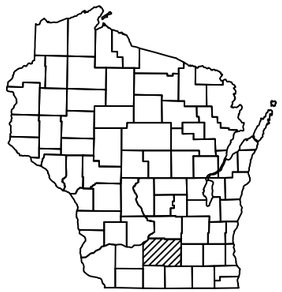
PROJECT ID: 5845-01-76
WITH: 5845-01-78

COUNTY: DANE

ORDER OF SHEETS

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

TOTAL SHEETS =



N

DESIGN DESIGNATION

A.A.D.T.	(2022)	= 14,500
A.A.D.T.	(2042)	= 18,200
D.H.V.	(6.5%)	= 1,183
D.D.		= 59/41
T. (DHV)		= 7.6%
DESIGN SPEED		= 40 MPH
ESALS		= 3,300,000

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 (300'EB')
- 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)
- OVERHEAD UTILITY (OH)
- FIBER OPTIC (FO)
- GAS (G)
- SANITARY SEWER (SAN)
- STORM SEWER (SS)
- TELEPHONE (T)
- WATER (W)
- UTILITY PEDESTAL
- POWER POLE
- TELEPHONE POLE

STATE OF WISCONSIN

DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

STOUGHTON - MADISON

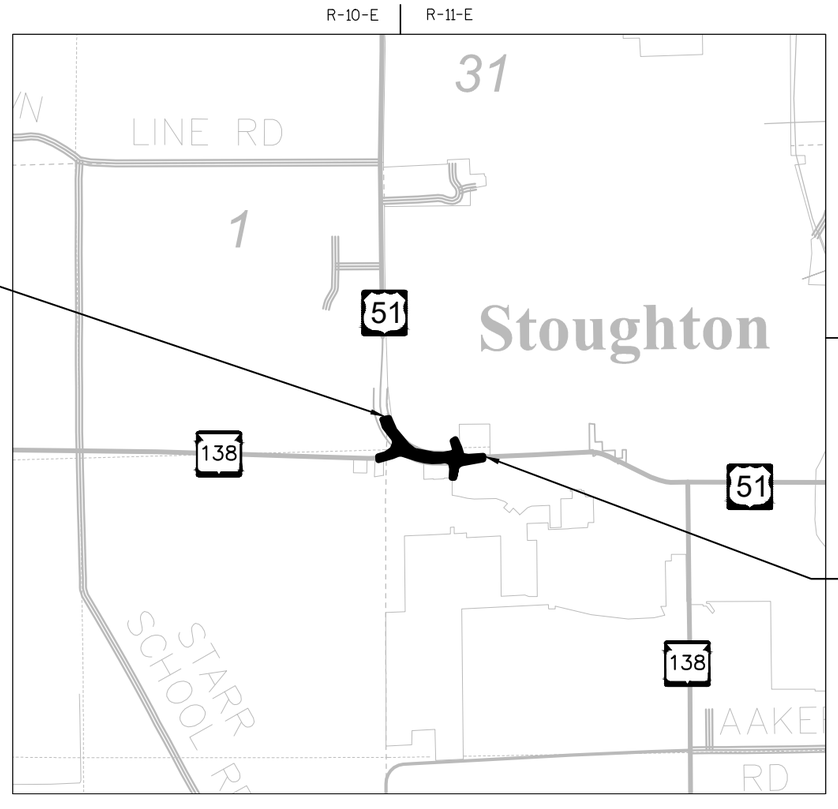
STH 138 INTERSECTION

USH 51

DANE COUNTY

STATE PROJECT NUMBER
5845-01-76

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
5845-01-76		



LAYOUT

SCALE 0 — 1/2 MILE

TOTAL NET LENGTH OF CENTERLINE = 0.376 MI

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD88 (2007), IN U.S. SURVEY FEET. ELEVATIONS SHOWN ON THIS PLAN ARE REFENENCED TO THE NORTH AMERICAN DATUM OF 2007 (NAVD88). VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.
ELEVATIONS SHOWN ON THE PLAN REFERENCE TO THE NORTH AMERICAN VERTICAL DATUM OF 1988, NAVD(2012).

ORIGINAL PLANS PREPARED BY:

STRAND ASSOCIATES®

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	STRAND ASSOCIATES, INC.
Designer	STRAND ASSOCIATES, INC.
Project Manager	ALEX HAGEN, P.E.
Regional Examiner	
Regional Supervisor	KARLA KNORR, P.E.

APPROVED FOR THE DEPARTMENT

DATE: _____ _____ (Signature)

E

GENERAL NOTES

EROSION CONTROL FEATURES AS SHOWN IN THE PLANS ARE AT SUGGESTED LOCATIONS. EXACT LOCATIONS WILL BE DETERMINED BY THE CONTRACTOR'S EROSION CONTROL IMPLEMENTATION PLAN (ECIP) AND APPROVED BY THE ENGINEER IN CONSULTATION WITH THE WISCONSIN DEPARTMENT OF NATURAL RESOURCES. MAINTAIN ALL EROSION CONTROL MEASURES UNTIL SUCH TIME AS THE ENGINEER DETERMINES THE MEASURE IS NO LONGER NECESSARY.

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

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

ALL EXISTING SIGNS SHALL REMAIN IN PLACE UNTIL CONSTRUCTION OPERATIONS REQUIRE THEIR REMOVAL OR UNLESS THE ENGINEER APPROVES THEIR REMOVAL.

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY SHALL BE RESTORED AS DIRECTED BY THE ENGINEER.

THE LOCATION AND WIDTH OF DRIVEWAYS WILL BE DETERMINED BY THE ENGINEER.

RADIUS DIMENSIONS FOR THE CURB AND GUTTER ARE TO THE FLANGE LINE UNLESS OTHERWISE NOTED.

STORM SEWER PIPE ELEVATIONS, LENGTH, AND LOCATIONS AS SHOWN ON THE PLANS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.

THE CONTRACTOR'S PAVING OPERATIONS SHALL BE CONSISTENT WITH THE PLAN TYPICAL SECTIONS AND CONSTRUCTED TO PREVENT HMA LONGITUDINAL JOINTS FROM BEING LOCATED WITHIN A DRIVING, TURNING, OR BIKE LANE.

HMA PAVEMENT SUMMARY:

5-INCH HMA PAVEMENT		
LAYER	THICKNESS	HMA TYPE
UPPER	2-INCHES	4 MT 58-28 H
LOWER	3-INCHES	3 MT 58-28 S

4-INCH HMA PAVEMENT		
LAYER	THICKNESS	HMA TYPE
UPPER	2-INCHES	4 MT 58-28 H
LOWER	2-INCHES	3 MT 58-28 S

3.5-INCH HMA SHOULDERS		
LAYER	THICKNESS	HMA TYPE
UPPER	3.5-INCHES	4 MT 58-28 S

UTILITIES

ATT WISCONSIN

CAROL ANASON
316 W WASHINGTON AVENUE
MADISON, WI 53701
PH: (608) 252-2385
ca2624@att.com

ALLIANT ENERGY GAS/PETROLEUM

MIKE BROLIN
4902 N BILTMORE LANE
SUITE 1000
MADISON, WI 53718
PH: (608) 458-4871
MichaelBrolin@alliantenergy.com

CHARTER COMMUNICATIONS

BRANDON STORM
2701 DANIELS STREET
MADISON, WI 53718
PH: (608) 274-3822
brandon.storm@charter.com

CITY OF STOUGHTON UTILITIES - ELECTRICITY

SEAN GRADY
600 S. 4TH STREET
P.O. BOX 383
STOUGHTON WI, 53589
PH: (608) 873-3379
sogrady@stoughtonutilities.com

CITY OF STOUGHTON UTILITIES - SEWER

SEAN GRADY
600 S. 4TH STREET
P.O. BOX 383
STOUGHTON WI, 53589
PH: (608) 873-3379
sogrady@stoughtonutilities.com

CITY OF STOUGHTON UTILITIES - WATER

SEAN GRADY
600 S. 4TH STREET
P.O. BOX 383
STOUGHTON WI, 53589
PH: (608) 873-3379
sogrady@stoughtonutilities.com

OTHER CONTACTS

WISDOT REGION CONTACT

ALEX HAGEN, P.E.
WISDOT SOUTHWEST REGION
MADISON OFFICE
2101 WRIGHT STREET
MADISON, WI 53704
PH: (608) 246-3830
alex.hagen@dot.wi.gov

WISDNR CONTACT

ERIC HEGGELUND
DNR - SOUTH CENTRAL REGION HEADQUARTERS
2911 FISH HATCHERY ROAD
FITCHBURG, WI53711
eric.heggelund@wisconsin.gov

DESIGN CONSULTANT

KYLE HENDERSON, P.E.
STRAND ASSOCIATES, INC.
910 WEST WINGRA DRIVE
MADISON, WI 53715
PH: (608) 251-4843
kyle.henderson@strand.com

SECTION 2 ORDER OF SHEETS

GENERAL NOTES
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
PLAN DETAILS
PAVING GRADES
EROSION CONTROL
STORM SEWER
PERMANENT SIGNING
ADVANCED WARNING SIGNING
LIGHTING PLAN
TRAFFIC SIGNALS
PAVEMENT MARKING
CONSTRUCTION STAGING
ALIGNMENT DETAILS

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

2

END CONSTRUCTION
STA. 35+51.63 B

35+00 B

END PROJECT
STA. 29+87.22 A

30+00 B

ACCESS DR

CITY OF STOUGHTON

S-13-557

DVORAK CT

SILVERADO DR

CITY OF STOUGHTON

TOWN OF DUNKIRK

BEGIN CONSTRUCTION
STA. 10+00.00 A7

10+00 A

S-13-556

END CONSTRUCTION
STA. 12+64.64 H

HOIBY RD

20+00 A

20+00 B

S-13-554

BEGIN PROJECT
STA. 10+00.00 A
X = 858,720.94
Y = 425,822.08

10+00 A

10+00 B

USH 51

BEGIN CONSTRUCTION
STA. 8+24.86 A

STH 138

TOWN OF RUTLAND

10+00 B3

S-13-558

BEGIN CONSTRUCTION
STA. 8+30.33 B3

MCCOMB RD

S-13-555

WEEK RD

BEGIN CONSTRUCTION
STA. 10+00.00 V

END CONSTRUCTION
STA. 11+47.51 M

10+00 A3

HOEL AVE

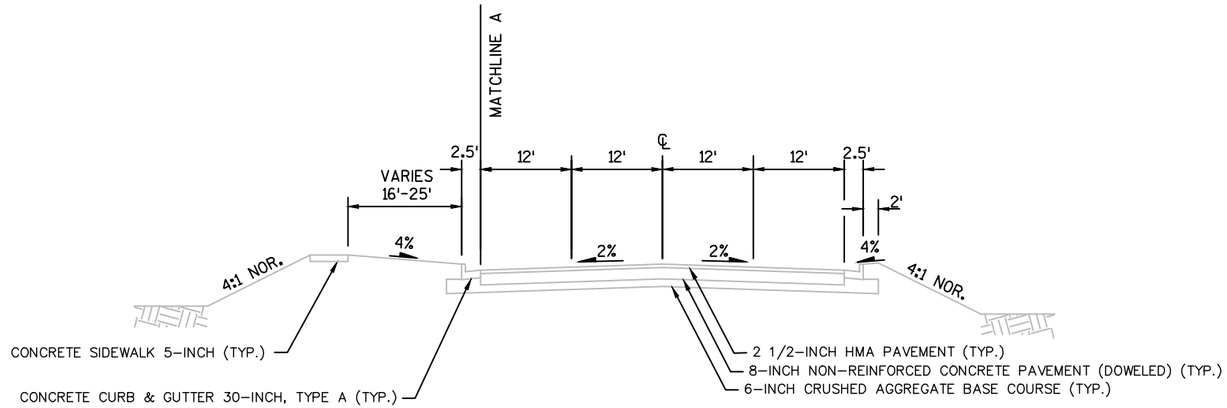
TOWN OF DUNKIRK

BEGIN CONSTRUCTION
STA. 10+00.00 A3

PROJECT NO:5845-01-76	HWY: USH 51	COUNTY: DANE	PROJECT OVERVIEW	SHEET -----	E

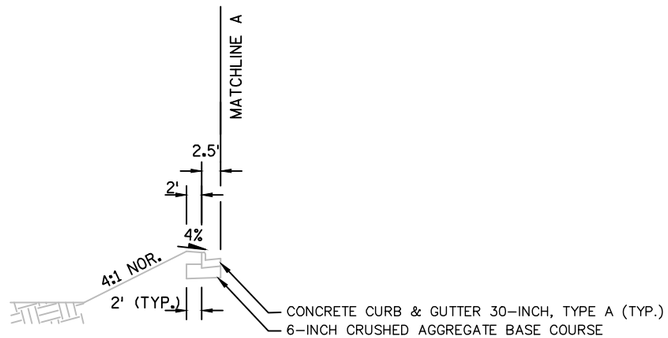
FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\020201_PO.DWG
LAYOUT NAME - 020201_PO

PLOT DATE : 9/1/2020 9:35 AM PLOT BY : LYNCH, CHRIS PLOT NAME : ---------- PLOT SCALE : 1:200_XREF

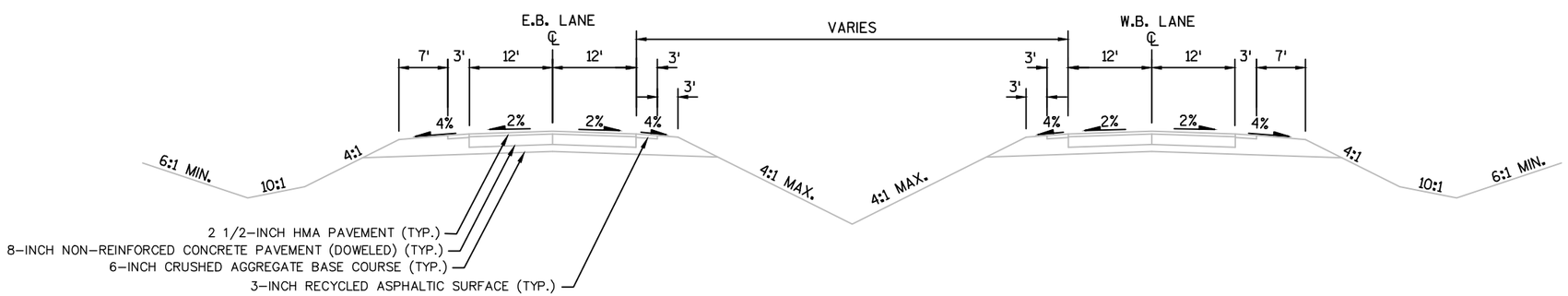


TYPICAL EXISTING SECTION - USH 51

STA. 10+00.00 A - STA. 14+70.62 A
STA. 10+00.00 B - STA. 14+70.62 B



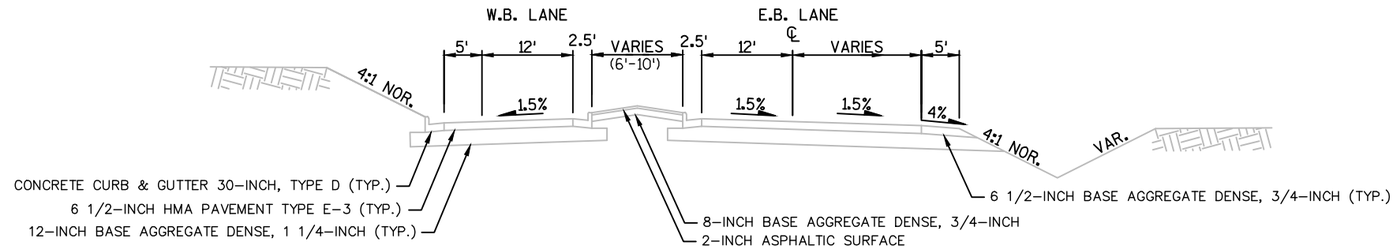
STA. 13+16.94 A - STA. 14+70.62 A
STA. 13+16.94 B - STA. 14+70.62 B



TYPICAL EXISTING SECTION - USH 51

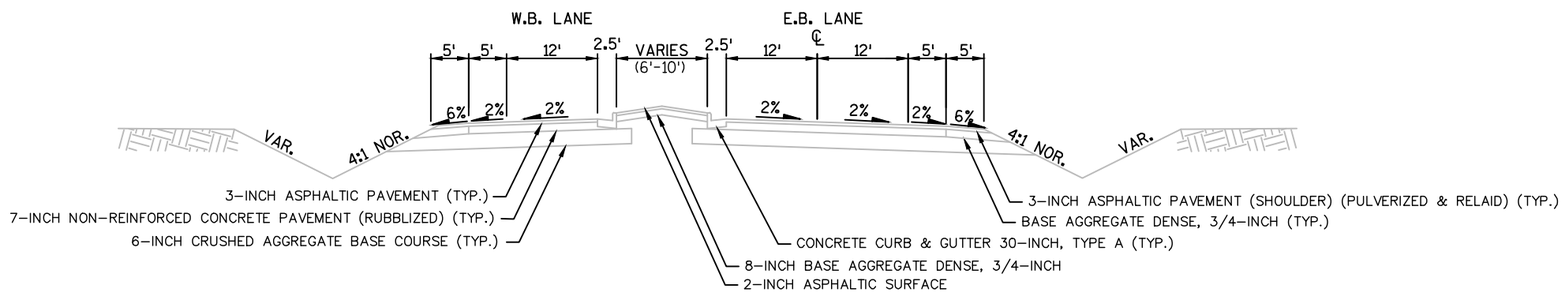
STA. 14+70.62 A - STA. 29+87.22 A
STA. 14+70.62 B - STA. 30+71.47 B

PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	EXISTING TYPICAL SECTIONS	SHEET	E



TYPICAL EXISTING SECTION - STH 138

STA. 10+00.00 B3 - STA. 12+07.00 B3



TYPICAL EXISTING SECTION - STH 138

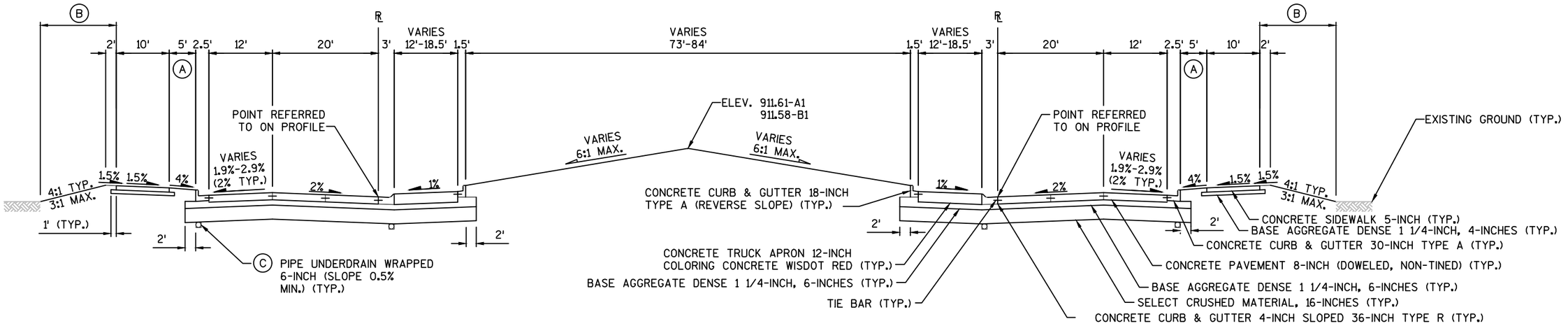
STA. 12+07.00 B3 - STA. 13+80.65 B3

PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	EXISTING TYPICAL SECTIONS	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\020301_TS.DWG
LAYOUT NAME - 020302_TS

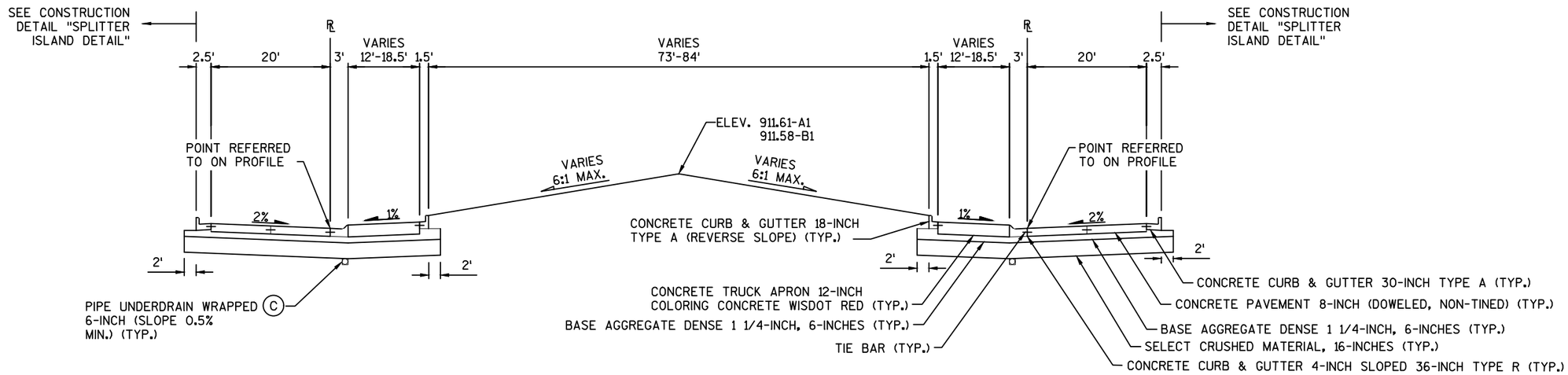
PLOT DATE : 9/1/2020 9:39 AM PLOT BY : LYNCH, CHRIS PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 42



TYPICAL FINISHED SECTION THROUGH ROUNDABOUT

STA. 10+11.68 A1 - STA. 11+45.72 A1
STA. 11+95.02 A1 - STA. 13+32.09 A1
STA. 10+00.00 B1 - STA. 13+20.31 B1



TYPICAL FINISHED SECTION THROUGH ROUNDABOUT

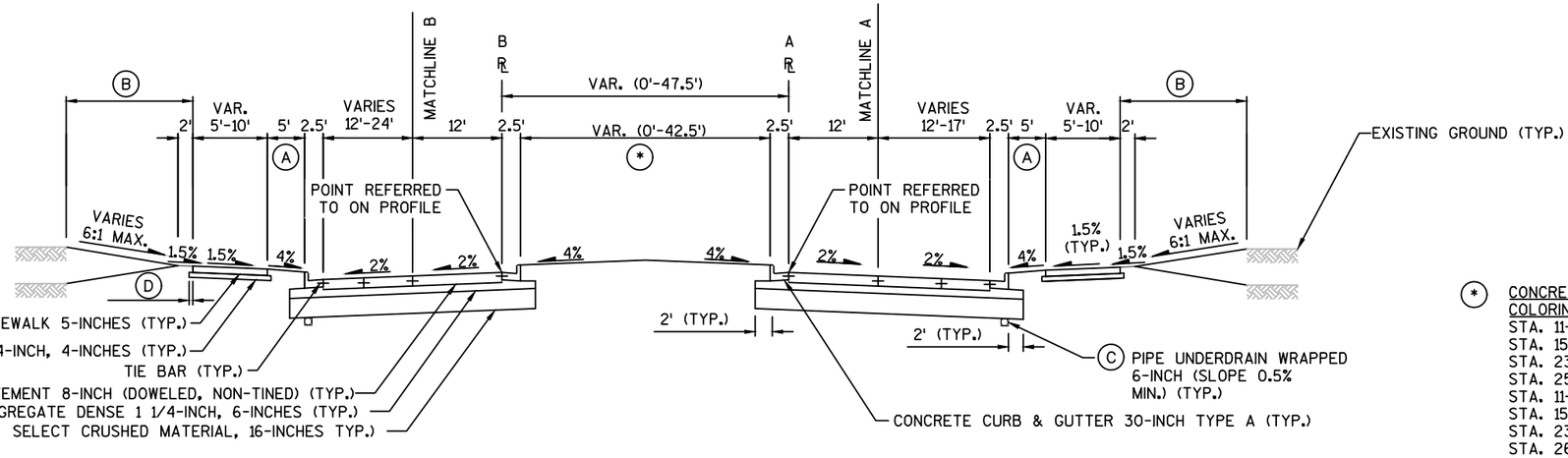
STA. 10+00.00 A1 - STA. 10+11.68 A1
STA. 11+45.72 A1 - STA. 11+95.02 A1
STA. 13+32.09 A1 - STA. 13+67.57 A1
STA. 13+20.31 B1 - STA. 13+67.57 B1

(A) TOPSOIL, SOD LAWN, AND FERTILIZER TYPE B

(B) TOPSOIL, FERTILIZER TYPE B: SEEDING MIXTURE NO. 30, AND EROSION MAT URBAN CLASS 1 TYPE A

(C) INSTALL PIPE UNDERDRAIN AT PROPOSED LOW POINTS. SEE MISCELLANEOUS QUANTITIES FOR LOCATIONS

PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	TYPICAL FINISHED SECTION	SHEET	E



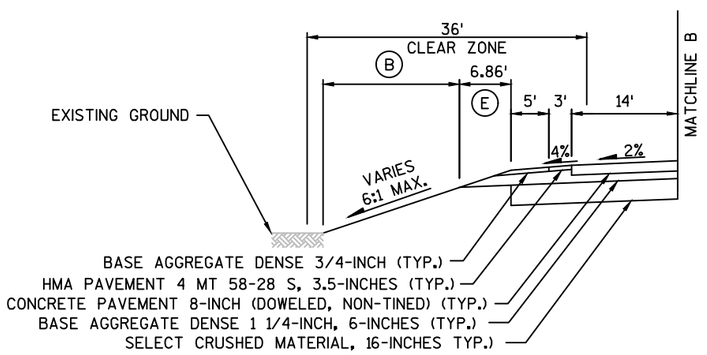
**EXISTING SIDEWALK TO REMAIN
STA. 10+00.00 A - 11+21.64 A LT

(*) CONCRETE SIDEWALK 5-INCH, COLORING CONCRETE WISDOT RED
STA. 11+72.6 A - 13+97.42 A
STA. 15+58.01 A - 16+68.94 A
STA. 23+00.85 A - 24+01.90 A
STA. 25+63.84 A - 26+69.51 A
STA. 11+72.00 B - 14+04.98 B
STA. 15+67.12 B - 16+68.88 B
STA. 23+11.47 B - 24+22.82 B
STA. 26+05.05 B - 27+02.69 B

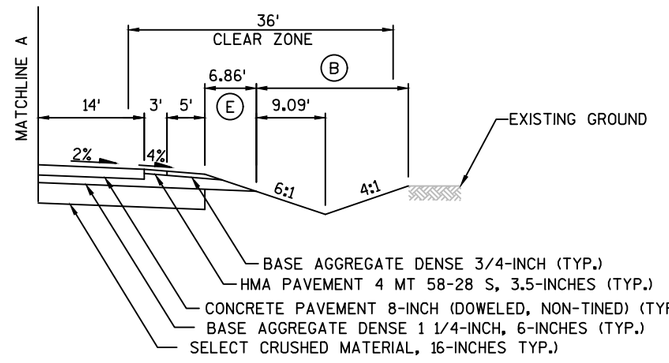
GRASS MEDIAN
STA. 16+68.94 A - 23+00.85 A
STA. 26+69.51 A - 29+87.22 A
STA. 16+68.88 B - 23+11.47 B
STA. 27+02.69 B - 30+71.47 B

TYPICAL FINISHED SECTION - USH 51 ROUNDABOUT APPROACH

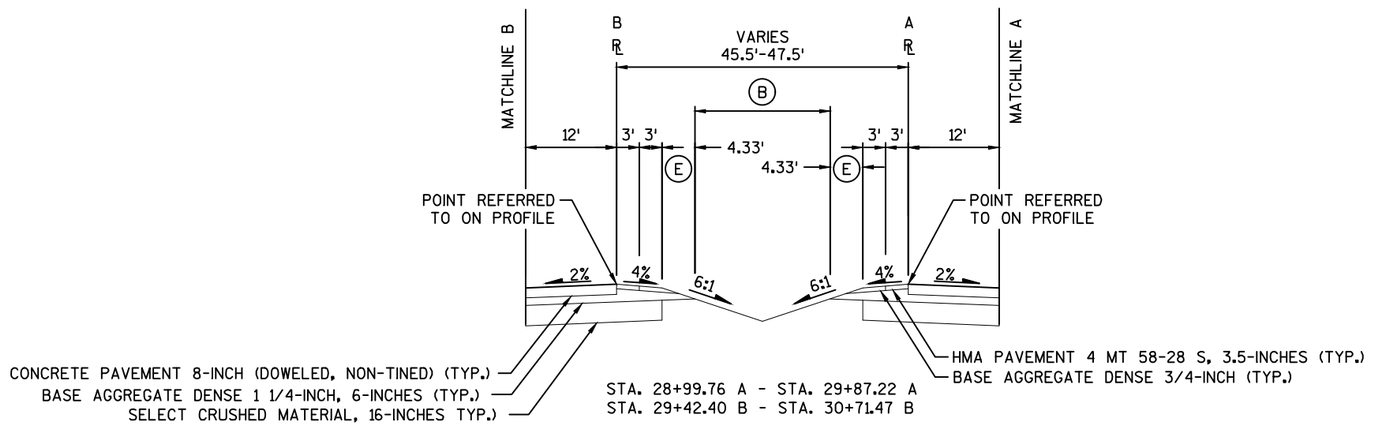
STA. 10+00.00 A - STA. 14+05.40 A
STA. 15+48.52 A - STA. 24+08.09 A
STA. 25+54.35 A - STA. 29+87.22 A
STA. 10+00.00 B - STA. 14+14.48 B
STA. 15+59.13 B - STA. 24+30.83 B
STA. 25+97.04 B - STA. 30+71.47 B



STA. 27+62.69 B - STA. 30+71.47 B
(STATION LT SHOWN. REVERSED FOR STATION RT)



STA. 26+39.08 A - STA. 29+87.22 A
(STATION RT SHOWN. REVERSED FOR STATION LT)



STA. 28+99.76 A - STA. 29+87.22 A
STA. 29+42.40 B - STA. 30+71.47 B

(A) TOPSOIL, SOD LAWN, AND FERTILIZER TYPE B

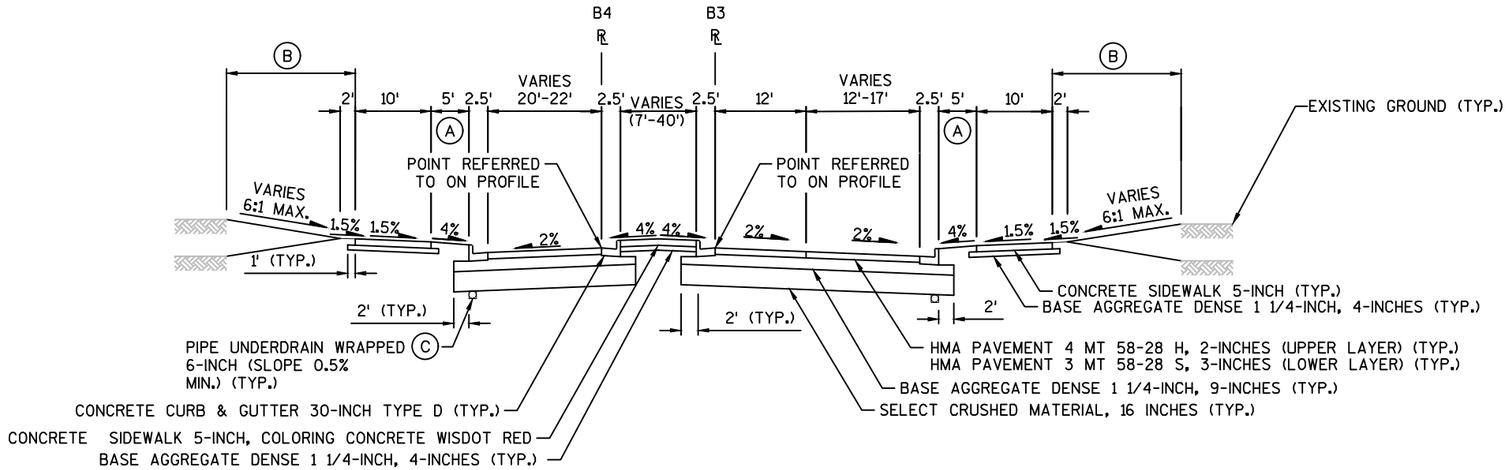
(B) TOPSOIL, FERTILIZER TYPE B: SEEDING MIXTURE NO. 30, AND EROSION MAT URBAN CLASS 1 TYPE A

(C) INSTALL PIPE UNDERDRAIN AT PROPOSED LOW POINTS. SEE MISCELLANEOUS QUANTITIES FOR LOCATIONS

(D) 0.5' FOR 5' WIDE SIDEWALK AND 1' FOR MULTI-USE PATH OVER 5' WIDE

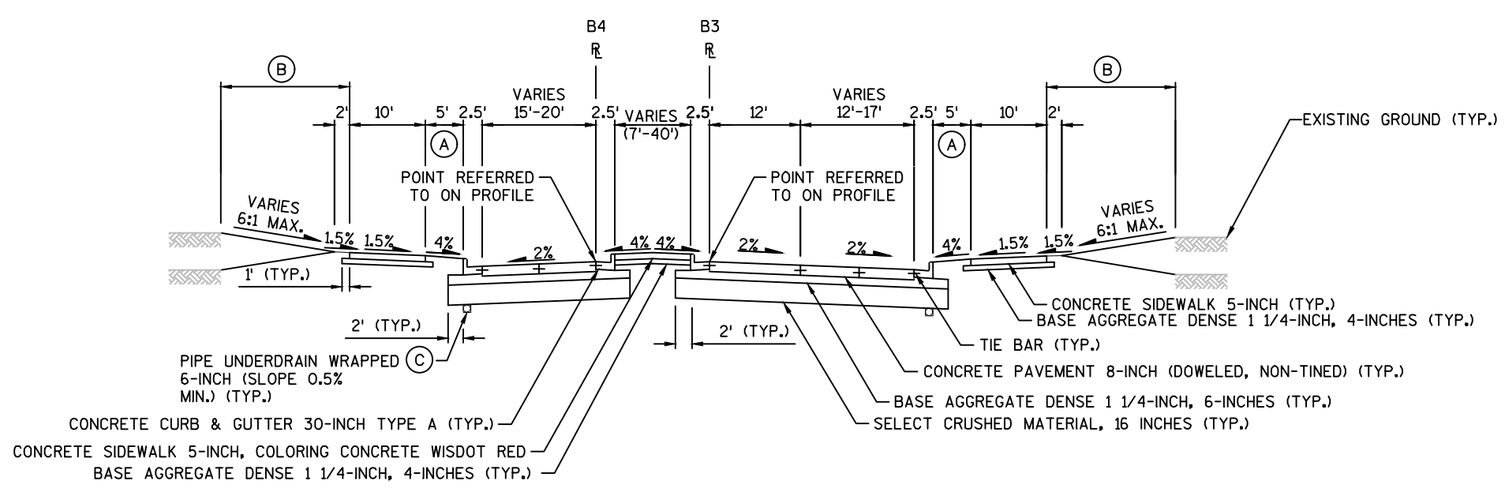
(E) FERTILIZER TYPE B: SEEDING MIXTURE NO. 30

PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	TYPICAL FINISHED SECTION	SHEET	E



TYPICAL FINISHED SECTION - STH 138 ROUNDABOUT APPROACH

STA. 10+00.00 B3 - STA. 11+53.57 B3



TYPICAL FINISHED SECTION - STH 138 ROUNDABOUT APPROACH

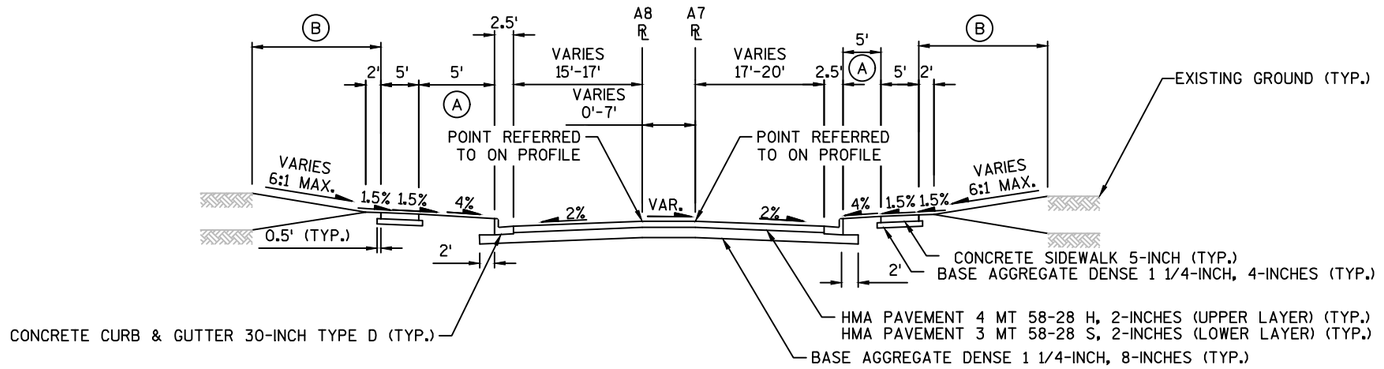
STA. 11+53.57 B3 - STA. 13+80.66 B3

(A) TOPSOIL, SOD LAWN, AND FERTILIZER TYPE B

(B) TOPSOIL, FERTILIZER TYPE B: SEEDING MIXTURE NO. 30, AND EROSION MAT URBAN CLASS 1 TYPE A

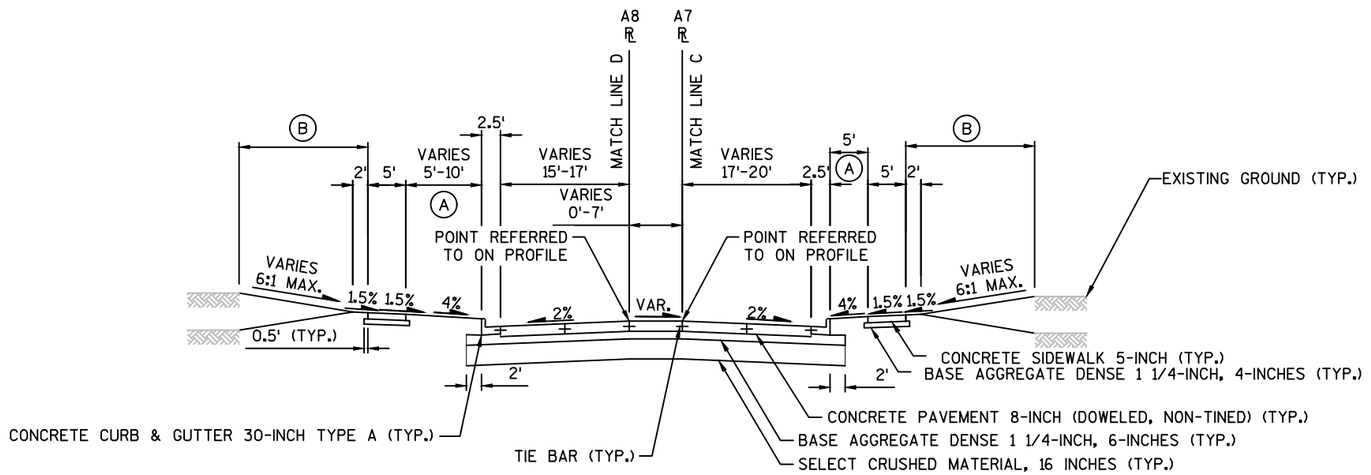
(C) INSTALL PIPE UNDERDRAIN AT PROPOSED LOW POINTS. SEE MISCELLANEOUS QUANTITIES FOR LOCATIONS

PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	TYPICAL FINISHED SECTION	SHEET	E



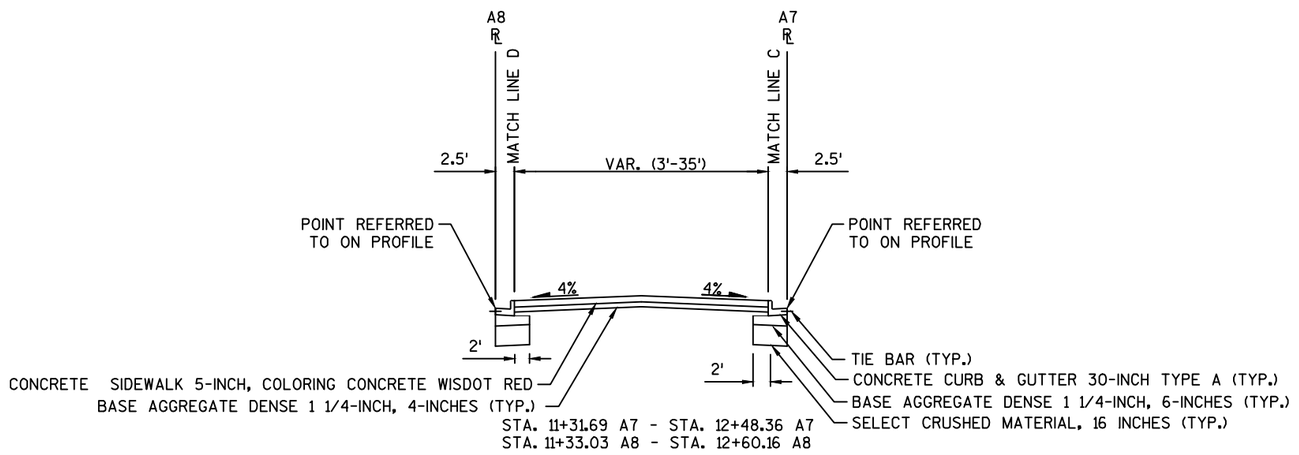
TYPICAL FINISHED SECTION - SILVERADO DRIVE ROUNDABOUT APPROACH

STA. 10+00.00 A7 - STA. 11+25.90 A7
STA. 10+00.00 A8 - STA. 11+27.40 A8



TYPICAL FINISHED SECTION - SILVERADO DRIVE ROUNDABOUT APPROACH

STA. 11+25.90 A7 - STA. 12+48.36 A7
STA. 11+24.40 A8 - STA. 12+60.16 A8



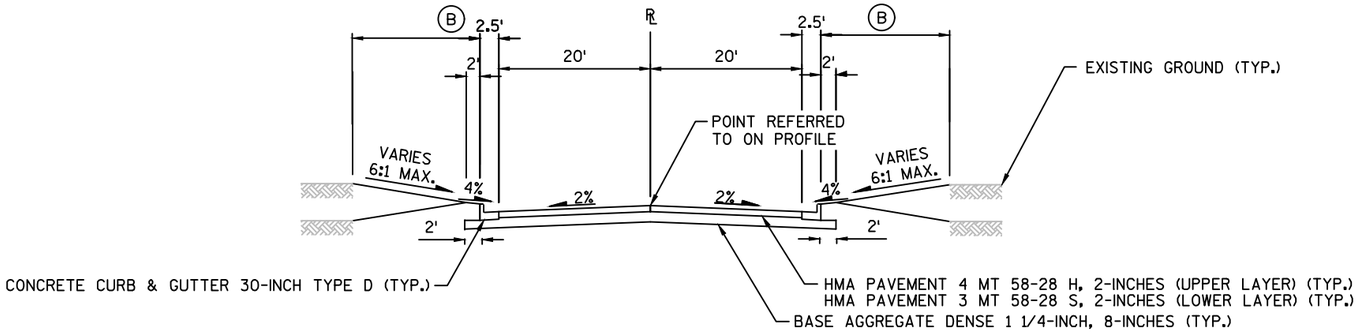
(A) TOPSOIL, SOD LAWN, AND FERTILIZER TYPE B

(B) TOPSOIL, FERTILIZER TYPE B: SEEDING MIXTURE NO. 30, AND EROSION MAT URBAN CLASS 1 TYPE A

PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	TYPICAL FINISHED SECTION	SHEET	E

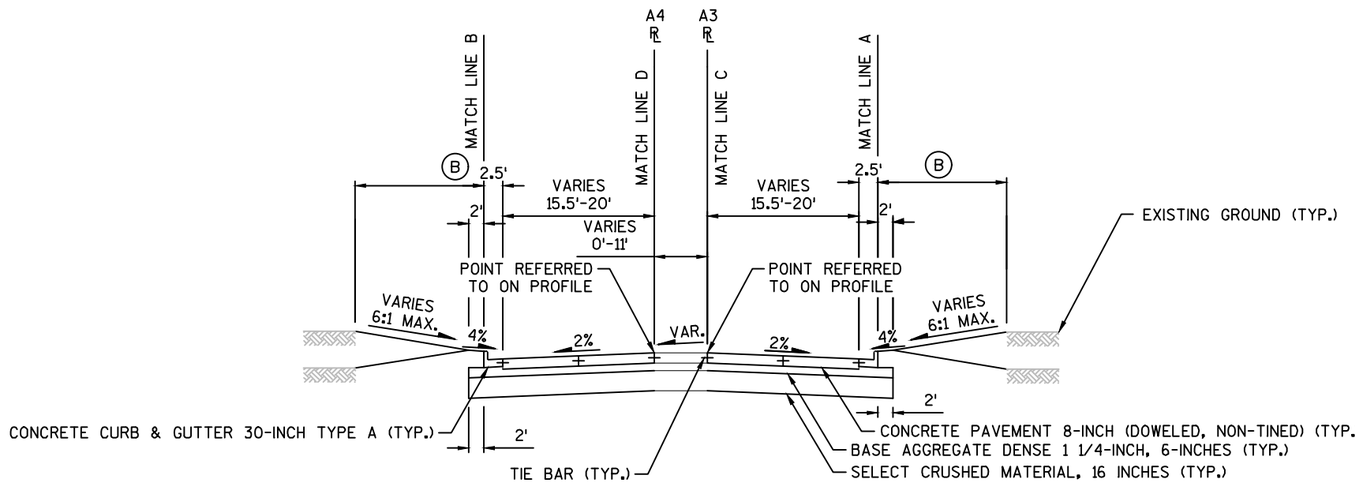
Ⓐ TOPSOIL, SOD LAWN, AND FERTILIZER TYPE B

Ⓑ TOPSOIL, FERTILIZER TYPE B: SEEDING MIXTURE NO. 30, AND EROSION MAT URBAN CLASS 1 TYPE A



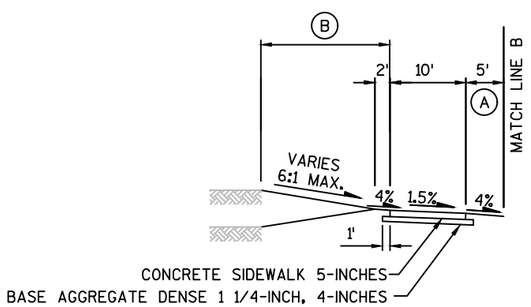
TYPICAL FINISHED SECTION - HOEL AVENUE ROUNDABOUT APPROACH

STA. 10+00.00 A3 - STA. 11+23.08 A3
STA. 10+00.00 A4 - STA. 11+23.08 A4

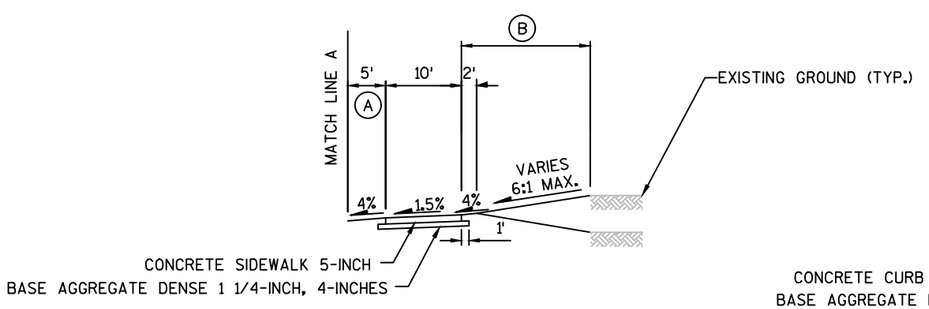


TYPICAL FINISHED SECTION - HOEL AVENUE ROUNDABOUT APPROACH

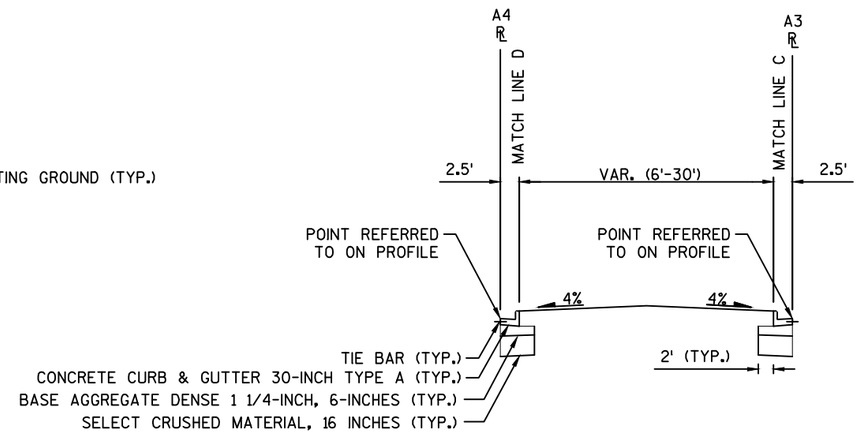
STA. 11+23.08 A3 - STA. 12+54.65 A3
STA. 11+23.08 A4 - STA. 12+58.51 A4



STA. 12+19.03 A4 - STA. 12+58.51 A4
STA. 1093.79 A5 - STA. 11+28.05 A5



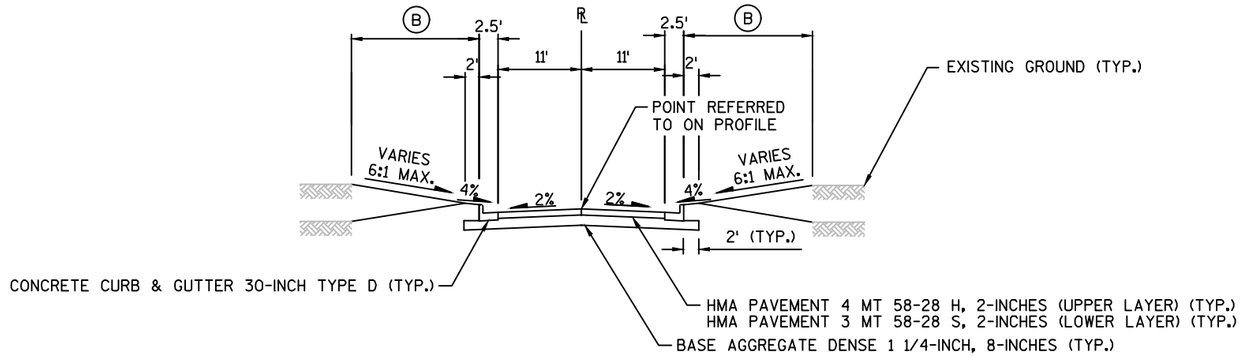
STA. 12+11.88 A3 - STA. 12+54.65 A3
STA. 12+16.57 A2 - STA. 12+46.42 A2



STA. 11+87.50 A3 - STA. 12+54.53 A3
STA. 11+87.14 A4 - STA. 12+58.51 A4

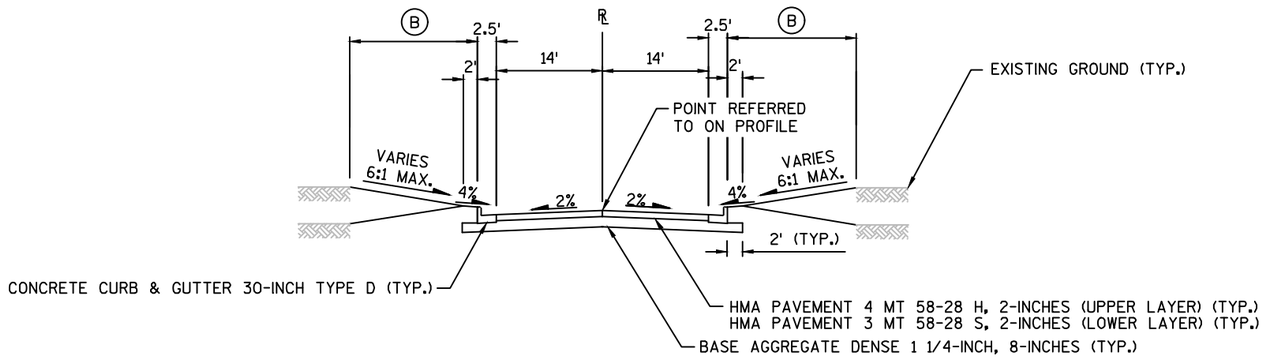
PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	TYPICAL FINISHED SECTION	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\020303_TS.DWG
LAYOUT NAME - 020307_TS
PLOT DATE : 9/1/2020 9:39 AM PLOT BY : LYNCH, CHRIS PLOT NAME : PLOT SCALE : 1 IN:20 FT



