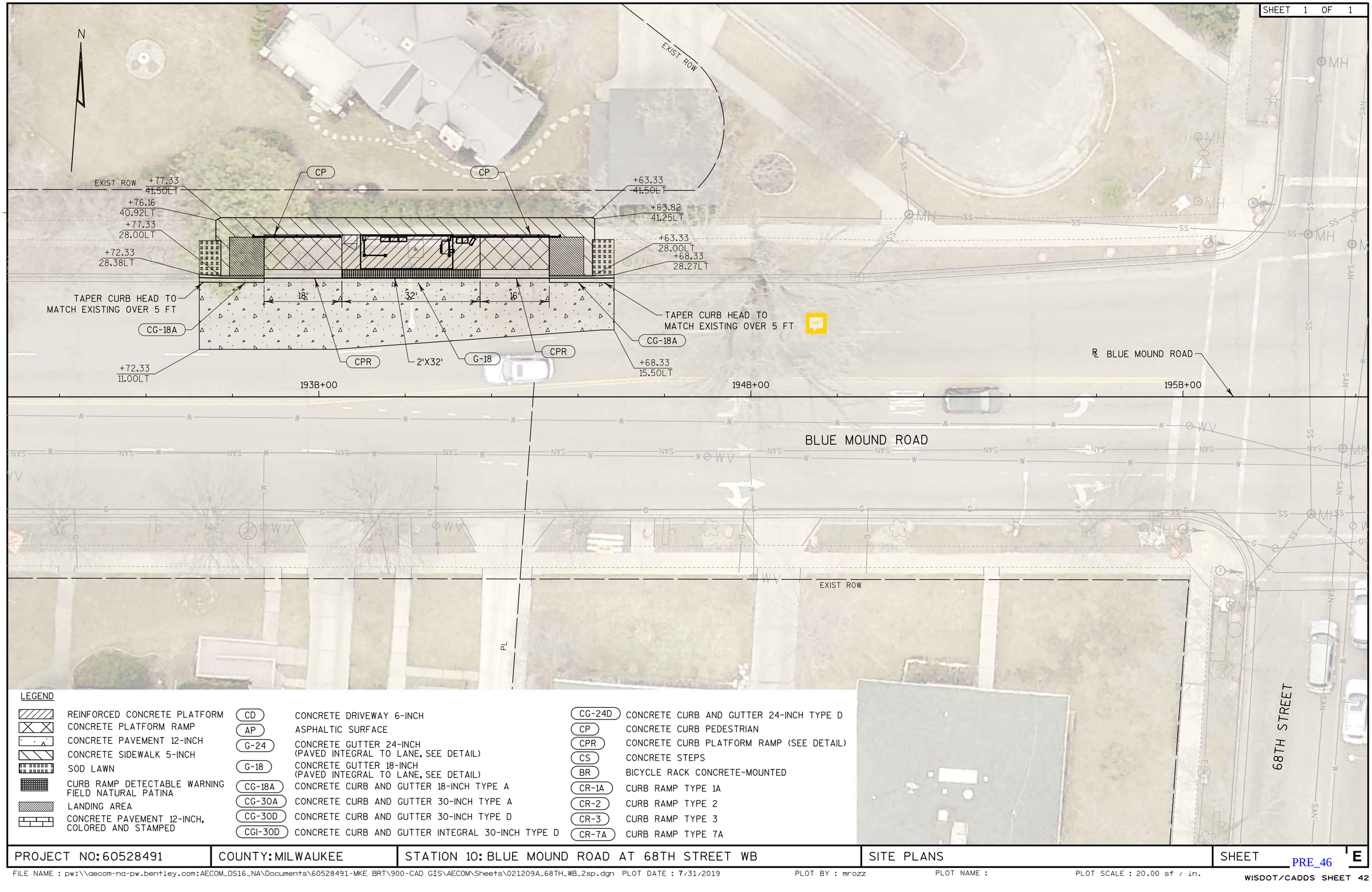
LEGEND

- REMOVING PAVEMENT
- REMOVING CURB
- REMOVING CURB & GUTTER
- REMOVING CONCRETE SIDEWALK
- XXXXX SAWING PAVEMENT
- × REMOVING TREE (PAID FOR AS CLEARING AND GRUBBING)
- INLET PROTECTION, TYPE B (UNLESS OTHERWISE NOTED)
- REMOVING LIGHT POLE AND BASE
- REMOVING SIGNAL
- REMOVING PUSH BUTTON
- REMOVING PULL BOX
- REMOVING CONDUIT
- REMOVING STORM SEWER PIPE

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 10: BLUE MOUND ROAD AT 68TH STREET WB	REMOVAL SHEETS	SHEET E

FILE NAME : \\decompw05ics01\iCS_pdf_work_dir\9681\221962_146\021209A_68TH_WB_1rm.dgn PLOT DATE : 7/31/2019 PLOT BY : decompw05ics01$ PLOT NAME : PLOT SCALE : 20.00 sf / in.

WISDOT/CADDS SHEET 42



LEGEND

REINFORCED CONCRETE PLATFORM	CD	CONCRETE DRIVEWAY 6-INCH	CG-24D CONCRETE CURB AND GUTTER 24-INCH TYPE D
CONCRETE PLATFORM RAMP	AP	ASPHALTIC SURFACE	CP CONCRETE CURB PEDESTRIAN
CONCRETE PAVEMENT 12-INCH	G-24	CONCRETE GUTTER 24-INCH (PAVED INTEGRAL TO LANE, SEE DETAIL)	CPR CONCRETE CURB PLATFORM RAMP (SEE DETAIL)
CONCRETE SIDEWALK 5-INCH			CS CONCRETE STEPS
SOD LAWN	G-18	CONCRETE GUTTER 18-INCH (PAVED INTEGRAL TO LANE, SEE DETAIL)	BR BICYCLE RACK CONCRETE-MOUNTED
CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA	CG-18A	CONCRETE CURB AND GUTTER 18-INCH TYPE A	CR-1A CURB RAMP TYPE 1A
LANDING AREA	CG-30A	CONCRETE CURB AND GUTTER 30-INCH TYPE A	CR-2 CURB RAMP TYPE 2
CONCRETE PAVEMENT 12-INCH, COLORED AND STAMPED	CG-30D	CONCRETE CURB AND GUTTER 30-INCH TYPE D	CR-3 CURB RAMP TYPE 3
	CGI-30D	CONCRETE CURB AND GUTTER INTEGRAL 30-INCH TYPE D	CR-7A CURB RAMP TYPE 7A

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 10: BLUE MOUND ROAD AT 68TH STREET WB	SITE PLANS	SHEET E

PRE_46

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\AECOM\Sheets\021209A_68TH_WB_2sp.dgn PLOT DATE : 7/31/2019 PLOT BY : mrozz PLOT NAME : PLOT SCALE : 20.00 sf / in.

N

EXIST ROW

+53.33
41.50LT
ELEVATION_ACTIVE_SURFACE

+76.16
40.92LT
701.81
BOW

+87.33
37.50LT
701.78
TOP

+87.33
41.50LT
ELEVATION_ACTIVE_SURFACE

+53.33
37.50LT
702.68
TOP

+37.33
37.50LT
702.43
TOP

+53.33
37.50LT
701.63
BOW

+63.82
41.25LT
701.71
BOW

+63.82
36.40LT
701.64
BOW

+76.16
36.20LT
701.63
BOW

18'

5.00%

32'

4.94%

16'

1.5%

+87.33
28.00LT
701.64
BOC

+05.33
27.50LT
702.53
TOP

+37.33
27.50LT
702.28
TOP

+53.33
28.00LT
701.49
BOC

+68.33
26.45LT
700.57

15.5'

16.5'

2%

11'

+72.33
11.00LT
701.81
EOP

+87.33
11.00LT
701.74
EOP

+05.33
11.14LT
701.67
EOP

+37.33
13.46LT
701.37
EOP

+53.33
14.62LT
701.27
EOP

+68.33
15.50LT
701.18
EOP

193B+00

194B+00

195B+00

68TH STREET

MH

WV

BLUE MOUND ROAD

℄ BLUE MOUND ROAD

EXIST ROW

EXIST ROW

PROJECT NO:60528491	COUNTY:MILWAUKEE	STATION 10:BLUE MOUND ROAD AT 68TH STREET WB	GRADING PLANS	SHEET E

PRE_47

FILE NAME : \\aecompw05ics01\iCS_pdf_work_dir\9681\221962_169\021209A_68TH_WB_3gd.dgn PLOT DATE : 7/31/2019 PLOT BY : aecompw05ics01$ PLOT NAME : PLOT SCALE : 20.00 sf / in.

N

67TH STREET

EXIST ROW

EXIST ROW

℄ BLUE MOUND ROAD

198B+00

199B+00

200B+00

BLUE MOUND ROAD

+81.43
11.00RT

+81.43
29.23RT

+75.83
11.00RT

+75.83
29.53RT

+81.43
35.00RT

+81.43
40.00RT

+12.11
43.42RT

+14.93
43.43RT

+65.16
43.72RT

+71.59
43.75RT

+75.83
35.50RT

+75.83
40.30RT

EXIST ROW

EXIST ROW

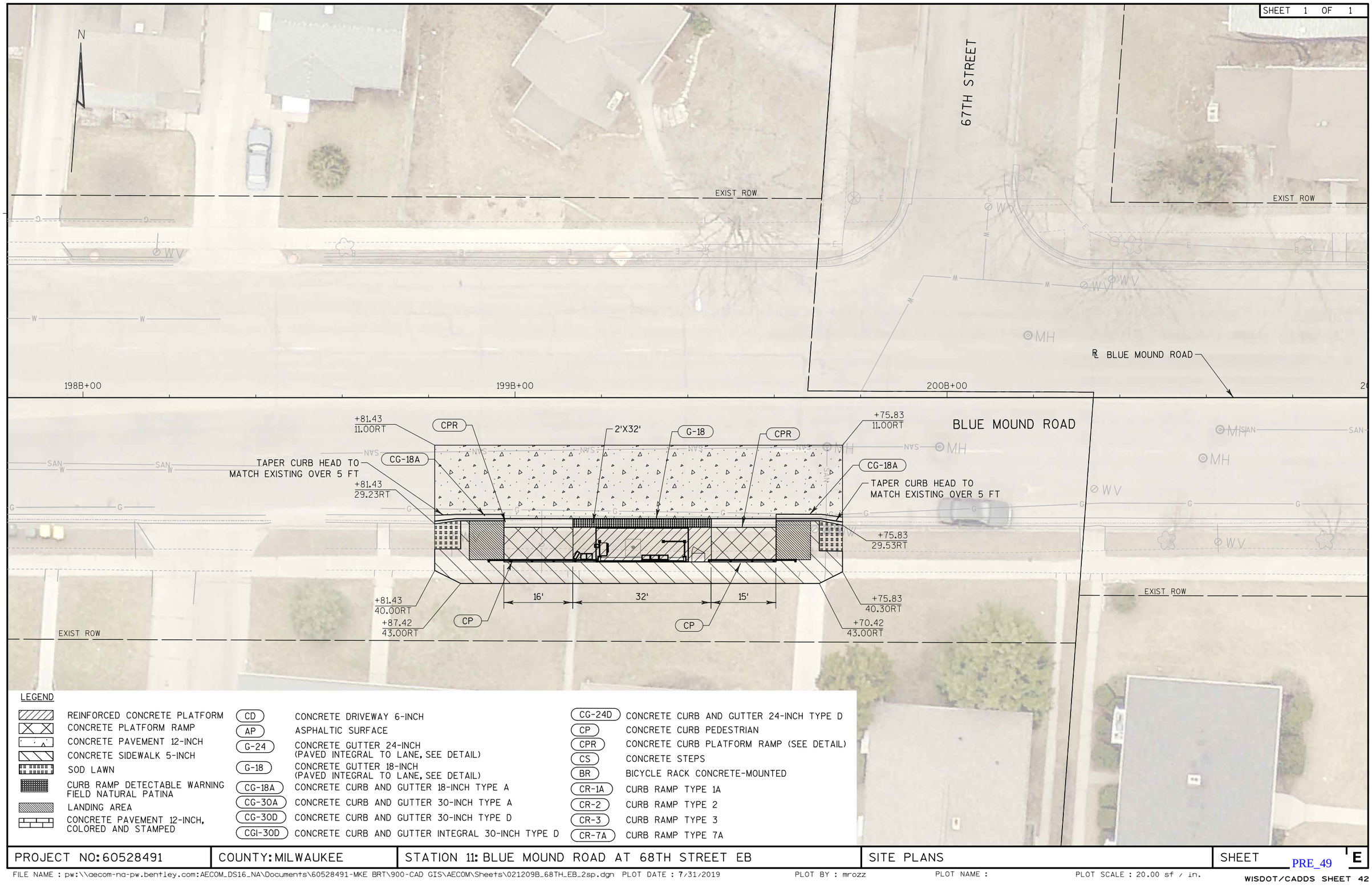
REMOVING SIDEWALK, CURB & GUTTER,
AND PAVEMENT (WITHIN LIMITS SHOWN)

LEGEND

- REMOVING PAVEMENT
- REMOVING CURB
- REMOVING CURB & GUTTER
- REMOVING CONCRETE SIDEWALK
- XXXXX SAWING PAVEMENT
- × REMOVING TREE (PAID FOR AS CLEARING AND GRUBBING)
- INLET PROTECTION, TYPE B (UNLESS OTHERWISE NOTED)
- REMOVING LIGHT POLE AND BASE
- REMOVING SIGNAL
- REMOVING PUSH BUTTON
- REMOVING PULL BOX
- REMOVING CONDUIT
- REMOVING STORM SEWER PIPE

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 11: BLUE MOUND ROAD AT 68TH STREET EB	REMOVAL SHEETS	SHEET E

PRE_48



LEGEND

	REINFORCED CONCRETE PLATFORM	CD	CONCRETE DRIVEWAY 6-INCH
	CONCRETE PLATFORM RAMP	AP	ASPHALTIC SURFACE
	CONCRETE PAVEMENT 12-INCH	G-24	CONCRETE GUTTER 24-INCH (PAVED INTEGRAL TO LANE, SEE DETAIL)
	CONCRETE SIDEWALK 5-INCH	G-18	CONCRETE GUTTER 18-INCH (PAVED INTEGRAL TO LANE, SEE DETAIL)
	SOD LAWN	CG-18A	CONCRETE CURB AND GUTTER 18-INCH TYPE A
	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA	CG-30A	CONCRETE CURB AND GUTTER 30-INCH TYPE A
	LANDING AREA	CG-30D	CONCRETE CURB AND GUTTER 30-INCH TYPE D
	CONCRETE PAVEMENT 12-INCH, COLORED AND STAMPED	CGI-30D	CONCRETE CURB AND GUTTER INTEGRAL 30-INCH TYPE D

CG-24D	CONCRETE CURB AND GUTTER 24-INCH TYPE D
CP	CONCRETE CURB PEDESTRIAN
CPR	CONCRETE CURB PLATFORM RAMP (SEE DETAIL)
CS	CONCRETE STEPS
BR	BICYCLE RACK CONCRETE-MOUNTED
CR-1A	CURB RAMP TYPE 1A
CR-2	CURB RAMP TYPE 2
CR-3	CURB RAMP TYPE 3
CR-7A	CURB RAMP TYPE 7A

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 11: BLUE MOUND ROAD AT 68TH STREET EB	SITE PLANS	SHEET E

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\AECOM\Sheets\021209B_68TH_EB_2sp.dgn PLOT DATE : 7/31/2019 PLOT BY : mrozz PLOT NAME : PLOT SCALE : 20.00 sf / in.
WISDOT/CADDS SHEET 42

N

67TH STREET

EXIST ROW

EXIST ROW

℄ BLUE MOUND ROAD

198B+00 199B+00 200B+00

BLUE MOUND ROAD

+81.43 11.00RT 702.63 EOP
+97.42 11.00RT 702.74 EOP
+13.42 11.00RT 702.79 EOP
+45.42 11.00RT 702.90 EOP
+60.42 11.00RT 702.94 EOP
+75.83 11.00RT 703.12 EOP

+81.43 29.23RT 702.79 BOC
+97.42 28.50RT 702.88 BOC
+13.42 28.00RT 703.64 TOP
+45.42 28.00RT 703.75 TOP
+60.42 28.50RT 702.08 BOC
+75.83 27.63RT 702.71 FL

16'
17'
2%
16'

+71.66 34.98RT 702.87 BOW
1.5%
4.78%
16'
1.5%
32'
4.49%
15'
1.5%
+70.42 35.46RT 703.34 BOW
+75.83 35.50RT 703.39 BOW

+81.43 35.00RT 702.84 BOW
+97.42 38.00RT 703.02 BOR
+13.42 38.00RT 703.75 TOP
+45.37 38.00RT 703.90 TOP
+60.42 38.00RT 703.22 BOR
+75.83 40.30RT 703.41 BOW

+81.43 40.00RT 703.04 BOW
+87.42 43.00RT ℄ELEVATION_ACTIVE_SURFACE℄ BOW
+97.42 43.00RT ℄ELEVATION_ACTIVE_SURFACE℄ BOW
+60.37 43.00RT ℄ELEVATION_ACTIVE_SURFACE℄ BOW
+70.42 43.00RT ℄ELEVATION_ACTIVE_SURFACE℄ BOW

EXIST ROW

EXIST ROW

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 11: BLUE MOUND ROAD AT 68TH STREET EB	GRADING PLANS	SHEET E

PRE_50

FILE NAME : \\aecompw05ics01\iCS_pdf_work_dir\9681\221962_198\021209B_68TH_EB_3gd.dgn PLOT DATE : 7/31/2019 PLOT BY : aecompw05ics01$ PLOT NAME : PLOT SCALE : 20.00 sf / in.

REMOVING SIDEWALK, CURB & GUTTER, AND PAVEMENT (WITHIN LIMITS SHOWN)

+42.08
43.63LT

EXIST ROW

REMOVING SIGNS TYPE II

+02.25
39.76LT

REMOVING CATCH BASINS

REMOVING CONDUIT

+69.20
47.74LT

+63.25
47.13LT

+63.43
44.67LT

+60.02
40.39LT

+76.79
46.53LT

+81.27
46.93LT

REMOVING SIGNS TYPE II

REMOVING CONDUIT

EXIST ROW

REMOVING SIGNS TYPE II

EXSTING LIGHT POLE, EXLP1, SHALL REMAIN OPERATIONAL THROUGH CONSTRUCTION. SEE TEMPORARY LIGHTING PLANS FOR DETAILS. LIGHT POLE AND BASE TO BE REMOVED ONCE PROPOSED LIGHTING SYSTEM IS OPERATIONAL.

+41.02
24.86LT

REMOVING CONDUIT

+43.13
10.00LT

+87.24
10.00LT

107H+00

EXLP2

108H+00

109H+00

℄ HAWLEY ROAD

+72.91
10.00RT

REMOVING CONDUIT

HAWLEY ROAD

+91.31
10.00RT

EXISTING LIGHT POLE TO REMAIN

+73.27
24.30RT

EXIST ROW

+73.31
28.51RT

+73.51
33.49RT

REMOVING SIDEWALK, CURB & GUTTER, AND PAVEMENT (WITHIN LIMITS SHOWN)

REMOVING SIGNS TYPE II

REMOVING CONDUIT

REMOVING CATCH BASINS

+77.63
33.29RT

+83.92
33.39RT

+91.29
37.71RT

EXLP3

+95.97
36.90RT

EXIST ROW

EXIST ROW

MICHIGAN STREET

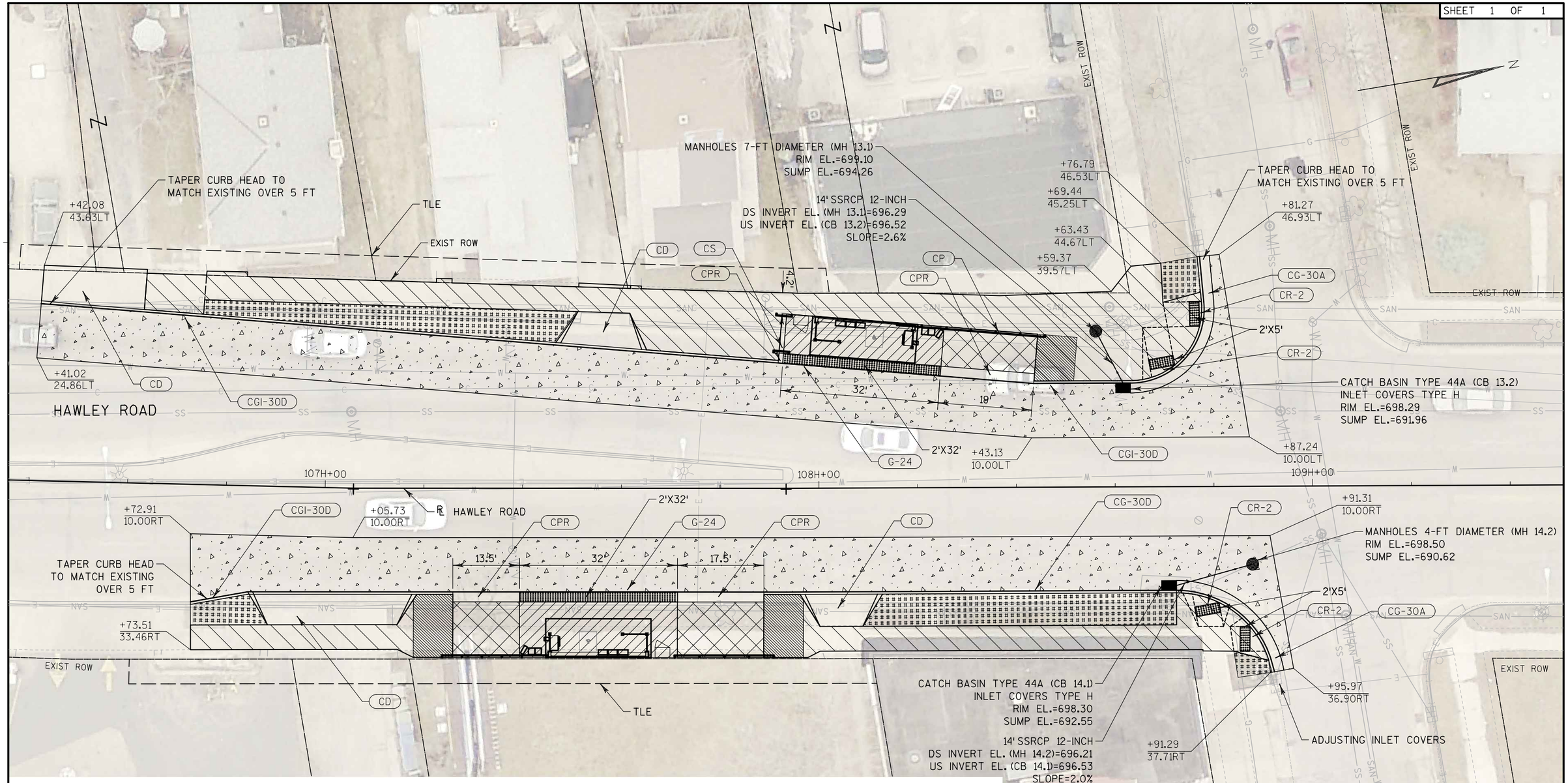
EXIST ROW

LEGEND

- REMOVING PAVEMENT
- REMOVING CURB
- REMOVING CURB & GUTTER
- REMOVING CONCRETE SIDEWALK
- XXXXX SAWING PAVEMENT
- × REMOVING TREE (PAID FOR AS CLEARING AND GRUBBING)
- INLET PROTECTION, TYPE B (UNLESS OTHERWISE NOTED)
- REMOVING LIGHT POLE AND BASE
- REMOVING SIGNAL
- REMOVING PUSH BUTTON
- REMOVING PULL BOX
- REMOVING CONDUIT
- REMOVING STORM SEWER PIPE

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 12 & 13: HAWLEY ROAD AT MICHIGAN STREET NB & SB	REMOVAL SHEETS	SHEET E

PRE_51



LEGEND

	REINFORCED CONCRETE PLATFORM	CD	CONCRETE DRIVEWAY 6-INCH
	CONCRETE PLATFORM RAMP	AP	ASPHALTIC SURFACE
	CONCRETE PAVEMENT 12-INCH	G-24	CONCRETE GUTTER 24-INCH (PAVED INTEGRAL TO LANE, SEE DETAIL)
	CONCRETE SIDEWALK 5-INCH	G-18	CONCRETE GUTTER 18-INCH (PAVED INTEGRAL TO LANE, SEE DETAIL)
	SOD LAWN	CG-18A	CONCRETE CURB AND GUTTER 18-INCH TYPE A
	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA	CG-30A	CONCRETE CURB AND GUTTER 30-INCH TYPE A
	LANDING AREA	CG-30D	CONCRETE CURB AND GUTTER 30-INCH TYPE D
	CONCRETE PAVEMENT 12-INCH, COLORED AND STAMPED	CGI-30D	CONCRETE CURB AND GUTTER INTEGRAL 30-INCH TYPE D

CG-24D	CONCRETE CURB AND GUTTER 24-INCH TYPE D		
CP	CONCRETE CURB PEDESTRIAN		
CPR	CONCRETE CURB PLATFORM RAMP (SEE DETAIL)		
CS	CONCRETE STEPS		
BR	BICYCLE RACK CONCRETE-MOUNTED		
CR-1A	CURB RAMP TYPE 1A		
CR-2	CURB RAMP TYPE 2		
CR-3	CURB RAMP TYPE 3		
CR-7A	CURB RAMP TYPE 7A		

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 12 & 13: HAWLEY ROAD AT MICHIGAN STREET NB & SB	SITE PLANS	SHEET E

PRE_52

Need to verify that min. is 4'. Please also indicate landing slopes - are they 1.5%? Is there just 1 ramp for this station? Please call out the landing.

+42.08
43.63LT
700.57
DWY

+41.67
36.44LT
699.94
BOC

+63.00
43.27LT
700.24
DWY

+75.05
43.23LT
700.07
BOW

+83.28
43.24LT
699.97
BOW

EXIST ROW

PROP TLE

+64.03
40.94LT
699.37
DWY

+51.36
41.53LT
699.29
DWY

+92.54
35.35LT
699.56
BOS

+91.90
27.38LT
699.44
BOS

+25.51
32.57LT
700.12
TOP

+93.63
35.28LT
700.32
TOP

+44.40
30.47LT
699.20
BOR

+02.13
40.58LT
699.03
BOW

+63.43
44.67LT
698.73
BOW

+59.37
39.57LT
698.91
BOW

32'

19'

5.3%

2.99%

1.5%

5'

2%

FLOW

+22.55
42.45LT
699.46
BOW

2.0%

+41.02
24.86LT
700.29
EOP

+73.90
22.99LT
699.99

+74.55
34.48LT
700.23
BOC

+25.69
42.41LT
699.38
BOW

+92.65
25.31LT
700.17
TOP

+24.67
22.61LT
699.97
TOP

+43.77
22.99LT
699.08
BOR

+23.73
11.65LT
698.98

+42.67
10.04LT
698.82

+43.13
10.00LT
698.81

+63.19
10.00LT
698.70

11'

R=15'
+52.24
46.00LT
FOC

PC RAD.
+63.19
19.00LT
698.52
FL

+69.44
45.25LT
698.51
BOT

+76.79
46.53LT
698.05
BOC

+79.28
46.75LT
697.74
FL

+81.27
46.93LT
697.84
EOP

PT RAD.
+80.12
37.55LT
697.93
FL

+87.24
10.00LT
698.68
EOP

VARIES

EXIST ROW

EXIST ROW

N

107H+00

108H+00

109H+00

℄ HAWLEY ROAD

HAWLEY ROAD

+72.91
10.00RT
700.01
EOP

+05.73
10.00RT
699.73

+25.85
10.00RT
699.62

+39.35
10.00RT
699.52

+71.36
10.00RT
699.46

+88.85
10.00RT
699.36

+72.33
10.00RT
698.70

PC RAD.
+72.33
19.00RT
698.52
FL

+91.31
10.00RT
698.64
EOP

6:1 TAPER

FLOW

+39.36
21.00RT
700.51
TOP

+71.36
21.00RT
700.45
TOP

+72.33
28.00RT
698.98
BOT

VARIES

4.8%

4.85%

4.88%

5.4%

1.5%

5'

0.6%

EXIST ROW

+73.27
24.30RT
699.92
BOC

+73.38
28.46RT
700.05
BOT

+73.50
33.49RT
700.13
BOW

+89.07
33.06RT
700.03
BOW

+14.58
32.61RT
699.76
BOW

1:1 TAPER

+25.86
23.00RT
699.88
BOR

13.5'

32'

17.5'

+39.36
34.25RT
700.66
TOP

+71.36
34.25RT
700.60
TOP

+25.86
34.25RT
700.00
BOR

+88.86
34.25RT
699.74
BOR

+08.79
33.00RT
699.47
BOW

+00.11
33.00RT
699.40
BOW

1:1 TAPER

+88.86
23.00RT
699.62
BOR

R=20'
+72.33
41.00RT
FOC

+77.63
33.29RT
698.90
BOW

+91.30
37.71RT
698.45
BOC

+95.97
36.90RT
698.18

PT RAD.
+94.00
37.24RT
698.12
FL

MICHIGAN STREET

EXIST ROW

EXIST ROW

MH

WV

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 12 & 13: HAWLEY ROAD AT MICHIGAN STREET NB & SB	GRADING PLANS	SHEET E

PRE_53

FILE NAME : \\aecompw05ics01\iCS_pdf_work_dir\9681\221962_129\021210_HAWLEY_SB_NB_3gd.dgn
PLOT DATE : 7/31/2019
PLOT BY : aecompw05ics01$
PLOT NAME :
PLOT SCALE : 20.00 sf / in.
WISDOT/CADDS SHEET 42

LEGEND

- REMOVING PAVEMENT
- REMOVING CURB
- REMOVING CURB & GUTTER
- REMOVING CONCRETE SIDEWALK
- XXXXX SAWING PAVEMENT
- × REMOVING TREE (PAID FOR AS CLEARING AND GRUBBING)
- INLET PROTECTION, TYPE B (UNLESS OTHERWISE NOTED)
- REMOVING LIGHT POLE AND BASE
- REMOVING SIGNAL
- REMOVING PUSH BUTTON
- REMOVING PULL BOX
- REMOVING CONDUIT
- REMOVING STORM SEWER PIPE

N

53RD STREET

EXIST ROW

+58.15 61.17LT

+50.60 61.17LT

+62.45 61.17LT

+68.22 61.17LT

+47.65 57.96LT

EXIST ROW

REMOVING CONDUIT

+47.65 52.34LT

+61.17 45.47LT

+61.17 26.00LT

+50.61 26.00LT

REMOVING SIDEWALK, CURB AND GUTTER, AND PAVEMENT (WITHIN LIMITS SHOWN)

112WB

113WB

114WB

℄ WISCONSIN AVENUE

WISCONSIN AVENUE

REMOVING SIDEWALK, CURB AND GUTTER, AND PAVEMENT (WITHIN LIMITS SHOWN)

+25.53 26.00RT

+42.21 26.00RT

+36.95 53.12RT

+23.53 45.50RT

+36.96 59.12RT

REMOVING CONDUIT

+14.61 64.15RT

+20.55 64.20RT

+28.89 64.27RT

+41.89 64.37RT

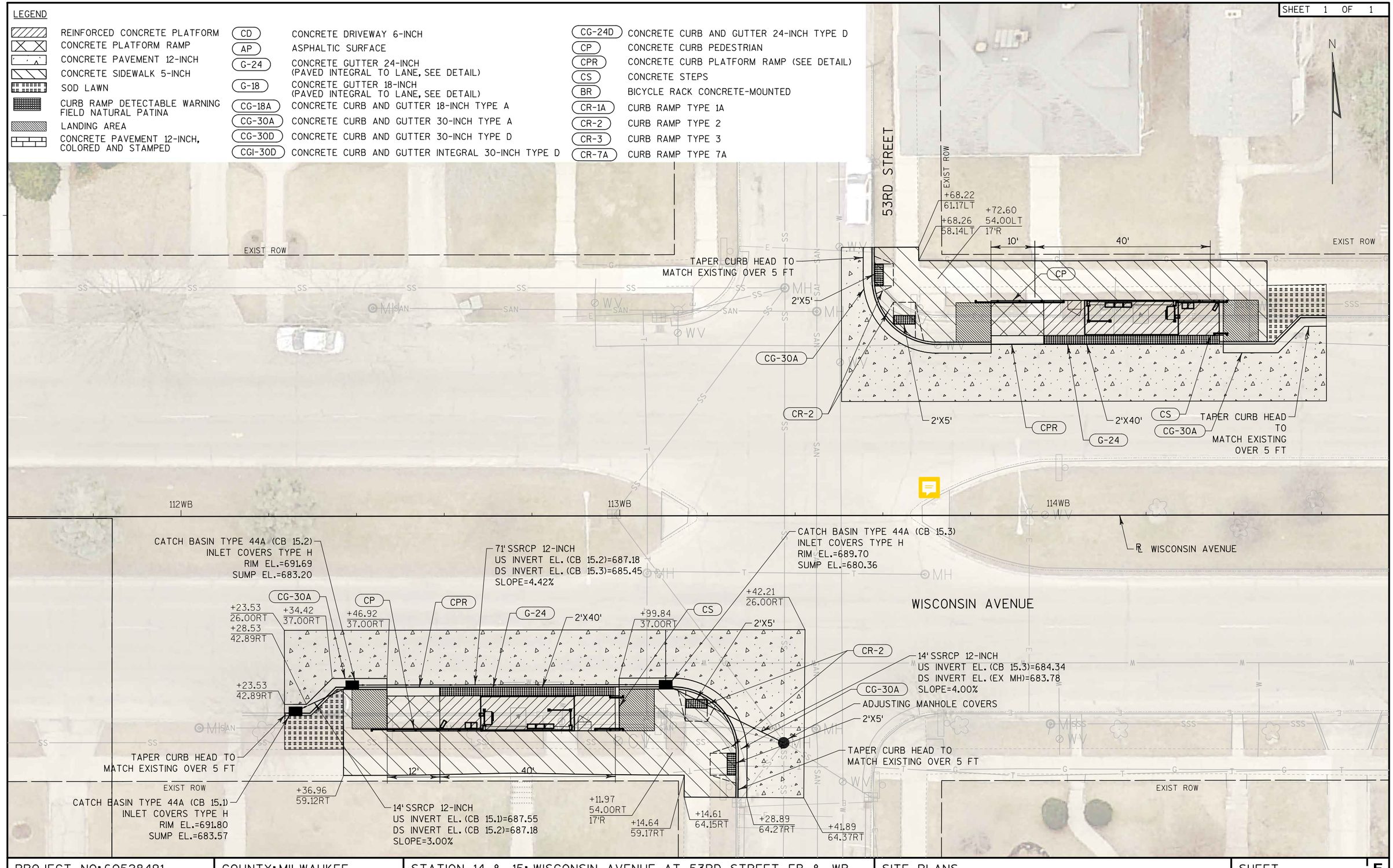
EXIST ROW

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 14 & 15: WISCONSIN AVENUE AT 53RD STREET EB & WB	REMOVAL SHEETS	SHEET E

PRE_54

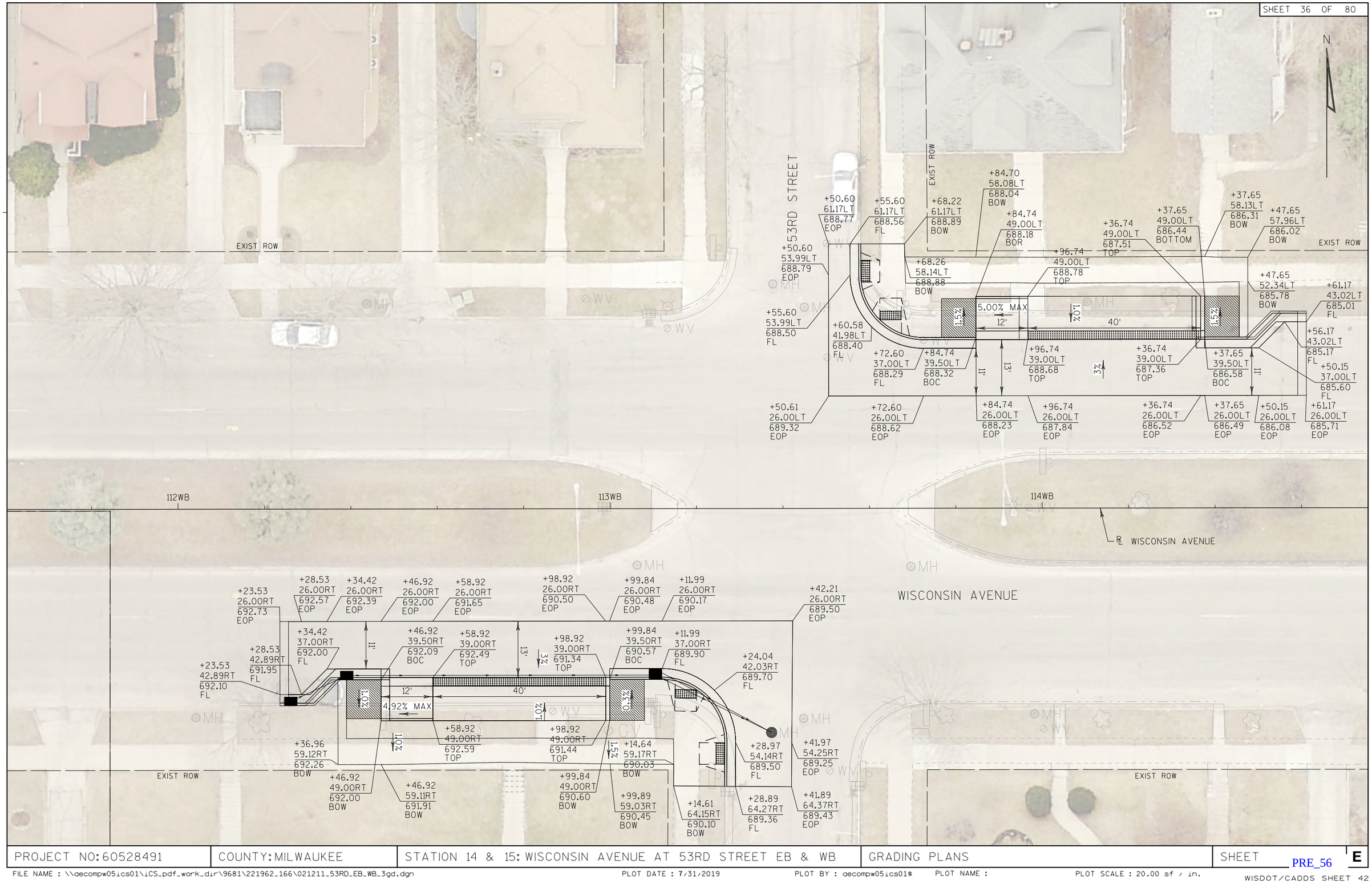
LEGEND

REINFORCED CONCRETE PLATFORM	CD	CONCRETE DRIVEWAY 6-INCH	CG-24D	CONCRETE CURB AND GUTTER 24-INCH TYPE D
CONCRETE PLATFORM RAMP	AP	ASPHALTIC SURFACE	CP	CONCRETE CURB PEDESTRIAN
CONCRETE PAVEMENT 12-INCH	G-24	CONCRETE GUTTER 24-INCH (PAVED INTEGRAL TO LANE, SEE DETAIL)	CPR	CONCRETE CURB PLATFORM RAMP (SEE DETAIL)
CONCRETE SIDEWALK 5-INCH	G-18	CONCRETE GUTTER 18-INCH (PAVED INTEGRAL TO LANE, SEE DETAIL)	CS	CONCRETE STEPS
SOD LAWN	CG-18A	CONCRETE CURB AND GUTTER 18-INCH TYPE A	BR	BICYCLE RACK CONCRETE-MOUNTED
CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA	CG-30A	CONCRETE CURB AND GUTTER 30-INCH TYPE A	CR-1A	CURB RAMP TYPE 1A
LANDING AREA	CG-30D	CONCRETE CURB AND GUTTER 30-INCH TYPE D	CR-2	CURB RAMP TYPE 2
CONCRETE PAVEMENT 12-INCH, COLORED AND STAMPED	CGI-30D	CONCRETE CURB AND GUTTER INTEGRAL 30-INCH TYPE D	CR-3	CURB RAMP TYPE 3
			CR-7A	CURB RAMP TYPE 7A



PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 14 & 15: WISCONSIN AVENUE AT 53RD STREET EB & WB	SITE PLANS	SHEET E

PRE_55



PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 14 & 15: WISCONSIN AVENUE AT 53RD STREET EB & WB	GRADING PLANS	SHEET E

PRE_56

LEGEND

- REMOVING PAVEMENT
- REMOVING CURB
- REMOVING CURB & GUTTER
- REMOVING CONCRETE SIDEWALK
- XXXXX SAWING PAVEMENT
- REMOVING TREE (PAID FOR AS CLEARING AND GRUBBING)
- INLET PROTECTION, TYPE B (UNLESS OTHERWISE NOTED)
- REMOVING LIGHT POLE AND BASE
- REMOVING SIGNAL
- REMOVING PUSH BUTTON
- REMOVING PULL BOX
- REMOVING CONDUIT
- REMOVING STORM SEWER PIPE

N

EXIST ROW

+44.22
49.80LT

REMOVING INLETS

SIGNAL POLE AND BASE TO REMAIN

+29.41
50.91LT

EXIST ROW

XXXXX

+44.49
17.64LT

+30.70
21.11LT

REMOVING SIDEWALK, CURB & GUTTER, AND PAVEMENT (WITHIN LIMITS SHOWN)

WISCONSIN AVENUE

140WB

141WB

142WB

℄ WISCONSIN AVENUE

REMOVING SIDEWALK, CURB & GUTTER, AND PAVEMENT (WITHIN LIMITS SHOWN)

+54.57
24.97RT

+82.27
25.43RT

SIGNAL POLE AND BASE TO REMAIN

+83.25
50.50RT

+79.43
59.85RT

+84.79
63.84RT

+82.41
67.05RT

+75.70
63.65RT

+54.72
55.01RT

EXLP1

REMOVING INLETS

+85.76
64.48RT

+76.26
73.43RT

+73.02
69.60RT

+57.08
62.45RT

EXLP2

REMOVING CONDUIT

REMOVING CONDUIT

EXISTING LIGHT POLE SHALL REMAIN OPERATIONAL THROUGH CONSTRUCTION. LIGHT POLE AND BASE TO BE REMOVED ONCE PROPOSED LIGHTING SYSTEM IS OPERATIONAL.

45TH STREET

EXIST ROW

EXIST ROW

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 16 & 17: WISCONSIN AVENUE AT 45TH STREET WB & EB	REMOVAL SHEETS	SHEET E

PRE_57

LEGEND

- REINFORCED CONCRETE PLATFORM
- CONCRETE PLATFORM RAMP
- CONCRETE PAVEMENT 12-INCH
- CONCRETE SIDEWALK 5-INCH
- SOD LAWN
- CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
- LANDING AREA
- CONCRETE PAVEMENT 12-INCH, COLORED AND STAMPED

- CD — CONCRETE DRIVEWAY 6-INCH
- AP — ASPHALTIC SURFACE
- G-24 — CONCRETE GUTTER 24-INCH (PAVED INTEGRAL TO LANE, SEE DETAIL)
- G-18 — CONCRETE GUTTER 18-INCH (PAVED INTEGRAL TO LANE, SEE DETAIL)
- CG-18A — CONCRETE CURB AND GUTTER 18-INCH TYPE A
- CG-30A — CONCRETE CURB AND GUTTER 30-INCH TYPE A
- CG-30D — CONCRETE CURB AND GUTTER 30-INCH TYPE D
- CGI-30D — CONCRETE CURB AND GUTTER INTEGRAL 30-INCH TYPE D
- CG-24D — CONCRETE CURB AND GUTTER 24-INCH TYPE D
- CP — CONCRETE CURB PEDESTRIAN
- CPR — CONCRETE CURB PLATFORM RAMP (SEE DETAIL)
- CS — CONCRETE STEPS
- BR — BICYCLE RACK CONCRETE-MOUNTED
- CR-1A — CURB RAMP TYPE 1A
- CR-2 — CURB RAMP TYPE 2
- CR-3 — CURB RAMP TYPE 3
- CR-7A — CURB RAMP TYPE 7A

N

EXIST ROW

ADJUSTING MANHOLE COVERS

+44.22
49.80LT

BR

CP

ADJUSTING MANHOLE COVERS

15'

40'

25'

+29.41
50.91LT

EXIST ROW

TAPER CURB HEAD TO MATCH EXISTING OVER 5 FT

+49.29
39.49LT

CG-30A

+25.50△
34.89LT

+16.37△
31.76LT

+24.91
41.00LT

CG-30A

TAPER CURB HEAD TO MATCH EXISTING OVER 5 FT

+44.49
17.64LT

CATCH BASIN TYPE 44A (CB 16.1)
INLET COVERS TYPE H
RIM EL.= 665.80
SUMP EL.= 657.57

CPR

2'X52'

3LF SSRCP 12-INCH
US EL. = 661.55
DS EL. = 661.52
SLOPE = 1.00%

G-24

CPR

CP

2'X5'

CR-2

+30.70
21.11LT

WISCONSIN AVENUE

140WB

141WB

142WB

℄ WISCONSIN AVENUE

CATCH BASIN TYPE 44A (CB 17.1)
INLET COVERS TYPE H
RIM EL.= 664.56
SUMP EL.= 655.83

41LF SSPC 12-INCH
US EL. = 659.81
DS EL. = 657.71
SLOPE = 5.12%

+54.57
24.97RT

CG-30A

G-24

CS

+82.27
25.43RT

+58.50
45.79RT
8'R

+74.59
46.22RT
8'R

2'X32'

2'X5'

CG-30A

CR-2

18'

32'

CR-2

+54.72
55.01RT

2'X5'

+83.25
50.50RT

+79.43
59.85RT

+84.29
60.17RT

+16.53
59.99RT

+16.56
64.99RT

CP

+26.53
59.94RT

+51.20
59.81RT

+26.56
64.94RT

2'X5'

+84.79
63.84RT

+85.76
64.48RT

BR

+73.02
69.60RT

+75.70
63.65RT

+82.41
67.05RT

+76.26
73.43RT

TAPER CURB HEAD TO MATCH EXISTING OVER 5 FT

+57.08
62.45RT

TAPER CURB HEAD TO MATCH EXISTING OVER 5 FT

45TH STREET

EXIST ROW

EXIST ROW

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 16 & 17: WISCONSIN AVENUE AT 45TH STREET WB & EB	SITE PLANS	SHEET E

PRE_58

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\AECOM\Sheets\021212_45TH_EB_WB_2sp.dgrPLOT DATE : 7/31/2019 PLOT BY : mrozz PLOT NAME : PLOT SCALE : 20.00 sf / in.

WISDOT/CADDS SHEET 42

N

EXIST ROW

EXIST ROW

+44.22
49.80LT
666.83
BOW

+44.27
42.10LT
666.49
BOC

+44.29
39.46LT
666.33
FL

+49.45
39.47LT
666.28
FL

+44.49
17.64LT
666.55
EOP

WISCONSIN AVENUE

+10.34
50.55LT
666.31
BOW

+10.44
41.80LT
666.43
BOR

+25.44
41.89LT
667.12
TOP

+10.29
34.31LT
666.32
BOC

+09.98
31.83LT
665.90

+25.50
31.89LT
666.97
TOP

+10.10
18.22LT
666.17
EOP

+25.77
18.13LT
666.03
EOP

1.5%
1.5%
1.5%
15'
4.60% MAX
40'
1.5%
1.5%
25'
13.6'
13.5'
2%

+49.61
50.90LT
665.98
BOW

+65.44
42.12LT
666.76
TOP

+85.19
51.14LT
665.73
BOW

+88.65
51.15LT
665.70
BOW

+89.01
42.17LT
665.65
BOR

+65.50
32.12LT
666.61
TOP

+65.58
18.71LT
665.67
EOP

+89.47
30.68LT
665.17
FL

+89.92
19.36LT
665.40
EOP

+89.37
33.18LT
665.59
BOC

4.44% MAX
1.5%
13.4'
11.3'

+29.51
50.94LT
665.22
BOW

+29.79
43.80LT
664.97
BOC

+29.91
40.99LT
664.71
FL

1:1 TAPER

+24.91
41.00LT
664.74
FL

+30.70
21.11LT
664.98
EOP

+16.37
31.76LT
664.86
FL

140WB

141WB

142WB

R WISCONSIN AVENUE

+54.57
24.97RT
665.53
EOP

+74.55
38.22RT
665.21
FL

+91.43
25.14RT
665.36
EOP

+09.31
25.23RT
665.25
EOP

+41.33
25.38RT
665.08
EOP

+58.46
37.79RT
664.75
FL

+82.27
25.43RT
664.96
EOP

[redacted]

+91.26
40.63RT
665.52
BOC

+09.26
40.04RT
666.16
TOP

+41.26
39.88RT
666.00
TOP

+42.18
40.37RT
665.25
BOC

13'
2%
14.7'
12.5'

1.0%
18'
4.01% MAX
32'
1.5%
1.5%

+03.25
50.50RT
664.48
EOP

[redacted]

+54.72
55.01RT
664.68
EOP

+09.31
50.04RT
666.31
TOP

+41.31
49.88RT
666.15
TOP

1.5%
1.5%

+65.80
49.06RT
664.62
FL

[redacted]

+91.31
50.13RT
665.43
BOR

+91.36
60.13RT
665.28
BOW

+42.23
49.87RT
665.39
BOTTOM

+51.24
59.83RT
665.03
BOW

+42.28
59.86RT
665.24
BOW

+57.06
62.44RT
664.88
BOC

+73.02
69.60RT
664.29
EOP

+59.34
63.46RT
664.50
FL

45TH STREET

+72.59
55.22RT
664.79
FL

73.43RT
664.13
EOP

+83.79
66.33RT
664.46
FL

+85.76
64.48RT
665.02
BOC

EXIST ROW

EXIST ROW

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 16 & 17: WISCONSIN AVENUE AT 45TH STREET WB & EB	GRADING PLANS	SHEET E

PRE_59

N

EXIST ROW

REMOVING CONDUIT

+06.51
51.60LT

REMOVING LIGHT POLE AND BASE

REMOVING CONDUIT

+11.46
51.39LT

+06.50
45.69LT

+11.46
45.48LT

EXLP1

EXLP2

EXPB1

+14.80
39.87LT

EXLP3

+09.46
40.10LT

+09.46
27.50LT

REMOVING SIDEWALK, CURB AND GUTTER, AND PAVEMENT (WITHIN LIMITS SHOWN)

+14.80
27.50LT

PULL BOX TO REMAIN

35TH STREET

EXIST ROW

WISCONSIN AVENUE

170WB

171WB

172WB

173WB

℄ WISCONSIN AVENUE

SEE STATION: WISCONSIN AVENUE AT 35TH STREET EB

EXIST ROW

EXIST ROW

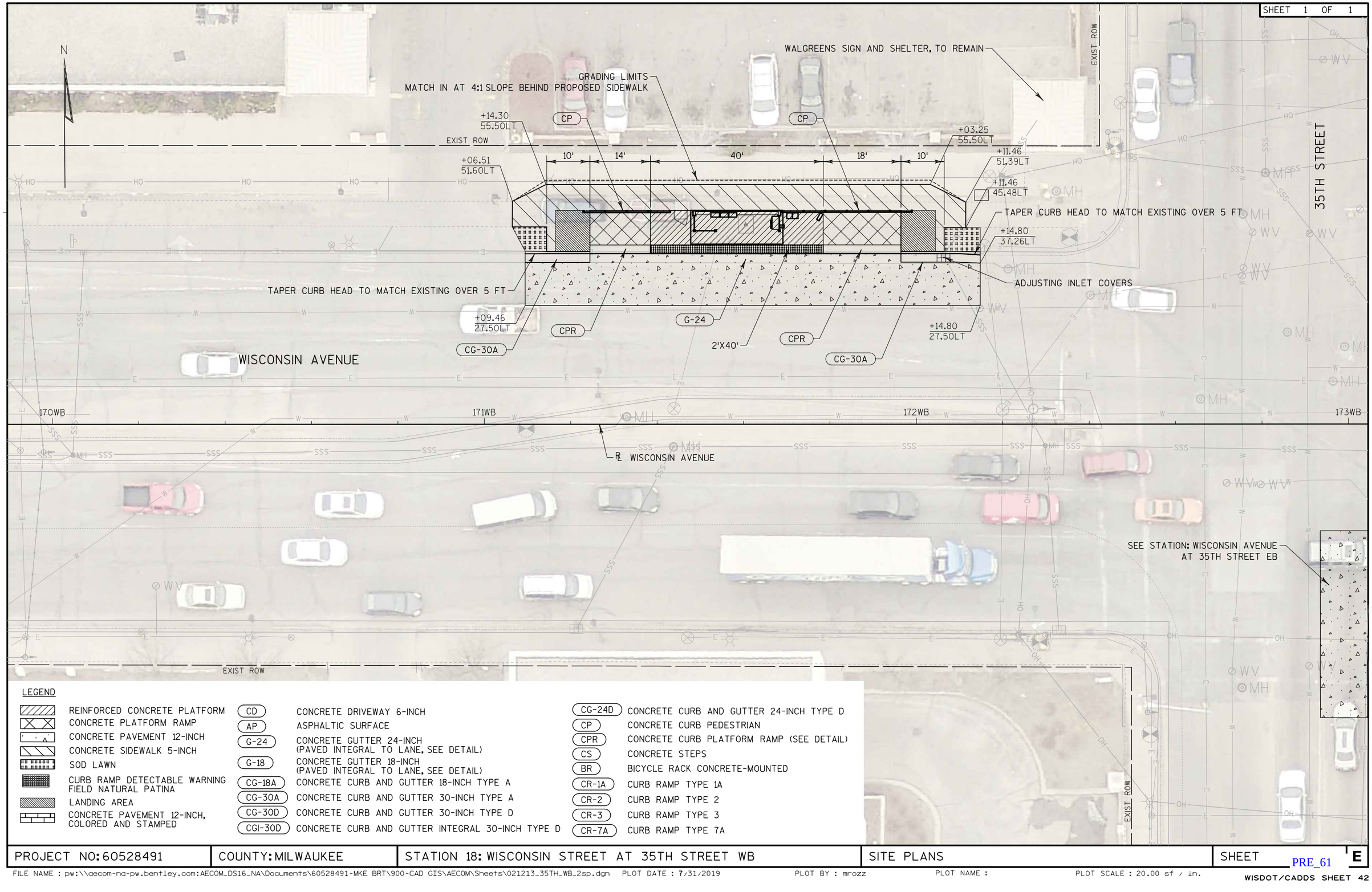
LEGEND

- REMOVING PAVEMENT
- REMOVING CURB
- REMOVING CURB & GUTTER
- REMOVING CONCRETE SIDEWALK
- XXXXX SAWING PAVEMENT
- × REMOVING TREE (PAID FOR AS CLEARING AND GRUBBING)
- INLET PROTECTION, TYPE B (UNLESS OTHERWISE NOTED)
- REMOVING LIGHT POLE AND BASE
- REMOVING SIGNAL
- REMOVING PUSH BUTTON
- REMOVING PULL BOX
- REMOVING CONDUIT
- REMOVING STORM SEWER PIPE

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 18: WISCONSIN STREET AT 35TH STREET WB	REMOVAL SHEETS	SHEET E

PRE_60

FILE NAME : \\aecompw05ics01\iCS_pdf_work_dir\9681\221962_149\021213_35TH_WB_1rm.dgn
PLOT DATE : 7/31/2019
PLOT BY : aecompw05ics01$
PLOT NAME :
PLOT SCALE : 20.00 sf / in.
WISDOT/CADDS SHEET 42



LEGEND

REINFORCED CONCRETE PLATFORM	CD	CONCRETE DRIVEWAY 6-INCH	CG-24D CONCRETE CURB AND GUTTER 24-INCH TYPE D
CONCRETE PLATFORM RAMP	AP	ASPHALTIC SURFACE	CP CONCRETE CURB PEDESTRIAN
CONCRETE PAVEMENT 12-INCH	G-24	CONCRETE GUTTER 24-INCH (PAVED INTEGRAL TO LANE, SEE DETAIL)	CPR CONCRETE CURB PLATFORM RAMP (SEE DETAIL)
CONCRETE SIDEWALK 5-INCH			CS CONCRETE STEPS
SOD LAWN	G-18	CONCRETE GUTTER 18-INCH (PAVED INTEGRAL TO LANE, SEE DETAIL)	BR BICYCLE RACK CONCRETE-MOUNTED
CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA	CG-18A	CONCRETE CURB AND GUTTER 18-INCH TYPE A	CR-1A CURB RAMP TYPE 1A
LANDING AREA	CG-30A	CONCRETE CURB AND GUTTER 30-INCH TYPE A	CR-2 CURB RAMP TYPE 2
CONCRETE PAVEMENT 12-INCH, COLORED AND STAMPED	CG-30D	CONCRETE CURB AND GUTTER 30-INCH TYPE D	CR-3 CURB RAMP TYPE 3
	CGI-30D	CONCRETE CURB AND GUTTER INTEGRAL 30-INCH TYPE D	CR-7A CURB RAMP TYPE 7A

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 18: WISCONSIN STREET AT 35TH STREET WB	SITE PLANS	SHEET E

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\AECOM\Sheets\021213_35TH_WB_2sp.dgn PLOT DATE : 7/31/2019 PLOT BY : mrozz PLOT NAME : PLOT SCALE : 20.00 sf / in.

N

EXIST ROW

+14.30
55.50LT
686.16
BOW

+06.51
51.60LT
686.02
BOW

+06.50
45.69LT
686.02
BOT

+09.46
40.10LT
685.94
BOC

+09.46
37.47LT
685.50
FL

+14.46
40.00LT
685.93
BOC

+09.46
27.50LT
685.73
EOP

2:1 TAPER

+14.46
45.68LT
686.01
BOT

+24.46
49.00LT
686.01
BOR

+24.46
41.50LT
685.89
BOR

+38.46
49.50LT
686.69
TOP

+06.46
45.49LT
685.47
BOT

+96.46
49.00LT
685.57
BOR

+96.46
41.50LT
685.45
BOR

+78.46
49.50LT
686.44
TOP

1.5%

4.82%

4.80%

2%

FLOW

10'

12'

12'

10'

+38.46
39.50LT
686.54
TOP

+78.46
39.50LT
686.29
TOP

+24.46
27.50LT
685.65

+38.46
27.50LT
685.57

+78.46
27.50LT
685.32

+96.46
27.50LT
685.21

14'

40'

18'

EXIST ROW

+03.25
55.50LT
685.63
BOW

+11.46
51.39LT
685.68
BOW

+11.46
45.48LT
685.57
BOT

+14.80
39.87LT
685.42
BOC

+14.80
37.26LT
684.96
FL

+14.80
27.50LT
685.11
EOP

+06.46
40.00LT
685.39
BOC

35TH STREET

WISCONSIN AVENUE

170WB

171WB

172WB

173WB

℄ WISCONSIN AVENUE

SEE STATION 19: WISCONSIN AVENUE AT 35TH STREET EB

EXIST ROW

EXIST ROW

PROJECT NO:60528491	COUNTY:MILWAUKEE	STATION 18: WISCONSIN STREET AT 35TH STREET WB	GRADING PLANS	SHEET E

PRE_62

FILE NAME : \\aecompw05ics01\iCS_pdf_work_dir\9681\221962_170\021213_35TH_WB_3gd.dgn PLOT DATE : 7/31/2019 PLOT BY : aecompw05ics01$ PLOT NAME : PLOT SCALE : 20.00 sf / in.

35TH STREET

EXIST ROW

EXIST ROW

N

WISCONSIN AVENUE

173WB

174WB

175WB

℄ WISCONSIN AVENUE

PULL BOX TO REMAIN

REMOVING SIDEWALK, CURB & GUTTER, AND PAVEMENT (WITHIN THE LIMITS SHOWN)

REMOVING PULL BOX

REMOVING LIGHT POLE AND BASE

+93.46
24.73RT

+86.70
24.79RT

PULL BOX TO REMAIN

EXPB1
EXLP1

+86.32
48.97RT

EXPB2
+14.39
48.93RT

EXLP2

EXPB3

EXLP3
+86.70
44.61RT

+13.86
55.02RT

+39.85
54.99RT

+93.54
68.01RT

+13.85
68.07RT

REMOVING CONDUIT

REMOVING INLETS

EXIST ROW

EXIST ROW

REMOVING SIGNS TYPE II

REMOVING CONDUIT

LANDSCAPING BETWEEN SIDEWALK AND FENCE TO REMAIN

REMOVING CONDUIT

LIGHT POLE AND SIGNAL TO REMAIN

REMOVING SIGNS TYPE II

EXIST ROW

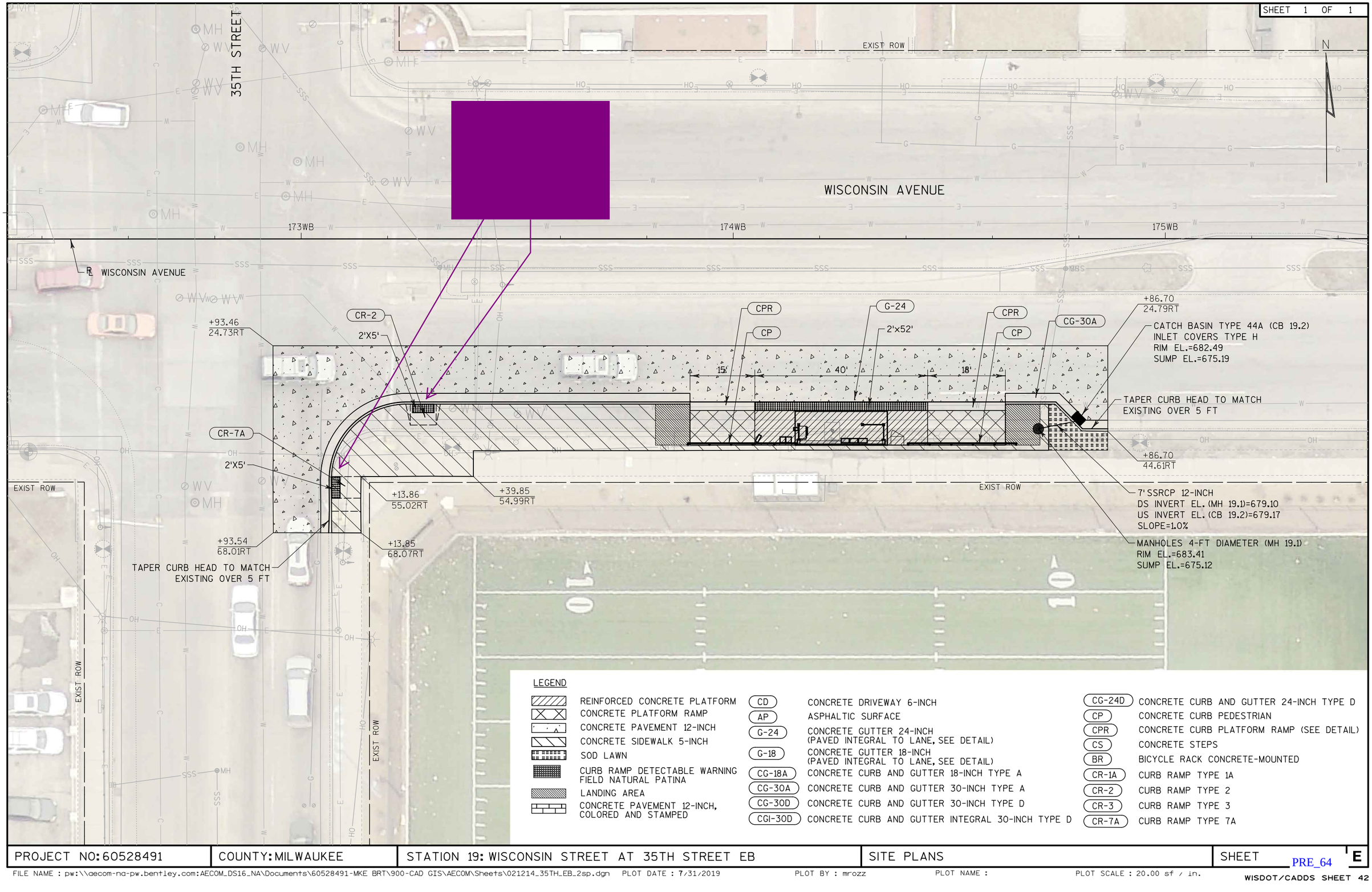
EXIST ROW

LEGEND

- REMOVING PAVEMENT
- REMOVING CURB
- REMOVING CURB & GUTTER
- REMOVING CONCRETE SIDEWALK
- XXXXX SAWING PAVEMENT
- × REMOVING TREE (PAID FOR AS CLEARING AND GRUBBING)
- INLET PROTECTION, TYPE B (UNLESS OTHERWISE NOTED)
- REMOVING LIGHT POLE AND BASE
- REMOVING SIGNAL
- REMOVING PUSH BUTTON
- REMOVING PULL BOX
- REMOVING CONDUIT
- REMOVING STORM SEWER PIPE

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 19: WISCONSIN STREET AT 35TH STREET EB	REMOVAL SHEETS	SHEET E

PRE_63



LEGEND

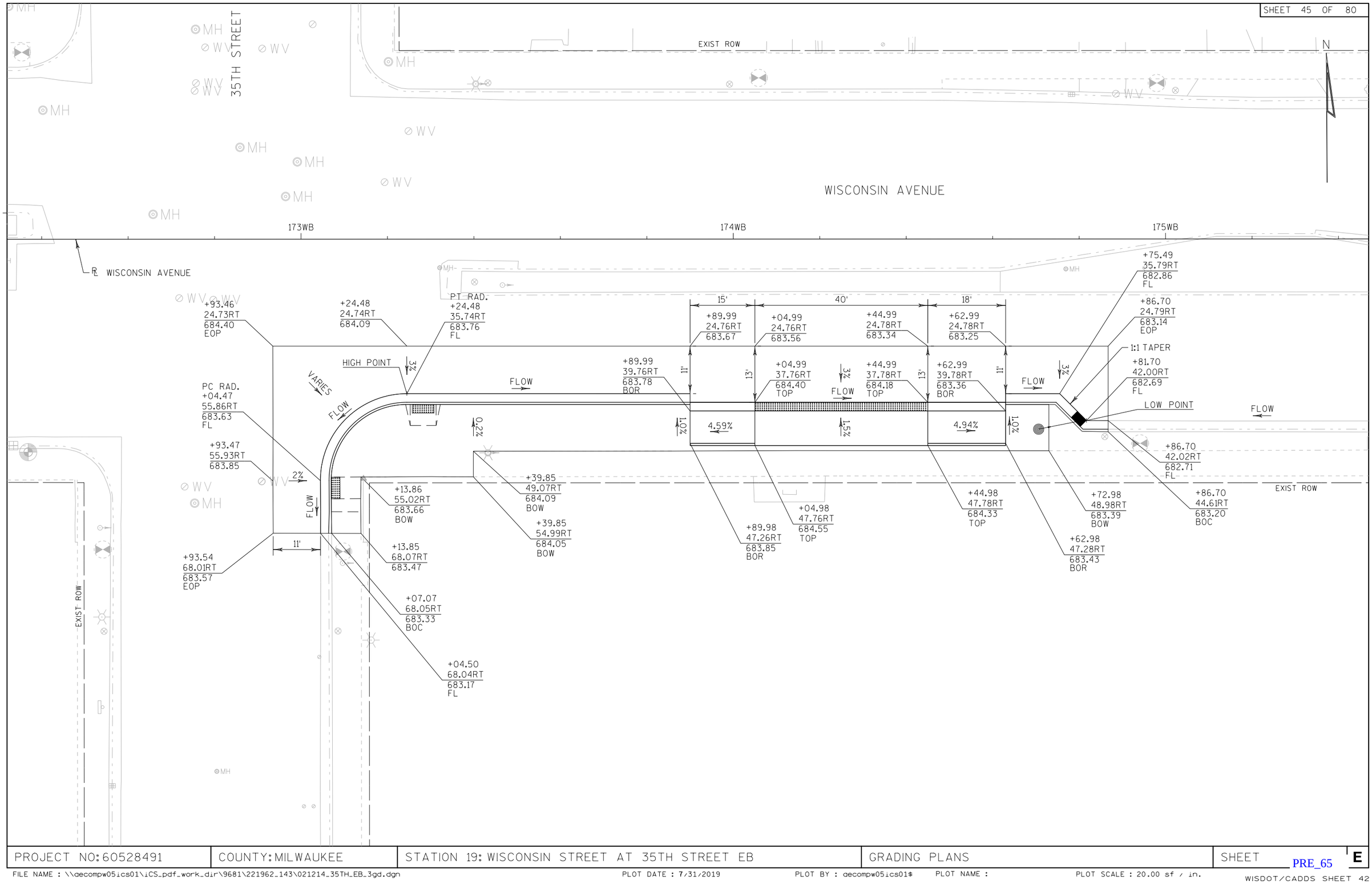
- REINFORCED CONCRETE PLATFORM
- CONCRETE PLATFORM RAMP
- CONCRETE PAVEMENT 12-INCH
- CONCRETE SIDEWALK 5-INCH
- SOD LAWN
- CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
- LANDING AREA
- CONCRETE PAVEMENT 12-INCH, COLORED AND STAMPED

CD	CONCRETE DRIVEWAY 6-INCH
AP	ASPHALTIC SURFACE
G-24	CONCRETE GUTTER 24-INCH (PAVED INTEGRAL TO LANE, SEE DETAIL)
G-18	CONCRETE GUTTER 18-INCH (PAVED INTEGRAL TO LANE, SEE DETAIL)
CG-18A	CONCRETE CURB AND GUTTER 18-INCH TYPE A
CG-30A	CONCRETE CURB AND GUTTER 30-INCH TYPE A
CG-30D	CONCRETE CURB AND GUTTER 30-INCH TYPE D
CGI-30D	CONCRETE CURB AND GUTTER INTEGRAL 30-INCH TYPE D
CG-24D	CONCRETE CURB AND GUTTER 24-INCH TYPE D
CP	CONCRETE CURB PEDESTRIAN
CPR	CONCRETE CURB PLATFORM RAMP (SEE DETAIL)
CS	CONCRETE STEPS
BR	BICYCLE RACK CONCRETE-MOUNTED
CR-1A	CURB RAMP TYPE 1A
CR-2	CURB RAMP TYPE 2
CR-3	CURB RAMP TYPE 3
CR-7A	CURB RAMP TYPE 7A

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 19: WISCONSIN STREET AT 35TH STREET EB	SITE PLANS	SHEET E

PRE_64

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\AECOM\Sheets\021214_35TH_EB_2sp.dgn PLOT DATE : 7/31/2019 PLOT BY : mrozz PLOT NAME : PLOT SCALE : 20.00 sf / in.



PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 19: WISCONSIN STREET AT 35TH STREET EB	GRADING PLANS	SHEET E

PRE_65

N

EXIST ROW

BUS SHELTER TO REMAIN

LIGHT POLES AND SIGNALS TO REMAIN

+15.75
54.94LT

DECORATIVE PILLARS AND FENCE TO REMAIN

REMOVING LIGHT POLE AND BASE

REMOVING PULL BOX

+84.17
43.16LT

REMOVING CONDUIT

REMOVING LIGHT POLE AND BASE

REMOVING PULL BOX

REMOVING CONDUIT

+15.83
43.37LT

+33.17
54.97LT

27TH STREET

EXPB1

+84.18
32.83LT

EXLP1

+84.17
38.08LT

EXPB2

EXLP2

EXPB3

EXLP3

EXPB4

EXLP4

WISCONSIN AVENUE

+84.21
13.27LT

REMOVING SIDEWALK, CURB & GUTTER, AND PAVEMENT (WITHIN THE LIMITS SHOWN)

REMOVING CONDUIT

UTILITY CABINET TO REMAIN

+33.46
13.15LT

197WB

198WB

199WB

℄ WISCONSIN AVENUE

SEE STATION: WISCONSIN AVENUE AT 27TH STREET EB

EXIST ROW

EXIST ROW

LEGEND

- REMOVING PAVEMENT
- REMOVING CURB
- REMOVING CURB & GUTTER
- REMOVING CONCRETE SIDEWALK
- XXXXX SAWING PAVEMENT
- × REMOVING TREE (PAID FOR AS CLEARING AND GRUBBING)
- INLET PROTECTION, TYPE B (UNLESS OTHERWISE NOTED)
- REMOVING LIGHT POLE AND BASE
- REMOVING SIGNAL
- REMOVING PUSH BUTTON
- REMOVING PULL BOX
- REMOVING CONDUIT
- REMOVING STORM SEWER PIPE

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 20: WISCONSIN AVENUE AT 27TH STREET WB	REMOVAL SHEETS	SHEET E

FILE NAME : \\aecompw05ics01\iCS_pdf_work_dir\9681\221962_136\021215_27TH_WB_1rm.dgn PLOT DATE : 7/31/2019 PLOT BY : aecompw05ics01$ PLOT NAME : PLOT SCALE : 20.00 sf / in.

WISDOT/CADDS SHEET 42

N

EXIST ROW

+84.17
43.16LT

+95.57
33.58LT

20'

40'

15'

+84.18
32.83LT

CG-30A

TAPER CURB HEAD TO MATCH
EXISTING OVER 5 FT

+89.19
30.18LT

+84.21
13.27LT

WISCONSIN AVENUE

+94.54
24.84LT

+87.54
24.86LT

2'x40'

G-24

CP

CPR

+82.51
24.97LT

+85.39
25.01LT

EXIST ROW

TAPER CURB HEAD TO MATCH
EXISTING OVER 5 FT

+15.75
54.94LT

ADJUSTING MANHOLE
COVERS
+05.34
45.01LT
20'R

+33.17
54.97LT

CG-30A

+15.83
43.37LT

CR-1A

2'X5'

COLORING CONCRETE CUSTOM

ADJUSTING MANHOLE
COVERS

+33.46
13.15LT

27TH

197WB

198WB

199WB

℄ WISCONSIN AVENUE

SEE STATION: WISCONSIN AVENUE
AT 27TH STREET EB

EXIST ROW

EXIST ROW

LEGEND

REINFORCED CONCRETE PLATFORM	CD	CONCRETE DRIVEWAY 6-INCH	CG-24D	CONCRETE CURB AND GUTTER 24-INCH TYPE D
CONCRETE PLATFORM RAMP	AP	ASPHALTIC SURFACE	CP	CONCRETE CURB PEDESTRIAN
CONCRETE PAVEMENT 12-INCH	G-24	CONCRETE GUTTER 24-INCH (PAVED INTEGRAL TO LANE, SEE DETAIL)	CPR	CONCRETE CURB PLATFORM RAMP (SEE DETAIL)
CONCRETE SIDEWALK 5-INCH	G-18	CONCRETE GUTTER 18-INCH (PAVED INTEGRAL TO LANE, SEE DETAIL)	CS	CONCRETE STEPS
SOD LAWN	CG-18A	CONCRETE CURB AND GUTTER 18-INCH TYPE A	BR	BICYCLE RACK CONCRETE-MOUNTED
CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA	CG-30A	CONCRETE CURB AND GUTTER 30-INCH TYPE A	CR-1A	CURB RAMP TYPE 1A
LANDING AREA	CG-30D	CONCRETE CURB AND GUTTER 30-INCH TYPE D	CR-2	CURB RAMP TYPE 2
CONCRETE PAVEMENT 12-INCH, COLORED AND STAMPED	CGI-30D	CONCRETE CURB AND GUTTER INTEGRAL 30-INCH TYPE D	CR-3	CURB RAMP TYPE 3
			CR-7A	CURB RAMP TYPE 7A

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 20: WISCONSIN AVENUE AT 27TH STREET WB	SITE PLANS	SHEET E

PRE_67

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\AECOM\Sheets\021215_27TH_WB_2sp.dgn PLOT DATE : 7/31/2019 PLOT BY : mrozz PLOT NAME : PLOT SCALE : 20.00 sf / in.

N

EXIST ROW

WISCONSIN AVENUE

+84.17
38.07LT
688.76
SDWK

+84.18
32.83LT
688.55
BOC

+84.19
30.17LT
688.16
FL

+89.19
30.18LT
688.20
FL

+84.21
13.32LT
688.54
EOP

1:1 TAPER

+84.17
43.16LT
688.81
BOW

+07.52
36.86LT
689.03
BOR

+95.57
33.58LT
688.82
SDWK

+94.54
24.84LT
688.34
FL

1.0%

0.8%

11.6'

20'

5.00% MAX

+07.52
43.17LT
689.02
BOW

+27.51
36.89LT
690.03
TOP

+07.54
27.36LT
688.95
BOC

+07.53
13.29LT
688.76
EOP

13.6'

+27.52
26.89LT
689.88
TOP

+27.51
13.27LT
688.95
EOP

1.5%

2%

40'

+67.51
36.95LT
690.51
TOP

+67.51
13.22LT
689.43
EOP

13.7'

1.5%

15'

4.93% MAX

+82.47
43.18LT
689.86
BOW

+67.52
26.95LT
690.36
TOP

+82.50
13.21LT
689.64
EOP

11.8'

0.3%

+82.50
36.97LT
689.84
BOR

+82.51
27.47LT
689.82
BOC

+05.39
25.01LT
689.64
FL

+05.38
13.18LT
689.94
EOP

+15.83
43.37LT
690.35
BOW

+15.75
54.94LT
690.48
BOW

EXIST ROW

+22.70
54.95LT
690.31
BOC

+25.38
54.96LT
689.79
FL

+33.17
54.97LT
690.25
EOP

+25.34
44.94LT
689.98
FL

+19.47
30.86LT
689.88
FL

+33.46
13.15LT
690.46
EOP

27TH STREET

197WB

198WB

199WB

℄ WISCONSIN AVENUE

SEE STATION: WISCONSIN AVENUE
AT 27TH STREET EB

EXIST ROW

EXIST ROW

MH

WV

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 20: WISCONSIN AVENUE AT 27TH STREET WB	GRADING PLANS	SHEET E

PRE_68

FILE NAME : \\aecompw05ics01\iCS_pdf_work_dir\9681\221962_168\021215_27TH_WB_3gd.dgn PLOT DATE : 7/31/2019 PLOT BY : aecompw05ics01$ PLOT NAME : PLOT SCALE : 20.00 sf / in.

N

27TH STREET

EXIST ROW

EXIST ROW

EXIST ROW

EXPB7

SEE STATION: WISCONSIN AVENUE AT 27TH STREET WB

WISCONSIN AVENUE

199WB

200WB

201WB

℄ WISCONSIN AVENUE

EXPB6

REMOVING CONDUIT

REMOVING LIGHT POLE AND BASE

+63.06
25.59RT

REMOVING PULL BOX

REMOVING LIGHT POLE AND BASE

REMOVING PULL BOX

+15.48
25.21RT

+15.52
44.97RT

EXPB2

EXLP2

EXPB3

EXLP3

EXPB4

+15.54
50.06RT

EXPB5

EXLP4

EXLP1

EXPB1

EXIST ROW

+62.40
62.89RT

+80.94
55.07RT

+80.87
62.86RT

REMOVING CONDUIT

REMOVING INLETS

REMOVING PULL BOX

PEDESTRIAN C&G TO REMAIN

REMOVING CONDUIT

REMOVING CONDUIT

REMOVING SIDEWALK CURB & GUTTER, AND PAVEMENT (WITHIN THE LIMITS SHOWN)

REMOVING CONDUIT

+15.55
54.87RT

REMOVING SIGNS TYPE II

EXIST ROW

REMOVING CONDUIT

EXIST ROW

EXIST ROW

LEGEND

- REMOVING PAVEMENT
- REMOVING CURB
- REMOVING CURB & GUTTER
- REMOVING CONCRETE SIDEWALK
- XXXXX SAWING PAVEMENT
- REMOVING TREE (PAID FOR AS CLEARING AND GRUBBING)
- INLET PROTECTION, TYPE B (UNLESS OTHERWISE NOTED)
- REMOVING LIGHT POLE AND BASE
- REMOVING SIGNAL
- REMOVING PUSH BUTTON
- REMOVING PULL BOX
- REMOVING CONDUIT
- REMOVING STORM SEWER PIPE

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 21: WISCONSIN AVENUE AT 27TH STREET EB	REMOVAL SHEETS	SHEET E

PRE_69

N

EXIST ROW

27TH STREET

EXIST ROW

EXIST ROW

EXIST ROW

SEE STATION: WISCONSIN AVENUE AT 27TH STREET WB

WISCONSIN AVENUE

199WB

200WB

201WB

℄ WISCONSIN AVENUE

ADJUSTING MANHOLE COVERS

+63.06
25.59RT

+90.32
37.10RT

COLORING CONCRETE CUSTOM

CR-1A
2'X5'

+70.35
57.02RT

COLORING CONCRETE CUSTOM

+62.40
62.89RT

CG-30A

TAPER CURB HEAD TO MATCH
EXISTING OVER 5 FT

CPR

CP

+05.19
37.08RT

2'x52'

CG-30A

G-24

+94.19
36.95RT

+15.48
25.21RT

+05.23
36.93RT

+10.52
42.21RT

TAPER CURB HEAD TO MATCH
EXISTING OVER 5 FT

25'

52'

12'

+80.94
55.07RT

+90.35
57.10RT
20'R

+80.87
62.86RT

CATCH BASIN TYPE 44A (CB 21.1)
INLET COVERS TYPE H
RIM EL.= 690.62
SUMP EL. = 683.26
12LF SSRCP 12-INCH
US INVERT = 687.24
DS INVERT = 687.12
SLOPE = 2.00%

+04.21
45.22RT

+15.55
54.87RT

EXIST ROW

EXIST ROW

EXIST ROW

EXIST ROW

LEGEND

- REINFORCED CONCRETE PLATFORM
- CONCRETE PLATFORM RAMP
- CONCRETE PAVEMENT 12-INCH
- CONCRETE SIDEWALK 5-INCH
- SOD LAWN
- CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
- LANDING AREA
- CONCRETE PAVEMENT 12-INCH, COLORED AND STAMPED

CD	CONCRETE DRIVEWAY 6-INCH
AP	ASPHALTIC SURFACE
G-24	CONCRETE GUTTER 24-INCH (PAVED INTEGRAL TO LANE, SEE DETAIL)
G-18	CONCRETE GUTTER 18-INCH (PAVED INTEGRAL TO LANE, SEE DETAIL)
CG-18A	CONCRETE CURB AND GUTTER 18-INCH TYPE A
CG-30A	CONCRETE CURB AND GUTTER 30-INCH TYPE A
CG-30D	CONCRETE CURB AND GUTTER 30-INCH TYPE D
CGI-30D	CONCRETE CURB AND GUTTER INTEGRAL 30-INCH TYPE D
CG-24D	CONCRETE CURB AND GUTTER 24-INCH TYPE D
CP	CONCRETE CURB PEDESTRIAN
CPR	CONCRETE CURB PLATFORM RAMP (SEE DETAIL)
CS	CONCRETE STEPS
BR	BICYCLE RACK CONCRETE-MOUNTED
CR-1A	CURB RAMP TYPE 1A
CR-2	CURB RAMP TYPE 2
CR-3	CURB RAMP TYPE 3
CR-7A	CURB RAMP TYPE 7A

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 21: WISCONSIN AVENUE AT 27TH STREET EB	SITE PLANS	SHEET E

PRE_70

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\AECOM\Sheets\021216_27TH_EB_2sp.dgn PLOT DATE : 7/31/2019 PLOT BY : mrozz PLOT NAME : PLOT SCALE : 20.00 sf / in.

N

EXIST ROW

27TH STREET

EXIST ROW

EXIST ROW

EXIST ROW

UE AT 27TH STREET WB

WISCONSIN AVENUE

199WB

200WB

201WB

℄ WISCONSIN AVENUE

+63.06
25.59RT
690.63
EOP

+90.29
25.53RT
690.93
EOP

+05.16
25.49RT
691.07
EOP

+30.16
25.42RT
691.57
EOP

+82.16
25.29RT
692.81
EOP

+94.16
25.26RT
693.10
EOP

+05.20
25.24RT
693.36
EOP

+15.48
25.21RT
693.61
EOP

+90.32
37.10RT
690.58
FL

11.6'

13.6'

+30.20
39.04RT
692.39
TOP

3%

+82.20
38.97RT
693.63
TOP

13.7'

11.7'

+05.23
36.93RT
692.93
FL

+10.52
42.21RT
692.97
FL

+15.52
42.18RT
693.10
FL

VARIES

+76.23
42.94RT
690.21
FL

+05.20
39.58RT
691.14
BOC

5.00% MAX

10%

15%

25'

52'

3.83% MAX

12'

+94.20
39.45RT
693.17
BOC

+15.52
44.97RT
693.49
BOC

+70.35
57.02RT
690.01
FL

EXIST ROW

EXIST ROW

+05.21
49.08RT
691.25
BOR

+30.21
49.04RT
692.49
TOP

+82.21
48.97RT
693.73
TOP

+94.21
48.95RT
693.31
BOR

+04.21
45.22RT
693.36
SDWK

+15.54
50.06RT
693.80
SDWK

+62.40
62.89RT
689.83
EOP

+80.94
55.07RT
690.56
BOW

+05.25
54.92RT
691.16
BOW

+94.21
54.87RT
693.22
BOW

+04.21
48.43RT
693.40
SDWK

+15.55
54.87RT
693.82
BOW

+70.33
62.87RT
689.84
FL

+80.87
62.86RT
690.45
BOW

+72.87
62.87RT
690.22
BOC

EXIST ROW

EXIST ROW

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 21: WISCONSIN AVENUE AT 27TH STREET EB	GRADING PLANS	SHEET E

PRE_71

FILE NAME : \\aecompw05ics01\iCS_pdf_work_dir\9681\221962_167\021216_27TH_EB_3gd.dgn PLOT DATE : 7/31/2019 PLOT BY : aecompw05ics01$ PLOT NAME : PLOT SCALE : 20.00 sf / in.

N

16TH STREET

EXIST ROW

TRAFFIC SIGNALS AND LIGHT POLE TO REMAIN

TRAFFIC SIGNALS AND LIGHT POLE TO REMAIN, EXLP1

REMOVING BUS SHELTER

DECORATIVE PILLAR TO REMAIN

+30.23
59.60LT

+97.78
64.06LT

PULL BOX TO REMAIN, EXPB1

REMOVING CONDUIT

REMOVING LIGHT POLE AND BASE, EXLP2

REMOVING CONDUIT

REMOVING PULL BOX, EXPB2

REMOVING CONDUIT

+25.01
51.78LT

EXIST ROW

EXLP3

EXPB3

+97.77
18.47LT

REMOVING SIDEWALK, CURB &GUTTER, AND PAVEMENT
(WITHIN THE LIMITS SHOWN)

+25.01
18.48LT

WISCONSIN AVENUE

239WB

240WB

241WB

℄ WISCONSIN AVENUE

TRAFFIC SIGNALS AND LIGHT POLE TO REMAIN, EXLP4

REMOVING CONDUIT

REMOVING LIGHT POLE AND BASE, EXLP5

REMOVING CONDUIT

+24.94
18.69RT

+04.20
18.85RT

EXPB6

EXLP6

EXIST ROW

+24.95
50.89RT

+04.19
62.35RT

+29.84
51.49RT

+29.76
57.49RT

REMOVING SIDEWALK, CURB & GUTTER, AND PAVEMENT
(WITHIN THE LIMITS SHOWN)

PULL BOX TO REMAIN, EXPB4

DECORATIVE PILLAR TO REMAIN

REMOVING PULL BOX, EXPB5

EXIST ROW

TRAFFIC SIGNALS AND LIGHT POLE TO REMAIN

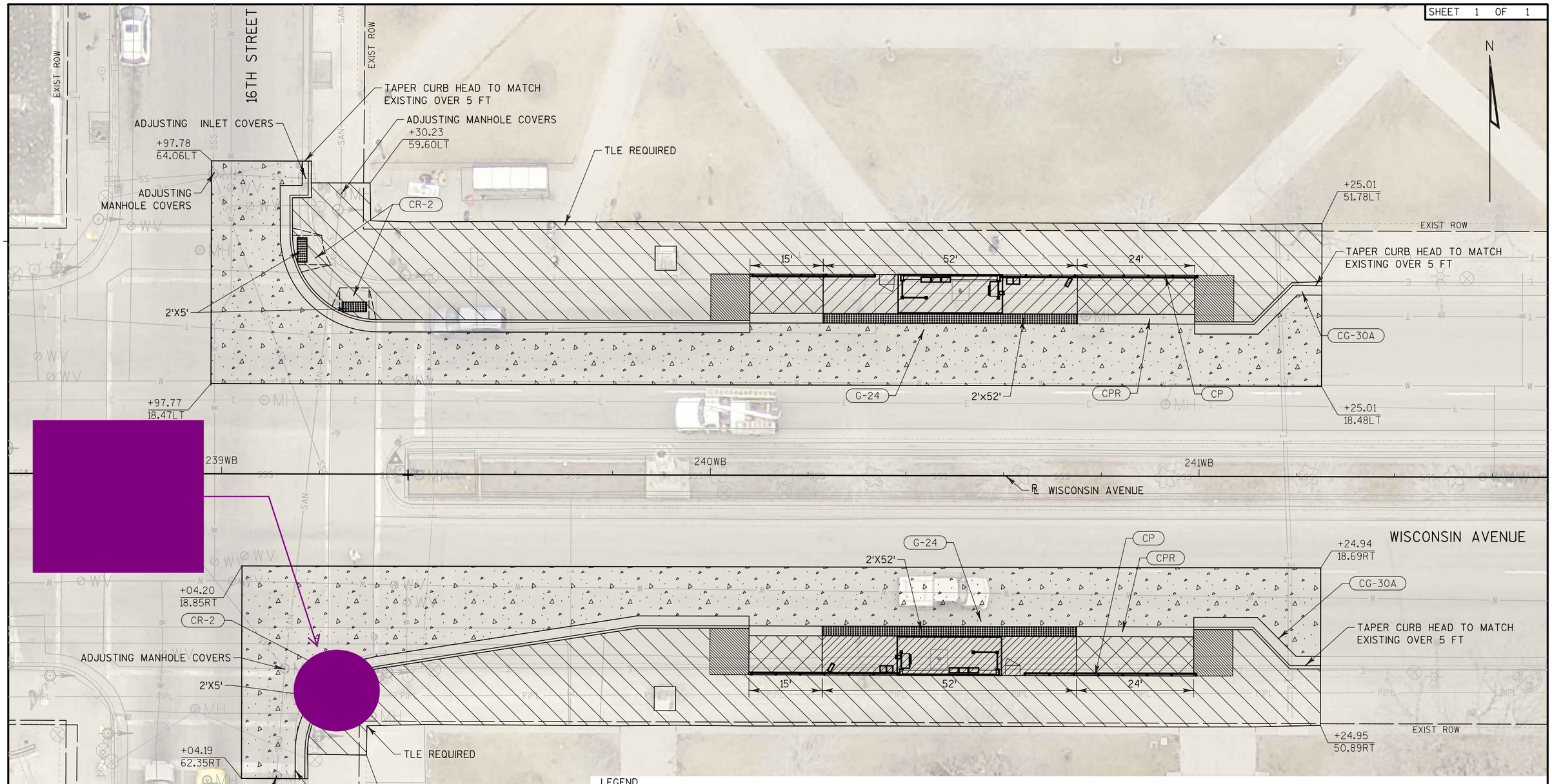
EXIST ROW

LEGEND

- REMOVING PAVEMENT
- REMOVING CURB
- REMOVING CURB & GUTTER
- REMOVING CONCRETE SIDEWALK
- XXXXX SAWING PAVEMENT
- REMOVING TREE (PAID FOR AS CLEARING AND GRUBBING)
- INLET PROTECTION, TYPE B (UNLESS OTHERWISE NOTED)
- REMOVING LIGHT POLE AND BASE
- REMOVING SIGNAL
- H B REMOVING PUSH BUTTON
- REMOVING PULL BOX
- REMOVING CONDUIT
- REMOVING STORM SEWER PIPE

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 22 & 23: WISCONSIN AVENUE AT 16TH STREET WB & EB	REMOVAL SHEETS	SHEET E

PRE_72



LEGEND

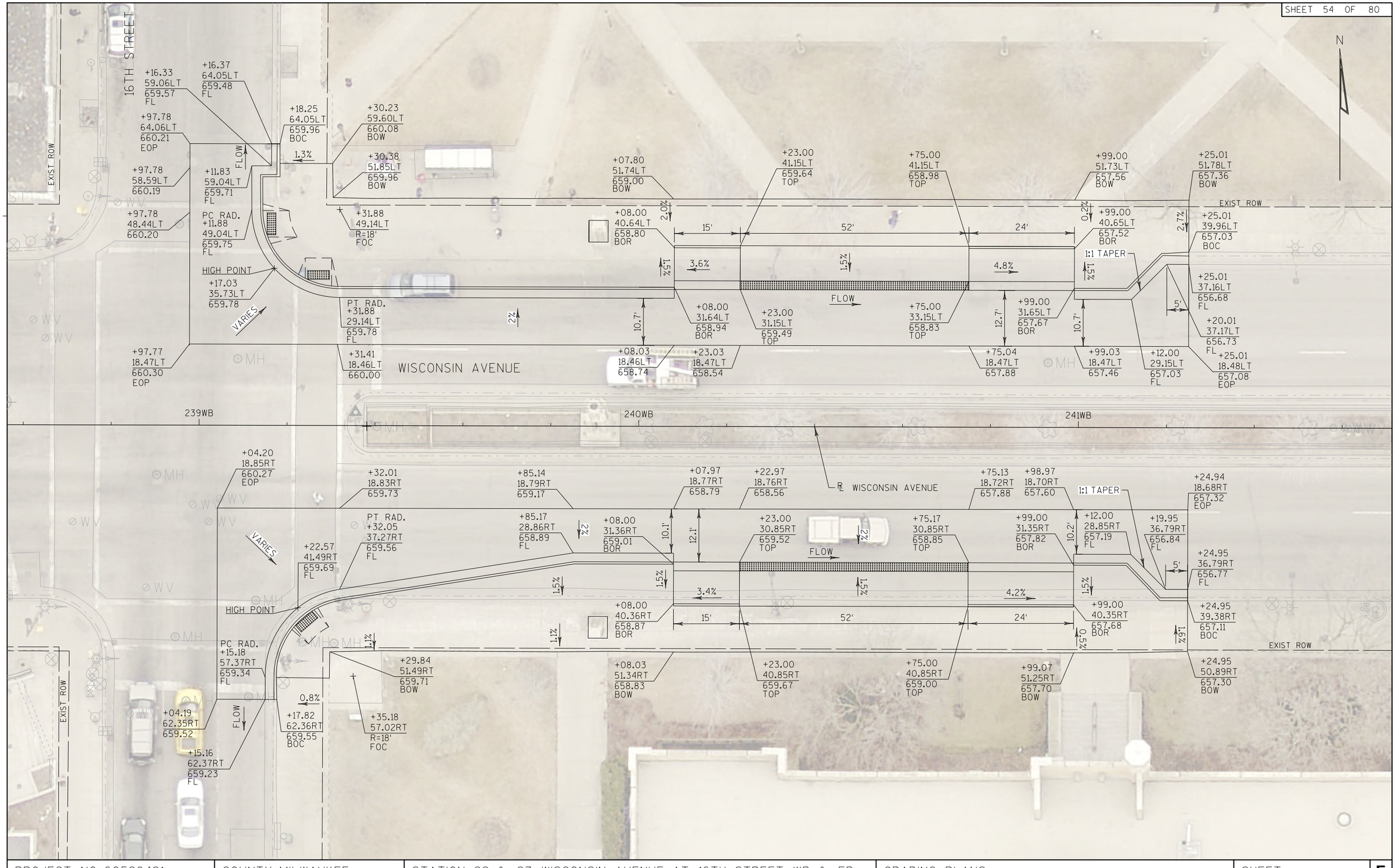
	REINFORCED CONCRETE PLATFORM
	CONCRETE PLATFORM RAMP
	CONCRETE PAVEMENT 12-INCH
	CONCRETE SIDEWALK 5-INCH
	SOD LAWN
	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
	LANDING AREA
	CONCRETE PAVEMENT 12-INCH, COLORED AND STAMPED

CD	CONCRETE DRIVEWAY 6-INCH
AP	ASPHALTIC SURFACE
G-24	CONCRETE GUTTER 24-INCH (PAVED INTEGRAL TO LANE, SEE DETAIL)
G-18	CONCRETE GUTTER 18-INCH (PAVED INTEGRAL TO LANE, SEE DETAIL)
CG-18A	CONCRETE CURB AND GUTTER 18-INCH TYPE A
CG-30A	CONCRETE CURB AND GUTTER 30-INCH TYPE A
CG-30D	CONCRETE CURB AND GUTTER 30-INCH TYPE D
CGI-30D	CONCRETE CURB AND GUTTER INTEGRAL 30-INCH TYPE D

CG-24D	CONCRETE CURB AND GUTTER 24-INCH TYPE D
CP	CONCRETE CURB PEDESTRIAN
CPR	CONCRETE CURB PLATFORM RAMP (SEE DETAIL)
CS	CONCRETE STEPS
BR	BICYCLE RACK CONCRETE-MOUNTED
CR-1A	CURB RAMP TYPE 1A
CR-2	CURB RAMP TYPE 2
CR-3	CURB RAMP TYPE 3
CR-7A	CURB RAMP TYPE 7A

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 22 & 23: WISCONSIN AVENUE AT 16TH STREET WB & EB	SITE PLANS	SHEET E

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\AECOM\Sheets\021218_16TH_EB_2sp.dgn PLOT DATE : 7/31/2019 PLOT BY : mrozz PLOT NAME : PLOT SCALE : 20.00 sf / in.
WISDOT/CADDS SHEET 42



PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 22 & 23: WISCONSIN AVENUE AT 16TH STREET WB & EB	GRADING PLANS	SHEET E

PRE_74

N

REMOVING SIDEWALK, CURB & GUTTER, AND PAVEMENT (WITHIN THE LIMITS SHOWN)

SIGNAL POLES AND BASES TO REMAIN

SIGNAL POLES AND BASES TO REMAIN

+02.87
45.87LT

EXIST ROW

+54.25
45.82LT

SIGNAL POLES AND BASES TO REMAIN

REMOVING INLETS

+54.26
37.21LT

+02.87
37.32LT

+69.26
29.17LT

+89.67
29.17LT

243WB

℄ WISCONSIN AVENUE

WISCONSIN AVENUE

+69.45
28.83RT

+89.87
28.82RT

+56.23
36.71RT

+02.83
36.78RT

SIGNAL POLES AND BASES TO REMAIN

+02.83
45.30RT

EXIST ROW

+56.23
45.41RT

SIGNAL POLES AND BASES TO REMAIN

REMOVING SIDEWALK, CURB & GUTTER, AND PAVEMENT (WITHIN THE LIMITS SHOWN)

N

REMOVING SIDEWALK, CURB & GUTTER, AND PAVEMENT (WITHIN THE LIMITS SHOWN)

SIGNAL POLES AND BASES TO REMAIN
+27.94
46.04LT

+74.88
45.87LT

EXIST ROW

+22.94
35.53LT

+74.87
37.29LT

+41.28
29.19LT

+61.69
29.17LT

246WB

247WB

℄ WISCONSIN AVENUE

WISCONSIN AVENUE

+61.81
28.82RT

+74.84
36.96RT

+41.40
28.80RT

+23.41
34.87RT

SIGNAL POLES AND BASES TO REMAIN

EXIST ROW

+28.48
45.51RT

+74.85
45.40RT

REMOVING SIDEWALK, CURB & GUTTER, AND PAVEMENT (WITHIN THE LIMITS SHOWN)

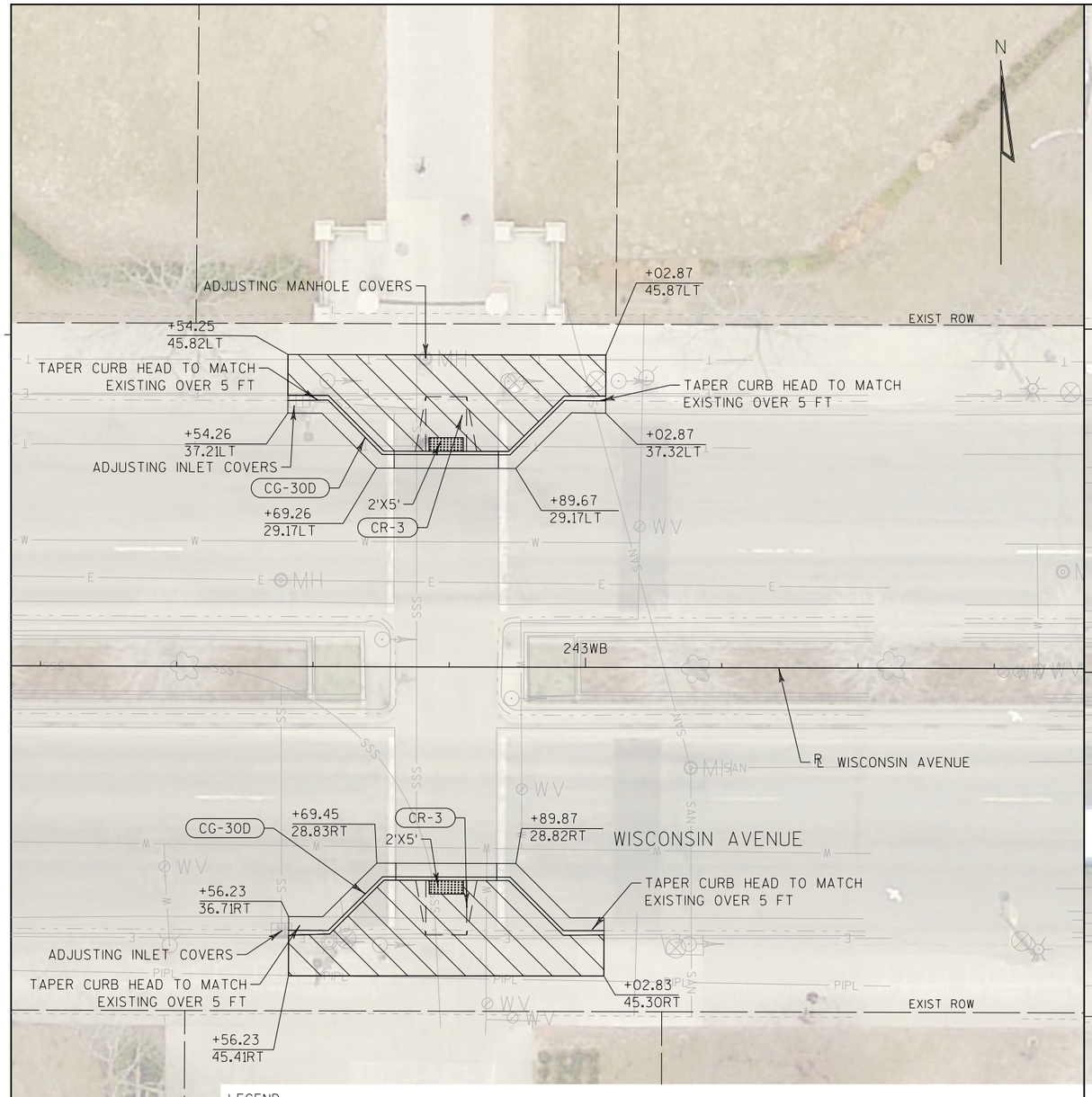
SIGNAL POLES AND BASES TO REMAIN

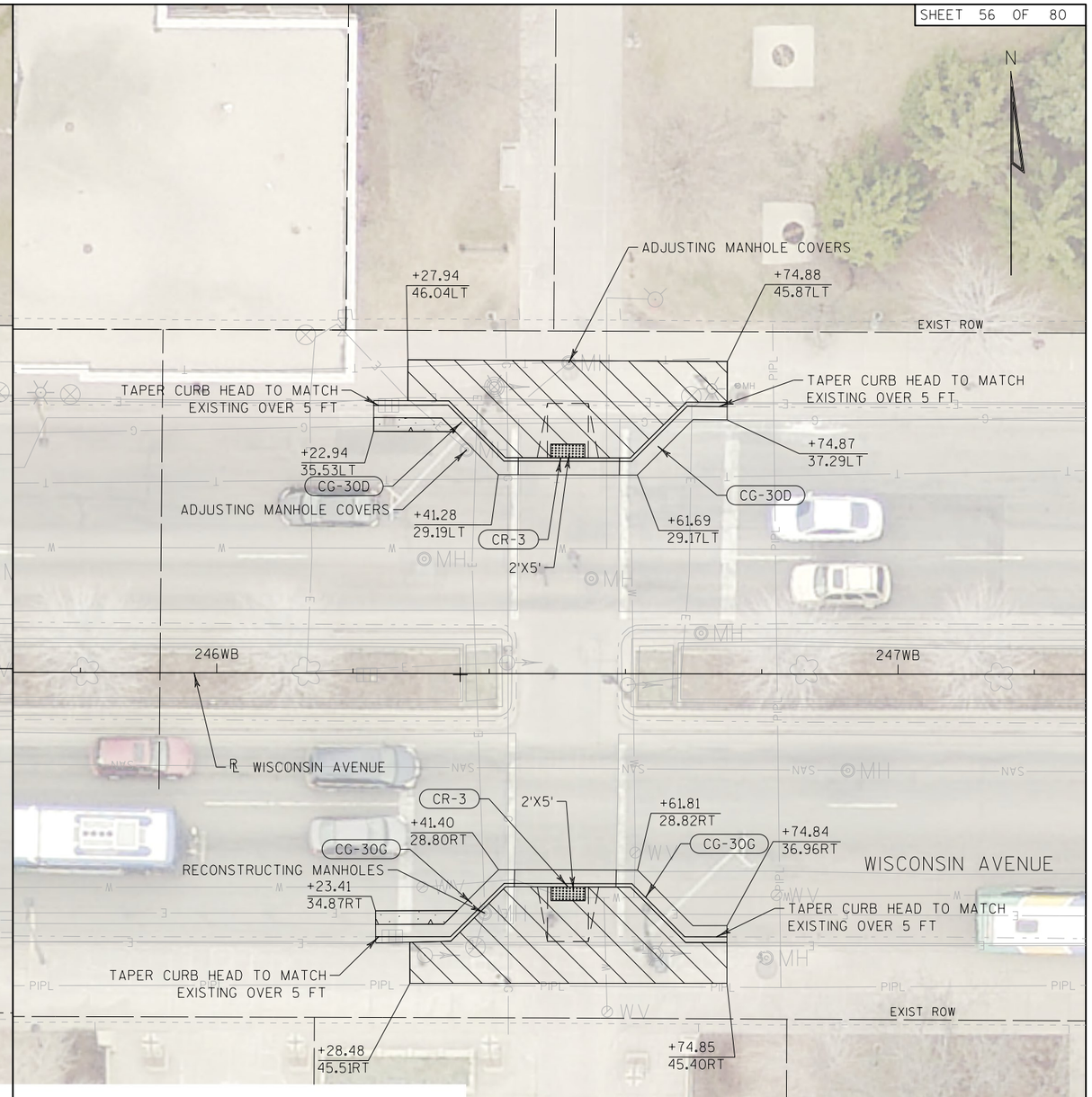
LEGEND

- REMOVING PAVEMENT
- REMOVING CURB
- REMOVING CURB & GUTTER
- REMOVING CONCRETE SIDEWALK
- XXXXX SAWING PAVEMENT
- REMOVING TREE (PAID FOR AS CLEARING AND GRUBBING)
- INLET PROTECTION, TYPE B (UNLESS OTHERWISE NOTED)
- REMOVING LIGHT POLE AND BASE
- REMOVING SIGNAL
- REMOVING PUSH BUTTON
- REMOVING PULL BOX
- REMOVING CONDUIT
- REMOVING STORM SEWER PIPE

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION P1 & P2: WISCONSIN AVENUE AT 15TH & 14TH STREET BUMPOUTS	REMOVAL SHEETS	SHEET E

FILE NAME : \\aecompw05ics01\iCS_pdf_work_dir\9681\221962_106\021219_BumpoutsEB_WB_1rm.dgn
PLOT DATE : 7/31/2019
PLOT BY : aecompw05ics01$
PLOT NAME :
PLOT SCALE : 20.00 sf / in.
WISDOT/CADDS SHEET 42



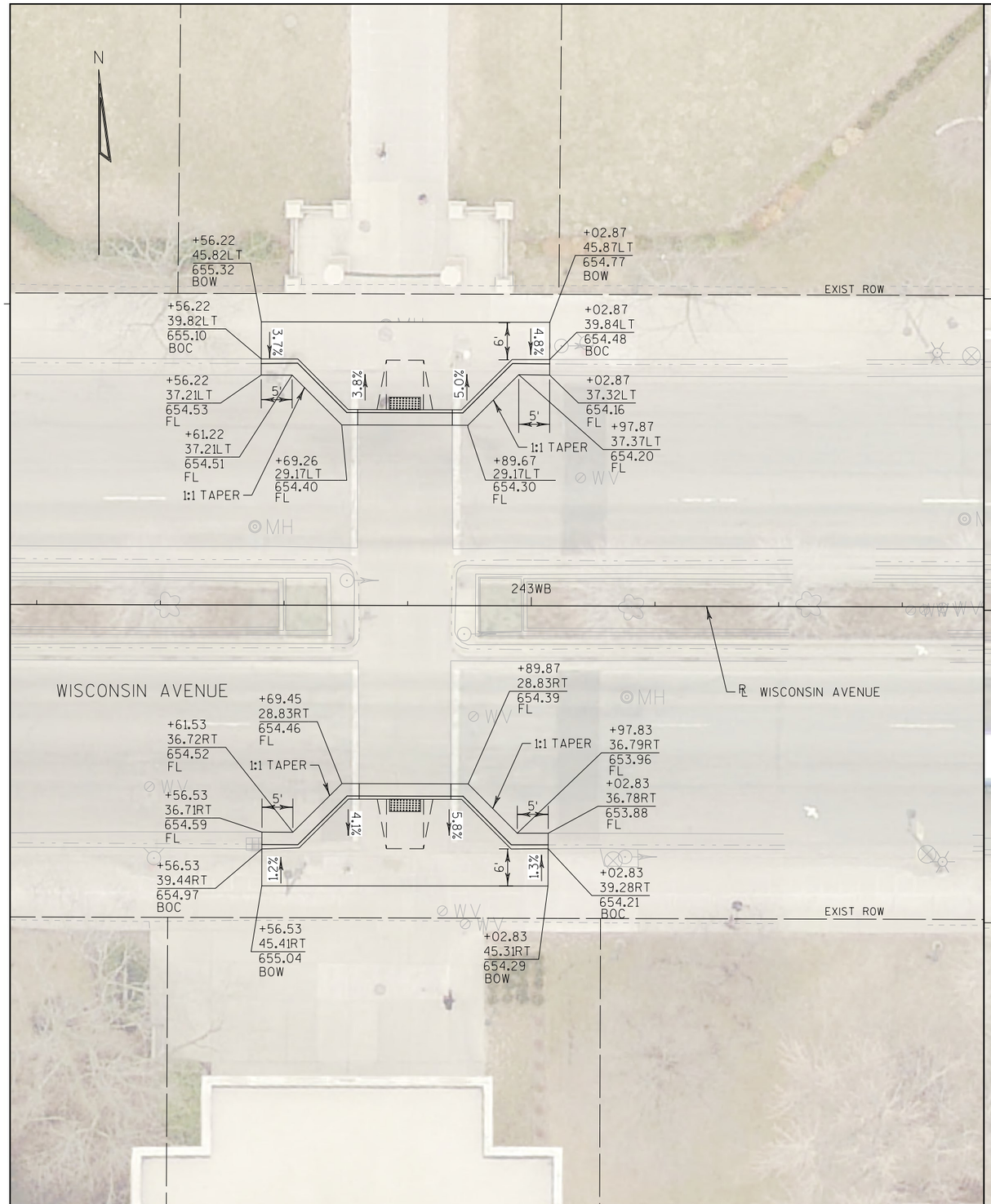


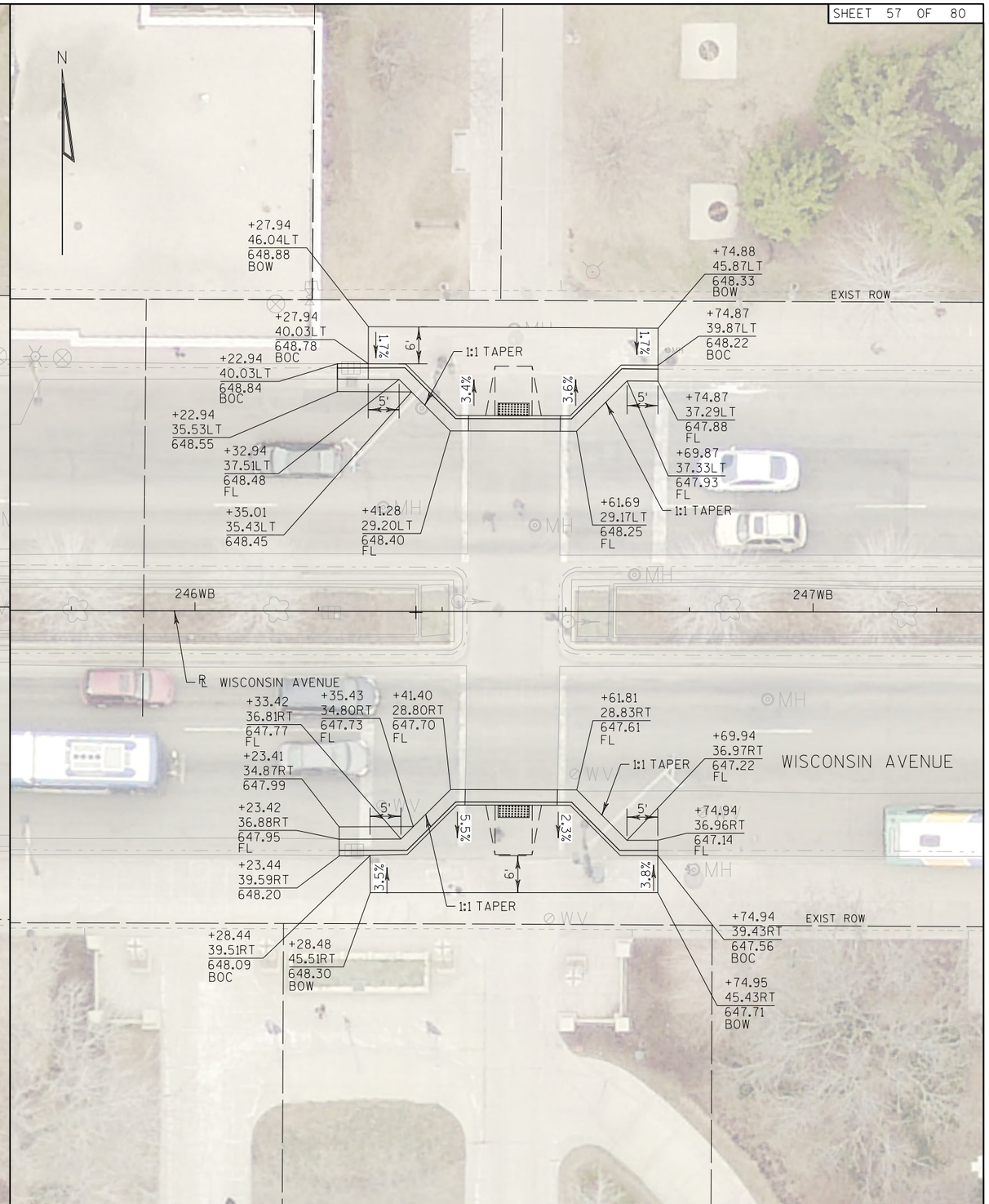
LEGEND

	REINFORCED CONCRETE PLATFORM	CD	CONCRETE DRIVEWAY 6-INCH
	CONCRETE PLATFORM RAMP	AP	ASPHALTIC SURFACE
	CONCRETE PAVEMENT 12-INCH	G-24	CONCRETE GUTTER 24-INCH (PAVED INTEGRAL TO LANE, SEE DETAIL)
	CONCRETE SIDEWALK 5-INCH	G-18	CONCRETE GUTTER 18-INCH (PAVED INTEGRAL TO LANE, SEE DETAIL)
	SOD LAWN	CG-18A	CONCRETE CURB AND GUTTER 18-INCH TYPE A
	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA	CG-30A	CONCRETE CURB AND GUTTER 30-INCH TYPE A
	LANDING AREA	CG-30D	CONCRETE CURB AND GUTTER 30-INCH TYPE D
	CONCRETE PAVEMENT 12-INCH, COLORED AND STAMPED	CGI-30D	CONCRETE CURB AND GUTTER INTEGRAL 30-INCH TYPE D
		CG-24D	CONCRETE CURB AND GUTTER 24-INCH TYPE D
		CP	CONCRETE CURB PEDESTRIAN
		CPR	CONCRETE CURB PLATFORM RAMP (SEE DETAIL)
		CS	CONCRETE STEPS
		BR	BICYCLE RACK CONCRETE-MOUNTED
		CR-1A	CURB RAMP TYPE 1A
		CR-2	CURB RAMP TYPE 2
		CR-3	CURB RAMP TYPE 3
		CR-7A	CURB RAMP TYPE 7A

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION P1 & P2: WISCONSIN AVENUE AT 15TH & 14TH STREET BUMPOUTS	SITE PLANS	SHEET E

PRE_76





PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION P1 & P2: WISCONSIN AVENUE AT 15TH & 14TH STREET BUMPOUTS	GRADING PLANS	SHEET E

PRE_77

FILE NAME : \\aecompw05ics01\iCS_pdf_work_dir\9681\221962_105\021219_BumpoutsEB_WB_3gd.dgn PLOT DATE : 7/31/2019 PLOT BY : aecompw05ics01$ PLOT NAME : PLOT SCALE : 20.00 sf / in.

N

EXIST ROW

12TH STREET

+91.25
69.17LT

+30.73
69.37LT

TRAFFIC SIGNALS AND LIGHT POLE TO REMAIN, EXLP3

PULL BOX TO REMAIN, EXPB3

REMOVING INLETS

REMOVING PIPE - 9 LF

+91.26
45.52LT

REMOVING CONDUIT

+24.55
46.10LT

REMOVING LIGHT POLE AND BASE, EXLP2

REMOVING CONDUIT

REMOVING CONDUIT

REMOVING PULL BOX, EXPB2

EXIST ROW

EXPB1

EXLP1

+24.46
18.53LT

WISCONSIN AVENUE

REMOVING SIDEWALK, CURB & GUTTER, AND PAVEMENT (WITHIN THE LIMITS SHOWN)

+31.14
17.72LT

252WB

253WB

254WB

℄ WISCONSIN AVENUE

EXIST ROW

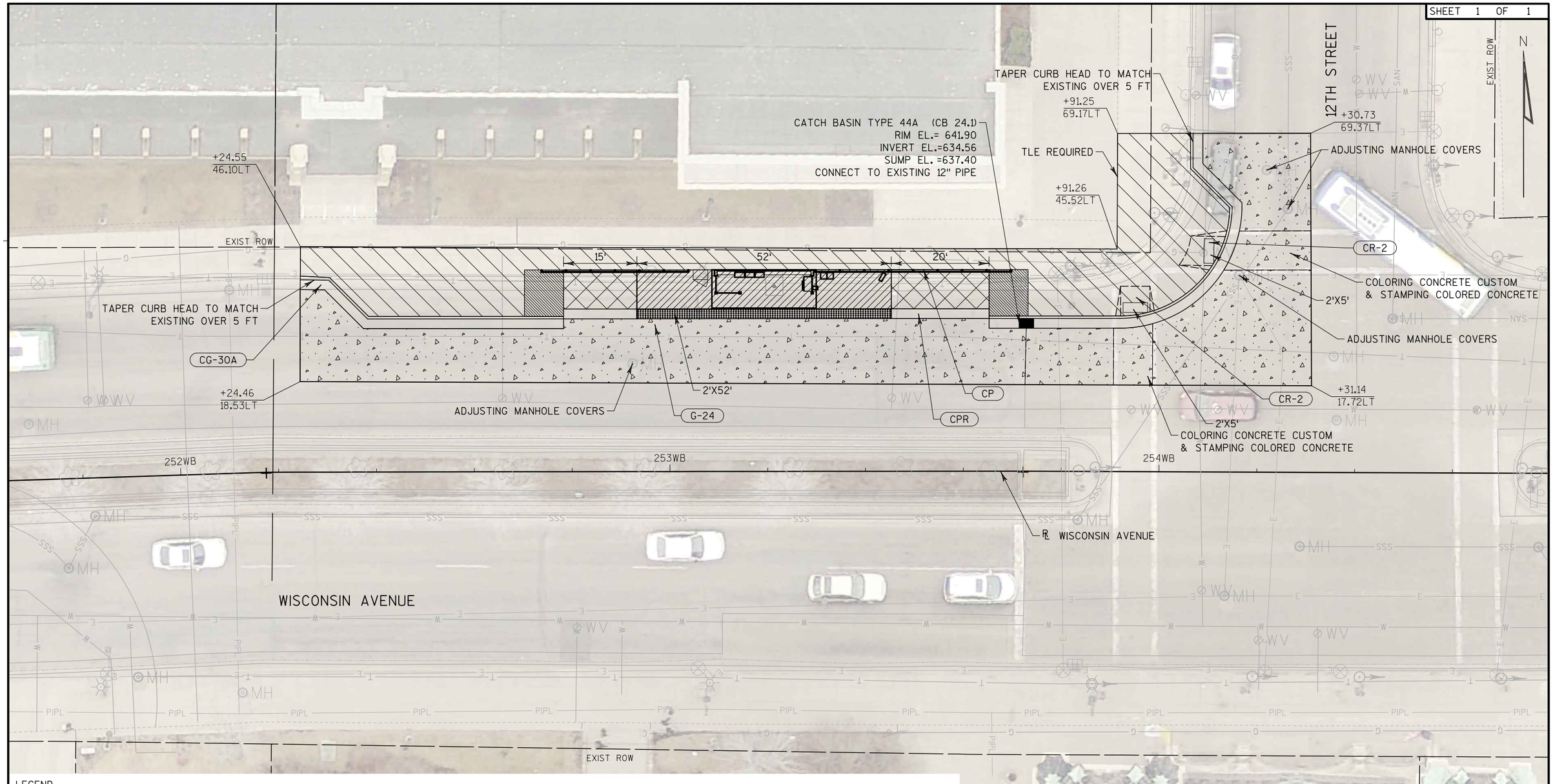
LEGEND

- REMOVING PAVEMENT
- REMOVING CURB
- REMOVING CURB & GUTTER
- REMOVING CONCRETE SIDEWALK
- XXXXX SAWING PAVEMENT
- × REMOVING TREE (PAID FOR AS CLEARING AND GRUBBING)
- INLET PROTECTION, TYPE B (UNLESS OTHERWISE NOTED)
- REMOVING LIGHT POLE AND BASE
- REMOVING SIGNAL
- REMOVING PUSH BUTTON
- REMOVING PULL BOX
- REMOVING CONDUIT
- REMOVING STORM SEWER PIPE

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 24: WISCONSIN AVENUE AT 12TH STREET WB	REMOVAL SHEETS	SHEET E

FILE NAME : \\aecompw05ics01\iCS_pdf_work_dir\9681\221962_108\021220_12TH_WB_1rm.dgn PLOT DATE : 7/31/2019 PLOT BY : aecompw05ics01$ PLOT NAME : PLOT SCALE : 20.00 sf / in.

WISDOT/CADDS SHEET 42

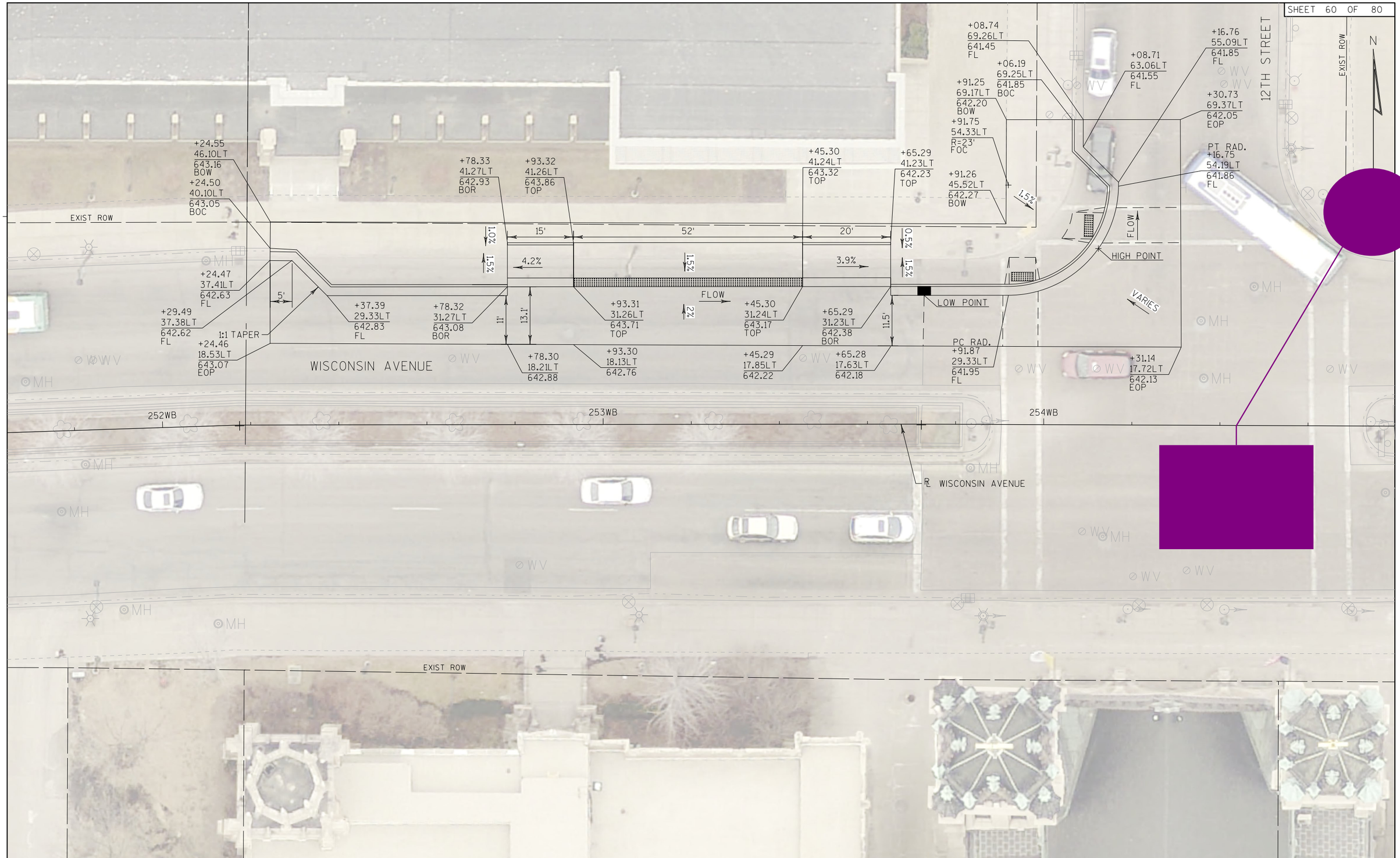


LEGEND

REINFORCED CONCRETE PLATFORM	CD	CONCRETE DRIVEWAY 6-INCH	CG-24D CONCRETE CURB AND GUTTER 24-INCH TYPE D
CONCRETE PLATFORM RAMP	AP	ASPHALTIC SURFACE	CP CONCRETE CURB PEDESTRIAN
CONCRETE PAVEMENT 12-INCH	G-24	CONCRETE GUTTER 24-INCH (PAVED INTEGRAL TO LANE, SEE DETAIL)	CPR CONCRETE CURB PLATFORM RAMP (SEE DETAIL)
CONCRETE SIDEWALK 5-INCH			CS CONCRETE STEPS
SOD LAWN	G-18	CONCRETE GUTTER 18-INCH (PAVED INTEGRAL TO LANE, SEE DETAIL)	BR BICYCLE RACK CONCRETE-MOUNTED
CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA	CG-18A	CONCRETE CURB AND GUTTER 18-INCH TYPE A	CR-1A CURB RAMP TYPE 1A
LANDING AREA	CG-30A	CONCRETE CURB AND GUTTER 30-INCH TYPE A	CR-2 CURB RAMP TYPE 2
CONCRETE PAVEMENT 12-INCH, COLORED AND STAMPED	CG-30D	CONCRETE CURB AND GUTTER 30-INCH TYPE D	CR-3 CURB RAMP TYPE 3
	CGI-30D	CONCRETE CURB AND GUTTER INTEGRAL 30-INCH TYPE D	CR-7A CURB RAMP TYPE 7A

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 24: WISCONSIN AVENUE AT 12TH STREET WB	SITE PLANS	SHEET E

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\AECOM\Sheets\021220_12TH_WB_2sp.dgn PLOT DATE : 7/31/2019 PLOT BY : mrozz PLOT NAME : PLOT SCALE : 20.00 sf / in.
WISDOT/CADDS SHEET 42



PROJECT NO:60528491	COUNTY:MILWAUKEE	STATION 24: WISCONSIN AVENUE AT 12TH STREET WB	GRADING PLANS	SHEET E

PRE_80

N

12TH STREET

EXIST ROW

SEE STATION: WISCONSIN AVENUE AT 12TH STREET WB

WISCONSIN AVENUE

255WB

256WB

257WB

REMOVING SIDEWALK CURB
& GUTTER, AND PAVEMENT
(WITHIN THE LIMITS SHOWN)

REMOVING PULL BOX

+09.93
18.47RT

+38.33
19.32RT

+91.45
34.89RT

+09.43
35.43RT

EXPB1

EXLP1

+91.36
39.74RT

+09.12
46.04RT

REMOVING CONDUIT

EXLP2

EXPB2

REMOVING CONDUIT

REMOVING CONDUIT

+37.81
48.18RT

EXPB3 EXLP3

EXIST ROW

EXIST ROW

EXISTING LIGHT POLE TO REMAIN OPERATIONAL THROUGH CONSTRUCTION. SEE TEMPORARY LIGHTING PLANS FOR DETAILS. LIGHT POLE AND BASE TO BE REMOVED ONCE PROPOSED LIGHITNG SYSTEM IS OPERATIONAL.

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 25: WISCONSIN AVENUE AT 12TH STREET EB	REMOVAL SHEETS	SHEET E

FILE NAME : \\aecompw05ics01\iCS_pdf_work_dir\9681\221962_110\021221_12TH_EB_1rm.dgn PLOT DATE : 7/31/2019 PLOT BY : aecompw05ics01$ PLOT NAME : PLOT SCALE : 20.00 sf / in.

WISDOT/CADDS SHEET 42

N

EXIST ROW

12TH STREET

EXIST ROW

EXIST ROW

WISCONSIN AVENUE

SEE STATION: WISCONSIN AVENUE AT 12TH STREET WB

254WB

255WB

256WB

℄ WISCONSIN AVENUE

CATCH BASIN TYPE 44A (CB 25.2)
RIM EL.=640.51
INVERT EL.= 636.80
SUMP EL. =632.30
12" SSPRC CLASS III = 21 LF

+09.93
18.47RT

+91.45
34.89RT

ADJUSTING INLET COVERS (EX CB 25.1)

+09.43
35.43RT

TAPER CURB HEAD TO MATCH
EXISTING OVER 5 FT

+91.36
39.74RT

CG-30A

+09.12
46.04RT

ADJUSTING MANHOLE COVERS

CPR

CP

2'x40'

G-24

TAPER CURB HEAD TO MATCH
EXISTING OVER 5 FT

+38.33
19.32RT

15'

40'

20'

CG-30A

+37.81
48.18RT

EXIST ROW

EXIST ROW

EXIST ROW

LEGEND

	REINFORCED CONCRETE PLATFORM
	CONCRETE PLATFORM RAMP
	CONCRETE PAVEMENT 12-INCH
	CONCRETE SIDEWALK 5-INCH
	SOD LAWN
	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
	LANDING AREA
	CONCRETE PAVEMENT 12-INCH, COLORED AND STAMPED

CD	CONCRETE DRIVEWAY 6-INCH
AP	ASPHALTIC SURFACE
G-24	CONCRETE GUTTER 24-INCH (PAVED INTEGRAL TO LANE, SEE DETAIL)
G-18	CONCRETE GUTTER 18-INCH (PAVED INTEGRAL TO LANE, SEE DETAIL)
CG-18A	CONCRETE CURB AND GUTTER 18-INCH TYPE A
CG-30A	CONCRETE CURB AND GUTTER 30-INCH TYPE A
CG-30D	CONCRETE CURB AND GUTTER 30-INCH TYPE D
CGI-30D	CONCRETE CURB AND GUTTER INTEGRAL 30-INCH TYPE D

CG-24D	CONCRETE CURB AND GUTTER 24-INCH TYPE D
CP	CONCRETE CURB PEDESTRIAN
CPR	CONCRETE CURB PLATFORM RAMP (SEE DETAIL)
CS	CONCRETE STEPS
BR	BICYCLE RACK CONCRETE-MOUNTED
CR-1A	CURB RAMP TYPE 1A
CR-2	CURB RAMP TYPE 2
CR-3	CURB RAMP TYPE 3
CR-7A	CURB RAMP TYPE 7A

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 25: WISCONSIN AVENUE AT 12TH STREET EB	SITE PLANS	SHEET E

PRE_82

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\AECOM\Sheets\021221_12TH_EB_2sp.dgn PLOT DATE : 7/31/2019 PLOT BY : mrozz PLOT NAME : PLOT SCALE : 20.00 sf / in.

N

EXIST ROW

12TH STREET

EXIST ROW

EXIST ROW

SEE STATION: WISCONSIN AVENUE AT 12TH STREET WB

℄ WISCONSIN AVENUE

WISCONSIN AVENUE

254WB

255WB

256WB

+09.93
18.45RT
641.04
EOP

+23.68
28.63RT
640.73
FL

+36.87
18.63RT
640.85

+51.88
18.73RT
640.74

+91.89
19.00RT
640.55

+11.88
19.14RT
640.44

+38.33
19.32RT
640.13
EOP

+14.37
37.58RT
640.51
FL

1:1 TAPER

+36.63
30.89RT
641.05
BOR

+51.62
31.19RT
641.69
TOP

2%

FLOW

+91.62
31.99RT
641.50
TOP

+11.61
32.39RT
640.64
BOR

+24.66
30.66RT
639.97
FL

1:1 TAPER

+91.45
34.89RT
640.73

+09.43
35.43RT
640.69

+37.89
39.28RT
639.59
FL

5'

4.24%

1.5%

4.28%

1.5%

1.5%

2.1%

LOW POINT

15'

40'

20'

+09.37
37.44RT
640.54
FL

+11.41
42.39RT
640.49
BOR

+32.89
39.23RT
639.63
FL

+37.87
41.94RT
639.98
BOC

+91.36
39.74RT
641.08
BOC

+09.12
45.99RT
641.08
BOW

+36.47
40.89RT
640.90
BOR

+51.42
41.19RT
641.84
TOP

+91.41
41.99RT
641.65
TOP

+05.62
47.63RT
640.29
BOW

+05.53
53.16RT
640.36
BOW

+37.70
53.70RT
640.16
BOW

EXIST ROW

EXIST ROW

EXIST ROW

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 25: WISCONSIN AVENUE AT 12TH STREET EB	GRADING PLANS	SHEET E

PRE_83

N

9TH STREET

SEE STATION: WISCONSIN AVENUE AT 9TH STREET WB

263WB

264WB

265WB

266W

℄ WISCONSIN AVENUE

WISCONSIN AVENUE

+38.82
31.55RT

REMOVING SIDEWALK, CURB &
GUTTER AND PAVEMENT (WITHIN LIMITS SHOWN)

+11.01
34.04RT

+10.80
61.05RT

+38.40
60.73RT

+87.95
61.49RT

REMOVING SIGNS
TYPE II

REMOVING SIGNS
TYPE II

REMOVING BUS SHELTER

EXIST ROW

LEGEND

- REMOVING PAVEMENT
- REMOVING CURB
- REMOVING CURB & GUTTER
- REMOVING CONCRETE SIDEWALK
- XXXXX SAWING PAVEMENT
- × REMOVING TREE (PAID FOR AS CLEARING AND GRUBBING)
- INLET PROTECTION, TYPE B (UNLESS OTHERWISE NOTED)
- REMOVING LIGHT POLE AND BASE
- REMOVING SIGNAL
- REMOVING PUSH BUTTON
- REMOVING PULL BOX
- REMOVING CONDUIT
- REMOVING STORM SEWER PIPE

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 26: WISCONSIN AVENUE AT 9TH STREET EB	REMOVAL SHEETS	SHEET E

PRE_84

N

9TH STREET

SEE STATION 27: WISCONSIN AVENUE AT 9TH STREET WB

263WB

264WB

265WB

℄ WISCONSIN AVENUE

WISCONSIN AVENUE

+38.82
31.55RT

ADJUSTING MANHOLE COVERS

CPR

G-24

2'X52'

ADJUSTING MANHOLE COVERS

CPR

2'X5'

CR-7A MODIFIED

+11.01
34.04RT

CG-30A

TAPER CURB HEAD TO MATCH
EXISTING OVER 5 FT

+38.40
60.73RT

CG-30A

TAPER CURB HEAD TO MATCH
EXISTING OVER 5 FT

+10.80
61.05RT

CP

15'

52'

19'

+74.75
62.22RT

+87.43
61.90RT

+74.67
66.23RT

+87.36
66.41RT

EXTEND RAILING
FROM PLATFORM

RECONSTRUCTING INLETS (CB 26.2)

CP

EXIST ROW

CATCH BASIN TYPE 44A (CB 26.1)
INLET COVERS TYPE H
RIM EL. = 636.60
SUMP EL. = 628.37

93' SSRCP 12-INCH
US EL. = 632.35
DS EL. = 631.61
SLOPE = 0.80%

LEGEND

	REINFORCED CONCRETE PLATFORM	CD	CONCRETE DRIVEWAY 6-INCH
	CONCRETE PLATFORM RAMP	AP	ASPHALTIC SURFACE
	CONCRETE PAVEMENT 12-INCH	G-24	CONCRETE GUTTER 24-INCH (PAVED INTEGRAL TO LANE, SEE DETAIL)
	CONCRETE SIDEWALK 5-INCH	G-18	CONCRETE GUTTER 18-INCH (PAVED INTEGRAL TO LANE, SEE DETAIL)
	SOD LAWN	CG-18A	CONCRETE CURB AND GUTTER 18-INCH TYPE A
	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA	CG-30A	CONCRETE CURB AND GUTTER 30-INCH TYPE A
	LANDING AREA	CG-30D	CONCRETE CURB AND GUTTER 30-INCH TYPE D
	CONCRETE PAVEMENT 12-INCH, COLORED AND STAMPED	CGI-30D	CONCRETE CURB AND GUTTER INTEGRAL 30-INCH TYPE D

CG-24D	CONCRETE CURB AND GUTTER 24-INCH TYPE D
CP	CONCRETE CURB PEDESTRIAN
CPR	CONCRETE CURB PLATFORM RAMP (SEE DETAIL)
CS	CONCRETE STEPS
BR	BICYCLE RACK CONCRETE-MOUNTED
CR-1A	CURB RAMP TYPE 1A
CR-2	CURB RAMP TYPE 2
CR-3	CURB RAMP TYPE 3
CR-7A	CURB RAMP TYPE 7A

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 26: WISCONSIN AVENUE AT 9TH STREET EB	SITE PLANS	SHEET E

PRE_85

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\AECOM\Sheets\021222_9TH_EB_2sp.dgn PLOT DATE : 7/31/2019 PLOT BY : mrozz PLOT NAME : PLOT SCALE : 20.00 sf / in.

