



Department of Public Works
Engineering Division
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Chris Petykowski, P.E.
Deputy Division Manager
Kathleen M. Cryan
Principal Engineer 2
John S. Fahrney, P.E.
Janet Schmidt, P.E.
Principal Engineer 1
Mark D. Moder, P.E.
Fadi El Musa Gonzalez, P.E.
Andrew J. Zweg, P.E.
Financial Manager
Steven B. Danner-Rivers

June 27, 2024

NOTICE OF PLAN REVISION
PLAN REVISION NO. 13
CONTRACT NO. 8716

EAST-WEST BUS RAPID TRANSIT IMPROVEMENT

Revise and amend the contract document(s) for the above project as stated in this plan revision, otherwise, the original document shall remain in effect.

SPECIFICATIONS:

N/A

PLANS:

REMOVE AND INSERT REVISED PLAN SHEETS AS NOTED BELOW.

Plan Set 1

SHEET CD-14A (NEW 06/17/2024): New sheet created to detail space between curb ramp and bike ramp.

SHEET CR12-E (REV 06/17/2024): Revised match point elevations to match existing ground.

Plan Set 2

SHEET R-19W (REV 06/24/2024): Revised removal limits.

SHEET P-19W (REV 06/24/2024): Revised pavement limits and storm sewer.

SHEET G16-E (REV 06/17/2024): Revised point MC60 moved to end of radius. Point MC 69 added to show match location/elevation.

SHEET G21-E (REV 06/06/2024): Revised points to show high point and level landing for back entrance to station.

SHEET P38-E (REV 06/24/2024): Revised storm sewer layout

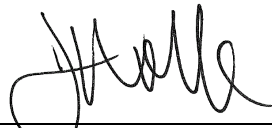
SHEET P41-E (REV 06/24/2024): Revised storm sewer layout

PROPOSAL:

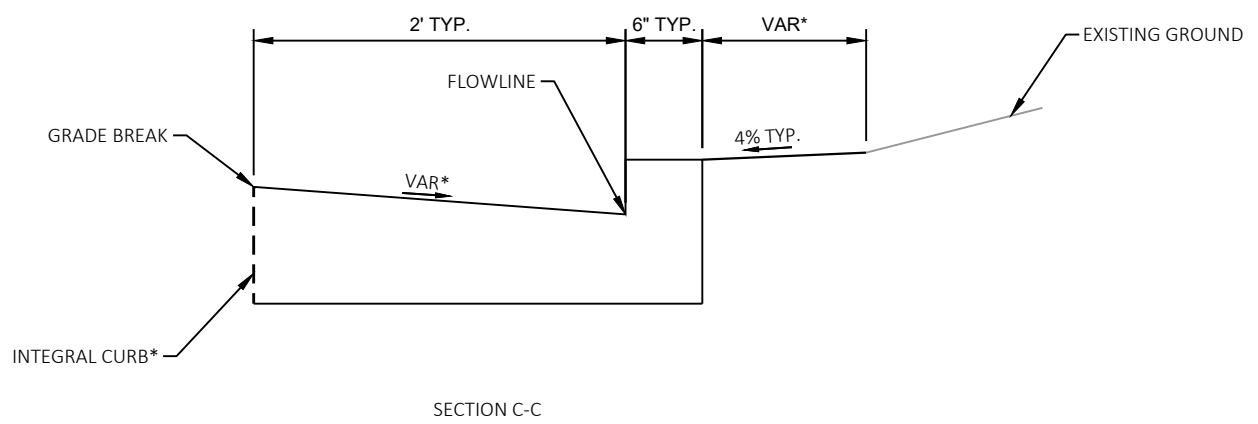
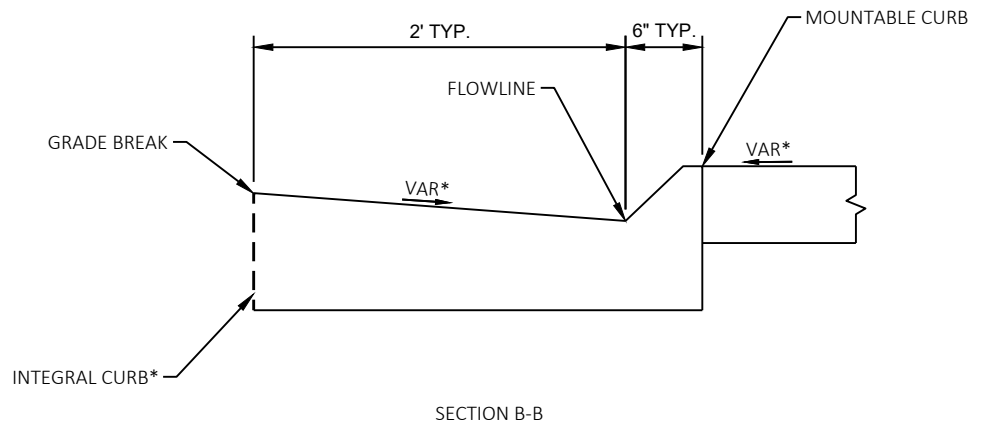
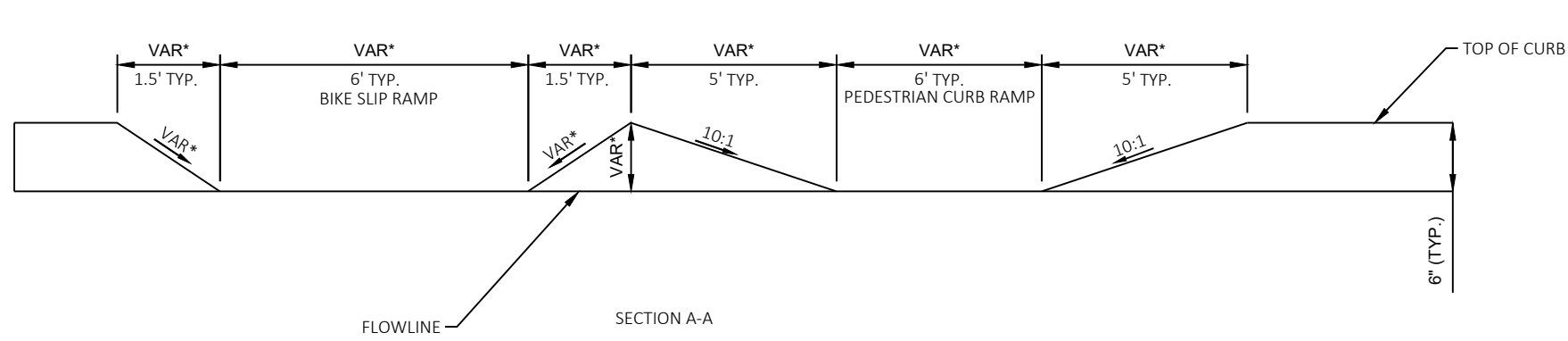
Summary of changes to the bid items and quantities are summarized in the table below.

ACTION	ITEM NO.	DESCRIPTION	UNITS	QUANTITY CHANGE
INCREASE QUANTITY	204.0245.01	Removing Storm Sewer - 12 inch or less	LF	+1
INCREASE QUANTITY	204.0245.03	Removing Storm Sewer - 18 inch	LF	+94
DECREASE QUANTITY	204.0291.S	Abandoning Sewer	CY	-6
DECREASE QUANTITY	520.8000	Concrete Collars for Pipe	EACH	-1
DECREASE QUANTITY	608.0312	Storm Sewer Pipe Reinforced Concrete Class III 12-Inch	LF	-100
INCREASE QUANTITY	608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	LF	+19
DECREASE QUANTITY	608.2314	Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-III 14x23-Inch	LF	-8
INCREASE QUANTITY	611.2004	Manholes 4-FT Diameter	EACH	+1
DECREASE QUANTITY	611.323	Inlets 2x3-FT	EACH	-1
INCREASE QUANTITY	SPV.0060.603	Field Pour Storm Structure	EACH	+1
INCREASE QUANTITY	SPV.0090.602	PVC Pipe 8-inch	LF	+12