TYPICAL FINISHED SECTION - HOIBY ROAD

STA. 10+26.90 H - STA. 12+64.64 H

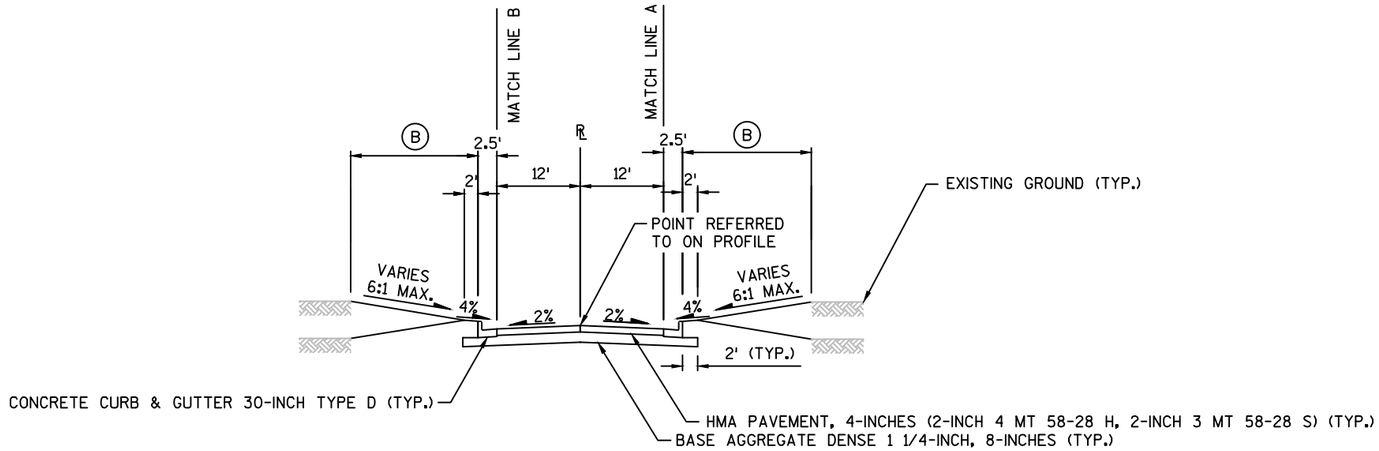


TYPICAL FINISHED SECTION - McCOMB ROAD

STA. 10+42.68 M - STA. 11+47.51 M

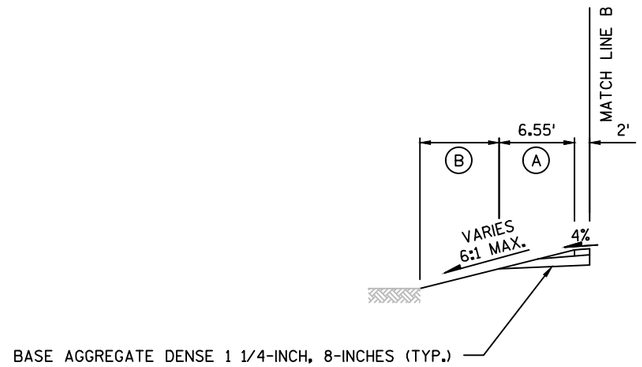
(B) TOPSOIL, FERTILIZER TYPE B: SEEDING MIXTURE NO. 30, AND EROSION MAT URBAN CLASS 1 TYPE A

PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	TYPICAL FINISHED SECTION	SHEET	E

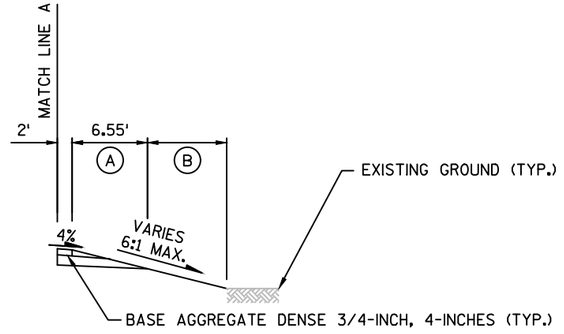


TYPICAL FINISHED SECTION - VEEK ROAD

STA. 10+00.00 V - STA. 10+77.87 V



STA. 10+00.00 V - STA. 10+59.19 V

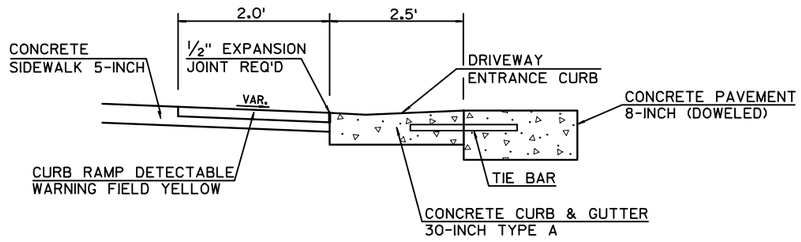


STA. 10+00.00 V - STA. 10+49.87 V

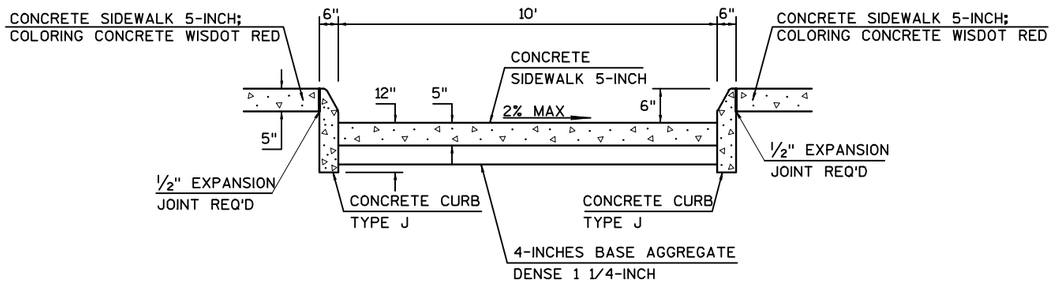
(A) FERTILIZER TYPE B:
SEEDING MIXTURE NO. 30

(B) TOPSOIL, FERTILIZER TYPE B:
SEEDING MIXTURE NO. 30, AND
EROSION MAT URBAN CLASS 1
TYPE A

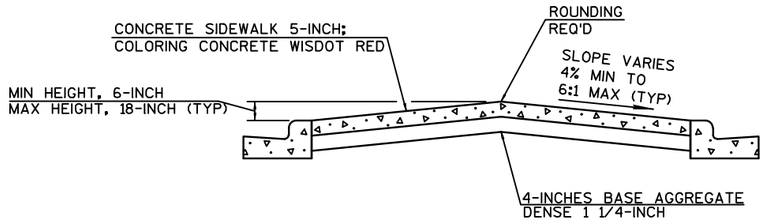
PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	TYPICAL FINISHED SECTION	SHEET	E



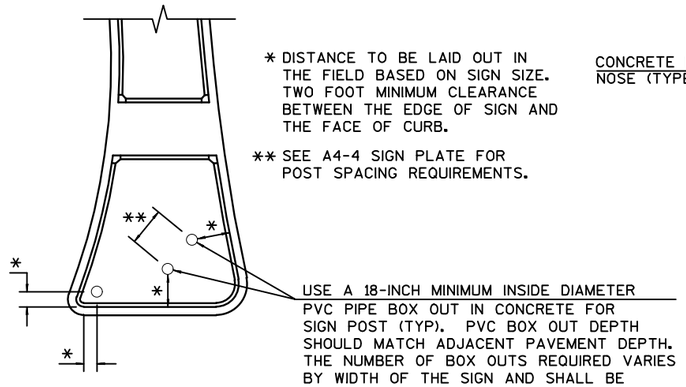
SECTION A-A



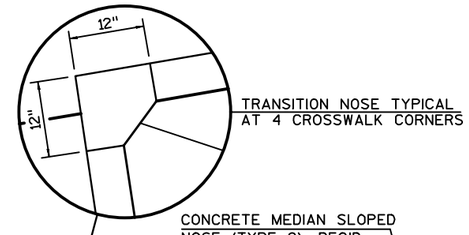
SECTION B-B

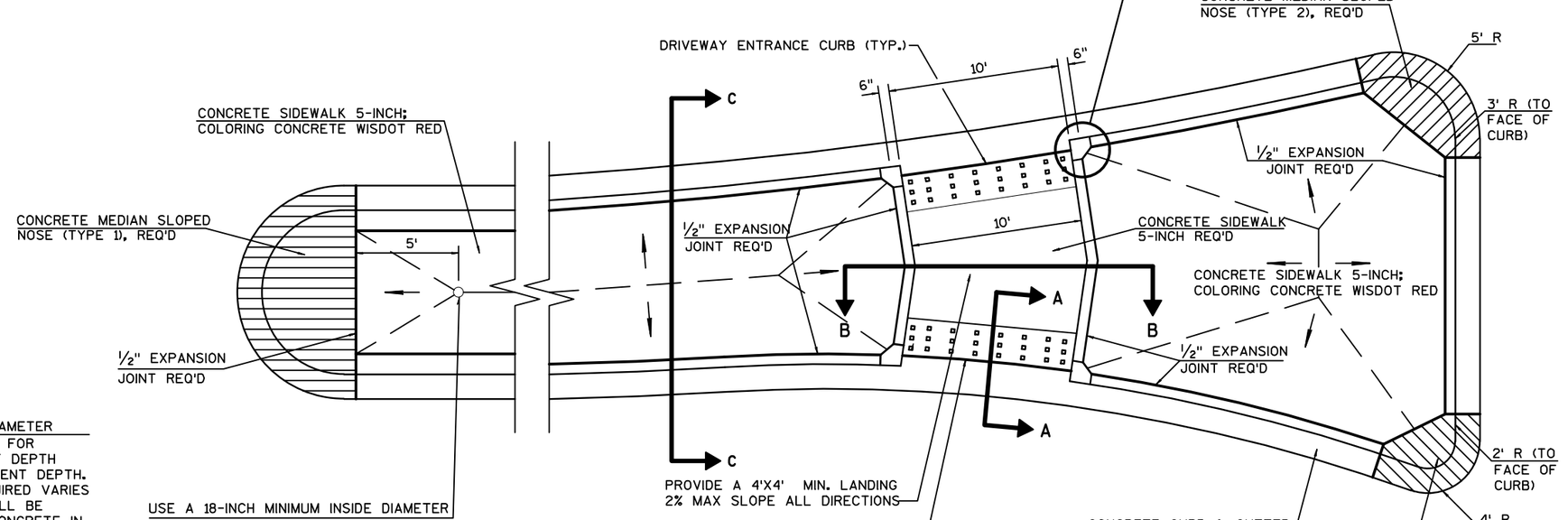


SECTION C-C



CENTER AND SPLITTER ISLAND SIGN LOCATION DETAIL (TYP)



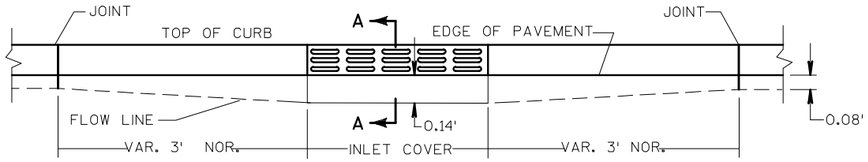


USE A 18-INCH MINIMUM INSIDE DIAMETER PVC PIPE BOX OUT IN CONCRETE FOR SIGN POST (TYP). THE NUMBER OF BOX OUTS REQUIRED VARIES BY WIDTH OF THE SIGN AND SHALL BE VERIFIED BEFORE PLACING THE CONCRETE IN THE ISLAND. SEE A4-3B SIGN PLATE FOR BOX OUT DETAIL.

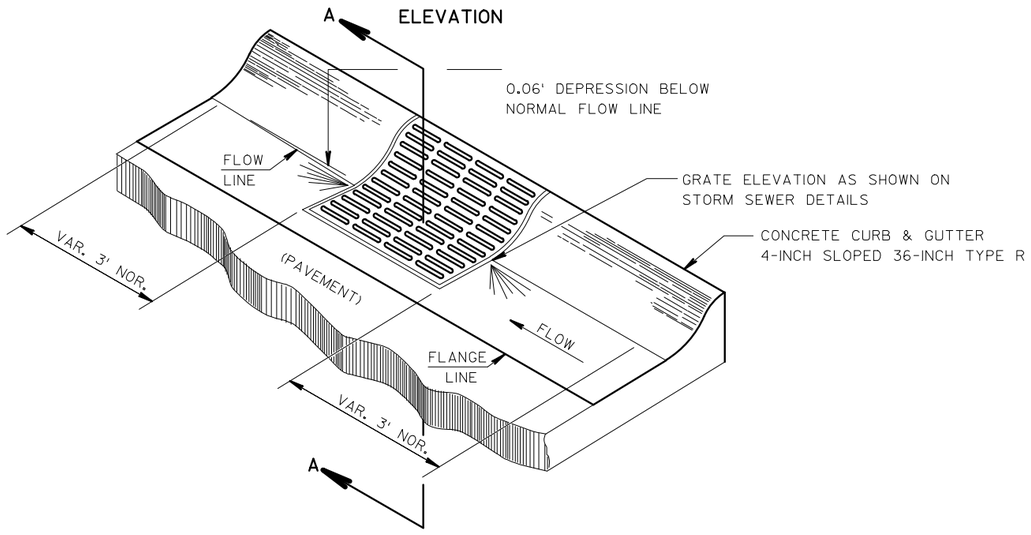
NOTES: INSTALL TRANSITION NOSE. (INCLUDED WITH OTHER PAY ITEMS.) DO NOT MARK TRANSITION NOSE. CONTRACTOR TO USE FULL DETECTABLE WARNING FIELD PANELS.

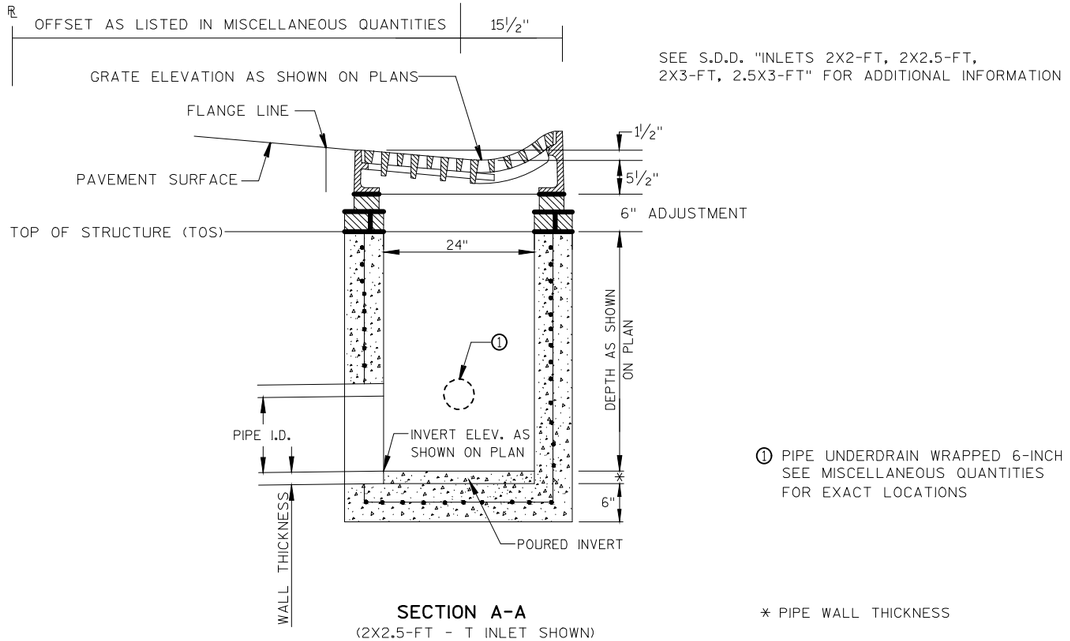
SPLITTER ISLAND DETAIL

PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	CONSTRUCTION DETAILS	SHEET	E



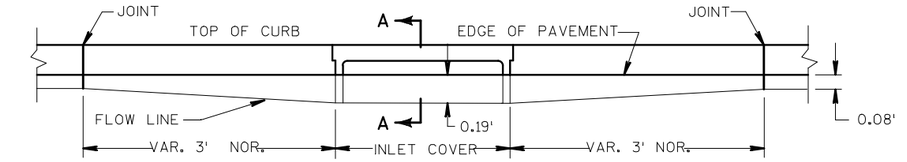
ELEVATION



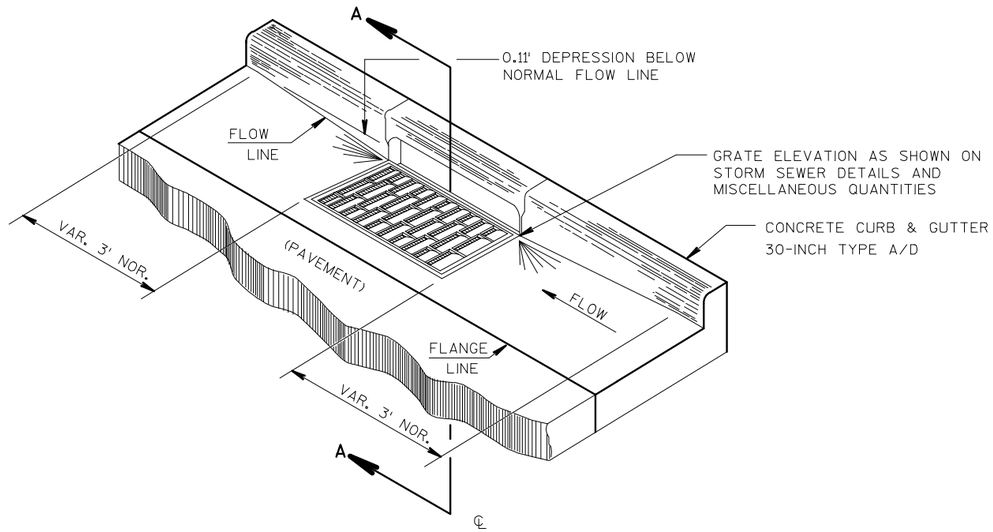


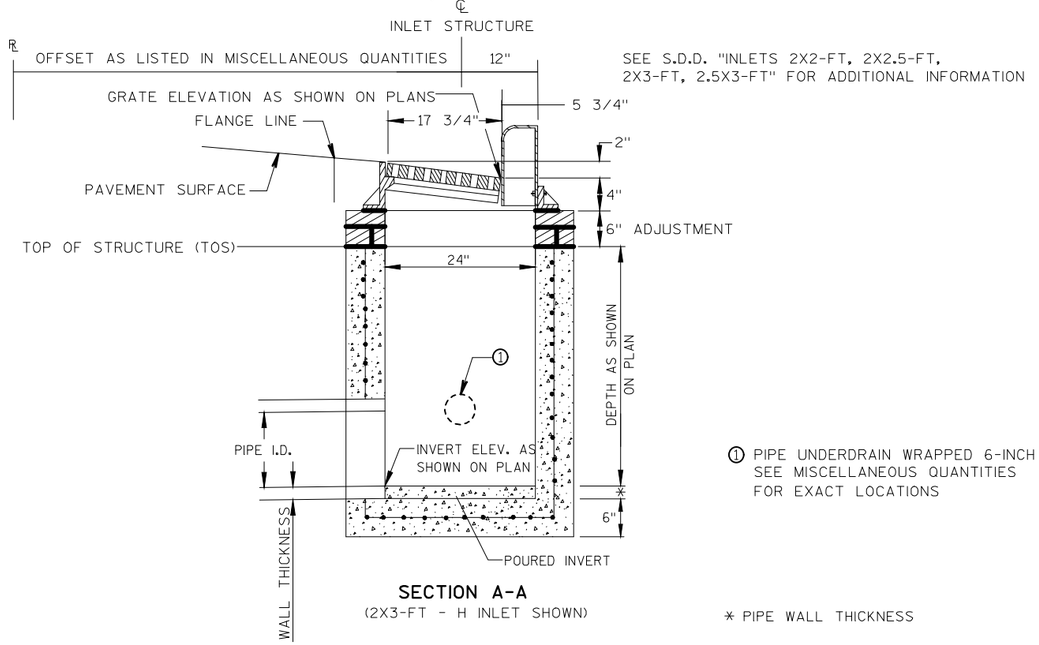
SECTION A-A
(2X2.5-FT - T INLET SHOWN)

DETAIL OF CONCRETE CURB & GUTTER 36-INCH TYPE R AT INLETS



ELEVATION

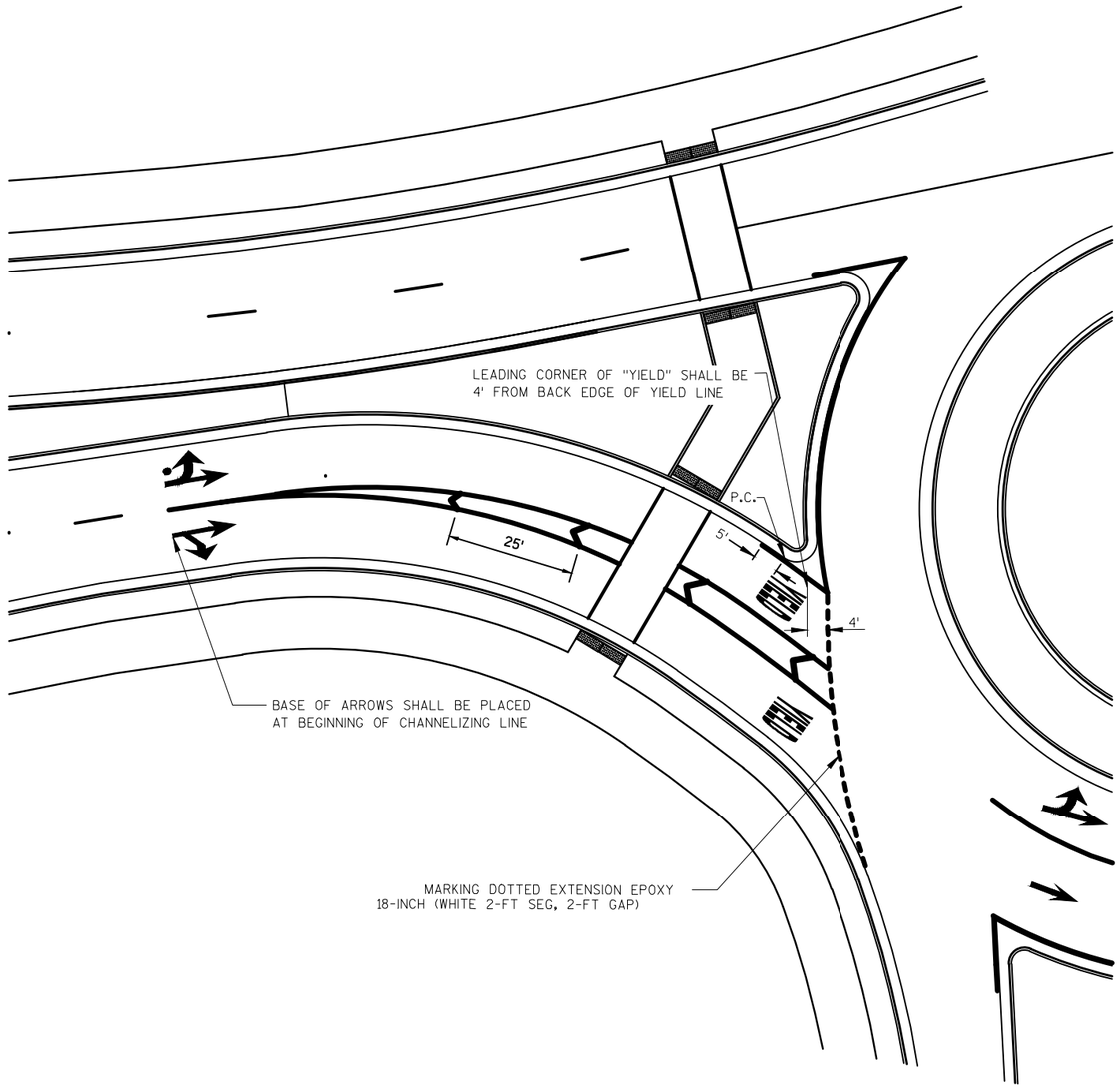




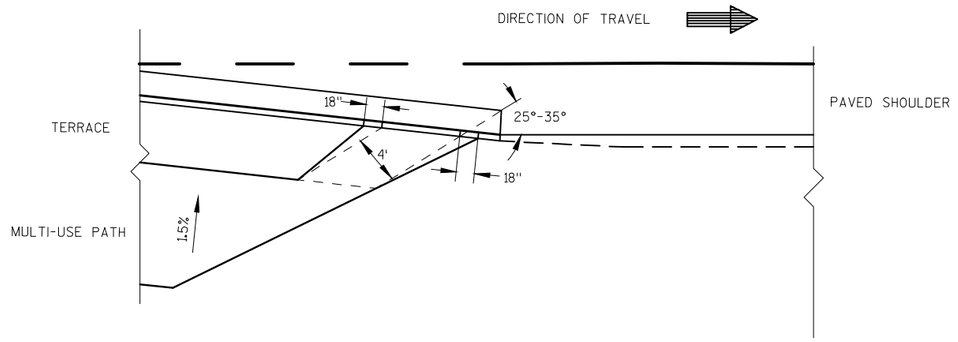
SECTION A-A
(2X3-FT - H INLET SHOWN)

DETAIL OF CONCRETE CURB & GUTTER 30-INCH TYPE A/D AT INLETS

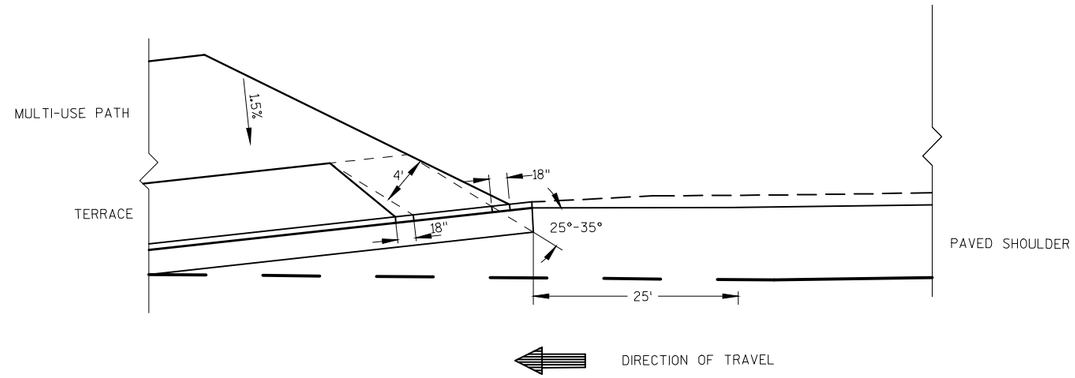
PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	CONSTRUCTION DETAILS	SHEET	E



ROUNDABOUT PAVEMENT MARKING DETAILS

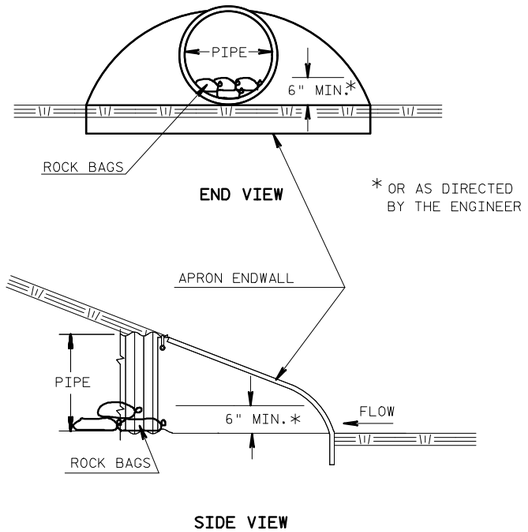


BIKE RAMP ENTRANCE



BIKE RAMP EXIT

BIKE RAMP ENTRANCE AND EXIT



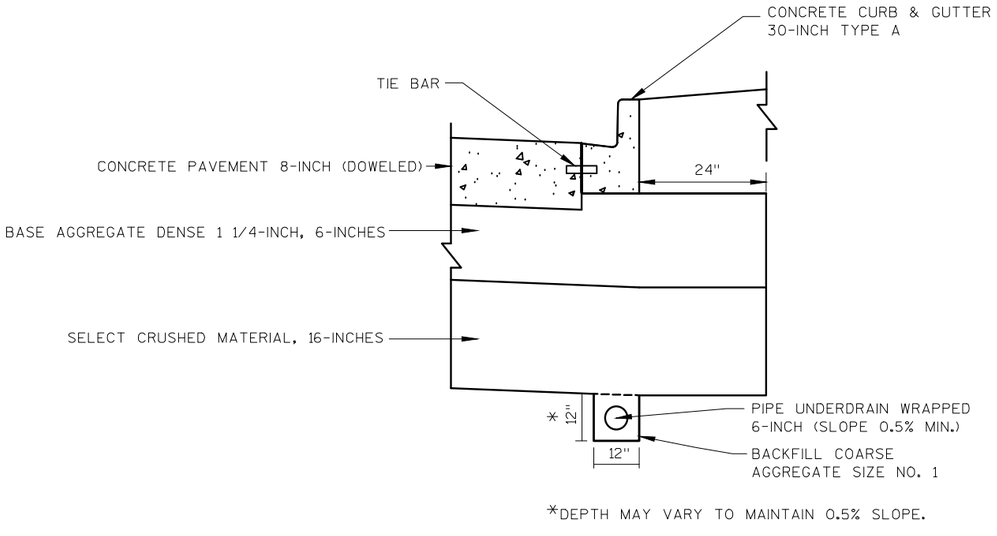
ESTIMATED BAG SIZE = 18" X 12" X 6"	
PIPE SIZE	ESTIMATED NO. OF BAGS
18"	2
24"	3
30"	5
48"	10
54"	10
60"	13
72"	16

CULVERT PIPE CHECKS

RUNOFF COEFFICIENT TABLE

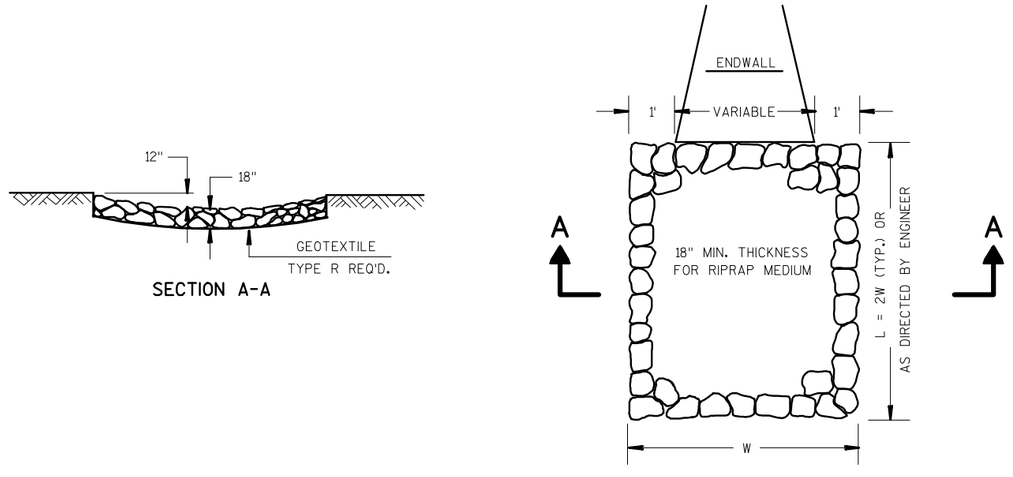
	HYDROLOGIC SOIL GROUP											
	A			B			C			D		
	SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)		
LAND USE:	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER
ROW CROPS	.08 .22	.16 .30	.22 .38	.12 .26	.20 .34	.27 .44	.15 .30	.24 .37	.33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

TOTAL PROJECT AREA = _____ ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = _____ACRES



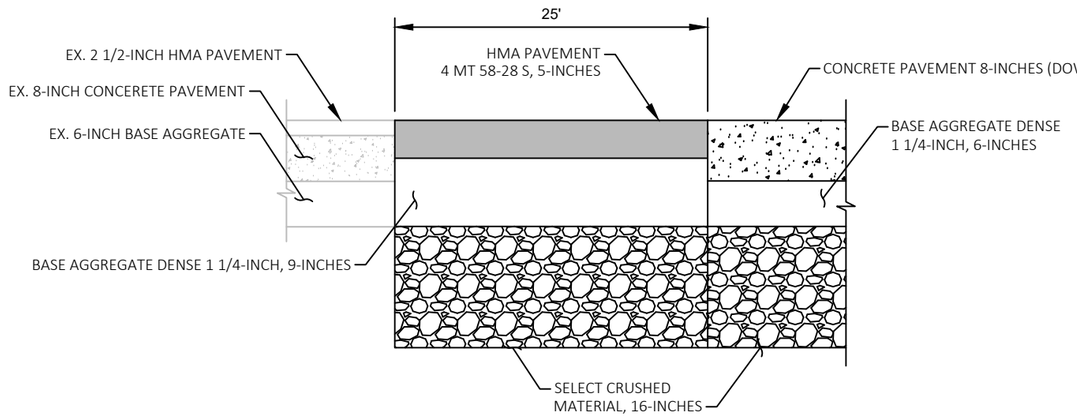
DETAIL FOR PIPE UNDERDRAIN WRAPPED 6-INCH

NOTE: PIPE UNDERDRAIN IS TO BE DISCHARGED INTO THE INLET STRUCTURES.



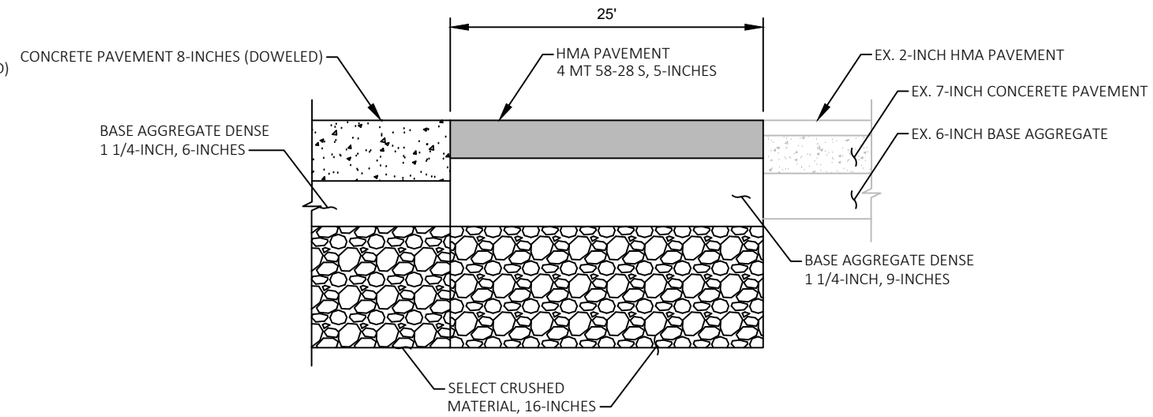
RIPRAP MEDIUM TREATMENT AT STORM SEWER OUTFALLS AND ASPHALTIC FLUMES

PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	CONSTRUCTION DETAILS	SHEET	E



DETAIL FOR TRANSITION (END PROJECT)

STA. 29+62.22 A TO STA. 29+87.22 A
STA. 30+46.48 B TO STA. 30+71.48 B



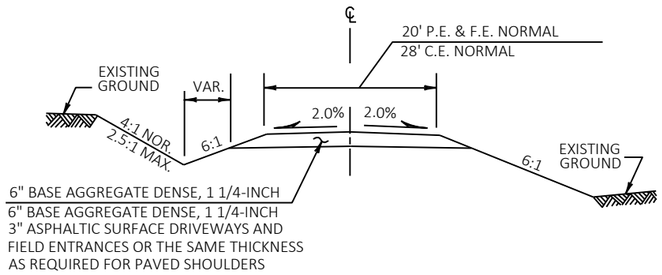
DETAIL FOR TRANSITION (BEGIN PROJECT)

STA. 10+00.00 A TO STA. 10+25.00 A
STA. 10+00.00 B TO STA. 10+25.00 B

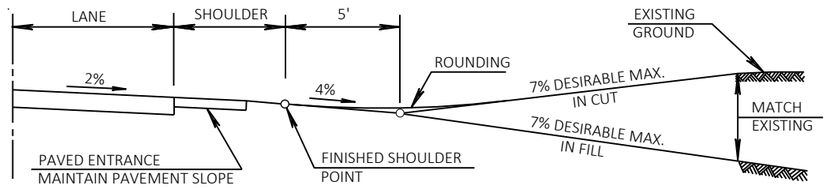
2

PROJECT NO:5845-01-76	HWY:USH 51	COUNTY:DANE	CONSTRUCTION DETAILS	SHEET	E

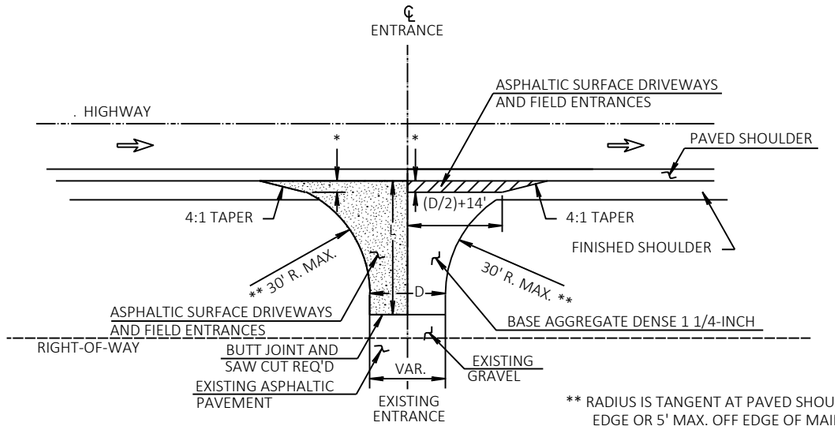
FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\021001_CD.DWG
LAYOUT NAME - 021005_CD
PLOT DATE : 9/1/2020 10:54 AM PLOT BY : LYNCH, CHRIS PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42



TYPICAL CROSS SECTION



PROFILE VIEW



L=VARIABLE, EXACT LENGTH TO BE DETERMINED
IN THE FIELD BY THE ENGINEER.
BLEND BACK ON THE ENTRANCE FAR
ENOUGH TO GET A SMOOTH PROFILE.

D=DRIVEWAY WIDTH
D=20'TYP.(PE's & FE's) (16'MIN.-24'MAX.)
D=28'TYP.(CE's & FARM ENT.) (24'MIN.-35'MAX.)

** RADIUS IS TANGENT AT PAVED SHOULDER EDGE OR 5' MAX. OFF EDGE OF MAIN LINE PAVEMENT WHICH EVER IS LESS.

* 3' MAX. OR TO FINISHED SHOULDER WHICH EVER IS LESS.

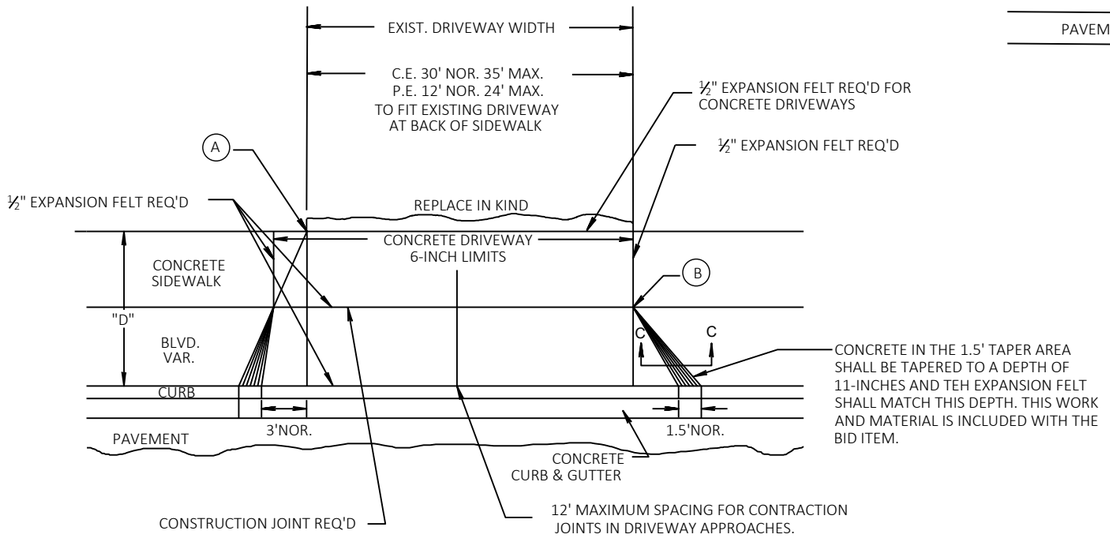
PLAN VIEW

RURAL DRIVEWAY INTERSECTION DETAIL
(PE's, FE's & CE'S)
(FOR NEW CONSTRUCTION)

PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	CONSTRUCTION DETAILS	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\021001A_CD.DWG
LAYOUT NAME - 021106_cd
PLOT DATE : 9/1/2020 10:54 AM PLOT BY : LYNCH, CHRIS PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

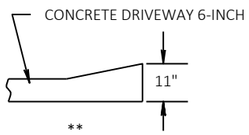
DRIVEWAY ENTRANCE DETAIL WITH SIDEWALK, CURB & GUTTER



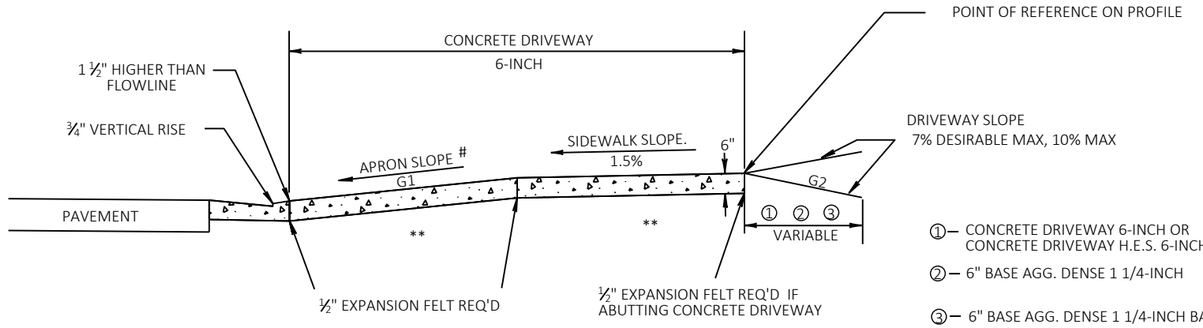
PLAN VIEW

(A) WHEN "D" IS 13' OR LESS, ALIGN TAPER WITH BACK OF SIDEWALK

(B) WHEN "D" IS GREATER THAN 13', ALIGN TAPER WITH FRONT OF SIDEWALK



SECTION C-C



TYPICAL SIDEWALK SECTION

① — CONCRETE DRIVEWAY 6-INCH OR CONCRETE DRIVEWAY H.E.S. 6-INCH

② — 6" BASE AGG. DENSE 1 1/4-INCH

③ — 6" BASE AGG. DENSE 1 1/4-INCH BASE WITH 3" ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES

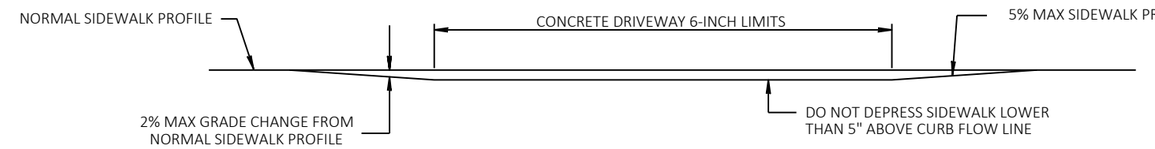
** = 6" BASE AGG. DENSE 1 1/4-INCH REQ'D UNDER CONCRETE DRIVEWAY 6-INCH

\#

TERRACE WIDTH	APRON SLOPE (G1) MIN %	DESIRABLE %	MAX %
3 FT	7.0	8.5	9.0
4 FT	5.0	7.0	9.0
5 FT	4.0	7.0	9.0
6 FT	4.0	7.0	9.0
7 FT	3.5	7.0	9.0
8 FT	3.0	7.0	9.0

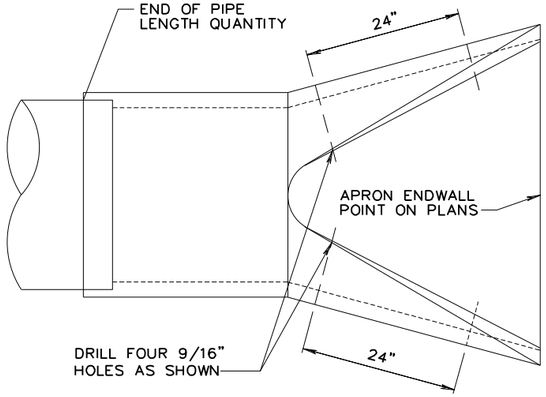
NOTE: ALGEBRAIC DIFFERENCE BETWEEN TANGENT GRADES G1 & G2 TO NOT EXCEED 15%

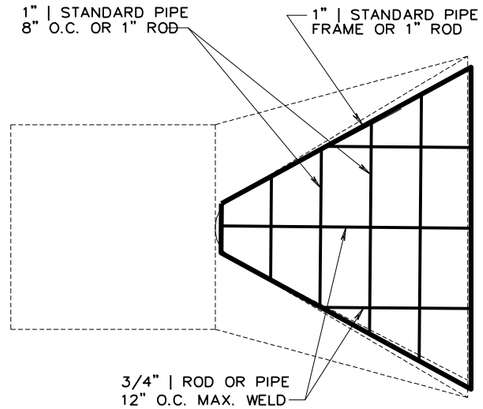
DEPRESS SIDEWALK PROFILE IF DRIVEWAY APRON EXCEEDS MAX SLOPE



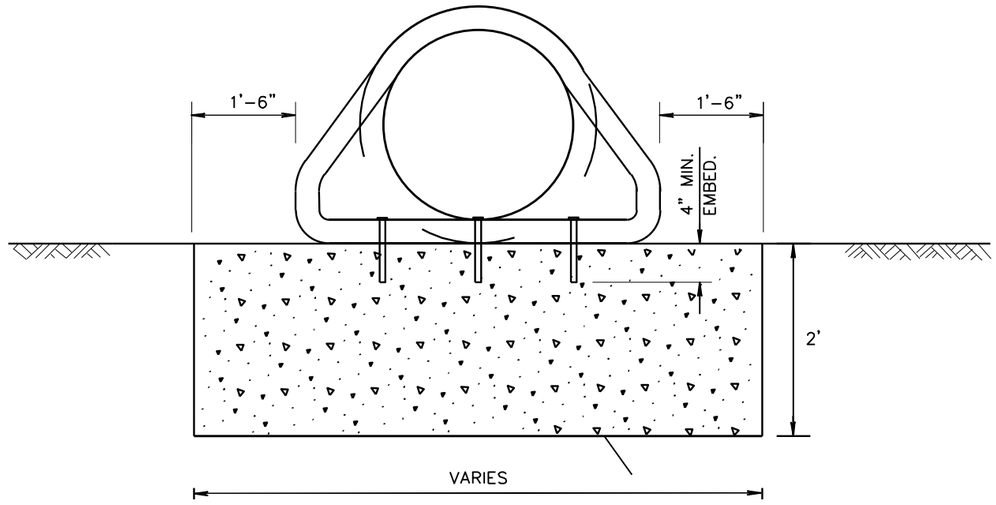
DEPRESSED SIDEWALK PROFILE DETAIL

PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	CONSTRUCTION DETAILS	SHEET	E

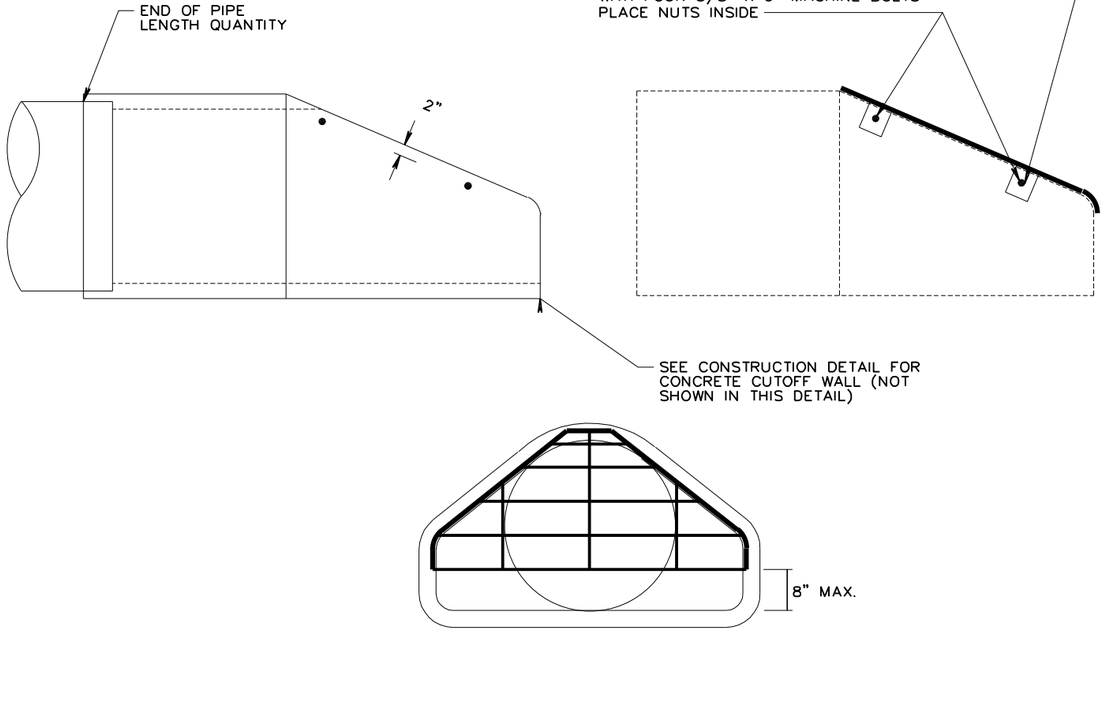


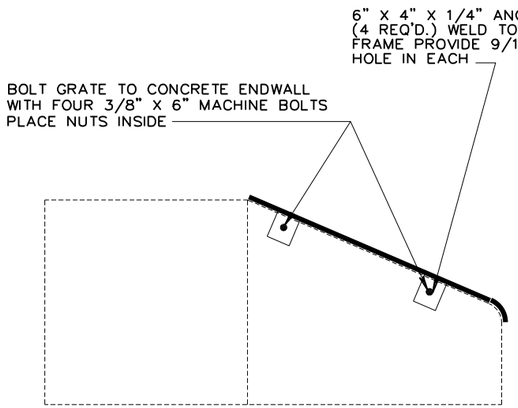


AT EACH PIPE

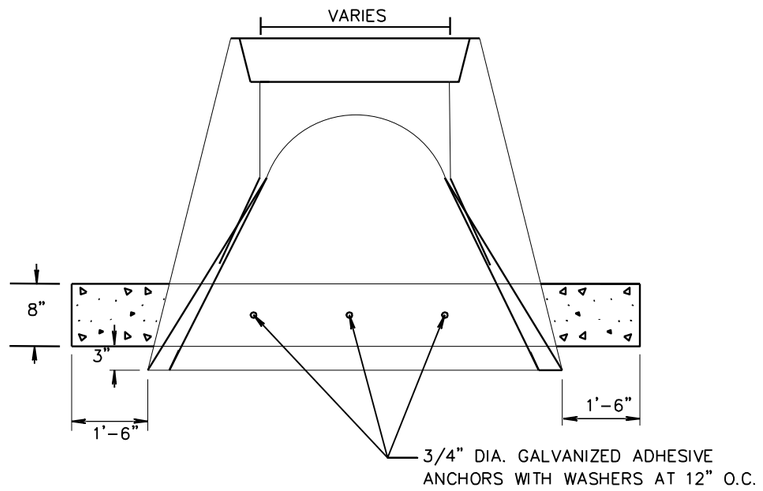


PROFILE VIEW





APRON ENDWALL AND PIPE GRATE DETAILS

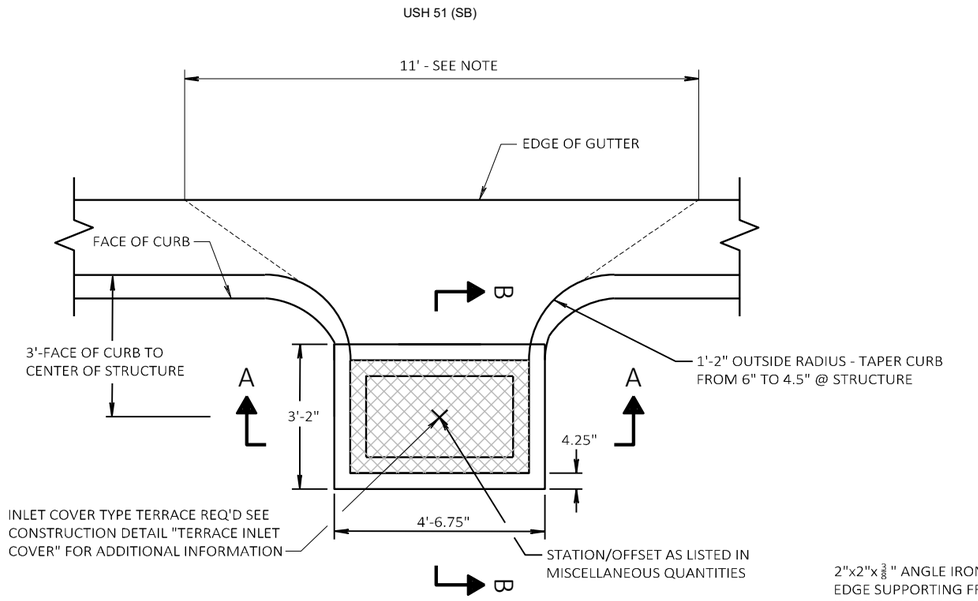


PLAN VIEW

CONCRETE CUTOFF WALL

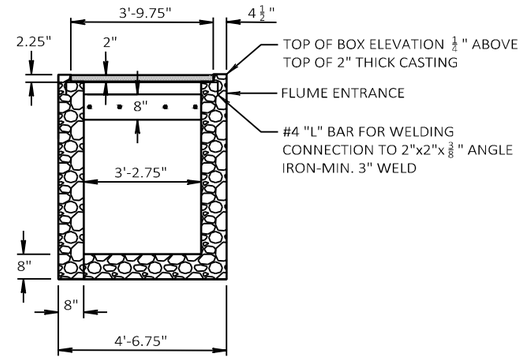
PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	CONSTRUCTION DETAILS	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\021001A_CD.DWG
LAYOUT NAME - 021108_cd
PLOT DATE : 9/1/2020 10:54 AM
PLOT BY : LYNCH, CHRIS
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