N

263WB

264WB

265WB

266W

℄ WISCONSIN AVENUE

9TH STREET

SEE STATION: WISCONSIN AVENUE AT 9TH STREET WB

WISCONSIN AVENUE

+38.82
31.55RT
637.42
EOP

+63.27
46.41RT
637.33
BOC

+58.31
43.84RT
636.94
FL

+63.48
31.91RT
637.27
EOP

+71.48
32.03RT
637.23
EOP

+86.48
32.25RT
637.15
EOP

12'

3%

+71.27
46.52RT
637.29
BOR

+86.28
46.24RT
637.96
TOP

14'

+38.47
32.99RT
636.89
EOP

+57.47
33.27RT
636.73
EOP

+57.13
56.76RT
636.93
BOR

+38.27
46.99RT
637.70
TOP

+57.26
47.76RT
636.79
BOR

3%

12'

+66.76
47.90RT
636.73
BOC

+84.56
33.66RT
636.63
EOP

+84.39
45.66RT
636.27
FL

+93.30
45.78RT
636.20
FL

+11.01
34.04RT
636.43
EOP

+05.67
58.52RT
635.62
FL

+10.66
58.31RT
635.59
FL

FLOW

+43.44
58.29RT
636.59
FL

+38.44
58.21RT
636.62
FL

1.5%

8'

6.00% MAX

15'

52'

1.0%

4.79% MAX

19'

2.53%

5% MAX

5% MAX

FLOW

FLOW

FLOW

FLOW

8.04% MAXI

+63.14
55.41RT
637.20
LANDING
EDGE

+71.64
56.03RT
636.79
BOTTOM

1.5%

1.5%

+86.13
56.24RT
638.06
TOP

+57.13
57.26RT
636.34
BOTTOM

+38.40
60.73RT
637.01
BOC

+44.31
60.92RT
636.94
BOW

+63.02
61.13RT
636.74
BOW

+71.14
55.52RT
637.16
BOR

+71.06
61.29RT
636.71
BOW

+38.13
56.99RT
637.80
TOP

+57.06
62.21RT
636.27
BOW

+66.63
56.90RT
636.69
TOP

+74.81
57.02RT
636.28
BOR

+74.67
66.23RT
636.15
BOW

+87.43
61.90RT
636.05
BOW

+87.36
66.41RT
636.16
BOW

+10.80
61.05RT
635.97
BOC

+04.93
61.34RT
636.02
BOW

EXIST ROW

EXIST ROW

EXIST ROW

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 26: WISCONSIN AVENUE AT 9TH STREET EB	GRADING PLANS	SHEET E

PRE_86

N

LEGEND

- REMOVING PAVEMENT
- REMOVING CURB
- REMOVING CURB & GUTTER
- REMOVING CONCRETE SIDEWALK
- XXXXX SAWING PAVEMENT
- REMOVING TREE (PAID FOR AS CLEARING AND GRUBBING)
- INLET PROTECTION, TYPE B (UNLESS OTHERWISE NOTED)
- REMOVING LIGHT POLE AND BASE
- REMOVING SIGNAL
- REMOVING PUSH BUTTON
- REMOVING PULL BOX
- REMOVING CONDUIT
- REMOVING STORM SEWER PIPE

EXIST ROW

9TH STREET

EXIST ROW

EXIST ROW

+33.73
80.95LT

+45.14
80.65LT

+47.01
80.59LT

+66.49
79.36LT

+64.89
61.07LT

REMOVING SIDEWALK, CURB & GUTTER, AND PAVEMENT (WITHIN LIMITS SHOWN)

REMOVING BUS SHELTER

REMOVING DECORATIVE PLANTER

REMOVING BIKE RACKS

+59.24
54.51LT

REMOVING SIGNS TYPE II

EXPB4

EXLP3

+64.14
45.78LT

+62.67
24.54LT

REMOVING CONDUIT

+32.43
32.46LT

PULL BOX TO REMAIN, EXPB1

LIGHT POLE TO REMAIN, EXLP1

REMOVING CONDUIT

REMOVING PULL BOX, EXPB2 & EXPB3

REMOVING LIGHT POLE AND BASE, EXLP2

WISCONSIN AVENUE

265WB

266WB

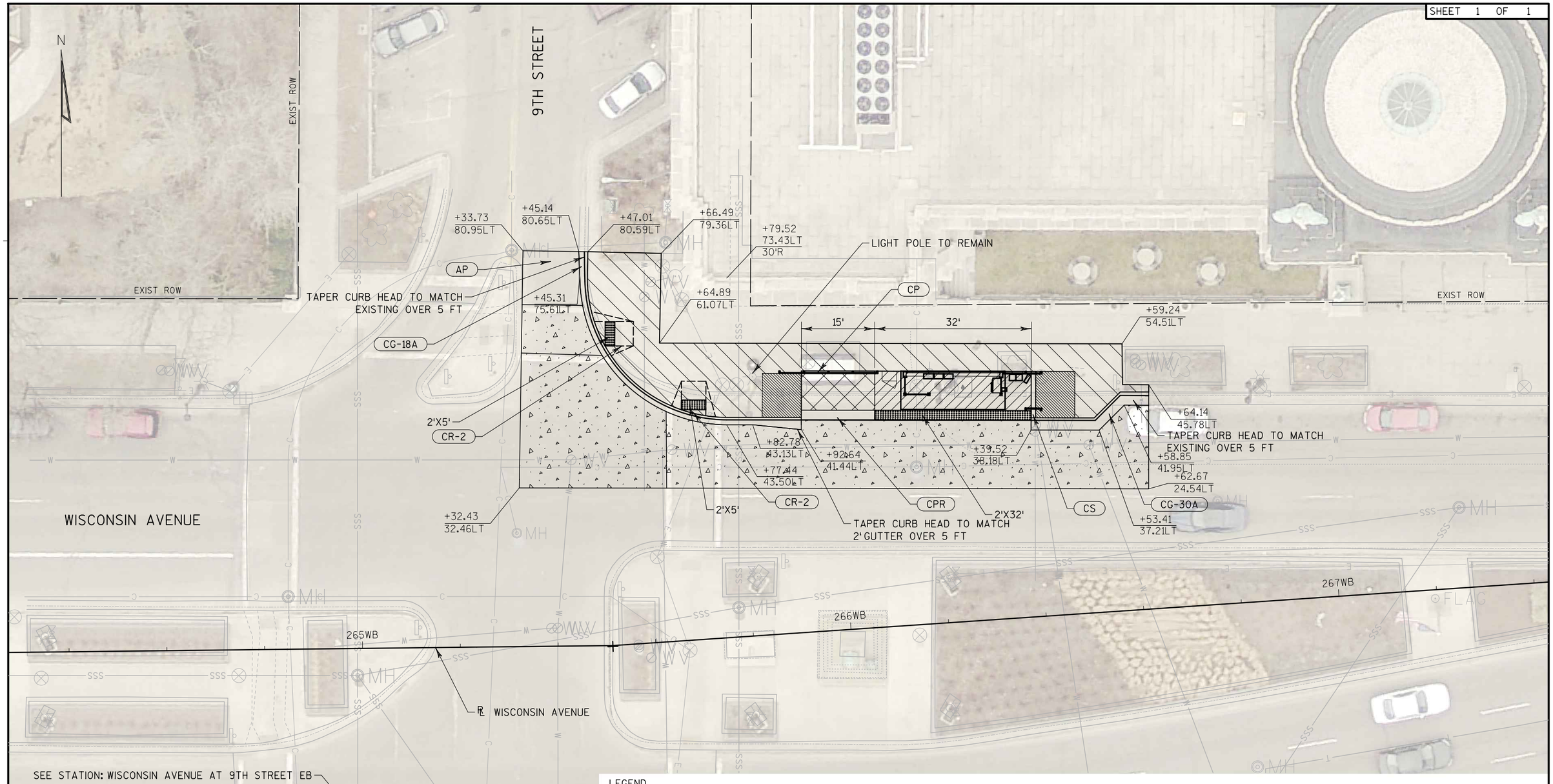
267WB

℄ WISCONSIN AVENUE

SEE STATION: WISCONSIN AVENUE AT 9TH STREET EB

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 27: WISCONSIN AVENUE AT 9TH STREET WB	REMOVAL SHEETS	SHEET E

FILE NAME : \\decompw05ics01\iCS_pdf_work_dir\9681\221962_113\021223_9TH_WB_1rm.dgn PLOT DATE : 7/31/2019 PLOT BY : decompw05ics01$ PLOT NAME : PLOT SCALE : 20.00 sf / in.



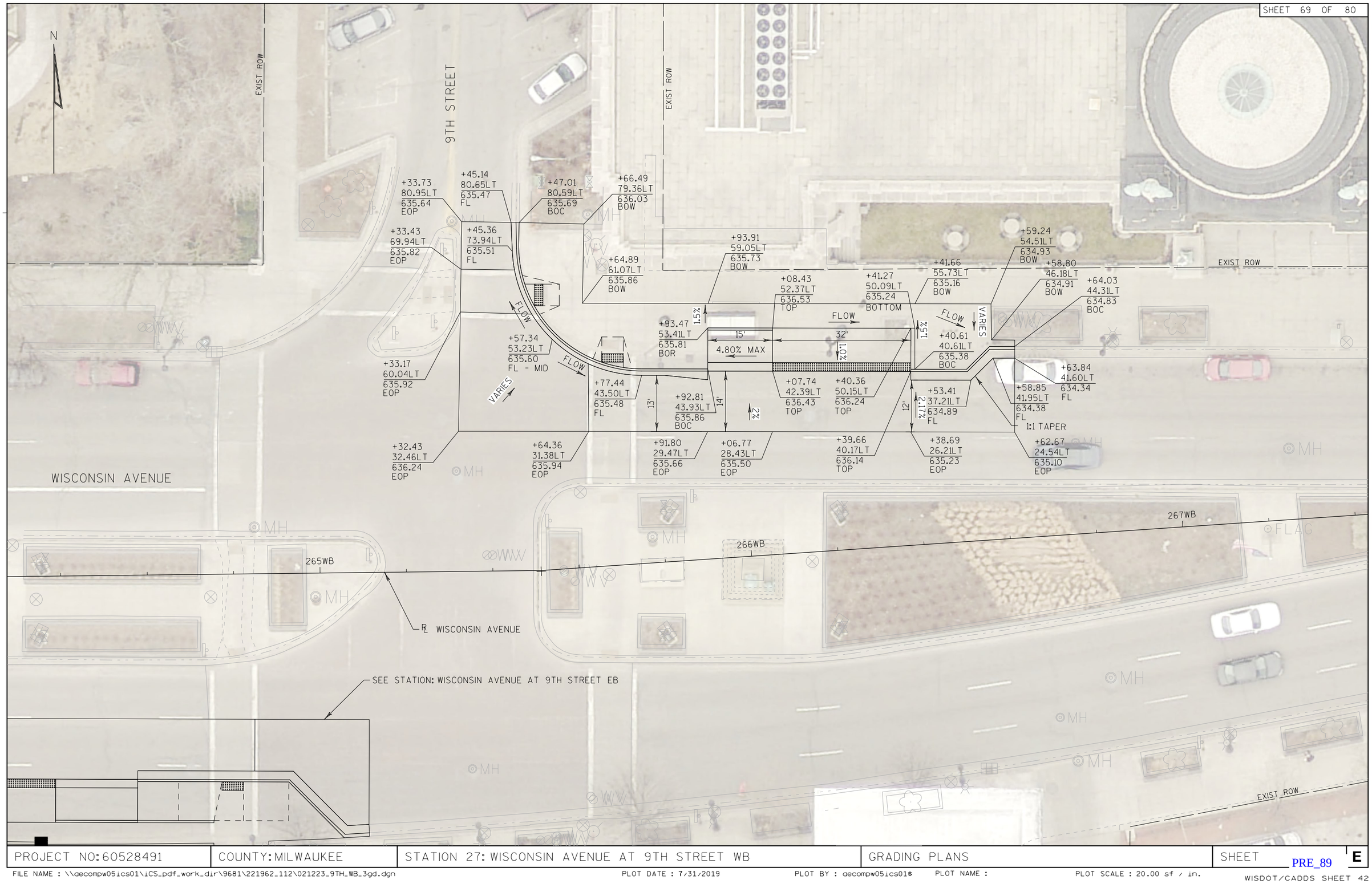
LEGEND

- REINFORCED CONCRETE PLATFORM
- CONCRETE PLATFORM RAMP
- CONCRETE PAVEMENT 12-INCH
- CONCRETE SIDEWALK 5-INCH
- SOD LAWN
- CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
- LANDING AREA
- CONCRETE PAVEMENT 12-INCH, COLORED AND STAMPED

CD	CONCRETE DRIVEWAY 6-INCH
AP	ASPHALTIC SURFACE
G-24	CONCRETE GUTTER 24-INCH (PAVED INTEGRAL TO LANE, SEE DETAIL)
G-18	CONCRETE GUTTER 18-INCH (PAVED INTEGRAL TO LANE, SEE DETAIL)
CG-18A	CONCRETE CURB AND GUTTER 18-INCH TYPE A
CG-30A	CONCRETE CURB AND GUTTER 30-INCH TYPE A
CG-30D	CONCRETE CURB AND GUTTER 30-INCH TYPE D
CGI-30D	CONCRETE CURB AND GUTTER INTEGRAL 30-INCH TYPE D
CG-24D	CONCRETE CURB AND GUTTER 24-INCH TYPE D
CP	CONCRETE CURB PEDESTRIAN
CPR	CONCRETE CURB PLATFORM RAMP (SEE DETAIL)
CS	CONCRETE STEPS
BR	BICYCLE RACK CONCRETE-MOUNTED
CR-1A	CURB RAMP TYPE 1A
CR-2	CURB RAMP TYPE 2
CR-3	CURB RAMP TYPE 3
CR-7A	CURB RAMP TYPE 7A

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 27: WISCONSIN AVENUE AT 9TH STREET WB	SITE PLANS	SHEET E

PRE_88



PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 27: WISCONSIN AVENUE AT 9TH STREET WB	GRADING PLANS	SHEET E

PRE_89

FINAL LOCATIONS FOR WESTBOUND AND EASTBOUND STATIONS AT 5TH STREET AND WISCONSIN AWAITING PLAZA DESIGN

N

EXIST ROW

EXIST ROW

279WB 280WB 281WB 282WB 283WB 284WB

WISCONSIN AVENUE

℄ WISCONSIN AVENUE

EXIST ROW

EXIST ROW

5TH STREET

EXIST ROW

EXIST ROW

VEL R. PHILLIPS AVENUE

EXIST ROW

LEGEND

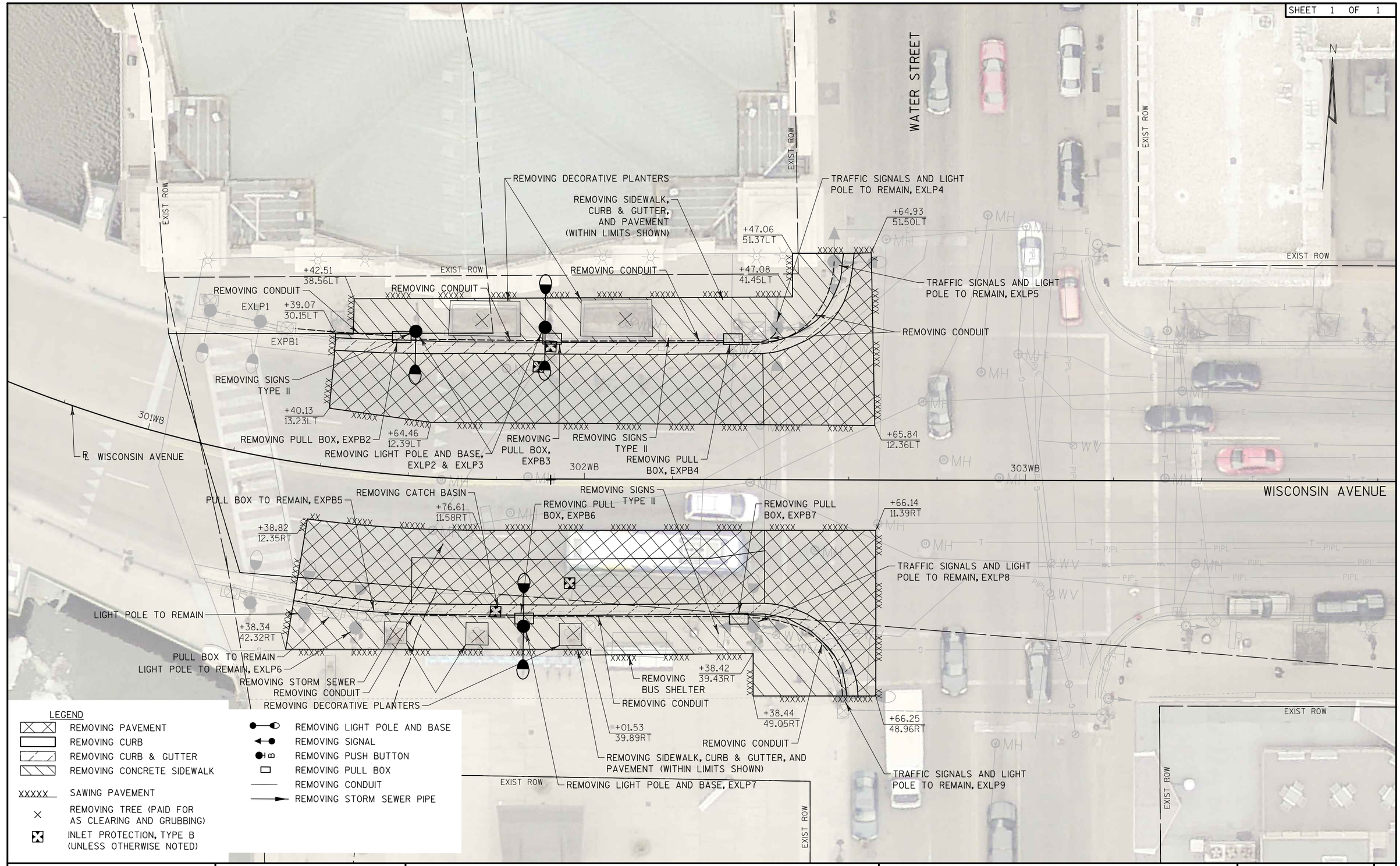
REINFORCED CONCRETE PLATFORM	CD	CONCRETE DRIVEWAY 6-INCH	CG-24D CONCRETE CURB AND GUTTER 24-INCH TYPE D
CONCRETE PLATFORM RAMP	AP	ASPHALTIC SURFACE	CP CONCRETE CURB PEDESTRIAN
CONCRETE PAVEMENT 12-INCH	G-24	CONCRETE GUTTER 24-INCH (PAVED INTEGRAL TO LANE, SEE DETAIL)	CPR CONCRETE CURB PLATFORM RAMP (SEE DETAIL)
CONCRETE SIDEWALK 5-INCH	G-18	CONCRETE GUTTER 18-INCH (PAVED INTEGRAL TO LANE, SEE DETAIL)	CS CONCRETE STEPS
SOD LAWN	CG-18A	CONCRETE CURB AND GUTTER 18-INCH TYPE A	BR BICYCLE RACK CONCRETE-MOUNTED
CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA	CG-30A	CONCRETE CURB AND GUTTER 30-INCH TYPE A	CR-1A CURB RAMP TYPE 1A
LANDING AREA	CG-30D	CONCRETE CURB AND GUTTER 30-INCH TYPE D	CR-2 CURB RAMP TYPE 2
CONCRETE PAVEMENT 12-INCH, COLORED AND STAMPED	CGI-30D	CONCRETE CURB AND GUTTER INTEGRAL 30-INCH TYPE D	CR-3 CURB RAMP TYPE 3
			CR-7A CURB RAMP TYPE 7A

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 28 & 29: WISCONSIN AVENUE AT 5TH STREET WB & EB	SITE PLANS	SHEET E

PRE_90

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\AECOM\Sheets\021224c_5TH_WB_EB_2sp.dgrPLOT DATE : 8/1/2019 PLOT BY : mrozz PLOT NAME : PLOT SCALE : 40.00 sf / in.

WISDOT/CADDS SHEET 42



PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 30 & 31: WISCONSIN AVENUE AT WATER STREET WB & EB	REMOVAL SHEETS	SHEET E

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\AECOM\Sheets\021224c_WATER_WB_EB_1rm.dgn PLOT DATE : 8/1/2019 PLOT BY : mrozz PLOT NAME : PLOT SCALE : 20.00 sf / in.

LEGEND

- REINFORCED CONCRETE PLATFORM
- CONCRETE PLATFORM RAMP
- CONCRETE PAVEMENT 12-INCH
- CONCRETE SIDEWALK 5-INCH
- SOD LAWN
- CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
- LANDING AREA
- CONCRETE PAVEMENT 12-INCH, COLORED AND STAMPED

- CD — CONCRETE DRIVEWAY 6-INCH
- AP — ASPHALTIC SURFACE
- G-24 — CONCRETE GUTTER 24-INCH (PAVED INTEGRAL TO LANE, SEE DETAIL)
- G-18 — CONCRETE GUTTER 18-INCH (PAVED INTEGRAL TO LANE, SEE DETAIL)
- CG-18A — CONCRETE CURB AND GUTTER 18-INCH TYPE A
- CG-30A — CONCRETE CURB AND GUTTER 30-INCH TYPE A
- CG-30D — CONCRETE CURB AND GUTTER 30-INCH TYPE D
- CGI-30D — CONCRETE CURB AND GUTTER INTEGRAL 30-INCH TYPE D
- CG-24D — CONCRETE CURB AND GUTTER 24-INCH TYPE D
- CP — CONCRETE CURB PEDESTRIAN
- CPR — CONCRETE CURB PLATFORM RAMP (SEE DETAIL)
- CS — CONCRETE STEPS
- BR — BICYCLE RACK CONCRETE-MOUNTED
- CR-1A — CURB RAMP TYPE 1A
- CR-2 — CURB RAMP TYPE 2
- CR-3 — CURB RAMP TYPE 3
- CR-7A — CURB RAMP TYPE 7A

WATER STREET

EXIST ROW

N

CATCH BASIN TYPE 44A (CB 30.1)
INLET COVERS TYPE BW
RIM EL. = 592.52
INVERT EL. = XXX.XX
SUMP EL. =***.##
CONNECT TO XX" SS PIPE

+35.98 49.48LT 25'R

+47.06 51.37LT

TAPER CURB HEAD TO MATCH EXISTING OVER 5 FT

+64.93 51.50LT

+60.96 50.45LT

CG-30A

CR-2

2'X5'

+12.46 35.55LT

+09.81 32.03LT

CP

+42.51 38.56LT

+39.07 30.15LT

15' 32' 15'

+47.08 41.45LT

+43.45 30.62LT

+44.98 25.21LT

+64.59 24.42LT

+40.13 13.23LT

+35.88 24.48LT

+28.08 24.51LT

+65.84 12.36LT

CG-30A

+64.46 12.39LT

CPR

G-24

2'x32'

ADJUSTING MANHOLE COVERS

301WB

℄ WISCONSIN AVENUE

302WB

303WB

WISCONSIN AVENUE

ADJUSTING MANHOLE COVERS

+38.82 12.35RT

+76.61 11.58RT

+66.14 11.39RT

+43.16 27.47RT

+59.08 23.56RT

+66.49 23.01RT

+27.28 22.51RT

+37.17 22.48RT

TAPER CURB HEAD TO MATCH EXISTING OVER 5 FT

+38.34 42.32RT

+01.53 39.89RT

+38.42 39.43RT

+66.25 48.96RT

+62.25 47.40RT

33LF SSRCP 12-INCH
US INVERT EL. (31.1) = 588.17
DS INVERT EL. (EX MH) = ***.**
SLOPE = **.*%

CATCH BASIN TYPE 44A (CB 31.1)
INLET COVERS TYPE BW
RIM EL. = 592.42
SUMP EL. = 584.19

+37.25 47.48RT 25'R

+38.44 49.05RT

EXIST ROW

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 30 & 31: WISCONSIN AVENUE AT WATER STREET WB & EB	SITE PLANS	SHEET E

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\AECOM\Sheets\021224c_WATER_WB_EB_2sp.dgn PLOT DATE : 7/31/2019 PLOT BY : mrozz PLOT NAME : PLOT SCALE : 20.00 sf / in.

N

WATER STREET

EXIST ROW

EXIST ROW

EXIST ROW

EXIST ROW

EXIST ROW

EXIST ROW

EXIST ROW

EXIST ROW

EXIST ROW

WISCONSIN AVENUE

℄ WISCONSIN AVENUE

301WB

302WB

303WB

+63.51
40.48LT
593.23
BOW

+63.84
36.40LT
593.17
BOR

+80.89
36.85LT
593.81
TOP

+13.11
36.57LT
593.98
TOP

+28.09
41.31LT
593.37
BOW

+28.13
36.51LT
593.30
BOR

+47.06
51.37LT
593.59
BOW

+47.08
41.45LT
593.61
BOW

+60.96
50.45LT
592.80
FL

+64.93
51.50LT
592.91
EOP

+42.51
38.56LT
593.39
BOW

+43.45
30.62LT
593.20
BOW

+39.07
30.15LT
593.23
BOW

+39.52
25.22LT
592.76
FL

+44.98
25.21LT
592.70
FL

+64.44
26.92LT
593.08
BOC

+80.91
26.85LT
593.79
TOP

+13.07
26.57LT
593.83
TOP

+28.09
27.01LT
593.16
BOC

+35.88
24.48LT
592.79
FL

+53.97
32.11LT
592.94
FL

+40.13
13.23LT
592.96
EOP

+65.28
12.44LT
592.90
EOP

+80.94
12.85LT
592.86
EOP

+13.02
12.57LT
592.90
EOP

+28.03
12.51LT
592.95
EOP

+35.83
12.48LT
592.98
EOP

+65.84
12.36LT
593.29
EOP

+38.82
12.35RT
592.98
EOP

+59.08
11.97RT
592.90
EOP

+66.49
11.81RT
593.06
EOP

+80.47
11.51RT
593.04
EOP

+96.72
11.61RT
592.87
EOP

+12.29
11.56RT
592.90
EOP

+27.25
11.51RT
592.93
EOP

+37.17
11.48RT
593.09
EOP

+66.14
11.39RT
593.34
EOP

+43.16
27.47RT
592.70
FL

+59.08
23.56RT
592.67
FL

+66.62
25.51RT
593.26
BOC

+80.47
24.51RT
593.99
TOP

+12.29
24.56RT
593.85
TOP

+27.29
25.01RT
593.19
BOC

+37.17
22.48RT
592.87
FL

+54.87
29.75RT
593.10
FL

+38.57
27.34RT
592.75
FL

+67.10
34.99RT
593.28
BOR

+80.56
4.51RT
94.03
TOP

+12.32
34.56RT
593.89
TOP

+27.32
34.51RT
593.33
BOR

+38.41
38.48RT
593.39
BOW

+66.25
48.96RT
592.93
EOP

+38.34
42.32RT
593.42
BOW

+38.99RT
593.22
BOW

+27.33
39.57RT
593.41
BOW

+38.44
49.05RT
593.59
BOW

+62.25
47.40RT
592.90
FL

1.5%

4'

15'

32'

15'

4.73% MAX

4.53% MAX

1.5%

1.50%

12'

14'

2%

1.75%

12'

VARIES

VARIES

11.2'

11.3'

2%

1.5%

11'

5.00% MAX

4.40% MAX

15'

32'

15'

1.5%

1.5%

4'

1.5%

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 30 & 31: WISCONSIN AVENUE AT WATER STREET WB & EB	GRADING PLANS	SHEET E

PRE_93

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\AECOM\Sheets\021224c_WATER_WB_EB_3gd.dgn PLOT DATE : 8/1/2019 PLOT BY : mrozz PLOT NAME : PLOT SCALE : 20.00 sf / in.

WISDOT/CADDS SHEET 42

N

JACKSON STREET

EXIST ROW

PULL BOX TO REMAIN, EXPB1

REMOVING SIDEWALK, CURB & GUTTER, AND PAVEMENT (WITHIN LIMITS SHOWN)

REMOVING BIKE RACKS

REMOVING CONDUIT

REMOVING BUS SHELTER

+45.30
50.66LT

+86.31
50.66LT

+86.31
30.31LT

+19.96
39.99LT

+19.96
30.38LT

+74.84
39.99LT

+74.84
30.29LT

EXPB4

+87.67
30.12LT

REMOVING CONDUIT

+87.67
27.53LT

REMOVING PULL BOX, EXPB3

+44.41
11.00LT

EXLP4

WISCONSIN AVENUE

TRAFFIC SIGNALS AND LIGHT POLE TO REMAIN, EXLP1

REMOVING CONDUIT

316WB

317WB

REMOVING LIGHT POLE AND BASE, EXLP2 & EXLP3

REMOVING PULL BOX, EXPB2

+87.67
11.00LT

318WB

℄ WISCONSIN AVENUE

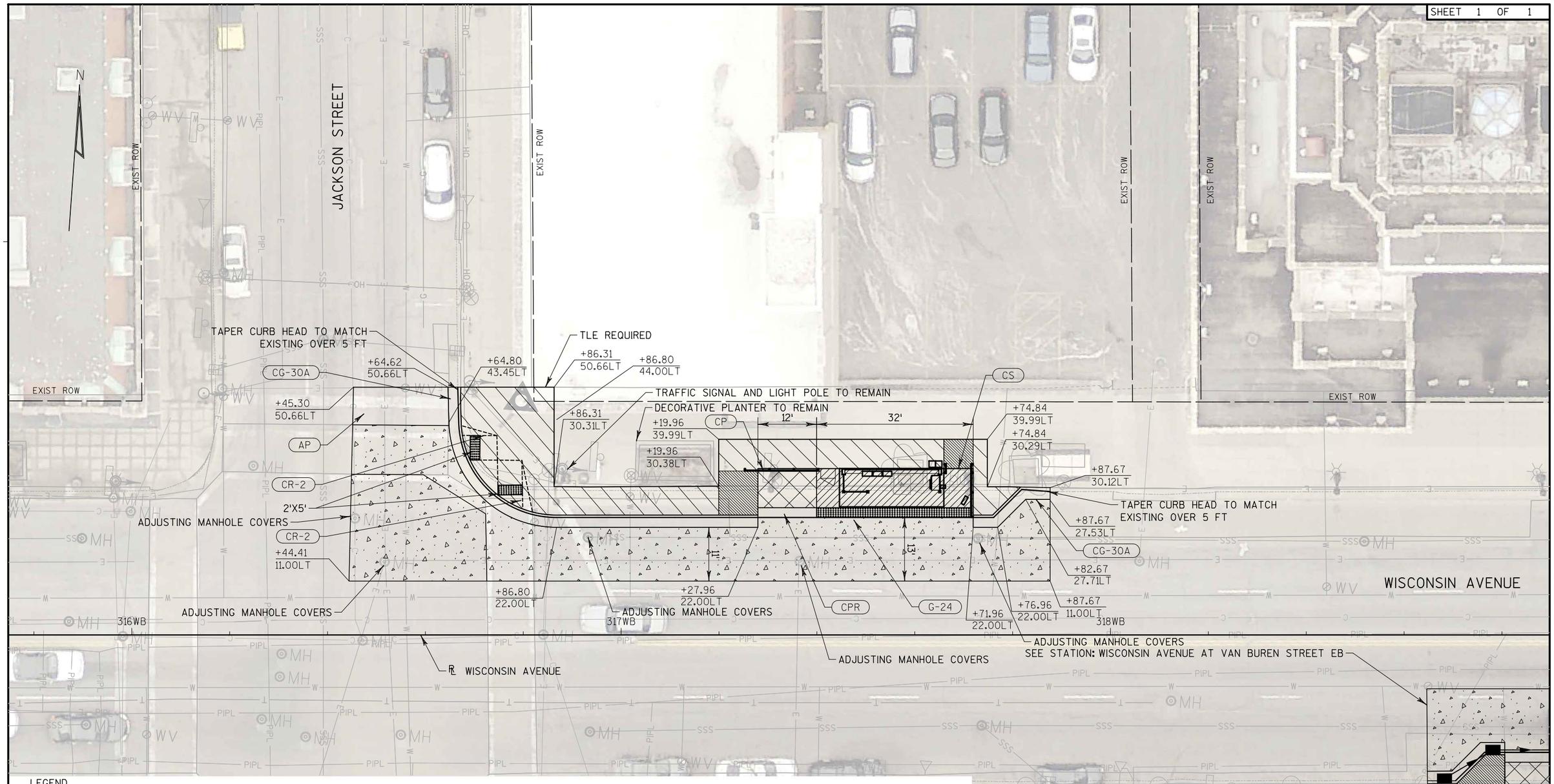
SEE STATION: WISCONSIN AVENUE AT VAN BUREN STREET EB

LEGEND

- REMOVING PAVEMENT
- REMOVING CURB
- REMOVING CURB & GUTTER
- REMOVING CONCRETE SIDEWALK
- XXXXX SAWING PAVEMENT
- × REMOVING TREE (PAID FOR AS CLEARING AND GRUBBING)
- INLET PROTECTION, TYPE B (UNLESS OTHERWISE NOTED)
- REMOVING LIGHT POLE AND BASE
- REMOVING SIGNAL
- REMOVING PUSH BUTTON
- REMOVING PULL BOX
- REMOVING CONDUIT
- REMOVING STORM SEWER PIPE

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 32: WISCONSIN AVENUE AT JACKSON STREET WB	REMOVAL SHEETS	SHEET E

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\AECOM\Sheets\021229_Jackson_WB_1rm.dgrPLOT DATE : 8/1/2019 PLOT BY : mrozz PLOT NAME : PLOT SCALE : 20.00 sf / in.



LEGEND

	REINFORCED CONCRETE PLATFORM
	CONCRETE PLATFORM RAMP
	CONCRETE PAVEMENT 12-INCH
	CONCRETE SIDEWALK 5-INCH
	SOD LAWN
	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
	LANDING AREA
	CONCRETE PAVEMENT 12-INCH, COLORED AND STAMPED

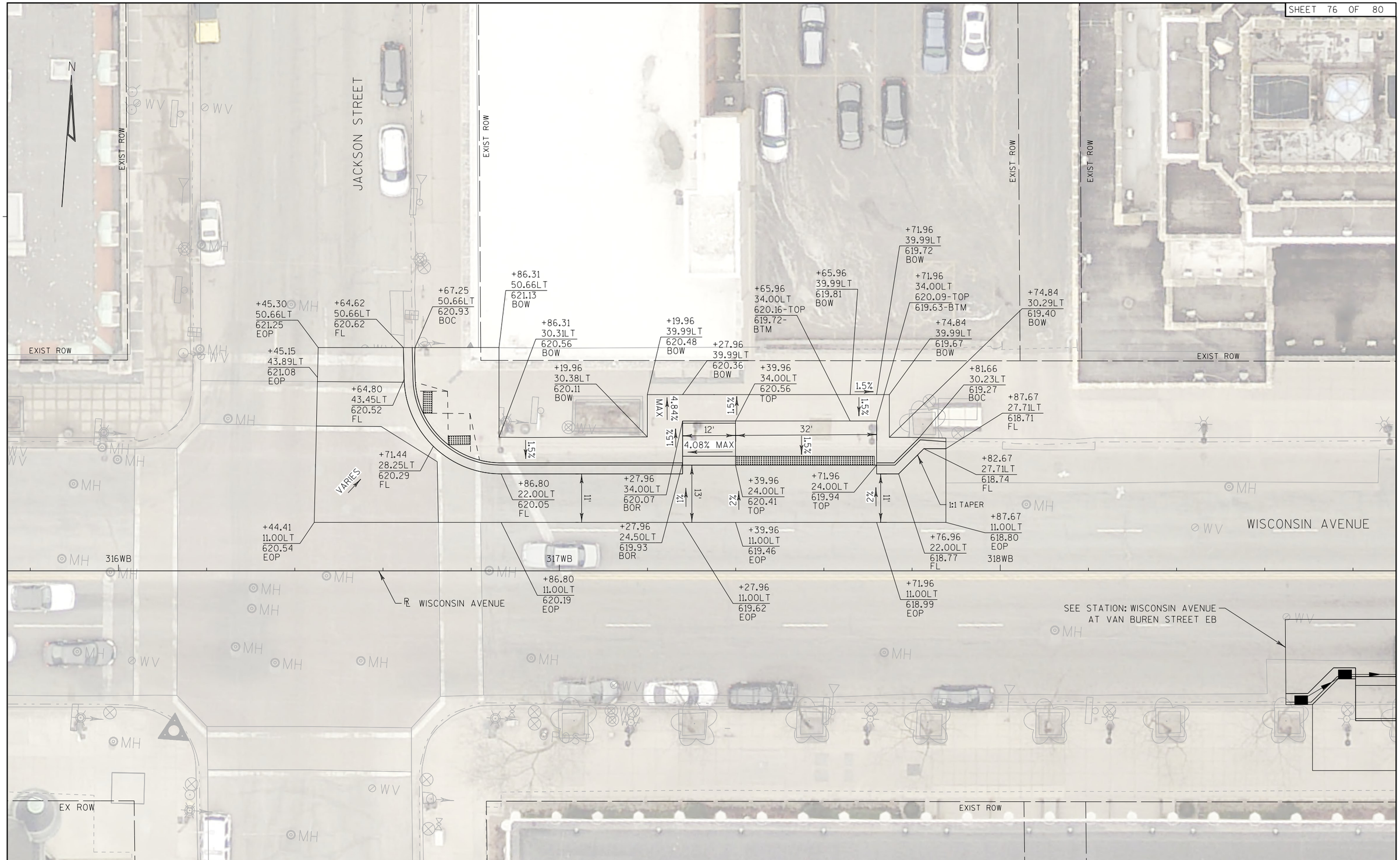
CD	CONCRETE DRIVEWAY 6-INCH
AP	ASPHALTIC SURFACE
G-24	CONCRETE GUTTER 24-INCH (PAVED INTEGRAL TO LANE, SEE DETAIL)
G-18	CONCRETE GUTTER 18-INCH (PAVED INTEGRAL TO LANE, SEE DETAIL)
CG-18A	CONCRETE CURB AND GUTTER 18-INCH TYPE A
CG-30A	CONCRETE CURB AND GUTTER 30-INCH TYPE A
CG-30D	CONCRETE CURB AND GUTTER 30-INCH TYPE D
CGI-30D	CONCRETE CURB AND GUTTER INTEGRAL 30-INCH TYPE D

CG-24D	CONCRETE CURB AND GUTTER 24-INCH TYPE D
CP	CONCRETE CURB PEDESTRIAN
CPR	CONCRETE CURB PLATFORM RAMP (SEE DETAIL)
CS	CONCRETE STEPS
BR	BICYCLE RACK CONCRETE-MOUNTED
CR-1A	CURB RAMP TYPE 1A
CR-2	CURB RAMP TYPE 2
CR-3	CURB RAMP TYPE 3
CR-7A	CURB RAMP TYPE 7A

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 32: WISCONSIN AVENUE AT JACKSON STREET WB	SITE PLANS	SHEET E

PRE_95

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\AECOM\Sheets\021229_Jackson_WB_2sp.dgrPLOT DATE : 7/31/2019 PLOT BY : mrozz PLOT NAME : PLOT SCALE : 20.00 sf / in.



PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 32: WISCONSIN AVENUE AT JACKSON STREET WB	GRADING PLANS	SHEET E

PRE_96

FILE NAME : \\aecompw05ics01\iCS_pdf_work_dir\9681\221962_124\021229_Jackson_WB_3gd.dgn PLOT DATE : 7/31/2019 PLOT BY : aecompw05ics01$ PLOT NAME : PLOT SCALE : 20.00 sf / in.

N

EXIST ROW

EXIST ROW

EXIST ROW

VAN BUREN STREET

EXLP3

EXPB6

WISCONSIN AVENUE

318WB

319WB

320WB

321WB

REMOVING PULL BOX, EXPB4

REMOVING CONDUIT

REMOVING PULL BOX, EXPB2 & EXPB3

REMOVING CONDUIT

REMOVING STORM SEWER PARTIAL

REMOVING INLET

+84.65
11.00RT

REMOVING CONDUIT

+65.58
11.00RT

℄ WISCONSIN AVENUE

PULL BOX TO REMAIN, EXPB1

PULL BOX TO REMAIN, EXPB5

+84.78
30.38RT

TRAFFIC SIGNALS AND LIGHT POLE TO REMAIN, EXLP2

LIGHT POLE TO REMAIN, EXLP1

+90.81
45.31RT

EXIST ROW

REMOVING DECORATIVE PLANTER

REMOVING BUS SHELTER

REMOVING DECORATIVE PLANTER

+37.08
45.31RT

+37.08
50.05RT

+65.58
50.05RT

REMOVING CONDUIT

EXIST ROW

REMOVING SIDEWALK, CURB & GUTTER AND PAVEMENT (WITHIN LIMITS SHOWN)

EXIST ROW

INLET PROTECTION, TYPE B REQUIRED ON WEST SIDE OF VAN BUREN NORTH OF PARKING LOT

LEGEND

- REMOVING PAVEMENT
- REMOVING CURB
- REMOVING CURB & GUTTER
- REMOVING CONCRETE SIDEWALK
- XXXXX SAWING PAVEMENT
- × REMOVING TREE (PAID FOR AS CLEARING AND GRUBBING)
- INLET PROTECTION, TYPE B (UNLESS OTHERWISE NOTED)
- REMOVING LIGHT POLE AND BASE
- REMOVING SIGNAL
- REMOVING PUSH BUTTON
- REMOVING PULL BOX
- REMOVING CONDUIT
- REMOVING STORM SEWER PIPE

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 33: WISCONSIN AVENUE AT VAN BUREN STREET EB	REMOVAL SHEETS	SHEET E

N

EXIST ROW

VAN BUREN STREET

EXIST ROW

EXIST ROW

WISCONSIN AVENUE

318WB

319WB

320WB

321WB

CATCH BASIN TYPE 44A (CB 33.2)
INLET COVERS TYPE H
RIM EL.= 616.39
SUMP EL. = 607.95

CG-30A

12LF SSRCP 12-INCH
US INVERT = 611.93
DS INVERT = 611.81
SLOPE = 1.00%

+69.77
27.82RT

TAPER CURB HEAD TO MATCH
EXISTING OVER 5 FT

CATCH BASIN TYPE 44A (CB 33.1)
INLET COVERS TYPE H
RIM EL.= 616.18
SUMP EL. = 607.95
DECORATIVE PLANTER TO REMAIN

+70.81
30.31RT

+70.81
45.31RT

54LF SSRCP 12-INCH
US INVERT = 611.93
DS INVERT = 6**.**
SLOPE = *.**%

+75.59
22.00RT

+64.65
11.00RT

2'X32'

CPR

G-24

CG-30A

ADJUSTING
MANHOLE COVERS

+34.58
22.00RT

CATCH BASIN TYPE 44A (CB 33.3)
INLET COVERS TYPE H
RIM EL.= 615.10
SUMP EL. = 6**.**
CONNECT TO EXISTING 12" STORM SEWER PIPE

TRAFFIC SIGNAL AND LIGHT POLE TO REMAIN

2'X5'

CR-2

2'X5'

CP

CS

AP

LIGHT POLE TO REMAIN

12'

32'

+34.58
42.00RT
20'R

+37.08
45.31RT

+37.08
50.05RT

+54.58
44.01RT

TAPER CURB HEAD TO MATCH
EXISTING OVER 5 FT

℄ WISCONSIN AVENUE

EXIST ROW

EXIST ROW

EXIST ROW

LEGEND

	REINFORCED CONCRETE PLATFORM
	CONCRETE PLATFORM RAMP
	CONCRETE PAVEMENT 12-INCH
	CONCRETE SIDEWALK 5-INCH
	SOD LAWN
	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
	LANDING AREA
	CONCRETE PAVEMENT 12-INCH, COLORED AND STAMPED

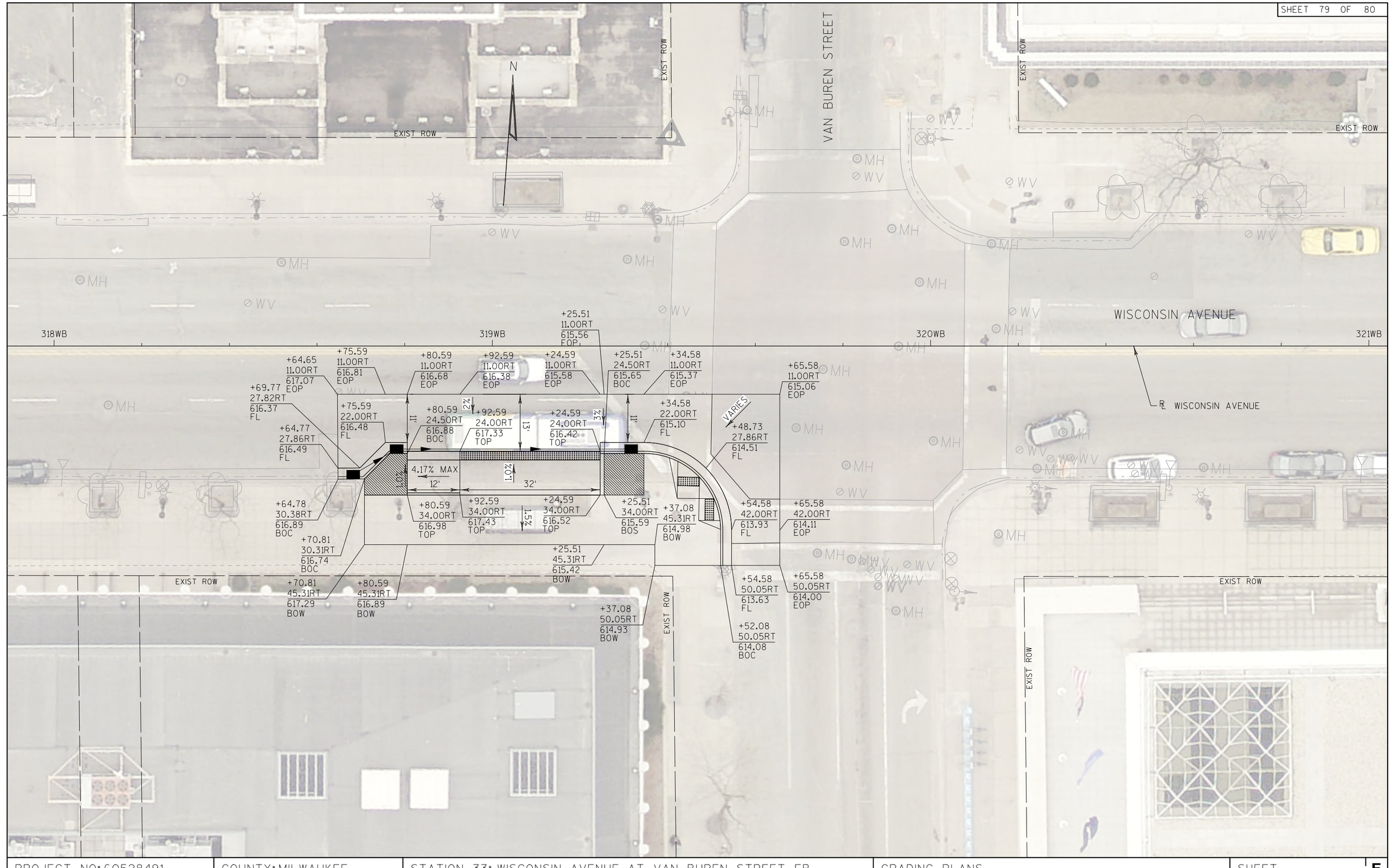
CD	CONCRETE DRIVEWAY 6-INCH
AP	ASPHALTIC SURFACE
G-24	CONCRETE GUTTER 24-INCH (PAVED INTEGRAL TO LANE, SEE DETAIL)
G-18	CONCRETE GUTTER 18-INCH (PAVED INTEGRAL TO LANE, SEE DETAIL)
CG-18A	CONCRETE CURB AND GUTTER 18-INCH TYPE A
CG-30A	CONCRETE CURB AND GUTTER 30-INCH TYPE A
CG-30D	CONCRETE CURB AND GUTTER 30-INCH TYPE D
CGI-30D	CONCRETE CURB AND GUTTER INTEGRAL 30-INCH TYPE D

CG-24D	CONCRETE CURB AND GUTTER 24-INCH TYPE D
CP	CONCRETE CURB PEDESTRIAN
CPR	CONCRETE CURB PLATFORM RAMP (SEE DETAIL)
CS	CONCRETE STEPS
BR	BICYCLE RACK CONCRETE-MOUNTED
CR-1A	CURB RAMP TYPE 1A
CR-2	CURB RAMP TYPE 2
CR-3	CURB RAMP TYPE 3
CR-7A	CURB RAMP TYPE 7A

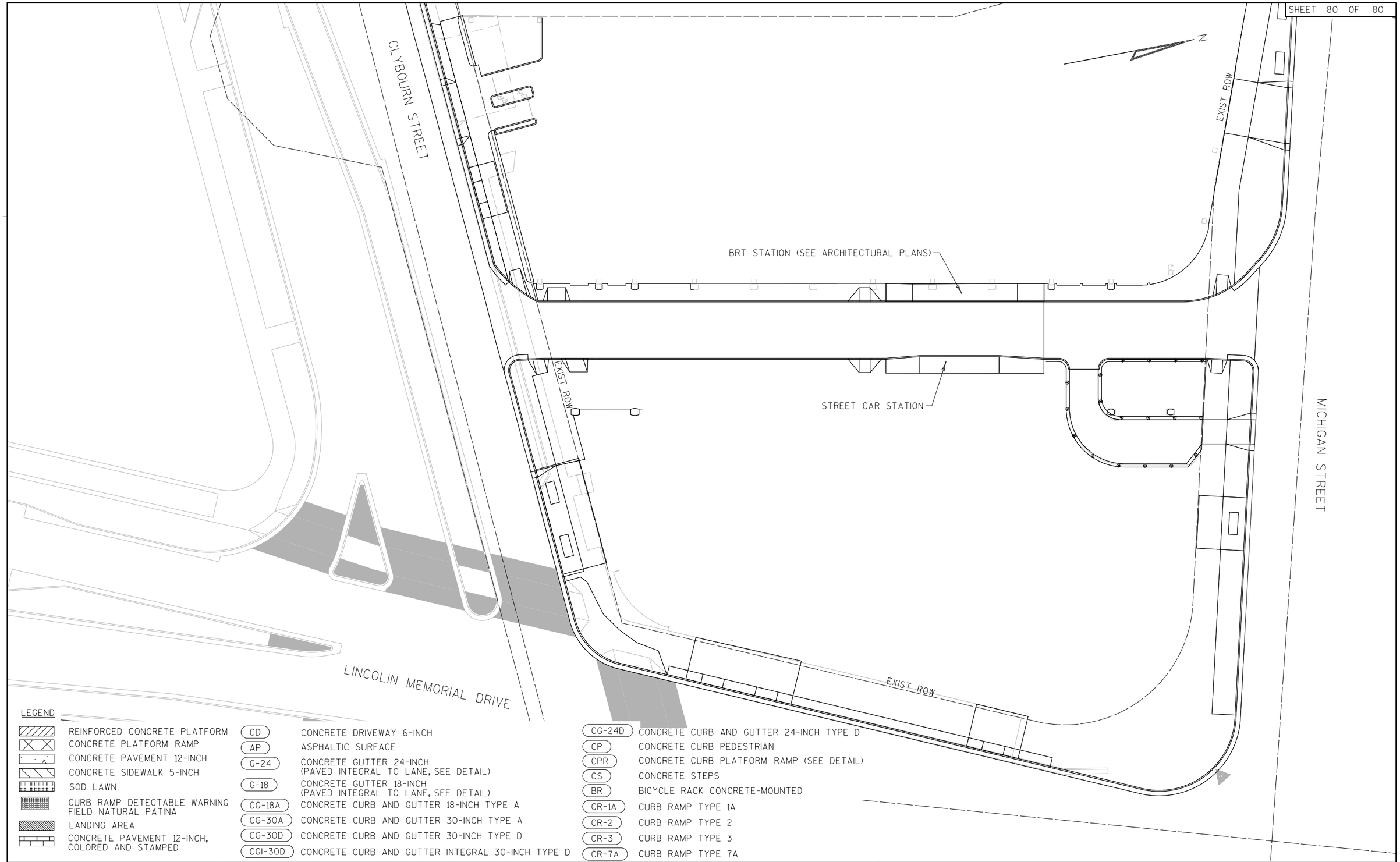
PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 33: WISCONSIN AVENUE AT VAN BUREN STREET EB	SITE PLANS	SHEET E

PRE_98

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\AECOM\Sheets\021230_VanBuren_EB_2sp.dgn PLOT DATE : 7/31/2019 PLOT BY : mrozz PLOT NAME : PLOT SCALE : 20.00 sf / in.



PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 33: WISCONSIN AVENUE AT VAN BUREN STREET EB	GRADING PLANS	SHEET E



LEGEND

	REINFORCED CONCRETE PLATFORM	CD	CONCRETE DRIVEWAY 6-INCH
	CONCRETE PLATFORM RAMP	AP	ASPHALTIC SURFACE
A	CONCRETE PAVEMENT 12-INCH	G-24	CONCRETE GUTTER 24-INCH (PAVED INTEGRAL TO LANE, SEE DETAIL)
	CONCRETE SIDEWALK 5-INCH	G-18	CONCRETE GUTTER 18-INCH (PAVED INTEGRAL TO LANE, SEE DETAIL)
	SOD LAWN	CG-18A	CONCRETE CURB AND GUTTER 18-INCH TYPE A
	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA	CG-30A	CONCRETE CURB AND GUTTER 30-INCH TYPE A
	LANDING AREA	CG-30D	CONCRETE CURB AND GUTTER 30-INCH TYPE D
	CONCRETE PAVEMENT 12-INCH, COLORED AND STAMPED	CGI-30D	CONCRETE CURB AND GUTTER INTEGRAL 30-INCH TYPE D

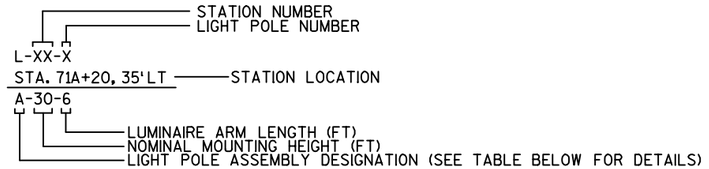
CG-24D	CONCRETE CURB AND GUTTER 24-INCH TYPE D
CP	CONCRETE CURB PEDESTRIAN
CPR	CONCRETE CURB PLATFORM RAMP (SEE DETAIL)
CS	CONCRETE STEPS
BR	BICYCLE RACK CONCRETE-MOUNTED
CR-1A	CURB RAMP TYPE 1A
CR-2	CURB RAMP TYPE 2
CR-3	CURB RAMP TYPE 3
CR-7A	CURB RAMP TYPE 7A

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 34: COUTURE STATION	SITE PLANS	SHEET E

PRE_100

LEGEND

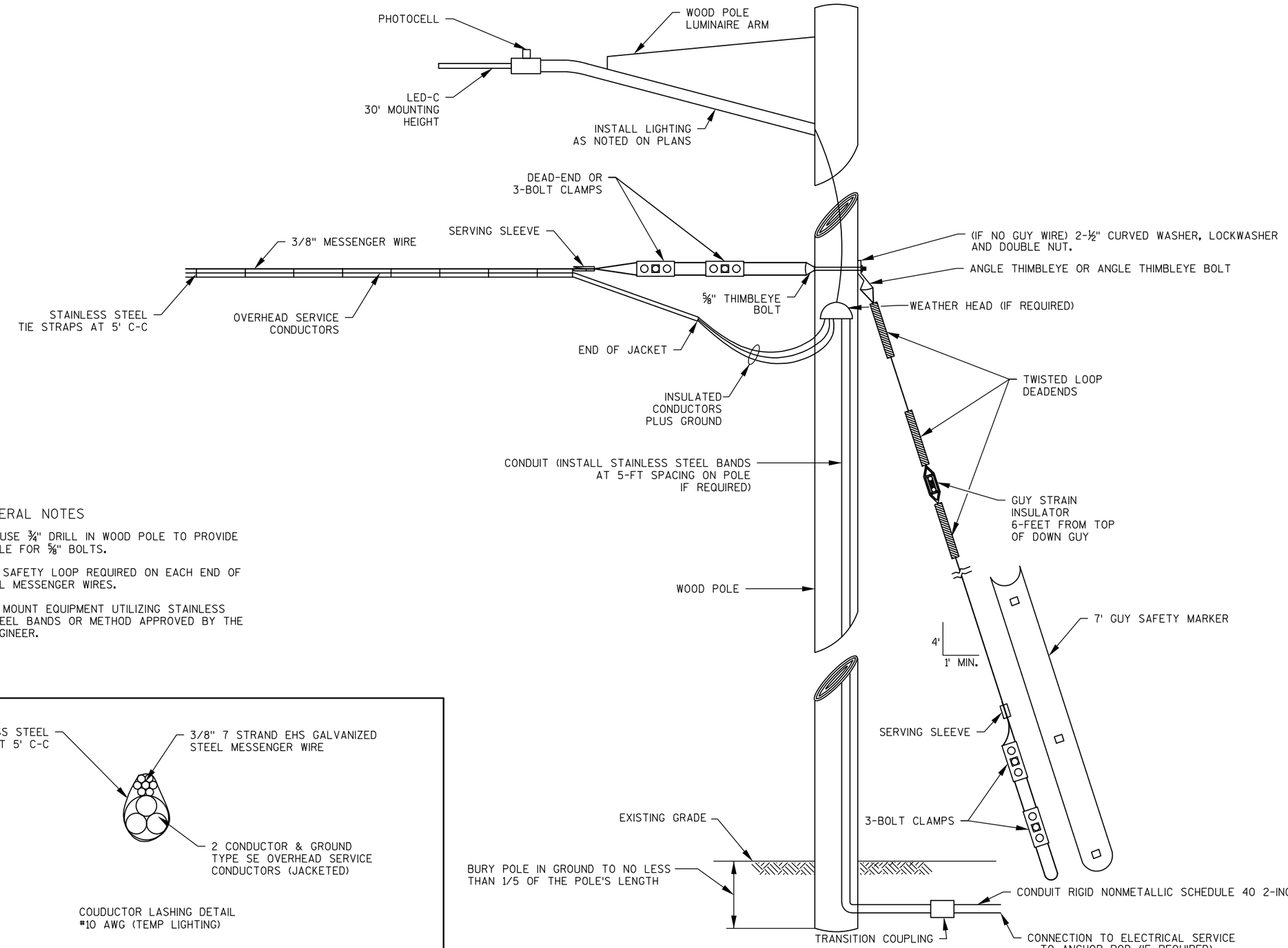
- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- HDPE CONDUIT
- CONDUIT SPECIAL 3", UNLESS OTHERWISE NOTED
- JUNCTION BOX
- CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
- LANDING AREA
- WISDOT LIGHT POLE ASSEMBLY
- DECORATIVE STREET LIGHT ASSEMBLY
- DECORATIVE SINGLE PEDESTRIAN STREET LIGHT ASSEMBLY
- DECORATIVE PEDESTRIAN STREET LIGHT ASSEMBLY
- CITY STANDARD LIGHT POLE ASSEMBLY
- CONCRETE DIRECT BURIAL LIGHT POLE ASSMELBY



LIGHT POLE ASSEMBLY DESIGNATION	CONCRETE BASE	BASE	LIGHT POLE	ARM	LUMINAIRE
A - WISDOT LIGHT POLE ASSEMBLY	-	-	-	-	-
B - DECORATIVE STREET LIGHT ASSEMBLY	-	-	-	-	-
C - DECORATIVE SINGLE PEDSTRIAN STREET LIGHT ASSEMBLY	-	-	-	-	-
D - DECORATIVE PEDESTRIAN STREET LIGHT ASSEMBLY	-	-	-	-	-
E - WAUWATOSA STANDARD LIGHT POLE ASSEMBLY	TYPE 5	TRANSFORMER	VALMONT - 30' ALUMINUM	VALMONT - 6' SPAN ALUMINUM	LEOTEK GREEN COBRA LED F
F - CONCRETE DIRECT BURIAL LIGHT POLE ASSEMLBY	-	-	-	-	-

LIGHTING GENERAL NOTES

1. VERIFY ALL OF THE INFORMATION SHOWN ON THE CONTRACT DRAWINGS WHICH WOULD AFFECT THE WORK UNDER THIS CONTRACT.
2. ALL NEW CONDUITS, CABLE DUCTS, DIRECT BURIAL CABLES, AND ACCESSORIES ARE INDICATED DIAGRAMMATICALLY ON THE DRAWINGS. THE ACTUAL LOCATIONS IN THE FIELD SHALL MEET WITH APPROVAL OF THE ENGINEER.
3. PERFORM THE ELECTRICAL WORK IN ACCORDANCE WITH WISDOT LATEST STANDARDS, THE SPECIAL PROVISIONS AND APPLICABLE SECTIONS OF THE WISDOT STANDARD SPECIFICATIONS (LATEST VERSION).
4. INSTALL ALL FOUNDATIONS IN ORDER FOR THE PROPOSED AND FUTURE LUMINAIRES TO BE ORIENTED WITH THE OPTICS PERPENDICULAR TO THE ROADWAY UNLESS INDICATED OR DIRECTED BY THE ENGINEER.
5. INSTALL CONDUITS AT A MINIMUM 24" DEPTH BELOW GRADE AND POSITIONED IN THE FIELD TO AVOID CONFLICT WITH ROADWAY UNDERDRAINS AND OTHER EXISTING AND PROPOSED UTILITIES. INCREASE DEPTH OF DUCT AND CONDUIT AS REQUIRED AT NO ADDITIONAL COST. COORDINATE RACEWAY DEPTH WITH THE ELECTRICAL DETAILS AND THE ENGINEER.
6. ALL CONDUIT USED FOR BORED CABLE RUNS UNDER PAVEMENTS SHALL BE POLYVINYL CHLORIDE (PVC), SCHEDULE 40 IN CONFORMANCE WITH SECTION 652.2.3 OF THE WISDOT SPECIFICATIONS.
7. CAP CONDUIT ON BOTH ENDS UNTIL CABLING IS PLACED. FURNISH AND INSTALL A MANUFACTURER APPROVED CAP FOR ALL CONDUITS. DUCT TAPE AND OTHER TAPE NOT ACCEPTABLE MEANS OF CONDUIT CAP. EXTEND CONDUIT ONE FOOT BEYOND THE BACK OF CURB EDGE OR TWO FEET BEYOND SHOULDER IF NO CURB.
8. FURNISH AND INSTALL CABLE PULL STRINGS OR WIRES IN ALL CONDUITS. PULL WIRES MUST BE ACCESSIBLE AND ANCHORED AT EACH CONDUIT END FOR EASY FUTURE ACCESS.
9. PITCH ALL CONDUIT TOWARD PULL BOXES (JUNCTION BOXES). A 2" DRAIN DUCT TO DITCH OR STORM SEWER REQUIRED FOR ALL PULL BOXES IN LOW POINTS. THIS 2" DRAIN DUCT IS INCIDENTAL TO THE PULL BOX (JUNCTION BOX) BID ITEM AND IS NOT SHOWN.
10. LIGHTING SYMBOLS ARE ENLARGED FOR CLARITY, USE CENTER OF SYMBOL TO LOCATE EQUIPMENT IN THE FIELD.



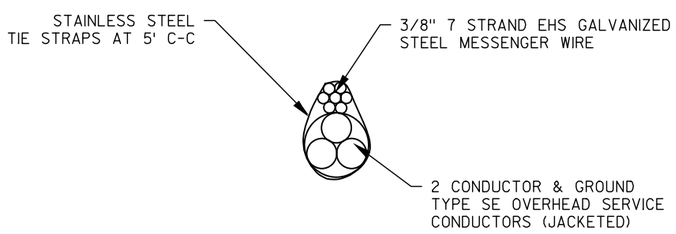
WOOD POLE & OVERHEAD HEAD SERVICE DETAIL
NOT TO SCALE

GENERAL NOTES

1. USE ¾" DRILL IN WOOD POLE TO PROVIDE HOLE FOR ⅝" BOLTS.

2. SAFETY LOOP REQUIRED ON EACH END OF ALL MESSENGER WIRES.

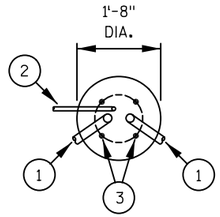
3. MOUNT EQUIPMENT UTILIZING STAINLESS STEEL BANDS OR METHOD APPROVED BY THE ENGINEER.

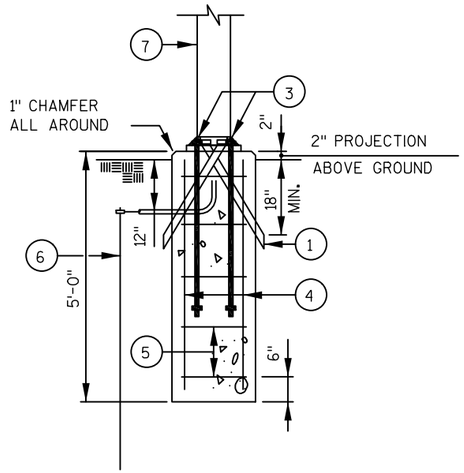


COUDUCTOR LASHING DETAIL
#10 AWG (TEMP LIGHTING)

OVERHEAD SERVICE CONDUCTORS
NOT TO SCALE

PROJECT NO: 60528491	COUNTY: MILWAUKEE	TEMPORARY LIGHTING	LIGHTING DETAILS	SHEET E

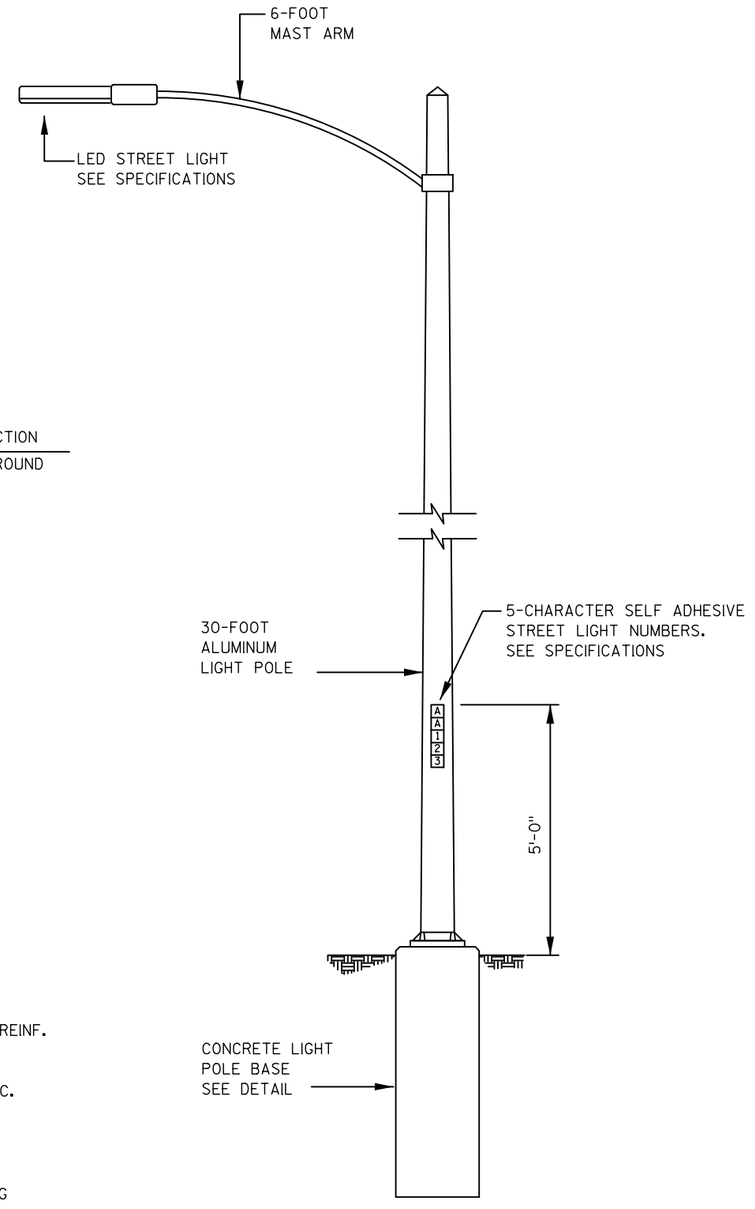




1. (2) 2 1/2 - INCH DIA. CONDUITS
2. 1-INCH DIA. CONDUIT FOR GROUNDING PURPOSES. EXIT 12-INCHES BELOW GRADE.
3. (4) 1-INCH DIA. X 3'-6" ANCHOR RODS. 11 1/2" BOLT CIRCLE. (VERIFY WITH POLE MANUFACTURER).
4. (6) NO. 4 x 4'-8" VERTICAL BAR STEEL REINF. COATED WITH POWDER EPOXY RESIN.
5. (5) NO. 4 x 5'-1" HOOP TIES AT 1'-0" C-C. COATED WITH POWDER EPOXY RESIN.
6. PROVIDE 8-FOOT LONG COPPERCLAD GROUND ROD WITH APPROVED CLAMP AND AWG NO.8 BARE COPPER GROUNDING CONDUCTOR TO LIGHT POLE.
7. 30-FOOT ALUMINUM LIGHT POLE.

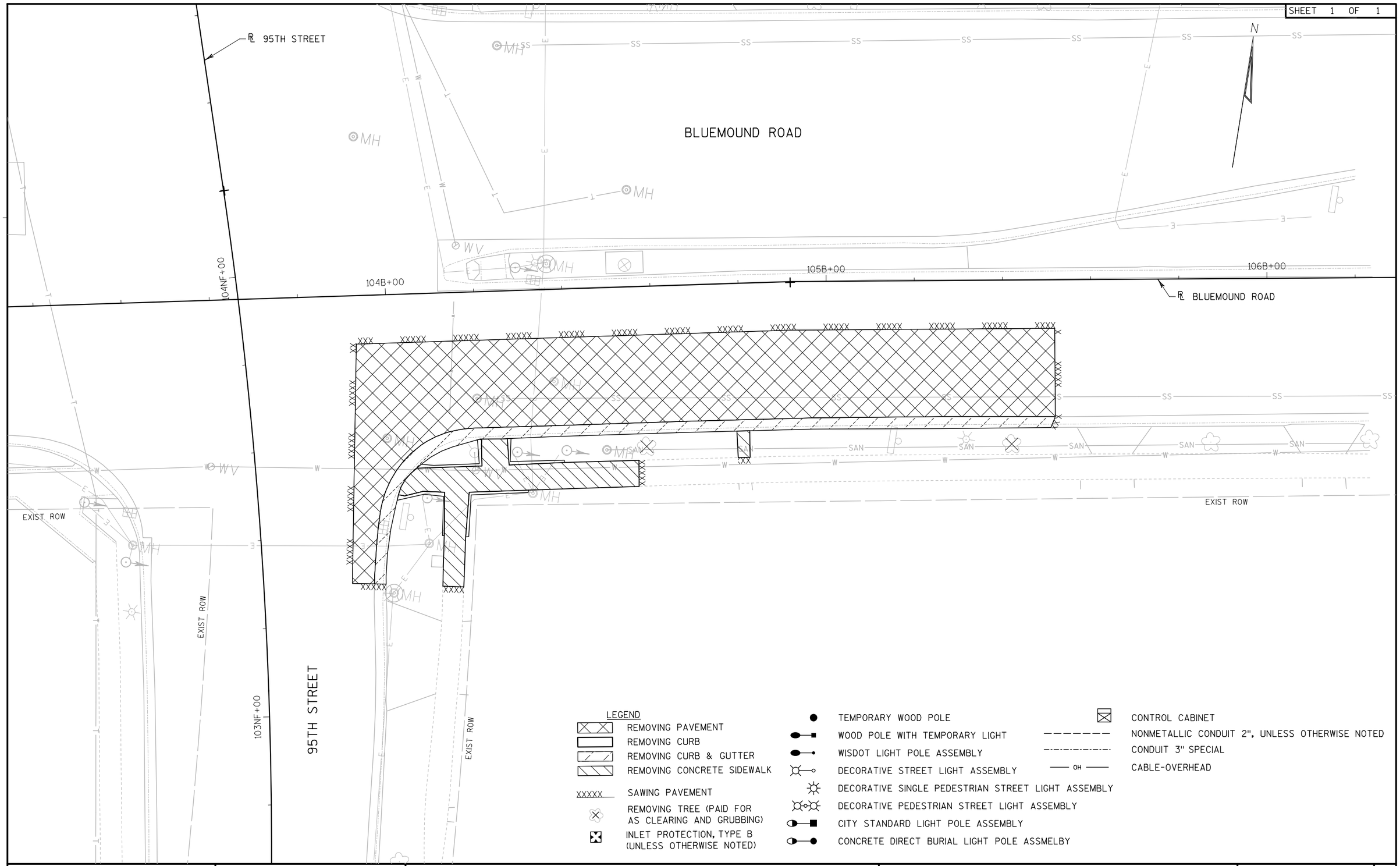
NOT TO SCALE

LIGHT POLE BASE
NOT TO SCALE



LIGHT POLE ASSEMBLY E
WAUWATOSA STANDARD LIGHT POLE ASSEMBLY
NOT TO SCALE

PROJECT NO: 60528491	COUNTY: MILWAUKEE	LIGHT POLE ASSEMBLY E	LIGHTING DETAILS	SHEET E



PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 5: BLUEMOUND ROAD AT 95TH STREET EB	STREET LIGHTING - TEMPORARY	SHEET E

PRE_104

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\AECOM\Sheets\023605_1t_ltg_95TH_EB.dgrPLOT DATE : 7/18/2019 PLOT BY : benjamin.giese PLOT NAME : PLOT SCALE : 20.00 sf / in.

N

BLUEMOUND ROAD

104B+00

105B+00

106B+00

104NF+00

℄ BLUEMOUND ROAD

EXIST ROW

EXIST ROW

EXIST ROW

EXIST ROW

95TH STREET

103NF+00

L-05-1
STA. 105B+44, 37'RT
X-XX-X

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- HDPE CONDUIT
- CONDUIT SPECIAL 3", UNLESS OTHERWISE NOTED
- JUNCTION BOX
- CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
- LANDING AREA
- WISDOT LIGHT POLE ASSEMBLY
- DECORATIVE STREET LIGHT ASSEMBLY
- DECORATIVE SINGLE PEDESTRIAN STREET LIGHT ASSEMBLY
- DECORATIVE PEDESTRIAN STREET LIGHT ASSEMBLY
- CITY STANDARD LIGHT POLE ASSEMBLY
- CONCRETE DIRECT BURIAL LIGHT POLE ASSMELBY

L-XX-X — LIGHT POLE NUMBER
STA. 71A+20, 35'LT — STATION LOCATION
A-30-6
- LUMINAIRE ARM LENGTH (FT)
- NOMINAL MOUNTING HEIGHT (FT)
- LIGHT POLE ASSEMBLY (SEE TITLE SHEET FOR DETAILS)

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 5: BLUEMOUND ROAD AT 95TH STREET EB	STREET LIGHTING - PROPOSED	SHEET E

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\AECOM\Sheets\023605_2p_ltg_95TH_EB.dgrPLOT DATE : 7/30/2019 PLOT BY : tkachukt PLOT NAME : PLOT SCALE : 20.00 sf / in.
WISDOT/CADDS SHEET 42

BLUEMOUND ROAD

EXIST ROW

N

148B+00

149B+00

150B+00

MH

EXLP1

EXLP2

INSTALL ELECTRICAL WIRE
BETWEEN EXLP1 AND EXLP2.

PROPOSED CONDUIT 3" SPECIAL

CONNECT PROPOSED CONDUIT INTO EXISTING CONDUIT

INSTALL CONDUIT INTO EXISTING ITEM

EXIST ROW

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- HDPE CONDUIT
- CONDUIT SPECIAL 3", UNLESS OTHERWISE NOTED
- JUNCTION BOX
- CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
- LANDING AREA
- WISDOT LIGHT POLE ASSEMBLY
- DECORATIVE STREET LIGHT ASSEMBLY
- DECORATIVE SINGLE PEDESTRIAN STREET LIGHT ASSEMBLY
- DECORATIVE PEDESTRIAN STREET LIGHT ASSEMBLY
- CITY STANDARD LIGHT POLE ASSEMBLY
- CONCRETE DIRECT BURIAL LIGHT POLE ASSMELBY

L-XX-X — LIGHT POLE NUMBER

STA. 71A+20, 35'LT — STATION LOCATION

A-30-6

- LUMINAIRE ARM LENGTH (FT)
- NOMINAL MOUNTING HEIGHT (FT)
- LIGHT POLE ASSEMBLY (SEE TITLE SHEET FOR DETAILS)

CONSTRUCTION NOTES:

1. LIGHTING SYSTEM SHALL REMAIN OPERATIONAL DURING CONSTRUCTION. NO TEMPORARY SYSTEM WILL BE INSTALLED AT THIS LOCATION.

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 7: BLUEMOUND ROAD AT GLENVIEW AVENUE EB	STREET LIGHTING - PROPOSED	SHEET E

PRE_106

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\AECOM\Sheets\023607_1p_ltg_GLENVIEW_EB.dgn PLOT DATE : 7/30/2019 PLOT BY : tkachukt PLOT NAME : PLOT SCALE : 20.00 sf / in.

N

77TH STREET

EXIST ROW

BLUEMOUND ROAD

℄ BLUEMOUND ROAD

165B+00 166B+00 167B+00 168B+00

INSTALL CONDUIT INTO EXISTING ITEM

EXLP1

EXLP2

EXLC1

EXISTING LIGHTING CABINET TO REMAIN

INSTALL ELECTRICAL WIRE BETWEEN EXLP1 AND ELC1.

INSTALL CONDUIT 3" SPECIAL

EXIST ROW

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- HDPE CONDUIT
- CONDUIT SPECIAL 3", UNLESS OTHERWISE NOTED
- JUNCTION BOX
- CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
- LANDING AREA
- WISDOT LIGHT POLE ASSEMBLY
- DECORATIVE STREET LIGHT ASSEMBLY
- DECORATIVE SINGLE PEDESTRIAN STREET LIGHT ASSEMBLY
- DECORATIVE PEDESTRIAN STREET LIGHT ASSEMBLY
- CITY STANDARD LIGHT POLE ASSEMBLY
- CONCRETE DIRECT BURIAL LIGHT POLE ASSMELBY

EXIST ROW

LIGHT POLE NUMBER

L-XX-X

STA. 71A+20, 35'LT — STATION LOCATION

A-30-6

- LUMINAIRE ARM LENGTH (FT)
- NOMINAL MOUNTING HEIGHT (FT)
- LIGHT POLE ASSEMBLY (SEE TITLE SHEET FOR DETAILS)

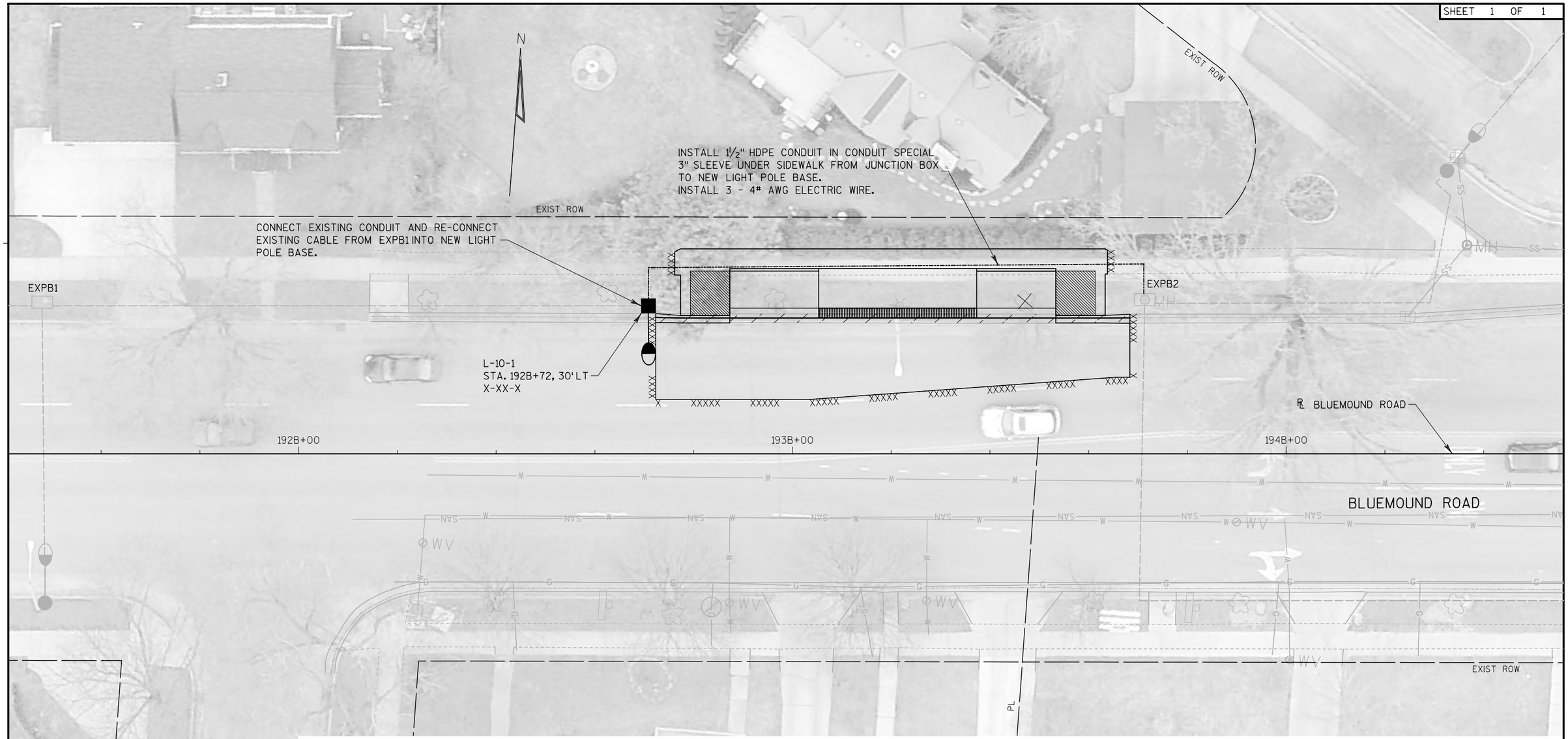
CONSTRUCTION NOTES:

1. LIGHTING SYSTEM SHALL REMAIN OPERATIONAL DURING CONSTRUCTION. NO TEMPORARY SYSTEM WILL BE INSTALLED AT THIS LOCATION.

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 9: BLUEMOUND ROAD AT 76TH STREET EB	STREET LIGHTING - PROPOSED	SHEET E

PRE_107

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\AECOM\Sheets\023609_1p_ltg_76TH_EB.dgrPLOT DATE : 7/31/2019 PLOT BY : benjamin.giese PLOT NAME : PLOT SCALE : 20.00 sf / in.



LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- HDPE CONDUIT
- CONDUIT SPECIAL 3", UNLESS OTHERWISE NOTED
- JUNCTION BOX
- CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
- LANDING AREA
- WISDOT LIGHT POLE ASSEMBLY
- DECORATIVE STREET LIGHT ASSEMBLY
- DECORATIVE SINGLE PEDESTRIAN STREET LIGHT ASSEMBLY
- DECORATIVE PEDESTRIAN STREET LIGHT ASSEMBLY
- CITY STANDARD LIGHT POLE ASSEMBLY
- CONCRETE DIRECT BURIAL LIGHT POLE ASSMELBY

L-XX-X — LIGHT POLE NUMBER
STA. 71A+20, 35'LT — STATION LOCATION
A-30-6
- LUMINAIRE ARM LENGTH (FT)
- NOMINAL MOUNTING HEIGHT (FT)
- LIGHT POLE ASSEMBLY (SEE TITLE SHEET FOR DETAILS)

CONSTRUCTION NOTES:
1. LIGHTING SYSTEM SHALL REMAIN OPERATIONAL DURING CONSTRUCTION. NO TEMPORARY SYSTEM WILL BE INSTALLED AT THIS LOCATION.

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 10: BLUEMOUND ROAD AT 68TH STREET WB	STREET LIGHTING - PROPOSED	SHEET E

PRE_108

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\AECOM\Sheets\023610_2p_ltg_68TH_WB.dgn PLOT DATE : 7/31/2019 PLOT BY : tkachukt PLOT NAME : PLOT SCALE : 20.00 sf / in.

TEMPORARY WOOD POLE

OVERHEAD CABLE FOR TEMPORARY ELECTRICAL SERVICE

EXISTING LIGHT POLE, EXLP1, TO REMAIN DURING CONSTRUCTION FOR TEMPORARY LIGHTING

OVERHEAD CABLE FOR TEMPORARY ELECTRICAL SERVICE

WP1

CONNECT INTO EXISTING CONDUIT TO MAINTAIN EXISTING LIGHTING SYSTEM

HAWLEY ROAD

EXLP2

107H+00

108H+00

109H+00

℄ HAWLEY ROAD

EXLP3

OVERHEAD CABLE FOR TEMPORARY ELECTRICAL SERVICE

EXIST ROW

MICHIGAN STREET

LEGEND

- REMOVING PAVEMENT
- REMOVING CURB
- REMOVING CURB & GUTTER
- REMOVING CONCRETE SIDEWALK
- XXXXX SAWING PAVEMENT
- REMOVING TREE (PAID FOR AS CLEARING AND GRUBBING)
- INLET PROTECTION, TYPE B (UNLESS OTHERWISE NOTED)
- TEMPORARY WOOD POLE
- WOOD POLE WITH TEMPORARY LIGHT
- WISDOT LIGHT POLE ASSEMBLY
- DECORATIVE STREET LIGHT ASSEMBLY
- DECORATIVE SINGLE PEDESTRIAN STREET LIGHT ASSEMBLY
- DECORATIVE PEDESTRIAN STREET LIGHT ASSEMBLY
- CITY STANDARD LIGHT POLE ASSEMBLY
- CONCRETE DIRECT BURIAL LIGHT POLE ASSMELBY
- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- CONDUIT 3" SPECIAL
- OH CABLE-OVERHEAD

SUMMARY OF MATERIALS FOR INFORMATION ONLY	
1	TEMPORARY WOOD POLES
300 (FT)	CABLE - OVERHEAD

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 12 & 13: HAWLEY ROAD AT MICHIGAN STREET NB & SB	STREET LIGHTING - TEMPORARY	SHEET E

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\AECOM\Sheets\023612_1t_ltg_Hawley_NB_SB.dgn PLOT DATE : 7/31/2019 PLOT BY : benjamin.giese PLOT NAME : PLOT SCALE : 20.00 sf / in.
WISDOT/CADDS SHEET 42

CONNECT PROPOSED CONDUIT INTO EXISTING CONDUIT

PROPOSED NONMETALLIC CONDUIT 2"

L-13-1
STA. 108H+53, 23'LT
X-XX-X

TLE

EXIST ROW

EXIST ROW

EXIST ROW

HAWLEY ROAD

PROPOSED NONMETALLIC CONDUIT 2"

PROPOSED CONDUIT SPECIAL 3"

107H+00

EXLP2

108H+00

109H+00

℄ HAWLEY ROAD

CONNECT PROPOSED CONDUIT INTO EXISTING CONDUIT

PROPOSED NONMETALLIC CONDUIT 2"

EXIST ROW

TLE

INSTALL CONDUIT INTO EXISTING ITEM

EXLP3

EXIST ROW

EXIST ROW

MICHIGAN STREET

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- HDPE CONDUIT
- CONDUIT SPECIAL 3", UNLESS OTHERWISE NOTED
- JUNCTION BOX
- CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
- LANDING AREA
- WISDOT LIGHT POLE ASSEMBLY
- DECORATIVE STREET LIGHT ASSEMBLY
- DECORATIVE SINGLE PEDESTRIAN STREET LIGHT ASSEMBLY
- DECORATIVE PEDESTRIAN STREET LIGHT ASSEMBLY
- CITY STANDARD LIGHT POLE ASSEMBLY
- CONCRETE DIRECT BURIAL LIGHT POLE ASSMELBY

L-XX-X — LIGHT POLE NUMBER
STA. 71A+20, 35'LT — STATION LOCATION
A-30-6
- LUMINAIRE ARM LENGTH (FT)
- NOMINAL MOUNTING HEIGHT (FT)
- LIGHT POLE ASSEMBLY (SEE TITLE SHEET FOR DETAILS)

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 12 & 13: HAWLEY ROAD AT MICHIGAN STREET NB & SB	STREET LIGHTING - PROPOSED	SHEET E

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\AECOM\Sheets\023612_2p_ltg_Hawley_NB_SB.dgn PLOT DATE : 7/31/2019 PLOT BY : benjamin.giese PLOT NAME : PLOT SCALE : 20.00 sf / in.
WISDOT/CADDS SHEET 42

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- HDPE CONDUIT
- CONDUIT SPECIAL 3", UNLESS OTHERWISE NOTED
- JUNCTION BOX
- CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
- LANDING AREA
- WISDOT LIGHT POLE ASSEMBLY
- DECORATIVE STREET LIGHT ASSEMBLY
- DECORATIVE SINGLE PEDESTRIAN STREET LIGHT ASSEMBLY
- DECORATIVE PEDESTRIAN STREET LIGHT ASSEMBLY
- CITY STANDARD LIGHT POLE ASSEMBLY
- CONCRETE DIRECT BURIAL LIGHT POLE ASSMELBY

L-XX-X — LIGHT POLE NUMBER

STA. 71A+20, 35'LT — STATION LOCATION

A-30-6
- LUMINAIRE ARM LENGTH (FT)
- NOMINAL MOUNTING HEIGHT (FT)
- LIGHT POLE ASSEMBLY (SEE TITLE SHEET FOR DETAILS)

CONSTRUCTION NOTES:
1. LIGHTING SYSTEM SHALL REMAIN OPERATIONAL DURING CONSTRUCTION. NO TEMPORARY SYSTEM WILL BE INSTALLED AT THIS LOCATION.

N

53RD STREET

EXIST ROW

CONNECT PROPOSED CONDUIT INTO EXISTING CONDUIT

PROPOSED NONMETALLIC CONDUIT 2"

CONNECT PROPOSED CONDUIT INTO EXISTING CONDUIT

WISCONSIN AVENUE

112WB

113WB

114WB

℄ WISCONSIN AVENUE

WISCONSIN AVENUE

CONNECT PROPOSED CONDUIT INTO EXISTING CONDUIT

PROPOSED NONMETALLIC CONDUIT 2"

CONNECT PROPOSED CONDUIT INTO EXISTING CONDUIT

EXIST ROW

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 14 & 15: WISCONSIN AVENUE AT 53RD STREET WB & EB	STREET LIGHTING - PROPOSED	SHEET E

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\AECOM\Sheets\023614_1p_ltg_53RD_EB_WB.dgn PLOT DATE : 7/31/2019 PLOT BY : tkachukt PLOT NAME : PLOT SCALE : 20.00 sf / in.

N

EXIST ROW

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- HDPE CONDUIT
- CONDUIT SPECIAL 3", UNLESS OTHERWISE NOTED
- JUNCTION BOX
- CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
- LANDING AREA
- WISDOT LIGHT POLE ASSEMBLY
- DECORATIVE STREET LIGHT ASSEMBLY
- DECORATIVE SINGLE PEDESTRIAN STREET LIGHT ASSEMBLY
- DECORATIVE PEDESTRIAN STREET LIGHT ASSEMBLY
- CITY STANDARD LIGHT POLE ASSEMBLY
- CONCRETE DIRECT BURIAL LIGHT POLE ASSMELBY

L-XX-X — LIGHT POLE NUMBER
STA. 71A+20, 35'LT — STATION LOCATION
A-30-6
- LUMINAIRE ARM LENGTH (FT)
- NOMINAL MOUNTING HEIGHT (FT)
- LIGHT POLE ASSEMBLY (SEE TITLE SHEET FOR DETAILS)

CONSTRUCTION NOTES:
1. LIGHTING SYSTEM SHALL REMAIN OPERATIONAL DURING CONSTRUCTION. NO TEMPORARY SYSTEM WILL BE INSTALLED AT THIS LOCATION.

WISCONSIN AVENUE

140WB

141WB

142WB

℄ WISCONSIN AVENUE

L-17-1
STA. 140WB+79, 44'RT
X-XX-X

PROPOSED CONDUIT SPECIAL 3"

CONNECT PROPOSED CONDUIT INTO EXISTING CONDUIT

CONNECT PROPOSED CONDUIT INTO EXISTING CONDUIT

EXLP2

EXIST ROW

45TH STREET

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 16 & 17: WISCONSIN AVENUE AT 45TH STREET WB & EB	STREET LIGHTING - PROPOSED	SHEET E

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\AECOM\Sheets\023616_1p_ltg_45TH_EB_WB.dgn PLOT DATE : 7/31/2019 PLOT BY : benjamin.giese PLOT NAME : PLOT SCALE : 20.00 sf / in.

N

OVERHEAD CABLE FOR TEMPORARY ELECTRICAL SERVICE

WOOD POLE WITH TEMPORARY LIGHT

OVERHEAD CABLE FOR TEMPORARY ELECTRICAL SERVICE

EXIST ROW

EXIST ROW

35TH STREET

WP1

EXLP1

EXLP3

EXPB1

OH

WISCONSIN AVENUE

170WB

171WB

172WB

173WB

℄ WISCONSIN AVENUE

SEE STATION: WISCONSIN AVENUE AT 35TH STREET EB

EXIST ROW

EXIST ROW

LEGEND

- REMOVING PAVEMENT
- REMOVING CURB
- REMOVING CURB & GUTTER
- REMOVING CONCRETE SIDEWALK
- XXXXX SAWING PAVEMENT
- REMOVING TREE (PAID FOR AS CLEARING AND GRUBBING)
- INLET PROTECTION, TYPE B (UNLESS OTHERWISE NOTED)
- TEMPORARY WOOD POLE
- WOOD POLE WITH TEMPORARY LIGHT
- WISDOT LIGHT POLE ASSEMBLY
- DECORATIVE STREET LIGHT ASSEMBLY
- DECORATIVE SINGLE PEDESTRIAN STREET LIGHT ASSEMBLY
- DECORATIVE PEDESTRIAN STREET LIGHT ASSEMBLY
- CITY STANDARD LIGHT POLE ASSEMBLY
- CONCRETE DIRECT BURIAL LIGHT POLE ASSMELBY
- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- CONDUIT 3" SPECIAL
- OH CABLE-OVERHEAD

SUMMARY OF MATERIALS FOR INFORMATION ONLY	
1	TEMPORARY WOOD POLES
250 (FT)	CABLE - OVERHEAD
1	TEMPORARY LIGHTS

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 18: WISCONSIN STREET AT 35TH STREET WB	STREET LIGHTING - TEMPORARY	SHEET E

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\AECOM\Sheets\023618_1t_ltg_35TH_WB.dgnPLOT DATE : 7/31/2019 PLOT BY : benjamin.giese PLOT NAME : PLOT SCALE : 20.00 sf / in.

N

EXIST ROW

INSTALL CONDUIT INTO EXISTING ITEM

L-18-1
STA. 171WB+13, 42'LT
X-XX-X

PROPOSED CONDUIT SPECIAL 3"

PROPOSED NONMETALLIC CONDUIT 2"

EXLP1

EXPB1

EXLP3

INSTALL CONDUIT INTO EXISTING ITEM

35TH STREET

WISCONSIN AVENUE

170WB

171WB

172WB

173WB

℄ WISCONSIN AVENUE

EXIST ROW

SEE STATION: WISCONSIN AVENUE AT 35TH STREET EB

EXIST ROW

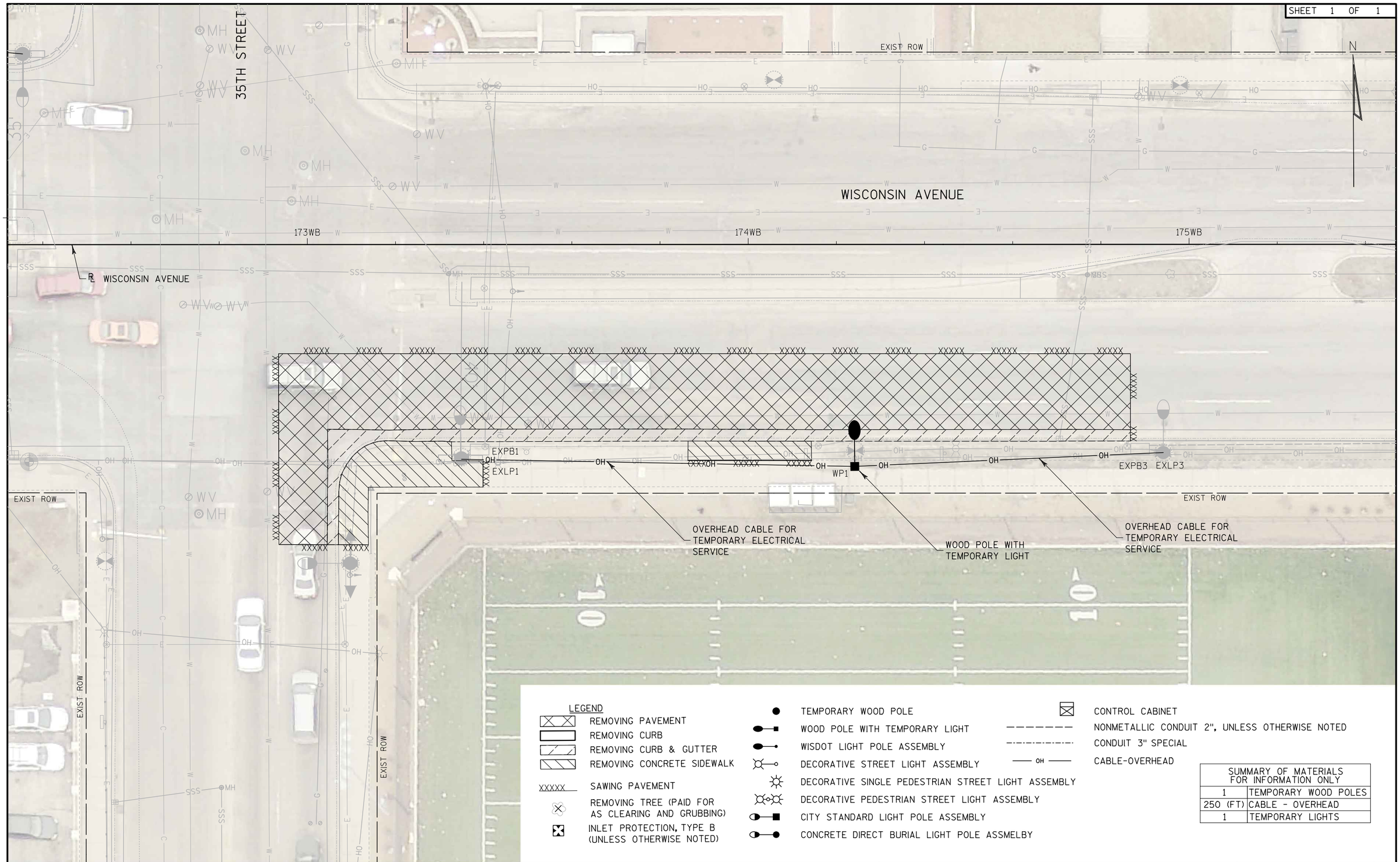
LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- HDPE CONDUIT
- CONDUIT SPECIAL 3", UNLESS OTHERWISE NOTED
- JUNCTION BOX
- CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
- LANDING AREA
- WISDOT LIGHT POLE ASSEMBLY
- DECORATIVE STREET LIGHT ASSEMBLY
- DECORATIVE SINGLE PEDESTRIAN STREET LIGHT ASSEMBLY
- DECORATIVE PEDESTRIAN STREET LIGHT ASSEMBLY
- CITY STANDARD LIGHT POLE ASSEMBLY
- CONCRETE DIRECT BURIAL LIGHT POLE ASSMELBY

L-XX-X — LIGHT POLE NUMBER
STA. 71A+20, 35'LT — STATION LOCATION
A-30-6
- LUMINAIRE ARM LENGTH (FT)
- NOMINAL MOUNTING HEIGHT (FT)
- LIGHT POLE ASSEMBLY (SEE TITLE SHEET FOR DETAILS)

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 18: WISCONSIN STREET AT 35TH STREET WB	STREET LIGHTING - PROPOSED	SHEET E

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\AECOM\Sheets\023618_2p_ltg_35TH_WB.dgrPLOT DATE : 7/31/2019 PLOT BY : benjamin.giese PLOT NAME : PLOT SCALE : 20.00 sf / in.



LEGEND

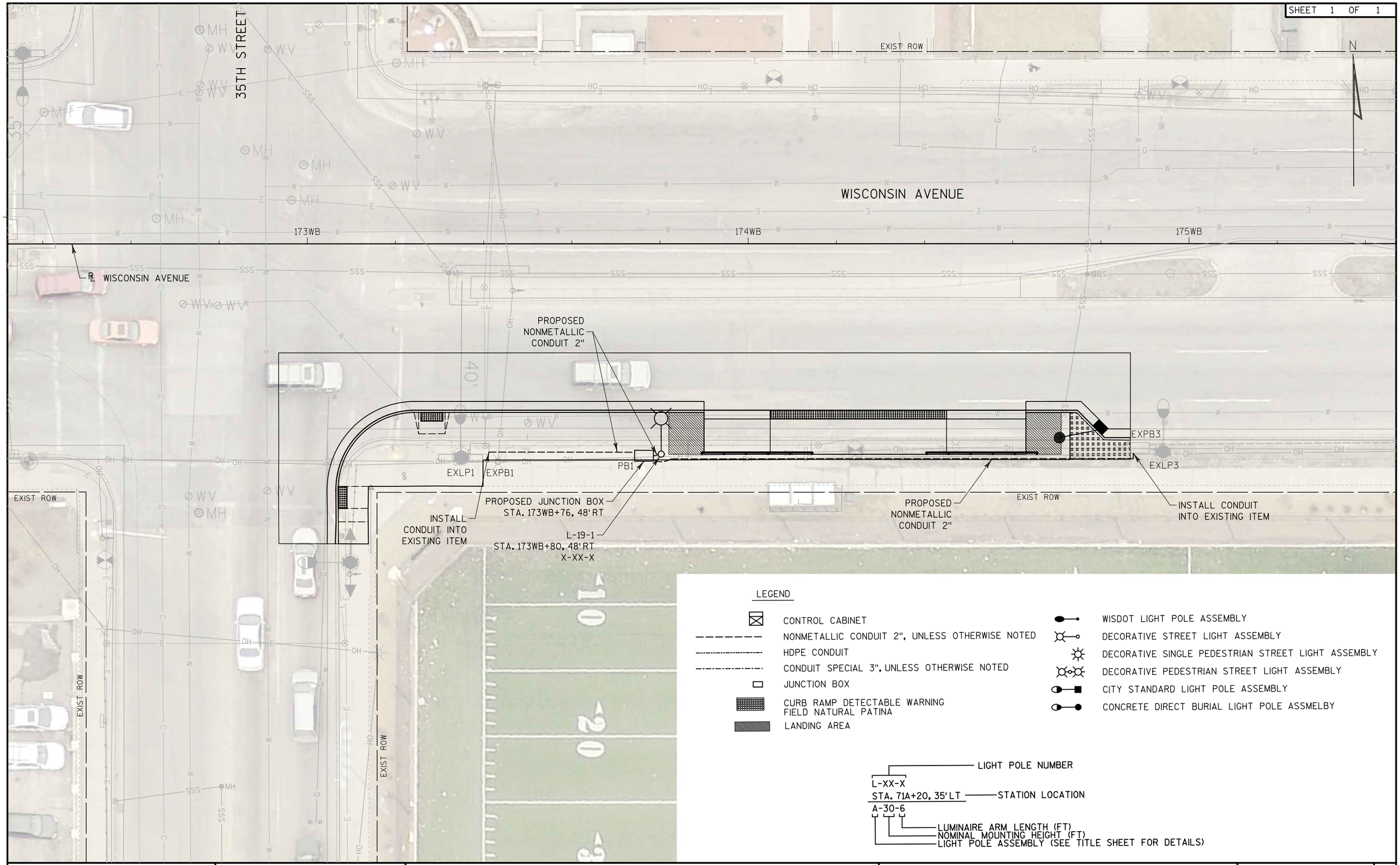
- REMOVING PAVEMENT
- REMOVING CURB
- REMOVING CURB & GUTTER
- REMOVING CONCRETE SIDEWALK
- XXXXX SAWING PAVEMENT
- REMOVING TREE (PAID FOR AS CLEARING AND GRUBBING)
- INLET PROTECTION, TYPE B (UNLESS OTHERWISE NOTED)
- TEMPORARY WOOD POLE
- WOOD POLE WITH TEMPORARY LIGHT
- WISDOT LIGHT POLE ASSEMBLY
- DECORATIVE STREET LIGHT ASSEMBLY
- DECORATIVE SINGLE PEDESTRIAN STREET LIGHT ASSEMBLY
- DECORATIVE PEDESTRIAN STREET LIGHT ASSEMBLY
- CITY STANDARD LIGHT POLE ASSEMBLY
- CONCRETE DIRECT BURIAL LIGHT POLE ASSMELBY
- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- CONDUIT 3" SPECIAL
- OH CABLE-OVERHEAD

SUMMARY OF MATERIALS FOR INFORMATION ONLY	
1	TEMPORARY WOOD POLES
250 (FT)	CABLE - OVERHEAD
1	TEMPORARY LIGHTS

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 19: WISCONSIN STREET AT 35TH STREET EB	STREET LIGHTING - TEMPORARY	SHEET E

PRE_115

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\AECOM\Sheets\023619_1t_ltg_35TH_EB.dgrPLOT DATE : 7/31/2019 PLOT BY : benjamin.giese PLOT NAME : PLOT SCALE : 20.00 sf / in.



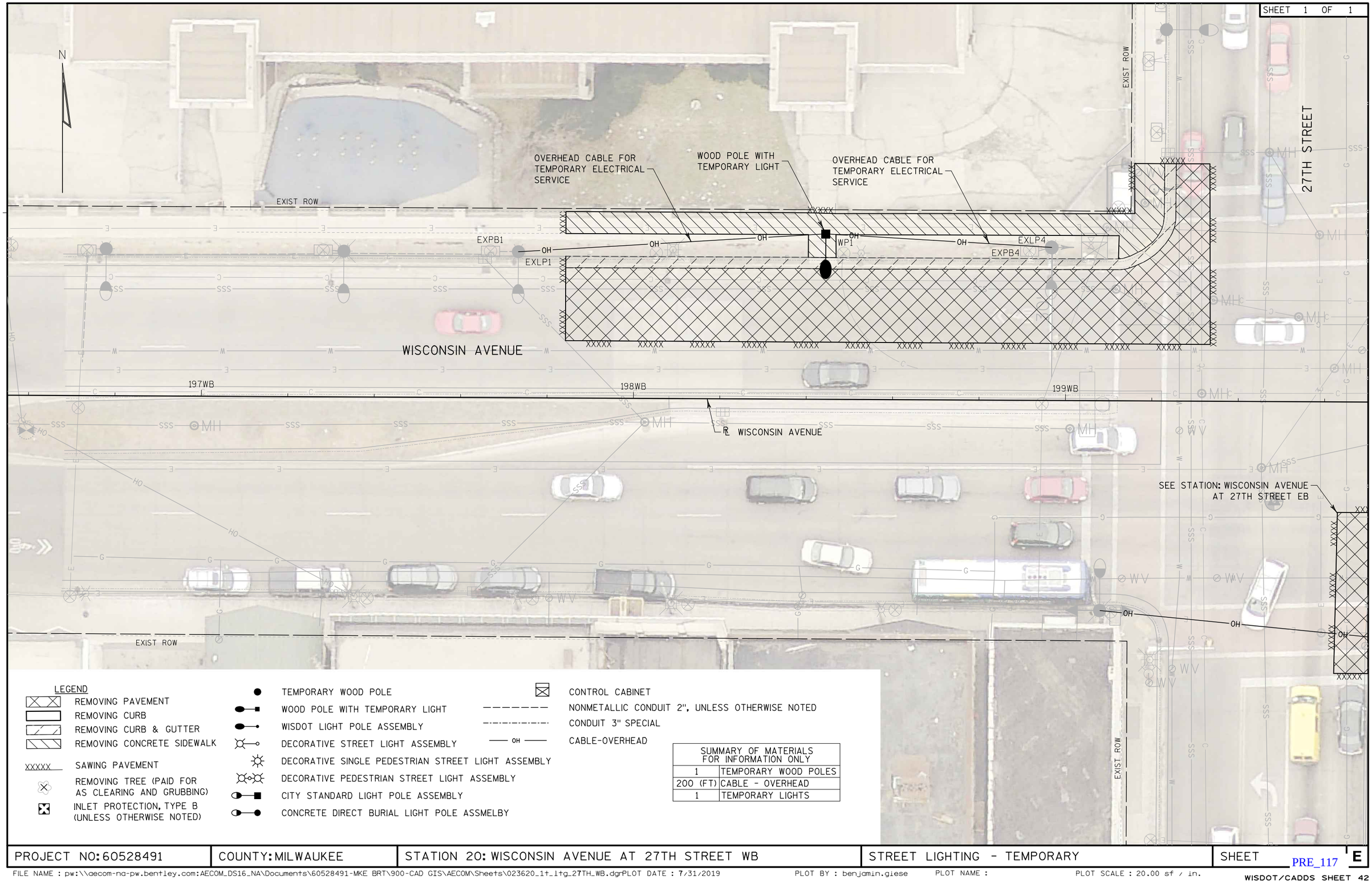
LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- HDPE CONDUIT
- CONDUIT SPECIAL 3", UNLESS OTHERWISE NOTED
- JUNCTION BOX
- CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
- LANDING AREA
- WISDOT LIGHT POLE ASSEMBLY
- DECORATIVE STREET LIGHT ASSEMBLY
- DECORATIVE SINGLE PEDESTRIAN STREET LIGHT ASSEMBLY
- DECORATIVE PEDESTRIAN STREET LIGHT ASSEMBLY
- CITY STANDARD LIGHT POLE ASSEMBLY
- CONCRETE DIRECT BURIAL LIGHT POLE ASSMELBY

L-XX-X — LIGHT POLE NUMBER
STA. 71A+20, 35' LT — STATION LOCATION
A-30-6
- LUMINAIRE ARM LENGTH (FT)
- NOMINAL MOUNTING HEIGHT (FT)
- LIGHT POLE ASSEMBLY (SEE TITLE SHEET FOR DETAILS)

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 19: WISCONSIN STREET AT 35TH STREET EB	STREET LIGHTING - PROPOSED	SHEET E

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\AECOM\Sheets\023619_2p_ltg_35TH_EB.dgrPLOT DATE : 7/31/2019 PLOT BY : benjamin.giese PLOT NAME : PLOT SCALE : 20.00 sf / in.
WISDOT/CADDS SHEET 42



LEGEND

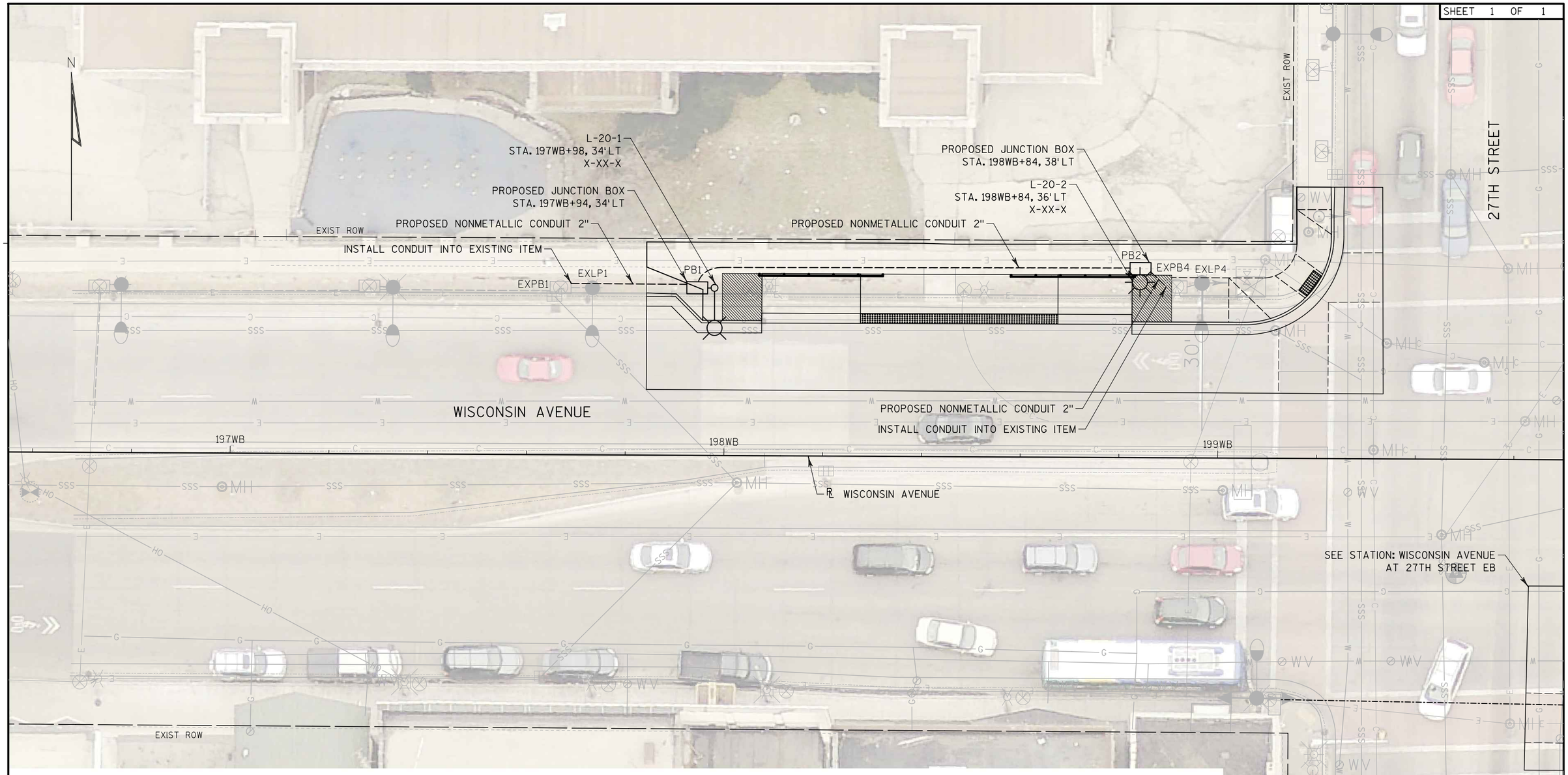
- REMOVING PAVEMENT
- REMOVING CURB
- REMOVING CURB & GUTTER
- REMOVING CONCRETE SIDEWALK
- XXXXX SAWING PAVEMENT
- REMOVING TREE (PAID FOR AS CLEARING AND GRUBBING)
- INLET PROTECTION, TYPE B (UNLESS OTHERWISE NOTED)
- TEMPORARY WOOD POLE
- WOOD POLE WITH TEMPORARY LIGHT
- WISDOT LIGHT POLE ASSEMBLY
- DECORATIVE STREET LIGHT ASSEMBLY
- DECORATIVE SINGLE PEDESTRIAN STREET LIGHT ASSEMBLY
- DECORATIVE PEDESTRIAN STREET LIGHT ASSEMBLY
- CITY STANDARD LIGHT POLE ASSEMBLY
- CONCRETE DIRECT BURIAL LIGHT POLE ASSMELBY
- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- CONDUIT 3" SPECIAL
- OH CABLE-OVERHEAD

SUMMARY OF MATERIALS FOR INFORMATION ONLY	
1	TEMPORARY WOOD POLES
200 (FT)	CABLE - OVERHEAD
1	TEMPORARY LIGHTS

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 20: WISCONSIN AVENUE AT 27TH STREET WB	STREET LIGHTING - TEMPORARY	SHEET E

PRE_117

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\AECOM\Sheets\023620_1t_ltg_27TH_WB.dgnPLOT DATE : 7/31/2019 PLOT BY : benjamin.giese PLOT NAME : PLOT SCALE : 20.00 sf / in.



LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- HDPE CONDUIT
- CONDUIT SPECIAL 3", UNLESS OTHERWISE NOTED
- JUNCTION BOX
- CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
- LANDING AREA
- WISDOT LIGHT POLE ASSEMBLY
- DECORATIVE STREET LIGHT ASSEMBLY
- DECORATIVE SINGLE PEDESTRIAN STREET LIGHT ASSEMBLY
- DECORATIVE PEDESTRIAN STREET LIGHT ASSEMBLY
- CITY STANDARD LIGHT POLE ASSEMBLY
- CONCRETE DIRECT BURIAL LIGHT POLE ASSMELBY

L-XX-X — LIGHT POLE NUMBER
STA. 71A+20, 35'LT — STATION LOCATION
A-30-6
- LUMINAIRE ARM LENGTH (FT)
- NOMINAL MOUNTING HEIGHT (FT)
- LIGHT POLE ASSEMBLY (SEE TITLE SHEET FOR DETAILS)

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 20: WISCONSIN AVENUE AT 27TH STREET WB	STREET LIGHTING - PROPOSED	SHEET E

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\AECOM\Sheets\023620_2p_ltg_27TH_WB.dgnPLOT DATE : 7/31/2019 PLOT BY : benjamin.giese PLOT NAME : PLOT SCALE : 20.00 sf / in.
WISDOT/CADDS SHEET 42

N

27TH STREET

EXIST ROW

TEMPORARY WOOD POLE

CONNECT INTO EXISTING PULL BOX TO MAINTAIN EXISTING LIGHTING SYSTEM

WP3

EXPB7

SEE STATION: WISCONSIN AVENUE AT 27TH STREET WB

WISCONSIN AVENUE

199WB

200WB

201WB

OVERHEAD CABLE FOR TEMPORARY ELECTRICAL SERVICE

EXPB6

℄ WISCONSIN AVENUE

EXLP1

EXPB1

WP1

WP2

EXPB5

EXLP4

WOOD POLE WITH TEMPORARY LIGHT

OVERHEAD CABLE FOR TEMPORARY ELECTRICAL SERVICE

WOOD POLE WITH TEMPORARY LIGHT

OVERHEAD CABLE FOR TEMPORARY ELECTRICAL SERVICE

LEGEND

- REMOVING PAVEMENT
- REMOVING CURB
- REMOVING CURB & GUTTER
- REMOVING CONCRETE SIDEWALK
- XXXXX SAWING PAVEMENT
- REMOVING TREE (PAID FOR AS CLEARING AND GRUBBING)
- INLET PROTECTION, TYPE B (UNLESS OTHERWISE NOTED)
- TEMPORARY WOOD POLE
- WOOD POLE WITH TEMPORARY LIGHT
- WISDOT LIGHT POLE ASSEMBLY
- DECORATIVE STREET LIGHT ASSEMBLY
- DECORATIVE SINGLE PEDESTRIAN STREET LIGHT ASSEMBLY
- DECORATIVE PEDESTRIAN STREET LIGHT ASSEMBLY
- CITY STANDARD LIGHT POLE ASSEMBLY
- CONCRETE DIRECT BURIAL LIGHT POLE ASSMELBY
- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- CONDUIT 3" SPECIAL
- OH CABLE-OVERHEAD

SUMMARY OF MATERIALS FOR INFORMATION ONLY	
3	TEMPORARY WOOD POLES
450 (FT)	CABLE - OVERHEAD
1	TEMPORARY LIGHTS

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 21: WISCONSIN AVENUE AT 27TH STREET EB	STREET LIGHTING - TEMPORARY	SHEET E

PRE_119

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\AECOM\Sheets\023621_1t_ltg_27TH_EB.dgrPLOT DATE : 7/31/2019 PLOT BY : benjamin.giese PLOT NAME : PLOT SCALE : 20.00 sf / in.

N

EXIST ROW

27TH STREET

EXIST ROW

EXIST ROW

EXPB7

SEE STATION: WISCONSIN AVENUE AT 27TH STREET WB

WISCONSIN AVENUE

199WB

200WB

201WB

℄ WISCONSIN AVENUE

EXPB6

INSTALL CONDUIT
INTO EXISTING ITEM

PROPOSED CONDUIT
SPECIAL 3"

PROPOSED NONMETALLIC
CONDUIT 2"

INSTALL CONDUIT
INTO EXISTING ITEM

EXPB5

EXLP4

EXLP1

EXPB1

EXIST ROW

PROPOSED CONDUIT
SPECIAL 3"

INSTALL CONDUIT
INTO EXISTING ITEM

PB1

PB2

L-21-1
STA. 200WB+04 48' RT
X-XX-X

PROPOSED NONMETALLIC CONDUIT 2"

PROPOSED JUNCTION BOX
STA. 200WB+04, 51' RT

PROPOSED NONMETALLIC CONDUIT 2"

L-21-2
STA. 201WB+02, 48' RT
X-XX-X

PROPOSED JUNCTION BOX
STA. 201WB+01, 51' RT

EXIST ROW
PROPOSED NONMETALLIC CONDUIT 2"

EXIST ROW

EXIST ROW

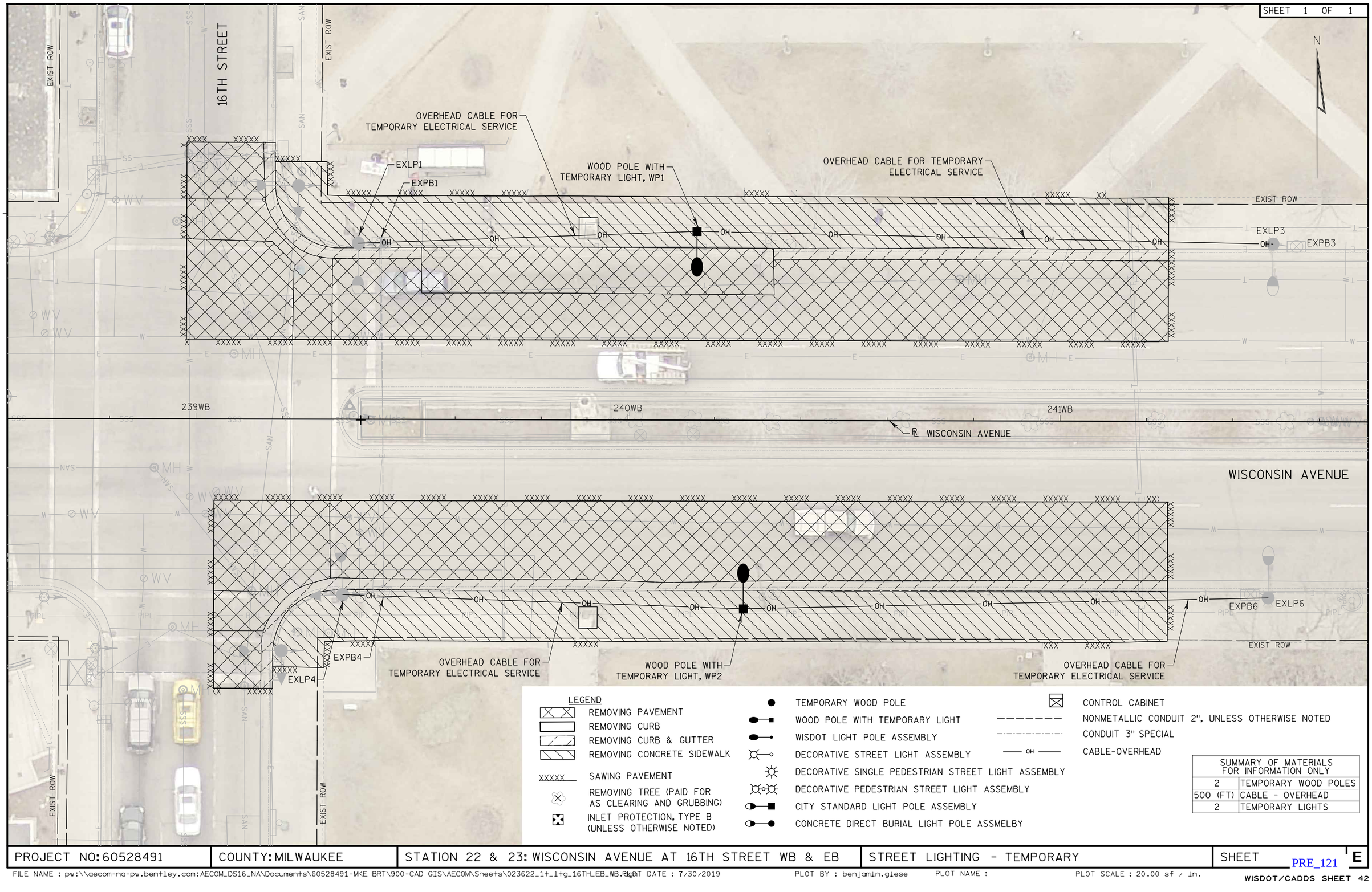
LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- HDPE CONDUIT
- CONDUIT SPECIAL 3", UNLESS OTHERWISE NOTED
- JUNCTION BOX
- CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
- LANDING AREA
- WISDOT LIGHT POLE ASSEMBLY
- DECORATIVE STREET LIGHT ASSEMBLY
- DECORATIVE SINGLE PEDESTRIAN STREET LIGHT ASSEMBLY
- DECORATIVE PEDESTRIAN STREET LIGHT ASSEMBLY
- CITY STANDARD LIGHT POLE ASSEMBLY
- CONCRETE DIRECT BURIAL LIGHT POLE ASSMELBY

L-XX-X — LIGHT POLE NUMBER
STA. 71A+20, 35' LT — STATION LOCATION
A-30-6
- LUMINAIRE ARM LENGTH (FT)
- NOMINAL MOUNTING HEIGHT (FT)
- LIGHT POLE ASSEMBLY (SEE TITLE SHEET FOR DETAILS)

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 21: WISCONSIN AVENUE AT 27TH STREET EB	STREET LIGHTING - PROPOSED	SHEET E

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\AECOM\Sheets\023621_2p_ltg_27TH_EB.dgrPLOT DATE : 7/31/2019 PLOT BY : benjamin.giese PLOT NAME : PLOT SCALE : 20.00 sf / in.
WISDOT/CADDS SHEET 42



LEGEND

- REMOVING PAVEMENT
- REMOVING CURB
- REMOVING CURB & GUTTER
- REMOVING CONCRETE SIDEWALK
- XXXXX SAWING PAVEMENT
- REMOVING TREE (PAID FOR AS CLEARING AND GRUBBING)
- INLET PROTECTION, TYPE B (UNLESS OTHERWISE NOTED)
- TEMPORARY WOOD POLE
- WOOD POLE WITH TEMPORARY LIGHT
- WISDOT LIGHT POLE ASSEMBLY
- DECORATIVE STREET LIGHT ASSEMBLY
- DECORATIVE SINGLE PEDESTRIAN STREET LIGHT ASSEMBLY
- DECORATIVE PEDESTRIAN STREET LIGHT ASSEMBLY
- CITY STANDARD LIGHT POLE ASSEMBLY
- CONCRETE DIRECT BURIAL LIGHT POLE ASSMELBY
- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- CONDUIT 3" SPECIAL
- OH CABLE-OVERHEAD

SUMMARY OF MATERIALS FOR INFORMATION ONLY	
2	TEMPORARY WOOD POLES
500 (FT)	CABLE - OVERHEAD
2	TEMPORARY LIGHTS

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 22 & 23: WISCONSIN AVENUE AT 16TH STREET WB & EB	STREET LIGHTING - TEMPORARY	SHEET E

PRE_121

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\AECOM\Sheets\023622_1t_1tg_16TH_EB_WB.dgn PLOT DATE : 7/30/2019 PLOT BY : benjamin.giese PLOT NAME : PLOT SCALE : 20.00 sf / in.

16TH STREET

EXIST ROW

EXIST ROW

N

PROPOSED JUNCTION BOX
STA. 239WB+98, 43'LT

L-22-1
STA 239WB+98, 40'LT
X-XX-X

INSTALL CONDUIT
INTO EXISTING ITEM

PROPOSED NONMETALLIC
CONDUIT 2"

PROPOSED NONMETALLIC CONDUIT 2"

PROPOSED CONDUIT
SPECIAL 3"

EXIST ROW

EXLP1 EXPB1

PB1

EXLP3

EXPB3

INSTALL CONDUIT
INTO EXISTING ITEM

PROPOSED NONMETALLIC
CONDUIT 2"

239WB

240WB

241WB

R WISCONSIN AVENUE

WISCONSIN AVENUE

PROPOSED NONMETALLIC
CONDUIT 2"

EXLP4

EXPB4

PROPOSED NONMETALLIC
CONDUIT 2"

PB2

L-23-1
STA. 239WB+98, 40'RT
X-XX-X

INSTALL CONDUIT INTO
EXISTING ITEM

PROPOSED JUNCTION BOX
STA. 239WB+98, 43'RT

PROPOSED NONMETALLIC
CONDUIT 2"

PROPOSED CONDUIT
SPECIAL 3"

INSTALL CONDUIT
INTO EXISTING ITEM

EXLP6

EXPB6

EXIST ROW

EXIST ROW

LEGEND

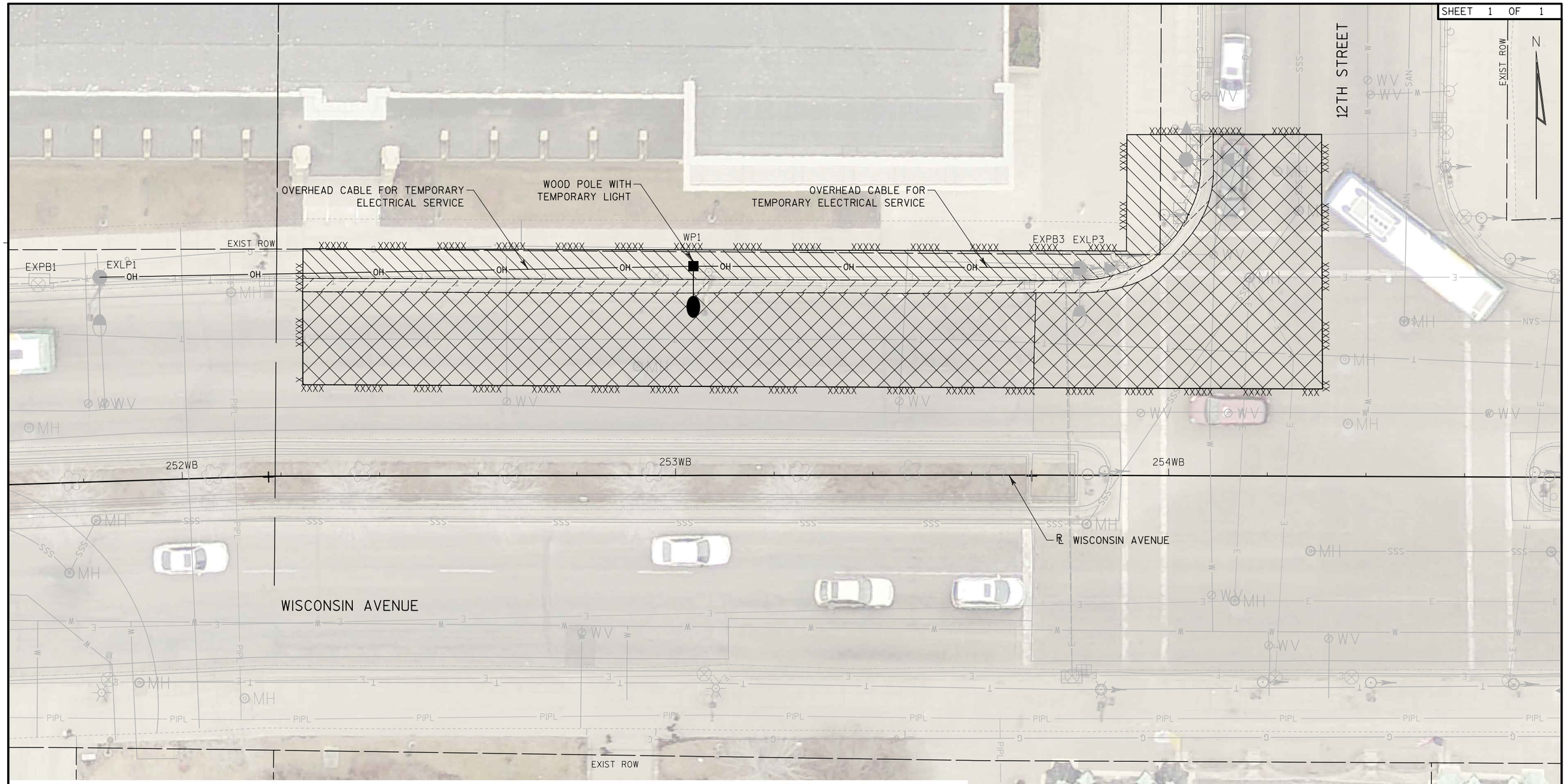
- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- HDPE CONDUIT
- CONDUIT SPECIAL 3", UNLESS OTHERWISE NOTED
- JUNCTION BOX
- CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
- LANDING AREA
- WISDOT LIGHT POLE ASSEMBLY
- DECORATIVE STREET LIGHT ASSEMBLY
- DECORATIVE SINGLE PEDESTRIAN STREET LIGHT ASSEMBLY
- DECORATIVE PEDESTRIAN STREET LIGHT ASSEMBLY
- CITY STANDARD LIGHT POLE ASSEMBLY
- CONCRETE DIRECT BURIAL LIGHT POLE ASSMELBY

LIGHT POLE NUMBER
L-XX-X
STA. 71A+20, 35'LT — STATION LOCATION
A-30-6
LUMINAIRE ARM LENGTH (FT)
NOMINAL MOUNTING HEIGHT (FT)
LIGHT POLE ASSEMBLY (SEE TITLE SHEET FOR DETAILS)

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 22 & 23: WISCONSIN AVENUE AT 16TH STREET WB & EB	STREET LIGHTING - PROPOSED	SHEET E

PRE_122

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\AECOM\Sheets\023622_2p_ltg_16TH_EB_WB.plot PLOT DATE : 7/31/2019 PLOT BY : benjamin.giese PLOT NAME : PLOT SCALE : 20.00 sf / in.



LEGEND

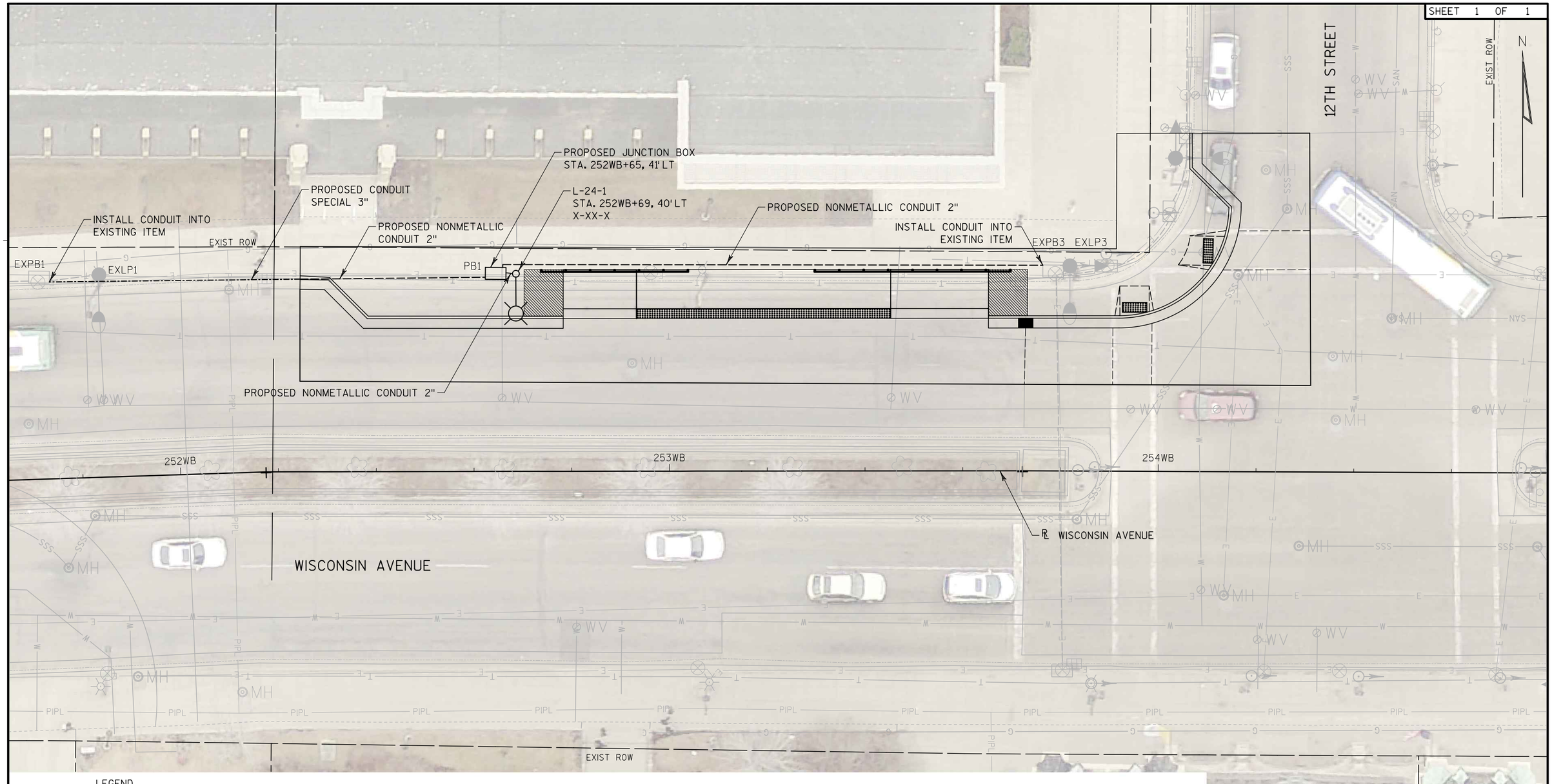
- REMOVING PAVEMENT
- REMOVING CURB
- REMOVING CURB & GUTTER
- REMOVING CONCRETE SIDEWALK
- XXXXX SAWING PAVEMENT
- REMOVING TREE (PAID FOR AS CLEARING AND GRUBBING)
- INLET PROTECTION, TYPE B (UNLESS OTHERWISE NOTED)
- TEMPORARY WOOD POLE
- WOOD POLE WITH TEMPORARY LIGHT
- WISDOT LIGHT POLE ASSEMBLY
- DECORATIVE STREET LIGHT ASSEMBLY
- DECORATIVE SINGLE PEDESTRIAN STREET LIGHT ASSEMBLY
- DECORATIVE PEDESTRIAN STREET LIGHT ASSEMBLY
- CITY STANDARD LIGHT POLE ASSEMBLY
- CONCRETE DIRECT BURIAL LIGHT POLE ASSMELBY
- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- CONDUIT 3" SPECIAL
- OH CABLE-OVERHEAD

SUMMARY OF MATERIALS FOR INFORMATION ONLY	
1	TEMPORARY WOOD POLES
250 (FT)	CABLE - OVERHEAD
1	TEMPORARY WOOD POLES

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 24: WISCONSIN AVENUE AT 12TH STREET WB	STREET LIGHTING - TEMPORARY	SHEET E

PRE_123

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\AECOM\Sheets\023624_1t_1tg_12TH_WB.dgrPLOT DATE : 7/30/2019 PLOT BY : benjamin.giese PLOT NAME : PLOT SCALE : 20.00 sf / in.



LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- HDPE CONDUIT
- CONDUIT SPECIAL 3", UNLESS OTHERWISE NOTED
- JUNCTION BOX
- CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
- LANDING AREA
- WISDOT LIGHT POLE ASSEMBLY
- DECORATIVE STREET LIGHT ASSEMBLY
- DECORATIVE SINGLE PEDESTRIAN STREET LIGHT ASSEMBLY
- DECORATIVE PEDESTRIAN STREET LIGHT ASSEMBLY
- CITY STANDARD LIGHT POLE ASSEMBLY
- CONCRETE DIRECT BURIAL LIGHT POLE ASSMELBY

L-XX-X — LIGHT POLE NUMBER
STA. 71A+20, 35'LT — STATION LOCATION
A-30-6
- LUMINAIRE ARM LENGTH (FT)
- NOMINAL MOUNTING HEIGHT (FT)
- LIGHT POLE ASSEMBLY (SEE TITLE SHEET FOR DETAILS)



PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 24: WISCONSIN AVENUE AT 12TH STREET WB	STREET LIGHTING - PROPOSED	SHEET E

PRE_124

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\AECOM\Sheets\023624_2p_ltg_12TH_WB.dgrPLOT DATE : 7/30/2019 PLOT BY : benjamin.giese PLOT NAME : PLOT SCALE : 20.00 sf / in.

N

EXIST ROW

12TH STREET

EXIST ROW

EXIST ROW

WISCONSIN AVENUE

SEE STATION: WISCONSIN AVENUE AT 12TH STREET WB

254WB

255WB

256WB

℄ WISCONSIN AVENUE

EXPB1

EXLP1

EXLP2

EXPB3

EXLP3

OVERHEAD CABLE FOR TEMPORARY ELECTRICAL SERVICE

EXISTING LIGHT POLE TO REMAIN DURING CONSTRUCTION FOR TEMPORARY ELCETRICAL SERVICE & LIGHTING

OVERHEAD CABLE FOR TEMPORARY ELECTRICAL SERVICE

EXIST ROW

EXIST ROW

LEGEND

- REMOVING PAVEMENT
- REMOVING CURB
- REMOVING CURB & GUTTER
- REMOVING CONCRETE SIDEWALK
- XXXXX SAWING PAVEMENT
- REMOVING TREE (PAID FOR AS CLEARING AND GRUBBING)
- INLET PROTECTION, TYPE B (UNLESS OTHERWISE NOTED)
- TEMPORARY WOOD POLE
- WOOD POLE WITH TEMPORARY LIGHT
- WISDOT LIGHT POLE ASSEMBLY
- DECORATIVE STREET LIGHT ASSEMBLY
- DECORATIVE SINGLE PEDESTRIAN STREET LIGHT ASSEMBLY
- DECORATIVE PEDESTRIAN STREET LIGHT ASSEMBLY
- CITY STANDARD LIGHT POLE ASSEMBLY
- CONCRETE DIRECT BURIAL LIGHT POLE ASSMELBY
- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- CONDUIT 3" SPECIAL
- OH CABLE-OVERHEAD

SUMMARY OF MATERIALS FOR INFORMATION ONLY	
250 (FT)	CABLE - OVERHEAD

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 25: WISCONSIN AVENUE AT 12TH STREET EB	STREET LIGHTING - TEMPORARY	SHEET E

PRE_125

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\AECOM\Sheets\023625_1t_1tg_12TH_EB.dgrPLOT DATE : 7/30/2019 PLOT BY : benjamin.giese PLOT NAME : PLOT SCALE : 20.00 sf / in.

N

EXIST ROW

12TH STREET

EXIST ROW

EXIST ROW

WISCONSIN AVENUE

SEE STATION: WISCONSIN AVENUE AT 12TH STREET WB

254WB

255WB

256WB

℄ WISCONSIN AVENUE

PROPOSED NONMETALLIC CONDUIT 2"

L-25-1
STA. 256WB+12, 43' RT
X-XX-X

PROPOSED NONMETALLIC CONDUIT 2"

PROPOSED CONDUIT SPECIAL 3"

EXPB1

EXLP1

PROPOSED CONDUIT SPECIAL 3"

INSTALL CONDUIT INTO EXISTING ITEM

PROPOSED NONMETALLIC CONDUIT 2"

PB1

PROPOSED JUNCTION BOX
STA. 256WB+17, 44' RT

EXPB3

EXLP3

INSTALL CONDUIT INTO EXISTING ITEM

EXIST ROW

EXIST ROW

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- HDPE CONDUIT
- CONDUIT SPECIAL 3", UNLESS OTHERWISE NOTED
- JUNCTION BOX
- CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
- LANDING AREA
- WISDOT LIGHT POLE ASSEMBLY
- DECORATIVE STREET LIGHT ASSEMBLY
- DECORATIVE SINGLE PEDESTRIAN STREET LIGHT ASSEMBLY
- DECORATIVE PEDESTRIAN STREET LIGHT ASSEMBLY
- CITY STANDARD LIGHT POLE ASSEMBLY
- CONCRETE DIRECT BURIAL LIGHT POLE ASSMELBY

L-XX-X — LIGHT POLE NUMBER

STA. 71A+20, 35'LT — STATION LOCATION

A-30-6
- LUMINAIRE ARM LENGTH (FT)
- NOMINAL MOUNTING HEIGHT (FT)
- LIGHT POLE ASSEMBLY (SEE TITLE SHEET FOR DETAILS)

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 25: WISCONSIN AVENUE AT 12TH STREET EB	STREET LIGHTING - PROPOSED	SHEET E

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\AECOM\Sheets\023625_2p_ltg_12TH_EB.dgrPLOT DATE : 7/30/2019 PLOT BY : benjamin.giese PLOT NAME : PLOT SCALE : 20.00 sf / in.

N

EXIST ROW

9TH STREET

EXIST ROW

WOOD POLE WITH TEMPORARY LIGHT

OVERHEAD CABLE FOR TEMPORARY ELECTRICAL SERVICE

EXIST ROW

WP1

OH

EXLP3

EXPB4

EXPB1

EXLP1

OVERHEAD CABLE FOR TEMPORARY ELECTIRCAL SERVICE

WISCONSIN AVENUE

265WB

266WB

267WB

℄ WISCONSIN AVENUE

SEE STATION: WISCONSIN AVENUE AT 9TH STREET EB

LEGEND

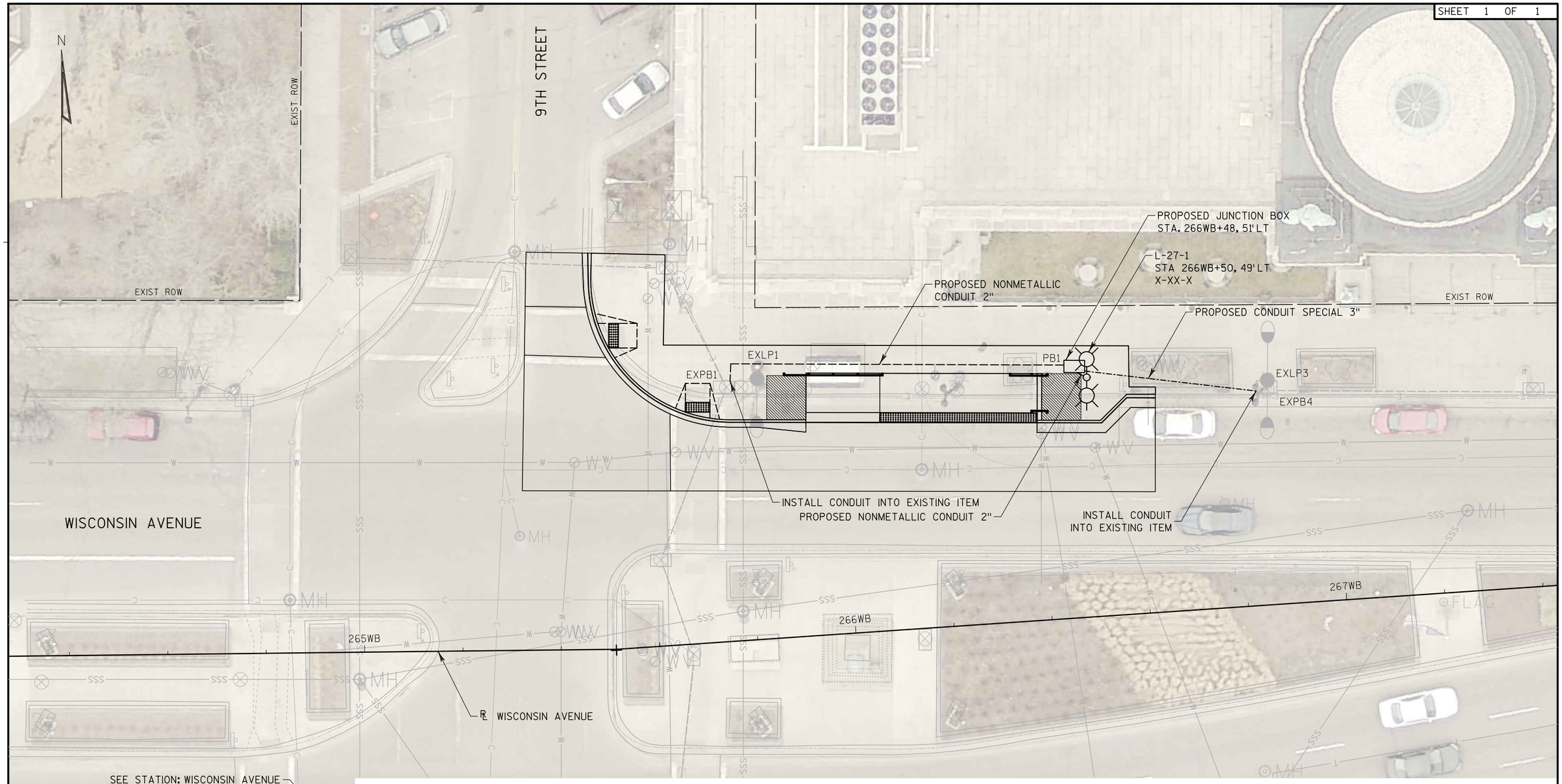
- REMOVING PAVEMENT
- REMOVING CURB
- REMOVING CURB & GUTTER
- REMOVING CONCRETE SIDEWALK
- SAWING PAVEMENT
- REMOVING TREE (PAID FOR AS CLEARING AND GRUBBING)
- INLET PROTECTION, TYPE B (UNLESS OTHERWISE NOTED)
- TEMPORARY WOOD POLE
- WOOD POLE WITH TEMPORARY LIGHT
- WISDOT LIGHT POLE ASSEMBLY
- DECORATIVE STREET LIGHT ASSEMBLY
- DECORATIVE SINGLE PEDESTRIAN STREET LIGHT ASSEMBLY
- DECORATIVE PEDESTRIAN STREET LIGHT ASSEMBLY
- CITY STANDARD LIGHT POLE ASSEMBLY
- CONCRETE DIRECT BURIAL LIGHT POLE ASSMELBY
- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- CONDUIT 3" SPECIAL
- OH — CABLE-OVERHEAD

SUMMARY OF MATERIALS FOR INFORMATION ONLY	
1	TEMPORARY WOOD POLES
200 (FT)	CABLE - OVERHEAD
1	TEMPORARY WOOD POLES

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 27: WISCONSIN AVENUE AT 9TH STREET WB	STREET LIGHTING - TEMPORARY	SHEET E

PRE_127

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\AECOM\Sheets\023627_1t_ltg_9TH_WB.dgn PLOT DATE : 7/30/2019 PLOT BY : benjamin.giese PLOT NAME : PLOT SCALE : 20.00 sf / in.



LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- HDPE CONDUIT
- CONDUIT SPECIAL 3", UNLESS OTHERWISE NOTED
- JUNCTION BOX
- CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
- LANDING AREA
- WISDOT LIGHT POLE ASSEMBLY
- DECORATIVE STREET LIGHT ASSEMBLY
- DECORATIVE SINGLE PEDESTRIAN STREET LIGHT ASSEMBLY
- DECORATIVE PEDESTRIAN STREET LIGHT ASSEMBLY
- CITY STANDARD LIGHT POLE ASSEMBLY
- CONCRETE DIRECT BURIAL LIGHT POLE ASSMELBY

L-XX-X — LIGHT POLE NUMBER
STA. 71A+20, 35'LT — STATION LOCATION
A-30-6
- LUMINAIRE ARM LENGTH (FT)
- NOMINAL MOUNTING HEIGHT (FT)
- LIGHT POLE ASSEMBLY (SEE TITLE SHEET FOR DETAILS)

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 27: WISCONSIN AVENUE AT 9TH STREET WB	STREET LIGHTING - PROPOSED	SHEET E

PRE_128

N

EXISTING LIGHT POLE TO REMAIN DURING CONSTRUCTION FOR TEMPORARY LIGHTING

EXISTING LIGHT POLE TO REMAIN DURING CONSTRUCTION FOR TEMPORARY LIGHTING

OVERHEAD CABLE FOR TEMPORARY ELECTRICAL SERVICE

OVERHEAD CABLE FOR TEMPORARY ELECTRICAL SERVICE

OVERHEAD CABLE FOR TEMPORARY ELECTRICAL SERVICE

EXIST ROW

EXLP1

EXPB1

EXLP2

EXLP3

EXPB4

EXLP4

OH

278WB

279WB

280WB

WISCONSIN AVENUE

℄ WISCONSIN AVENUE

OVERHEAD CABLE FOR TEMPORARY ELECTRICAL SERVICE

EXPB5

EXLP5

EXIST ROW

5TH STREET

EXIST ROW

EXIST ROW

LEGEND

- REMOVING PAVEMENT
- REMOVING CURB
- REMOVING CURB & GUTTER
- REMOVING CONCRETE SIDEWALK
- XXXXX SAWING PAVEMENT
- REMOVING TREE (PAID FOR AS CLEARING AND GRUBBING)
- INLET PROTECTION, TYPE B (UNLESS OTHERWISE NOTED)
- TEMPORARY WOOD POLE
- WOOD POLE WITH TEMPORARY LIGHT
- WISDOT LIGHT POLE ASSEMBLY
- DECORATIVE STREET LIGHT ASSEMBLY
- DECORATIVE SINGLE PEDESTRIAN STREET LIGHT ASSEMBLY
- DECORATIVE PEDESTRIAN STREET LIGHT ASSEMBLY
- CITY STANDARD LIGHT POLE ASSEMBLY
- CONCRETE DIRECT BURIAL LIGHT POLE ASSMELBY
- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- CONDUIT 3" SPECIAL
- OH CABLE-OVERHEAD

SUMMARY OF MATERIALS FOR INFORMATION ONLY	
300 (FT)	CABLE - OVERHEAD

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 28: WISCONSIN AVENUE AT 5TH STREET WB	STREET LIGHTING - TEMPORARY	SHEET E

PRE_129

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\AECOM\Sheets\023628_1t_ltg_5TH_WB.dgn PLOT DATE : 7/30/2019 PLOT BY : benjamin.giese PLOT NAME : PLOT SCALE : 20.00 sf / in.

N

INSTALL CONDUIT INTO EXISTING ITEM

PROPOSED CONDUIT SPECIAL 3"

PROPOSED JUNCTION BOX STA. 278WB+98, 25'LT

L-28-1
STA 279WB+02, 25'LT
X-XX-X

PROPOSED NONMETALLIC CONDUIT 2"

PROPOSED JUNCTION BOX STA. 279WB+81, 26'LT

L-28-2
STA 279WB+85, 26'LT
X-XX-X

PROPOSED NONMETALLIC CONDUIT 2"

EXIST ROW

EXLP1

EXPB1

PB1

PB2

EXPB4 EXLP4

PROPOSED NONMETALLIC CONDUIT 2"

278WB

279WB

280WB

WISCONSIN AVENUE

℄ WISCONSIN AVENUE

PROPOSED CONDUIT 3" SPECIAL

INSTALL CONDUIT INTO EXISTING ITEM

INSTALL CONDUIT INTO EXISTING ITEM

EXPB5

EXLP5

EXIST ROW

EXIST ROW

5TH STREET

EXIST ROW

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- HDPE CONDUIT
- CONDUIT SPECIAL 3", UNLESS OTHERWISE NOTED
- JUNCTION BOX
- CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
- LANDING AREA
- WISDOT LIGHT POLE ASSEMBLY
- DECORATIVE STREET LIGHT ASSEMBLY
- DECORATIVE SINGLE PEDESTRIAN STREET LIGHT ASSEMBLY
- DECORATIVE PEDESTRIAN STREET LIGHT ASSEMBLY
- CITY STANDARD LIGHT POLE ASSEMBLY
- CONCRETE DIRECT BURIAL LIGHT POLE ASSMELBY

L-XX-X — LIGHT POLE NUMBER
STA. 71A+20, 35'LT — STATION LOCATION
A-30-6
- LUMINAIRE ARM LENGTH (FT)
- NOMINAL MOUNTING HEIGHT (FT)
- LIGHT POLE ASSEMBLY (SEE TITLE SHEET FOR DETAILS)

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 28: WISCONSIN AVENUE AT 5TH STREET WB	STREET LIGHTING - PROPOSED	SHEET E

PRE_130

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\AECOM\Sheets\023628_2p_ltg_5TH_WB.dgn PLOT DATE : 7/30/2019 PLOT BY : benjamin.giese PLOT NAME : PLOT SCALE : 20.00 sf / in.

N

EXIST ROW

WISCONSIN AVENUE

281WB

282WB

283WB

℄ WISCONSIN AVENUE

EXPB1

EXLP1

EXLP2

EXLP3

EXPB4

EXLP4

OH

XXXXX

5TH STREET

EXIST ROW

EXIST ROW

OVERHEAD CABLE FOR TEMPORARY ELECTRICAL SERVICE

OVERHEAD CABLE FOR TEMPORARY ELECTRICAL SERVICE

OVERHEAD CABLE FOR TEMPORARY ELECTRICAL SERVICE

EXISTING LIGHT POLE TO REMAIN DURING CONSTRUCTION FOR TEMPORARY LIGHTING

LEGEND

- REMOVING PAVEMENT
- REMOVING CURB
- REMOVING CURB & GUTTER
- REMOVING CONCRETE SIDEWALK
- XXXXX SAWING PAVEMENT
- REMOVING TREE (PAID FOR AS CLEARING AND GRUBBING)
- INLET PROTECTION, TYPE B (UNLESS OTHERWISE NOTED)
- TEMPORARY WOOD POLE
- WOOD POLE WITH TEMPORARY LIGHT
- WISDOT LIGHT POLE ASSEMBLY
- DECORATIVE STREET LIGHT ASSEMBLY
- DECORATIVE SINGLE PEDESTRIAN STREET LIGHT ASSEMBLY
- DECORATIVE PEDESTRIAN STREET LIGHT ASSEMBLY
- CITY STANDARD LIGHT POLE ASSEMBLY
- CONCRETE DIRECT BURIAL LIGHT POLE ASSMELBY
- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- CONDUIT 3" SPECIAL
- OH CABLE-OVERHEAD

SUMMARY OF MATERIALS FOR INFORMATION ONLY	
250 (FT)	CABLE - OVERHEAD

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 29: WISCONSIN AVENUE AT 5TH STREET EB	STREET LIGHTING - TEMPORARY	SHEET E

PRE_131

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\AECOM\Sheets\023629_1t_ltg_5TH_EB.dgn PLOT DATE : 7/30/2019 PLOT BY : benjamin.giese PLOT NAME : PLOT SCALE : 20.00 sf / in.

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- HDPE CONDUIT
- CONDUIT SPECIAL 3", UNLESS OTHERWISE NOTED
- JUNCTION BOX
- CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
- LANDING AREA
- WISDOT LIGHT POLE ASSEMBLY
- DECORATIVE STREET LIGHT ASSEMBLY
- DECORATIVE SINGLE PEDESTRIAN STREET LIGHT ASSEMBLY
- DECORATIVE PEDESTRIAN STREET LIGHT ASSEMBLY
- CITY STANDARD LIGHT POLE ASSEMBLY
- CONCRETE DIRECT BURIAL LIGHT POLE ASSMELBY

L-XX-X — LIGHT POLE NUMBER
STA. 71A+20, 35'LT — STATION LOCATION
A-30-6
- LUMINAIRE ARM LENGTH (FT)
- NOMINAL MOUNTING HEIGHT (FT)
- LIGHT POLE ASSEMBLY (SEE TITLE SHEET FOR DETAILS)

N

EXIST ROW

WISCONSIN AVENUE

281WB

282WB

283WB

INSTALL CONDUIT INTO EXISTING ITEM

PROPOSED NONMETALLIC CONDUIT 2"
INSTALL CONDUIT INTO EXISTING ITEM

INSTALL CONDUIT INTO EXISTING ITEM

EXPB1

EXLP1

PB1

PB2

EXLP3

EXPB4

EXLP4

5TH STREET

EXIST ROW

PROPOSED NONMETALLIC CONDUIT 2"

PROPOSED JUNCTION BOX
STA. 281WB+28, 26'RT

L-29-1
STA. 281WB+31, 26'RT
X-XX-X

PROPOSED NONMETALLIC CONDUIT 2"

EXIST ROW

PROPOSED JUNCTION BOX
STA. 282WB+20, 27'RT

PROPOSED NONMETALLIC CONDUIT 2"

PROPOSED CONDUIT
SPECIAL 3"

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 29: WISCONSIN AVENUE AT 5TH STREET EB	STREET LIGHTING - PROPOSED	SHEET E

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\AECOM\Sheets\023629_2p_ltg_5TH_EB.dgn PLOT DATE : 7/31/2019 PLOT BY : benjamin.giese PLOT NAME : PLOT SCALE : 20.00 sf / in.

LEGEND

- REMOVING PAVEMENT
- REMOVING CURB
- REMOVING CURB & GUTTER
- REMOVING CONCRETE SIDEWALK
- XXXXX SAWING PAVEMENT
- REMOVING TREE (PAID FOR AS CLEARING AND GRUBBING)
- INLET PROTECTION, TYPE B (UNLESS OTHERWISE NOTED)
- TEMPORARY WOOD POLE
- WOOD POLE WITH TEMPORARY LIGHT
- WISDOT LIGHT POLE ASSEMBLY
- DECORATIVE STREET LIGHT ASSEMBLY
- DECORATIVE SINGLE PEDESTRIAN STREET LIGHT ASSEMBLY
- DECORATIVE PEDESTRIAN STREET LIGHT ASSEMBLY
- CITY STANDARD LIGHT POLE ASSEMBLY
- CONCRETE DIRECT BURIAL LIGHT POLE ASSMELBY
- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- CONDUIT 3" SPECIAL
- OH CABLE-OVERHEAD

SUMMARY OF MATERIALS FOR INFORMATION ONLY	
2	TEMPORARY WOOD POLES
300 (FT)	CABLE - OVERHEAD
2	TEMPORARY LIGHTS

WATER STREET

EXIST ROW

OVERHEAD CABLE FOR TEMPORARY ELECTRICAL SERVICE

WOOD POLE WITH TEMPORARY LIGHT

OVERHEAD CABLE FOR TEMPORARY ELECTRICAL SERVICE

EXLP5

EXLP4

WP1

EXLP1

OH

EXPB1

301WB

℄ WISCONSIN AVENUE

302WB

303WB

WISCONSIN AVENUE

EXPB5

EXLP6

WP2

EXLP8

EXLP9

OVERHEAD CABLE FOR TEMPORARY ELECTRICAL SERVICE

WOOD POLE WITH TEMPORARY LIGHT

OVERHEAD CABLE FOR TEMPORARY ELECTRICAL SERVICE

N

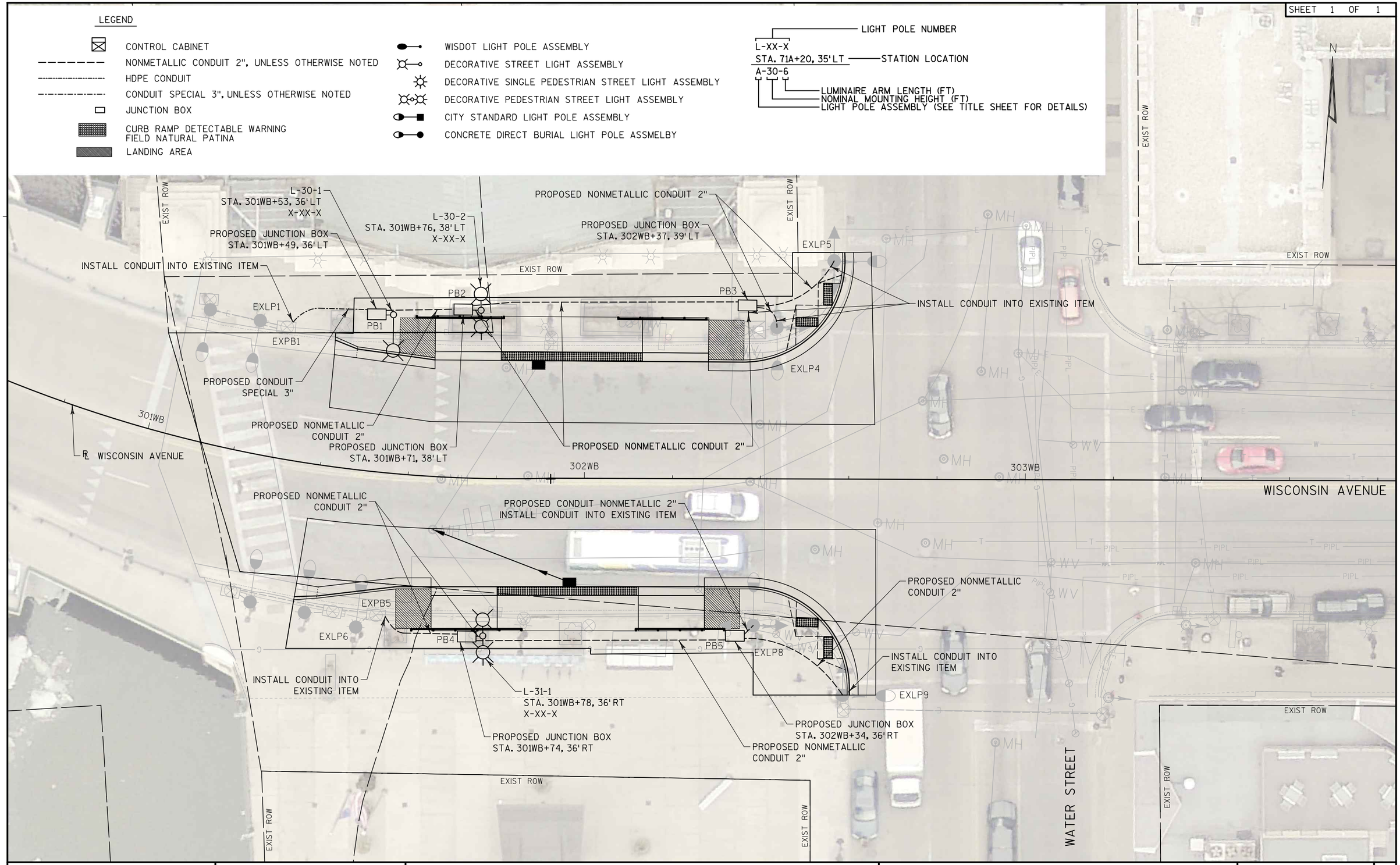
PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 30 & 31: WISCONSIN AVENUE AT WATER STREET WB EB	STREET LIGHTING - TEMPORARY	SHEET E

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\AECOM\Sheets\023630_1t_ltg_WATER_WB_EB.dgn PLOT DATE : 7/30/2019 PLOT BY : benjamin.giese PLOT NAME : PLOT SCALE : 20.00 sf / in.

LEGEND

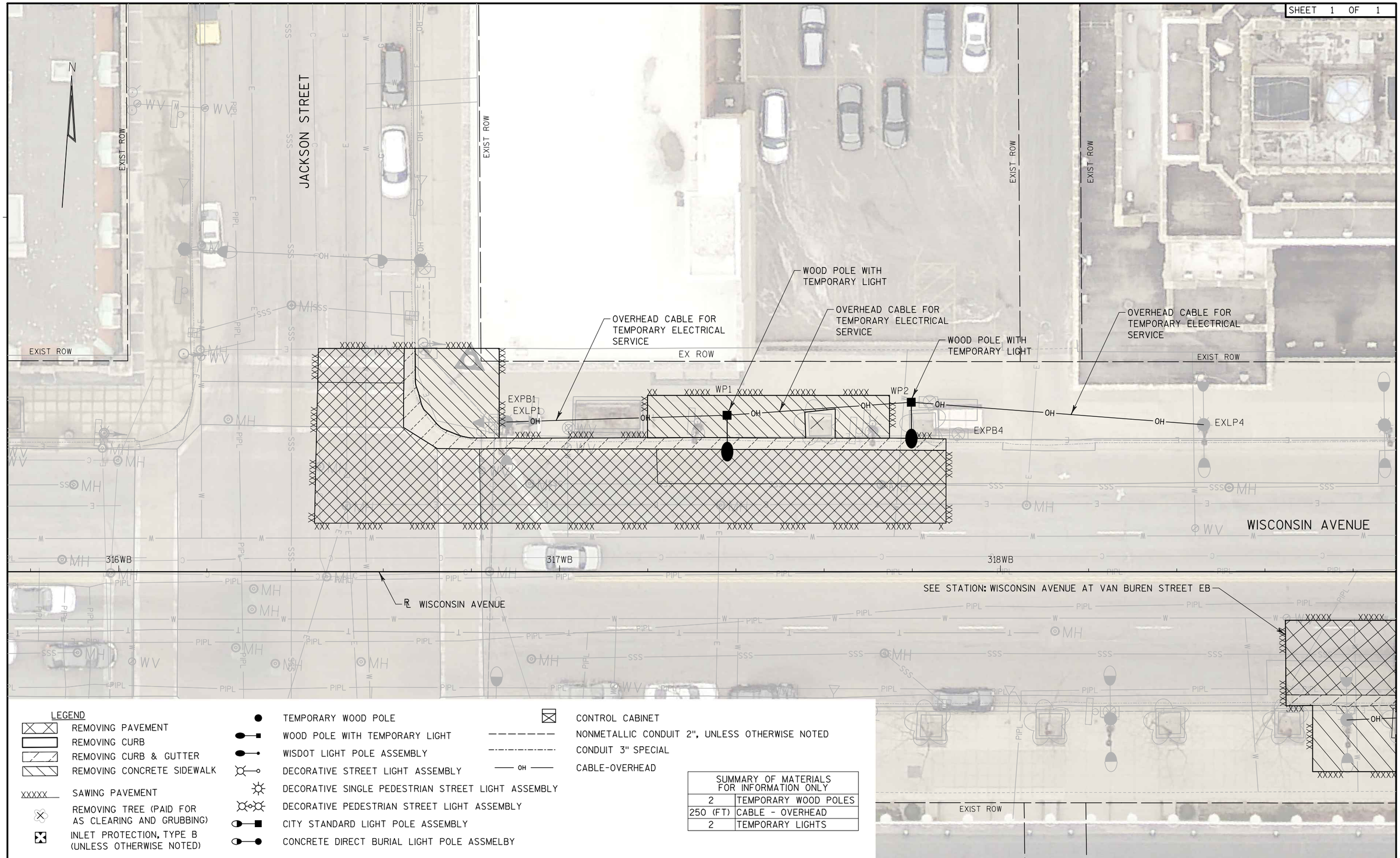
- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- HDPE CONDUIT
- CONDUIT SPECIAL 3", UNLESS OTHERWISE NOTED
- JUNCTION BOX
- CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
- LANDING AREA
- WISDOT LIGHT POLE ASSEMBLY
- DECORATIVE STREET LIGHT ASSEMBLY
- DECORATIVE SINGLE PEDESTRIAN STREET LIGHT ASSEMBLY
- DECORATIVE PEDESTRIAN STREET LIGHT ASSEMBLY
- CITY STANDARD LIGHT POLE ASSEMBLY
- CONCRETE DIRECT BURIAL LIGHT POLE ASSMELBY

L-XX-X — LIGHT POLE NUMBER
STA. 71A+20, 35'LT — STATION LOCATION
A-30-6
- LUMINAIRE ARM LENGTH (FT)
- NOMINAL MOUNTING HEIGHT (FT)
- LIGHT POLE ASSEMBLY (SEE TITLE SHEET FOR DETAILS)



PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 30 & 31: WISCONSIN AVENUE AT WATER STREET WB EB	STREET LIGHTING - PROPOSED	SHEET E

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\AECOM\Sheets\023630_2p_ltg_WATER_WB_EB.dgn PLOT DATE : 7/30/2019 PLOT BY : benjamin.giese PLOT NAME : PLOT SCALE : 20.00 sf / in.



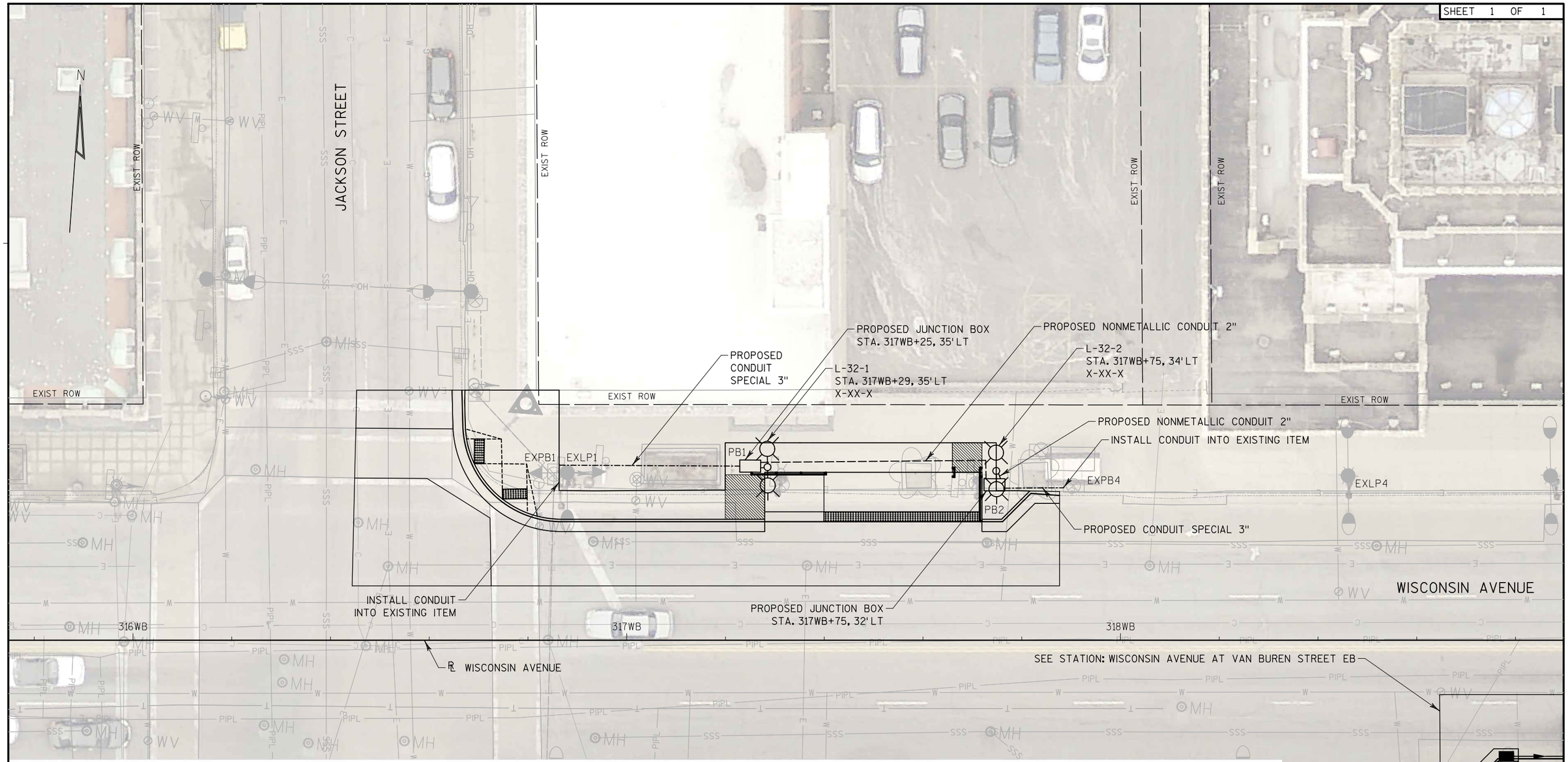
LEGEND

- REMOVING PAVEMENT
- REMOVING CURB
- REMOVING CURB & GUTTER
- REMOVING CONCRETE SIDEWALK
- XXXXX SAWING PAVEMENT
- REMOVING TREE (PAID FOR AS CLEARING AND GRUBBING)
- INLET PROTECTION, TYPE B (UNLESS OTHERWISE NOTED)
- TEMPORARY WOOD POLE
- WOOD POLE WITH TEMPORARY LIGHT
- WISDOT LIGHT POLE ASSEMBLY
- DECORATIVE STREET LIGHT ASSEMBLY
- DECORATIVE SINGLE PEDESTRIAN STREET LIGHT ASSEMBLY
- DECORATIVE PEDESTRIAN STREET LIGHT ASSEMBLY
- CITY STANDARD LIGHT POLE ASSEMBLY
- CONCRETE DIRECT BURIAL LIGHT POLE ASSMELBY
- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- CONDUIT 3" SPECIAL
- OH CABLE-OVERHEAD

SUMMARY OF MATERIALS FOR INFORMATION ONLY	
2	TEMPORARY WOOD POLES
250 (FT)	CABLE - OVERHEAD
2	TEMPORARY LIGHTS

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 32: WISCONSIN AVENUE AT JACKSON STREET WB	STREET LIGHTING - TEMPORARY	SHEET E

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\AECOM\Sheets\023632_1t_ltg_Van Buren_WB.dgn DATE : 7/30/2019 PLOT BY : benjamin.giese PLOT NAME : PLOT SCALE : 20.00 sf / in.



LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- HDPE CONDUIT
- CONDUIT SPECIAL 3", UNLESS OTHERWISE NOTED
- JUNCTION BOX
- CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
- LANDING AREA
- WISDOT LIGHT POLE ASSEMBLY
- DECORATIVE STREET LIGHT ASSEMBLY
- DECORATIVE SINGLE PEDESTRIAN STREET LIGHT ASSEMBLY
- DECORATIVE PEDESTRIAN STREET LIGHT ASSEMBLY
- CITY STANDARD LIGHT POLE ASSEMBLY
- CONCRETE DIRECT BURIAL LIGHT POLE ASSMELBY

L-XX-X — LIGHT POLE NUMBER
STA. 71A+20, 35'LT — STATION LOCATION
A-30-6
- LUMINAIRE ARM LENGTH (FT)
- NOMINAL MOUNTING HEIGHT (FT)
- LIGHT POLE ASSEMBLY (SEE TITLE SHEET FOR DETAILS)

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 32: WISCONSIN AVENUE AT JACKSON STREET WB	STREET LIGHTING - PROPOSED	SHEET E

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\AECOM\Sheets\023632_2p_ltg_Van Buren_WB.dgn PLOT DATE : 7/30/2019 PLOT BY : benjamin.giese PLOT NAME : PLOT SCALE : 20.00 sf / in.
WISDOT/CADDS SHEET 42

N

EXIST ROW

VAN BUREN STREET

EXIST ROW

EXIST ROW

OH

OH

EXLP3

OH EXPB6

OVERHEAD CABLE FOR TEMPORARY ELECTRICAL SERVICE

WISCONSIN AVENUE

318WB 319WB 320WB 321WB

℄ WISCONSIN AVENUE

OH

OH OH

EXPB1

EXLP1

EXLP2

EXPB5

OVERHEAD CABLE FOR TEMPORARY ELECTRICAL SERVICE

EXIST ROW

EXIST ROW

LEGEND

- REMOVING PAVEMENT
- REMOVING CURB
- REMOVING CURB & GUTTER
- REMOVING CONCRETE SIDEWALK
- XXXXX SAWING PAVEMENT
- REMOVING TREE (PAID FOR AS CLEARING AND GRUBBING)
- INLET PROTECTION, TYPE B (UNLESS OTHERWISE NOTED)
- TEMPORARY WOOD POLE
- WOOD POLE WITH TEMPORARY LIGHT
- WISDOT LIGHT POLE ASSEMBLY
- DECORATIVE STREET LIGHT ASSEMBLY
- DECORATIVE SINGLE PEDESTRIAN STREET LIGHT ASSEMBLY
- DECORATIVE PEDESTRIAN STREET LIGHT ASSEMBLY
- CITY STANDARD LIGHT POLE ASSEMBLY
- CONCRETE DIRECT BURIAL LIGHT POLE ASSMELBY
- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- CONDUIT 3" SPECIAL
- OH CABLE-OVERHEAD

SUMMARY OF MATERIALS FOR INFORMATION ONLY	
200 (FT)	CABLE - OVERHEAD

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 33: WISCONSIN AVENUE AT VAN BUREN STREET EB	STREET LIGHTING - TEMPORARY	SHEET E

PRE_137

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\AECOM\Sheets\023633_1t_ltg_VanBuren_EB.dgn PLOT DATE : 7/30/2019 PLOT BY : benjamin.giese PLOT NAME : PLOT SCALE : 20.00 sf / in.

N

EXIST ROW

VAN BUREN STREET

EXIST ROW

EXIST ROW

EXLP3

EXPB6

WISCONSIN AVENUE

318WB 319WB 320WB 321WB

INSTALL CONDUIT INTO EXISTING ITEM

CONNECT PROPOSED CONDUIT INTO EXISTING CONDUIT

PROPOSED NOMETALLIC CONDUIT 2"

EXPB5

℄ WISCONSIN AVENUE

EXPB1 EXLP1 PB1 EXPB5

PROPOSED NONMETALLIC CONDUIT 2"

EXIST ROW

PROPOSED JUNCTION BOX
STA. 319WB+29, 37' RT

EXLP2

EXIST ROW

INSTALL CONDUIT INTO EXISTING ITEM

PROPOSED NONMETALLIC CONDUIT 2"

EXIST ROW

EXIST ROW

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- HDPE CONDUIT
- CONDUIT SPECIAL 3", UNLESS OTHERWISE NOTED
- JUNCTION BOX
- CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
- LANDING AREA

- WISDOT LIGHT POLE ASSEMBLY
- DECORATIVE STREET LIGHT ASSEMBLY
- DECORATIVE SINGLE PEDESTRIAN STREET LIGHT ASSEMBLY
- DECORATIVE PEDESTRIAN STREET LIGHT ASSEMBLY
- CITY STANDARD LIGHT POLE ASSEMBLY
- CONCRETE DIRECT BURIAL LIGHT POLE ASSMELBY

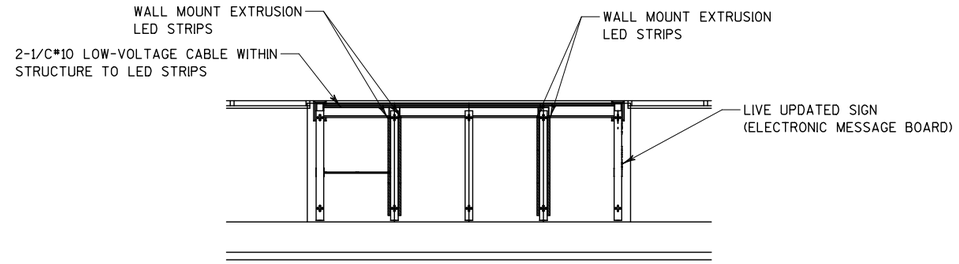
L-XX-X — LIGHT POLE NUMBER
STA. 71A+20, 35' LT — STATION LOCATION
A-30-6
- LUMINAIRE ARM LENGTH (FT)
- NOMINAL MOUNTING HEIGHT (FT)
- LIGHT POLE ASSEMBLY (SEE TITLE SHEET FOR DETAILS)

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 33: WISCONSIN AVENUE AT VAN BUREN STREET EB	STREET LIGHTING - PROPOSED	SHEET E

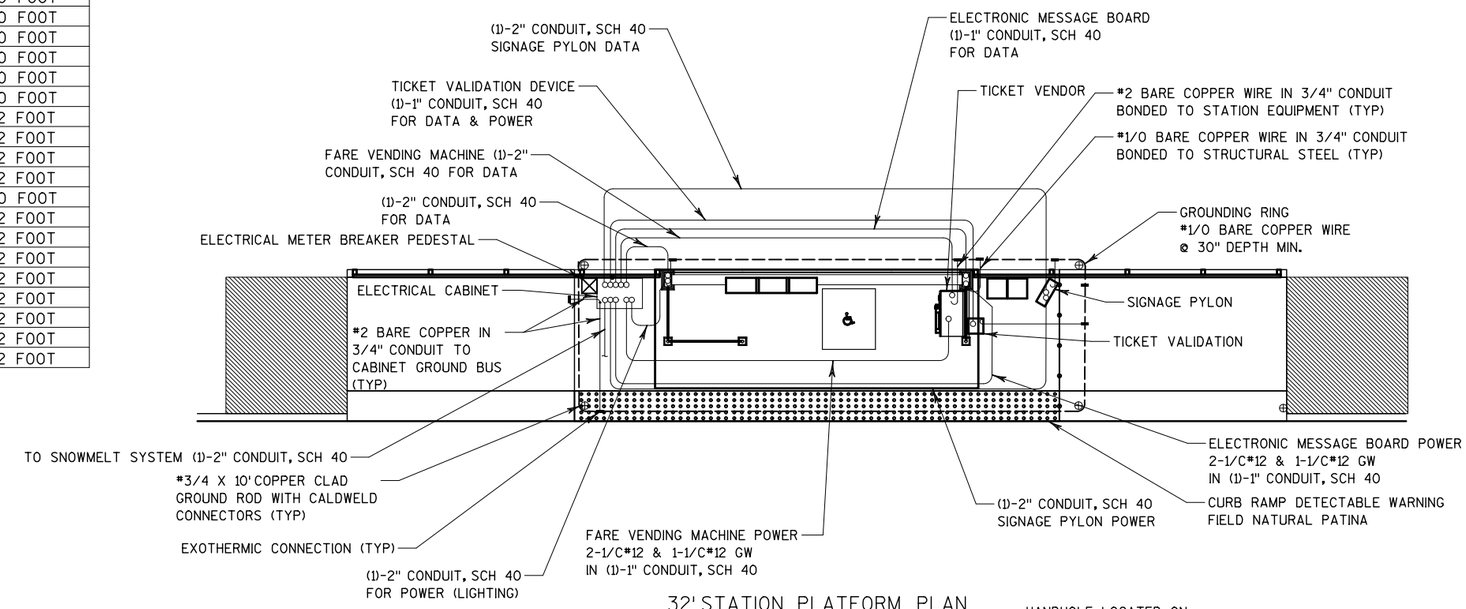
PRE_138

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\AECOM\Sheets\023633_2p_ltg_VanBuren_EB.dgn PLOT DATE : 7/30/2019 PLOT BY : benjamin.giese PLOT NAME : PLOT SCALE : 20.00 sf / in.

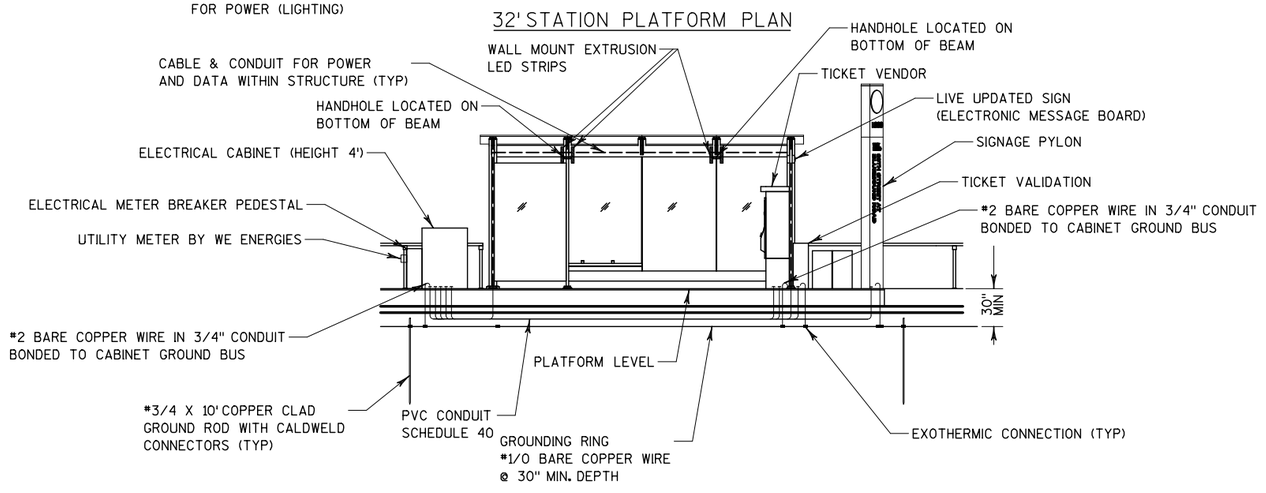
STATION TYPE		
#	STATION NAME	PLATFORM TYPE
1	WATERTOWN PLANK PnR	52 FOOT
4	BLUEMOUND AT 95TH WB	40 FOOT
5	BLUEMOUND AT 95TH EB	40 FOOT
6	BLUEMOUND WEST OF GLENVIEW WB	40 FOOT
7	BLUEMOUND EAST OF GLENVIEW EB	40 FOOT
8	BLUEMOUND WEST OF 76TH WB	40 FOOT
9	BLUEMOUND WEST OF 76TH EB	40 FOOT
10	BLUEMOUND WEST OF 68TH WB	32 FOOT
11	BLUEMOUND EAST OF 68TH EB	32 FOOT
12	HAWLEY & MICHIGAN NB	40 FOOT
13	HAWLEY & MICHIGAN SB	40 FOOT
14	WISCONSIN BETWEEN 52/53 WB	40 FOOT
15	WISCONSIN BETWEEN 52/53 EB	40 FOOT
16	WISCONSIN AT 45TH WB	40 FOOT
17	WISCONSIN AT 45TH EB	40 FOOT
18	WISCONSIN WEST OF 35TH WB	40 FOOT
19	WISCONSIN EAST OF 35TH EB	40 FOOT
20	WISCONSIN WEST OF 27TH WB	40 FOOT
21	WISCONSIN EAST OF 27TH EB	52 FOOT
22	WISCONSIN WEST OF 16TH WB	52 FOOT
23	WISCONSIN EAST OF 16TH EB	52 FOOT
24	WISCONSIN WEST OF 12TH WB	52 FOOT
25	WISCONSIN EAST OF 12TH EB	40 FOOT
26	WISCONSIN WEST OF 9TH EB	52 FOOT
27	WISCONSIN EAST OF 9TH WB	32 FOOT
28	WISCONSIN WEST OF 5TH WB	52 FOOT
29	WISCONSIN EAST OF 5TH EB	52 FOOT
30	WISCONSIN AT WATER WB	32 FOOT
31	WISCONSIN AT WATER EB	32 FOOT
32	WISCONSIN WEST OF VAN BUREN WB	32 FOOT
33	WISCONSIN EAST OF VAN BUREN EB	32 FOOT



SHELTER ROOF PLAN



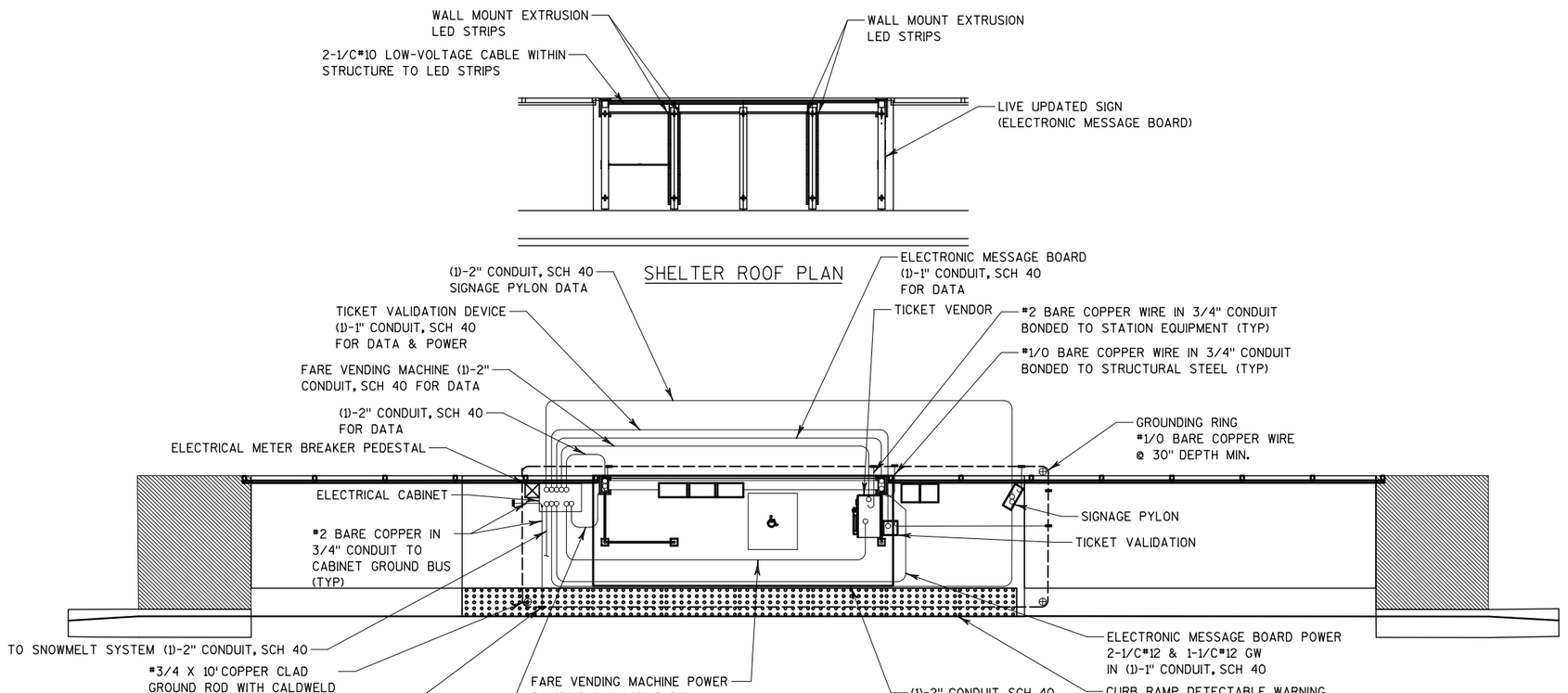
32' STATION PLATFORM PLAN



TYPICAL ELECTRICAL DETAILS 32' PLATFORM - 21FT STATION

PROJECT NO: 60528491	COUNTY: MILWAUKEE	32 FOOT STATION PLATFORM	ELECTRICAL DETAILS	SHEET E

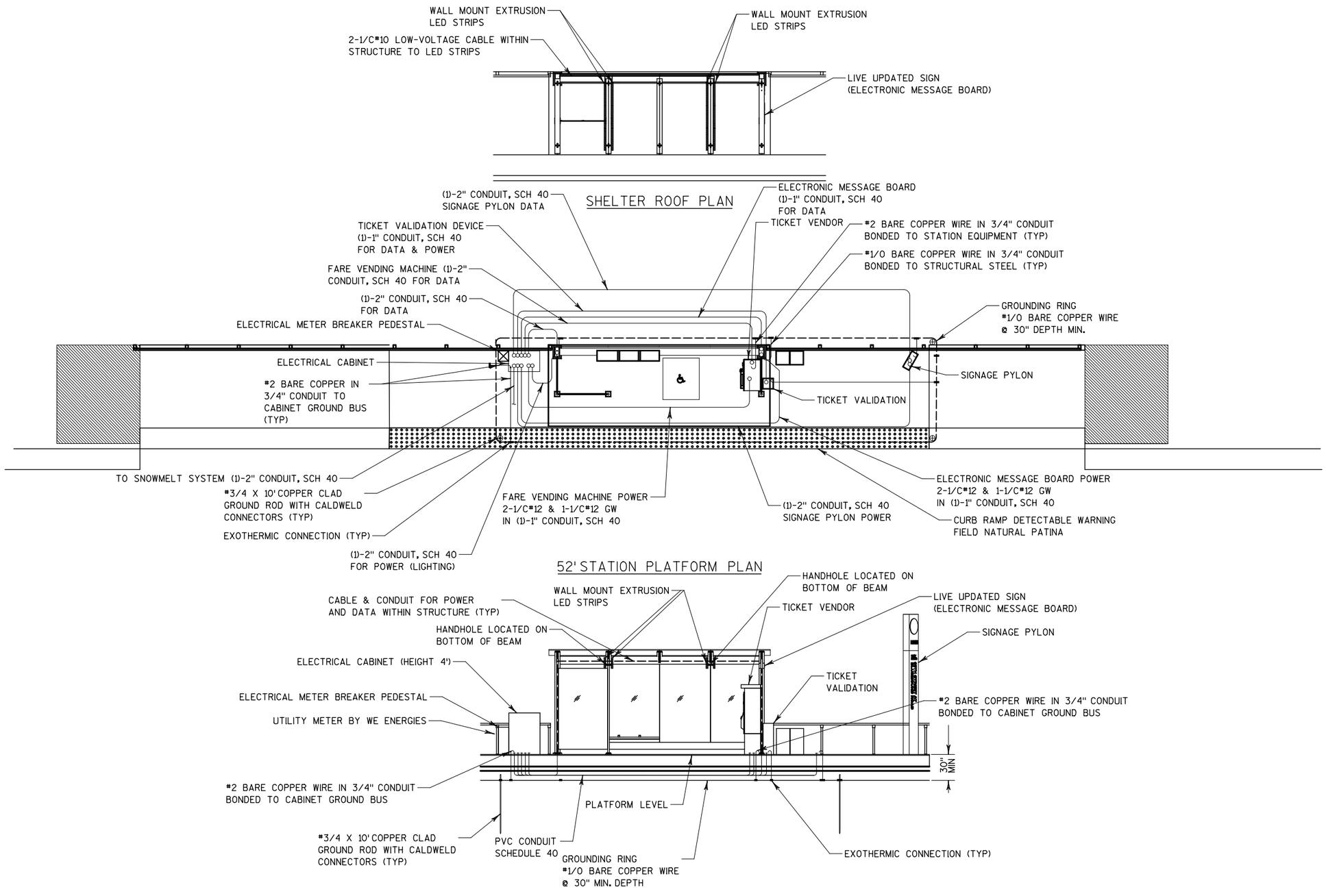
FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\AECOM\Sheets\023600_1_cd_electrical.dgn PLOT DATE : 7/30/2019 PLOT BY : benjamin.giese PLOT NAME : PLOT SCALE : 10.00 sf / in.



TYPICAL ELECTRICAL DETAILS 40'PLATFORM - 21FT STATION

PROJECT NO:60528491	COUNTY:MILWAUKEE	40 FOOT STATION PLATFORM	ELECTRICAL DETAILS	SHEET E

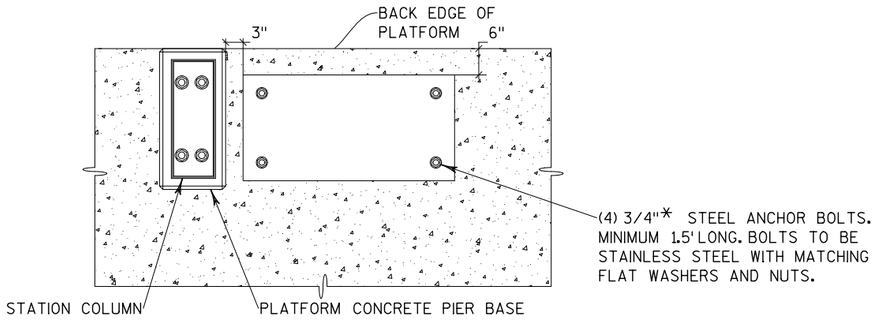
PRE_140



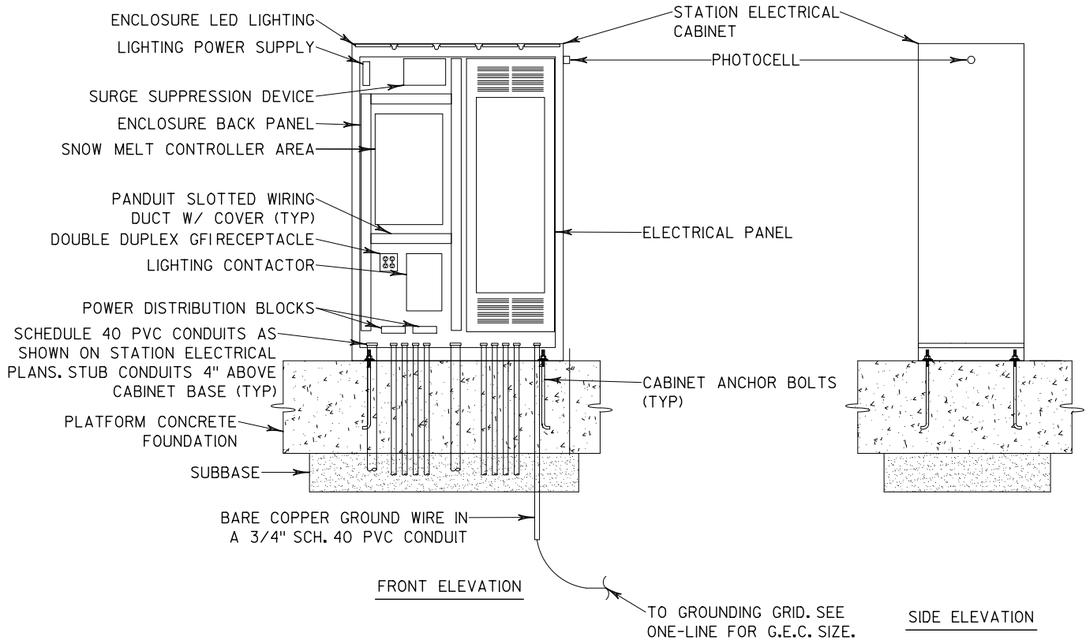
TYPICAL ELECTRICAL DETAILS 52' PLATFORM - 21 FT STATION

PROJECT NO: 60528491	COUNTY: MILWAUKEE	52 FOOT STATION PLATFORM	ELECTRICAL DETAILS	SHEET E

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\AECOM\Sheets\023600_1_cd_electrical.dgn PLOT DATE : 7/30/2019 PLOT BY : benjamin.giese PLOT NAME : PLOT SCALE : 10.00 sf / in.
WISDOT/CADDS SHEET 42



PLAN VIEW



FRONT ELEVATION

SIDE ELEVATION

NOTES:

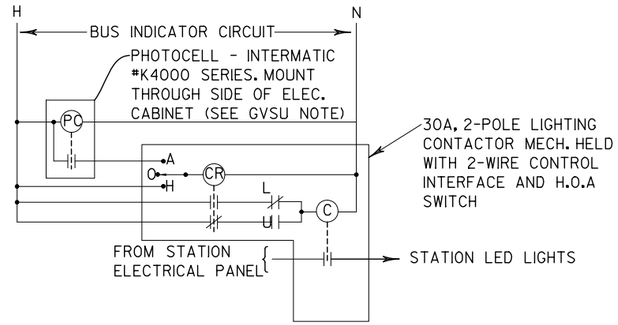
1. AVAILABLE SPACE IN ENCLOSURE IS MINIMAL. ENCLOSURE ELECTRICAL EQUIPMENT LAYOUT BASED ON THE FOLLOWING MANUFACTURERS. IF OTHER MANUFACTURERS ARE USED, ELECTRICAL CONTRACTOR SHALL COORDINATE TO ENSURE ALL EQUIPMENT WILL FIT IN SPACE PROVIDED.

   * PANELBOARD: SQUARE D "NQ", 30 SPACE, 20" WIDE, NEMA 1 ENCLOSURE.
   * LIGHTING CONTACTOR: SQUARE D "LXG", 30A, NEMA 1 ENCLOSURE.
   * SURGE PROTECTION DEVICE: LIEBERT "LPL", 100kA.
   * SNOWMELT SYSTEM: RAYCHEM APS SERIES CONTROLLER, WITH COMPATIBLE ACTIVATION DEVICE.
   * PANDUIT WIRING DUCT: TYPE G WIDE SLOT, 2.25"x4.10".

2. THE FOLLOWING ENCLOSURE EQUIPMENT PROVIDED AND INSTALLED BY OTHERS: SNOWMELT SYSTEM. CONFIRM EXACT SYSTEM DIMENSION OF THESE DEVICES PRIOR TO INSTALLATION OF ELECTRICAL EQUIPMENT AND ADJUST ENCLOSURE EQUIPMENT LAYOUT AS REQUIRED TO ENSURE PROPER FIT OF ALL DEVICES.

ELECTRICAL CABINET DETAIL

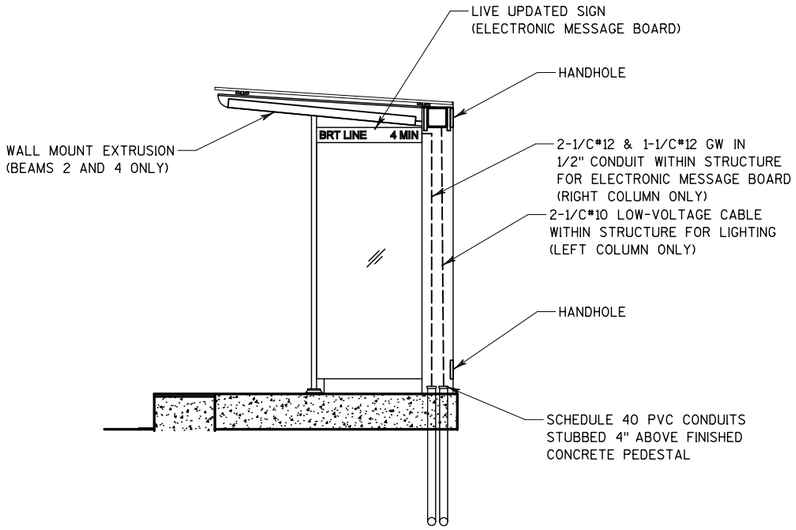
NOT TO SCALE



STATION LIGHTING CONTROL DIAGRAMS

PROJECT NO: 60528491	COUNTY: MILWAUKEE	CABINET & LIGHTING CONTROLS	ELECTRICAL DETAILS	SHEET E

PRE_142


LIVE UPDATED SIGN
(ELECTRONIC MESSAGE BOARD)
HANDHOLE
WALL MOUNT EXTRUSION
(BEAMS 2 AND 4 ONLY)
BRT LINE
4 MIN
2-1/C#12 & 1-1/C#12 GW IN
1/2" CONDUIT WITHIN STRUCTURE
FOR ELECTRONIC MESSAGE BOARD
(RIGHT COLUMN ONLY)
2-1/C#10 LOW-VOLTAGE CABLE
WITHIN STRUCTURE FOR LIGHTING
(LEFT COLUMN ONLY)
HANDHOLE
SCHEDULE 40 PVC CONDUITS
STUBBED 4" ABOVE FINISHED
CONCRETE PEDESTAL

PANELBOARD LOAD SHEET

PANEL NUMBER

TYPICAL 240V STATION

MAINS: 150 AMP MCB
VOLTAGE: 120/240 1φ 3W 60HZ
NEUTRAL: 100% OF MAIN BUS RATING
GRD BUS: NON-ISOLATED
INTERRUPTING: 22 KAIC

FILE NO: 023600
PROJECT: MILWAUKEE BRT
PNL LOCATION: ELECTRICAL CABINET
MOUNTING: SURFACE
PANEL TYPE: NQ

CKT NO	LOAD DESCRIPTION	LOADS (VA) LTG	REC	MTR	MISC	BKR AMP	BKR P	PH	BKR P	BKR AMP	LOADS (VA) LTG	REC	MTR	MISC	LOAD DESCRIPTION	CKT NO
1	CABINET RECEPTACLES (DOUBLE)		720			20	1	A	1	15	200				CANOPY LTG	2
3	SPACE					-	-	B	-	-					SPACE	4
5	VARIABLE MESSAGE SIGN				450	15	1	A	-	-					SPACE	6
7	COMMUNICATION PDU				1400	20	1	B	1	20				900	TICKET VENDING MACHINE	8
9	SPACE					-	-	A	-	-					SPACE	10
11	SPACE					-	-	B	-	-					SPACE	12
13	SPARE				500	20	1	A	-	-					SPACE	14
15	SNOW MELT SYSTEM				1840	20		B		20				1840	SNOW MELT SYSTEM	16
17	#1				1840		2	A	2					1840	#3	18
19	SNOW MELT SYSTEM				1840	20		B		20				1840	SNOW MELT SYSTEM	20
21	#2				1840		2	A	2					1840	#4	22
23								B								24
25								A								26
27								B								28
29								A								30
	SUBTOTALS (VA)	-	720	-	9210						200	-	-	8260	SUBTOTALS (VA)	
	CONNECTED LOADS (VA)	200	720	-	17470											
	DESIGN FACTORS	1.25	NEC	1.0	1.0											
	DESIGN LOADS (VA)	250	720	-	17470											

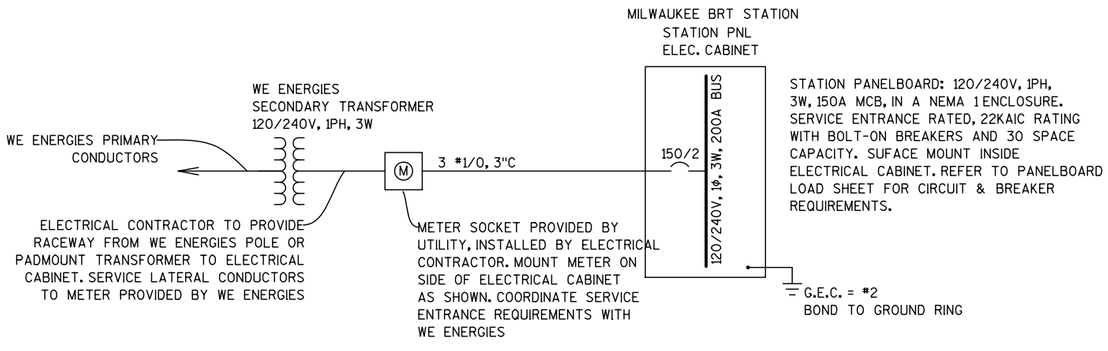
REMARKS:

TOTAL CONNECTED LOAD 18.4 kVA 76.7 AMPS
TOTAL DESIGN LOAD 18.6 kVA 77.5 AMPS

NOTE:
NEC = 1ST 10kVA OF REC'S @ 100%, REST @ 50%

STATION:

GENERAL PANELBOARD LOAD SHEET:
1. CONTRACTOR TO VERIFY SNOW MELT CIRCUIT REQUIREMENTS AND QUANTITIES PER EACH STATION PRIOR TO ORDERING EQUIPMENT.
2. SNOW MELTING SYSTEM CIRCUIT BREAKERS SHALL HAVE GROUND FAULT PROTECTION OF 30 mA.

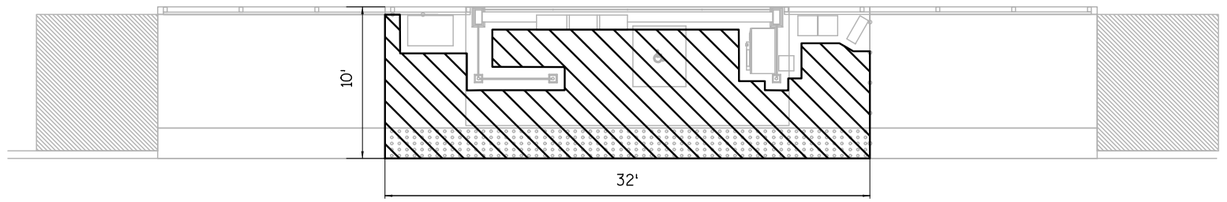


TYPICAL STATION ONE LINE DIAGRAM

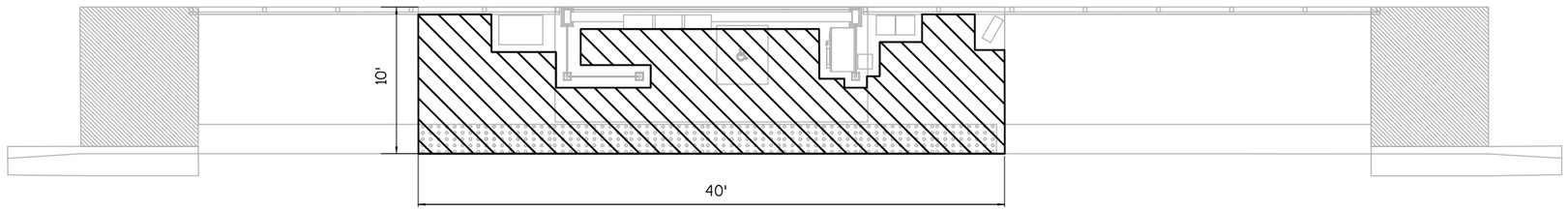
120/240V, 1φ, 3W

NOTE

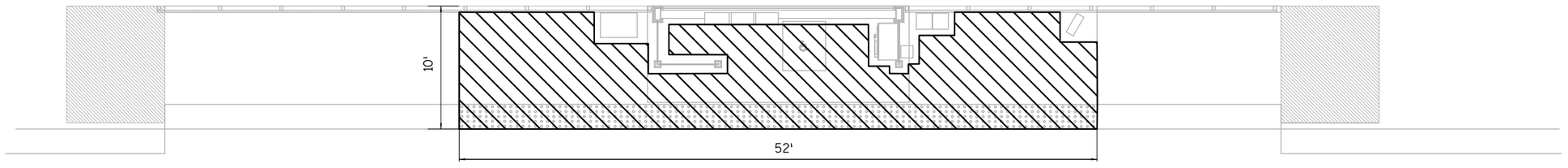
1. KEEP A MINIMUM SEPARATION OF 0.5' BETWEEN THE SNOW MELT SYSTEM AND THE COLUMNS AND POWER EQUIPMENT.
2. HATCHING DENOTES LIMITS OF PROPOSED SNOW MELT SYSTEM. LIMITS HAVE BEEN DETERMINED TO PROVIDE POSITIVE DRAINAGE.
3. WHERE SNOW MELT CONDUCTORS CROSS AN EXPANSION JOINT A NONCONDUCTIVE CABLE MUST BE SPLICED INTO THE SNOW MELT CABLE AND ROUTE DOWN BELOW THE EXPANSION JOINT.



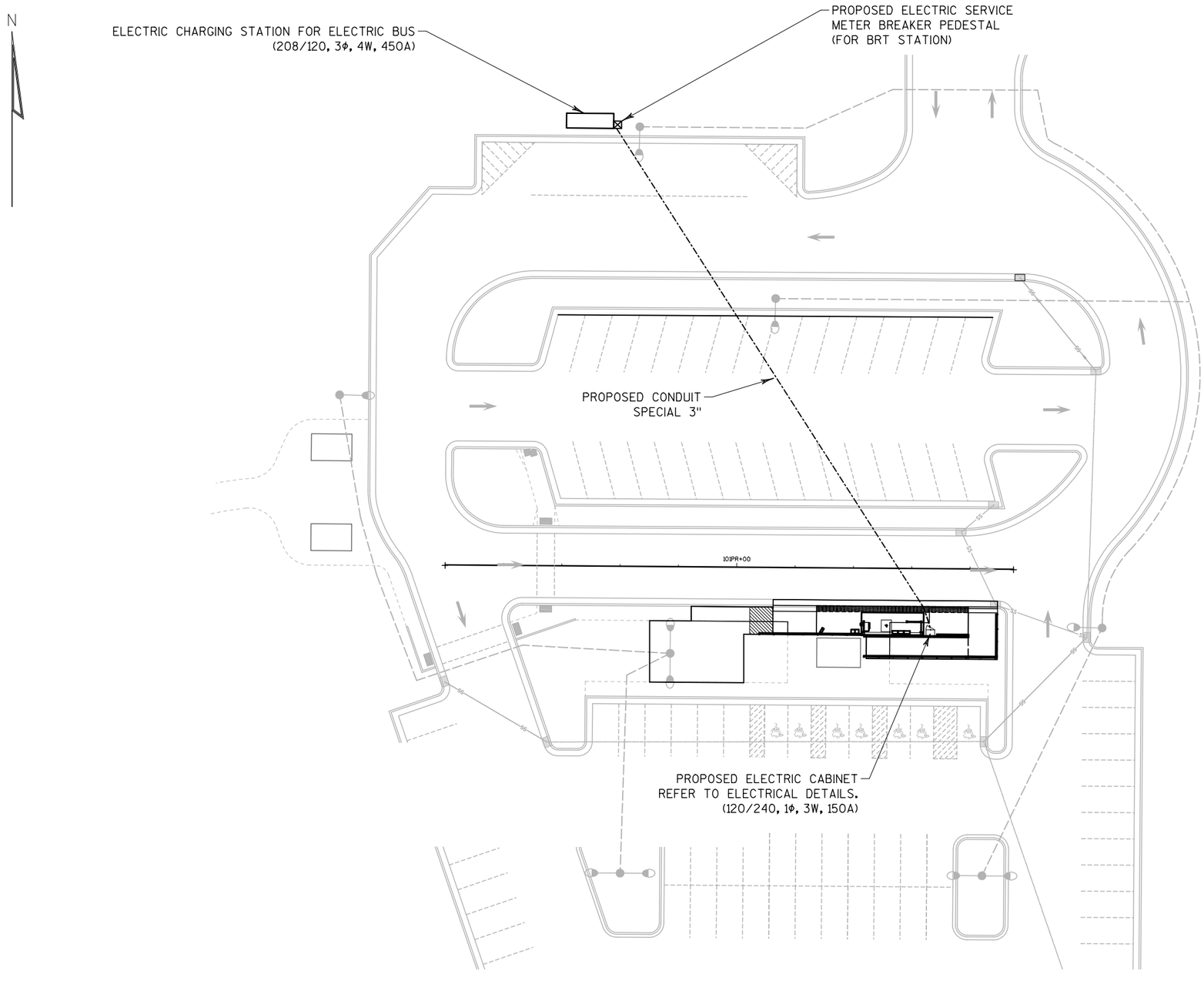
32' STATION PLATFORM PLAN (232 SQ FT OF SNOW MELT)



40' STATION PLATFORM PLAN (308 SQ FT OF SNOW MELT)



52' STATION PLATFORM PLAN (420 SQ FT OF SNOW MELT)



LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- HDPE CONDUIT
- CONDUIT SPECIAL 3", UNLESS OTHERWISE NOTED
- JUNCTION BOX
- CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
- LANDING AREA
- WISDOT LIGHT POLE ASSEMBLY
- DECORATIVE STREET LIGHT ASSEMBLY
- DECORATIVE SINGLE PEDESTRIAN STREET LIGHT ASSEMBLY
- DECORATIVE PEDESTRIAN STREET LIGHT ASSEMBLY
- CITY STANDARD LIGHT POLE ASSEMBLY
- CONCRETE DIRECT BURIAL LIGHT POLE ASSMELBY
- ELECTRIC SERVICE METER BREAKER PEDESTAL

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 1: WATERTOWN PLANK PARK AND RIDE	ELECTRICAL - PROPOSED	SHEET E

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\AECOM\Sheets\023601_1_e_ParkNRide.dgn PLOT DATE : 7/30/2019 PLOT BY : tkachukt PLOT NAME : PLOT SCALE : 40.00 sf / in.
WISDOT/CADDS SHEET 42

N

95TH STREET

+00

107NF+00

℄ 95TH STREET

108NF+00

109NF+00

PROPOSED ELECTRIC SERVICE
METER BREAKER PEDESTAL

PROPOSED ELECTRIC CABINET
REFER TO ELECTRICAL DETAILS.
(120/240, 1ϕ, 3W, 150A)

EXIST ROW

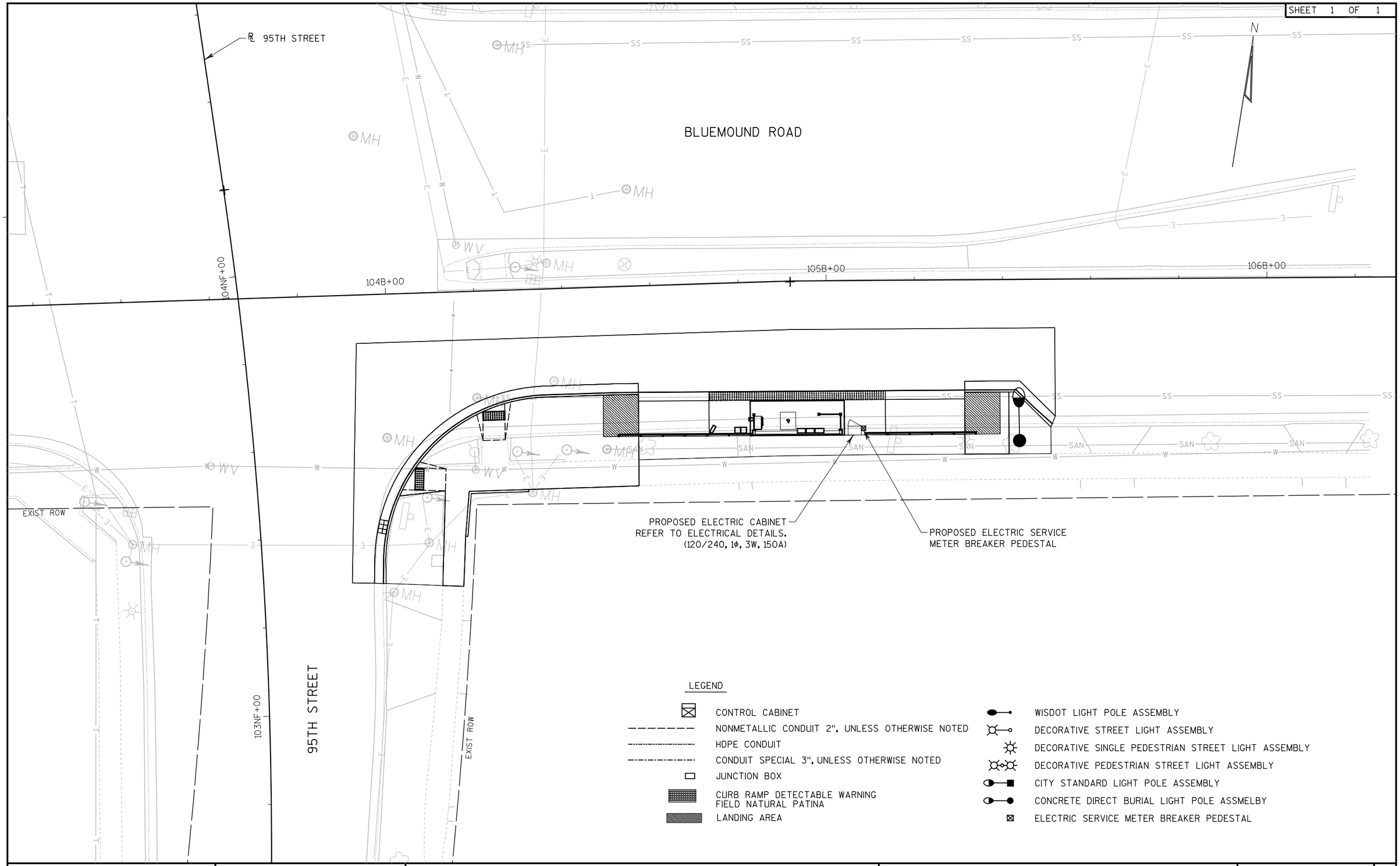
LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- HDPE CONDUIT
- CONDUIT SPECIAL 3", UNLESS OTHERWISE NOTED
- JUNCTION BOX
- CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
- LANDING AREA
- WISDOT LIGHT POLE ASSEMBLY
- DECORATIVE STREET LIGHT ASSEMBLY
- DECORATIVE SINGLE PEDESTRIAN STREET LIGHT ASSEMBLY
- DECORATIVE PEDESTRIAN STREET LIGHT ASSEMBLY
- CITY STANDARD LIGHT POLE ASSEMBLY
- CONCRETE DIRECT BURIAL LIGHT POLE ASSMELBY
- ELECTRIC SERVICE METER BREAKER PEDESTAL

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 4: 95TH STREET AT BLUEMOUND ROAD NB	ELECTRICAL - PROPOSED	SHEET E

PRE_147

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\AECOM\Sheets\023604_1_e_95TH_NB.dgn PLOT DATE : 7/31/2019 PLOT BY : tkachukt PLOT NAME : PLOT SCALE : 20.00 sf / in.



PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 5: BLUEMOUND ROAD AT 95TH STREET EB	ELECTRICAL - PROPOSED	SHEET E

PRE_148

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\AECOM\Sheets\023605_3_e_95TH_EB.dgn PLOT DATE : 7/31/2019 PLOT BY : benjamin.giese PLOT NAME : PLOT SCALE : 20.00 sf / in.

N

ROBERTSON STREET

EXIST ROW

EXIST ROW

EXIST ROW

PROPOSED ELECTRIC SERVICE METER BREAKER PEDESTAL

PROPOSED ELECTRIC CABINET REFER TO ELECTRICAL DETAILS. (120/240, 1φ, 3W, 150A)

BLUEMOUND ROAD

℄ BLUEMOUND ROAD

141B+00

142B+00

143B+00

EXIST ROW

EXIST ROW

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- HDPE CONDUIT
- CONDUIT SPECIAL 3", UNLESS OTHERWISE NOTED
- JUNCTION BOX
- CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
- LANDING AREA
- WISDOT LIGHT POLE ASSEMBLY
- DECORATIVE STREET LIGHT ASSEMBLY
- DECORATIVE SINGLE PEDESTRIAN STREET LIGHT ASSEMBLY
- DECORATIVE PEDESTRIAN STREET LIGHT ASSEMBLY
- CITY STANDARD LIGHT POLE ASSEMBLY
- CONCRETE DIRECT BURIAL LIGHT POLE ASSMELBY
- ELECTRIC SERVICE METER BREAKER PEDESTAL

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 6: BLUEMOUND RD & GLENVIEW AVE (WB)	ELECTRICAL - PROPOSED	SHEET E

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\AECOM\Sheets\023606_1_e_Glenview_WB.dgn PLOT DATE : 7/30/2019 PLOT BY : tkachukt PLOT NAME : PLOT SCALE : 20.00 sf / in.

EXIST ROW

N

BLUEMOUND ROAD

MH

148B+00

149B+00

℄ BLUEMOUND ROAD

150B+00

PROPOSED ELECTRIC SERVICE METER BREAKER PEDESTAL

PROPOSED ELECTRIC CABINET REFER TO ELECTRICAL DETAILS. (120/240, 1ϕ, 3W, 150A)

MH

EXIST ROW

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- HDPE CONDUIT
- CONDUIT SPECIAL 3", UNLESS OTHERWISE NOTED
- JUNCTION BOX
- CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
- LANDING AREA
- WISDOT LIGHT POLE ASSEMBLY
- DECORATIVE STREET LIGHT ASSEMBLY
- DECORATIVE SINGLE PEDESTRIAN STREET LIGHT ASSEMBLY
- DECORATIVE PEDESTRIAN STREET LIGHT ASSEMBLY
- CITY STANDARD LIGHT POLE ASSEMBLY
- CONCRETE DIRECT BURIAL LIGHT POLE ASSMELBY
- ELECTRIC SERVICE METER BREAKER PEDESTAL

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 7: BLUEMOUND ROAD AT GLENVIEW AVENUE EB	ELECTRICAL - PROPOSED	SHEET E

PRE_150

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\AECOM\Sheets\023607_2_e_GLENVIEW_EB.dgn PLOT DATE : 7/30/2019 PLOT BY : tkachukt PLOT NAME : PLOT SCALE : 20.00 sf / in.

76TH STREET

EXIST ROW

N

PROPOSED ELECTRIC SERVICE METER BREAKER PEDESTAL

PROPOSED ELECTRIC CABINET REFER TO ELECTRICAL DETAILS. (120/240, 1ϕ, 3W, 150A)

EXIST ROW

EXIST ROW

169B+00 170B+00 171B+00 172B+00

EXIST ROW

EXIST ROW

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- HDPE CONDUIT
- CONDUIT SPECIAL 3", UNLESS OTHERWISE NOTED
- JUNCTION BOX
- CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
- LANDING AREA
- WISDOT LIGHT POLE ASSEMBLY
- DECORATIVE STREET LIGHT ASSEMBLY
- DECORATIVE SINGLE PEDESTRIAN STREET LIGHT ASSEMBLY
- DECORATIVE PEDESTRIAN STREET LIGHT ASSEMBLY
- CITY STANDARD LIGHT POLE ASSEMBLY
- CONCRETE DIRECT BURIAL LIGHT POLE ASSMELBY
- ELECTRIC SERVICE METER BREAKER PEDESTAL

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 8: BLUEMOUND ROAD AT 76TH STREET WB	ELECTRICAL - PROPOSED	SHEET E

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\AECOM\Sheets\023608_1_e_76TH_WB.dgn PLOT DATE : 7/30/2019 PLOT BY : tkachukt PLOT NAME : PLOT SCALE : 20.00 sf / in.

WISDOT/CADDS SHEET 42

N

77TH STREET

EXIST ROW

BLUEMOUND ROAD

℄ BLUEMOUND ROAD

165B+00 166B+00 167B+00 168B+00

PROPOSED ELECTRIC CABINET
REFER TO ELECTRICAL DETAILS.
(120/240, 1ϕ, 3W, 150A)

PROPOSED ELECTRIC SERVICE
METER BREAKER PEDESTAL

EXIST ROW

EXIST ROW

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- HDPE CONDUIT
- CONDUIT SPECIAL 3", UNLESS OTHERWISE NOTED
- JUNCTION BOX
- CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
- LANDING AREA
- WISDOT LIGHT POLE ASSEMBLY
- DECORATIVE STREET LIGHT ASSEMBLY
- DECORATIVE SINGLE PEDESTRIAN STREET LIGHT ASSEMBLY
- DECORATIVE PEDESTRIAN STREET LIGHT ASSEMBLY
- CITY STANDARD LIGHT POLE ASSEMBLY
- CONCRETE DIRECT BURIAL LIGHT POLE ASSMELBY
- ELECTRIC SERVICE METER BREAKER PEDESTAL

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 9: BLUEMOUND ROAD AT 76TH STREET EB	ELECTRICAL - PROPOSED	SHEET E

PRE_152

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\AECOM\Sheets\023609_2_e_76TH_EB.dgn PLOT DATE : 7/30/2019 PLOT BY : tkachukt PLOT NAME : PLOT SCALE : 20.00 sf / in.

N

PROPOSED ELECTRIC SERVICE METER BREAKER PEDESTAL

PROPOSED ELECTRIC CABINET REFER TO ELECTRICAL DETAILS. (120/240, 1Φ, 3W, 150A)

EXIST ROW

EXIST ROW

193B+00

194B+00

195B+00

℄ BLUEMOUND ROAD

BLUEMOUND ROAD

EXIST ROW

PL

68TH STREET

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- HDPE CONDUIT
- CONDUIT SPECIAL 3", UNLESS OTHERWISE NOTED
- JUNCTION BOX
- CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
- LANDING AREA
- WISDOT LIGHT POLE ASSEMBLY
- DECORATIVE STREET LIGHT ASSEMBLY
- DECORATIVE SINGLE PEDESTRIAN STREET LIGHT ASSEMBLY
- DECORATIVE PEDESTRIAN STREET LIGHT ASSEMBLY
- CITY STANDARD LIGHT POLE ASSEMBLY
- CONCRETE DIRECT BURIAL LIGHT POLE ASSMELBY
- ELECTRIC SERVICE METER BREAKER PEDESTAL

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 11: BLUEMOUND ROAD AT 68TH STREET WB	ELECTRICAL - PROPOSED	SHEET E

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\AECOM\Sheets\023610_3_e_68TH_WB.dgn PLOT DATE : 7/31/2019 PLOT BY : tkachukt PLOT NAME : PLOT SCALE : 20.00 sf / in.

WISDOT/CADDS SHEET 42

N

67TH STREET

EXIST ROW

EXIST ROW

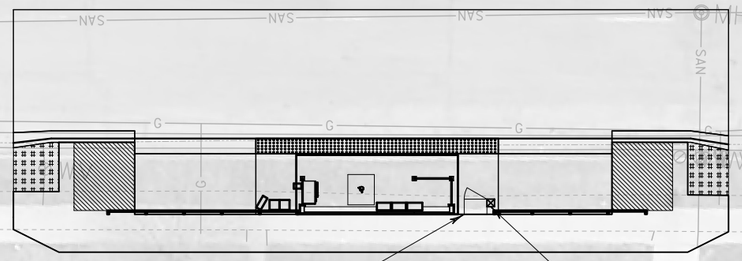
℄ BLUEMOUND ROAD

198B+00

199B+00

200B+00

BLUEMOUND ROAD



PROPOSED ELECTRIC CABINET
REFER TO ELECTRICAL DETAILS.
(120/240, 1ϕ, 3W, 150A)

PROPOSED ELECTRIC SERVICE
METER BREAKER PEDESTAL

EXIST ROW

EXIST ROW

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- HDPE CONDUIT
- CONDUIT SPECIAL 3", UNLESS OTHERWISE NOTED
- JUNCTION BOX
- CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
- LANDING AREA
- WISDOT LIGHT POLE ASSEMBLY
- DECORATIVE STREET LIGHT ASSEMBLY
- DECORATIVE SINGLE PEDESTRIAN STREET LIGHT ASSEMBLY
- DECORATIVE PEDESTRIAN STREET LIGHT ASSEMBLY
- CITY STANDARD LIGHT POLE ASSEMBLY
- CONCRETE DIRECT BURIAL LIGHT POLE ASSMELBY
- ELECTRIC SERVICE METER BREAKER PEDESTAL

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 10: BLUEMOUND ROAD AT 68TH STREET EB	ELECTRICAL - PROPOSED	SHEET E

PRE_154

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\AECOM\Sheets\023611_2_e_68TH_EB.dgn PLOT DATE : 7/30/2019 PLOT BY : tkachukt PLOT NAME : PLOT SCALE : 20.00 sf / in.

PROPOSED ELECTRICAL CABINET
REFER TO ELECTRICAL DETAILS
(120/240V, 1Φ, 3W, 150A)

PROPOSED ELECTRIC SERVICE
METER BREAKER PEDESTAL

TLE

EXIST ROW

EXIST ROW

EXIST ROW

HAWLEY ROAD

107H+00

108H+00

109H+00

℄ HAWLEY ROAD

EXIST ROW

TLE

PROPOSED ELECTRICAL CABINET
REFER TO ELECTRICAL DETAILS
(120/240V, 1Φ, 3W, 150A)

PROPOSED ELECTRIC SERVICE
METER BREAKER PEDESTAL

EXIST ROW

EXIST ROW

EXIST ROW

MICHIGAN STREET

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- HDPE CONDUIT
- CONDUIT SPECIAL 3", UNLESS OTHERWISE NOTED
- JUNCTION BOX
- CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
- LANDING AREA
- WISDOT LIGHT POLE ASSEMBLY
- DECORATIVE STREET LIGHT ASSEMBLY
- DECORATIVE SINGLE PEDESTRIAN STREET LIGHT ASSEMBLY
- DECORATIVE PEDESTRIAN STREET LIGHT ASSEMBLY
- CITY STANDARD LIGHT POLE ASSEMBLY
- CONCRETE DIRECT BURIAL LIGHT POLE ASSMELBY
- ELECTRIC SERVICE METER BREAKER PEDESTAL

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 12 & 13: HAWLEY ROAD AT MICHIGAN STREET NB & SB	ELECTRICAL - PROPOSED	SHEET E

PRE_155

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- HDPE CONDUIT
- CONDUIT SPECIAL 3", UNLESS OTHERWISE NOTED
- JUNCTION BOX
- CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
- LANDING AREA
- WISDOT LIGHT POLE ASSEMBLY
- DECORATIVE STREET LIGHT ASSEMBLY
- DECORATIVE SINGLE PEDESTRIAN STREET LIGHT ASSEMBLY
- DECORATIVE PEDESTRIAN STREET LIGHT ASSEMBLY
- CITY STANDARD LIGHT POLE ASSEMBLY
- CONCRETE DIRECT BURIAL LIGHT POLE ASSMELBY
- ELECTRIC SERVICE METER BREAKER PEDESTAL

N

53RD STREET

EXIST ROW

PROPOSED ELECTRIC SERVICE METER BREAKER PEDESTAL

PROPOSED ELECTRICAL CABINET REFER TO ELECTRICAL DETAILS (120/240V, 1ϕ, 3W, 150A)

EXIST ROW

112WB

113WB

114WB

℄ WISCONSIN AVENUE

WISCONSIN AVENUE

EXIST ROW

PROPOSED ELECTRICAL CABINET REFER TO ELECTRICAL DETAILS (120/240V, 1ϕ, 3W, 150A)

PROPOSED ELECTRIC SERVICE METER BREAKER PEDESTAL

EXIST ROW

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 14 & 15: WISCONSIN AVENUE AT 53RD STREET WB & EB	ELECTRICAL - PROPOSED	SHEET E

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\AECOM\Sheets\023614_2_e_53RD_EB_WB.dgrPLOT DATE : 7/31/2019 PLOT BY : tkachukt PLOT NAME : PLOT SCALE : 20.00 sf / in.

WISDOT/CADDS SHEET 42

N

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- HDPE CONDUIT
- CONDUIT SPECIAL 3", UNLESS OTHERWISE NOTED
- JUNCTION BOX
- CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
- LANDING AREA
- WISDOT LIGHT POLE ASSEMBLY
- DECORATIVE STREET LIGHT ASSEMBLY
- DECORATIVE SINGLE PEDESTRIAN STREET LIGHT ASSEMBLY
- DECORATIVE PEDESTRIAN STREET LIGHT ASSEMBLY
- CITY STANDARD LIGHT POLE ASSEMBLY
- CONCRETE DIRECT BURIAL LIGHT POLE ASSMELBY
- ELECTRIC SERVICE METER BREAKER PEDESTAL

PROPOSED ELECTRICAL CABINET
REFER TO ELECTRICAL DETAILS
(120/240V, 1ϕ, 3W, 150A)

PROPOSED ELECTRIC SERVICE
METER BREAKER PEDESTAL

EXIST ROW

EXIST ROW

EXIST ROW

WISCONSIN AVENUE

140WB

141WB

142WB

℄ WISCONSIN AVENUE

PROPOSED ELECTRICAL CABINET
REFER TO ELECTRICAL DETAILS
(120/240V, 1ϕ, 3W, 150A)

PROPOSED ELECTRIC SERVICE
METER BREAKER PEDESTAL

45TH STREET

EXIST ROW

EXIST ROW

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 16 & 17: WISCONSIN AVENUE AT 45TH STREET WB & EB	ELECTRICAL - PROPOSED	SHEET E

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\AECOM\Sheets\023616_2_e_45TH_EB_WB.dgrPLOT DATE : 7/31/2019 PLOT BY : benjamin.giese PLOT NAME : PLOT SCALE : 20.00 sf / in.

N

PROPOSED ELECTRIC SERVICE METER BREAKER PEDESTAL

PROPOSED ELECTRICAL CABINET REFER TO ELECTRICAL DETAILS (120/240V, 1ϕ, 3W, 150A)

EXIST ROW

35TH STREET

WISCONSIN AVENUE

170WB 171WB 172WB 173WB

℄ WISCONSIN AVENUE

SEE STATION: WISCONSIN AVENUE AT 35TH STREET EB

EXIST ROW

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- HDPE CONDUIT
- CONDUIT SPECIAL 3", UNLESS OTHERWISE NOTED
- JUNCTION BOX
- CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
- LANDING AREA
- WISDOT LIGHT POLE ASSEMBLY
- DECORATIVE STREET LIGHT ASSEMBLY
- DECORATIVE SINGLE PEDESTRIAN STREET LIGHT ASSEMBLY
- DECORATIVE PEDESTRIAN STREET LIGHT ASSEMBLY
- CITY STANDARD LIGHT POLE ASSEMBLY
- CONCRETE DIRECT BURIAL LIGHT POLE ASSMELBY
- ELECTRIC SERVICE METER BREAKER PEDESTAL

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 18: WISCONSIN STREET AT 35TH STREET WB	ELECTRICAL - PROPOSED	SHEET E

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\AECOM\Sheets\023618_3_e_35TH_WB.dgn PLOT DATE : 7/30/2019 PLOT BY : tkachukt PLOT NAME : PLOT SCALE : 20.00 sf / in.

35TH STREET

EXIST ROW

N

WISCONSIN AVENUE

173WB

174WB

175WB

℄ WISCONSIN AVENUE

40'

EXIST ROW

EXIST ROW

EXIST ROW

EXIST ROW

PROPOSED ELECTRICAL CABINET
REFER TO ELECTRICAL DETAILS
(120/240V, 1ϕ, 3W, 150A)

PROPOSED ELECTRIC SERVICE
METER BREAKER PEDESTAL

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- HDPE CONDUIT
- CONDUIT SPECIAL 3", UNLESS OTHERWISE NOTED
- JUNCTION BOX
- CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
- LANDING AREA
- WISDOT LIGHT POLE ASSEMBLY
- DECORATIVE STREET LIGHT ASSEMBLY
- DECORATIVE SINGLE PEDESTRIAN STREET LIGHT ASSEMBLY
- DECORATIVE PEDESTRIAN STREET LIGHT ASSEMBLY
- CITY STANDARD LIGHT POLE ASSEMBLY
- CONCRETE DIRECT BURIAL LIGHT POLE ASSMELBY
- ELECTRIC SERVICE METER BREAKER PEDESTAL

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 19: WISCONSIN STREET AT 35TH STREET EB	ELECTRICAL - PROPOSED	SHEET E

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\AECOM\Sheets\023619_3_e_35TH_EB.dgn PLOT DATE : 7/30/2019 PLOT BY : tkachukt PLOT NAME : PLOT SCALE : 20.00 sf / in.

N

EXIST ROW

PROPOSED ELECTRIC SERVICE METER BREAKER PEDESTAL

PROPOSED ELECTRICAL CABINET REFER TO ELECTRICAL DETAILS (120/240V, 1ϕ, 3W, 150A)

EXIST ROW

27TH STREET

30'

197WB

198WB

199WB

℄ WISCONSIN AVENUE

SEE STATION: WISCONSIN AVENUE AT 27TH STREET EB

EXIST ROW

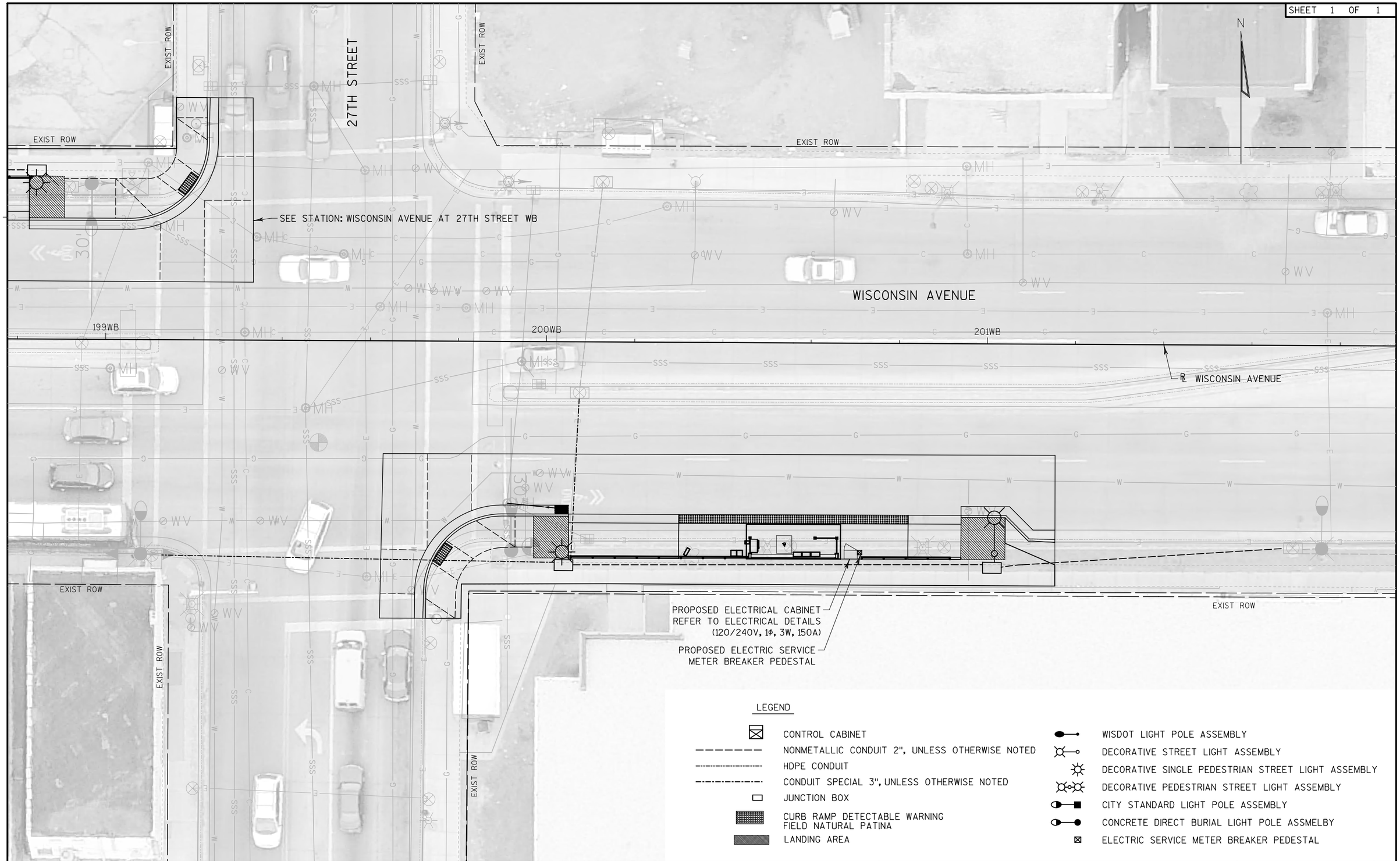
EXIST ROW

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- HDPE CONDUIT
- CONDUIT SPECIAL 3", UNLESS OTHERWISE NOTED
- JUNCTION BOX
- CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
- LANDING AREA
- WISDOT LIGHT POLE ASSEMBLY
- DECORATIVE STREET LIGHT ASSEMBLY
- DECORATIVE SINGLE PEDESTRIAN STREET LIGHT ASSEMBLY
- DECORATIVE PEDESTRIAN STREET LIGHT ASSEMBLY
- CITY STANDARD LIGHT POLE ASSEMBLY
- CONCRETE DIRECT BURIAL LIGHT POLE ASSMELBY
- ELECTRIC SERVICE METER BREAKER PEDESTAL

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 20: WISCONSIN AVENUE AT 27TH STREET WB	ELECTRICAL - PROPOSED	SHEET E

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\AECOM\Sheets\023620_3_e_27TH_WB.dgn PLOT DATE : 7/30/2019 PLOT BY : benjamin.giese PLOT NAME : PLOT SCALE : 20.00 sf / in.



LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- HDPE CONDUIT
- CONDUIT SPECIAL 3", UNLESS OTHERWISE NOTED
- JUNCTION BOX
- CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
- LANDING AREA
- WISDOT LIGHT POLE ASSEMBLY
- DECORATIVE STREET LIGHT ASSEMBLY
- DECORATIVE SINGLE PEDESTRIAN STREET LIGHT ASSEMBLY
- DECORATIVE PEDESTRIAN STREET LIGHT ASSEMBLY
- CITY STANDARD LIGHT POLE ASSEMBLY
- CONCRETE DIRECT BURIAL LIGHT POLE ASSMELBY
- ELECTRIC SERVICE METER BREAKER PEDESTAL

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 21: WISCONSIN AVENUE AT 27TH STREET EB	ELECTRICAL - PROPOSED	SHEET E

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\AECOM\Sheets\023621_3_e_27TH_EB.dgn PLOT DATE : 7/30/2019 PLOT BY : benjamin.giese PLOT NAME : PLOT SCALE : 20.00 sf / in.
WISDOT/CADDS SHEET 42

N

16TH STREET

EXIST ROW

EXIST ROW

EXIST ROW

PROPOSED ELECTRIC SERVICE METER BREAKER PEDESTAL

PROPOSED ELECTRICAL CABINET REFER TO ELECTRICAL DETAILS (120/240V, 1Φ, 3W, 150A)

+97.77
18.47LT

239WB

240WB

241WB

R WISCONSIN AVENUE

WISCONSIN AVENUE

PROPOSED ELECTRICAL CABINET REFER TO ELECTRICAL DETAILS (120/240V, 1Φ, 3W, 150A)

PROPOSED ELECTRIC SERVICE METER BREAKER PEDESTAL

EXIST ROW

EXIST ROW

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- HDPE CONDUIT
- CONDUIT SPECIAL 3", UNLESS OTHERWISE NOTED
- JUNCTION BOX
- CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
- LANDING AREA
- WISDOT LIGHT POLE ASSEMBLY
- DECORATIVE STREET LIGHT ASSEMBLY
- DECORATIVE SINGLE PEDESTRIAN STREET LIGHT ASSEMBLY
- DECORATIVE PEDESTRIAN STREET LIGHT ASSEMBLY
- CITY STANDARD LIGHT POLE ASSEMBLY
- CONCRETE DIRECT BURIAL LIGHT POLE ASSMELBY
- ELECTRIC SERVICE METER BREAKER PEDESTAL

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 22 & 23: WISCONSIN AVENUE AT 16TH STREET WB & EB	ELECTRICAL - PROPOSED	SHEET E

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\AECOM\Sheets\023622_3_e_16TH_EB_WB.dgrPLOT DATE : 7/30/2019 PLOT BY : benjamin.giese PLOT NAME : PLOT SCALE : 20.00 sf / in.

12TH STREET

PROPOSED ELECTRIC SERVICE
METER BREAKER PEDESTAL

PROPOSED ELECTRICAL CABINET
REFER TO ELECTRICAL DETAILS
(120/240V, 1ϕ, 3W, 150A)

EXIST ROW

252WB

253WB

254WB

℄ WISCONSIN AVENUE

WISCONSIN AVENUE

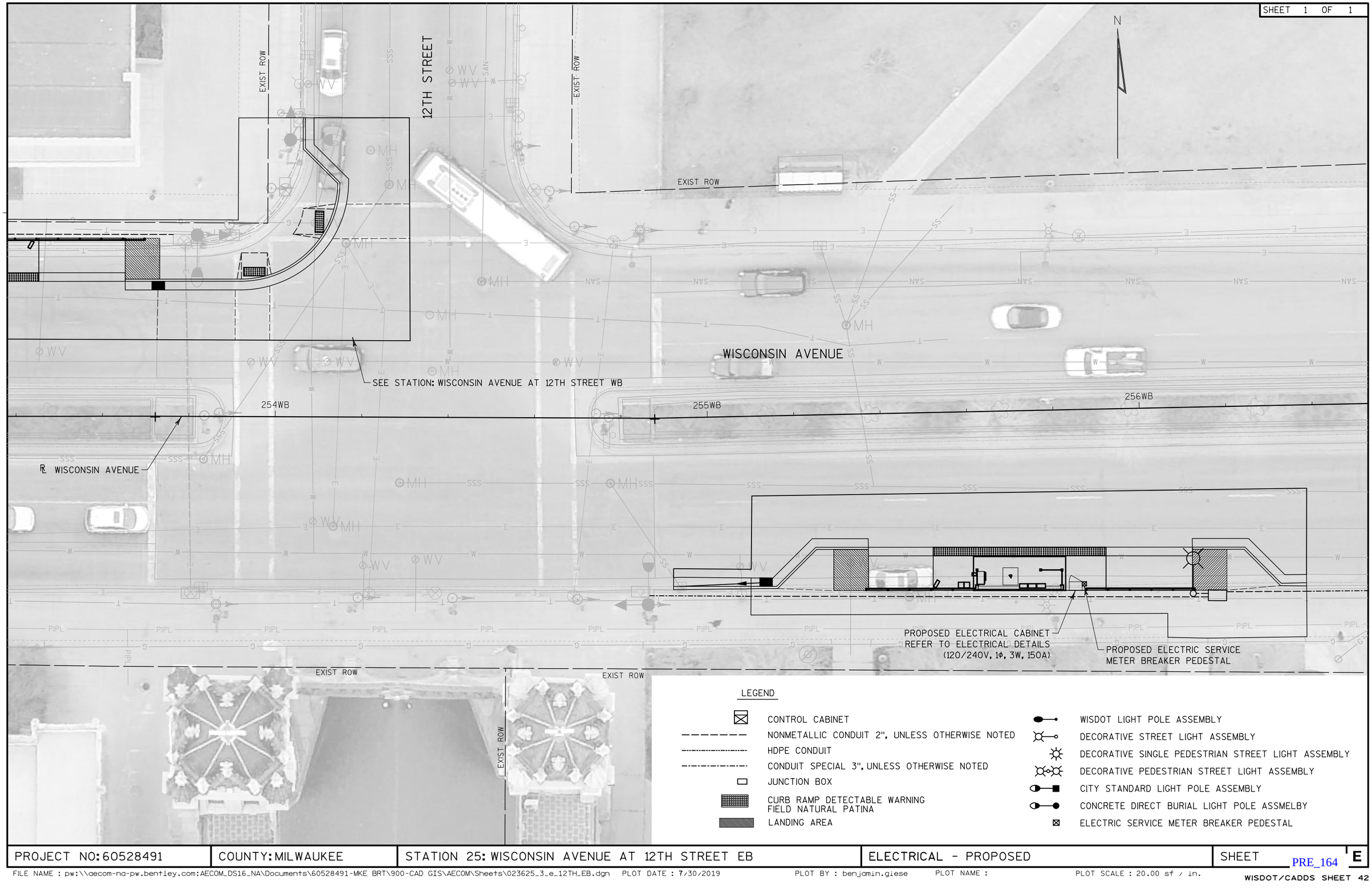
EXIST ROW

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- HDPE CONDUIT
- CONDUIT SPECIAL 3", UNLESS OTHERWISE NOTED
- JUNCTION BOX
- CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
- LANDING AREA
- WISDOT LIGHT POLE ASSEMBLY
- DECORATIVE STREET LIGHT ASSEMBLY
- DECORATIVE SINGLE PEDESTRIAN STREET LIGHT ASSEMBLY
- DECORATIVE PEDESTRIAN STREET LIGHT ASSEMBLY
- CITY STANDARD LIGHT POLE ASSEMBLY
- CONCRETE DIRECT BURIAL LIGHT POLE ASSMELBY
- ELECTRIC SERVICE METER BREAKER PEDESTAL

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 24: WISCONSIN AVENUE AT 12TH STREET WB	ELECTRICAL - PROPOSED	SHEET E

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\AECOM\Sheets\023624_3_e_12TH_WB.dgn PLOT DATE : 7/30/2019 PLOT BY : benjamin.giese PLOT NAME : PLOT SCALE : 20.00 sf / in.



LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- HDPE CONDUIT
- CONDUIT SPECIAL 3", UNLESS OTHERWISE NOTED
- JUNCTION BOX
- CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
- LANDING AREA
- WISDOT LIGHT POLE ASSEMBLY
- DECORATIVE STREET LIGHT ASSEMBLY
- DECORATIVE SINGLE PEDESTRIAN STREET LIGHT ASSEMBLY
- DECORATIVE PEDESTRIAN STREET LIGHT ASSEMBLY
- CITY STANDARD LIGHT POLE ASSEMBLY
- CONCRETE DIRECT BURIAL LIGHT POLE ASSMELBY
- ELECTRIC SERVICE METER BREAKER PEDESTAL

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 25: WISCONSIN AVENUE AT 12TH STREET EB	ELECTRICAL - PROPOSED	SHEET E

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\AECOM\Sheets\023625_3_e_12TH_EB.dgn PLOT DATE : 7/30/2019 PLOT BY : benjamin.giese PLOT NAME : PLOT SCALE : 20.00 sf / in.

N

9TH STREET

SEE STATION 27: WISCONSIN AVENUE AT 9TH STREET WB

263WB

264WB

265WB

℄ WISCONSIN AVENUE

WISCONSIN AVENUE

EXIST ROW

PROPOSED ELECTRICAL CABINET
REFER TO ELECTRICAL DETAILS
(120/240V, 1ϕ, 3W, 150A)

PROPOSED ELECTRIC SERVICE
METER BREAKER PEDESTAL

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- HDPE CONDUIT
- CONDUIT SPECIAL 3", UNLESS OTHERWISE NOTED
- JUNCTION BOX
- CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
- LANDING AREA
- WISDOT LIGHT POLE ASSEMBLY
- DECORATIVE STREET LIGHT ASSEMBLY
- DECORATIVE SINGLE PEDESTRIAN STREET LIGHT ASSEMBLY
- DECORATIVE PEDESTRIAN STREET LIGHT ASSEMBLY
- CITY STANDARD LIGHT POLE ASSEMBLY
- CONCRETE DIRECT BURIAL LIGHT POLE ASSMELBY
- ELECTRIC SERVICE METER BREAKER PEDESTAL

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 26: WISCONSIN AVENUE AT 9TH STREET EB	ELECTRICAL - PROPOSED	SHEET E

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\AECOM\Sheets\023626_1_e_9TH_EB.dgn PLOT DATE : 7/30/2019 PLOT BY : benjamin.giese PLOT NAME : PLOT SCALE : 20.00 sf / in.

N

EXIST ROW

9TH STREET

EXIST ROW

PROPOSED ELECTRIC SERVICE
METER BREAKER PEDESTAL

PROPOSED ELECTRICAL CABINET
REFER TO ELECTRICAL DETAILS
(120/240V, 1ϕ, 3W, 150A)

EXIST ROW

WISCONSIN AVENUE

+32.43
32.46LT

265WB

266WB

267WB

℄ WISCONSIN AVENUE

SEE STATION: WISCONSIN AVENUE AT 9TH STREET EB

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- HDPE CONDUIT
- CONDUIT SPECIAL 3", UNLESS OTHERWISE NOTED
- JUNCTION BOX
- CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
- LANDING AREA
- WISDOT LIGHT POLE ASSEMBLY
- DECORATIVE STREET LIGHT ASSEMBLY
- DECORATIVE SINGLE PEDESTRIAN STREET LIGHT ASSEMBLY
- DECORATIVE PEDESTRIAN STREET LIGHT ASSEMBLY
- CITY STANDARD LIGHT POLE ASSEMBLY
- CONCRETE DIRECT BURIAL LIGHT POLE ASSMELBY
- ELECTRIC SERVICE METER BREAKER PEDESTAL

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 27: WISCONSIN AVENUE AT 9TH STREET WB	ELECTRICAL - PROPOSED	SHEET E

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\AECOM\Sheets\023627_3_e_9TH_WB.dgn PLOT DATE : 7/30/2019 PLOT BY : benjamin.giese PLOT NAME : PLOT SCALE : 20.00 sf / in.

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- HDPE CONDUIT
- CONDUIT SPECIAL 3", UNLESS OTHERWISE NOTED
- JUNCTION BOX
- CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
- LANDING AREA
- WISDOT LIGHT POLE ASSEMBLY
- DECORATIVE STREET LIGHT ASSEMBLY
- DECORATIVE SINGLE PEDESTRIAN STREET LIGHT ASSEMBLY
- DECORATIVE PEDESTRIAN STREET LIGHT ASSEMBLY
- CITY STANDARD LIGHT POLE ASSEMBLY
- CONCRETE DIRECT BURIAL LIGHT POLE ASSMELBY
- ELECTRIC SERVICE METER BREAKER PEDESTAL

PROPOSED ELECTRICAL CABINET
REFER TO ELECTRICAL DETAILS
(120/240V, 1ϕ, 3W, 150A)

PROPOSED ELECTRIC SERVICE
METER BREAKER PEDESTAL

PROPOSED ELECTRICAL CABINET
REFER TO ELECTRICAL DETAILS
(120/240V, 1ϕ, 3W, 150A)

PROPOSED ELECTRIC SERVICE
METER BREAKER PEDESTAL

WATER STREET

EXIST ROW

WISCONSIN AVENUE

℄ WISCONSIN AVENUE

301WB

302WB

303WB

N

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 30 & 31: WISCONSIN AVENUE AT WATER STREET WB EB	ELECTRICAL - PROPOSED	SHEET E

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\AECOM\Sheets\023630_3_e_WATER_WB_EB.dgn PLOT DATE : 7/30/2019 PLOT BY : benjamin.giese PLOT NAME : PLOT SCALE : 20.00 sf / in.

N

JACKSON STREET

EXIST ROW

EXIST ROW

EXIST ROW

EXIST ROW

EXIST ROW

PROPOSED ELECTRICAL CABINET
REFER TO ELECTRICAL DETAILS
(120/240V, 1ø, 3W, 150A)

PROPOSED ELECTRIC SERVICE
METER BREAKER PEDESTAL

WISCONSIN AVENUE

316WB

317WB

318WB

℄ WISCONSIN AVENUE

SEE STATION: WISCONSIN AVENUE AT VAN BUREN STREET EB

EXIST ROW

LEGEND

CONTROL CABINET	WISDOT LIGHT POLE ASSEMBLY
NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED	DECORATIVE STREET LIGHT ASSEMBLY
HDPE CONDUIT	DECORATIVE SINGLE PEDESTRIAN STREET LIGHT ASSEMBLY
CONDUIT SPECIAL 3", UNLESS OTHERWISE NOTED	DECORATIVE PEDESTRIAN STREET LIGHT ASSEMBLY
JUNCTION BOX	CITY STANDARD LIGHT POLE ASSEMBLY
CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA	CONCRETE DIRECT BURIAL LIGHT POLE ASSMELBY
LANDING AREA	ELECTRIC SERVICE METER BREAKER PEDESTAL

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 32: WISCONSIN AVENUE AT JACKSON STREET WB	ELECTRICAL - PROPOSED	SHEET E

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\AECOM\Sheets\023632_3_e_Van Buren_WB.dgn PLOT DATE : 7/31/2019 PLOT BY : tkachukt PLOT NAME : PLOT SCALE : 20.00 sf / in.

N

EXIST ROW

VAN BUREN STREET

EXIST ROW

EXIST ROW

WISCONSIN AVENUE

318WB 319WB 320WB 321WB

℄ WISCONSIN AVENUE

PROPOSED ELECTRICAL CABINET
REFER TO ELECTRICAL DETAILS
(120/240V, 1φ, 3W, 150A)

PROPOSED ELECTRIC SERVICE
METER BREAKER PEDESTAL

EXIST ROW

EXIST ROW

EXIST ROW

EXIST ROW

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- HDPE CONDUIT
- CONDUIT SPECIAL 3", UNLESS OTHERWISE NOTED
- JUNCTION BOX
- CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
- LANDING AREA
- WISDOT LIGHT POLE ASSEMBLY
- DECORATIVE STREET LIGHT ASSEMBLY
- DECORATIVE SINGLE PEDESTRIAN STREET LIGHT ASSEMBLY
- DECORATIVE PEDESTRIAN STREET LIGHT ASSEMBLY
- CITY STANDARD LIGHT POLE ASSEMBLY
- CONCRETE DIRECT BURIAL LIGHT POLE ASSMELBY
- ELECTRIC SERVICE METER BREAKER PEDESTAL

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 33: WISCONSIN AVENUE AT VAN BUREN STREET EB	ELECTRICAL - PROPOSED	SHEET E

PRE_169

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\AECOM\Sheets\023633_3_e_VanBuren_EB.dgn PLOT DATE : 7/30/2019 PLOT BY : benjamin.giese PLOT NAME : PLOT SCALE : 20.00 sf / in.

2

N

IH 41

N. SWAN BOULEVARD

DISCOVERY PARKWAY

WATERTOWN PLANK ROAD

WIS 100

92ND STREET

CONNELL AVENUE

CITY OF WAUWATOSA

CITY OF WAUWATOSA

CITY OF WAUWATOSA

MILWAUKEE COUNTY FACILITIES

A

A

LEGEND

S40-XXXX — WISDOT OWNED TRAFFIC SIGNAL

MUNICIPALITY — MUNICIPAL OWNED TRAFFIC SIGNAL

1. ADD TSP EQUIPMENT
2. TRAFFIC SIGNAL INFRASTRUCTURE MODIFICATIONS
3. REVISE TRAFFIC SIGNAL TIMING/PHASING (BY OTHERS)

PROJECT NO: 60528491	COUNTY: MILWAUKEE	EAST-WEST BRT	TRAFFIC SIGNAL PROJECT OVERVIEW	SHEET E

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\HNTB\cds\024001_sp_po.dgn PLOT DATE : 7/29/2019 11:19:46 AM PLOT BY : jmatson PLOT NAME : PLOT SCALE : 1:500

2



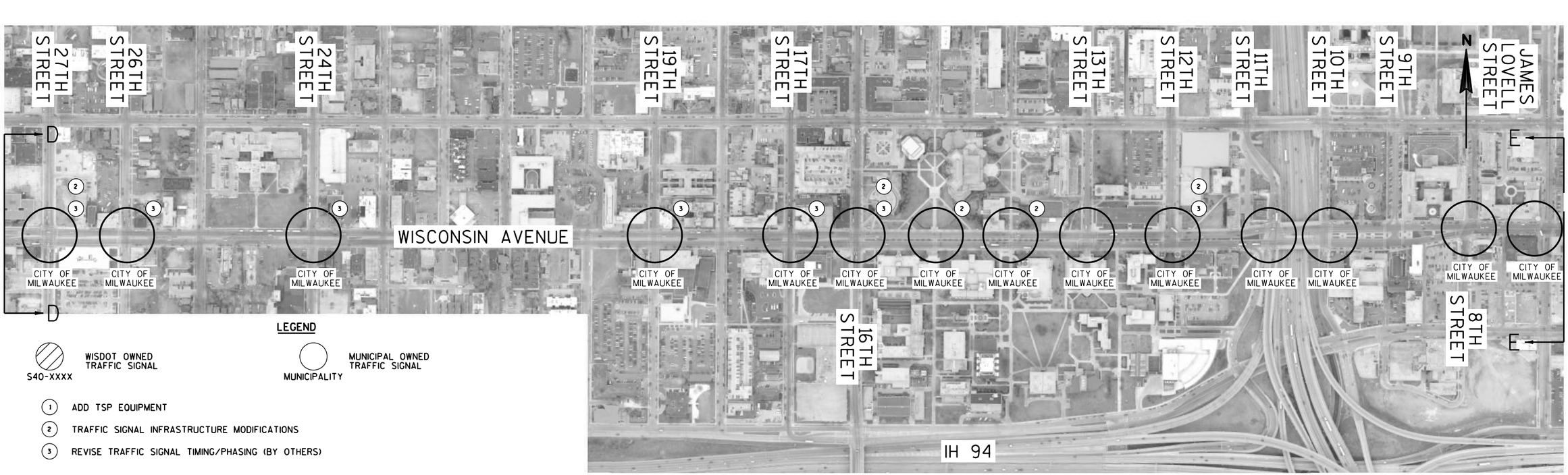


PROJECT NO: 60528491	COUNTY: MILWAUKEE	EAST-WEST BRT	TRAFFIC SIGNAL PROJECT OVERVIEW	SHEET E

PRE_171

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\HNTB\cds\024002_sp_po.dgn PLOT DATE : 7/29/2019 11:21:26 AM PLOT BY : jmatson PLOT NAME : PLOT SCALE : 1:500





LEGEND

S40-XXXX — WISDOT OWNED TRAFFIC SIGNAL

MUNICIPALITY — MUNICIPAL OWNED TRAFFIC SIGNAL

(1) ADD TSP EQUIPMENT

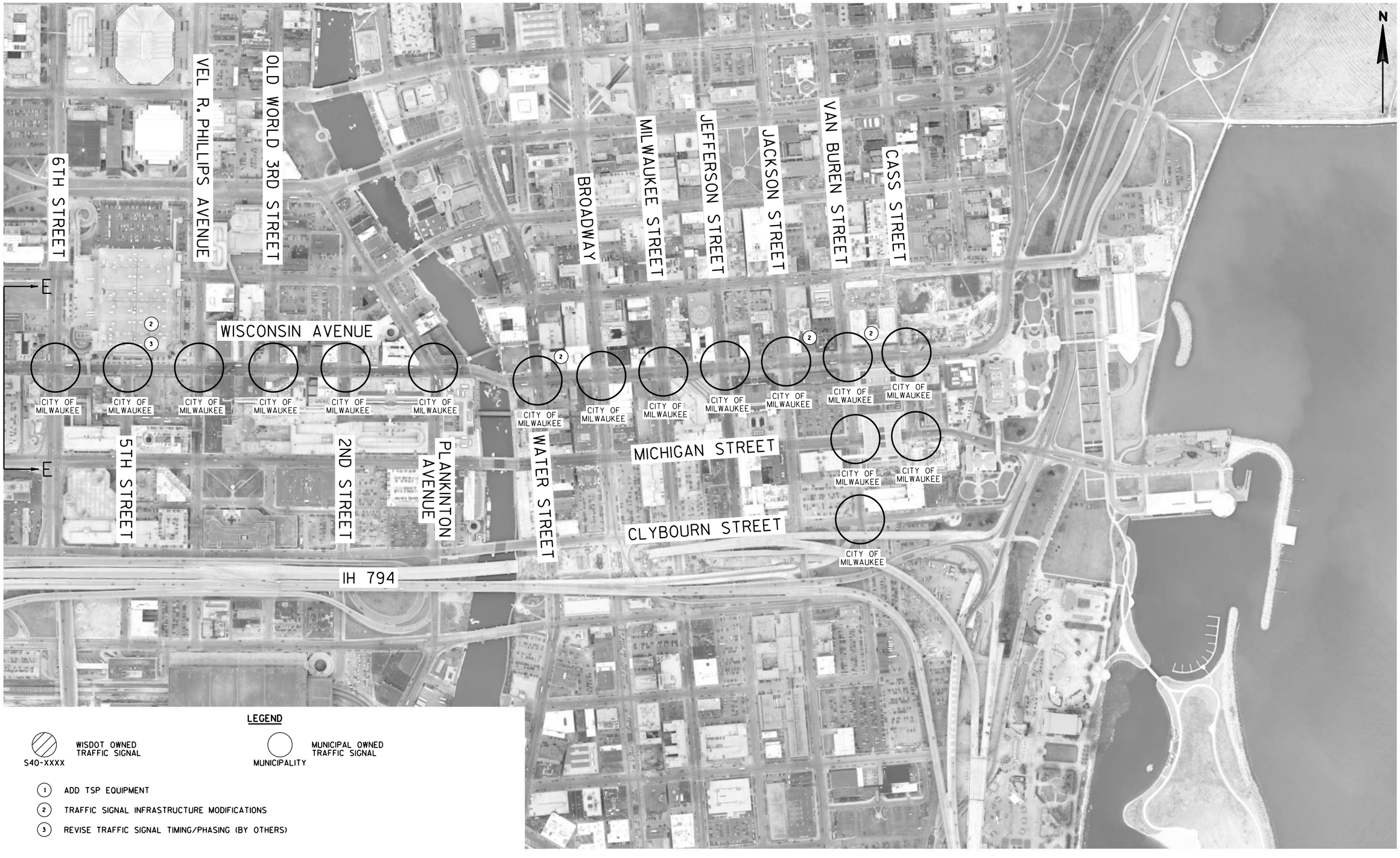
(2) TRAFFIC SIGNAL INFRASTRUCTURE MODIFICATIONS

(3) REVISE TRAFFIC SIGNAL TIMING/PHASING (BY OTHERS)

PROJECT NO: 60528491	COUNTY: MILWAUKEE	EAST-WEST BRT	TRAFFIC SIGNAL PROJECT OVERVIEW	SHEET E

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\HNTB\cds\024003_sp_po.dgn PLOT DATE : 7/29/2019 11:07:53 AM PLOT BY : jmatson PLOT NAME : PLOT SCALE : 1:500
WISDOT/CADDS SHEET 42

2



LEGEND

WISDOT OWNED TRAFFIC SIGNAL
S40-XXXX

MUNICIPAL OWNED TRAFFIC SIGNAL
MUNICIPALITY

1. ADD TSP EQUIPMENT
2. TRAFFIC SIGNAL INFRASTRUCTURE MODIFICATIONS
3. REVISE TRAFFIC SIGNAL TIMING/PHASING (BY OTHERS)

PROJECT NO: 60528491	COUNTY: MILWAUKEE	EAST-WEST BRT	TRAFFIC SIGNAL PROJECT OVERVIEW	SHEET E

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\HNTB\cds\024004_sp_po.dgn PLOT DATE : 7/29/2019 11:09:53 AM PLOT BY : jmatson PLOT NAME : PLOT SCALE : 1:500

LEGEND

- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) MONOTUBE BASE, POLE, 15'-30' ARM
- (XX) MONOTUBE BASE, POLE, 35'-55' ARM
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- LUMINAIRE, UNDER PERMIT TO LOCAL MUNICIPALITY
- VX VIDEO DETECTION CAMERA
- MICROWAVE DETECTION AREA
- MX MICROWAVE DETECTOR
- PULL BOX, 24" X 42"
- PEDESTRIAN HEAD WITH PUSH BUTTON
- PUSH BUTTON
- EVP DESIGNATOR
- EVP DETECTOR HEAD
- CONFIRMATION LIGHT
- CONTROL CABINET
- TRAFFIC SIGNAL HEAD
- SIGNAL HEAD NUMBER
- EVP EMITTER
- SPREAD SPECTRUM RADIO ANTENNA
- GPS EVP DETECTOR HEAD

LEGEND (CON'T)

- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- R RED ARROW
- Y YELLOW ARROW
- G GREEN ARROW

NOTE: ALL LENSES ARE 12-INCH GRAYSHADE REPRESENTS EXISTING

N

POSTED SPEED LIMIT = 40MPH

SWAN BOULEVARD

ONLY

106S

105S

104S

ASPHALT

POSTED SPEED LIMIT=35 MPH

W. WATERTOWN PLANK ROAD

SALVAGED EVP EMITTER AND SPREAD SPECTRUM RADIO ANTENNA

104WP 105WP 106WP 107WP 108WP 109W

INNOVATION DRIVE

POSTED SPEED LIMIT = 25 MPH

CB1

1¼" FO I/C

EXCV32WEB

EXCV34WEB

FTMS FOC

CONSTRUCTION NOTES;

1. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
2. THE ENGINEER MAY ADJUST THE LOCATIONS OF ITEMS UNDER THIS CONTRACT TO AVOID CONFLICT WITH EXISTING UTILITY FACILITIES.
3. V1, V3, AND V4 ARE INSTALLED ON LUMINAIRE ARMS.
4. ADAPTIVE VIDEO DETECTION ZONES ARE NOT SHOWN FOR PLAN CLARITY. REFER TO INSYNC SOFTWARE FOR LOCATIONS OF VIDEO DETECTION ZONES.
5. TSP TO BE IMPLEMENTED FOR SOUTHBOUND TO EASTBOUND LEFT-TURN AND WESTBOUND TO NORTHBOUND RIGHT-TURN MOVEMENTS.