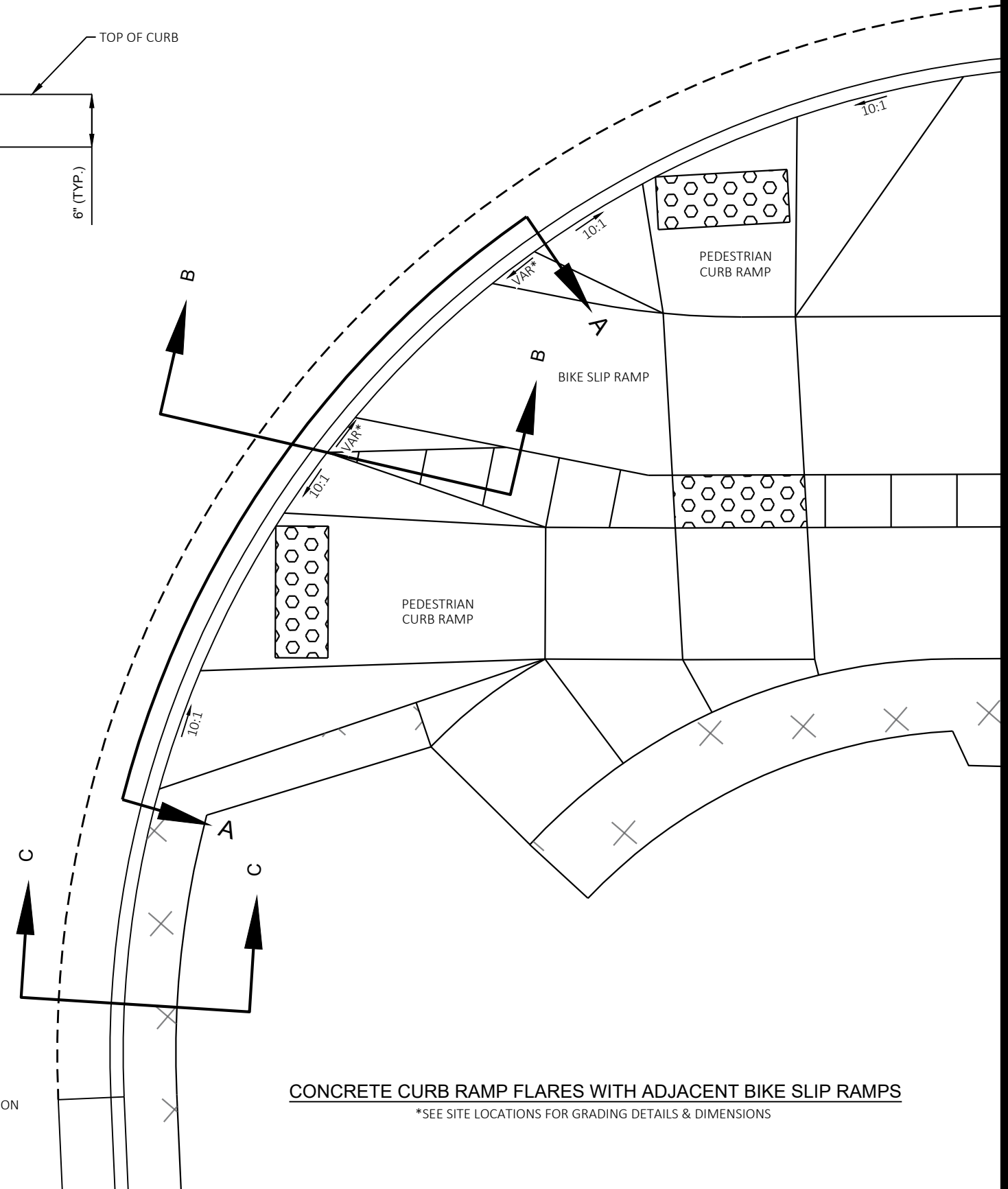
Sincerely,



Jim Wolfe
City Engineer



NOTE:
SEE CITY OF MADISON
STANDARD DETAIL
DRAWING FOR
ADDITIONAL
INFORMATION



CONCRETE CURB RAMP FLARES WITH ADJACENT BIKE SLIP RAMPS
*SEE SITE LOCATIONS FOR GRADING DETAILS & DIMENSIONS

PLAN REVISION 13	6/7/24	CTL
REVISION	DATE	BY
MARK	Designed By: sthmc	Date: 2024-06-25
60631225P		Scale: N/A

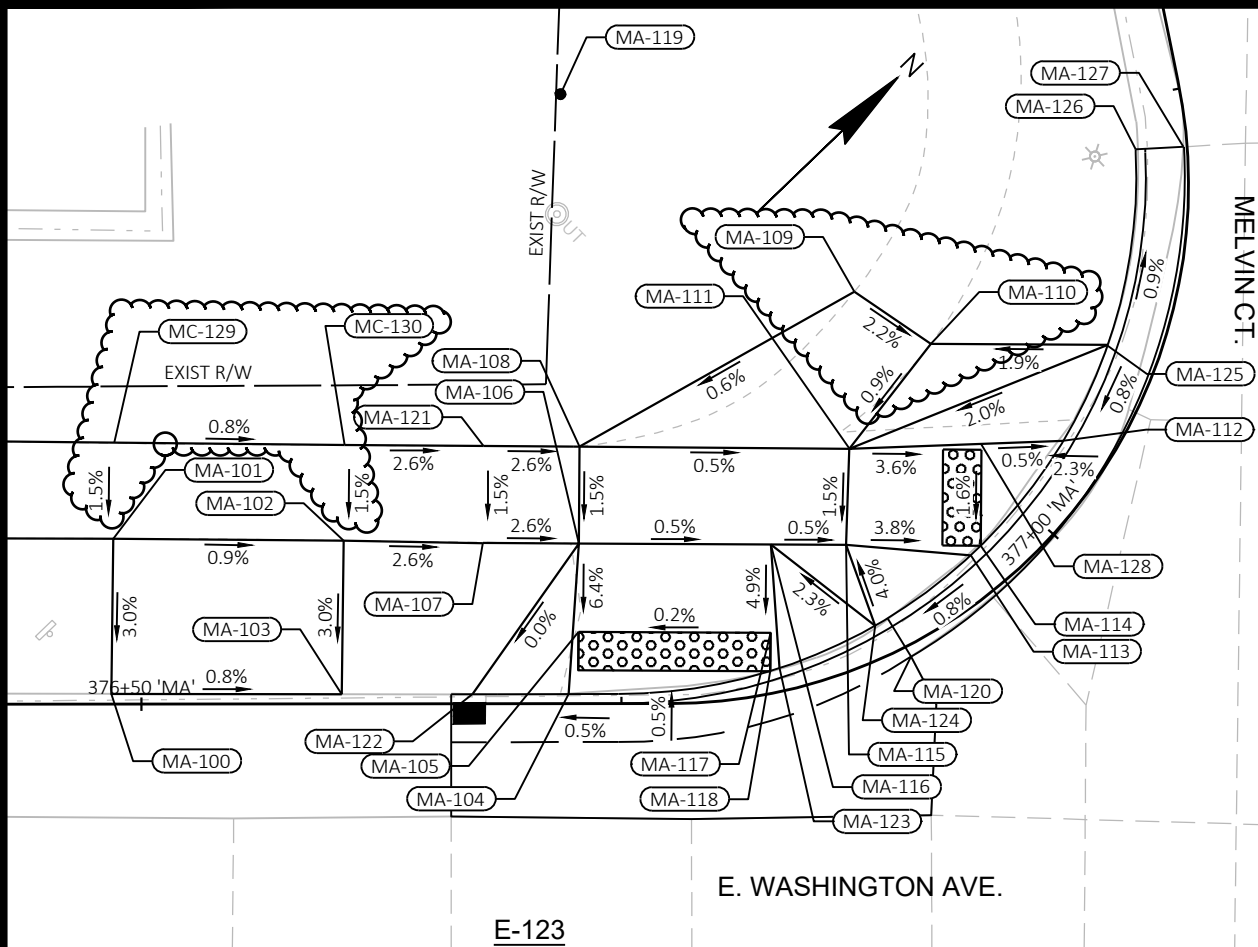
60631225P
CITY OF MADISON, DANE COUNTY, WI
CONTRACT NO: 60631225C

CONSTRUCTION DETAILS
BUS RAPID TRANSIT
CITY OF MADISON



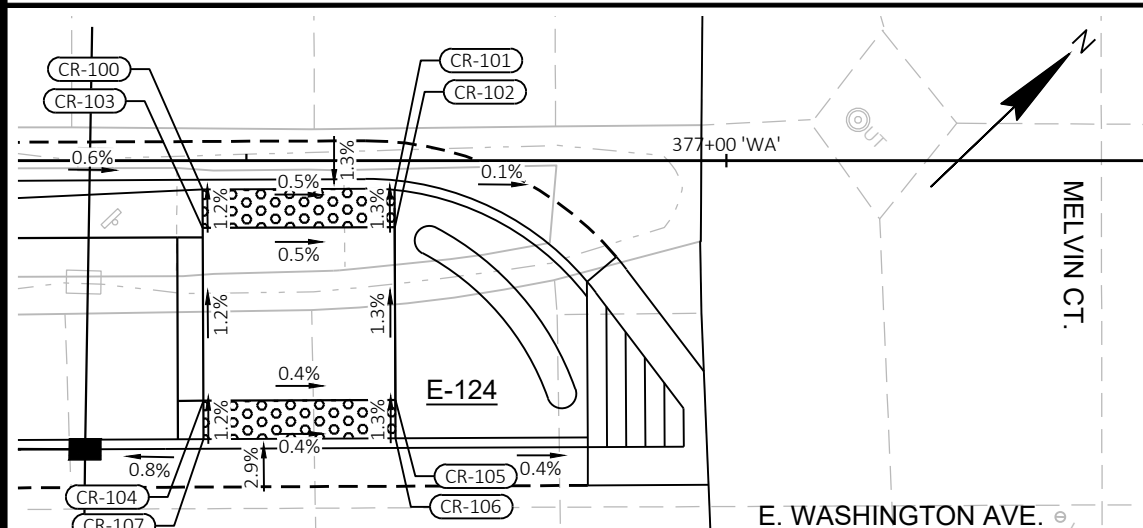
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CD-14A