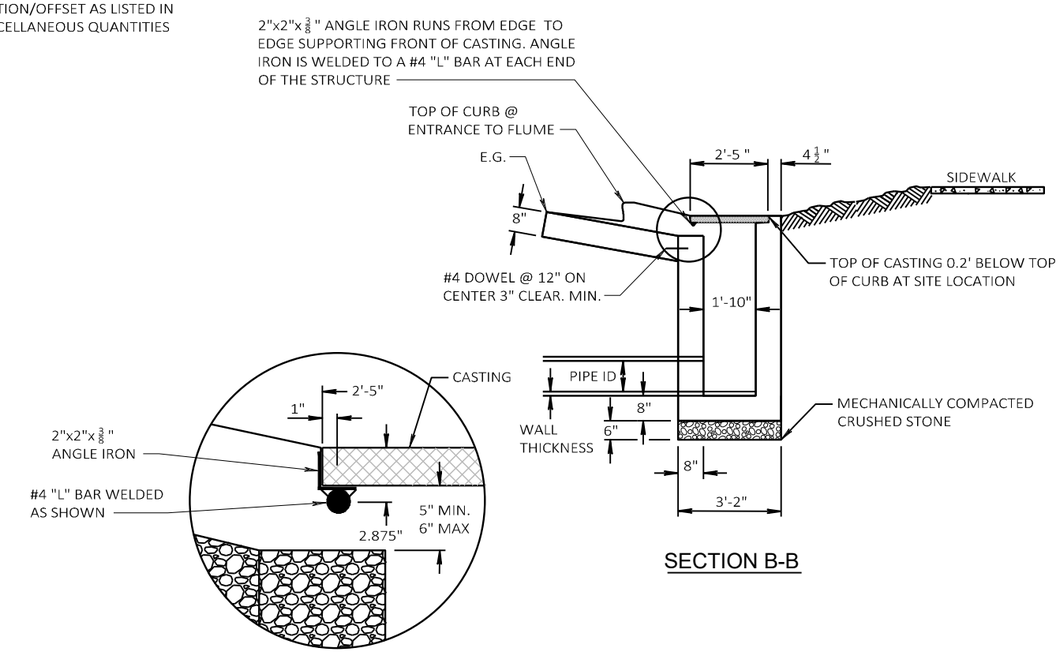


STRUCTURE

PLAN VIEW



SECTION A-A



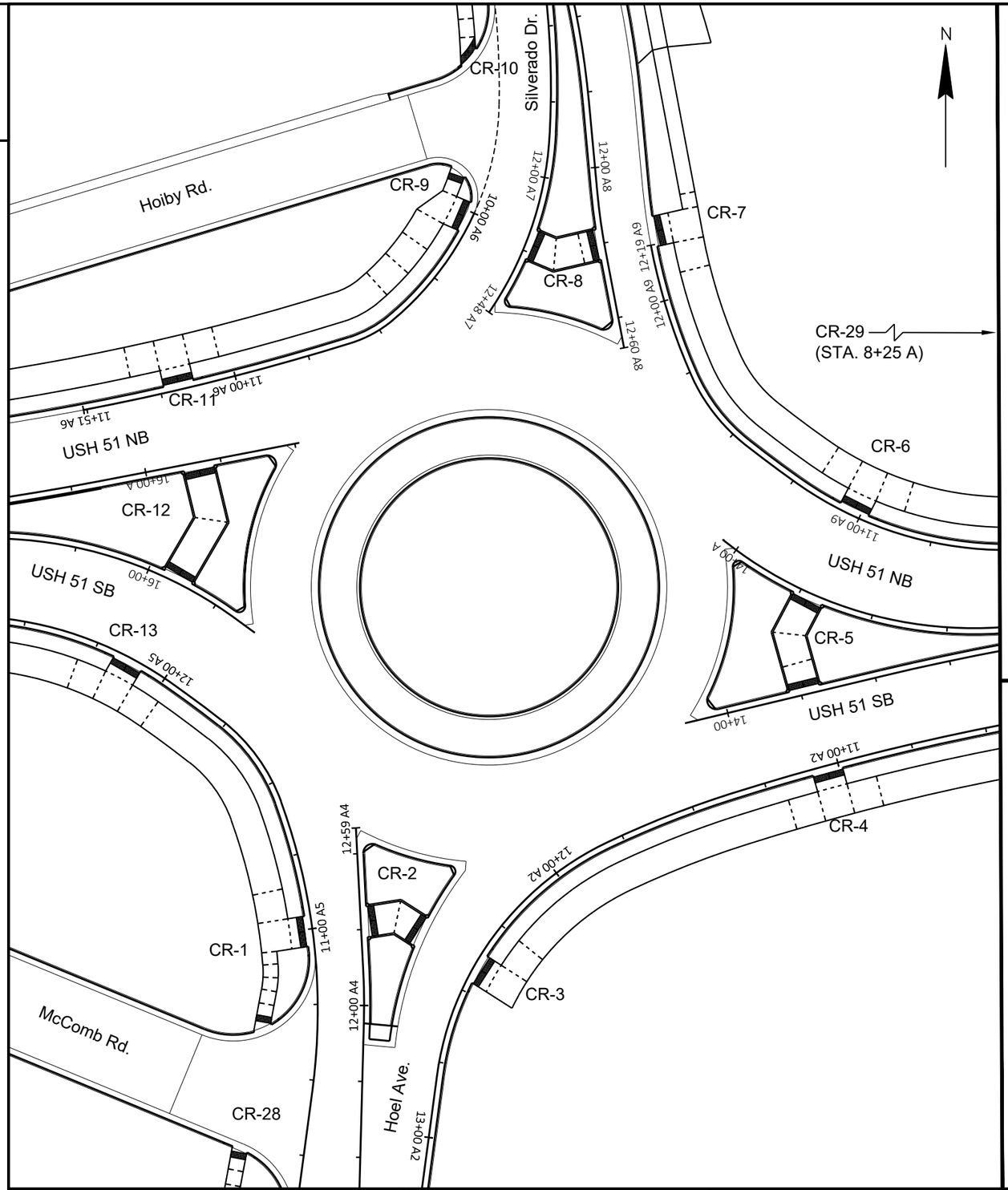
SECTION B-B

PLAN VIEW NOTES:

HAND POUR AND FORM THE LIMITS OF THE CURB ASSOCIATED WITH THE STRUCTURE UNLESS SPECIFICALLY APPROVED BY THE ENGINEER.

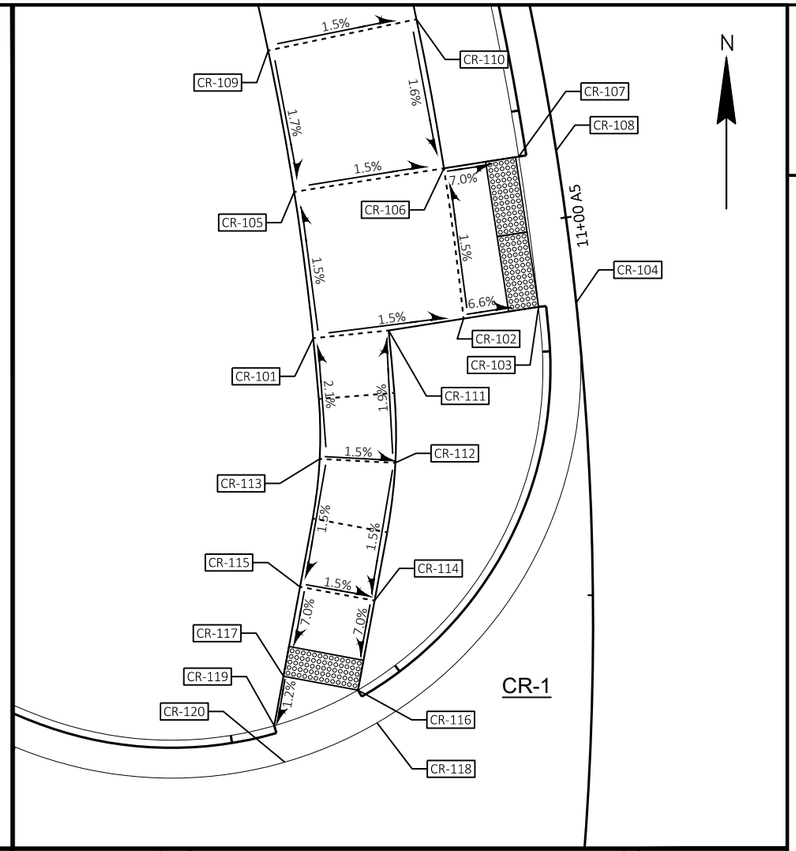
A STRAIGHT LINE GRADE SHALL BE MAINTAINED FROM THE PAVEMENT EDGE OF GUTTER TO THE OUTSIDE EDGE OF THE INLET. AS SHOWN GRAPHICALLY IN SECTION B-B. THE STRAIGHT LINE GRADE SHALL EXTEND 5.5' ON BOTH SIDES OF THE INLET. SEE THE DASHED LINES ON PLAN VIEW FOR REFERENCE.

PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	CONSTRUCTION DETAILS - TERRACE INLET	SHEET	E



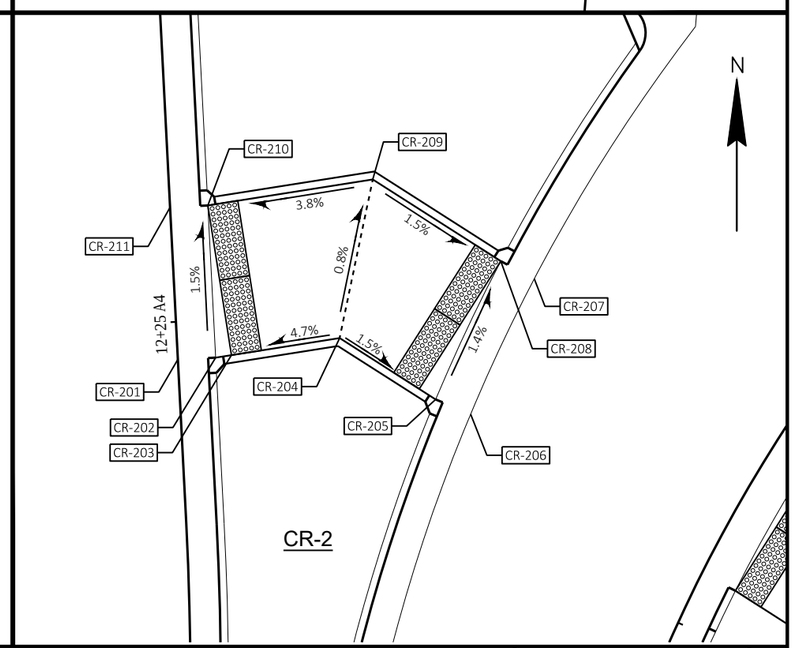
CR-1 POINTS

STATION & OFFSET TABLE			
POINT	STATION	OFFSET	ELEVATION
CR-101	10+93.79 A5	17.5' LT	906.90
CR-102	10+94.06 A5	7.5' LT	906.75
CR-103	10+94.33 A5	2.5' LT	906.42
CR-104	10+94.33 A5	0.0'	906.49
CR-105	11+04.46 A5	17.5' LT	906.75
CR-106	11+04.46 A5	7.5' LT	906.60
CR-107	11+04.46 A5	2.5' LT	906.25
CR-108	11+04.46 A5	0.0'	906.32
CR-109	11+14.85 A5	17.5' LT	906.91
CR-110	11+14.85 A5	7.5' LT	906.76
CR-111	10+93.79 A5	12.5' LT	906.83
CR-112	10+84.45 A5	12.7' LT	907.00
CR-113	10+85.04 A5	17.7' LT	907.07
CR-114	10+74.75 A5	14.4' LT	906.86
CR-115	10+75.80 A5	19.3' LT	906.94
CR-116	10+68.36 A5	15.5' LT	906.44
CR-117	10+69.25 A5	20.4' LT	906.52
CR-118	10+66.07 A5	14.1' LT	906.51
CR-119	10+65.59 A5	20.9' LT	906.48
CR-120	10+62.95 A5	20.1' LT	906.55



CR-2 POINTS

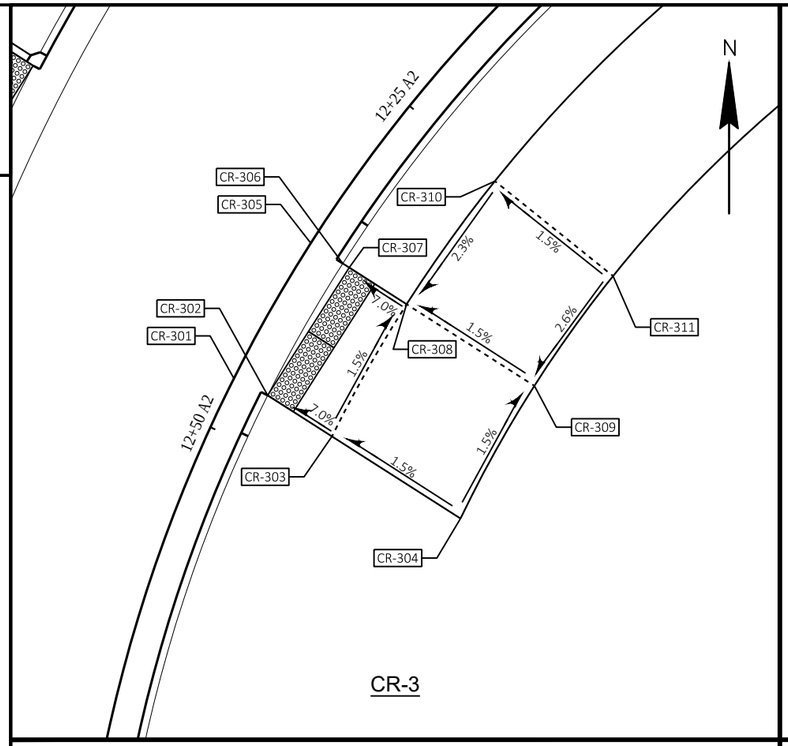
STATION & OFFSET TABLE			
POINT	STATION	OFFSET	ELEVATION
CR-201	12+22.51 A4	0.0'	906.77
CR-202	12+22.51 A4	2.5' RT	906.70
CR-203	12+22.62 A4	3.6' RT	906.72
CR-204	12+23.38 A4	10.7' RT	907.06
CR-205	12+19.01 A4	16.9' RT	906.95
CR-206	12+17.93 A4	19.1' RT	907.02
CR-207	12+26.63 A4	23.8' RT	906.89
CR-208	12+27.90 A4	21.6' RT	906.81
CR-209	12+33.72 A4	13.5' RT	906.97
CR-210	12+32.57 A4	2.5' RT	906.55
CR-211	12+32.57 A4	0.0'	906.62



PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	CONSTRUCTION DETAILS - CURB RAMP DETAILS	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\021101_CD.DWG PLOT DATE : 9/1/2020 9:22 AM PLOT BY : BECKER, ELISA PLOT NAME :

WISDOT/CADDS SHEET 42



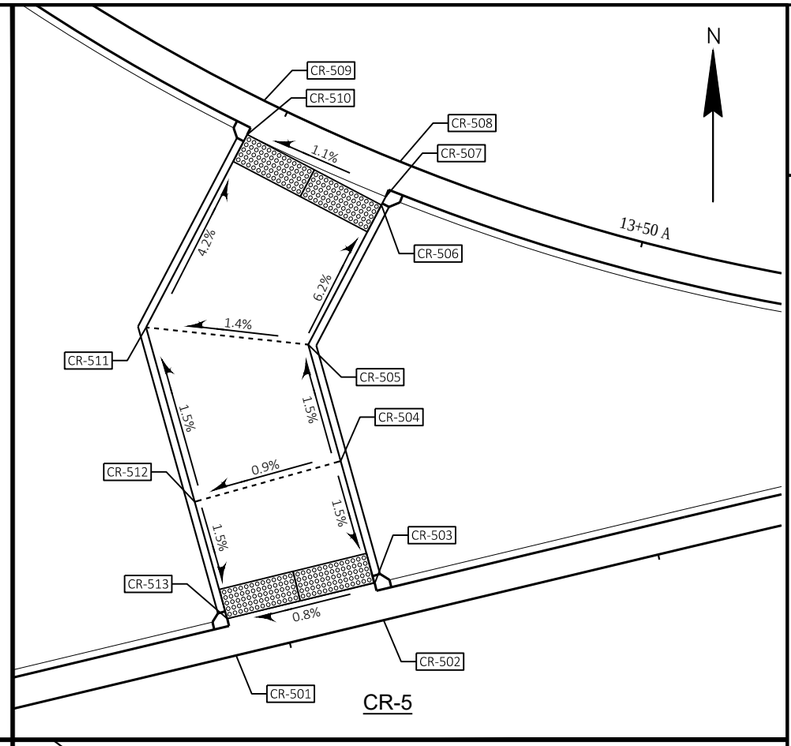
CR-3

CR-3 POINTS

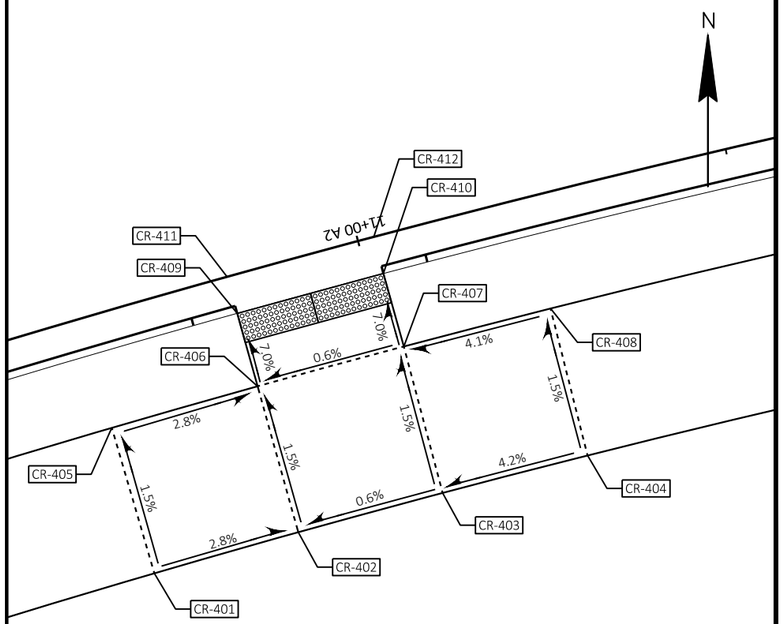
STATION & OFFSET TABLE			
POINT	STATION	OFFSET	ELEVATION
CR-301	12+46.42 A2	0.0'	906.77
CR-302	12+46.42 A2	2.5' LT	906.70
CR-303	12+46.98 A2	7.5' LT	907.05
CR-304	12+48.30 A2	17.5' LT	907.20
CR-305	12+36.15 A2	0.0'	906.65
CR-306	12+36.15 A2	2.5' LT	906.58
CR-307	12+36.15 A2	3.0' LT	906.59
CR-308	12+36.15 A2	7.5' LT	906.90
CR-309	12+36.15 A2	17.5' LT	907.05
CR-310	12+25.34 A2	7.5' LT	907.13
CR-311	12+25.34 A2	17.5' LT	907.28

CR-5 POINTS

STATION & OFFSET TABLE			
POINT	STATION	OFFSET	ELEVATION
CR-501	13+65.13 A	34.3' LT	907.38
CR-502	13+58.38 A	28.8' LT	907.46
CR-503	13+59.47 A	26.7' LT	907.39
CR-504	13+63.58 A	19.8' LT	907.52
CR-505	13+67.85 A	13.5' LT	907.40
CR-506	13+66.93 A	3.1' LT	906.76
CR-507	13+66.87 A	2.5' LT	906.75
CR-508	13+66.87 A	0.0'	906.82
CR-509	13+76.70 A	0.0'	906.72
CR-510	13+76.70 A	2.5' LT	906.65
CR-511	13+77.01 A	16.9' LT	907.25
CR-512	13+70.33 A	25.9' LT	907.43
CR-513	13+66.28 A	32.2' LT	907.31



CR-5



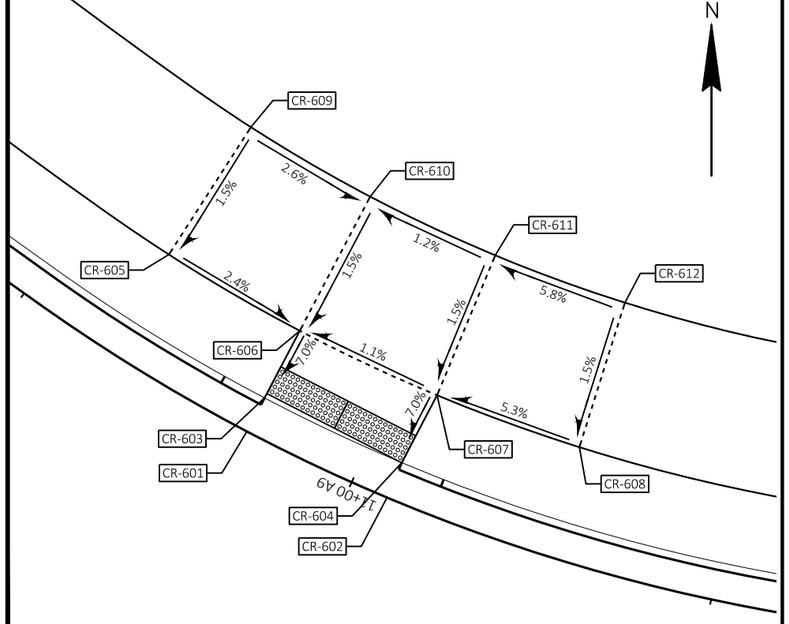
CR-4

CR-4 POINTS

STATION & OFFSET TABLE			
POINT	STATION	OFFSET	ELEVATION
CR-401	11+19.05 A2	17.5' LT	907.79
CR-402	11+08.96 A2	17.5' LT	907.51
CR-403	10+98.86 A2	17.5' LT	907.57
CR-404	10+88.77 A2	17.5' LT	907.98
CR-405	11+19.05 A2	7.5' LT	907.64
CR-406	11+08.96 A2	7.5' LT	907.36
CR-407	10+98.86 A2	7.5' LT	907.42
CR-408	10+88.77 A2	7.5' LT	907.83
CR-409	11+08.96 A2	2.5' LT	907.01
CR-410	10+98.93 A2	2.5' LT	907.07
CR-411	11+08.96 A2	0.0'	907.08
CR-412	10+98.93 A2	0.0'	907.14

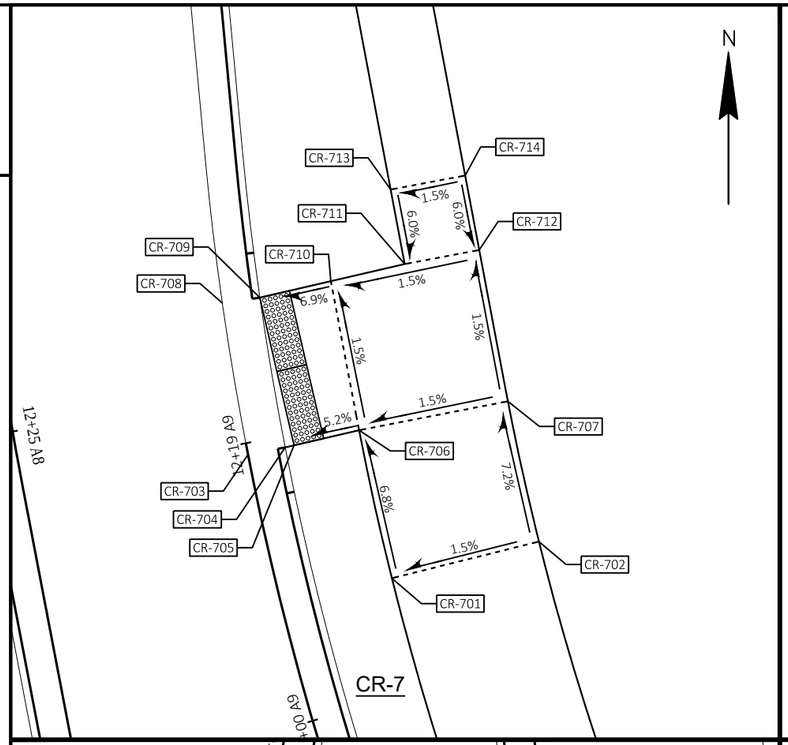
CR-6 POINTS

STATION & OFFSET TABLE			
POINT	STATION	OFFSET	ELEVATION
CR-601	11+07.68 A9	0.0'	906.18
CR-602	10+97.46 A9	0.0'	906.29
CR-603	11+07.68 A9	2.5' RT	906.11
CR-604	10+97.46 A9	2.5' RT	906.22
CR-605	11+18.35 A9	7.5' RT	906.70
CR-606	11+07.68 A9	7.5' RT	906.46
CR-607	10+97.00 A9	7.5' RT	906.57
CR-608	10+86.33 A9	7.5' RT	907.10
CR-609	11+18.35 A9	17.5' RT	906.85
CR-610	11+07.68 A9	17.5' RT	906.61
CR-611	10+97.00 A9	17.5' RT	906.72
CR-612	10+86.33 A9	17.5' RT	907.25



CR-6

PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	CONSTRUCTION DETAILS - CURB RAMP DETAILS	SHEET	E



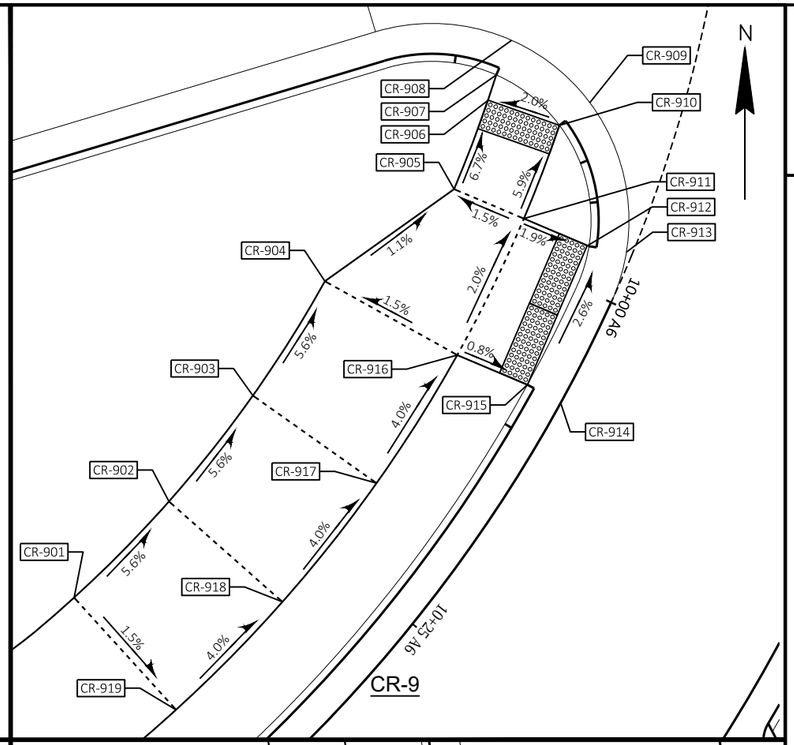
CR-7 POINTS

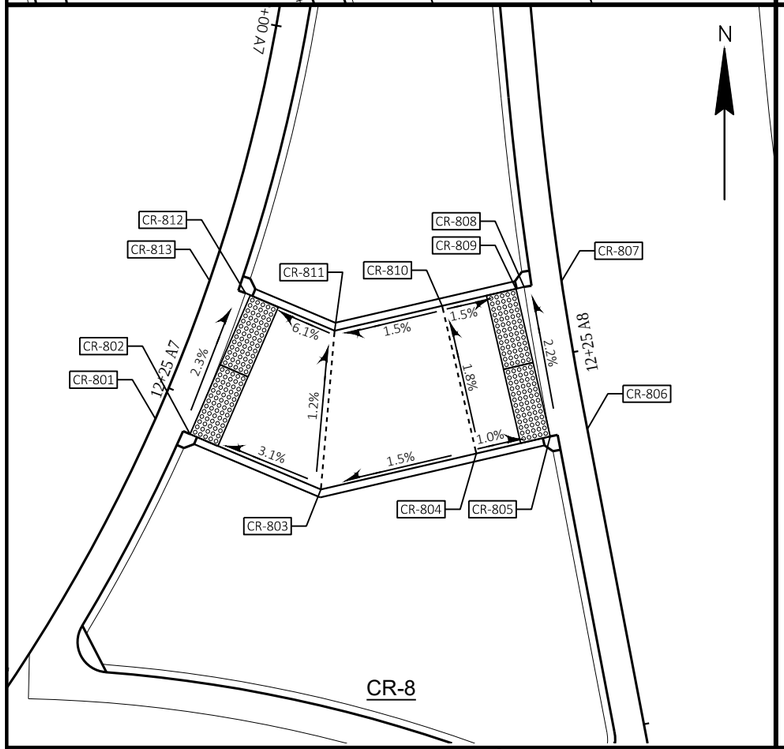
STATION & OFFSET TABLE			
POINT	STATION	OFFSET	ELEVATION
CR-701	12+39.22 A8	22.8' LT	905.47
CR-702	12+38.67 A8	32.8' LT	905.62
CR-703	12+29.42 A8	15.0' LT	904.62
CR-704	12+29.41 A8	17.5' LT	904.55
CR-705	12+29.39 A8	18.1' LT	904.56
CR-706	12+29.22 A8	22.5' LT	904.79
CR-707	12+29.19 A8	32.5' LT	904.94
CR-708	12+18.57 A8	15.0' LT	904.38
CR-709	12+18.57 A8	17.5' LT	904.31
CR-710	12+18.12 A8	22.3' LT	904.64
CR-711	12+17.62 A8	27.3' LT	904.72
CR-712	12+17.33 A8	32.3' LT	904.79
CR-713	12+11.91 A8	27.0' LT	905.02
CR-714	12+11.46 A8	32.0' LT	905.09

CR-9 POINTS

STATION & OFFSET TABLE			
POINT	STATION	OFFSET	ELEVATION
CR-905	12+14.19 A7	31.6' RT	903.80
CR-906	12+05.63 A7	31.0' RT	903.38
CR-907	12+03.22 A7	30.8' RT	903.35
CR-908	11+99.90 A7	30.2' RT	903.38
CR-909	12+03.87 A7	24.4' RT	903.57
CR-910	12+06.31 A7	26.0' RT	903.48
CR-911	12+14.82 A7	26.6' RT	903.87
CR-912	12+15.36 A7	22.1' RT	903.78
CR-913	12+14.88 A7	19.5' RT	903.85

STATION & OFFSET TABLE			
POINT	STATION	OFFSET	ELEVATION
CR-901	10+40.41 A6	17.5' RT	905.42
CR-902	10+29.60 A6	17.5' RT	904.92
CR-903	10+18.79 A6	17.5' RT	904.42
CR-904	10+07.98 A6	17.5' RT	903.92
CR-914	10+07.42 A6	0.0'	904.14
CR-915	10+07.42 A6	2.5' RT	904.03
CR-916	10+07.98 A6	7.5' RT	904.07
CR-917	10+18.79 A6	7.5' RT	904.47
CR-918	10+29.60 A6	7.5' RT	904.87
CR-919	10+40.41 A6	7.5' RT	905.27



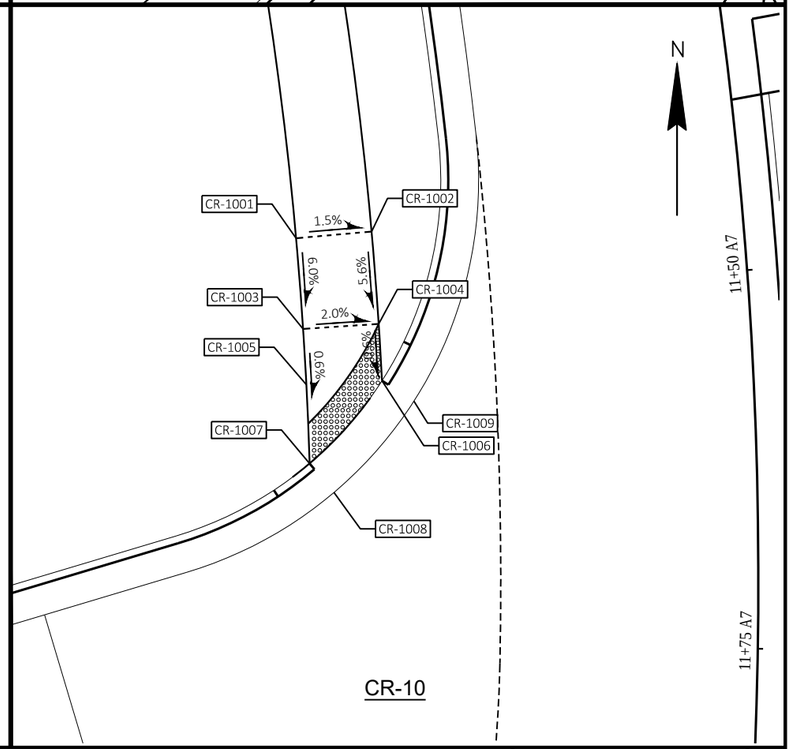


CR-8 POINTS

STATION & OFFSET TABLE			
POINT	STATION	OFFSET	ELEVATION
CR-801	12+27.21 A7	0.0'	904.53
CR-802	12+27.21 A7	2.5' LT	904.46
CR-803	12+27.07 A7	11.9' LT	904.75
CR-804	12+21.71 A7	20.4' LT	904.91
CR-805	12+19.40 A7	24.6' LT	904.86
CR-806	12+18.36 A7	26.8' LT	904.93
CR-807	12+11.11 A7	22.2' LT	904.71
CR-808	12+11.99 A7	19.9' LT	904.64
CR-809	12+12.22 A7	19.4' LT	904.65
CR-810	12+14.39 A7	15.1' LT	904.73
CR-811	12+17.83 A7	8.9' LT	904.62
CR-812	12+17.42 A7	2.5' LT	904.23
CR-813	12+17.42 A7	0.0'	904.30

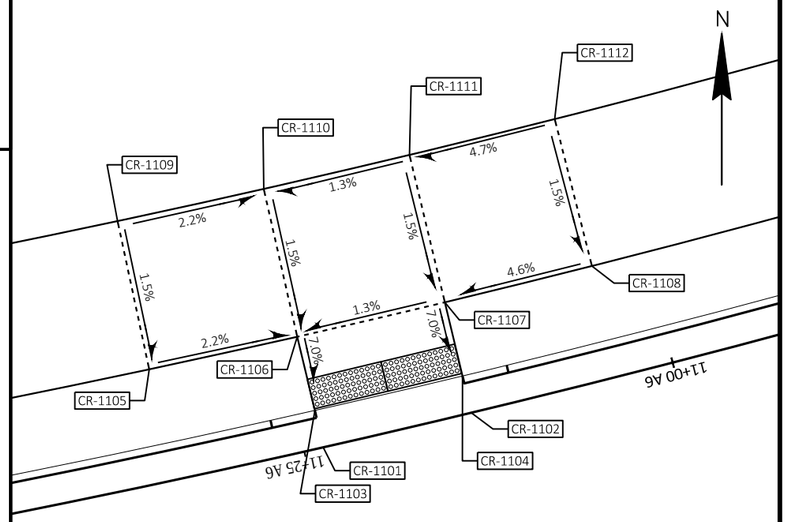
CR-10 POINTS

STATION & OFFSET TABLE			
POINT	STATION	OFFSET	ELEVATION
CR-1001	11+45.26 A7	29.5' RT	902.81
CR-1002	11+45.26 A7	24.5' RT	902.74
CR-1003	11+51.96 A7	29.5' RT	902.45
CR-1004	11+51.96 A7	24.5' RT	902.35
CR-1005	11+56.06 A7	29.5' RT	902.43
CR-1006	11+56.06 A7	24.5' RT	902.33
CR-1007	11+61.88 A7	29.5' RT	902.40
CR-1008	11+64.05 A7	27.9' RT	902.51
CR-1009	11+57.64 A7	22.5' RT	902.36



PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	CONSTRUCTION DETAILS - CURB RAMP DETAILS	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\021101_CD.DWG PLOT DATE : 9/1/2020 9:23 AM PLOT BY : BECKER, ELISA PLOT NAME :



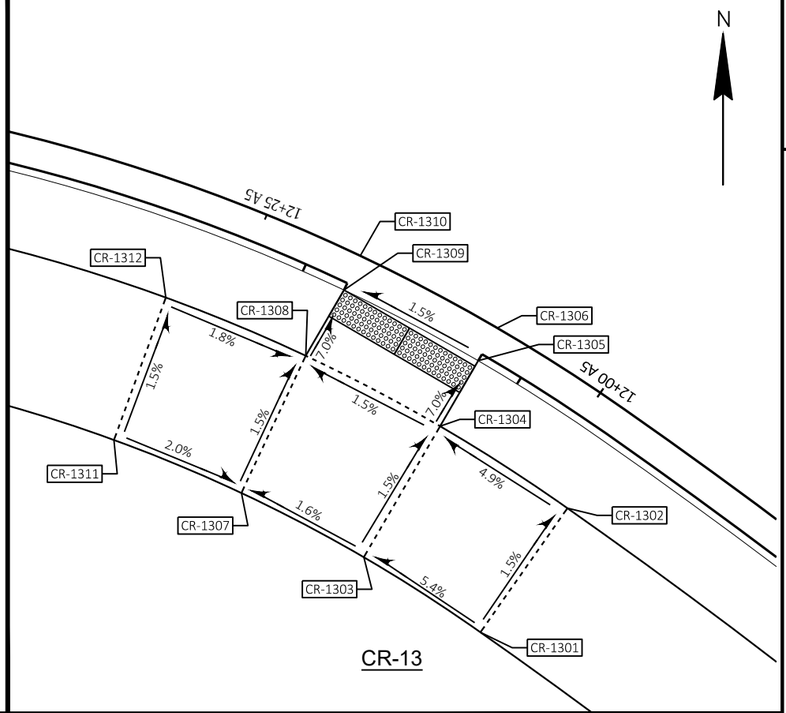
CR-11

CR-11 POINTS

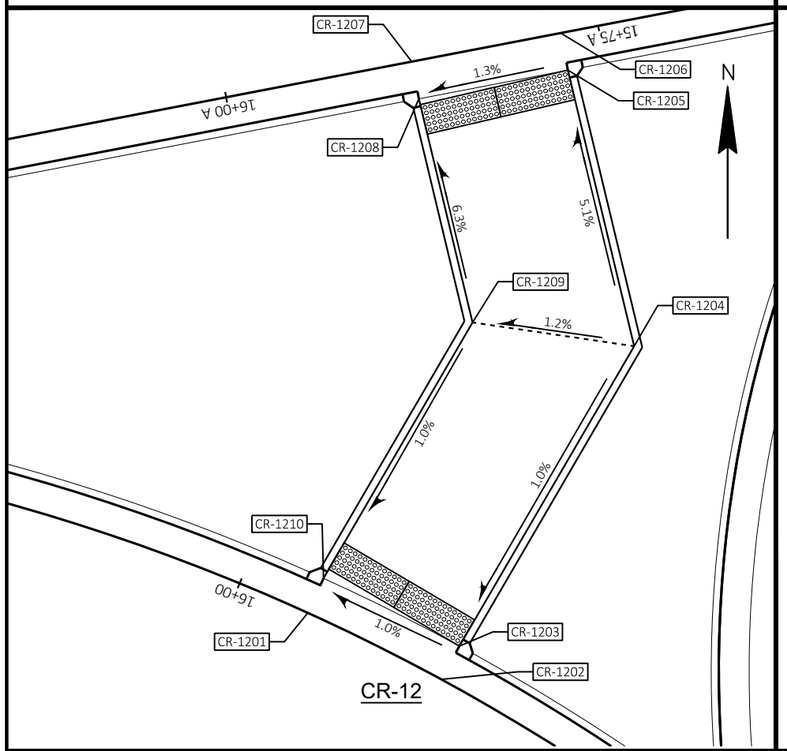
STATION & OFFSET TABLE			
POINT	STATION	OFFSET	ELEVATION
CR-1101	11+23.73 A6	0.0' LT	904.05
CR-1102	11+13.69 A6	0.0' LT	904.18
CR-1103	11+23.73 A6	2.5' RT	903.98
CR-1104	11+13.69 A6	2.5' RT	904.11
CR-1105	11+33.88 A6	7.5' RT	904.55
CR-1106	11+23.79 A6	7.5' RT	904.33
CR-1107	11+13.69 A6	7.5' RT	904.46
CR-1108	11+03.60 A6	7.5' RT	904.92
CR-1109	11+33.88 A6	17.5' RT	904.70
CR-1110	11+23.78 A6	17.5' RT	904.48
CR-1111	11+13.69 A6	17.5' RT	904.61
CR-1112	11+03.60 A6	17.5' RT	905.07

CR-13 POINTS

STATION & OFFSET TABLE			
POINT	STATION	OFFSET	ELEVATION
CR-1301	11+97.41 A5	17.5' LT	905.99
CR-1302	11+97.41 A5	7.5' LT	905.84
CR-1303	12+08.04 A5	17.5' LT	905.50
CR-1304	12+08.04 A5	7.5' LT	905.35
CR-1305	12+08.04 A5	2.5' LT	905.00
CR-1306	12+08.04 A5	0.0'	905.07
CR-1307	12+18.72 A5	17.5' LT	905.35
CR-1308	12+18.72 A5	7.5' LT	905.20
CR-1309	12+18.26 A5	2.5' LT	904.85
CR-1310	12+18.26 A5	0.0'	904.92
CR-1311	12+29.39 A5	17.5' LT	905.53
CR-1312	12+29.39 A5	7.5' LT	905.38



CR-13

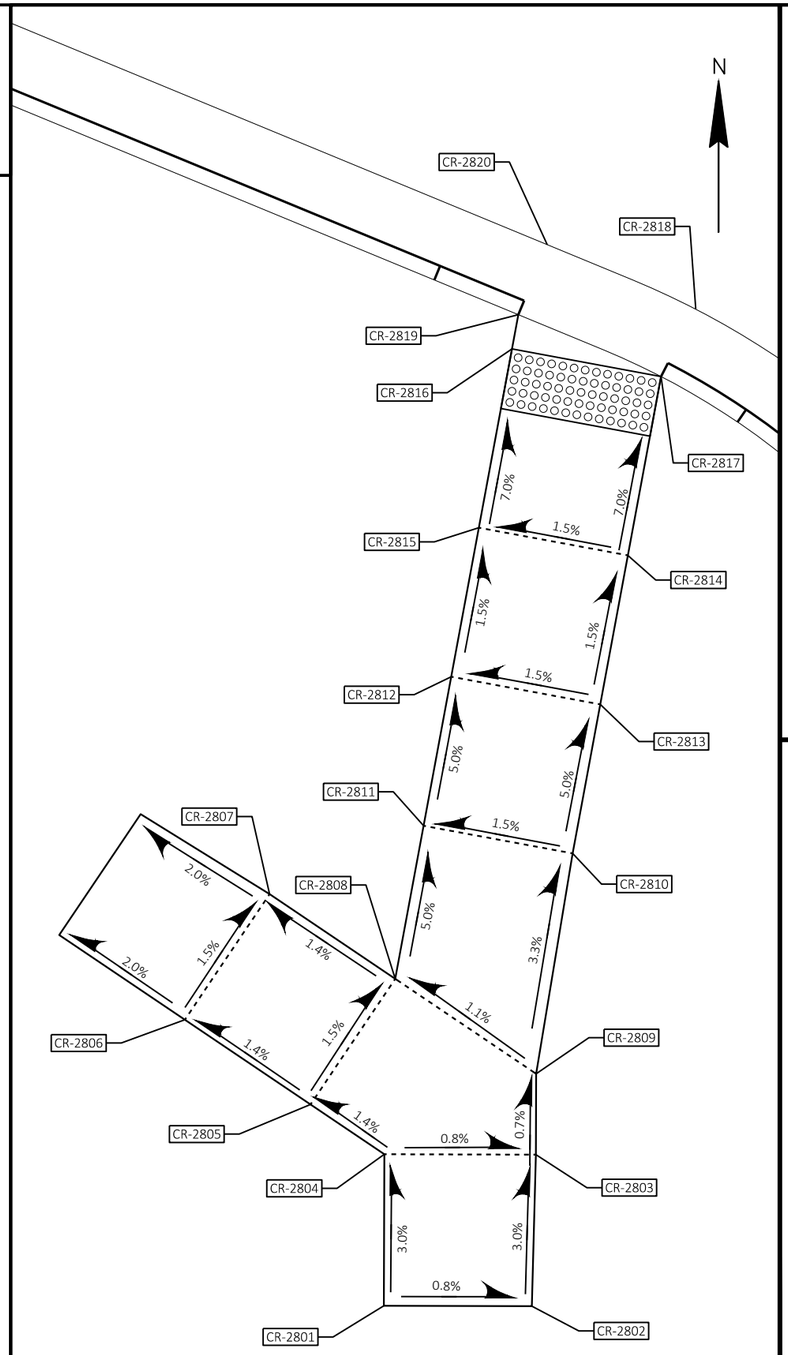


CR-12

CR-12 POINTS

STATION & OFFSET TABLE			
POINT	STATION	OFFSET	ELEVATION
CR-1201	16+01.12 A	34.4' LT	905.31
CR-1202	15+93.30 A	40.4' LT	905.41
CR-1203	15+91.71 A	38.5' LT	905.34
CR-1204	15+76.66 A	21.2' LT	905.57
CR-1205	15+77.52 A	2.5' LT	904.62
CR-1206	15+77.52 A	0.0'	904.69
CR-1207	15+87.53 A	0.0'	904.56
CR-1208	15+87.53 A	2.5' LT	904.49
CR-1209	15+86.83 A	17.7' LT	905.44
CR-1210	15+99.68 A	32.4' LT	905.24

PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	CONSTRUCTION DETAILS - CURB RAMP DETAILS	SHEET	E



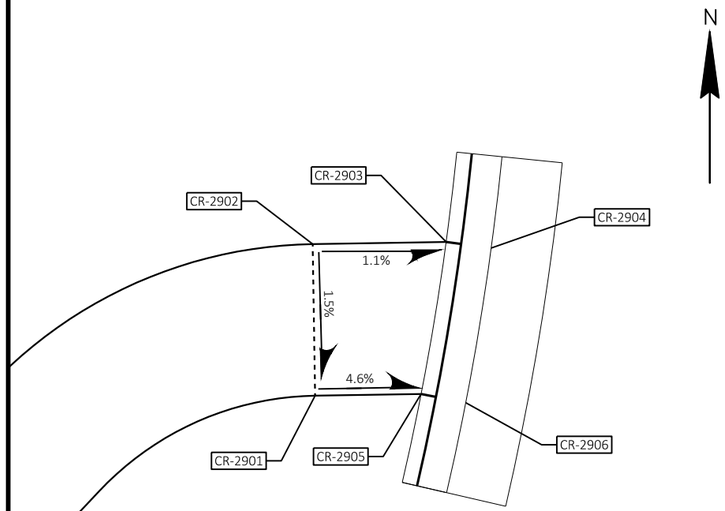
CR-28

CR-28 POINTS

STATION & OFFSET TABLE			
POINT	STATION	OFFSET	ELEVATION
CR-2801	11+14.55 A4	43.8' LT	908.34
CR-2802	11+15.18 A4	38.9' LT	908.30
CR-2803	11+20.15 A4	39.4' LT	908.15
CR-2804	11+19.50 A4	44.4' LT	908.19
CR-2805	11+20.81 A4	47.0' LT	908.15
CR-2806	11+23.03 A4	51.5' LT	908.08
CR-2807	11+27.51 A4	49.3' LT	908.00
CR-2808	11+25.29 A4	44.8' LT	908.07
CR-2809	11+22.80 A4	39.8' LT	908.13
CR-2810	11+30.16 A4	39.6' LT	907.89
CR-2811	11+30.42 A4	44.5' LT	907.81
CR-2812	11+40.12 A4	44.1' LT	907.56
CR-2813	11+39.34 A4	39.2' LT	907.64
CR-2814	11+44.28 A4	38.4' LT	907.56
CR-2815	11+45.06 A4	43.4' LT	907.48
CR-2816	11+50.99 A4	42.4' LT	907.06
CR-2817	11+50.20 A4	37.5' LT	907.14
CR-2818	11+52.46 A4	36.4' LT	907.21
CR-2819	11+52.12 A4	42.2' LT	907.04
CR-2820	11+54.45 A4	41.3' LT	907.11