TRAFFIC CONTROL SIGNAL
W. WATERTOWN PLANK ROAD &
SWAN BOULEVARD/INNOVATION DRIVE
CITY OF WAUWATOSA
MILWAUKEE COUNTY

REGION CONTACT: DERRIN WOLFORD
CITY CONTACT: BILL WEHRLEY
DESIGNED BY: FORWARD 45
REVISED BY: HNTB

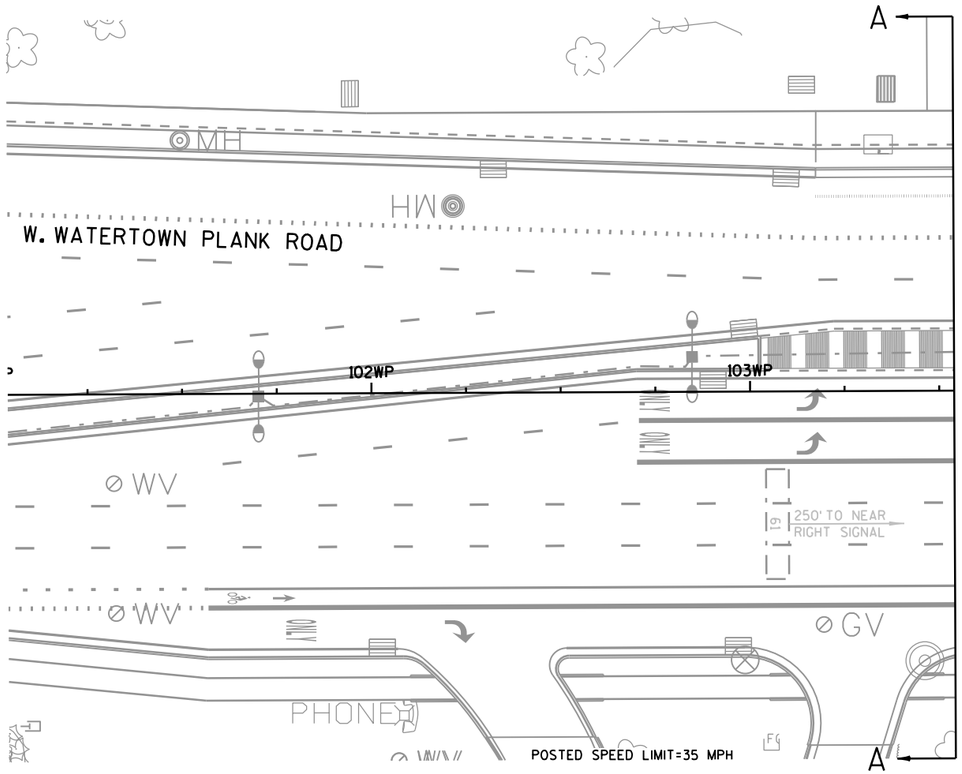
PAGE 1 OF 4

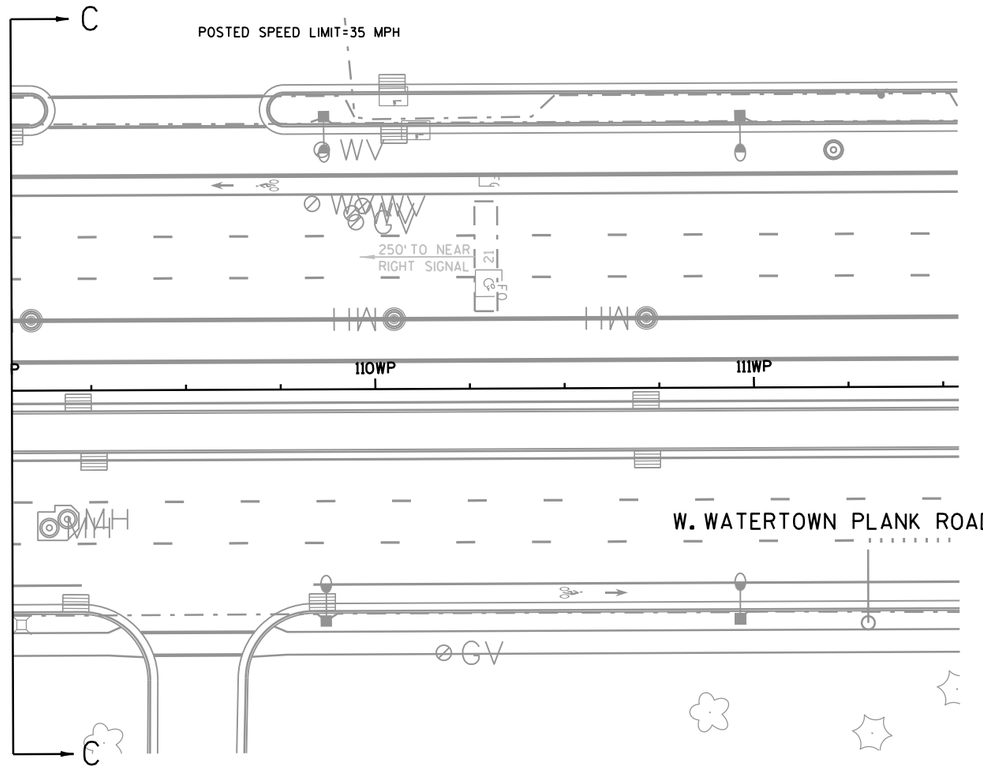
PROJECT NO: 60528491	COUNTY: MILWAUKEE	EAST-WEST BRT	TRAFFIC SIGNAL PLAN	SHEET E

PRE_174

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\HNTB\cds\024101_sp.dgn PLOT DATE : 7/29/2019 11:12:01 AM PLOT BY : jmatson PLOT NAME : PLOT SCALE : 1:40

WISDOT/CADDS SHEET 42





2

N

TRAFFIC CONTROL SIGNAL
W. WATERTOWN PLANK ROAD &
SWAN BOULEVARD/INNOVATION DRIVE
CITY OF WAUWATOSA
MILWAUKEE COUNTY

REGION CONTACT: DERRIN WOLFORD
CITY CONTACT: BILL WEHRLEY
DESIGNED BY: FORWARD 45
REVISED BY: HNTB

PAGE 2 OF 4

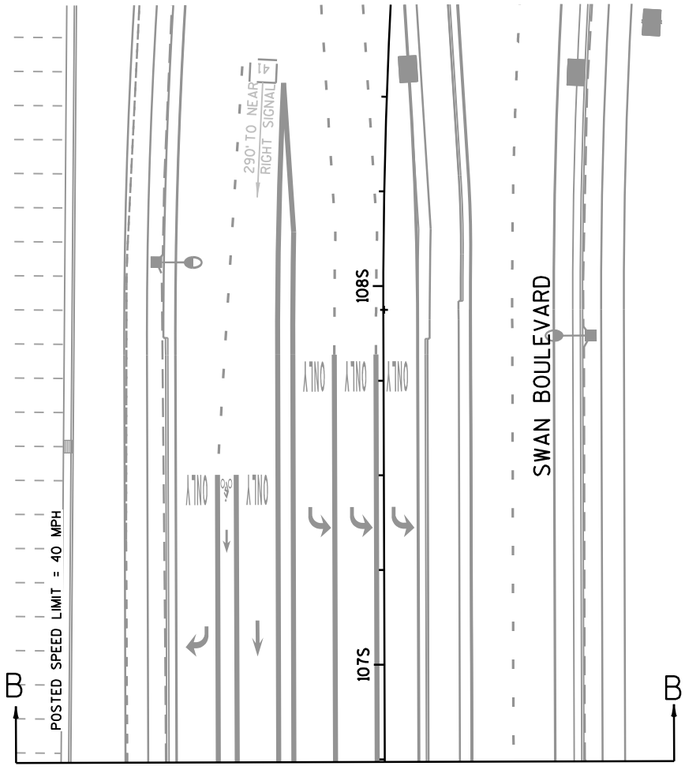
PROJECT NO: 60528491	COUNTY: MILWAUKEE	EAST-WEST BRT	TRAFFIC SIGNAL PLAN	SHEET E

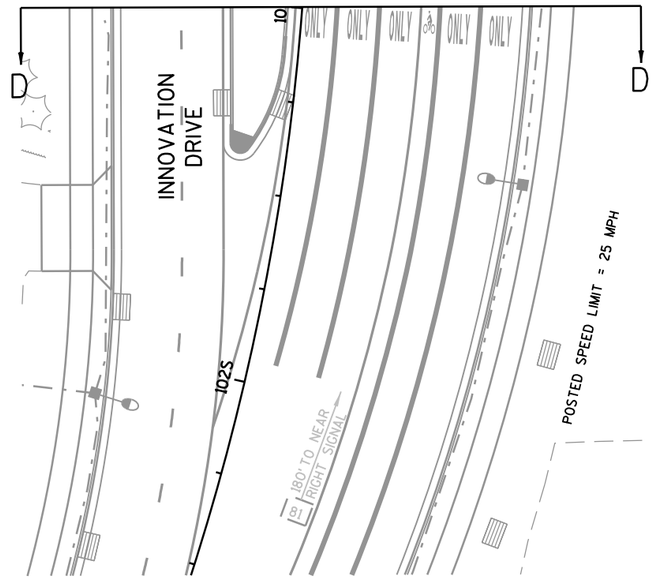
PRE_175

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\HNTB\cds\024101a_sp.dgn PLOT DATE : 7/29/2019 11:12:15 AM PLOT BY : jmatson PLOT NAME : PLOT SCALE : 1:40

WISDOT/CADDS SHEET 42

2





TRAFFIC CONTROL SIGNAL
W. WATERTOWN PLANK ROAD &
SWAN BOULEVARD/INNOVATION DRIVE
CITY OF WAUWATOSA
MILWAUKEE COUNTY

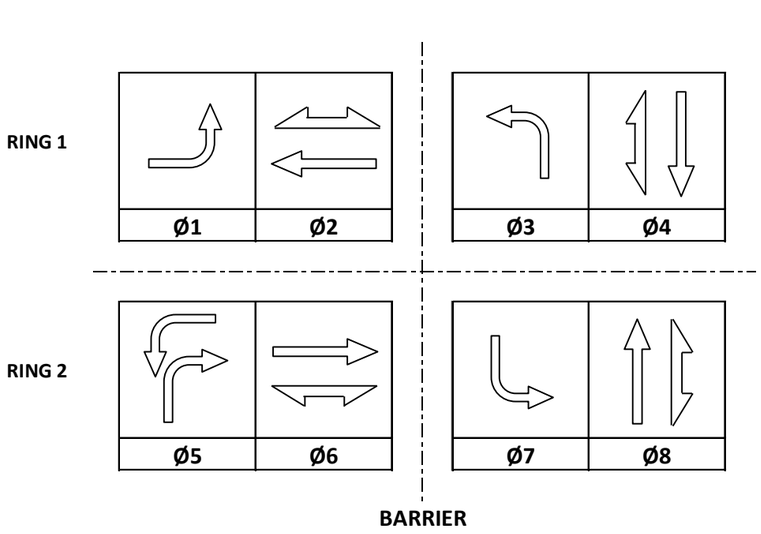
REGION CONTACT: DERRIN WOLFORD
CITY CONTACT: BILL WEHRLEY
DESIGNED BY: FORWARD 45
REVISED BY: HNTB

PAGE 3 OF 4

PROJECT NO: 60528491	COUNTY: MILWAUKEE	EAST-WEST BRT	TRAFFIC SIGNAL PLAN	SHEET E

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\HNTB\cds\024101b_sp.dgn PLOT DATE : 7/29/2019 11:12:29 AM PLOT BY : jmatson PLOT NAME : PLOT SCALE : 1:40

	HEAD NUMBERS	FLASH
Ø1	5,6,7	R ←
Ø2	8,9,10,11	R
Ø3	18,19,20	R ←
Ø4	21,22,23	R
Ø5	12,13,14,15,17	R,R ←
Ø6	1,2,3,4	R
Ø7	24,25,26,39	R ←
Ø8	15,16,17	R
Ø2P	31,32	
Ø4P	27,28,29,30	
Ø6P	37,38	
Ø8P	33,34,35,36	
OLA		
OLB		
OLC		
OLD		



CONTROLLER LOGIC

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

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	A	B	C	D
MOVEMENT	←	→	↓	↑
PHASE	2+5	6+1	4+7	8+3

AFTER PREEMPTION SEQUENCE 2+5 OR 6+1, CONTROLLER SHALL RETURN TO PHASES 2+6.
AFTER PREEMPTION SEQUENCE 4+7 OR 8+3, CONTROLLER SHALL RETURN TO PHASES 4+8.

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

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

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

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

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13	19	17	23	21	27	25	31	29	DETECTOR INPUT
PLAN LOOP DETECTOR*(S)	11	21	23	25	32	42	51	61	63	65	72	81	83				PLAN LOOP DETECTOR*(S)
ASSIGNED PHASE	1	2	2	2	3	4	5	6	6	6	7	8	8				ASSIGNED PHASE
OPERATION MODE	VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH				OPERATION MODE
SWITCH																	SWITCH
EXTEND						X						X					EXTEND
DELAY																	DELAY

DETECTOR INPUT	4	2	8	6	12	10	16	14	20	18	24	22	28	26	32	30	DETECTOR INPUT
PLAN LOOP DETECTOR*(S)	12	22	24	31	41	43	52	62	64	71	73	82					PLAN LOOP DETECTOR*(S)
ASSIGNED PHASE	1	2	2	3	4	4	5	6	6	7	7	8					ASSIGNED PHASE
OPERATION MODE	VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH					OPERATION MODE
SWITCH																	SWITCH
EXTEND					X												EXTEND
DELAY		X						X				X					DELAY

GENERAL NOTES:

1. INTERSECTION UTILIZES VIDEO DETECTION CAMERAS FOR INSYNC ADAPTIVE CONTROL. THESE CAMERAS ARE NOT INCLUDED IN THE DETECTOR LOGIC CHART. REFER TO INSYNC PROGRAMMING FOR DETAILS.
2. SEQUENCE OF OPERATION SHEET IS DERIVED FROM AS-DESIGNED PLANS. ALL INFORMATION REQUIRED FOR TSP IMPLEMENTATION SHOULD BE VERIFIED WITH CITY OF WAUWATOSA.

W. WATERTOWN PLANK RD & SWAN BLVD/INNOVATION DR
CITY OF WAUWATOSA
MILWAUKEE COUNTY

SIGNAL NO: CABINET TYPE: TS2-S
CONTROLLER TYPE: EPAC
DATE: 07/2019 PAGE NUMBER: 4 OF 4

FILE NAME: c:\pwworking\aecom_ds16_na\mat13518\d0335310\TS2-S_FYA_ABCD_EPAC_SEQ.xlsx PLOT DATE: 7/29/2019 PLOT NAME: TS2-S_FYA_ABCD_EPAC_S PLOT BY: _____ PLOT SCALE: 1:1

LEGEND

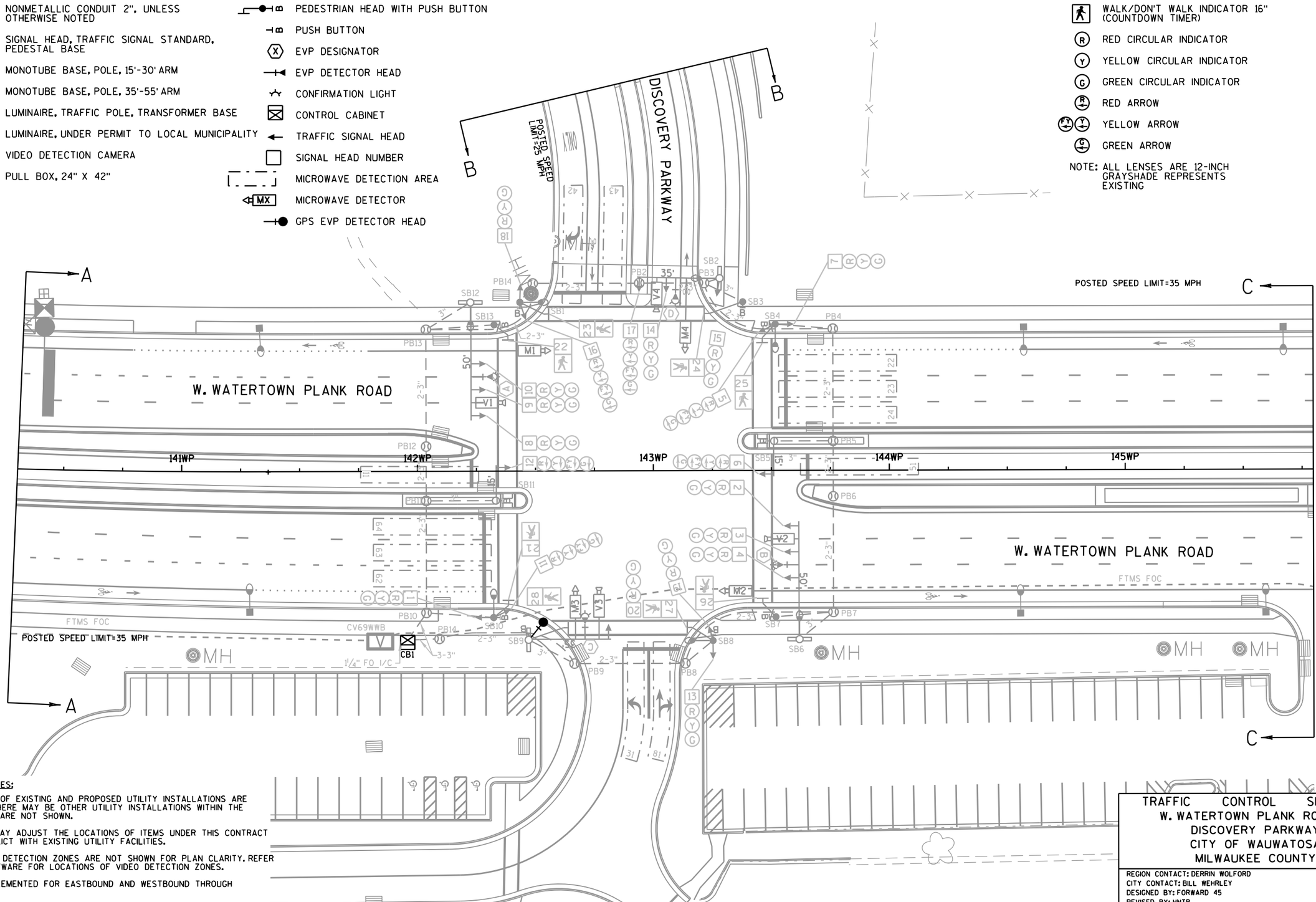
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) MONOTUBE BASE, POLE, 15'-30' ARM
- (XX) MONOTUBE BASE, POLE, 35'-55' ARM
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- LUMINAIRE, UNDER PERMIT TO LOCAL MUNICIPALITY
- VX VIDEO DETECTION CAMERA
- PULL BOX, 24" X 42"
- PEDESTRIAN HEAD WITH PUSH BUTTON
- PUSH BUTTON
- (X) EVP DESIGNATOR
- EVP DETECTOR HEAD
- CONFIRMATION LIGHT
- CONTROL CABINET
- TRAFFIC SIGNAL HEAD
- SIGNAL HEAD NUMBER
- MICROWAVE DETECTION AREA
- MX MICROWAVE DETECTOR
- GPS EVP DETECTOR HEAD

LEGEND (CON'T)

- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW

NOTE: ALL LENSES ARE 12-INCH GRAYSHADE REPRESENTS EXISTING

N



CONSTRUCTION NOTES;

1. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
2. THE ENGINEER MAY ADJUST THE LOCATIONS OF ITEMS UNDER THIS CONTRACT TO AVOID CONFLICT WITH EXISTING UTILITY FACILITIES.
3. ADAPTIVE VIDEO DETECTION ZONES ARE NOT SHOWN FOR PLAN CLARITY. REFER TO INSYNC SOFTWARE FOR LOCATIONS OF VIDEO DETECTION ZONES.
4. TSP TO BE IMPLEMENTED FOR EASTBOUND AND WESTBOUND THROUGH MOVEMENTS

TRAFFIC CONTROL SIGNAL
W. WATERTOWN PLANK ROAD &
DISCOVERY PARKWAY
CITY OF WAUWATOSA
MILWAUKEE COUNTY

REGION CONTACT: DERRIN WOLFORD
CITY CONTACT: BILL WEHRLEY
DESIGNED BY: FORWARD 45
REVISED BY: HNTB

PAGE 1 OF 4

PROJECT NO: 60528491	COUNTY: MILWAUKEE	EAST-WEST BRT	TRAFFIC SIGNAL PLAN	SHEET E

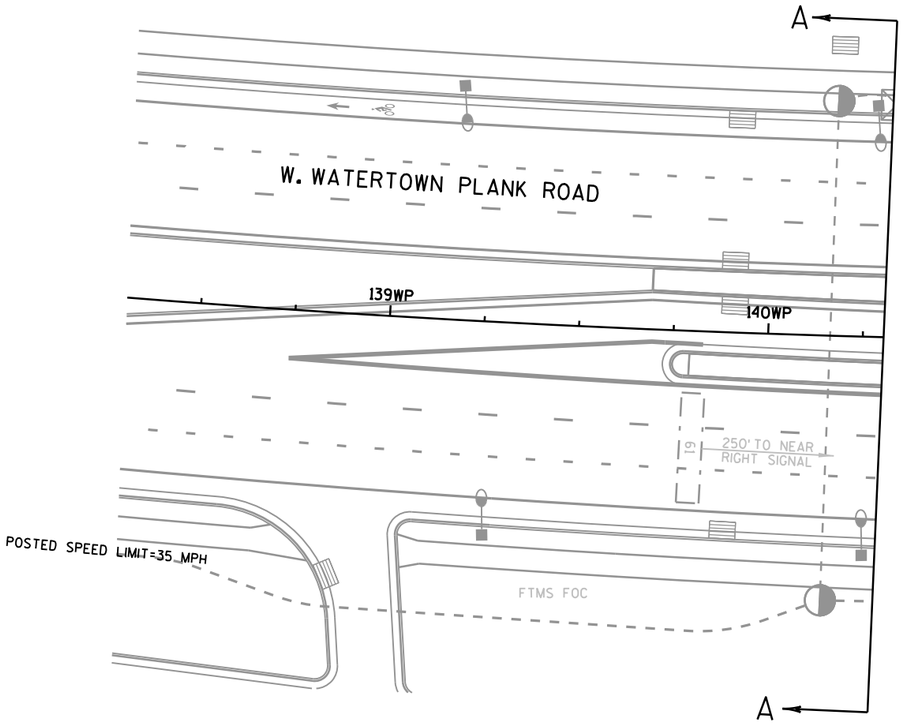
PRE_178

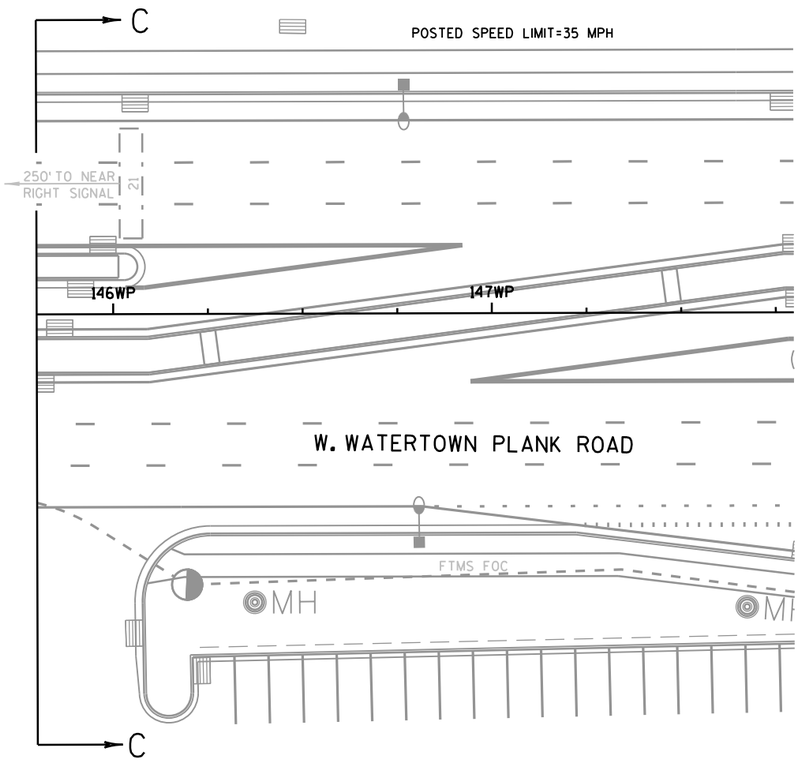
FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\HNTB\cds\024102_sp.dgn PLOT DATE : 7/29/2019 11:12:42 AM PLOT BY : jmatson PLOT NAME : PLOT SCALE : 1:40

WISDOT/CADDS SHEET 42

2

N





TRAFFIC CONTROL SIGNAL
W. WATERTOWN PLANK ROAD &
DISCOVERY PARKWAY
CITY OF WAUWATOSA
MILWAUKEE COUNTY

REGION CONTACT: DERRIN WOLFORD
CITY CONTACT: BILL WEHRLEY
DESIGNED BY: FORWARD 45
REVISED BY: HNTB

PAGE 2 OF 4

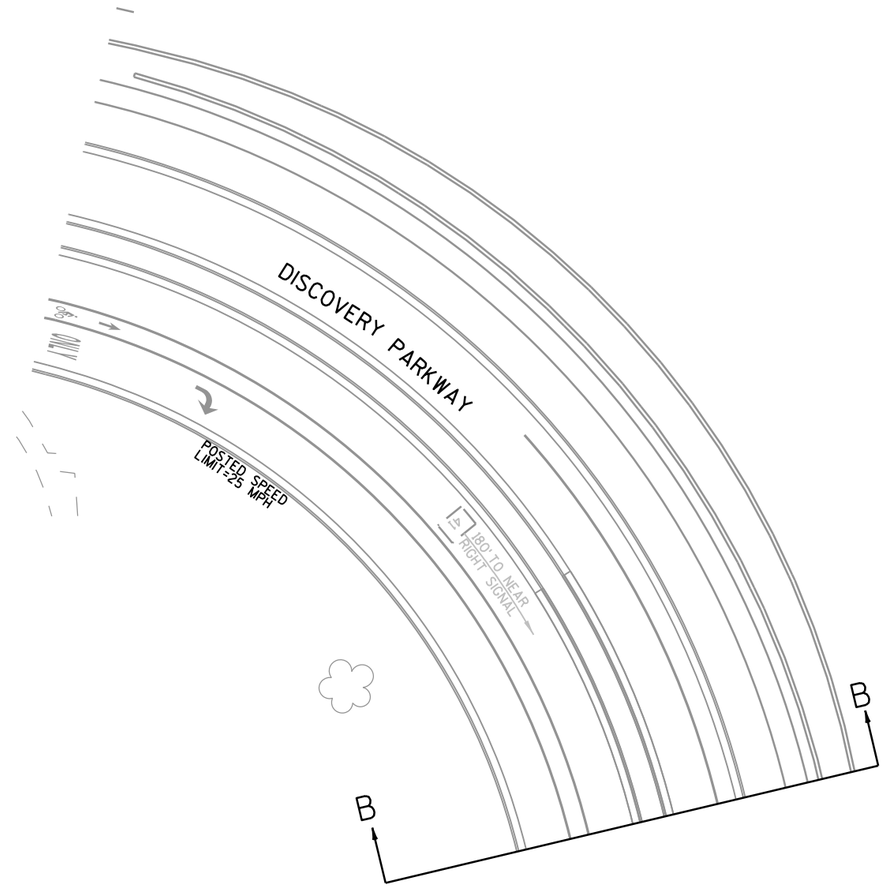
PROJECT NO: 60528491	COUNTY: MILWAUKEE	EAST-WEST BRT	TRAFFIC SIGNAL PLAN	SHEET E

PRE_179

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\HNTB\cds\024102a_sp.dgn PLOT DATE : 7/29/2019 11:12:56 AM PLOT BY : jmatson PLOT NAME : PLOT SCALE : 1:40

2

N



TRAFFIC CONTROL SIGNAL
W. WATERTOWN PLANK ROAD &
DISCOVERY PARKWAY
CITY OF WAUWATOSA
MILWAUKEE COUNTY

REGION CONTACT: DERRIN WOLFORD
CITY CONTACT: BILL WEHRLEY
DESIGNED BY: FORWARD 45
REVISED BY: HNTB

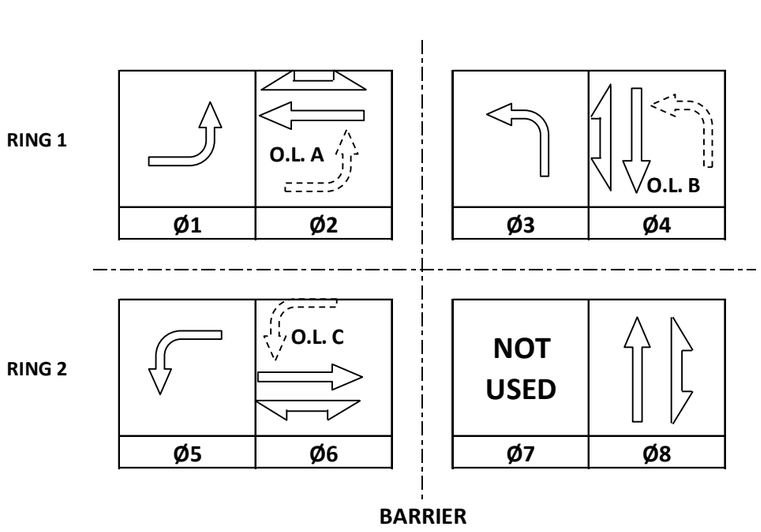
PROJECT NO: 60528491	COUNTY: MILWAUKEE	EAST-WEST BRT	TRAFFIC SIGNAL PLAN	SHEET E

PRE_180

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\HNTB\cds\024102b_sp.dgn PLOT DATE : 7/29/2019 11:13:10 AM PLOT BY : jmatson PLOT NAME : PLOT SCALE : 1:40

WISDOT/CADDS SHEET 42

	HEAD NUMBERS	FLASH
Ø1	5,6	-
Ø2	7,8,9,10	R
Ø3	16,17	-
Ø4	18,19,20	R
Ø5	11,12	-
Ø6	1,2,3,4	R
Ø7		
Ø8	13,14,15	R
Ø2P	23,24	
Ø4P	21,22	
Ø6P	27,28	
Ø8P	25,26	
OLA	5,6	R ←
OLB	16,17	R ←
OLC	27,28	R ←
OLD		



CONTROLLER LOGIC

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

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	A	B	C	D
MOVEMENT				
PHASE	2+5	6+1	4+8	8+3

AFTER PREEMPTION SEQUENCE 2+5 OR 6+1, CONTROLLER SHALL RETURN TO PHASES 2+6.
AFTER PREEMPTION SEQUENCE 4+8 OR 8+3, CONTROLLER SHALL RETURN TO PHASES 4+8.

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

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

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

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

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13	19	17	23	21	27	25	31	29	DETECTOR INPUT
PLAN LOOP DETECTOR*(S)	11	22	24	41	43	61	63	81									PLAN LOOP DETECTOR*(S)
ASSIGNED PHASE	1	2	2	4	4	6	6	8									ASSIGNED PHASE
OPERATION MODE	VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH									OPERATION MODE
SWITCH	6																SWITCH
EXTEND				X													EXTEND
DELAY																	DELAY

DETECTOR INPUT	4	2	8	6	12	10	16	14	20	18	24	22	28	26	32	30	DETECTOR INPUT
PLAN LOOP DETECTOR*(S)	21	23	31	42	51	62	64										PLAN LOOP DETECTOR*(S)
ASSIGNED PHASE	2	2	3	4	5	6	6										ASSIGNED PHASE
OPERATION MODE	VEH	VEH	VEH	VEH	VEH	VEH	VEH										OPERATION MODE
SWITCH			8		2												SWITCH
EXTEND																	EXTEND
DELAY			X	X													DELAY

GENERAL NOTES:

1. INTERSECTION UTILIZES VIDEO DETECTION CAMERAS FOR INSYNC ADAPTIVE CONTROL. THESE CAMERAS ARE NOT INCLUDED IN THE DETECTOR LOGIC CHART. REFER TO INSYNC PROGRAMMING FOR DETAILS.
2. SEQUENCE OF OPERATION SHEET IS DERIVED FROM AS-DESIGNED PLANS. ALL INFORMATION REQUIRED FOR TSP IMPLEMENTATION SHOULD BE VERIFIED PRIOR TO CONSTRUCTION.

W. WATERTOWN PLANK ROAD & DISCOVERY PARKWAY
CITY OF WAUWATOSA
MILWAUKEE COUNTY

SIGNAL NO: CABINET TYPE: TS2-S
CONTROLLER TYPE: EPAC
DATE: 07/2019 PAGE NUMBER: 4 OF 4

LEGEND

- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) MONOTUBE BASE, POLE, 15'-30' ARM
- (XX) MONOTUBE BASE, POLE, 35'-55' ARM
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- LUMINAIRE, UNDER PERMIT TO LOCAL MUNICIPALITY
- VX VIDEO DETECTION CAMERA
- PULL BOX, 24" X 42"
- RX RADAR DETECTOR
- PEDESTRIAN HEAD WITH PUSH BUTTON
- PUSH BUTTON
- X EVP DESIGNATOR
- EVP DETECTOR HEAD
- CONFIRMATION LIGHT
- CONTROL CABINET
- TRAFFIC SIGNAL HEAD
- SIGNAL HEAD NUMBER
- MICROWAVE/RADAR DETECTION AREA
- MX MICROWAVE DETECTOR

LEGEND (CON'T)

- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- R RED ARROW
- Y YELLOW ARROW
- G GREEN ARROW
- GPS EVP DETECTOR HEAD

NOTE: ALL LENSES ARE 12-INCH GRAYSHADE REPRESENTS EXISTING

N

W. WATERTOWN PLANK ROAD

N. 92ND STREET

POSTED SPEED LIMIT=25 MPH

POSTED SPEED LIMIT=35 MPH

126NS

125NS

124NS

150WP

151WP

152WP

153WP

FTMS FOC

1¼" FO I/C

CV78WWB

CB1

MH

WV

ONLY

CONSTRUCTION NOTES;

1. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
2. THE ENGINEER MAY ADJUST THE LOCATIONS OF ITEMS UNDER THIS CONTRACT TO AVOID CONFLICT WITH EXISTING UTILITY FACILITIES.
3. ADAPTIVE VIDEO DETECTION ZONES ARE NOT SHOWN FOR PLAN CLARITY. REFER TO INSYNC SOFTWARE FOR LOCATIONS OF VIDEO DETECTION ZONES.
4. TSP TO BE IMPLEMENTED FOR EASTBOUND TO SOUTHBOUND RIGHT-TURN AND NORTHBOUND TO WESTBOUND RIGHT-TURN MOVEMENTS.

TRAFFIC CONTROL SIGNAL
W. WATERTOWN PLANK ROAD &
N. 92ND STREET
CITY OF WAUWATOSA
MILWAUKEE COUNTY

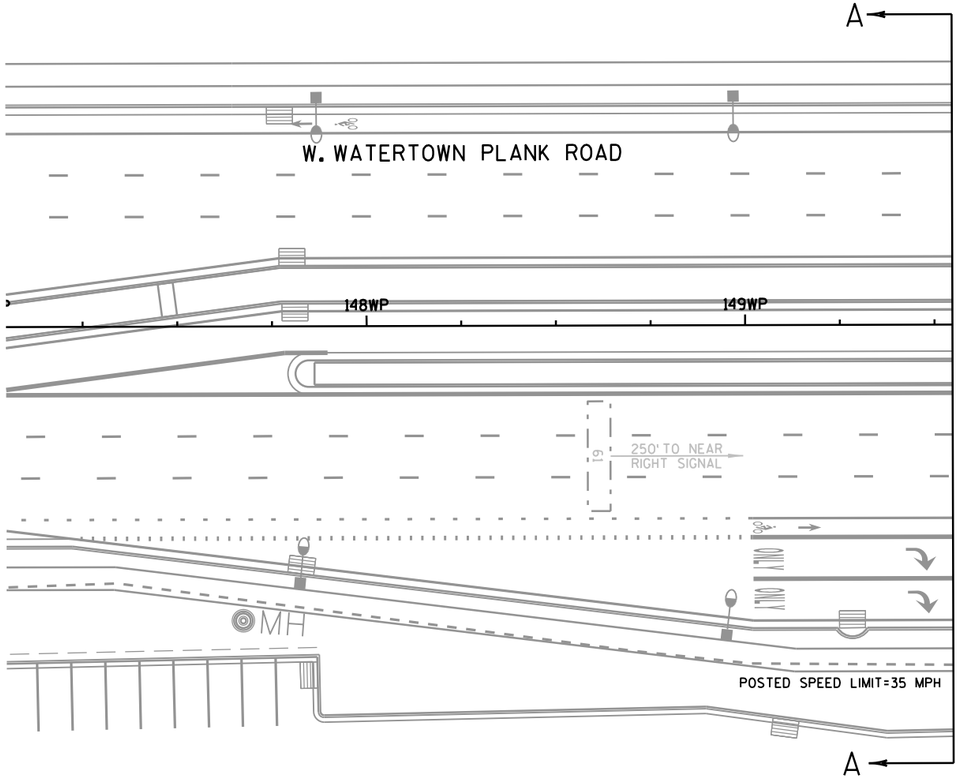
REGION CONTACT: DERRIN WOLFORD
CITY CONTACT: BILL WEHRLEY
DESIGNED BY: FORWARD 45
REVISED BY: HNTB

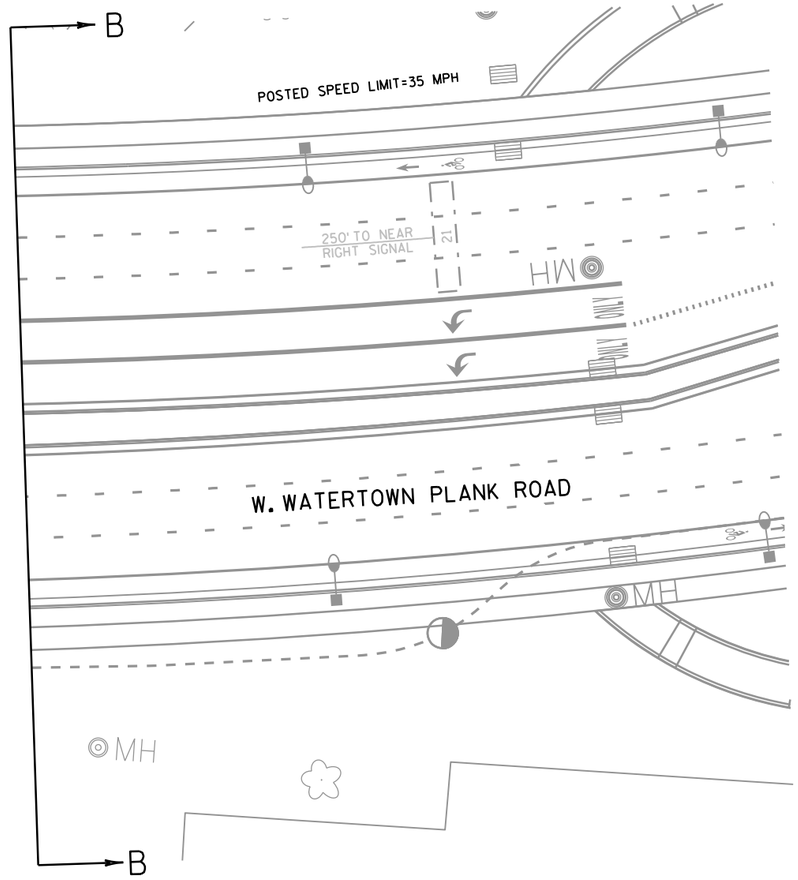
PROJECT NO: 60528491	COUNTY: MILWAUKEE	EAST-WEST BRT	TRAFFIC SIGNAL PLAN	SHEET E

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\HNTB\cds\024103_sp.dgn PLOT DATE : 7/29/2019 11:13:24 AM PLOT BY : jmatson PLOT NAME : PLOT SCALE : 1:40

2

N





TRAFFIC CONTROL SIGNAL
W. WATERTOWN PLANK ROAD &
N. 92ND STREET
CITY OF WAUWATOSA
MILWAUKEE COUNTY

REGION CONTACT: DERRIN WOLFORD
CITY CONTACT: BILL WEHRLEY
DESIGNED BY: FORWARD 45
REVISED BY: HNTB

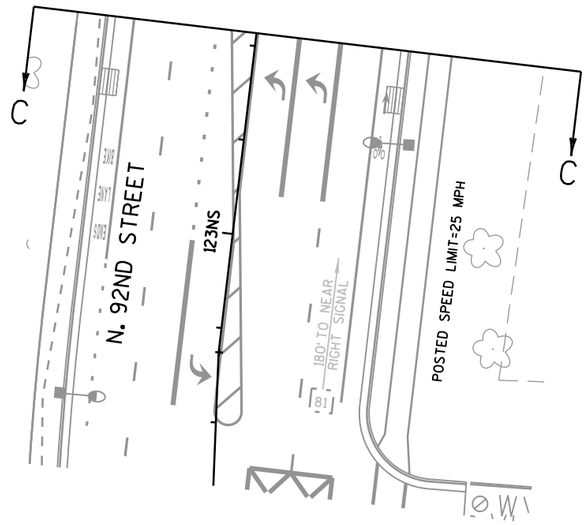
PAGE 2 OF 4

PROJECT NO: 60528491	COUNTY: MILWAUKEE	EAST-WEST BRT	TRAFFIC SIGNAL PLAN	SHEET E

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\HNTB\cds\024103a_sp.dgn PLOT DATE : 7/29/2019 11:13:38 AM PLOT BY : jmatson PLOT NAME : PLOT SCALE : 1:40

2

N



TRAFFIC CONTROL SIGNAL
W. WATERTOWN PLANK ROAD &
N. 92ND STREET
CITY OF WAUWATOSA
MILWAUKEE COUNTY

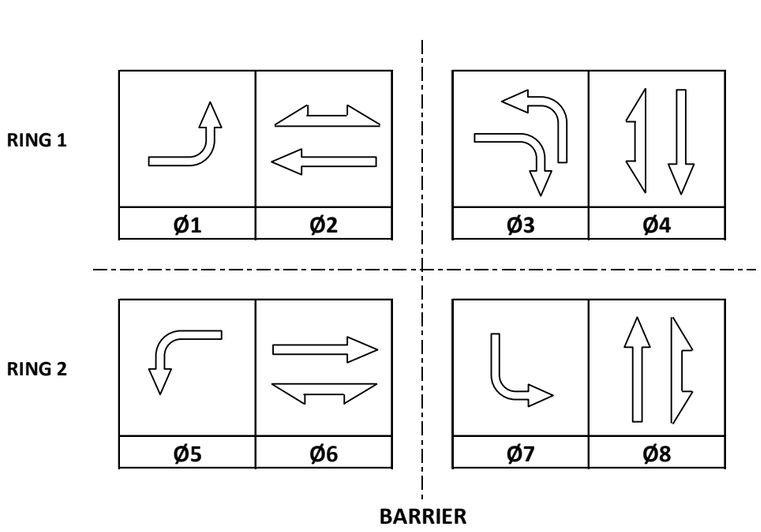
REGION CONTACT: DERRIN WOLFORD
CITY CONTACT: BILL WEHRLEY
DESIGNED BY: FORWARD 45
REVISED BY: HNTB

PAGE 3 OF 4

PROJECT NO: 60528491	COUNTY: MILWAUKEE	EAST-WEST BRT	TRAFFIC SIGNAL PLAN	SHEET E

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\HNTB\cds\024103b_sp.dgn PLOT DATE : 7/29/2019 11:13:51 AM PLOT BY : jmatson PLOT NAME : PLOT SCALE : 1:40

	HEAD NUMBERS	FLASH
Ø1	6,7,8	R ←
Ø2	9,10,11,12	R
Ø3	1,5,19,20	R,R ←
Ø4	21,22,23	R
Ø5	13,14,15	R ←
Ø6	1,2,3,4,5	R
Ø7	24,25	R ←
Ø8	16,17,18	R
Ø2P	30,31	
Ø4P	26,27,28,29	
Ø6P	34,35	
Ø8P	32,33	
OLA		
OLB		
OLC		
OLD		



CONTROLLER LOGIC

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

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	A	B	C	D
MOVEMENT	←	→	↓	↑
PHASE	2+5	6+1	4+7	8+3

AFTER PREEMPTION SEQUENCE 2+5 OR 6+1, CONTROLLER SHALL RETURN TO PHASES 2+6.
AFTER PREEMPTION SEQUENCE 4+7 OR 8+3, CONTROLLER SHALL RETURN TO PHASES 4+8.

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

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

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

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

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
PLAN LOOP DETECTOR*(S)								
ASSIGNED PHASE								
OPERATION MODE								
SWITCH								
EXTEND								
DELAY								

17	19	21	23	25	27	29	31	DETECTOR INPUT
11	22	31	41	52	62	64	71	PLAN LOOP DETECTOR*(S)
1	2	3	4	5	6	6	7	ASSIGNED PHASE
VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH	OPERATION MODE
								SWITCH
								EXTEND
								DELAY

DETECTOR INPUT	4	2	8	6	12	10	16	14
PLAN LOOP DETECTOR*(S)								
ASSIGNED PHASE								
OPERATION MODE								
SWITCH								
EXTEND								
DELAY								

18	20	22	24	26	28	30	32	DETECTOR INPUT
21	23	32	51	61	63	65	81	PLAN LOOP DETECTOR*(S)
2	2	3	5	6	6	6	8	ASSIGNED PHASE
VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH	OPERATION MODE
								SWITCH
								EXTEND
				X			X	DELAY

GENERAL NOTES:

1. INTERSECTION UTILIZES VIDEO DETECTION CAMERAS FOR INSYNC ADAPTIVE CONTROL. THESE CAMERAS ARE NOT INCLUDED IN THE DETECTOR LOGIC CHART. REFER TO INSYNC PROGRAMMING FOR DETAILS.
2. SEQUENCE OF OPERATION SHEET IS DERIVED FROM AS-DESIGNED PLANS. ALL INFORMATION REQUIRED FOR TSP IMPLEMENTATION SHOULD BE VERIFIED PRIOR TO CONSTRUCTION.

W. WATERTOWN PLANK ROAD & N. 92ND STREET
CITY OF WAUWATOSA
MILWAUKEE COUNTY

SIGNAL NO: CABINET TYPE: TS2-S
CONTROLLER TYPE: EPAC
DATE: 07/2019 PAGE NUMBER: 4 OF 4

LEGEND

- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- LUMINAIRE, UNDER PERMIT TO LOCAL MUNICIPALITY
- VX VIDEO DETECTION CAMERA
- EVP DETECTOR HEAD
- GPS EVP DETECTOR HEAD
- PULL BOX, 18" X 30"
- PULL BOX, 24" X 42"
- PEDESTRIAN HEAD
- CONTROL CABINET
- TRAFFIC SIGNAL HEAD
- SIGNAL HEAD NUMBER

LEGEND (CON'T)

- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- YELLOW ARROW
- GREEN ARROW

NOTE: GRAYSHADE REPRESENTS EXISTING

N

W. CONNELL AVENUE

123C

N. 92ND STREET

113NS 114NS 115NS 116NS 117NS 118NS

N. 92ND STREET

W. CONNELL AVENUE

ONLY ONLY

CONSTRUCTION NOTES:

1. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
2. THE ENGINEER MAY ADJUST THE LOCATIONS OF ITEMS UNDER THIS CONTRACT TO AVOID CONFLICT WITH EXISTING UTILITY FACILITIES.
3. TSP TO BE IMPLEMENTED FOR SOUTHBOUND AND NORTHBOUND THROUGH MOVEMENTS.

TRAFFIC CONTROL SIGNAL
W. CONNELL AVENUE &
N. 92ND STREET
CITY OF WAUWATOSA
MILWAUKEE COUNTY

COUNTY CONTACT: TBD
DESIGNED BY:
REVISED BY: HNTB

PAGE 1 OF 1

PROJECT NO: 60528491	COUNTY: MILWAUKEE	EAST-WEST BRT	TRAFFIC SIGNAL PLAN	SHEET E

PRE_186

LEGEND

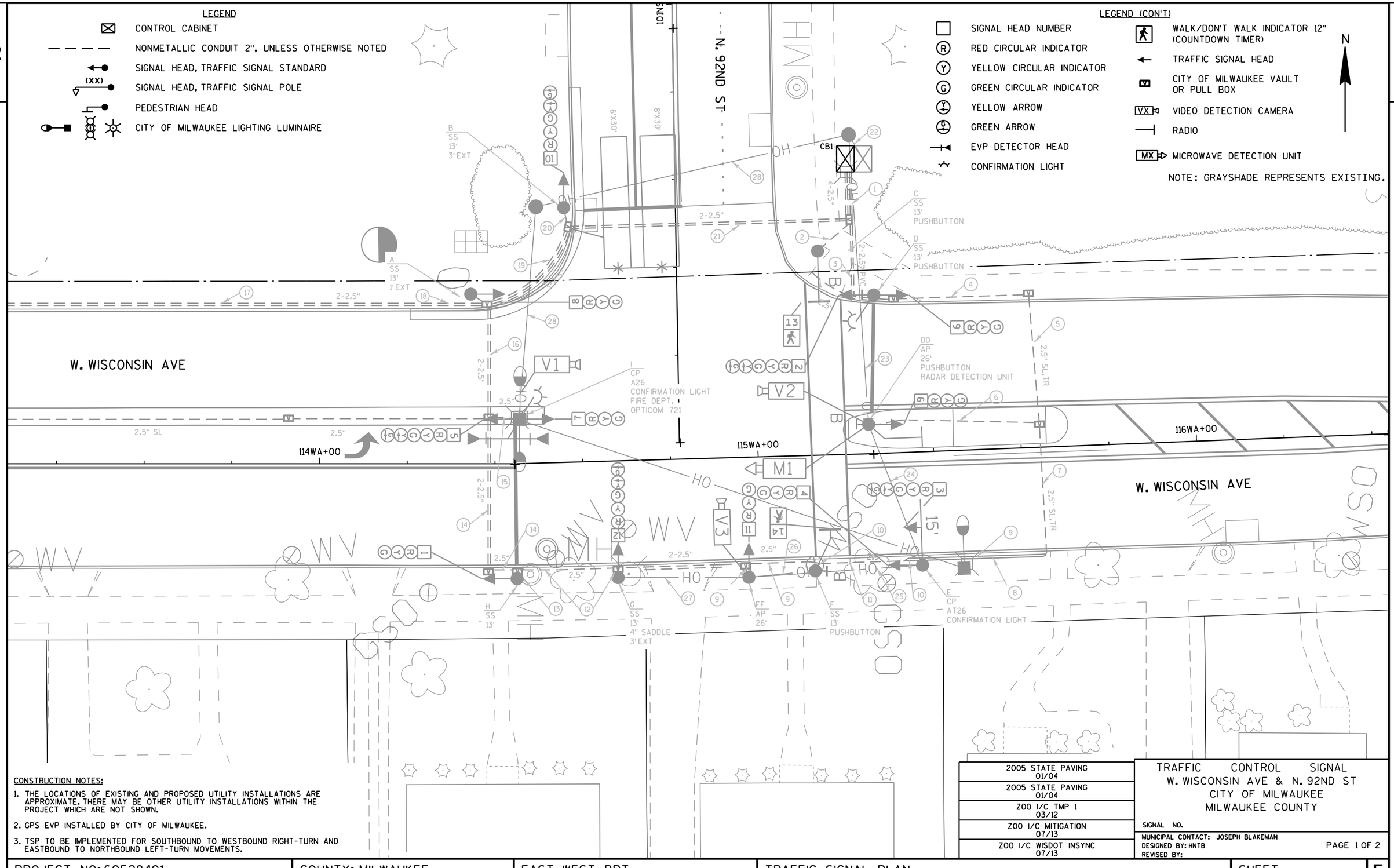
- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD
- (XX) SIGNAL HEAD, TRAFFIC SIGNAL POLE
- PEDESTRIAN HEAD
- CITY OF MILWAUKEE LIGHTING LUMINAIRE

LEGEND (CON'T)

- SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- YELLOW ARROW
- GREEN ARROW
- EVP DETECTOR HEAD
- CONFIRMATION LIGHT
- WALK/DON'T WALK INDICATOR 12" (COUNTDOWN TIMER)
- TRAFFIC SIGNAL HEAD
- CITY OF MILWAUKEE VAULT OR PULL BOX
- VX VIDEO DETECTION CAMERA
- RADIO
- MX MICROWAVE DETECTION UNIT

NOTE: GRAYSHADE REPRESENTS EXISTING.

N



CONSTRUCTION NOTES:

1. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
2. GPS EVP INSTALLED BY CITY OF MILWAUKEE.
3. TSP TO BE IMPLEMENTED FOR SOUTHBOUND TO WESTBOUND RIGHT-TURN AND EASTBOUND TO NORTHBOUND LEFT-TURN MOVEMENTS.

2005 STATE PAVING 01/04
2005 STATE PAVING 01/04
ZOO I/C TMP 1 03/12
ZOO I/C MITIGATION 07/13
ZOO I/C WISDOT INSYNC 07/13

TRAFFIC CONTROL SIGNAL
W. WISCONSIN AVE & N. 92ND ST
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO.

MUNICIPAL CONTACT: JOSEPH BLAKEMAN
DESIGNED BY: HNTB
REVISED BY:

PAGE 1 OF 2

PROJECT NO: 60528491	COUNTY: MILWAUKEE	EAST-WEST BRT	TRAFFIC SIGNAL PLAN	SHEET E

PRE_187

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\HNTB\cds\024105_sp.dgn PLOT DATE : 7/30/2019 10:52:09 AM PLOT BY : mjmay PLOT NAME : PLOT SCALE : 1:20

W. WISCONSIN AVE & N. 92ND ST

2

CALL OUT	CONDUIT CONTENTS
1	RADAR DETECTION CABLE CONT. CAB TO DD
	17 #14 LTP CONT. CAB TO D
	17 #14 LTP CONT. CAB TO C
	17-14 AWG CONT. CAB TO H
	20 #14 LTP CONT. CAB TO B
	17 #14 LTP CONT. CAB TO I
	OPTICOM CABLE CONT. CAB TO I
	3 #8/1 #8 LTP (SERVICE)
2	17 #14 LTP CONT. CAB TO C
3	RADAR DETECTION CABLE CONT. CAB TO DD
	17 #14 LTP CONT. CAB TO D
4	17 #14 LTP CONT. CAB TO D
5	RADAR DETECTION CABLE CONT. CAB TO DD
6	RADAR DETECTION CABLE CONT. CAB TO DD
7	
8	
9	
10	17 #14 LTP E TO F
11	17 #14 LTP E TO F
12	17 #14 LTP G TO H
13	17 #14 LTP G TO H
	17-14 AWG CONT. CAB TO H
14	17-14 AWG CONT. CAB TO H
15	17 #14 LTP CONT. CAB TO I
	OPTICOM CABLE CONT. CAB TO I
16	17-14 AWG CONT. CAB TO H
	17 #14 LTP CONT. CAB TO I
	OPTICOM CABLE CONT. CAB TO I
17	3 #8/1 #8 LTP (SERVICE)
18	20 #14 LTP CONT. CAB TO B
	17 #14 LTP B TO A
19	17-14 AWG CONT. CAB TO H
	20 #14 LTP CONT. CAB TO B
	17 #14 LTP CONT. CAB TO I
	OPTICOM CABLE CONT. CAB TO I
	3 #8/1 #8 LTP (SERVICE)
	17 #14 LTP B TO A

CALL OUT	CONDUIT CONTENTS CONT.
20	17 #14 LTP B TO A
21	17-14 AWG CONT. CAB TO H
	20 #14 LTP CONT. CAB TO B
	17 #14 LTP CONT. CAB TO I
	OPTICOM CABLE CONT. CAB TO I
	3 #8/1 #8 LTP (SERVICE)
22	CAMERA CABLE CONT. CAB TO DD
	17 #14 AWG CONT. CAB TO DD
	CAMERA CABLE CONT. CAB TO FF
	20 #14 LTP CONT. CAB TO FF
	20 #14 LTP CONT. CAB TO E
	17 #14 CONT. CAB TO F
	17 #14 CONT. CAB TO G
	CAMERA CABLE CONT. CAB TO I
23	CAMERA CABLE CONT. CAB TO DD
	17 #14 AWG CONT. CAB TO DD
	CAMERA CABLE CONT. CAB TO FF
	20 #14 LTP CONT. CAB TO FF
	17 #14 CONT. CAB TO F
	17 #14 CONT. CAB TO G
	20 #14 LTP CONT. CAB TO E
24	CAMERA CABLE CONT. CAB TO FF
	20 #14 LTP CONT. CAB TO FF
	20 #14 LTP CONT. CAB TO E
	17 #14 CONT. CAB TO F
	17 #14 CONT. CAB TO G
25	CAMERA CABLE CONT. CAB TO FF
	20 #14 LTP CONT. CAB TO FF
	17 #14 CONT. CAB TO F
	17 #14 CONT. CAB TO G
26	17 #14 CONT. CAB TO F
27	17 #14 CONT. CAB TO G
28	CAMERA CABLE CONT. CAB TO I

PROJECT NO: 60524891	COUNTY: MILWAUKEE	EAST-WEST BRT	CABLE ROUTING	SHEET:	E

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\HNTB\base\BRT_sp_cr.ppt PLOT DATE : 7/28/2019 5:15:29 PM PLOT BY : HNTB PLOT NAME : 024020_sp_cr<#> PLOT SCALE : 1:1

LEGEND

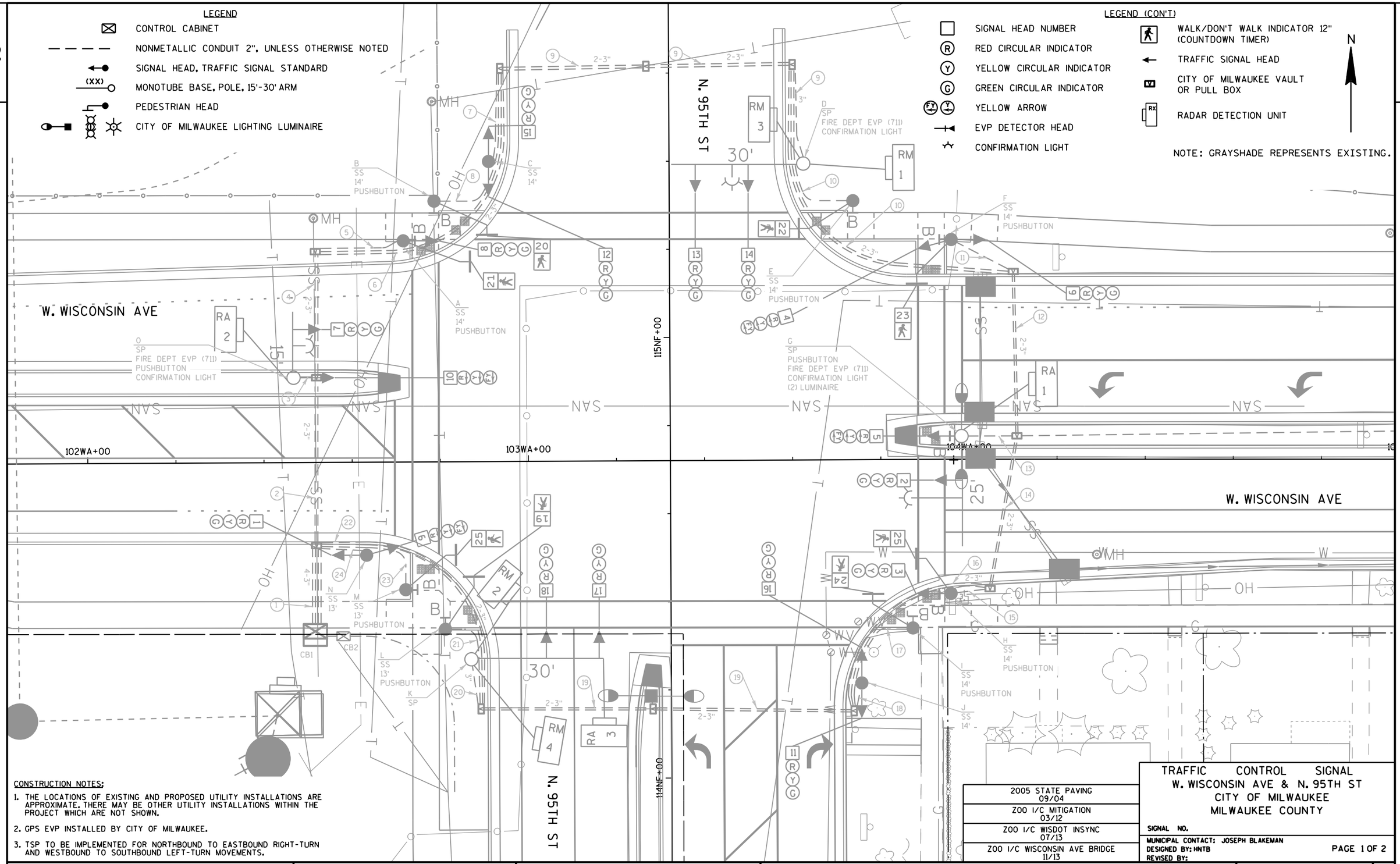
- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD
- (XX) MONOTUBE BASE, POLE, 15'-30' ARM
- PEDESTRIAN HEAD
- CITY OF MILWAUKEE LIGHTING LUMINAIRE

LEGEND (CON'T)

- SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- (FY) (Y) YELLOW ARROW
- EVP DETECTOR HEAD
- CONFIRMATION LIGHT
- WALK/DON'T WALK INDICATOR 12" (COUNTDOWN TIMER)
- TRAFFIC SIGNAL HEAD
- CITY OF MILWAUKEE VAULT OR PULL BOX
- RX RADAR DETECTION UNIT

N

NOTE: GRAYSHADE REPRESENTS EXISTING.



CONSTRUCTION NOTES:

1. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
2. GPS EVP INSTALLED BY CITY OF MILWAUKEE.
3. TSP TO BE IMPLEMENTED FOR NORTHBOUND TO EASTBOUND RIGHT-TURN AND WESTBOUND TO SOUTHBOUND LEFT-TURN MOVEMENTS.

2005 STATE PAVING 09/04
ZOO I/C MITIGATION 03/12
ZOO I/C WISDOT INSYNC 07/13
ZOO I/C WISCONSIN AVE BRIDGE 11/13

TRAFFIC CONTROL SIGNAL
W. WISCONSIN AVE & N. 95TH ST
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO.

MUNICIPAL CONTACT: JOSEPH BLAKEMAN
DESIGNED BY: HNTB
REVISED BY:

PAGE 1 OF 2

PROJECT NO: 60528491	COUNTY: MILWAUKEE	EAST-WEST BRT	TRAFFIC SIGNAL PLAN	SHEET E

PRE_189

W. WISCONSIN AVE & N. 95TH ST

2

CALL OUT	CONDUIT CONTENTS
1	12-14 AWG CONT. CAB TO A
	17-14 AWG CONT. CAB TO C
	17-14 AWG CONT. CAB TO D
	CAMERA POWER CABLE CONT. CAB TO D
	CAT 5E CAMERA CABLE CONT. CAB TO D
	EVP CABLE CONT. CAB TO D
	17-14 AWG CONT. CAB TO O
	CAMERA POWER CABLE CONT. CAB TO O
	CAT 5E CAMERA CABLE CONT. CAB TO O
	EVP CABLE CONT. CAB TO O
	17-14 AWG CONT. CAB TO F
	17-14 CONT. CAB TO G
	CAMERA POWER CABLE CONT. CAB TO G
	CAT 5E CAMERA CABLE CONT. CAB TO G
	EVP CABLE CONT. CAB TO G
	12-14 AWG CONT. CAB TO I
	12-14 AWG CONT. CAB TO J
	17-14 AWG CONT. CAB TO K
	CAMERA POWER CABLE CONT. CAB TO K
	CAT 5E CAMERA CABLE CONT. CAB TO K
	9-14 AWG CONT. CAB TO L
	17-14 AWG CONT. CAB TO N
2	12-14 AWG CONT. CAB TO A
	17-14 AWG CONT. CAB TO C
	17-14 AWG CONT. CAB TO D
	CAMERA POWER CABLE CONT. CAB TO D
	CAT 5E CAMERA CABLE CONT. CAB TO D
	EVP CABLE CONT. CAB TO D
	17-14 AWG CONT. CAB TO O
	CAMERA POWER CABLE CONT. CAB TO O
	CAT 5E CAMERA CABLE CONT. CAB TO O
	EVP CABLE CONT. CAB TO O
3	17-14 AWG CONT. CAB TO O
	CAMERA POWER CABLE CONT. CAB TO O
	CAT 5E CAMERA CABLE CONT. CAB TO O
	EVP CABLE CONT. CAB TO O
4	12-14 AWG CONT. CAB TO A
	17-14 AWG CONT. CAB TO C
	17-14 AWG CONT. CAB TO D
	CAMERA POWER CABLE CONT. CAB TO D
	CAT 5E CAMERA CABLE CONT. CAB TO D
	EVP CABLE CONT. CAB TO D

CALL OUT	CONDUIT CONTENTS CONT.
5	12-14 AWG CONT. CAB TO A
6	17-14 AWG CONT. CAB TO C
	17-14 AWG CONT. CAB TO D
	CAMERA POWER CABLE CONT. CAB TO D
	CAT 5E CAMERA CABLE CONT. CAB TO D
	EVP CABLE CONT. CAB TO D
7	17-14 AWG CONT. CAB TO C
	12-14 AWG C TO B
8	12-14 AWG C TO B
9	17-14 AWG CONT. CAB TO D
	CAMERA POWER CABLE CONT. CAB TO D
	CAT 5E CAMERA CABLE CONT. CAB TO D
	EVP CABLE CONT. CAB TO D
10	9-14 AWG F TO E
11	9-14 AWG F TO E
	17-14 AWG CONT. CAB TO F
12	17-14 AWG CONT. CAB TO F
13	17-14 CONT. CAB TO G
	CAMERA POWER CABLE CONT. CAB TO G
	CAT 5E CAMERA CABLE CONT. CAB TO G
	EVP CABLE CONT. CAB TO G
14	17-14 AWG CONT. CAB TO F
	17-14 CONT. CAB TO G
	CAMERA POWER CABLE CONT. CAB TO G
	CAT 5E CAMERA CABLE CONT. CAB TO G
	EVP CABLE CONT. CAB TO G
15	9-14 AWG I TO H
16	17-14 AWG CONT. CAB TO F
	17-14 CONT. CAB TO G
	CAMERA POWER CABLE CONT. CAB TO G
	CAT 5E CAMERA CABLE CONT. CAB TO G
	EVP CABLE CONT. CAB TO G
	12-14 AWG CONT. CAB TO I
17	9-14 AWG I TO H
	12-14 AWG CONT. CAB TO I
18	12-14 AWG CONT. CAB TO J
19	17-14 AWG CONT. CAB TO F
	17-14 CONT. CAB TO G
	CAMERA POWER CABLE CONT. CAB TO G
	CAT 5E CAMERA CABLE CONT. CAB TO G
	EVP CABLE CONT. CAB TO G
	12-14 AWG CONT. CAB TO I
	12-14 AWG CONT. CAB TO J

CALL OUT	CONDUIT CONTENTS CONT.
20	17-14 AWG CONT. CAB TO K
	CAMERA POWER CABLE CONT. CAB TO K
	CAT 5E CAMERA CABLE CONT. CAB TO K
21	9-14 AWG CONT. CAB TO L
22	17-14 AWG CONT. CAB TO F
	17-14 CONT. CAB TO G
	CAMERA POWER CABLE CONT. CAB TO G
	CAT 5E CAMERA CABLE CONT. CAB TO G
	EVP CABLE CONT. CAB TO G
	12-14 AWG CONT. CAB TO I
	12-14 AWG CONT. CAB TO J
	17-14 AWG CONT. CAB TO K
	CAMERA POWER CABLE CONT. CAB TO K
	CAT 5E CAMERA CABLE CONT. CAB TO K
	9-14 AWG CONT. CAB TO L
23	9-14 AWG N TO M
24	9-14 AWG N TO M
	17-14 AWG CONT. CAB TO N

PROJECT NO: 60524891	COUNTY: MILWAUKEE	EAST-WEST BRT	CABLE ROUTING	SHEET:	E

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\HNTB\base\BRT_sp_cr.ppt PLOT DATE : 7/28/2019 5:15:29 PM PLOT BY : HNTB PLOT NAME : 024020_sp_cr<#> PLOT SCALE : 1:1

PRE_190

LEGEND

- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) MONOTUBE BASE, POLE, 15'-30' ARM
- (XX) MONOTUBE BASE, POLE, 35'-55' ARM
- LUMINAIRE UNDER PERMIT TO LOCAL MUNICIPALITY
- VIDEO DETECTION AREA
- VX VIDEO DETECTION CAMERA
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT

R/W IS OFF THE PAGE

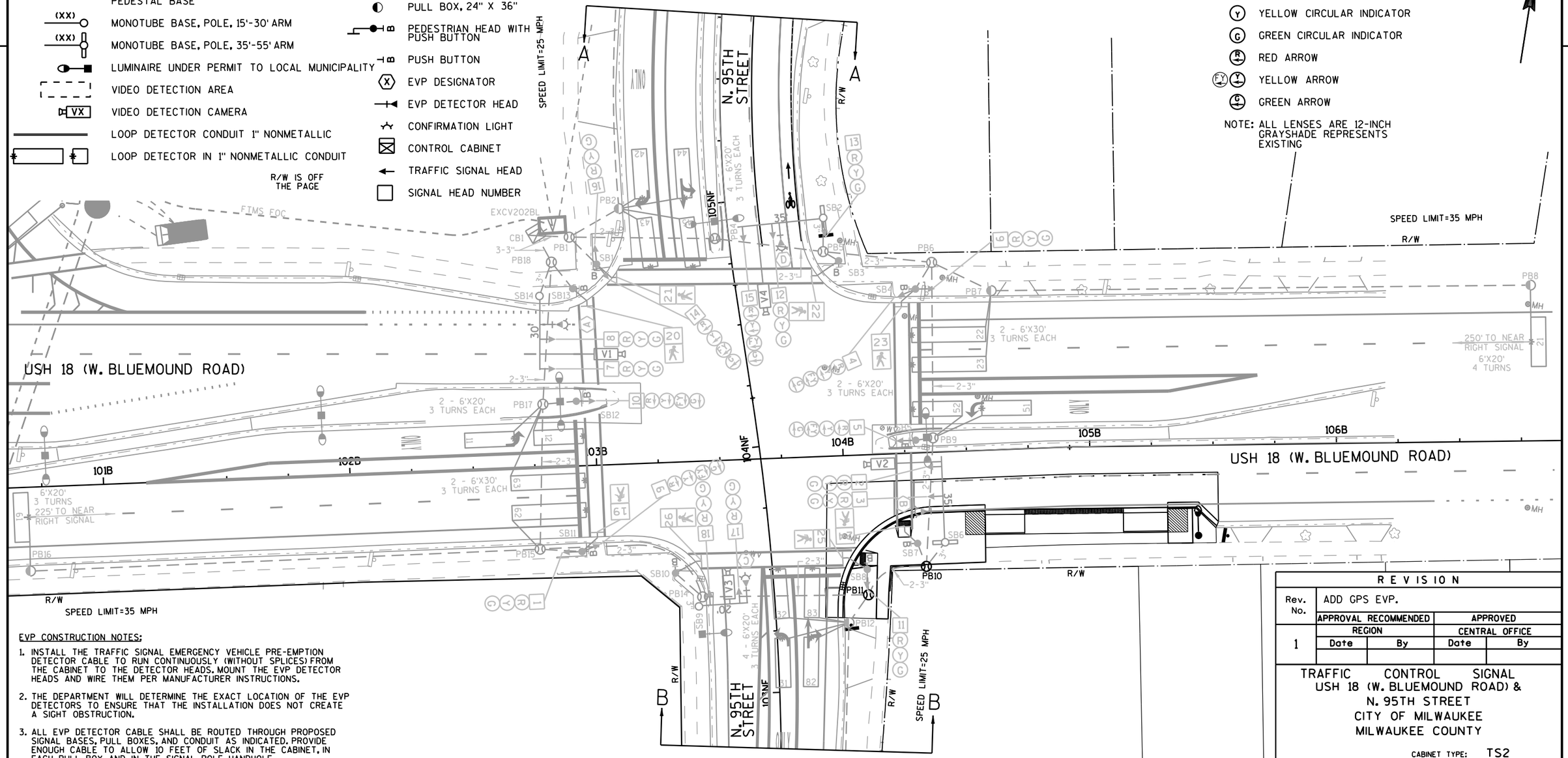
- V FTMS VAULT
- PULL BOX, 24" X 42"
- PULL BOX, 24" X 36"
- PEDESTRIAN HEAD WITH PUSH BUTTON
- PUSH BUTTON
- X EVP DESIGNATOR
- EVP DETECTOR HEAD
- CONFIRMATION LIGHT
- CONTROL CABINET
- TRAFFIC SIGNAL HEAD
- SIGNAL HEAD NUMBER

LEGEND (CON'T)

- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- R RED ARROW
- FY Y YELLOW ARROW
- G GREEN ARROW

NOTE: ALL LENSES ARE 12-INCH GRAYSHADE REPRESENTS EXISTING

N



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 PROPOSED 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.

CONSTRUCTION NOTES;

1. THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED 5 WORKING DAYS PRIOR TO PLACING SIGNAL CABLE INTO SYSTEM. CONTACT THE REGIONAL ELECTRICAL FIELD UNIT AT (414) 266-1170.
2. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
3. ADAPTIVE VIDEO DETECTION ZONES ARE NOT SHOWN FOR PLAN CLARITY. REFER TO INSYNC SOFTWARE FOR LOCATIONS OF VIDEO DETECTION ZONES.
4. ALL LUMINAIRES ARE LED CATEGORY D UNLESS OTHERWISE NOTED.

STRUCTURE NUMBERS

SB2 = S-40-1517
SB6 = S-40-1518
SB9 = S-40-1519
SB14 = S-40-1520

INITIAL INSTALLATION. 2015

REVISION				
Rev. No.	ADD GPS EVP.			
	APPROVAL RECOMMENDED		APPROVED	
	REGION		CENTRAL OFFICE	
1	Date	By	Date	By

TRAFFIC CONTROL SIGNAL
USH 18 (W. BLUEMOUND ROAD) &
N. 95TH STREET
CITY OF MILWAUKEE
MILWAUKEE COUNTY

CABINET TYPE: TS2
SIGNAL NO. S40-1384 CONTROLLER TYPE: ECONOLITE

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED
Date 4/28/14 DAVID A. BRANTNER, PE
REGION TRAFFIC ENGINEER

APPROVED
Date 5/1/14 JOANNA L. BUSH
STATE TRAFFIC ENGINEER

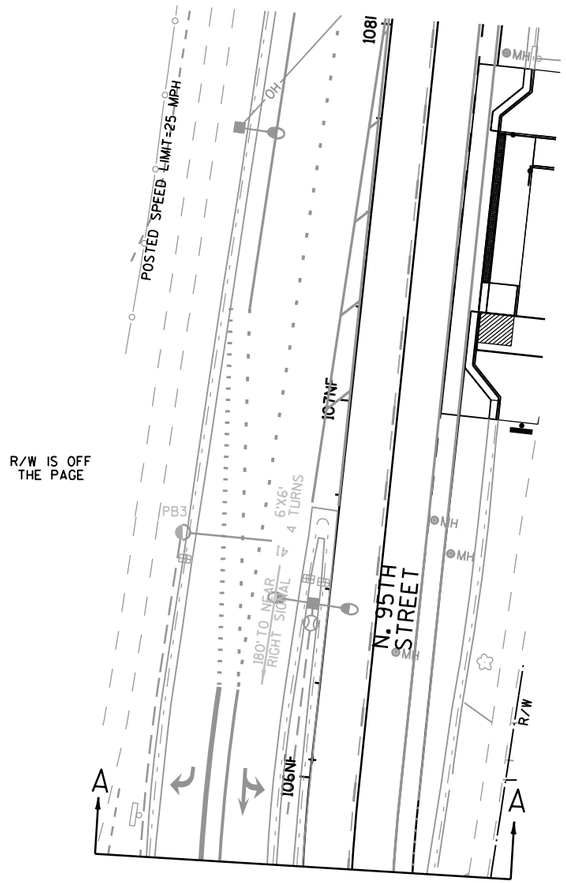
REGION CONTACT: DERRIN WOLFORD
DESIGNED BY: FORWARD 45
REVISED BY: HNTB

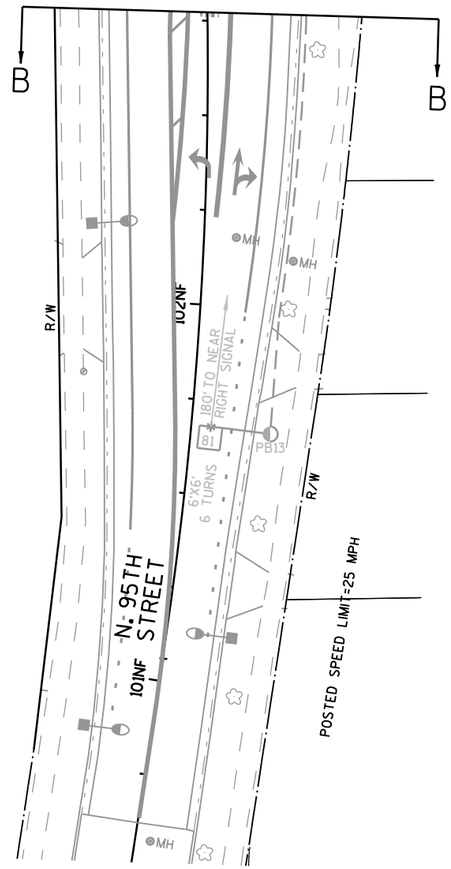
PAGE 1 OF 3

PROJECT NO: 60528491	COUNTY: MILWAUKEE	EAST-WEST BRT	TRAFFIC SIGNAL PLAN	SHEET E

PRE_191

2





N

TRAFFIC CONTROL SIGNAL
USH 18 (W. BLUEMOUND ROAD) &
N. 95TH STREET
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. S40-1384

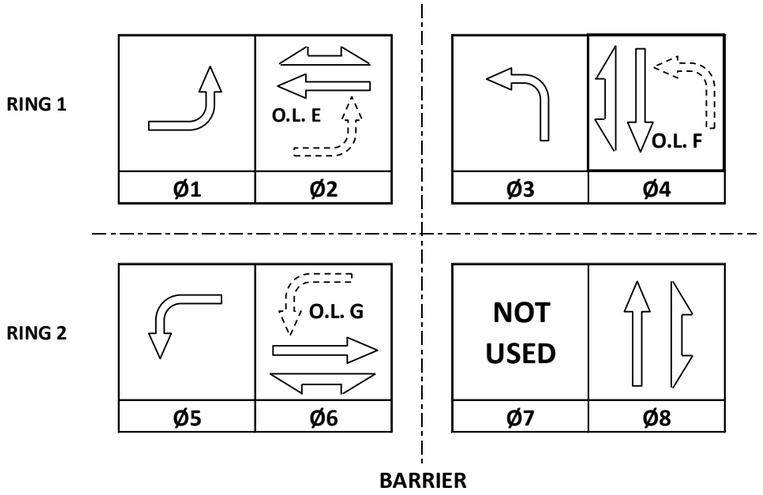
REGION CONTACT: DERRIN WOLFORD
DESIGNED BY: FORWARD 45
REVISED BY: HNTB

PAGE 2 OF 3

PROJECT NO: 60528491	COUNTY: MILWAUKEE	EAST-WEST BRT	TRAFFIC SIGNAL PLAN	SHEET E

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\HNTB\cds\024107a_sp.dgn PLOT DATE : 7/29/2019 11:14:36 AM PLOT BY : jmatson PLOT NAME : PLOT SCALE : 1:40

	HEAD NUMBERS	FLASH
Ø1	4,5	R ←
Ø2	6,7,8	R
Ø3	14,15	R ←
Ø4	16,17,18	R
Ø5	9,10	R ←
Ø6	1,2,3	R
Ø7		
Ø8	11,12,13	R
Ø2P	21,22	
Ø4P	19,20	
Ø6P	25,26	
Ø8P	23,24	
OLE	4,5	-
OLF	14,15	-
OLG	9,10	-
OLH		



CONTROLLER LOGIC

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

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	A	B	C	D
MOVEMENT	←	→	↓	↑
PHASE	2+5	6+1	4+8	8+3

AFTER PREEMPTION SEQUENCE 2+5 OR 6+1, CONTROLLER SHALL RETURN TO PHASES 2+6.
AFTER PREEMPTION SEQUENCE 4+8 OR 8+3, CONTROLLER SHALL RETURN TO PHASES 4+8.

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

TYPE OF COORDINATION	
NONE	
TBC	
TRAFFIC RESPONSIVE	
ADAPTIVE	X
*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	

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

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
PLAN LOOP DETECTOR*(S)	11/12	22/23	41	44/45	61	81		
CALLED PHASE	1	2		4	6			
CALL OPTION	X	X		X				
DELAY TIME								
EXTENTION OPTION	X	X	X	X	X	X		
EXTEND TIME			X		X	X		
USE ADDED INITIAL								
CROSS SWITCH PHASE	6							

19	17	23	21	27	25	31	29	DETECTOR INPUT
								PLAN LOOP DETECTOR*(S)
								CALLED PHASE
								CALL OPTION
								DELAY TIME
								EXTENTION OPTION
								EXTEND TIME
								USE ADDED INITIAL
								CROSS SWITCH PHASE

DETECTOR INPUT	4	2	8	6	12	10	16	14
PLAN LOOP DETECTOR*(S)	21	31/32	42/43	51/52	62/63	82/83		
CALLED PHASE		3	4	5	6	8		
CALL OPTION		X	X	X	X	X		
DELAY TIME						X		
EXTENTION OPTION	X	X	X	X	X	X		
EXTEND TIME	X							
USE ADDED INITIAL								
CROSS SWITCH PHASE		8		2				

20	18	24	22	28	26	32	30	DETECTOR INPUT
								PLAN LOOP DETECTOR*(S)
								CALLED PHASE
								CALL OPTION
								DELAY TIME
								EXTENTION OPTION
								EXTEND TIME
								USE ADDED INITIAL
								CROSS SWITCH PHASE

GENERAL NOTES:

1. INTERSECTION UTILIZES VIDEO DETECTION CAMERAS FOR INSYNC ADAPTIVE CONTROL. THESE CAMERAS ARE NOT INCLUDED IN THE DETECTOR LOGIC CHART. REFER TO INSYNC PROGRAMMING FOR DETAILS.

USH 18 & N. 95TH STREET
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO:	S40-1384	CABINET TYPE: TS2-E	
		CONTROLLER TYPE: ECONOLITE	
DATE:	07/2019	PAGE NUMBER: 3 OF 3	

PROJECT NO: 60528491	COUNTY: MILWAUKEE	EAST-WEST BRT	SEQUENCE OF OPERATIONS	SHEET NO: PRE_193	E

LEGEND

- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) MONOTUBE BASE, POLE, 15'-30' ARM
- LUMINAIRE UNDER PERMIT TO LOCAL MUNICIPALITY
- VX VIDEO DETECTION CAMERA
- RADAR DETECTION AREA
- RX RADAR DETECTOR
- PULL BOX, 24" X 42"
- PEDESTRIAN HEAD WITH PUSH BUTTON
- PUSH BUTTON
- X EVP DESIGNATOR
- EVP DETECTOR HEAD
- CONFIRMATION LIGHT
- GPS EVP DETECTOR HEAD
- CONTROL CABINET
- TRAFFIC SIGNAL HEAD
- SIGNAL HEAD NUMBER

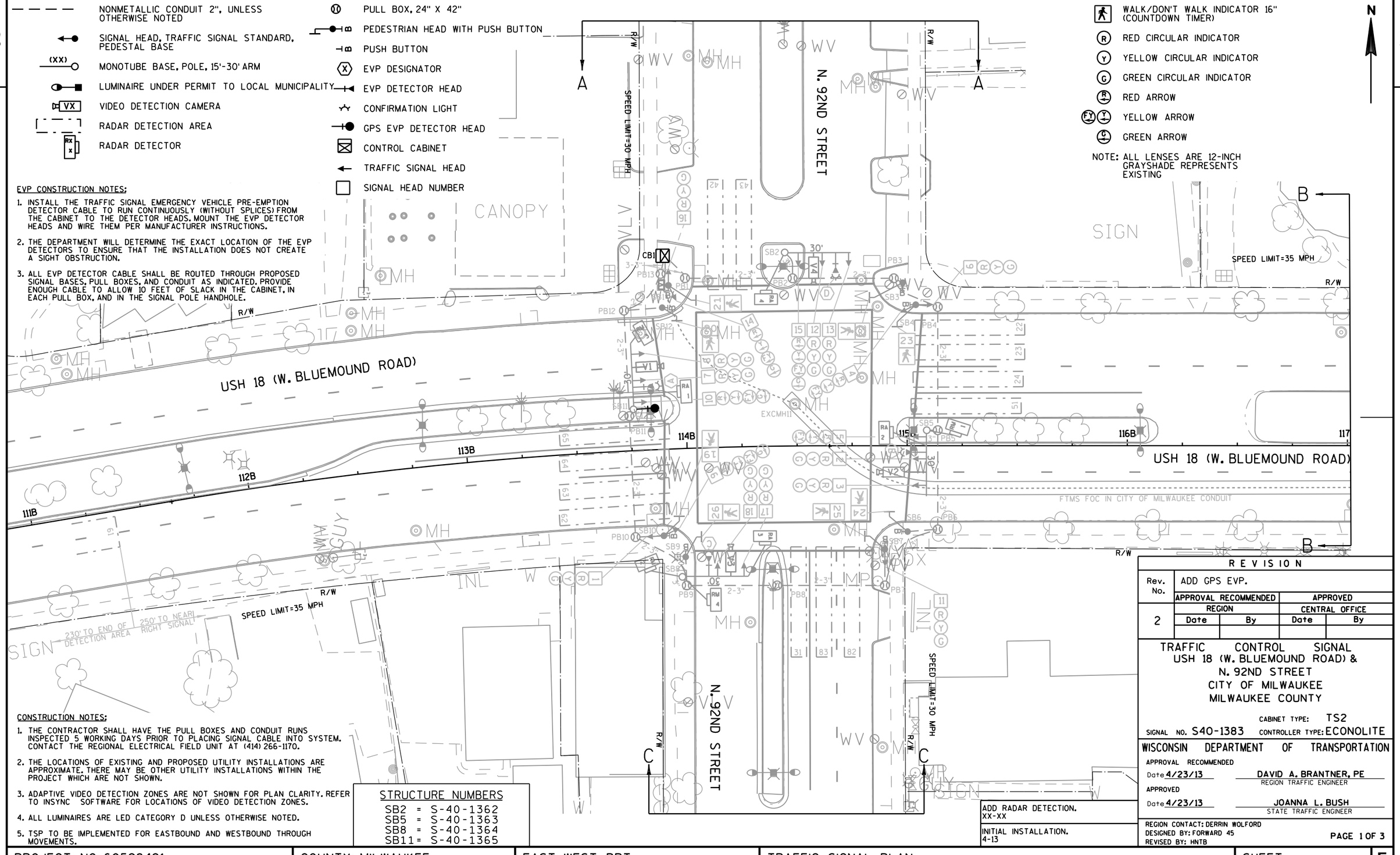
LEGEND (CON'T)

- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- R RED ARROW
- FY YELLOW ARROW
- G GREEN ARROW

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 PROPOSED 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.



CONSTRUCTION NOTES:

1. THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED 5 WORKING DAYS PRIOR TO PLACING SIGNAL CABLE INTO SYSTEM. CONTACT THE REGIONAL ELECTRICAL FIELD UNIT AT (414) 266-1170.
2. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
3. ADAPTIVE VIDEO DETECTION ZONES ARE NOT SHOWN FOR PLAN CLARITY. REFER TO INSYNC SOFTWARE FOR LOCATIONS OF VIDEO DETECTION ZONES.
4. ALL LUMINAIRES ARE LED CATEGORY D UNLESS OTHERWISE NOTED.
5. TSP TO BE IMPLEMENTED FOR EASTBOUND AND WESTBOUND THROUGH MOVEMENTS.

STRUCTURE NUMBERS

SB2 = S-40-1362
SB5 = S-40-1363
SB8 = S-40-1364
SB11 = S-40-1365

ADD RADAR DETECTION. XX-XX

INITIAL INSTALLATION. 4-13

REVISION

Rev. No.	ADD GPS EVP.			
	APPROVAL RECOMMENDED		APPROVED	
2	REGION		CENTRAL OFFICE	
	Date	By	Date	By

TRAFFIC CONTROL SIGNAL
USH 18 (W. BLUEMOUND ROAD) &
N. 92ND STREET
CITY OF MILWAUKEE
MILWAUKEE COUNTY

CABINET TYPE: TS2
SIGNAL NO. S40-1383 CONTROLLER TYPE: ECONOLITE

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED
Date 4/23/13 DAVID A. BRANTNER, PE
REGION TRAFFIC ENGINEER

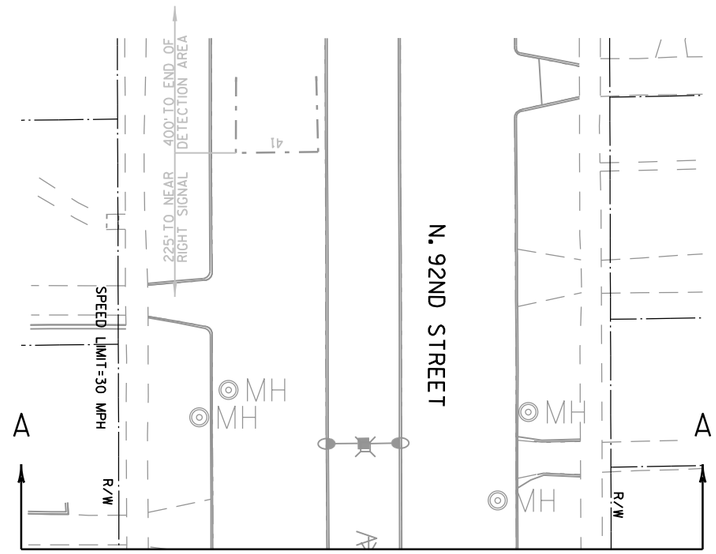
APPROVED
Date 4/23/13 JOANNA L. BUSH
STATE TRAFFIC ENGINEER

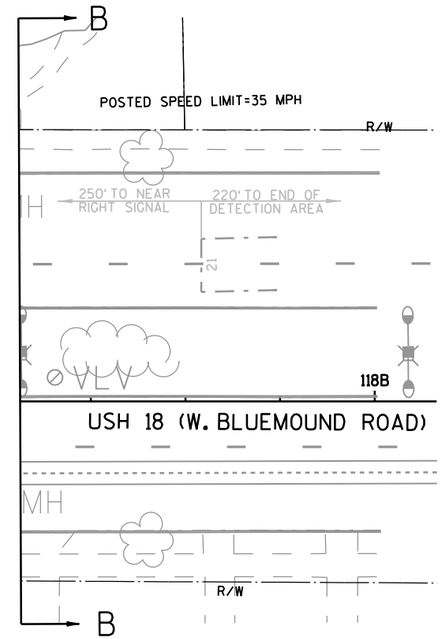
REGION CONTACT: DERRIN WOLFORD
DESIGNED BY: FORWARD 45
REVISED BY: HNTB

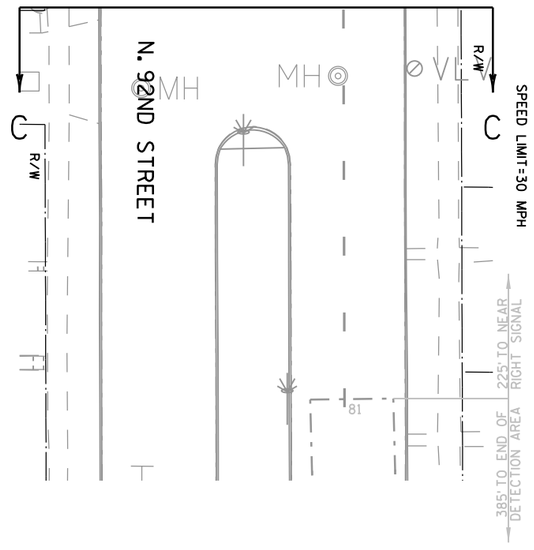
PAGE 1 OF 3

PROJECT NO: 60528491	COUNTY: MILWAUKEE	EAST-WEST BRT	TRAFFIC SIGNAL PLAN	SHEET E

PRE_194







N

TRAFFIC CONTROL SIGNAL
USH 18 (W. BLUEMOUND ROAD) &
N. 92ND STREET
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. S40-1383

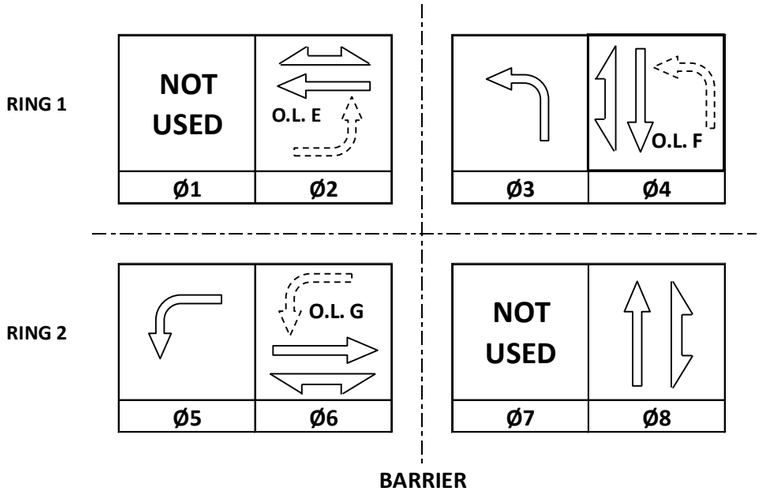
REGION CONTACT: DERRIN WOLFORD
DESIGNED BY: FORWARD 45
REVISED BY: HNTB

PAGE 2 OF 3

PROJECT NO: 60528491	COUNTY: MILWAUKEE	EAST-WEST BRT	TRAFFIC SIGNAL PLAN	SHEET E

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\HNTB\cds\024108a_sp.dgn PLOT DATE : 7/29/2019 11:15:12 AM PLOT BY : jmatson PLOT NAME : PLOT SCALE : 1:40.0007

	HEAD NUMBERS	FLASH
Ø1		
Ø2	6,7,8	R
Ø3	14,15	R ←
Ø4	16,17,18	R
Ø5	9,10	R ←
Ø6	1,2,3	R
Ø7		
Ø8	11,12,13	R
Ø2P	21,22	
Ø4P	19,20	
Ø6P	25,26	
Ø8P	23,24	
OLE	4,5	-
OLF	14,15	-
OLG	9,10	-
OLH		





CONTROLLER LOGIC

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

EMERGENCY VEHICLE PREEMPTION SEQUENCE

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

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

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

TYPE OF COORDINATION	
NONE	
TBC	
TRAFFIC RESPONSIVE	
ADAPTIVE	X
*LOCATION OF MASTER CONTROLLER NO:	S-
SIGNAL SYSTEM NO:	SS- 40-0174

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

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

DETECTOR LOGIC

DETECTOR INPUT	17	19	21	23	25	27	29	31
PLAN LOOP DETECTOR*(S)	22	24	42	51	63	65	83	
CALLED PHASE	2	2	4	5	6	6	8	
CALL OPTION	X	X	X	X	X	X	X	
DELAY TIME	X		X					
EXTENTION OPTION	X	X	X	X	X	X	X	
EXTEND TIME								
USE ADDED INITIAL								
CROSS SWITCH PHASE				6				

49	51	53	55	57	59	61	63	DETECTOR INPUT
21	61							PLAN LOOP DETECTOR*(S)
2	6							CALLED PHASE
								CALL OPTION
								DELAY TIME
X	X							EXTENTION OPTION
X	X							EXTEND TIME
								USE ADDED INITIAL
								CROSS SWITCH PHASE

DETECTOR INPUT	18	20	22	24	26	28	30	32
PLAN LOOP DETECTOR*(S)	23	31	43	62	64	82		
CALLED PHASE	2	3	4	6	6	8		
CALL OPTION	X	X	X	X	X	X		
DELAY TIME				X		X		
EXTENTION OPTION	X	X	X	X	X	X		
EXTEND TIME								
USE ADDED INITIAL								
CROSS SWITCH PHASE		4						

50	52	54	56	58	60	62	64	DETECTOR INPUT
41	81							PLAN LOOP DETECTOR*(S)
4	8							CALLED PHASE
								CALL OPTION
								DELAY TIME
X	X							EXTENTION OPTION
X	X							EXTEND TIME
								USE ADDED INITIAL
								CROSS SWITCH PHASE

GENERAL NOTES:

1. INTERSECTION UTILIZES VIDEO DETECTION CAMERAS FOR INSYNC ADAPTIVE CONTROL. THESE CAMERAS ARE NOT INCLUDED IN THE DETECTOR LOGIC CHART. REFER TO INSYNC PROGRAMMING FOR DETAILS.

USH 18 & N. 92ND STREET
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO:	S40-1383	CABINET TYPE:	TS2-E
		CONTROLLER TYPE:	ECONOLITE
DATE:	07/2019	PAGE NUMBER:	3 OF 3

2

LEGEND

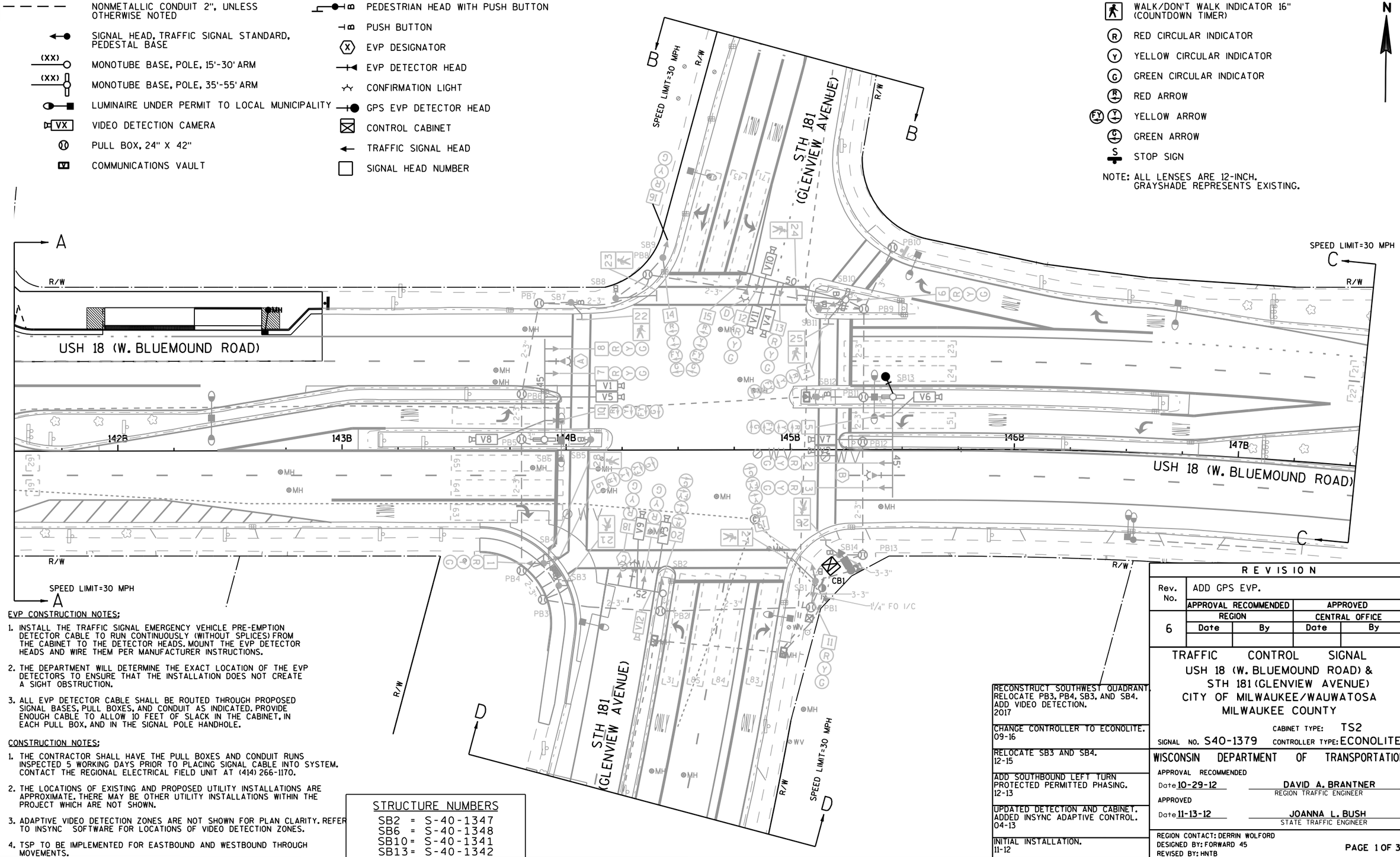
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) MONOTUBE BASE, POLE, 15'-30' ARM
- (XX) MONOTUBE BASE, POLE, 35'-55' ARM
- LUMINAIRE UNDER PERMIT TO LOCAL MUNICIPALITY
- VX VIDEO DETECTION CAMERA
- PULL BOX, 24" X 42"
- COMMUNICATIONS VAULT
- PEDESTRIAN HEAD WITH PUSH BUTTON
- PUSH BUTTON
- EVP DESIGNATOR
- EVP DETECTOR HEAD
- CONFIRMATION LIGHT
- GPS EVP DETECTOR HEAD
- CONTROL CABINET
- TRAFFIC SIGNAL HEAD
- SIGNAL HEAD NUMBER

LEGEND (CON'T)

- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW
- STOP SIGN

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

N



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 PROPOSED 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.

CONSTRUCTION NOTES;

1. THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED 5 WORKING DAYS PRIOR TO PLACING SIGNAL CABLE INTO SYSTEM. CONTACT THE REGIONAL ELECTRICAL FIELD UNIT AT (414) 266-1170.
2. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
3. ADAPTIVE VIDEO DETECTION ZONES ARE NOT SHOWN FOR PLAN CLARITY. REFER TO INSYNC SOFTWARE FOR LOCATIONS OF VIDEO DETECTION ZONES.
4. TSP TO BE IMPLEMENTED FOR EASTBOUND AND WESTBOUND THROUGH MOVEMENTS.

STRUCTURE NUMBERS

SB2 = S-40-1347
SB6 = S-40-1348
SB10 = S-40-1341
SB13 = S-40-1342

RECONSTRUCT SOUTHWEST QUADRANT. RELOCATE PB3, PB4, SB3, AND SB4. ADD VIDEO DETECTION. 2017

CHANGE CONTROLLER TO ECONOLITE. 09-16

RELOCATE SB3 AND SB4. 12-15

ADD SOUTHBOUND LEFT TURN PROTECTED PERMITTED PHASING. 12-13

UPDATED DETECTION AND CABINET. ADDED INSYNC ADAPTIVE CONTROL. 04-13

INITIAL INSTALLATION. 11-12

REVISION

Rev. No.	ADD GPS EVP.			
	APPROVAL RECOMMENDED		APPROVED	
	REGION		CENTRAL OFFICE	
6	Date	By	Date	By

TRAFFIC CONTROL SIGNAL
USH 18 (W. BLUEMOUND ROAD) &
STH 181 (GLENVIEW AVENUE)
CITY OF MILWAUKEE/WAUWATOSA
MILWAUKEE COUNTY

SIGNAL NO. S40-1379
CABINET TYPE: TS2
CONTROLLER TYPE: ECONOLITE

WISCONSIN DEPARTMENT OF TRANSPORTATION

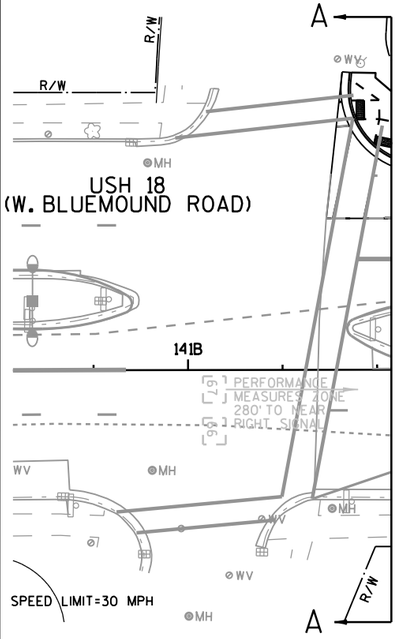
APPROVAL RECOMMENDED
Date 10-29-12 — DAVID A. BRANTNER, REGION TRAFFIC ENGINEER

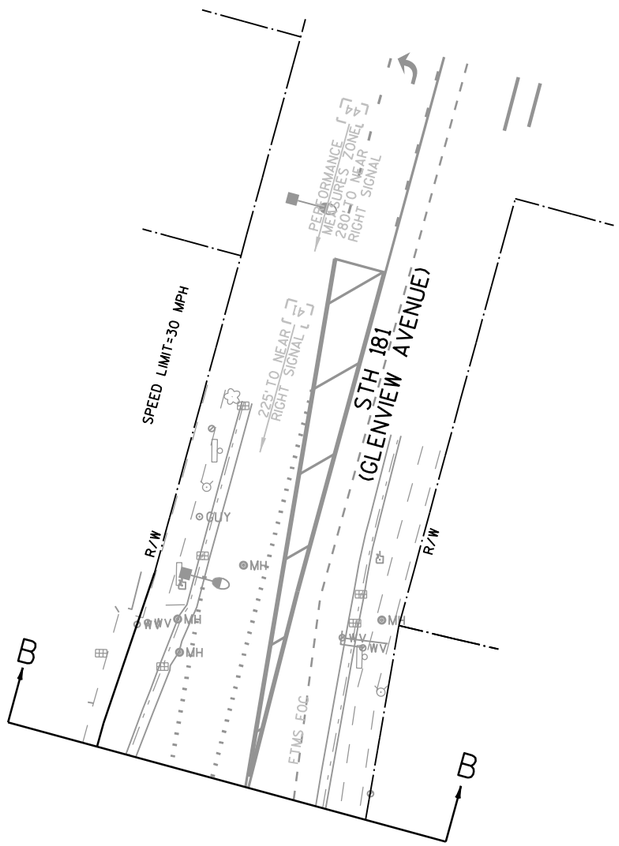
APPROVED
Date 11-13-12 — JOANNA L. BUSH, STATE TRAFFIC ENGINEER

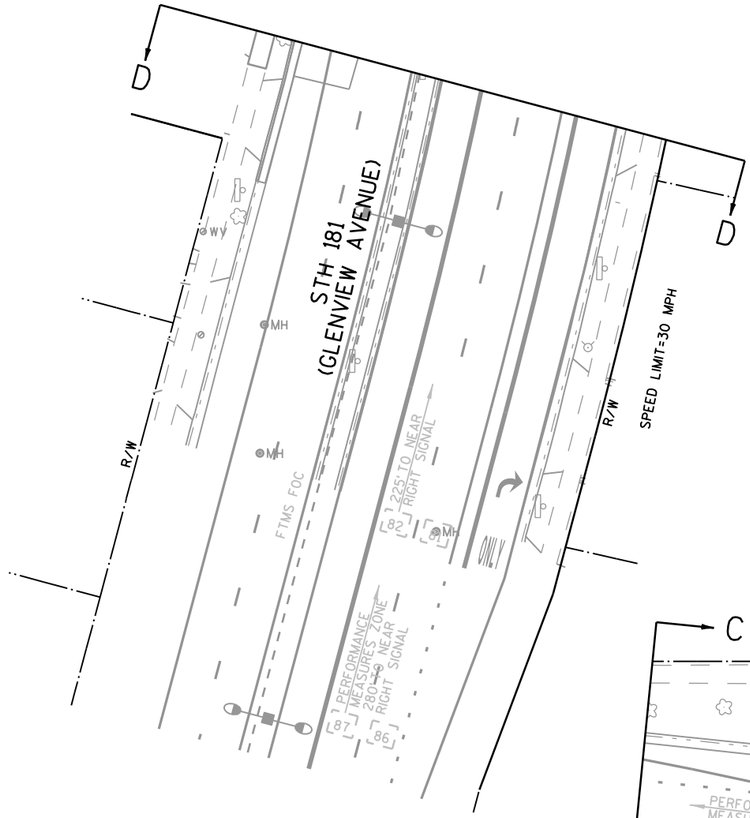
REGION CONTACT: DERRIN WOLFORD
DESIGNED BY: FORWARD 45
REVISED BY: HNTB

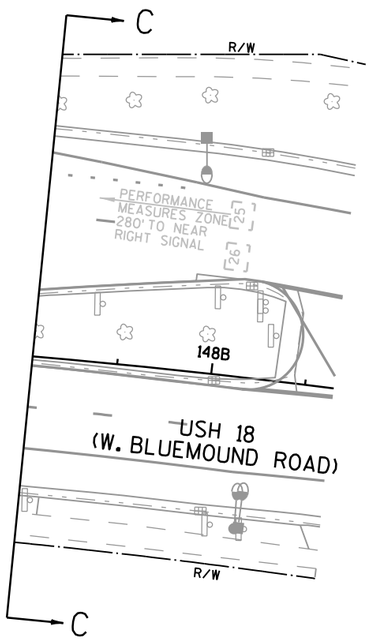
PROJECT NO: 60528491	COUNTY: MILWAUKEE	EAST-WEST BRT	TRAFFIC SIGNAL PLAN	SHEET E

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\HNTB\cds\024109_sp.dgn PLOT DATE : 7/29/2019 11:15:26 AM PLOT BY : jmatson PLOT NAME : PLOT SCALE : 1:40.0379









TRAFFIC CONTROL SIGNAL
USH 18 (W. BLUEMOUND ROAD) &
STH 181 (GLENVIEW AVENUE)
CITY OF MILWAUKEE/WAUWATOSA
MILWAUKEE COUNTY

SIGNAL NO. S40-1379

REGION CONTACT: JOYCE MURPHY
DESIGNED BY: FORWARD 45
REVISED BY:

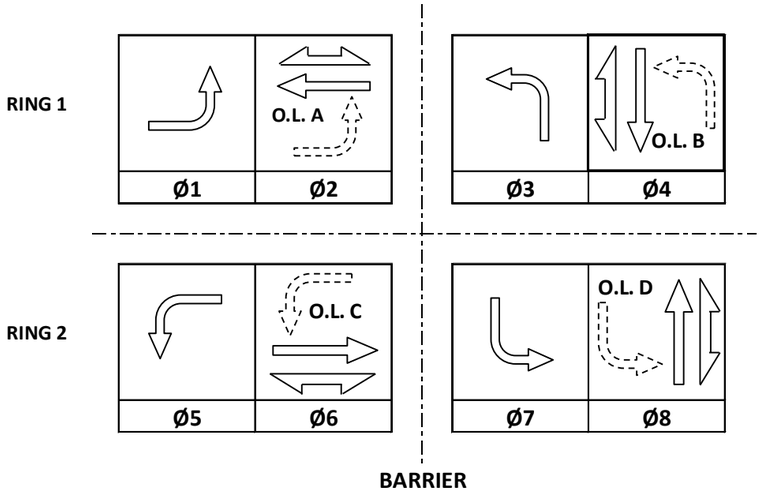
PAGE 2 OF 3

PROJECT NO: 60528491	COUNTY: MILWAUKEE	EAST-WEST BRT	TRAFFIC SIGNAL PLAN	SHEET E

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\HNTB\cds\024109a_sp.dgn PLOT DATE : 7/29/2019 11:15:39 AM PLOT BY : jmatson PLOT NAME : PLOT SCALE : 1:40.0379

WISDOT/CADDS SHEET 42

	HEAD NUMBERS	FLASH
Ø1	4,5	-
Ø2	6,7,8	R
Ø3	14,15	-
Ø4	16,17,18	R
Ø5	9,10	-
Ø6	1,2,3	R
Ø7	19,20	-
Ø8	11,12,13	R
Ø2P	23,24	
Ø4P	21,22	
Ø6P	27,28	
Ø8P	25,26	
OLA	4,5	R ←
OLB	14,15	R ←
OLC	9,10	R ←
OLD	19,20	R ←



CONTROLLER LOGIC

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

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	A	B	C	D
MOVEMENT				
PHASE	2+5	6+1	4+7	8+3

AFTER PREEMPTION SEQUENCE 2+5 OR 6+1, CONTROLLER SHALL RETURN TO PHASES 2+6.
AFTER PREEMPTION SEQUENCE 4+7 OR 8+3, CONTROLLER SHALL RETURN TO PHASES 4+8.

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

TYPE OF COORDINATION	
NONE	
TBC	
TRAFFIC RESPONSIVE	
ADAPTIVE	X
*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	

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

DETECTOR LOGIC

DETECTOR INPUT	1	3	5	7	9	11	13	15	17	19	21	23	25	27	29	31	DETECTOR INPUT
PLAN LOOP DETECTOR*(S)	11	22	24	41	43	61	63	65	81	83	85			26	66	86	PLAN LOOP DETECTOR*(S)
CALLED PHASE	1	2	2	4	4	6	6	6	8	8	8			2	6	8	CALLED PHASE
CALL OPTION	X		X		X		X	X	X	X	X						CALL OPTION
DELAY TIME							X			X							DELAY TIME
EXTENTION OPTION	X	X	X	X	X	X	X	X	X	X	X						EXTENTION OPTION
EXTEND TIME		X		X		X			X								EXTEND TIME
USE ADDED INITIAL																	USE ADDED INITIAL
CROSS SWITCH PHASE	2																CROSS SWITCH PHASE

DETECTOR INPUT	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	DETECTOR INPUT
PLAN LOOP DETECTOR*(S)	21	23	31	42	51	62	64	71	82	84			25	44	67	87	PLAN LOOP DETECTOR*(S)
CALLED PHASE	2	2	3	4	5	6	6	7	8	8			2	4	6	8	CALLED PHASE
CALL OPTION		X	X	X	X		X	X		X							CALL OPTION
DELAY TIME				X													DELAY TIME
EXTENTION OPTION	X	X	X	X	X	X	X	X	X	X							EXTENTION OPTION
EXTEND TIME	X					X			X								EXTEND TIME
USE ADDED INITIAL																	USE ADDED INITIAL
CROSS SWITCH PHASE			4		6			8									CROSS SWITCH PHASE

GENERAL NOTES:

1. INTERSECTION UTILIZES VIDEO DETECTION CAMERAS FOR INSYNC ADAPTIVE CONTROL. THESE CAMERAS ARE NOT INCLUDED IN THE DETECTOR LOGIC CHART. REFER TO INSYNC PROGRAMMING FOR DETAILS.
2. SEE CONTROLLER PROGRAMMING FOR PROTECTED ONLY OPERATION OF PHASE 3 AND PHASE 5.

USH 18 & STH 181
CITY OF MILWAUKEE/WAUWATOSA
MILWAUKEE COUNTY

SIGNAL NO:	S40-1379	CABINET TYPE: TS2-S	
		CONTROLLER TYPE: ECONOLITE	
DATE:	07/2019	PAGE NUMBER: 3 OF 3	

FILE NAME: c:\pwworking\aecom_ds16_na\mat13518\d0335333\TS2-S_FYA_ABCD_Econolite_SEQ.xlsx PLOT DATE: 7/29/2019 PLOT NAME: TS2-S_FYA_ABCD_Econoli PLOT BY: _____ PLOT SCALE: 1:1

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD
- PEDESTRIAN HEAD WITH PUSH BUTTON
- SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- YELLOW ARROW
- GREEN ARROW
- DON'T WALK INDICATOR 12" WALK INDICATOR 12"

NOTE: GRAYSHADE REPRESENTS EXISTING

N

W. BLUEMOUND ROAD

N. 76TH STREET

CITY OF WAUWATOSA

CITY OF MILWAUKEE

A SS 13' 3-1'Ext Push Button

B SS 13' 3-1'Ext

C SS 13' 1'Ext

D SS 13' 3-1'Ext Confirmation Light

DD SS 4' Push Button

E CP Push Button Fire Dept Opticom (721)

F SS 13' 3-1'Ext

G CP PD Block & Rake

H SS 13' 1' Ext

I CP Confirmation Light

II SS 4' Push Button

CONSTRUCTION NOTES;

1. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
2. THE ENGINEER MAY ADJUST THE LOCATIONS OF ITEMS UNDER THIS CONTRACT TO AVOID CONFLICT WITH EXISTING UTILITY FACILITIES.
3. GPS EVP INSTALLED BY CITY OF MILWAUKEE

I-94 CONSTRUCTION 05/97
INST PUSH BUTTON 04/98
2004 OPTICOM PROGRAM 07/03
2007 STATE PAVING 11/06
STATE PROJECT 2984-44-90 01/17
STATE PROJECT 1693-35-93 10/17

TRAFFIC CONTROL SIGNAL
W. BLUEMOUND RD. & N. 76TH ST.
CITIES OF MILWAUKEE & WAUWATOSA
MILWAUKEE COUNTY

SIGNAL NO.

MUNICIPAL CONTACT: JOSEPH BLAKEMAN
DESIGNED BY: TRANSMART/EJM
REVISED BY:

PAGE 1 OF 2

PROJECT NO: 60528491	COUNTY: MILWAUKEE	EAST-WEST BRT	TRAFFIC SIGNAL PLAN	SHEET E

PRE_200

FILE NAME : pw://aecom-na-pw.bentley.com:AECOM_DS16_NA/Documents/60528491-MKE BRT/900-CAD GIS/Transmart/Sheets/Bluemound and 76th.dgn PLOT DATE : 7/30/2019 PLOT BY : dbriones PLOT NAME : PLOT SCALE : 20.0000 sf / in.

WISDOT/CADDS SHEET 42

2

W. BLUEMOUND RD. & N. 76TH ST.

2

CALL OUT	CONDUIT CONTENTS
1	20 #14 LTP CC TO I
	LEAD IN CABLE (PROBE) TO EB LOOPS
2	LEAD IN CABLE (PROBE) TO EB LOOPS
3	9 #14 LTP I TO II
4	17 #14 LTP I TO H
5	9 #14 INTER. BLUEMOUND & 76TH TO O'CONNOR & 68TH
6	17 #14 LTP CC TO G
	9 #14 INTER. BLUEMOUND & 76TH TO O'CONNOR & 68TH
	LEAD IN CABLE (PROBE) TO NB LOOPS
7	17 #14 LTP E TO F
	17 #14 LTP CC TO G
	9 #14 INTER. BLUEMOUND & 76TH TO O'CONNOR & 68TH
	LEAD IN CABLE (PROBE) TO NB LOOPS
8	OPTICOM GPS RECEIVER UNIT
9	20 #14 LTP CC TO E
	17 #14 LTP CC TO G
	9 #14 INTER. BLUEMOUND & 76TH TO O'CONNOR & 68TH
	LEAD IN CABLE (PROBE) TO NB LOOPS
	LEAD IN CABLE (PROBE) CC TO OPTICOM E
	OPTICOM 1070 GPS CABLE
10	LEAD IN CABLE (PROBE) TO WB LOOPS
11	17 #14 LTP CC TO D
	LEAD IN CABLE (PROBE) TO WB LOOPS
12	OPTICOM PHASE SELECTOR CARD 4 CHANNEL
13	17 #14 LTP CC TO C
	7 #14 LTP INTER. BLUEMOUND & 76TH TO WISCONSIN & 76TH (CITY OF WAUWATOSA)
14	MAG. CABLE CC TO DD
15	7 #14 LTP INTER. BLUEMOUND & 76TH TO WISCONSIN & 76TH (CITY OF WAUWATOSA)
16	20 #14 LTP CC TO I
	LEAD IN CABLE (PROBE) TO EB LOOPS
	3 #4/1 #8 LTP SERV. TO CC
	20 #14 LTP CC TO B
17	20 #14 LTP CC TO I
	LEAD IN CABLE (PROBE) TO EB LOOPS
	3 #4/1 #8 LTP SERV. TO CC
	17 #14 LTP B TO A
18	3 #4/1 #8 LTP SERV. TO CC

NOTE: ALL ITEMS IN **BOLD** TEXT TO BE INSTALLED

SHEET 2 OF 2

PROJECT NO: 60528491	COUNTY: MILWAUKEE	EAST-WEST BRT	TRAFFIC SIGNAL PLAN	SHEET: PRE_201

FILE NAME : pw://aecom-na-pw.bentley.com:AECOM_DS16_NA/Documents/60528491-MKE BRT/900-CAD GIS/Transmart/Sheets/Bluemound76th_Conduit Table PLOT DATE : 7/30/2019 PLOT BY : dbriones PLOT NAME : PLOT SCALE : 20.0000 sf / in.

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT OTHERWISE NOTED
- MICROWAVE DETECTION AREA
- MX — MICROWAVE DETECTOR
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD
- (XX) — MONOTUBE BASE, POLE, 15'-30' ARM
- PEDESTRIAN HEAD WITH PUSH BUTTON
- PUSH BUTTON
- CONFIRMATION LIGHT
- CITY OF MILWAUKEE VAULT OR PULL BOX
- SIGNAL HEAD NUMBER
- (R) — RED CIRCULAR INDICATOR
- (Y) — YELLOW CIRCULAR INDICATOR
- (G) — GREEN CIRCULAR INDICATOR
- (Y) — YELLOW ARROW
- (G) — GREEN ARROW
- DON'T WALK INDICATOR 12" / WALK INDICATOR 12"
- EVP DETECTOR HEAD

NOTE: GRAYSHADE REPRESENTS EXISTING

USH 18 (W. BLUEMOUND ROAD)

N. 68TH STREET

CB1 PB1 PB2 PB3 PB4 PB5 PB6 PB7 PB8

SB1 SB2 SB3 SB4 SB5 SB6 SB7 SB8 SB9

M1 M2 M3 M4

CONSTRUCTION NOTES:

1. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
2. THE ENGINEER MAY ADJUST THE LOCATIONS OF ITEMS UNDER THIS CONTRACT TO AVOID CONFLICT WITH EXISTING UTILITY FACILITIES.
3. GPS EVP INSTALLED BY CITY OF MILWAUKEE

TRAFFIC CONTROL SIGNAL
USH 18 (W. BLUEMOUND ROAD) &
N. 68TH STREET
CITIES OF MILWAUKEE & WAUWATOSA
MILWAUKEE COUNTY

SIGNAL NO.

MUNICIPAL CONTACT: JOSEPH BLAKEMAN
DESIGNED BY: TRANSMART/EJM
REVISED BY:

PAGE 1 OF 2

PROJECT NO: 60528491	COUNTY: MILWAUKEE	EAST-WEST BRT	TRAFFIC SIGNAL PLAN	SHEET E

FILE NAME : pw://aecom-na-pw.bentley.com:AECOM_DS16_NA/Documents/60528491-MKE BRT/900-CAD GIS/Transmart/Sheets/Bluemound and 68th.dgn PLOT DATE : 7/30/2019 PLOT BY : ggedemer PLOT NAME : PLOT SCALE : 20:0.0005 ':" / in.

PRE_202

WISDOT/CADDS SHEET 42

USH 18 (W. BLUEMOUND RD.) & N. 68TH ST.

2

CALL OUT	CONDUIT CONTENTS
1	OPTICOM 1070 GPS CABLE
2	OPTICOM GPS RECEIVER UNIT
3	OPTICOM PHASE SELECTOR CARD 4 CHANNEL

NOTE: ALL ITEMS IN **BOLD** TEXT TO BE INSTALLED

PROJECT NO: 60528491	COUNTY: MILWAUKEE	EAST-WEST BRT	TRAFFIC SIGNAL PLAN	SHEET: PRE_203

FILE NAME : pw://aecom-na-pw.bentley.com:AECOM_DS16_NA/Documents/60528491-MKE BRT/900-CAD GIS/Transmart/Sheets/Bluemound68th_Conduit Table PLOT DATE : 7/30/2019 PLOT BY : dbriones PLOT NAME : PLOT SCALE : 20.0000 sf / in.

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD
- PEDESTRIAN HEAD WITH PUSH BUTTON
- SIGNAL HEAD NUMBER

NOTE: GRAYSHADE REPRESENTS EXISTING

- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- YELLOW ARROW
- GREEN ARROW
- DON'T WALK INDICATOR 12"
  WALK INDICATOR 12"

W. BLUEMOUND ROAD

N. HAWLEY ROAD

A CP APS Push Button Station Police Man Adv Unit

B SS 13' 1' Ext APS Push Button Station

C CP APS Push Button Station

D SS 13' Pedestal Base APS Push Button Station

E CP APS Push Button Station

J SS 13' 1' Ext APS Push Button Station

K CP Confirmation Light

KK SS 5' APS Push Button Station

HH SS 5' APS Push Button Station At Mark

H SS 13' 24" Saddle

G CP AT 31 Fire Dept Opticom (721)

GG SS 5' APS Push Button Station

M AP

BUS

N

Service Routing for Bluemound & Hawley 1"=20'

N Hawley Rd

Alley

W. Blue Mound Rd

CONSTRUCTION NOTES:

1. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
2. THE ENGINEER MAY ADJUST THE LOCATIONS OF ITEMS UNDER THIS CONTRACT TO AVOID CONFLICT WITH EXISTING UTILITY FACILITIES.
3. GPS EVP INSTALLED BY CITY OF MILWAUKEE

STATE PAVING 1999 05/99
STATE PAVING 2004 01/04
AUDIBLE PED SIGNALS 11/05
APS PUSH BUTTON 04/11
COUNTDOWN GRANT #6 06/12
STATE PROJECT 2984-44-90 01/17
STATE PROJECT 1693-35-93 10/17

TRAFFIC CONTROL SIGNAL
W. BLUEMOUND RD. & N. HAWLEY RD.
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO.

MUNICIPAL CONTACT: JOSEPH BLAKEMAN
DESIGNED BY: TRANSMART/EJM
REVISED BY:

PAGE 1 OF 2

PROJECT NO: 60528491	COUNTY: MILWAUKEE	EAST-WEST BRT	TRAFFIC SIGNAL PLAN	SHEET E

PRE_204

FILE NAME : pw://aecom-na-pw.bentley.com:AECOM_DS16_NA/Documents/60528491-MKE BRT/900-CAD GIS/Transmart/Sheets/Bluemound and Hawley.dgn PLOT DATE : 7/30/2019 PLOT BY : dbriones PLOT NAME : PLOT SCALE : 20.0000 sf / in.

WISDOT/CADDS SHEET 42

W. BLUEMOUND RD. & N. HAWLEY RD.

2

CALL OUT	CONDUIT CONTENTS
1	17 #14 LTP CC TO C
	17 #14 AWG CC TO D
	3 #4/1 #8 LTP SERV.
2	17 #14 LTP CC TO C
	20 #14 LTP CC TO E
	17 #14 AWG C.C. TO D
	3 #4/1 #8 LTP SERV.
3	OPTICOM 1070 GPS CABLE
	9 #14 AWG G TO GG
	17 #14 LTP CC TO G
	LEAD IN CABLE (PROBE) CC TO G-OPTICOM
4	OPTICOM GPS RECEIVER UNIT
5	OPTICOM 1070 GPS CABLE
	20 #14 LTP CC TO C
	17 #14 AWG CC TO D
	20 #14 LTP CC TO E
	17 #14 LTP CC TO E
	LEAD IN CABLE (PROBE) CC TO WBLT LOOPS
	9 #14 LTP INTER. TO BLUEMOUND: GEN. MITCHELL BLVD. & 52ND ST.
	LEAD IN CABLE (PROBE) CC TO G-OPTICOM
	3 #4/1 #8 LTP SERV.
6	9 #14 AWG H TO HH
7	9 #14 LTP CC TO H
8	20 #14 LTP CC TO A
	20 #14 LTP CC TO K
	3 #4/1 # 8 LTP (SERV.)
	9 #14 LTP INTER. TO HAWLEY & WISCONSIN
	9 #14 LTP INTER. TO HAWLEY & FREEWAY RAMPS
9	9 #14 LTP INTER. TO HAWLEY & FREEWAY RAMPS
10	9 #14 AWG I TO II O.O.S.
11	17 #14 AWG C.C. TO J
12	17 #14 LTP CC TO I
	LEAD IN CABLE (PROBE) CC TO NBLT LOOPS
	LEAD IN CABLE (PROBE) CC TO EBLT LOOPS
	17 #14 AWG C.C. TO J

CALL OUT	CONDUIT CONTENTS
13	OPTICOM 1070 GPS CABLE
	LEAD IN CABLE (PROBE) CC TO G-OPTICOM
	LEAB IN CABLE (PROBE) CC TO NBLT LOOPS
	LEAD IN CABLE (PROBE) CC TO EBLT LOOPS
	LEAD IN CABLE (PROBE) CC TO WBLT LOOPS
	9 #14 LTP INTER. TO HAWLEY & WISCONSIN
	9 #14 LTP INTER. TO HAWLEY & FREEWAY RAMPS
	9 #14 LTP INTER. TO BLUEMOUND: GEN. MITCHELL BLVD. & 52ND ST.
	20 #14 LTP CC TO A
	17 #14 LTP CC TO C
	17 #14 AWG CC TO D
	20 #14 LTP CC TO E
	17 #14 LTP CC TO G
	9 #14 LTP CC TO H
	17 #14 LTP CC TO I
	17 #14 AWG CC TO J
	20 #14 LTP CC TO K
	3 #4/1 #8 LTP (SERV.)
14	OPTICOM PHASE SELECTOR CARD 4 CHANNEL
15	9 #14 LTP INTER. TO HAWLEY & FREEWAY RAMPS
16	20 #14 LTP CC TO A
	20 #14 LTP CC TO K
	LEAD IN CABLE (PROBE) CC TO EBLT LOOPS
17	20 #14 LTP CC TO K
	LEAD IN CABLE (PROBE) CC TO EBLT LOOPS
	9 #14 LTP K TO KK
18	LEAD IN CABLE (PROBE) CC TO EBLT LOOPS
19	20 #14 LTP CC TO A
20	9 #14 LTP INTER. TO HAWLEY & WISCONSIN
21	17 #14 LTP AA TO B
22	17 #14 LTP CC TO C
23	9 #14 LTP INTER. TO HAWLEY & WISCONSIN
24	3 #4/1 #8 LTP (SERV.)
25	LEAD IN CABLE (PROBE) CC TO WBLT LOOPS
	9 #14 LTP INTER. TO BLUEMOUND: GEN. MITCHELL BLVD. & 52ND ST.
26	3 #4/1 #8 LTP (SERV.)
27	3 #4/1 #8 LTP (SERV.)

NOTE: ALL ITEMS IN **BOLD** TEXT TO BE INSTALLED

PROJECT NO: 60528491	COUNTY: MILWAUKEE	EAST-WEST BRT	TRAFFIC SIGNAL PLAN	SHEET: PRE_205

FILE NAME : pw://aecom-na-pw.bentley.com:AECOM_DS16_NA/Documents/60528491-MKE BRT/900-CAD GIS/Transmart/Sheets/BluemoundHawley_Conduit Table PLOT DATE : 7/30/2019 PLOT BY : dbriones PLOT NAME : PLOT SCALE : 20.0000 sf / in.

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD
- (XX) SIGNAL HEAD, TRAFFIC SIGNAL POLE, TRANSFORMER BASE
- PEDESTRIAN HEAD WITH PUSH BUTTON
- SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- CITY OF MILWAUKEE VAULT OR PULL BOX
- YELLOW ARROW
- GREEN ARROW
- DON'T WALK INDICATOR 12" WALK INDICATOR 12"

NOTE: GRAYSHADE REPRESENTS EXISTING

N. HAWLEY STREET

W. WISCONSIN AVENUE

CITY OF MILWAUKEE

CITY OF WAUWATOSA

CITY OF WAUWATOSA

CITY OF MILWAUKEE

A SS 13' 1' EXT APS Push Button Station

B CP APS Push Button Station

C CP AT26 APS Push Button Station

D SS 13' APS Push Button Station

E AP Bolt Down

EE SS 6' APS Push Button Station

F CP AT 26

FF SS 6' APS Push Button Station

G SS 13' 1' EXT APS Push Button Station

H CP AT26 APS Push Button Station

I SS 13' 1' EXT APS Push Button Station

COIL OPTICOM CABLE

BUS ONLY

BUS ONLY

N

CONSTRUCTION NOTES:

1. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
2. THE ENGINEER MAY ADJUST THE LOCATIONS OF ITEMS UNDER THIS CONTRACT TO AVOID CONFLICT WITH EXISTING UTILITY FACILITIES.
3. GPS EVP INSTALLED BY CITY OF MILWAUKEE

ADDITIONAL SB SIGNAL 11/07

APS PUSH BUTTON 04/11

TRAFFIC CONTROL SIGNAL
N. HAWLEY RD. & W. WISCONSIN AVE.
CITIES OF MILWAUKEE & WAUWATOSA
MILWAUKEE COUNTY

SIGNAL NO.

MUNICIPAL CONTACT: JOSEPH BLAKEMAN
DESIGNED BY: TRANSMART/EJM
REVISED BY:

PAGE 1 OF 2

PROJECT NO: 60528491	COUNTY: MILWAUKEE	EAST-WEST BRT	TRAFFIC SIGNAL PLAN	SHEET E

PRE_206

FILE NAME : pw://aecom-na-pw.bentley.com:AECOM_DS16_NA/Documents/60528491-MKE BRT/900-CAD GIS/Transmart/Sheets/Hawley and Wisconsin.dgn PLOT DATE : 7/30/2019 PLOT BY : ggedemer PLOT NAME : PLOT SCALE : 20.0000 sf / in.

WISDOT/CADDS SHEET 42

2

N. HAWLEY RD. &
W. WISCONSIN AVE.

2

CALL OUT	CONDUIT CONTENTS
1	17 #14 AWG C.C. TO I
2	20 #14 AWG C.C. TO A
3	17 #14 LTP CC TO B
	20 #14 AWG C.C. TO A
4	9 #14 LTP D TO C
5	17 #14 LTP CC TO D
6	20 #14 AWG C.C. TO A
	17 #14 LTP CC TO B
7	4 #14 LTP CC TO EE
8	**OPTICOM 1070 GPS CABLE**
	12 #14 LTP CC TO E
9	9 #14 LTP INTER. TO W. WISCONSIN & N. 46TH ST.
	3 #4 LL SERVICE FROM WJ SUB STATION
10	20 #14 AWG C.C. TO F
	17 #14 AWG C.C. TO I
	OPTICOM CABLE C.C. TO H (FUTURE)
11	6 #14 LTP F TO FF
12	12 #14 LTP F TO G
13	8 #14L NEO. TO W. BLUEMOUND & N. HAWLEY
	9 #14 LTP INTER. TO W. BLUEMOUND & N. HAWLEY
14	17 #14 LTP CC TO H
15	16 # 14 AWG C.C. TO I
	OPTICOM CABLE C.C. TO H (FUTURE)
16	17 #14 LTP CC TO H
	8 #14L NEO. TO W. BLUEMOUND & N. HAWLEY
	9 #14 LTP INTER. TO W. BLUEMOUND & N. HAWLEY
17	9 #14 LTP INTER. TO N. HAWLEY & W. WELLS
	3 #4 LTP SERIVCE TO N. HAWLEY & W. WELLS
18	9 #14 LTP INTER. TO N. HAWLEY & W. WELLS
	3 #4 LTP SERIVCE TO N. HAWLEY & W. WELLS
19	9 #14 LTP INTER. TO N. HAWLEY & W. WELLS
	3 #4 LTP SERIVCE TO N. HAWLEY & W. WELLS
20	17 #14 AWG C.C. TO I
	OPTICOM CABLE C.C. TO H (FUTURE)
21	**OPTICOM PHASE SELECTOR CARD 4 CHANNEL**
22	**OPTICOM GPS RECIEVER UNIT**

NOTE: ALL ITEMS IN **BOLD**
TEXT TO BE INSTALLED

PROJECT NO: 60528491	COUNTY: MILWAUKEE	EAST-WEST BRT	TRAFFIC SIGNAL PLAN	SHEET: PRE_207

FILE NAME : pw://aecom-na-pw.bentley.com:AECOM_DS16_NA/Documents/60528491-MKE BRT/900-CAD GIS/Transmart/Sheets/WiscHawley_Conduit Table PLOT DATE : 7/30/2019 PLOT BY : dbriones PLOT NAME : PLOT SCALE : 20.0000 sf / in.

LEGEND

SOLAR POWERED RECTANGULAR RAPID FLASHING BEACON (RRFB) WITH PEDESTRIAN WARNING SIGN (W11-2) AND DOWN ARROW PLAQUE (W16-7P)

PEDESTRIAN PUSH BUTTON

W11-2
30" X 30"

W16-7P
24" X 12"

N

ONLY

BUS

W. WISCONSIN AVENUE

N. 53RD STREET

CONSTRUCTION NOTES:

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

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

TRAFFIC CONTROL SIGNAL
W. WISCONSIN AVE. & N. 53RD ST.
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO.

MUNICIPAL CONTACT: JOSEPH BLAKEMAN
DESIGNED BY: TRANSMART/EJM
REVISED BY:

PAGE 1 OF 1

PROJECT NO: 60528491	COUNTY: MILWAUKEE	EAST-WEST BRT	TRAFFIC SIGNAL PLAN	SHEET E

PRE_208

FILE NAME : pw://aecom-na-pw.bentley.com:AECOM_DS16_NA/Documents/60528491-MKE BRT/900-CAD GIS/Transmart/Sheets/Wisconsin and 52nd.dgn PLOT DATE : 7/30/2019 PLOT BY : dbriones PLOT NAME : PLOT SCALE : 20.0000 sf / in.

WISDOT/CADDS SHEET 42

2

N

W. WISCONSIN AVENUE

N. 46TH STREET

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD
- (XX) SIGNAL HEAD, TRAFFIC SIGNAL POLE, TRANSFORMER BASE
- PEDESTRIAN HEAD WITH PUSH BUTTON
- PEDESTRIAN HEAD
- CITY OF MILWAUKEE VAULT OR PULL BOX
- SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- YELLOW ARROW
- GREEN ARROW
- DON'T WALK INDICATOR 12" WALK INDICATOR 12"

NOTE: GRAYSHADE REPRESENTS EXISTING

A SP TYPE 10 SPECIAL BASE TYPE 12 SPECIAL POLE Fire Dept EVP (711) CONFIRMATION LIGHT

B SS 14'

C SS 14' 10' N.O.C.

D SS 14' 15' E.O.C.:BACK OF WALK

E SP TYPE 9 POLE Fire Dept EVP (711) CONFIRMATION LIGHT

F SS 14' 3' E. OF C.P.

G CP AT31R 3' s. OF Existing Fire Dept EVP (711) CONFIRMATION LIGHT

H SS 14' 2' s. OF Existing PUSHBUTTON

AA SS 5' PUSHBUTTON AT WALK

CP PUSH BUTTON

SS 14' 3' B. OF WALK 3' B.O.C.

ONLY BUS

BUS ONLY

SEE DETAIL "A"

W. Wisconsin Ave.

DETAIL "A"

35' W.P. SERVICE POLE
3#6 AL Triplex Service
DOT STREET LIGHT WOOD POLE OWNER UNKNOWN
WE ENERGIES WOOD POLE 69-1214 (SERVICE)
On Ramp

SCALE, FEET
0 40

CONSTRUCTION NOTES:

1. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
2. THE ENGINEER MAY ADJUST THE LOCATIONS OF ITEMS UNDER THIS CONTRACT TO AVOID CONFLICT WITH EXISTING UTILITY FACILITIES.
3. GPS EVP INSTALLED BY CITY OF MILWAUKEE

COUNTDOWN GRANT #6 06/12
BRIDGE RECONSTRUCTION 12/13
STATE PROJECT 1350-09-90 10/15

TRAFFIC CONTROL SIGNAL
W. WISCONSIN AVE. & N. 46TH ST.
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO.

MUNICIPAL CONTACT: JOSEPH BLAKEMAN
DESIGNED BY: TRANSMART/EJM
REVISED BY:

PROJECT NO: 60528491	COUNTY: MILWAUKEE	EAST-WEST BRT	TRAFFIC SIGNAL PLAN	SHEET E

FILE NAME : pw://aecom-na-pw.bentley.com:AECOM_DS16_NA/Documents/60528491-MKE BRT/900-CAD GIS/Transmart/Sheets/Wisconsin and 46th.dgn PLOT DATE : 7/30/2019 PLOT BY : ggedemer PLOT NAME : PLOT SCALE : 20.0000 sf / in.