REVIS 6/17/24 CTL

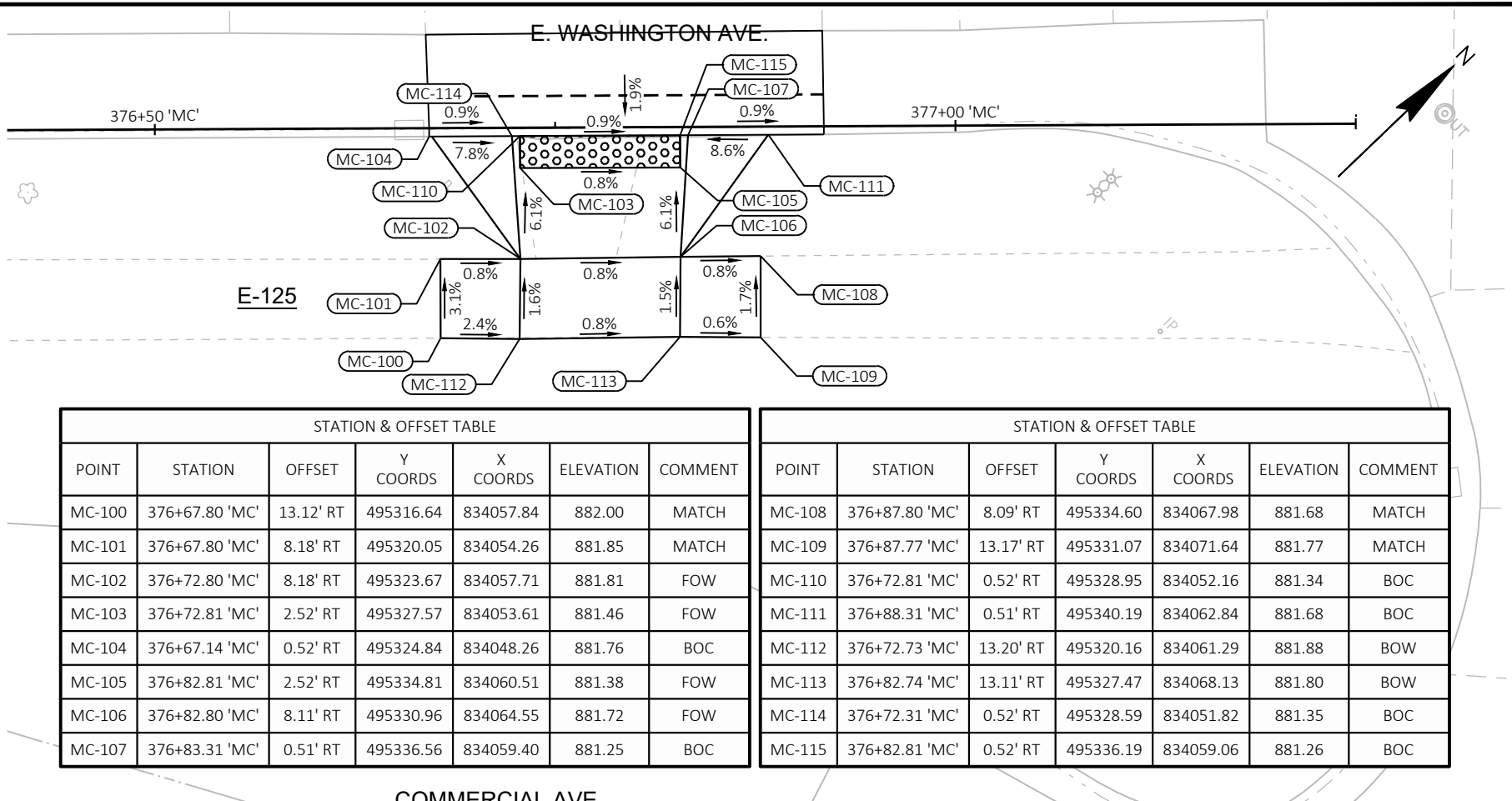


STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	COMMENT
MA-100	376+48.22 'WA'	41.37' LT	495379.73	833963.62	881.35	BOC
MA-101	376+48.32 'WA'	49.45' LT	495385.40	833957.86	881.60	MATCH
MA-102	376+60.32 'WA'	49.34' LT	495393.98	833966.25	881.49	MATCH
MA-103	376+60.22 'WA'	41.34' LT	495388.37	833971.95	881.25	BOC
MA-104	376+72.04 'WA'	41.35' LT	495396.90	833980.13	880.72	BOC
MA-105	376+72.55 'WA'	44.59' LT	495399.51	833978.15	880.88	FOW
MA-106	376+72.57 'WA'	49.19' LT	495402.71	833974.85	881.18	FOW
MA-107	376+67.57 'WA'	49.23' LT	495399.13	833971.36	881.31	MATCH
MA-108	376+72.61 'WA'	54.23' LT	495406.23	833971.24	881.26	MATCH
MA-109	376+86.93 'WA'	62.30' LT	495422.15	833975.35	881.35	MATCH
MA-110	376+90.91 'WA'	59.59' LT	495423.14	833980.06	881.24	MATCH
MA-111	376+86.68 'WA'	54.13' LT	495416.31	833981.07	881.18	FOW
MA-112	376+97.77 'WA'	54.53' LT	495424.58	833988.46	880.92	BOC
MA-113	376+92.98 'WA'	48.57' LT	495417.00	833989.44	880.85	BOC
MA-114	376+93.50 'WA'	49.07' LT	495417.72	833989.44	880.85	BOC
MA-115	376+86.49 'WA'	49.13' LT	495412.70	833984.54	881.11	FOW

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	COMMENT
MA-116	376+82.57 'WA'	49.15' LT	495409.89	833981.81	881.13	FOW
MA-117	376+82.55 'WA'	44.55' LT	495406.69	833985.11	880.90	FOW
MA-118	376+82.54 'WA'	42.55' LT	495405.30	833986.55	880.80	BOC
MA-119	376+71.62 'WA'	72.60' LT	495418.24	833957.31	0.00	RAD=18'
MA-120	376+89.87 'WA'	43.30' LT	495411.10	833991.08	880.81	BOC
MA-121	376+67.61 'WA'	54.26' LT	495402.65	833967.75	881.38	MATCH
MA-122	376+67.04 'WA'	41.36' LT	495393.30	833976.66	881.18	BOC
MA-123	376+83.03 'WA'	42.70' LT	495405.76	833986.77	880.80	BOC
MA-124	376+88.01 'WA'	44.92' LT	495410.88	833988.63	881.28	BOC
MA-125	377+00.08 'WA'	59.51' LT	495429.70	833986.46	881.46	BOC
MA-126	377+01.57 'WA'	69.71' LT	495437.85	833980.14	881.37	BOC
MA-127	377+04.06 'WA'	69.85' LT	495439.73	833981.77	880.87	EOP
MA-128	376+93.53 'WA'	54.38' LT	495421.42	833985.63	880.94	
MC-129	376+48.37 'WA'	54.44' LT	495388.90	833954.29	881.67	BOW
MC-130	376+60.37 'WA'	54.32' LT	495397.47	833962.70	881.57	BOW



STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	COMMENT
CR-100	376+72.71 'WA'	1.51' RT	495367.69	834011.51	881.52	BOC
CR-101	376+82.71 'WA'	1.55' RT	495374.87	834018.46	881.47	BOC
CR-102	376+82.72 'WA'	3.47' RT	495373.55	834019.85	881.49	FOW
CR-103	376+72.72 'WA'	3.51' RT	495366.31	834012.95	881.55	FOW
CR-104	376+72.76 'WA'	12.51' RT	495360.10	834019.47	881.65	FOW
CR-105	376+82.76 'WA'	12.47' RT	495367.34	834026.37	881.61	FOW
CR-106	376+82.77 'WA'	14.47' RT	495365.96	834027.82	881.64	BOC
CR-107	376+72.77 'WA'	14.51' RT	495358.72	834020.92	881.68	BOC