CR-29 POINTS

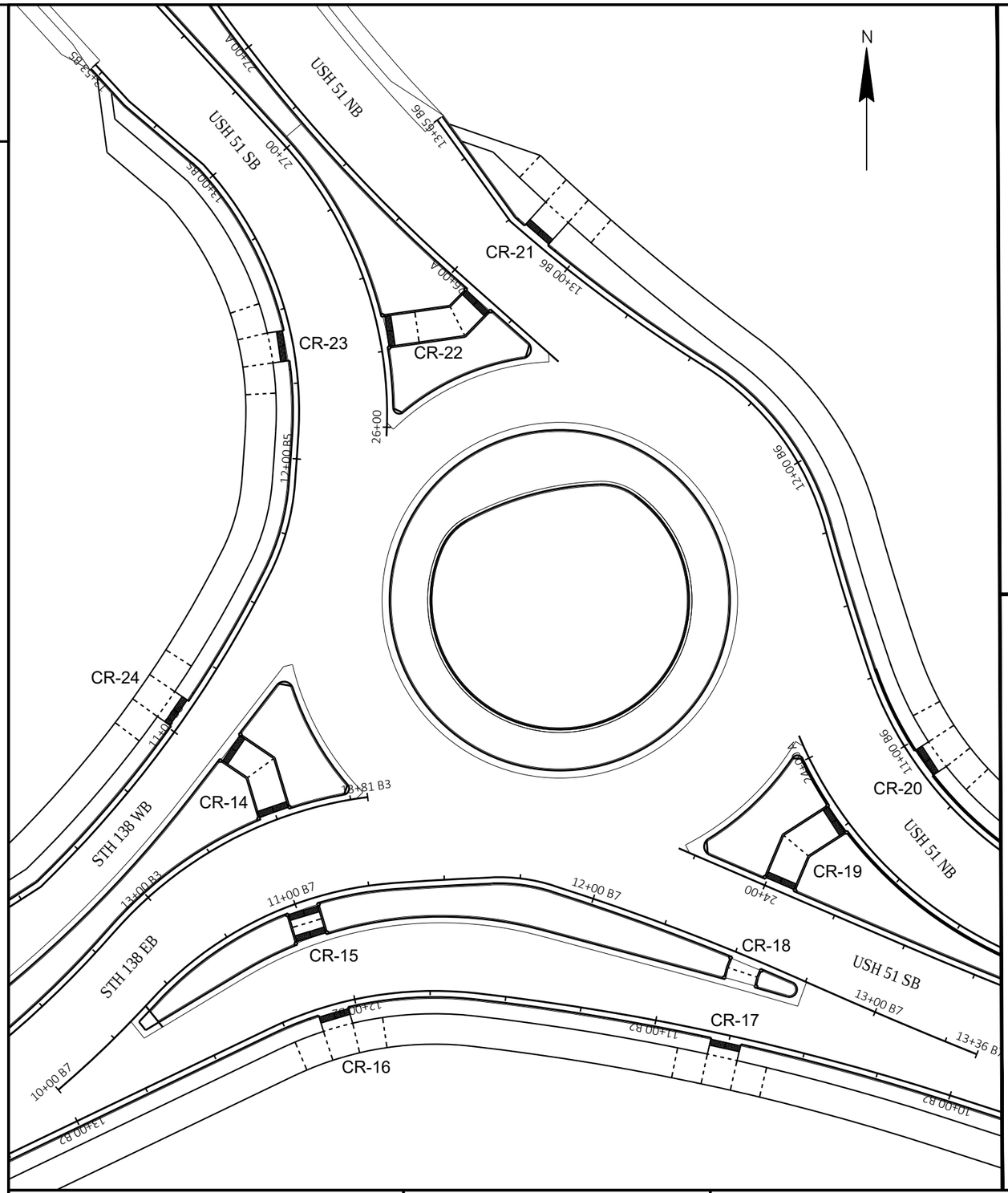
STATION & OFFSET TABLE			
POINT	STATION	OFFSET	ELEVATION
CR-2901	8+33.27 A	51.1' RT	919.18
CR-2902	8+33.18 A	56.1' RT	919.26
CR-2903	8+28.78 A	56.0' RT	919.21
CR-2904	8+27.30 A	55.8' RT	919.26
CR-2905	8+29.77 A	51.0' RT	919.02
CR-2906	8+28.31 A	50.7' RT	919.07



CR-29

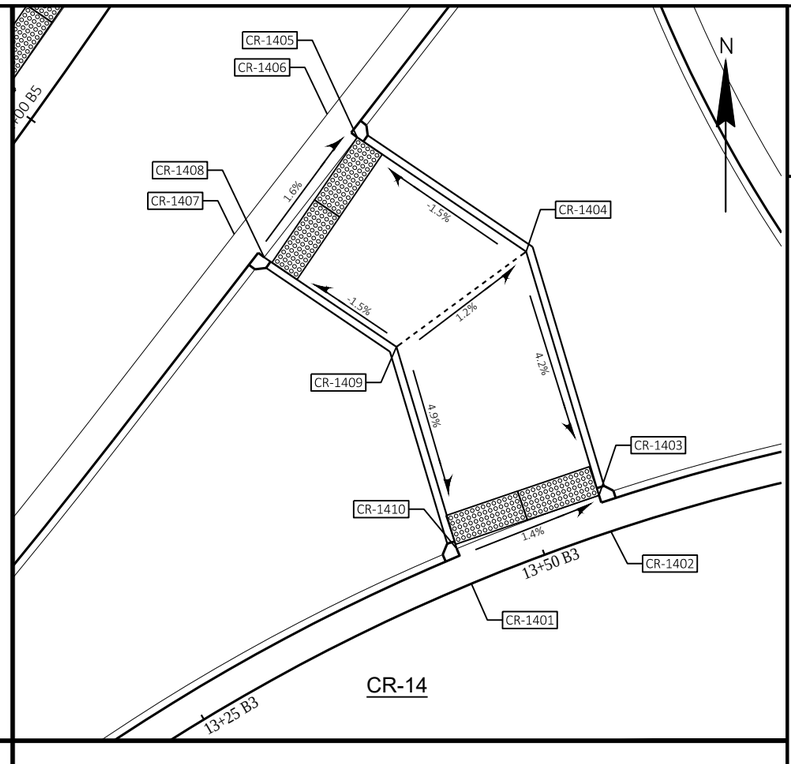
2

PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	CONSTRUCTION DETAILS - CURB RAMP DETAILS	SHEET	E



CR-14 POINTS

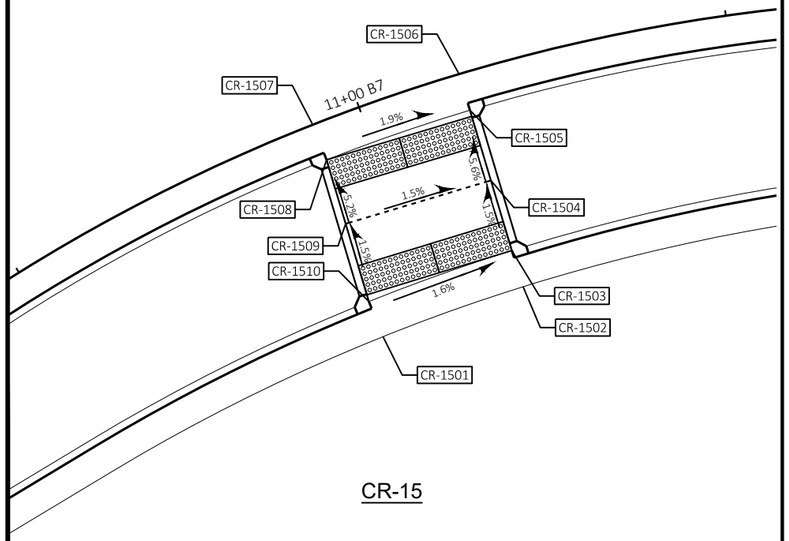
STATION & OFFSET TABLE			
POINT	STATION	OFFSET	ELEVATION
CR-1401	13+44.80 B3	0.0'	907.16
CR-1402	13+54.65 B3	0.0'	907.02
CR-1403	13+54.65 B3	2.5' LT	906.95
CR-1404	13+55.10 B3	19.3' LT	907.65
CR-1405	13+48.38 B3	30.1' LT	907.45
CR-1406	13+47.34 B3	32.3' LT	907.52
CR-1407	13+40.19 B3	27.4' LT	907.68
CR-1408	13+41.16 B3	25.2' LT	907.61
CR-1409	13+46.10 B3	16.3' LT	907.77
CR-1410	13+44.80 B3	2.5' LT	907.09



CR-14

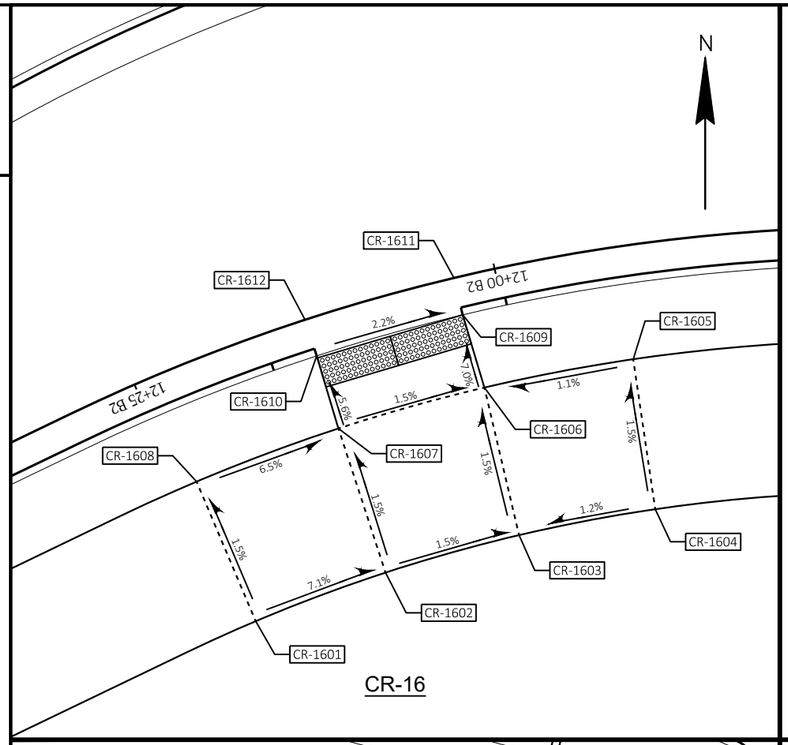
CR-15 POINTS

STATION & OFFSET TABLE			
POINT	STATION	OFFSET	ELEVATION
CR-1501	10+95.80 B7	14.7' RT	906.95
CR-1502	11+06.99 B7	14.7' RT	906.79
CR-1503	11+06.95 B7	12.2' RT	906.72
CR-1504	11+06.95 B7	7.3' RT	906.65
CR-1505	11+06.96 B7	2.5' RT	906.38
CR-1506	11+06.96 B7	0.0' LT	906.45
CR-1507	10+96.73 B7	0.0' LT	906.64
CR-1508	10+96.73 B7	2.5' RT	906.57
CR-1509	10+96.33 B7	6.9' RT	906.80
CR-1510	10+95.81 B7	12.2' RT	906.88



CR-15

PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	CONSTRUCTION DETAILS - CURB RAMP DETAILS	SHEET	E



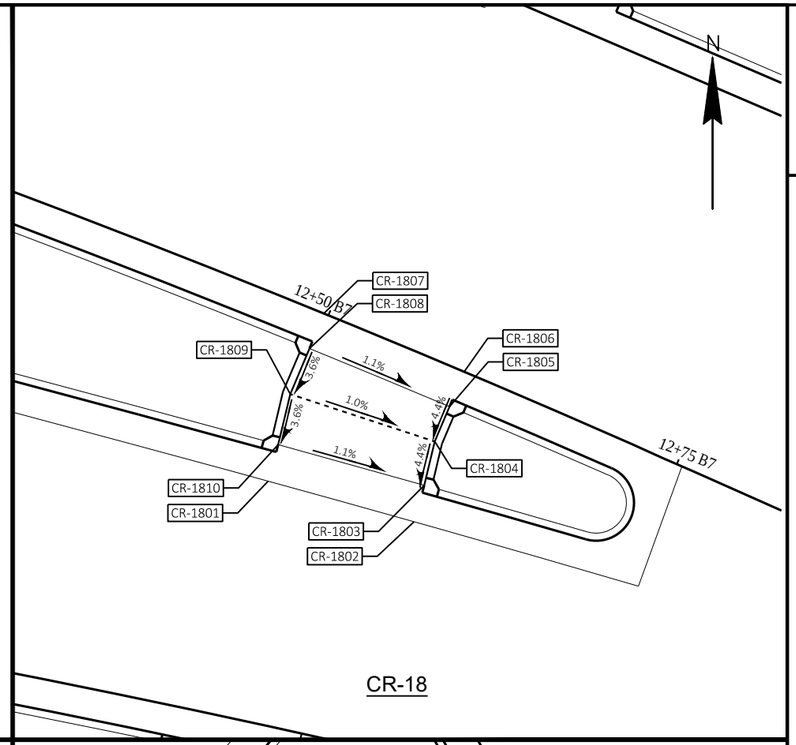
CR-16

CR-16 POINTS

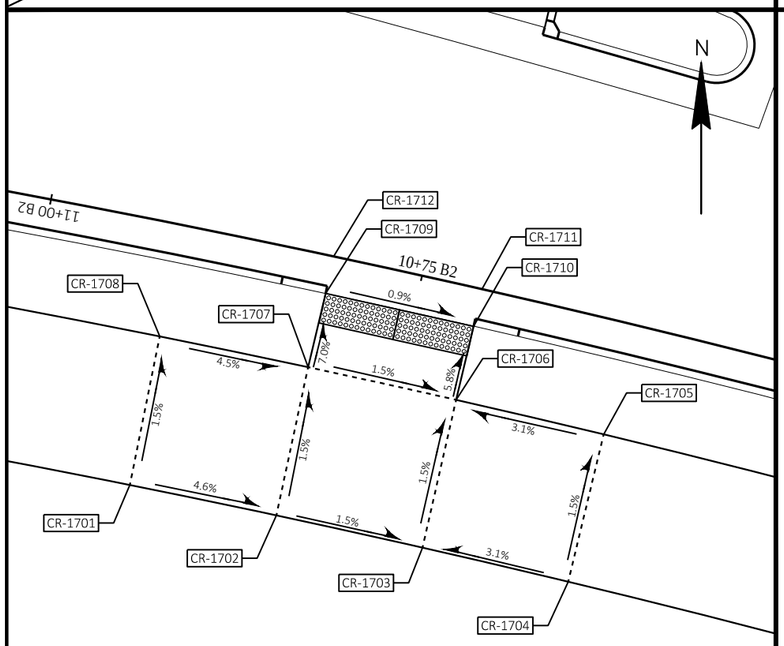
STATION & OFFSET TABLE			
POINT	STATION	OFFSET	ELEVATION
CR-1601	12+23.73 B2	17.5' LT	907.58
CR-1602	12+13.09 B2	17.5' LT	906.93
CR-1603	12+02.45 B2	17.5' LT	906.78
CR-1604	11+91.81 B2	17.5' LT	906.89
CR-1605	11+91.81 B2	7.5' LT	906.74
CR-1606	12+02.45 B2	7.5' LT	906.63
CR-1607	12+13.09 B2	7.5' LT	906.78
CR-1608	12+23.73 B2	7.5' LT	907.43
CR-1609	12+02.75 B2	2.5' LT	906.28
CR-1610	12+12.96 B2	2.5' LT	906.50
CR-1611	12+02.75 B2	0.0'	906.35
CR-1612	12+12.96 B2	0.0'	906.57

CR-18 POINTS

STATION & OFFSET TABLE			
POINT	STATION	OFFSET	ELEVATION
CR-1801	12+50.46 B7	11.6' RT	904.78
CR-1802	12+60.51 B7	10.4' RT	904.67
CR-1803	12+60.20 B7	7.9' RT	904.60
CR-1804	12+59.70 B7	5.0' RT	904.73
CR-1805	12+59.70 B7	2.5' RT	904.84
CR-1806	12+59.70 B7	0.0' LT	904.91
CR-1807	12+49.67 B7	0.0' LT	905.02
CR-1808	12+49.67 B7	2.5' RT	904.95
CR-1809	12+49.63 B7	5.8' RT	904.83
CR-1810	12+50.16 B7	9.2' RT	904.71



CR-18



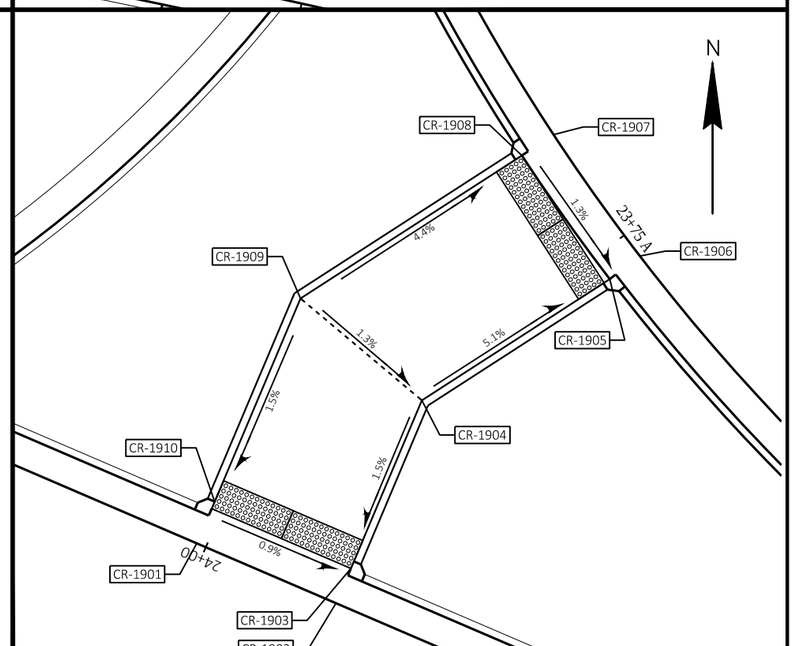
CR-17

CR-17 POINTS

STATION & OFFSET TABLE			
POINT	STATION	OFFSET	ELEVATION
CR-1701	10+91.19 B2	17.5' LT	905.34
CR-1702	10+81.09 B2	17.5' LT	904.89
CR-1703	10+71.00 B2	17.5' LT	904.74
CR-1704	10+60.90 B2	17.5' LT	905.05
CR-1705	10+60.90 B2	7.5' LT	904.90
CR-1706	10+71.00 B2	7.5' LT	904.59
CR-1707	10+81.09 B2	7.5' LT	904.74
CR-1708	10+91.19 B2	7.5' LT	905.19
CR-1709	10+80.98 B2	2.5' LT	904.39
CR-1710	10+70.94 B2	2.5' LT	904.30
CR-1711	10+70.94 B2	0.0'	904.37
CR-1712	10+80.98 B2	0.0'	904.46

CR-19 POINTS

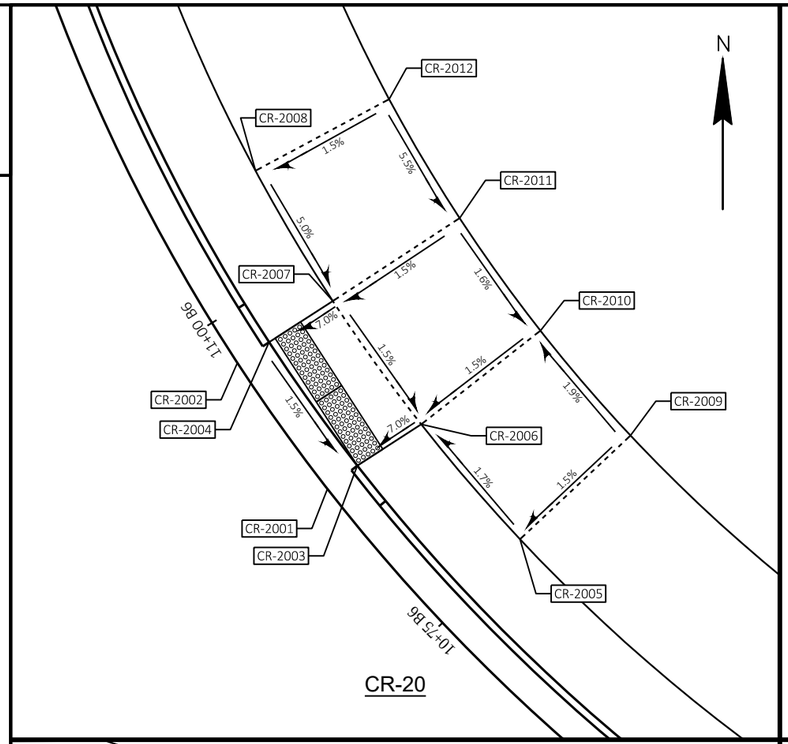
STATION & OFFSET TABLE			
POINT	STATION	OFFSET	ELEVATION
CR-1901	23+75.49 A	34.8' LT	905.38
CR-1902	23+68.41 A	30.0' LT	905.29
CR-1903	23+69.36 A	27.7' LT	905.22
CR-1904	23+74.35 A	17.2' LT	905.40
CR-1905	23+73.29 A	2.5' LT	904.65
CR-1906	23+73.29 A	0.0' LT	904.72
CR-1907	23+83.12 A	0.0' LT	904.85
CR-1908	23+83.12 A	2.5' LT	904.78
CR-1909	23+83.25 A	19.9' LT	905.54
CR-1910	23+76.71 A	32.2' LT	905.31



CR-19

PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	CONSTRUCTION DETAILS - CURB RAMP DETAILS	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\021101_CD.DWG PLOT DATE : 9/1/2020 9:26 AM PLOT BY : BECKER, ELISA PLOT NAME :



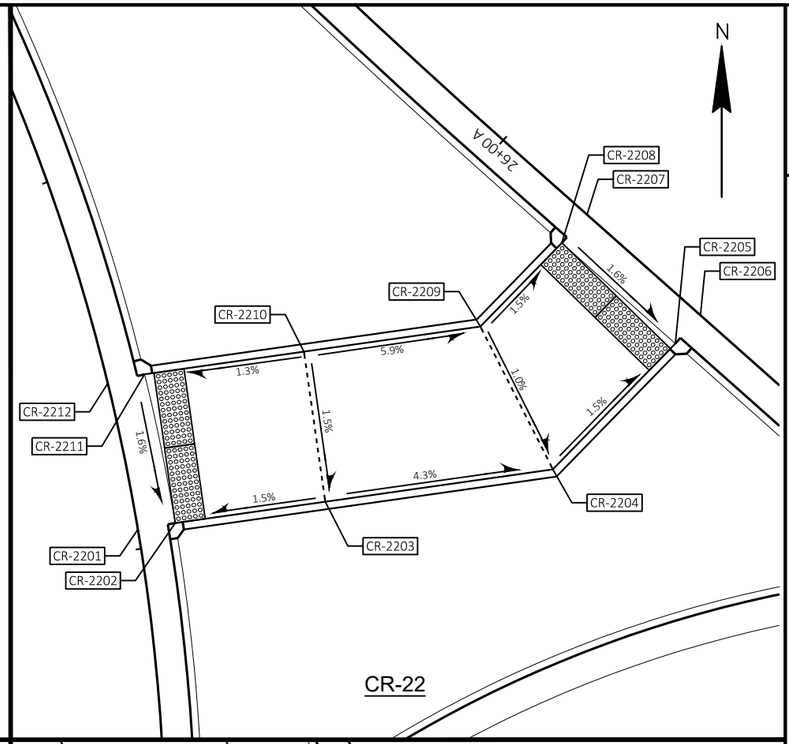
CR-20

CR-20 POINTS

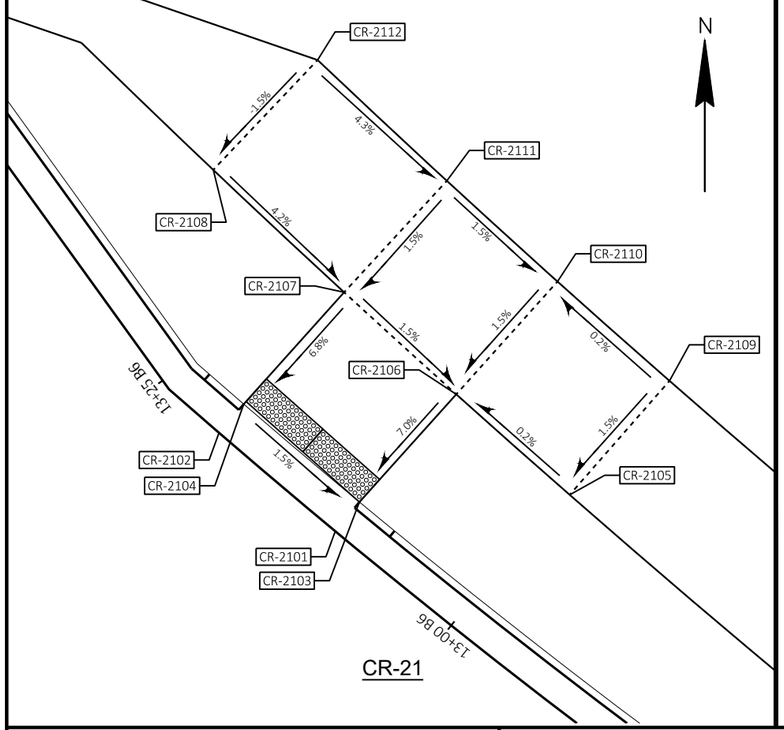
STATION & OFFSET TABLE			
POINT	STATION	OFFSET	ELEVATION
CR-2001	10+86.65 B6	0.0'	904.14
CR-2002	10+96.88 B6	0.0'	904.29
CR-2003	10+86.65 B6	2.5' RT	904.07
CR-2004	10+96.88 B6	2.5' RT	904.22
CR-2005	10+75.52 B6	7.5' RT	904.59
CR-2006	10+86.18 B6	7.5' RT	904.42
CR-2007	10+96.85 B6	7.5' RT	904.57
CR-2008	11+07.50 B6	7.5' RT	905.07
CR-2009	10+75.52 B6	17.5' RT	904.74
CR-2010	10+86.18 B6	17.5' RT	904.57
CR-2011	10+96.85 B6	17.5' RT	904.72
CR-2012	11+07.50 B6	17.5' RT	905.22

CR-22 POINTS

STATION & OFFSET TABLE			
POINT	STATION	OFFSET	ELEVATION
CR-2201	26+00.87 A	35.2' LT	907.49
CR-2202	25+99.40 A	33.3' LT	907.42
CR-2203	25+92.95 A	25.6' LT	907.57
CR-2204	25+83.13 A	14.1' LT	906.92
CR-2205	25+82.60 A	2.5' LT	906.75
CR-2206	25+82.60 A	0.0'	906.82
CR-2207	25+92.61 A	0.0'	906.98
CR-2208	25+92.61 A	2.5' LT	906.91
CR-2209	25+92.96 A	10.2' LT	907.03
CR-2210	26+00.52 A	19.2' LT	907.72
CR-2211	26+07.03 A	27.3' LT	907.58
CR-2212	26+08.35 A	29.4' LT	907.65



CR-22



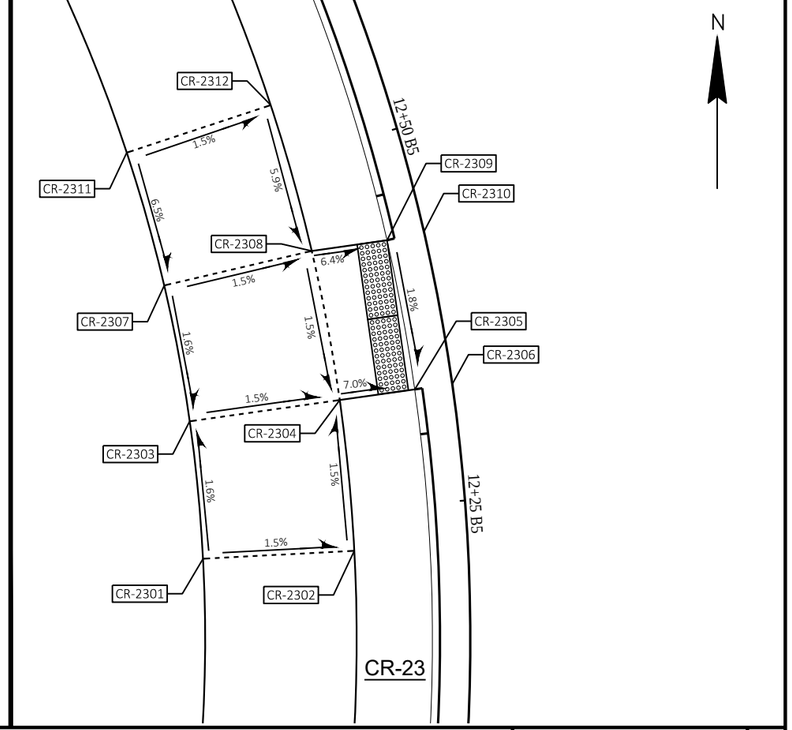
CR-21

CR-21 POINTS

STATION & OFFSET TABLE			
POINT	STATION	OFFSET	ELEVATION
CR-2101	13+09.86 B6	0.0'	906.36
CR-2102	13+19.92 B6	0.0'	906.51
CR-2103	13+09.86 B6	2.5' RT	906.29
CR-2104	13+19.92 B6	2.5' RT	906.44
CR-2105	12+99.24 B6	11.6' RT	906.98
CR-2106	13+09.47 B6	12.1' RT	906.96
CR-2107	13+19.72 B6	12.4' RT	907.11
CR-2108	13+34.31 B6	10.8' RT	907.61
CR-2109	12+98.74 B6	21.6' RT	907.13
CR-2110	13+09.05 B6	22.0' RT	907.11
CR-2111	13+19.38 B6	22.4' RT	907.26
CR-2112	13+36.17 B6	20.7' RT	907.76

CR-23 POINTS

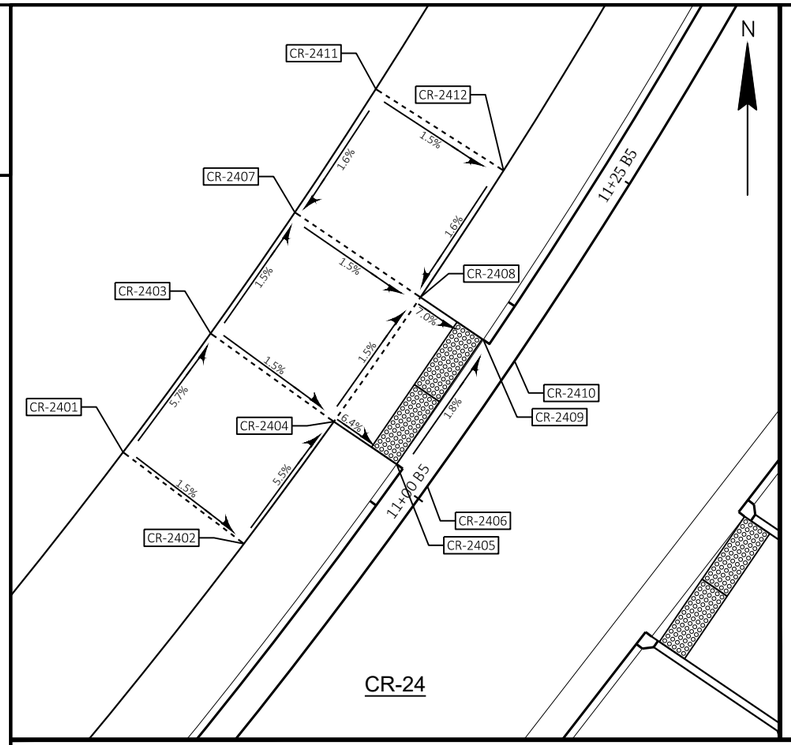
STATION & OFFSET TABLE			
POINT	STATION	OFFSET	ELEVATION
CR-2301	12+22.07 B5	17.5' LT	907.67
CR-2302	12+22.07 B5	7.5' LT	907.52
CR-2303	12+32.73 B5	17.5' LT	907.52
CR-2304	12+32.73 B5	7.5' LT	907.37
CR-2305	12+32.73 B5	2.5' LT	907.02
CR-2306	12+32.73 B5	0.0'	907.09
CR-2307	12+43.42 B5	17.5' LT	907.67
CR-2308	12+43.42 B5	7.5' LT	907.52
CR-2309	12+42.96 B5	2.5' LT	907.20
CR-2310	12+42.96 B5	0.0'	907.27
CR-2311	12+54.08 B5	17.5' LT	908.26
CR-2312	12+54.08 B5	7.5' LT	908.11



CR-23

PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	CONSTRUCTION DETAILS - CURB RAMP DETAILS	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\021101_CD.DWG PLOT DATE : 9/1/2020 9:26 AM PLOT BY : BECKER, ELISA PLOT NAME :



CR-24

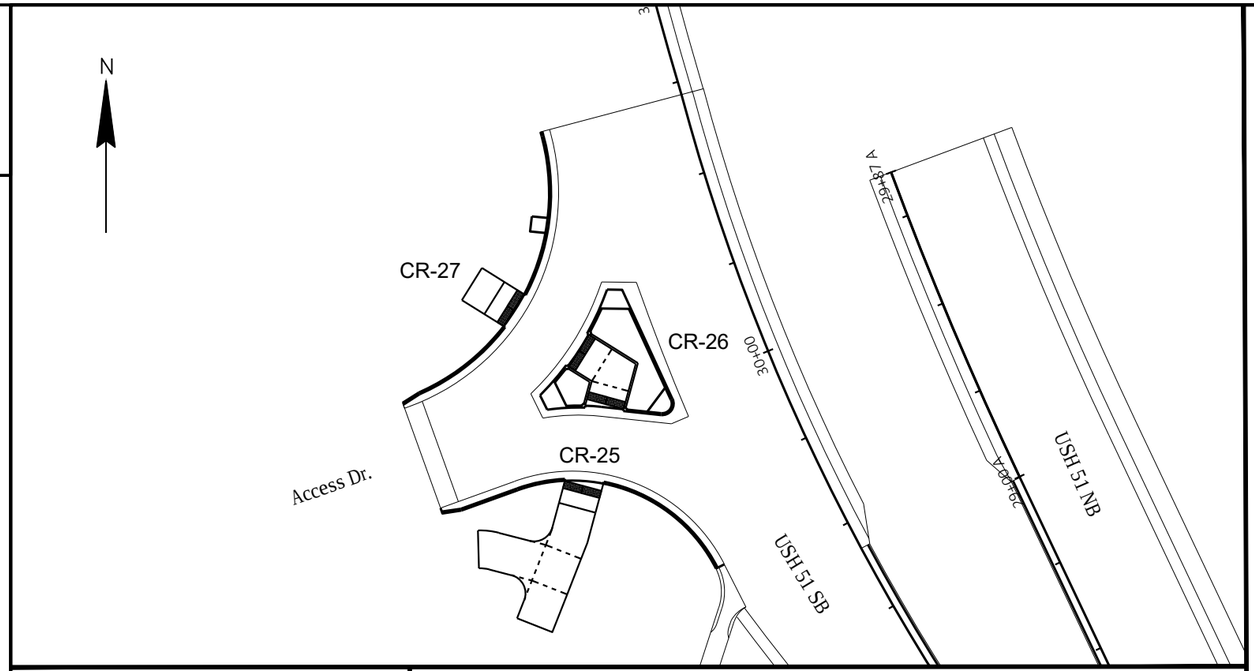
CR-24 POINTS

STATION & OFFSET TABLE			
POINT	STATION	OFFSET	ELEVATION
CR-2401	10+90.68 B5	17.5' LT	908.36
CR-2402	10+90.68 B5	7.5' LT	908.21
CR-2403	11+00.88 B5	17.5' LT	907.81
CR-2404	11+00.88 B5	7.5' LT	907.66
CR-2405	11+01.02 B5	2.5' LT	907.34
CR-2406	11+01.02 B5	0.0'	907.41
CR-2407	11+11.08 B5	17.5' LT	907.66
CR-2408	11+11.08 B5	7.5' LT	907.51
CR-2409	11+11.08 B5	2.5' LT	907.16
CR-2410	11+11.08 B5	0.0'	907.22
CR-2411	11+21.28 B5	17.5' LT	907.82
CR-2412	11+21.28 B5	7.5' LT	907.67

2

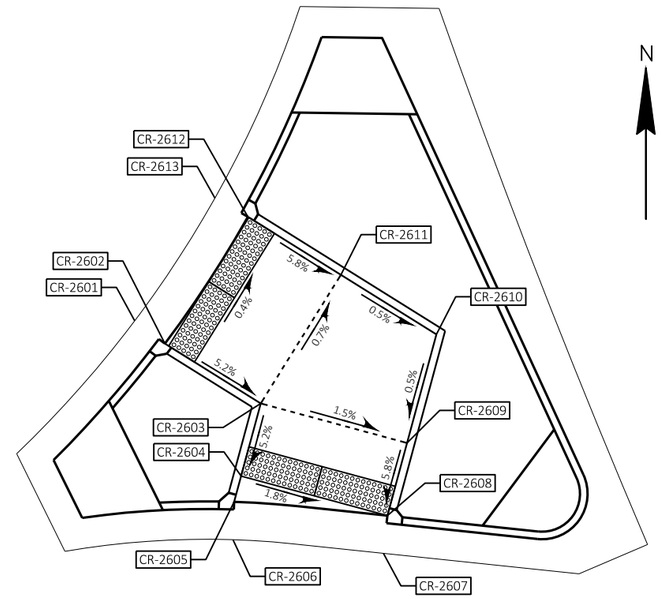
PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	CONSTRUCTION DETAILS - CURB RAMP DETAILS	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\021101_CD.DWG PLOT DATE : 9/1/2020 9:27 AM PLOT BY : BECKER, ELISA PLOT NAME :
WISDOT/CADDS SHEET 42



CR-26 POINTS

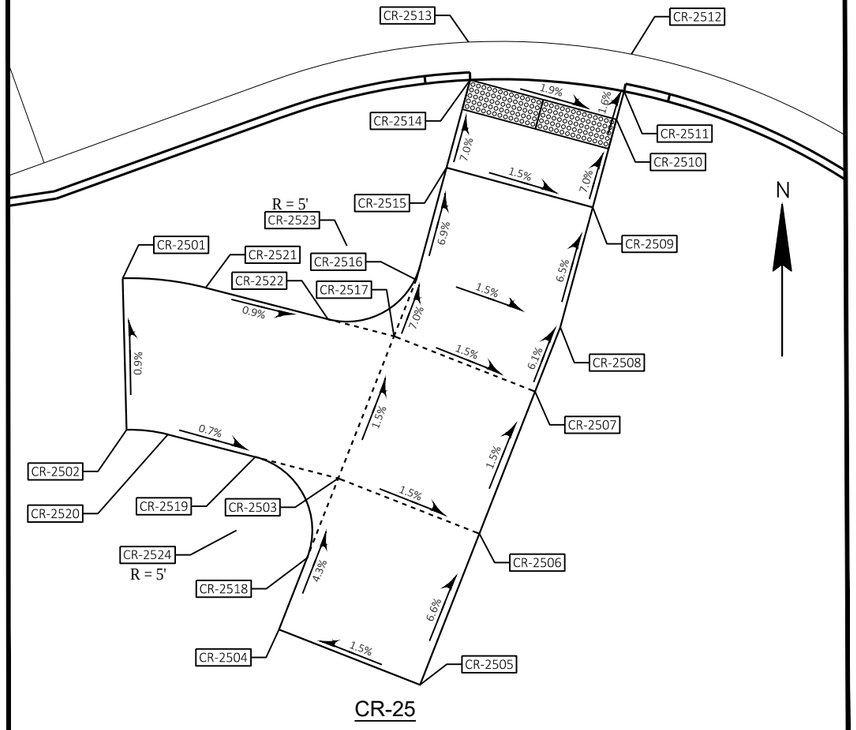
STATION & OFFSET TABLE			
POINT	STATION	OFFSET	ELEVATION
CR-2601	30+16.95 B	52.0' LT	908.52
CR-2602	30+15.01 B	50.6' LT	908.54
CR-2603	30+09.53 B	46.1' LT	908.16
CR-2604	30+05.87 B	49.1' LT	907.90
CR-2605	30+04.57 B	50.2' LT	907.87
CR-2606	30+02.47 B	51.2' LT	907.82
CR-2607	29+98.23 B	42.3' LT	907.67
CR-2608	30+00.28 B	41.1' LT	907.71
CR-2609	30+03.97 B	38.1' LT	908.01
CR-2610	30+09.56 B	33.7' LT	908.05
CR-2611	30+15.13 B	38.1' LT	908.09
CR-2612	30+20.47 B	42.6' LT	908.50
CR-2613	30+22.24 B	44.2' LT	908.48



CR-26

CR-25 POINTS

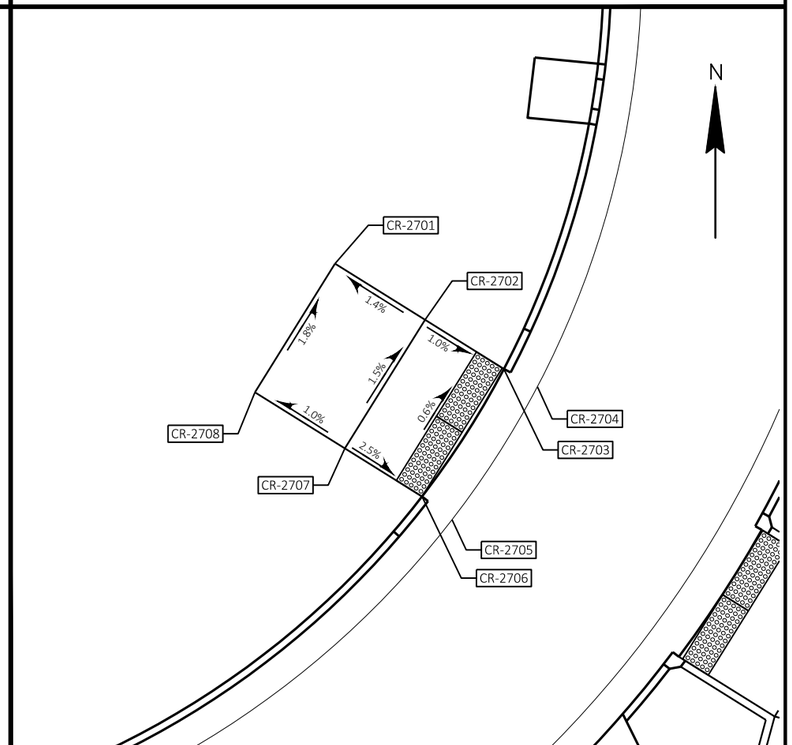
STATION & OFFSET TABLE			
POINT	STATION	OFFSET	ELEVATION
CR-2501	29+87.31 B	89.0' LT	908.90
CR-2502	29+79.37 B	92.8' LT	908.99
CR-2503	29+71.78 B	81.5' LT	908.89
CR-2504	29+65.44 B	89.3' LT	909.35
CR-2505	29+59.04 B	82.6' LT	909.45
CR-2506	29+65.37 B	74.7' LT	908.74
CR-2507	29+71.46 B	67.3' LT	908.59
CR-2508	29+74.27 B	64.0' LT	908.31
CR-2509	29+79.94 B	58.7' LT	907.78
CR-2510	29+84.16 B	54.9' LT	907.36
CR-2511	29+85.52 B	53.7' LT	907.33
CR-2512	29+87.39 B	52.3' LT	907.40
CR-2513	29+91.93 B	61.9' LT	907.62
CR-2514	29+89.82 B	62.7' LT	907.55
CR-2515	29+85.63 B	66.5' LT	907.93
CR-2516	29+80.34 B	71.3' LT	908.46
CR-2517	29+77.88 B	74.2' LT	908.74
CR-2518	29+68.42 B	85.6' LT	909.13
CR-2519	29+74.91 B	85.9' LT	908.93
CR-2520	29+78.15 B	90.5' LT	908.97
CR-2521	29+84.91 B	84.2' LT	908.86
CR-2522	29+80.37 B	77.7' LT	908.78
CR-2523	29+83.81 B	74.6' LT	
CR-2524	29+71.57 B	89.0' LT	



CR-25

CR-27 POINTS

STATION & OFFSET TABLE			
POINT	STATION	OFFSET	ELEVATION
CR-2701	30+44.02 B	63.5' LT	918.29
CR-2702	30+39.19 B	59.0' LT	908.39
CR-2703	30+34.88 B	55.1' LT	908.33
CR-2704	30+33.23 B	53.4' LT	908.40
CR-2705	30+27.41 B	61.6' LT	908.46
CR-2706	30+29.30 B	62.9' LT	908.39
CR-2707	30+33.48 B	66.7' LT	908.54
CR-2708	30+38.29 B	71.1' LT	918.47



PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	CONSTRUCTION DETAILS - CURB RAMP DETAILS	SHEET	E

LEGEND

	CURB RAMP TYPE X		CURB RAMP DETECTABLE WARNING FIELD YELLOW
CS-5	CONCRETE SIDEWALK 5-INCH	18-(R)	CONCRETE CURB & GUTTER 18-INCH TYPE A (REJECT)
CCS-5	CONCRETE SIDEWALK 5-INCH, COLORING CONCRETE WISDOT RED	30-A	CONCRETE CURB & GUTTER 30-INCH TYPE A
CRTA-12	CONCRETE TRUCK APRON 12-INCH, COLORING CONCRETE WISDOT RED	30-D	CONCRETE CURB & GUTTER 30-INCH TYPE D
CONC-8	CONCRETE PAVEMENT 8-INCH (DOWELED)	36-R	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R
CD-6	CONCRETE DRIVEWAY 6-INCH	(A)	CONCRETE MEDIAN SLOPE NOSE (TYPE 1)
HMA-4	HMA PAVEMENT, 4-INCH 2" HMA PAVEMENT 4 MT 58-28 S (UPPER LAYER) 2" HMA PAVEMENT 4 MT 58-S8 S (LOWER LAYER)	(B)	CONCRETE MEDIAN SLOPE NOSE (TYPE 2)
		J	CONCRETE CURB TYPE J
HMA-5	HMA PAVEMENT, 5-INCH 2" HMA PAVEMENT 4 MT 58-28 S (UPPER LAYER) 3" HMA PAVEMENT 4 MT 58-28 S (LOWER LAYER)		PROPOSED INLET
			PROPOSED STORM SEWER MANHOLE
ASPH	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	xxxx xxxx	SAWING CONCRETE
BAD(S)	BASE AGGREGATE DENSE 3/4-INCH	//////////	SAWING ASPHALT
BAD	BASE AGGREGATE DENSE 1 1/4-INCH	(C)	ADJUSTING VALVE BOX
GM	GRASS MEDIAN	(D)	ADJUSTING SANITARY MANHOLE COVERS

BEGIN PROJECT
STA. 10+00.00 A
X=858,720.94
Y=425,822.09

R/W (TYP.)

TLE (TYP.)

SLOPE INTERCEPT (TYP.)

MATCHLINE STA. 12+50 A

USH 51 SB

USH 51 NB

8+00 A
9+00 A
10+00 A
11+00 B
11+00 A
12+00 B
12+00 A

ASPH
BAD
CONC-8
CD-6
CS-5
30-A
30-D
5'
5.5'
28'
29'

N

PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	PLAN DETAILS: USH 51	SHEET	E

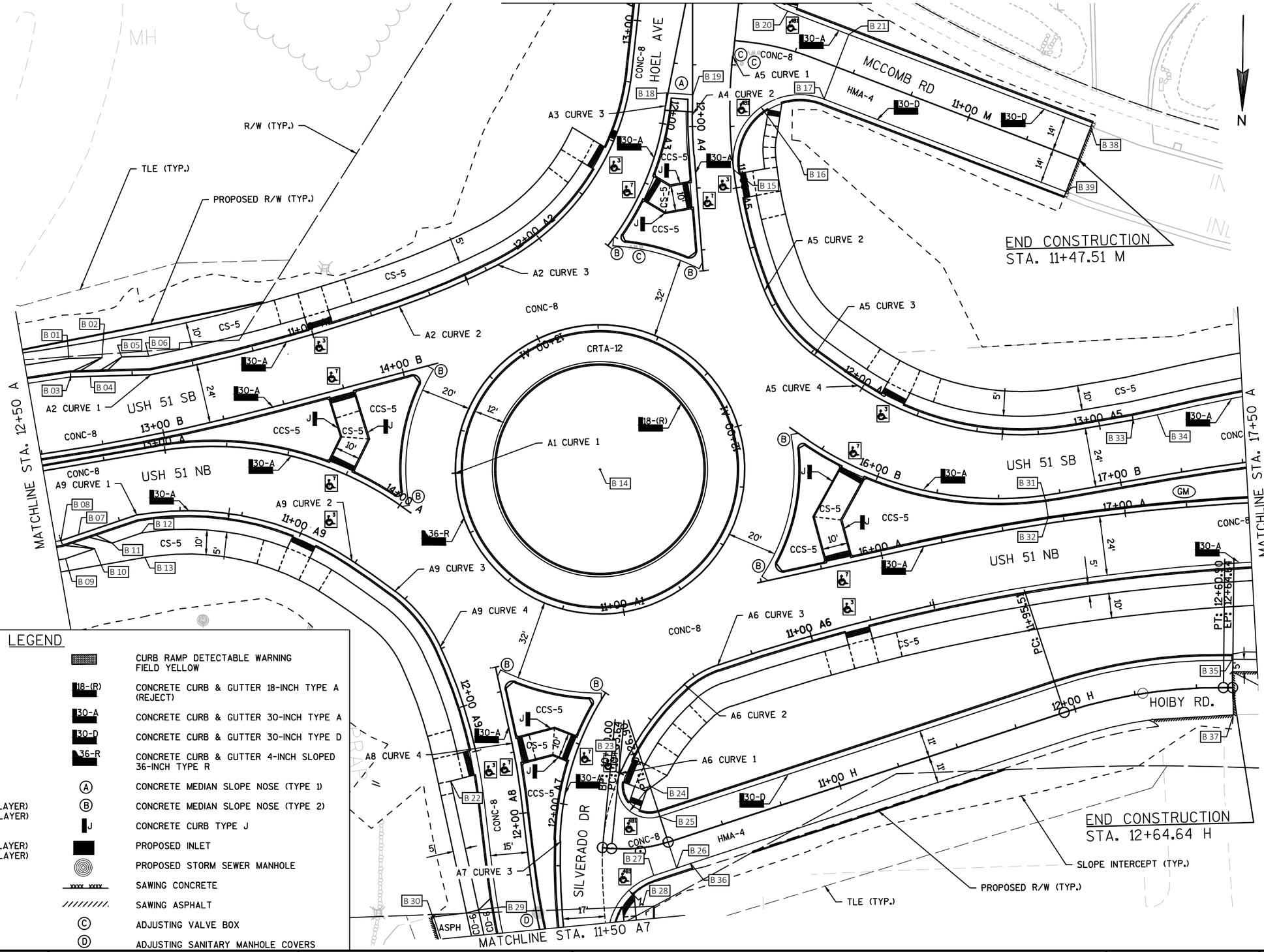
FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\021201_PD.DWG
LAYOUT NAME - 021201(A)

PLOT DATE : 9/1/2020 10:12 AM PLOT BY : LYNCH, CHRIS PLOT NAME : PLOT SCALE : ******

POINT	STATION	OFFSET	ELEVATION	NORTHING	EASTING	REMARKS
A 08	8+27.11 A	47.21' RT	---	425,875.02	858,892.16	MATCH EXISTING
A 09	8+29.04 A	47.74' RT	---	425,875.49	858,890.22	MATCH EXISTING
A 10	9+15.05 A	70.60' RT	---	425,895.48	858,803.49	R=90'
A 11	8+24.86 A	58.49' RT	---	425,886.37	858,894.04	MATCH EXISTING
A 12	8+26.84 A	58.75' RT	---	425,886.57	858,892.05	MATCH EXISTING
A 13	8+33.27 A	51.08' RT	919.18	425,878.69	858,885.88	FOS
A 14	8+33.44 A	41.08' RT	---	425,868.69	858,886.04	R=10'
A 15	0+00.00 M	0.00'	918.96	425,875.54	858,878.76	FOS
A 16	0+00.00 M	0.00'	918.72	425,870.86	858,867.48	BOS
A 17	8+58.97 A	50.96' RT	---	425,877.71	858,860.20	R=10'
A 18	8+58.89 A	40.96' RT	918.40	425,867.72	858,860.61	BOS
A 19	9+54.68 A	35.19' RT	---	425,858.76	858,765.06	FOS; DRIVEWAY
A 20	0+00.00 B	0.00'	---	425,857.75	858,737.83	FOS; DRIVEWAY
A 21	0+00.00 B	0.00'	914.21	425,858.07	858,719.77	FOS
A 22	0+00.00 B	0.00'	---	425,845.28	858,720.19	EOP; MATCH EXISTING
A 23	10+00.02 B	24.65' LT	---	425,797.45	858,721.74	EOP; MATCH EXISTING
A 24	10+39.10 B	28.21' RT	912.57	425,848.74	858,680.06	EOP
A 25	10+41.07 B	28.89' LT	912.47	425,791.64	858,681.91	EOP
A 26	11+24.15 B	38.87' LT	---	425,774.08	858,600.83	FOS; MATCH EXISTING
A 27	11+24.36 B	42.74' LT	---	425,770.21	858,600.99	BOS; MATCH EXISTING
A 28	11+44.39 A	47.99' LT	910.79	425,769.31	858,578.23	BOS
A 29	11+67.50 B	36.50' LT	---	425,772.37	858,557.45	FOS
A 30	11+96.58 B	36.50' LT	---	425,769.64	858,528.50	FOS; DRIVEWAY
A 31	12+07.06 A	75.41' LT	---	425,738.50	858,522.33	MATCH EXISTING
A 32	12+41.57 A	62.47' LT	---	425,747.04	858,488.87	MATCH EXISTING
A 33	12+16.52 A	101.40' RT	---	425,912.96	858,492.06	MATCH EXISTING
A 34	12+36.38 A	43.93' LT	---	425,766.14	858,491.35	FOS; DRIVEWAY
A 35	11+68.02 A	7.81' LT	910.24	425,808.65	858,553.36	EOP
A 36	11+68.24 A	0.00'	910.31	425,816.44	858,552.79	EOP
A 37	11+76.85 A	35.93' RT	---	425,851.86	858,542.08	FOS; DRIVEWAY
A 38	12+06.10 A	36.24' RT	---	425,849.59	858,511.16	FOS; DRIVEWAY
A 39	11+77.21 A	45.93' RT	---	425,861.83	858,541.11	---
A 40	12+06.01 A	45.98' RT	---	425,859.29	858,510.21	---
A 41	11+73.94 A	61.18' RT	---	425,877.26	858,543.80	END ASPHALT; BEGIN BASE AGGREGATE
A 42	12+09.25 A	60.31' RT	---	425,873.15	858,505.13	END ASPHALT; BEGIN BASE AGGREGATE
A 43	11+84.34 A	70.18' RT	---	425,885.52	858,531.72	---
A 44	11+89.16 A	72.80' RT	---	425,887.72	858,526.14	R=6'
A 45	11+94.34 A	71.29' RT	---	425,885.73	858,520.48	---
A 46	11+62.25 A	96.34' RT	---	425,912.97	858,555.45	MATCH EXISTING
A 47	11+71.65 A	100.92' RT	---	425,917.07	858,544.32	MATCH EXISTING
A 48	12+01.41 A	105.07' RT	---	425,918.60	858,509.24	MATCH EXISTING
A 49	11+70.12 A	28.06' RT	---	425,844.39	858,549.58	---
A 50	12+37.01 A	29.00' RT	---	425,838.22	858,480.24	---

NOTES: SEE CONSTRUCTION DETAIL "CURB RAMP DETAILS" FOR CURB RAMP LAYOUT INFORMATION.