W. WISCONSIN AVE. & N. 46TH ST.

2

CALL OUT	CONDUIT CONTENTS
1	3 #4/1 #8 LTP (SERVICE)
	12-14 AWG C.C. TO F
	20-14 AWG C.C. TO H
	EVP CABLE C.C. TO G
2	3 #4/1 #8 LTP (SERVICE)
	12-14 AWG C.C. TO F
	20-14 AWG C.C. TO H
	EVP CABLE C.C. TO G
	12-14 AWG C.C. TO I
	(2) 9-14 AWG INTER. EAST AND WEST
3	**OPTICOM 1070 GPS CABLE**
	17-14 AWG C.C. TO A
	EVP CABLE C.C. TO A
4	12 #14 LTP C.C. TO B
5	12-14 AWG C.C. TO C
	12-14 AWG C.C. TO D
6	12 #14 LTP C.C. TO AA
7	12-14 AWG C.C. TO C
	12-14 AWG C.C. TO D
8	9-14 AWG INTER. EAST
9	12-14 AWG C.C. TO F
10	3 #4/1 #8 LTP (SERVICE)
11	12-14 AWG C.C. TO F
12	3 #4/1 #8 LTP (SERVICE)
	12-14 AWG C.C. TO F
	17-14 AWG H TO G
	EVP CABLE C.C. TO G
13	12-14 AWG C.C TO I
14	LEAD IN CABLE I TO II
15	17-14 AWG C.C. TO E
	EVP CABLE C.C. TO E
	9-14 AWG. INTER. EAST
16	9 #14 LTP INTER. C.C. TO SPLICE IN M.H. TO HAWLEY & WISCONSIN
17	**OPTICOM PHASE SELECTOR CARD 4 CHANNEL**
18	**OPTICOM GPS RECEIVER UNIT**

NOTE: ALL ITEMS IN **BOLD** TEXT TO BE INSTALLED

PROJECT NO: 60528491	COUNTY: MILWAUKEE	EAST-WEST BRT	TRAFFIC SIGNAL PLAN	SHEET: PRE_210

FILE NAME : pw://aecom-na-pw.bentley.com:AECOM_DS16_NA/Documents/60528491-MKE BRT/900-CAD GIS/Transmart/Sheets/Wisc46th_Conduit Table PLOT DATE : 7/30/2019 PLOT BY : dbriones PLOT NAME : PLOT SCALE : 20.0000 sf / in.

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD
- (XX) SIGNAL HEAD, TRAFFIC SIGNAL POLE, TRANSFORMER BASE
- PEDESTRIAN HEAD WITH PUSH BUTTON
- PEDESTRIAN HEAD
- CITY OF MILWAUKEE VAULT OR PULL BOX
- SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- YELLOW ARROW
- GREEN ARROW
- DON'T WALK INDICATOR 12"
  WALK INDICATOR 12"

NOTE: GRAYSHADE REPRESENTS EXISTING

N

W. WISCONSIN AVENUE

A SS 13' 1'EXT PUSHBUTTON

B SS 13'

D CP

E SS 13' 1'EXT

F CP AT31R CONFIRMATION LIGHT MICROWAVE DETECTION UNIT

L CP AT31 PUSHBUTTON CONFIRMATION LIGHT

K SS 13' PUSHBUTTON

J SS 13'

I CP AT31 FIRE DEPT OPTICOM (711) CONFIRMATION LIGHT

G CP AT31R FIRE DEPT OPTICOM (711) FIRE DEPT OPTICOM (711)

H SS 13' 1'EXT

M CP FIRE DEPT OPTICOM (711)

DETAIL "A"

0 40 80

N. 45TH ST.

N. 45TH STREET

W. BLUEMOUND RD.

SEE DETAIL "A"

ONLY BUS

CONSTRUCTION NOTES:

1. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
2. THE ENGINEER MAY ADJUST THE LOCATIONS OF ITEMS UNDER THIS CONTRACT TO AVOID CONFLICT WITH EXISTING UTILITY FACILITIES.
3. GPS EVP INSTALLED BY CITY OF MILWAUKEE

INSTALL SIGNAL AT DRIVEWAY 03/99
2004 OPTICOM PROGRAM 07/03
COUNTDOWN GRANT #6 06/12
INSTALL E/B PTOTECTED LT 07/13
STATE PROJECT 1350-09-90 10/15
STATE PROJECT 2984-44-90 01/17
STATE PROJECT 1693-35-93 10/17

TRAFFIC CONTROL SIGNAL
W. WISCONSIN AVE. & N. 45TH ST.
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO.

MUNICIPAL CONTACT: JOSEPH BLAKEMAN
DESIGNED BY: TRANSMART/EJM
REVISED BY:

PAGE 1 OF 2

PROJECT NO: 60528491	COUNTY: MILWAUKEE	EAST-WEST BRT	TRAFFIC SIGNAL PLAN	SHEET E

PRE_211

FILE NAME : pw://aecom-na-pw.bentley.com:AECOM_DS16_NA/Documents/60528491-MKE BRT/900-CAD GIS/Transmart/Sheets/Wisconsin and 45th.dgn PLOT DATE : 7/30/2019 PLOT BY : ggedemer PLOT NAME : PLOT SCALE : 20.0000 sf / in.

WISDOT/CADDS SHEET 42

W. WISCONSIN AVE. & N. 45TH ST.

2

CALL OUT	CONDUIT CONTENTS
1	**12 #14 LTP CC TO A**
	9 #14 LTP A TO B
2	**9 #14 LTP A TO B**
	LEAD IN CABLE (LOOP) TO SB LOOPS
3	12 #14 LTP CC TO E
	9 #14 LTP E TO D
4	MICROWAVE DET. CABLE CC TO SBF
	12-14 LTP CC TO F
	20-14 AWD CC TO F
5	20-14 AWG CC TO F
	17 #14 LTP CC TO G
	(2) OPTICOM CABLE C.C. TO G
	MICROWAVE DET. CABLE CC TO F
6	OPTICOM 1070 GPS CABLE
	OPTICOM LEAD IN CC TO M
	OPTICOM LEAD IN CC TO I
	9 #14 LTP INTER CC TO SPLICE IN MN#1 NOT IN SERVICE
	3 #4/1 #8 SERV. TO MH#3 (SPARE)
	12 #14 LTP CC TO A
	12 #14 LTP CC TO E
	20 #14 LTP CC TO I
	17 #14 LTP CC TO J
	17 #14 LTP CC TO K
	17 #14 LTP CC TO L
	LEAD IN CABLE (LOOP) TO SB LOOPS
7	MICROWAVE DET. CABLE CC TO F
	20-14 AWG CC TO F
	17 #14 LTP CC TO G
	(2) OPTICOM CABLE C.C. TO G
	9 #14 LTP CC TO H
8	3 #4/1 #8 LTP SERV. TO CC
9	OPTICOM PHASE SELECTOR CARD 4 CHANNEL
10	LEAD IN CABLE (PROBE) CC TO OPTICOM SBM

CALL OUT	CONDUIT CONTENTS
11	**17 #14 LTP CC TO J**
	17 #14 LTP CC TO K
	17 #14 LTP CC TO L
12	**17 #14 LTP CC TO L**
13	12 #14 LTP CC TO A
	LEAD IN CABLE (LOOP) TO SB LOOPS
14	**12 #14 LTP CC TO A**
	12 #14 LTP CC TO E
	LEAD IN CABLE (LOOP) TO SB LOOPS
15	3 #4/1 #8 LTP SERV. (SPARE) ENDS HERES IN MH#3
16	20 #14 LTP CC TO I
	17 #14 LTP CC TO J
	17 #14 LTP CC TO K
	17 #14 LTP CC TO L
	LEAD IN CABLE (PROBE) CC TO OPTICOM I
17	OPTICOM 1070 GPS CABLE
	LEAD IN CABLE (PROBE) CC TO OPTICOM M
18	OPTICOM GPS RECEIVER UNIT
19	3 #4/1 #8 LTP SERV. TO MH#3 (SPARE)
	12 #14 LTP CC TO A
	12 #14 LTP CC TO E
	LEAD IN CABLE (LOOP) TO SB LOOPS
20	3 #4/1 #8 LTP SERV. (SPARE) TO MH#3
	12 #14 LTP CC TO A
	12 #14 LTP CC TO E
	LEAD IN CABLE (LOOP) TO SB LOOPS

NOTE: ALL ITEMS IN **BOLD** TEXT TO BE INSTALLED

PROJECT NO: 60528491	COUNTY: MILWAUKEE	EAST-WEST BRT	TRAFFIC SIGNAL PLAN	SHEET: PRE_212

FILE NAME : pw://aecom-na-pw.bentley.com:AECOM_DS16_NA/Documents/60528491-MKE BRT/900-CAD GIS/Transmart/Sheets/Wisc45th_Conduit Table PLOT DATE : 7/30/2019 PLOT BY : dbriones PLOT NAME : PLOT SCALE : 20.0000 sf / in.

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- CITY UNDERGROUND CONDUIT
- CITY UNDERGROUND CONDUIT CONTAINING TRAFFIC SIGNAL CABLE/WIRE
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD
- (XX) MONOTUBE BASE, POLE, 15'-30' ARM
- PEDESTRIAN HEAD
- CITY OF MILWAUKEE LIGHTING LUMINAIRE

LEGEND (CON'T)

- SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- FY Y YELLOW ARROW
- G GREEN ARROW
- EVP DETECTOR HEAD
- CONFIRMATION LIGHT
- WALK/DON'T WALK INDICATOR 12" (COUNTDOWN TIMER)
- TRAFFIC SIGNAL HEAD
- CITY OF MILWAUKEE VAULT OR PULL BOX
- RX RADAR DETECTION UNIT
- VX VIDEO DETECTION UNIT
- VEHICLE DETECTION AREA

N

N. 36TH ST

W. WISCONSIN AVE

ONLY BUS

ONLY

SB5 SS 13' PUSHBUTTON

SB4 SP EVP A CONFIRMATION LIGHT PUSHBUTTON LUMINAIRE

SB6 SP EVP C EVP D (2) CONFIRMATION LIGHT LUMINAIRE

SB7 CP PUSHBUTTON

SB8 SP EVP B CONFIRMATION LIGHT VIDEO DETECTION UNIT PUSHBUTTON LUMINAIRE

SB9 SS 13'

SB3 CP PUSHBUTTON

SB2 SS 10'

SB1 SP LUMINAIRE

CB1

168WB

169WB

170WB

CUC

WEP

MIS

12"

40'

45'

25'

6"

42"

2"

2-3"

3-3"

CONSTRUCTION NOTES:

1. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
2. THE ENGINEER MAY ADJUST THE LOCATIONS OF ITEMS UNDER THIS CONTRACT TO AVOID CONFLICT WITH EXISTING UTILITY FACILITIES.
3. GPS EVP INSTALLED BY CITY OF MILWAUKEE.
4. TSP TO BE IMPLEMENTED FOR EASTBOUND AND WESTBOUND THROUGH MOVEMENTS.

STRUCTURE NUMBERS

SB1 = S40-1804
SB4 = S40-1805
SB6 = S40-1806
SB8 = S40-1807

TRAFFIC CONTROL SIGNAL
W. WISCONSIN AVE & N. 36TH ST
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO.

MUNICIPAL CONTACT: JOSEPH BLAKEMAN
DESIGNED BY: HNTB
REVISED BY:

PAGE 1 OF 3

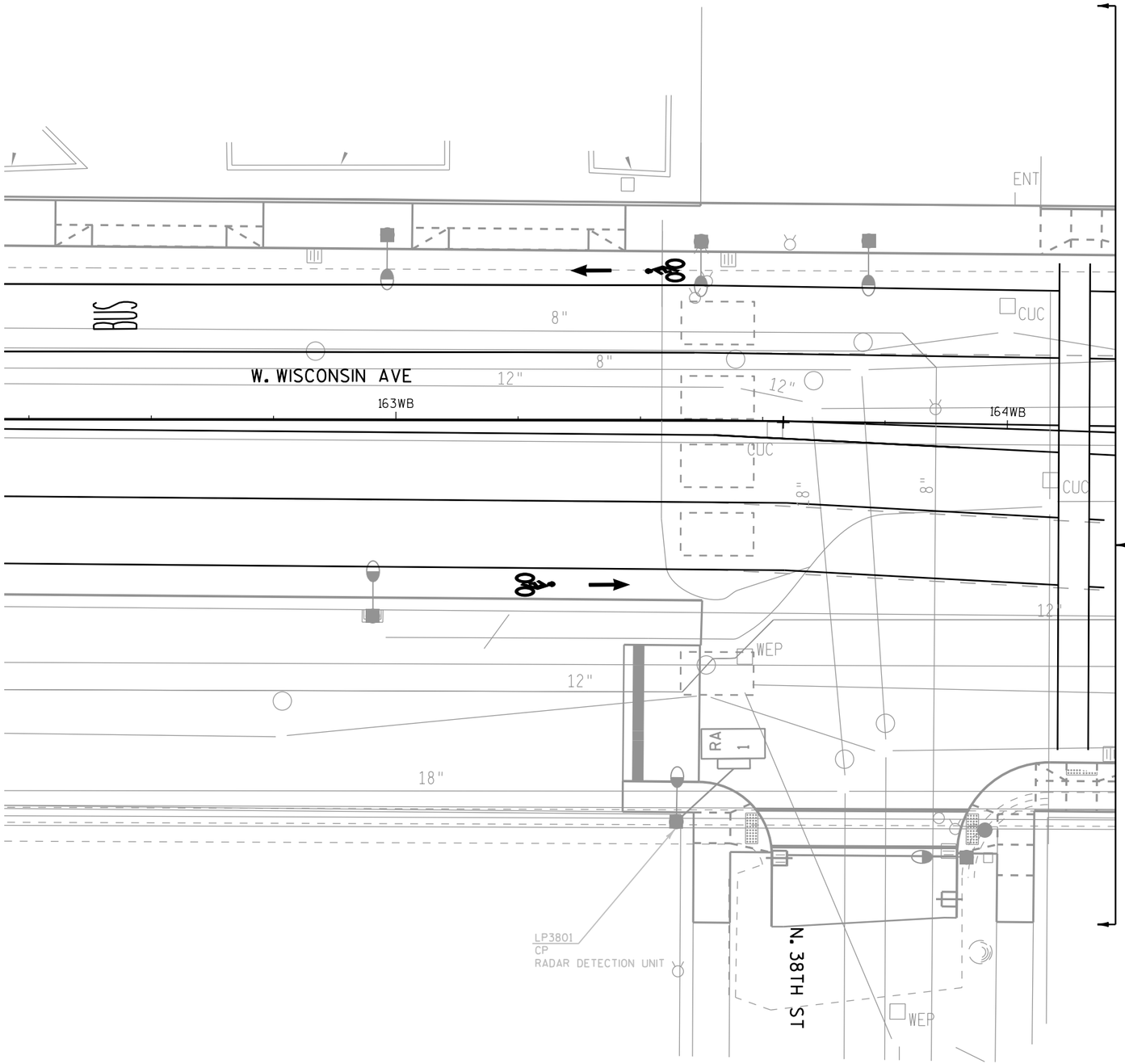
STATE PROJECT 2190-00-71
xx/18

PROJECT NO: 60528491	COUNTY: MILWAUKEE	EAST-WEST BRT	TRAFFIC SIGNAL PLAN	SHEET	E

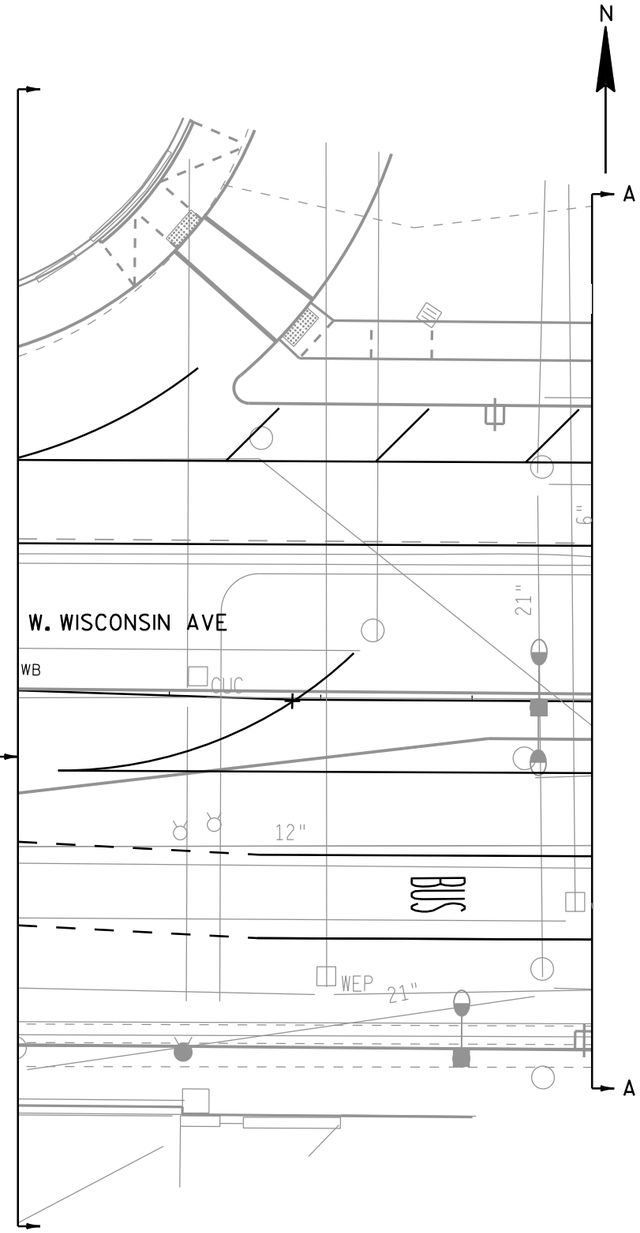
PRE_213

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\HNTB\cds\024117_sp.dgn PLOT DATE : 7/30/2019 2:17:24 PM PLOT BY : mjmay PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 42



260'



TRAFFIC CONTROL SIGNAL
W. WISCONSIN AVE & N. 36TH ST
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO.

MUNICIPAL CONTACT: JOSEPH BLAKEMAN
DESIGNED BY: HNTB
REVISED BY:

PAGE 2 OF 3

PROJECT NO: 60528491	COUNTY: MILWAUKEE	EAST-WEST BRT	TRAFFIC SIGNAL PLAN	SHEET E

PRE_214

CALL OUT	CONDUIT CONTENTS
1	TO BE VERIFIED IN THE FIELD
2	7-14 AWG CONT. CAB TO SB1
	TO BE VERIFIED IN THE FIELD
3	TO BE VERIFIED IN THE FIELD
4	TO BE VERIFIED IN THE FIELD
5	7-14 AWG CONT. CAB TO SB2
	TO BE VERIFIED IN THE FIELD
6	TO BE VERIFIED IN THE FIELD
7	TO BE VERIFIED IN THE FIELD
8	15-14 AWG CONT. CAB TO SB4
	EVP A CABLE CONT. CAB TO SB4
	TO BE VERIFIED IN THE FIELD
9	TO BE VERIFIED IN THE FIELD
10	12-14 AWG CONT. CAB TO SB5
	TO BE VERIFIED IN THE FIELD
11	TO BE VERIFIED IN THE FIELD
12	12-14 AWG CONT. CAB TO SB6
	EVP C CABLE CONT. CAB TO SB6
	EVP D CABLE CONT. CAB TO SB6
	TO BE VERIFIED IN THE FIELD
13	TO BE VERIFIED IN THE FIELD
14	15-14 AWG CONT. CAB TO SB7
	TO BE VERIFIED IN THE FIELD
15	TO BE VERIFIED IN THE FIELD
16	TO BE VERIFIED IN THE FIELD
17	19-14 AWG CONT. CAB TO SB8
	EVP B CABLE CONT. CAB TO SB8
	VIDEO DETECTION CABLE CONT. CAB TO SB8
	TO BE VERIFIED IN THE FIELD
18	TO BE VERIFIED IN THE FIELD
19	12-14 AWG CONT. CAB TO SB9
	TO BE VERIFIED IN THE FIELD
20	TO BE VERIFIED IN THE FIELD
21	TO BE VERIFIED IN THE FIELD

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- CITY UNDERGROUND CONDUIT
- CITY UNDERGROUND CONDUIT CONTAINING TRAFFIC SIGNAL CABLE/WIRE
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD
- (XX) MONOTUBE BASE, POLE, 15'-30' ARM
- PEDESTRIAN HEAD
- CITY OF MILWAUKEE LIGHTING LUMINAIRE

LEGEND (CON'T)

- SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- FY Y YELLOW ARROW
- G GREEN ARROW
- EVP DETECTOR HEAD
- CONFIRMATION LIGHT
- WALK/DON'T WALK INDICATOR 12" (COUNTDOWN TIMER)
- TRAFFIC SIGNAL HEAD
- CITY OF MILWAUKEE VAULT OR PULL BOX
- VX VIDEO DETECTION UNIT
- VEHICLE DETECTION AREA
- 24" X 24" BLANKOUT SIGN

NOTE: GRAYSHADE REPRESENTS EXISTING.

STRUCTURE NUMBERS
SB1 = S40-1808
SB4 = S40-1809
SB6 = S40-1810
SB8 = S40-1811

N

N. 35TH ST

W. WISCONSIN AVE

BUS ONLY

SB1 SS 13'

SB2 SP EVP D LUMINAIRE

SB3 CP

SB4 SP EVP B LUMINAIRE

SB5 CP

SB6 SP EVP C CONFIRMATION LIGHT VIDEO DETECTION UNIT LUMINAIRE

SB7 CP

SB8 SP EVP A CONFIRMATION LIGHT LUMINAIRE

172WB

173WB

174WB

SEE NOTE 4

CONSTRUCTION NOTES:

1. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
2. THE ENGINEER MAY ADJUST THE LOCATIONS OF ITEMS UNDER THIS CONTRACT TO AVOID CONFLICT WITH EXISTING UTILITY FACILITIES.
3. GPS EVP INSTALLED BY CITY OF MILWAUKEE.
4. REMOVE VAULT AND REPLACE IN KIND TO MATCH PROPOSED GRADE.
5. TSP TO BE IMPLEMENTED FOR EASTBOUND AND WESTBOUND THROUGH MOVEMENTS.

TRAFFIC CONTROL SIGNAL
W. WISCONSIN AVE & N. 35TH ST
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO.

MUNICIPAL CONTACT: JOSEPH BLAKEMAN
DESIGNED BY: HNTB
REVISED BY:

PAGE 1 OF 2

STATE PROJECT 2190-00-71
xx/18

PROJECT NO: 60528491	COUNTY: MILWAUKEE	EAST-WEST BRT	TRAFFIC SIGNAL PLAN	SHEET E

PRE_216

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\HNTB\cds\024118_sp.dgn PLOT DATE : 7/30/2019 2:26:18 PM PLOT BY : mjmay PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 42

CALL OUT	CONDUIT CONTENTS
1	TO BE VERIFIED IN THE FIELD
2	12-14 AWG CONT. CAB TO SB1
	5-14 AWG CONT. CAB TO SB1
	TO BE VERIFIED IN THE FIELD
3	TO BE VERIFIED IN THE FIELD
4	12-14 AWG CONT. CAB TO SB2
	5-14 AWG CONT. CAB TO SB2
	EVP D CABLE CONT. CAB TO SB2
	TO BE VERIFIED IN THE FIELD
5	TO BE VERIFIED IN THE FIELD
6	12-14 AWG CONT. CAB TO SB3
	TO BE VERIFIED IN THE FIELD
7	TO BE VERIFIED IN THE FIELD
8	TO BE VERIFIED IN THE FIELD
9	15-14 AWG CONT. CAB TO SB4
	TO BE VERIFIED IN THE FIELD
10	TO BE VERIFIED IN THE FIELD
11	12-14 AWG CONT. CAB TO SB5
	TO BE VERIFIED IN THE FIELD
12	TO BE VERIFIED IN THE FIELD
13	15-14 AWG CONT. CAB TO SB6
	EVP C CABLE CONT. CAB TO SB6
	VIDEO DETECTION CABLE CONT. CAB TO SB6
	TO BE VERIFIED IN THE FIELD
14	TO BE VERIFIED IN THE FIELD
15	12-14 AWG CONT. CAB TO SB7
	TO BE VERIFIED IN THE FIELD
16	TO BE VERIFIED IN THE FIELD
17	TO BE VERIFIED IN THE FIELD
18	15-14 AWG CONT. CAB TO SB8
	EVP A CABLE CONT. CAB TO SB8
	TO BE VERIFIED IN THE FIELD
19	TO BE VERIFIED IN THE FIELD

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- CITY UNDERGROUND CONDUIT
- CITY UNDERGROUND CONDUIT CONTAINING TRAFFIC SIGNAL CABLE/WIRE
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD
- (XX) MONOTUBE BASE, POLE, 15'-30' ARM
- PEDESTRIAN HEAD
- CITY OF MILWAUKEE LIGHTING LUMINAIRE

LEGEND (CON'T)

- SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- FY Y YELLOW ARROW
- G GREEN ARROW
- EVP DETECTOR HEAD
- CONFIRMATION LIGHT
- WALK/DON'T WALK INDICATOR 12" (COUNTDOWN TIMER)
- TRAFFIC SIGNAL HEAD
- V CITY OF MILWAUKEE VAULT OR PULL BOX
- VX VIDEO DETECTION UNIT
- VEHICLE DETECTION AREA

N

NOTE: GRAYSHADE REPRESENTS EXISTING.

N. 32ND ST

W. WISCONSIN AVE

181WB

182WB

183WB

BUS ONLY

40'

30'

SB1 SP EVP A CONFIRMATION LIGHT

SB2 SS 13'

SB3 SS 13' EVP C CONFIRMATION LIGHT

SB4 CP PUSHBUTTON VIDEO DETECTION UNIT

SB5 SP EVP B CONFIRMATION LIGHT LUMINAIRE

SB6 SS 10' PUSHBUTTON

SB7 SS 13'

SB8 SS 13'

bus shelter

cuc box

CONSTRUCTION NOTES:

1. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
2. THE ENGINEER MAY ADJUST THE LOCATIONS OF ITEMS UNDER THIS CONTRACT TO AVOID CONFLICT WITH EXISTING UTILITY FACILITIES.
3. GPS EVP INSTALLED BY CITY OF MILWAUKEE.
4. TSP TO BE IMPLEMENTED FOR EASTBOUND AND WESTBOUND THROUGH MOVEMENTS.

STRUCTURE NUMBERS
SB1 = S40-1812
SB5 = S40-1813

TRAFFIC CONTROL SIGNAL
W. WISCONSIN AVE & N. 32ND ST
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO.

MUNICIPAL CONTACT: JOSEPH BLAKEMAN
DESIGNED BY: HNTB
REVISED BY:

PAGE 1 OF 2

STATE PROJECT 2190-00-71
xx/18

PROJECT NO: 60528491	COUNTY: MILWAUKEE	EAST-WEST BRT	TRAFFIC SIGNAL PLAN	SHEET	E

PRE_218

CALL OUT	CONDUIT CONTENTS
1	TO BE VERIFIED IN THE FIELD
2	12-14 AWG CONT. CAB TO SB1
	EVP A CABLE CONT. CAB TO SB1
	TO BE VERIFIED IN THE FIELD
3	TO BE VERIFIED IN THE FIELD
4	7-14 AWG CONT. CAB TO SB2
	TO BE VERIFIED IN THE FIELD
5	7-14 AWG CONT. CAB TO SB3
	EVP C CABLE CONT. CAB TO SB3
	TO BE VERIFIED IN THE FIELD
6	TO BE VERIFIED IN THE FIELD
7	12-14 AWG CONT. CAB TO SB4
	VIDEO DETECTION CABLE CONT. CAB TO SB4
	TO BE VERIFIED IN THE FIELD
8	TO BE VERIFIED IN THE FIELD
9	TO BE VERIFIED IN THE FIELD
10	12-14 AWG CONT. CAB TO SB5
	EVP B CABLE CONT. CAB TO SB5
	TO BE VERIFIED IN THE FIELD
11	7-14 AWG CONT. CAB TO SB6
	TO BE VERIFIED IN THE FIELD
12	TO BE VERIFIED IN THE FIELD
13	12-14 AWG CONT. CAB TO SB7
	TO BE VERIFIED IN THE FIELD
14	TO BE VERIFIED IN THE FIELD
15	TO BE VERIFIED IN THE FIELD
16	12-14 AWG CONT. CAB TO SB8
	TO BE VERIFIED IN THE FIELD
17	TO BE VERIFIED IN THE FIELD
18	TO BE VERIFIED IN THE FIELD
19	TO BE VERIFIED IN THE FIELD

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- CITY UNDERGROUND CONDUIT
- CITY UNDERGROUND CONDUIT CONTAINING TRAFFIC SIGNAL CABLE/WIRE
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD
- (XX) MONOTUBE BASE, POLE, 15'-30' ARM
- (XX) SIGNAL HEAD, LIGHT POLE
- PEDESTRIAN HEAD
- CITY OF MILWAUKEE LIGHTING LUMINAIRE - SEE NOTE 5

LEGEND (CON'T)

- SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- YELLOW ARROW
- GREEN ARROW
- EVP DETECTOR HEAD
- GPS EVP DETECTOR HEAD
- CONFIRMATION LIGHT
- WALK/DON'T WALK INDICATOR 12" (COUNTDOWN TIMER)
- TRAFFIC SIGNAL HEAD
- CITY OF MILWAUKEE VAULT OR PULL BOX
- MX MICROWAVE DETECTION UNIT

N

NOTE: GRAYSHADE REPRESENTS EXISTING.

W. WISCONSIN AVE

N. 27TH ST

CB1

M1

M2

A
SP
TYPE 10 POLE, 30' BASE
CONFIRMATION LIGHT
RADAR DETECTION UNIT
FIRE DEPT. OPTICOM (711)
GPS EVP

B
SS
1'EXT
2'EXT
CONFIRMATION LIGHT

C
CP
AT31-R
FIRE DEPT. OPTICOM (721)
RADAR DETECTION UNIT

D
CP

E
SP
TYPE 10 POLE, 30' BASE
FIRE DEPT.
OPTICOM (711)
CONFIRMATION LIGHT

F
SS
13'
1'EXT
CONFIRMATION LIGHT

G
CP
AT31-R

H
CP

198WB

199WB

200WB

201WB

SEE NOTE 4

BUS ONLY

CONSTRUCTION NOTES;

1. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
2. THE ENGINEER MAY ADJUST THE LOCATIONS OF ITEMS UNDER THIS CONTRACT TO AVOID CONFLICT WITH EXISTING UTILITY FACILITIES..
3. GPS EVP INSTALLED BY CITY OF MILWAUKEE.
4. DISCONNECT AND PULL EXISTING SIGNAL CABLE TO THE NEAREST UNDISTURBED VAULT AND PROTECT CABLE ENDS PER STANDARD SPECIFICATION 655. RE-PULL CABLE THROUGH THE CONDUIT AND VAULT INFRASTRUCTURE ONCE THE NEW VAULT IS CONSTRUCTED AND MAKE ALL CONNECTIONS TO THE EXISTING TRAFFIC SIGNAL INFRASTRUCTURE.
5. REMOVE VAULT AND REPLACE IN KIND TO MATCH PROPOSED GRADE
6. TSP TO BE IMPLEMENTED FOR EASTBOUND AND WESTBOUND THROUGH MOVEMENTS.

2001 STREET SCAPE 08/01
ADDITION OF C-38-12 SIG. HOUS. AT LOC. 1 10/04
COUNTDOWN GRANT #1 03/11
NBLT ARROWS 03/11
2013 STATE PAVING 12/12
STATE PROJECT 1693-35-93 10/17

TRAFFIC CONTROL SIGNAL
W. WISCONSIN AVE & N. 27TH ST
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO.

MUNICIPAL CONTACT: JOSEPH BLAKEMAN
DESIGNED BY: HNTB
REVISED BY:

PAGE 1 OF 2

PROJECT NO: 60528491	COUNTY: MILWAUKEE	EAST-WEST BRT	TRAFFIC SIGNAL PLAN	SHEET E

PRE_220

W. WISCONSIN AVE & N. 27TH ST

2

CALL OUT	CONDUIT CONTENTS
1	17-14 AWG CONT. CAB TO B
	20-14 AWG CONT. CAB TO C
	17-14 AWG CONT. CAB TO E
	17-14 AWG CONT. CAB TO F
	RADAR DETECTION CABLE CONT. CAB TO C
	OPTICOM CABLE CONT. CAB TO C
	OPTICOM CABLE CONT. CAB TO E
2	17-14 AWG CONT. CAB TO B
3	20-14 AWG CONT. CAB TO C
	17-14 AWG CONT. CAB TO E
	17-14 AWG CONT. CAB TO F
	RADAR DETECTION CABLE CONT. CAB TO C
	OPTICOM CABLE CONT. CAB TO C
	OPTICOM CABLE CONT. CAB TO E
4	20-14 AWG CONT. CAB TO C
	RADAR DETECTION CABLE CONT. CAB TO C
	OPTICOM CABLE CONT. CAB TO C
	17-14 AWG C TO D
5	17-14 AWG CONT. CAB TO E
	17-14 AWG CONT. CAB TO F
	OPTICOM CABLE CONT. CAB TO E
	17-14 AWG C TO D
6	17-14 AWG C TO D
7	17-14 AWG CONT. CAB TO E
	17-14 AWG CONT. CAB TO F
	OPTICOM CABLE CONT. CAB TO E
8	17-14 AWG CONT. CAB TO E
	OPTICOM CABLE CONT. CAB TO E
9	17-14 AWG CONT. CAB TO F
10	12-14 AWG CONT. CAB TO G
11	17-14 AWG CONT. CAB TO H
12	17-14 AWG CONT. CAB TO H
	12-14 AWG CONT. CAB TO G
13	OPTICOM CABLE CONT. CAB TO A
	17-14 AWG CONT. CAB TO A
	RADAR DETECTION CABLE CONT. CAB TO A
	OPTICOM 1070 GPS CABLE

CALL OUT	CONDUIT CONTENTS CONT.
14	OPTICOM CABLE CONT. CAB TO A
	17-14 AWG CONT. CAB TO A
	RADAR DETECTION CABLE CONT. CAB TO A
	17-14 AWG CONT. CAB TO H
	12-14 AWG CONT. CAB TO G
	OPTICOM 1070 GPS CABLE
15	7 #14 LL INTER. TO 32ND & WISCONSIN
	3 #8 HL TR. REG. PRIM. FEEDER SUB. STA. TO 27TH & HIGHLAND
16	3 #8/1 #8 LTP (SERVICE) FEED FROM 26TH
	9-14 AWG INTER. 26TH TO 27TH
	9-14 AWG INTER. WISCONSIN TO MICHIGAN
	9-14 AWG INTER. WISCONSIN TO WELLS
17	3 #4/1 #8 LTP (SERVICE) FEED FROM 26TH
	9-14 AWG INTER. 26TH TO 27TH
18	2 #8 HL TR. REG. PRIM. FEEDER TO 27TH & HIGHLAND SPLICED TO 3 #8 HL IN MANHOLE
	8 #14 LTP INTER. TO 27TH & WELLS
19	9-14 AWG INTER. WISCONSIN TO WELLS
20	9-14 AWG INTER. WISCONSIN TO MICHIGAN
21	2 #8 HL TR. REG. PRIM. FEEDER TO 27TH & HIGHLAND SPLICED TO 3 #8 HL IN MANHOLE

PROJECT NO: 60524891	COUNTY: MILWAUKEE	EAST-WEST BRT	CABLE ROUTING	SHEET:	E

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\HNTB\base\BRT_sp_cr.ppt PLOT DATE : 7/28/2019 5:15:29 PM PLOT BY : HNTB PLOT NAME : 024020_sp_cr‹#› PLOT SCALE : 1:1

PRE_221

2

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- CITY UNDERGROUND CONDUIT
- CITY UNDERGROUND CONDUIT CONTAINING TRAFFIC SIGNAL CABLE/WIRE
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD
- (XX) MONOTUBE BASE, POLE, 15'-30' ARM
- PEDESTRIAN HEAD
- CITY OF MILWAUKEE LIGHTING LUMINAIRE

LEGEND (CON'T)

- SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- FY Y YELLOW ARROW
- G GREEN ARROW
- EVP DETECTOR HEAD
- CONFIRMATION LIGHT
- WALK/DON'T WALK INDICATOR 12" (COUNTDOWN TIMER)
- TRAFFIC SIGNAL HEAD
- CITY OF MILWAUKEE VAULT OR PULL BOX
- VX VIDEO DETECTION UNIT
- VEHICLE DETECTION AREA

NOTE: GRAYSHADE REPRESENTS EXISTING.

N

W. WISCONSIN AVE

N. 26TH ST

BUS ONLY

202WB

203WB

204WB

144" relief

SB1 CP PUSHBUTTON

SB2 SP EVP A PUSHBUTTON LUMINAIRE

SB3 SS 13'

SB4 SP EVP D

SB5 CP PUSHBUTTON

SB6 SP EVP B PUSHBUTTON LUMINAIRE

SB7 SS 13'

SB8 SP EVP C VIDEO DETECTION UNIT

CB1

CONSTRUCTION NOTES:

1. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
2. THE ENGINEER MAY ADJUST THE LOCATIONS OF ITEMS UNDER THIS CONTRACT TO AVOID CONFLICT WITH EXISTING UTILITY FACILITIES.
3. GPS EVP INSTALLED BY CITY OF MILWAUKEE.
4. TSP TO BE IMPLEMENTED FOR EASTBOUND AND WESTBOUND THROUGH MOVEMENTS.

STRUCTURE NUMBERS
SB2 = S40-1814
SB4 = S40-1815
SB6 = S40-1816
SB8 = S40-1817

TRAFFIC CONTROL SIGNAL
W. WISCONSIN AVE & N. 26TH ST
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO.

MUNICIPAL CONTACT: JOSEPH BLAKEMAN
DESIGNED BY: HNTB
REVISED BY:

STATE PROJECT 2190-00-71
xx/18

PAGE 1 OF 2

PROJECT NO: 60528491	COUNTY: MILWAUKEE	EAST-WEST BRT	TRAFFIC SIGNAL PLAN	SHEET E

PRE_222

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\HNTB\cds\024121_sp.dgn PLOT DATE : 7/30/2019 2:40:47 PM PLOT BY : mjmay PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 42

CALL OUT	CONDUIT CONTENTS
1	TO BE VERIFIED IN THE FIELD
2	12-14 AWG CONT. CAB TO SB1
	TO BE VERIFIED IN THE FIELD
3	TO BE VERIFIED IN THE FIELD
4	TO BE VERIFIED IN THE FIELD
5	15-14 AWG CONT. CAB TO SB2
	EVP C CABLE CONT. CAB TO SB2
	TO BE VERIFIED IN THE FIELD
6	TO BE VERIFIED IN THE FIELD
7	12-14 AWG CONT. CAB TO SB3
	TO BE VERIFIED IN THE FIELD
8	TO BE VERIFIED IN THE FIELD
9	15-14 AWG CONT. CAB TO SB4
	EVP C CABLE CONT. CAB TO SB4
	VIDEO DETECTION CABLE CONT. CAB TO SB4
	TO BE VERIFIED IN THE FIELD
10	TO BE VERIFIED IN THE FIELD
11	15-14 AWG CONT. CAB TO SB5
	TO BE VERIFIED IN THE FIELD
12	TO BE VERIFIED IN THE FIELD
13	TO BE VERIFIED IN THE FIELD
14	15-14 AWG CONT. CAB TO SB6
	EVP B CABLE CONT. CAB TO SB4
	TO BE VERIFIED IN THE FIELD
15	TO BE VERIFIED IN THE FIELD
16	12-14 AWG CONT. CAB TO SB7
	TO BE VERIFIED IN THE FIELD
17	TO BE VERIFIED IN THE FIELD
18	12-14 AWG CONT. CAB TO SB8
	EVP C CABLE CONT. CAB TO SB8
	VIDEO DETECTION CABLE CONT. CAB TO SB8
	TO BE VERIFIED IN THE FIELD
19	TO BE VERIFIED IN THE FIELD

LEGEND

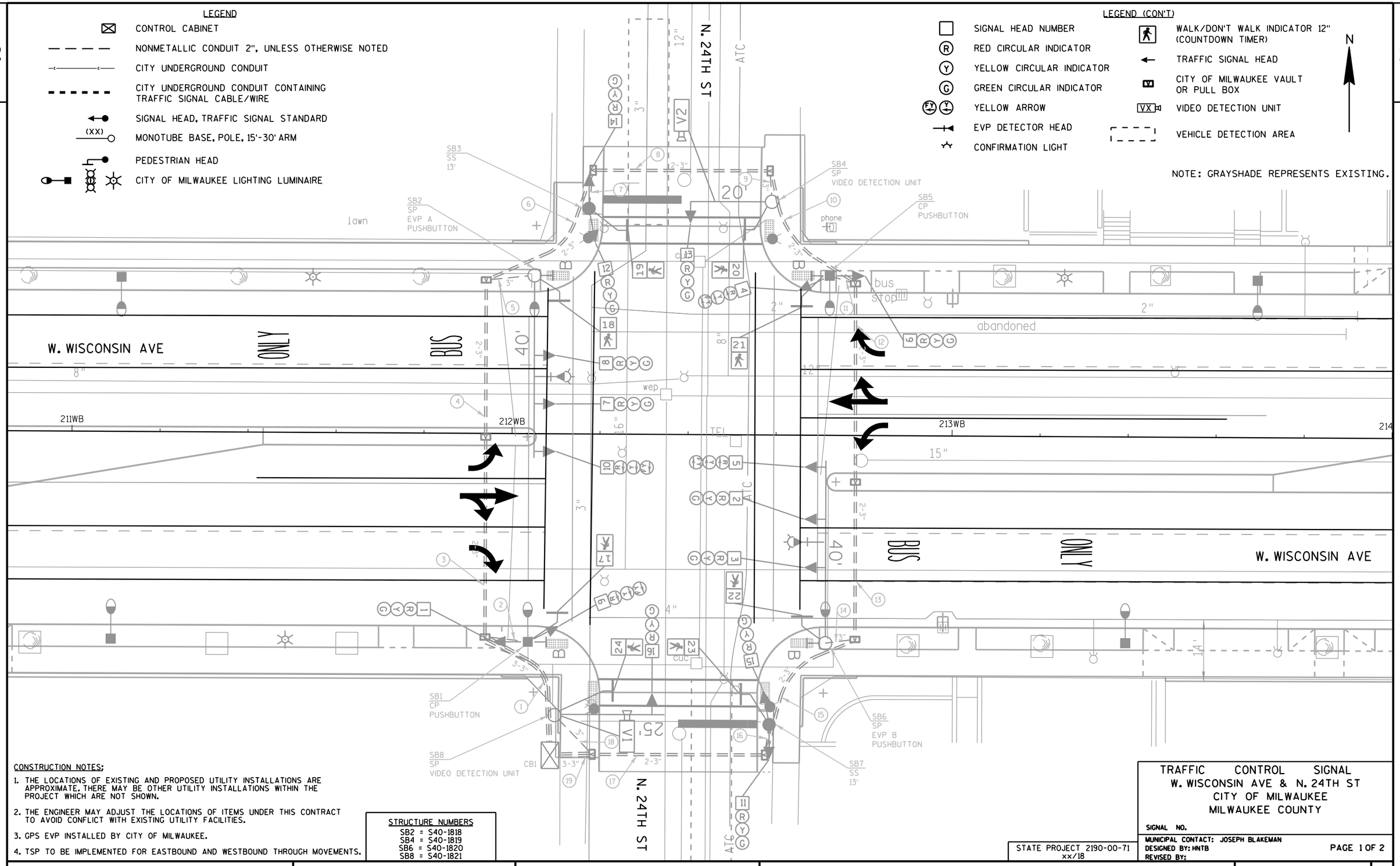
- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- CITY UNDERGROUND CONDUIT
- CITY UNDERGROUND CONDUIT CONTAINING TRAFFIC SIGNAL CABLE/WIRE
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD
- (XX) MONOTUBE BASE, POLE, 15'-30' ARM
- PEDESTRIAN HEAD
- CITY OF MILWAUKEE LIGHTING LUMINAIRE

LEGEND (CON'T)

- SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- (FY) (Y) YELLOW ARROW
- EVP DETECTOR HEAD
- CONFIRMATION LIGHT
- WALK/DON'T WALK INDICATOR 12" (COUNTDOWN TIMER)
- TRAFFIC SIGNAL HEAD
- CITY OF MILWAUKEE VAULT OR PULL BOX
- VX VIDEO DETECTION UNIT
- VEHICLE DETECTION AREA

N

NOTE: GRAYSHADE REPRESENTS EXISTING.



CONSTRUCTION NOTES:

1. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
2. THE ENGINEER MAY ADJUST THE LOCATIONS OF ITEMS UNDER THIS CONTRACT TO AVOID CONFLICT WITH EXISTING UTILITY FACILITIES.
3. GPS EVP INSTALLED BY CITY OF MILWAUKEE.
4. TSP TO BE IMPLEMENTED FOR EASTBOUND AND WESTBOUND THROUGH MOVEMENTS.

STRUCTURE NUMBERS
SB2 = S40-1818
SB4 = S40-1819
SB6 = S40-1820
SB8 = S40-1821

TRAFFIC CONTROL SIGNAL
W. WISCONSIN AVE & N. 24TH ST
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO.

MUNICIPAL CONTACT: JOSEPH BLAKEMAN
DESIGNED BY: HNTB
REVISED BY:

PAGE 1 OF 2

STATE PROJECT 2190-00-71
xx/18

PROJECT NO: 60528491	COUNTY: MILWAUKEE	EAST-WEST BRT	TRAFFIC SIGNAL PLAN	SHEET E

PRE_224

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\HNTB\cds\024122_sp.dgn PLOT DATE : 7/30/2019 2:41:57 PM PLOT BY : mjmay PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 42

CALL OUT	CONDUIT CONTENTS
1	TO BE VERIFIED IN THE FIELD
2	12-15 AWG CONT. CAB TO SB1
	TO BE VERIFIED IN THE FIELD
3	TO BE VERIFIED IN THE FIELD
4	TO BE VERIFIED IN THE FIELD
5	15-14 AWG CONT. CAB TO SB2
	EVP A CABLE CONT. CAB TO SB2
	TO BE VERIFIED IN THE FIELD
6	TO BE VERIFIED IN THE FIELD
7	12-14 AWG CONT. CAB TO SB3
	TO BE VERIFIED IN THE FIELD
8	TO BE VERIFIED IN THE FIELD
9	12-14 AWG CONT. CAB TO SB4
	VIDEO DETECTION CABLE CONT. CAB TO SB4
	TO BE VERIFIED IN THE FIELD
10	TO BE VERIFIED IN THE FIELD
11	15-14 AWG CONT. CAB TO SB5
	TO BE VERIFIED IN THE FIELD
12	TO BE VERIFIED IN THE FIELD
13	TO BE VERIFIED IN THE FIELD
14	15-14 AWG CONT. CAB TO SB6
	EVP B CABLE CONT. CAB TO SB6
	TO BE VERIFIED IN THE FIELD
15	TO BE VERIFIED IN THE FIELD
16	12-14 AWG CONT. CAB TO SB7
	TO BE VERIFIED IN THE FIELD
17	TO BE VERIFIED IN THE FIELD
18	12-14 AWG CONT. CAB TO SB8
	VIDEO DETECTION CABLE CONT. CAB TO SB8
	TO BE VERIFIED IN THE FIELD
19	TO BE VERIFIED IN THE FIELD

2

LEGEND

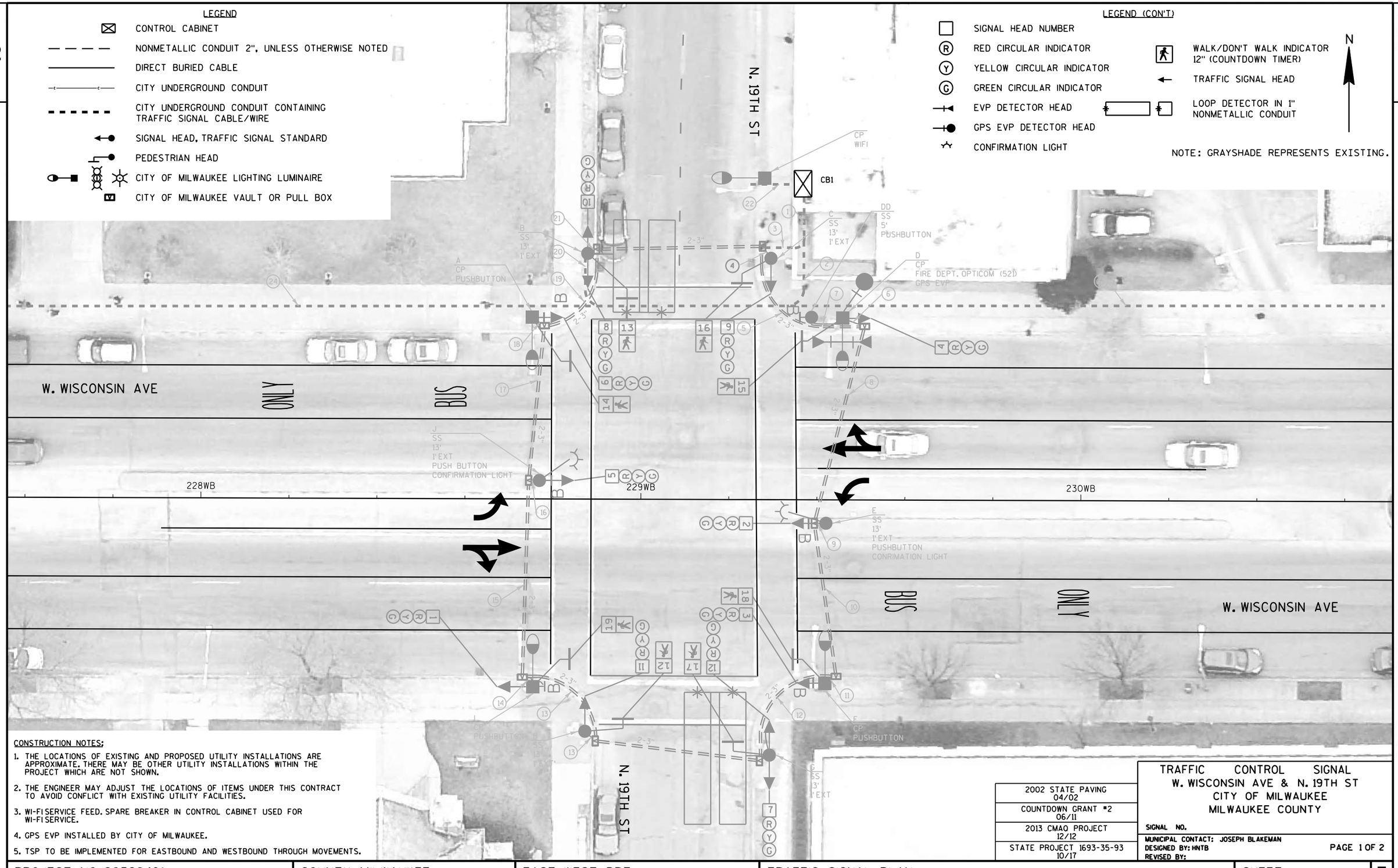
- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- DIRECT BURIED CABLE
- CITY UNDERGROUND CONDUIT
- CITY UNDERGROUND CONDUIT CONTAINING TRAFFIC SIGNAL CABLE/WIRE
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD
- PEDESTRIAN HEAD
- CITY OF MILWAUKEE LIGHTING LUMINAIRE
- CITY OF MILWAUKEE VAULT OR PULL BOX

LEGEND (CON'T)

- SIGNAL HEAD NUMBER
- RED CIRCULAR INDICATOR
- YELLOW CIRCULAR INDICATOR
- GREEN CIRCULAR INDICATOR
- EVP DETECTOR HEAD
- GPS EVP DETECTOR HEAD
- CONFIRMATION LIGHT
- WALK/DON'T WALK INDICATOR 12" (COUNTDOWN TIMER)
- TRAFFIC SIGNAL HEAD
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT

N

NOTE: GRAYSHADE REPRESENTS EXISTING.



CONSTRUCTION NOTES;

1. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
2. THE ENGINEER MAY ADJUST THE LOCATIONS OF ITEMS UNDER THIS CONTRACT TO AVOID CONFLICT WITH EXISTING UTILITY FACILITIES.
3. WI-FI SERVICE FEED. SPARE BREAKER IN CONTROL CABINET USED FOR WI-FI SERVICE.
4. GPS EVP INSTALLED BY CITY OF MILWAUKEE.
5. TSP TO BE IMPLEMENTED FOR EASTBOUND AND WESTBOUND THROUGH MOVEMENTS.

2002 STATE PAVING 04/02
COUNTDOWN GRANT #2 06/11
2013 CMAQ PROJECT 12/12
STATE PROJECT 1693-35-93 10/17

TRAFFIC CONTROL SIGNAL
W. WISCONSIN AVE & N. 19TH ST
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO.

MUNICIPAL CONTACT: JOSEPH BLAKEMAN
DESIGNED BY: HNTB
REVISED BY:

PAGE 1 OF 2

PROJECT NO: 60528491	COUNTY: MILWAUKEE	EAST-WEST BRT	TRAFFIC SIGNAL PLAN	SHEET E

PRE_226

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\HNTB\cds\024123_sp.dgn PLOT DATE : 7/30/2019 11:05:38 AM PLOT BY : mjmay PLOT NAME : PLOT SCALE : 1:20

W. WISCONSIN AVE & N. 19TH ST

2

CALL OUT	CONDUIT CONTENTS
1	20 #14 LTP CONT. CAB TO C
	17 #14 LTP CONT. CAB TO E
	20 #14 LTP CONT. CAB TO F
	LEAD IN CABLE (PROBE) CONT. CAB TO OPTICOM D
	LEAD IN CABLE (PROBE) CONT. CAB TO NB LOOPS
	20 #14 LTP CONT. CAB TO B
	20 #14 LTP CONT. CAB TO I
	117 #14 LTP CONT. CAB TO J
	9 #14 LTP INTER. FROM N. 17TH ST. TO CONT. CAB
	9 #14 LTP INTER. TO N. 24TH ST. FROM CONT. CAB
	LEAD IN CABLE (PROBE) CONT. CAB TO SB LOOPS
	OPTICOM 1070 GPS CABLE
2	20 #14 LTP CONT. CAB TO B
	20 #14 LTP CONT. CAB TO I
	117 #14 LTP CONT. CAB TO J
	9 #14 LTP INTER. FROM N. 17TH ST. TO CONT. CAB
	9 #14 LTP INTER. TO N. 24TH ST. FROM CONT. CAB
	LEAD IN CABLE (PROBE) CONT. CAB TO SB LOOPS
3	20 #14 LTP CONT. CAB TO C
	17 #14 LTP CONT. CAB TO E
	20 #14 LTP CONT. CAB TO F
	LEAD IN CABLE (PROBE) CONT. CAB TO OPTICOM D
	LEAD IN CABLE (PROBE) CONT. CAB TO NB LOOPS
	OPTICOM 1070 GPS CABLE
4	20 #14 LTP CONT. CAB TO C
	17 #14 LTP C TO D
5	17 #14 LTP CONT. CAB TO E
	20 #14 LTP CONT. CAB TO F
	LEAD IN CABLE (PROBE) CONT. CAB TO OPTICOM D
	LEAD IN CABLE (PROBE) CONT. CAB TO NB LOOPS
	17 #14 LTP C TO D
	OPTICOM 1070 GPS CABLE
6	LEAD IN CABLE (PROBE) CONT. CAB TO OPTICOM D
	17 #14 LTP C TO D
	OPTICOM 1070 GPS CABLE
7	9 #14 AWG D TO DD
8	17 #14 LTP CONT. CAB TO E
	20 #14 LTP CONT. CAB TO F
	LEAD IN CABLE (PROBE) CONT. CAB TO NB LOOPS
9	17 #14 LTP CONT. CAB TO E

CALL OUT	CONDUIT CONTENTS CONT.
10	20 #14 LTP CONT. CAB TO F
	LEAD IN CABLE (PROBE) CONT. CAB TO NB LOOPS
11	20 #14 LTP CONT. CAB TO F
12	LEAD IN CABLE (PROBE) CONT. CAB TO NB LOOPS
13	17 #14 LTP I TO H
14	20 #14 LTP CONT. CAB TO I
	17 #14 LTP I TO H
15	20 #14 LTP CONT. CAB TO I
16	117 #14 LTP CONT. CAB TO J
17	20 #14 LTP CONT. CAB TO I
	117 #14 LTP CONT. CAB TO J
18	17 #14 LTP B TO A
19	17 #14 LTP B TO A
	20 #14 LTP CONT. CAB TO I
	117 #14 LTP CONT. CAB TO J
20	20 #14 LTP CONT. CAB TO B
	20 #14 LTP CONT. CAB TO I
	117 #14 LTP CONT. CAB TO J
	LEAD IN CABLE (PROBE) CONT. CAB TO SB LOOPS
21	17 #14 LTP B TO A
	20 #14 LTP CONT. CAB TO I
	117 #14 LTP CONT. CAB TO J
	LEAD IN CABLE (PROBE) CONT. CAB TO SB LOOPS
22	3 #6 LTP SERVICE
23	7 #14 LL INTER. FROM WISCONSIN & 17TH TO CONT. CAB
24	7 #14 LL INTER. TO N. 24TH ST.

PROJECT NO: 60524891	COUNTY: MILWAUKEE	EAST-WEST BRT	CABLE ROUTING	SHEET:	E

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\HNTB\base\BRT_sp_cr.ppt PLOT DATE : 7/28/2019 5:15:29 PM PLOT BY : HNTB PLOT NAME : 024020_sp_cr‹#› PLOT SCALE : 1:1

LEGEND

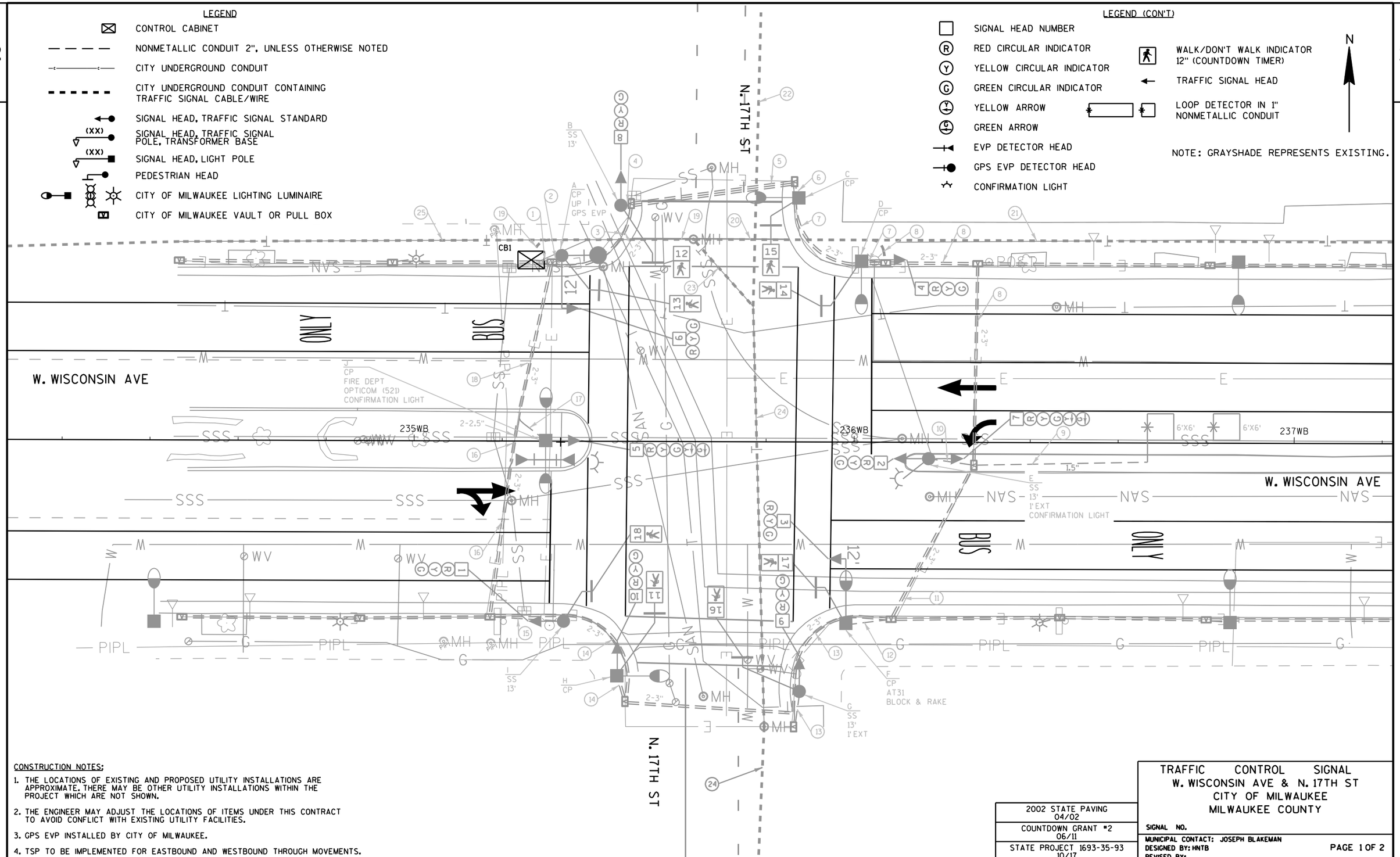
- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- CITY UNDERGROUND CONDUIT
- CITY UNDERGROUND CONDUIT CONTAINING TRAFFIC SIGNAL CABLE/WIRE
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD
- (XX) SIGNAL HEAD, TRAFFIC SIGNAL POLE, TRANSFORMER BASE
- (XX) SIGNAL HEAD, LIGHT POLE
- PEDESTRIAN HEAD
- CITY OF MILWAUKEE LIGHTING LUMINAIRE
- CITY OF MILWAUKEE VAULT OR PULL BOX

LEGEND (CON'T)

- SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- YELLOW ARROW
- GREEN ARROW
- EVP DETECTOR HEAD
- GPS EVP DETECTOR HEAD
- CONFIRMATION LIGHT
- WALK/DON'T WALK INDICATOR 12" (COUNTDOWN TIMER)
- TRAFFIC SIGNAL HEAD
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT

N

NOTE: GRAYSHADE REPRESENTS EXISTING.



CONSTRUCTION NOTES:

1. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
2. THE ENGINEER MAY ADJUST THE LOCATIONS OF ITEMS UNDER THIS CONTRACT TO AVOID CONFLICT WITH EXISTING UTILITY FACILITIES.
3. GPS EVP INSTALLED BY CITY OF MILWAUKEE.
4. TSP TO BE IMPLEMENTED FOR EASTBOUND AND WESTBOUND THROUGH MOVEMENTS.

2002 STATE PAVING 04/02	
COUNTDOWN GRANT #2 06/11	
STATE PROJECT 1693-35-93 10/17	

TRAFFIC CONTROL SIGNAL
W. WISCONSIN AVE & N. 17TH ST
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO.

MUNICIPAL CONTACT: JOSEPH BLAKEMAN
DESIGNED BY: HNTB
REVISED BY:

PROJECT NO: 60528491	COUNTY: MILWAUKEE	EAST-WEST BRT	TRAFFIC SIGNAL PLAN	SHEET	E

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\HNTB\cds\024124_sp.dgn PLOT DATE : 7/30/2019 11:07:14 AM PLOT BY : mjmay PLOT NAME : PLOT SCALE : 1:20

W. WISCONSIN AVE & N. 17TH ST

2

CALL OUT	CONDUIT CONTENTS
1	20 #14 LTP CONT. CAB TO A
	17 #14 LTP CONT. CAB TO B
	20 #14 LTP CONT. CAB TO C
	20 #14 LTP CONT. CAB TO I
	17 #14 LTP CONT. CAB TO J
	LEAD IN CABLE (PROBE) CONT. CAB TO OPTICOM
	OPTICOM 1070 GPS CABLE
2	20 #14 LTP CONT. CAB TO A
	OPTICOM 1070 GPS CABLE
3	17 #14 LTP CONT. CAB TO B
	20 #14 LTP CONT. CAB TO C
4	17 #14 LTP CONT. CAB TO B
5	20 #14 LTP CONT. CAB TO C
6	20 #14 LTP CONT. CAB TO C
	17 #14 LTP C TO D
7	17 #14 LTP C TO D
8	20 #14 LTP CONT. CAB TO E
	20 #14 LTP CONT. CAB TO F
	LEAD IN CABLE (PROBE) CONT. CAB TO WBLT LOOPS
9	LEAD IN CABLE (PROBE) CONT. CAB TO WBLT LOOPS
10	20 #14 LTP CONT. CAB TO E
11	20 #14 LTP CONT. CAB TO F
12	20 #14 LTP CONT. CAB TO F
	17 # 14 LTP F TO G
13	17 # 14 LTP F TO G
14	17 #14 LTP I TO H
15	20 #14 LTP CONT. CAB TO I
	17 #14 LTP I TO H
16	20 #14 LTP CONT. CAB TO I
17	17 #14 LTP CONT. CAB TO J
	LEAD IN CABLE (PROBE) CONT. CAB TO OPTICOM
18	20 #14 LTP CONT. CAB TO I
	17 #14 LTP CONT. CAB TO J
	LEAD IN CABLE (PROBE) CONT. CAB TO OPTICOM

CALL OUT	CONDUIT CONTENTS CONT.
19	3 #4/1 #8 LTP SERV. FROM N. 16TH ST
	9 #14 LTP INTER. TO W. CLYBOURN ST
	12 #14 LTP INTER. TO WELLS ST
	9 #14 LTP INTER. TO N 16TH ST & WISCONSIN
	9 #14 LTP INTER. TO N. 19TH ST & WISCONSIN
	20 #14 LTP CONT. CAB TO E
	20 #14 LTP CONT. CAB TO F
	LEAD IN CABLE (PROBE) CONT. CAB TO WBLT LOOPS
	7 #14 LL INTER. FROM N. 16TH ST & W. WISCONSIN AVE TO CONT. CAB
	2 #4/1 #8 LTP SERVICE FROM N. 16TH ST & W. WISCONSIN AVE TO CONT. CAB
20	20 #14 LTP CONT. CAB TO E
	20 #14 LTP CONT. CAB TO F
	LEAD IN CABLE (PROBE) CONT. CAB TO WBLT LOOPS
	7 #14 LL INTER. FROM N. 16TH ST & W. WISCONSIN AVE TO CONT. CAB
	2 #4/1 #8 LTP SERVICE FROM N. 16TH ST & W. WISCONSIN AVE TO CONT. CAB
21	7 #14 LL INTER. FROM N. 16TH ST & W. WISCONSIN AVE TO CONT. CAB
	2 #4/1 #8 LTP SERVICE FROM N. 16TH ST & W. WISCONSIN AVE TO CONT. CAB
22	12 #14 LTP INTER. CONT. CAB TO W. WELLS ST
23	12 #14 LTP INTER. CONT. CAB TO W. WELLS ST
	9 #14 LTP INTER. TO W. CLYBOURN ST
24	9 #14 LTP INTER. TO W. CLYBOURN ST
25	9 #14 LTP INTER. TO N. 19TH ST & WISCONSIN

PROJECT NO: 60524891	COUNTY: MILWAUKEE	EAST-WEST BRT	CABLE ROUTING	SHEET:	E

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\HNTB\base\BRT_sp_cr.ppt PLOT DATE : 7/28/2019 5:15:29 PM PLOT BY : HNTB PLOT NAME : 024020_sp_cr‹#› PLOT SCALE : 1:1

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- CITY UNDERGROUND CONDUIT
- CITY UNDERGROUND CONDUIT CONTAINING TRAFFIC SIGNAL CABLE/WIRE
- (XX) SIGNAL HEAD, LIGHT POLE
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD
- PEDESTRIAN HEAD WITH PUSH BUTTON (APS)
- CITY OF MILWAUKEE LIGHTING LUMINAIRE
- CITY OF MILWAUKEE VAULT OR PULL BOX

LEGEND (CON'T)

- SIGNAL HEAD NUMBER
- RED CIRCULAR INDICATOR
- YELLOW CIRCULAR INDICATOR
- GREEN CIRCULAR INDICATOR
- YELLOW ARROW
- GREEN ARROW
- EVP DETECTOR HEAD
- GPS EVP DETECTOR HEAD
- CONFIRMATION LIGHT
- WALK/DON'T WALK INDICATOR 12" (COUNTDOWN TIMER)
- TRAFFIC SIGNAL HEAD
- M.P.D. RADIO
- M.P.D CAMERA
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT

NOTE: GRAYSHADE REPRESENTS EXISTING.

N

N. 16TH ST

W. WISCONSIN AVE

ONLY BUS

SEE NOTE 6

238WB 239WB 240WB

B SS 13' 1'EXT VOICE INSTRUCTION AUDIBLE PUSHBUTTON

A CP BACKBOARD OPTICOM (721) 6' SADDLE VOICE INSTRUCTION AUDIBLE PUSHBUTTON M.P.D. SERVICE RISER

C CP

CC SS VOICE INSTRUCTION AUDIBLE PUSHBUTTON

D CP VOICE INSTRUCTION AUDIBLE PUSHBUTTON

J SS 13' 2-1'EXT CONFIRMATION LIGHT

E SS 13' 1'EXT CONFIRMATION LIGHT VOICE INSTRUCTION AUDIBLE PUSHBUTTON

L CP VOICE INSTRUCTION AUDIBLE PUSHBUTTON

H CP VOICE INSTRUCTION AUDIBLE PUSHBUTTON WI-FI BY OTHERS

F CP VOICE INSTRUCTION AUDIBLE PUSHBUTTON

G CP VOICE INSTRUCTION AUDIBLE PUSHBUTTON

CB1

CONSTRUCTION NOTES:

1. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
2. THE ENGINEER MAY ADJUST THE LOCATIONS OF ITEMS UNDER THIS CONTRACT TO AVOID CONFLICT WITH EXISTING UTILITY FACILITIES.
3. M.P.D. CAMERA. SPARE BREAKER IN CONTROL CABINET USED FOR M.P.D. CAMERA SERVICE. IN-LINE FUSE DISCONNECT LOCATED IN CONDULET OF M.P.D. SERVICE RISER.
4. WI-FI SERVICE FEED. SPARE BREAKER IN CONTROL CABINET USED FOR WI-FI SERVICE.
5. GPS EVP INSTALLED BY CITY OF MILWAUKEE.
6. REMOVE VAULT AND REPLACE IN KIND TO MATCH PROPOSED GRADE.
7. TSP TO BE IMPLEMENTED FOR EASTBOUND AND WESTBOUND THROUGH MOVEMENTS.

EBLT LOOPS 05/04
COUNTDOWN PED SIG E/W CROSS 10/06
COUNTDOWN PED SIG N/S CROSS 06/08
APS PUSHBUTTONS 06/08
M.P.D. SERVICE RISER 05/10
FHWA RRFB - CRFB STUDY 04/13
STATE PROJECT 1693-35-93 10/17

TRAFFIC CONTROL SIGNAL
W. WISCONSIN AVE & N. 16TH ST
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO.

MUNICIPAL CONTACT: JOSEPH BLAKEMAN
DESIGNED BY: HNTB
REVISED BY:

PAGE 1 OF 2

PROJECT NO: 60528491	COUNTY: MILWAUKEE	EAST-WEST BRT	TRAFFIC SIGNAL PLAN	SHEET E

PRE_230

W. WISCONSIN AVE & N. 16TH ST

2

CALL OUT	CONDUIT CONTENTS
1	20 #14 LTP CONT. CAB TO H
	20 #14 LTP CONT. CAB TO A
	LEAD IN CABLE (PROBE) CONT. CAB TO OPTICOM-A
	17 #14 LTP H TO I
	17 #14 LTP CONT. CAB TO J
	LEAD IN CABLE (PROBE) CONT. CAB TO EBLT LOOPS
	4 #12 UF M.P.D. SERVICE
	20 #14 LTP CONT. CAB TO D
	17 #14 LTP CONT. CAB TO E
	20 #14 LTP CONT. CAB TO G
	7 #14 LL INTER. FROM N. 14TH ST
	7 #14 LL INTER. TO N. 17TH ST
	2 #4/1 #8 LTP SERVICE TO N. 17TH ST
	9 #14 LTP INTER. TO WELLS
	3 #4 LTP SERVICE
2	20 #14 LTP CONT. CAB TO H
	17 #14 LTP H TO I
	OPTICOM 1070 GPS CABLE
3	20 #14 LTP CONT. CAB TO A
	LEAD IN CABLE (PROBE) CONT. CAB TO OPTICOM-A
	17 #14 LTP H TO I
	17 #14 LTP CONT. CAB TO J
	LEAD IN CABLE (PROBE) CONT. CAB TO EBLT LOOPS
	4 #12 UF M.P.D. SERVICE
4	17 #14 LTP H TO I
5	20 #14 LTP CONT. CAB TO A
	LEAD IN CABLE (PROBE) CONT. CAB TO OPTICOM-A
	17 #14 LTP CONT. CAB TO J
	LEAD IN CABLE (PROBE) CONT. CAB TO EBLT LOOPS
	4 #12 UF M.P.D. SERVICE
6	17 #14 LTP CONT. CAB TO J
	LEAD IN CABLE (PROBE) CONT. CAB TO EBLT LOOPS
7	20 #14 LTP CONT. CAB TO A
	LEAD IN CABLE (PROBE) CONT. CAB TO OPTICOM-A
	4 #12 UF M.P.D. SERVICE
8	20 #14 LTP CONT. CAB TO A
	LEAD IN CABLE (PROBE) CONT. CAB TO OPTICOM-A
	4 #12 UF M.P.D. SERVICE
	17 #14 LTP A TO B

CALL OUT	CONDUIT CONTENTS CONT.
9	17 #14 LTP A TO B
10	9 #LTP C TO CC
11	17 #14 LTP D TO C
	9 #LTP C TO CC
12	17 #14 LTP D TO C
	20 #14 LTP CONT. CAB TO D
13	20 #14 LTP CONT. CAB TO D
14	20 #14 LTP CONT. CAB TO D
	17 #14 LTP CONT. CAB TO E
15	17 #14 LTP G TO F
16	20 #14 LTP CONT. CAB TO D
	17 #14 LTP CONT. CAB TO E
	17 #14 LTP G TO F
17	17 #14 LTP G TO F
	20 #14 LTP CONT. CAB TO G
18	20 #14 LTP CONT. CAB TO D
	17 #14 LTP CONT. CAB TO E
	20 #14 LTP CONT. CAB TO G
	7 #14 LL INTER. FROM N. 14TH ST
	7 #14 LL INTER. TO N. 17TH ST
	2 #4/1 #8 LTP SERVICE TO N. 17TH ST
	9 #14 LTP INTER. TO WELLS
	3 #4 LTP SERVICE
19	7 #14 LL INTER. FROM WISCONSIN & N. 14TH ST (VACATED)
	7 #14 LL INTER. FROM CONT. CAB TO WISCONSIN & N. 17TH ST
	2 #8/1 #8 LTP SERVICE TO N. 17TH ST
	3 #4 LTP SERVICE
	9 #14 LTP INTER. TO WELLS
20	3 #4 LTP SERVICE
21	F & P
	7 #14 LL INTER. TO N. 17TH ST
	2 #4/1 #8 LTP SERVICE TO N. 17TH ST
22	7 #14 LL INTER. TO N. 17TH ST
	2 #4/1 #8 LTP SERVICE TO N. 17TH ST
23	9 #14 LTP INTER. TO WELLS
24	7 #14 LL INTER. FROM N. 14TH ST

PROJECT NO: 60524891	COUNTY: MILWAUKEE	EAST-WEST BRT	CABLE ROUTING	SHEET: E

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\HNTB\base\BRT_sp_cr.ppt PLOT DATE : 7/28/2019 5:15:29 PM PLOT BY : HNTB PLOT NAME : 024020_sp_cr(#) PLOT SCALE : 1:1

2

LEGEND

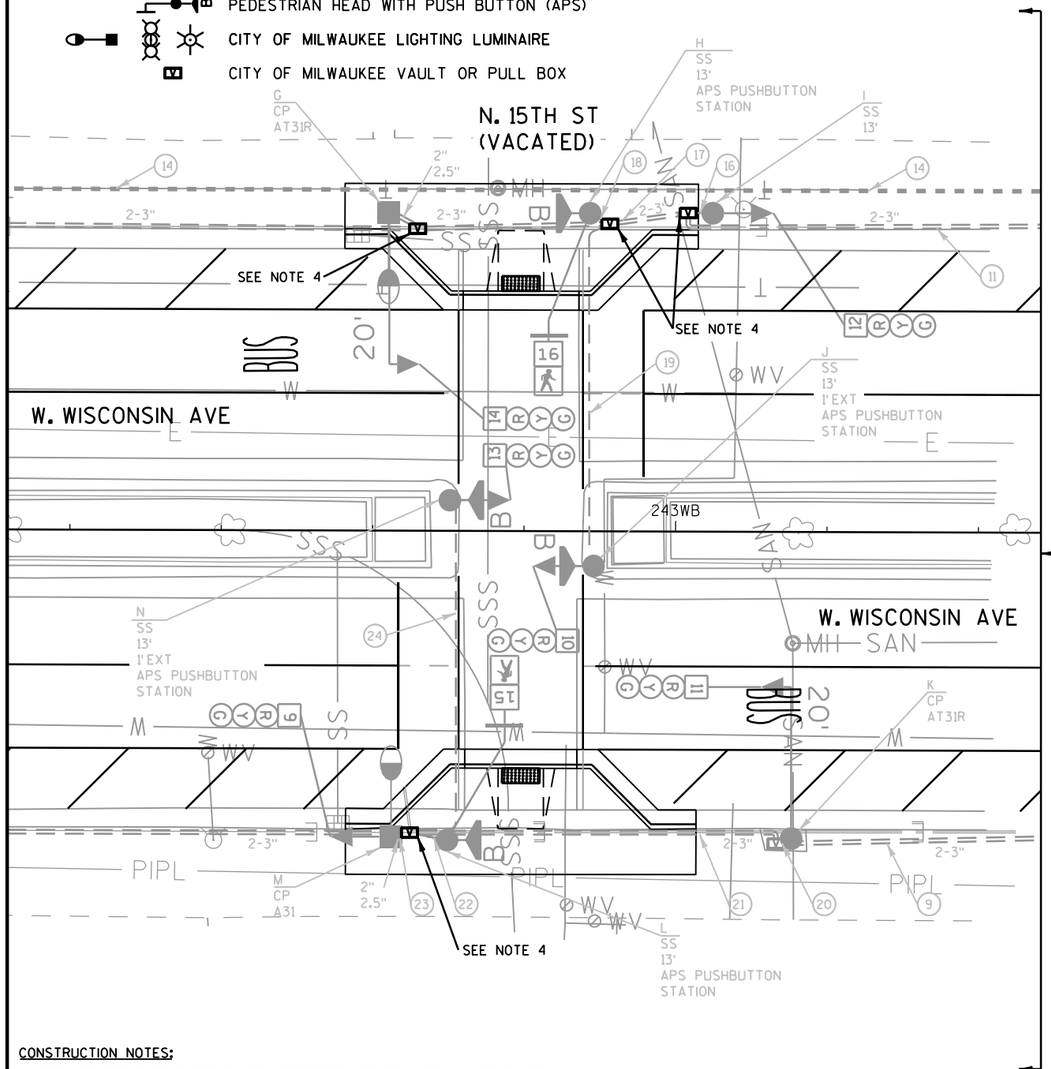
- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- CITY UNDERGROUND CONDUIT
- CITY UNDERGROUND CONDUIT CONTAINING TRAFFIC SIGNAL CABLE/WIRE
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD
- (XX) SIGNAL HEAD, LIGHT POLE
- PEDESTRIAN HEAD WITH PUSH BUTTON (APS)
- CITY OF MILWAUKEE LIGHTING LUMINAIRE
- CITY OF MILWAUKEE VAULT OR PULL BOX

LEGEND (CON'T)

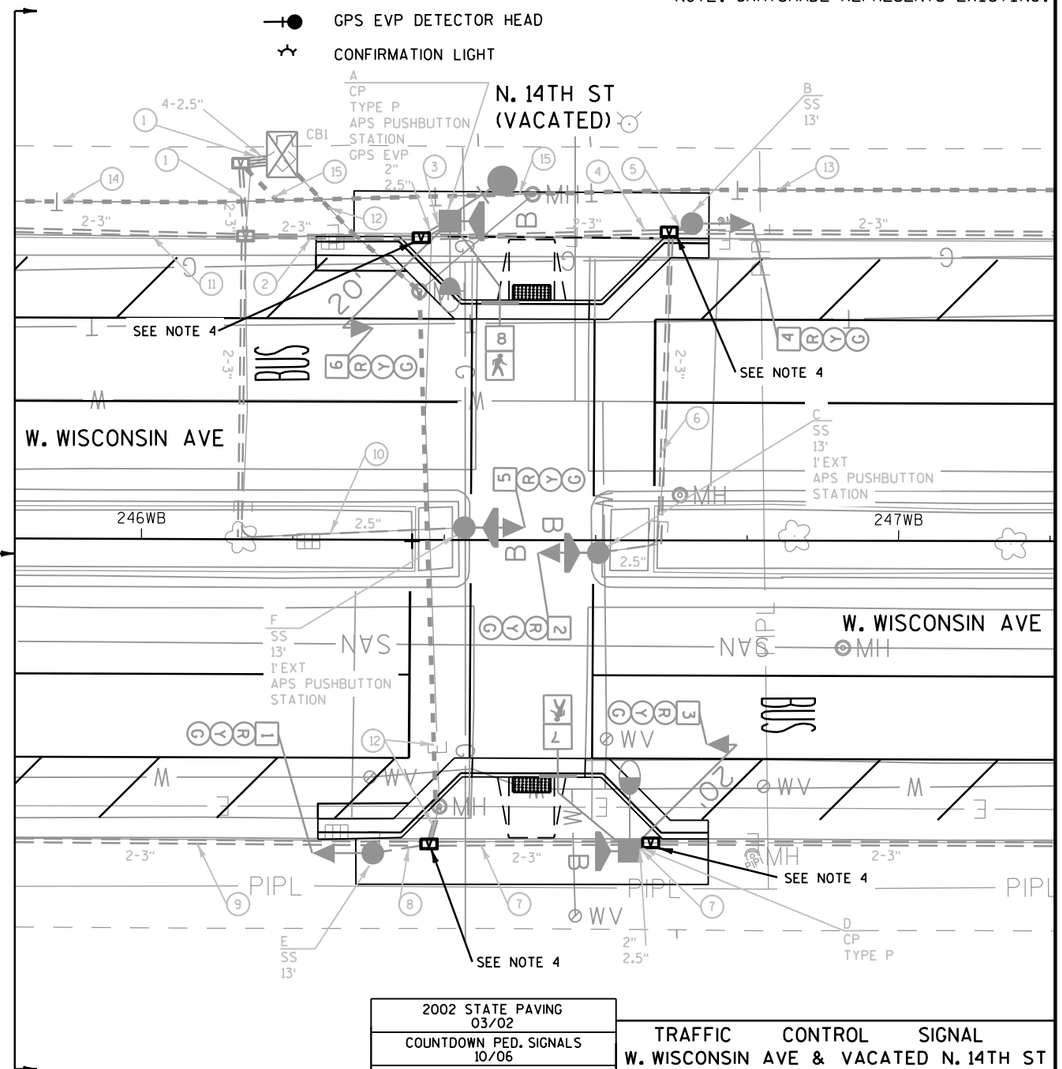
- SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- YELLOW ARROW
- GREEN ARROW
- EVP DETECTOR HEAD
- GPS EVP DETECTOR HEAD
- CONFIRMATION LIGHT
- WALK/DON'T WALK INDICATOR 12" (COUNTDOWN TIMER)
- TRAFFIC SIGNAL HEAD
- (XX) SIGNAL HEAD, TRAFFIC SIGNAL POLE, TRANSFORMER BASE

N

NOTE: GRAYSHADE REPRESENTS EXISTING.



235'



CONSTRUCTION NOTES:

1. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
2. THE ENGINEER MAY ADJUST THE LOCATIONS OF ITEMS UNDER THIS CONTRACT TO AVOID CONFLICT WITH EXISTING UTILITY FACILITIES.
3. GPS EVP INSTALLED BY CITY OF MILWAUKEE.
4. REMOVE VAULT AND REPLACE IN KIND TO MATCH PROPOSED GRADE.

2002 STATE PAVING 03/02
COUNTDOWN PED. SIGNALS 10/06
VOICE INSTRUCTION; AUDIBLE PUSHBUTTON 06/08
FHWA RRFB - CRFB STUDY 04/13
SIGNALIZATION AT VAC. N. 15TH ST 04/15
STATE PROJECT 1693-35-93 10/17

TRAFFIC CONTROL SIGNAL
W. WISCONSIN AVE & VACATED N. 14TH ST
W. WISCONSIN AVE & VACATED N. 15TH ST
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO.

MUNICIPAL CONTACT: JOSEPH BLAKEMAN
DESIGNED BY: HNTB
REVISED BY:

PAGE 1 OF 2

PROJECT NO: 60528491	COUNTY: MILWAUKEE	EAST-WEST BRT	TRAFFIC SIGNAL PLAN	SHEET	E

PRE_232

CALL OUT	CONDUIT CONTENTS
1	17 #14 LTP CONT. CAB TO A
	20 #14 LTP CONT. CAB TO B
	9 #14 LTP CONT. CAB TO F
	17-14 AWG CONT. CAB TO I
	17-14 AWG CONT. CAB TO H
	17 #14 LTP CONT. CAB TO C
	OPTICOM 1070 GPS CABLE
2	20 #14 LTP CONT. CAB TO A
	17 #14 LTP A TO B
	17 #14 LTP CONT. CAB TO C
	OPTICOM 1070 GPS CABLE
3	17 #14 LTP CONT. CAB TO A
	17 #14 LTP A TO B
	OPTICOM 1070 GPS CABLE
4	17 #14 LTP A TO B
	20 #14 LTP CONT. CAB TO B
	17 #14 LTP CONT. CAB TO C
5	17 #14 LTP A TO B
	20 #14 LTP CONT. CAB TO B
6	17 #14 LTP CONT. CAB TO C
7	20 #14 LTP CONT. CAB TO D
	17 #14 LTP D TO E
8	17 #14 LTP D TO E
9	17-14 AWG CONT. CAB TO K
	17-14 AWG CONT. CAB TO L
10	17 #14 LTP CONT. CAB TO F
11	17-14 AWG CONT. CAB TO I
	17-14 AWG CONT. CAB TO H
12	20 #14 LTP CONT. CAB TO D
	17-14 AWG CONT. CAB TO K
	17-14 AWG CONT. CAB TO L

CALL OUT	CONDUIT CONTENTS CONT.
13	2 #4/1 #8 LTP SERV. FROM WISCONSIN & 13TH ST
	7 #14 LL INTER. FROM WISCONSIN & 13TH ST TO CONT. CAB
14	7 #14 LL INTER. FROM CONT. CAB TO WISCONSIN & 16TH ST
15	2 #4/1 #8 LTP SERV. FROM WISCONSIN & 13TH ST
	7 #14 LL INTER. FROM WISCONSIN & 13TH ST TO CONT. CAB
	7 #14 LL INTER. FROM CONT. CAB TO WISCONSIN & 16TH ST
16	17-14 AWG CONT. CAB TO I
	12-14 AWG I TO J
17	12-14 AWG I TO J
	17-14 AWG CONT. CAB TO H
18	17-14 AWG CONT. CAB TO H
19	12-14 AWG I TO J
20	17-14 AWG CONT. CAB TO K
	12-14 AWG K TO N
21	12-14 AWG K TO N
	17-14 AWG CONT. CAB TO L
22	17-14 AWG CONT. CAB TO L
	12-14 AWG L TO M
23	12-14 AWG L TO M
24	12-14 AWG K TO N

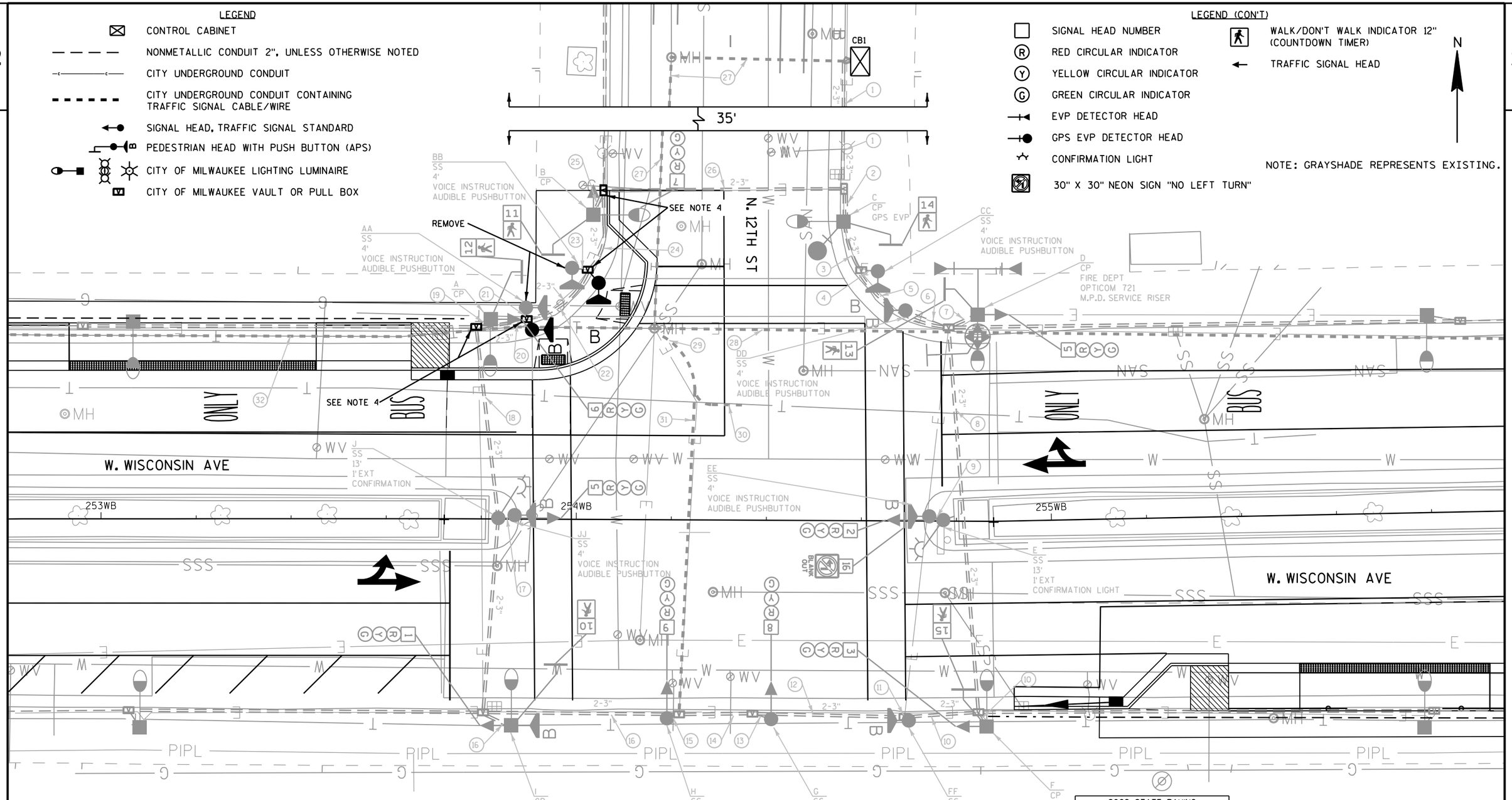
LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- CITY UNDERGROUND CONDUIT
- CITY UNDERGROUND CONDUIT CONTAINING TRAFFIC SIGNAL CABLE/WIRE
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD
- PEDESTRIAN HEAD WITH PUSH BUTTON (APS)
- CITY OF MILWAUKEE LIGHTING LUMINAIRE
- CITY OF MILWAUKEE VAULT OR PULL BOX

LEGEND (CON'T)

- SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- EVP DETECTOR HEAD
- GPS EVP DETECTOR HEAD
- CONFIRMATION LIGHT
- 30" X 30" NEON SIGN "NO LEFT TURN"
- WALK/DON'T WALK INDICATOR 12" (COUNTDOWN TIMER)
- TRAFFIC SIGNAL HEAD

NOTE: GRAYSHADE REPRESENTS EXISTING.



CONSTRUCTION NOTES:

1. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
2. THE ENGINEER MAY ADJUST THE LOCATIONS OF ITEMS UNDER THIS CONTRACT TO AVOID CONFLICT WITH EXISTING UTILITY FACILITIES.
3. GPS EVP INSTALLED BY CITY OF MILWAUKEE.
4. REMOVE VAULT AND REPLACE IN KIND TO MATCH PROPOSED GRADE.
5. TSP TO BE IMPLEMENTED FOR EASTBOUND AND WESTBOUND THROUGH MOVEMENTS.

2002 STATE PAVING 03/02
COUNTDOWN PED SIGNALS 10/06
VOICE INSTRUCTION; AUDIBLE PUSHBUTTON 06/08
M.P.D. CAMERA SERVICE 05/10
C.S.M. AT LOC E 03/13
STATE PROJECT 1693-35-93 10/17

TRAFFIC CONTROL SIGNAL
W. WISCONSIN AVE & N. 12TH ST
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO.

MUNICIPAL CONTACT: JOSEPH BLAKEMAN
DESIGNED BY: HNTB
REVISED BY:

PAGE 1 OF 2

PROJECT NO: 60528491	COUNTY: MILWAUKEE	EAST-WEST BRT	TRAFFIC SIGNAL PLAN	SHEET E

PRE_234

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\HNTB\cds\024129_sp.dgn PLOT DATE : 7/30/2019 11:14:12 AM PLOT BY : mjmay PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 42

W. WISCONSIN AVE & N. 12TH ST

2

CALL OUT	CONDUIT CONTENTS
1	4 #12 UF M.P.D. CAMERA SERVICE
	(2) 9 #14 LTP INTER. FROM WISCONSIN TO WELLS
	20 #14 LTP CONT. CAB. TO B
	20 #14 LTP CONT. CAB TO C
	17 #14 CONT. CAB TO E
	20 #14 LTP CONT. CAB TO J
	LEAD IN CABLE (PROBE) CONT. CAB TO OPTICOM D
	OPTICOM 1070 GPS CABLE
2	20 #14 LTP CONT. CAB TO C
	MEG. CABLE C TO CC
	OPTICOM 1070 GPS CABLE
3	17 #14 CONT. CAB TO E
	LEAD IN CABLE (PROBE) CONT. CAB TO OPTICOM D
	MEG. CABLE C TO CC
	17 #14 LTP C TO D
	4 #12 UF M.P.D. CAMERA SERVICE
4	MEG. CABLE C TO CC
5	17 #14 CONT. CAB TO E
	LEAD IN CABLE (PROBE) CONT. CAB TO OPTICOM D
	17 #14 LTP C TO D
	4 #12 UF M.P.D. CAMERA SERVICE
6	MEG. CABLE D TO DD
7	LEAD IN CABLE (PROBE) CONT. CAB TO OPTICOM D
	17 #14 LTP C TO D
	4 #12 UF M.P.D. CAMERA SERVICE
	MEG. CABLE D TO DD
8	17 #14 CONT. CAB TO E
9	MEG. CABLE E TO EE
10	17 #14 LTP G TO F
	MEG. CABLE F TO FF
11	MEG. CABLE F TO FF
12	17 #14 LTP G TO F
13	20 #14 CONT. CAB TO G
	17 #14 LTP G TO F
14	20 #14 CONT. CAB TO G
15	20 #14 LTP CONT. CAB TO H
	17 #14 LTP H TO I

CALL OUT	CONDUIT CONTENTS CONT.
16	17 #14 LTP H TO I
17	9 #14 LTP J TO JJ
18	20 #14 LTP CONT. CAB TO J
19	17 #14 B TO A
	MEG. CABLE A TO AA
20	17 #14 B TO A
	MEG. CABLE A TO AA
	20 #14 LTP CONT. CAB TO J
21	MEG. CABLE A TO AA
22	17 #14 B TO A
	20 #14 LTP CONT. CAB TO J
23	MEG. CABLE B TO BB
24	17 #14 B TO A
	20 #14 LTP CONT. CAB TO J
	MEG. CABLE B TO BB
25	20 #14 LTP CONT. CAB TO B
	MEG. CABLE B TO BB
26	20 #14 LTP CONT. CAB TO B
	20 #14 LTP CONT. CAB TO J
27	20 #14 LTP CONT. CAB TO H
	20 #14 LTP CONT. CAB TO G
	7 #14 LL INTER. FROM WISCONSIN & 12TH TO WISCONSIN & 13TH
	2 #4/1 #8 LTP SERVICE TO CONT. CAB AT WISCONSIN & 13TH
	3 #6/1 #8 LTP SERVICE TO CONT. CAB AT WISCONSIN & 12TH
	9 #14 LTP INTER. FROM WISCOONSIN &11TH TO CONT. CAB
28	9 #14 LTP INTER. FROM WISCOONSIN &11TH TO CONT. CAB
29	20 #14 LTP CONT. CAB TO H
	20 #14 LTP CONT. CAB TO G
	3 #6/1 #8 LTP SERVICE TO CONT. CAB AT WISCONSIN & 12TH
30	3 #6/1 #8 LTP SERVICE TO CONT. CAB AT WISCONSIN & 12TH
31	20 #14 LTP CONT. CAB TO H
	20 #14 LTP CONT. CAB TO G
32	7 #14 LL INTER. FROM WISCONSIN & 12TH TO WISCONSIN & 13TH
	2 #4/1 #8 LTP SERVICE TO CONT. CAB AT WISCONSIN & 13TH

PROJECT NO: 60524891	COUNTY: MILWAUKEE	EAST-WEST BRT	CABLE ROUTING	SHEET:	E

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\HNTB\base\BRT_sp_cr.ppt PLOT DATE : 7/28/2019 5:15:29 PM PLOT BY : HNTB PLOT NAME : 024020_sp_cr<#> PLOT SCALE : 1:1

LEGEND

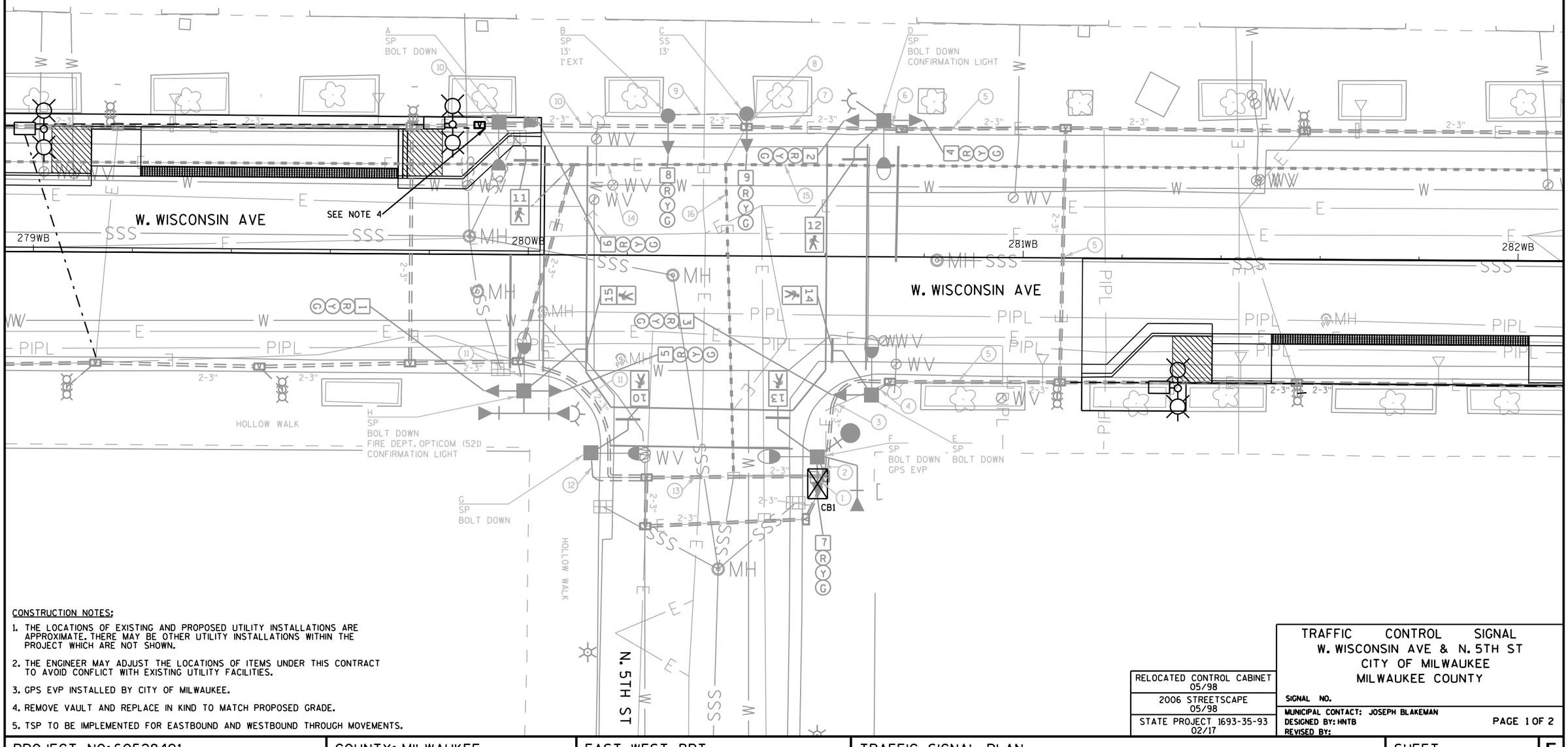
- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- CITY UNDERGROUND CONDUIT
- CITY UNDERGROUND CONDUIT CONTAINING TRAFFIC SIGNAL CABLE/WIRE
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD
- PEDESTRIAN HEAD
- CITY OF MILWAUKEE LIGHTING LUMINAIRE
- CITY OF MILWAUKEE VAULT OR PULL BOX

LEGEND (CON'T)

- SIGNAL HEAD NUMBER
- RED CIRCULAR INDICATOR
- YELLOW CIRCULAR INDICATOR
- GREEN CIRCULAR INDICATOR
- EVP DETECTOR HEAD
- GPS EVP DETECTOR HEAD
- CONFIRMATION LIGHT
- WALK/DON'T WALK INDICATOR 12" (COUNTDOWN TIMER)
- TRAFFIC SIGNAL HEAD

N

GRAYSHADE REPRESENTS EXISTING.



CONSTRUCTION NOTES;

1. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
2. THE ENGINEER MAY ADJUST THE LOCATIONS OF ITEMS UNDER THIS CONTRACT TO AVOID CONFLICT WITH EXISTING UTILITY FACILITIES.
3. GPS EVP INSTALLED BY CITY OF MILWAUKEE.
4. REMOVE VAULT AND REPLACE IN KIND TO MATCH PROPOSED GRADE.
5. TSP TO BE IMPLEMENTED FOR EASTBOUND AND WESTBOUND THROUGH MOVEMENTS.

RELOCATED CONTROL CABINET 05/98
2006 STREETSCAPE 05/98
STATE PROJECT 1693-35-93 02/17

TRAFFIC CONTROL SIGNAL
W. WISCONSIN AVE & N. 5TH ST
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO.

MUNICIPAL CONTACT: JOSEPH BLAKEMAN
DESIGNED BY: HNTB
REVISED BY:

PAGE 1 OF 2

PROJECT NO: 60528491	COUNTY: MILWAUKEE	EAST-WEST BRT	TRAFFIC SIGNAL PLAN	SHEET E

PRE_236

CALL OUT	CONDUIT CONTENTS
1	LEAD IN CABLE (PROBE) CONT. CAB. TO OPTICOM F
	9 #14 LTP CONT. CAB TO F
	12 #14 LTP CONT. CAB TO A
	9 #14 LTP CONT. CAB TO B
	9 #14 LTP CONT. CAB TO C
	17 #14 LTP CONT. CAB TO D
	12 #14 LTP CONT. CAB TO E
	OPTICOM 1070 GPS CABLE
2	LEAD IN CABLE (PROBE) CONT. CAB. TO OPTICOM F
	9 #14 LTP CONT. CAB TO F
	OPTICOM 1070 GPS CABLE
3	12 #14 LTP CONT. CAB TO A
	9 #14 LTP CONT. CAB TO B
	9 #14 LTP CONT. CAB TO C
	17 #14 LTP CONT. CAB TO D
	12 #14 LTP CONT. CAB TO E
4	12 #14 LTP CONT. CAB TO E
5	12 #14 LTP CONT. CAB TO A
	9 #14 LTP CONT. CAB TO B
	9 #14 LTP CONT. CAB TO C
	17 #14 LTP CONT. CAB TO D
6	17 #14 LTP CONT. CAB TO D
7	12 #14 LTP CONT. CAB TO A
	9 #14 LTP CONT. CAB TO B
	9 #14 LTP CONT. CAB TO C
8	9 #14 LTP CONT. CAB TO C
9	9 #14 LTP CONT. CAB TO B
10	12 #14 LTP CONT. CAB TO A
11	LEAD IN CABLE (PROBE) CONT. CAB. TO OPTICOM H
	17 #14 LTP CONT. CAB TO H
12	9 #14 LTP CONT. CAB TO G
13	LEAD IN CABLE (PROBE) CONT. CAB. TO OPTICOM H
	17 #14 LTP CONT. CAB TO H
	9 #14 LTP CONT. CAB TO G
14	3 #2 LTP SERV. FROM MH AT 5TH & WISCONSIN TO MH AT NW CORNER OF 6TH & WISCONSIN FEEDER LOOP
	12 #14 LTP INTER. TO 4TH ST
15	3 #2 LTP SERV. FROM MH AT 5TH & WISCONSIN TO MH AT NW CORNER OF 6TH & WISCONSIN FEEDER LOOP
	12 #14 LTP INTER. TO 6TH ST
16	3 #4/1 #8 LTP SERV. SERVICE FEED

LEGEND

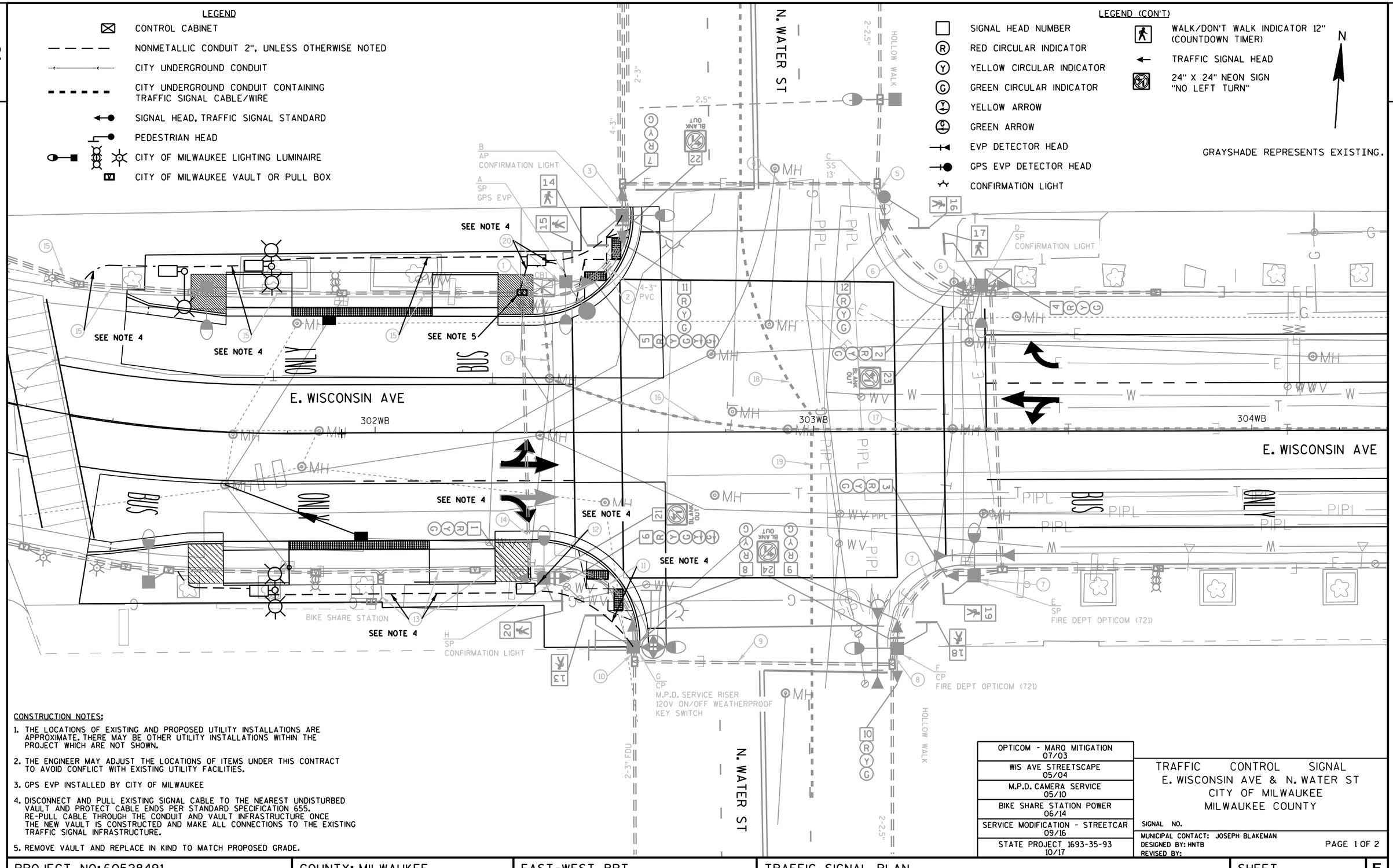
- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- CITY UNDERGROUND CONDUIT
- CITY UNDERGROUND CONDUIT CONTAINING TRAFFIC SIGNAL CABLE/WIRE
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD
- PEDESTRIAN HEAD
- CITY OF MILWAUKEE LIGHTING LUMINAIRE
- CITY OF MILWAUKEE VAULT OR PULL BOX

LEGEND (CON'T)

- SIGNAL HEAD NUMBER
- RED CIRCULAR INDICATOR
- YELLOW CIRCULAR INDICATOR
- GREEN CIRCULAR INDICATOR
- YELLOW ARROW
- GREEN ARROW
- EVP DETECTOR HEAD
- GPS EVP DETECTOR HEAD
- CONFIRMATION LIGHT
- WALK/DON'T WALK INDICATOR 12" (COUNTDOWN TIMER)
- TRAFFIC SIGNAL HEAD
- 24" X 24" NEON SIGN "NO LEFT TURN"

N

GRAYSHADE REPRESENTS EXISTING.



CONSTRUCTION NOTES:

1. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
2. THE ENGINEER MAY ADJUST THE LOCATIONS OF ITEMS UNDER THIS CONTRACT TO AVOID CONFLICT WITH EXISTING UTILITY FACILITIES.
3. GPS EVP INSTALLED BY CITY OF MILWAUKEE
4. DISCONNECT AND PULL EXISTING SIGNAL CABLE TO THE NEAREST UNDISTURBED VAULT AND PROTECT CABLE ENDS PER STANDARD SPECIFICATION 655. RE-PULL CABLE THROUGH THE CONDUIT AND VAULT INFRASTRUCTURE ONCE THE NEW VAULT IS CONSTRUCTED AND MAKE ALL CONNECTIONS TO THE EXISTING TRAFFIC SIGNAL INFRASTRUCTURE.
5. REMOVE VAULT AND REPLACE IN KIND TO MATCH PROPOSED GRADE.

OPTICOM - MARQ MITIGATION 07/03
WIS AVE STREETSCAPE 05/04
M.P.D. CAMERA SERVICE 05/10
BIKE SHARE STATION POWER 06/14
SERVICE MODIFICATION - STREETCAR 09/16
STATE PROJECT 1693-35-93 10/17

TRAFFIC CONTROL SIGNAL
E. WISCONSIN AVE & N. WATER ST
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO.

MUNICIPAL CONTACT: JOSEPH BLAKEMAN
DESIGNED BY: HNTB
REVISED BY:

PROJECT NO: 60528491	COUNTY: MILWAUKEE	EAST-WEST BRT	TRAFFIC SIGNAL PLAN	SHEET E

PRE_238

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\HNTB\cds\024140_sp.dgn PLOT DATE : 7/30/2019 11:17:51 AM PLOT BY : mjmay PLOT NAME : PLOT SCALE : 1:20

E. WISCONSIN & N. WATER ST

2

CALL OUT	CONDUIT CONTENTS
1	17 #14 LTP CONT. CAB TO B
	20 #14 LTP CONT. CAB TO C
	4 #12 UF M.P.D. SERVICE
	20 #14 LTP CONT. CAB TO F
	20 #14 LTP CONT. CAB TO H
	LEAD IN CABLE (PROBE) CONT. CAB TO E - OPTICOM
	LEAD IN CABLE (PROBE) CONT. CAB TO F - OPTICOM
	3 #12 UF POWER FEED TO BIKE SHARE UNIT
	3 #12 UF POWER FEED TO BIKE SHARE KEY SWITCH
	9 #14 PRE-EMPT. TO BRIDGE
	2 #12 UF SERVICE FROMM CONT. CAB AT WATER ST
	17 #14 LTP CONT. CAB TO A
	OPTICOM 1070 GPS CABLE
2	17 #14 LTP CONT. CAB TO B
	20 #14 LTP CONT. CAB TO C
	OPTICOM 1070 GPS CABLE
3	17 #14 LTP CONT. CAB TO B
4	20 #14 LTP CONT. CAB TO C
5	20 #14 LTP CONT. CAB TO C
	17 #14 LTP C TO D
6	17 #14 LTP C TO D
7	17 #14 LTP F TO E
	LEAD IN CABLE (PROBE) CONT. CAB TO E - OPTICOM
8	20 #14 LTP CONT. CAB TO F
	LEAD IN CABLE (PROBE) CONT. CAB TO F - OPTICOM
	17 #14 LTP F TO E
9	20 #14 LTP CONT. CAB TO F
	LEAD IN CABLE (PROBE) CONT. CAB TO E - OPTICOM
	LEAD IN CABLE (PROBE) CONT. CAB TO F - OPTICOM
10	17 #14 LTP H TO G
	4 #12 UF M.P.D. SERVICE
	3 #12 UF POWER FEED TO BIKE SHARE UNIT
	3 #12 UF POWER FEED TO BIKE SHARE KEY SWITCH
11	20 #14 LTP CONT. CAB TO F
	LEAD IN CABLE (PROBE) CONT. CAB TO E - OPTICOM
	LEAD IN CABLE (PROBE) CONT. CAB TO F - OPTICOM
	4 #12 UF M.P.D. SERVICE
	3 #12 UF POWER FEED TO BIKE SHARE UNIT
	3 #12 UF POWER FEED TO BIKE SHARE KEY SWITCH
	17 #14 LTP H TO G

CALL OUT	CONDUIT CONTENTS CONT.
12	20 #14 LTP CONT. CAB TO H
	17 #14 LTP H TO G
13	3 #12 UF POWER FEED TO BIKE SHARE UNIT
14	20 #14 LTP CONT. CAB TO F
	20 #14 LTP CONT. CAB TO H
	LEAD IN CABLE (PROBE) CONT. CAB TO E - OPTICOM
	LEAD IN CABLE (PROBE) CONT. CAB TO F - OPTICOM
	4 #12 UF M.P.D. SERVICE
	3 #12 UF POWER FEED TO BIKE SHARE KEY SWITCH
15	9 #14 PRE-EMPT TO BRIDGE
	2 #12 SERVICE FROM CONT. CAB AT WATER ST
16	3 #4/1 #8 LTP SERVICE 120V TO BROADWAY & WISCONSIN
	9 #14 LTP INTER. TO BRIDGE
	9 #14 LTP INTER. TO BROADWAY
	2 #4/1 #8 LTP SERV. MICHIGAN TO WISCONSIN
	9 #14 LTP INTER. TO MASON
17	3 #4/1 #8 LTP SERVICE 120V TO BROADWAY & WISCONSIN
	9 #14 LTP INTER. TO BROADWAY
18	9 #14 LTP INTER. TO MASON
19	2 #4/1 #8 LTP SERV. MICHIGAN TO WISCONSIN
20	17 #14 LTP CONT. CAB TO A

PROJECT NO: 60524891	COUNTY: MILWAUKEE	EAST-WEST BRT	CABLE ROUTING	SHEET:	E

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\HNTB\base\BRT_sp_cr.ppt PLOT DATE : 7/28/2019 5:15:29 PM PLOT BY : HNTB PLOT NAME : 024020_sp_cr‹#› PLOT SCALE : 1:1

LEGEND

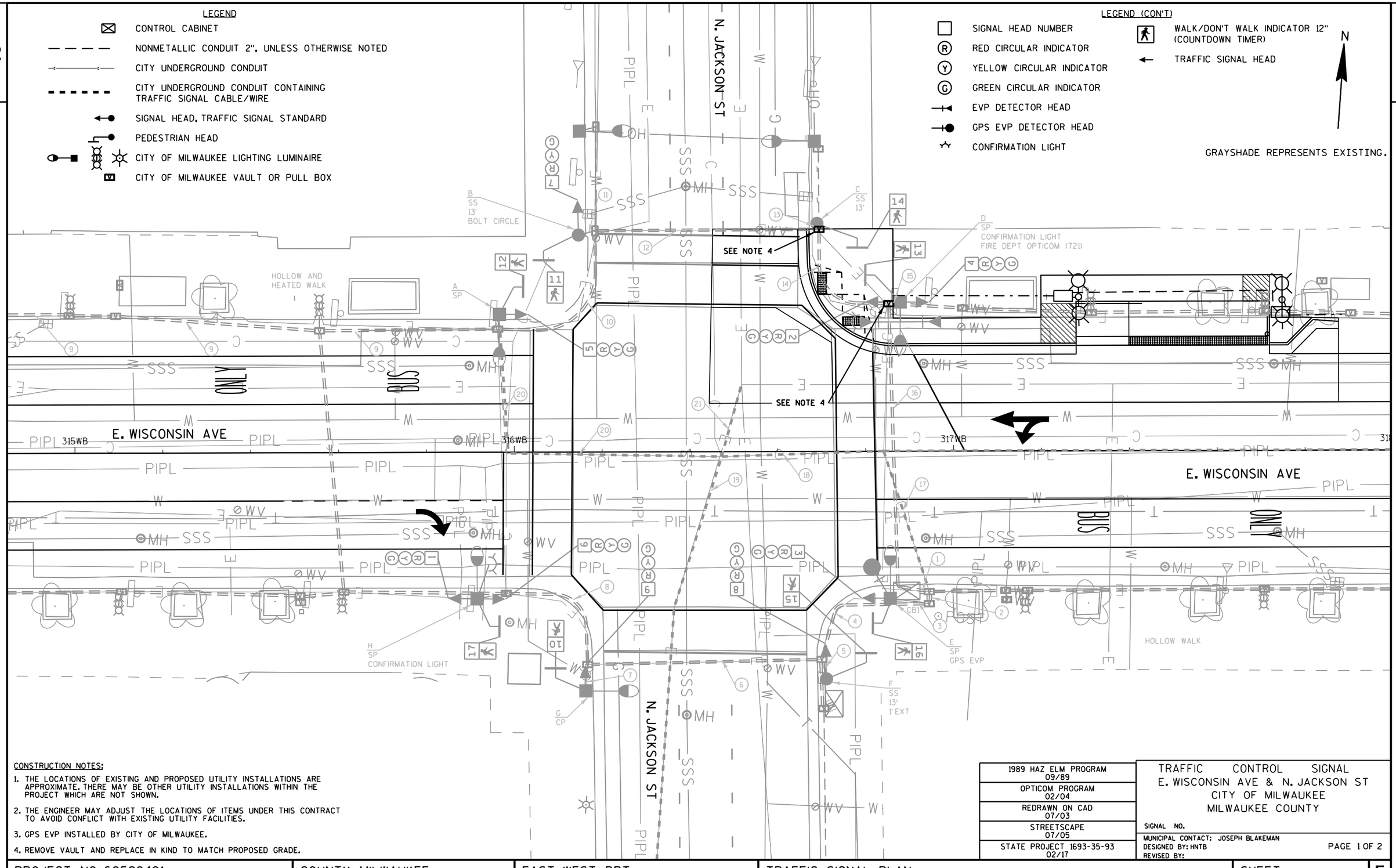
- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- CITY UNDERGROUND CONDUIT
- CITY UNDERGROUND CONDUIT CONTAINING TRAFFIC SIGNAL CABLE/WIRE
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD
- PEDESTRIAN HEAD
- CITY OF MILWAUKEE LIGHTING LUMINAIRE
- CITY OF MILWAUKEE VAULT OR PULL BOX

LEGEND (CON'T)

- SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- EVP DETECTOR HEAD
- GPS EVP DETECTOR HEAD
- CONFIRMATION LIGHT
- WALK/DON'T WALK INDICATOR 12" (COUNTDOWN TIMER)
- TRAFFIC SIGNAL HEAD

N

GRAYSHADE REPRESENTS EXISTING.



CONSTRUCTION NOTES;

1. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
2. THE ENGINEER MAY ADJUST THE LOCATIONS OF ITEMS UNDER THIS CONTRACT TO AVOID CONFLICT WITH EXISTING UTILITY FACILITIES.
3. GPS EVP INSTALLED BY CITY OF MILWAUKEE.
4. REMOVE VAULT AND REPLACE IN KIND TO MATCH PROPOSED GRADE.

1989 HAZ ELM PROGRAM 09/89
OPTICOM PROGRAM 02/04
REDRAWN ON CAD 07/03
STREETSCAPE 07/05
STATE PROJECT 1693-35-93 02/17

TRAFFIC CONTROL SIGNAL
E. WISCONSIN AVE & N. JACKSON ST
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO.

MUNICIPAL CONTACT: JOSEPH BLAKEMAN
DESIGNED BY: HNTB
REVISED BY:

PAGE 1 OF 2

PROJECT NO: 60528491	COUNTY: MILWAUKEE	EAST-WEST BRT	TRAFFIC SIGNAL PLAN	SHEET E

PRE_240

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\HNTB\cds\024144_sp.dgn PLOT DATE : 7/30/2019 11:35:12 AM PLOT BY : mjmay PLOT NAME : PLOT SCALE : 1:20

E. WISCONSIN AVE & N. JACKSON ST

2

CALL OUT	CONDUIT CONTENTS
1	12 #14 LTP CONT. CAB TO E
	12 #14 LTP CONT. CAB TO F
	20 #14 LTP CONT. CAB TO G
	17 #14 LTP CONT. CAB TO B
	17 #14 LTP CONT. CAB TO D
	LEAD IN CABLE (PROBE) CONT CAB TO D - OPTICOM
	OPTICOM 1070 GPS CABLE
	9 #14 LTP INTER. FROM JEFFERSON
	9 #14 LTP INTER. CONT. CAB TO MICHIGAN
	2-4 #14 LTP INTER. FROM CONT. CAB TO SPLICE TO 8 #14 LTP IN MH #1 TO VAN BUREN
	2 #4 LTP SERVICE WEPCO MH TO CONT. CAB
2	12 #14 LTP CONT. CAB TO E
	12 #14 LTP CONT. CAB TO F
	20 #14 LTP CONT. CAB TO G
	OPTICOM 1070 GPS CABLE
3	12 #14 LTP CONT. CAB TO E
	OPTICOM 1070 GPS CABLE
4	12 #14 LTP CONT. CAB TO F
	20 #14 LTP CONT. CAB TO G
5	12 #14 LTP CONT. CAB TO F
6	20 #14 LTP CONT. CAB TO G
7	20 #14 LTP CONT. CAB TO G
	17 #14 LTP G TO H
8	17 #14 LTP G TO H
9	9 #14 LTP INTER. FROM JEFFERSON
10	12 #14 LTP B TO A
11	17 #14 LTP CONT. CAB TO B
	12 #14 LTP B TO A

CALL OUT	CONDUIT CONTENTS CONT.
12	17 #14 LTP CONT. CAB TO B
13	12 #14 LTP D TO C
14	17 #14 LTP CONT. CAB TO B
	12 #14 LTP D TO C
15	17 #14 LTP CONT. CAB TO D
	LEAD IN CABLE (PROBE) CONT CAB TO D - OPTICOM
	12 #14 LTP D TO C
16	17 #14 LTP CONT. CAB TO B
	17 #14 LTP CONT. CAB TO D
	LEAD IN CABLE (PROBE) CONT CAB TO D - OPTICOM
17	9 #14 LTP INTER. FROM JEFFERSON
	9 #14 LTP INTER. CONT. CAB TO MICHIGAN
	2-4 #14 LTP INTER. FROM CONT. CAB TO SPLICE TO 8 #14 LTP IN MH #1 TO VAN BUREN
	2 #4 LTP SERVICE WEPCO MH TO CONT. CAB
18	9 #14 LTP INTER. FROM CONT. CAB AT JACKSON & WISCONSIN TO CONT. CAB AT JACKSON & MICHIGAN
	9 #14 LTP INTER. FROM JEFFERSON
19	9 #14 LTP INTER. FROM CONT. CAB AT JACKSON & WISCONSIN TO CONT. CAB AT JACKSON & MICHIGAN
20	9 #14 LTP INTER. FROM JEFFERSON
21	2 #13 LTP SERVICE WEPCO MH TO CONT. CAB

2

LEGEND

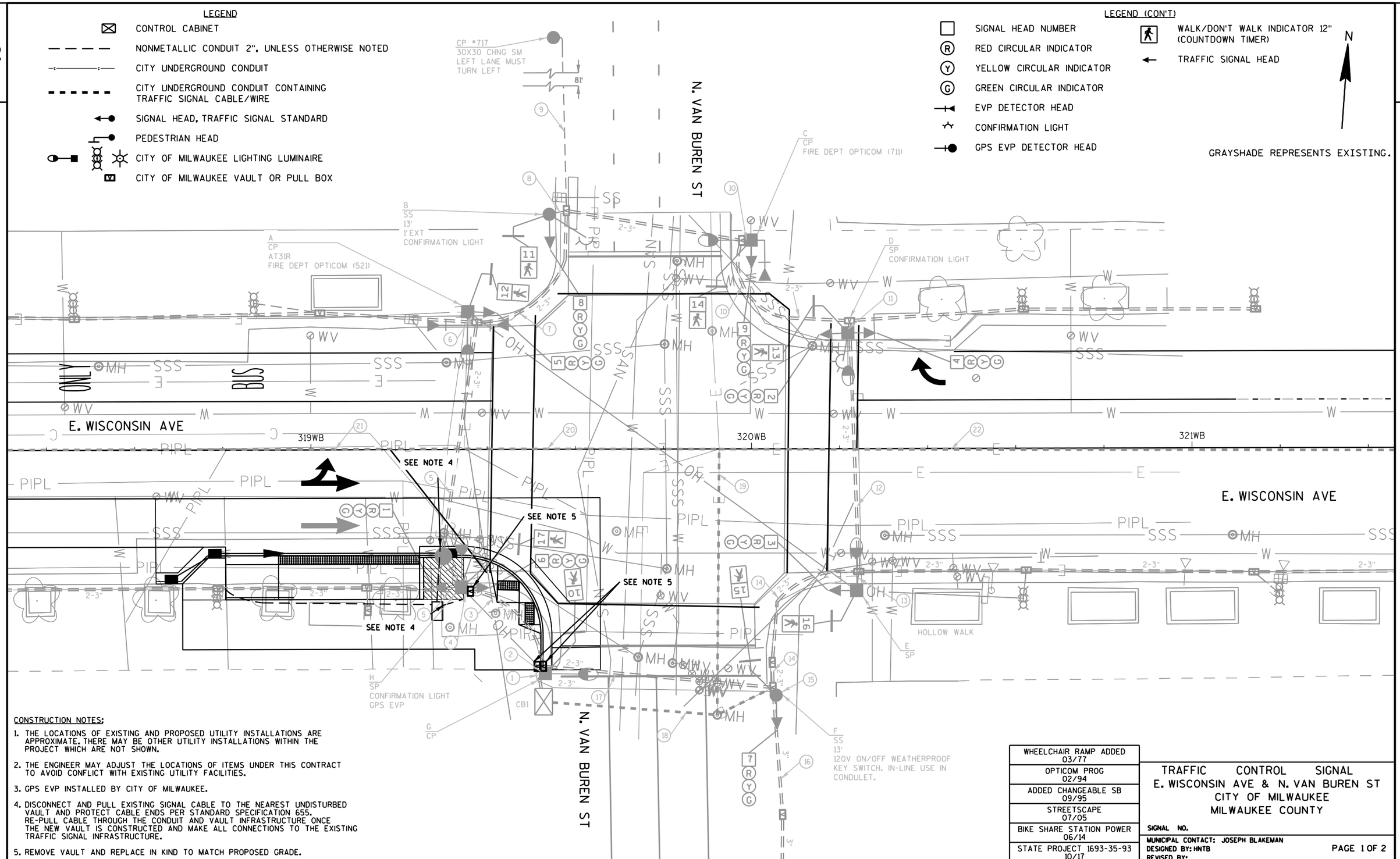
- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- CITY UNDERGROUND CONDUIT
- CITY UNDERGROUND CONDUIT CONTAINING TRAFFIC SIGNAL CABLE/WIRE
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD
- PEDESTRIAN HEAD
- CITY OF MILWAUKEE LIGHTING LUMINAIRE
- CITY OF MILWAUKEE VAULT OR PULL BOX

LEGEND (CON'T)

- SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- EVP DETECTOR HEAD
- CONFIRMATION LIGHT
- GPS EVP DETECTOR HEAD
- WALK/DON'T WALK INDICATOR 12" (COUNTDOWN TIMER)
- TRAFFIC SIGNAL HEAD

N

GRAYSHADE REPRESENTS EXISTING.



CONSTRUCTION NOTES;

1. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
2. THE ENGINEER MAY ADJUST THE LOCATIONS OF ITEMS UNDER THIS CONTRACT TO AVOID CONFLICT WITH EXISTING UTILITY FACILITIES.
3. GPS EVP INSTALLED BY CITY OF MILWAUKEE.
4. DISCONNECT AND PULL EXISTING SIGNAL CABLE TO THE NEAREST UNDISTURBED VAULT AND PROTECT CABLE ENDS PER STANDARD SPECIFICATION 655. RE-PULL CABLE THROUGH THE CONDUIT AND VAULT INFRASTRUCTURE ONCE THE NEW VAULT IS CONSTRUCTED AND MAKE ALL CONNECTIONS TO THE EXISTING TRAFFIC SIGNAL INFRASTRUCTURE.
5. REMOVE VAULT AND REPLACE IN KIND TO MATCH PROPOSED GRADE.

WHEELCHAIR RAMP ADDED 03/77
OPTICOM PROG 02/94
ADDED CHANGEABLE SB 09/95
STREETSCAPE 07/05
BIKE SHARE STATION POWER 06/14
STATE PROJECT 1693-35-93 10/17

TRAFFIC CONTROL SIGNAL
E. WISCONSIN AVE & N. VAN BUREN ST
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO.