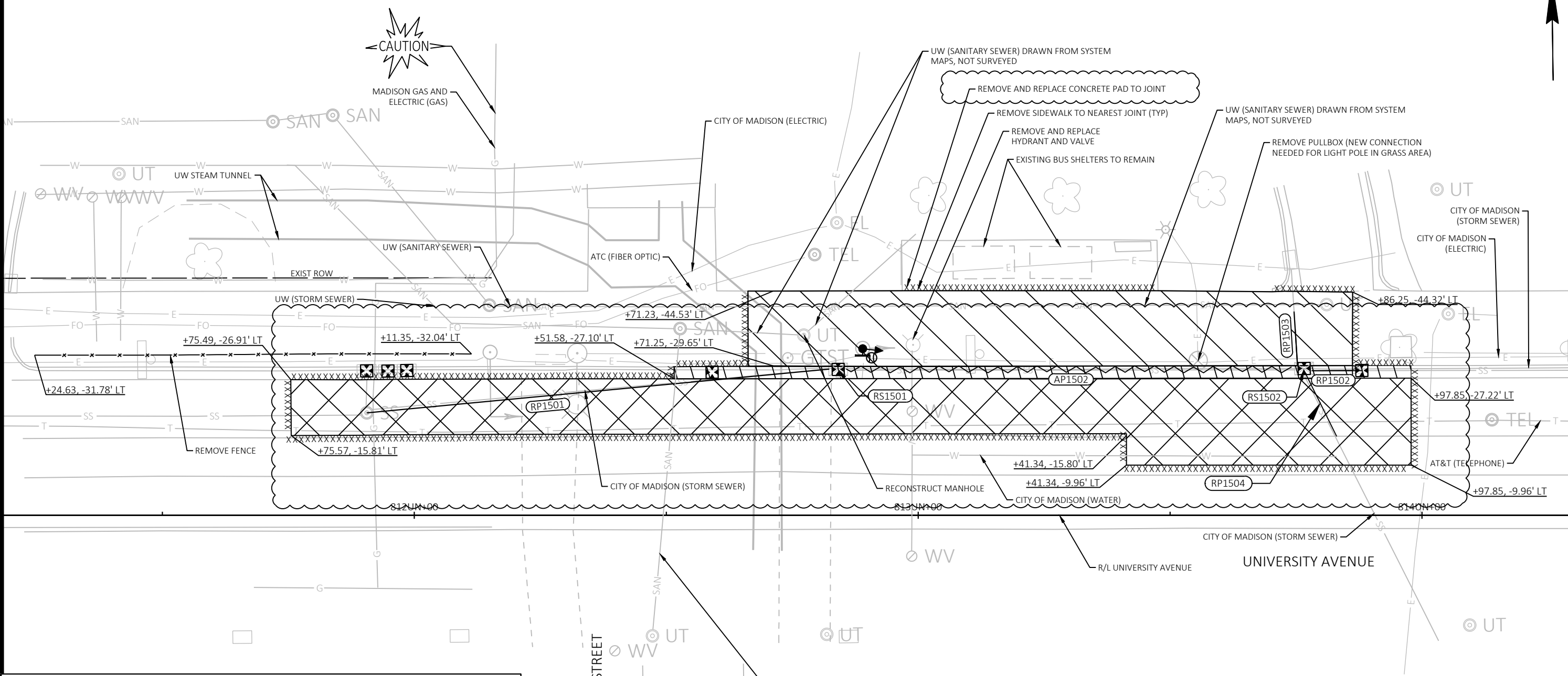


STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	COMMENT
MC-100	376+67.80 'MC'	13.12' RT	495316.64	834057.84	882.00	MATCH
MC-101	376+67.80 'MC'	8.18' RT	495320.05	834054.26	881.85	MATCH
MC-102	376+72.80 'MC'	8.18' RT	495323.67	834057.71	881.81	FOW
MC-103	376+72.81 'MC'	2.52' RT	495327.57	834053.61	881.46	FOW
MC-104	376+67.14 'MC'	0.52' RT	495324.84	834048.26	881.76	BOC
MC-105	376+82.81 'MC'	2.52' RT	495334.81	834060.51	881.38	FOW
MC-106	376+82.80 'MC'	8.11' RT	495330.96	834064.55	881.72	FOW
MC-107	376+83.31 'MC'	0.51' RT	495336.56	834059.40	881.25	BOC

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	COMMENT
MC-108	376+87.80 'MC'	8.09' RT	495334.60	834067.98	881.68	MATCH
MC-109	376+87.77 'MC'	13.17' RT	495331.07	834071.64	881.77	MATCH
MC-110	376+72.81 'MC'	0.52' RT	495328.95	834052.16	881.34	BOC
MC-111	376+88.31 'MC'	0.51' RT	495340.19	834062.84	881.68	BOC
MC-112	376+72.73 'MC'	13.20' RT	495320.16	834061.29	881.88	BOW
MC-113	376+82.74 'MC'	13.11' RT	495327.47	834068.13	881.80	BOW
MC-114	376+72.31 'MC'	0.52' RT	495328.59	834051.82	881.35	BOC
MC-115	376+82.81 'MC'	0.52' RT	495336.19	834059.06	881.26	BOC

60631225P
 CITY OF MADISON, DANE COUNTY, WI
 CONTRACT NO: 60631225C
 CURB RAMP DETAILS
 BUS RAPID TRANSIT
 CITY OF MADISON
 60631225P
 CR12-E

REVISED BY MEM 06/24/2024



REMOVALS LEGEND

- REMOVING PAVEMENT
(ASPHALT PAID AS "EXCAVATION COMMON", CONCRETE AS "REMOVING CONCRETE PAVEMENT")
- REMOVING CONCRETE CURB (PAID AS "REMOVING CONCRETE CURB & GUTTER")
- REMOVING CONCRETE CURB & GUTTER
(PAID AS "REMOVING CONCRETE PAVEMENT" WHEN ADJACENT TO CONCRETE PAVEMENT)
- REMOVING CONCRETE SIDEWALK & DRIVEWAY (PAID AS REMOVING CONCRETE SIDEWALK)
- SAWING PAVEMENT (SEE QUANTITIES FOR ASPHALT/CONCRETE)
- REMOVING FENCE
- REMOVING TREE (PAID AS CLEARING & GRUBBING)
- REMOVING VEGETATION (PAID AS CLEARING & GRUBBING)
- INLET PROTECTION, TYPE D - COMPLETE (UNLESS OTHERWISE NOTED)
- REMOVE STREET LIGHT POLE & BASE, TRAFFIC SIGNAL POLE & BASE, & CABINET
(PAID AS "REMOVING TRAFFIC SIGNALS (LOCATION)" AND "REMOVING BASE")
- REMOVING PULL BOX
- REMOVING STORM SEWER XX-INCH
- REMOVING INLET, REMOVING CATCHBASIN (PAID AS REMOVING INLET)
- ABANDON CONDUIT
- ABANDONING SEWER (ABANDON PIPE WITH SLURRY)

*ALL SIGNING REMOVALS FOUND ON THE MARKING AND SIGNING PLANS

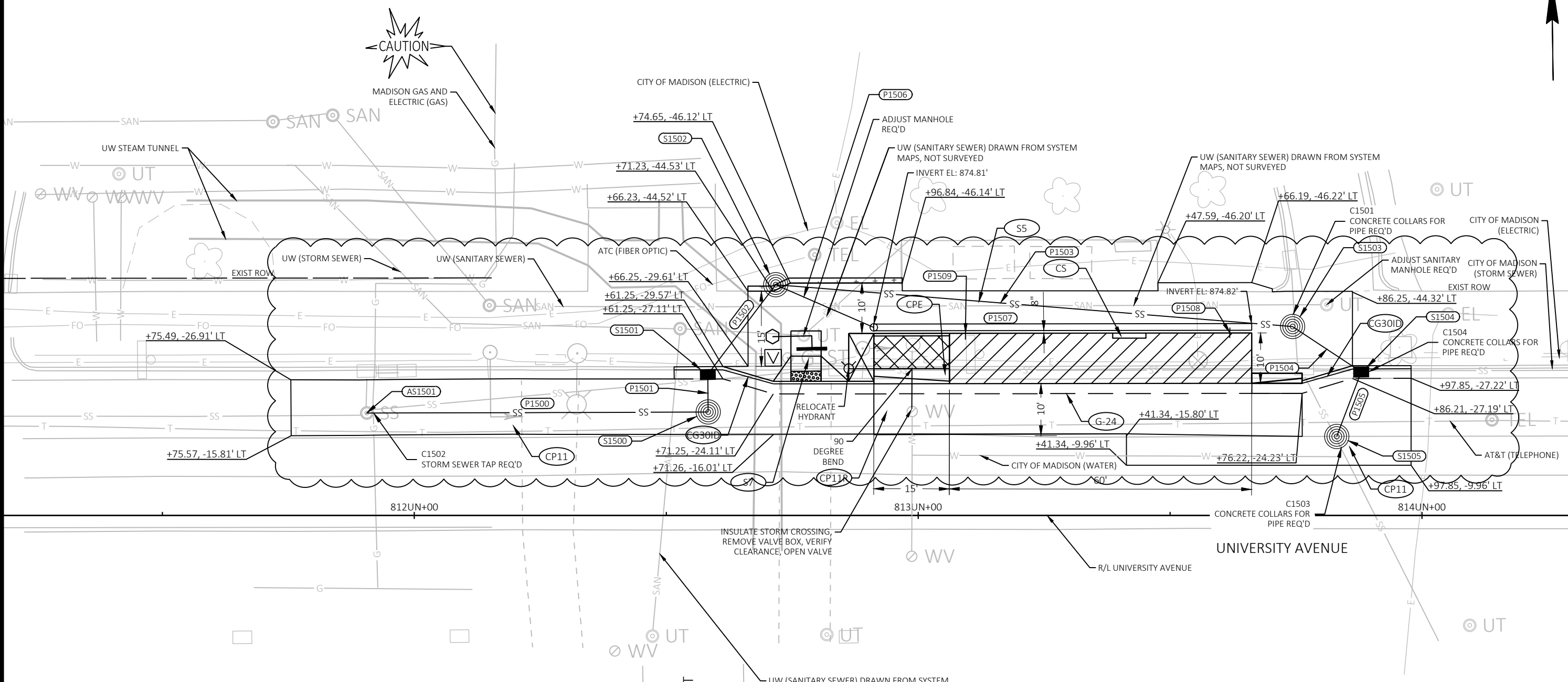
PLAN REVISION 13	06/24/24 MEM
REVISION	DATE
Designed By: AECOM/Date: 2024-06-27	
Scale: 1 IN=20 FT	
MARK 60631225P	

60631225P
 REMOVAL PLAN: WB UNIVERSITY AVENUE AT N. ORCHARD STREET
 CITY OF MADISON, DANE COUNTY, WI
 BUS RAPID TRANSIT
 CONTRACT NO: 60631225C