SEE CONSTRUCTION DETAIL "SPLITTER ISLAND DETAIL" FOR MEDIAN ISLAND NOSE GEOMETRY



LEGEND

	CURB RAMP TYPE X		CURB RAMP DETECTABLE WARNING FIELD YELLOW
CS-5	CONCRETE SIDEWALK 5-INCH	18-(R)	CONCRETE CURB & GUTTER 18-INCH TYPE A (REJECT)
CCS-5	CONCRETE SIDEWALK 5-INCH, COLORING CONCRETE WISDOT RED	30-A	CONCRETE CURB & GUTTER 30-INCH TYPE A
CRTA-12	CONCRETE TRUCK APRON 12-INCH, COLORING CONCRETE WISDOT RED	30-D	CONCRETE CURB & GUTTER 30-INCH TYPE D
CONC-8	CONCRETE PAVEMENT 8-INCH (DOWELED)	36-R	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R
CD-6	CONCRETE DRIVEWAY 6-INCH	Ⓐ	CONCRETE MEDIAN SLOPE NOSE (TYPE 1)
HMA-4	HMA PAVEMENT, 4-INCH 2" HMA PAVEMENT 4 MT 58-28 S (UPPER LAYER) 2" HMA PAVEMENT 4 MT 58-S8 S (LOWER LAYER)	Ⓑ	CONCRETE MEDIAN SLOPE NOSE (TYPE 2)
		J	CONCRETE CURB TYPE J
HMA-5	HMA PAVEMENT, 5-INCH 2" HMA PAVEMENT 4 MT 58-28 S (UPPER LAYER) 3" HMA PAVEMENT 4 MT 58-28 S (LOWER LAYER)		PROPOSED INLET
			PROPOSED STORM SEWER MANHOLE
ASPH	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	xxxx xxxx	SAWING CONCRETE
BAD(S)	BASE AGGREGATE DENSE 3/4-INCH	//////////	SAWING ASPHALT
BAD	BASE AGGREGATE DENSE 1 1/4-INCH	Ⓒ	ADJUSTING VALVE BOX
GM	GRASS MEDIAN	Ⓓ	ADJUSTING SANITARY MANHOLE COVERS

PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	PLAN DETAILS: USH 51	SHEET	E

2

STATION & OFFSET TABLE

POINT	STATION	OFFSET	ELEVATION	NORTHING	EASTING	REMARKS
B 01	12+67.02 B	36.50' LT	---	425,762.46	858,459.99	FOS
B 02	12+80.93 B	34.58' LT	---	425,762.44	858,446.55	FOS
B 03	12+66.50 B	29.00' LT	---	425,769.96	858,459.47	BIKE RAMP OPENING
B 04	12+74.68 B	27.89' LT	---	425,769.95	858,451.50	BIKE RAMP OPENING
B 05	12+89.14 B	33.33' LT	---	425,762.43	858,438.57	FOS
B 06	13+00.35 B	31.50' LT	---	425,762.41	858,427.65	FOS
B 07	12+59.71 A	27.85' RT	---	425,833.82	858,457.95	BIKE RAMP OPENING
B 08	12+52.34 A	29.00' RT	---	425,836.02	858,465.07	BIKE RAMP OPENING
B 09	12+52.92 A	36.50' RT	---	425,843.35	858,463.42	FOS
B 10	12+65.15 A	34.59' RT	---	425,839.71	858,451.59	FOS
B 11	12+72.52 A	33.44' RT	---	425,837.51	858,444.47	FOS
B 12	12+84.91 A	31.50' RT	---	425,833.81	858,432.48	FOS
B 13	12+84.64 A	41.50' RT	---	425,843.74	858,431.31	BOS
B 14	14+77.02 A	32.41' LT	910.60	425,812.96	858,246.31	GRADING HIGH POINT
B 15	12+18.72 A4	15.56' LT	---	425,693.23	858,189.01	EOP; BEGIN RADIUS
B 16	12+17.49 A4	42.53' LT	---	425,690.62	858,162.14	R=27'
B 17	10+42.68 M	14.00' RT	906.20	425,665.67	858,151.83	EOP; PAVEMENT TYPE TRANSITION; END RADIUS
B 18	11+87.50 A3	0.50' RT	907.42	425,661.48	858,215.34	EOP
B 19	11+87.14 A4	0.12' LT	907.31	425,662.47	858,204.79	EOP
B 20	10+18.23 M	15.05' LT	906.62	425,629.71	858,165.56	EOP; BEGIN RADIUS
B 21	10+42.68 M	14.00' LT	906.20	425,639.79	858,141.15	EOP; PAVEMENT TYPE TRANSITION
B 22	12+01.56 A7	46.62' LT	---	425,937.36	858,310.06	FOS
B 23	12+19.05 A7	19.37' RT	903.95	425,936.05	858,241.44	EOP; END RADIUS
B 24	12+17.55 A7	32.32' RT	---	425,941.45	858,229.61	R=13'
B 25	10+26.85 H	11.00' LT	903.13	425,953.91	858,225.88	EOP; PAVEMENT TYPE TRANSITION; BEGIN RADIUS
B 26	10+26.87 H	11.00' RT	902.63	425,974.98	858,219.58	PAVEMENT TYPE TRANSITION
B 27	11+69.87 A7	37.72' RT	902.71	425,977.79	858,228.97	EOP; END RADIUS
B 28	11+39.18 A7	44.00' RT	---	426,003.66	858,221.23	R=27'
B 29	11+59.32 A7	33.66' LT	---	425,989.75	858,300.10	FOS; DRIVEWAY
B 30	11+57.93 A7	52.46' LT	---	425,992.14	858,318.82	MATCH EXISTING
B 31	16+68.94 A	8.90' LT	---	425,830.69	858,066.42	MEDIAN TREATMENT TRANSITION
B 32	16+68.94 A	2.50' LT	---	425,837.04	858,065.62	MEDIAN TREATMENT TRANSITION
B 33	17+09.22 B	24.00' LT	---	425,798.68	858,030.26	EOP
B 34	17+19.22 B	24.40' LT	903.87	425,796.83	858,020.42	EOP; END RADIUS
B 35	12+64.16 H	11.00' LT	---	425,896.98	857,992.93	MATCH EXISTING
B 36	15+44.49 A	116.59' RT	902.57	425,973.27	858,213.83	END OF CURB & GUTTER
B 37	0+00.00 H	0.00'	---	425,918.99	857,992.85	MATCH EXISTING
B 38	11+47.51 M	14.00' LT	---	425,679.80	858,044.26	END OF CURB & GUTTER; MATCH EXISTING
B 39	11+47.51 M	14.00' RT	---	425,705.68	858,054.94	END OF CURB & GUTTER; MATCH EXISTING
B 40	12+64.40 H	6.51' LT	---	425,901.47	857,992.85	MATCH EXISTING

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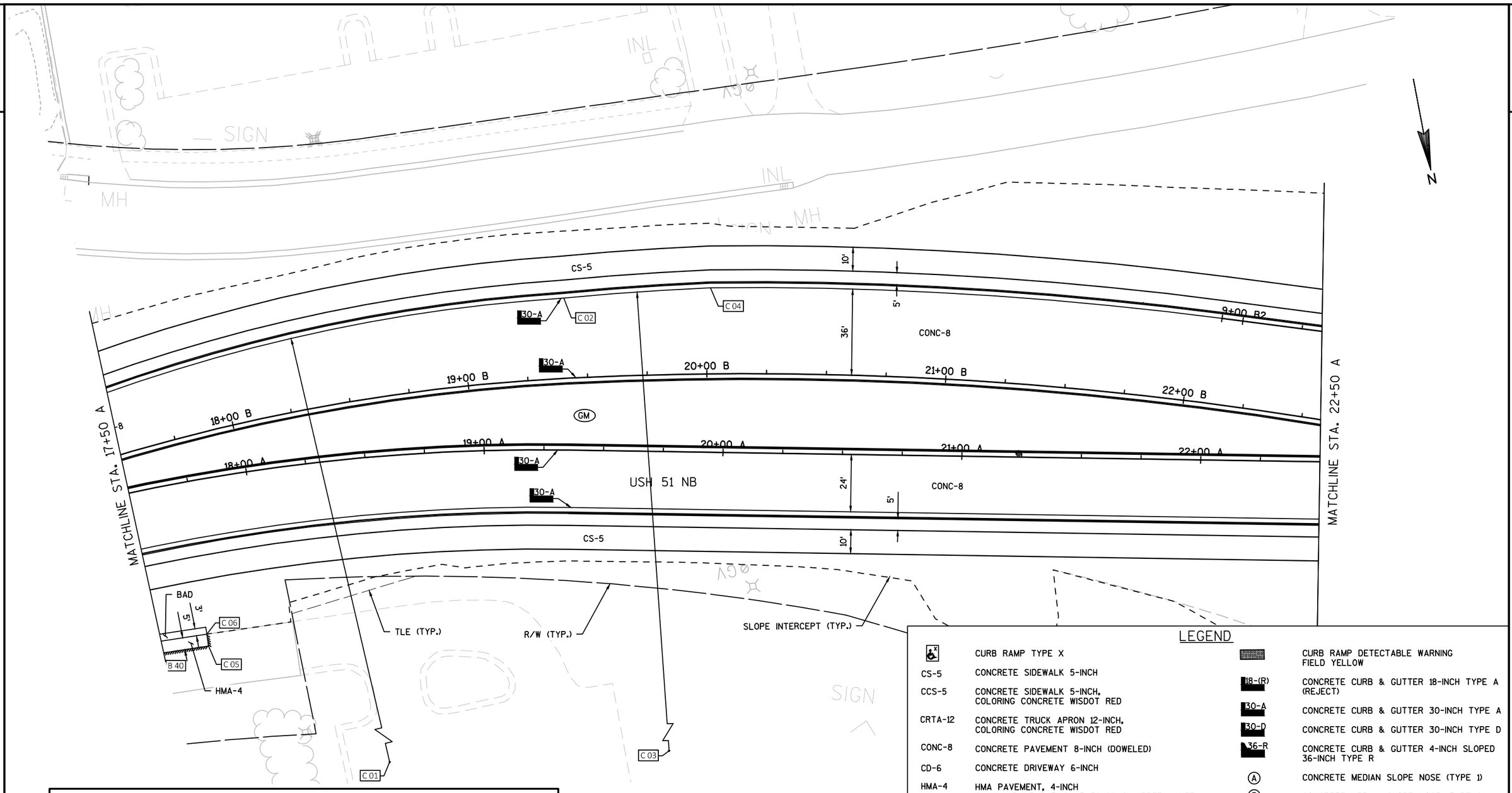

STATION & OFFSET TABLE

POINT	STATION	OFFSET	ELEVATION	NORTHING	EASTING	REMARKS
C 01	19+84.73 A	622.17' RT	---	426,468.85	857,874.25	R=705'
C 02	19+32.58 A	63.57' LT	902.26	425,786.21	857,790.68	EOP; BEGIN / END RADIUS
C 03	20+61.83 A	1089.18' RT	---	426,941.90	857,890.56	R=1160'
C 04	19+93.69 A	68.81' LT	901.85	425,793.14	857,729.48	EOP; BEGIN / END RADIUS
C 05	17+71.11 A	69.30' RT	---	425,902.37	857,963.31	MATCH EXISTING
C 06	17+71.28 A	64.30' RT	---	425,897.37	857,963.16	MATCH EXISTING

LEGEND

6x	CURB RAMP TYPE X		CURB RAMP DETECTABLE WARNING FIELD YELLOW
CS-5	CONCRETE SIDEWALK 5-INCH	18-(R)	CONCRETE CURB & GUTTER 18-INCH TYPE A (REJECT)
CCS-5	CONCRETE SIDEWALK 5-INCH, COLORING CONCRETE WISDOT RED	30-A	CONCRETE CURB & GUTTER 30-INCH TYPE A
CRTA-12	CONCRETE TRUCK APRON 12-INCH, COLORING CONCRETE WISDOT RED	30-D	CONCRETE CURB & GUTTER 30-INCH TYPE D
CONC-8	CONCRETE PAVEMENT 8-INCH (DOWELED)	36-R	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R
CD-6	CONCRETE DRIVEWAY 6-INCH	A	CONCRETE MEDIAN SLOPE NOSE (TYPE 1)
HMA-4	HMA PAVEMENT, 4-INCH 2" HMA PAVEMENT 4 MT 58-28 S (UPPER LAYER) 2" HMA PAVEMENT 4 MT 58-S8 S (LOWER LAYER)	B	CONCRETE MEDIAN SLOPE NOSE (TYPE 2)
		J	CONCRETE CURB TYPE J
HMA-5	HMA PAVEMENT, 5-INCH 2" HMA PAVEMENT 4 MT 58-28 S (UPPER LAYER) 3" HMA PAVEMENT 4 MT 58-28 S (LOWER LAYER)		PROPOSED INLET
			PROPOSED STORM SEWER MANHOLE
ASPH	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	xxxx xxxx	SAWING CONCRETE
BAD(S)	BASE AGGREGATE DENSE 3/4-INCH		SAWING ASPHALT
BAD	BASE AGGREGATE DENSE 1 1/4-INCH	C	ADJUSTING VALVE BOX
GM	GRASS MEDIAN	D	ADJUSTING SANITARY MANHOLE COVERS

PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	PLAN DETAILS: USH 51	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\021201_PD.DWG
LAYOUT NAME - 021203(A)
PLOT DATE : 9/1/2020 10:13 AM PLOT BY : LYNCH, CHRIS PLOT NAME : PLOT SCALE : ******

LEGEND

	CURB RAMP TYPE X		CURB RAMP DETECTABLE WARNING FIELD YELLOW
CS-5	CONCRETE SIDEWALK 5-INCH	18-(R)	CONCRETE CURB & GUTTER 18-INCH TYPE A (REJECT)
CCS-5	CONCRETE SIDEWALK 5-INCH, COLORING CONCRETE WISDOT RED	30-A	CONCRETE CURB & GUTTER 30-INCH TYPE A
CRTA-12	CONCRETE TRUCK APRON 12-INCH, COLORING CONCRETE WISDOT RED	30-D	CONCRETE CURB & GUTTER 30-INCH TYPE D
CONC-8	CONCRETE PAVEMENT 8-INCH (DOWELED)	36-R	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R
CD-6	CONCRETE DRIVEWAY 6-INCH	Ⓐ	CONCRETE MEDIAN SLOPE NOSE (TYPE 1)
HMA-4	HMA PAVEMENT, 4-INCH 2" HMA PAVEMENT 4 MT 58-28 S (UPPER LAYER) 2" HMA PAVEMENT 4 MT 58-S8 S (LOWER LAYER)	Ⓑ	CONCRETE MEDIAN SLOPE NOSE (TYPE 2)
		J	CONCRETE CURB TYPE J
HMA-5	HMA PAVEMENT, 5-INCH 2" HMA PAVEMENT 4 MT 58-28 S (UPPER LAYER) 3" HMA PAVEMENT 4 MT 58-28 S (LOWER LAYER)		PROPOSED INLET
			PROPOSED STORM SEWER MANHOLE
ASPH	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	xxxx xxxx	SAWING CONCRETE
BAD(S)	BASE AGGREGATE DENSE 3/4-INCH	//////////	SAWING ASPHALT
BAD	BASE AGGREGATE DENSE 1 1/4-INCH	Ⓒ	ADJUSTING VALVE BOX
GM	GRASS MEDIAN	Ⓓ	ADJUSTING SANITARY MANHOLE COVERS

MATCHLINE STA. 12+50 B3

MATCHLINE STA. 22+50 A

MATCHLINE STA. 27+50 A

STH 138 EB

STH 138 WB

USH 51 SB

USH 51 NB

B7 CURVE 2
B7 CURVE 3
B3 CURVE 3
B5 CURVE 1
B2 CURVE 2
B7 CURVE 4
B7 CURVE 5
B7 CURVE 6
B7 CURVE 8
B7 CURVE 7
B2 CURVE 1
B1 CURVE 1
B5 CURVE 2
B5 CURVE 3
B5 CURVE 4
B6 CURVE 2
B6 CURVE 1
B6 CURVE 3
B6 CURVE 4

11+00 B3
13+00 B4
11+00 B7
12+00 B7
11+00 B2
10+00 B2
13+00 B7
24+00 B
24+00 A
23+00 B
23+00 A
12+00 B1
13+00 B1
11+00 B6
12+00 B6
13+00 B6
26+00 B
27+00 B
27+00 A
25+00 A
13+00 B5

CS-5
CCS-5
CONC-8
CRTA-12
30-A
36-R
18-(R)
BAD(S)
GM
R/W (TYP.)
SLOPE INTERCEPT (TYP.)

D 01 D 02 D 03 D 04 D 05 D 06 D 07 D 08 D 09 D 10 D 11 D 12 D 13 D 14 D 15 D 16 D 17 D 18 D 19 D 20 D 21 D 22 D 23 D 24 D 25 D 26 D 27 D 28 D 29 D 30 D 31 D 32 D 33 D 34

NOTES: SEE CONSTRUCTION DETAIL "CURB RAMP DETAILS" FOR CURB RAMP LAYOUT INFORMATION.

SEE CONSTRUCTION DETAIL "SPLITTER ISLAND DETAIL" FOR MEDIAN ISLAND NOSE GEOMETRY

PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	PLAN DETAILS: USH 51	SHEET	E

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STATION & OFFSET TABLE

POINT	STATION	OFFSET	ELEVATION	NORTHING	EASTING	REMARKS
D 01	23+00.85 A	2.50' LT	---	425,920.87	857,441.52	MEDIAN TREATMENT TRANSITION
D 02	23+00.84 A	8.78' LT	---	425,915.04	857,439.19	MEDIAN TREATMENT TRANSITION
D 03	12+75.37 B7	0.01' LT	904.73	425,915.33	857,370.44	EOP
D 04	12+75.82 B7	8.39' RT	904.53	425,907.42	857,367.57	EOP
D 05	0+00.00 B7	0.00'	---	425,248.35	857,195.97	R=1500'
D 06	11+86.88 B7	17.04' RT	905.66	425,930.59	857,282.61	EOP
D 07	10+36.99 B7	137.78' RT	---	425,809.85	857,250.27	R=125'
D 08	10+73.06 B7	14.38' RT	907.31	425,916.96	857,185.84	EOP
D 09	10+31.94 B7	6.95' RT	908.21	425,896.88	857,152.46	EOP
D 10	10+32.80 B7	24.00' RT	908.27	425,902.35	857,148.08	EOP
D 11	12+54.31 B4	24.88' LT	---	425,945.41	857,102.63	FOS
D 12	12+45.38 B4	26.16' LT	---	425,940.83	857,095.52	FOS
D 13	12+42.42 B4	18.97' LT	---	425,933.56	857,098.09	BIKE RAMP OPENING
D 14	24+88.11 A	42.13' LT	910.88	426,040.92	857,289.23	GRADING HIGH POINT
D 15	25+04.22 A	1.73' LT	---	426,076.33	857,314.50	EDGE OF TRUCK APRON
D 16	24+96.82 A	20.30' LT	---	426,060.05	857,302.88	R=20'
D 17	25+14.01 A	10.08' LT	---	426,080.04	857,302.18	EDGE OF TRUCK APRON
D 18	24+28.06 A	61.20' LT	---	425,980.10	857,305.66	R=100'
D 19	25+27.75 A	53.38' LT	---	426,068.18	857,258.33	EDGE OF TRUCK APRON
D 20	25+07.81 A	54.94' LT	---	426,050.57	857,267.80	R=20'
D 21	25+24.58 A	65.84' LT	---	426,058.78	857,249.56	EDGE OF TRUCK APRON
D 22	25+26.02 A	59.00' RT	906.38	426,127.50	857,353.79	BOS
D 23	29+50.78 A	812.68' RT	---	426,754.79	857,821.56	R=782.5'
D 24	26+04.31 A	46.74' RT	907.76	426,187.25	857,282.85	BOS
D 25	26+17.56 A	36.97' RT	---	426,188.38	857,267.27	FOS
D 26	26+32.13 A	30.49' RT	---	426,193.29	857,253.00	BIKE RAMP OPENING
D 27	26+39.42 A	31.53' RT	---	426,198.92	857,248.94	BIKE RAMP OPENING
D 28	26+69.51 A	2.50' LT	---	426,197.62	857,204.10	MEDIAN TREATMENT TRANSITION
D 29	26+69.51 A	8.74' LT	---	426,193.54	857,199.37	MEDIAN TREATMENT TRANSITION
D 30	27+38.85 B	44.69' LT	---	426,188.29	857,140.21	BOS
D 31	27+45.14 B	35.40' LT	---	426,199.20	857,142.81	FOS
D 32	27+55.65 B	28.00' LT	---	426,211.95	857,141.18	BIKE RAMP OPENING
D 33	27+62.63 B	28.00' LT	---	426,217.10	857,136.47	BIKE RAMP OPENING
D 34	12+40.99 B7	12.73' RT	904.88	425,916.81	857,334.07	EOP

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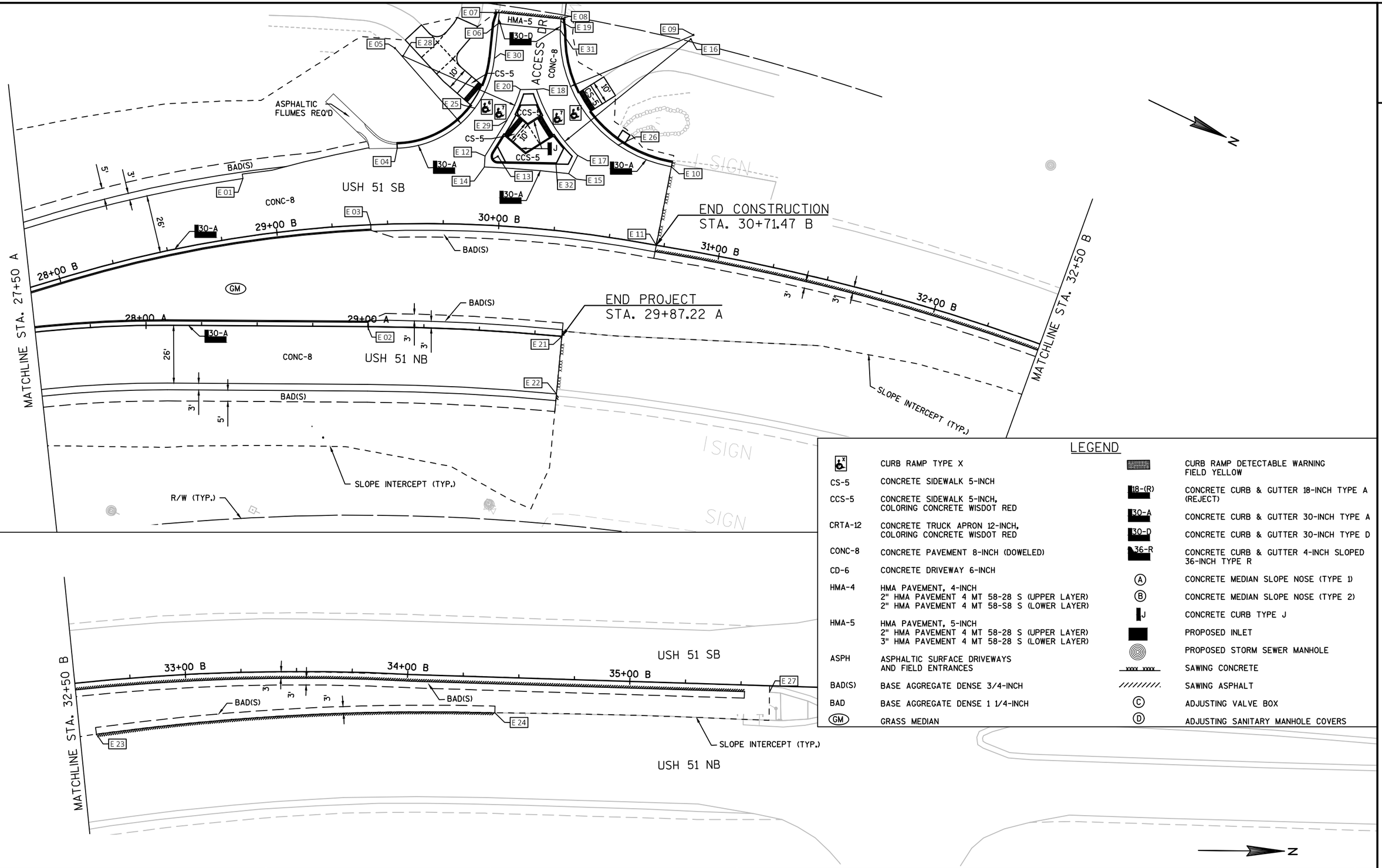

LEGEND

	CURB RAMP TYPE X		CURB RAMP DETECTABLE WARNING FIELD YELLOW
CS-5	CONCRETE SIDEWALK 5-INCH	18-(R)	CONCRETE CURB & GUTTER 18-INCH TYPE A (REJECT)
CCS-5	CONCRETE SIDEWALK 5-INCH, COLORING CONCRETE WISDOT RED	30-A	CONCRETE CURB & GUTTER 30-INCH TYPE A
CRTA-12	CONCRETE TRUCK APRON 12-INCH, COLORING CONCRETE WISDOT RED	30-D	CONCRETE CURB & GUTTER 30-INCH TYPE D
CONC-8	CONCRETE PAVEMENT 8-INCH (DOWELED)	36-R	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R
CD-6	CONCRETE DRIVEWAY 6-INCH	A	CONCRETE MEDIAN SLOPE NOSE (TYPE 1)
HMA-4	HMA PAVEMENT, 4-INCH 2" HMA PAVEMENT 4 MT 58-28 S (UPPER LAYER) 2" HMA PAVEMENT 4 MT 58-S8 S (LOWER LAYER)	B	CONCRETE MEDIAN SLOPE NOSE (TYPE 2)
		J	CONCRETE CURB TYPE J
HMA-5	HMA PAVEMENT, 5-INCH 2" HMA PAVEMENT 4 MT 58-28 S (UPPER LAYER) 3" HMA PAVEMENT 4 MT 58-28 S (LOWER LAYER)		PROPOSED INLET
			PROPOSED STORM SEWER MANHOLE
ASPH	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	xxxx xxxx	SAWING CONCRETE
BAD(S)	BASE AGGREGATE DENSE 3/4-INCH		SAWING ASPHALT
BAD	BASE AGGREGATE DENSE 1 1/4-INCH	C	ADJUSTING VALVE BOX
GM	GRASS MEDIAN	D	ADJUSTING SANITARY MANHOLE COVERS

PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	PLAN DETAILS: USH 51	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\021201_PD.DWG
LAYOUT NAME - 021205 (A)
PLOT DATE : 9/1/2020 10:14 AM PLOT BY : LYNCH, CHRIS PLOT NAME : PLOT SCALE : **********
WISDOT/CADDS SHEET 44

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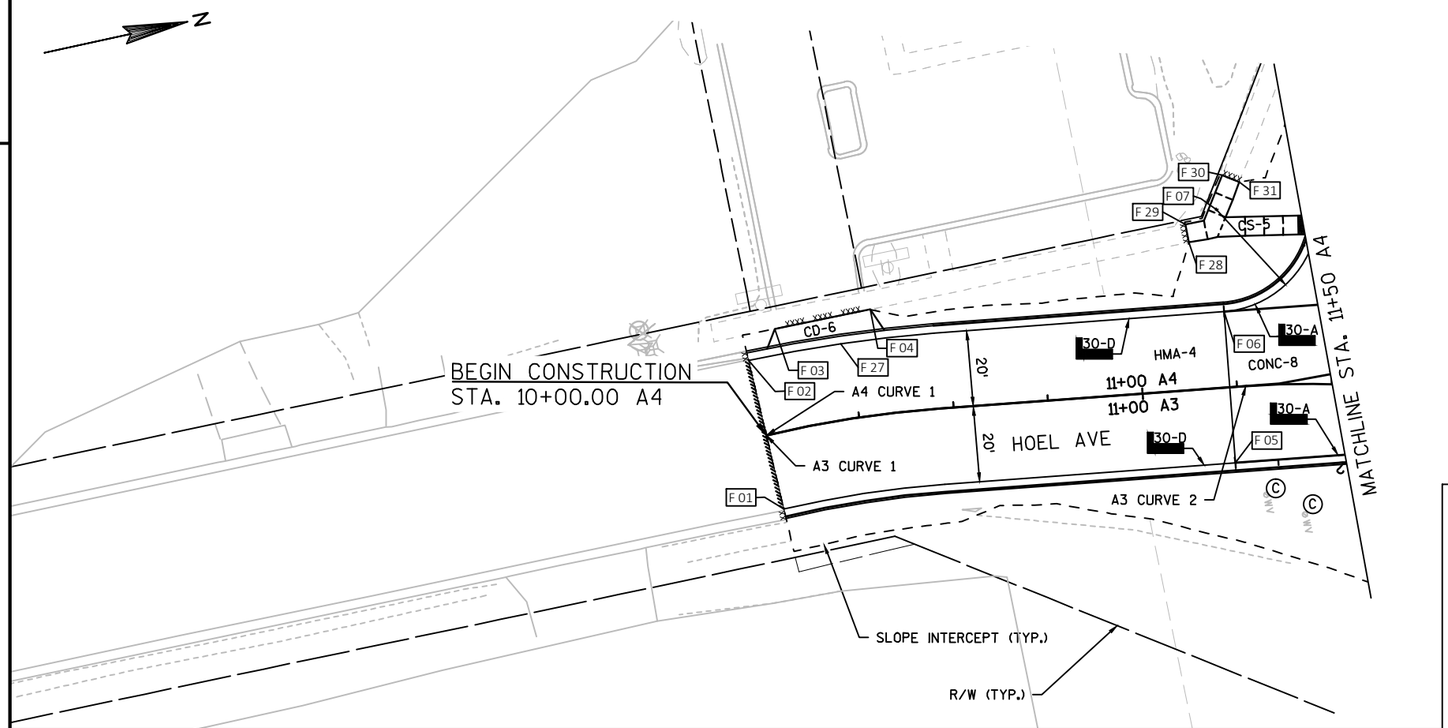
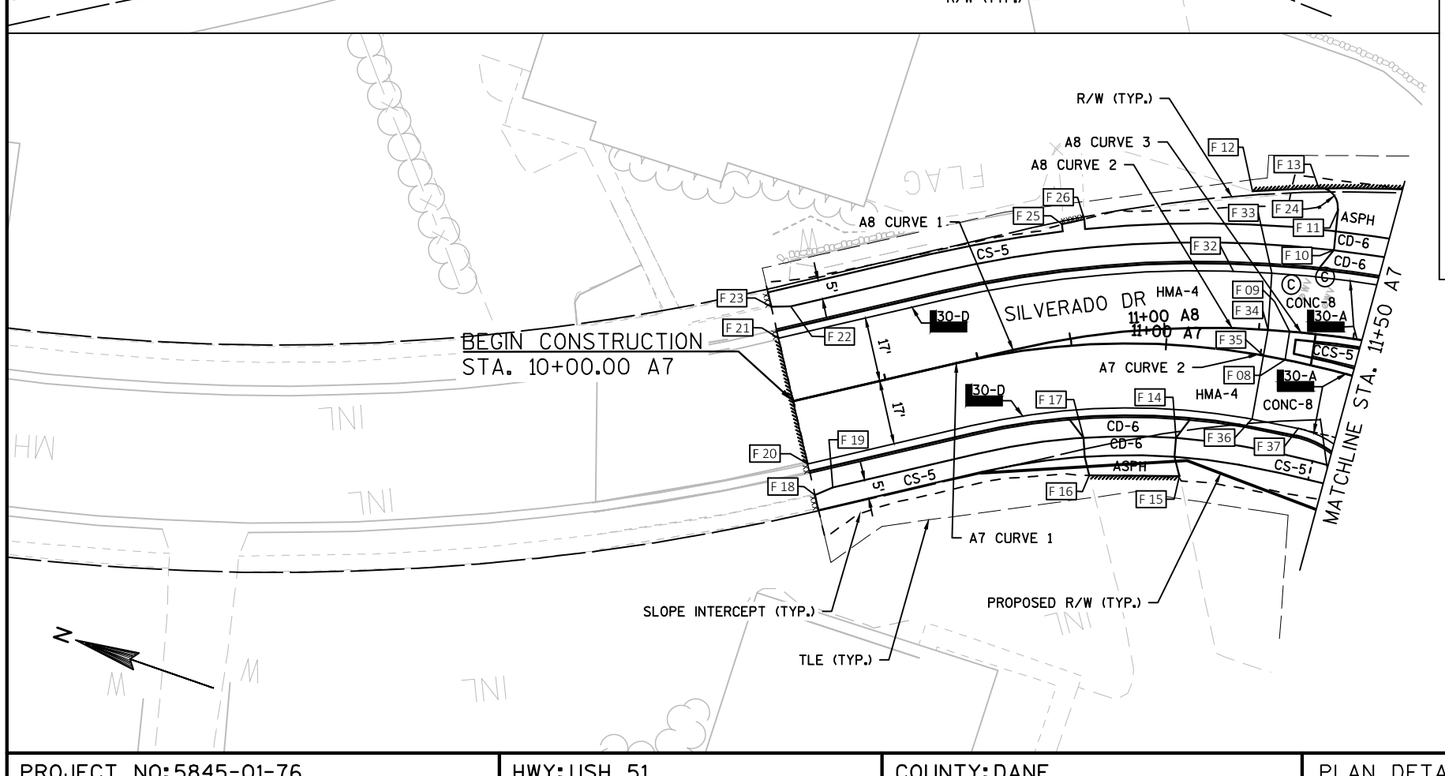
STATION & OFFSET TABLE

POINT	STATION	OFFSET	ELEVATION	NORTHING	EASTING	REMARKS
E 01	28+88.30 B	26.00' LT	913.93	426,318.30	857,055.58	EOP
E 02	28+99.76 A	0.00' LT	---	426,397.77	857,091.17	EOP; END CURB & GUTTER
E 03	29+42.40 B	0.00'	---	426,379.11	857,049.31	EOP; END OF CURB & GUTTER
E 04	29+55.01 B	34.01' LT	916.21	426,374.86	857,013.15	EOP; END OF RADIUS
E 05	29+54.98 B	79.01' LT	---	426,354.44	856,973.05	R=45'
E 06	29+95.10 B	90.74' LT	918.20	426,391.43	856,942.96	EOP; PAVEMENT TYPE TRANSITION
E 07	29+95.33 B	95.74' LT	---	426,389.73	856,938.25	MATCH EXISTING
E 08	30+19.22 B	94.88' LT	---	426,416.05	856,928.76	MATCH EXISTING
E 09	30+72.91 B	95.99' LT	---	426,472.88	856,909.43	R=60'
E 10	30+72.57 B	35.98' LT	---	426,489.62	856,967.06	MATCH EXISTING
E 11	30+71.48 B	0.00' RT	---	426,498.84	857,001.86	MATCH EXISTING
E 12	29+92.36 B	30.95' LT	917.45	426,411.97	856,999.20	EOP
E 13	29+97.87 B	31.14' LT	---	426,417.25	856,996.77	R=3'; FOC
E 14	29+92.37 B	26.03' LT	917.18	426,413.90	857,003.72	EOP
E 15	30+28.63 B	26.03' LT	918.00	426,449.27	856,989.97	EOP
E 16	30+69.76 B	94.00' LT	---	426,472.59	856,911.58	R=73'
E 17	30+31.61 B	34.65' LT	918.43	426,449.40	856,980.79	EOP; END RADIUS
E 18	30+12.03 B	62.35' LT	918.57	426,419.89	856,962.09	EOP; BEGIN RADIUS
E 19	30+19.22 B	93.80' LT	918.64	426,416.44	856,929.77	EOP; END OF RADIUS
E 20	30+05.58 B	61.74' LT	917.98	426,413.45	856,965.28	EOP; BEGIN RADIUS
E 21	30+34.21 B	47.16' RT	---	426,478.39	857,057.33	MATCH EXISTING
E 22	30+35.01 B	73.00' RT	---	426,487.39	857,081.56	MATCH EXISTING
E 23	32+57.51 B	23.76' RT	---	426,683.41	856,989.77	MATCH EXISTING
E 24	34+39.73 B	16.03' RT	---	426,862.63	856,980.14	MATCH EXISTING
E 25	29+87.39 B	52.30' LT	917.40	426,398.60	856,981.72	EOP; FLAG SLOPE TRANSITION
E 26	30+47.93 B	41.60' LT	917.30	426,463.78	856,968.73	EOP; LP
E 27	35+62.91 B	3.00' RT	---	426,986.16	856,970.98	MATCH EXISTING
E 28	29+58.14 B	75.46' LT	---	426,359.25	856,974.60	R=55'
E 29	30+00.86 B	47.58' LT	---	426,413.95	856,980.35	EOP; END RADIUS
E 30	29+94.37 B	75.00' LT	917.88	426,396.77	856,957.79	EOP; BEGINNING OF RADIUS
E 31	30+19.30 B	89.87' LT	918.62	426,417.89	856,933.42	EOP; PAVEMENT TYPE TRANSITION
E 32	30+22.83 B	29.74' LT	---	426,442.29	856,988.53	FOC





LEGEND

	CURB RAMP TYPE X		CURB RAMP DETECTABLE WARNING FIELD YELLOW
CS-5	CONCRETE SIDEWALK 5-INCH	18-(R)	CONCRETE CURB & GUTTER 18-INCH TYPE A (REJECT)
CCS-5	CONCRETE SIDEWALK 5-INCH, COLORING CONCRETE WISDOT RED	30-A	CONCRETE CURB & GUTTER 30-INCH TYPE A
CRTA-12	CONCRETE TRUCK APRON 12-INCH, COLORING CONCRETE WISDOT RED	30-D	CONCRETE CURB & GUTTER 30-INCH TYPE D
CONC-8	CONCRETE PAVEMENT 8-INCH (DOWELED)	36-R	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R
CD-6	CONCRETE DRIVEWAY 6-INCH	(A)	CONCRETE MEDIAN SLOPE NOSE (TYPE 1)
HMA-4	HMA PAVEMENT, 4-INCH 2" HMA PAVEMENT 4 MT 58-28 S (UPPER LAYER) 2" HMA PAVEMENT 4 MT 58-S8 S (LOWER LAYER)	(B)	CONCRETE MEDIAN SLOPE NOSE (TYPE 2)
		J	CONCRETE CURB TYPE J
HMA-5	HMA PAVEMENT, 5-INCH 2" HMA PAVEMENT 4 MT 58-28 S (UPPER LAYER) 3" HMA PAVEMENT 4 MT 58-28 S (LOWER LAYER)		PROPOSED INLET
			PROPOSED STORM SEWER MANHOLE
ASPH	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES		SAWING CONCRETE
BAD(S)	BASE AGGREGATE DENSE 3/4-INCH		SAWING ASPHALT
BAD	BASE AGGREGATE DENSE 1 1/4-INCH	(C)	ADJUSTING VALVE BOX
(GM)	GRASS MEDIAN	(D)	ADJUSTING SANITARY MANHOLE COVERS

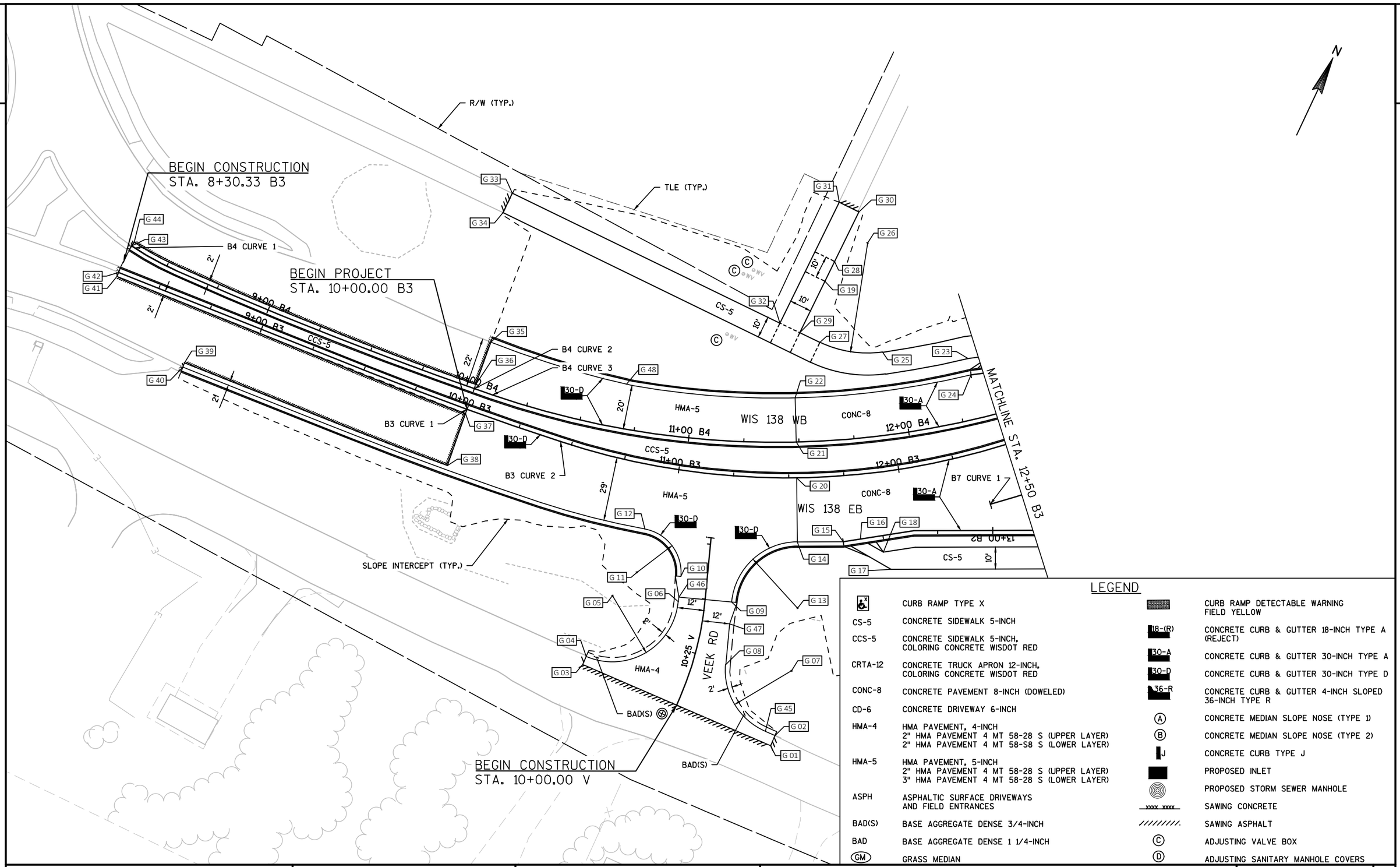
PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	PLAN DETAILS: HOEL AVENUE/ SILVERADO DRIVE	SHEET	E

2

STATION & OFFSET TABLE

POINT	STATION	OFFSET	ELEVATION	NORTHING	EASTING	REMARKS
F 01	10+00.00 A4	20.00' RT	---	425,476.80	858,209.24	EOP; MATCH EXISTING
F 02	10+00.07 A4	20.37' LT	---	425,475.76	858,168.88	EOP; MATCH EXISTING
F 03	10+07.93 A4	26.93' LT	---	425,484.17	858,162.21	FOS; DRIVEWAY
F 04	10+31.44 A4	27.85' LT	---	425,509.92	858,162.33	FOS; DRIVEWAY
F 05	11+23.08 A4	20.00' RT	907.81	425,595.89	858,221.66	PAVEMENT TYPE TRANSITION
F 06	11+23.08 A4	20.00' LT	907.81	425,601.18	858,182.01	END OF RADIUS; PAVEMENT TYPE TRANSITION
F 07	11+23.08 A4	47.00' LT	---	425,604.75	858,155.25	R=27'
F 08	11+31.69 A7	0.00'	902.13	426,015.94	858,264.04	EOP
F 09	11+31.37 A7	7.55' LT	902.27	426,017.29	858,271.47	EOP
F 10	11+37.96 A7	30.95' LT	---	426,013.26	858,295.57	FOS; DRIVEWAY
F 11	11+36.88 A7	41.72' LT	---	426,015.72	858,306.12	EDGE OF PAVEMENT
F 12	11+17.13 A7	42.37' LT	---	426,038.66	858,303.18	MATCH EXISTING
F 13	11+31.59 A7	46.08' LT	---	426,022.33	858,309.67	MATCH EXISTING
F 14	11+04.37 A7	24.50' RT	---	426,036.36	858,235.07	FOS; DRIVEWAY
F 15	11+06.36 A7	34.50' RT	---	426,032.18	858,225.83	MATCH EXISTING
F 16	10+77.60 A7	34.50' RT	---	426,054.71	858,218.25	MATCH EXISTING
F 17	10+76.51 A7	24.50' RT	---	426,059.45	858,227.11	FOS; DRIVEWAY
F 18	10+00.00 A7	25.45' RT	---	426,121.41	858,189.56	FOS
F 19	10+05.00 A7	24.50' RT	---	426,117.69	858,193.03	FOS
F 20	10+00.00 A7	17.00' RT	---	426,125.92	858,196.70	END OF CURB & GUTTER; MATCH EXISTING
F 21	10+00.00 A7	17.00' LT	---	426,144.07	858,225.45	END OF CURB & GUTTER; MATCH EXISTING
F 22	10+05.00 A7	24.50' LT	---	426,143.85	858,234.46	FOS
F 23	10+00.00 A7	25.57' LT	---	426,148.65	858,232.70	FOS
F 24	11+32.54 A7	41.20' LT	---	426,020.59	858,304.99	R=5'
F 25	10+74.93 A7	32.08' LT	---	426,083.27	858,278.46	MATCH EXISTING
F 26	10+80.00 A7	33.04' LT	---	426,078.20	858,281.62	MATCH EXISTING
F 27	10+23.12 A4	20.00' LT	---	425,500.41	858,169.56	EOP
F 28	11+15.18 A4	38.91' LT	---	425,595.85	858,162.22	MATCH EXISTING
F 29	11+14.55 A4	43.75' LT	---	425,595.87	858,157.34	MATCH EXISTING
F 30	11+25.26 A4	55.99' LT	---	425,608.10	858,146.63	MATCH EXISTING
F 31	11+29.56 A4	53.85' LT	---	425,612.09	858,149.31	MATCH EXISTING
F 32	11+15.30 A7	20.75' LT	---	426,036.38	858,281.58	EOP
F 33	11+24.34 A7	21.82' LT	---	426,026.74	858,284.47	PAVEMENT TYPE TRANSITION
F 34	11+25.92 A7	6.91' LT	---	426,022.73	858,270.02	PAVEMENT TYPE TRANSITION
F 35	11+26.59 A8	6.86' RT	---	426,021.67	858,263.19	PAVEMENT TYPE TRANSITION
F 36	11+24.39 A8	23.74' RT	---	426,019.04	858,246.39	PAVEMENT TYPE TRANSITION
F 37	11+37.98 A8	25.28' RT	---	426,006.63	858,248.06	EOP: BEGIN CURVE

2



LEGEND

	CURB RAMP TYPE X		CURB RAMP DETECTABLE WARNING FIELD YELLOW
CS-5	CONCRETE SIDEWALK 5-INCH	18-(R)	CONCRETE CURB & GUTTER 18-INCH TYPE A (REJECT)
CCS-5	CONCRETE SIDEWALK 5-INCH, COLORING CONCRETE WISDOT RED	30-A	CONCRETE CURB & GUTTER 30-INCH TYPE A
CRTA-12	CONCRETE TRUCK APRON 12-INCH, COLORING CONCRETE WISDOT RED	30-D	CONCRETE CURB & GUTTER 30-INCH TYPE D
CONC-8	CONCRETE PAVEMENT 8-INCH (DOWELED)	36-R	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R
CD-6	CONCRETE DRIVEWAY 6-INCH	(A)	CONCRETE MEDIAN SLOPE NOSE (TYPE 1)
HMA-4	HMA PAVEMENT, 4-INCH 2" HMA PAVEMENT 4 MT 58-28 S (UPPER LAYER) 2" HMA PAVEMENT 4 MT 58-S8 S (LOWER LAYER)	(B)	CONCRETE MEDIAN SLOPE NOSE (TYPE 2)
		J	CONCRETE CURB TYPE J
HMA-5	HMA PAVEMENT, 5-INCH 2" HMA PAVEMENT 4 MT 58-28 S (UPPER LAYER) 3" HMA PAVEMENT 4 MT 58-28 S (LOWER LAYER)		PROPOSED INLET
			PROPOSED STORM SEWER MANHOLE
ASPH	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	xxxx xxxx	SAWING CONCRETE
BAD(S)	BASE AGGREGATE DENSE 3/4-INCH		SAWING ASPHALT
BAD	BASE AGGREGATE DENSE 1 1/4-INCH	(C)	ADJUSTING VALVE BOX
(GM)	GRASS MEDIAN	(D)	ADJUSTING SANITARY MANHOLE COVERS

PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	PLAN DETAILS: WIS 138	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\021201_PD.DWG
LAYOUT NAME - 021207 (A)
PLOT DATE : 9/1/2020 10:16 AM PLOT BY : LYNCH, CHRIS PLOT NAME : PLOT SCALE : **********

STATION & OFFSET TABLE

POINT	STATION	OFFSET	ELEVATION	NORTHING	EASTING	REMARKS
G 01	10+00.00 V	46.36' RT	---	425,738.15	857,081.55	MATCH EXISTING
G 02	10+04.64 V	46.36' RT	---	425,743.14	857,081.36	MATCH EXISTING
G 03	10+00.00 V	46.36' LT	---	425,734.60	856,988.91	MATCH EXISTING
G 04	10+04.23 V	46.36' LT	---	425,738.59	856,988.76	END RADIUS; MATCH EXISTING
G 05	10+46.44 V	41.96' LT	---	425,768.57	856,987.61	R=30'
G 06	10+47.37 V	11.97' LT	913.68	425,778.95	857,015.76	EOP; BEGIN RADIUS
G 07	10+27.93 V	44.24' RT	---	425,772.94	857,075.52	R=30'
G 08	10+23.79 V	14.65' RT	912.49	425,762.56	857,047.38	EOP; END RADIUS
G 09	10+49.87 V	12.00' RT	912.62	425,789.28	857,037.52	EOP; BEGIN RADIUS; START CURB & GUTTER
G 10	10+59.19 V	12.00' LT	913.58	425,789.79	857,011.76	EOP; END RADIUS; END CURB & GUTTER
G 11	10+89.68 B3	49.00' RT	---	425,782.87	856,992.99	R=20'
G 12	10+89.68 B3	29.00' RT	913.97	425,802.17	856,987.76	EOP; BEGIN RADIUS
G 13	11+53.31 B3	59.02' RT	---	425,799.66	857,065.67	R=30'
G 14	11+53.57 B3	29.02' RT	911.80	425,826.70	857,052.67	EOP; END RADIUS; PAVEMENT TYPE TRANSITION
G 15	11+72.64 B3	29.83' RT	---	425,835.71	857,071.40	BIKE RAMP OPENING
G 16	11+79.88 B3	29.23' RT	---	425,840.20	857,077.92	BIKE RAMP OPENING
G 17	11+90.91 B3	44.35' RT	---	425,833.81	857,096.31	BOS
G 18	11+88.71 B3	36.24' RT	---	425,839.31	857,089.86	FOS
G 19	11+66.83 B4	72.16' LT	916.48	425,938.63	857,013.03	FOS; END LANDING
G 20	11+53.57 B3	0.00'	912.38	425,852.73	857,039.84	EOP; PAVEMENT TYPE TRANSITION
G 21	11+48.74 B4	0.00'	913.05	425,867.29	857,032.65	EOP; PAVEMENT TYPE TRANSITION
G 22	11+48.74 B4	20.00' LT	912.66	425,885.12	857,023.60	EOP; PAVEMENT TYPE TRANSITION
G 23	12+34.05 B4	27.50' LT	---	425,935.05	857,086.58	FOS
G 24	12+33.61 B4	20.00' LT	---	425,928.98	857,091.00	BIKE RAMP OPENING
G 25	11+93.16 B4	37.50' LT	911.92	425,920.89	857,050.44	BOS
G 26	11+93.16 B4	87.50' LT	---	425,962.66	857,022.96	R=50'
G 27	11+62.06 B4	44.69' LT	914.03	425,912.66	857,022.87	BOS
G 28	11+73.13 B4	80.77' LT	916.63	425,948.62	857,013.13	FOS; BEGIN LANDING
G 29	11+51.97 B4	49.46' LT	914.84	425,912.68	857,012.79	BOS
G 30	11+90.47 B4	101.93' LT	---	425,973.62	857,013.36	MATCH EXISTING
G 31	11+79.02 B4	107.32' LT	---	425,973.72	857,003.36	MATCH EXISTING
G 32	11+41.71 B4	53.98' LT	914.99	425,912.73	857,002.79	BOS
G 33	9+86.39 B4	89.27' LT	---	425,913.54	856,867.93	MATCH EXISTING
G 34	9+85.38 B4	79.53' LT	---	425,903.75	856,867.97	MATCH EXISTING
G 35	10+00.15 B4	22.38' LT	---	425,848.44	856,888.28	END CURB & GUTTER; MATCH EXISTING
G 36	10+00.01 B4	2.00' LT	---	425,828.17	856,890.39	MATCH EXISTING
G 37	10+00.03 B3	2.00' RT	---	425,814.32	856,891.91	MATCH EXISTING
G 38	10+00.31 B3	27.00' RT	---	425,789.48	856,894.66	MATCH EXISTING
G 39	8+73.28 B3	27.09' RT	---	425,780.04	856,767.12	MATCH EXISTING
G 40	8+73.28 B3	29.09' RT	---	425,778.04	856,767.26	END CURB & GUTTER; MATCH EXISTING
G 41	8+30.33 B3	2.00' RT	---	425,802.19	856,722.58	MATCH EXISTING
G 42	8+30.33 B3	0.00'	---	425,804.19	856,722.45	END CURB & GUTTER; MATCH EXISTING
G 43	8+31.61 B4	0.00'	---	425,817.53	856,722.66	END CURB & GUTTER; MATCH EXISTING
G 44	8+31.61 B4	2.00' LT	---	425,819.50	856,722.95	MATCH EXISTING
G 45	11+42.05 B3	115.00' RT	910.85	425,742.96	857,076.67	EOP; BEGIN RADIUS

STATION & OFFSET TABLE

POINT	STATION	OFFSET	ELEVATION	NORTHING	EASTING	REMARKS
G 46	10+49.72 V	12.00' LT	913.66	425,780.98	857,015.01	EOP: PAVEMENT TYPE TRANSITION
G 47	10+40.63 V	12.37' RT	---	425,779.90	857,040.98	EOP
G 48	10+67.77 B4	20.06' LT	---	425,857.65	856,951.96	EOP

B1 LINE

B1 CURVE 1	B1 CURVE 2	B1 CURVE 3
PI STA = 11+17.36 B1	PI STA = 12+33.37 B1	PI STA = 13+39.85 B1
Y = 425,995.92	Y = 425,971.19	Y = 426,143.94
X = 857,166.06	X = 857,385.73	X = 857,306.20
DELTA = 127°00'41"	DELTA = 121°08'25"	.....
D = 97°56'29"	D = 97°56'29"	.....
T = 117.36'	T = 103.69'	T = 86.48'
L = 129.68'	L = 123.69'	L = 114.20'
R = 58.50'	R = 58.50'	R = 58.50'
PC STA = 10+00.00 B1	PC STA = 11+29.68 B1	PC STA = 12+53.37 B1
Y = 426,081.14	Y = 425,982.79	Y = 426,065.38
X = 857,246.74	X = 857,282.68	X = 857,342.37
PT STA = 11+29.68 B1	PT STA = 12+53.37 B1	PT STA = 13+67.57 B1
Y = 425,982.79	Y = 426,065.38	Y = 426,081.14
X = 857,282.68	X = 857,342.37	X = 857,246.74
BK = S43°25'59.9"W	BK = S83°34'40.8"E	BK = N24°43'05.4"W
AH = S83°34'40.8"E	AH = N24°43'05.4"W	AH = S43°26'04.4"W

B2 LINE

B2 CURVE 1	B2 CURVE 2	
PI STA = 8+91.25 B2	PI STA = 10+80.02 B2	PI STA = 11+95.51 B2	PI STA = 13+68.25 B2
Y = 425,844.63	Y = 425,902.62	Y = 425,915.68	Y = 425,835.69
X = 857,521.18	X = 857,341.54	X = 857,226.26	X = 857,071.37
	DELTA = 11°25'25"	DELTA = 32°08'15"	
	D = 7°09'43"	D = 45°50'12"	
	T = 80.02'	T = 36.01'	
	L = 159.50'	L = 70.11'	
	R = 800.00'	R = 125.00'	
	PC STA = 10+00.00 B2	PC STA = 11+59.50 B2	
	Y = 425,878.04	Y = 425,911.63	
	X = 857,417.69	X = 857,262.04	
	PT STA = 11+59.50 B2	PT STA = 12+29.62 B2	
	Y = 425,911.63	Y = 425,900.08	
	X = 857,262.04	X = 857,193.81	
	BK = N72°06'36.8"W	BK = N83°32'01.3"W	
	AH = N83°32'01.3"W	AH = S64°19'43.5"W	

B3 LINE

	B3 CURVE 1	B3 CURVE 2	B3 CURVE 3
PI STA = 8+30.33 B3	PI STA = 9+98.74 B3	PI STA = 11+69.89 B3	PI STA = 13+34.53 B3
Y = 425,804.19	Y = 425,815.47	Y = 425,837.48	Y = 425,969.83
X = 856,722.45	X = 856,890.49	X = 857,060.24	X = 857,175.75
	DELTA = 3°32'46"	DELTA = 41°30'11"	DELTA = 41°41'17"
	D = 3°50'39"	D = 17°21'44"	D = 43°04'46"
	T = 46.14'	T = 125.04'	T = 50.64'
	L = 92.24'	L = 239.04'	L = 96.77'
	R = 1490.42'	R = 330.00'	R = 133.00'
	PC STA = 9+52.61 B3	PC STA = 10+44.85 B3	PC STA = 12+83.89 B3
	Y = 425,812.38	Y = 425,821.41	Y = 425,931.68
	X = 856,844.45	X = 856,936.24	X = 857,142.46
	PT STA = 10+44.85 B3	PT STA = 12+83.89 B3	PT STA = 13+80.66 B3
	Y = 425,821.41	Y = 425,931.68	Y = 425,976.18
	X = 856,936.24	X = 857,142.46	X = 857,225.99
	BK = N86°09'37.8"E	BK = N82°36'56.1"E	BK = N41°06'45.5"E
	AH = N82°36'51.9"E	AH = N41°06'45.5"E	AH = N82°48'02.2"E

B4 LINE

	B4 CURVE 2	B4 CURVE 3	
PI STA = 8+31.63 B4	PI STA = 9+31.87 B4	PI STA = 11+74.97 B4	PI STA = 13+79.72 B4
Y = 425,817.50	Y = 425,818.32	Y = 425,846.23	Y = 426,022.16
X = 856,722.66	X = 856,822.83	X = 857,064.42	X = 857,200.69
	DELTA = 4°59'52"	DELTA = 45°39'03"	
	D = 3°14'58"	D = 14°30'19"	
	T = 76.95'	T = 166.25'	
	L = 153.80'	L = 314.72'	
	R = 1763.28'	R = 395.00'	
	PC STA = 8+54.92 B4	PC STA = 10+08.72 B4	
	Y = 425,816.17	Y = 425,827.16	
	X = 856,745.91	X = 856,899.27	
	PT STA = 10+08.72 B4	PT STA = 13+23.44 B4	
	Y = 425,827.16	Y = 425,977.66	
	X = 856,899.27	X = 857,166.23	
	BK = N88°23'52.7"E	BK = N83°24'45.3"E	
	AH = N83°24'01.1"E	AH = N37°45'42.3"E	

B5 LINE

	B5 CURVE 1	B5 CURVE 2	B5 CURVE 3	B5 CURVE 4	
PI STA = 10+00.00 B5	PI STA = 10+97.38 B5	PI STA = 11+76.41 B5	PI STA = 12+00.13 B5	PI STA = 12+59.46 B5	PI STA = 13+53.27 B5
Y = 425,928.98	Y = 425,991.74	Y = 426,063.54	Y = 426,087.55	Y = 426,146.79	Y = 426,217.14
X = 857,091.00	X = 857,164.91	X = 857,200.80	X = 857,202.73	X = 857,206.24	X = 857,136.43
	DELTA = 19°20'27"	DELTA = 21°56'29"	DELTA = 1°13'48"	DELTA = 45°51'01"	
	D = 15°04'40"	D = 71°37'11"	D = 7°09'43"	D = 47°44'47"	
	T = 64.75'	T = 15.51'	T = 8.59'	T = 50.75'	
	L = 128.27'	L = 30.64'	L = 17.17'	L = 96.03'	
	R = 380.00'	R = 80.00'	R = 800.00'	R = 120.00'	
	PC STA = 10+32.63 B5	PC STA = 11+60.90 B5	PC STA = 11+91.54 B5	PC STA = 12+08.71 B5	
	Y = 425,946.68	Y = 426,049.66	Y = 426,078.99	Y = 426,096.12	
	X = 857,118.41	X = 857,193.86	X = 857,202.04	X = 857,203.24	
	PT STA = 11+60.90 B5	PT STA = 11+91.54 B5	PT STA = 12+08.71 B5	PT STA = 13+04.74 B5	
	Y = 426,049.66	Y = 426,078.99	Y = 426,096.12	Y = 426,184.23	
	X = 857,193.86	X = 857,202.04	X = 857,203.24	X = 857,171.97	
	BK = N45°53'50.3"E	BK = N26°33'22.8"E	BK = N04°36'53.6"E	BK = N03°23'05.9"E	
	AH = N26°33'22.8"E	AH = N04°36'53.9"E	AH = N03°23'05.9"E	AH = N42°27'54.9"W	

B6 LINE

B6 CURVE 1	B6 CURVE 2	B6 CURVE 3	B6 CURVE 4	
PI STA = 10+70.18 B6	PI STA = 11+52.06 B6	PI STA = 12+12.00 B6	PI STA = 12+84.23 B6	PI STA = 13+65.48 B6
Y = 425,951.20	Y = 426,040.99	Y = 426,098.82	Y = 426,138.96	Y = 426,198.92
X = 857,413.65	X = 857,383.03	X = 857,367.21	X = 857,303.26	X = 857,248.94
DELTA = 59°49'15"	DELTA = 3°32'05"	DELTA = 42°35'14"	DELTA = 9°12'03"	
D = 46°57'50"	D = 7°09'43"	D = 63°18'37"	D = 11°27'33"	
T = 70.18'	T = 24.68'	T = 35.27'	T = 40.23'	
L = 127.38'	L = 49.35'	L = 67.27'	L = 80.29'	
R = 122.00'	R = 800.00'	R = 90.50'	R = 500.00'	
PC STA = 10+00.00 B6	PC STA = 11+27.38 B6	PC STA = 11+76.73 B6	PC STA = 12+44.00 B6	
Y = 425,937.39	Y = 426,017.62	Y = 426,064.80	Y = 426,117.57	
X = 857,482.46	X = 857,391.00	X = 857,376.52	X = 857,337.34	
PT STA = 11+27.38 B6	PT STA = 11+76.73 B6	PT STA = 12+44.00 B6	PT STA = 13+24.29 B6	
Y = 426,017.62	Y = 426,064.80	Y = 426,117.57	Y = 426,165.53	
X = 857,391.00	X = 857,376.52	X = 857,337.34	X = 857,273.05	
BK = N78°39'03.4"W	BK = N18°49'48.3"W	BK = N15°17'43.5"W	BK = N57°52'58.0"W	
AH = N18°49'48.3"W	AH = N15°17'43.5"W	AH = N57°52'58.0"W	AH = N48°40'54.6"W	

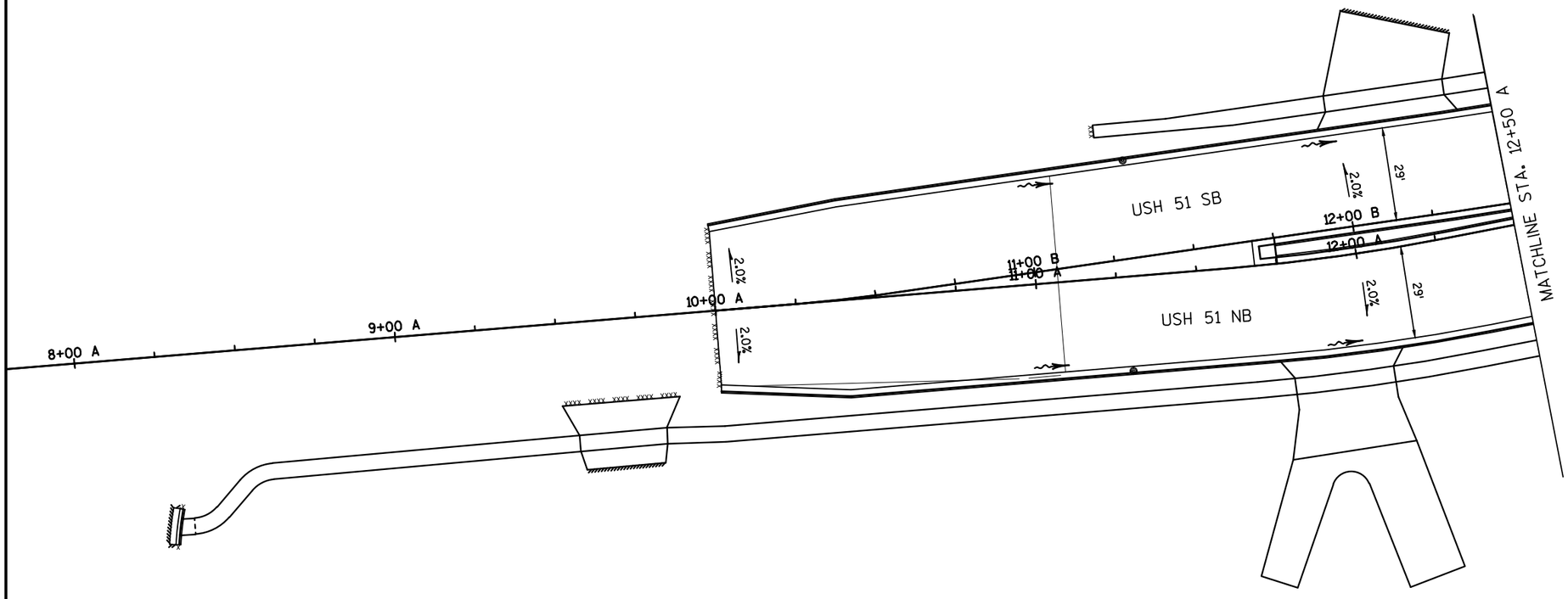
B7 LINE

B7 CURVE 1	B7 CURVE 2	B7 CURVE 3	B7 CURVE 4	B7 CURVE 5	B7 CURVE 6	B7 CURVE 7	B7 CURVE 8
PI STA = 10+18.16 B7	PI STA = 10+39.35 B7	PI STA = 10+90.07 B7	PI STA = 11+49.32 B7	PI STA = 11+76.06 B7	PI STA = 12+29.14 B7	PI STA = 12+73.95 B7	PI STA = 13+06.19 B7
Y = 425,891.70	Y = 425,907.06	Y = 425,944.45	Y = 425,949.09	Y = 425,950.22	Y = 425,934.00	Y = 425,915.87	Y = 425,902.76
X = 857,137.99	X = 857,152.63	X = 857,186.90	X = 857,250.57	X = 857,277.29	X = 857,328.06	X = 857,369.13	X = 857,398.58
DELTA = 5°51'56"	DELTA = 2°14'50"	DELTA = 43°17'42"	DELTA = 1°54'09"	DELTA = 20°29'39"	DELTA = 6°06'13"	DELTA = 2°04'16"	DELTA = 2°15'29"
D = 16°09'51"	D = 36°43'55"	D = 47°42'41"	D = 5°52'59"	D = 97°55'50"	D = 7°09'01"	D = 47°32'48"	D = 3°45'25"
T = 18.16'	T = 3.06'	T = 47.66'	T = 16.17'	T = 10.58'	T = 42.72'	T = 2.18'	T = 30.06'
L = 36.29'	L = 6.12'	L = 90.74'	L = 32.34'	L = 20.93'	L = 85.36'	L = 4.36'	L = 60.10'
R = 354.46'	R = 155.98'	R = 120.09'	R = 973.91'	R = 58.51'	R = 801.30'	R = 120.50'	R = 1525.02'
PC STA = 10+00.00 B7	PC STA = 10+36.29 B7	PC STA = 10+42.41 B7	PC STA = 11+33.15 B7	PC STA = 11+65.49 B7	PC STA = 11+86.42 B7	PC STA = 12+71.78 B7	PC STA = 12+76.13 B7
Y = 425,879.88	Y = 425,904.87	Y = 425,909.34	Y = 425,947.90	Y = 425,949.74	Y = 425,946.96	Y = 425,916.79	Y = 425,915.02
X = 857,124.20	X = 857,150.49	X = 857,154.67	X = 857,234.44	X = 857,266.72	X = 857,287.35	X = 857,367.16	X = 857,371.14
PT STA = 10+36.29 B7	PT STA = 10+42.41 B7	PT STA = 11+33.15 B7	PT STA = 11+65.49 B7	PT STA = 11+86.42 B7	PT STA = 12+71.78 B7	PT STA = 12+76.13 B7	PT STA = 13+36.23 B7
Y = 425,904.87	Y = 425,909.34	Y = 425,947.90	Y = 425,949.74	Y = 425,946.96	Y = 425,916.79	Y = 425,915.02	Y = 425,891.58
X = 857,150.49	X = 857,154.67	X = 857,234.44	X = 857,266.72	X = 857,287.35	X = 857,367.16	X = 857,371.14	X = 857,426.48
BK = N49°23'49.5"E	BK = N44°09'15.6"E	BK = N42°33'13.8"E	BK = N85°46'52.4"E	BK = N87°25'16.3"E	BK = S72°20'14.4"E	BK = S65°02'14.3"E	BK = S65°55'02.9"E
AH = N43°31'53.1"E	AH = N41°54'25.8"E	AH = N85°50'55.9"E	AH = N87°41'01.5"E	AH = S72°05'04.4"E	AH = S66°14'01.5"E	AH = S67°06'30.1"E	AH = S68°10'32.0"E

2

LEGEND

- CURB RAMP DETECTABLE WARNING FIELD YELLOW
- PROPOSED INLET
- PROPOSED STORM SEWER MANHOLE
- SAWING CONCRETE
- SAWING ASPHALT
- 904.33 PROPOSED ELEVATION
- FLOW ARROW
- REVERSE SLOPE GUTTER



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PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	PAVING GRADES	SHEET	E

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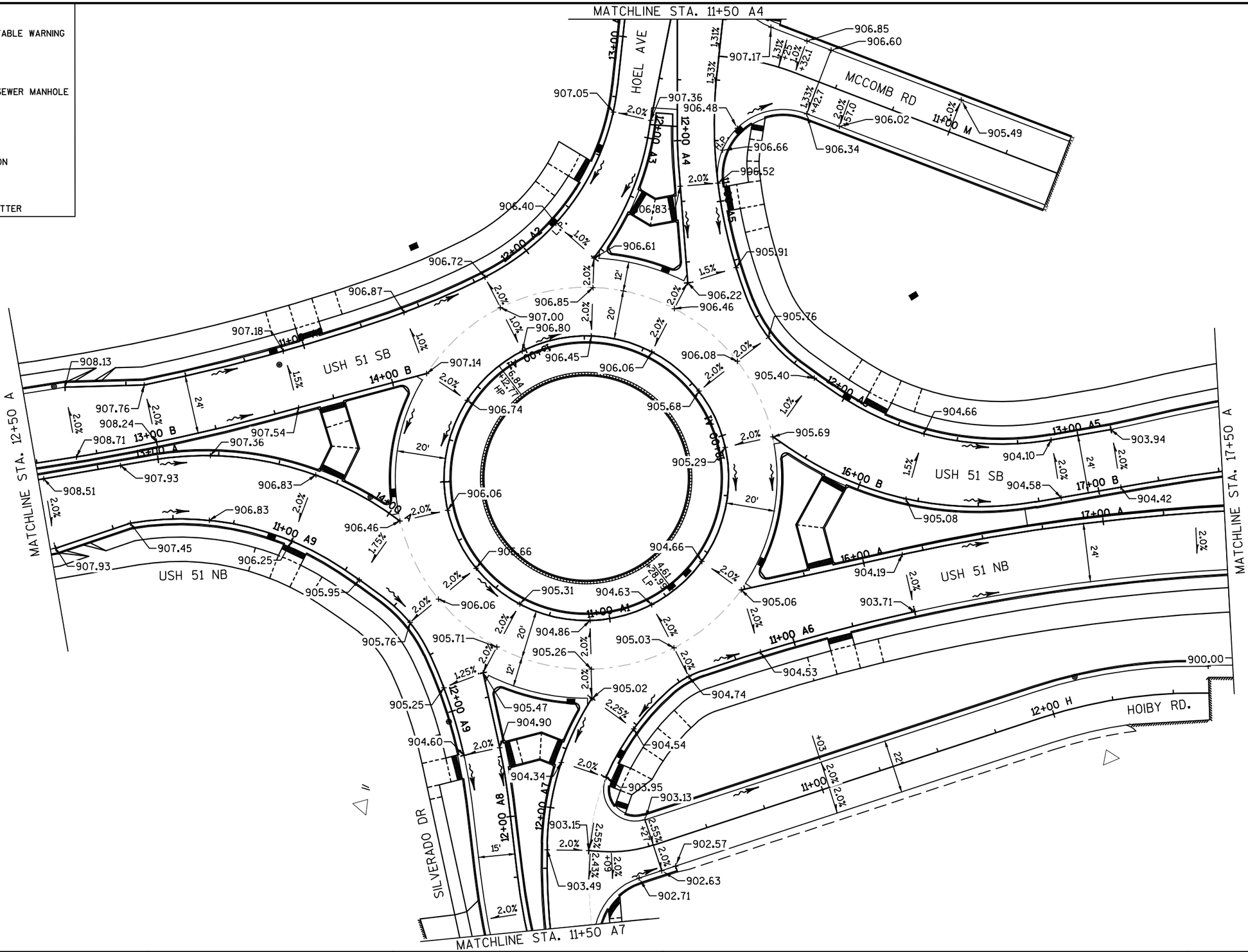
LAYOUT NAME - 021201_PG
PLOT DATE : 9/1/2020 10:35 AM PLOT BY : LYNCH, CHRIS PLOT NAME : PLOT SCALE : ******
WISDOT/CADDS SHEET 44

2

LEGEND

- CURB RAMP DETECTABLE WARNING FIELD YELLOW
- PROPOSED INLET
- PROPOSED STORM SEWER MANHOLE
- SAWING CONCRETE
- SAWING ASPHALT
- 904.33 PROPOSED ELEVATION
- FLOW ARROW
- REVERSE SLOPE GUTTER



PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	PAVING GRADES	SHEET	E

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LAYOUT NAME - 021202_PG
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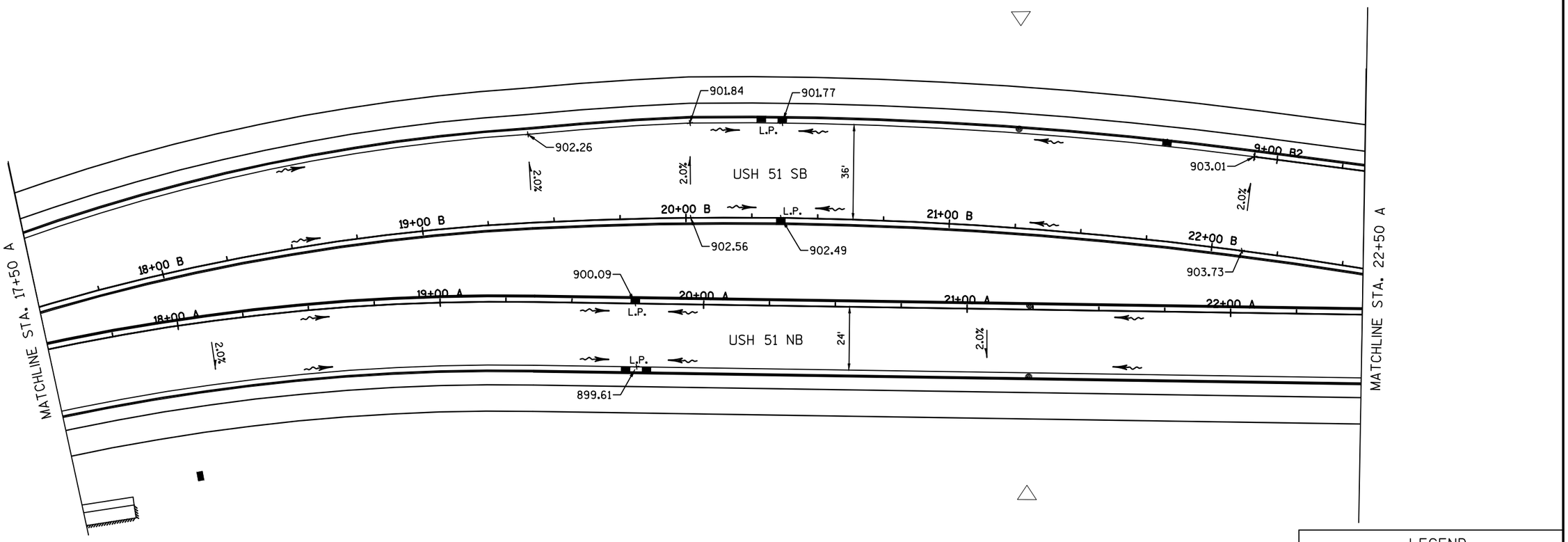
WISDOT/CADDS SHEET 44

2



LEGEND

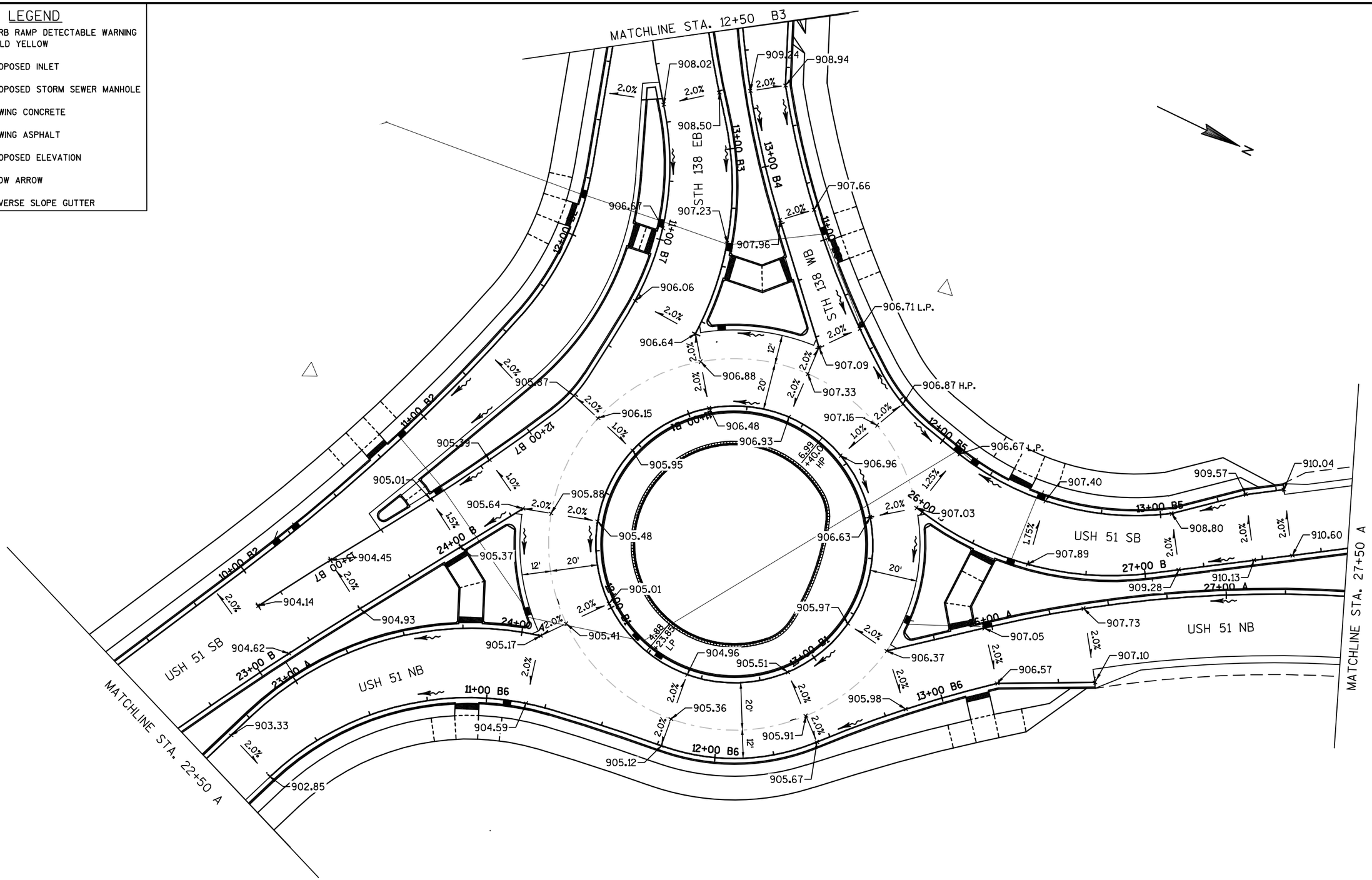
- CURB RAMP DETECTABLE WARNING FIELD YELLOW
- PROPOSED INLET
- PROPOSED STORM SEWER MANHOLE
- xxxx xxxx SAWING CONCRETE
- SAWING ASPHALT
- 904.33 PROPOSED ELEVATION
- FLOW ARROW
- REVERSE SLOPE GUTTER

PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	PAVING GRADES	SHEET	E

2

LEGEND

- CURB RAMP DETECTABLE WARNING FIELD YELLOW
- PROPOSED INLET
- PROPOSED STORM SEWER MANHOLE
- SAWING CONCRETE
- SAWING ASPHALT
- 904.33 PROPOSED ELEVATION
- FLOW ARROW
- REVERSE SLOPE GUTTER

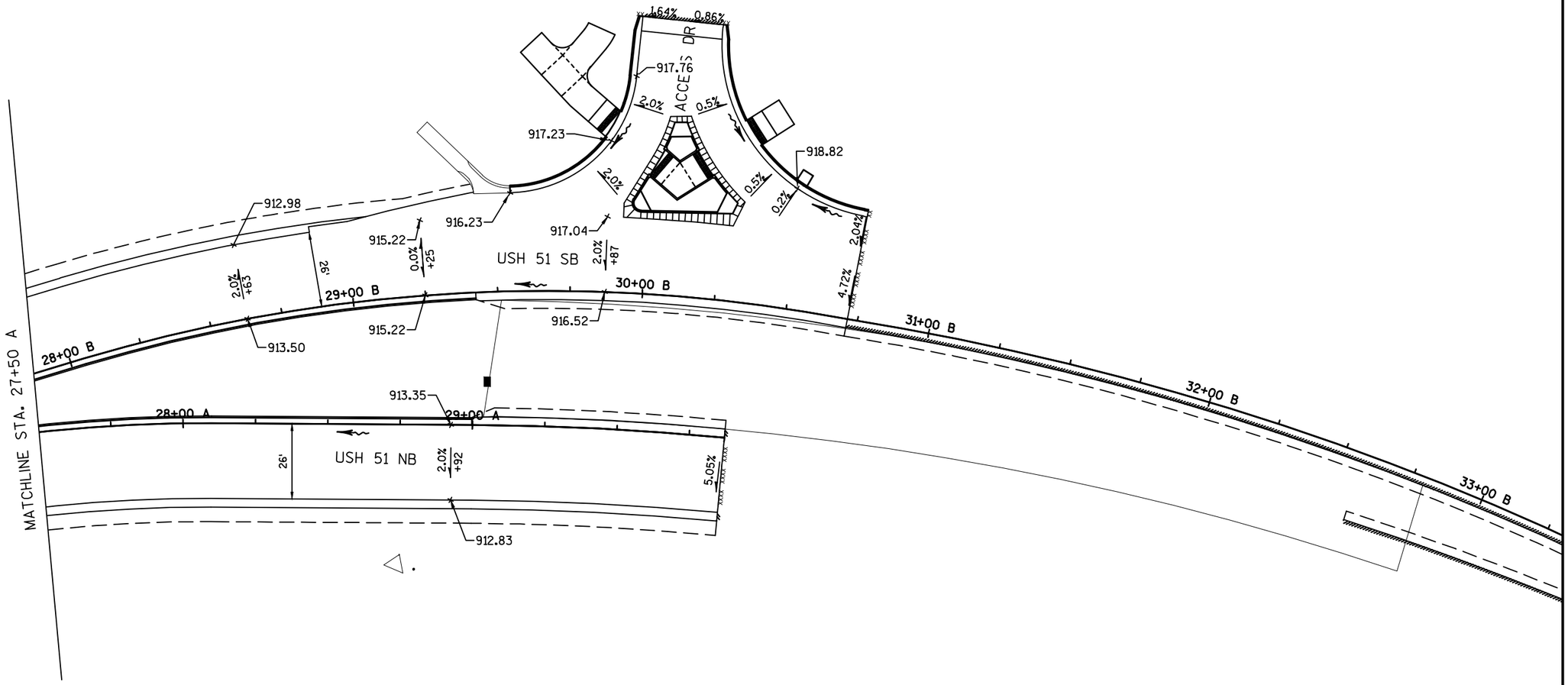


PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	PAVING GRADES	SHEET	E

2

LEGEND

- CURB RAMP DETECTABLE WARNING FIELD YELLOW
- PROPOSED INLET
- PROPOSED STORM SEWER MANHOLE
- SAWING CONCRETE
- SAWING ASPHALT
- 904.33 — PROPOSED ELEVATION
- FLOW ARROW
- REVERSE SLOPE GUTTER



PROJECT NO:5845-01-76	HWY:USH 51	COUNTY:DANE	PAVING GRADES	SHEET	E

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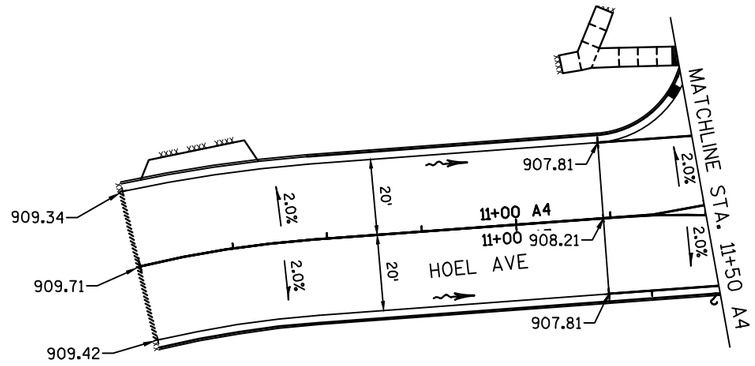

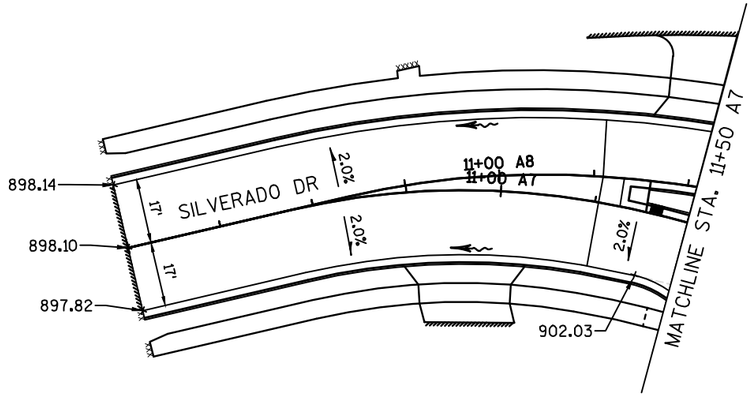

LEGEND

- CURB RAMP DETECTABLE WARNING FIELD YELLOW
- PROPOSED INLET
- PROPOSED STORM SEWER MANHOLE
- SAWING CONCRETE
- SAWING ASPHALT
- 904.33 PROPOSED ELEVATION
- FLOW ARROW
- REVERSE SLOPE GUTTER

PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	PAVING GRADES	SHEET	E

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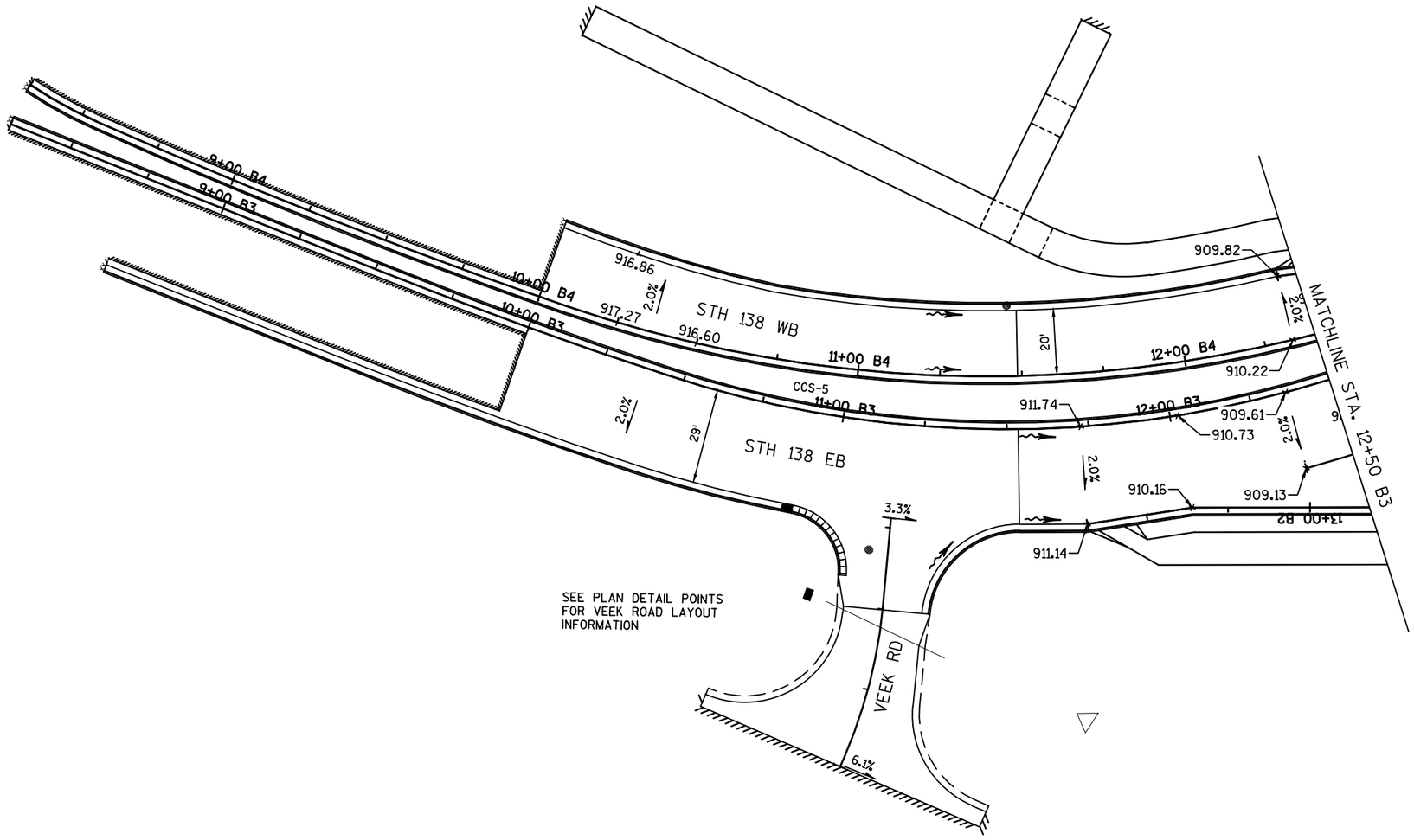
LAYOUT NAME - 021206_PG
PLOT DATE : 9/1/2020 10:35 AM PLOT BY : LYNCH, CHRIS PLOT NAME : PLOT SCALE : **********

2

LEGEND

- CURB RAMP DETECTABLE WARNING FIELD YELLOW
- PROPOSED INLET
- PROPOSED STORM SEWER MANHOLE
- SAWING CONCRETE
- SAWING ASPHALT
- 904.33 PROPOSED ELEVATION
- FLOW ARROW
- REVERSE SLOPE GUTTER



PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	PAVING GRADES	SHEET	E

2

TOP SOIL, SOD LAWN, AND FERTILIZER TYPE B

TOPSOIL, SEEDING MIXTURE NO. 30, FERTILIZER TYPE B, AND EROSION MAT URBAN CLASS I TYPE A

INLET PROTECTION (TYPE)

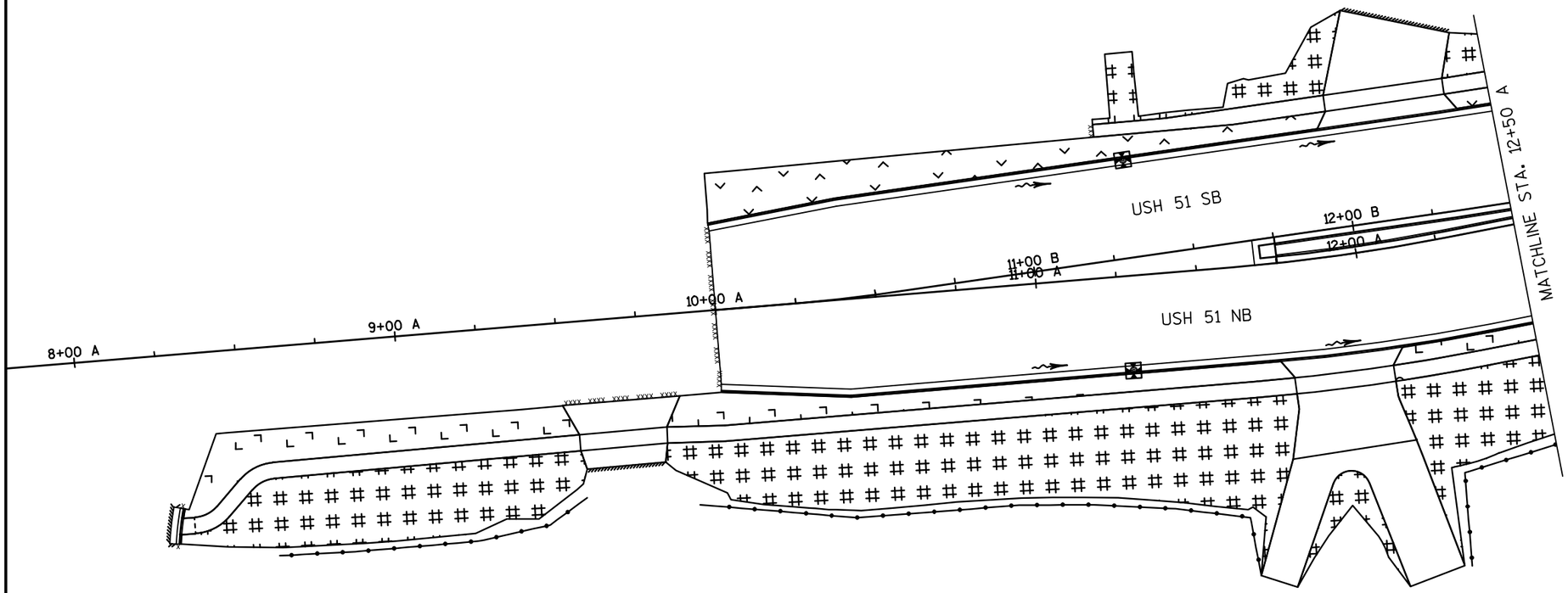
SILT FENCE

TEMPORARY DITCH CHECKS

CULVERT PIPE CHECKS

SURFACE WATER FLOW

NOTE: FOR LOCATIONS SHOWN WITH MULTIPLE INLET PROTECTION TYPES,
INSTALL INLET PROTECTION TYPE A AFTER PROPOSED STRUCTURE HAS BEEN PLACED,
THEN PLACE INLET PROTECTION TYPE C OR D ONCE CURB AND GUTTER IS INSTALLED.



PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	EROSION CONTROL	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\022101_EC.DWG
LAYOUT NAME - 022101

PLOT DATE : 9/1/2020 10:40 AM PLOT BY : LYNCH, CHRIS PLOT NAME : PLOT SCALE : ##########

TOP SOIL, SOD LAWN, AND FERTILIZER TYPE B

TOPSOIL, SEEDING MIXTURE NO. 30, FERTILIZER TYPE B, AND EROSION MAT URBAN CLASS I TYPE A

INLET PROTECTION (TYPE)

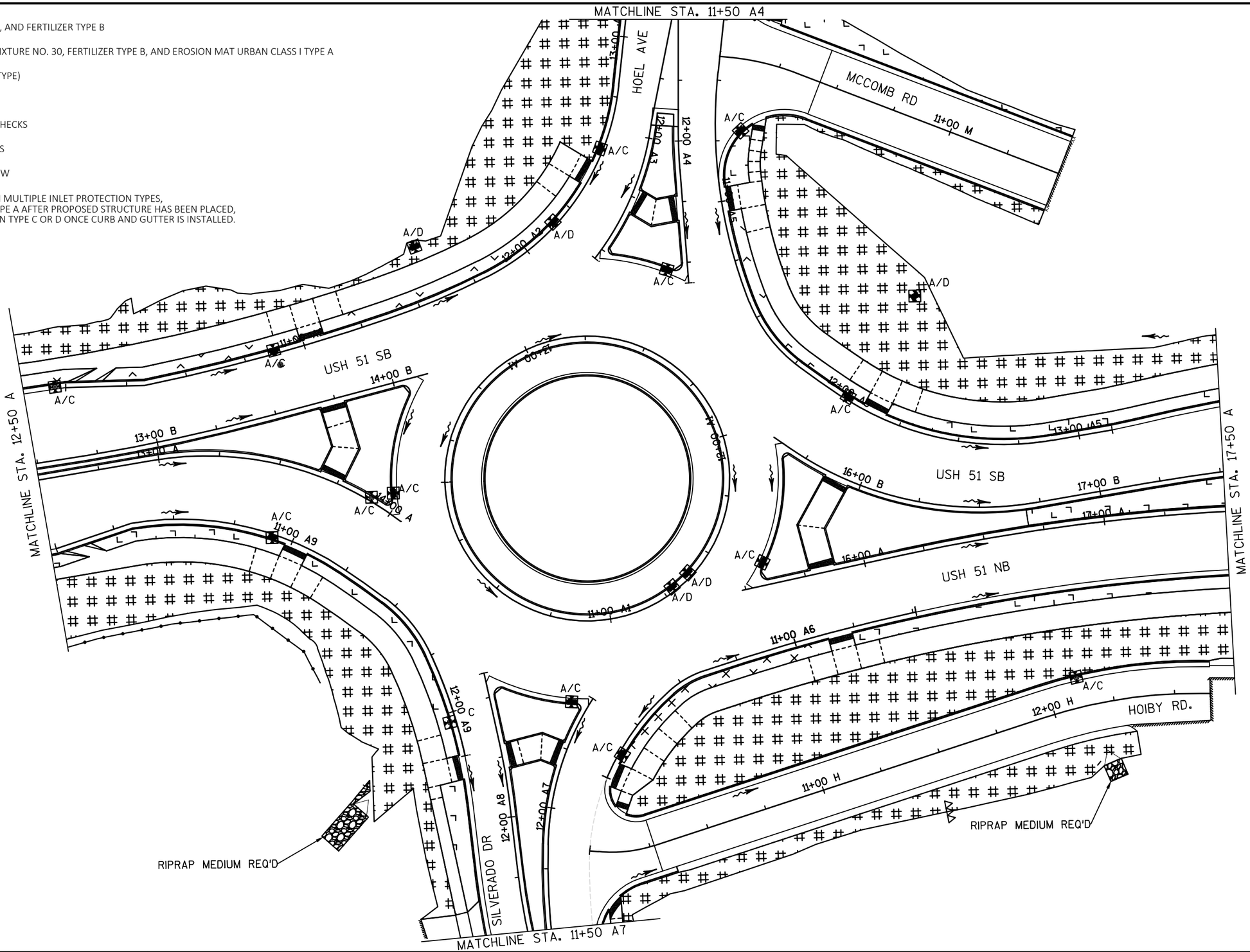
SILT FENCE

TEMPORARY DITCH CHECKS

CULVERT PIPE CHECKS

SURFACE WATER FLOW

NOTE: FOR LOCATIONS SHOWN WITH MULTIPLE INLET PROTECTION TYPES,
INSTALL INLET PROTECTION TYPE A AFTER PROPOSED STRUCTURE HAS BEEN PLACED,
THEN PLACE INLET PROTECTION TYPE C OR D ONCE CURB AND GUTTER IS INSTALLED.