MUNICIPAL CONTACT: JOSEPH BLAKEMAN
DESIGNED BY: HNTB
REVISED BY:

PROJECT NO: 60528491	COUNTY: MILWAUKEE	EAST-WEST BRT	TRAFFIC SIGNAL PLAN	SHEET E

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\HNTB\cds\024145_sp.dgn PLOT DATE : 7/30/2019 11:26:32 AM PLOT BY : mjmay PLOT NAME : PLOT SCALE : 1:20

E. WISCONSIN AVE & N. VAN BUREN ST

2

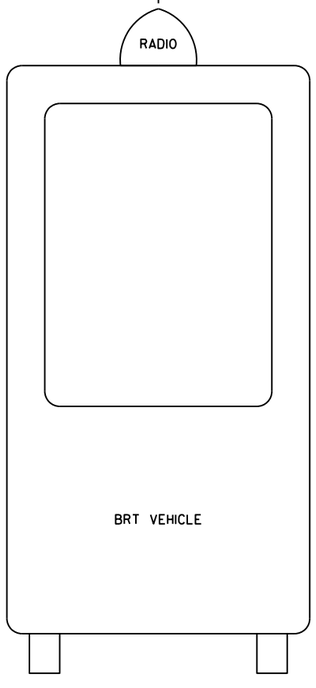
CALL OUT	CONDUIT CONTENTS
1	12 #14 LTP CONT. CAB TO G
	17 #14 LTP CONT. CAB TO A
	LEAD IN CABLE (PROVE) CONT. CAB TO A - OPTICOM
	9 #14 LTP CONT. CAB TO CP#717
	17 #14 LTP CONT. CAB TO H
	20 #14 LTP CONT. CAB TO D
	17 #14 LTP CONT. CAB TO F
	3 #12 UF POWER FEED TO BIKE SHARE KEY SWTICH
	OPTICOM 1070 GPS CABLE
2	12 #14 LTP CONT. CAB TO G
3	17 #14 LTP CONT. CAB TO A
	LEAD IN CABLE (PROVE) CONT. CAB TO A - OPTICOM
	9 #14 LTP CONT. CAB TO CP#717
	17 #14 LTP CONT. CAB TO H
	OPTICOM 1070 GPS CABLE
4	17 #14 LTP CONT. CAB TO H
	OPTICOM 1070 GPS CABLE
5	17 #14 LTP CONT. CAB TO A
	LEAD IN CABLE (PROVE) CONT. CAB TO A - OPTICOM
	9 #14 LTP CONT. CAB TO CP#717
6	17 #14 LTP CONT. CAB TO A
	LEAD IN CABLE (PROVE) CONT. CAB TO A - OPTICOM
	12 #14 LTP A TO B
7	12 #14 LTP A TO B
	9 #14 LTP CONT. CAB TO CP#717
8	12 #14 LTP A TO B
9	9 #14 LTP CONT. CAB TO CP#717
10	17 #14 LTP D TO C
	LEAD IN CABLE (PROVE) CONT. CAB TO C - OPTICOM
11	17 #14 LTP D TO C
	20 #14 LTP CONT. CAB TO D
	LEAD IN CABLE (PROBE) CONT. CAB TO C - OPTICOM

CALL OUT	CONDUIT CONTENTS CONT.
12	20 #14 LTP CONT. CAB TO D
	LEAD IN CABLE (PROBE) CONT. CAB TO C - OPTICOM
13	12 #14 LTP F TO E
14	12 #14 LTP F TO E
	20 #14 LTP CONT. CAB TO D
	LEAD IN CABLE (PROBE) CONT. CAB TO C - OPTICOM
15	12 #14 LTP F TO E
	17 #14 LTP CONT. CAB TO F
	3 #12 UF POWER FEED TO BIKE SHARE KEY SWTICH
16	3 #12 UF POWER FEED TO BIKE SHARE UNIT
17	20 #14 LTP CONT. CAB TO D
	17 #14 LTP CONT. CAB TO F
	3 #12 UF POWER FEED TO BIKE SHARE KEY SWTICH
18	9 #14 LTP INTER. TO CASS # WISCONSIN
	9 #14 LTP INTER. FROM JACKSON & WISCONSIN
	2 #14 LTP SERVICE LEAD IN CABLE (PROBE) CONT. CAB TO C - OPTICOM
19	2-4 #14 LTP INTER. FROM JACKSON & WISCONSIN
	2 #4 LTP SERVICE
	9 #14 LTP INTER. TO CASS # WISCONSIN
20	2-4 #14 LTP INTER. FROM JACKSON & WISCONSIN
21	8 #14 LTP INTER. FROM JACKSON & WISCONSIN TO WISCONSIN & VAN BUREN
22	9 #14 LTP INTER. TO CASS # WISCONSIN

PROJECT NO: 60524891	COUNTY: MILWAUKEE	EAST-WEST BRT	CABLE ROUTING	SHEET:	E

FILE NAME : pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\HNTB\base\BRT_sp_cr.ppt PLOT DATE : 7/28/2019 5:15:29 PM PLOT BY : HNTB PLOT NAME : 024020_sp_cr.#› PLOT SCALE : 1:1

2

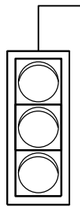


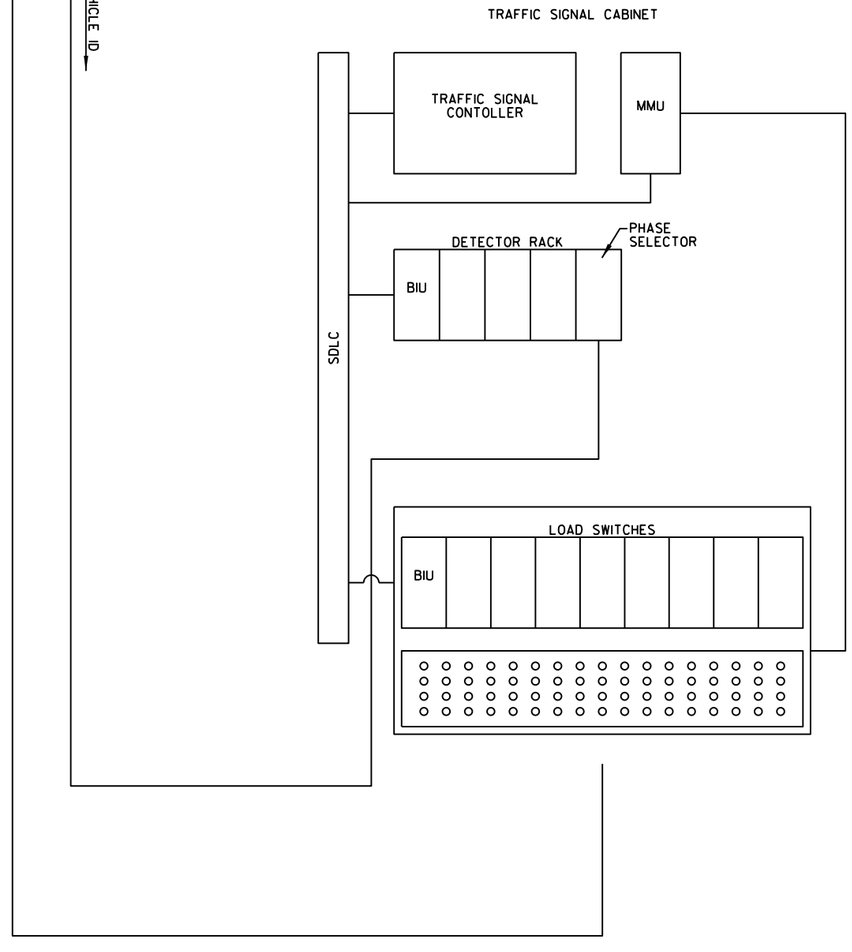
2.4 GHZ SPREAD SPECTRUM RADIO SIGNAL

TSP REQUEST/VEHICLE ID

RADIO

TSP REQUEST/VEHICLE ID





TRANSIT SIGNAL PRIORITY (TSP) SCHEMATIC

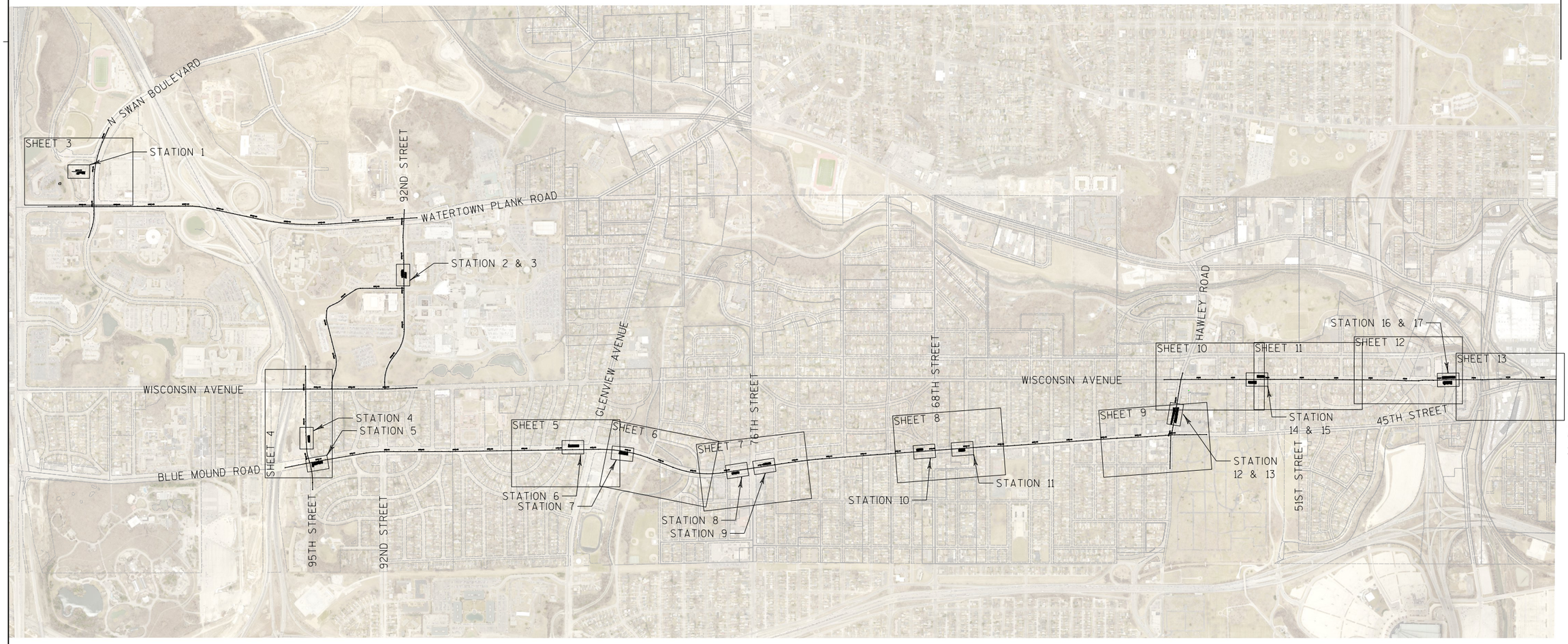
2

VEHICLE-TO-INFRASTRUCTURE (V2I) COMMUNICATIONS

INTERSECTION	OWNER	OPERATOR	EXISTING V2I COMMUNICATIONS	PROPOSED V2I COMMUNICATIONS	TRANSIT SIGNAL PRIORITY	NOTES
WATERTOWN PLANK RD & SWAN BLVD	CITY OF WAUWATOSA	CITY OF WAUWATOSA / WISDOT		X	X	
WATERTOWN PLANK RD & DISCOVERY PKWY	CITY OF WAUWATOSA	CITY OF WAUWATOSA / WISDOT		X	X	
WATERTOWN PLANK RD & 92ND ST	CITY OF WAUWATOSA	CITY OF WAUWATOSA / WISDOT		X	X	
CONNELL AVE & 92ND ST	MILWAUKEE COUNTY	MILWAUKEE COUNTY		X	X	
WISCONSIN AVE & 92ND ST	CITY OF MILWAUKEE	CITY OF MILWAUKEE / WISDOT	X		X	
WISCONSIN AVE & 95TH ST	CITY OF MILWAUKEE	CITY OF MILWAUKEE	X		X	
USH 18 (BLUEMOUND RD) & 95TH ST	WISDOT	WISDOT				
USH 18 (BLUEMOUND RD) & 92ND ST	WISDOT	WISDOT		X	X	
USH 18 (BLUEMOUND RD) & STH 181 (GLENVIEW AVE)	WISDOT	WISDOT		X	X	
USH 18 (BLUEMOUND RD) & 76TH ST	CITY OF MILWAUKEE	CITY OF MILWAUKEE	X		X	
USH 18 (BLUEMOUND RD) & 68TH ST	CITY OF WAUWATOSA	CITY OF MILWAUKEE	X		X	
USH 18 (BLUEMOUND RD) & HAWLEY RD	CITY OF MILWAUKEE	CITY OF MILWAUKEE	X		X	
WISCONSIN AVE & HAWLEY RD	CITY OF MILWAUKEE	CITY OF MILWAUKEE	X		X	
WISCONSIN AVE & 46TH ST	CITY OF MILWAUKEE	CITY OF MILWAUKEE	X		X	
WISCONSIN AVE & 45TH ST	CITY OF MILWAUKEE	CITY OF MILWAUKEE	X		X	
WISCONSIN AVE & 36TH ST	CITY OF MILWAUKEE	CITY OF MILWAUKEE	X		X	
WISCONSIN AVE & 35TH ST	CITY OF MILWAUKEE	CITY OF MILWAUKEE	X		X	
WISCONSIN AVE & 32ND ST	CITY OF MILWAUKEE	CITY OF MILWAUKEE	X		X	
WISCONSIN AVE & 27TH ST	CITY OF MILWAUKEE	CITY OF MILWAUKEE	X		X	
WISCONSIN AVE & 26TH ST	CITY OF MILWAUKEE	CITY OF MILWAUKEE	X		X	
WISCONSIN AVE & 27TH ST	CITY OF MILWAUKEE	CITY OF MILWAUKEE	X		X	
WISCONSIN AVE & 26TH ST	CITY OF MILWAUKEE	CITY OF MILWAUKEE	X		X	
WISCONSIN AVE & 24TH ST	CITY OF MILWAUKEE	CITY OF MILWAUKEE	X		X	
WISCONSIN AVE & 19TH ST	CITY OF MILWAUKEE	CITY OF MILWAUKEE	X		X	
WISCONSIN AVE & 17TH ST	CITY OF MILWAUKEE	CITY OF MILWAUKEE	X		X	
WISCONSIN AVE & 16TH ST	CITY OF MILWAUKEE	CITY OF MILWAUKEE	X		X	
WISCONSIN AVE & 15TH ST	CITY OF MILWAUKEE	CITY OF MILWAUKEE	X			
WISCONSIN AVE & 14TH ST	CITY OF MILWAUKEE	CITY OF MILWAUKEE	X			
WISCONSIN AVE & 13TH ST	CITY OF MILWAUKEE	CITY OF MILWAUKEE	X			
WISCONSIN AVE & 12TH ST	CITY OF MILWAUKEE	CITY OF MILWAUKEE	X		X	
WISCONSIN AVE & 11TH ST	CITY OF MILWAUKEE	CITY OF MILWAUKEE	X			
WISCONSIN AVE & 10TH ST	CITY OF MILWAUKEE	CITY OF MILWAUKEE	X			
WISCONSIN AVE & 8TH ST	CITY OF MILWAUKEE	CITY OF MILWAUKEE	X			
WISCONSIN AVE & JAMES LOVELL ST	CITY OF MILWAUKEE	CITY OF MILWAUKEE	X			
WISCONSIN AVE & 6TH ST	CITY OF MILWAUKEE	CITY OF MILWAUKEE	X			
WISCONSIN AVE & 5TH ST	CITY OF MILWAUKEE	CITY OF MILWAUKEE	X		X	
WISCONSIN AVE & VEL R PHILLIPS AVE	CITY OF MILWAUKEE	CITY OF MILWAUKEE	X			
WISCONSIN AVE & 3RD ST	CITY OF MILWAUKEE	CITY OF MILWAUKEE	X			
WISCONSIN AVE & 2ND ST	CITY OF MILWAUKEE	CITY OF MILWAUKEE	X			
WISCONSIN AVE & PLANKINTON AVE	CITY OF MILWAUKEE	CITY OF MILWAUKEE	X			
WISCONSIN AVE & WATER ST	CITY OF MILWAUKEE	CITY OF MILWAUKEE	X			
WISCONSIN AVE & MILWAUKEE ST	CITY OF MILWAUKEE	CITY OF MILWAUKEE	X			
WISCONSIN AVE & JEFFERSON ST	CITY OF MILWAUKEE	CITY OF MILWAUKEE	X			
WISCONSIN AVE & JACKSON ST	CITY OF MILWAUKEE	CITY OF MILWAUKEE	X			
WISCONSIN AVE & VAN BUREN ST	CITY OF MILWAUKEE	CITY OF MILWAUKEE	X			

STATIONS

STATION 1 - WATERTOWN PLANK PARK & RIDE
STATION 2 & 3 - 92ND ST & CONNELL AVE
STATION 4 - 95TH ST & BLUE MOUND RD NB
STATION 5 - BLUE MOUND RD & 95TH ST EB
STATION 6 - BLUE MOUND RD & GLENVIEW AVE WB
STATION 7 - BLUE MOUND RD & GLENVIEW AVE EB
STATION 8 - BLUE MOUND RD & 76TH ST WB
STATION 9 - BLUE MOUND RD & 76TH ST EB
STATION 10 - BLUE MOUND RD & 68TH ST WB
STATION 11 - BLUE MOUND RD & 68TH ST EB
STATION 12 & 13 - HAWLEY RD & MICHIGAN ST NB & SB
STATION 14 & 15 - WISCONSIN AVE & 53RD ST EB & WB
STATION 16 & 17 - WISCONSIN AVE & 45TH ST EB & WB



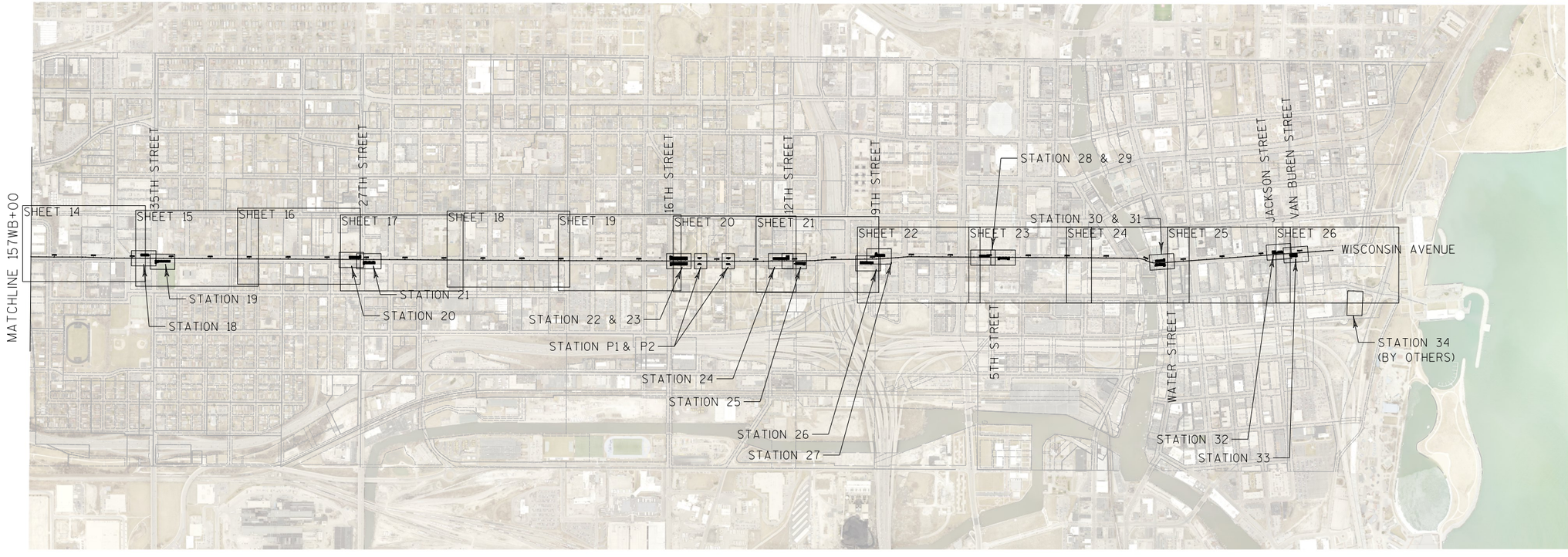
PROJECT NO:60528491	COUNTY:MILWAUKEE	EAST - WEST BRT	MARKING OVERVIEW	SHEET E

FILE NAME : \\aecompw05ics01\iCS_pdf_work_dir\9719\221962_181\024500_pm.dgn PLOT DATE : 8/2/2019 PLOT BY : aecompw05ics01$ PLOT NAME : PLOT SCALE : 1500.0000 sf / in. WISDOT/CADDS SHEET 42

N

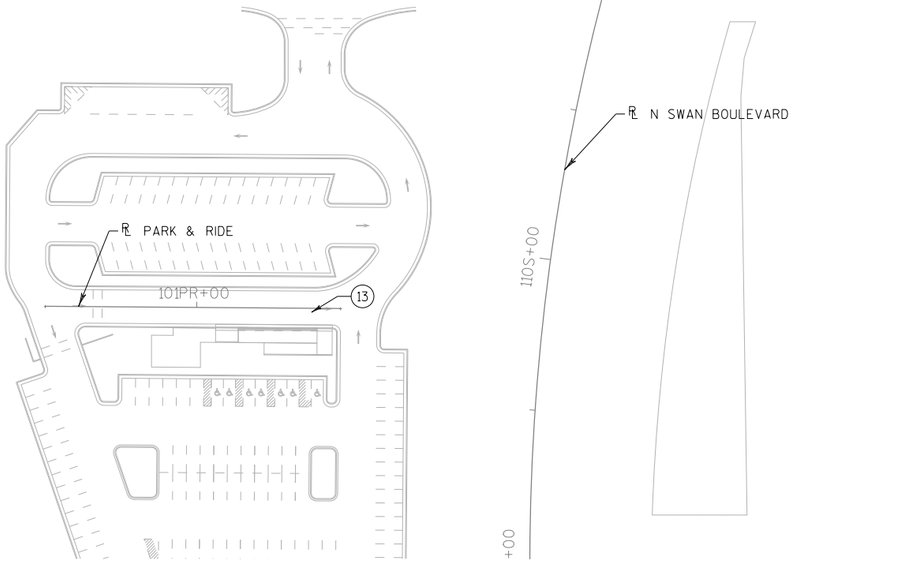
STATIONS

STATION 18 - WISCONSIN AVE & 35TH ST WB
STATION 19 - WISCONSIN AVE & 35TH ST EB
STATION 20 - WISCONSIN AVE & 27TH ST WB
STATION 21 - WISCONSIN AVE & 27TH ST EB
STATION 22 - WISCONSIN AVE & 16TH ST WB
STATION 23 - WISCONSIN AVE & 16TH ST EB
STATION P1 & P2 - WISCONSIN AVE AT 15TH/14TH ST
STATION 24 - WISCONSIN AVE & 12TH ST WB
STATION 25 - WISCONSIN AVE & 12TH ST EB
STATION 26 - WISCONSIN AVE & 9TH ST EB
STATION 27 - WISCONSIN AVE & 9TH ST WB
STATION 28 - WISCONSIN AVE & 5TH ST WB
STATION 29 - WISCONSIN AVE & 5TH ST EB
STATION 30 - WISCONSIN AVE & WATER ST WB
STATION 31 - WISCONSIN AVE & WATER ST EB
STATION 32 - WISCONSIN AVE & JACKSON ST WB
STATION 33 - WISCONSIN AVE & VAN BUREN ST EB
STATION 34 - COUTURE STATION



PROJECT NO: 60528491	COUNTY: MILWAUKEE	EAST - WEST BRT	MARKING OVERVIEW	SHEET E

FILE NAME : \\aecompw05ics01\iCS_pdf_work_dir\9719\221962_182\024501_pm.dgn PLOT DATE : 8/2/2019 PLOT BY : aecompw05ics01$ PLOT NAME : PLOT SCALE : 1500.0000 sf / in.
WISDOT/CADDS SHEET 42



MARKING LEGEND

1. MARKING LINE EPOXY 4-INCH (SOLID WHITE)
2. MARKING LINE EPOXY 4-INCH (SOLID YELLOW)
3. MARKING LINE EPOXY 8-INCH (SOLID WHITE)
4. MARKING LINE EPOXY 4-INCH (WHITE) (12.5'LINE, 37.5'GAP)
5. MARKING STOP LINE EPOXY 24-INCH
6. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
7. MARKING PARKING STALL EPOXY
8. MARKING ARROW EPOXY TYPE 1
9. MARKING ARROW EPOXY TYPE 2
10. MARKING ARROW EPOXY TYPE 3
11. MARKING ARROW EPOXY TYPE BIKE LANE
12. MARKING SYMBOL EPOXY BIKE LANE
13. MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
14. MARKING WORD EPOXY
15. MARKING LINE EPOXY 4-INCH (WHITE) (3'LINE, 9'GAP)
16. MARKING ARROW EPOXY TYPE 6
17. MARKING LINE EPOXY 8-INCH (WHITE) (3'LINE, 9'GAP)
18. MARKING LINE EPOXY 4-INCH (WHITE) (2'LINE, 6'GAP)
19. MARKING LINE EPOXY 8-INCH (WHITE) (2'LINE, 6'GAP)
20. MARKING YIELD LINE EPOXY 18-INCH

NOTE: SEE CONSTRUCTION DETAILS FOR PLATFORM CURB FACE MARKINGS.

N

℄ BLUE MOUND ROAD

BLUE MOUND ROAD

102B+00

104B+00

106B

℄ 95TH STREET

106NF+00

108NF+00

110NF+00

112NF+00

95TH STREET

114NF+00

116NE+00

WISCONSIN AVENUE

102WA+00

104WA+00

℄ WISCONSIN AVENUE

104NF+00

12'

5'

R3-17
30" X 24"
BIKE LANE
AHEAD
R3-17A
30" X 12"

SPEED LIMIT 35
R2-1
24" X 30"
MOVE FROM
STA 105B+16
TO STA 105B+55

BIKE LANE
R3-17
30" X 24"
(MOUNT ON SIGNAL POLE)

BUS-ROUTE
REMOVE

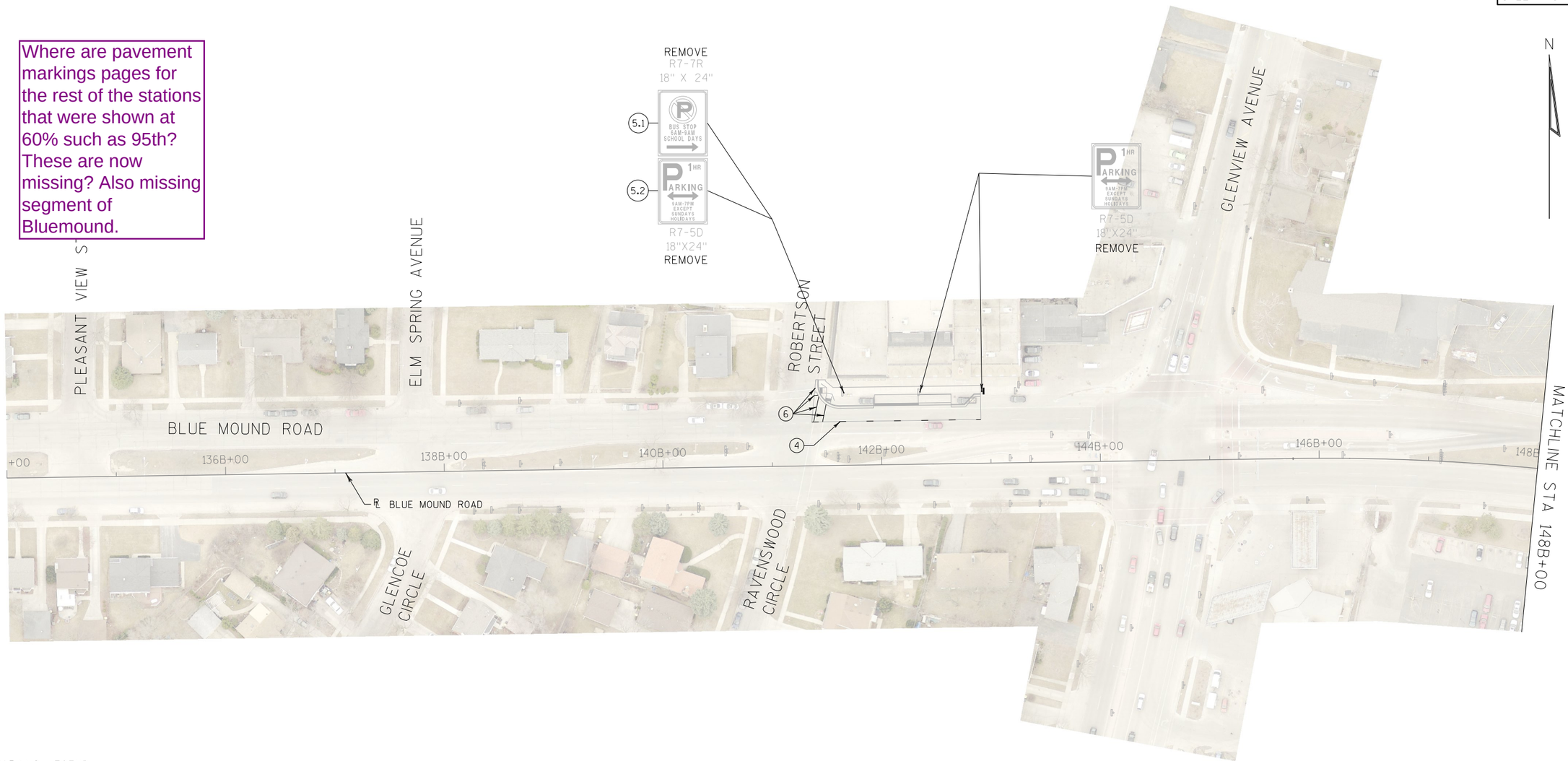
W6-3
36" X 36"
REMOVE

W4-2R
36" X 36"
REMOVE

PROJECT NO:60528491	COUNTY:MILWAUKEE	EAST - WEST BRT	MARKINGS SHEETS	SHEET E

PRE_249

Where are pavement markings pages for the rest of the stations that were shown at 60% such as 95th? These are now missing? Also missing segment of Bluemound.



MARKING LEGEND

1. MARKING LINE EPOXY 4-INCH (SOLID WHITE)
2. MARKING LINE EPOXY 4-INCH (SOLID YELLOW)
3. MARKING LINE EPOXY 8-INCH (SOLID WHITE)
4. MARKING LINE EPOXY 4-INCH (WHITE) (12.5'LINE, 37.5'GAP)
5. MARKING STOP LINE EPOXY 24-INCH
6. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
7. MARKING PARKING STALL EPOXY
8. MARKING ARROW EPOXY TYPE 1
9. MARKING ARROW EPOXY TYPE 2
10. MARKING ARROW EPOXY TYPE 3
11. MARKING ARROW EPOXY TYPE BIKE LANE
12. MARKING SYMBOL EPOXY BIKE LANE
13. MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
14. MARKING WORD EPOXY
15. MARKING LINE EPOXY 4-INCH (WHITE) (3'LINE, 9'GAP)
16. MARKING ARROW EPOXY TYPE 6
17. MARKING LINE EPOXY 8-INCH (WHITE) (3'LINE, 9'GAP)
18. MARKING LINE EPOXY 4-INCH (WHITE) (2'LINE, 6'GAP)
19. MARKING LINE EPOXY 8-INCH (WHITE) (2'LINE, 6'GAP)
20. MARKING YIELD LINE EPOXY 18-INCH

NOTE: SEE CONSTRUCTION DETAILS FOR PLATFORM CURB FACE MARKINGS.



MARKING LEGEND

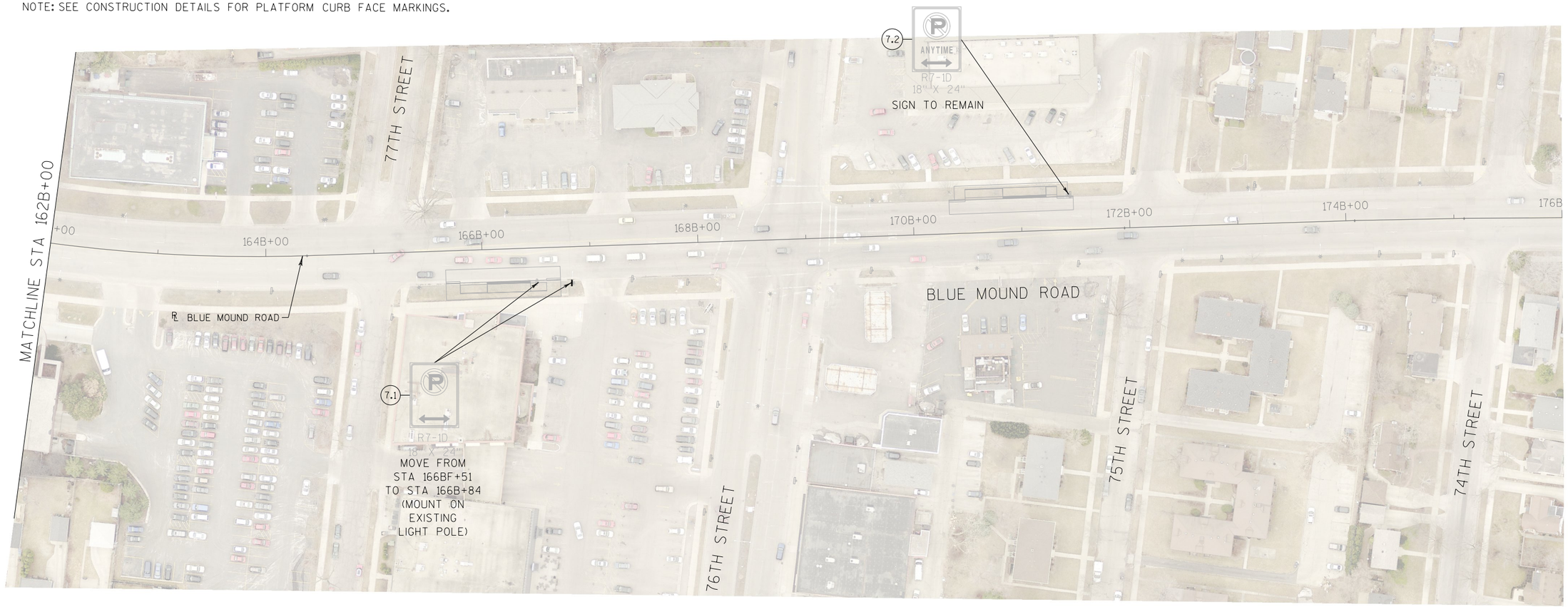
1. MARKING LINE EPOXY 4-INCH (SOLID WHITE)
2. MARKING LINE EPOXY 4-INCH (SOLID YELLOW)
3. MARKING LINE EPOXY 8-INCH (SOLID WHITE)
4. MARKING LINE EPOXY 4-INCH (WHITE) (12.5' LINE, 37.5' GAP)
5. MARKING STOP LINE EPOXY 24-INCH
6. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
7. MARKING PARKING STALL EPOXY
8. MARKING ARROW EPOXY TYPE 1
9. MARKING ARROW EPOXY TYPE 2
10. MARKING ARROW EPOXY TYPE 3
11. MARKING ARROW EPOXY TYPE BIKE LANE
12. MARKING SYMBOL EPOXY BIKE LANE
13. MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
14. MARKING WORD EPOXY
15. MARKING LINE EPOXY 4-INCH (WHITE) (3' LINE, 9' GAP)
16. MARKING ARROW EPOXY TYPE 6
17. MARKING LINE EPOXY 8-INCH (WHITE) (3' LINE, 9' GAP)
18. MARKING LINE EPOXY 4-INCH (WHITE) (2' LINE, 6' GAP)
19. MARKING LINE EPOXY 8-INCH (WHITE) (2' LINE, 6' GAP)
20. MARKING YIELD LINE EPOXY 18-INCH

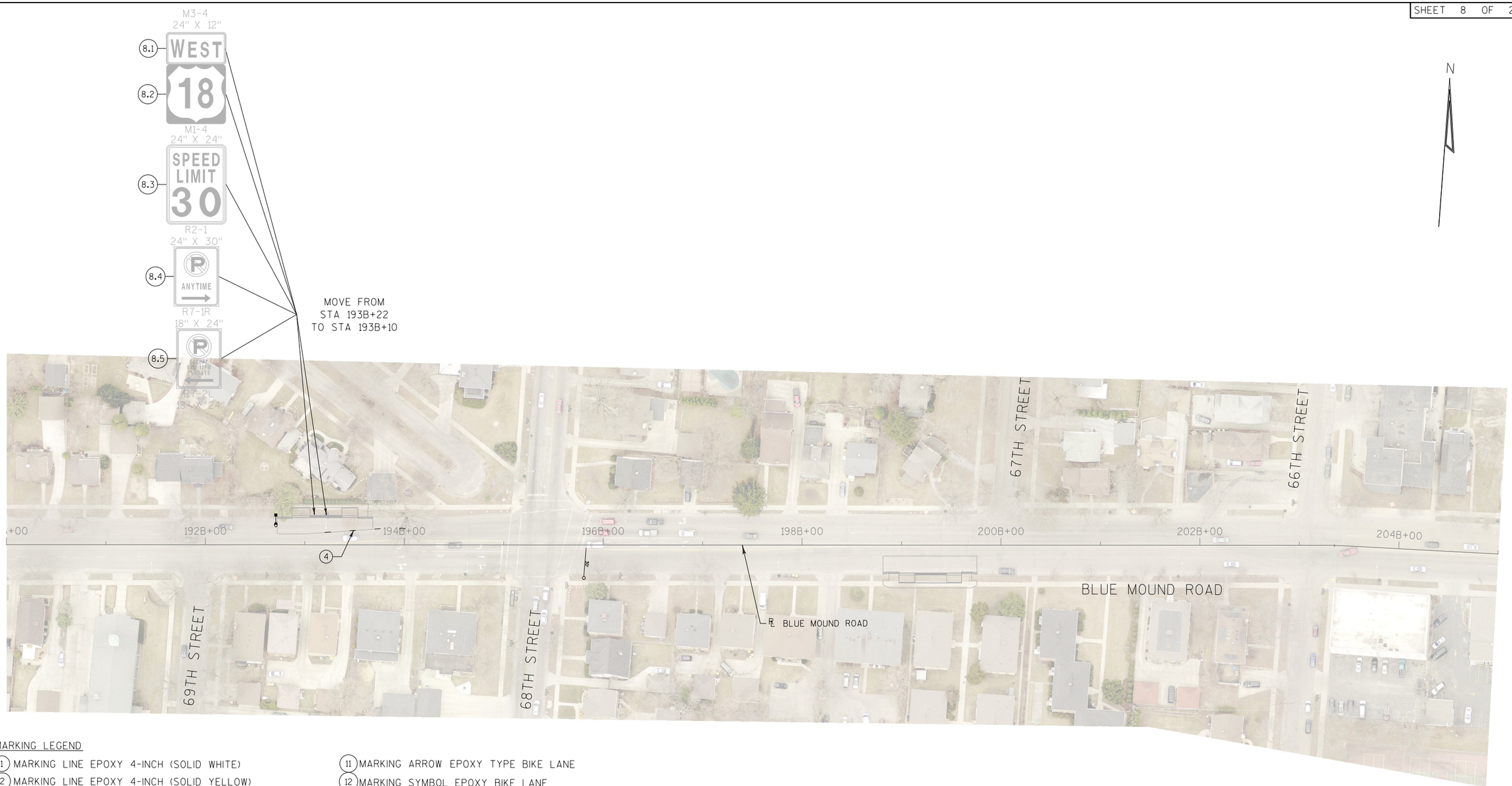
NOTE: SEE CONSTRUCTION DETAILS FOR PLATFORM CURB FACE MARKINGS.

MARKING LEGEND

1. MARKING LINE EPOXY 4-INCH (SOLID WHITE)
2. MARKING LINE EPOXY 4-INCH (SOLID YELLOW)
3. MARKING LINE EPOXY 8-INCH (SOLID WHITE)
4. MARKING LINE EPOXY 4-INCH (WHITE) (12.5' LINE, 37.5' GAP)
5. MARKING STOP LINE EPOXY 24-INCH
6. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
7. MARKING PARKING STALL EPOXY
8. MARKING ARROW EPOXY TYPE 1
9. MARKING ARROW EPOXY TYPE 2
10. MARKING ARROW EPOXY TYPE 3
11. MARKING ARROW EPOXY TYPE BIKE LANE
12. MARKING SYMBOL EPOXY BIKE LANE
13. MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
14. MARKING WORD EPOXY
15. MARKING LINE EPOXY 4-INCH (WHITE) (3' LINE, 9' GAP)
16. MARKING ARROW EPOXY TYPE 6
17. MARKING LINE EPOXY 8-INCH (WHITE) (3' LINE, 9' GAP)
18. MARKING LINE EPOXY 4-INCH (WHITE) (2' LINE, 6' GAP)
19. MARKING LINE EPOXY 8-INCH (WHITE) (2' LINE, 6' GAP)
20. MARKING YIELD LINE EPOXY 18-INCH

NOTE: SEE CONSTRUCTION DETAILS FOR PLATFORM CURB FACE MARKINGS.

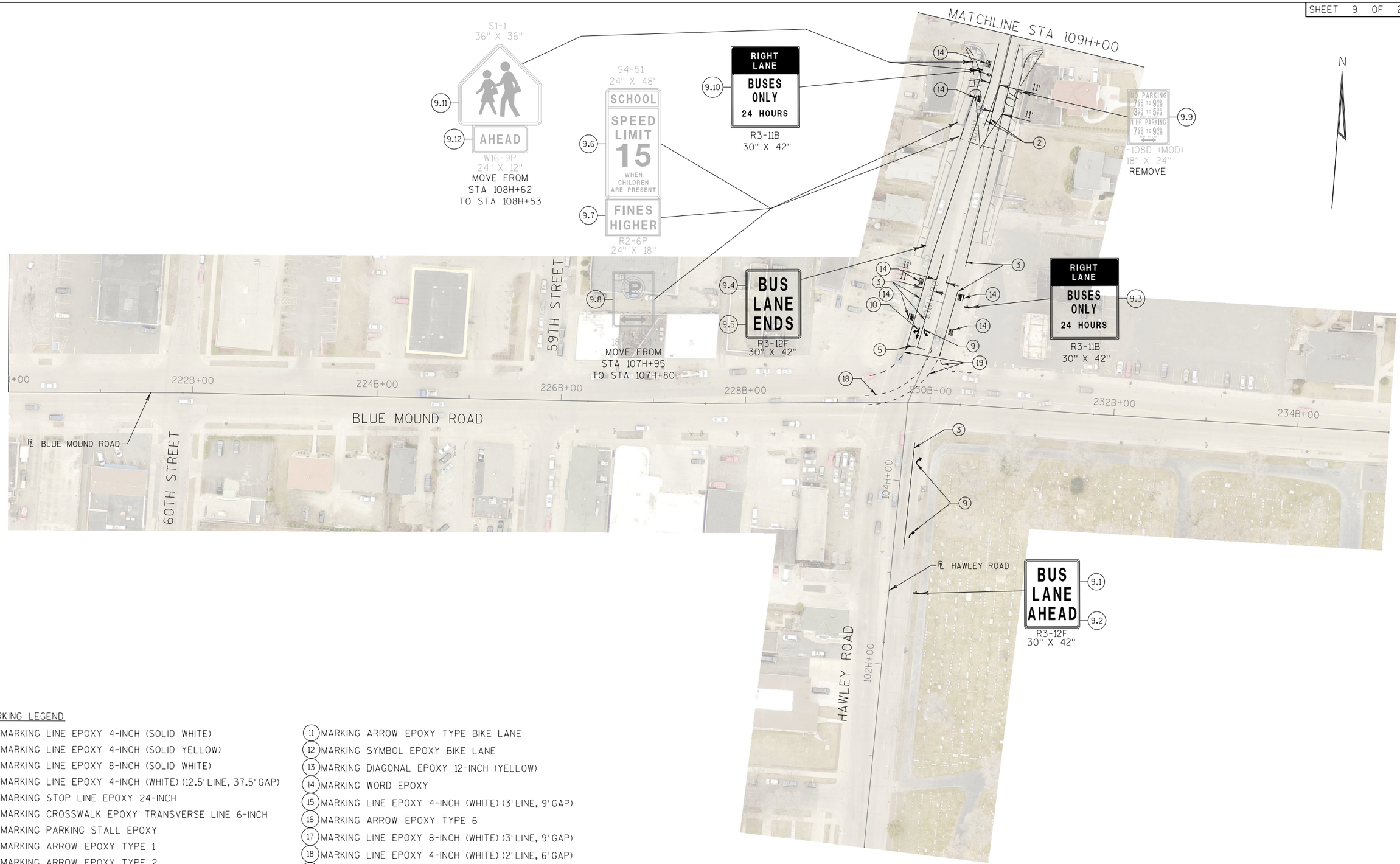




MARKING LEGEND

1. MARKING LINE EPOXY 4-INCH (SOLID WHITE)
2. MARKING LINE EPOXY 4-INCH (SOLID YELLOW)
3. MARKING LINE EPOXY 8-INCH (SOLID WHITE)
4. MARKING LINE EPOXY 4-INCH (WHITE) (12.5'LINE, 37.5'GAP)
5. MARKING STOP LINE EPOXY 24-INCH
6. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
7. MARKING PARKING STALL EPOXY
8. MARKING ARROW EPOXY TYPE 1
9. MARKING ARROW EPOXY TYPE 2
10. MARKING ARROW EPOXY TYPE 3
11. MARKING ARROW EPOXY TYPE BIKE LANE
12. MARKING SYMBOL EPOXY BIKE LANE
13. MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
14. MARKING WORD EPOXY
15. MARKING LINE EPOXY 4-INCH (WHITE) (3'LINE, 9'GAP)
16. MARKING ARROW EPOXY TYPE 6
17. MARKING LINE EPOXY 8-INCH (WHITE) (3'LINE, 9'GAP)
18. MARKING LINE EPOXY 4-INCH (WHITE) (2'LINE, 6'GAP)
19. MARKING LINE EPOXY 8-INCH (WHITE) (2'LINE, 6'GAP)
20. MARKING YIELD LINE EPOXY 18-INCH

NOTE: SEE CONSTRUCTION DETAILS FOR PLATFORM CURB FACE MARKINGS.



MARKING LEGEND

1. MARKING LINE EPOXY 4-INCH (SOLID WHITE)
2. MARKING LINE EPOXY 4-INCH (SOLID YELLOW)
3. MARKING LINE EPOXY 8-INCH (SOLID WHITE)
4. MARKING LINE EPOXY 4-INCH (WHITE) (12.5' LINE, 37.5' GAP)
5. MARKING STOP LINE EPOXY 24-INCH
6. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
7. MARKING PARKING STALL EPOXY
8. MARKING ARROW EPOXY TYPE 1
9. MARKING ARROW EPOXY TYPE 2
10. MARKING ARROW EPOXY TYPE 3
11. MARKING ARROW EPOXY TYPE BIKE LANE
12. MARKING SYMBOL EPOXY BIKE LANE
13. MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
14. MARKING WORD EPOXY
15. MARKING LINE EPOXY 4-INCH (WHITE) (3' LINE, 9' GAP)
16. MARKING ARROW EPOXY TYPE 6
17. MARKING LINE EPOXY 8-INCH (WHITE) (3' LINE, 9' GAP)
18. MARKING LINE EPOXY 4-INCH (WHITE) (2' LINE, 6' GAP)
19. MARKING LINE EPOXY 8-INCH (WHITE) (2' LINE, 6' GAP)
20. MARKING YIELD LINE EPOXY 18-INCH

PROJECT NO: 60528491	COUNTY: MILWAUKEE	EAST - WEST BRT	MARKINGS SHEETS	SHEET E

FILE NAME : \\aecompw05ics01\iCS_pdf_work_dir\9719\221962_24\024517_pm.dgn PLOT DATE : 8/2/2019 PLOT BY : aecompw05ics01$ PLOT NAME : PLOT SCALE : 100.00 sf / in.
WISDOT/CADDS SHEET 42

N

MARKING LEGEND

1. MARKING LINE EPOXY 4-INCH (SOLID WHITE)
2. MARKING LINE EPOXY 4-INCH (SOLID YELLOW)
3. MARKING LINE EPOXY 8-INCH (SOLID WHITE)
4. MARKING LINE EPOXY 4-INCH (WHITE) (12.5' LINE, 37.5' GAP)
5. MARKING STOP LINE EPOXY 24-INCH
6. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
7. MARKING PARKING STALL EPOXY
8. MARKING ARROW EPOXY TYPE 1
9. MARKING ARROW EPOXY TYPE 2
10. MARKING ARROW EPOXY TYPE 3
11. MARKING ARROW EPOXY TYPE BIKE LANE
12. MARKING SYMBOL EPOXY BIKE LANE
13. MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
14. MARKING WORD EPOXY
15. MARKING LINE EPOXY 4-INCH (WHITE) (3' LINE, 9' GAP)
16. MARKING ARROW EPOXY TYPE 6
17. MARKING LINE EPOXY 8-INCH (WHITE) (3' LINE, 9' GAP)
18. MARKING LINE EPOXY 4-INCH (WHITE) (2' LINE, 6' GAP)
19. MARKING LINE EPOXY 8-INCH (WHITE) (2' LINE, 6' GAP)
20. MARKING YIELD LINE EPOXY 18-INCH

NOTE: SEE CONSTRUCTION DETAILS FOR PLATFORM CURB FACE MARKINGS.

10.14 RIGHT TURN LANE
R3-20R
24" X 36"

10.15 BUS LANE ENDS
R3-12G
30" X 42"

10.16 (P) ↔
R7-1D
18" X 24"
MOVE FROM
STA 104WB+30
TO STA 104WB+46

10.13 BUS LANE AHEAD
R3-12F
30" X 42"

10.1 BUS LANE AHEAD
R3-12F
30" X 42"

10.2 BUS LANE ENDS
R3-12G
30" X 42"

10.3 RIGHT LANE BUSES ONLY 24 HOURS
R3-11B
30" X 42"

10.4 BUS STOP
R7-7D
18" X 24"
REMOVE

10.5 2 HOUR PARKING 8:00AM TO 5:00PM
R7-108L
18" X 24"

10.6 00 BUS-ROUTE
REMOVE

10.7 2 HOUR PARKING 8:00AM TO 5:00PM BUS STOP
R7-108
36" X 24"
REMOVE

10.8 RIGHT LANE BUSES ONLY 24 HOURS
R3-11B
30" X 42"

10.9 RIGHT LANE BUSES ONLY 24 HOURS
R3-11B
30" X 42"

10.10 BUS STOP
R7-7L
18" X 24"
REMOVE

10.11 00 BUS-ROUTE
REMOVE

10.12 RIGHT LANE BUSES ONLY 24 HOURS
R3-11B
30" X 42"

10.17 RIGHT LANE BUSES ONLY 24 HOURS
R3-11B
30" X 42"

10.18 00 BUS-ROUTE
REMOVE

55TH STREET
54TH STREET
53RD STREET
WISCONSIN AVENUE
R WISCONSIN AVE
HAWLEY ROAD
R HAWLEY ROAD
114H+00
102WB
104WB
106WB
108WB
110WB
112WB
MATCHLINE STA 109H+00
MATCHLINE STA 114WB+00

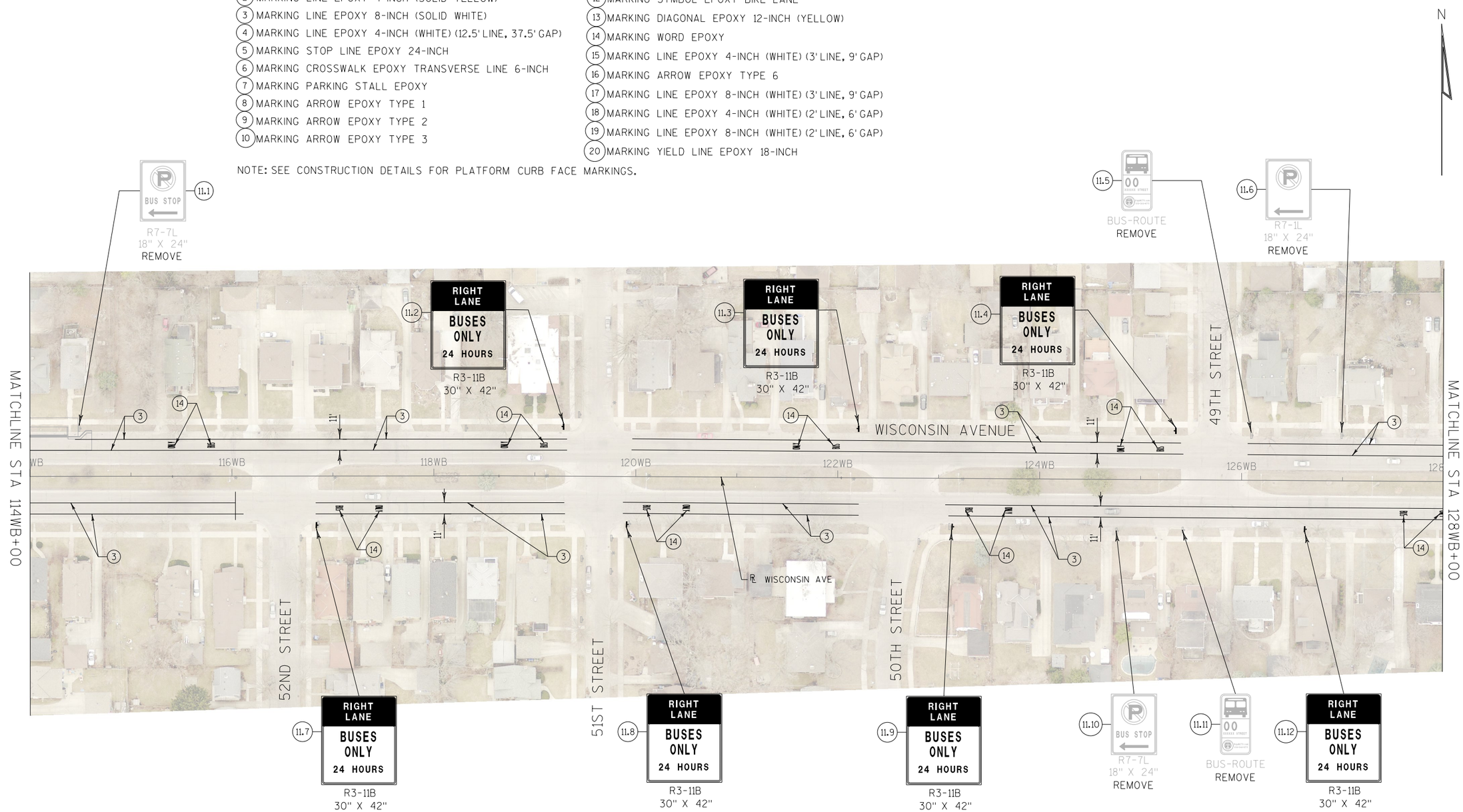
PROJECT NO: 60528491	COUNTY: MILWAUKEE	EAST - WEST BRT	MARKINGS SHEETS	SHEET E

FILE NAME : \\aecompw05ics01\iCS_pdf_work_dir\9719\221962_25\024518_pm.dgn PLOT DATE : 8/2/2019 PLOT BY : aecompw05ics01$ PLOT NAME : PLOT SCALE : 100.00 sf / in.
WISDOT/CADDS SHEET 42

MARKING LEGEND

1. MARKING LINE EPOXY 4-INCH (SOLID WHITE)
2. MARKING LINE EPOXY 4-INCH (SOLID YELLOW)
3. MARKING LINE EPOXY 8-INCH (SOLID WHITE)
4. MARKING LINE EPOXY 4-INCH (WHITE) (12.5' LINE, 37.5' GAP)
5. MARKING STOP LINE EPOXY 24-INCH
6. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
7. MARKING PARKING STALL EPOXY
8. MARKING ARROW EPOXY TYPE 1
9. MARKING ARROW EPOXY TYPE 2
10. MARKING ARROW EPOXY TYPE 3
11. MARKING ARROW EPOXY TYPE BIKE LANE
12. MARKING SYMBOL EPOXY BIKE LANE
13. MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
14. MARKING WORD EPOXY
15. MARKING LINE EPOXY 4-INCH (WHITE) (3' LINE, 9' GAP)
16. MARKING ARROW EPOXY TYPE 6
17. MARKING LINE EPOXY 8-INCH (WHITE) (3' LINE, 9' GAP)
18. MARKING LINE EPOXY 4-INCH (WHITE) (2' LINE, 6' GAP)
19. MARKING LINE EPOXY 8-INCH (WHITE) (2' LINE, 6' GAP)
20. MARKING YIELD LINE EPOXY 18-INCH

NOTE: SEE CONSTRUCTION DETAILS FOR PLATFORM CURB FACE MARKINGS.



PROJECT NO: 60528491	COUNTY: MILWAUKEE	EAST - WEST BRT	MARKINGS SHEETS	SHEET E

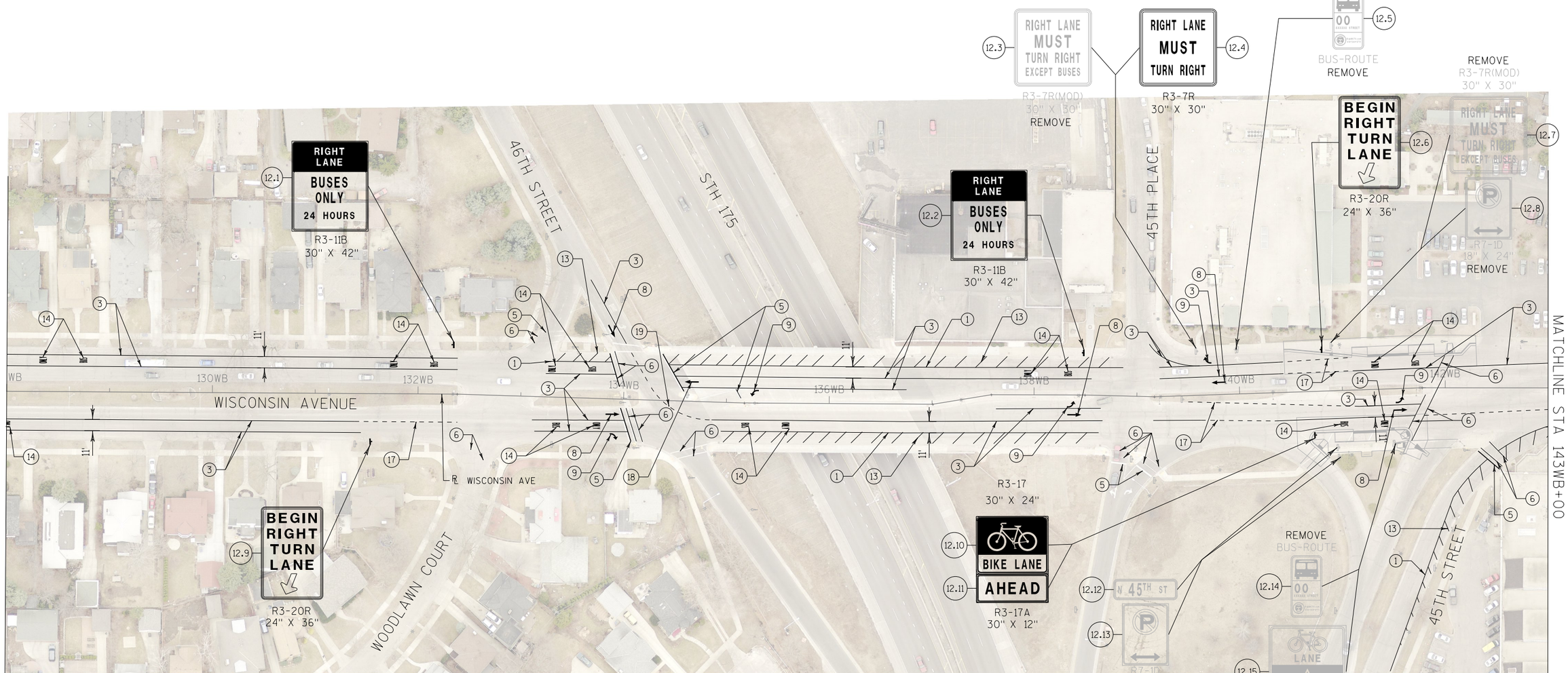
FILE NAME : \\aecompw05ics01\iCS_pdf_work_dir\9719\221962_26\024519_pm.dgn PLOT DATE : 8/2/2019 PLOT BY : aecompw05ics01$ PLOT NAME : PLOT SCALE : 100.00 sf / in.
WISDOT/CADDS SHEET 42

N

MARKING LEGEND

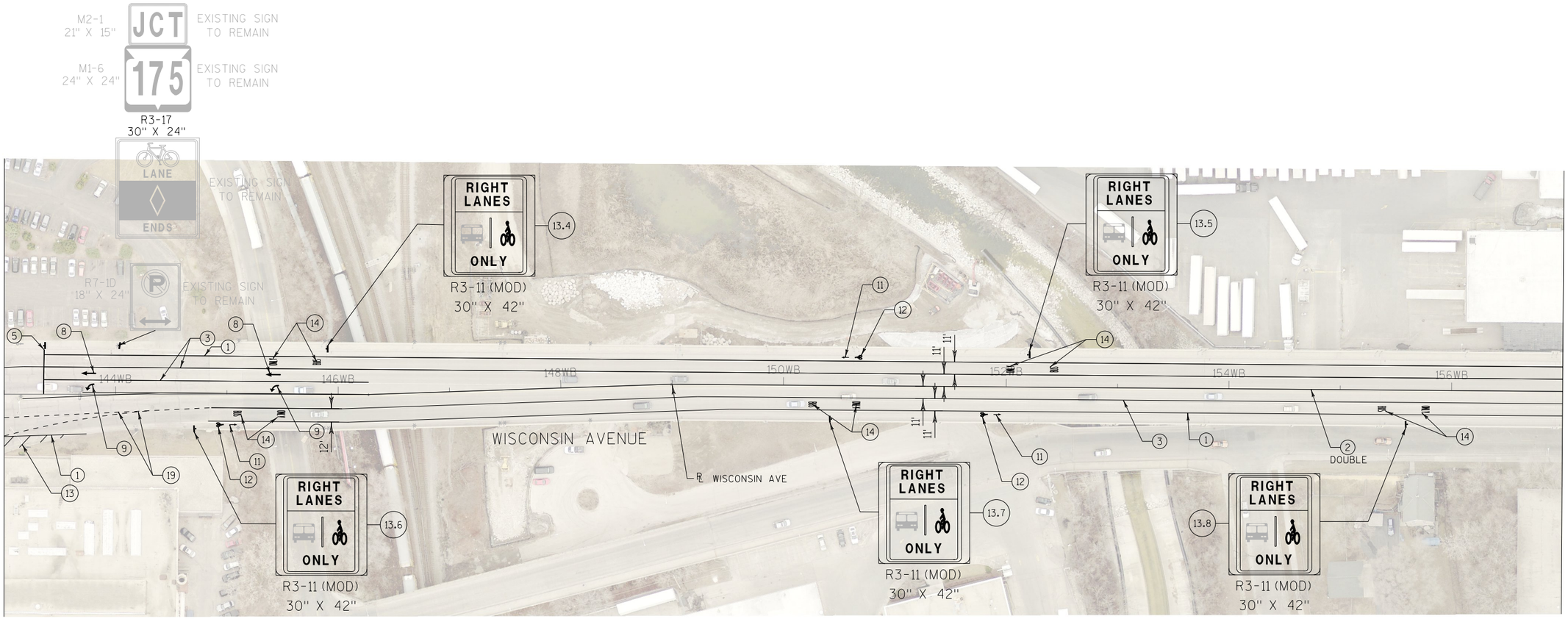
1. MARKING LINE EPOXY 4-INCH (SOLID WHITE)
2. MARKING LINE EPOXY 4-INCH (SOLID YELLOW)
3. MARKING LINE EPOXY 8-INCH (SOLID WHITE)
4. MARKING LINE EPOXY 4-INCH (WHITE) (12.5'LINE, 37.5'GAP)
5. MARKING STOP LINE EPOXY 24-INCH
6. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
7. MARKING PARKING STALL EPOXY
8. MARKING ARROW EPOXY TYPE 1
9. MARKING ARROW EPOXY TYPE 2
10. MARKING ARROW EPOXY TYPE 3
11. MARKING ARROW EPOXY TYPE BIKE LANE
12. MARKING SYMBOL EPOXY BIKE LANE
13. MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
14. MARKING WORD EPOXY
15. MARKING LINE EPOXY 4-INCH (WHITE) (3'LINE, 9'GAP)
16. MARKING ARROW EPOXY TYPE 6
17. MARKING LINE EPOXY 8-INCH (WHITE) (3'LINE, 9'GAP)
18. MARKING LINE EPOXY 4-INCH (WHITE) (2'LINE, 6'GAP)
19. MARKING LINE EPOXY 8-INCH (WHITE) (2'LINE, 6'GAP)
20. MARKING YIELD LINE EPOXY 18-INCH

NOTE: SEE CONSTRUCTION DETAILS FOR PLATFORM CURB FACE MARKINGS.



PROJECT NO: 60528491	COUNTY: MILWAUKEE	EAST - WEST BRT	MARKINGS SHEETS	SHEET E

FILE NAME : \\aecompw05ics01\iCS_pdf_work_dir\9719\221962_27\024520_pm.dgn PLOT DATE : 8/2/2019 PLOT BY : aecompw05ics01$ PLOT NAME : PLOT SCALE : 100.00 sf / in.
WISDOT/CADDS SHEET 42



MARKING LEGEND

1. MARKING LINE EPOXY 4-INCH (SOLID WHITE)
2. MARKING LINE EPOXY 4-INCH (SOLID YELLOW)
3. MARKING LINE EPOXY 8-INCH (SOLID WHITE)
4. MARKING LINE EPOXY 4-INCH (WHITE) (12.5' LINE, 37.5' GAP)
5. MARKING STOP LINE EPOXY 24-INCH
6. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
7. MARKING PARKING STALL EPOXY
8. MARKING ARROW EPOXY TYPE 1
9. MARKING ARROW EPOXY TYPE 2
10. MARKING ARROW EPOXY TYPE 3
11. MARKING ARROW EPOXY TYPE BIKE LANE
12. MARKING SYMBOL EPOXY BIKE LANE
13. MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
14. MARKING WORD EPOXY
15. MARKING LINE EPOXY 4-INCH (WHITE) (3' LINE, 9' GAP)
16. MARKING ARROW EPOXY TYPE 6
17. MARKING LINE EPOXY 8-INCH (WHITE) (3' LINE, 9' GAP)
18. MARKING LINE EPOXY 4-INCH (WHITE) (2' LINE, 6' GAP)
19. MARKING LINE EPOXY 8-INCH (WHITE) (2' LINE, 6' GAP)
20. MARKING YIELD LINE EPOXY 18-INCH

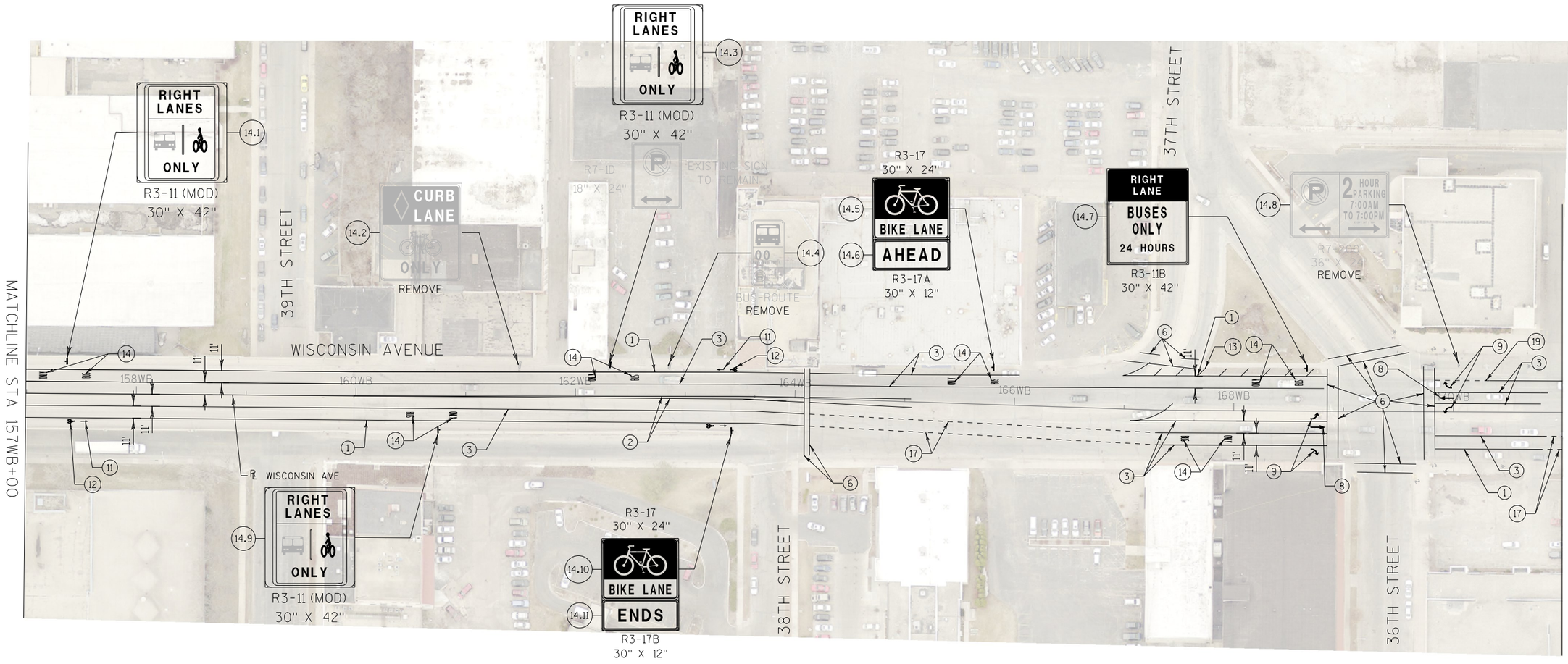
NOTE: SEE CONSTRUCTION DETAILS FOR PLATFORM CURB FACE MARKINGS.

N

MARKING LEGEND

1. MARKING LINE EPOXY 4-INCH (SOLID WHITE)
2. MARKING LINE EPOXY 4-INCH (SOLID YELLOW)
3. MARKING LINE EPOXY 8-INCH (SOLID WHITE)
4. MARKING LINE EPOXY 4-INCH (WHITE) (12.5' LINE, 37.5' GAP)
5. MARKING STOP LINE EPOXY 24-INCH
6. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
7. MARKING PARKING STALL EPOXY
8. MARKING ARROW EPOXY TYPE 1
9. MARKING ARROW EPOXY TYPE 2
10. MARKING ARROW EPOXY TYPE 3
11. MARKING ARROW EPOXY TYPE BIKE LANE
12. MARKING SYMBOL EPOXY BIKE LANE
13. MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
14. MARKING WORD EPOXY
15. MARKING LINE EPOXY 4-INCH (WHITE) (3' LINE, 9' GAP)
16. MARKING ARROW EPOXY TYPE 6
17. MARKING LINE EPOXY 8-INCH (WHITE) (3' LINE, 9' GAP)
18. MARKING LINE EPOXY 4-INCH (WHITE) (2' LINE, 6' GAP)
19. MARKING LINE EPOXY 8-INCH (WHITE) (2' LINE, 6' GAP)
20. MARKING YIELD LINE EPOXY 18-INCH

NOTE: SEE CONSTRUCTION DETAILS FOR PLATFORM CURB FACE MARKINGS.



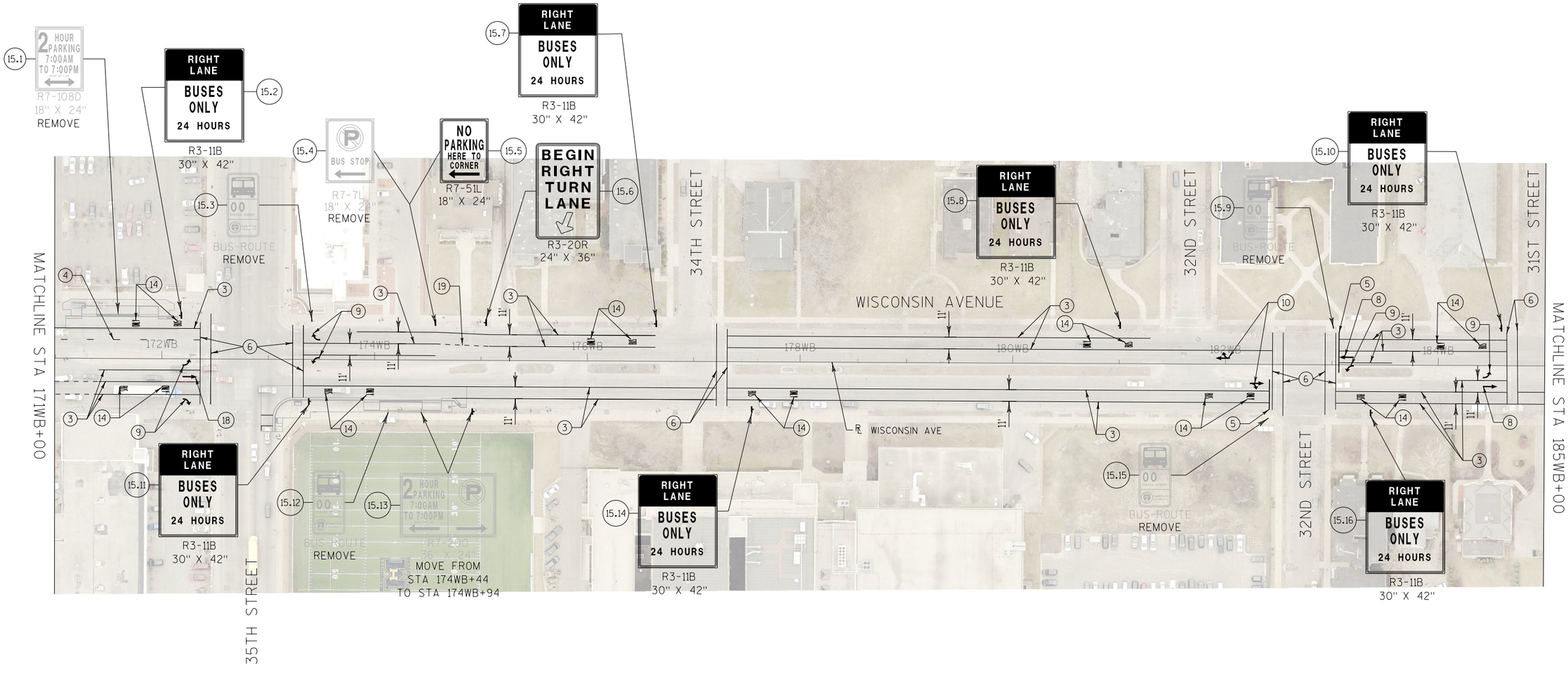
PROJECT NO: 60528491	COUNTY: MILWAUKEE	EAST - WEST BRT	MARKINGS SHEETS	SHEET E

N

MARKING LEGEND

1. MARKING LINE EPOXY 4-INCH (SOLID WHITE)
2. MARKING LINE EPOXY 4-INCH (SOLID YELLOW)
3. MARKING LINE EPOXY 8-INCH (SOLID WHITE)
4. MARKING LINE EPOXY 4-INCH (WHITE) (12.5' LINE, 37.5' GAP)
5. MARKING STOP LINE EPOXY 24-INCH
6. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
7. MARKING PARKING STALL EPOXY
8. MARKING ARROW EPOXY TYPE 1
9. MARKING ARROW EPOXY TYPE 2
10. MARKING ARROW EPOXY TYPE 3
11. MARKING ARROW EPOXY TYPE BIKE LANE
12. MARKING SYMBOL EPOXY BIKE LANE
13. MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
14. MARKING WORD EPOXY
15. MARKING LINE EPOXY 4-INCH (WHITE) (3' LINE, 9' GAP)
16. MARKING ARROW EPOXY TYPE 6
17. MARKING LINE EPOXY 8-INCH (WHITE) (3' LINE, 9' GAP)
18. MARKING LINE EPOXY 4-INCH (WHITE) (2' LINE, 6' GAP)
19. MARKING LINE EPOXY 8-INCH (WHITE) (2' LINE, 6' GAP)
20. MARKING YIELD LINE EPOXY 18-INCH

NOTE: SEE CONSTRUCTION DETAILS FOR PLATFORM CURB FACE MARKINGS.



PROJECT NO: 60528491	COUNTY: MILWAUKEE	EAST - WEST BRT	MARKINGS SHEETS	SHEET E

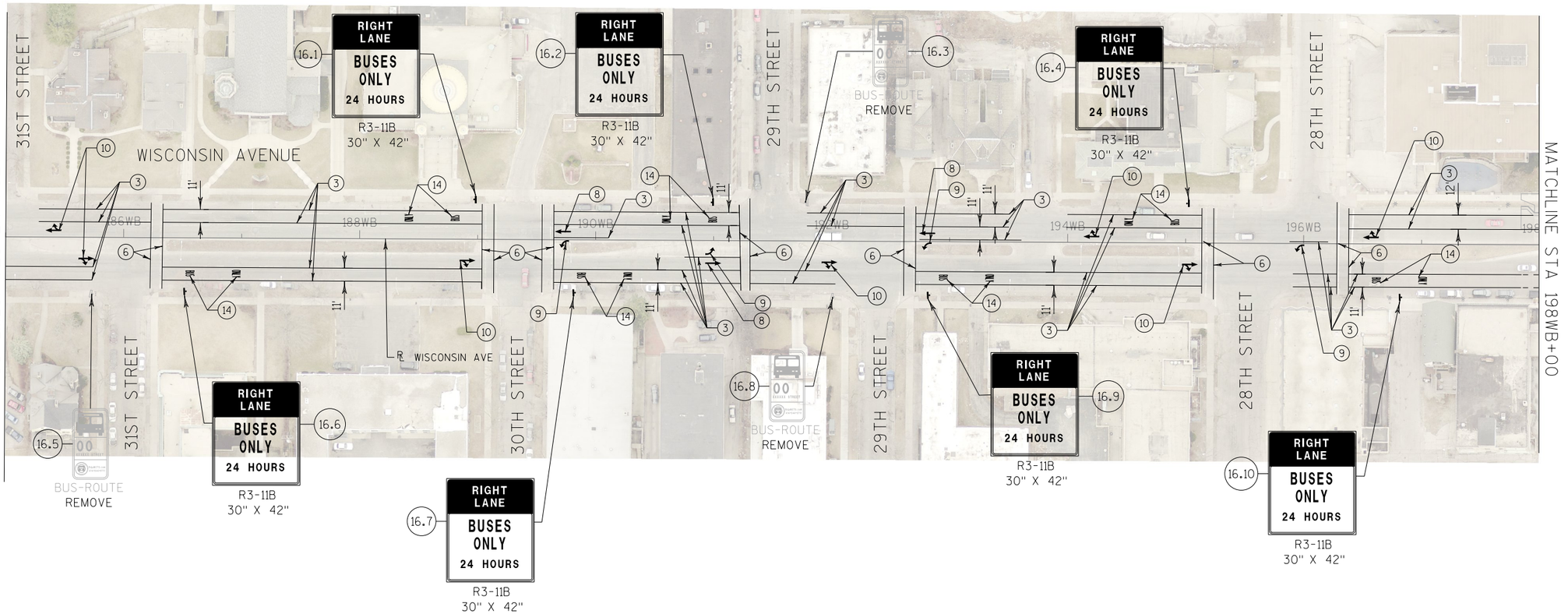
FILE NAME : \\aecompw05ics01\iCS_pdf_work_dir\9719\221962_35\024523_pm.dgn PLOT DATE : 8/2/2019 PLOT BY : aecompw05ics01$ PLOT NAME : PLOT SCALE : 100.00 sf / in.
WISDOT/CADDS SHEET 42

N

MARKING LEGEND

1. MARKING LINE EPOXY 4-INCH (SOLID WHITE)
2. MARKING LINE EPOXY 4-INCH (SOLID YELLOW)
3. MARKING LINE EPOXY 8-INCH (SOLID WHITE)
4. MARKING LINE EPOXY 4-INCH (WHITE) (12.5' LINE, 37.5' GAP)
5. MARKING STOP LINE EPOXY 24-INCH
6. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
7. MARKING PARKING STALL EPOXY
8. MARKING ARROW EPOXY TYPE 1
9. MARKING ARROW EPOXY TYPE 2
10. MARKING ARROW EPOXY TYPE 3
11. MARKING ARROW EPOXY TYPE BIKE LANE
12. MARKING SYMBOL EPOXY BIKE LANE
13. MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
14. MARKING WORD EPOXY
15. MARKING LINE EPOXY 4-INCH (WHITE) (3' LINE, 9' GAP)
16. MARKING ARROW EPOXY TYPE 6
17. MARKING LINE EPOXY 8-INCH (WHITE) (3' LINE, 9' GAP)
18. MARKING LINE EPOXY 4-INCH (WHITE) (2' LINE, 6' GAP)
19. MARKING LINE EPOXY 8-INCH (WHITE) (2' LINE, 6' GAP)
20. MARKING YIELD LINE EPOXY 18-INCH

NOTE: SEE CONSTRUCTION DETAILS FOR PLATFORM CURB FACE MARKINGS.

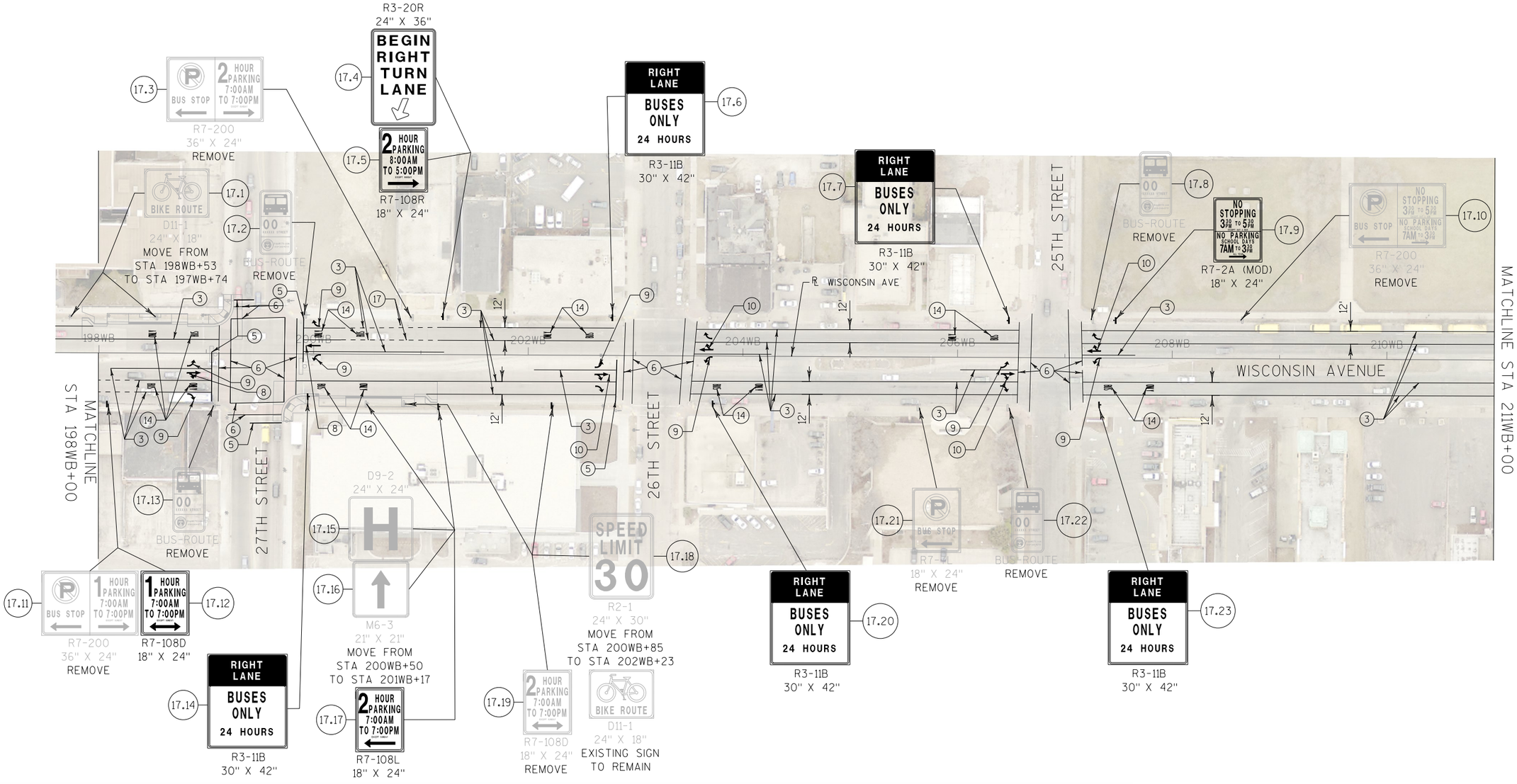


N

MARKING LEGEND

1. MARKING LINE EPOXY 4-INCH (SOLID WHITE)
2. MARKING LINE EPOXY 4-INCH (SOLID YELLOW)
3. MARKING LINE EPOXY 8-INCH (SOLID WHITE)
4. MARKING LINE EPOXY 4-INCH (WHITE) (12.5' LINE, 37.5' GAP)
5. MARKING STOP LINE EPOXY 24-INCH
6. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
7. MARKING PARKING STALL EPOXY
8. MARKING ARROW EPOXY TYPE 1
9. MARKING ARROW EPOXY TYPE 2
10. MARKING ARROW EPOXY TYPE 3
11. MARKING ARROW EPOXY TYPE BIKE LANE
12. MARKING SYMBOL EPOXY BIKE LANE
13. MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
14. MARKING WORD EPOXY
15. MARKING LINE EPOXY 4-INCH (WHITE) (3' LINE, 9' GAP)
16. MARKING ARROW EPOXY TYPE 6
17. MARKING LINE EPOXY 8-INCH (WHITE) (3' LINE, 9' GAP)
18. MARKING LINE EPOXY 4-INCH (WHITE) (2' LINE, 6' GAP)
19. MARKING LINE EPOXY 8-INCH (WHITE) (2' LINE, 6' GAP)
20. MARKING YIELD LINE EPOXY 18-INCH

NOTE: SEE CONSTRUCTION DETAILS FOR PLATFORM CURB FACE MARKINGS.



PROJECT NO: 60528491	COUNTY: MILWAUKEE	EAST - WEST BRT	MARKINGS SHEETS	SHEET E

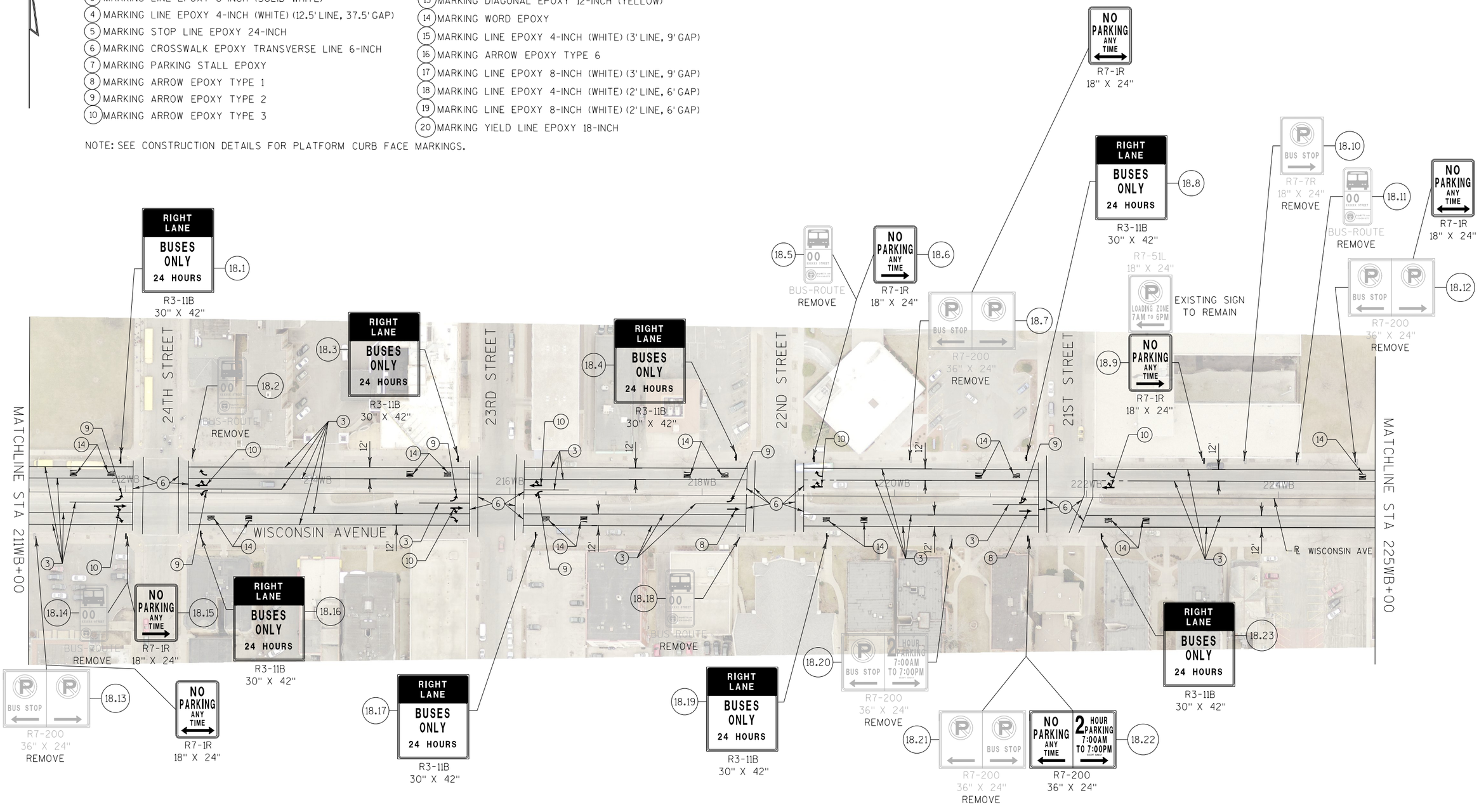
PRE_262

N

MARKING LEGEND

1. MARKING LINE EPOXY 4-INCH (SOLID WHITE)
2. MARKING LINE EPOXY 4-INCH (SOLID YELLOW)
3. MARKING LINE EPOXY 8-INCH (SOLID WHITE)
4. MARKING LINE EPOXY 4-INCH (WHITE) (12.5' LINE, 37.5' GAP)
5. MARKING STOP LINE EPOXY 24-INCH
6. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
7. MARKING PARKING STALL EPOXY
8. MARKING ARROW EPOXY TYPE 1
9. MARKING ARROW EPOXY TYPE 2
10. MARKING ARROW EPOXY TYPE 3
11. MARKING ARROW EPOXY TYPE BIKE LANE
12. MARKING SYMBOL EPOXY BIKE LANE
13. MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
14. MARKING WORD EPOXY
15. MARKING LINE EPOXY 4-INCH (WHITE) (3' LINE, 9' GAP)
16. MARKING ARROW EPOXY TYPE 6
17. MARKING LINE EPOXY 8-INCH (WHITE) (3' LINE, 9' GAP)
18. MARKING LINE EPOXY 4-INCH (WHITE) (2' LINE, 6' GAP)
19. MARKING LINE EPOXY 8-INCH (WHITE) (2' LINE, 6' GAP)
20. MARKING YIELD LINE EPOXY 18-INCH

NOTE: SEE CONSTRUCTION DETAILS FOR PLATFORM CURB FACE MARKINGS.



PROJECT NO: 60528491	COUNTY: MILWAUKEE	EAST - WEST BRT	MARKINGS SHEETS	SHEET E

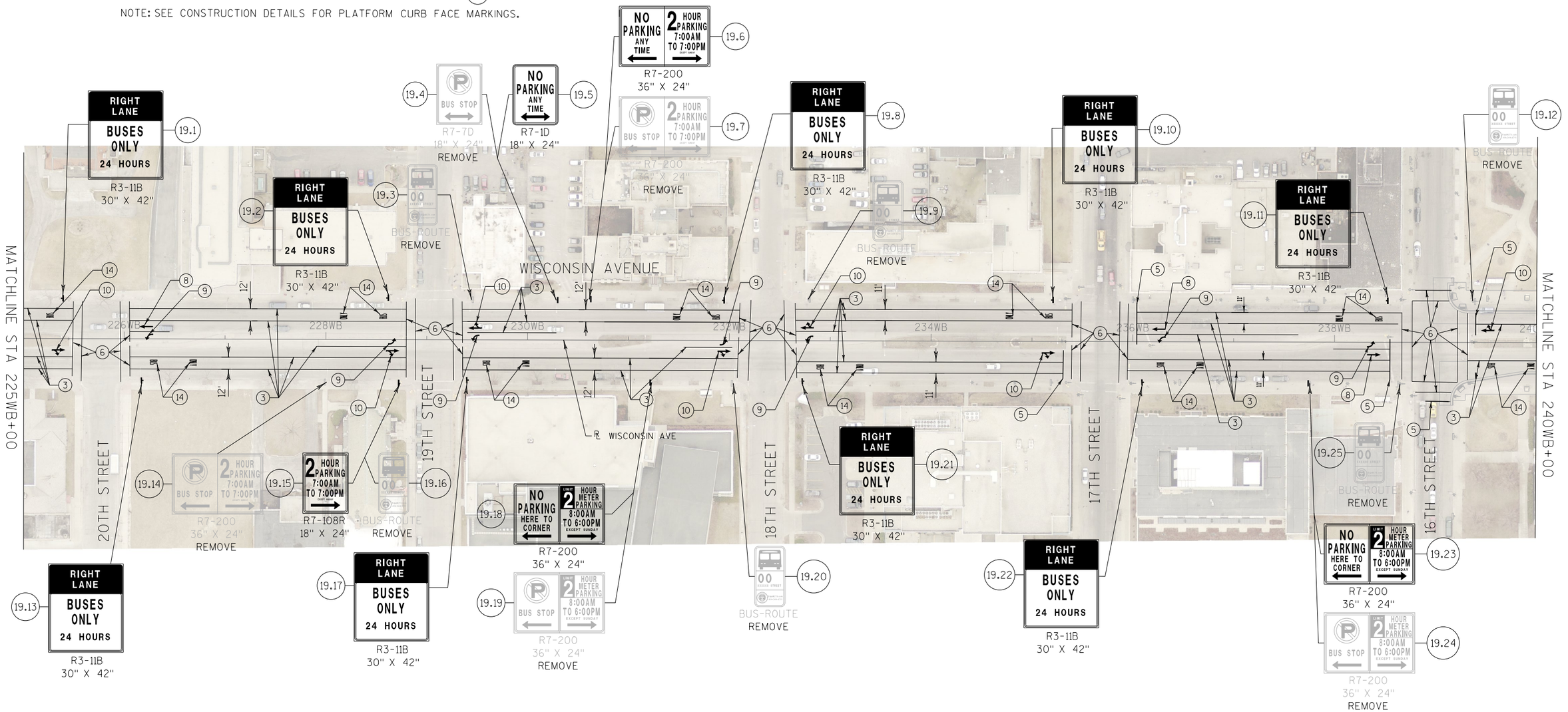
PRE_263

N

MARKING LEGEND

1. MARKING LINE EPOXY 4-INCH (SOLID WHITE)
2. MARKING LINE EPOXY 4-INCH (SOLID YELLOW)
3. MARKING LINE EPOXY 8-INCH (SOLID WHITE)
4. MARKING LINE EPOXY 4-INCH (WHITE) (12.5' LINE, 37.5' GAP)
5. MARKING STOP LINE EPOXY 24-INCH
6. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
7. MARKING PARKING STALL EPOXY
8. MARKING ARROW EPOXY TYPE 1
9. MARKING ARROW EPOXY TYPE 2
10. MARKING ARROW EPOXY TYPE 3
11. MARKING ARROW EPOXY TYPE BIKE LANE
12. MARKING SYMBOL EPOXY BIKE LANE
13. MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
14. MARKING WORD EPOXY
15. MARKING LINE EPOXY 4-INCH (WHITE) (3' LINE, 9' GAP)
16. MARKING ARROW EPOXY TYPE 6
17. MARKING LINE EPOXY 8-INCH (WHITE) (3' LINE, 9' GAP)
18. MARKING LINE EPOXY 4-INCH (WHITE) (2' LINE, 6' GAP)
19. MARKING LINE EPOXY 8-INCH (WHITE) (2' LINE, 6' GAP)
20. MARKING YIELD LINE EPOXY 18-INCH

NOTE: SEE CONSTRUCTION DETAILS FOR PLATFORM CURB FACE MARKINGS.



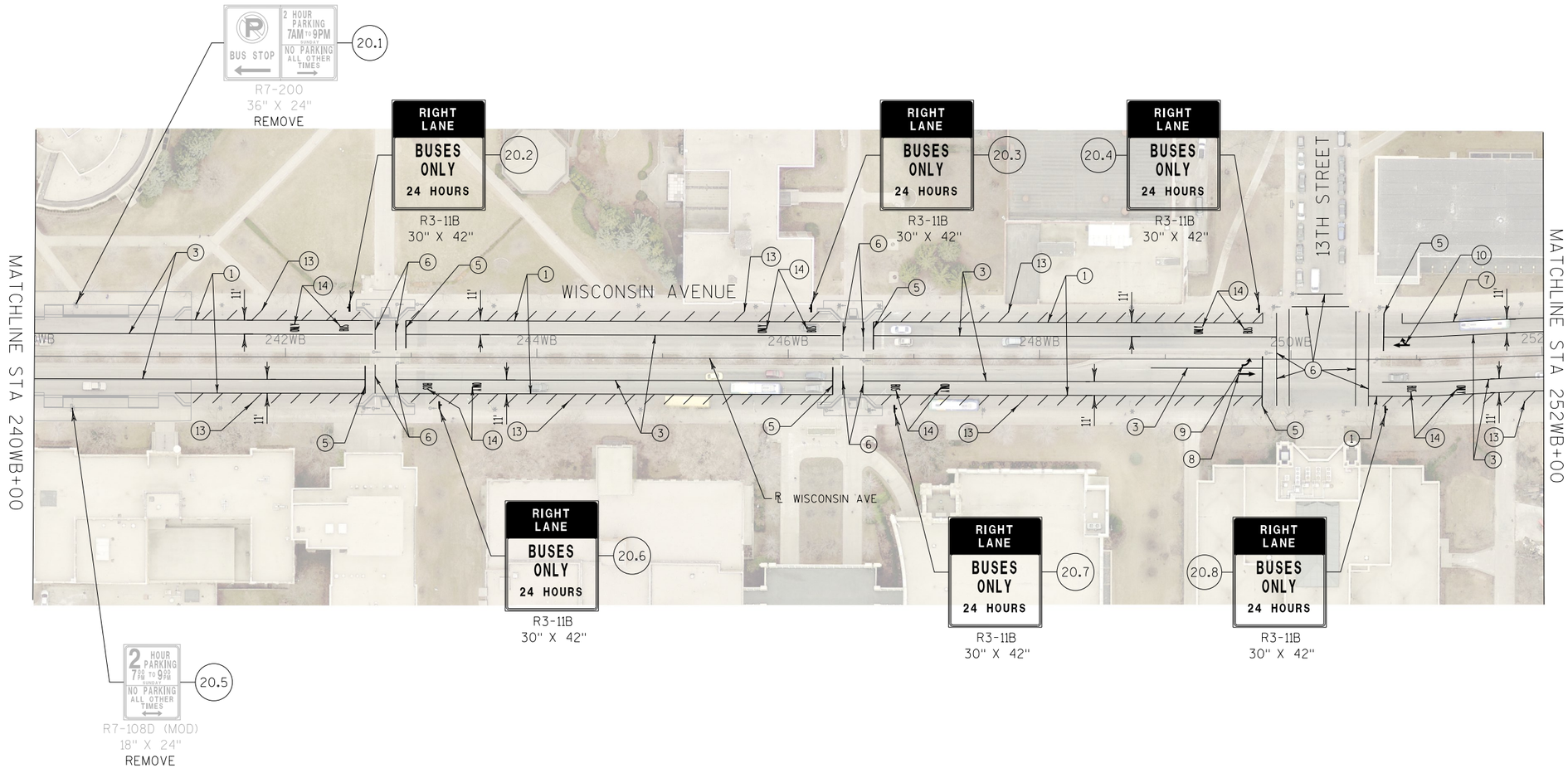
PROJECT NO: 60528491	COUNTY: MILWAUKEE	EAST - WEST BRT	MARKINGS SHEETS	SHEET E

N

MARKING LEGEND

1. MARKING LINE EPOXY 4-INCH (SOLID WHITE)
2. MARKING LINE EPOXY 4-INCH (SOLID YELLOW)
3. MARKING LINE EPOXY 8-INCH (SOLID WHITE)
4. MARKING LINE EPOXY 4-INCH (WHITE) (12.5' LINE, 37.5' GAP)
5. MARKING STOP LINE EPOXY 24-INCH
6. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
7. MARKING PARKING STALL EPOXY
8. MARKING ARROW EPOXY TYPE 1
9. MARKING ARROW EPOXY TYPE 2
10. MARKING ARROW EPOXY TYPE 3
11. MARKING ARROW EPOXY TYPE BIKE LANE
12. MARKING SYMBOL EPOXY BIKE LANE
13. MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
14. MARKING WORD EPOXY
15. MARKING LINE EPOXY 4-INCH (WHITE) (3' LINE, 9' GAP)
16. MARKING ARROW EPOXY TYPE 6
17. MARKING LINE EPOXY 8-INCH (WHITE) (3' LINE, 9' GAP)
18. MARKING LINE EPOXY 4-INCH (WHITE) (2' LINE, 6' GAP)
19. MARKING LINE EPOXY 8-INCH (WHITE) (2' LINE, 6' GAP)
20. MARKING YIELD LINE EPOXY 18-INCH

NOTE: SEE CONSTRUCTION DETAILS FOR PLATFORM CURB FACE MARKINGS.



PROJECT NO: 60528491	COUNTY: MILWAUKEE	EAST - WEST BRT	MARKINGS SHEETS	SHEET E

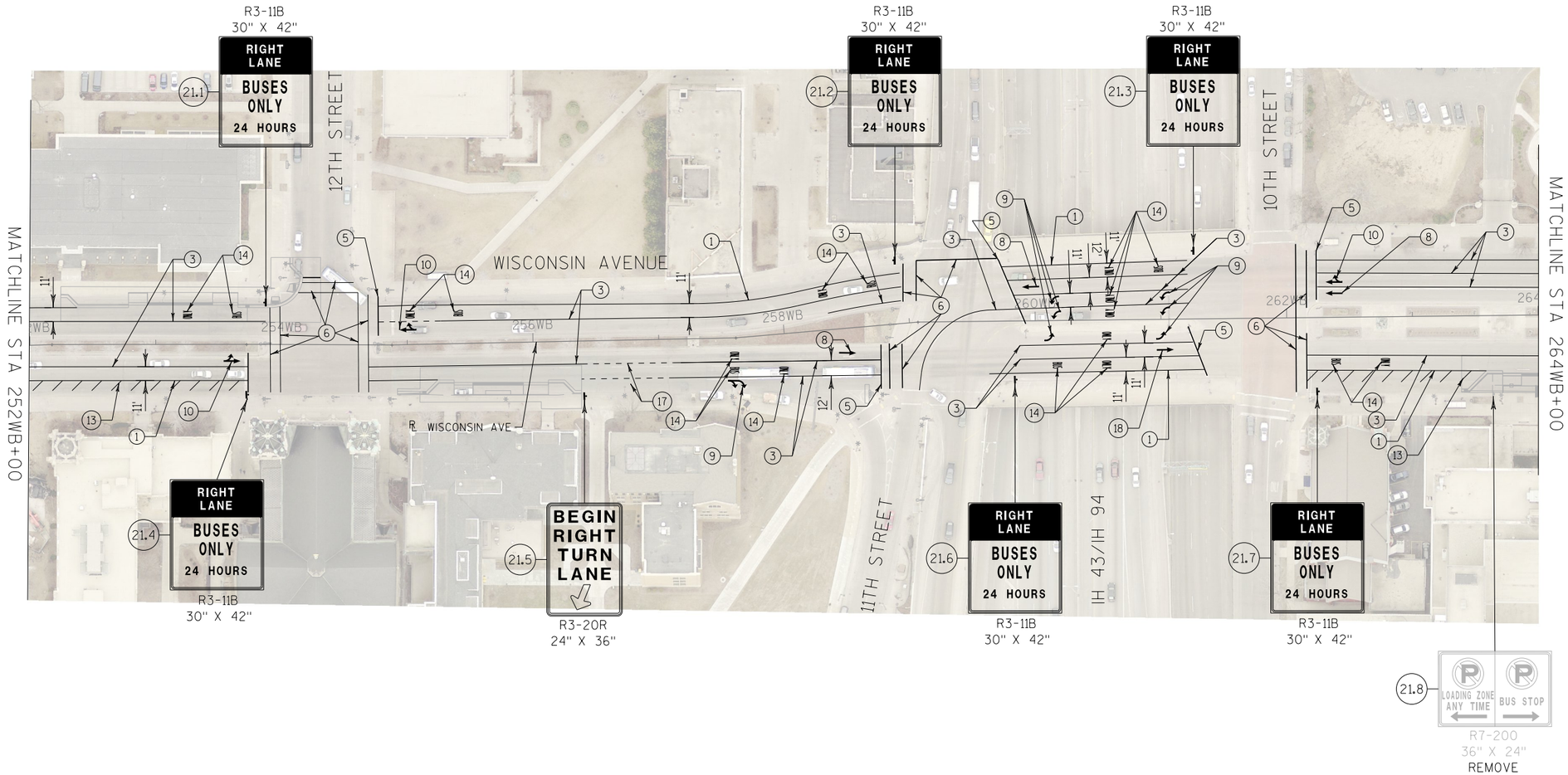
FILE NAME : \\aecompw05ics01\iCS_pdf_work_dir\9719\221962_40\024528_pm.dgn PLOT DATE : 8/2/2019 PLOT BY : aecompw05ics01$ PLOT NAME : PLOT SCALE : 100.00 sf / in.

MARKING LEGEND

1. MARKING LINE EPOXY 4-INCH (SOLID WHITE)
2. MARKING LINE EPOXY 4-INCH (SOLID YELLOW)
3. MARKING LINE EPOXY 8-INCH (SOLID WHITE)
4. MARKING LINE EPOXY 4-INCH (WHITE) (12.5' LINE, 37.5' GAP)
5. MARKING STOP LINE EPOXY 24-INCH
6. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
7. MARKING PARKING STALL EPOXY
8. MARKING ARROW EPOXY TYPE 1
9. MARKING ARROW EPOXY TYPE 2
10. MARKING ARROW EPOXY TYPE 3
11. MARKING ARROW EPOXY TYPE BIKE LANE
12. MARKING SYMBOL EPOXY BIKE LANE
13. MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
14. MARKING WORD EPOXY
15. MARKING LINE EPOXY 4-INCH (WHITE) (3' LINE, 9' GAP)
16. MARKING ARROW EPOXY TYPE 6
17. MARKING LINE EPOXY 8-INCH (WHITE) (3' LINE, 9' GAP)
18. MARKING LINE EPOXY 4-INCH (WHITE) (2' LINE, 6' GAP)
19. MARKING LINE EPOXY 8-INCH (WHITE) (2' LINE, 6' GAP)
20. MARKING YIELD LINE EPOXY 18-INCH

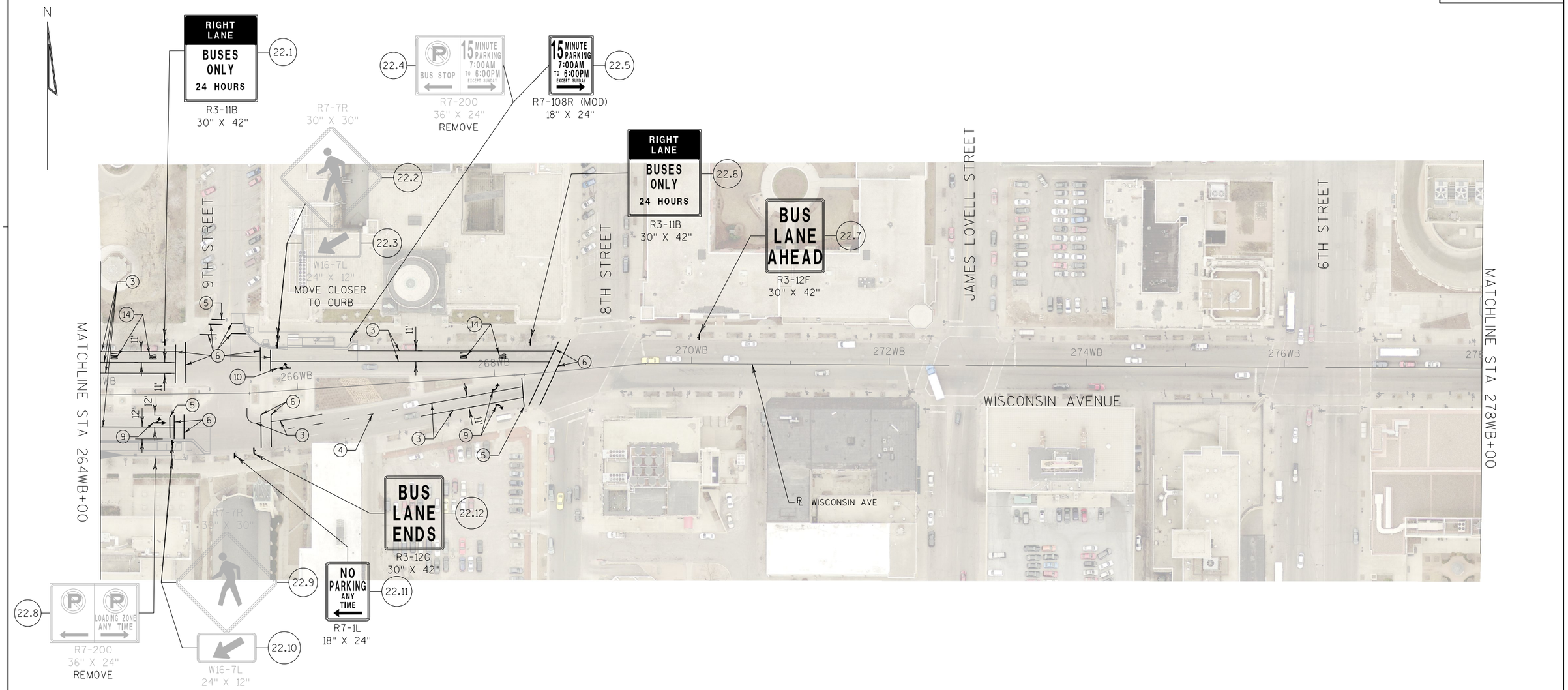
NOTE: SEE CONSTRUCTION DETAILS FOR PLATFORM CURB FACE MARKINGS.

N



PROJECT NO: 60528491	COUNTY: MILWAUKEE	EAST - WEST BRT	MARKINGS SHEETS	SHEET E

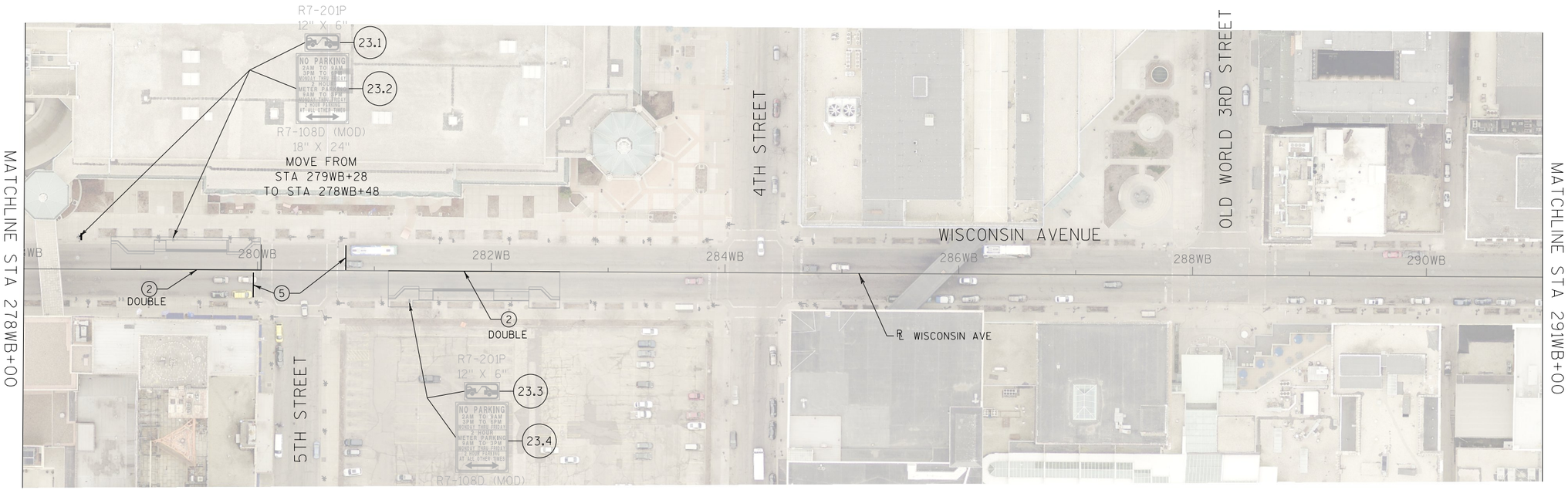
FILE NAME : \\aecompw05ics01\iCS_pdf_work_dir\9719\221962_42\024529_pm.dgn PLOT DATE : 8/2/2019 PLOT BY : aecompw05ics01$ PLOT NAME : PLOT SCALE : 100.00 sf / in.
WISDOT/CADDS SHEET 42



MARKING LEGEND

1. MARKING LINE EPOXY 4-INCH (SOLID WHITE)
2. MARKING LINE EPOXY 4-INCH (SOLID YELLOW)
3. MARKING LINE EPOXY 8-INCH (SOLID WHITE)
4. MARKING LINE EPOXY 4-INCH (WHITE) (12.5' LINE, 37.5' GAP)
5. MARKING STOP LINE EPOXY 24-INCH
6. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
7. MARKING PARKING STALL EPOXY
8. MARKING ARROW EPOXY TYPE 1
9. MARKING ARROW EPOXY TYPE 2
10. MARKING ARROW EPOXY TYPE 3
11. MARKING ARROW EPOXY TYPE BIKE LANE
12. MARKING SYMBOL EPOXY BIKE LANE
13. MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
14. MARKING WORD EPOXY
15. MARKING LINE EPOXY 4-INCH (WHITE) (3' LINE, 9' GAP)
16. MARKING ARROW EPOXY TYPE 6
17. MARKING LINE EPOXY 8-INCH (WHITE) (3' LINE, 9' GAP)
18. MARKING LINE EPOXY 4-INCH (WHITE) (2' LINE, 6' GAP)
19. MARKING LINE EPOXY 8-INCH (WHITE) (2' LINE, 6' GAP)
20. MARKING YIELD LINE EPOXY 18-INCH

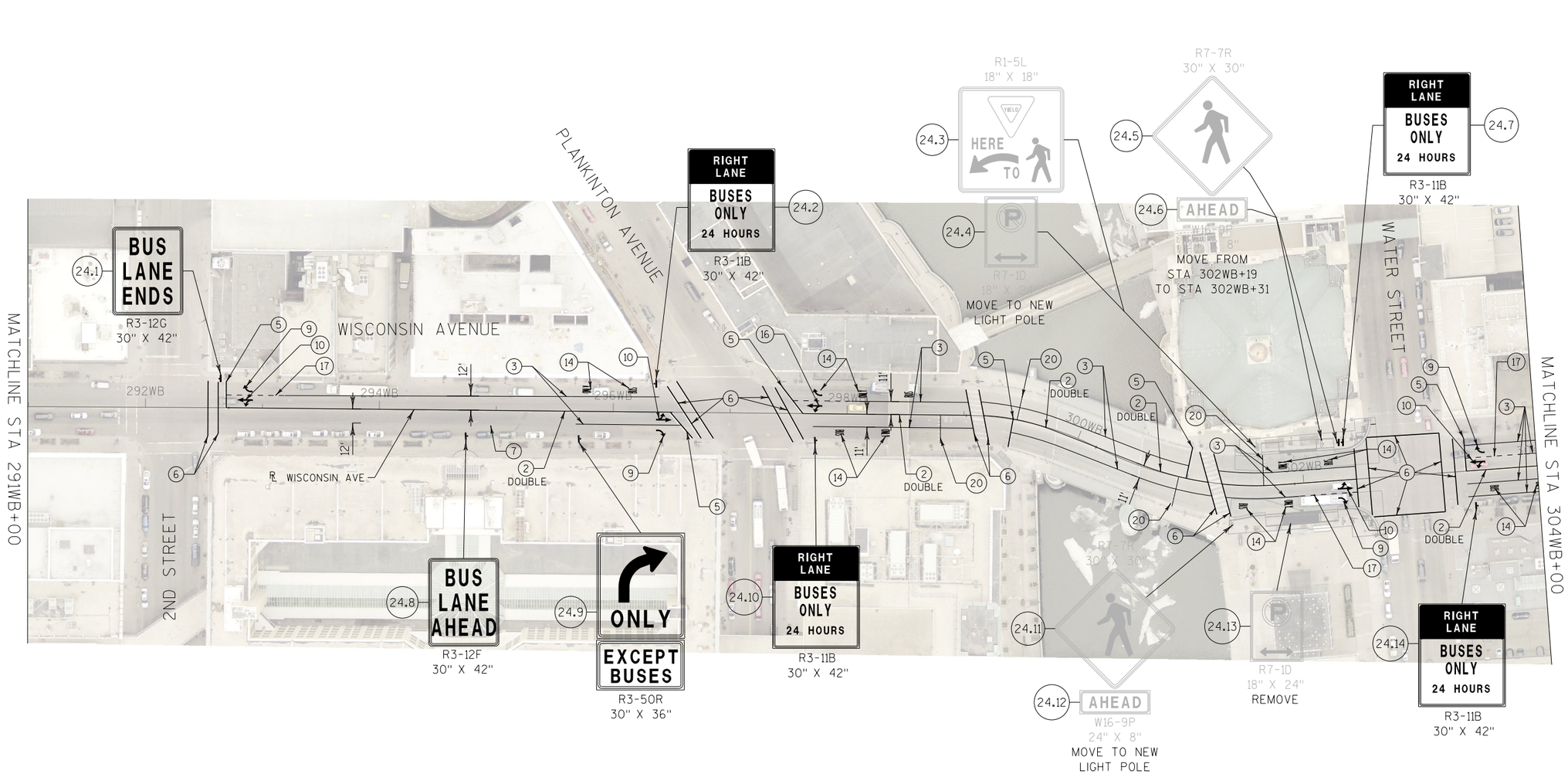
NOTE: SEE CONSTRUCTION DETAILS FOR PLATFORM CURB FACE MARKINGS.



MARKING LEGEND

1. MARKING LINE EPOXY 4-INCH (SOLID WHITE)
2. MARKING LINE EPOXY 4-INCH (SOLID YELLOW)
3. MARKING LINE EPOXY 8-INCH (SOLID WHITE)
4. MARKING LINE EPOXY 4-INCH (WHITE) (12.5' LINE, 37.5' GAP)
5. MARKING STOP LINE EPOXY 24-INCH
6. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
7. MARKING PARKING STALL EPOXY
8. MARKING ARROW EPOXY TYPE 1
9. MARKING ARROW EPOXY TYPE 2
10. MARKING ARROW EPOXY TYPE 3
11. MARKING ARROW EPOXY TYPE BIKE LANE
12. MARKING SYMBOL EPOXY BIKE LANE
13. MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
14. MARKING WORD EPOXY
15. MARKING LINE EPOXY 4-INCH (WHITE) (3' LINE, 9' GAP)
16. MARKING ARROW EPOXY TYPE 6
17. MARKING LINE EPOXY 8-INCH (WHITE) (3' LINE, 9' GAP)
18. MARKING LINE EPOXY 4-INCH (WHITE) (2' LINE, 6' GAP)
19. MARKING LINE EPOXY 8-INCH (WHITE) (2' LINE, 6' GAP)
20. MARKING YIELD LINE EPOXY 18-INCH

NOTE: SEE CONSTRUCTION DETAILS FOR PLATFORM CURB FACE MARKINGS.

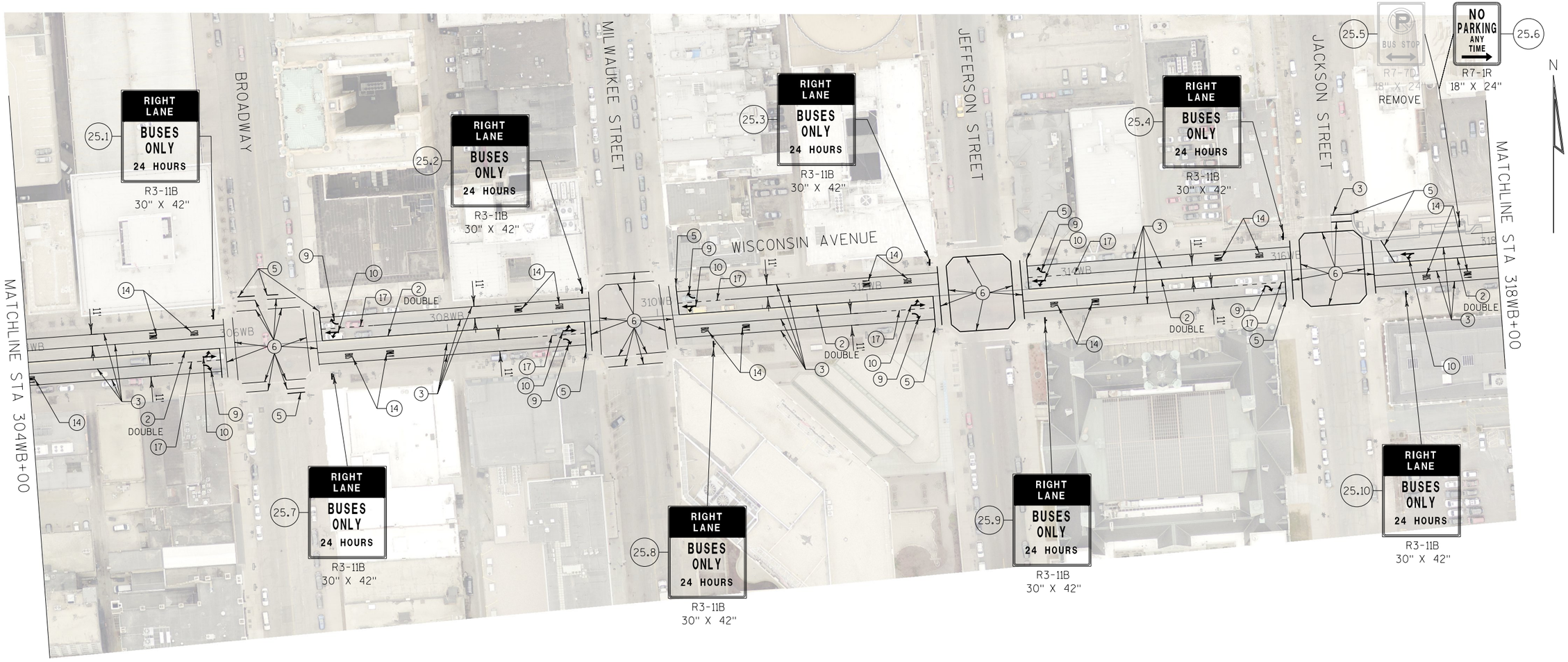


MARKING LEGEND

1. MARKING LINE EPOXY 4-INCH (SOLID WHITE)
2. MARKING LINE EPOXY 4-INCH (SOLID YELLOW)
3. MARKING LINE EPOXY 8-INCH (SOLID WHITE)
4. MARKING LINE EPOXY 4-INCH (WHITE) (12.5' LINE, 37.5' GAP)
5. MARKING STOP LINE EPOXY 24-INCH
6. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
7. MARKING PARKING STALL EPOXY
8. MARKING ARROW EPOXY TYPE 1
9. MARKING ARROW EPOXY TYPE 2
10. MARKING ARROW EPOXY TYPE 3
11. MARKING ARROW EPOXY TYPE BIKE LANE
12. MARKING SYMBOL EPOXY BIKE LANE
13. MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
14. MARKING WORD EPOXY
15. MARKING LINE EPOXY 4-INCH (WHITE) (3' LINE, 9' GAP)
16. MARKING ARROW EPOXY TYPE 6
17. MARKING LINE EPOXY 8-INCH (WHITE) (3' LINE, 9' GAP)
18. MARKING LINE EPOXY 4-INCH (WHITE) (2' LINE, 6' GAP)
19. MARKING LINE EPOXY 8-INCH (WHITE) (2' LINE, 6' GAP)
20. MARKING YIELD LINE EPOXY 18-INCH

NOTE: SEE CONSTRUCTION DETAILS FOR PLATFORM CURB FACE MARKINGS.

PROJECT NO: 60528491	COUNTY: MILWAUKEE	EAST - WEST BRT	MARKINGS SHEETS	SHEET E



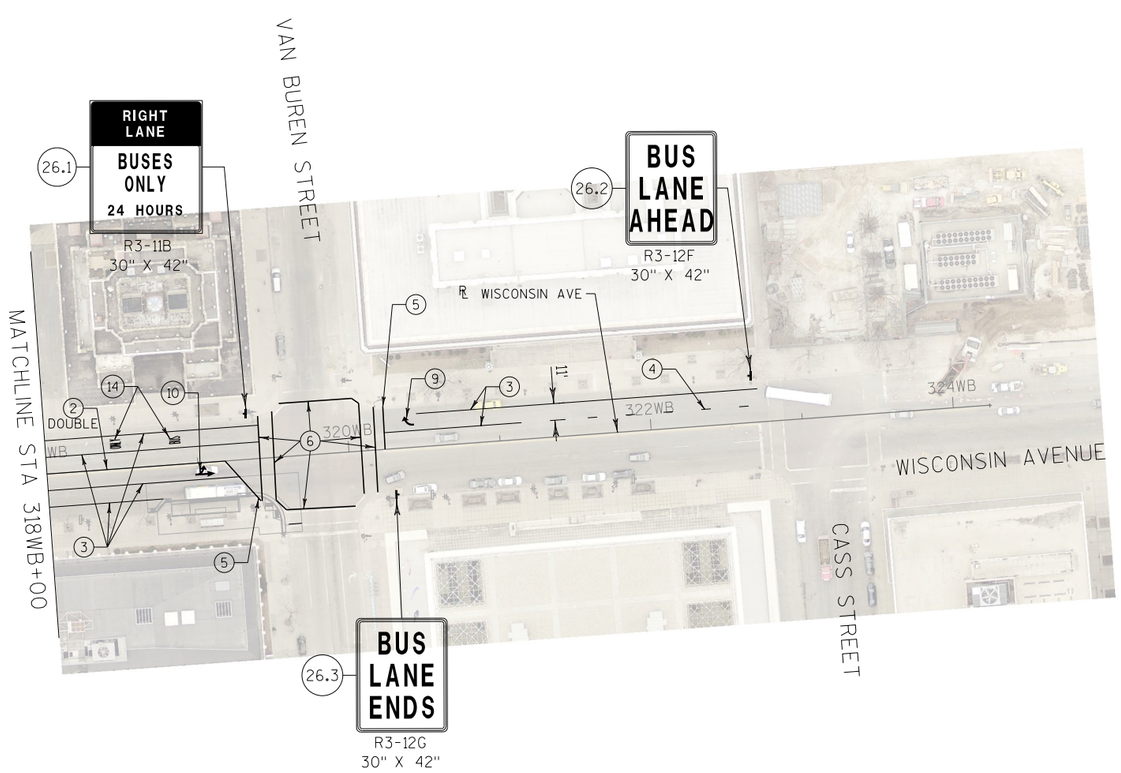
MARKING LEGEND

1. MARKING LINE EPOXY 4-INCH (SOLID WHITE)
2. MARKING LINE EPOXY 4-INCH (SOLID YELLOW)
3. MARKING LINE EPOXY 8-INCH (SOLID WHITE)
4. MARKING LINE EPOXY 4-INCH (WHITE) (12.5' LINE, 37.5' GAP)
5. MARKING STOP LINE EPOXY 24-INCH
6. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
7. MARKING PARKING STALL EPOXY
8. MARKING ARROW EPOXY TYPE 1
9. MARKING ARROW EPOXY TYPE 2
10. MARKING ARROW EPOXY TYPE 3
11. MARKING ARROW EPOXY TYPE BIKE LANE
12. MARKING SYMBOL EPOXY BIKE LANE
13. MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
14. MARKING WORD EPOXY
15. MARKING LINE EPOXY 4-INCH (WHITE) (3' LINE, 9' GAP)
16. MARKING ARROW EPOXY TYPE 6
17. MARKING LINE EPOXY 8-INCH (WHITE) (3' LINE, 9' GAP)
18. MARKING LINE EPOXY 4-INCH (WHITE) (2' LINE, 6' GAP)
19. MARKING LINE EPOXY 8-INCH (WHITE) (2' LINE, 6' GAP)
20. MARKING YIELD LINE EPOXY 18-INCH

NOTE: SEE CONSTRUCTION DETAILS FOR PLATFORM CURB FACE MARKINGS.

PROJECT NO: 60528491	COUNTY: MILWAUKEE	EAST - WEST BRT	MARKINGS SHEETS	SHEET E

PRE_270

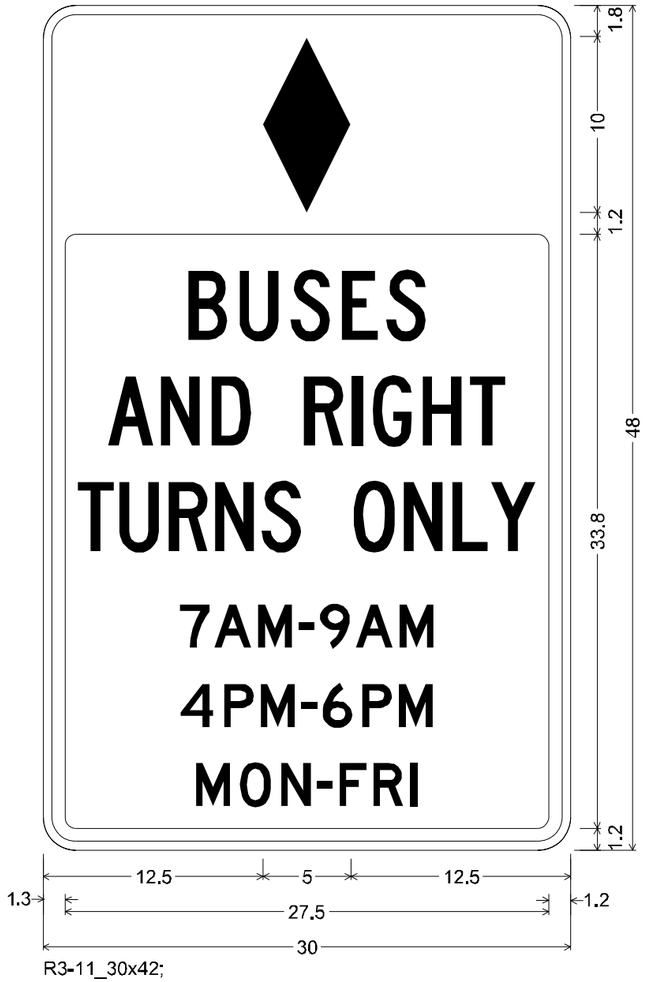


MARKING LEGEND

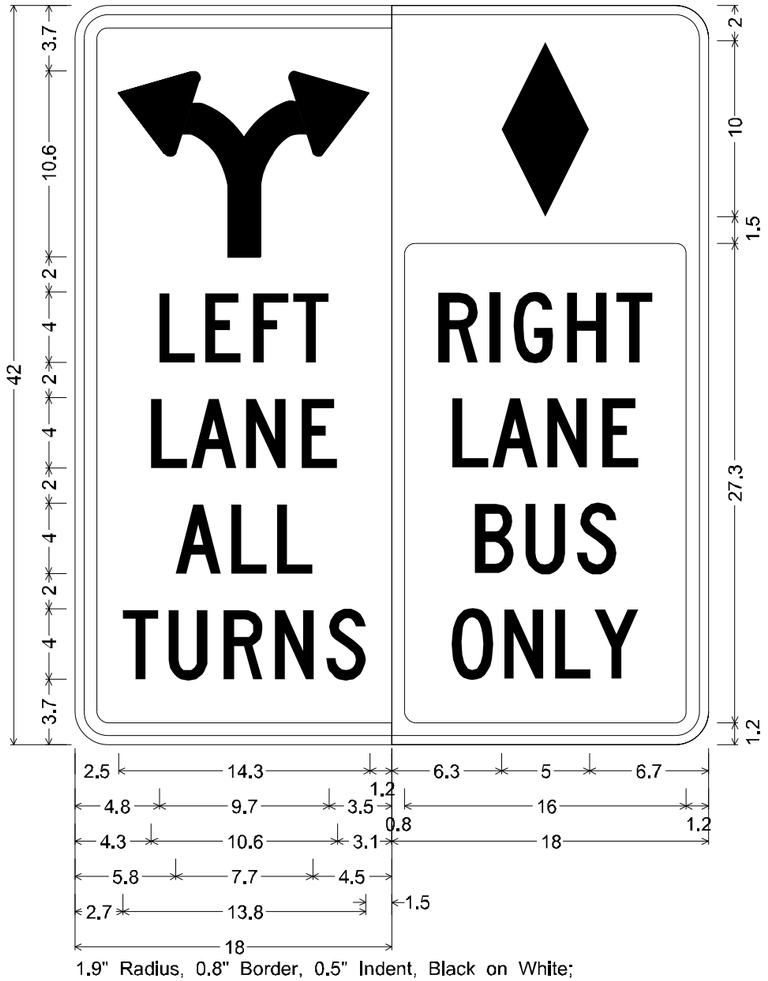
1. MARKING LINE EPOXY 4-INCH (SOLID WHITE)
2. MARKING LINE EPOXY 4-INCH (SOLID YELLOW)
3. MARKING LINE EPOXY 8-INCH (SOLID WHITE)
4. MARKING LINE EPOXY 4-INCH (WHITE) (12.5' LINE, 37.5' GAP)
5. MARKING STOP LINE EPOXY 24-INCH
6. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
7. MARKING PARKING STALL EPOXY
8. MARKING ARROW EPOXY TYPE 1
9. MARKING ARROW EPOXY TYPE 2
10. MARKING ARROW EPOXY TYPE 3
11. MARKING ARROW EPOXY TYPE BIKE LANE
12. MARKING SYMBOL EPOXY BIKE LANE
13. MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
14. MARKING WORD EPOXY
15. MARKING LINE EPOXY 4-INCH (WHITE) (3' LINE, 9' GAP)
16. MARKING ARROW EPOXY TYPE 6
17. MARKING LINE EPOXY 8-INCH (WHITE) (3' LINE, 9' GAP)
18. MARKING LINE EPOXY 4-INCH (WHITE) (2' LINE, 6' GAP)
19. MARKING LINE EPOXY 8-INCH (WHITE) (2' LINE, 6' GAP)
20. MARKING YIELD LINE EPOXY 18-INCH

NOTE: SEE CONSTRUCTION DETAILS FOR PLATFORM CURB FACE MARKINGS.

N



R3-11_30x42;
1.9" Radius, 0.5" Border, White on Black;
Symbol RG005; Rounded Rectangle 0.6" Radius;

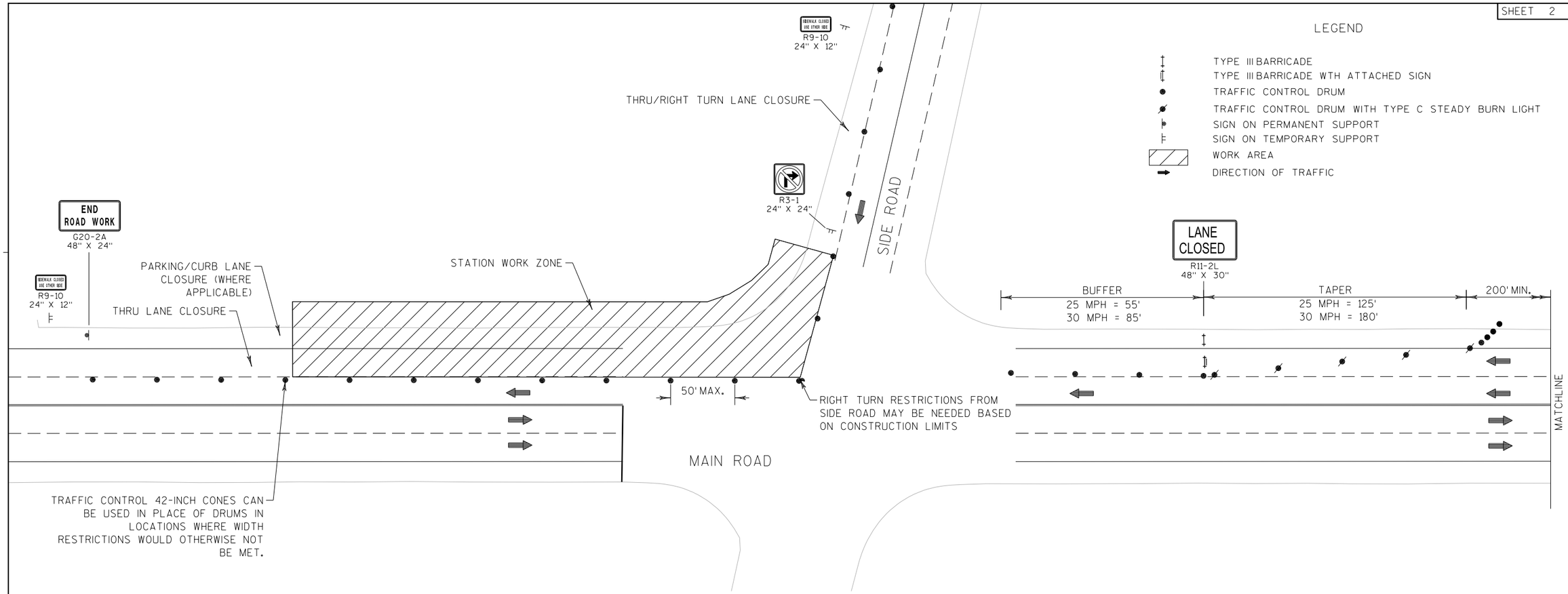


1.9" Radius, 0.8" Border, 0.5" Indent, Black on White;
123; [LEFT] C 2K; [LANE] C 2K; [ALL] C 2K; [TURNS] C 2K;
1.9" Radius, 0.5" Border, White on Black;
Symbol RG005; Rounded Rectangle 0.6" Radius;

TRAFFIC CONTROL BY STATION

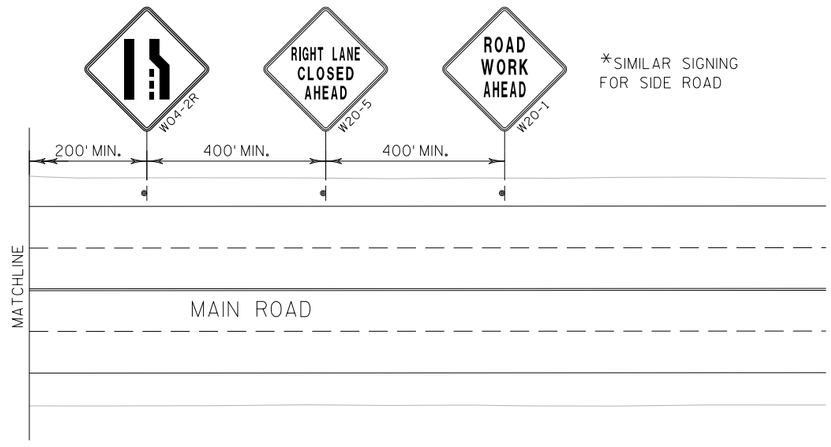
STATION	LOCATION	TRAFFIC CONTROL CONCEPT
1	WATERTOWN PLANK PARK AND RIDE	CLOSE CURB LANE AT CURRENT BUS STATION. TEMPORARY PEDESTRIAN/BUS LOADING ACCOMMODATIONS NEEDED.
2	95TH ST & BLUEMOUND RD NB	TBD BY MRMC
3	92ND ST & CONNELL AVE SB	TBD BY MRMC
4	95TH STREET AT BLUE MOUND ROAD NB	CLOSE ONE THRU LANE, BIKE LANE, AND PARKING LANE ON 95TH STREET. CLOSE SIDEWALK TO PEDESTRIANS.
5	BLUE MOUND ROAD AT 95TH STREET EB	CLOSE ONE THRU LANE ON EB BLUEMOUND AND PARKING LANE. CHANGE ONE THRU/RIGH TURN LANE ON 95TH STREET TO RIGHT TURN ONLY. CLOSE PARKING LANE ON NB 95TH STREET. CLOSE SIDEWALK TO PEDESTRIANS.
6	BLUE MOUND ROAD AT GLENVIEW AVENUE WB	CLOSE ONE THRU LANE ON BLUEMOUND ROAD WB. CLOSE SIDEWALK TO PEDESTRIANS.
7	BLUE MOUND ROAD AT GLENVIEW AVENUE EB	CLOSE ONE THRU LANE AND PARKING LANE ON BLUEMOUND ROAD EB AND CLOSE EASTERN DRIVEWAY TO GROCERY STORE.
8	BLUE MOUND ROAD AT 76TH STREET WB	CLOSE ONE THRU LANE ON WB BLUEMOUND ROAD AND SB THRU LANE ON 75TH STREET. LEFT TURN LANE ON 76TH STREET TO BE THRU/LEFT TURN LANE. CLOSE SIDEWALK TO PEDESTRIANS.
9	BLUE MOUND ROAD AT 76TH STREET EB	CLOSE ONE THRU LANE ON EB BLUEMOUND ROAD. CLOSE DRIVEWAY TO BUSINESS.
10	BLUE MOUND ROAD AT 68TH STREET WB	CLOSE ONE THRU LANE ON WB BLUEMOUND ROAD AND RESTRICT WB THRU/RIGHT TURN LANE TO RIGHT TURN ONLY. CLOSE SIDEWALK TO PEDESTRIANS.
11	BLUE MOUND ROAD AT 68TH STREET EB	CLOSE ONE THRU LANE ON EB BLUEMOUND ROAD. CLOSE SIDEWALK TO PEDESTRIANS.
12	HAWLEY ROAD AT MICHIGAN STREET NB	CLOSE ONE THRU LANE ON NB HAWLEY ROAD AND RESTRICT NB THRU/RIGHT TURN LANE TO RIGHT TURN ONLY. CLOSE SIDEWALK TO PEDESTRIANS. CLOSE BUSINESS DRIVEWAYS.
13	HAWLEY ROAD AT MICHIGAN STREET SB	CLOSE ONE THRU LANE ON SB HAWLEY ROAD. RIGHT TURN RESTRICTIONS FROM MICHIGAN STREET MAY BE NEEDED. CLOSE SIDEWALK TO PEDESTRIANS.
14	WISCONSIN AVENUE AT 53RD STREET WB	CLOSE ONE THRU LANE ON WB WISCONSIN AVENUE AND PARKING LANE. RESTRICT 53RD STREET NB THRU/RIGHT TURN LANE TO RIGHT TURN ONLY. CLOSE SIDEWALK TO PEDESTRIANS.
15	WISCONSIN AVENUE AT 53RD STREET EB	CLOSE ONE THRU LANE ON EB WISCONSIN AVENUE AND PARKING LANE. CLOSE SIDEWALK TO PEDESTRIANS.
16	WISCONSIN AVENUE AT 45TH STREET WB	CLOSE ONE THRU LANE AND DEVELOPING RIGHT TURN LANE ON WB WISCONSIN AVENUE. CLOSE MAIN HUMANE SOCIETY DRIVEWAY. CLOSE SIDEWALK TO PEDESTRIANS.
17	WISCONSIN AVENUE AT 45TH STREET EB	CLOSE ONE THRU LANE ON EB WISCONSIN AVENUE. CLOSE ONE THRU LANE ON BLUEMOUND ROAD CONENCTOR FOR WB TO SB MOVEMENT AND EB TO SB MOVEMENT.
18	WISCONSIN AVENUE AT 35TH STREET WB	CLOSE CURB/DEVELOPING RIGHT TURN LANE ON WB WISCONSIN AVENUE AND RESTRICT WB THRU/RIGHT TURN LANE TO RIGHT TURN ONLY. CLOSE SIDEWALK TO PEDESTRIANS.
19	WISCONSIN AVENUE AT 35TH STREET EB	CLOSE ONE THRU LANE AND ONE CURB LANE ON EB WISCONSIN AVENUE. CLOSE ONE THRU LANE ON NB 35TH STREET. CLOSE SIDEWALK TO PEDESTRIANS.