60631225P
R-19W

REVISED BY MEM 06/24/2024



SITE PLAN LEGEND	
	REINFORCED CONCRETE PLATFORM TYPE X
	CONCRETE PLATFORM RAMP (SLOPED WALKWAY)
	CONCRETE PAVEMENT X-INCH, SEE GENERAL NOTES FOR STRUCTURE
	X-INCH HMA PAVEMENT, SEE GENERAL NOTES FOR STRUCTURE
	CONCRETE PAVEMENT X-INCH, COLORING CONCRETE WISDOT RED
	CONCRETE SIDEWALK 5-INCH
	CONCRETE SIDEWALK 7-INCH
	TOPSOIL, SEEDING & EROSION MAT URBAN CLASS I TYPE A
	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
	CLEAR AREA
	LOCAL ROUTE BOARDING AREA
	CONCRETE SIDEWALK X-INCH, STAMPING COLORED CONCRETE
	TREES
	TREE PROTECTION
	← PLANT SYMBOL
	← QUANTITY
	CONCRETE DRIVEWAY 7-INCH
	CONCRETE GUTTER 12-INCH OR 24-INCH (PAVED INTEGRAL TO LANE)
	CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D
	CONCRETE CURB & GUTTER INTEGRAL 24-INCH OR 30-INCH TYPE J (MOUNTABLE)
	CONCRETE CURB & GUTTER XX-INCH TYPE X
	CONCRETE CURB PEDESTRIAN
	CONCRETE CURB EXTENSION 6-INCH OR 24-INCH
	CONCRETE CURB & GUTTER 24-INCH TYPE H SPECIAL
	CONCRETE CURB & GUTTER INTEGRAL 18-INCH OR 24-INCH SPECIAL
	BIKE RACK (MOUNTED TO CONCRETE)
	SEE STORM SEWER SCHEDULE

PLAN REVISION 13	06/24/24 MEM
ADDENDUM 1	11/03/23 VTC
REVISION	DATE BY
Designed By: AECOM	Date: 2024-06-27
60631225P	Scale: 1 IN=20 FT

60631225P
 CITY OF MADISON, DANE COUNTY, WI
 CONTRACT NO: 60631225C
 SITE PLAN: WB UNIVERSITY AVENUE AT N. ORCHARD STREET
 BUS RAPID TRANSIT
 CITY OF MADISON

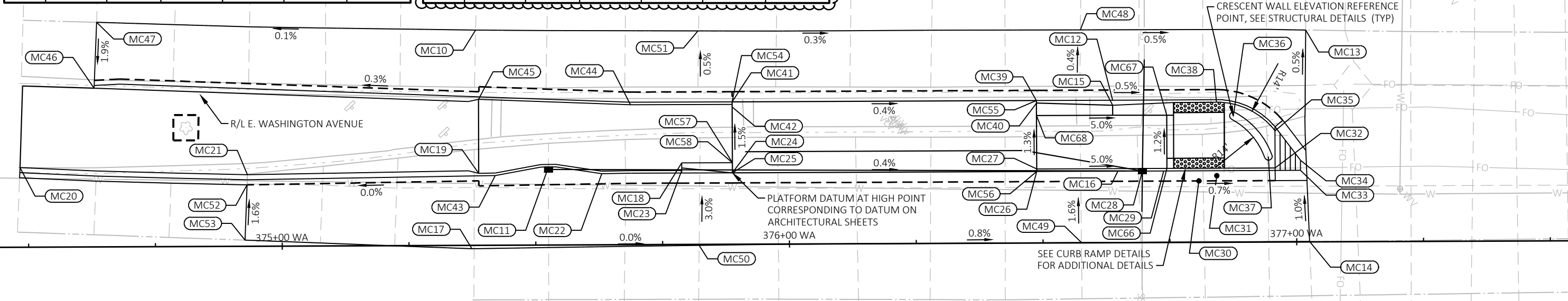
60631225P

P-19W

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 LAYOUT NAME - Plan 1 IN 20 FT
 LAST PLOT DATE - 2024-06-27

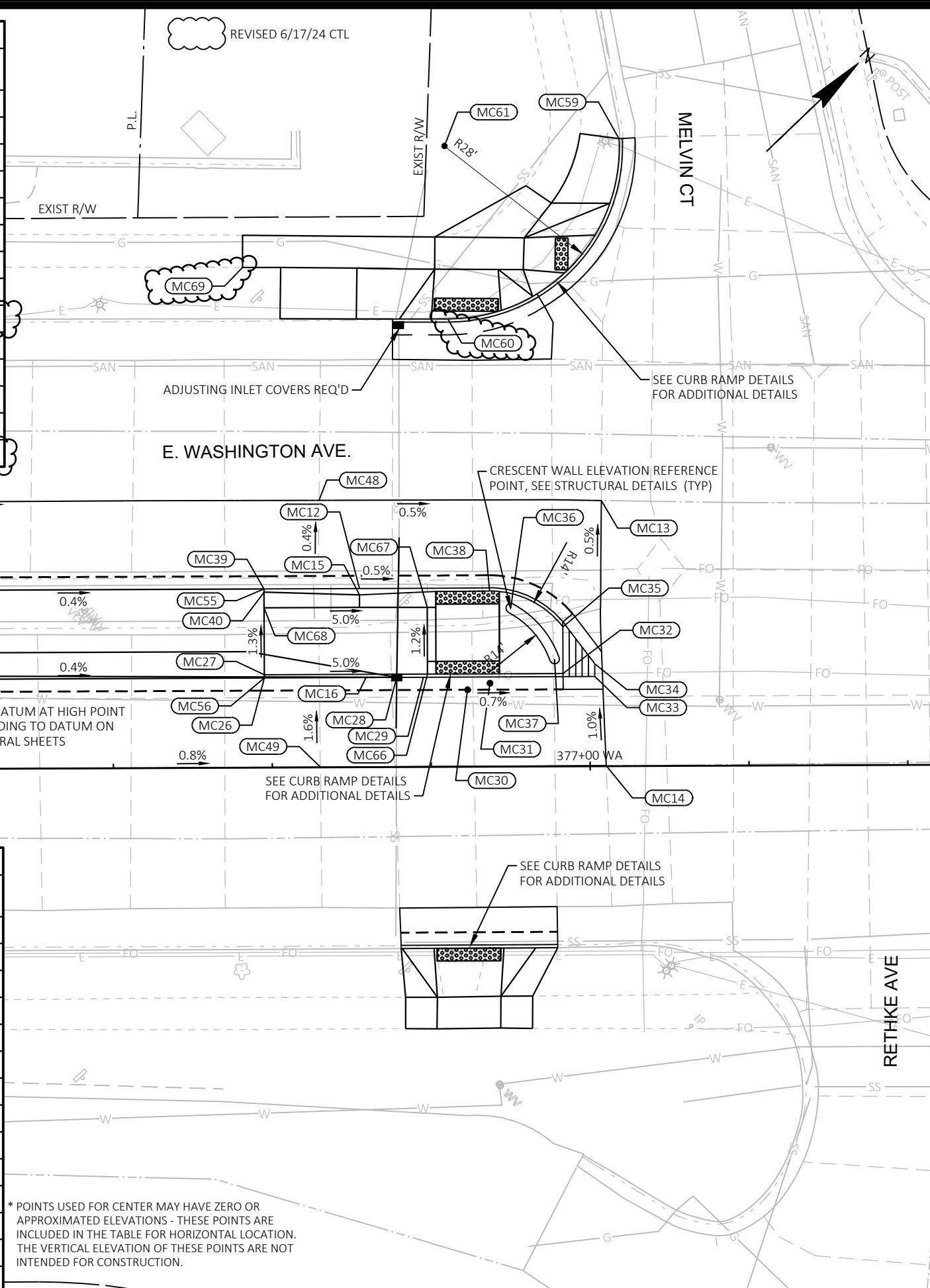
STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	COMMENT
MC38	376+84.30	27.60' LT	495373.83	834017.36	881.47	BOC
MC39	376+48.82	28.10' LT	495348.48	833992.52	882.82	TOP
MC40	376+48.82	27.60' LT	495348.14	833992.88	882.83	TOP
MC41	375+88.82	28.10' LT	495305.04	833951.13	883.03	TOP
MC42	375+88.81	27.10' LT	495304.35	833951.86	882.26	BOC
MC43	375+42.06	13.75' LT	495261.30	833929.27	882.10	FL
MC44	375+68.78	27.60' LT	495290.19	833937.67	882.22	BOC
MC45	375+38.82	28.79' LT	495269.32	833916.14	882.13	BOC
MC46	374+63.01	31.31' LT	495216.17	833862.04	881.93	BOC
MC47	374+63.56	44.30' LT	495225.53	833853.01	881.77	MATCH
MC48	376+57.53	42.01' LT	495364.39	833988.46	881.58	MATCH
MC49	376+57.57	0.03' LT	495335.46	834018.88	882.05	MATCH
MC50	375+82.19	0.17' RT	495280.75	833967.03	882.52	MATCH
MC51	375+82.11	42.12' LT	495309.86	833936.36	881.83	MATCH

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	COMMENT
MC52	374+93.12	12.12' LT	495224.74	833896.69	882.11	MATCH
MC53	374+92.65	1.22' LT	495216.88	833904.26	882.29	MATCH
MC54	375+88.82	28.10' LT	495305.04	833951.13	881.91	FL
MC55	376+48.82	28.10' LT	495348.49	833992.52	881.70	FL
MC56	376+48.82	14.10' LT	495338.83	834002.66	881.88	FL
MC57	375+88.81	16.10' LT	495296.77	833959.82	883.21	BOC
MC58	375+88.81	16.10' LT	495296.77	833959.82	883.21	TOP
MC59	377+04.98	98.70' LT	495437.85	833980.14	881.37	BOC
MC60	376+77.92	70.46' LT	495398.77	833981.93	880.73	BOC
MC61	376+77.50	97.63' LT	495417.21	833961.96	0.00	RADIUS*
MC66	376+74.48	14.60' LT	495357.76	834020.00	881.70	FOW
MC67	376+74.48	25.10' LT	495365.00	834012.40	881.58	FOW
MC68	376+48.82	25.10' LT	495346.42	833994.69	882.86	TOP
MC69	376+45.65	78.69' LT	495381.09	833953.71	881.88	MATCH



STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	COMMENT
MC10	375+38.31	42.45' LT	495278.38	833905.90	881.88	MATCH
MC11	375+52.54	15.39' LT	495270.01	833935.31	881.86	FL
MC12	376+63.82	28.10' LT	495359.35	834002.87	881.59	FL
MC13	377+01.94	41.78' LT	495396.39	834019.26	881.37	MATCH
MC14	377+02.53	0.07' LT	495368.04	834049.86	881.68	MATCH
MC15	376+63.82	27.10' LT	495358.66	834003.59	882.09	BOC
MC16	376+64.81	14.10' LT	495350.41	834013.69	881.69	FL
MC17	375+37.38	0.68' RT	495247.96	833936.49	882.49	MATCH
MC18	375+78.82	16.10' LT	495289.53	833952.92	882.39	BOC
MC19	375+38.78	14.21' LT	495259.24	833926.68	882.45	BOC
MC20	374+48.35	15.70' LT	495194.80	833863.22	882.33	BOC
MC21	374+93.19	14.12' LT	495226.17	833895.29	882.52	BOC
MC22	375+63.05	14.03' LT	495276.69	833943.55	882.02	FL
MC23	375+78.82	14.60' LT	495288.49	833954.01	882.41	BOC

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	COMMENT
MC24	375+88.82	14.10' LT	495295.39	833961.27	883.24	TOP
MC25	375+88.82	14.10' LT	495295.39	833961.27	882.12	FL
MC26	376+48.82	14.10' LT	495338.83	834002.66	883.00	TOP
MC27	376+48.82	14.60' LT	495339.17	834002.29	883.89	TOP
MC28	376+69.64	14.10' LT	495353.90	834017.02	881.60	FL
MC29	376+73.85	14.10' LT	495356.95	834019.92	881.64	FL
MC30	376+80.77	12.10' LT	495360.59	834026.15	0.00	RADIUS*
MC31	376+84.30	13.10' LT	495363.83	834027.85	0.00	RADIUS*
MC32	376+95.82	14.60' LT	495373.20	834034.71	882.09	BOC
MC33	377+00.82	14.10' LT	495376.48	834038.53	881.57	FL
MC34	377+00.86	16.04' LT	495377.85	834037.15	881.56	FL
MC35	376+95.82	21.91' LT	495378.24	834029.42	881.90	BOC
MC36	376+87.60	24.89' LT	495374.35	834021.60	0.00	RADIUS*
MC37	376+94.47	16.87' LT	495373.79	834032.14	0.00	RADIUS*

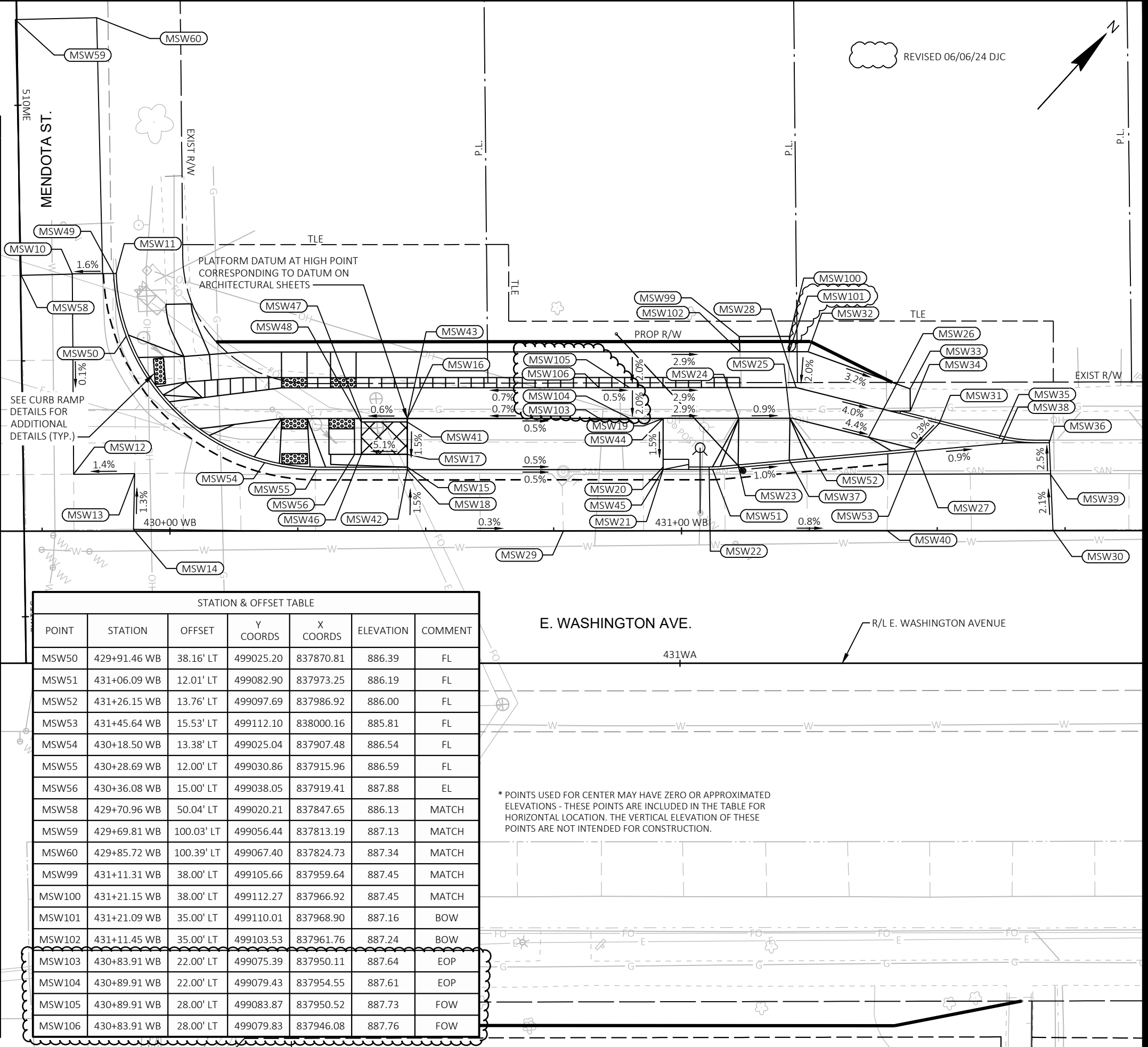


* POINTS USED FOR CENTER MAY HAVE ZERO OR APPROXIMATED ELEVATIONS - THESE POINTS ARE INCLUDED IN THE TABLE FOR HORIZONTAL LOCATION. THE VERTICAL ELEVATION OF THESE POINTS ARE NOT INTENDED FOR CONSTRUCTION.

60631225P
 CITY OF MADISON
 BUS RAPID TRANSIT
 GRADING PLAN: E. WASHINGTON AVENUE AT MELVIN COURT
 CITY OF MADISON, DANE COUNTY, WI
 CONTRACT NO: 60631225C
 PLAN REVISION 13
 PLAN REVISION 4
 DATE 6/17/24
 DATE 4/26/23
 SCALE 1"=20 FT
 DESIGNED BY: stw/nd
 DATE: 2024-06-17
 60631225P
 G16-E
 FILE NAME: C:\P\WORKING\AECOM_D520_NA_2019\LYN21141\0107215\050243A_PN.DWG
 LAST PLOT DATE: 2024-06-17
 LAYOUT NAME: 050243a.plt