PROJECT NO:5845-01-76	HWY: USH 51	COUNTY: DANE	EROSION CONTROL	SHEET	E

2

TOP SOIL, SOD LAWN, AND FERTILIZER TYPE B

TOPSOIL, SEEDING MIXTURE NO. 30, FERTILIZER TYPE B, AND EROSION MAT URBAN CLASS I TYPE A

INLET PROTECTION (TYPE)

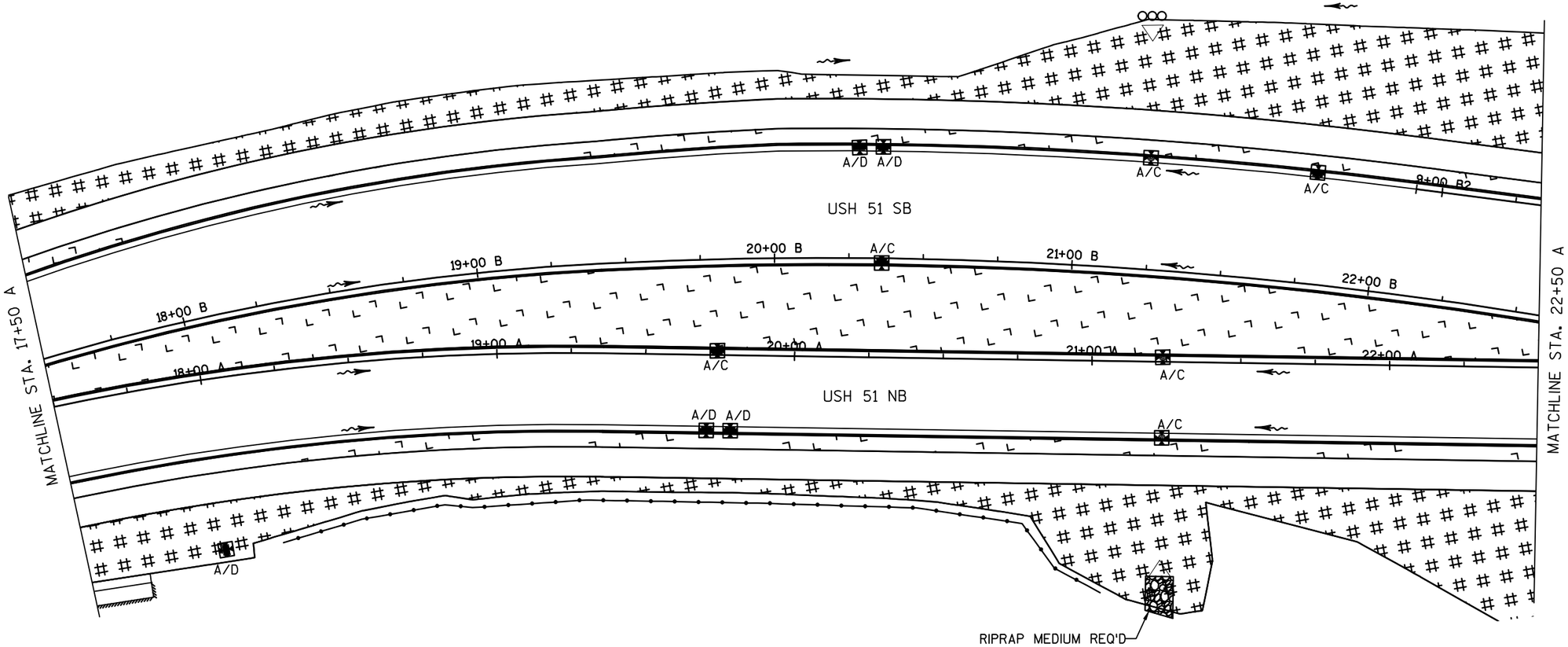
SILT FENCE

TEMPORARY DITCH CHECKS

CULVERT PIPE CHECKS

SURFACE WATER FLOW

NOTE: FOR LOCATIONS SHOWN WITH MULTIPLE INLET PROTECTION TYPES,
INSTALL INLET PROTECTION TYPE A AFTER PROPOSED STRUCTURE HAS BEEN PLACED,
THEN PLACE INLET PROTECTION TYPE C OR D ONCE CURB AND GUTTER IS INSTALLED.



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PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	EROSION CONTROL	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\022101_EC.DWG
LAYOUT NAME - 022101_EC - 022103

PLOT DATE : 9/1/2020 10:40 AM PLOT BY : LYNCH, CHRIS PLOT NAME : PLOT SCALE : ******

2

TOP SOIL, SOD LAWN, AND FERTILIZER TYPE B

TOPSOIL, SEEDING MIXTURE NO. 30, FERTILIZER TYPE B, AND EROSION MAT URBAN CLASS I TYPE A

INLET PROTECTION (TYPE)

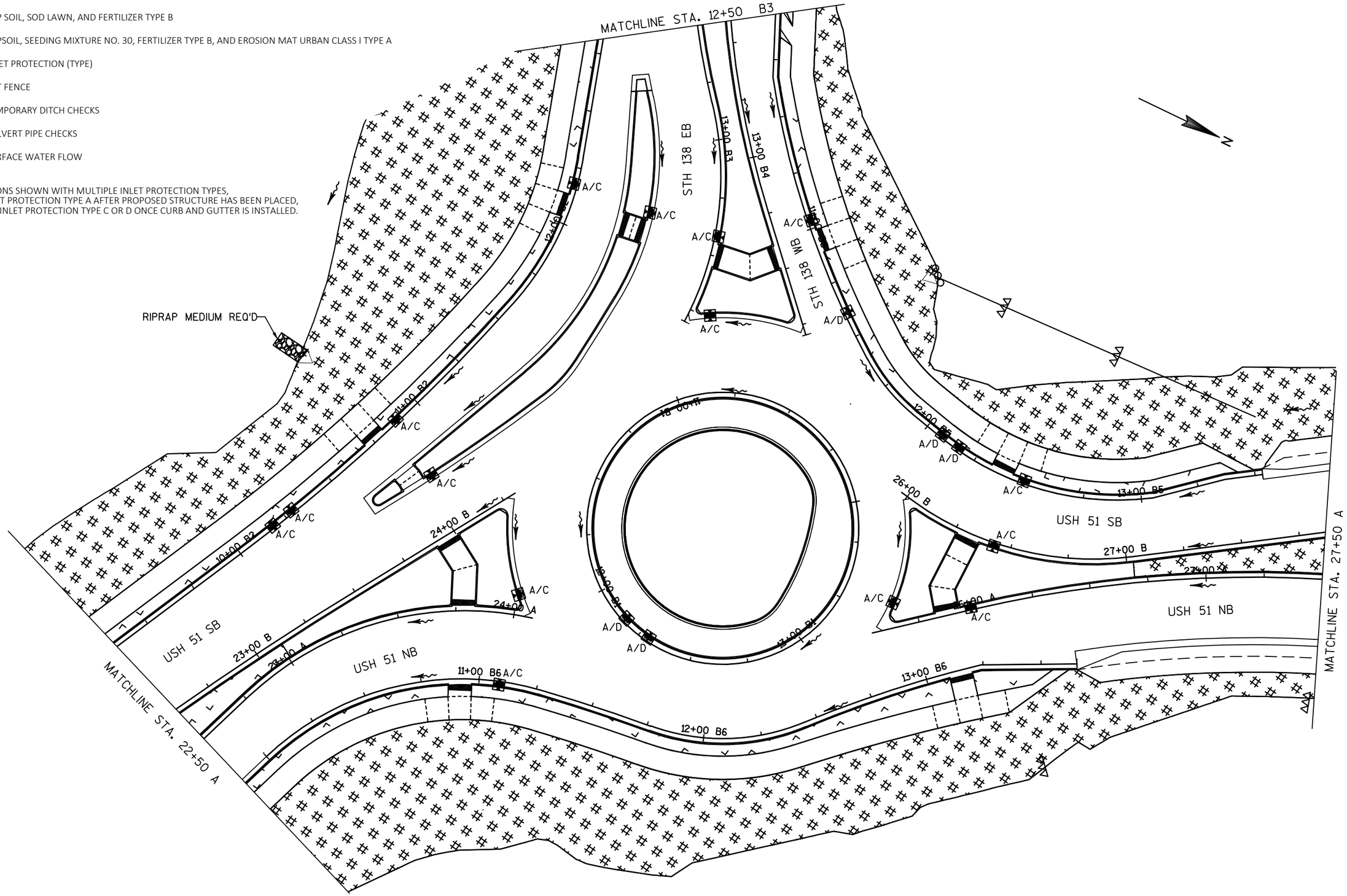
SILT FENCE

TEMPORARY DITCH CHECKS

CULVERT PIPE CHECKS

SURFACE WATER FLOW

NOTE: FOR LOCATIONS SHOWN WITH MULTIPLE INLET PROTECTION TYPES, INSTALL INLET PROTECTION TYPE A AFTER PROPOSED STRUCTURE HAS BEEN PLACED, THEN PLACE INLET PROTECTION TYPE C OR D ONCE CURB AND GUTTER IS INSTALLED.



PROJECT NO:5845-01-76	HWY:USH 51	COUNTY:DANE	EROSION CONTROL	SHEET	E

TOP SOIL, SOD LAWN, AND FERTILIZER TYPE B

TOPSOIL, SEEDING MIXTURE NO. 30, FERTILIZER TYPE B, AND EROSION MAT URBAN CLASS I TYPE A

INLET PROTECTION (TYPE)

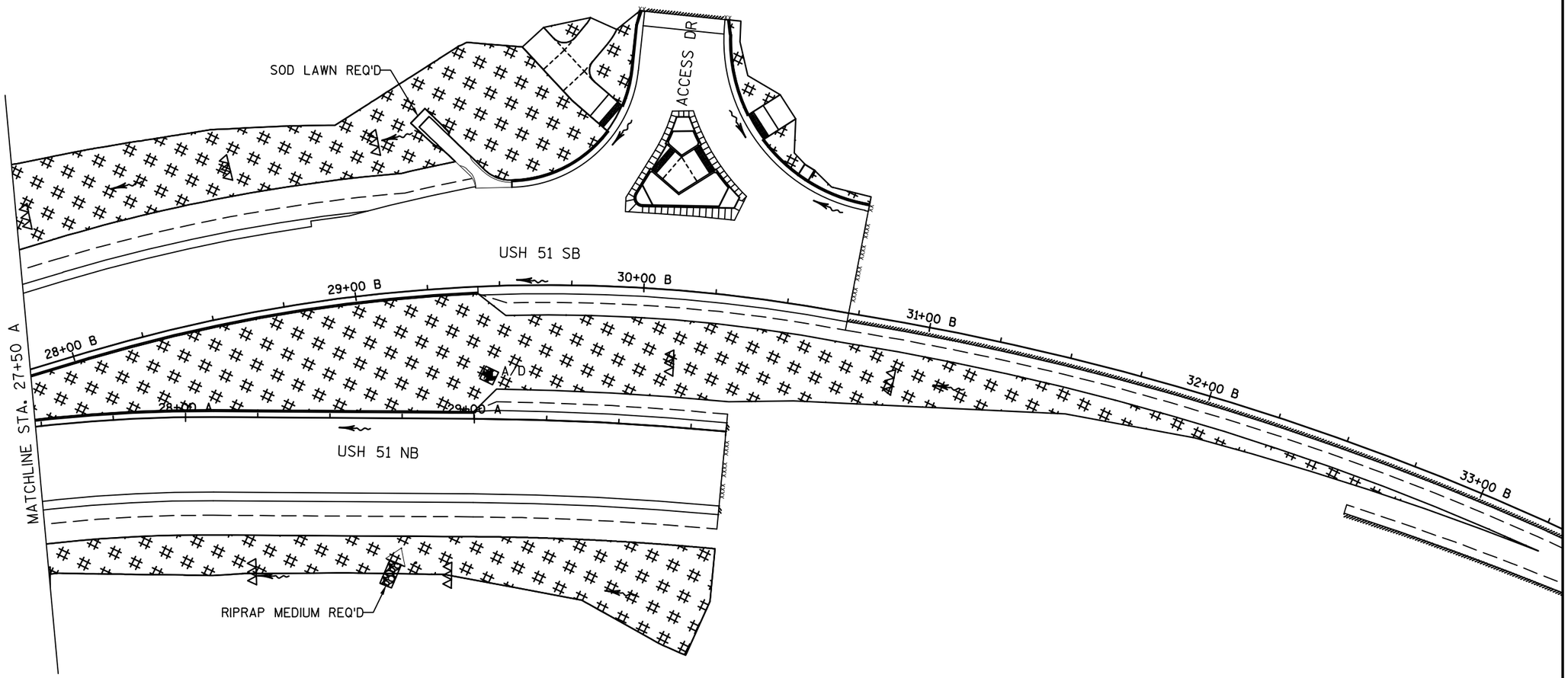
SILT FENCE

TEMPORARY DITCH CHECKS

CULVERT PIPE CHECKS

SURFACE WATER FLOW

NOTE: FOR LOCATIONS SHOWN WITH MULTIPLE INLET PROTECTION TYPES,
INSTALL INLET PROTECTION TYPE A AFTER PROPOSED STRUCTURE HAS BEEN PLACED,
THEN PLACE INLET PROTECTION TYPE C OR D ONCE CURB AND GUTTER IS INSTALLED.



2

PROJECT NO:5845-01-76	HWY: USH 51	COUNTY: DANE	EROSION CONTROL	SHEET	E

2

TOP SOIL, SOD LAWN, AND FERTILIZER TYPE B

TOPSOIL, SEEDING MIXTURE NO. 30, FERTILIZER TYPE B, AND EROSION MAT URBAN CLASS I TYPE A

INLET PROTECTION (TYPE)

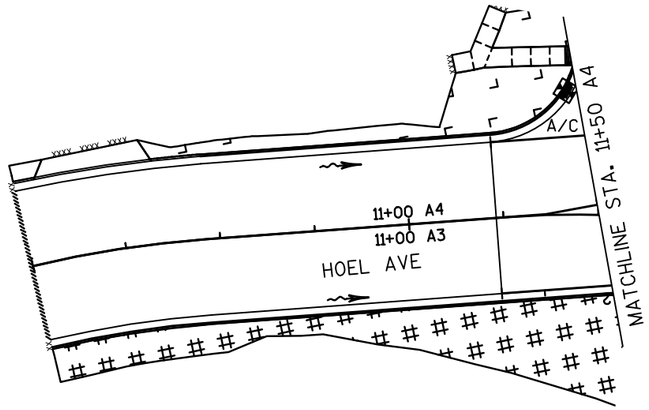
SILT FENCE

TEMPORARY DITCH CHECKS

CULVERT PIPE CHECKS

SURFACE WATER FLOW

NOTE: FOR LOCATIONS SHOWN WITH MULTIPLE INLET PROTECTION TYPES,
INSTALL INLET PROTECTION TYPE A AFTER PROPOSED STRUCTURE HAS BEEN PLACED,
THEN PLACE INLET PROTECTION TYPE C OR D ONCE CURB AND GUTTER IS INSTALLED.



2

TOP SOIL, SOD LAWN, AND FERTILIZER TYPE B

TOPSOIL, SEEDING MIXTURE NO. 30, FERTILIZER TYPE B, AND EROSION MAT URBAN CLASS I TYPE A

INLET PROTECTION (TYPE)

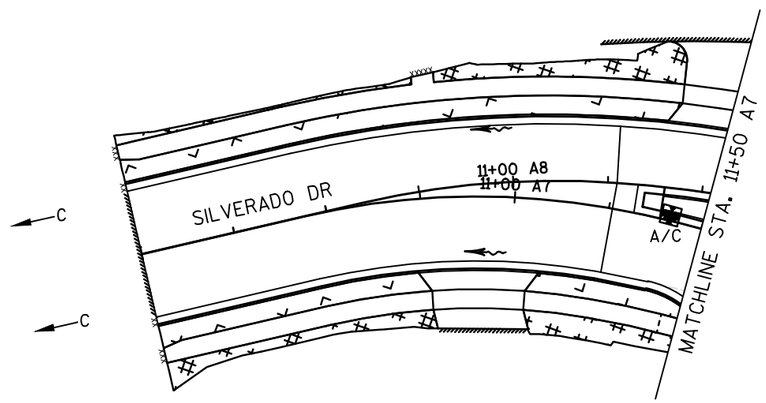
SILT FENCE

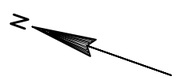
TEMPORARY DITCH CHECKS

CULVERT PIPE CHECKS

SURFACE WATER FLOW

NOTE: FOR LOCATIONS SHOWN WITH MULTIPLE INLET PROTECTION TYPES,
INSTALL INLET PROTECTION TYPE A AFTER PROPOSED STRUCTURE HAS BEEN PLACED,
THEN PLACE INLET PROTECTION TYPE C OR D ONCE CURB AND GUTTER IS INSTALLED.





PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	EROSION CONTROL	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\022101_EC.DWG
LAYOUT NAME - 022101_EC - 022106

PLOT DATE : 9/1/2020 10:40 AM PLOT BY : LYNCH, CHRIS PLOT NAME : PLOT SCALE : **********

2

TOP SOIL, SOD LAWN, AND FERTILIZER TYPE B

TOPSOIL, SEEDING MIXTURE NO. 30, FERTILIZER TYPE B, AND EROSION MAT URBAN CLASS I TYPE A

INLET PROTECTION (TYPE)

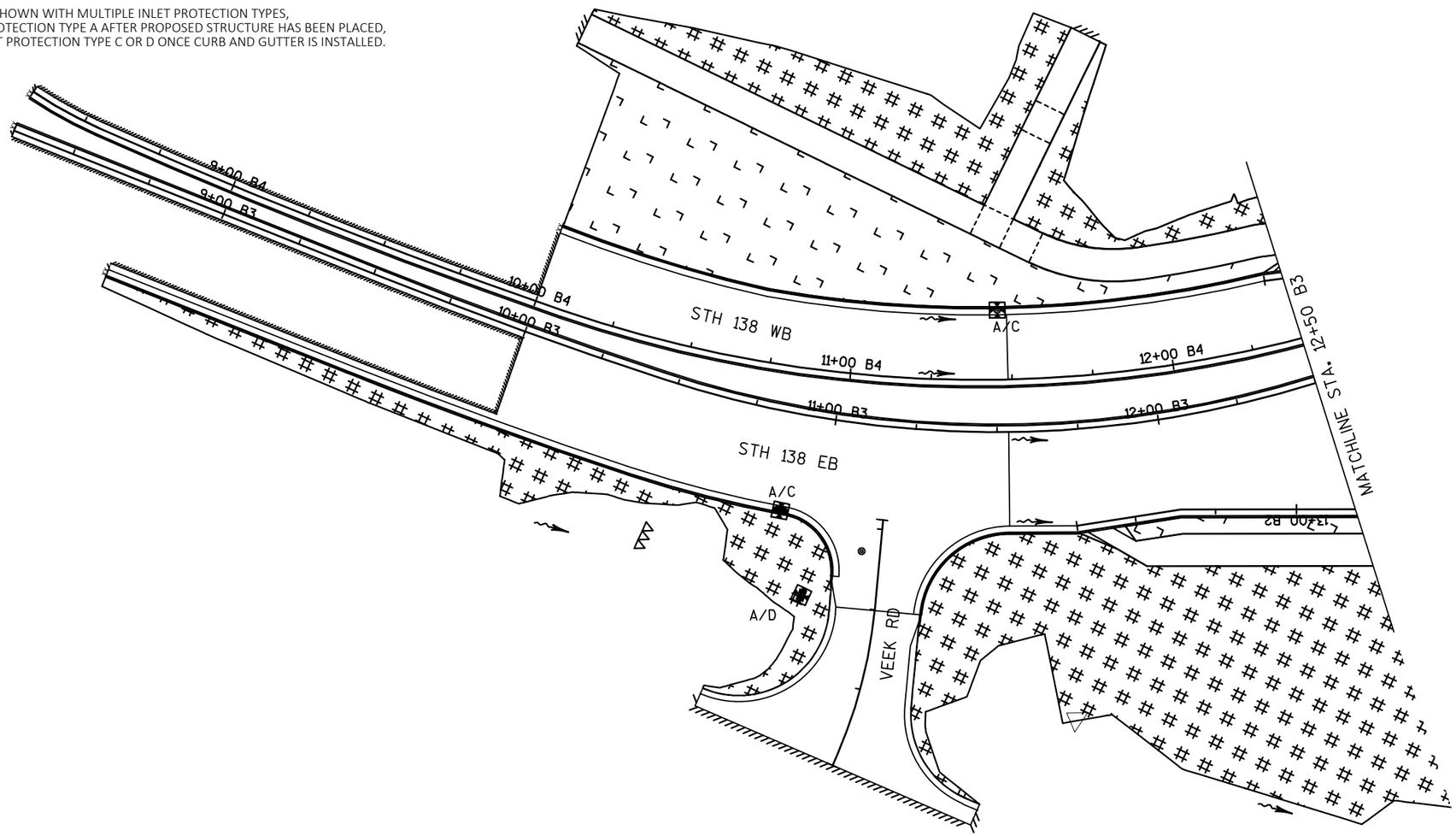
SILT FENCE

TEMPORARY DITCH CHECKS

CULVERT PIPE CHECKS

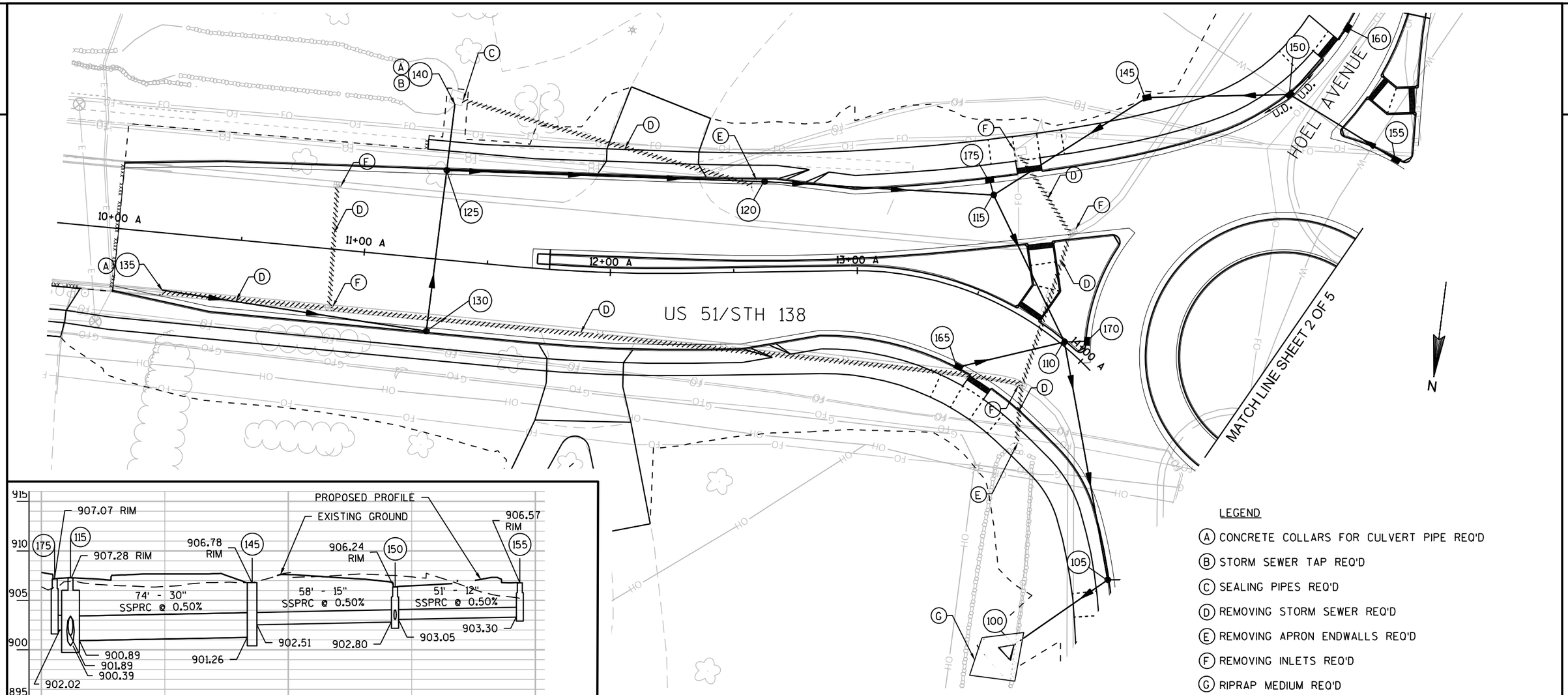
SURFACE WATER FLOW

NOTE: FOR LOCATIONS SHOWN WITH MULTIPLE INLET PROTECTION TYPES,
INSTALL INLET PROTECTION TYPE A AFTER PROPOSED STRUCTURE HAS BEEN PLACED,
THEN PLACE INLET PROTECTION TYPE C OR D ONCE CURB AND GUTTER IS INSTALLED.



PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	EROSION CONTROL	SHEET	E

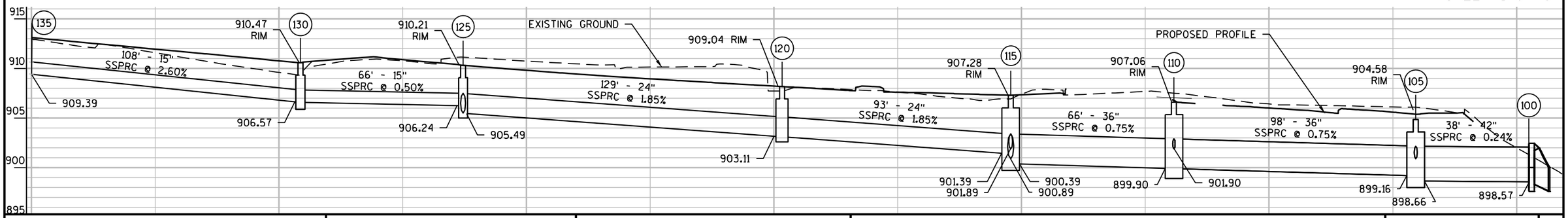
2



LEGEND

- (A) CONCRETE COLLARS FOR CULVERT PIPE REQ'D
- (B) STORM SEWER TAP REQ'D
- (C) SEALING PIPES REQ'D
- (D) REMOVING STORM SEWER REQ'D
- (E) REMOVING APRON ENDWALLS REQ'D
- (F) REMOVING INLETS REQ'D
- (G) RIPRAP MEDIUM REQ'D

SHEET 1 OF 5



PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	STORM SEWER: USH 51	SHEET	E

2

LEGEND

- (A) CONCRETE COLLARS FOR CULVERT PIPE REQ'D
- (B) STORM SEWER TAP REQ'D
- (C) SEALING PIPES REQ'D
- (D) REMOVING STORM SEWER REQ'D
- (E) REMOVING APRON ENDWALLS REQ'D
- (F) REMOVING INLETS REQ'D
- (G) RIPRAP MEDIUM REQ'D

N

MCCOMB ROAD

MATCH LINE SHEET 1 OF 5

MATCH LINE STA. 18+50 A

US 51/STH 138

HOIBY ROAD

SILVERADO DRIVE

16+00 A

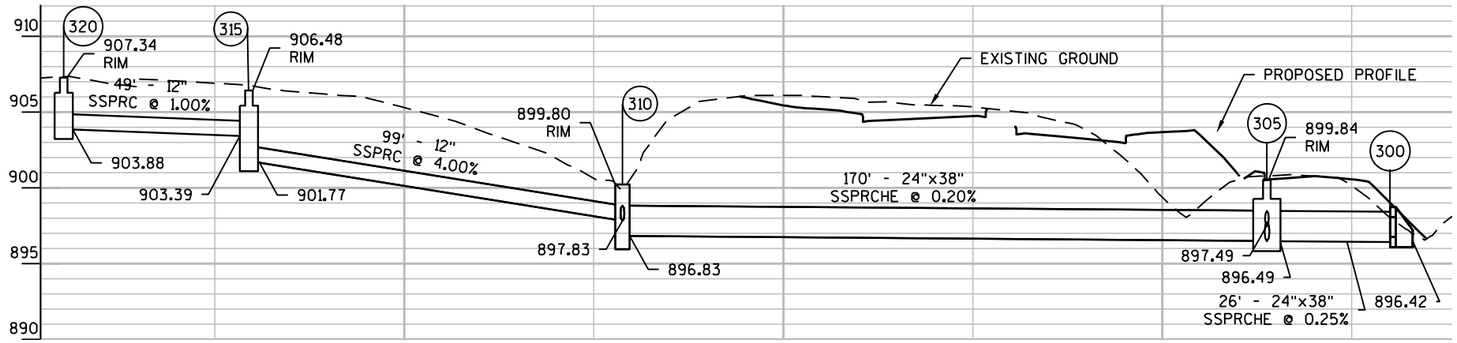
17+00 A

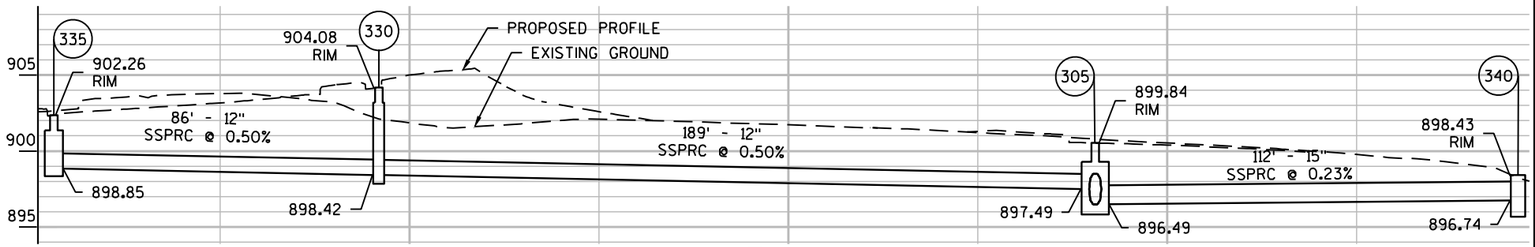
18+00 A

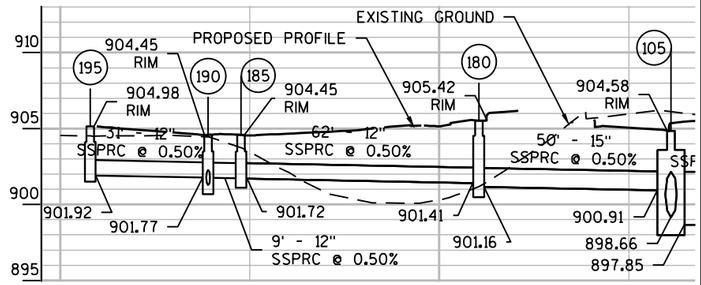
11+00 H

12+00 H

U.D.







SHEET 2 OF 5

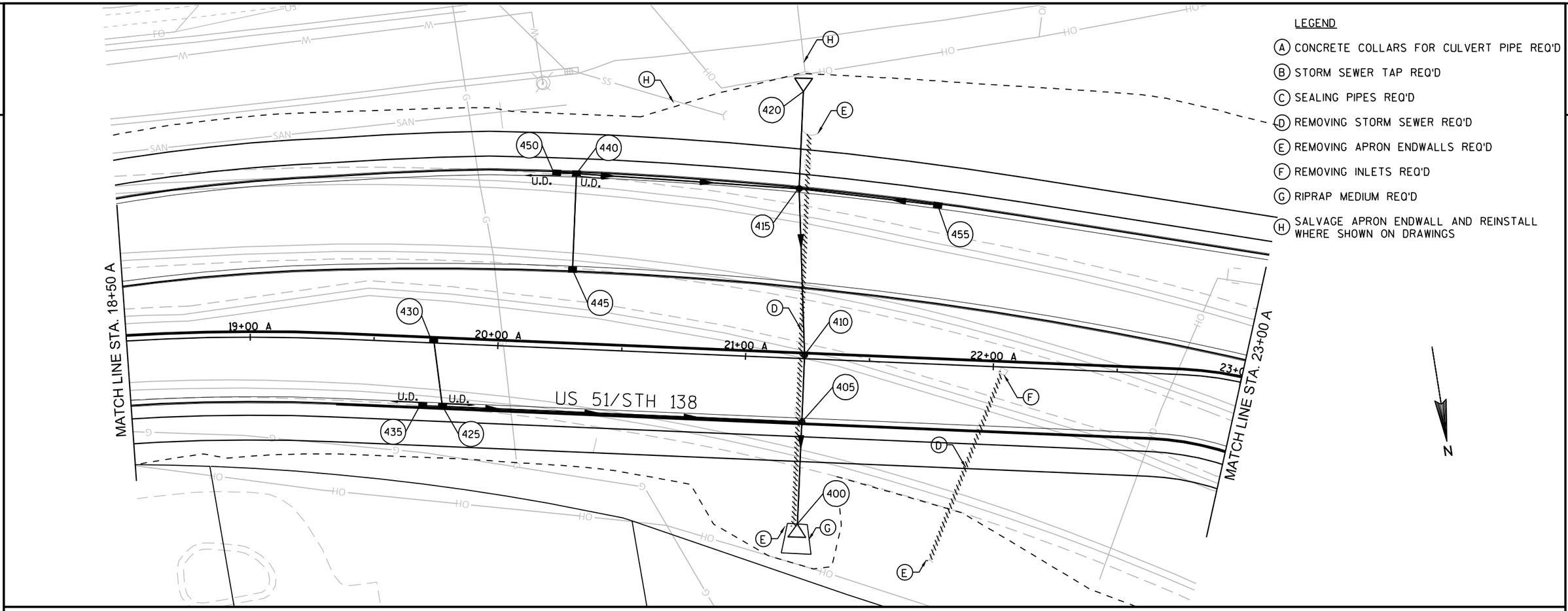
PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	STORM SEWER: US 51/HOIBY ROAD	SHEET	E

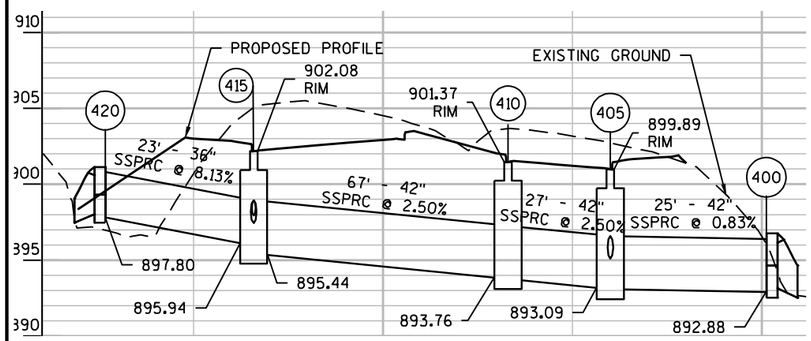
FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\022501_SS.DWG
LAYOUT NAME - 022502

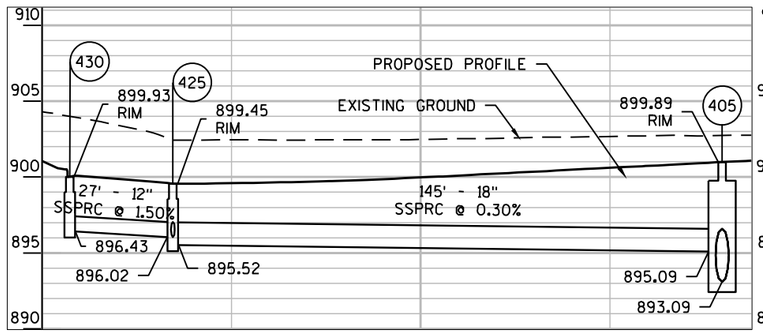
PLOT DATE : 9/1/2020 1:57 PM PLOT BY : LYNCH, CHRIS PLOT NAME : PLOT SCALE : **********

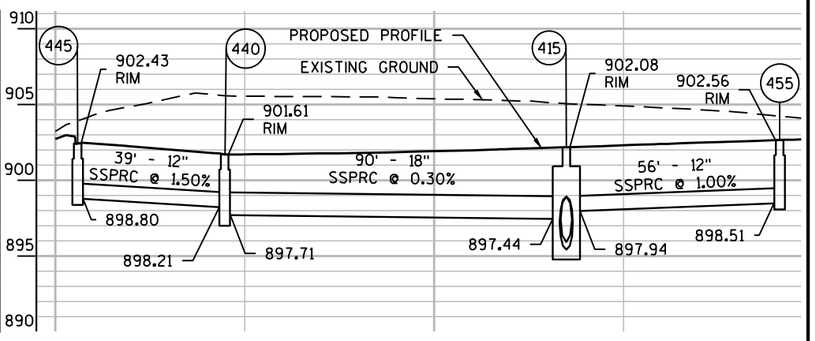
WISDOT/CADDS SHEET 44

2









SHEET 3 OF 5

PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	STORM SEWER:USH 51	SHEET	E

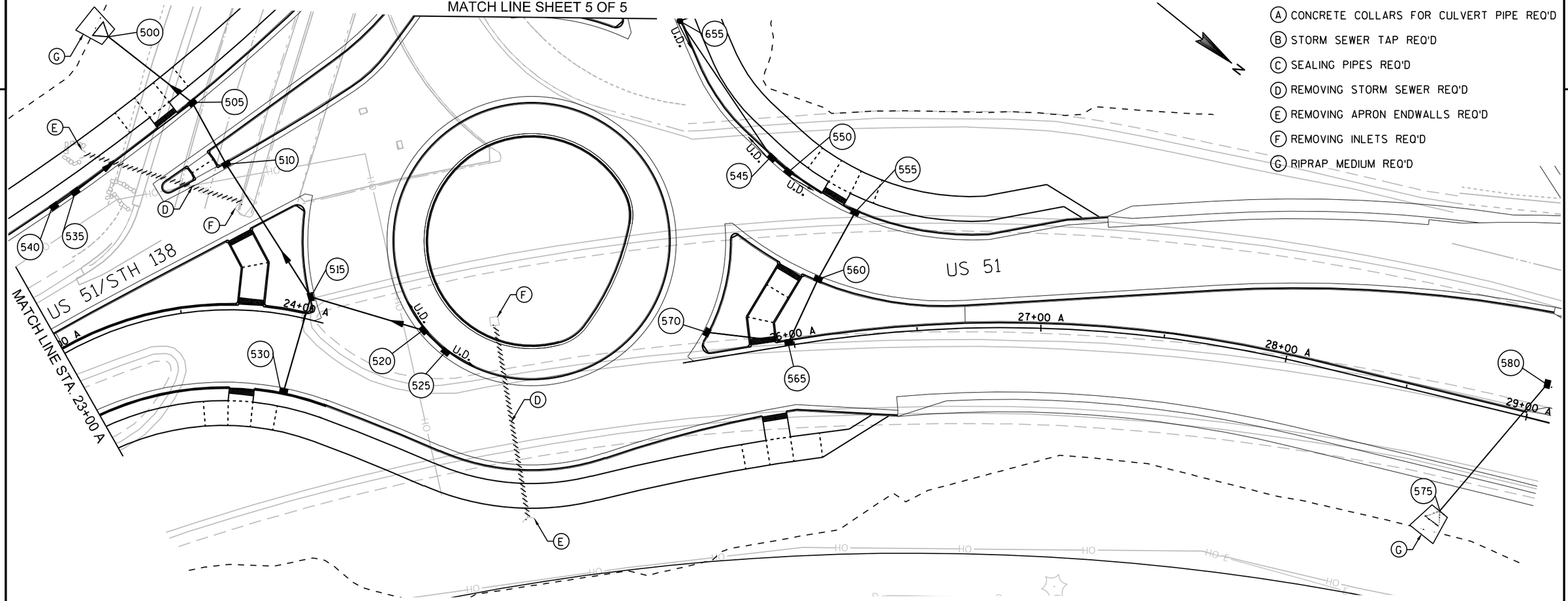
FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\022501_SS.DWG
LAYOUT NAME - 022503
PLOT DATE : 9/1/2020 1:57 PM
PLOT BY : LYNCH, CHRIS
PLOT NAME :
PLOT SCALE : **********
WISDOT/CADDS SHEET 44

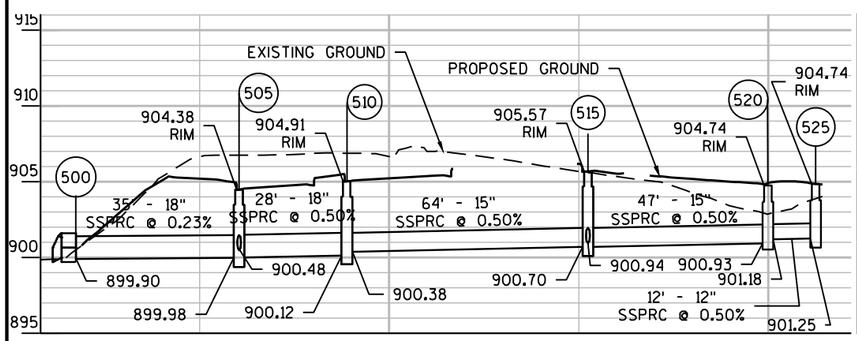
2

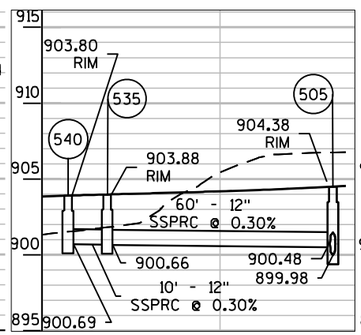
MATCH LINE SHEET 5 OF 5

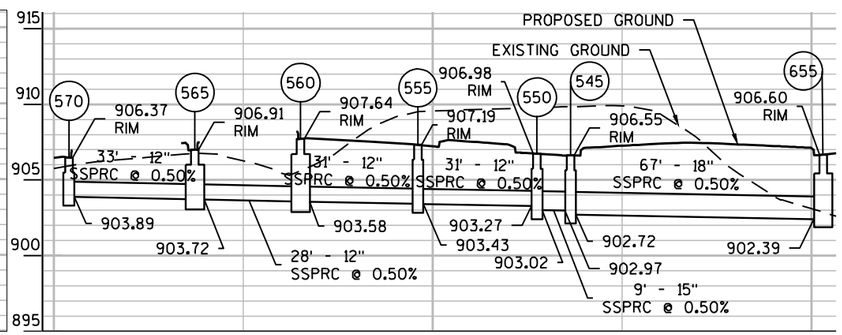
LEGEND

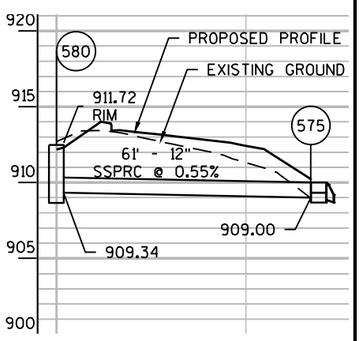
- (A) CONCRETE COLLARS FOR CULVERT PIPE REQ'D
- (B) STORM SEWER TAP REQ'D
- (C) SEALING PIPES REQ'D
- (D) REMOVING STORM SEWER REQ'D
- (E) REMOVING APRON ENDWALLS REQ'D
- (F) REMOVING INLETS REQ'D
- (G) RIPRAP MEDIUM REQ'D









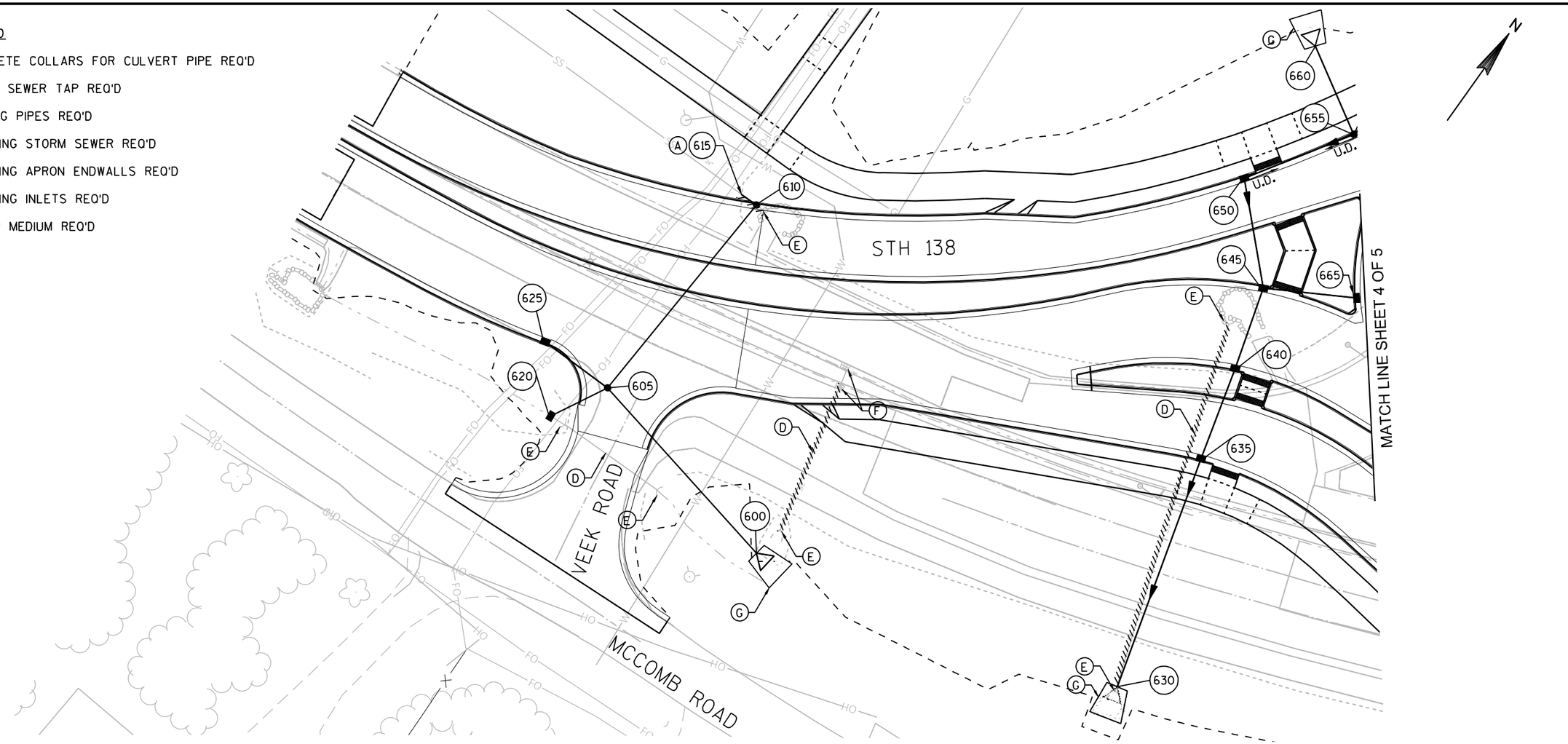


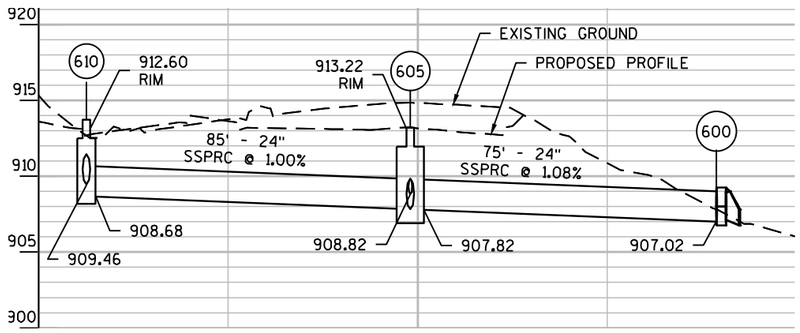
SHEET 4 OF 5

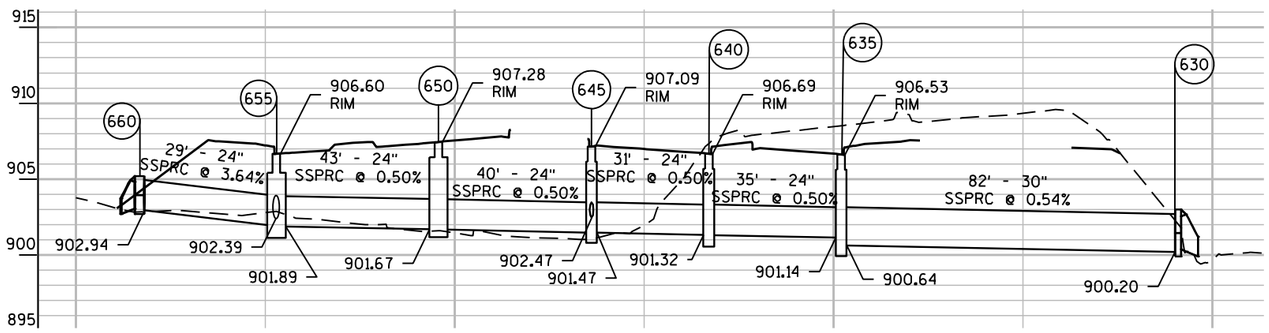
PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	STORM SEWER: USH 51	SHEET	E

LEGEND

- (A) CONCRETE COLLARS FOR CULVERT PIPE REQ'D
- (B) STORM SEWER TAP REQ'D
- (C) SEALING PIPES REQ'D
- (D) REMOVING STORM SEWER REQ'D
- (E) REMOVING APRON ENDWALLS REQ'D
- (F) REMOVING INLETS REQ'D
- (G) RIPRAP MEDIUM REQ'D







SHEET 5 OF 5

PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	STORM SEWER: STH 138	SHEET	E

STRUCT NO.	STATION	OFFSET	C-C (FT)	TO STRUCT	INLET TYPE	COVER	MH TYPE	COVER	RIM/GRATE ELEV.	T.O.S. ELEV.	DEPTH (FT)	DISCHARGE PIPE					REMARKS
												SIZE (IN)	INLET ELEV	DISCHARGE ELEV.	LENGTH (FT)	SLOPE (%)	
100	14+10.00 A	136.3 ' RT	--	--	--	--	--	--	--	--	--	42	898.57	--	--	--	APRON ENDWALLS FOR CPRC 42-INCH REQ'D
105	14+48.00 A	83.7 ' RT	46	100	--	H	7-FOOT	--	904.58	903.75	5.09	42	898.66	898.57	38	0.24%	FLAT SLAB TOP REQ'D W/ 2'x3' OPENING
110	13+90.00 A	1.5 ' LT	98	105	--	H-S	5-FOOT	--	907.06	906.23	6.33	36	899.90	899.16	98	0.75%	FLAT SLAB TOP REQ'D W/ 2'x3' OPENING
115	13+43.00 A	40.0 ' LT	66	110	--	--	6-FOOT	J-S	907.28	906.03	5.64	36	900.39	899.90	66	0.75%	
120	12+63.00 A	36.5 ' LT	93	115	--	H	4-FOOT	--	909.04	908.21	5.10	24	903.11	901.39	93	1.85%	FLAT SLAB TOP REQ'D W/ 2'x3' OPENING
125	11+30.00 A	36.1 ' LT	129	120	--	H	5-FOOT	--	910.21	909.38	3.89	24	905.49	903.11	129	1.85%	FLAT SLAB TOP REQ'D W/ 2'x3' OPENING
130	11+28.00 A	29.5 ' RT	66	125	--	H	4-FOOT	--	910.47	909.64	3.07	15	906.57	906.24	66	0.50%	
135	10+20.00 A	23.2 ' RT	108	130	--	--	--	--	--	--	--	15	909.39	906.57	108	2.60%	CONCRETE COLLARS FOR PIPE REQ'D
140	11+30.79 A	63.1 ' LT	27	125	--	--	--	--	--	--	--	24	908.55	905.50	27	11.30%	STORM SEWER TAP REQ'D; CONCRETE COLLARS FOR PIPE REQ'D
145	13+72.00 A	76.2 ' LT	74	115	MEDIAN 2 GRATE	MS	--	--	906.78	906.78	5.52	30	901.26	900.89	74	0.50%	
150	13+69.00 A	102.1 ' LT	58	145	--	H-S	4-FOOT	--	906.24	905.41	2.61	15	902.80	902.51	58	0.50%	
155	14+40.00 A	133.6 ' LT	51	150	2X3-FT	H-S	--	--	906.57	905.74	2.44	12	903.30	903.05	51	0.50%	
160	14+90.00 A	124.7 ' LT	36	150	2X3-FT	H	--	--	906.69	906.73	3.50	12	903.23	903.05	36	0.50%	
165	13+55.00 A	29.0 ' RT	44	110	--	H	4-FOOT	--	905.23	904.40	2.28	12	902.12	901.90	44	0.50%	
170	13+55.00 A	30.0 ' RT	44	110	2X3-FT	H-S	--	--	906.23	905.40	3.32	12	902.08	901.90	9	2.00%	
175	13+40.00 A	46.4 ' LT	6	115	TERRACE INLET	38080005	10" X3'2 3/	--	907.07	0.00	-902.02	18	902.02	901.89	6	2.00%	