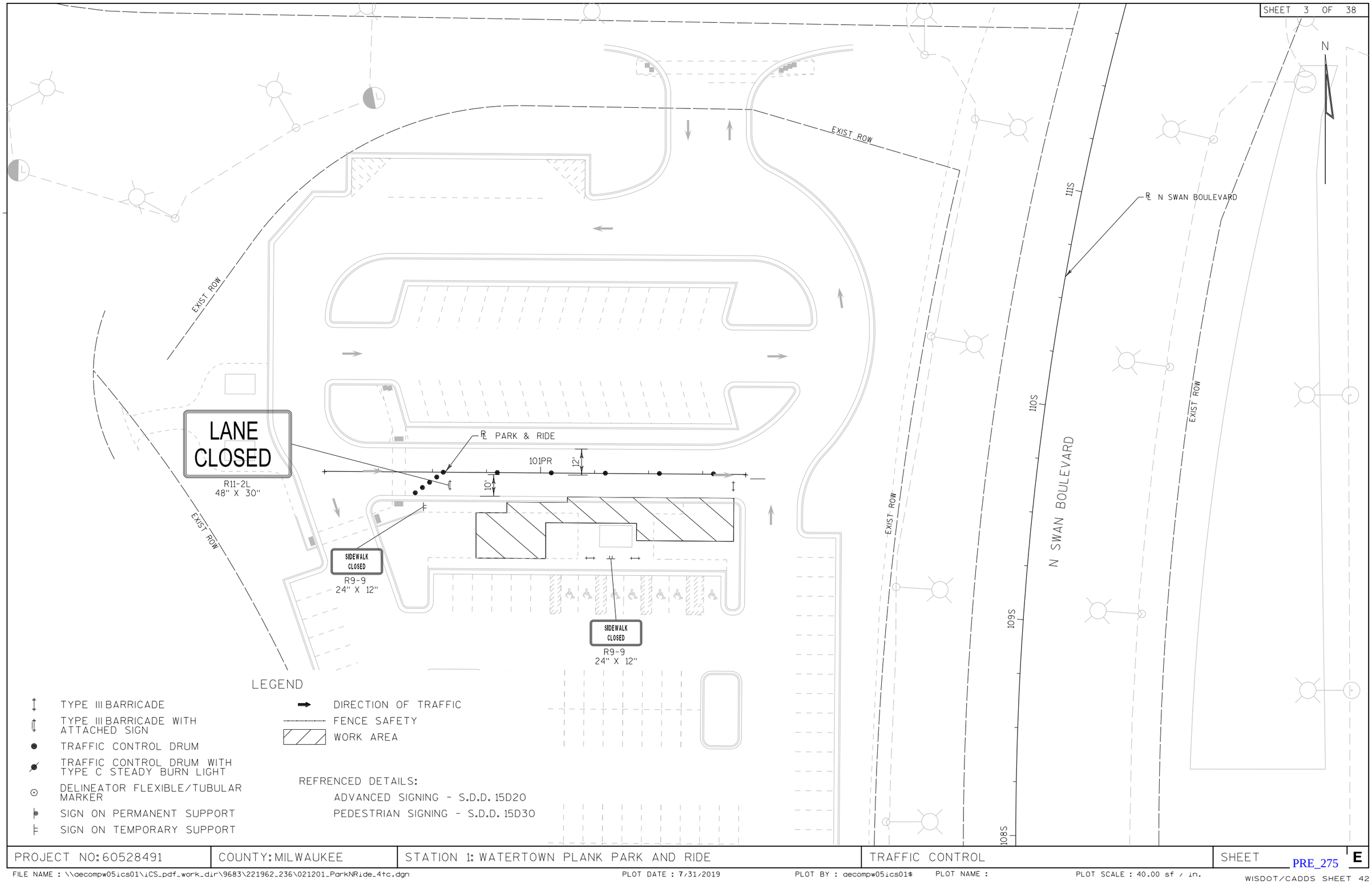
STATION	LOCATION	TRAFFIC CONTROL CONCEPT
20	WISCONSIN AVENUE AT 27TH STREET WB	CLOSE ONE THRU LANE AND ONE CURB LANE ON WB WISCONSIN AVENUE. CLOSE ONE THRU LANE ON SB 27TH STREET. RIGHT TURN RESTRICTIONS ONTO WISCONSIN AVENUE. CLOSE SIDEWALK TO PEDESTRIANS.
21	WISCONSIN AVENUE AT 27TH STREET EB	CLOSE ONE CURB LANE ON EB WISCONSIN AVENUE AND RESTRICT EB THRU/RIGHT TURN LANE TO RIGHT TURN ONLY. CLOSE SIDEWALK TO PEDESTRIANS. CLOSE RIGHT TURN LANE ON NB 27TH STREET.
22, P1, & P2	WISCONSIN AVE AT 16TH, 15TH, & 14TH ST WB	CLOSE ONE THRU LANE AND PARKING LANE ON WB WISCONSIN AVENUE AND RESTRICT 16TH STREET NB THRU/RIGHT TURN LANE TO RIGHT TURN ONLY. CLOSE SIDEWALK TO PEDESTRIANS.
23, P1, & P2	WISCONSIN AVE AT 16TH, 15TH, & 14TH ST EB	CLOSE ONE THRU LANE AND PARKING LANE ON EB WISCONSIN AVENUE. CLOSE ONE THRU LANE AND PARKING LANE ON NB 16TH STREET. RIGHT TURN RESTRICTION ONTO WISCONSIN AVENUE. CLOSE SIDEWALK TO PEDESTRIANS.
24	WISCONSIN AVENUE AT 12TH STREET WB	CLOSE ONE THRU LANE AND PARKING LANE ON WISCONSIN AVENUE AND RESTRICT WB THRU/RIGHT TURN LANE TO RIGHT TURN ONLY. CLOSE ONE THRU LANE AND PARKING LANE ON 12TH STREET. SHIFT SB & NB 12TH STREET TRAFFIC INTO NB LANES. RIGHT TURN RESTRICTIONS ONTO WISCONSIN AVENUE.
58	WISCONSIN AVENUE AT 12TH STREET EB	CLOSE ONE THRU LANE ON WISCONSIN AVENUE AND PARKING LANE. CLOSE SIDEWALK TO PEDESTRIANS.
26	WISCONSIN AVENUE AT 9TH STREET EB	CLOSE ONE THRU LANE ON WISCONSIN AVENUE AND PARKING LANE. CLOSE SIDEWALK TO PEDESTRIANS.
27	WISCONSIN AVENUE AT 9TH STREET WB	CLOSE ONE THRU LANE AND PARKING LANE ON WISCONSIN AVENUE. NB 9TH STREET WILL BE CLOSED TO TRAFFIC.
28	WISCONSIN AVENUE AT 5TH STREET WB	CLOSE ONE THRU LANE AND PARKING LANE ON WB WISCONSIN AVENUE. CLOSE PARKING LANE ON EB WISCONSIN AVENUE. SHIFT EB AND WB TRAFFIC TO EB LANES.
29	WISCONSIN AVENUE AT 5TH STREET EB	CLOSE ONE THRU LANE AND PARKING LANE ON EB WISCONSIN AVENUE. CLOSE PARKING LANE ON WB WISCONSIN AVENUE. SHIFT EB AND WB TRAFFIC TO WB LANES.
30	WISCONSIN AVENUE AT WATER STREET WB	CLOSE ONE THRU LANE AND PARKING LANE ON WB WISCONSIN AVENUE. CLOSE PARKING LANE ON WATER STREET. RESTRICT RIGHT TURNS ONTO WISCONSIN AVENUE. CLOSE SIDEWALK TO PEDESTRIANS.
31	WISCONSIN AVENUE AT WATER STREET EB	CLOSE ONE PARKING LANE ON EB WISCONSIN AVENUE.
32	WISCONSIN AVENUE AT JACKSON STREET WB	CLOSE ONE THRU LANE AND PARKING LANE ON WB WISCONSIN AVENUE. CLOSE ONE THRU LANE AND PARKING LANE ON SB JACKSON STREET (EASTERN SIDE OF ONE WAY).
33	WISCONSIN AVENUE AT VAN BUREN STREET EB	CLOSE ONE THRU LANE AND PARKING LANE ON EB WISCONSIN AVENUE. CLOSE PARKING LANE ON NB VAN BUREN STREET (WESTERN SIDE OF ONE WAY).



NOTE:
SOME STATIONS MAY REQUIRE ADDITIONAL LANE CLOSURES, SHIFTS, AND MOVEMENT MODIFICATIONS TO ACCOMMODATE TRAFFIC DURING CONSTRUCTION OPERATIONS.

REFER TO WISDOT STANDARD DETAILS FOR ADDITIONAL INFORMATION:
"CHANNELIZING DEVICES - DRUMS, CONES, BARRICADES AND VERTICAL PANEL",
"TRAFFIC CONTROL, LANE CLOSURE",
"TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON FREEWAY/EXPRESSWAY",
"TRAFFIC CONTROL, TWO LANE CLOSURE, NON FREEWAY/EXPRESSWAY",
"TRAFFIC CONTROL, INTERSECTION WITHIN TWO LANCE CLOSURE",
"TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION",
"TRAFFIC CONTROL, TEMPORARY PEDESTRIAN ACCOMMODATION", AND
"TRAFFIC CONTROL, TEMPORARY ADA COMPLIANT PEDESTRIAN ACCOMMODATION".





LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DIRECTION OF TRAFFIC
- FENCE SAFETY
- WORK AREA

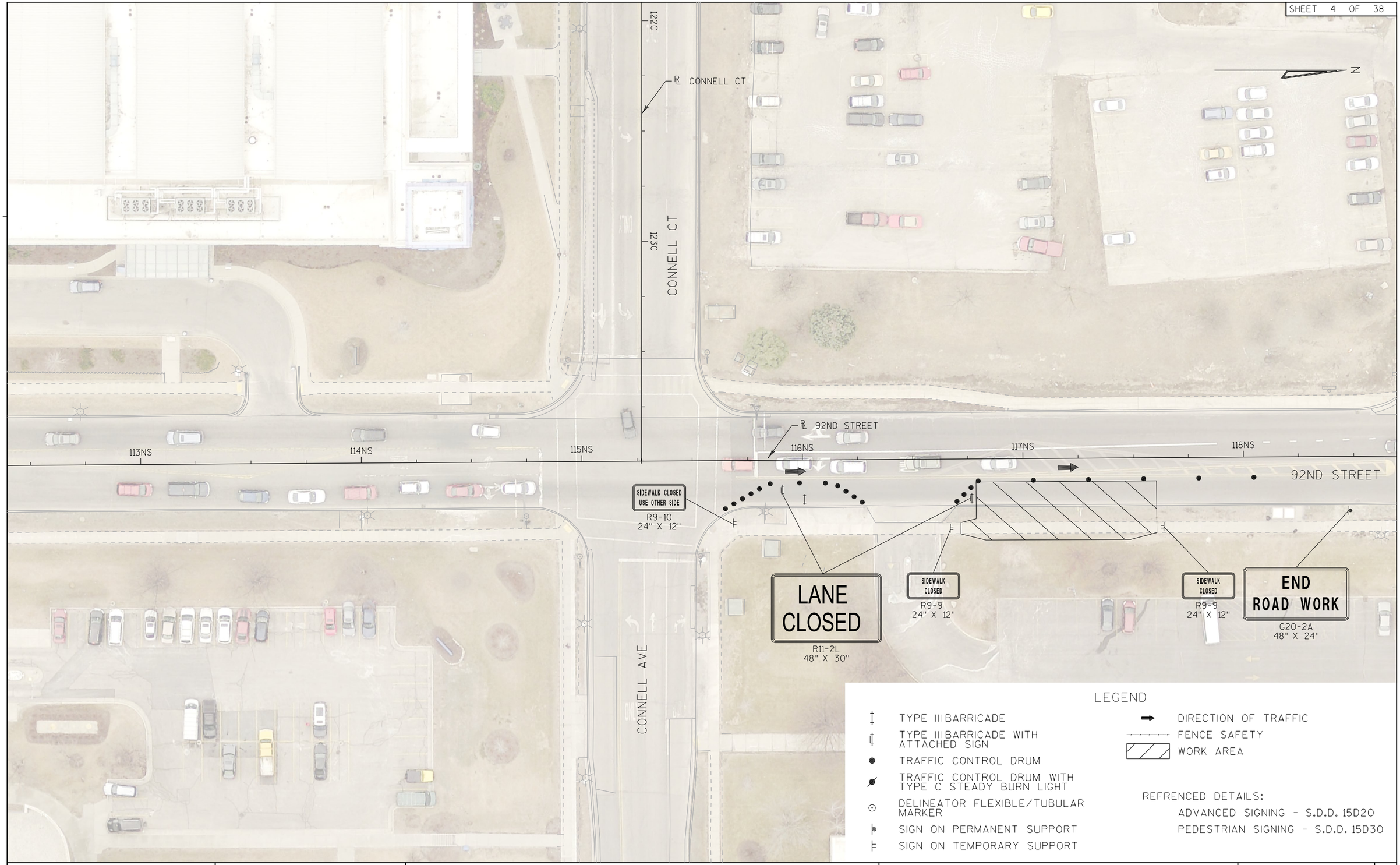
REFRENCED DETAILS:

ADVANCED SIGNING - S.D.D. 15D20

PEDESTRIAN SIGNING - S.D.D. 15D30

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 1: WATERTOWN PLANK PARK AND RIDE	TRAFFIC CONTROL	SHEET E

PRE_275



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DIRECTION OF TRAFFIC
- FENCE SAFETY
- WORK AREA

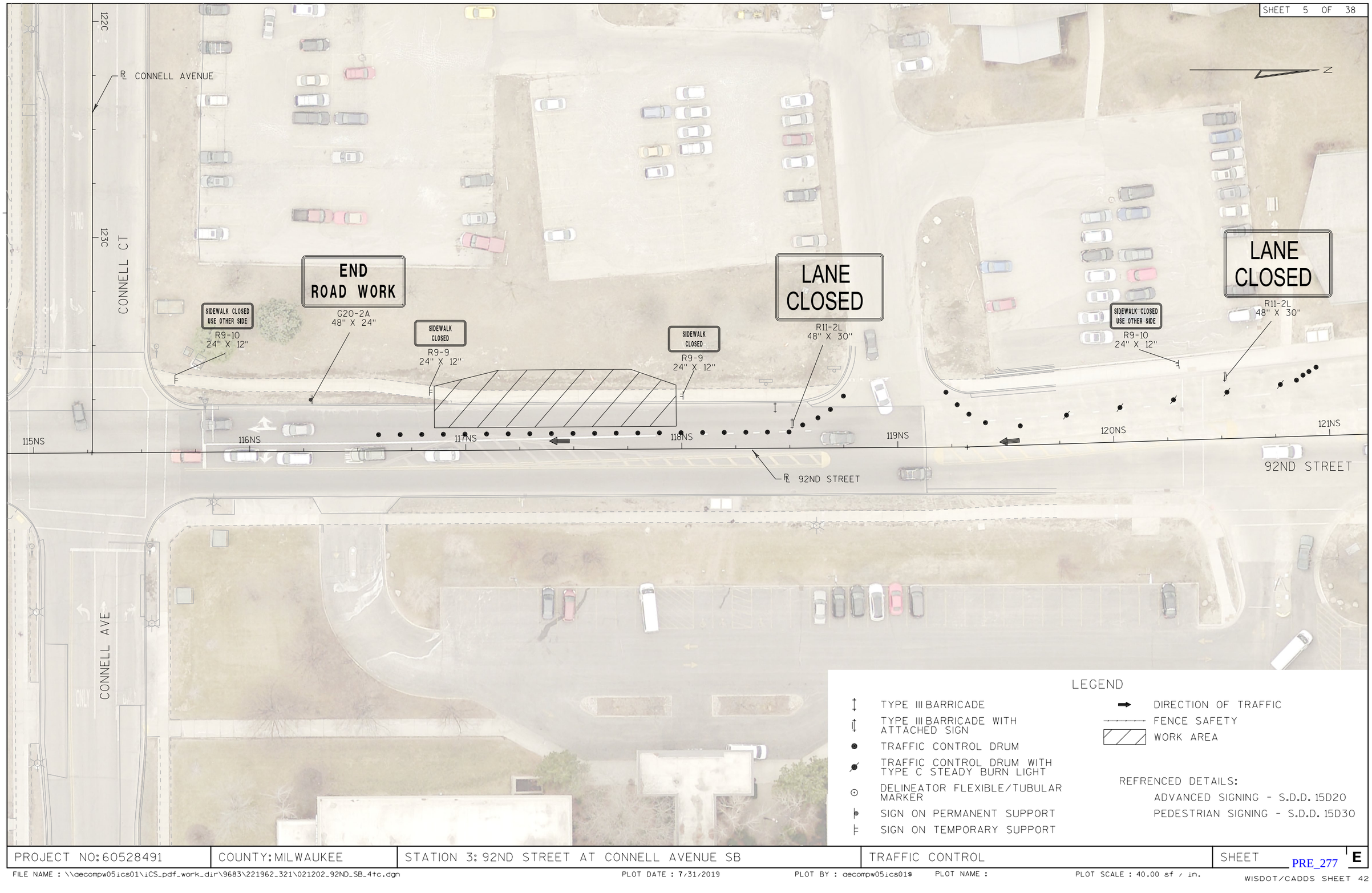
REFRENCED DETAILS:

ADVANCED SIGNING - S.D.D. 15D20

PEDESTRIAN SIGNING - S.D.D. 15D30

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 2: 92ND STREET AT CONNELL AVENUE NB	TRAFFIC CONTROL	SHEET E

PRE_276



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DIRECTION OF TRAFFIC
- FENCE SAFETY
- WORK AREA

REFRENCED DETAILS:

ADVANCED SIGNING - S.D.D. 15D20

PEDESTRIAN SIGNING - S.D.D. 15D30

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 3: 92ND STREET AT CONNELL AVENUE SB	TRAFFIC CONTROL	SHEET E

FILE NAME : \\aecompw05ics01\iCS_pdf_work_dir\9683\221962_321\021202_92ND_SB_4tc.dgn PLOT DATE : 7/31/2019 PLOT BY : aecompw05ics01$ PLOT NAME : PLOT SCALE : 40.00 sf / in.

WISDOT/CADDS SHEET 42

N

EXIST ROW

EXIST ROW

102B

103B

BLUE MOUND ROAD

104NF

105NF

106NF

107NF

108NF

109NF

℄ 95TH STREET

95TH STREET

EXIST ROW

103NF

℄ BLUE MOUND ROAD

104B

105B

EXIST ROW

EXIST ROW

EXIST ROW

SEE "ADVANCED SIGNING" DETAIL

LANE CLOSED
R11-2L
48" X 30"

SIDEWALK CLOSED
R9-9
24" X 12"

SIDEWALK CLOSED
R9-9
24" X 12"

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

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DIRECTION OF TRAFFIC
- FENCE SAFETY
- WORK AREA

REFRENCED DETAILS:
ADVANCED SIGNING - S.D.D. 15D20
PEDESTRIAN SIGNING - S.D.D. 15D30

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 4: 95TH STREET AT BLUE MOUND ROAD NB	TRAFFIC CONTROL	SHEET E

PRE_278

FILE NAME : \\aecompw05ics01\iCS_pdf_work_dir\9683\221962_237\021203_95TH_NB_4tc.dgn PLOT DATE : 7/31/2019 PLOT BY : aecompw05ics01$ PLOT NAME : PLOT SCALE : 40.00 sf / in.

N

95TH STREET

ONLY

105NF

EXIST ROW

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

EXIST ROW

EXIST ROW

EXIST ROW

EXIST ROW

℄ 95TH STREET

BLUE MOUND ROAD

TEMPORARY MARKING LINE
REMOVABLE TAPE 8-INCH

102B

103B

104NF

104B

105B

106B

107B

108B

℄ BLUE MOUND ROAD

SEE "ADVANCED SIGNING" DETAIL

EXIST ROW

TEMPORARY MARKING ARROW
REMOVABLE TAPE (FOR RIGHT TURN ONLY)

RIGHT
TURN
ONLY
R3-53R
24" X 30"

EXIST ROW

103NF

EXIST ROW

LANE
CLOSED
R11-2L
48" X 30"

SIDEWALK
CLOSED
R9-9
24" X 12"

SIDEWALK
CLOSED
R9-9
24" X 12"

EXIST ROW

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

LANE
CLOSED
R11-2L
48" X 30"

102NF

SEE "ADVANCED SIGNING" DETAIL

EXIST ROW

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DIRECTION OF TRAFFIC
- FENCE SAFETY
- WORK AREA

REFRENCED DETAILS:
ADVANCED SIGNING - S.D.D. 15D20
PEDESTRIAN SIGNING - S.D.D. 15D30

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 5: BLUE MOUND ROAD AT 95TH STREET EB	TRAFFIC CONTROL	SHEET E

FILE NAME : \\aecompw05ics01\iCS_pdf_work_dir\9683\221962_238\021204_95TH_EB_4tc.dgn PLOT DATE : 7/31/2019 PLOT BY : aecompw05ics01$ PLOT NAME : PLOT SCALE : 40.00 sf / in.
WISDOT/CADDS SHEET 42

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

EXIST ROW

ROBERTSON STREET

EXIST ROW

SIDEWALK CLOSED
R9-9
24" X 12"

SIDEWALK CLOSED
R9-9
24" X 12"

LANE CLOSED
R11-2L
48" X 30"

EXIST ROW

BLUE MOUND ROAD

R BLUE MOUND ROAD

139B 140B 141B 142B 143B 144B

EXIST ROW

EXIST ROW

EXIST ROW

EXIST ROW

EXIST ROW

GLENVIEW AVENUE

ONLY

N

MATCHLINE STA 144B+49.38

LEGEND

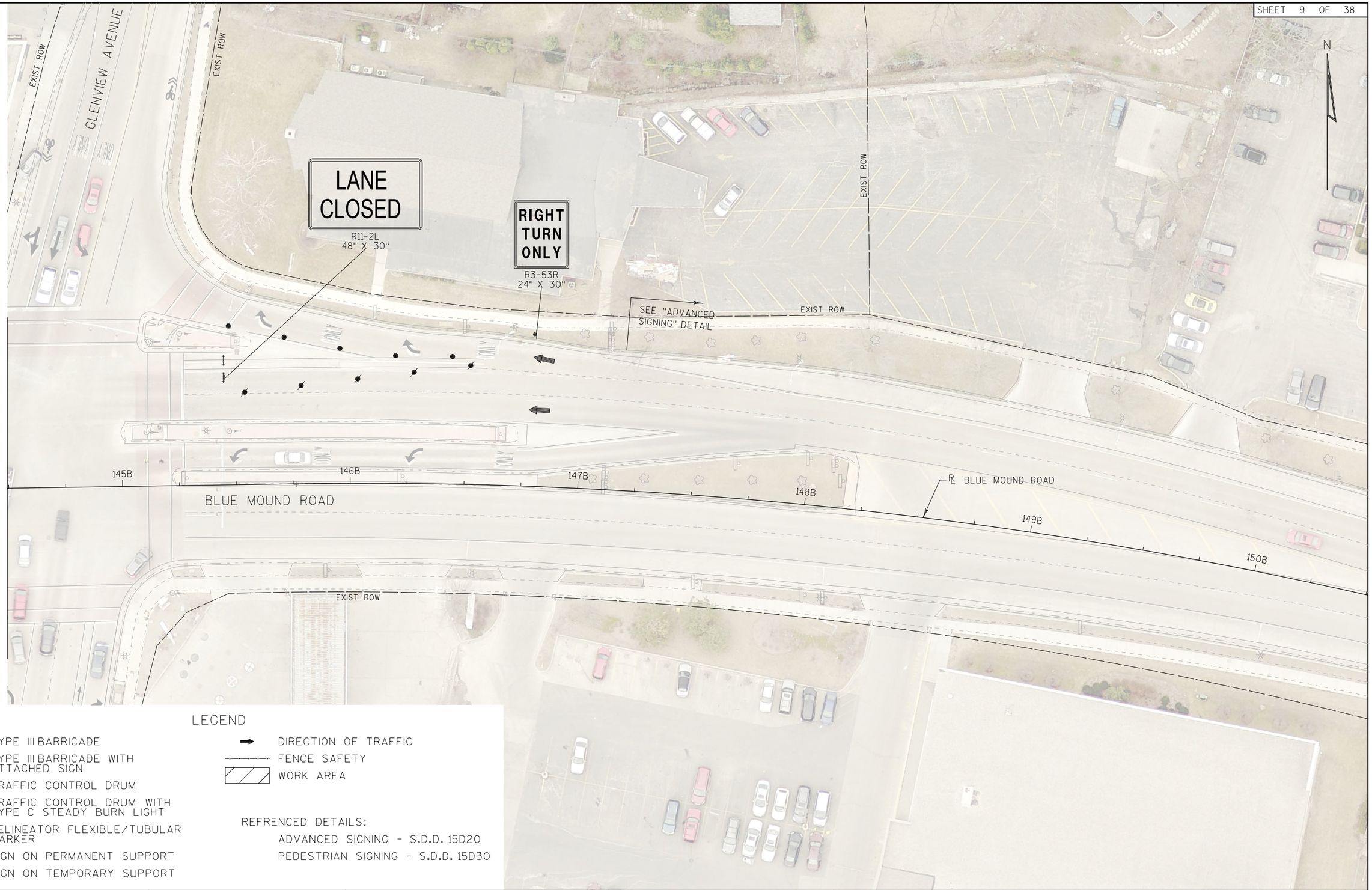
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DIRECTION OF TRAFFIC
- FENCE SAFETY
- WORK AREA

REFRENCED DETAILS:
ADVANCED SIGNING - S.D.D. 15D20
PEDESTRIAN SIGNING - S.D.D. 15D30

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 6: BLUE MOUND ROAD AT GLENVIEW AVENUE WB	TRAFFIC CONTROL	SHEET E

PRE_280

FILE NAME : \\aecompw05ics01\iCS_pdf_work_dir\9683\221962_239\021205_GLENVIEW_WB_4tc.dgn
PLOT DATE : 7/31/2019
PLOT BY : aecompw05ics01$
PLOT NAME :
PLOT SCALE : 40.00 sf / in.
WISDOT/CADDS SHEET 42



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DIRECTION OF TRAFFIC
- FENCE SAFETY
- WORK AREA

REFRENCED DETAILS:

ADVANCED SIGNING - S.D.D. 15D20

PEDESTRIAN SIGNING - S.D.D. 15D30

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 6: BLUE MOUND ROAD AT GLENVIEW AVENUE WB	TRAFFIC CONTROL	SHEET E

PRE_281

GLENVIEW AVENUE

EXIST ROW

EXIST ROW

℄ BLUE MOUND ROAD

145B 146B 147B 148B 149B 150B 151B

BLUE MOUND ROAD

SEE "ADVANCED SIGNING" DETAIL

EXIST ROW

LANE CLOSED
R11-2L
48" X 30"

ROAD CLOSED
R11-2
48" X 30"

SIDEWALK CLOSED
R9-9
24" X 12"

SIDEWALK CLOSED
R9-9
24" X 12"

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

N

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DIRECTION OF TRAFFIC
- FENCE SAFETY
- WORK AREA

REFRENCED DETAILS:
ADVANCED SIGNING - S.D.D. 15D20
PEDESTRIAN SIGNING - S.D.D. 15D30

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 7: BLUE MOUND ROAD AT GLENVIEW AVENUE EB	TRAFFIC CONTROL	SHEET E

PRE_282

END ROAD WORK
C20-2A
48" X 24"

SIDEWALK CLOSED
R9-9
24" X 12"

SIDEWALK CLOSED
R9-9
24" X 12"

LANE CLOSED
R11-2L
48" X 30"

SIDEWALK CLOSED
R9-9
24" X 12"

LANE CLOSED
R11-2L
48" X 30"

EXIST ROW
75TH STREET
EXIST ROW
EXIST ROW
EXIST ROW
74TH STREET
SEE "ADVANCED SIGNING" DETAIL

170B 171B 172B 173B 174B 175B

℄ BLUE MOUND ROAD
BLUE MOUND ROAD

EXIST ROW
NO PARKING
EXIST ROW
EXIST ROW
EXIST ROW
EXIST ROW
EXIST ROW

N

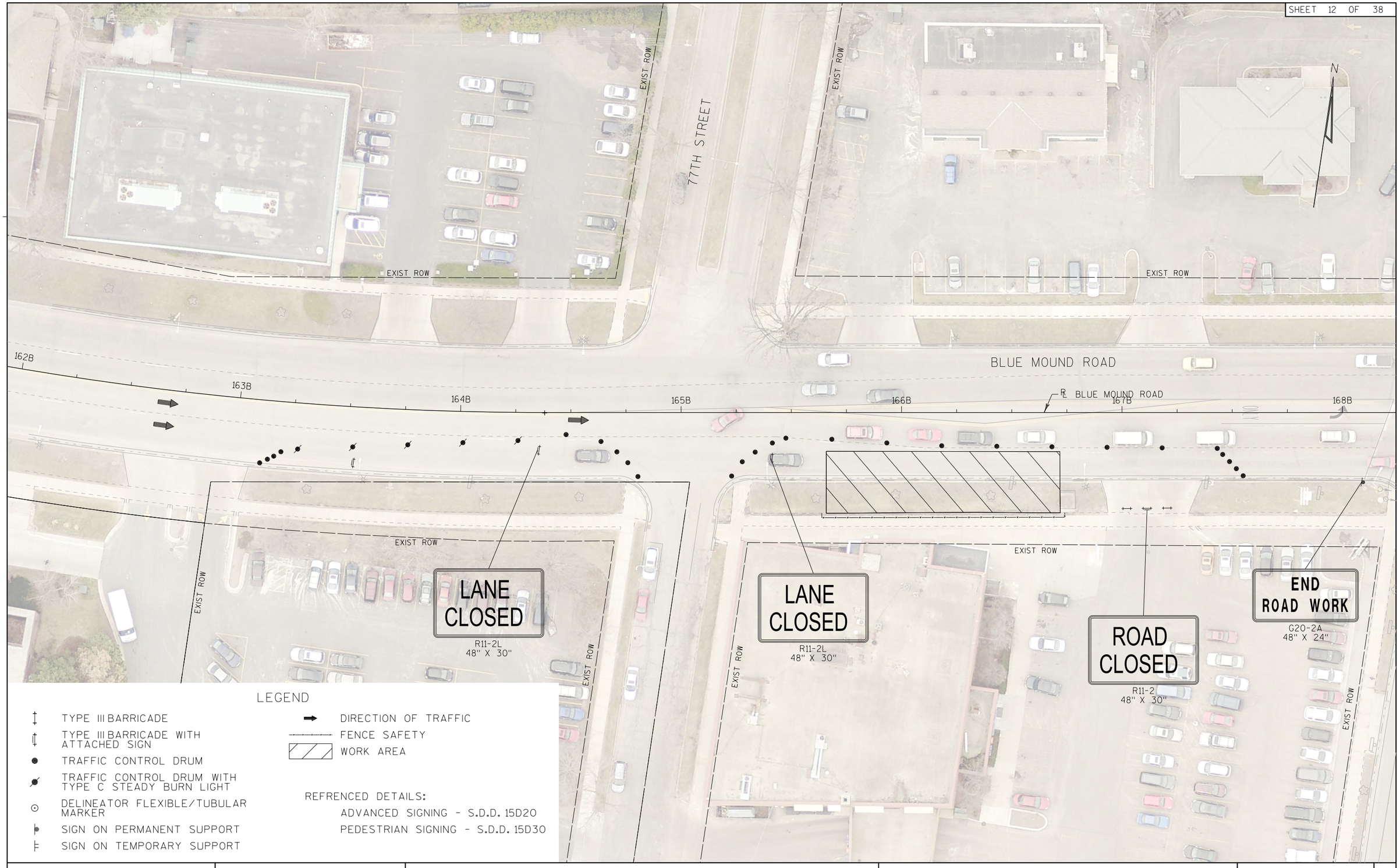
LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DIRECTION OF TRAFFIC
- FENCE SAFETY
- WORK AREA

REFRENCED DETAILS:
ADVANCED SIGNING - S.D.D. 15D20
PEDESTRIAN SIGNING - S.D.D. 15D30

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 8: BLUE MOUND ROAD AT 76TH STREET WB	TRAFFIC CONTROL	SHEET E

FILE NAME : \\aecompw05ics01\iCS_pdf_work_dir\9683\221962_241\021207_76TH_WB_4tc.dgn PLOT DATE : 7/31/2019 PLOT BY : aecompw05ics01$ PLOT NAME : PLOT SCALE : 40.00 sf / in.
WISDOT/CADDS SHEET 42



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DIRECTION OF TRAFFIC
- FENCE SAFETY
- WORK AREA

REFRENCED DETAILS:

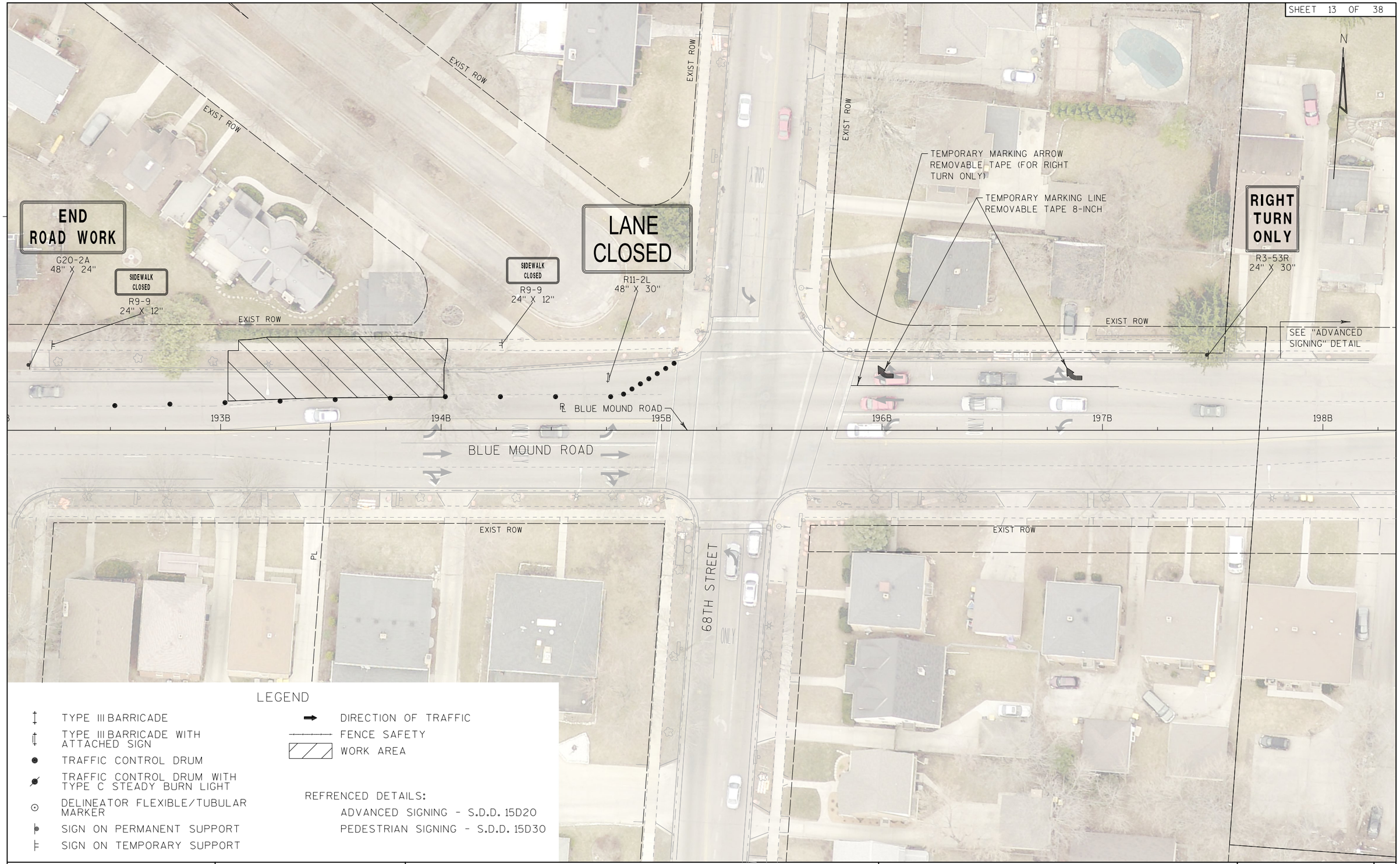
ADVANCED SIGNING - S.D.D. 15D20

PEDESTRIAN SIGNING - S.D.D. 15D30

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 9: BLUE MOUND ROAD AT 76TH STREET EB	TRAFFIC CONTROL	SHEET E

FILE NAME : \\aecompw05ics01\iCS_pdf_work_dir\9683\221962_242\021208_76TH_EB_4tc.dgn PLOT DATE : 7/31/2019 PLOT BY : aecompw05ics01$ PLOT NAME : PLOT SCALE : 40.00 sf / in.

WISDOT/CADDS SHEET 42



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DIRECTION OF TRAFFIC
- FENCE SAFETY
- WORK AREA

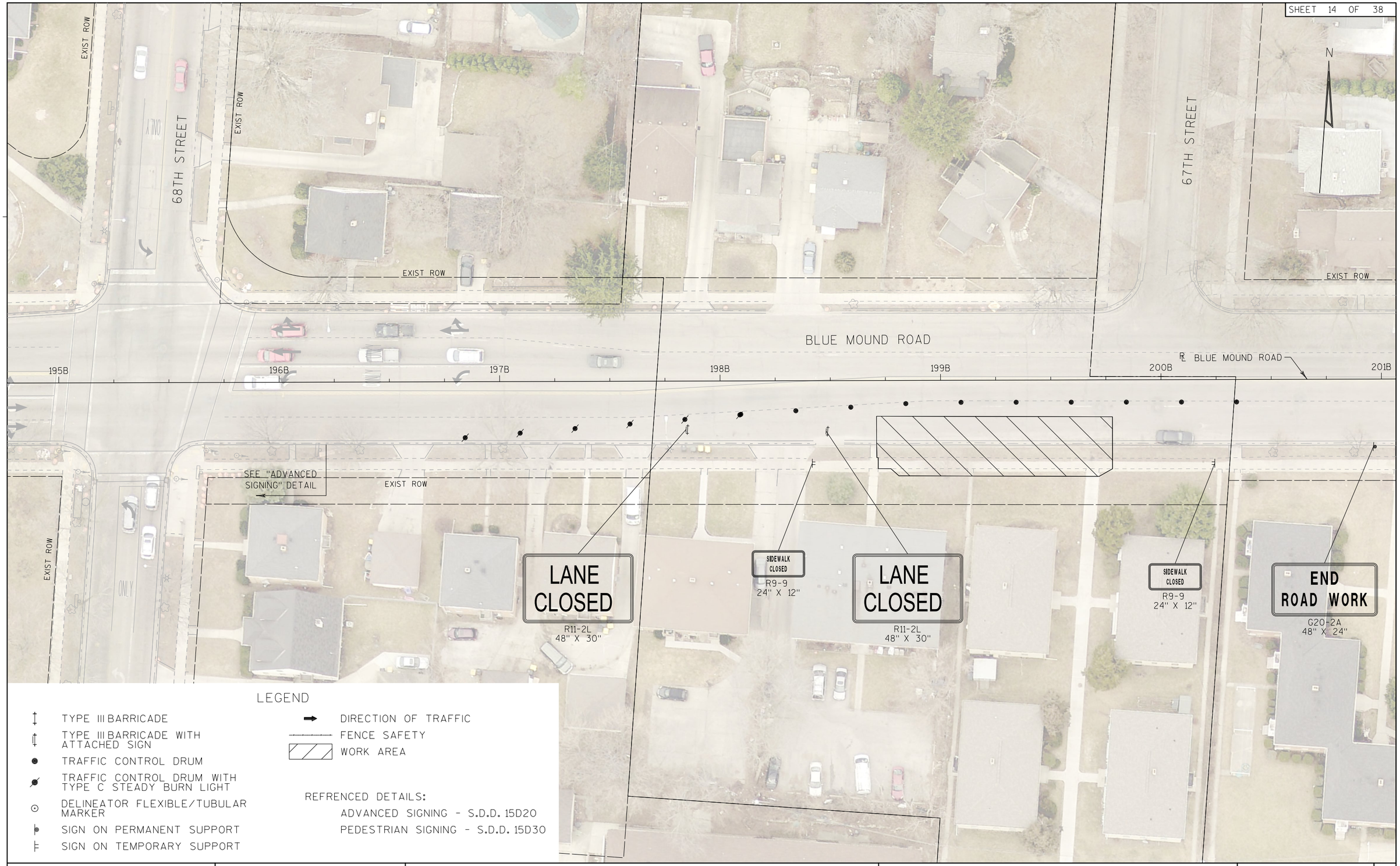
REFRENCED DETAILS:

ADVANCED SIGNING - S.D.D. 15D20

PEDESTRIAN SIGNING - S.D.D. 15D30

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 10: BLUE MOUND ROAD AT 68TH STREET WB	TRAFFIC CONTROL	SHEET E

PRE_285



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DIRECTION OF TRAFFIC
- FENCE SAFETY
- WORK AREA

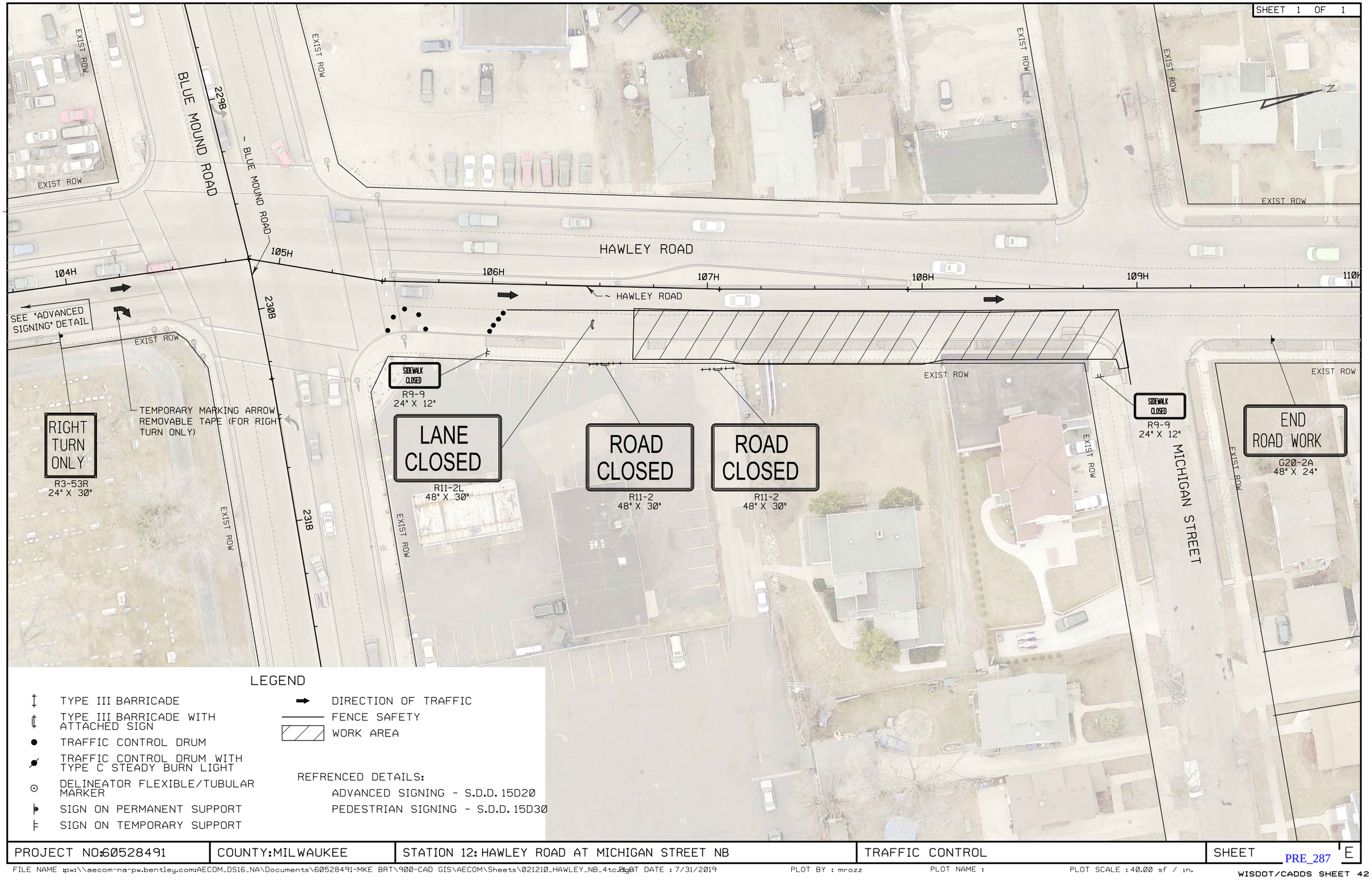
REFRENCED DETAILS:

ADVANCED SIGNING - S.D.D. 15D20

PEDESTRIAN SIGNING - S.D.D. 15D30

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 11: BLUE MOUND ROAD AT 68TH STREET EB	TRAFFIC CONTROL	SHEET E

PRE_286



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DIRECTION OF TRAFFIC
- FENCE SAFETY
- WORK AREA

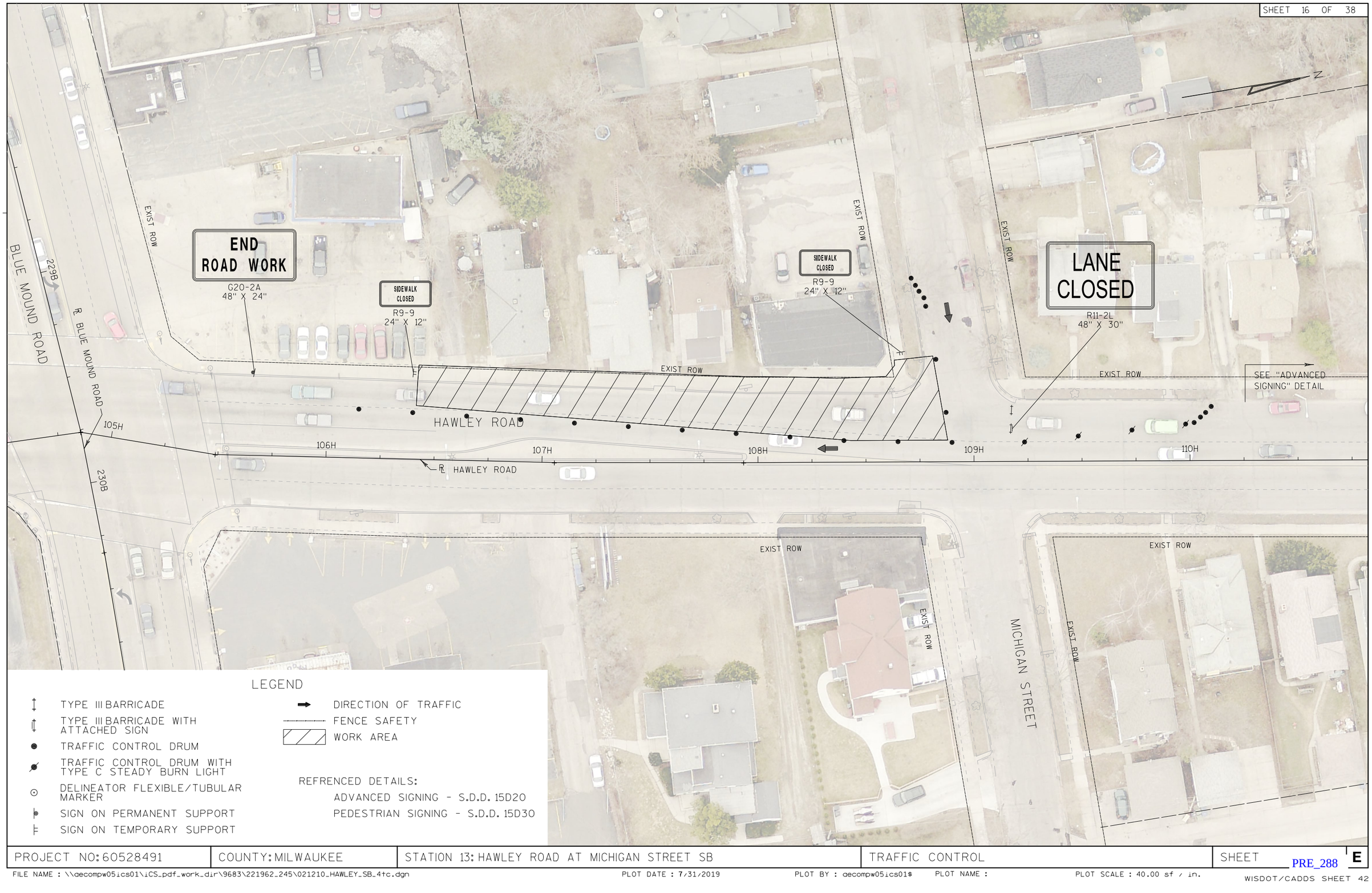
REFRENCED DETAILS:

ADVANCED SIGNING - S.D.D. 15D20

PEDESTRIAN SIGNING - S.D.D. 15D30

PROJECT NO:60528491	COUNTY:MILWAUKEE	STATION 12: HAWLEY ROAD AT MICHIGAN STREET NB	TRAFFIC CONTROL	SHEET E

FILE NAME :pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60528491-MKE BRT\900-CAD GIS\AECOM\Sheets\021210_HAWLEY_NB_4tc.dgn PLOT DATE : 7/31/2019 PLOT BY : mrozz PLOT NAME : PLOT SCALE : 40.00 sf / in.



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DIRECTION OF TRAFFIC
- FENCE SAFETY
- WORK AREA

REFRENCED DETAILS:

ADVANCED SIGNING - S.D.D. 15D20

PEDESTRIAN SIGNING - S.D.D. 15D30

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 13: HAWLEY ROAD AT MICHIGAN STREET SB	TRAFFIC CONTROL	SHEET E

FILE NAME : \\aecompw05ics01\iCS_pdf_work_dir\9683\221962_245\021210_HAWLEY_SB_4tc.dgn PLOT DATE : 7/31/2019 PLOT BY : aecompw05ics01$ PLOT NAME : PLOT SCALE : 40.00 sf / in.
WISDOT/CADDS SHEET 42

N

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

LANE CLOSED
R11-2L
48" X 30"

EXIST ROW

53RD STREET

EXIST ROW

SIDEWALK CLOSED
R9-9
24" X 12"

SIDEWALK CLOSED
R9-9
24" X 12"

LANE CLOSED
R11-2L
48" X 30"

LANE CLOSED
R11-2L
48" X 30"

EXIST ROW

SEE "ADVANCED SIGNING" DETAIL

112WB 113WB 114WB 115WB 116WB 117WB 118WB

℄ WISCONSIN AVENUE

WISCONSIN AVENUE

TEMPORARY MARKING ARROW
REMOVABLE TAPE (FOR RIGHT TURN ONLY)

EXIST ROW

EXIST ROW

RIGHT TURN ONLY
R3-53R
24" X 30"

EXIST ROW

EXIST ROW

EXIST ROW

EXIST ROW

52ND STREET

LEGEND

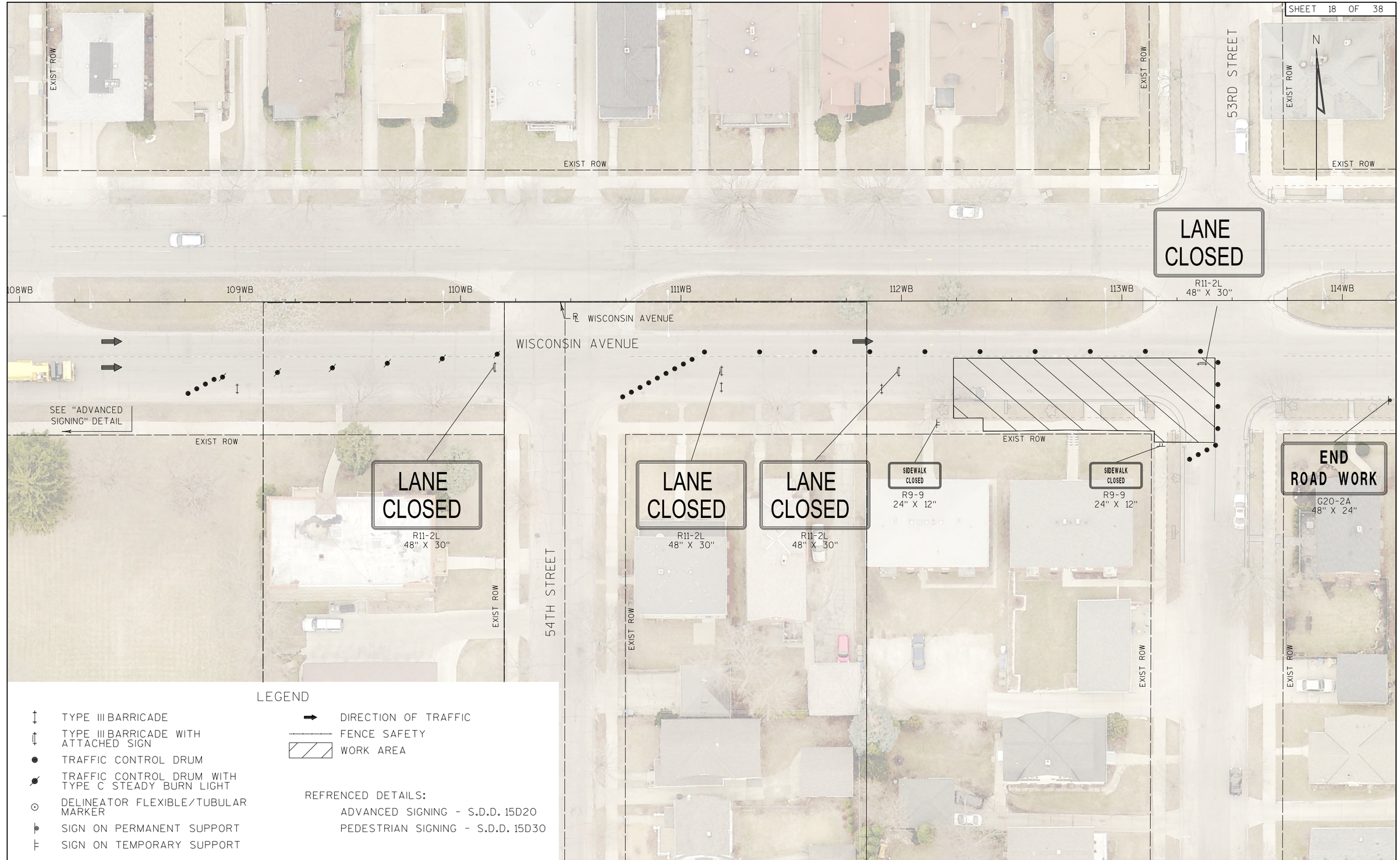
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DIRECTION OF TRAFFIC
- FENCE SAFETY
- WORK AREA

REFRENCED DETAILS:
ADVANCED SIGNING - S.D.D. 15D20
PEDESTRIAN SIGNING - S.D.D. 15D30

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 14: WISCONSIN AVENUE AT 53RD STREET WB	TRAFFIC CONTROL	SHEET E

PRE_289

FILE NAME : \\aecompw05ics01\iCS_pdf_work_dir\9683\221962_247\021211_53RD_WB_4tc.dgn PLOT DATE : 7/31/2019 PLOT BY : aecompw05ics01$ PLOT NAME : PLOT SCALE : 40.00 sf / in.



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DIRECTION OF TRAFFIC
- FENCE SAFETY
- WORK AREA

REFRENCED DETAILS:

ADVANCED SIGNING - S.D.D. 15D20

PEDESTRIAN SIGNING - S.D.D. 15D30

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 15: WISCONSIN AVENUE AT 53RD STREET EB	TRAFFIC CONTROL	SHEET E

PRE_290

SIDEWALK CLOSED AHEAD
CROSS HERE
R9-11R
24" X 12"
PLACE ON SIDEWALK OF NE QUAD OF WISCONSIN/46TH STREET INTERSECTION

EXIST ROW

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

SIDEWALK CLOSED
R9-9
24" X 12"

ROAD CLOSED
R11-2
48" X 30"

SIDEWALK CLOSED
R9-9
24" X 12"

LANE CLOSED
R11-2L
48" X 30"

CROSSWALK TO REMAIN OPEN DURING CONSTRUCTION

EXIST ROW

SEE "ADVANCED SIGNING" DETAIL

N

WISCONSIN AVENUE

140WB 141WB 142WB 143WB 144WB 145WB

℄ WISCONSIN AVENUE

LANE CLOSED
R11-2L
48" X 30"

EXIST ROW

45TH STREET

EXIST ROW

LANE CLOSED
R11-2L
48" X 30"

EXIST ROW

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DIRECTION OF TRAFFIC
- FENCE SAFETY
- WORK AREA

REFRENCED DETAILS:
ADVANCED SIGNING - S.D.D. 15D20
PEDESTRIAN SIGNING - S.D.D. 15D30

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 16: WISCONSIN AVENUE AT 45TH STREET WB	TRAFFIC CONTROL	SHEET E

PRE_291

FILE NAME : \\aecompw05ics01\iCS_pdf_work_dir\9683\221962_249\021212_45TH_WB_4tc.dgn PLOT DATE : 7/31/2019 PLOT BY : aecompw05ics01$ PLOT NAME : PLOT SCALE : 40.00 sf / in.
WISDOT/CADDS SHEET 42

N

EXIST ROW

EXIST ROW

EXIST ROW

EXIST ROW

WISCONSIN AVENUE

138WB 139WB 140WB 141WB 142WB 143WB 144WB

℄ WISCONSIN AVENUE

SEE "ADVANCED SIGNING" DETAIL

SIDEWALK CLOSED AHEAD
CROSS HERE

R9-11
24" X 12"
PLACE ON SIDEWALK OF SW QUAD OF WISCONSIN/46TH STREET INTERSECTION

EXIST ROW

LANE CLOSED

R11-2L
48" X 30"

SIDEWALK CLOSED USE OTHER SIDE

R9-10
24" X 12"

EXIST ROW

45TH STREET

EXIST ROW

EXIST ROW

END ROAD WORK

G20-2A
48" X 24"

SIDEWALK CLOSED USE OTHER SIDE

R9-10
24" X 12"

SIDEWALK CLOSED AHEAD
CROSS HERE

R9-11
24" X 12"
PLACE ON SIDEWALK OF SE QUAD OF BLUE MOUND/BLUE MOUND COURT INTERSECTION

SIDEWALK CLOSED AHEAD
CROSS HERE

R9-11
24" X 12"
PLACE ON SIDEWALK OF SE QUAD OF BLUE MOUND/45TH STREET INTERSECTION

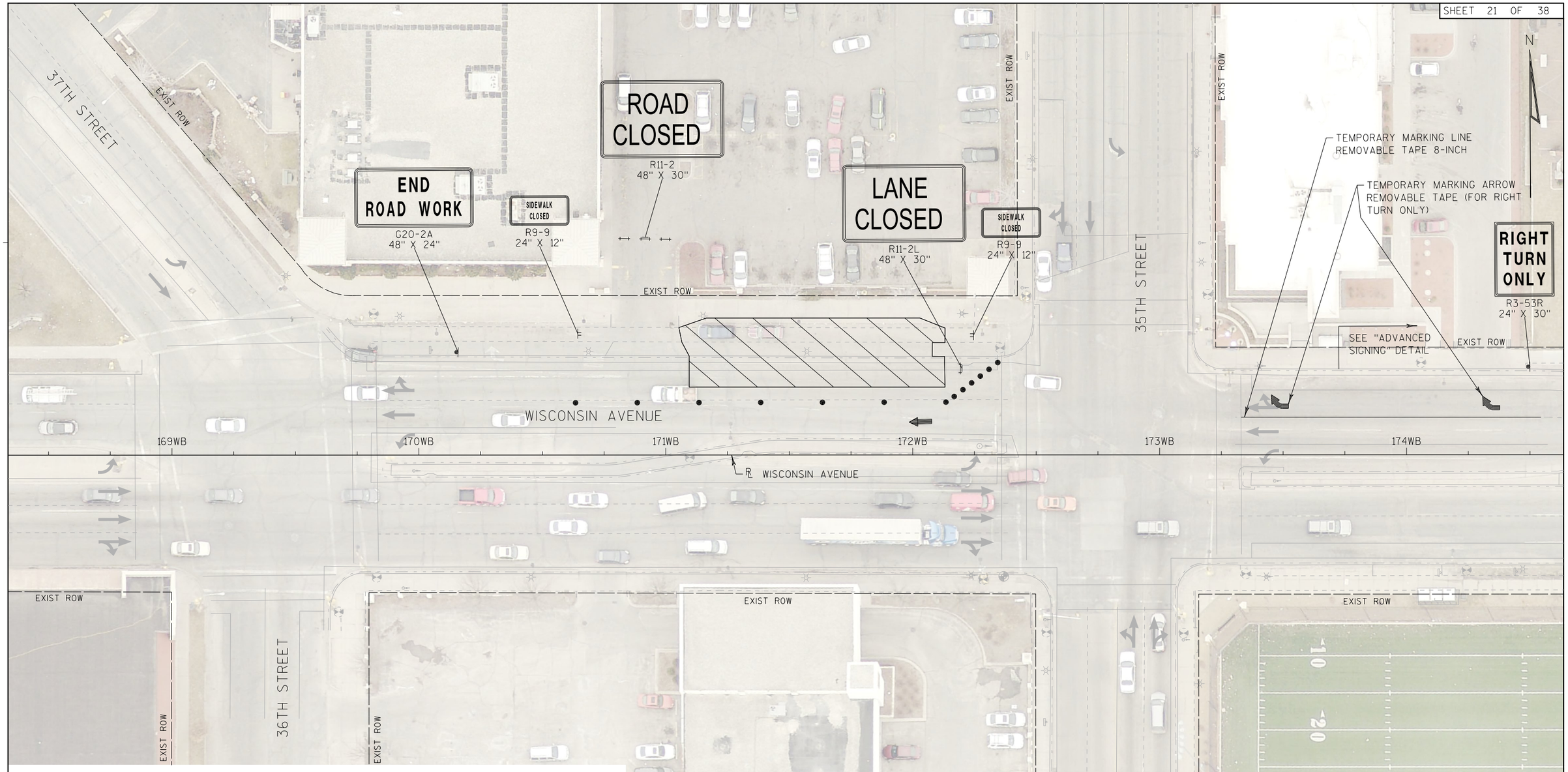
LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DIRECTION OF TRAFFIC
- FENCE SAFETY
- WORK AREA

REFRENCED DETAILS:
ADVANCED SIGNING - S.D.D. 15D20
PEDESTRIAN SIGNING - S.D.D. 15D30

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 17: WISCONSIN AVENUE AT 45TH STREET EB	TRAFFIC CONTROL	SHEET E

FILE NAME : \\aecompw05ics01\iCS_pdf_work_dir\9683\221962_250\021212_45TH_EB_4tc.dgn PLOT DATE : 7/31/2019 PLOT BY : aecompw05ics01$ PLOT NAME : PLOT SCALE : 40.00 sf / in.
WISDOT/CADDS SHEET 42



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DIRECTION OF TRAFFIC
- FENCE SAFETY
- WORK AREA

REFRENCED DETAILS:

ADVANCED SIGNING - S.D.D. 15D20

PEDESTRIAN SIGNING - S.D.D. 15D30

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 18: WISCONSIN AVENUE AT 35TH STREET WB	TRAFFIC CONTROL	SHEET E

N

EXIST ROW

35TH STREET

EXIST ROW

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

EXIST ROW

WISCONSIN AVENUE

170WB 171WB 172WB 173WB 174WB 175WB

℄ WISCONSIN AVENUE

SEE "ADVANCED SIGNING" DETAIL

EXIST ROW

RIGHT TURN ONLY
R3-53R
24" X 30"

LANE CLOSED
R11-2L
48" X 30"

LANE CLOSED
R11-2L
48" X 30"

36TH STREET

EXIST ROW

EXIST ROW

EXIST ROW

SIDEWALK CLOSED
R9-9
24" X 12"

SIDEWALK CLOSED
R9-9
24" X 12"

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

EXIST ROW

LANE CLOSED
R11-2L
48" X 30"

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DIRECTION OF TRAFFIC
- FENCE SAFETY
- WORK AREA

REFRENCED DETAILS:

ADVANCED SIGNING - S.D.D. 15D20

PEDESTRIAN SIGNING - S.D.D. 15D30

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 19: WISCONSIN AVENUE AT 35TH STREET EB	TRAFFIC CONTROL	SHEET E

FILE NAME : \\aecompw05ics01\iCS_pdf_work_dir\9683\221962_252\021214_35TH_EB_4tc.dgn PLOT DATE : 7/31/2019 PLOT BY : aecompw05ics01$ PLOT NAME : PLOT SCALE : 40.00 sf / in.

WISDOT/CADDS SHEET 42

SIDEWALK CLOSED AHEAD
CROSS HERE
R9-11
24" X 12"
PLACE ON SIDEWALK OF SW QUAD OF WELLS/27TH STREET INTERSECTION

LANE CLOSED
R11-2L
48" X 30"

SIDEWALK CLOSED AHEAD
CROSS HERE
R9-11R
24" X 12"

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

SIDEWALK CLOSED
R9-9
24" X 12"

SIDEWALK CLOSED
R9-9
24" X 12"

EXIST ROW

27TH STREET

ONLY

LANE CLOSED
R11-2L
48" X 30"

SIDEWALK CLOSED
R9-9
24" X 12"

LANE CLOSED
R11-2L
48" X 30"

EXIST ROW

SEE "ADVANCED SIGNING" DETAIL

197WB 198WB 199WB 200WB 201WB 202WB

WISCONSIN AVENUE

WISCONSIN AVENUE

EXIST ROW

SIDEWALK CLOSED
R9-9
24" X 12"

EXIST ROW

EXIST ROW

ONLY

EXIST ROW

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

EXIST ROW

N

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DIRECTION OF TRAFFIC
- FENCE SAFETY
- WORK AREA

REFRENCED DETAILS:
ADVANCED SIGNING - S.D.D. 15D20
PEDESTRIAN SIGNING - S.D.D. 15D30

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 20: WISCONSIN AVENUE AT 27TH STREET WB	TRAFFIC CONTROL	SHEET E

FILE NAME : \\aecompw05ics01\iCS_pdf_work_dir\9683\221962_253\021215_27TH_WB_4tc.dgn PLOT DATE : 7/31/2019 PLOT BY : aecompw05ics01$ PLOT NAME : PLOT SCALE : 40.00 sf / in.
WISDOT/CADDS SHEET 42

N

EXIST ROW

ONLY

27TH STREET

26TH STREET

WISCONSIN AVENUE

198WB 199WB 200WB 201WB 202WB 203WB

R WISCONSIN AVENUE

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

SIDEWALK CLOSED USE OTHER SIDE
R9-10
24" X 12"

SEE "ADVANCED SIGNING" DETAIL

LANE CLOSED
R11-2L
48" X 30"

SIDEWALK CLOSED
R9-9
24" X 12"

LANE CLOSED
R11-2L
48" X 30"

SIDEWALK CLOSED
R9-9
24" X 12"

SIDEWALK CLOSED
R9-9
24" X 12"

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

SIDEWALK CLOSED AHEAD
CROSS HERE
R9-11R
24" X 12"

LANE CLOSED
R11-2L
48" X 30"

SIDEWALK CLOSED AHEAD
CROSS HERE
R9-11
24" X 12"
PLACE ON SIDEWALK OF NE QUAD OF MICHIGAN/27TH STREET INTERSECTION

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DIRECTION OF TRAFFIC
- FENCE SAFETY
- WORK AREA

REFRENCED DETAILS:
ADVANCED SIGNING - S.D.D. 15D20
PEDESTRIAN SIGNING - S.D.D. 15D30

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 21: WISCONSIN AVENUE AT 27TH STREET EB	TRAFFIC CONTROL	SHEET E

FILE NAME : \\decompw05ics01\iCS_pdf_work_dir\9683\221962_254\021216_27TH_EB_4tc.dgn PLOT DATE : 7/31/2019 PLOT BY : decompw05ics01$ PLOT NAME : PLOT SCALE : 40.00 sf / in.
WISDOT/CADDS SHEET 42

NOTE: STATION 23, P1, AND P2 ARE TO BE CONSTRUCTED AT THE SAME TIME

N

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

LANE CLOSED
R11-2L
48" X 30"

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

SIDEWALK CLOSED
R9-9
24" X 12"

SIDEWALK CLOSED
R9-9
24" X 12"

LANE CLOSED
R11-2L
48" X 30"

EXIST ROW

237WB 238WB 239WB 240WB 241WB 242WB

℄ WISCONSIN AVENUE

WISCONSIN AVENUE

16TH STREET

RIGHT TURN ONLY
R3-53R
24" X 30"

MATCHLINE STA 242WB+32.12

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DIRECTION OF TRAFFIC
- FENCE SAFETY
- WORK AREA

REFRENCED DETAILS:
ADVANCED SIGNING - S.D.D. 15D20
PEDESTRIAN SIGNING - S.D.D. 15D30

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 22, P1, & P2: WISCONSIN AVE AT 16TH, 15TH, & 14TH ST WB	TRAFFIC CONTROL	SHEET E

FILE NAME : \\aecompw05ics01\iCS_pdf_work_dir\9683\221962_255\021218_16TH_WB_4tc.dgn PLOT DATE : 7/31/2019 PLOT BY : aecompw05ics01$ PLOT NAME : PLOT SCALE : 40.00 sf / in.
WISDOT/CADDS SHEET 42

NOTE: STATION 23, P1, AND P2 ARE TO BE CONSTRUCTED AT THE SAME TIME

N

LANE CLOSED
R11-2L
48" X 30"

LANE CLOSED
R11-2L
48" X 30"

LANE CLOSED
R11-2L
48" X 30"

EXIST ROW

SEE "ADVANCED SIGNING" DETAIL

MATCHLINE STA 242WB+32.12

243WB 244WB 245WB 246WB 247WB 248WB

℄ WISCONSIN AVENUE

WISCONSIN AVENUE

EXIST ROW

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DIRECTION OF TRAFFIC
- FENCE SAFETY
- WORK AREA

REFRENCED DETAILS:
ADVANCED SIGNING - S.D.D. 15D20
PEDESTRIAN SIGNING - S.D.D. 15D30

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 22, P1, & P2: WISCONSIN AVE AT 16TH, 15TH, & 14TH ST WB	TRAFFIC CONTROL	SHEET E

PRE_298

NOTE: STATION 23, P1, AND P2 ARE TO BE CONSTRUCTED AT THE SAME TIME

N

EXIST ROW

16TH STREET

EXIST ROW

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

EXIST ROW

236WB 237WB 238WB 239WB 240WB 241WB 24

℄ WISCONSIN AVENUE

WISCONSIN AVENUE

SEE "ADVANCED SIGNING" DETAIL

EXIST ROW

LANE
CLOSED
R11-2L
48" X 30"

EXIST ROW

LANE
CLOSED
R11-2L
48" X 30"

EXIST ROW

SIDEWALK
CLOSED
R9-9
24" X 12"

SIDEWALK
CLOSED
R9-9
24" X 12"

LANE
CLOSED
R11-2L
48" X 30"

EXIST ROW

MATCHLINE STA 241WB+98.09

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DIRECTION OF TRAFFIC
- FENCE SAFETY
- WORK AREA

REFRENCED DETAILS:
ADVANCED SIGNING - S.D.D. 15D20
PEDESTRIAN SIGNING - S.D.D. 15D30

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 23, P1, & P2: WISCONSIN AVENUE AT 16TH, 15TH, & 14TH STREET EB	TRAFFIC CONTROL	SHEET E

FILE NAME : \\aecompw05ics01\iCS_pdf_work_dir\9683\221962_256\021218_16TH_EB_4tc.dgn PLOT DATE : 7/31/2019 PLOT BY : aecompw05ics01$ PLOT NAME : PLOT SCALE : 40.00 sf / in.
WISDOT/CADDS SHEET 42

NOTE: STATION 23, P1, AND P2 ARE TO BE CONSTRUCTED AT THE SAME TIME

MATCHLINE STA 241WB+98.09

N

EXIST ROW

WISCONSIN AVENUE

2WB 243WB 244WB 245WB 246WB 247WB 248

℄ WISCONSIN AVENUE

EXIST ROW

LANE CLOSED
R11-2L
48" X 30"

LANE CLOSED
R11-2L
48" X 30"

LANE CLOSED
R11-2L
48" X 30"

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

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DIRECTION OF TRAFFIC
- FENCE SAFETY
- WORK AREA

REFRENCED DETAILS:
ADVANCED SIGNING - S.D.D. 15D20
PEDESTRIAN SIGNING - S.D.D. 15D30

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 23, P1, & P2: WISCONSIN AVE AT 16TH, 15TH, & 14TH ST EB	TRAFFIC CONTROL	SHEET E

PRE_300

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DIRECTION OF TRAFFIC
- FENCE SAFETY
- WORK AREA

REFRENCED DETAILS:
ADVANCED SIGNING - S.D.D. 15D20
PEDESTRIAN SIGNING - S.D.D. 15D30

N

EXIST ROW

EXIST ROW

LANE CLOSED
R11-2L
48" X 30"

12TH STREET

NO PARKING DURING LANE CLOSURE, CITY TO SIGN

RIGHT TURN ONLY
R3-53R
24" X 30"

TEMPORARY MARKING ARROW REMOVABLE TAPE (FOR RIGHT TURN ONLY)

TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH

SEE "ADVANCED SIGNING" DETAIL

EXIST ROW

EXIST ROW

252WB 253WB 254WB 255WB 256WB 257WB

℄ WISCONSIN AVENUE

WISCONSIN AVENUE

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

EXIST ROW

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 24: WISCONSIN AVENUE AT 12TH STREET WB	TRAFFIC CONTROL	SHEET E

PRE_301

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DIRECTION OF TRAFFIC
- FENCE SAFETY
- WORK AREA

REFRENCED DETAILS:
ADVANCED SIGNING - S.D.D. 15D20
PEDESTRIAN SIGNING - S.D.D. 15D30

N

12TH STREET

WISCONSIN AVENUE

252WB 253WB 254WB 255WB 256WB 257WB

℄ WISCONSIN AVENUE

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

SEE "ADVANCED SIGNING" DETAIL

LANE CLOSED
R11-2L
48" X 30"

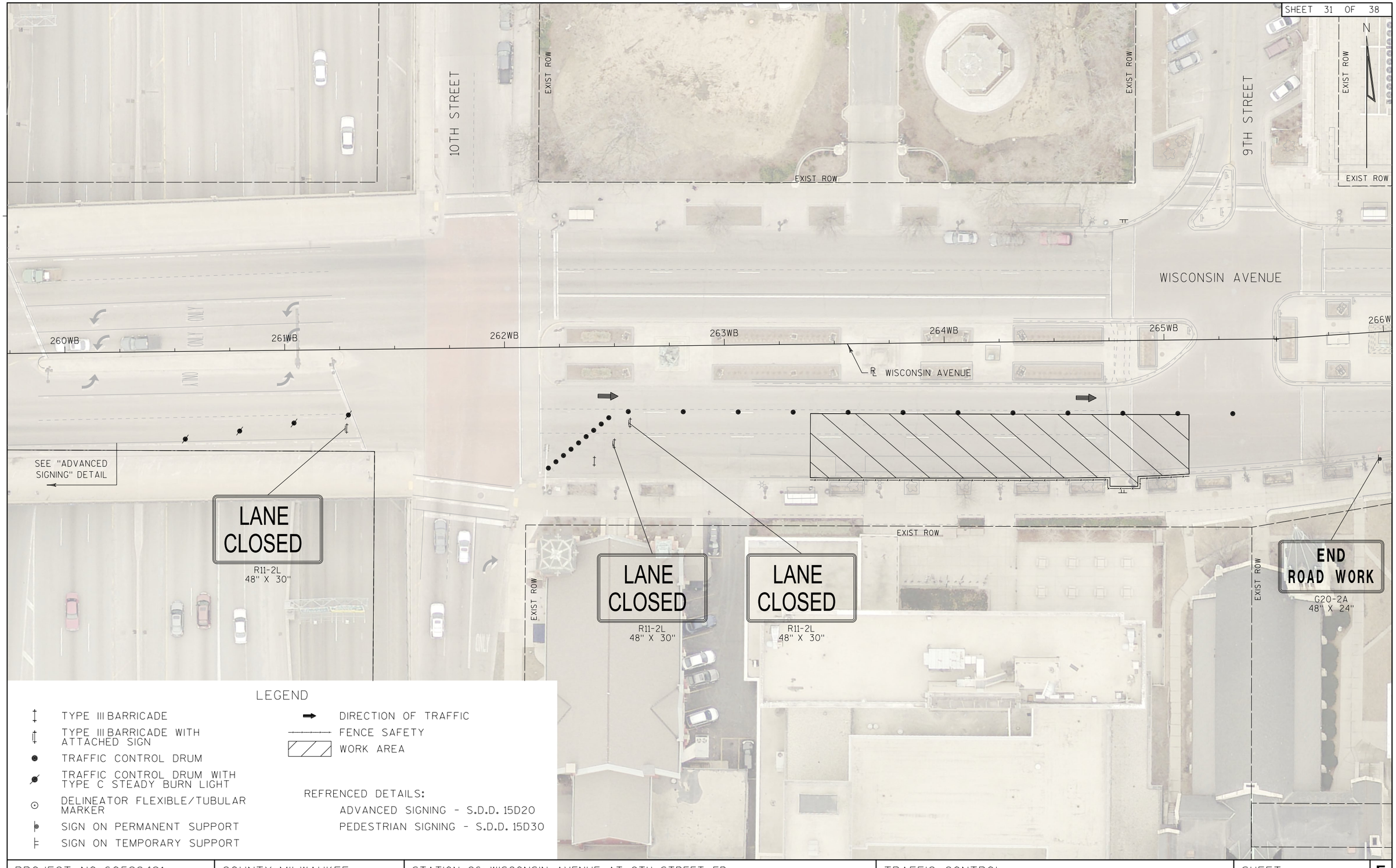
NO PARKING DURING LANE CLOSURE, CITY TO SIGN

SIDEWALK CLOSED
R9-9
24" X 12"

SIDEWALK CLOSED
R9-9
24" X 12"

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 25: WISCONSIN AVENUE AT 12TH STREET EB	TRAFFIC CONTROL	SHEET E

FILE NAME : \\gecompw05ics01\iCS_pdf_work_dir\9683\221962_176\021221_12TH_EB_4tc.dgn
PLOT DATE : 7/31/2019
PLOT BY : gecompw05ics01$
PLOT NAME :
PLOT SCALE : 40.00 sf / in.
WISDOT/CADDS SHEET 42



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DIRECTION OF TRAFFIC
- FENCE SAFETY
- WORK AREA

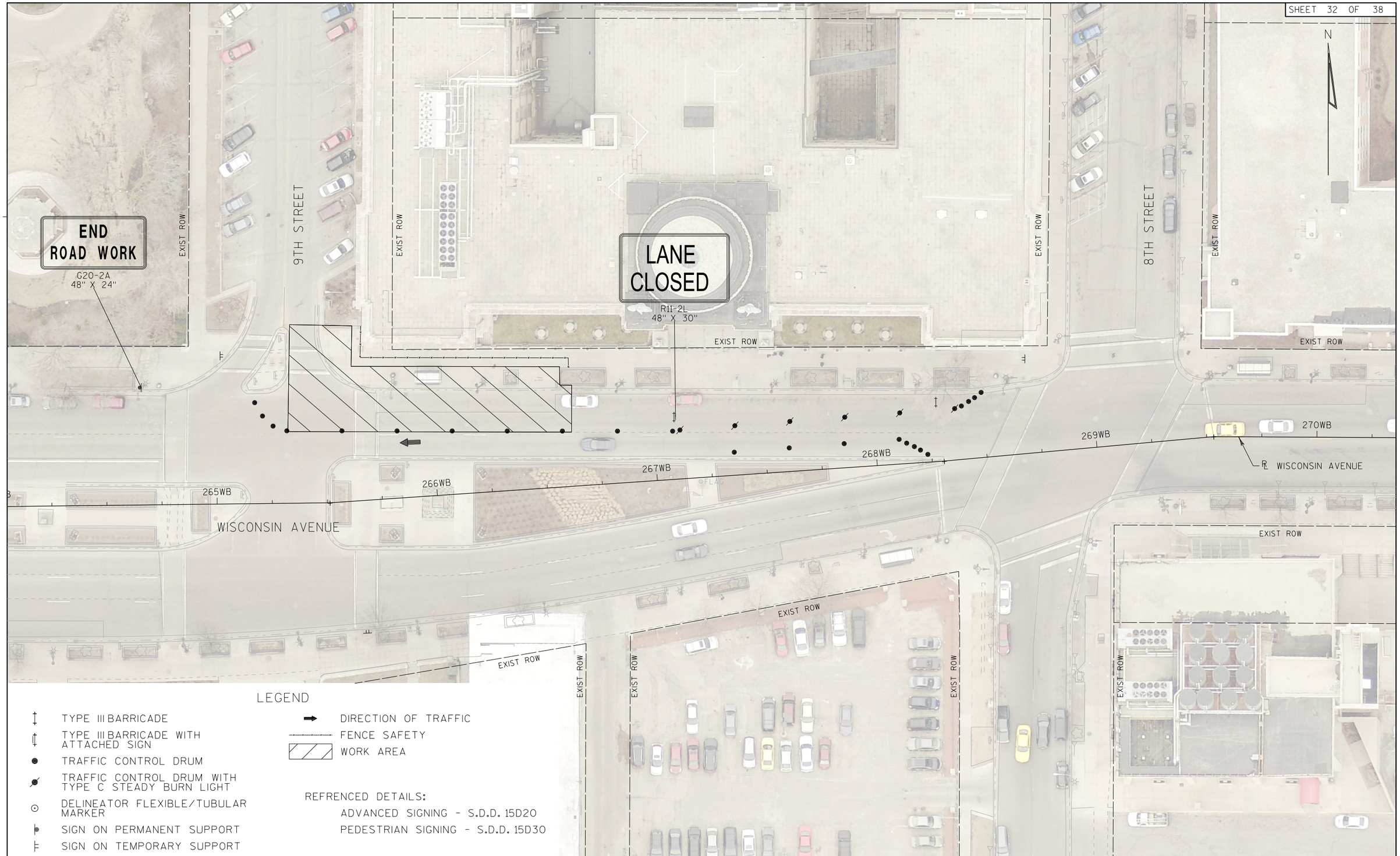
REFRENCED DETAILS:

ADVANCED SIGNING - S.D.D. 15D20

PEDESTRIAN SIGNING - S.D.D. 15D30

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 26: WISCONSIN AVENUE AT 9TH STREET EB	TRAFFIC CONTROL	SHEET E

PRE_303



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DIRECTION OF TRAFFIC
- FENCE SAFETY
- WORK AREA

REFRENCED DETAILS:

ADVANCED SIGNING - S.D.D. 15D20

PEDESTRIAN SIGNING - S.D.D. 15D30

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 27: WISCONSIN AVENUE AT 9TH STREET WB	TRAFFIC CONTROL	SHEET E

PRE_304

N

EXIST ROW

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

EXIST ROW

277WB 278WB 279WB 280WB 281WB 282WB

WISCONSIN AVENUE

℄ WISCONSIN AVENUE

EXIST ROW

EXIST ROW

5TH STREET

EXIST ROW

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

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DIRECTION OF TRAFFIC
- FENCE SAFETY
- WORK AREA

REFRENCED DETAILS:
ADVANCED SIGNING - S.D.D. 15D20
PEDESTRIAN SIGNING - S.D.D. 15D30

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 28: WISCONSIN AVENUE AT 5TH STREET WB	TRAFFIC CONTROL	SHEET E

PRE_305

N

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

EXIST ROW

280WB 281WB 282WB 283WB 284WB 285WB

WISCONSIN AVENUE

℄ WISCONSIN AVENUE

SEE "ADVANCED SIGNING" DETAIL

EXIST ROW

5TH STREET

LANE
CLOSED
R11-2L
48" X 30"

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

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DIRECTION OF TRAFFIC
- FENCE SAFETY
- WORK AREA

REFRENCED DETAILS:
ADVANCED SIGNING - S.D.D. 15D20
PEDESTRIAN SIGNING - S.D.D. 15D30

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 29: WISCONSIN AVENUE AT 5TH STREET EB	TRAFFIC CONTROL	SHEET E

PRE_306

SIDEWALK CLOSED AHEAD
CROSS HERE
R9-11
24" X 12"
PLACE ON SIDEWALK OF SW QUAD OF WATER & MASON STREET INTERSECTION

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

SIDEWALK CLOSED
R9-9
24" X 12"

SIDEWALK CLOSED
R9-9
24" X 12"

LANE CLOSED
R11-2L
48" X 30"

SIDEWALK CLOSED
R9-9
24" X 12"

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

SEE "ADVANCED SIGNING" DETAIL

EXIST ROW

WATER STREET

BROADWAY STREET

ONLY

N

301WB
302WB
303WB
304WB
305WB
306WB

WISCONSIN AVENUE

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DIRECTION OF TRAFFIC
- FENCE SAFETY
- WORK AREA

REFRENCED DETAILS:
ADVANCED SIGNING - S.D.D. 15D20
PEDESTRIAN SIGNING - S.D.D. 15D30

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 30: WISCONSIN AVENUE AT WATER STREET WB	TRAFFIC CONTROL	SHEET E

PRE_307

EXIST ROW

EXIST ROW

EXIST ROW

EXIST ROW

EXIST ROW

WATER STREET

N

98WB

299WB

300WB

301WB

302WB

303WB

304WB

WISCONSIN AVENUE

℄ WISCONSIN AVENUE

SEE "ADVANCED SIGNING" DETAIL

LANE CLOSED

R11-2L
48" X 30"

SIDEWALK CLOSED

R9-9
24" X 12"

LANE CLOSED

R11-2L
48" X 30"

SIDEWALK CLOSED

R9-9
24" X 12"

SIDEWALK CLOSED

R9-9
24" X 12"

END ROAD WORK

G20-2A
48" X 24"

EXIST ROW

EXIST ROW

EXIST ROW

EXIST ROW

EXIST ROW

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DIRECTION OF TRAFFIC
- FENCE SAFETY
- WORK AREA

REFRENCED DETAILS:

ADVANCED SIGNING - S.D.D. 15D20

PEDESTRIAN SIGNING - S.D.D. 15D30

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 31: WISCONSIN AVENUE AT WATER STREET EB	TRAFFIC CONTROL	SHEET E

PRE_308

FILE NAME : \\decompw05ics01\iCS_pdf_work_dir\9683\221962_264\021224c_WATER_EB_4tc.dgn PLOT DATE : 7/31/2019 PLOT BY : decompw05ics01$ PLOT NAME : PLOT SCALE : 40.00 sf / in.

WISDOT/CADDS SHEET 42

N

SIDEWALK CLOSED AHEAD
CROSS HERE
R9-11R
24" X 12"
PLACE ON SIDEWALK OF
SE QUAD OF MASON &
JACKSON STREET INTERSECTION

SIDEWALK CLOSED
R9-9
24" X 12"

SIDEWALK CLOSED
R9-9
24" X 12"

LANE
CLOSED
R11-2L
48" X 30"

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

SIDEWALK CLOSED
USE OTHER SIDE
R9-10
24" X 12"

SEE "ADVANCED
SIGNING" DETAIL

SIDEWALK CLOSED AHEAD
CROSS HERE
R9-11
24" X 12"

SIDEWALK CLOSED
USE OTHER SIDE
R9-10
24" X 12"

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

EXIST ROW

314WB 315WB 316WB 317WB 318WB 319WB 320WB

WISCONSIN AVENUE

JACKSON STREET

VAN BUREN STREET

ONLY

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DIRECTION OF TRAFFIC
- FENCE SAFETY
- WORK AREA

REFRENCED DETAILS:
ADVANCED SIGNING - S.D.D. 15D20
PEDESTRIAN SIGNING - S.D.D. 15D30

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 32: WISCONSIN AVENUE AT JACKSON STREET WB	TRAFFIC CONTROL	SHEET E

PRE_309

N

EXIST ROW

EXIST ROW

EXIST ROW

EXIST ROW

EXIST ROW

EXIST ROW

SIDEWALK CLOSED
USE OTHER SIDE
R9-10
24" X 12"

WISCONSIN AVENUE

316WB 317WB 318WB 319WB 320WB 321WB 322WB

℄ WISCONSIN AVENUE

SEE "ADVANCED SIGNING" DETAIL

EXIST ROW

EXIST ROW

JACKSON STREET

SIDEWALK CLOSED
USE OTHER SIDE
R9-10
24" X 12"

LANE CLOSED
R11-2L
48" X 30"

SIDEWALK CLOSED
R9-9
24" X 12"

SIDEWALK CLOSED
R9-9
24" X 12"

EXIST ROW

EXIST ROW

VAN BUREN STREET

SIDEWALK CLOSED
USE OTHER SIDE
R9-10
24" X 12"

EXIST ROW

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

EXIST ROW

ONLY

ONLY

SIDEWALK CLOSED
AHEAD
CROSS HERE
R9-11R
24" X 12"
PLACE ON SIDEWALK OF NW QUAD OF VAN BUREN & MIGHIGAN STREET INTERSECTION

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DIRECTION OF TRAFFIC
- FENCE SAFETY
- WORK AREA

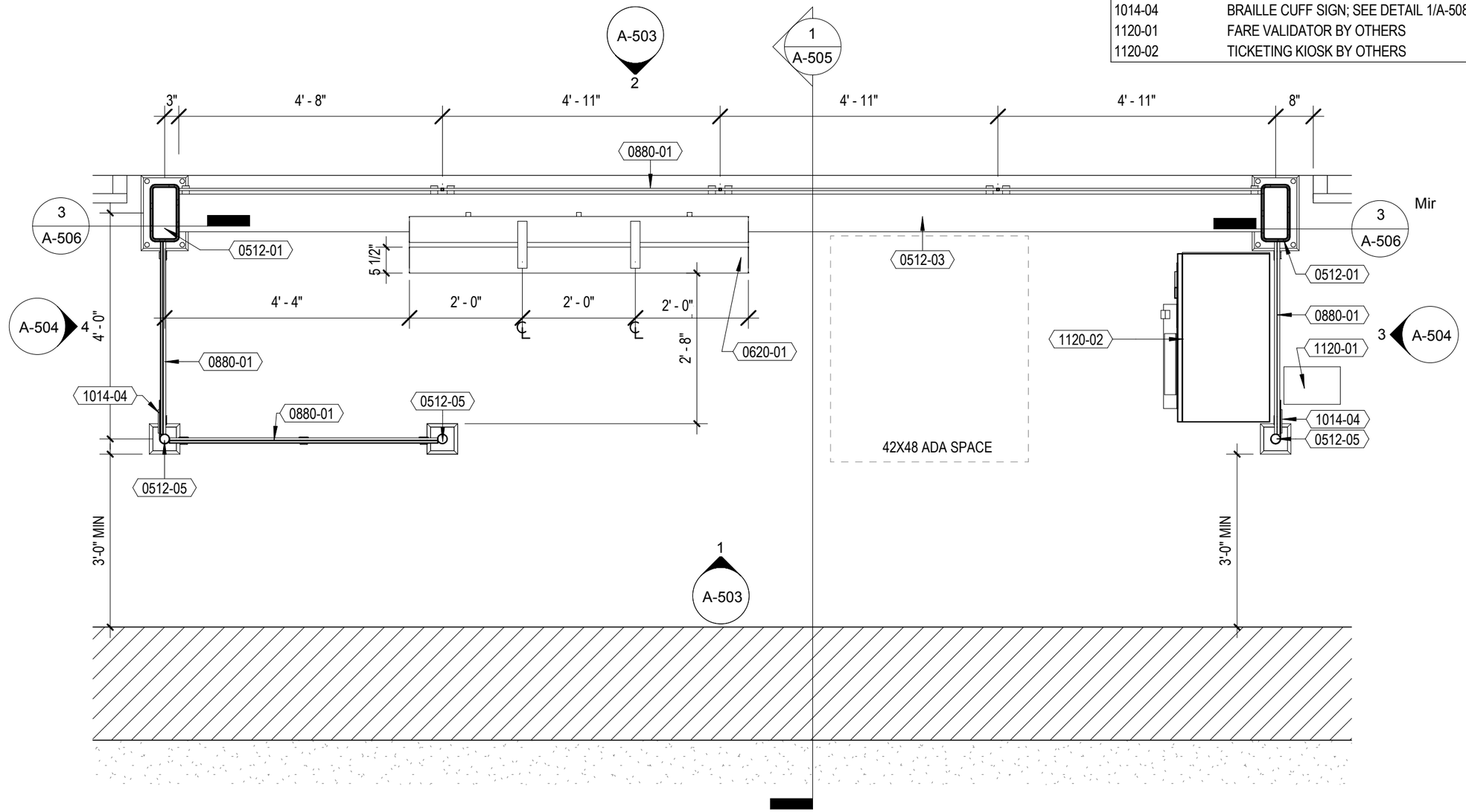
REFRENCED DETAILS:
ADVANCED SIGNING - S.D.D. 15D20
PEDESTRIAN SIGNING - S.D.D. 15D30

PROJECT NO: 60528491	COUNTY: MILWAUKEE	STATION 33: WISCONSIN AVENUE AT VAN BUREN STREET EB	TRAFFIC CONTROL	SHEET E

PRE_310

KEYNOTES PER SHEET

0512-01	HSS 12X6X1/2 STEEL COLUMN; PAINT
0512-03	8" DIAMETER SCHEDULE 40 STEEL PIPE; PAINT
0512-05	2" DIAMETER STEEL POST SUPPORT; PAINT
0620-01	WOOD BENCH WITH 1X2 STEEL FLAT BAR DIVIDERS
0880-01	1/2" CLEAR LAMINATED SAFETY GLASS
1014-04	BRAILLE CUFF SIGN; SEE DETAIL 1/A-508
1120-01	FARE VALIDATOR BY OTHERS
1120-02	TICKETING KIOSK BY OTHERS



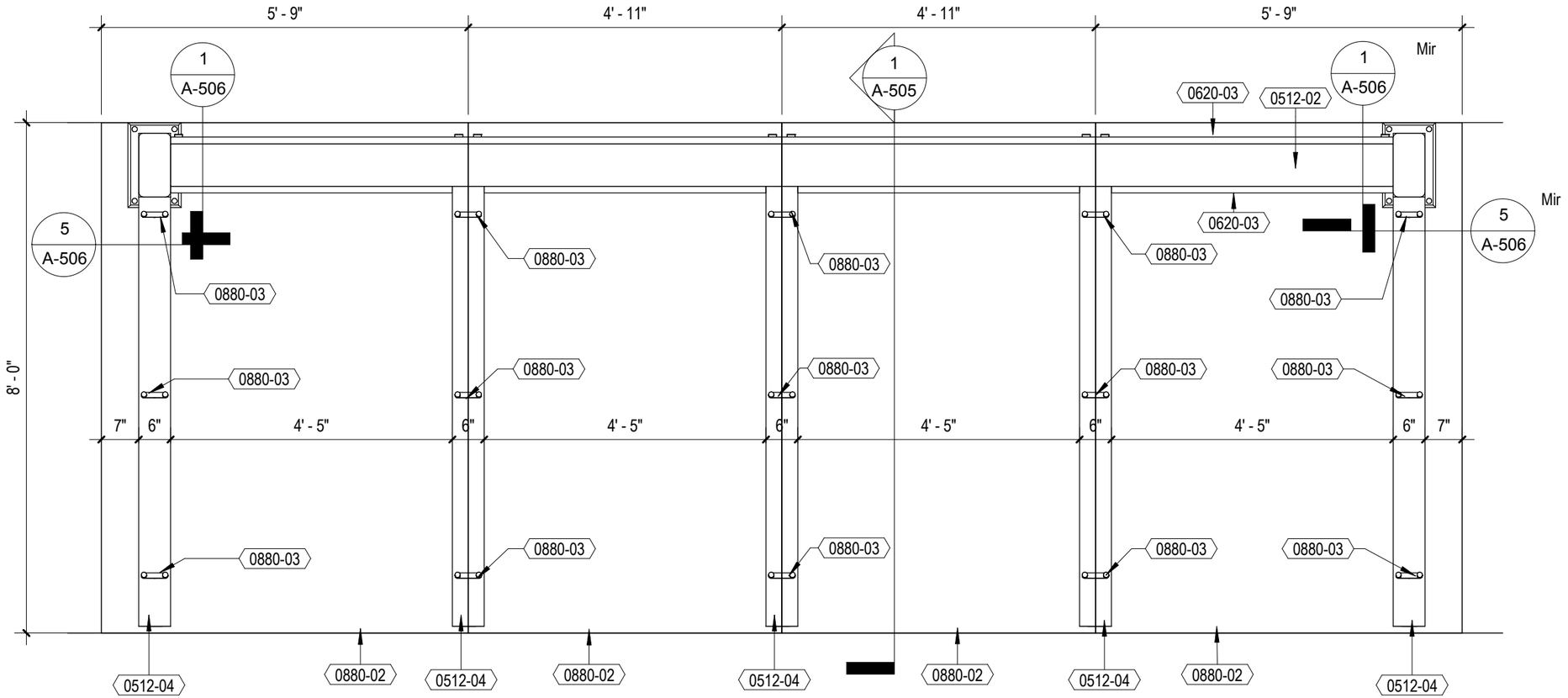
1 SHELTER - FLOOR PLAN
1/2" = 1'-0"

PROJECT NO: 60528491	COUNTY: MILWAUKEE	EAST - WEST BRT	SHEET	E

PRE_311

FILE NAME : C:\Users\elizabethw\Documents\201617-01_BRT Standard Shelter_ARCH_19_adi.elizabethw.rvt PLOT DATE : 07/07/2019 PLOT BY : Author PLOT NAME : A-501 PLOT SCALE : 1/2" = 1'-0" WISDOT/CADDS SHEET 42

KEYNOTES PER SHEET



1 SHELTER - ROOF PLAN
1/2" = 1'-0"

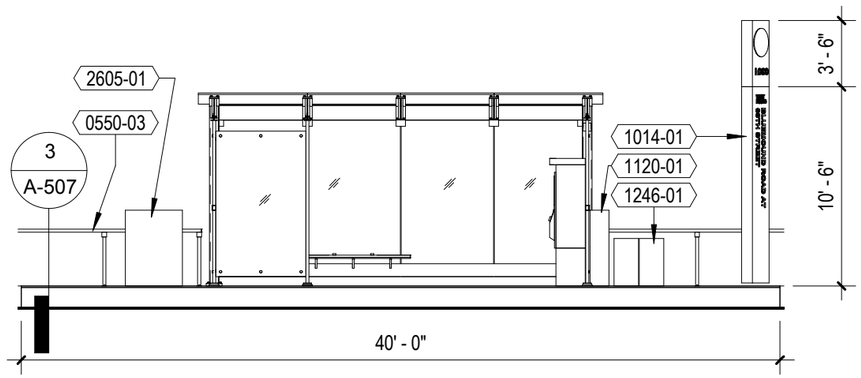
PROJECT NO: 60528491	COUNTY: MILWAUKEE	EAST - WEST BRT	SHELTER DETAILS - ROOF PLAN	SHEET A-502	E

PRE_312

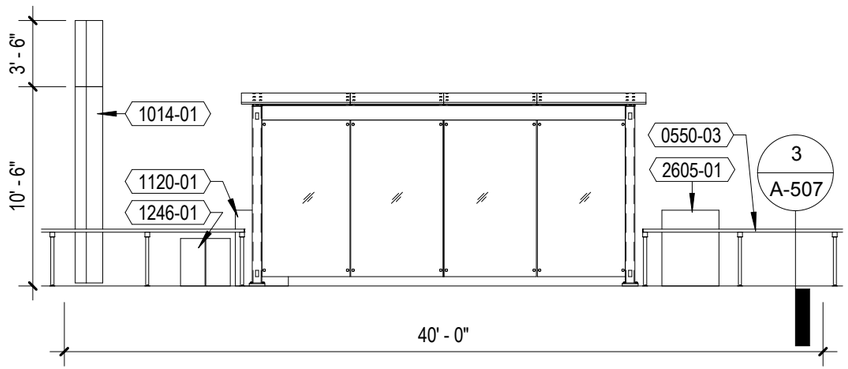
FILE NAME : C:\Users\elizabethw\Documents\201617-01_BRT Standard Shelter_ARCH_19_adi.elizabethw.rvt PLOT DATE : 07/07/2019 PLOT BY : Author PLOT NAME : A-502 PLOT SCALE : 1/2" = 1'-0" WISDOT/CADDS SHEET 42

KEYNOTES PER SHEET

0550-03	RAILING
1014-01	SIGNAGE PYLON; REFER TO SHEET A-508
1120-01	FARE VALIDATOR BY OTHERS
1246-01	WASTE AND RECYCLE RECEPTACLES
2605-01	ELECTRICAL BOX; SEE ELECTRICAL DRAWINGS



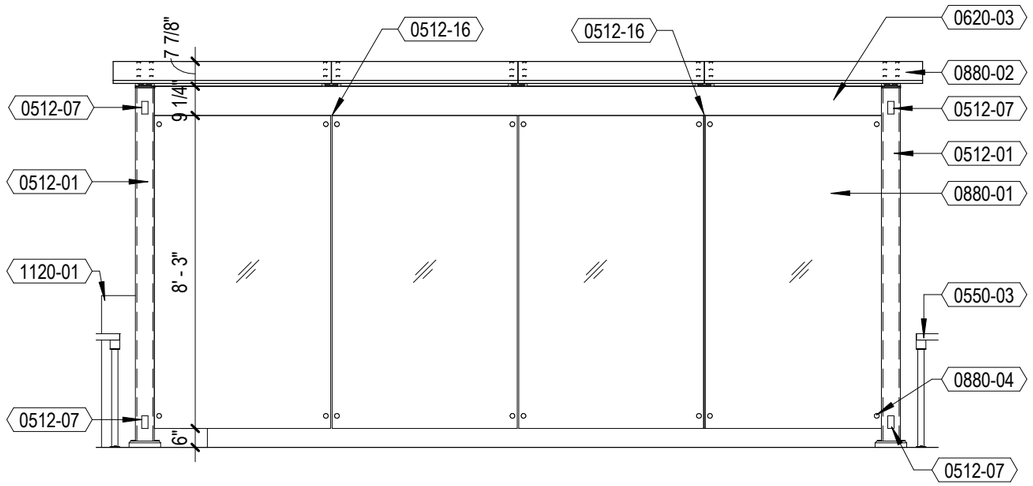
TYPICAL 40' PLATFORM FRONT ELEVATION
1/8" = 1'-0"



TYPICAL 40' PLATFORM REAR ELEVATION
1/8" = 1'-0"

PROJECT NO: 60528491	COUNTY: MILWAUKEE	EAST - WEST BRT	SHELTER DETAILS - OVERALL ELEVATIONS	SHEET A-503	E

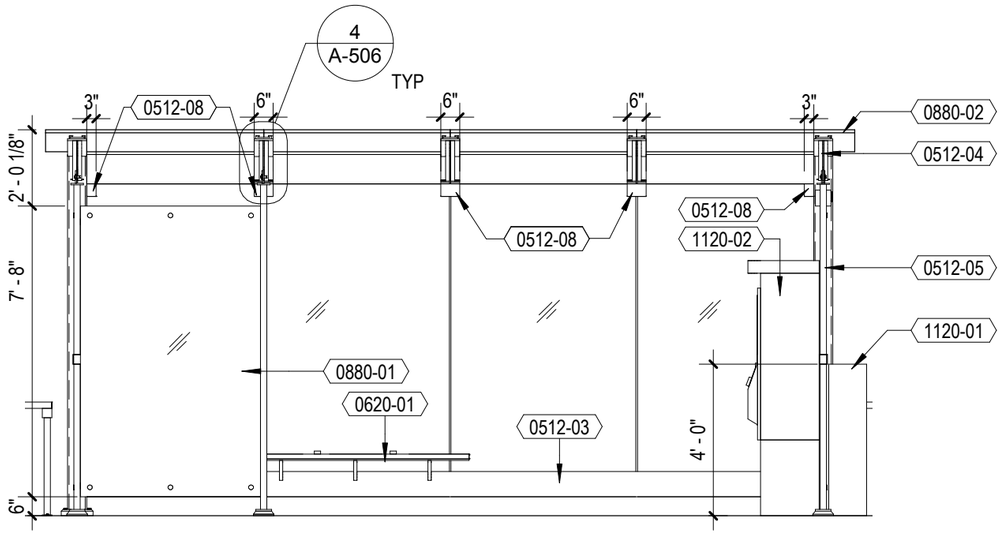
FILE NAME : C:\Users\elizabethw\Documents\201617-01_BRT Standard Shelter_ARCH_19_adi.elizabethw.rvt PLOT DATE : 07/07/2019 PLOT BY : Author PLOT NAME : A-503 PLOT SCALE : 1/8" = 1'-0" WISDOT/CADDS SHEET 42



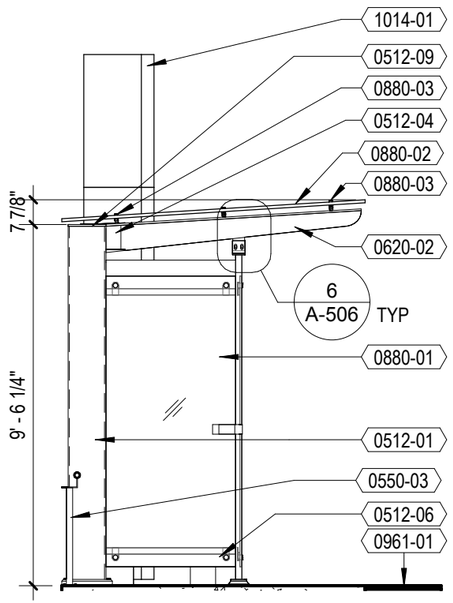
2 SHELTER - REAR ELEVATION
1/4" = 1'-0"

KEYNOTES PER SHEET

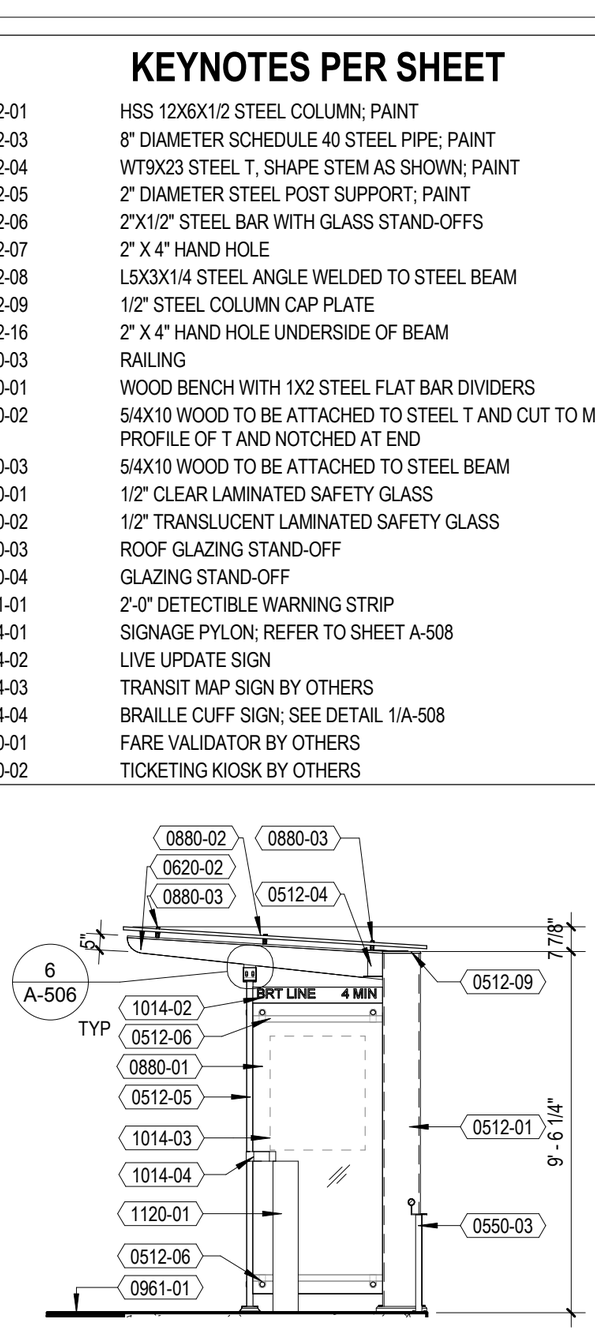
0512-01	HSS 12X6X1/2 STEEL COLUMN; PAINT
0512-03	8" DIAMETER SCHEDULE 40 STEEL PIPE; PAINT
0512-04	WT9X23 STEEL T, SHAPE STEM AS SHOWN; PAINT
0512-05	2" DIAMETER STEEL POST SUPPORT; PAINT
0512-06	2"X1/2" STEEL BAR WITH GLASS STAND-OFFS
0512-07	2" X 4" HAND HOLE
0512-08	L5X3X1/4 STEEL ANGLE WELDED TO STEEL BEAM
0512-09	1/2" STEEL COLUMN CAP PLATE
0512-16	2" X 4" HAND HOLE UNDERSIDE OF BEAM
0550-03	RAILING
0620-01	WOOD BENCH WITH 1X2 STEEL FLAT BAR DIVIDERS
0620-02	5/4X10 WOOD TO BE ATTACHED TO STEEL T AND CUT TO MATCH PROFILE OF T AND NOTCHED AT END
0620-03	5/4X10 WOOD TO BE ATTACHED TO STEEL BEAM
0880-01	1/2" CLEAR LAMINATED SAFETY GLASS
0880-02	1/2" TRANSLUCENT LAMINATED SAFETY GLASS
0880-03	ROOF GLAZING STAND-OFF
0880-04	GLAZING STAND-OFF
0961-01	2'-0" DETECTIBLE WARNING STRIP
1014-01	SIGNAGE PYLON; REFER TO SHEET A-508
1014-02	LIVE UPDATE SIGN
1014-03	TRANSIT MAP SIGN BY OTHERS
1014-04	BRAILLE CUFF SIGN; SEE DETAIL 1/A-508
1120-01	FARE VALIDATOR BY OTHERS
1120-02	TICKETING KIOSK BY OTHERS



1 SHELTER - FRONT ELEVATION
1/4" = 1'-0"



4 SHELTER - SIDE ELEVATION B
1/4" = 1'-0"



3 SHELTER - SIDE ELEVATION A
1/4" = 1'-0"

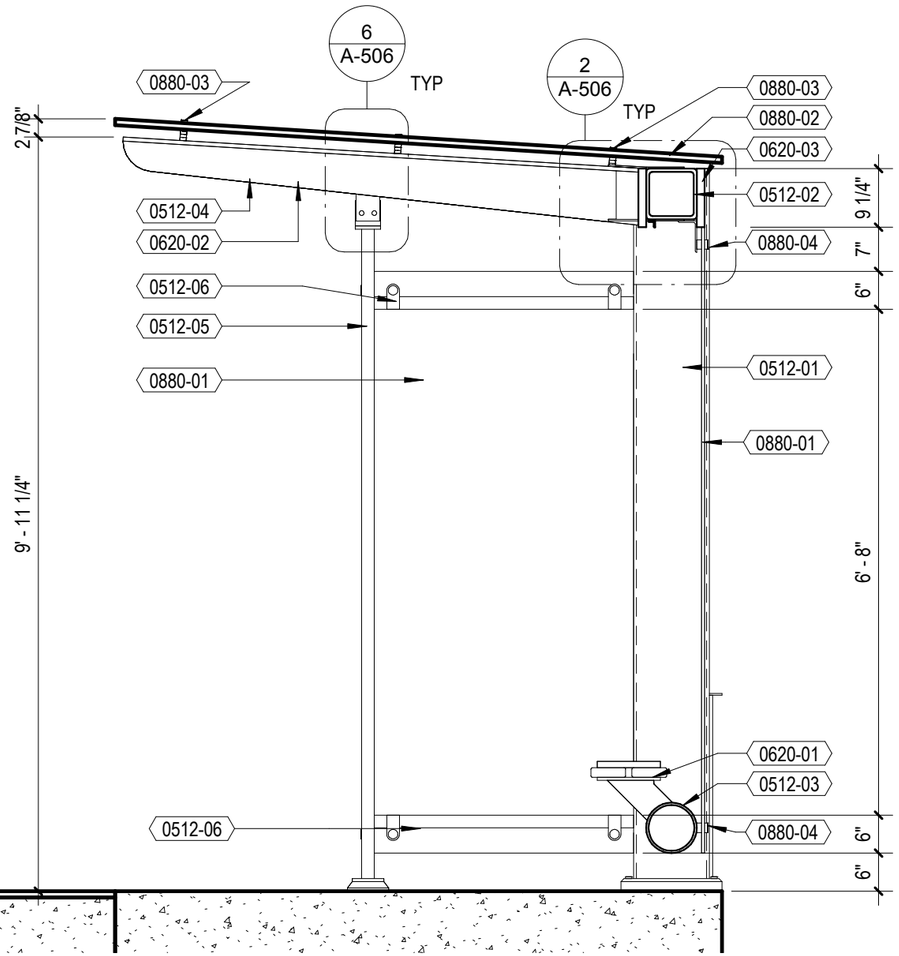
PROJECT NO: 60528491	COUNTY: MILWAUKEE	EAST - WEST BRT	SHELTER DETAILS - ELEVATIONS	SHEET A-504	E

PRE_314

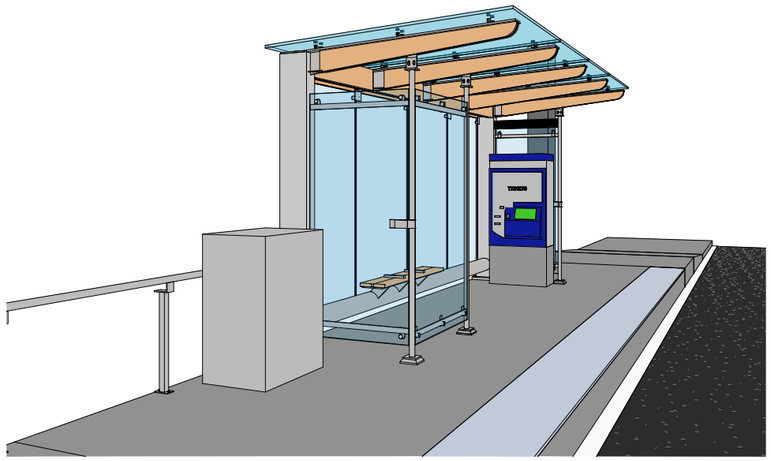
FILE NAME : C:\Users\elizabethw\Documents\201617-01_BRT Standard Shelter_ARCH_19_adi.elizabethw.rvt PLOT DATE : 07/07/2019 PLOT BY : Author PLOT NAME : A-504 PLOT SCALE : 1/4" = 1'-0" WISDOT/CADDS SHEET 42

KEYNOTES PER SHEET

0512-01	HSS 12X6X1/2 STEEL COLUMN; PAINT
0512-02	HSS 8X8X1/2 STEEL BEAM; PAINT
0512-03	8" DIAMETER SCHEDULE 40 STEEL PIPE; PAINT
0512-04	WT9X23 STEEL T, SHAPE STEM AS SHOWN; PAINT
0512-05	2" DIAMETER STEEL POST SUPPORT; PAINT
0512-06	2"X1/2" STEEL BAR WITH GLASS STAND-OFFS
0620-01	WOOD BENCH WITH 1X2 STEEL FLAT BAR DIVIDERS
0620-02	5/4X10 WOOD TO BE ATTACHED TO STEEL T AND CUT TO MATCH PROFILE OF T AND NOTCHED AT END
0620-03	5/4X10 WOOD TO BE ATTACHED TO STEEL BEAM
0880-01	1/2" CLEAR LAMINATED SAFETY GLASS
0880-02	1/2" TRANSLUCENT LAMINATED SAFETY GLASS
0880-03	ROOF GLAZING STAND-OFF
0880-04	GLAZING STAND-OFF



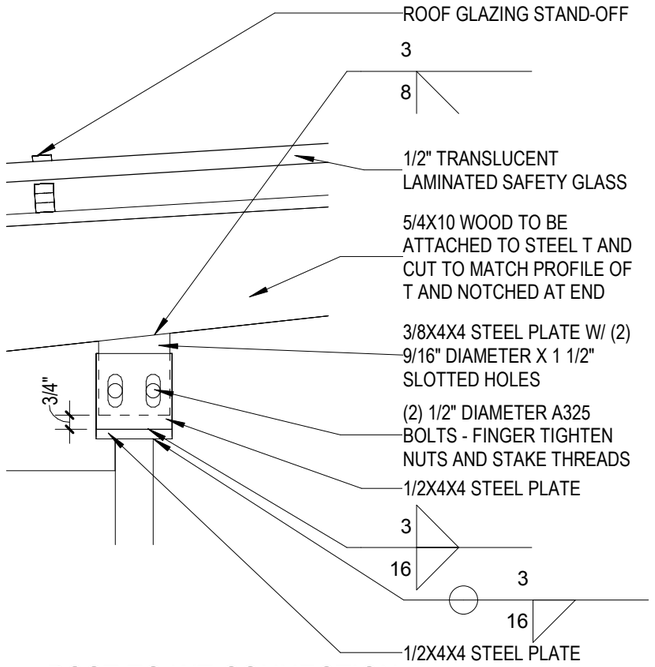
1 SHELTER - TRANSVERSE SECTION
1/2" = 1'-0"



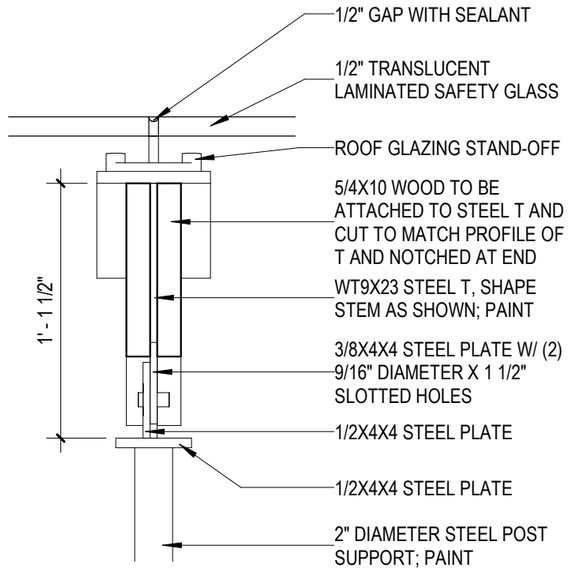
2 LOW IMPACT SHELTER - 3D VIEW

PROJECT NO: 60528491	COUNTY: MILWAUKEE	EAST - WEST BRT	SHELTER DETAILS - SECTION AND ISOMETRIC	SHEET PRE_315 E

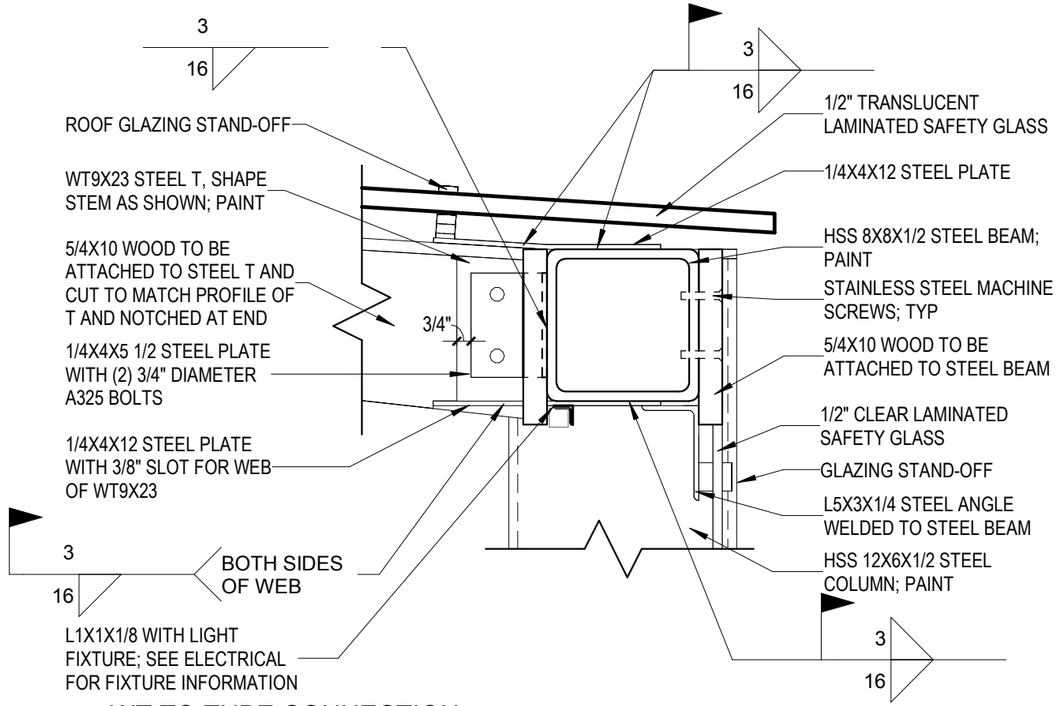
FILE NAME : C:\Users\elizabethw\Documents\201617-01_BRT Standard Shelter_ARCH_19_adi.elizabethw.rvt PLOT DATE : 07/07/2019 PLOT BY : Author PLOT NAME : A-505 PLOT SCALE : 1/2" = 1'-0" WISDOT/CADDS SHEET 42



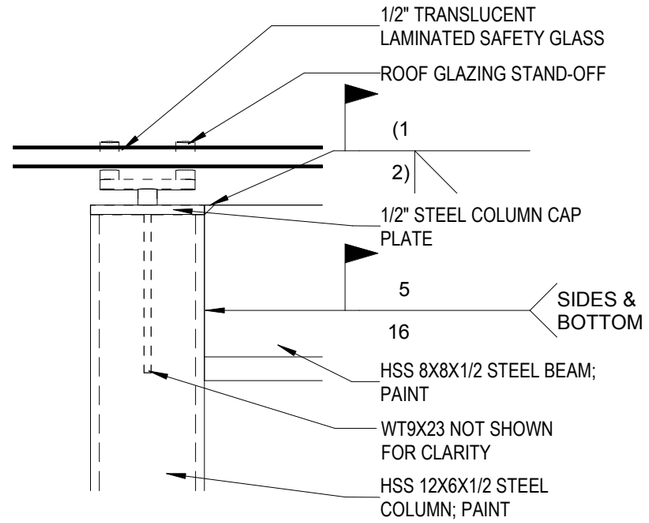
6 POST TO WT CONNECTION
1 1/2" = 1'-0"



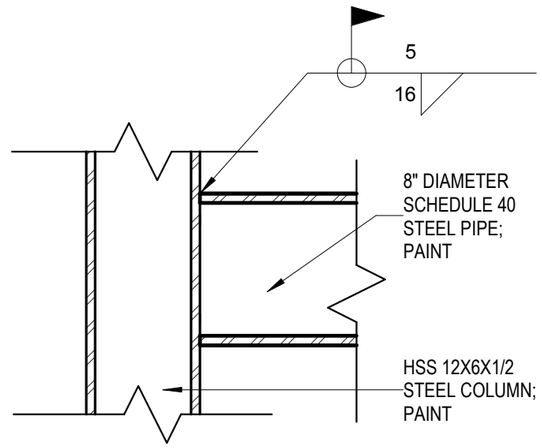
4 TOP OF STEEL POST
1 1/2" = 1'-0"



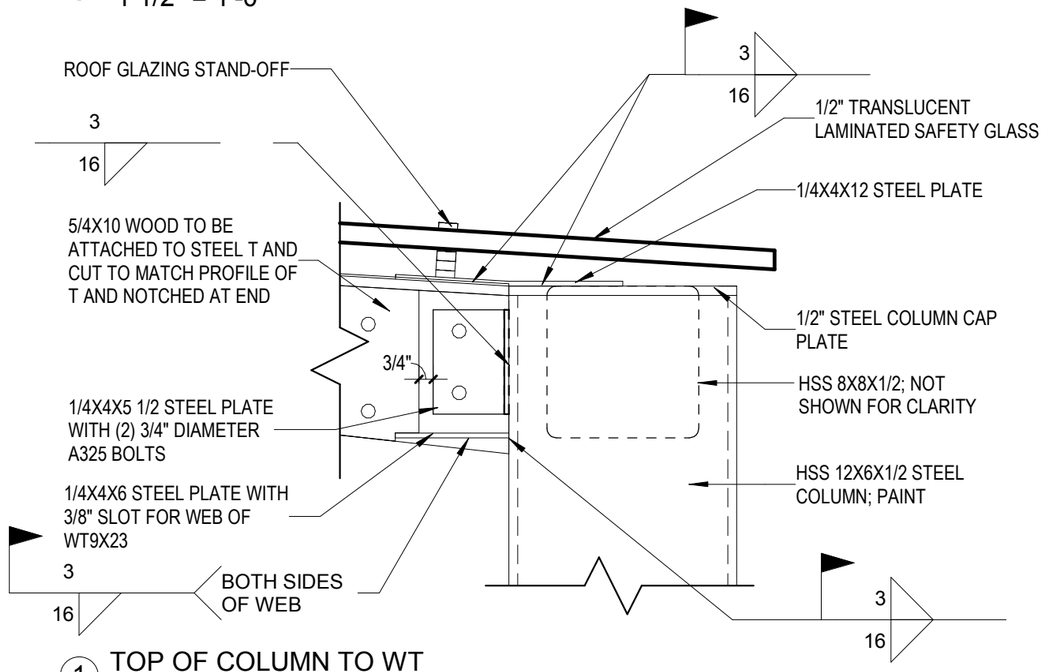
2 WT TO TUBE CONNECTION
1 1/2" = 1'-0"



5 TOP OF COLUMN TO TUBE CONNECTION
1 1/2" = 1'-0"



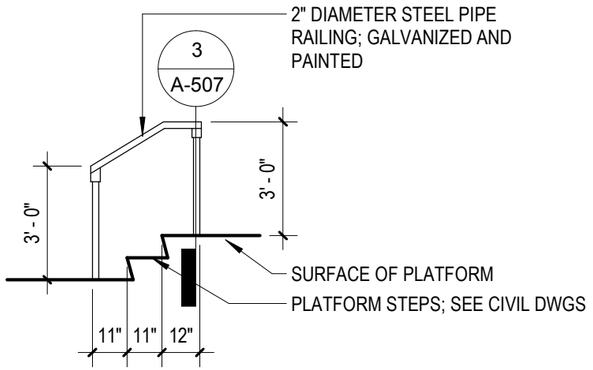
3 PIPE TO TUBE CONNECTION
1 1/2" = 1'-0"



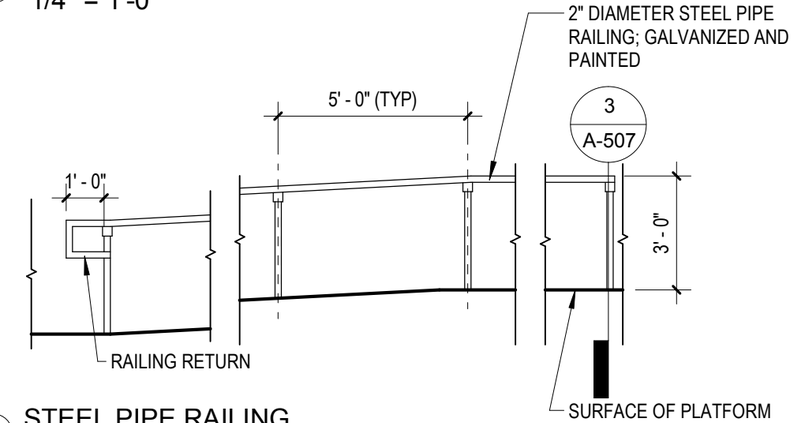
1 TOP OF COLUMN TO WT
1 1/2" = 1'-0"

PROJECT NO: 60528491	COUNTY: MILWAUKEE	EAST - WEST BRT	SHELTER DETAILS - DETAILS	SHEET A-506	E

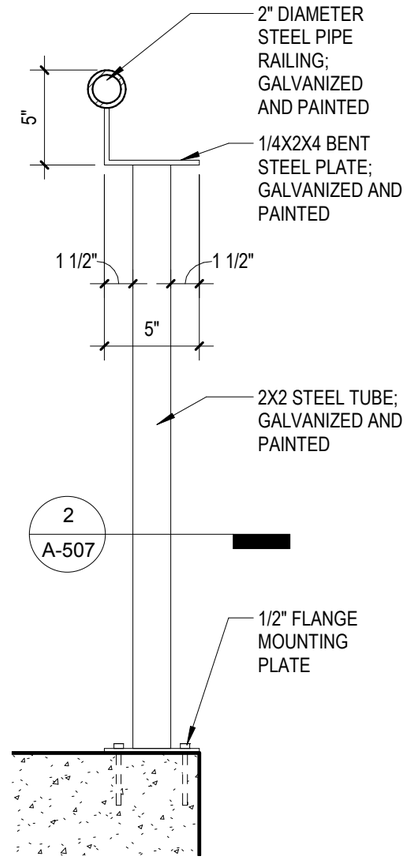
PRE_316



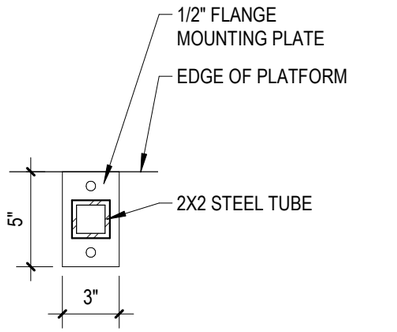
5 STAIR HANDRAIL
1/4" = 1'-0"



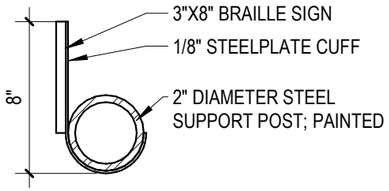
4 STEEL PIPE RAILING
1/4" = 1'-0"



3 RAILING SECTION
1 1/2" = 1'-0"



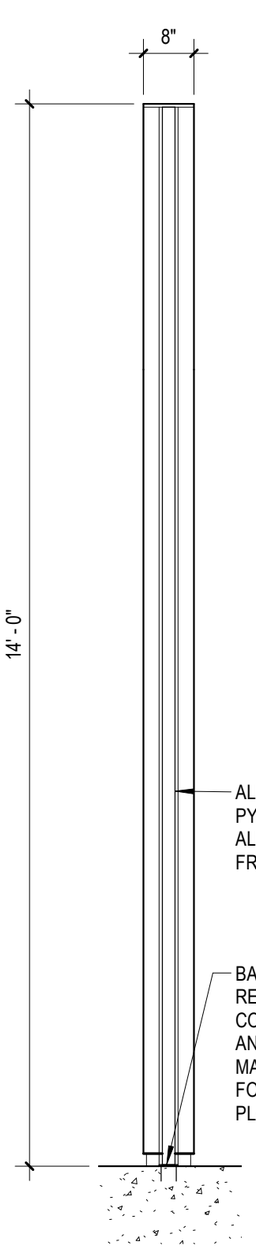
2 RAIL ATTACHMENT
1 1/2" = 1'-0"



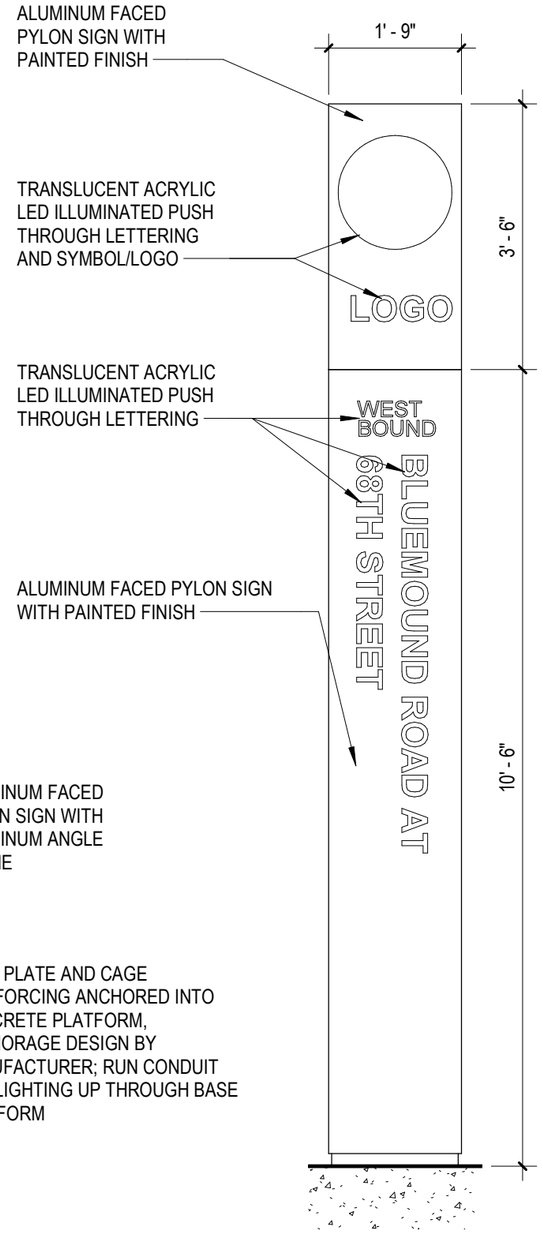
1 BRAILLE CUFF SIGN
1 1/2" = 1'-0"

PROJECT NO: 60528491	COUNTY: MILWAUKEE	EAST - WEST BRT	SHELTER DETAILS - DETAILS	SHEET A-507	E

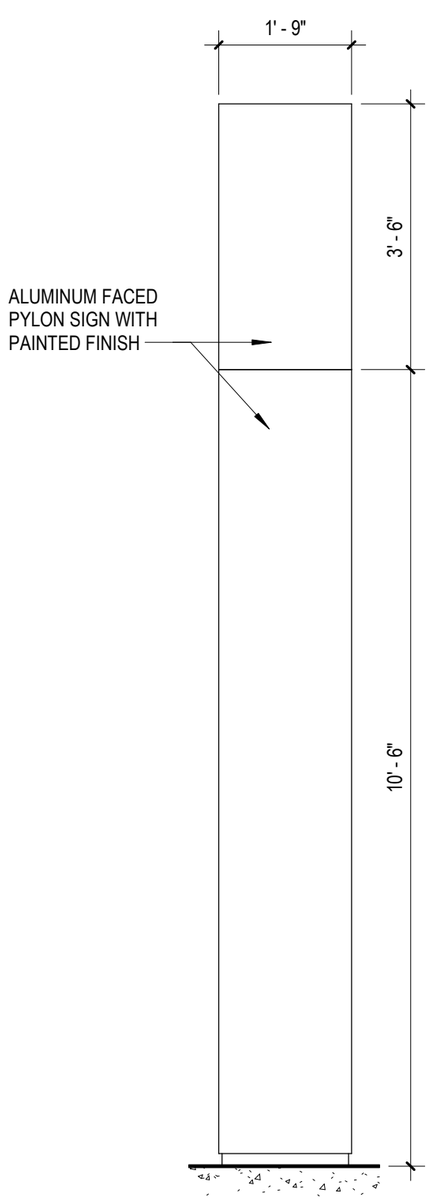
PRE_317



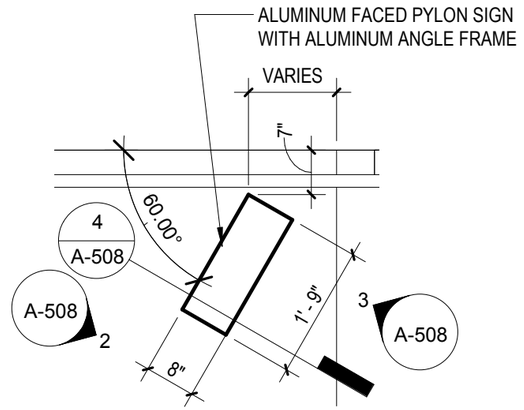
4 PYLON - SECTION
1/2" = 1'-0"



3 PYLON - FRONT ELEV
1/2" = 1'-0"



2 PYLON - REAR ELEV
1/2" = 1'-0"



1 PYLON - PLAN
1/2" = 1'-0"

PROJECT NO: 60528491	COUNTY: MILWAUKEE	EAST - WEST BRT	PYLON DETAILS	SHEET	E

PRE_318

FILE NAME : C:\Users\elizabethw\Documents\201617-01_BRT Standard Shelter_ARCH_19_adi.elizabethw.rvt PLOT DATE : 07/07/2019 PLOT BY : JP/EW PLOT NAME : A-508 PLOT SCALE : 1/2" = 1'-0" WISDOT/CADDS SHEET 42

KEYNOTES:

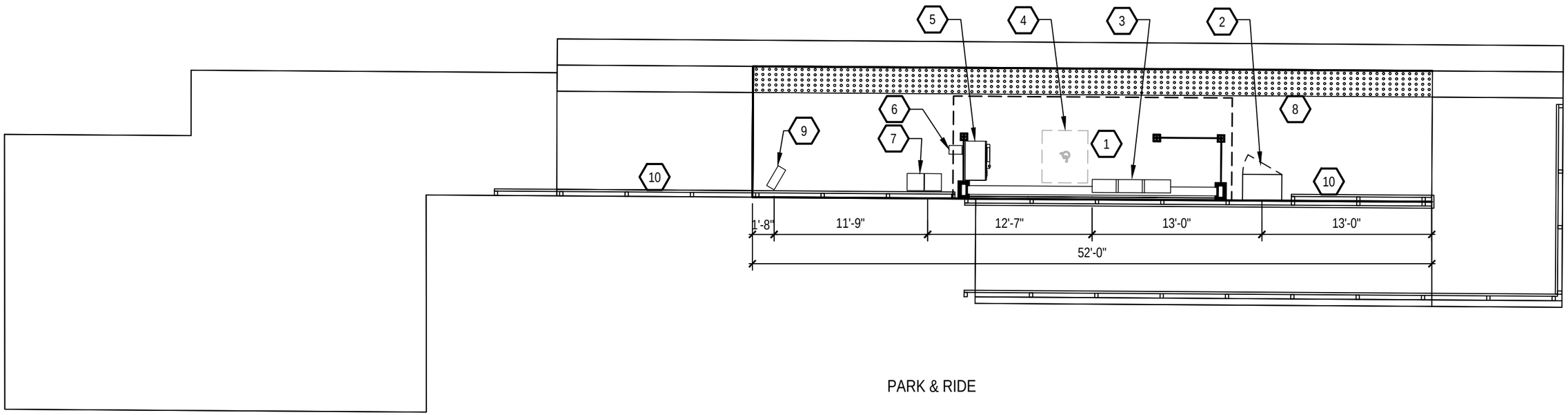
1. SHELTER; REFER TO DETAIL SHEETS A-500 THROUGH A-508 FOR ENLARGED PLANS AND ELEVATIONS
2. ELECTRICAL BOX; REFER TO ELECTRICAL DRAWINGS
3. WOOD BENCH
4. 42X48 ACCESSIBLE WHEELCHAIR LOCATION
5. TICKET VENDOR BY OTHERS
6. TICKET VALIDATOR BY OTHERS
7. TRASH AND RECYCLING RECEPTACLES
8. TACTILE WARNING STRIP
9. SIGNAGE PYLON; REFER TO DETAIL SHEET A-508
10. RAILING; REFER TO DETAIL SHEET A-507
11. STAIR WITH HANDRAILS BOTH SIDES; REFER TO DETAIL 5/A-507