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	COMMENT
MSW10	429+80.92 WB	50.33' LT	499027.12	837854.83	886.21	MATCH
MSW11	429+89.48 WB	50.40' LT	499032.93	837861.12	886.82	BOC
MSW12	429+81.16 WB	11.15' LT	498998.28	837881.34	886.19	MATCH
MSW13	429+93.08 WB	11.26' LT	499006.37	837890.09	886.36	MATCH
MSW14	429+92.87 WB	0.37' LT	498998.17	837897.26	886.50	MATCH
MSW15	430+46.41 WB	12.50' LT	499043.14	837928.74	888.59	BOC
MSW16	430+46.41 WB	22.00' LT	499050.18	837922.35	887.39	EOP
MSW17	430+46.41 WB	15.00' LT	499045.00	837927.06	887.70	TOP
MSW18	430+46.41 WB	12.00' LT	499042.78	837929.08	886.53	FL
MSW19	430+96.41 WB	22.00' LT	499083.79	837959.37	887.47	EOP
MSW20	430+96.41 WB	12.50' LT	499076.76	837965.75	886.76	BOC
MSW21	430+96.41 WB	12.00' LT	499076.39	837966.09	886.26	FL
MSW22	431+05.41 WB	12.50' LT	499082.81	837972.42	886.70	BOC
MSW23	431+11.08 WB	12.89' LT	499086.92	837976.35	886.27	BOC
MSW24	431+11.23 WB	22.00' LT	499093.76	837970.33	886.99	EOP
MSW25	431+21.23 WB	22.00' LT	499100.48	837977.74	886.89	EOP
MSW26	431+36.57 WB	18.28' LT	499108.04	837991.59	886.42	EOP
MSW27	431+45.60 WB	16.02' LT	499112.44	837999.79	885.82	BOC
MSW28	431+22.43 WB	28.00' LT	499105.73	837974.60	887.00	FOW
MSW29	430+76.90 WB	0.00'	499054.39	837959.71	886.62	MATCH
MSW30	431+72.65 WB	0.11' LT	499118.85	838030.52	885.77	MATCH
MSW31	431+50.41 WB	21.01' LT	499119.36	838000.01	885.84	EOP
MSW32	431+24.77 WB	35.00' LT	499112.49	837971.62	887.12	BOW
MSW33	431+44.74 WB	27.73' LT	499120.53	837991.29	886.44	MATCH
MSW34	431+44.75 WB	23.41' LT	499117.34	837994.20	886.36	MATCH
MSW35	431+62.12 WB	18.08' LT	499125.07	838010.65	885.66	FL
MSW36	431+71.92 WB	17.18' LT	499130.99	838018.51	885.38	FL
MSW37	431+21.10 WB	13.80' LT	499094.32	837983.15	886.17	BOC
MSW38	431+62.63 WB	17.07' LT	499124.67	838011.70	885.65	FL
MSW39	431+72.09 WB	11.12' LT	499126.62	838022.70	885.54	MATCH
MSW40	431+40.22 WB	0.02' LT	499096.98	838006.58	886.17	MATCH
MSW41	430+46.41 WB	21.33' LT	499049.69	837922.80	887.80	TOP
MSW42	430+46.41 WB	12.00' LT	499042.78	837929.08	887.66	TOP
MSW43	430+46.41 WB	22.00' LT	499050.18	837922.35	887.81	TOP
MSW44	430+96.41 WB	22.00' LT	499083.79	837959.37	887.58	TOP
MSW45	430+96.41 WB	12.00' LT	499076.39	837966.09	887.43	TOP
MSW46	430+37.41 WB	15.00' LT	499038.95	837920.40	888.58	FOW
MSW47	430+37.41 WB	22.00' LT	499044.13	837915.69	887.35	EOP
MSW48	430+37.41 WB	21.33' LT	499043.63	837916.14	887.34	FOW
MSW49	429+88.98 WB	50.39' LT	499032.59	837860.75	886.34	FL

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	COMMENT
MSW50	429+91.46 WB	38.16' LT	499025.20	837870.81	886.39	FL
MSW51	431+06.09 WB	12.01' LT	499082.90	837973.25	886.19	FL
MSW52	431+26.15 WB	13.76' LT	499097.69	837986.92	886.00	FL
MSW53	431+45.64 WB	15.53' LT	499112.10	838000.16	885.81	FL
MSW54	430+18.50 WB	13.38' LT	499025.04	837907.48	886.54	FL
MSW55	430+28.69 WB	12.00' LT	499030.86	837915.96	886.59	FL
MSW56	430+36.08 WB	15.00' LT	499038.05	837919.41	887.88	EL
MSW58	429+70.96 WB	50.04' LT	499020.21	837847.65	886.13	MATCH
MSW59	429+69.81 WB	100.03' LT	499056.44	837813.19	887.13	MATCH
MSW60	429+85.72 WB	100.39' LT	499067.40	837824.73	887.34	MATCH
MSW99	431+11.31 WB	38.00' LT	499105.66	837959.64	887.45	MATCH
MSW100	431+21.15 WB	38.00' LT	499112.27	837966.92	887.45	MATCH
MSW101	431+21.09 WB	35.00' LT	499110.01	837968.90	887.16	BOW
MSW102	431+11.45 WB	35.00' LT	499103.53	837961.76	887.24	BOW
MSW103	430+83.91 WB	22.00' LT	499075.39	837950.11	887.64	EOP
MSW104	430+89.91 WB	22.00' LT	499079.43	837954.55	887.61	EOP
MSW105	430+89.91 WB	28.00' LT	499083.87	837950.52	887.73	FOW
MSW106	430+83.91 WB	28.00' LT	499079.83	837946.08	887.76	FOW



* POINTS USED FOR CENTER MAY HAVE ZERO OR APPROXIMATED ELEVATIONS - THESE POINTS ARE INCLUDED IN THE TABLE FOR HORIZONTAL LOCATION. THE VERTICAL ELEVATION OF THESE POINTS ARE NOT INTENDED FOR CONSTRUCTION.

REVISED 06/06/24 DJC

PLAN REVISION 13	DJC	6/6/24	DJC
PLAN REVISION 1	DJC	11/7/22	DJC
REVISION	DATE	BY	BT
Designed By: stwmc Date: 2024-06-06			
Scale: 1"=20 FT			

60631225P

CITY OF MADISON

GRADING PLAN: WB E. WASHINGTON AVENUE AT MENDOTA STREET

BUS RAPID TRANSIT

CITY OF MADISON

CITY OF MADISON, DANE COUNTY, WI

CONTRACT NO: 60631225C

60631225P

G21-E

FILE NAME: C:\PWORKING\AECOM_DS20_NA_2019\CO021426\DO107215\050255_PN.DWG
LAST PLOT DATE: 2024-06-06
LAYOUT NAME: 050255.plt

STORM SEWER SCHEDULE

REVISED 06/24/2024 VTC

PROPOSED STORM STRUCTURES

STRUC. NO	STATION	LOCATION (OFFSET)	TYPE/CASTING	TOP OF CASTING	E.I	DEPTH	NOTES
SITE 12 - UNIVERSITY AVENUE AT MIDVALE BOULEVARD							
S1211	314+44.69	RT 71.62	2X3/SALVAGE CASTING	885.67	882.00	3.67	USE CASTING FROM IN3749-075
S1210	312+94.25	LT 19.92	FIELD POUR SADDLED SAS	886.23	880.40	5.83	FLAT TOP SLAB REQ'D
S1209	312+94.07	LT 13.57	2X3/SALVAGE CASTING	886.59	880.75	5.84	USE CASTING FROM IN3749-038
S1208	312+93.91	LT 4.42	2X3/SALVAGE CASTING	886.48	882.50	3.98	USE CASTING FROM IN3749-037
S1207	314+80.96	RT 0.69	SADDLED INLET TYPE I-S/H-S	885.22	878.19	7.03	
S1206	314+60.36	RT 1.40	SADDLED INLET TYPE I-S/H-S	885.13	878.66	6.47	
S1205	314+81.21	LT 11.65	2X3-S/H-S	885.27	880.90	4.37	
S1204	314+60.24	LT 11.48	2X3-S/H-S	885.21	880.00	5.21	
S1203	314+60.25	LT 17.00	FIELD POUR SADDLED SAS	885.32	878.52	6.80	
S1202	314+60.71	LT 50.69	2X3/SALVAGE CASTING	885.31	880.25	5.06	USE CASTING FROM IN3749-034
S1201	314+85.85	LT 50.40	2X3/SALVAGE CASTING	885.16	881.00	4.16	USE CASTING FROM IN3749-033
C1210	314+49.10	RT 71.56	CONNECTION		881.75		STORM SEWER TAP
C1209	314+66.34	RT 71.62	CONNECTION		881.55		CONCRETE COLLARS FOR PIPE REQ'D
C1205	314+60.25	LT 17.00	CONNECTION		878.47		STORM SEWER TAP
C1204	314+60.25	LT 17.00	CONNECTION		878.48		CONCRETE COLLARS FOR PIPE REQ'D
C1203	314+79.25	LT 18.26	CONNECTION		880.70		STORM SEWER TAP
C1202	312+94.25	LT 19.92	CONNECTION		880.34		CONCRETE COLLARS FOR PIPE REQ'D
C1201	312+94.25	LT 19.92	CONNECTION		880.34		CONCRETE COLLARS FOR PIPE REQ'D

SITE 15 - UNIVERSITY AVENUE AT ORCHARD STREET (ALIGNMENT UN)

S1500	812+58.31	LT 20.51	4-FT/J-S	874.62	871.55	3.07	FLAT TOP SLAB REQ'D
S1501	812+58.25	LT 27.98	4 FT/SALVAGE INLET CASTING	874.91	872.02	2.89	USE CASTING FROM IN4650-076; FLAT TOP SLAB REQ'D
S1502	812+71.70	LT 45.81	FIELD POUR STRUCTURE	875.18	872.38	2.80	FLAT TOP SLAB REQ'D
S1503	813+74.30	LT 37.5	4 FT/J-S	875.72	872.44	3.28	FLAT TOP SLAB REQ'D
S1504	813+87.93	LT 28.48	5 FT/SALVAGE INLET CASTING	875.50	872.45	3.05	USE CASTING FROM IN4650-077; FLAT TOP SLAB REQ'D
S1505	813+83.07	LT 15.66	4 FT/J-S	875.23	872.50	2.73	FLAT TOP SLAB REQ'D
C1501	813+74.30	LT 37.5	CONNECTION		872.87		CONCRETE COLLARS FOR PIPE REQ'D
C1502	811+90.49	LT 20.33	CONNECTION		871.43		STORM SEWER TAP REQ'D
C1503	813+83.07	LT 15.66	CONNECTION		872.51		CONCRETE COLLARS FOR PIPE REQ'D
C1504	813+87.93	LT 28.48	CONNECTION		872.45		CONCRETE COLLARS FOR PIPE REQ'D

SITE 8 - WHITNEY WAY AT REGENT STREET (ALIGNMENT WW)

S801	59+36.47	LT 48.26	2X3/SALVAGE CASTING	973.09	969.42	3.67	USE CASTING FROM IN3353-053
C801	59+36.47	LT 48.26	CONNECTION		969.37		STORM SEWER TAP REQ'D

SITE 2 - MINERAL POINT ROAD AT HIGH POINT ROAD (ALIGNMENT MP)

S201	80+59.09	RT 15.16	2X3-S/H	1070.35	1066.02	4.33	
S202	80+58.97	RT 0.49	2X3-S/H	1070.19	1065.70	4.49	
S205	79+50.54	RT 14.51	2X3-S/H-S	1068.13	1064.65	3.48	
S206	79+50.50	RT 1.39	2X3-S/H-S	1067.98	1064.02	3.96	
S207	79+38.76	LT 2.60	4 FT/J-S	1067.38	1063.47	3.91	FLAT TOP SLAB REQ'D
C202	79+38.29	RT 11.01	CONNECTION		1063.49		CONCRETE COLLARS FOR PIPE REQ'D
C201	79+39.03	LT 7.89	CONNECTION		1063.97		CONCRETE COLLARS FOR PIPE REQ'D

PROPOSED STORM PIPES

PIPE NO.	FROM (DISCH.)	TO (INLET)	DISCH. E.I.	INLET E.I.	PLAN (PAY) LGTH (FT)	PIPE LGTH (FT)	SLOPE %	PIPE SIZE (IN)	PIPE TYPE	NOTES
SITE 12 - UNIVERSITY AVENUE AT MIDVALE BOULEVARD										
P1211	AS1209	S1211	881.75	882.00	8	7.03	2.50%	12	RCP C-III	
P1210	C1209	AS1209	881.55	881.61	11	10.29	0.52%	12	RCP C-III	
P1209	S1210	S1209	880.50	880.75	4	3.41	3.93%	12	RCP C-III	
P1208	S1209	S1208	882.25	882.50	8	7.19	2.73%	12	RCP C-III	
P1204	AS1202	S1205	880.70	880.90	5	4.68	2.93%	12	RCP C-III	
P1203	S1203	S1204	879.75	880.00	3	2.58	4.53%	12	RCP C-III	
P1202	S1203	S1202	879.75	880.25	31	30.72	1.48%	12	RCP C-III	
P1201	S1202	S1201	880.50	881.00	23	22.17	1.99%	12	RCP C-III	
P1212	WYE CONNECTION	PLATFORM ROOF DRAIN	881.00	883.00	53	52.46	3.81%	8	PVC	
P1205	S1204	WYE CONNECTION	880.33	881.00	21	20.48	3.05%	8	RCP C-III	
SITE 8 - WHITNEY WAY AT REGENT STREET (ALIGNMENT WW)										
P801	AS808	S801	969.37	969.42	6	5.09	0.79%	12	RCP C-III	

SITE 15 - UNIVERSITY AVENUE AT ORCHARD STREET

P1509	SIDEWALK TRENCH DRAIN	PLATFORM ROOF DRAIN	873.55	873.58	3	2.48	1.00%	8	SCHEDULE 40 PVC	
P1508	SIDEWALK TRENCH DRAIN	PLATFORM ROOF DRAIN	873.82	873.84	3	2.08	1.00%	8	SCHEDULE 40 PVC	
P1507	SIDEWALK TRENCH DRAIN	P1506	873.46	873.84	76	75.01	0.50%	12	RCP C-III	
P1506	S1502	SIDEWALK TRENCH DRAIN	873.35	873.46	20	19.3	0.50%	8	SCHEDULE 40 PVC	
P1505	S1504	S1505	872.48	872.50	10	9.69	0.08%	14x23	RCP C-III	
P1504	S1503	S1504	872.44	872.45	13	12.07	0.08%	14x23	RCP C-III	
P1503	S1502	S1503	872.38	872.44	100	99.02	0.06%	14x23	RCP C-III	
P1502	S1501	S1502	872.36	872.38	19	18.56	0.08%	18	RCP C-III	
P1501	S1500	S1501	871.65	871.72	5	4.4	1.00%	14x23	RCP C-III	
P1500	AS1501	S1500	871.43	871.55	64	63.78	0.18%	14x23	RCP C-III	

SITE 2 - MINERAL POINT ROAD AT HIGH POINT ROAD

P209	P209	S201	1066.87	1066.35	27	26.62	1.85%	8	SCHEDULE 40 PVC	
P207	P207	S205	1065.68	1064.65	26	25.19	3.86%	8	SCHEDULE 40 PVC	
P206	S207	S206	1063.49	1064.02	9	8.86	4.28%	15	RCP C-III	
P205	S206	S205	1064.02	1064.07	12	11.12	0.38%	15	RCP C-III	
P204	S207	C202	1063.97	1064.07	15	14.51	0.61%	15	RCP C-III	
P203	C201	S207	1063.90	1063.97	4	3.17	1.41%	15	RCP C-III	
P202	S206	S202	1064.12	1065.70	106	105.49	1.46%	12	RCP C-III	
P201	S202	S201	1065.80	1066.02	13	12.69	1.50%	12	RCP C-III	

PLAN REVISION 13	06/24/24	VTC
ADDENDUM 1	11/16/23	VTC
REVISION	DATE	BY
MARK	2024-06-26	60631225P
Designed By: AECOM/Date: 2024-06-26		
Scale: 1"=20 FT		

60631225P
CITY OF MADISON, DANE COUNTY, WI
CONTRACT NO: 60631225C


STRUCTURES TABLE
BUS RAPID TRANSIT
CITY OF MADISON



60631225P

P38-E

STORM SEWER SCHEDULE

REVISED 06/24/2024 VTC 

REMOVE STORM PIPES

PIPE NO. REMOVE FROM REMOVE TO LGTH (FT) PAID (Y/N) PAY LGTH (FT) PIPE SIZE (IN) PIPE TYPE NOTES

SITE 4 - MINERAL POINT ROAD AT GRAND CANYON DRIVE

RP402	C403	C404	7.93	Y	8	15	RCP C-III
RP401	C401	C402	12.56	Y	13	15	RCP C-III

SITE 1 - JUNCTION ROAD

RP102	AE-2156-074	S116	3.94	Y	4	18	RCP C-III
RP103	S118	AE2156-075	35.74	Y	36	21	RCP C-III

SITE 12 - UNIVERSITY AVENUE AT MIDVALE BOULEVARD

RP1205	RS1208	RS1209	10.00	Y	10	12	RCP C-III
RP1204	RS1207	RS1208	11.48	Y	12	12	RCP C-III
RP1203	RS1210	RS1211	9.54	Y	10	12	RCP C-III
RP1202	RS1203	RS1204	8.62	Y	9	12	RCP C-III
RP1201	RS1201	RS1202	8.32	Y	9	12	RCP C-III

SITE 15 - UNIVERSITY AVENUE AT ORCHARD STREET

RP1501	S1501	RS1501	92.21	Y	93	18	RCP C-III
RP1502	RS1502	S1504	7.89	Y	8	18	RCP C-III
RP1503	S1503	RS1502	10.75	Y	11	12	RCP C-III
RP1504	S1505	RS1502	11.03	Y	12	18	RCP C-III

SITE 2 - MINERAL POINT ROAD AT HIGH POINT ROAD

RP202	C201	RS201	10.21	Y	11	15	RCP C-III
RP201	RS201	RS202	8.05	Y	9	15	RCP C-III

SITE 7 - WHITNEY WAY AT MINERAL POINT ROAD

RP701	RS701	RS702	8.14	Y	9	12	RCP C-III
RP702	RS702	S703	6.84	Y	7	12	RCP C-III

SITE 16 - JOHNSON STREET AT ORCHARD STREET

RP1601	RS1601	P1601	11.00	Y	11	12	RCP C-III
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SITE 47 - RANDALL AVE ROADWAY WORK

RP4701	RS4701	P4701	24.65	Y	25	12	RCP C-III
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SITE 44 - SHEBOYGAN & WHITNEY WAY ROADWAY IMPROVEMENTS

RP4401	RS4401	RS4402	19.84	Y	20	12	RCP C-III
RP4402	RS4403	RS4401	32.57	Y	33	12	RCP C-III

SITE 42 - HANSON RD

RP4201	RS4201	AS4201	13.59	Y	14	18	CMP
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ABANDON STORM PIPES

PIPE NO. FROM (DNSTR) TO (UPSTR) LENGTH (FT) PIPE SIZE (IN) PIPE TYPE PAID (Y/N) NOTES

SITE 12 - UNIVERSITY AVENUE AT MIDVALE BOULEVARD

AP1203	S1207	RS1207	10	12	RCP C-III	Y
AP1202	AS1202	RS1203	8	12	RCP C-III	Y
AP1201	AS1202	RS1201	33	12	RCP C-III	Y

SITE 15 - UNIVERSITY AVENUE AT ORCHARD STREET

AP1502	RS1502	RS1501	91	18	RCP C-III	Y
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06/24/24	VTC
05/30/23	VTC
04/24/23	VTC
03/08/23	VTC
DATE	BY
REVISION	
MARK	
Designed By: AECOM	Date: 2024-06-26
60631225P	
Scale: 1"=20 FT	

STRUCTURES TABLE
 60631225P
 CITY OF MADISON, DANE COUNTY, WI
 BUS RAPID TRANSIT
 CITY OF MADISON
 CONTRACT NO: 60631225C



60631225P

P41-E