GENERAL NOTES:

1. DIMENSIONS ARE TO CENTER LINE UNLESS NOTED OTHERWISE.

N

PARK & RIDE



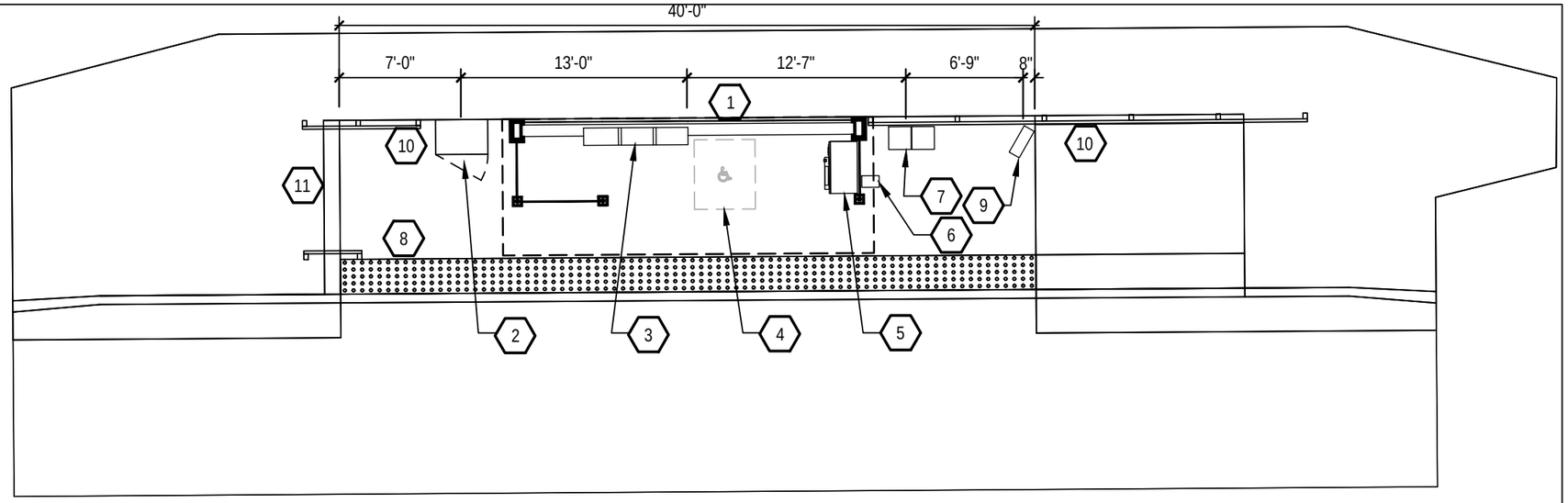
PARK & RIDE

PROJECT NO:60528491	COUNTY:MILWAUKEE	STATION 01 – WATERTOWN PLANK PARK & RIDE	STATION AMENITIES PLANS	SHEET

PRE_319

FILE NAME : G:\2016\201617-01 – Aecom – Milwaukee County – BRT Bus Rapid Transit\2-Design Phase\Drawings\Station Amenities Sheets PLOT DATE : 7/3/2019 PLOT BY : JP/EW PLOT NAME : PLOT SCALE : 1/8" = 1'

WISDOT/CADDS SHEET 42



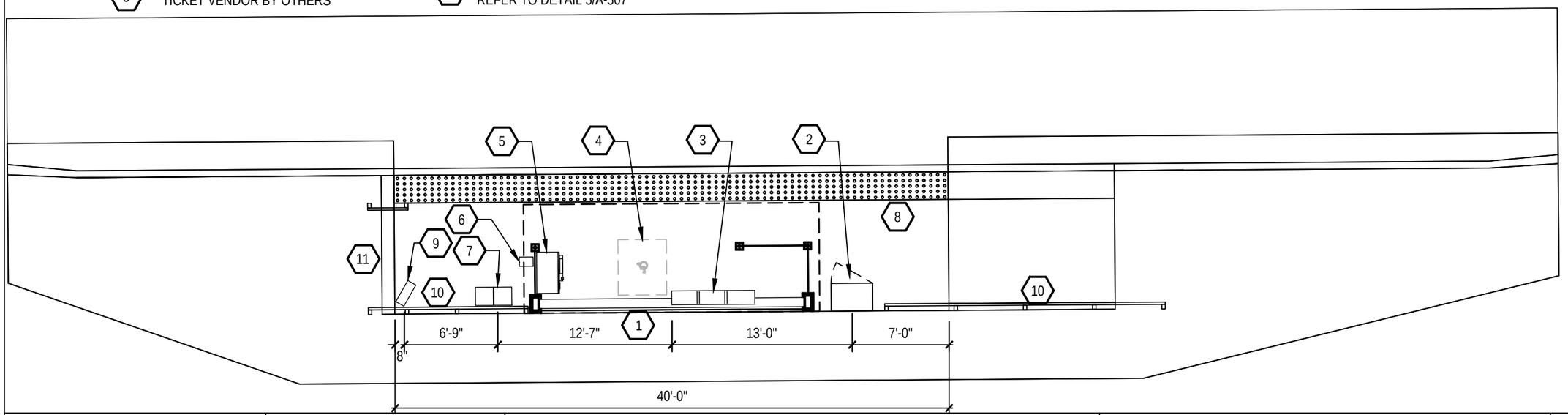
KEYNOTES:

1. SHELTER; REFER TO DETAIL SHEETS A-500 THROUGH A-508 FOR ENLARGED PLANS AND ELEVATIONS
2. ELECTRICAL BOX; REFER TO ELECTRICAL DRAWINGS
3. WOOD BENCH
4. 42X48 ACCESSIBLE WHEELCHAIR LOCATION
5. TICKET VENDOR BY OTHERS
6. TICKET VALIDATOR BY OTHERS
7. TRASH AND RECYCLING RECEPTACLES
8. TACTILE WARNING STRIP
9. SIGNAGE PYLON; REFER TO DETAIL SHEET A-508
10. RAILING; REFER TO DETAIL SHEET A-507
11. STAIR WITH HANDRAILS BOTH SIDES; REFER TO DETAIL 5/A-507

GENERAL NOTES:

1. DIMENSIONS ARE TO CENTER LINE UNLESS NOTED OTHERWISE.

N



PROJECT NO:60528491	COUNTY:MILWAUKEE	STATION 02 & 03 – 92ND ST & CONNEL AVE	STATION AMENITIES PLANS	SHEET

PRE_320

FILE NAME : G:\2016\201617-01 – Aecom – Milwaukee County – BRT Bus Rapid Transit\2-Design Phase\Drawings\Station Amenities Sheets PLOT DATE : 7/3/2019 PLOT BY : JP/EW PLOT NAME : PLOT SCALE : 1/8" = 1'

WISDOT/CADDS SHEET 42

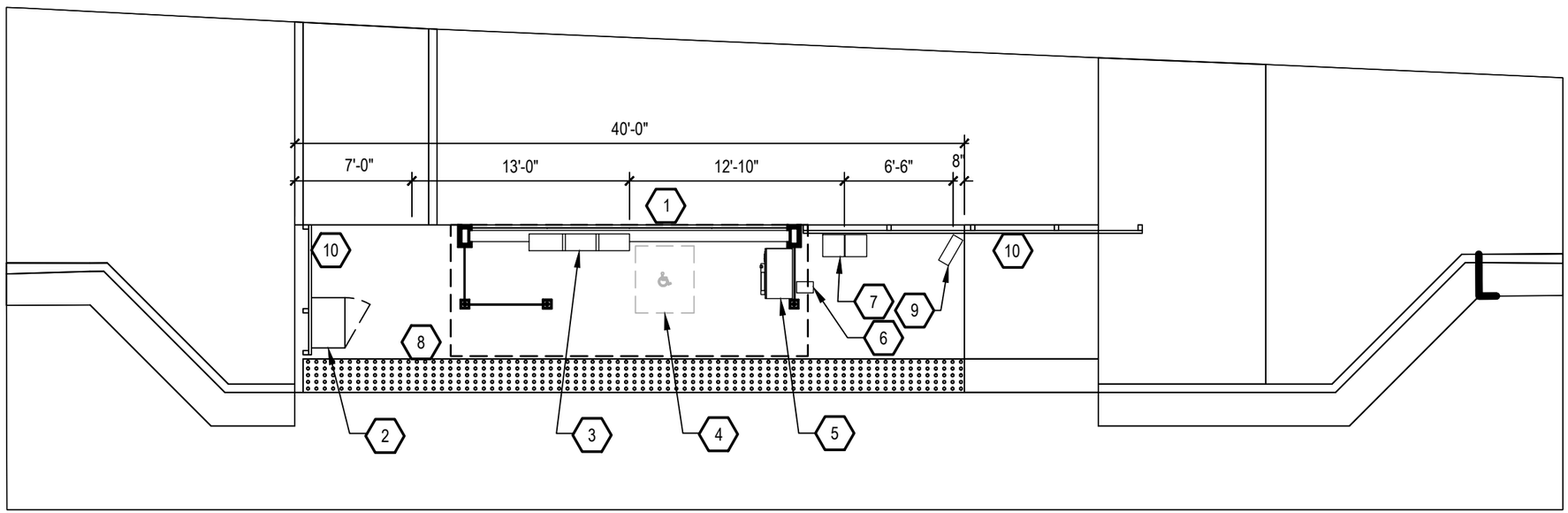
KEYNOTES:

1. SHELTER; REFER TO DETAIL SHEETS A-500 THROUGH A-508 FOR ENLARGED PLANS AND ELEVATIONS
2. ELECTRICAL BOX; REFER TO ELECTRICAL DRAWINGS
3. WOOD BENCH
4. 42X48 ACCESSIBLE WHEELCHAIR LOCATION
5. TICKET VENDOR BY OTHERS
6. TICKET VALIDATOR BY OTHERS
7. TRASH AND RECYCLING RECEPTACLES
8. TACTILE WARNING STRIP
9. SIGNAGE PYLON; REFER TO DETAIL SHEET A-508
10. RAILING; REFER TO DETAIL SHEET A-507
11. STAIR WITH HANDRAILS BOTH SIDES; REFER TO DETAIL 5/A-507

N

GENERAL NOTES:

1. DIMENSIONS ARE TO CENTER LINE UNLESS NOTED OTHERWISE.



PROJECT NO:60528491	COUNTY:MILWAUKEE	STATION 04 – 95TH ST & BLUEMOUND RD NB	STATION AMENITIES PLANS	SHEET

PRE_321

FILE NAME : G:\2016\201617-01 – Aecom – Milwaukee County – BRT Bus Rapid Transit\2–Design Phase\Drawings\Station Amenities Sheets PLOT DATE : 7/3/2019 PLOT BY : JP/EW PLOT NAME : PLOT SCALE : 1/8" = 1'

WISDOT/CADDS SHEET 42

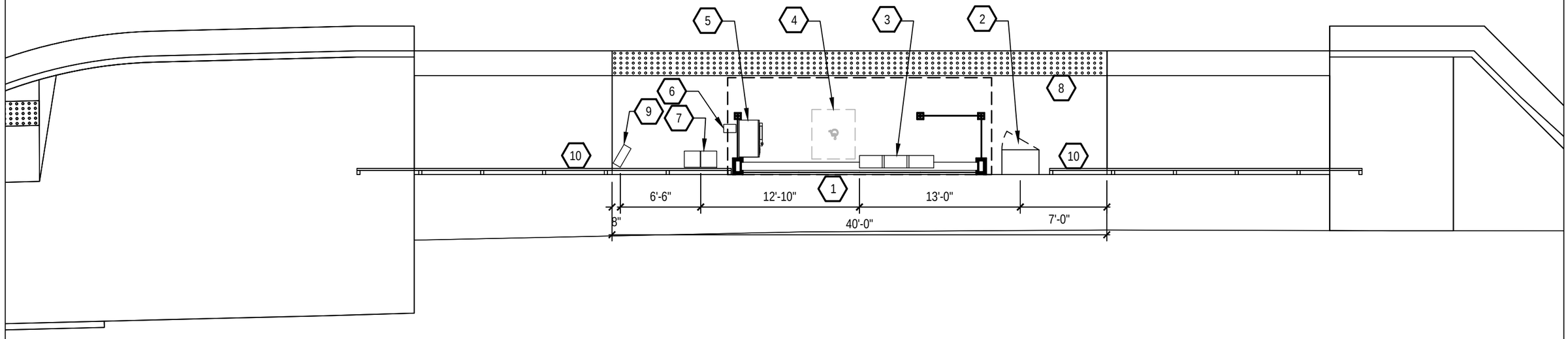
KEYNOTES:

1. SHELTER; REFER TO DETAIL SHEETS A-500 THROUGH A-508 FOR ENLARGED PLANS AND ELEVATIONS
2. ELECTRICAL BOX; REFER TO ELECTRICAL DRAWINGS
3. WOOD BENCH
4. 42X48 ACCESSIBLE WHEELCHAIR LOCATION
5. TICKET VENDOR BY OTHERS
6. TICKET VALIDATOR BY OTHERS
7. TRASH AND RECYCLING RECEPTACLES
8. TACTILE WARNING STRIP
9. SIGNAGE PYLON; REFER TO DETAIL SHEET A-508
10. RAILING; REFER TO DETAIL SHEET A-507
11. STAIR WITH HANDRAILS BOTH SIDES; REFER TO DETAIL 5/A-507

N

GENERAL NOTES:

1. DIMENSIONS ARE TO CENTER LINE UNLESS NOTED OTHERWISE.



PROJECT NO:60528491	COUNTY:MILWAUKEE	STATION 05 – BLUEMOUND RD AND 95TH ST EB	STATION AMENITIES PLANS	SHEET

PRE_322

FILE NAME : G:\2016\201617-01 – Aecom – Milwaukee County – BRT Bus Rapid Transit\2-Design Phase\Drawings\Station Amenities Sheets PLOT DATE : 7/3/2019 PLOT BY : JP/EW PLOT NAME : PLOT SCALE : 1/8" = 1'

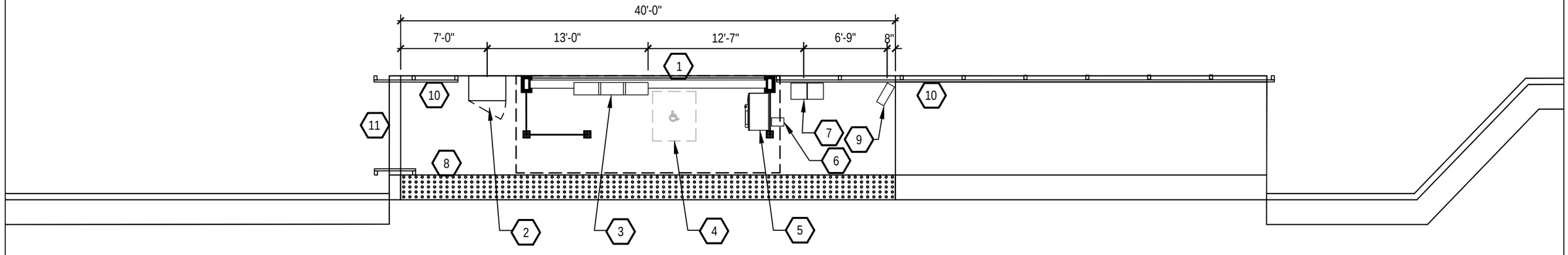
KEYNOTES:

1. SHELTER; REFER TO DETAIL SHEETS A-500 THROUGH A-508 FOR ENLARGED PLANS AND ELEVATIONS
2. ELECTRICAL BOX; REFER TO ELECTRICAL DRAWINGS
3. WOOD BENCH
4. 42X48 ACCESSIBLE WHEELCHAIR LOCATION
5. TICKET VENDOR BY OTHERS
6. TICKET VALIDATOR BY OTHERS
7. TRASH AND RECYCLING RECEPTACLES
8. TACTILE WARNING STRIP
9. SIGNAGE PYLON; REFER TO DETAIL SHEET A-508
10. RAILING; REFER TO DETAIL SHEET A-507
11. STAIR WITH HANDRAILS BOTH SIDES; REFER TO DETAIL 5/A-507

N

GENERAL NOTES:

1. DIMENSIONS ARE TO CENTER LINE UNLESS NOTED OTHERWISE.



BLUE MOUND RD

PROJECT NO:60528491	COUNTY:MILWAUKEE	STATION 06 – BLUEMOUND RD AND GLENVIEW AVE WB	STATION AMENITIES PLANS	SHEET

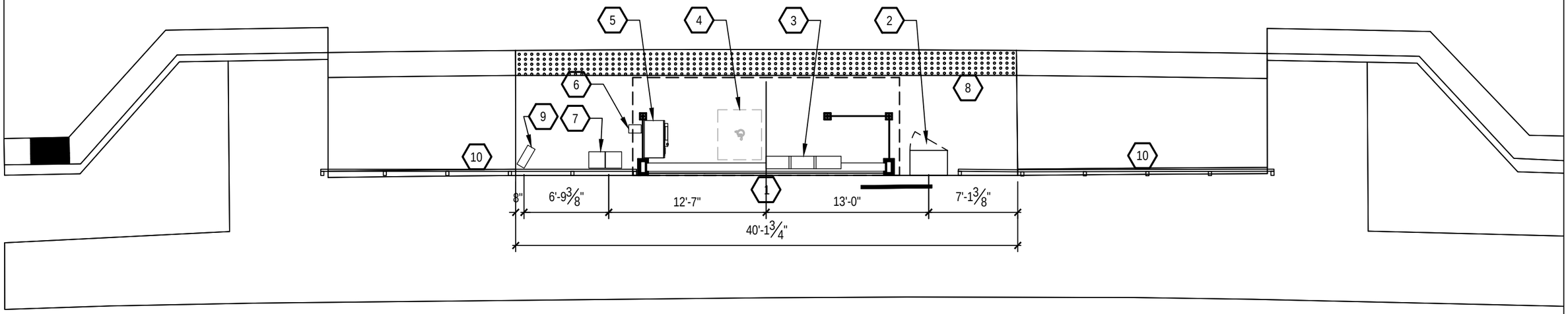
PRE_323

KEYNOTES:

1. SHELTER; REFER TO DETAIL SHEETS A-500 THROUGH A-508 FOR ENLARGED PLANS AND ELEVATIONS
2. ELECTRICAL BOX; REFER TO ELECTRICAL DRAWINGS
3. WOOD BENCH
4. 42X48 ACCESSIBLE WHEELCHAIR LOCATION
5. TICKET VENDOR BY OTHERS
6. TICKET VALIDATOR BY OTHERS
7. TRASH AND RECYCLING RECEPTACLES
8. TACTILE WARNING STRIP
9. SIGNAGE PYLON; REFER TO DETAIL SHEET A-508
10. RAILING; REFER TO DETAIL SHEET A-507
11. STAIR WITH HANDRAILS BOTH SIDES; REFER TO DETAIL 5/A-507

GENERAL NOTES:

1. DIMENSIONS ARE TO CENTER LINE UNLESS NOTED OTHERWISE.



PROJECT NO:60528491	COUNTY:MILWAUKEE	STATION 07 – BLUEMOUND RD AND GLENVIEW AVE EB	STATION AMENITIES PLANS	SHEET

PRE_324

FILE NAME : G:\2016\201617-01 – Aecom – Milwaukee County – BRT Bus Rapid Transit\2-Design Phase\Drawings\Station Amenities Sheets PLOT DATE : 7/3/2019 PLOT BY : JP/EW PLOT NAME : PLOT SCALE : 1/8" = 1'

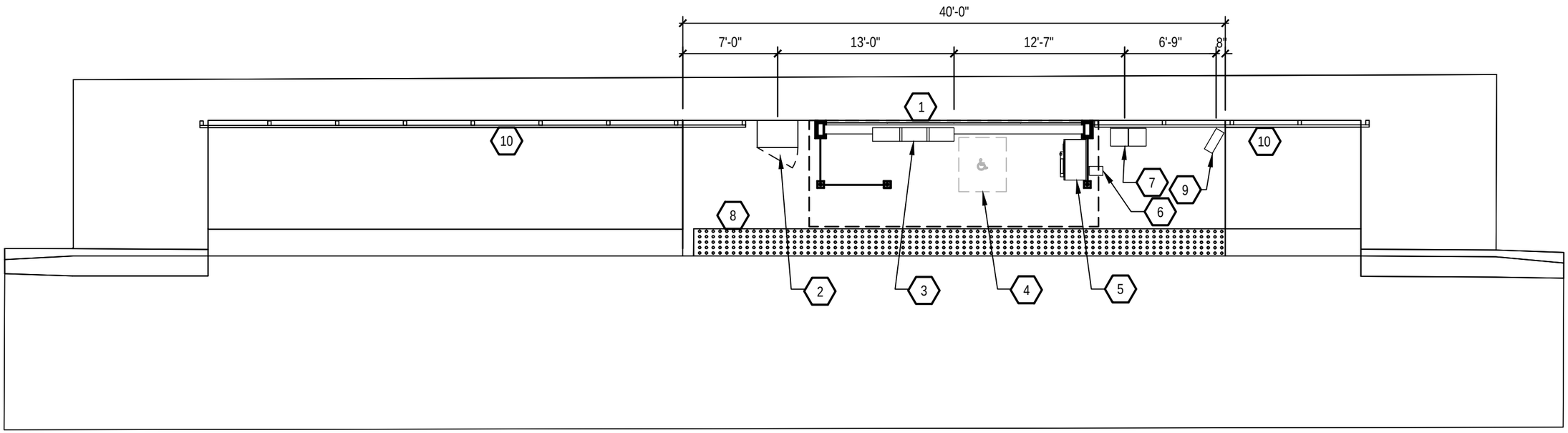
KEYNOTES:

1. SHELTER; REFER TO DETAIL SHEETS A-500 THROUGH A-508 FOR ENLARGED PLANS AND ELEVATIONS
2. ELECTRICAL BOX; REFER TO ELECTRICAL DRAWINGS
3. WOOD BENCH
4. 42X48 ACCESSIBLE WHEELCHAIR LOCATION
5. TICKET VENDOR BY OTHERS
6. TICKET VALIDATOR BY OTHERS
7. TRASH AND RECYCLING RECEPTACLES
8. TACTILE WARNING STRIP
9. SIGNAGE PYLON; REFER TO DETAIL SHEET A-508
10. RAILING; REFER TO DETAIL SHEET A-507
11. STAIR WITH HANDRAILS BOTH SIDES; REFER TO DETAIL 5/A-507

N

GENERAL NOTES:

1. DIMENSIONS ARE TO CENTER LINE UNLESS NOTED OTHERWISE.



BLUE MOUND RD

PROJECT NO:60528491	COUNTY:MILWAUKEE	STATION 08 – BLUEMOUND RD AND 76TH ST WB	STATION AMENITIES PLANS	SHEET

PRE_325

FILE NAME : G:\2016\201617-01 – Aecom – Milwaukee County – BRT Bus Rapid Transit\2-Design Phase\Drawings\Station Amenities Sheets PLOT DATE : 7/3/2019 PLOT BY : JP/EW PLOT NAME : PLOT SCALE : 1/8" = 1'

WISDOT/CADDS SHEET 42

KEYNOTES:

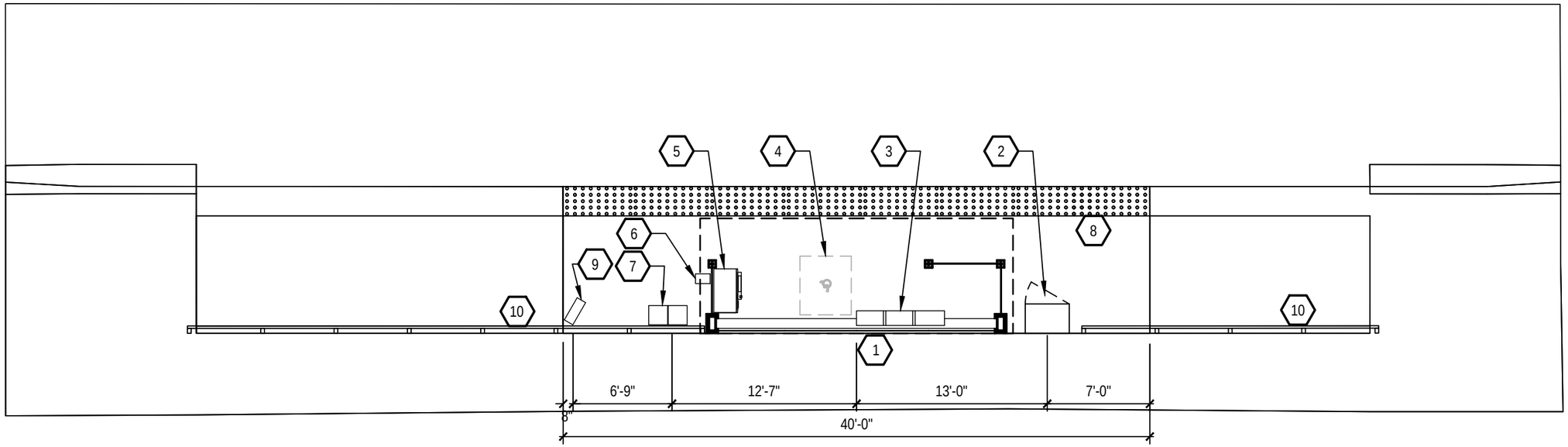
1. SHELTER; REFER TO DETAIL SHEETS A-500 THROUGH A-508 FOR ENLARGED PLANS AND ELEVATIONS
2. ELECTRICAL BOX; REFER TO ELECTRICAL DRAWINGS
3. WOOD BENCH
4. 42X48 ACCESSIBLE WHEELCHAIR LOCATION
5. TICKET VENDOR BY OTHERS
6. TICKET VALIDATOR BY OTHERS
7. TRASH AND RECYCLING RECEPTACLES
8. TACTILE WARNING STRIP
9. SIGNAGE PYLON; REFER TO DETAIL SHEET A-508
10. RAILING; REFER TO DETAIL SHEET A-507
11. STAIR WITH HANDRAILS BOTH SIDES; REFER TO DETAIL 5/A-507

N

GENERAL NOTES:

1. DIMENSIONS ARE TO CENTER LINE UNLESS NOTED OTHERWISE.

BLUE MOUND RD



PROJECT NO:60528491	COUNTY:MILWAUKEE	STATION 09 – BLUEMOUND RD AND 76TH ST WB	STATION AMENITIES PLANS	SHEET

PRE_326

FILE NAME : G:\2016\201617-01 – Aecom – Milwaukee County – BRT Bus Rapid Transit\2–Design Phase\Drawings\Station Amenities Sheets PLOT DATE : 7/3/2019 PLOT BY : JP/EW PLOT NAME : PLOT SCALE : 1/8" = 1'

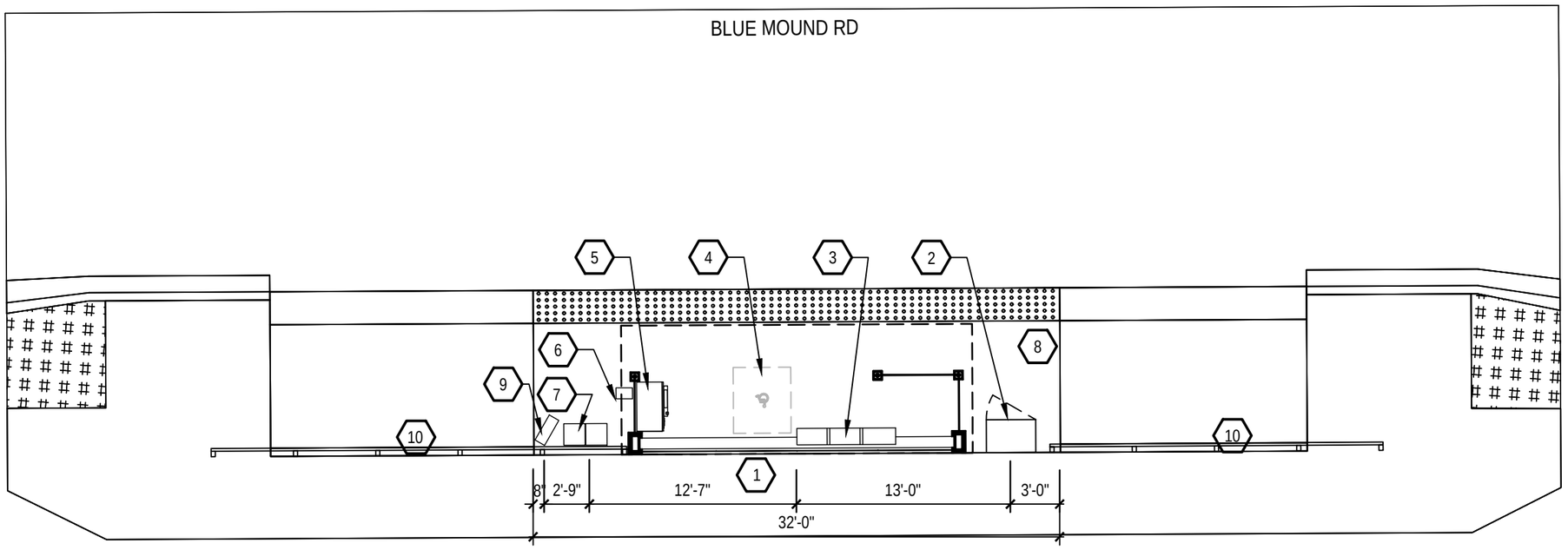
KEYNOTES:

1. SHELTER; REFER TO DETAIL SHEETS A-500 THROUGH A-508 FOR ENLARGED PLANS AND ELEVATIONS
2. ELECTRICAL BOX; REFER TO ELECTRICAL DRAWINGS
3. WOOD BENCH
4. 42X48 ACCESSIBLE WHEELCHAIR LOCATION
5. TICKET VENDOR BY OTHERS
6. TICKET VALIDATOR BY OTHERS
7. TRASH AND RECYCLING RECEPTACLES
8. TACTILE WARNING STRIP
9. SIGNAGE PYLON; REFER TO DETAIL SHEET A-508
10. RAILING; REFER TO DETAIL SHEET A-507
11. STAIR WITH HANDRAILS BOTH SIDES; REFER TO DETAIL 5/A-507

N

GENERAL NOTES:

1. DIMENSIONS ARE TO CENTER LINE UNLESS NOTED OTHERWISE.



PROJECT NO:60528491	COUNTY:MILWAUKEE	STATION 10 – BLUEMOUND RD AND 68TH ST EB	STATION AMENITIES PLANS	SHEET

PRE_327

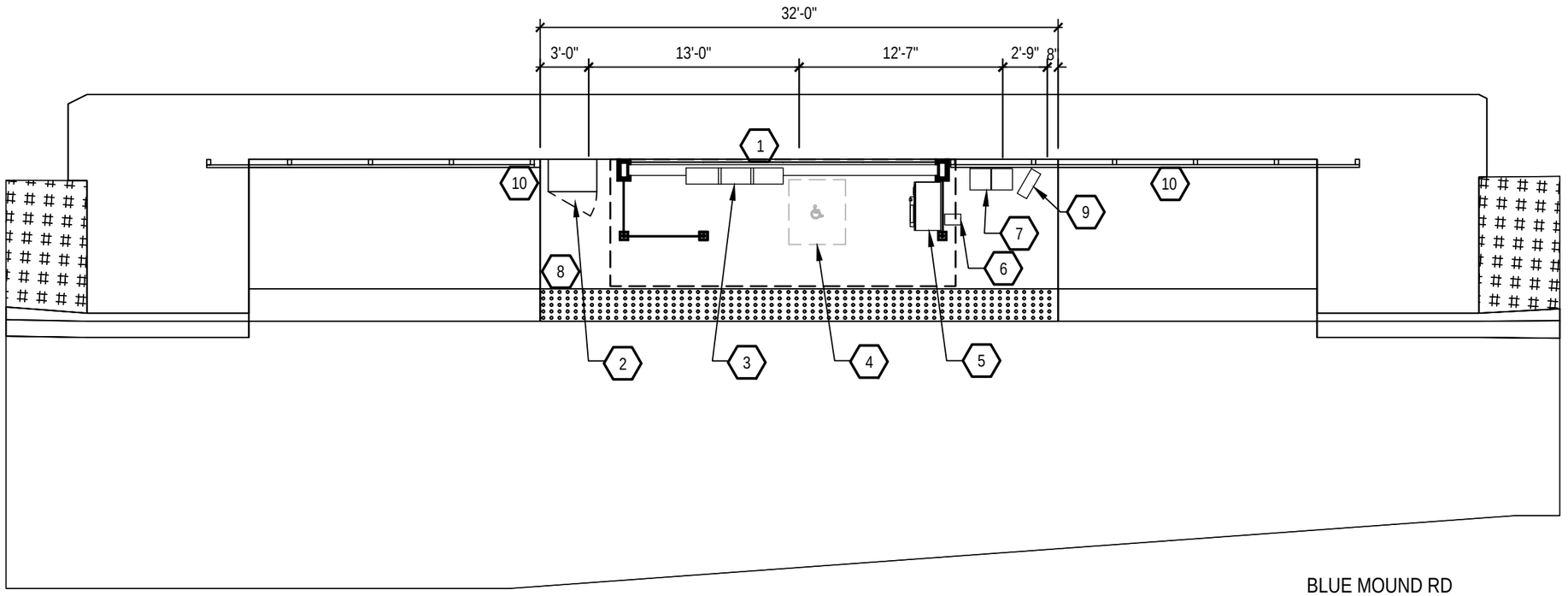
KEYNOTES:

1. SHELTER; REFER TO DETAIL SHEETS A-500 THROUGH A-508 FOR ENLARGED PLANS AND ELEVATIONS
2. ELECTRICAL BOX; REFER TO ELECTRICAL DRAWINGS
3. WOOD BENCH
4. 42X48 ACCESSIBLE WHEELCHAIR LOCATION
5. TICKET VENDOR BY OTHERS
6. TICKET VALIDATOR BY OTHERS
7. TRASH AND RECYCLING RECEPTACLES
8. TACTILE WARNING STRIP
9. SIGNAGE PYLON; REFER TO DETAIL SHEET A-508
10. RAILING; REFER TO DETAIL SHEET A-507
11. STAIR WITH HANDRAILS BOTH SIDES; REFER TO DETAIL 5/A-507

N

GENERAL NOTES:

1. DIMENSIONS ARE TO CENTER LINE UNLESS NOTED OTHERWISE.



PROJECT NO:60528491	COUNTY:MILWAUKEE	STATION 11 – BLUEMOUND RD AND 68TH ST WB	STATION AMENITIES PLANS	SHEET

PRE_328

FILE NAME : G:\2016\201617-01 – Aecom – Milwaukee County – BRT Bus Rapid Transit\2–Design Phase\Drawings\Station Amenities Sheets PLOT DATE : 7/3/2019 PLOT BY : JP/EW PLOT NAME : PLOT SCALE : 1/8" = 1'

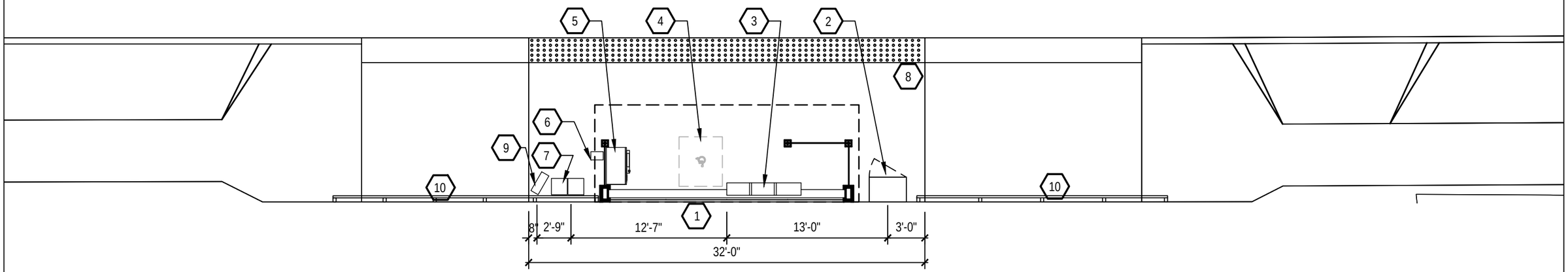
KEYNOTES:

1. SHELTER; REFER TO DETAIL SHEETS A-500 THROUGH A-508 FOR ENLARGED PLANS AND ELEVATIONS
2. ELECTRICAL BOX; REFER TO ELECTRICAL DRAWINGS
3. WOOD BENCH
4. 42X48 ACCESSIBLE WHEELCHAIR LOCATION
5. TICKET VENDOR BY OTHERS
6. TICKET VALIDATOR BY OTHERS
7. TRASH AND RECYCLING RECEPTACLES
8. TACTILE WARNING STRIP
9. SIGNAGE PYLON; REFER TO DETAIL SHEET A-508
10. RAILING; REFER TO DETAIL SHEET A-507
11. STAIR WITH HANDRAILS BOTH SIDES; REFER TO DETAIL 5/A-507

N

GENERAL NOTES:

1. DIMENSIONS ARE TO CENTER LINE UNLESS NOTED OTHERWISE.



PROJECT NO:60528491	COUNTY:MILWAUKEE	STATION 12 – BLUEMOUND RD AND HAWLEY AVE NB	STATION AMENITIES PLANS	SHEET

PRE_329

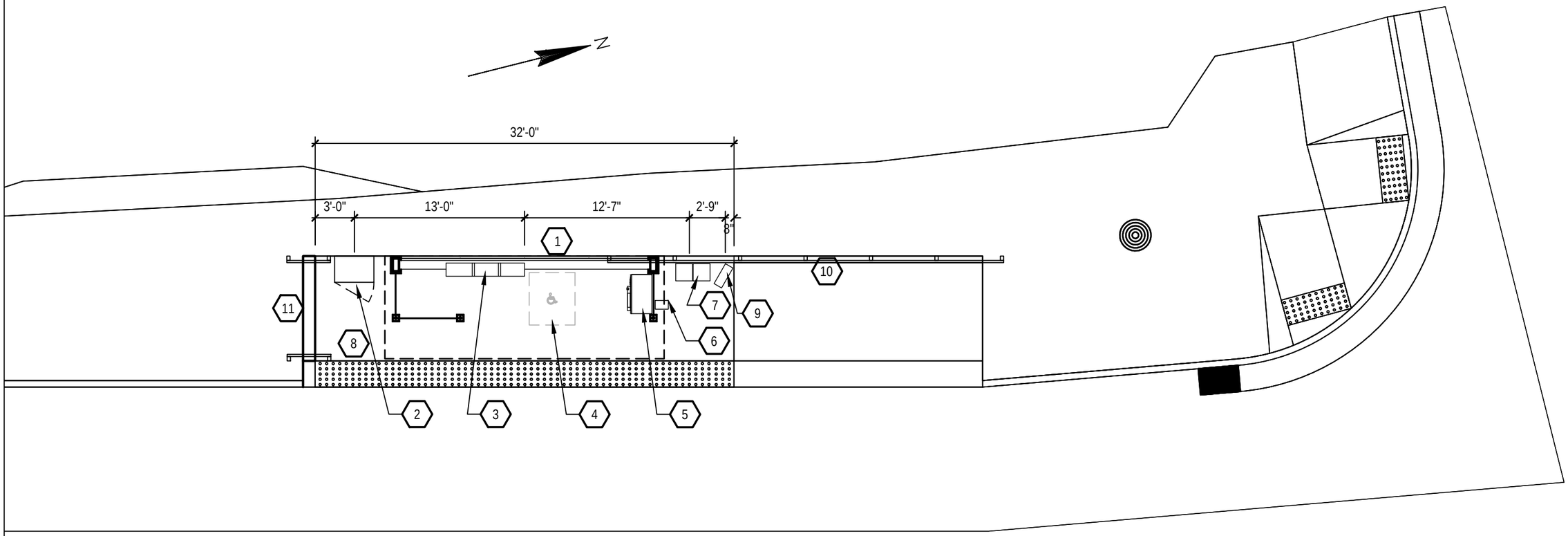
FILE NAME : G:\2016\201617-01 – Aecom – Milwaukee County – BRT Bus Rapid Transit\2-Design Phase\Drawings\Station Amenities Sheets PLOT DATE : 7/3/2019 PLOT BY : JP/EW PLOT NAME : PLOT SCALE : 1/8" = 1'

KEYNOTES:

1. SHELTER; REFER TO DETAIL SHEETS A-500 THROUGH A-508 FOR ENLARGED PLANS AND ELEVATIONS
2. ELECTRICAL BOX; REFER TO ELECTRICAL DRAWINGS
3. WOOD BENCH
4. 42X48 ACCESSIBLE WHEELCHAIR LOCATION
5. TICKET VENDOR BY OTHERS
6. TICKET VALIDATOR BY OTHERS
7. TRASH AND RECYCLING RECEPTACLES
8. TACTILE WARNING STRIP
9. SIGNAGE PYLON; REFER TO DETAIL SHEET A-508
10. RAILING; REFER TO DETAIL SHEET A-507
11. STAIR WITH HANDRAILS BOTH SIDES; REFER TO DETAIL 5/A-507

GENERAL NOTES:

1. DIMENSIONS ARE TO CENTER LINE UNLESS NOTED OTHERWISE.



PROJECT NO:60528491	COUNTY:MILWAUKEE	STATION 13 – BLUEMOUND RD AND HAWLEY AVE SB	STATION AMENITIES PLANS	SHEET

PRE_330

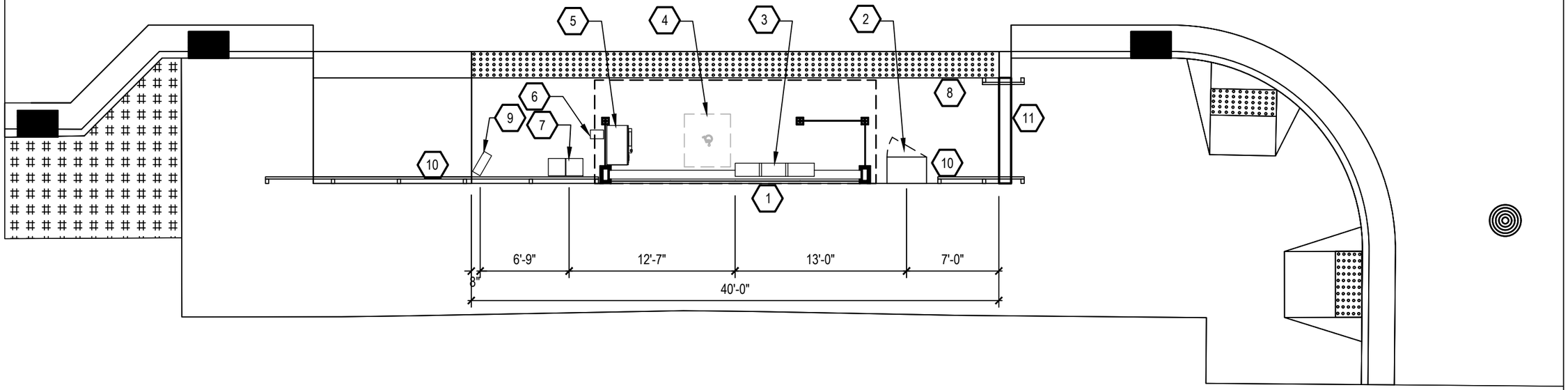
KEYNOTES:

1. SHELTER; REFER TO DETAIL SHEETS A-500 THROUGH A-508 FOR ENLARGED PLANS AND ELEVATIONS
2. ELECTRICAL BOX; REFER TO ELECTRICAL DRAWINGS
3. WOOD BENCH
4. 42X48 ACCESSIBLE WHEELCHAIR LOCATION
5. TICKET VENDOR BY OTHERS
6. TICKET VALIDATOR BY OTHERS
7. TRASH AND RECYCLING RECEPTACLES
8. TACTILE WARNING STRIP
9. SIGNAGE PYLON; REFER TO DETAIL SHEET A-508
10. RAILING; REFER TO DETAIL SHEET A-507
11. STAIR WITH HANDRAILS BOTH SIDES; REFER TO DETAIL 5/A-507

N

GENERAL NOTES:

1. DIMENSIONS ARE TO CENTER LINE UNLESS NOTED OTHERWISE.



PROJECT NO:60528491	COUNTY:MILWAUKEE	STATION 14 – WISCONSIN AVE AND 53RD ST EB	STATION AMENITIES PLANS	SHEET

PRE_331

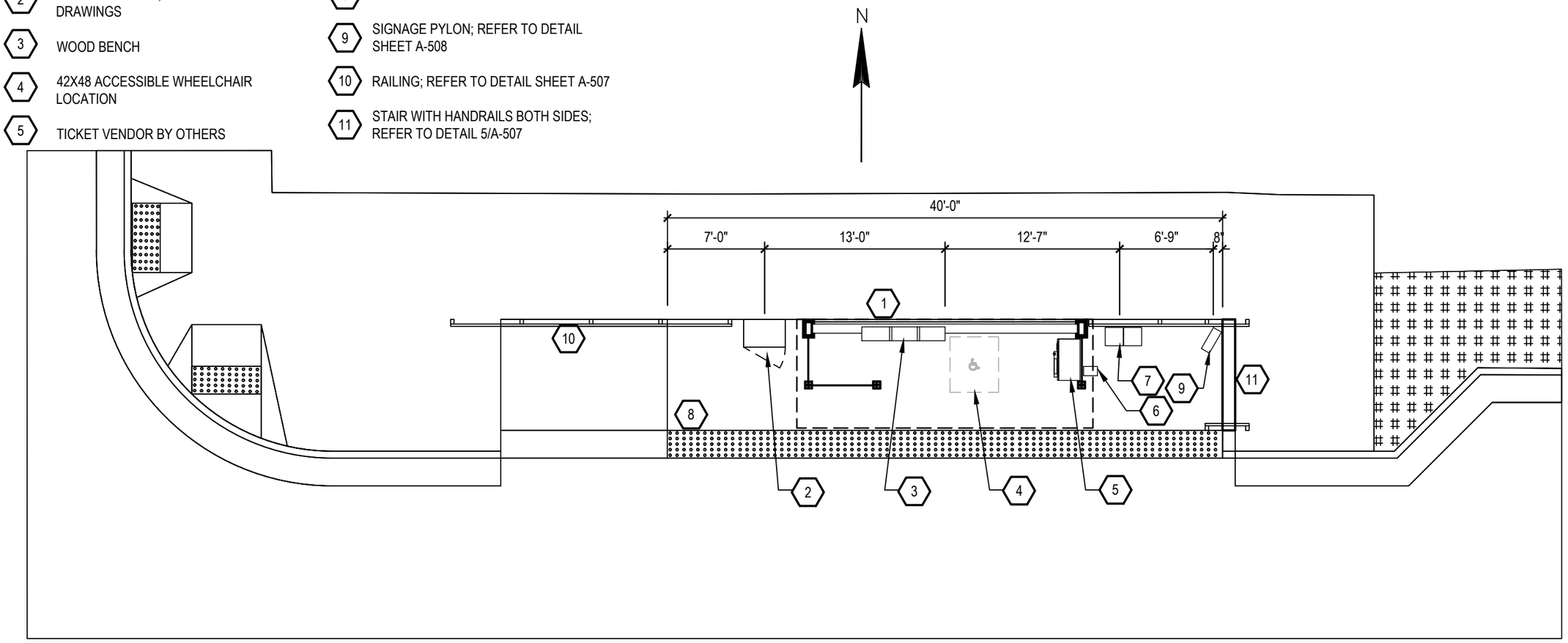
FILE NAME : G:\2016\201617-01 – Aecom – Milwaukee County – BRT Bus Rapid Transit\2-Design Phase\Drawings\Station Amenities Sheets PLOT DATE : 7/3/2019 PLOT BY : JP/EW PLOT NAME : PLOT SCALE : 1/8" = 1'

KEYNOTES:

1. SHELTER; REFER TO DETAIL SHEETS A-500 THROUGH A-508 FOR ENLARGED PLANS AND ELEVATIONS
2. ELECTRICAL BOX; REFER TO ELECTRICAL DRAWINGS
3. WOOD BENCH
4. 42X48 ACCESSIBLE WHEELCHAIR LOCATION
5. TICKET VENDOR BY OTHERS
6. TICKET VALIDATOR BY OTHERS
7. TRASH AND RECYCLING RECEPTACLES
8. TACTILE WARNING STRIP
9. SIGNAGE PYLON; REFER TO DETAIL SHEET A-508
10. RAILING; REFER TO DETAIL SHEET A-507
11. STAIR WITH HANDRAILS BOTH SIDES; REFER TO DETAIL 5/A-507

GENERAL NOTES:

1. DIMENSIONS ARE TO CENTER LINE UNLESS NOTED OTHERWISE.



PROJECT NO:60528491	COUNTY:MILWAUKEE	STATION 15 – WISCONSIN AVE AND 53RD ST WB	STATION AMENITIES PLANS	SHEET

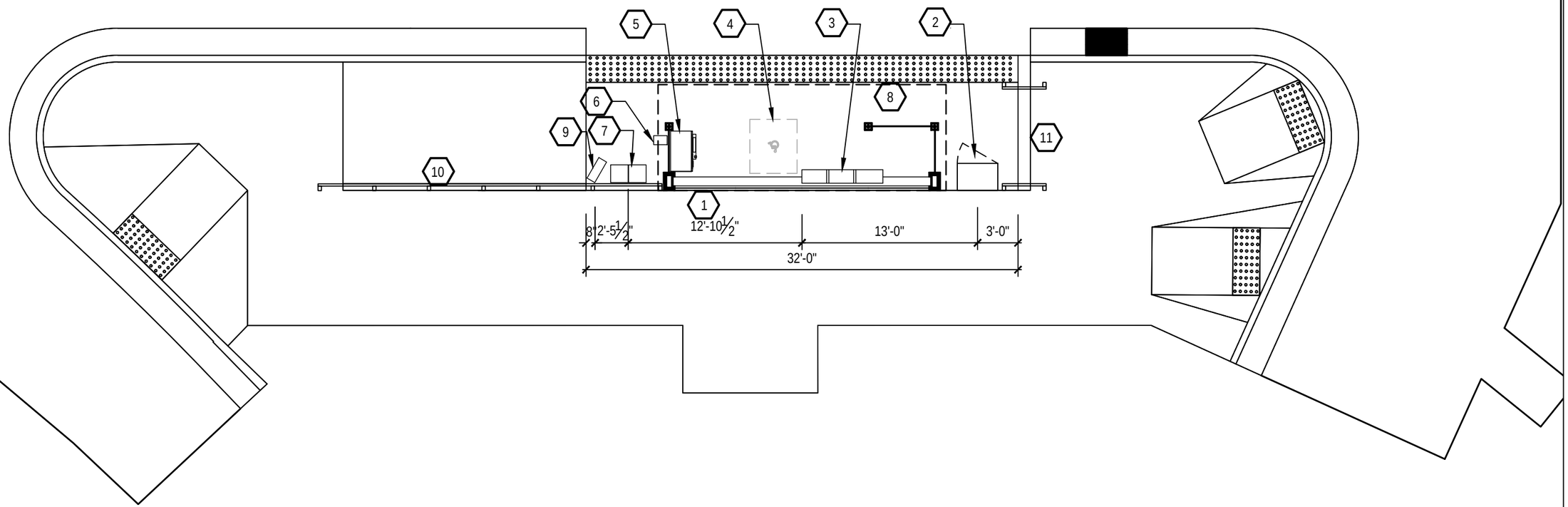
PRE_332

KEYNOTES:

1. SHELTER; REFER TO DETAIL SHEETS A-500 THROUGH A-508 FOR ENLARGED PLANS AND ELEVATIONS
2. ELECTRICAL BOX; REFER TO ELECTRICAL DRAWINGS
3. WOOD BENCH
4. 42X48 ACCESSIBLE WHEELCHAIR LOCATION
5. TICKET VENDOR BY OTHERS
6. TICKET VALIDATOR BY OTHERS
7. TRASH AND RECYCLING RECEPTACLES
8. TACTILE WARNING STRIP
9. SIGNAGE PYLON; REFER TO DETAIL SHEET A-508
10. RAILING; REFER TO DETAIL SHEET A-507
11. STAIR WITH HANDRAILS BOTH SIDES; REFER TO DETAIL 5/A-507

GENERAL NOTES:

1. DIMENSIONS ARE TO CENTER LINE UNLESS NOTED OTHERWISE.



PROJECT NO:60528491	COUNTY:MILWAUKEE	STATION 16 – WISCONSIN AVE AND 45TH ST EB	STATION AMENITIES PLANS	SHEET

PRE_333

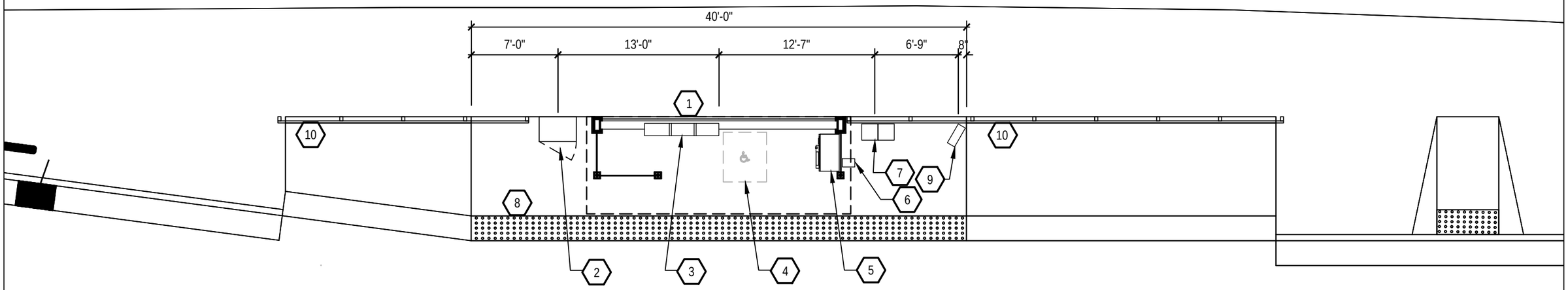
KEYNOTES:

1. SHELTER; REFER TO DETAIL SHEETS A-500 THROUGH A-508 FOR ENLARGED PLANS AND ELEVATIONS
2. ELECTRICAL BOX; REFER TO ELECTRICAL DRAWINGS
3. WOOD BENCH
4. 42X48 ACCESSIBLE WHEELCHAIR LOCATION
5. TICKET VENDOR BY OTHERS
6. TICKET VALIDATOR BY OTHERS
7. TRASH AND RECYCLING RECEPTACLES
8. TACTILE WARNING STRIP
9. SIGNAGE PYLON; REFER TO DETAIL SHEET A-508
10. RAILING; REFER TO DETAIL SHEET A-507
11. STAIR WITH HANDRAILS BOTH SIDES; REFER TO DETAIL 5/A-507

GENERAL NOTES:

1. DIMENSIONS ARE TO CENTER LINE UNLESS NOTED OTHERWISE.

N



PROJECT NO:60528491	COUNTY:MILWAUKEE	STATION 17 – WISCONSIN AVE AND 45TH ST WB	STATION AMENITIES PLANS	SHEET

PRE_334

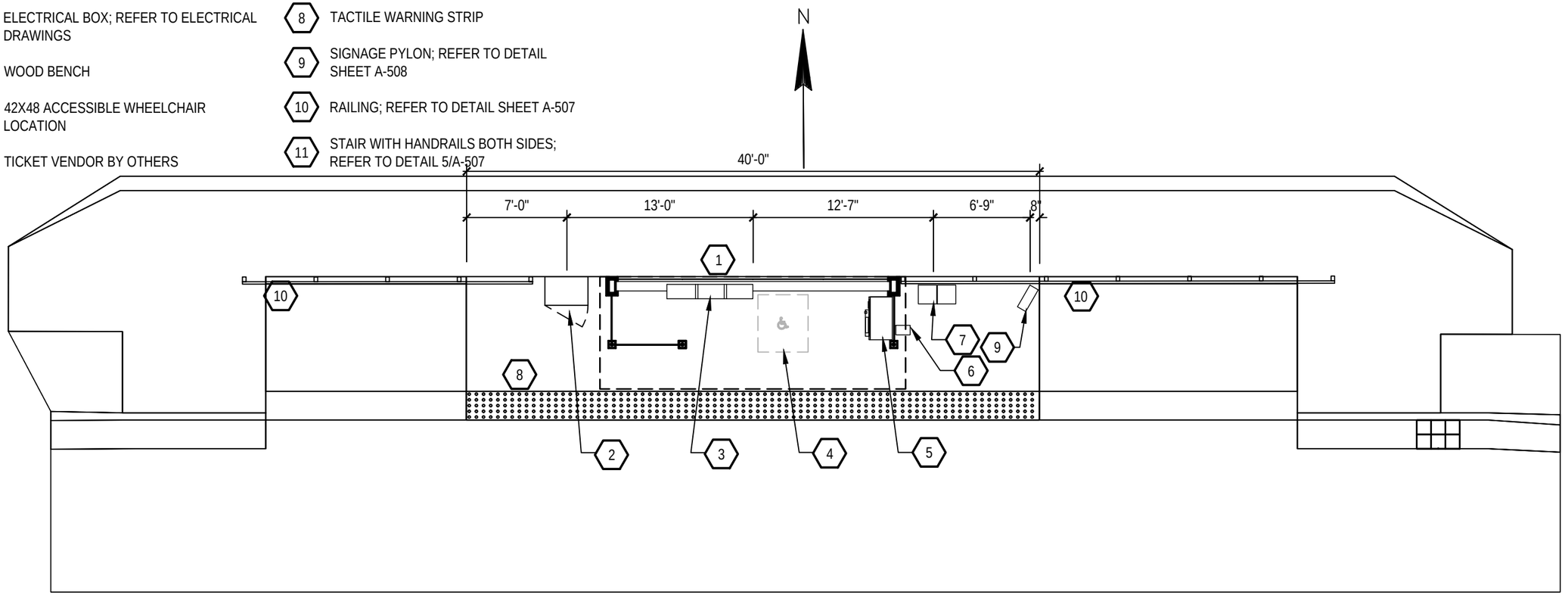
FILE NAME : G:\2016\201617-01 – Aecom – Milwaukee County – BRT Bus Rapid Transit\2–Design Phase\Drawings\Station Amenities Sheets PLOT DATE : 7/3/2019 PLOT BY : JP/EW PLOT NAME : PLOT SCALE : 1/8" = 1'

KEYNOTES:

1. SHELTER; REFER TO DETAIL SHEETS A-500 THROUGH A-508 FOR ENLARGED PLANS AND ELEVATIONS
2. ELECTRICAL BOX; REFER TO ELECTRICAL DRAWINGS
3. WOOD BENCH
4. 42X48 ACCESSIBLE WHEELCHAIR LOCATION
5. TICKET VENDOR BY OTHERS
6. TICKET VALIDATOR BY OTHERS
7. TRASH AND RECYCLING RECEPTACLES
8. TACTILE WARNING STRIP
9. SIGNAGE PYLON; REFER TO DETAIL SHEET A-508
10. RAILING; REFER TO DETAIL SHEET A-507
11. STAIR WITH HANDRAILS BOTH SIDES; REFER TO DETAIL 5/A-507

GENERAL NOTES:

1. DIMENSIONS ARE TO CENTER LINE UNLESS NOTED OTHERWISE.



PROJECT NO:60528491	COUNTY:MILWAUKEE	STATION 18 – WISCONSIN AVE AND 35TH ST WB	STATION AMENITIES PLANS	SHEET

PRE_335

FILE NAME : G:\2016\201617-01 – Aecom – Milwaukee County – BRT Bus Rapid Transit\2-Design Phase\Drawings\Station Amenities Sheets PLOT DATE : 7/3/2019 PLOT BY : JP/EW PLOT NAME : PLOT SCALE : 1/8" = 1'

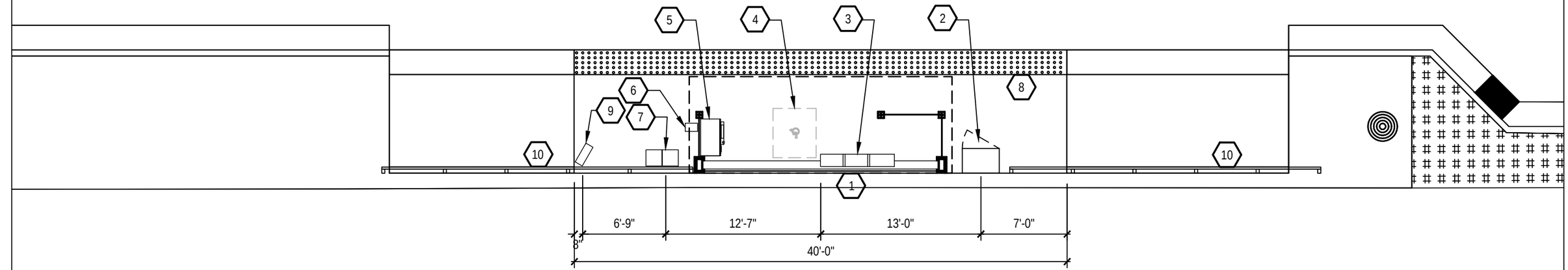
KEYNOTES:

1. SHELTER; REFER TO DETAIL SHEETS A-500 THROUGH A-508 FOR ENLARGED PLANS AND ELEVATIONS
2. ELECTRICAL BOX; REFER TO ELECTRICAL DRAWINGS
3. WOOD BENCH
4. 42X48 ACCESSIBLE WHEELCHAIR LOCATION
5. TICKET VENDOR BY OTHERS
6. TICKET VALIDATOR BY OTHERS
7. TRASH AND RECYCLING RECEPTACLES
8. TACTILE WARNING STRIP
9. SIGNAGE PYLON; REFER TO DETAIL SHEET A-508
10. RAILING; REFER TO DETAIL SHEET A-507
11. STAIR WITH HANDRAILS BOTH SIDES; REFER TO DETAIL 5/A-507

N

GENERAL NOTES:

1. DIMENSIONS ARE TO CENTER LINE UNLESS NOTED OTHERWISE.



PROJECT NO:60528491	COUNTY:MILWAUKEE	STATION 19 – WISCONSIN AVE AND 35TH ST EB	STATION AMENITIES PLANS	SHEET

PRE_336

FILE NAME : G:\2016\201617-01 – Aecom – Milwaukee County – BRT Bus Rapid Transit\2-Design Phase\Drawings\Station Amenities Sheets PLOT DATE : 7/3/2019 PLOT BY : JP/EW PLOT NAME : PLOT SCALE : 1/8" = 1'

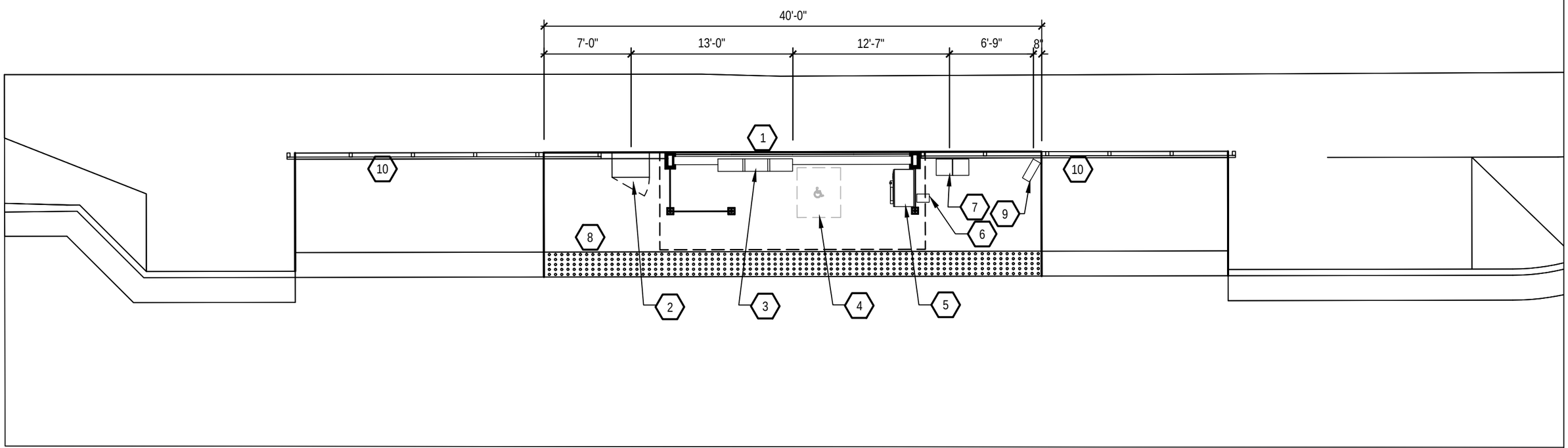
KEYNOTES:

1. SHELTER; REFER TO DETAIL SHEETS A-500 THROUGH A-508 FOR ENLARGED PLANS AND ELEVATIONS
2. ELECTRICAL BOX; REFER TO ELECTRICAL DRAWINGS
3. WOOD BENCH
4. 42X48 ACCESSIBLE WHEELCHAIR LOCATION
5. TICKET VENDOR BY OTHERS
6. TICKET VALIDATOR BY OTHERS
7. TRASH AND RECYCLING RECEPTACLES
8. TACTILE WARNING STRIP
9. SIGNAGE PYLON; REFER TO DETAIL SHEET A-508
10. RAILING; REFER TO DETAIL SHEET A-507
11. STAIR WITH HANDRAILS BOTH SIDES; REFER TO DETAIL 5/A-507

GENERAL NOTES:

1. DIMENSIONS ARE TO CENTER LINE UNLESS NOTED OTHERWISE.

N



PROJECT NO:60528491	COUNTY:MILWAUKEE	STATION 20 – WISCONSIN AVE AND 27TH ST WB	STATION AMENITIES PLANS	SHEET

PRE_337

FILE NAME : G:\2016\201617-01 – Aecom – Milwaukee County – BRT Bus Rapid Transit\2-Design Phase\Drawings\Station Amenities Sheets PLOT DATE : 7/3/2019 PLOT BY : JP/EW PLOT NAME : PLOT SCALE : 1/8" = 1'

WISDOT/CADDS SHEET 42

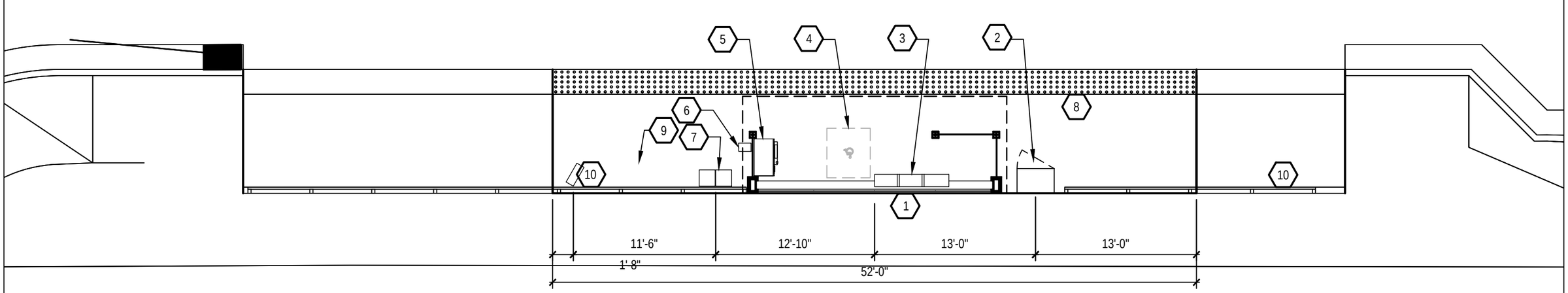
KEYNOTES:

1. SHELTER; REFER TO DETAIL SHEETS A-500 THROUGH A-508 FOR ENLARGED PLANS AND ELEVATIONS
2. ELECTRICAL BOX; REFER TO ELECTRICAL DRAWINGS
3. WOOD BENCH
4. 42X48 ACCESSIBLE WHEELCHAIR LOCATION
5. TICKET VENDOR BY OTHERS
6. TICKET VALIDATOR BY OTHERS
7. TRASH AND RECYCLING RECEPTACLES
8. TACTILE WARNING STRIP
9. SIGNAGE PYLON; REFER TO DETAIL SHEET A-508
10. RAILING; REFER TO DETAIL SHEET A-507
11. STAIR WITH HANDRAILS BOTH SIDES; REFER TO DETAIL 5/A-507

GENERAL NOTES:

1. DIMENSIONS ARE TO CENTER LINE UNLESS NOTED OTHERWISE.

N



PROJECT NO:60528491	COUNTY:MILWAUKEE	STATION 21 – WISCONSIN AVE AND 27TH ST EB	STATION AMENITIES PLANS	SHEET

PRE_338

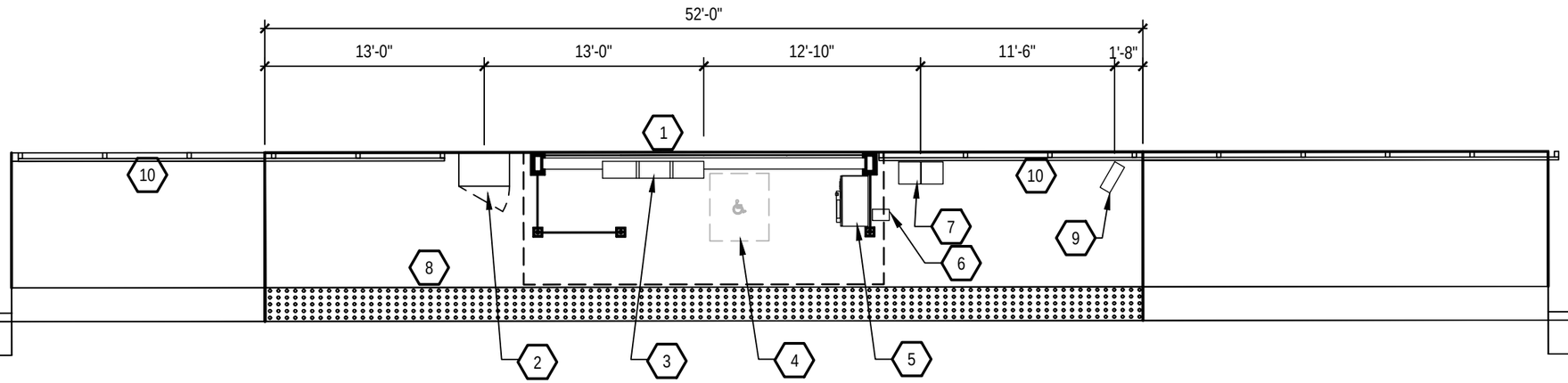
KEYNOTES:

1. SHELTER; REFER TO DETAIL SHEETS A-500 THROUGH A-508 FOR ENLARGED PLANS AND ELEVATIONS
2. ELECTRICAL BOX; REFER TO ELECTRICAL DRAWINGS
3. WOOD BENCH
4. 42X48 ACCESSIBLE WHEELCHAIR LOCATION
5. TICKET VENDOR BY OTHERS
6. TICKET VALIDATOR BY OTHERS
7. TRASH AND RECYCLING RECEPTACLES
8. TACTILE WARNING STRIP
9. SIGNAGE PYLON; REFER TO DETAIL SHEET A-508
10. RAILING; REFER TO DETAIL SHEET A-507
11. STAIR WITH HANDRAILS BOTH SIDES; REFER TO DETAIL 5/A-507

N

GENERAL NOTES:

1. DIMENSIONS ARE TO CENTER LINE UNLESS NOTED OTHERWISE.



PROJECT NO:60528491	COUNTY:MILWAUKEE	STATION 22 – WISCONSIN AVE AND 16TH ST WB	STATION AMENITIES PLANS	SHEET

PRE_339

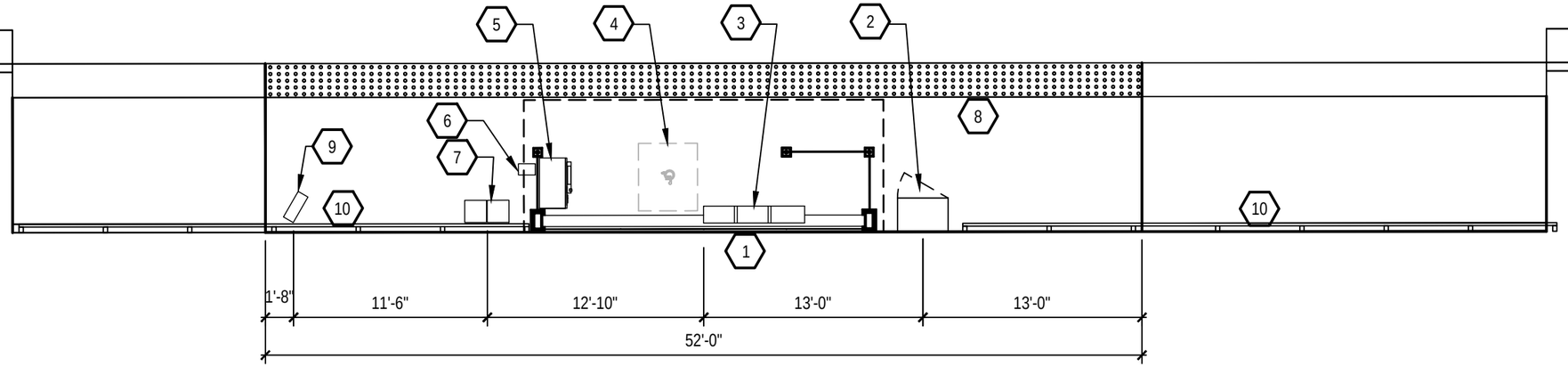
N

KEYNOTES:

1. SHELTER; REFER TO DETAIL SHEETS A-500 THROUGH A-508 FOR ENLARGED PLANS AND ELEVATIONS
2. ELECTRICAL BOX; REFER TO ELECTRICAL DRAWINGS
3. WOOD BENCH
4. 42X48 ACCESSIBLE WHEELCHAIR LOCATION
5. TICKET VENDOR BY OTHERS
6. TICKET VALIDATOR BY OTHERS
7. TRASH AND RECYCLING RECEPTACLES
8. TACTILE WARNING STRIP
9. SIGNAGE PYLON; REFER TO DETAIL SHEET A-508
10. RAILING; REFER TO DETAIL SHEET A-507
11. STAIR WITH HANDRAILS BOTH SIDES; REFER TO DETAIL 5/A-507

GENERAL NOTES:

1. DIMENSIONS ARE TO CENTER LINE UNLESS NOTED OTHERWISE.



PROJECT NO:60528491	COUNTY:MILWAUKEE	STATION 23 – WISCONSIN AVE AND 16TH ST EB	STATION AMENITIES PLANS	SHEET

PRE_340

FILE NAME : G:\2016\201617-01 – Aecom – Milwaukee County – BRT Bus Rapid Transit\2-Design Phase\Drawings\Station Amenities Sheets PLOT DATE : 7/3/2019 PLOT BY : JP/EW PLOT NAME : PLOT SCALE : 1/8" = 1'

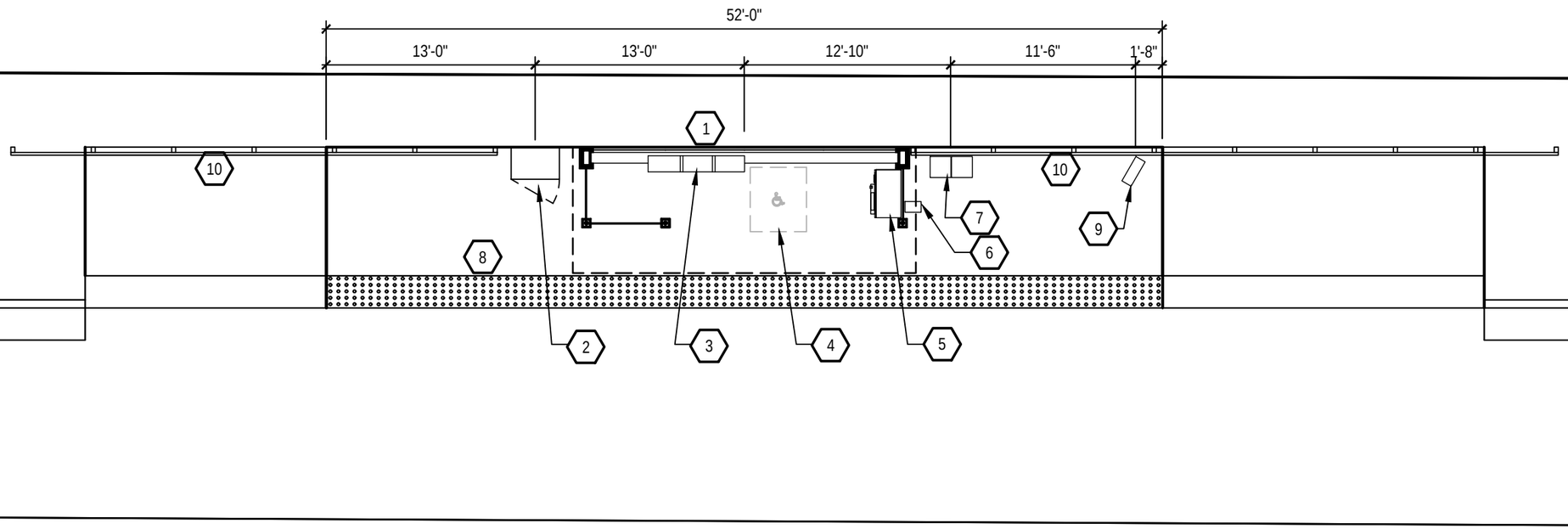
KEYNOTES:

1. SHELTER; REFER TO DETAIL SHEETS A-500 THROUGH A-508 FOR ENLARGED PLANS AND ELEVATIONS
2. ELECTRICAL BOX; REFER TO ELECTRICAL DRAWINGS
3. WOOD BENCH
4. 42X48 ACCESSIBLE WHEELCHAIR LOCATION
5. TICKET VENDOR BY OTHERS
6. TICKET VALIDATOR BY OTHERS
7. TRASH AND RECYCLING RECEPTACLES
8. TACTILE WARNING STRIP
9. SIGNAGE PYLON; REFER TO DETAIL SHEET A-508
10. RAILING; REFER TO DETAIL SHEET A-507
11. STAIR WITH HANDRAILS BOTH SIDES; REFER TO DETAIL 5/A-507

GENERAL NOTES:

1. DIMENSIONS ARE TO CENTER LINE UNLESS NOTED OTHERWISE.

N



PROJECT NO:60528491	COUNTY:MILWAUKEE	STATION 24 – WISCONSIN AVE AND 12TH ST WB	STATION AMENITIES PLANS	SHEET

PRE_341

FILE NAME : G:\2016\201617-01 – Aecom – Milwaukee County – BRT Bus Rapid Transit\2-Design Phase\Drawings\Station Amenities Sheets PLOT DATE : 7/3/2019 PLOT BY : JP/EW PLOT NAME : PLOT SCALE : 1/8" = 1'

WISDOT/CADDS SHEET 42

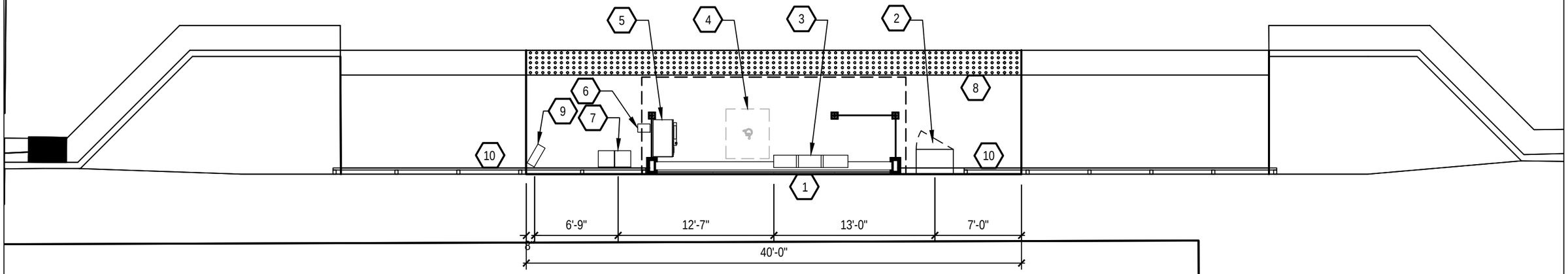
KEYNOTES:

1. SHELTER; REFER TO DETAIL SHEETS A-500 THROUGH A-508 FOR ENLARGED PLANS AND ELEVATIONS
2. ELECTRICAL BOX; REFER TO ELECTRICAL DRAWINGS
3. WOOD BENCH
4. 42X48 ACCESSIBLE WHEELCHAIR LOCATION
5. TICKET VENDOR BY OTHERS
6. TICKET VALIDATOR BY OTHERS
7. TRASH AND RECYCLING RECEPTACLES
8. TACTILE WARNING STRIP
9. SIGNAGE PYLON; REFER TO DETAIL SHEET A-508
10. RAILING; REFER TO DETAIL SHEET A-507
11. STAIR WITH HANDRAILS BOTH SIDES; REFER TO DETAIL 5/A-507

N

GENERAL NOTES:

1. DIMENSIONS ARE TO CENTER LINE UNLESS NOTED OTHERWISE.



PROJECT NO:60528491	COUNTY:MILWAUKEE	STATION 25 – WISCONSIN AVE AND 12TH ST EB	STATION AMENITIES PLANS	SHEET

PRE_342

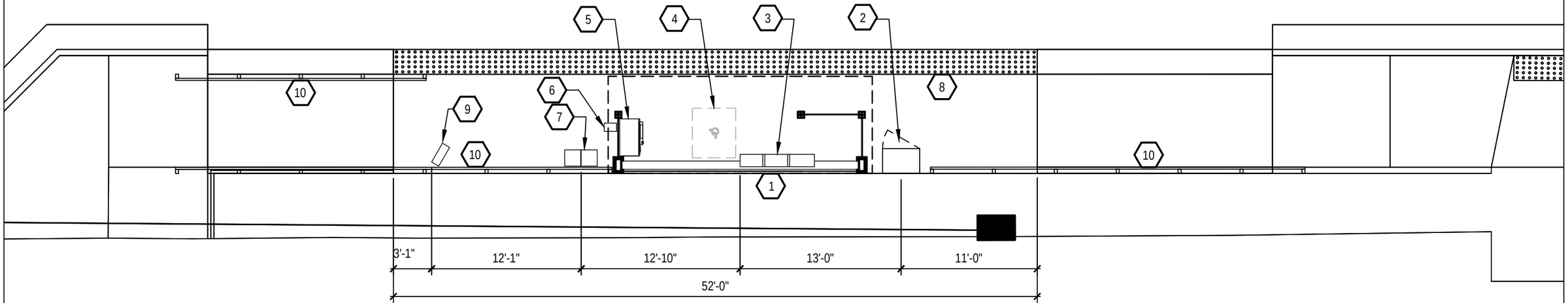
KEYNOTES:

1. SHELTER; REFER TO DETAIL SHEETS A-500 THROUGH A-508 FOR ENLARGED PLANS AND ELEVATIONS
2. ELECTRICAL BOX; REFER TO ELECTRICAL DRAWINGS
3. WOOD BENCH
4. 42X48 ACCESSIBLE WHEELCHAIR LOCATION
5. TICKET VENDOR BY OTHERS
6. TICKET VALIDATOR BY OTHERS
7. TRASH AND RECYCLING RECEPTACLES
8. TACTILE WARNING STRIP
9. SIGNAGE PYLON; REFER TO DETAIL SHEET A-508
10. RAILING; REFER TO DETAIL SHEET A-507
11. STAIR WITH HANDRAILS BOTH SIDES; REFER TO DETAIL 5/A-507

GENERAL NOTES:

1. DIMENSIONS ARE TO CENTER LINE UNLESS NOTED OTHERWISE.

N



PROJECT NO:60528491	COUNTY:MILWAUKEE	STATION 26 – WISCONSIN AVE AND 9TH ST EB	STATION AMENITIES PLANS	SHEET

PRE_343

FILE NAME : G:\2016\201617-01 – Aecom – Milwaukee County – BRT Bus Rapid Transit\2–Design Phase\Drawings\Station Amenities Sheets PLOT DATE : 7/3/2019 PLOT BY : JP/EW PLOT NAME : PLOT SCALE : 1/8" = 1'

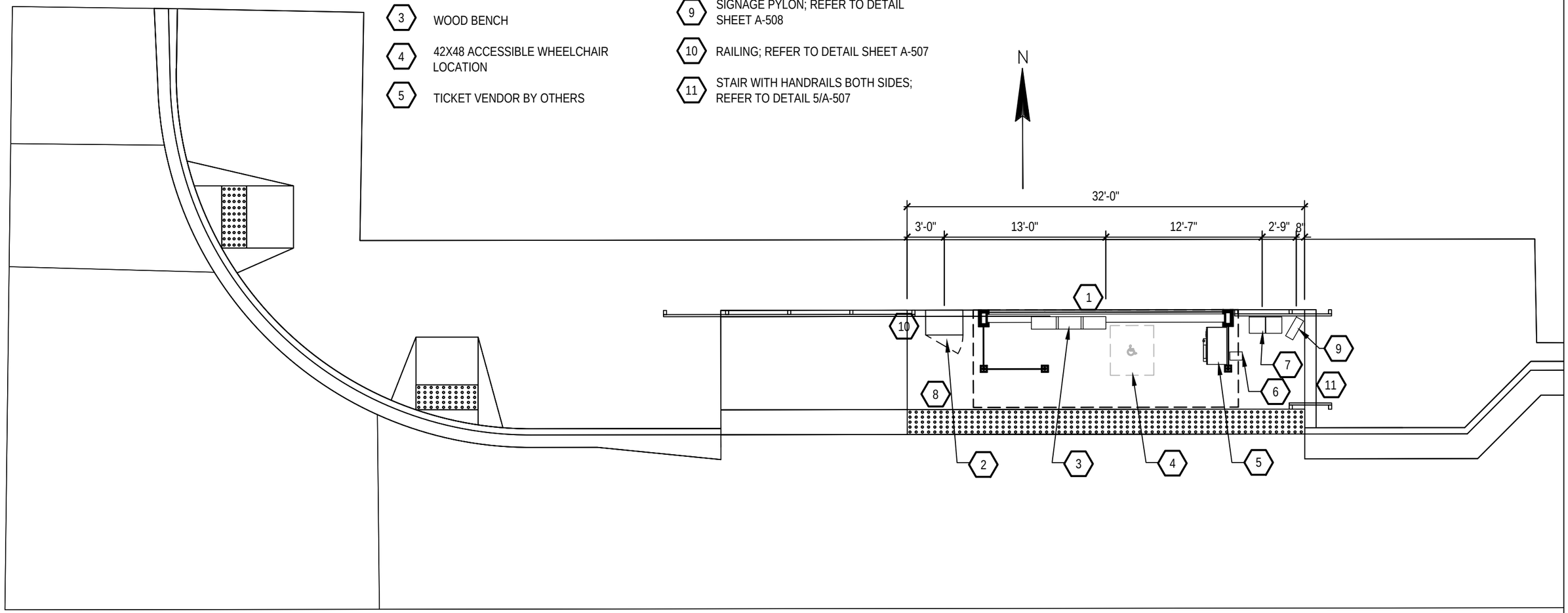
WISDOT/CADDS SHEET 42

KEYNOTES:

1. SHELTER; REFER TO DETAIL SHEETS A-500 THROUGH A-508 FOR ENLARGED PLANS AND ELEVATIONS
2. ELECTRICAL BOX; REFER TO ELECTRICAL DRAWINGS
3. WOOD BENCH
4. 42X48 ACCESSIBLE WHEELCHAIR LOCATION
5. TICKET VENDOR BY OTHERS
6. TICKET VALIDATOR BY OTHERS
7. TRASH AND RECYCLING RECEPTACLES
8. TACTILE WARNING STRIP
9. SIGNAGE PYLON; REFER TO DETAIL SHEET A-508
10. RAILING; REFER TO DETAIL SHEET A-507
11. STAIR WITH HANDRAILS BOTH SIDES; REFER TO DETAIL 5/A-507

GENERAL NOTES:

1. DIMENSIONS ARE TO CENTER LINE UNLESS NOTED OTHERWISE.



PROJECT NO:60528491	COUNTY:MILWAUKEE	STATION 27 – WISCONSIN AVE AND 9TH ST WB	STATION AMENITIES PLANS	SHEET

PRE_344

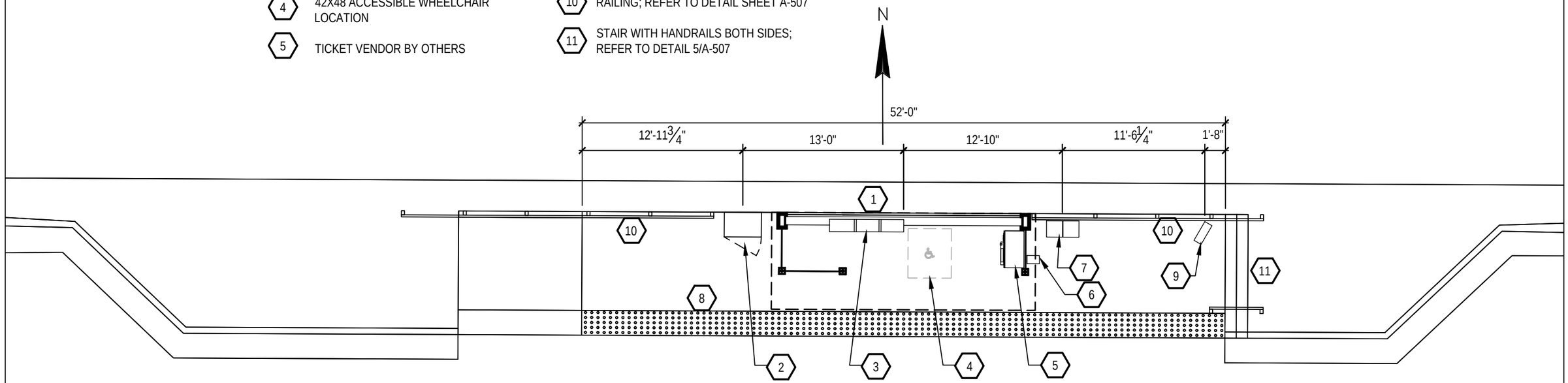
FILE NAME : G:\2016\201617-01 – Aecom – Milwaukee County – BRT Bus Rapid Transit\2-Design Phase\Drawings\Station Amenities Sheets PLOT DATE : 7/3/2019 PLOT BY : JP/EW PLOT NAME : PLOT SCALE : 1/8" = 1'

KEYNOTES:

1. SHELTER; REFER TO DETAIL SHEETS A-500 THROUGH A-508 FOR ENLARGED PLANS AND ELEVATIONS
2. ELECTRICAL BOX; REFER TO ELECTRICAL DRAWINGS
3. WOOD BENCH
4. 42X48 ACCESSIBLE WHEELCHAIR LOCATION
5. TICKET VENDOR BY OTHERS
6. TICKET VALIDATOR BY OTHERS
7. TRASH AND RECYCLING RECEPTACLES
8. TACTILE WARNING STRIP
9. SIGNAGE PYLON; REFER TO DETAIL SHEET A-508
10. RAILING; REFER TO DETAIL SHEET A-507
11. STAIR WITH HANDRAILS BOTH SIDES; REFER TO DETAIL 5/A-507

GENERAL NOTES:

1. DIMENSIONS ARE TO CENTER LINE UNLESS NOTED OTHERWISE.



PROJECT NO:60528491	COUNTY:MILWAUKEE	STATION 28 – WISCONSIN AVE AND 5TH ST WB	STATION AMENITIES PLANS	SHEET

PRE_345

FILE NAME : G:\2016\201617-01 – Aecom – Milwaukee County – BRT Bus Rapid Transit\2-Design Phase\Drawings\Station Amenities Sheets PLOT DATE : 7/3/2019 PLOT BY : JP/EW PLOT NAME : PLOT SCALE : 1/8" = 1'

WISDOT/CADDS SHEET 42

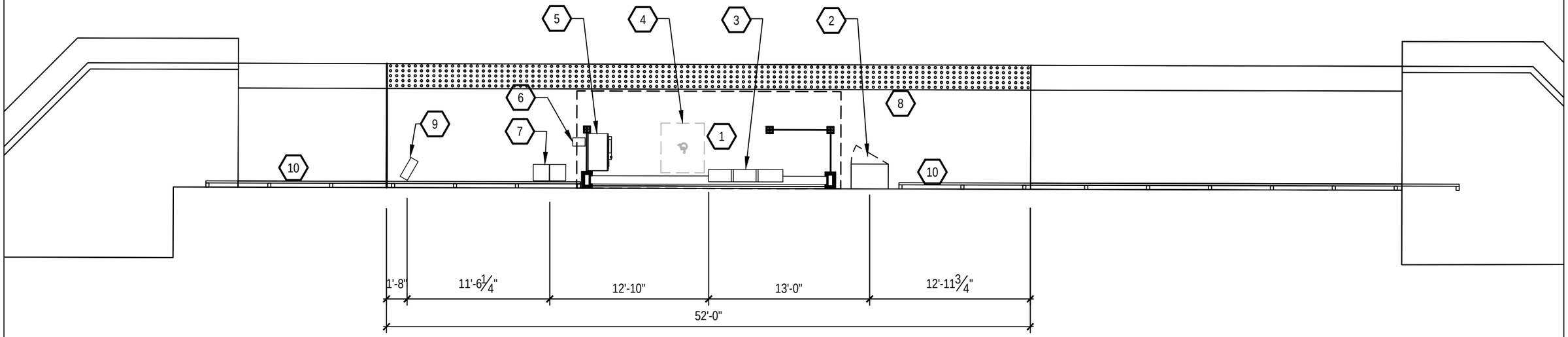
KEYNOTES:

1. SHELTER; REFER TO DETAIL SHEETS A-500 THROUGH A-508 FOR ENLARGED PLANS AND ELEVATIONS
2. ELECTRICAL BOX; REFER TO ELECTRICAL DRAWINGS
3. WOOD BENCH
4. 42X48 ACCESSIBLE WHEELCHAIR LOCATION
5. TICKET VENDOR BY OTHERS
6. TICKET VALIDATOR BY OTHERS
7. TRASH AND RECYCLING RECEPTACLES
8. TACTILE WARNING STRIP
9. SIGNAGE PYLON; REFER TO DETAIL SHEET A-508
10. RAILING; REFER TO DETAIL SHEET A-507
11. STAIR WITH HANDRAILS BOTH SIDES; REFER TO DETAIL 5/A-507

N

GENERAL NOTES:

1. DIMENSIONS ARE TO CENTER LINE UNLESS NOTED OTHERWISE.



PROJECT NO:60528491	COUNTY:MILWAUKEE	STATION 29 – WISCONSIN AVE AND 5TH ST EB	STATION AMENITIES PLANS	SHEET

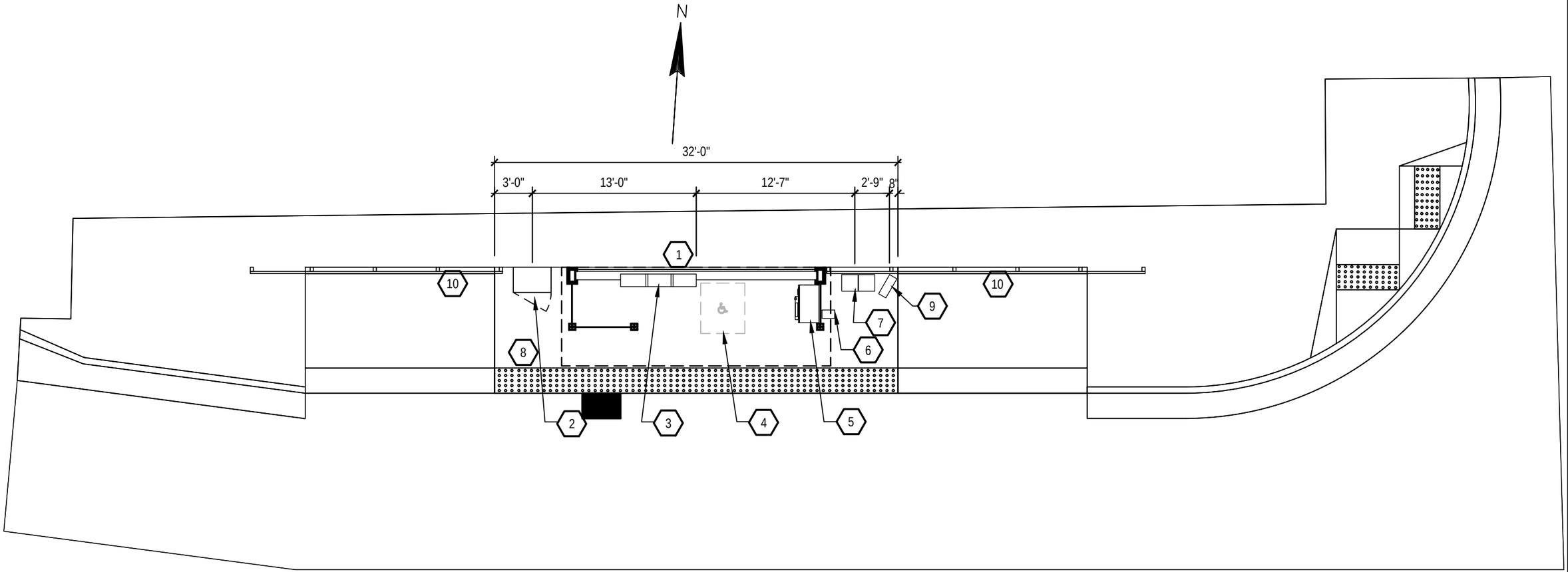
PRE_346

KEYNOTES:

1. SHELTER; REFER TO DETAIL SHEETS A-500 THROUGH A-508 FOR ENLARGED PLANS AND ELEVATIONS
2. ELECTRICAL BOX; REFER TO ELECTRICAL DRAWINGS
3. WOOD BENCH
4. 42X48 ACCESSIBLE WHEELCHAIR LOCATION
5. TICKET VENDOR BY OTHERS
6. TICKET VALIDATOR BY OTHERS
7. TRASH AND RECYCLING RECEPTACLES
8. TACTILE WARNING STRIP
9. SIGNAGE PYLON; REFER TO DETAIL SHEET A-508
10. RAILING; REFER TO DETAIL SHEET A-507
11. STAIR WITH HANDRAILS BOTH SIDES; REFER TO DETAIL 5/A-507

GENERAL NOTES:

1. DIMENSIONS ARE TO CENTER LINE UNLESS NOTED OTHERWISE.



PROJECT NO:60528491	COUNTY:MILWAUKEE	STATION 30 – WISCONSIN AVE AND WATER ST WB	STATION AMENITIES PLANS	SHEET

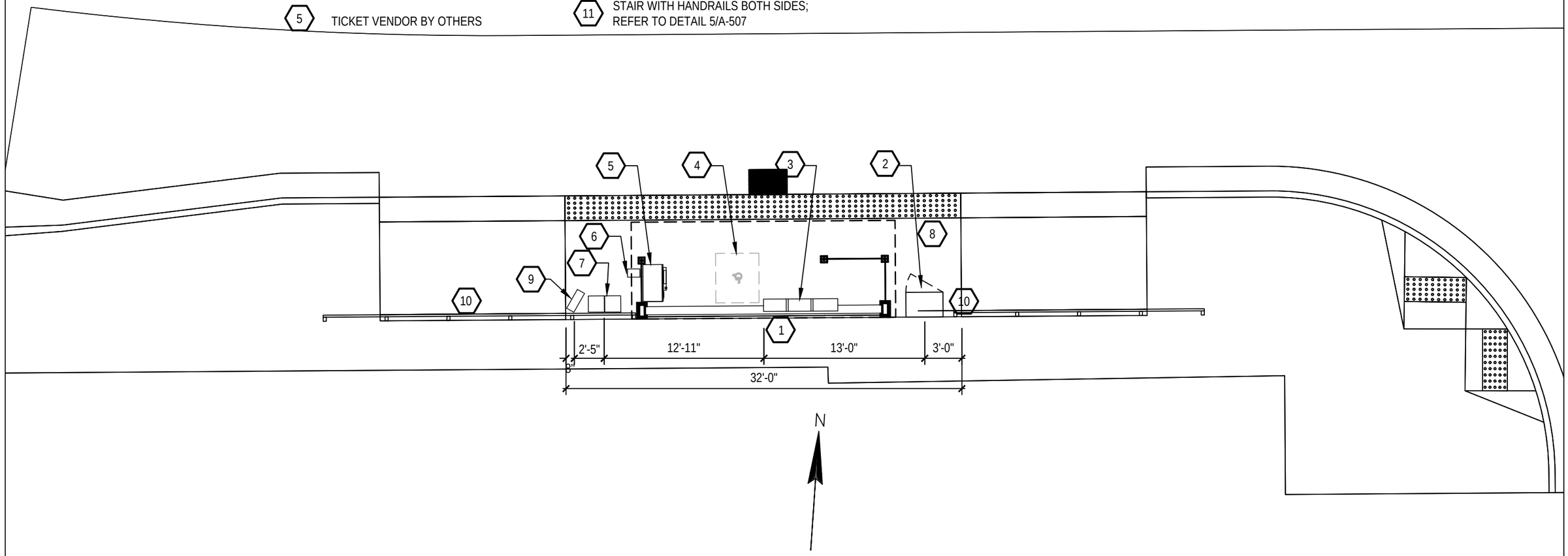
PRE_347

KEYNOTES:

1. SHELTER; REFER TO DETAIL SHEETS A-500 THROUGH A-508 FOR ENLARGED PLANS AND ELEVATIONS
2. ELECTRICAL BOX; REFER TO ELECTRICAL DRAWINGS
3. WOOD BENCH
4. 42X48 ACCESSIBLE WHEELCHAIR LOCATION
5. TICKET VENDOR BY OTHERS
6. TICKET VALIDATOR BY OTHERS
7. TRASH AND RECYCLING RECEPTACLES
8. TACTILE WARNING STRIP
9. SIGNAGE PYLON; REFER TO DETAIL SHEET A-508
10. RAILING; REFER TO DETAIL SHEET A-507
11. STAIR WITH HANDRAILS BOTH SIDES; REFER TO DETAIL 5/A-507

GENERAL NOTES:

1. DIMENSIONS ARE TO CENTER LINE UNLESS NOTED OTHERWISE.



PROJECT NO:60528491	COUNTY:MILWAUKEE	STATION 31 – WISCONSIN AVE AND WATER ST EB	STATION AMENITIES PLANS	SHEET

PRE_348

FILE NAME : G:\2016\201617-01 – Aecom – Milwaukee County – BRT Bus Rapid Transit\2-Design Phase\Drawings\Station Amenities Sheets PLOT DATE : 7/3/2019 PLOT BY : JP/EW PLOT NAME : PLOT SCALE : 1/8" = 1'

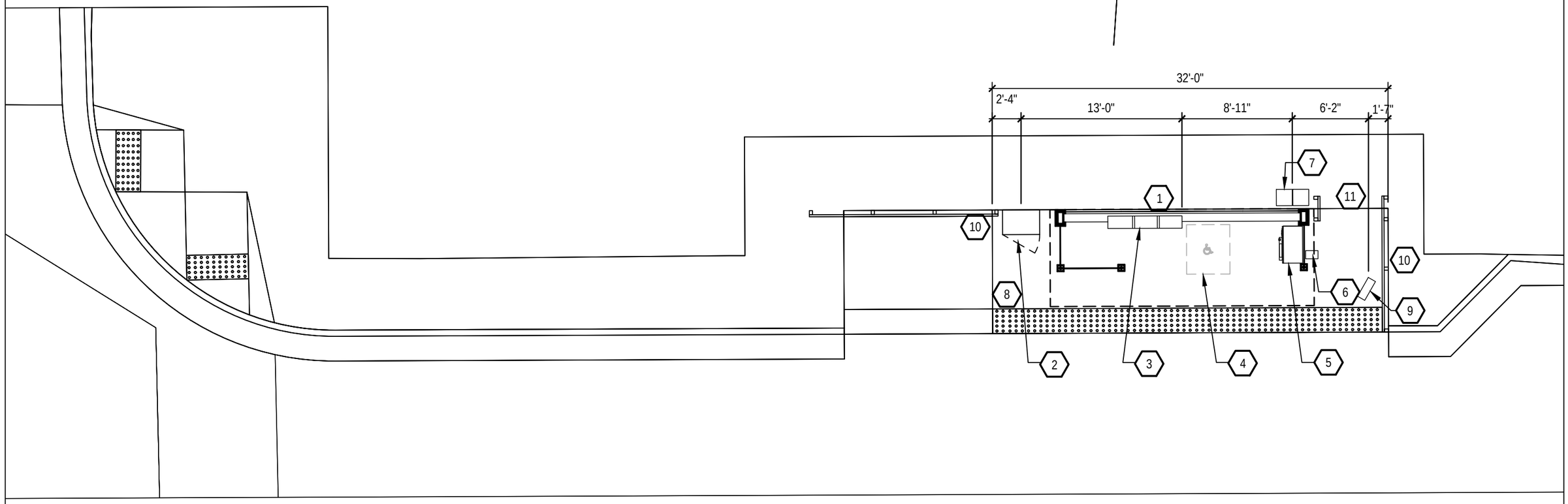
WISDOT/CADDS SHEET 42

KEYNOTES:

1. SHELTER; REFER TO DETAIL SHEETS A-500 THROUGH A-508 FOR ENLARGED PLANS AND ELEVATIONS
2. ELECTRICAL BOX; REFER TO ELECTRICAL DRAWINGS
3. WOOD BENCH
4. 42X48 ACCESSIBLE WHEELCHAIR LOCATION
5. TICKET VENDOR BY OTHERS
6. TICKET VALIDATOR BY OTHERS
7. TRASH AND RECYCLING RECEPTACLES
8. TACTILE WARNING STRIP
9. SIGNAGE PYLON; REFER TO DETAIL SHEET A-508
10. RAILING; REFER TO DETAIL SHEET A-507
11. STAIR WITH HANDRAILS BOTH SIDES; REFER TO DETAIL 5/A-507

GENERAL NOTES:

1. DIMENSIONS ARE TO CENTER LINE UNLESS NOTED OTHERWISE.



PROJECT NO:60528491	COUNTY:MILWAUKEE	STATION 32 – WISCONSIN AVE AND VAN BUREN ST WB	STATION AMENITIES PLANS	SHEET

PRE_349

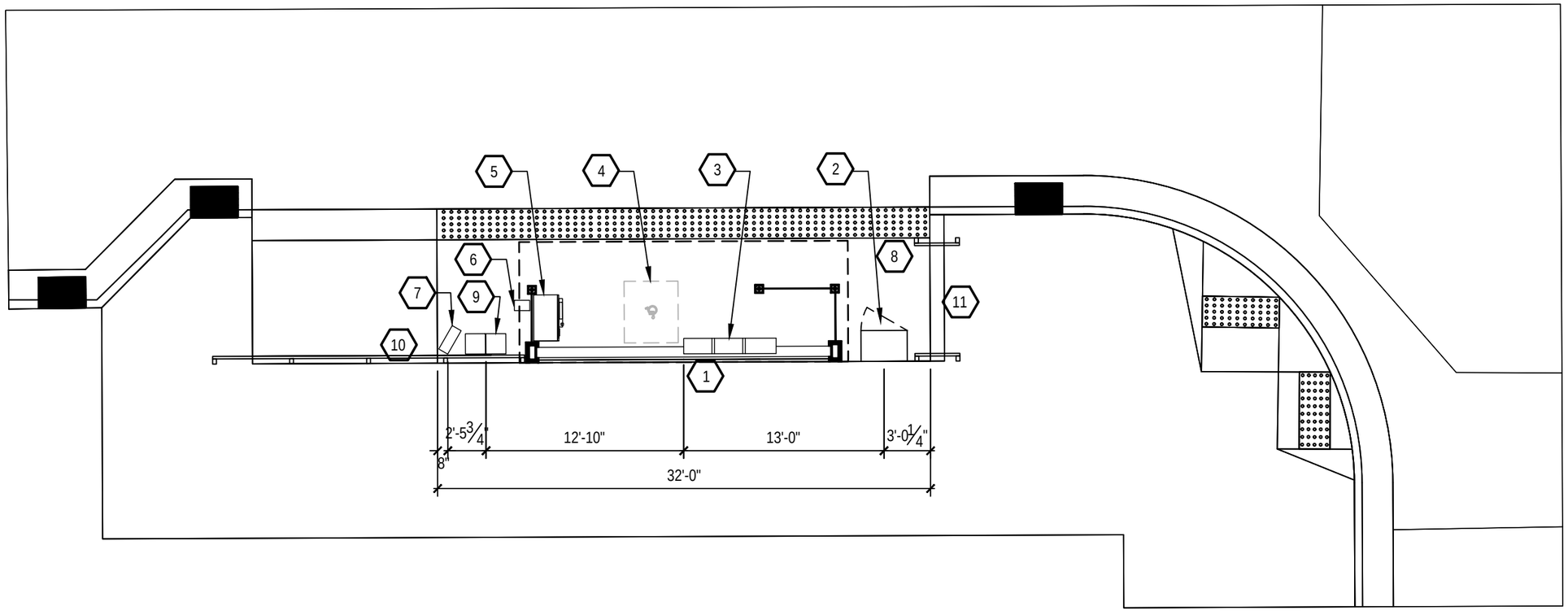
KEYNOTES:

1. SHELTER; REFER TO DETAIL SHEETS A-500 THROUGH A-508 FOR ENLARGED PLANS AND ELEVATIONS
2. ELECTRICAL BOX; REFER TO ELECTRICAL DRAWINGS
3. WOOD BENCH
4. 42X48 ACCESSIBLE WHEELCHAIR LOCATION
5. TICKET VENDOR BY OTHERS
6. TICKET VALIDATOR BY OTHERS
7. TRASH AND RECYCLING RECEPTACLES
8. TACTILE WARNING STRIP
9. SIGNAGE PYLON; REFER TO DETAIL SHEET A-508
10. RAILING; REFER TO DETAIL SHEET A-507
11. STAIR WITH HANDRAILS BOTH SIDES; REFER TO DETAIL 5/A-507

GENERAL NOTES:

1. DIMENSIONS ARE TO CENTER LINE UNLESS NOTED OTHERWISE.

N



PROJECT NO:60528491	COUNTY:MILWAUKEE	STATION 33 – WISCONSIN AVE AND VAN BUREN ST EB	STATION AMENITIES PLANS	SHEET

PRE_350

FILE NAME : G:\2016\201617-01 – Aecom – Milwaukee County – BRT Bus Rapid Transit\2-Design Phase\Drawings\Station Amenities Sheets PLOT DATE : 7/3/2019 PLOT BY : JP/EW PLOT NAME : PLOT SCALE : 1/8" = 1'

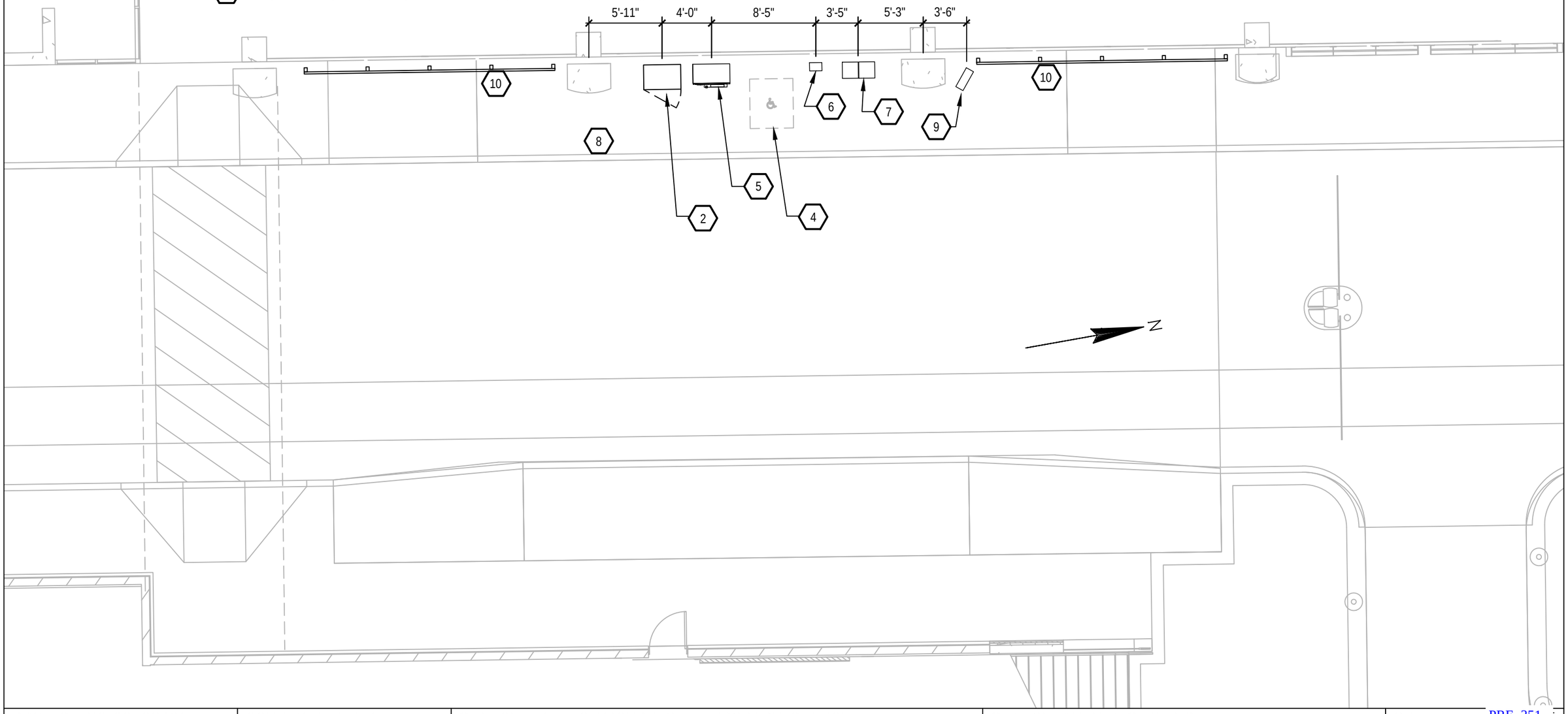
WISDOT/CADDS SHEET 42

KEYNOTES:

1. SHELTER; REFER TO DETAIL SHEETS A-500 THROUGH A-508 FOR ENLARGED PLANS AND ELEVATIONS
2. ELECTRICAL BOX; REFER TO ELECTRICAL DRAWINGS
3. WOOD BENCH
4. 42X48 ACCESSIBLE WHEELCHAIR LOCATION
5. TICKET VENDOR BY OTHERS
6. TICKET VALIDATOR BY OTHERS
7. TRASH AND RECYCLING RECEPTACLES
8. TACTILE WARNING STRIP
9. SIGNAGE PYLON; REFER TO DETAIL SHEET A-508
10. RAILING; REFER TO DETAIL SHEET A-507
11. STAIR WITH HANDRAILS BOTH SIDES; REFER TO DETAIL 5/A-507

GENERAL NOTES:

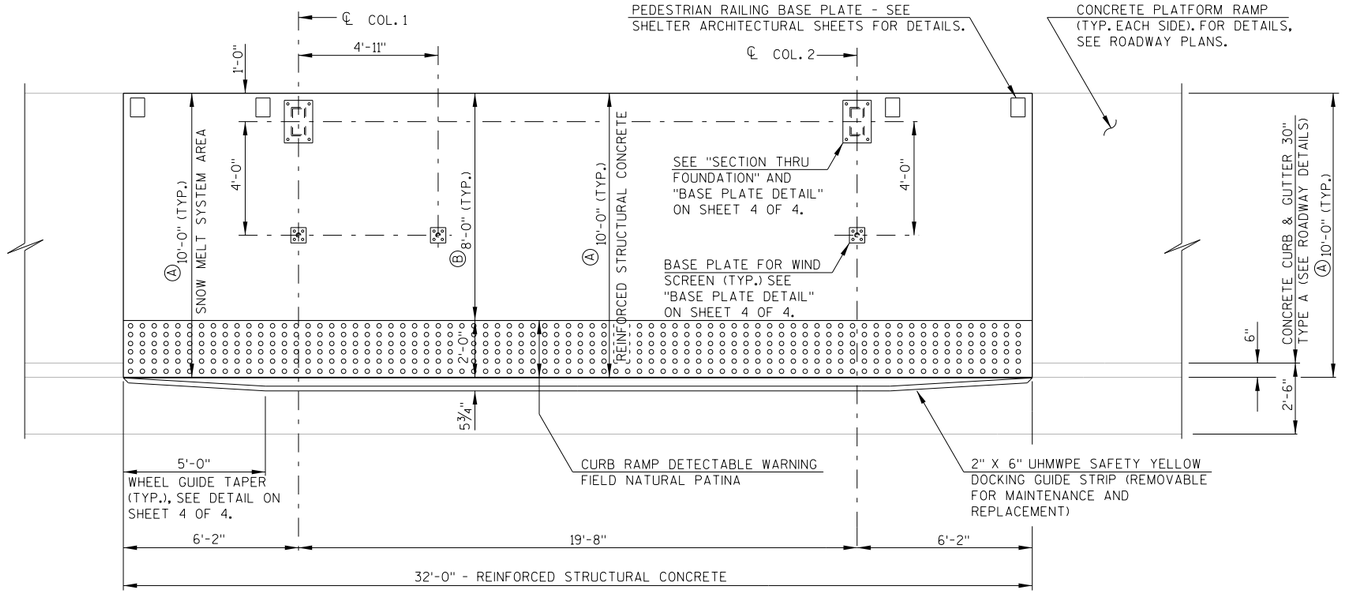
1. DIMENSIONS ARE TO CENTER LINE UNLESS NOTED OTHERWISE.



PROJECT NO:60528491	COUNTY:MILWAUKEE	STATION 34 – CLYBOURN ST TEMPORARY STATION	STATION AMENITIES PLANS	SHEET

PRE_351

FILE NAME : G:\2016\201617-01 – Aecom – Milwaukee County – BRT Bus Rapid Transit\2-Design Phase\Drawings\Station Amenities Sheets PLOT DATE : 7/3/2019 PLOT BY : JP/EW PLOT NAME : PLOT SCALE : 1/8" = 1'



32' STATION PLATFORM PLAN

SCALE 3/16" = 1'-0"

LEGEND

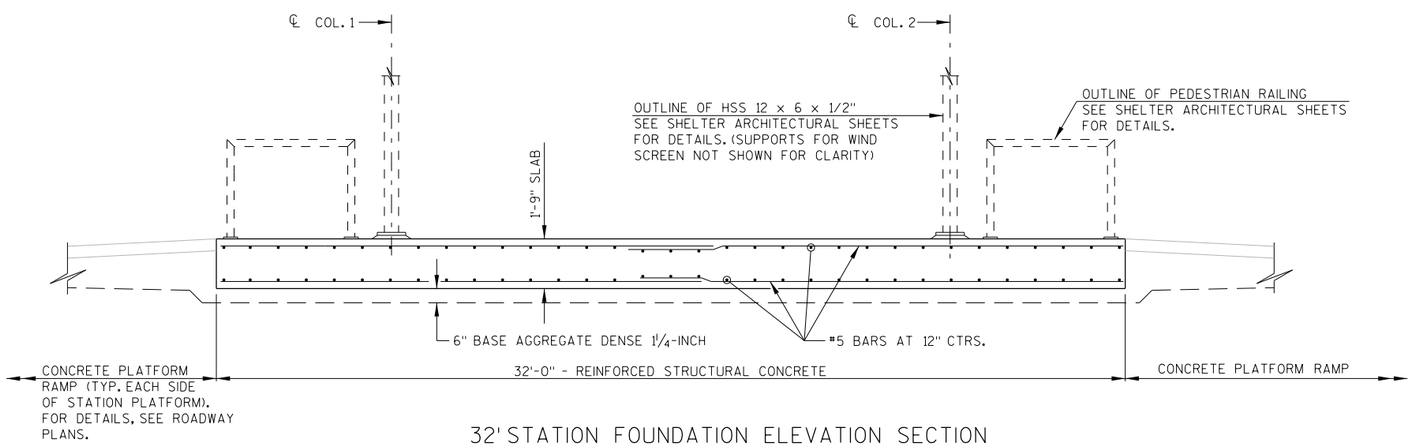
Ⓐ 13'-3" AT HAWLEY ROAD NORTHBOUND PLATFORM.

Ⓑ 11'-3" AT HAWLEY ROAD NORTHBOUND PLATFORM.

GENERAL NOTES

FOR CONDUIT LOCATION AND DETAILS, SEE ELECTRICAL DETAIL DRAWINGS.

FOR BUS SHELTER AND RAILING DETAILS, SEE SHELTER ARCHITECTURAL DETAIL DRAWINGS.

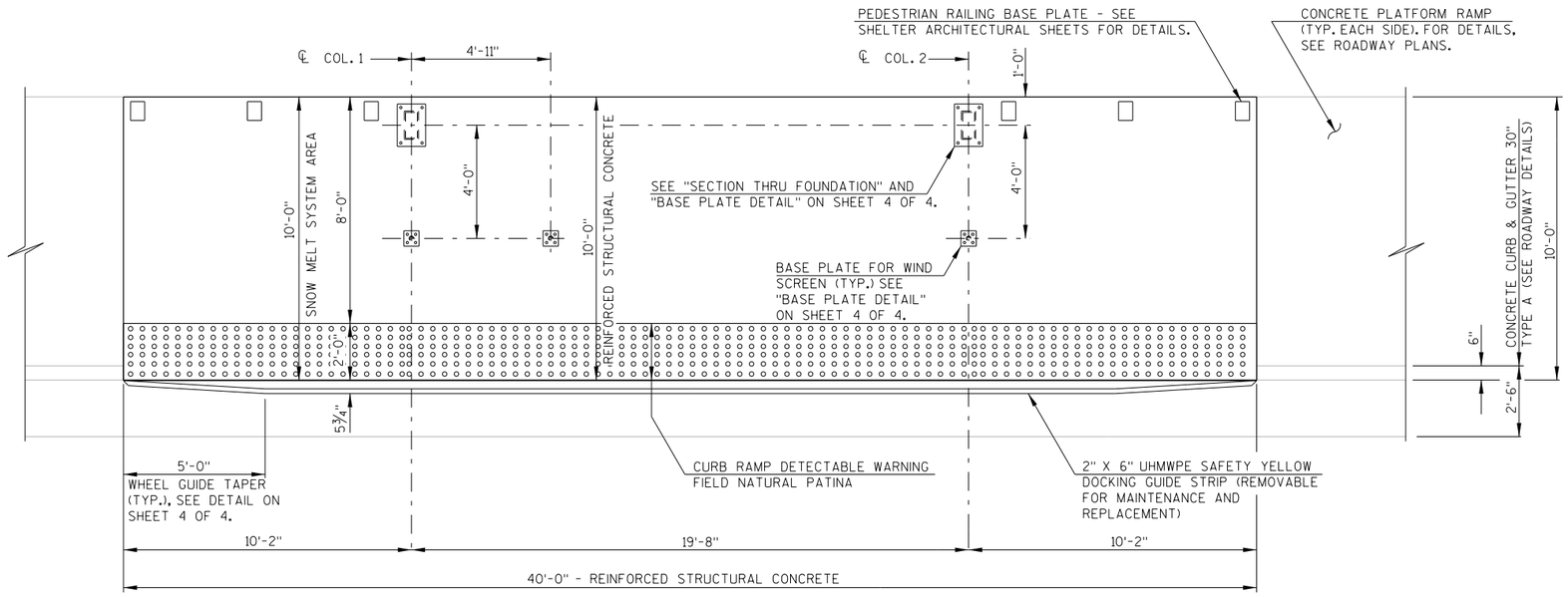


32' STATION FOUNDATION ELEVATION SECTION

SCALE 3/16" = 1'-0"

PROJECT NO: 60528491	COUNTY: MILWAUKEE	EAST - WEST BRT	STATION PLATFORM DETAILS	SHEET E

PRE_352



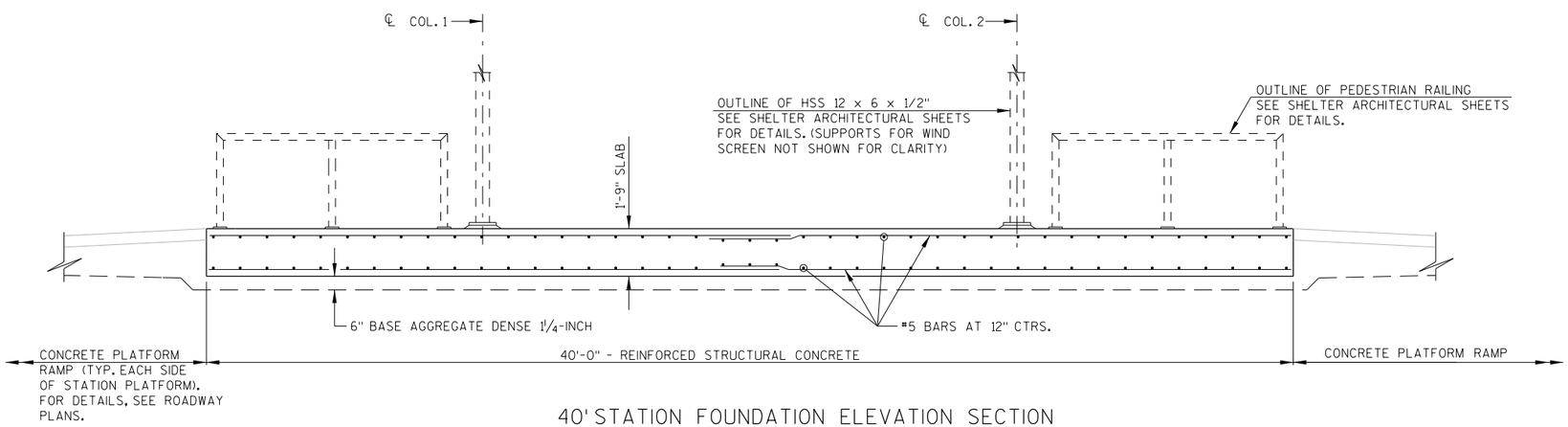
40' STATION PLATFORM PLAN

SCALE 3/16" = 1'-0"

GENERAL NOTES

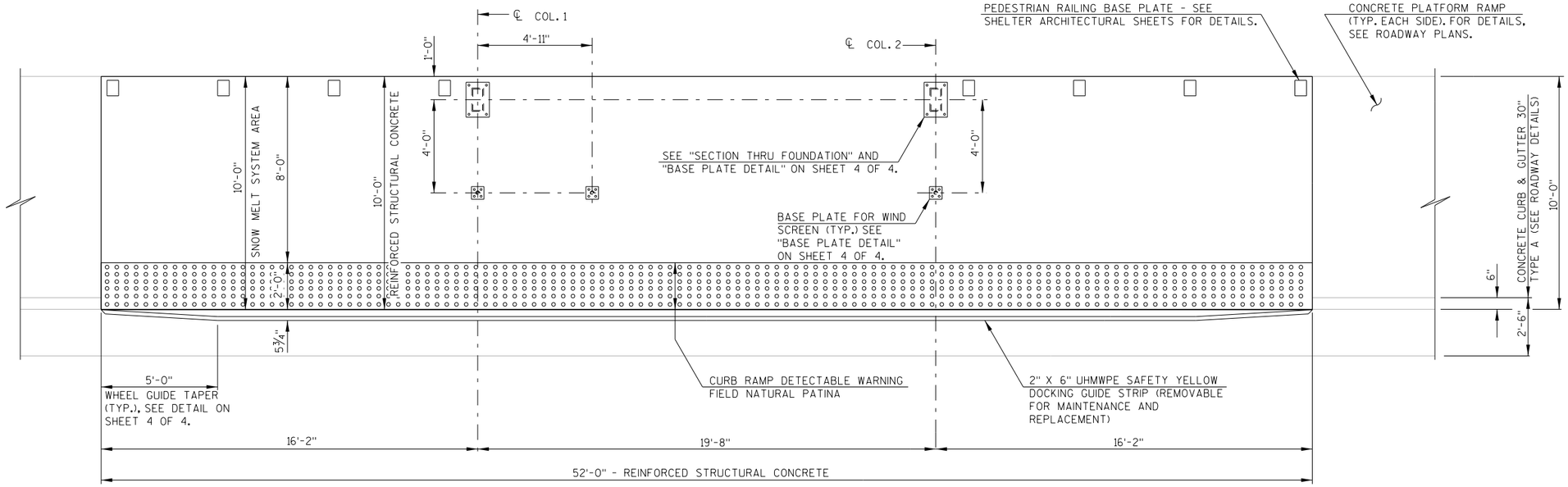
FOR CONDUIT LOCATION AND DETAILS, SEE ELECTRICAL DETAIL DRAWINGS.

FOR BUS SHELTER AND RAILING DETAILS, SEE SHELTER ARCHITECTURAL DETAIL DRAWINGS.



40' STATION FOUNDATION ELEVATION SECTION

SCALE 3/16" = 1'-0"



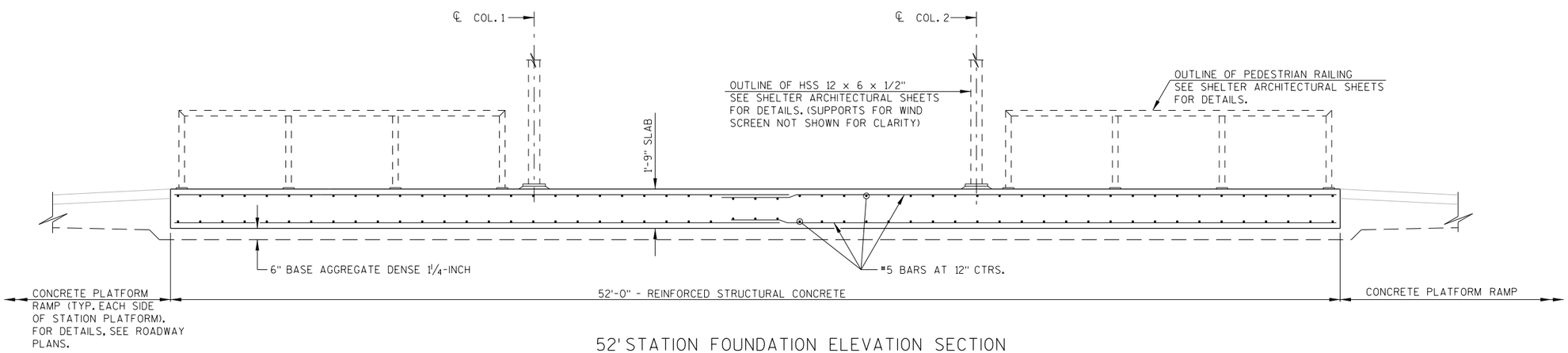
52' STATION PLATFORM PLAN

SCALE 3/16" = 1'-0"

GENERAL NOTES

FOR CONDUIT LOCATION AND DETAILS, SEE ELECTRICAL DETAIL DRAWINGS.

FOR BUS SHELTER AND RAILING DETAILS, SEE SHELTER ARCHITECTURAL DETAIL DRAWINGS.

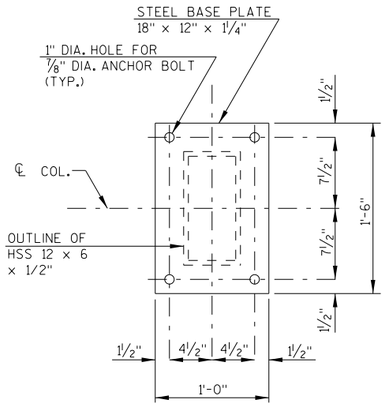


52' STATION FOUNDATION ELEVATION SECTION

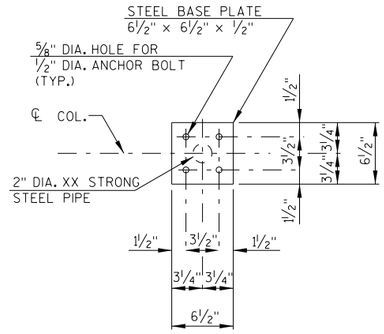
SCALE 3/16" = 1'-0"

PROJECT NO: 60528491	COUNTY: MILWAUKEE	EAST - WEST BRT	STATION PLATFORM DETAILS	SHEET E

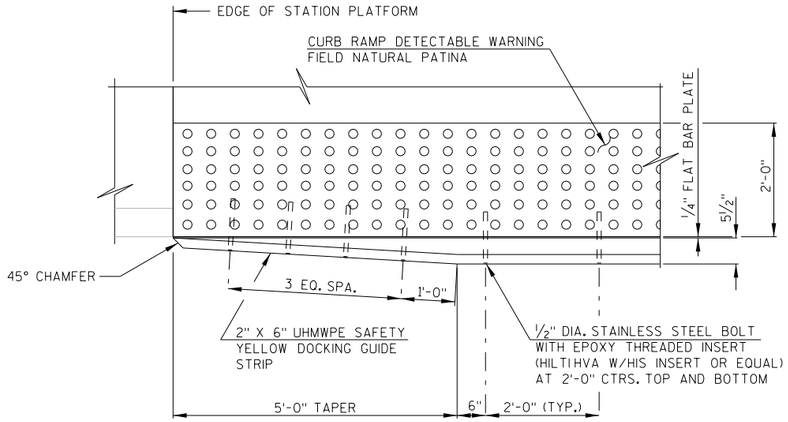
FILE NAME : \\decompw05ics01\iCS_pdf_work_dir\9669\295382_1\52_ft_sta_platform_det01_str.dgn PLOT DATE : 7/31/2019 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : 1:1
WISDOT/CADDS SHEET 42



BASE PLATE DETAIL
(AT HSS 12 x 6 x ½")



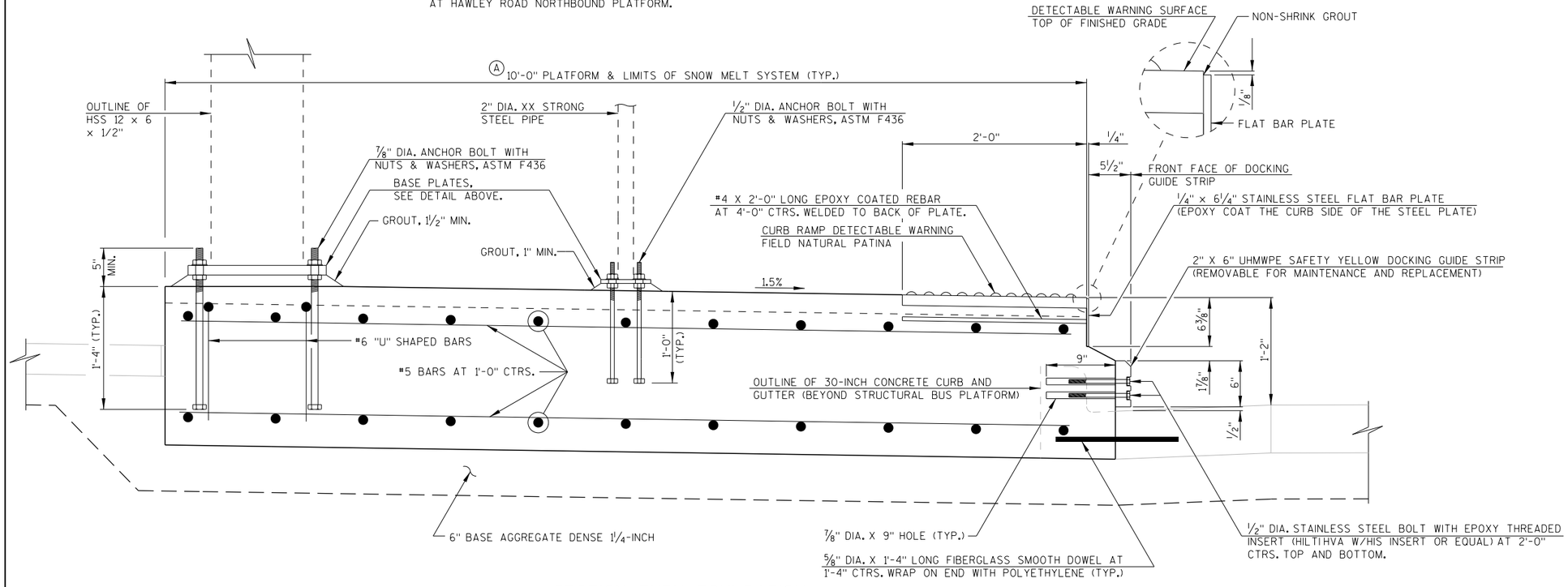
BASE PLATE DETAIL
(AT WIND SCREEN SUPPORTS)



WHEEL GUIDE TAPER DETAIL

LEGEND

Ⓐ 13'-3" PLATFORM & LIMITS OF SNOW MELT SYSTEM AT HAWLEY ROAD NORTHBOUND PLATFORM.



SECTION THRU FOUNDATION
(TAKEN AT BASE PLATE LOCATIONS)

PROJECT NO: 60528491	COUNTY: MILWAUKEE	EAST - WEST BRT	STATION PLATFORM DETAILS	SHEET E

PRE_355

WISCONSIN DEPARTMENT OF TRANSPORTATION

EPlans Preliminary Sheet Numbering Tool

This sheet: ftp://ftp.dot.state.wi.us/transp/roads/eplans/prelim_sheet_numbers.pdf

Notes

- Acrobat 5 or higher is required to use this tool.
- The Bureau of Highway Construction places sheet numbers in the final plan.
- This sheet is for placing preliminary sheet numbers with a “PRE_" prefix.
- If a plan contains multiple projects, number each plan individually.
- Leave this sheet in the plan.

TO ADD PRELIMINARY SHEET NUMBERS

1. Insert this sheet at the end of the plan

a. With the plan open in Acrobat, select Document > Insert Pages.
b. In the Select File to Insert dialog box, select this file (prelim_sheet_numbers.pdf)
c. In the Insert dialog box, choose After for Location and Last page for Page.
d. Click OK.

2. Click the Place Preliminary Sheet Numbers button

a. Go to the last sheet of the plan.
b. Click the Place Preliminary Sheet Numbers button once.
(The preliminary sheet number appears in the bottom right corner of the sheets.
The number should match te page number in the Acrobat Status bar).

3. Re-Save the PDF

a. Select File > Save As and save the PDF.

Place Preliminary Sheet Numbers

TO REMOVE PRELIMINARY SHEET NUMBERS

Remove