STRUCT NO.	STATION	OFFSET	C-C (FT)	TO STRUCT	INLET TYPE	COVER	MH TYPE	COVER	RIM/GRATE ELEV.	T.O.S. ELEV.	DEPTH (FT)	DISCHARGE PIPE					REMARKS
												SIZE (IN)	INLET ELEV	DISCHARGE ELEV.	LENGTH (FT)	SLOPE (%)	
180	14+89.00 A	59.8 ' RT	50	105	--	H-S	4-FOOT	--	905.42	904.59	3.43	15	901.16	900.91	50	0.50%	
185	15+19.00 A	3.9 ' RT	62	180	2X2.5-FT	T	--	--	904.45	903.53	1.81	12	901.72	901.41	62	0.50%	
190	15+24.00 A	2.9 ' RT	9	185	--	T	4-FOOT	--	904.45	903.53	1.77	12	901.77	901.72	9	0.50%	
195	15+60.00 A	8.6 ' LT	31	190	2X3-FT	H-S	--	--	904.98	904.15	2.23	12	901.92	901.77	31	0.50%	
300	16+91.00 A	98.6 ' RT	--	--	--	--	--	--	--	--	--	24x38	896.42	--	--	--	APRON ENDWALLS FOR CPRCHE 24x38-INCH REQ'D
305	16+79.50 A	61.0 ' RT	33	300	--	H	6-FOOT	--	899.84	899.01	2.52	24x38	896.49	896.42	26	0.25%	FLAT SLAB TOP REQ'D W/ 2'x3' OPENING
310	16+40.50 A	103.3 ' LT	170	305	MEDIAN 2 GRATE	MS	--	--	899.80	899.80	2.97	24x38	896.83	896.49	170	0.20%	2 MS GRATES REQ'D
315	15+88.90 A	183.5 ' LT	99	310	--	H-S	4-FOOT	--	906.48	905.65	3.88	12	901.77	897.83	99	4.00%	
320	16+05.00 A	231.4 ' LT	49	315	2X3-FT	H	--	--	907.34	906.51	2.63	12	903.88	903.39	49	1.00%	
325	15+25.00 A	4.9 ' LT	50	310	2X3-FT	H	--	--	905.01	904.18	4.87	12	899.31	897.83	50	3.00%	
330	15+14.50 A	76.6 ' RT	30	305	2X3-FT	H	--	--	904.08	903.25	4.83	12	898.42	897.49	189	0.50%	
335	15+15.00 A	74.0 ' RT	86	330	2X3-FT	H	--	--	902.26	901.43	2.58	12	898.85	898.42	86	0.50%	
340	18+00.00 A	57.7 ' RT	112	305	MEDIAN 1 GRATE	MS	--	--	898.43	898.43	1.69	15	896.74	896.49	112	0.23%	

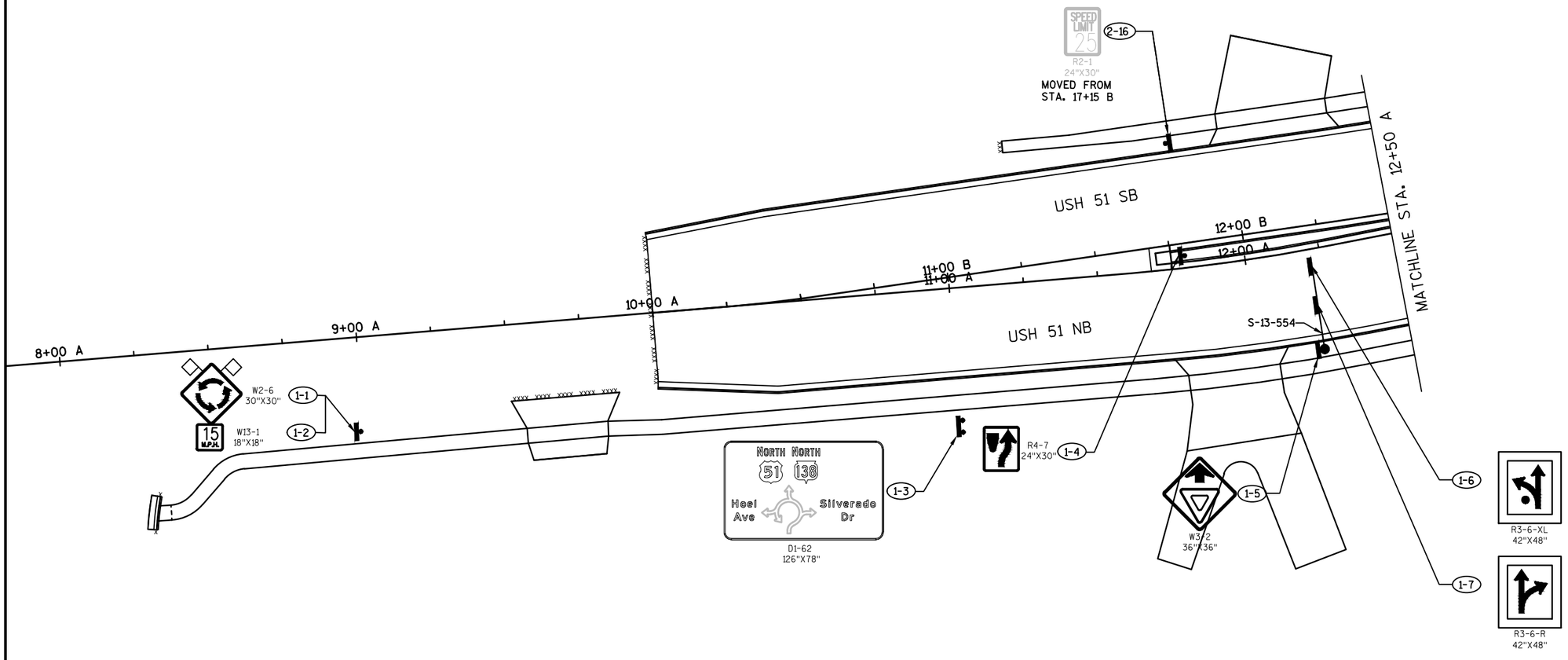
STRUCT NO.	STATION	OFFSET	C-C (FT)	TO STRUCT	INLET TYPE	COVER	MH TYPE	COVER	RIM/GRATE ELEV.	T.O.S. ELEV.	DEPTH (FT)	DISCHARGE PIPE					REMARKS
												SIZE (IN)	INLET ELEV	DISCHARGE ELEV.	LENGTH (FT)	SLOPE (%)	
400	21+23.78 A	66.7 ' RT	--	--	--	--	--	--	--	--	--	42	892.88	--	--	--	APRON ENDWALLS FOR CPRC 42-INCH REQ'D
405	21+25.00 A	66.7 ' RT	33	400	--	H	6-FOOT	--	899.89	899.06	5.97	42	893.09	892.88	25	0.83%	FLAT SLAB TOP REQ'D W/ 2'x3' OPENING
410	21+25.00 A	25.5 ' RT	27	405	--	H	6-FOOT	--	901.37	900.54	6.78	42	893.76	893.09	27	2.50%	FLAT SLAB TOP REQ'D W/ 2'x3' OPENING
415	21+25.00 A	1.5 ' LT	67	410	--	H	6-FOOT	--	902.08	901.25	5.81	42	895.44	893.76	67	2.50%	FLAT SLAB TOP REQ'D W/ 2'x3' OPENING
420	21+18.75 A	113.0 ' LT	31	415	--	--	--	--	--	--	--	36	897.80	895.94	23	8.13%	APRON ENDWALLS FOR CPRC 36-INCH REQ'D
425	19+78.75 A	26.5 ' RT	145	405	--	H-S	4-FOOT	--	899.45	898.62	3.10	18	895.52	895.09	145	0.30%	
430	19+74.00 A	2.5 ' RT	27	425	2X3-FT	H-S	--	--	899.93	899.10	2.67	12	896.43	896.02	27	1.50%	
435	19+70.75 A	26.5 ' RT	8	425	2X3-FT	H-S	--	--	899.45	898.62	2.58	12	896.05	896.02	8	0.30%	
440	20+28.75 A	71.8 ' LT	90	415	--	H-S	4-FOOT	--	901.61	900.78	3.07	18	897.71	897.44	90	0.30%	
445	20+28.75 A	61.1 ' LT	39	440	2X3-FT	H-S	--	--	902.43	901.60	2.80	12	898.80	898.21	39	1.50%	
450	20+20.75 A	71.8 ' LT	8	440	2X3-FT	H-S	--	--	901.62	900.79	2.55	12	898.24	898.21	8	0.30%	
455	21+75.00 A	65.3 ' LT	56	415	2X3-FT	H	--	--	902.56	901.73	3.22	12	898.51	897.94	56	1.00%	

STRUCT NO.	STATION	OFFSET		C-C (FT)	TO STRUCT	INLET TYPE	COVER	MH TYPE	COVER	RIM/GRATE ELEV.	T.O.S. ELEV.	DEPTH (FT)	DISCHARGE PIPE					REMARKS
													SIZE (IN)	INLET ELEV	DISCHARGE ELEV.	LENGTH (FT)	SLOPE (%)	
500	24+00.00 A	85.0	' RT	--	--	--	--	--	--	--	--	--	18	899.90	--	--	--	APRON ENDWALLS FOR CPRC 18-INCH REQ'D
505	23+60.00 A	58.9	' LT	41	500	2X3-FT	H	--	--	904.38	903.55	--	18	899.98	899.90	35	0.23%	
510	23+68.50 A	9.0	' LT	28	505	2X3-FT	H	--	--	904.91	904.08	--	18	900.12	899.98	28	0.50%	
515	23+99.75 A	30.9	' RT	64	510	--	H-S	4-FOOT	--	905.57	904.74	4.04	15	900.70	900.38	64	0.50%	
520	24+49.50 A	2.4	' LT	47	515	--	T	4-FOOT	--	904.74	903.82	2.89	15	900.93	900.69	47	0.50%	
525	24+59.00 A	5.1	' RT	12	520	2X2.5-FT	T	--	--	904.74	903.82	2.58	12	901.25	901.18	12	0.50%	
530	23+98.00 A	97.5	' RT	40	515	2X3-FT	H	--	--	904.31	903.48	2.34	12	901.14	900.94	40	0.50%	
535	23+25.00 A	59.1	' LT	60	505	2X3-FT	H	--	--	903.88	903.05	2.39	12	900.66	900.48	60	0.30%	
540	23+18.00 A	56.6	' LT	10	535	2X3-FT	H	--	--	903.80	902.97	2.28	12	900.69	900.66	10	0.30%	
545	26+03.50 A	76.7	' LT	67	655	--	H-S	4-FOOT	--	906.55	905.72	3.00	18	902.72	902.39	67	0.50%	
550	26+08.50 A	70.1	' LT	9	545	2X3-FT	H-S	--	--	906.98	906.15	3.13	15	903.02	902.97	9	0.50%	
555	26+30.50 A	50.7	' LT	31	550	2X3-FT	H	--	--	907.19	906.36	2.93	12	903.43	903.27	31	0.50%	
560	26+12.50 A	23.8	' LT	31	555	2X3-FT	H	--	--	907.64	906.81	3.23	12	903.58	903.43	31	0.50%	
565	25+98.00 A	2.5	' RT	28	560	--	H	4-FOOT	--	906.91	906.08	2.36	12	903.72	903.58	28	0.50%	
570	25+67.00 A	10.2	' LT	33	565	2X3-FT	H-S	--	--	906.37	905.54	1.65	12	903.89	903.72	33	0.50%	
575	28+75.00 A	45.0	' RT	--	--	--	--	--	--	--	--	--	12	--	--	--	--	APRON ENDWALLS FOR CPRC 12-INCH REQ'D
580	29+05.00 A	15.0	' LT	67.4	575	MEDIAN 1 GRATE	MS	--	--	911.72	911.72	2.38	12	909.34	909.00	61	0.55%	

STRUCT NO.	STATION	OFFSET		C-C (FT)	TO STRUCT	INLET TYPE	COVER	MH TYPE	COVER	RIM/GRATE ELEV.	T.O.S. ELEV.	DEPTH (FT)	DISCHARGE PIPE					REMARKS
													SIZE (IN)	INLET ELEV	DISCHARGE ELEV.	LENGTH (FT)	SLOPE (%)	
600	11+67.00 B3	87.3	' RT	--	--	--	--	--	--	--	--	--	--	907.02	--	--	--	APRON ENDWALLS FOR CPRC 24-INCH REQ'D
605	11+12.25 B3	39.1	' RT	81	600			5-FOOT	J-S	913.22	911.97	4.15	24	907.82	907.02	75	1.08%	
610	11+50.00 B3	37.7	' LT	85	605	--	H	5-FOOT	--	912.60	911.77	3.09	24	908.68	907.82	85	1.00%	FLAT SLAB TOP REQ'D W/ 2'x3' OPENING
615	11+43.25 B3	40.6	' LT	7	610	--	--	--	--	--	--	--	24	909.61	909.46	7	2.14%	CONCRETE COLLARS FOR PIPE REQ'D
620	10+98.00 B3	55.0	' RT	23	605	MEDIAN 2 GRATE	MS	--	--	912.40	912.40	4.12	24	908.28	907.82	23	2.00%	2 MS GRATES REQ'D
625	10+88.25 B3	30.4	' RT	28	605	2X3-FT	H	--	--	913.86	913.03	3.65	12	909.38	908.82	28	2.00%	
630	12+63.50 B3	140.0	' RT	--	--	--	--	--	--	--	--	--	30	900.20	--	--	--	APRON ENDWALLS FOR CPRC 30-INCH REQ'D
635	13+22.10 B3	63.0	' RT	88	630	--	H	5-FOOT	--	906.53	905.70	5.06	30	900.64	900.20	82	0.54%	FLAT SLAB TOP REQ'D W/ 2'x3' OPENING
640	13+36.00 B3	29.1	' RT	35	635	2X3-FT	H	--	--	906.69	905.86	4.54	24	901.32	901.14	35	0.50%	
645	13+41.50 B3	1.4	' LT	31	640	--	H	4-FOOT	--	907.09	906.26	4.79	24	901.47	901.32	31	0.50%	
650	13+30.25 B3	37.8	' LT	40	645	--	H	5-FOOT	--	907.28	906.45	4.78	24	901.67	901.47	40	0.50%	FLAT SLAB TOP REQ'D W/ 2'x3' OPENING
655	13+56.00 B3	63.6	' LT	43	650	--	H-S	5-FOOT	--	906.60	905.77	3.88	24	901.89	901.67	43	0.50%	FLAT SLAB TOP REQ'D W/ 2'x3' OPENING
660	13+42.27 B3	91.1	' LT	35	655	--	--	--	--	--	--	--	24	902.94	901.89	29	3.64%	APRON ENDWALLS FOR CPRC 24-INCH REQ'D
665	13+56.00 B3	63.6	' LT	34	645	2X3-FT	H-S	--	--	906.62	905.79	2.98	12	902.81	902.47	34	1.00%	

2

N



LEGEND

- PROPOSED SIGN MOUNTED ON POST(S)
- x-xx — DENOTES SIGN NUMBER
- Ex-xx — DENOTES EXISTING SIGN NUMBER
- SIGN FLAG TEMPORARY

PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	PERMANENT SIGNING	SHEET	E

2

MATCHLINE STA. 11+50 A4

STOP E2-13 REMOVE

2-23 STOP R1-1 30"X30"

MCCOMB RD 11+00 M

HOEL AVE

12+00 A3

12+00 A4

R4-7 24"X30" 2-24

R1-2 36"X31" 2-25

ONE WAY R6-2-R 24"X30" 2-26

R1-2 36"X31" 2-27

TO TRAFFIC FROM LEFT R1-54 24"X15" 2-28

2-29 2-30 2-31 2-32 2-33 2-34 2-35 2-36

STOP E2-14

ONE WAY E2-15

ONE WAY E2-16

DIVIDED HIGHWAY E2-17 REMOVE

R6-1R 36"_X_12"

R6-4B 48"_X_18"

ONE WAY

SOUTH SOUTH 51 138 2-37 D1-1 72"X30"

STOUGHTON POPULATION 12,611 E2-20 REMOVE

HWY 151-138 E2-18

HOEL AVE E2-19 REMOVE

2-22 Hoel Ave D1-1 66"X15"

R1-2 36"X31" 2-18

R1-2 36"X31" 2-20

R1-54 24"X15" 2-21

R6-2-R 24"X30" 2-19

E2-12 REMOVE

DO NOT ENTER E2-11 REMOVE

MOVE SPEED LIMIT 25 R2-1 24"X30" 2-17

MOVE TO STA. 11+79 B (LT)

SPEED LIMIT 25 R2-1 24"X30" 2-16

E2-10 REMOVE

N

2-14 R3-6-R 42"X48"

2-15 R3-6-XL 42"X48"

S-13-555

MATCHLINE STA. 12+50 A

USH 51 SB

13+00 B

13+00 A

14+00 B

14+00 A

USH 51 NB

11+00 A1

16+00 B

16+00 A

17+00 B

17+00 A

MATCHLINE STA. 17+50 A

E2-1 REMOVE

R1-2 36"X31" 2-1

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

HWY 151-138 E2-2

SILVERADO DR E2-3 REMOVE

R1-2 36"X31" 2-3

TO TRAFFIC FROM LEFT R1-54 24"X15" 2-4

STOP E2-4

ONE WAY E2-5

ONE WAY E2-6

DIVIDED HIGHWAY E2-7 REMOVE

Silverado Dr D1-1 78"X15" 2-5

R1-2 36"X31" 2-6

ONE WAY R6-2-R 24"X30" 2-7

STOP E2-8 REMOVE

12+00 A8

12+00 A7

SILVERADO DR

MATCHLINE STA. 11+50 A7

NORTH NORTH 51 138 2-11 D1-1 72"X30"

MOVE SPEED LIMIT 35 R2-1 24"X30" 2-13

HOIBY RD.

NORTH NORTH 138 51 E2-9 REMOVE

MOVE SPEED LIMIT 35 R2-1 24"X30" 2-12

2-9 R1-2 36"X31"

2-10 R1-54 24"X15" TO TRAFFIC FROM LEFT

2-8 STOP R1-1 30"X30"

LEGEND

- PROPOSED SIGN MOUNTED ON POST(S)
- x-xx DENOTES SIGN NUMBER
- Ex-xx DENOTES EXISTING SIGN NUMBER
- SIGN FLAG TEMPORARY

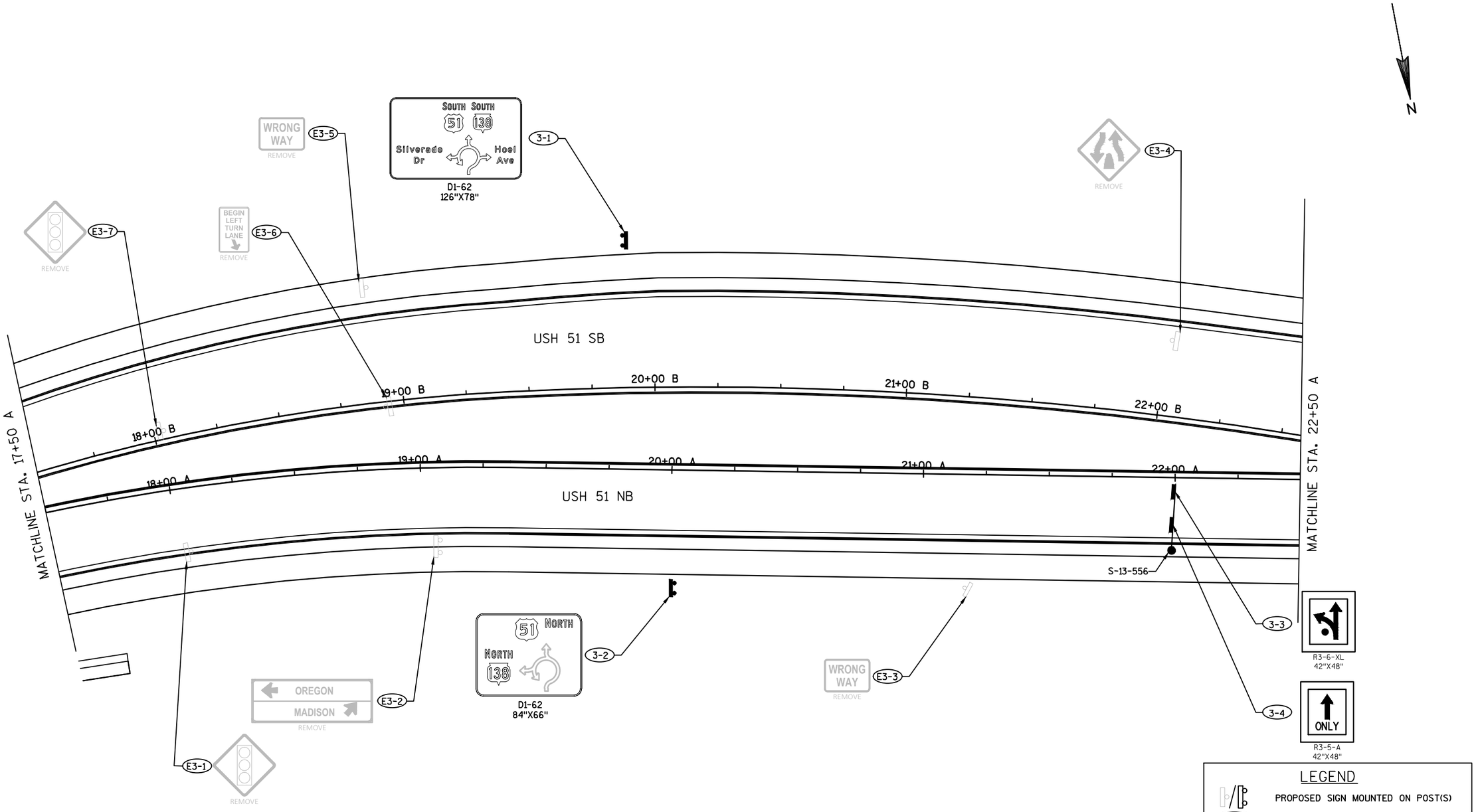
PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	PERMANENT SIGNING	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\023201_PS.DWG
LAYOUT NAME - 023202

PLOT DATE : 9/1/2020 10:48 AM PLOT BY : LYNCH, CHRIS PLOT NAME : PLOT SCALE : ******

WISDOT/CADDS SHEET 44

2



PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	PERMANENT SIGNING	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\023201_PS.DWG
LAYOUT NAME - 023203
PLOT DATE : 9/1/2020 10:48 AM PLOT BY : LYNCH, CHRIS PLOT NAME : PLOT SCALE : ******
WISDOT/CADDS SHEET 44

2

MATCHLINE STA. 12+50 B3

MOVE
NO ENGINE BREAKING EXCEPT IN EMERGENCY
4-25
4-26

YIELD R1-2 36"X31" 4-11
ONE WAY R6-2-R 24"X30" 4-12
YIELD R1-2 36"X31" 4-13
TO TRAFFIC FROM LEFT R1-54 24"X15" 4-14

R6-1R 36"_X_12"
R6-4B 48"_X_18"
ONE WAY
4-15
4-16
4-17
4-18
4-19
4-20

SOUTH SOUTH 51 138
4-21
D1-1 72"X30"

STOP E4-15 REMOVE MOUNTED ON SIGNAL POLE

NORTH SOUTH SOUTH 51 51 138
E4-16 REMOVE

ONE WAY DIVIDED HIGHWAY
E4-13
E4-14
REMOVE

DO NOT ENTER
E4-17 REMOVE MOUNTED ON SIGNAL POLE

4-22

SOUTH SOUTH 51 138
E4-18 REMOVE

E4-19 REMOVE

STH 138 EB

STH 138 WB

13+00 B3

13+00 B4

51 SOUTH
138 NORTH
4-10
D1-2 66"X36"

SOUTH NORTH 138 138
E4-10 REMOVE

YIELD R1-2 36"X31" 4-8
TO TRAFFIC FROM LEFT R1-54 24"X15" 4-9

NO TURN ON RED
STOP
E4-11
E4-12
REMOVE MOUNTED ON SIGNAL POLE

18+00 B2

13+00 B2

YIELD R1-2 36"X31" 4-6
ONE WAY R6-2-R 24"X30" 4-7

E4-9 WRONG WAY REMOVE

26+00 B

USH 51 SB

24+00 B

24+00 A

27+00 B

27+00 A

25+00 A

USH 51 NB

MATCHLINE STA. 27+50 A

23+00 B

23+00 A

MATCHLINE STA. 22+50 A

USH 51 SB

USH 51 NB

STOP E4-5 REMOVE MOUNTED ON SIGNAL POLE

DO NOT ENTER E4-3 REMOVE MOUNTED ON SIGNAL POLE

YIELD R1-2 36"X31" 4-1
ONE WAY R6-2-R 24"X30" 4-2
YIELD R1-2 36"X31" 4-3
TO TRAFFIC FROM LEFT R1-54 24"X15" 4-4

STOP E4-1 REMOVE MOUNTED ON SIGNAL POLE

STOP E4-2 REMOVE MOUNTED ON SIGNAL POLE

E4-4 ONE WAY REMOVE

E4-6 DO NOT ENTER REMOVE

E4-7 REMOVE

E4-8 REMOVE MOUNTED ON SIGNAL POLE

MOVE
4-23 NORTH M3-1 24"X12"
4-24 51 M1-4 24"X24"

4-5
138 NORTH
51 NORTH
D1-2 66"X36"

LEGEND

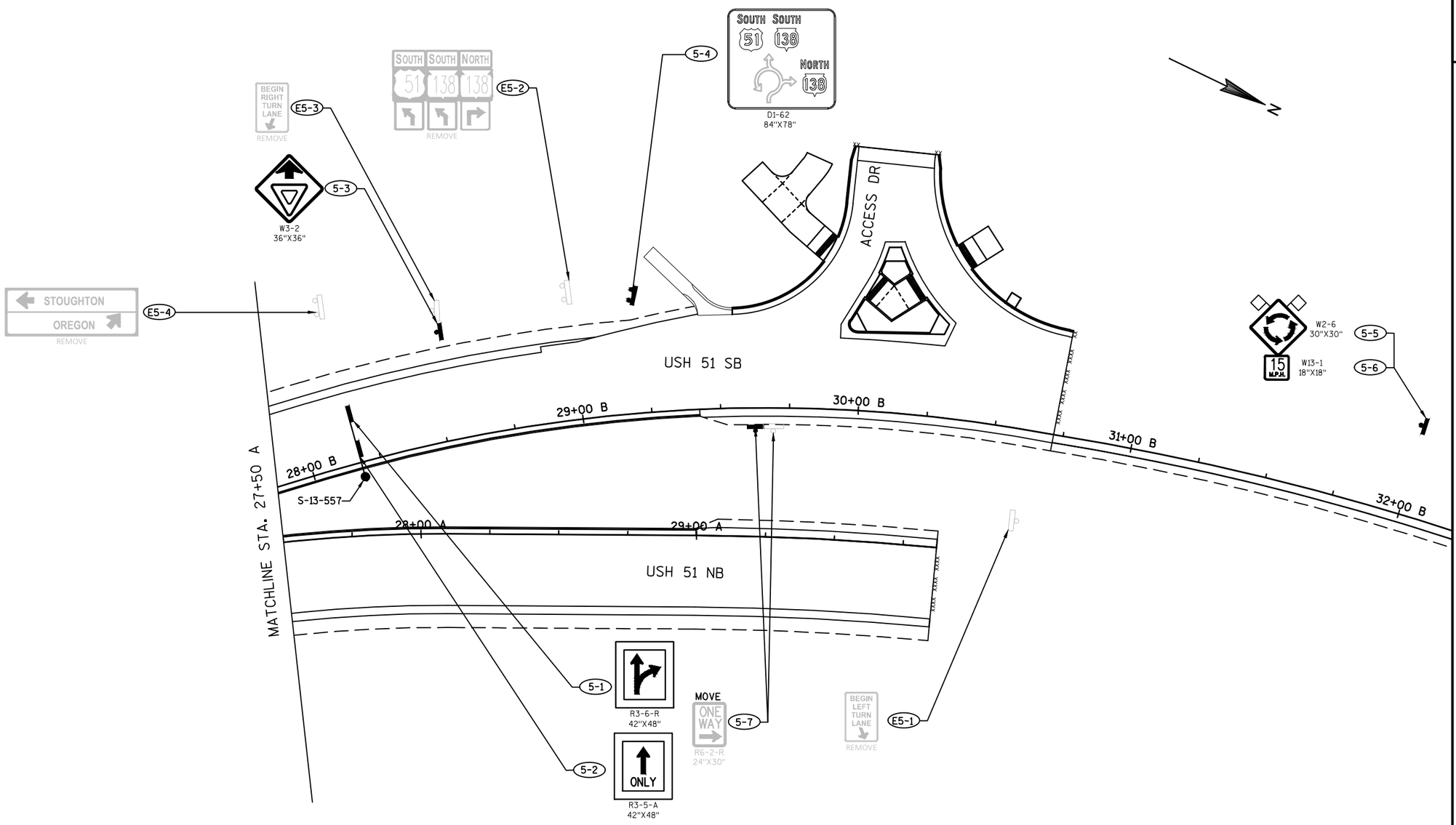
	PROPOSED SIGN MOUNTED ON POST(S)
x-xx	DENOTES SIGN NUMBER
Ex-xx	DENOTES EXISTING SIGN NUMBER
	SIGN FLAG TEMPORARY

PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	PERMANENT SIGNING	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\023201_PS.DWG
LAYOUT NAME - 023204
PLOT DATE : 9/1/2020 10:48 AM PLOT BY : LYNCH, CHRIS PLOT NAME : PLOT SCALE : **********

2

* EXISTING PATH STOP SIGNS, ACCESS DRIVE STOP SIGN, AND PEDESTRIAN CROSSING SIGN TO REMAIN

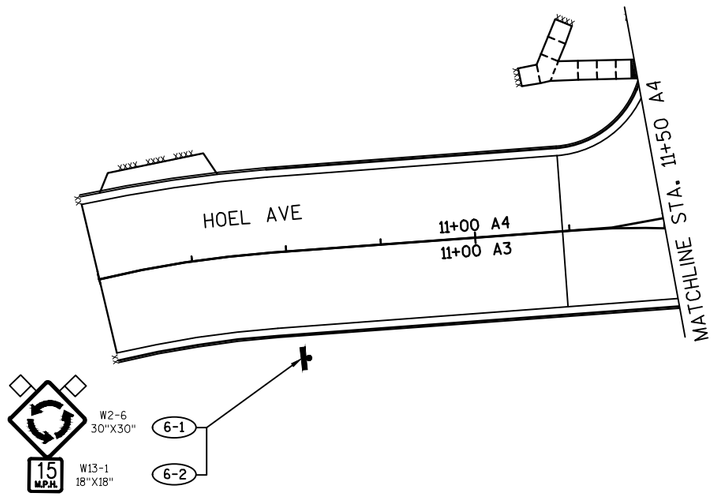


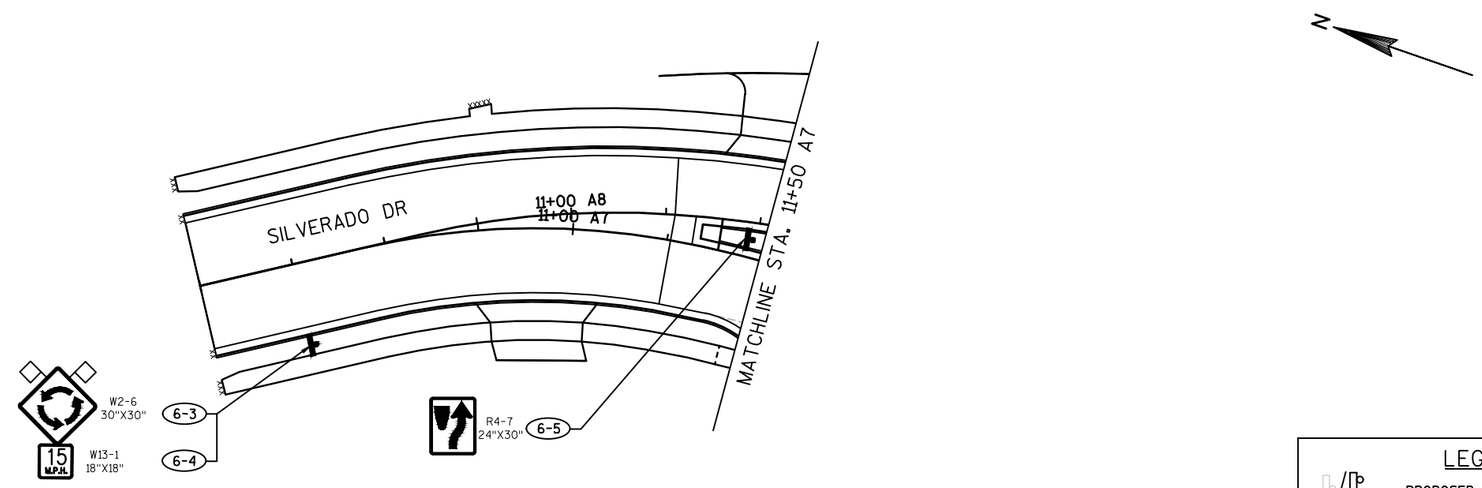
LEGEND

	PROPOSED SIGN MOUNTED ON POST(S)
X-XX	DENOTES SIGN NUMBER
EX-XX	DENOTES EXISTING SIGN NUMBER
	SIGN FLAG TEMPORARY

PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	PERMANENT SIGNING	SHEET	E

2



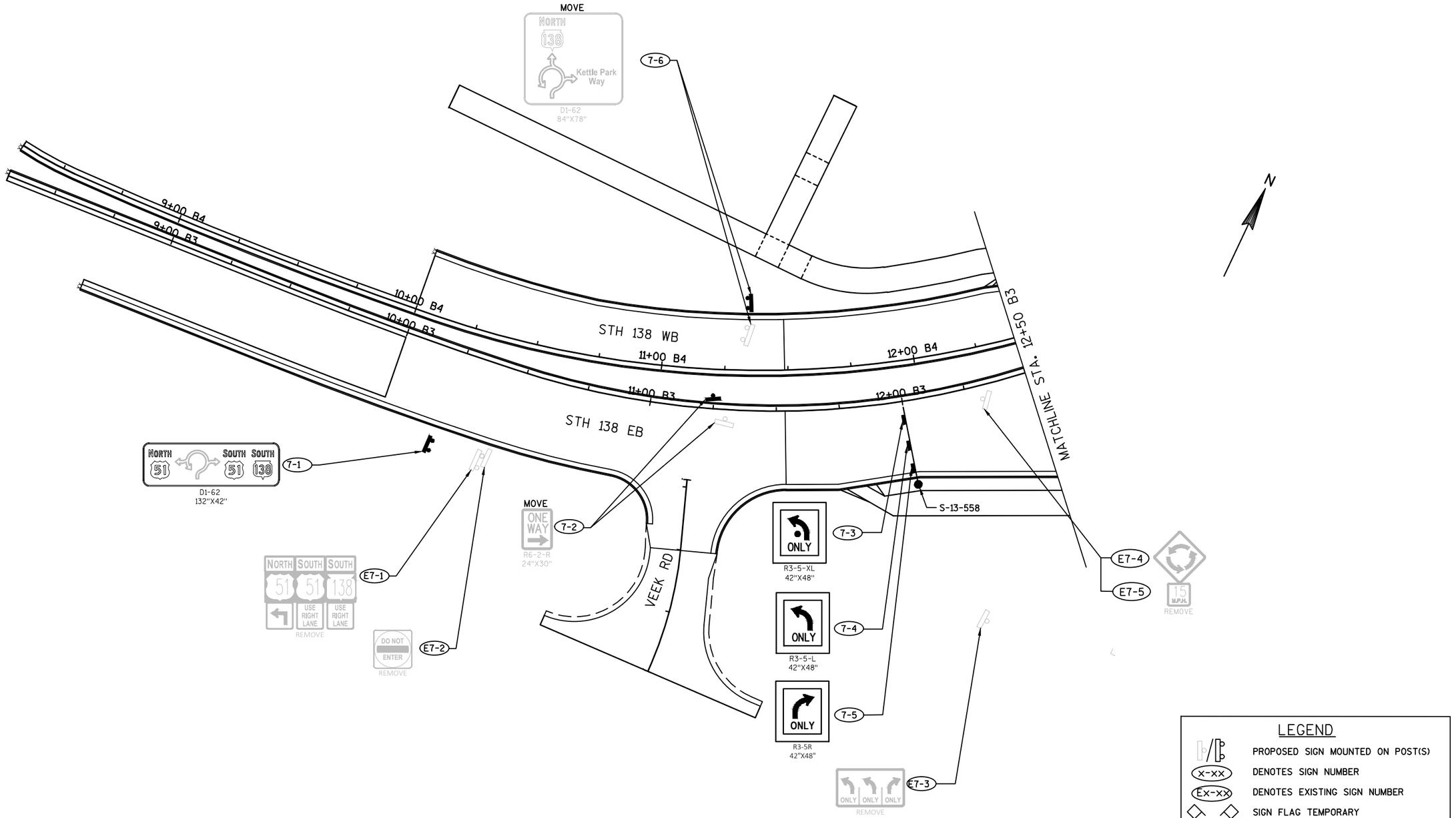


LEGEND

- PROPOSED SIGN MOUNTED ON POST(S)
- X-XX — DENOTES SIGN NUMBER
- EX-XX — DENOTES EXISTING SIGN NUMBER
- SIGN FLAG TEMPORARY

PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	PERMANENT SIGNING	SHEET	E

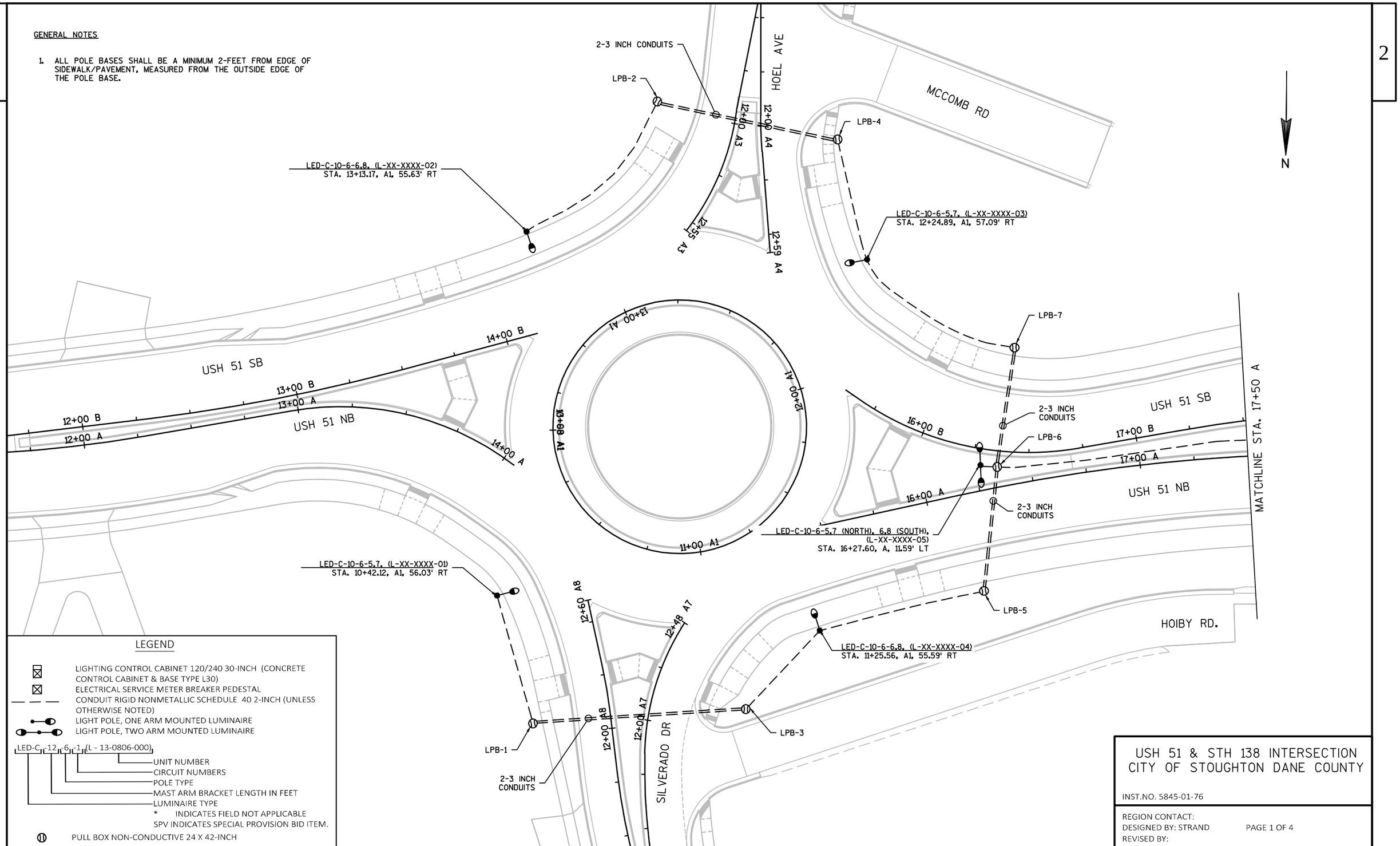
2



PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	PERMANENT SIGNING	SHEET	E

GENERAL NOTES

1. ALL POLE BASES SHALL BE A MINIMUM 2-FEET FROM EDGE OF SIDEWALK/PAVEMENT, MEASURED FROM THE OUTSIDE EDGE OF THE POLE BASE.



LEGEND

- LIGHTING CONTROL CABINET 120/240 30-INCH (CONCRETE CONTROL CABINET & BASE TYPE L30)
- ELECTRICAL SERVICE METER BREAKER PEDESTAL
- CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH (UNLESS OTHERWISE NOTED)
- LIGHT POLE, ONE ARM MOUNTED LUMINAIRE
- LIGHT POLE, TWO ARM MOUNTED LUMINAIRE

LED-C -12 -6 -1 (L - 13-0806-000)

- UNIT NUMBER
- CIRCUIT NUMBERS
- POLE TYPE
- MAST ARM BRACKET LENGTH IN FEET
- LUMINAIRE TYPE
- * INDICATES FIELD NOT APPLICABLE
- SPV INDICATES SPECIAL PROVISION BID ITEM.
- PULL BOX NON-CONDUCTIVE 24 X 42-INCH

USH 51 & STH 138 INTERSECTION
CITY OF STOUGHTON DANE COUNTY

INST.NO. 5845-01-76

REGION CONTACT:
DESIGNED BY: STRAND
REVISED BY:

PAGE 1 OF 4

PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	LIGHTING	SHEET	E

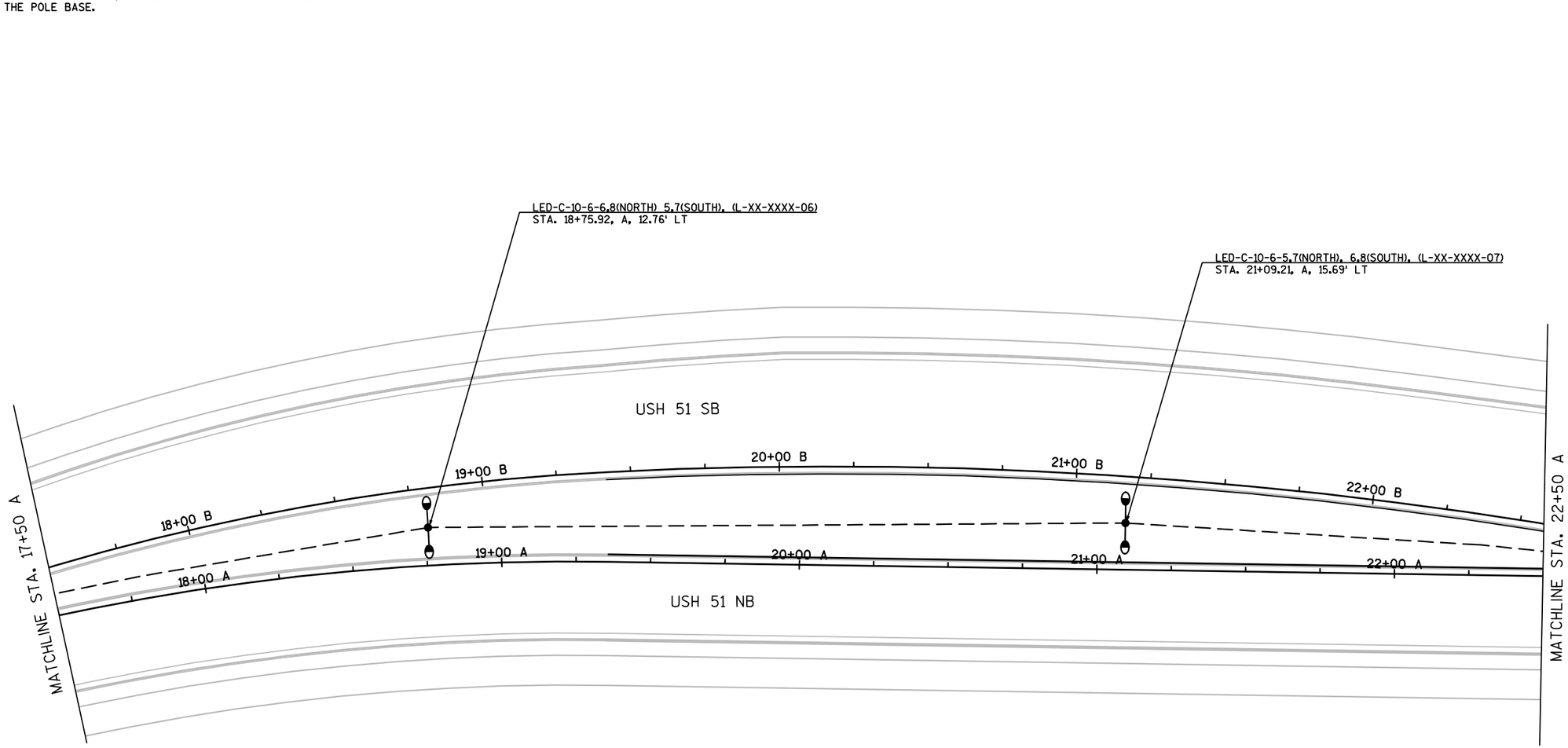
FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\023601_LP.DWG
LAYOUT NAME - 023601

PLOT DATE : 9/1/2020 10:48 AM PLOT BY : BECKER, ELISA PLOT NAME : PLOT SCALE : 1"=40 FT

WISDOT/CADDS SHEET 44

GENERAL NOTES

1. ALL POLE BASES SHALL BE A MINIMUM 2-FEET FROM EDGE OF SIDEWALK/PAVEMENT, MEASURED FROM THE OUTSIDE EDGE OF THE POLE BASE.



LEGEND

- LIGHTING CONTROL CABINET 120/240 30-INCH (CONCRETE CONTROL CABINET & BASE TYPE L30)
- ELECTRICAL SERVICE METER BREAKER PEDESTAL
- CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH (UNLESS OTHERWISE NOTED)
- LIGHT POLE, ONE ARM MOUNTED LUMINAIRE
- LIGHT POLE, TWO ARM MOUNTED LUMINAIRE

LED-C_12_6_1_(L - 13-0806-000)

- UNIT NUMBER
- CIRCUIT NUMBERS
- POLE TYPE
- MAST ARM BRACKET LENGTH IN FEET
- LUMINAIRE TYPE
- * INDICATES FIELD NOT APPLICABLE
- SPV INDICATES SPECIAL PROVISION BID ITEM.

- PULL BOX NON-CONDUCTIVE 24 X 42-INCH

USH 51 & STH 138 INTERSECTION
CITY OF STOUGHTON DANE COUNTY

INST.NO. 5845-01-76

REGION CONTACT:
DESIGNED BY: STRAND
REVISED BY:

PROJECT NO:5845-01-76	HWY: USH 51	COUNTY: DANE	LIGHTING	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\023601_LP.DWG
LAYOUT NAME - 023602
PLOT DATE : 9/1/2020 10:48 AM PLOT BY : BECKER, ELISA PLOT NAME : PLOT SCALE : 1"=40 FT

GENERAL NOTES

1. ALL POLE BASES SHALL BE A MINIMUM 2-FEET FROM EDGE OF SIDEWALK/PAVEMENT, MEASURED FROM THE OUTSIDE EDGE OF THE POLE BASE
2. COORDINATE WITH UTILITY COMPANY TO PROVIDE A 100-AMP, 120/240-VOLT, SINGLE PHASE 3-WIRE SERVICE TO LC-1.

LEGEND

- LIGHTING CONTROL CABINET 120/240 30-INCH (CONCRETE CONTROL CABINET & BASE TYPE L30)
- ELECTRICAL SERVICE METER BREAKER PEDESTAL
- CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH (UNLESS OTHERWISE NOTED)
- LIGHT POLE, ONE ARM MOUNTED LUMINAIRE
- LIGHT POLE, TWO ARM MOUNTED LUMINAIRE

LED-C - 12 - 6 - 1 (L - 13-0806-000)

- UNIT NUMBER
- CIRCUIT NUMBERS
- POLE TYPE
- MAST ARM BRACKET LENGTH IN FEET
- LUMINAIRE TYPE
- * INDICATES FIELD NOT APPLICABLE
- SPV INDICATES SPECIAL PROVISION BID ITEM.
- PULL BOX NON-CONDUCTIVE 24 X 42-INCH

MATCHLINE STA. 12+50 B3

STH 138 EB

STH 138 WB

13+00 B3

13+00 B4

13+80 B3

13+80 B4

LED-C-10-6-2.4, (L-XX-XXXX-14)
STA. 12+84.34, B3, 30.13' RT

2-3 INCH CONDUITS

LPB-13

LPB-14

LED-C-10-6-1.3, (L-XX-XXXX-10)
STA. 11+33.64, B1, 44.60' RT

LED-C-10-6-1.3, (L-XX-XXXX-13)
STA. 10+32.57, B1, 55.60' RT

LPB-12

3-3 INCH CONDUITS

3-3 INCH CONDUITS

LC-1

LPB-11

2-3 INCH CONDUITS

LED-C-10-6-2.4, (L-XX-XXXX-12)
STA. 26+77.60, B, 48.24' LT

LED-C-10-6-6.8 (NORTH) 5.7(SOUTH)
(L-XX-XXXX-08)
STA. 23+39.08, A, 8.17' LT

LPB-10

11+00 B1

12+00 B1

13+00 B1

2-3 INCH CONDUITS

24+00 B

LPB-9

26+00 B

USH 51 SB

27+00 B

28+00 B

24+00 A

27+00 A

26+00 A

28+00 A

23+00 B

23+00 A

USH 51 SB

USH 51 NB

MATCHLINE STA. 22+50 A

2-3 INCH CONDUITS

LPB-8

LED-C-10-6-2.4, (L-XX-XXXX-15)
STA. 28+19.15, A, 39.18' RT

LED-C-10-6-2.4, (L-XX-XXXX-09)
STA. 12+35.71, B1, 54.54' RT

LED-C-10-6-1.3, (L-XX-XXXX-11)
STA. 25+61.37, A, 53.02' RT

USH 51 & STH 138 INTERSECTION
CITY OF STOUGHTON DANE COUNTY

INST.NO. 5845-01-76

REGION CONTACT:
DESIGNED BY: STRAND
REVISED BY:

PAGE 3 OF 4

PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	LIGHTING	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\023601_LP.DWG
LAYOUT NAME - 023603

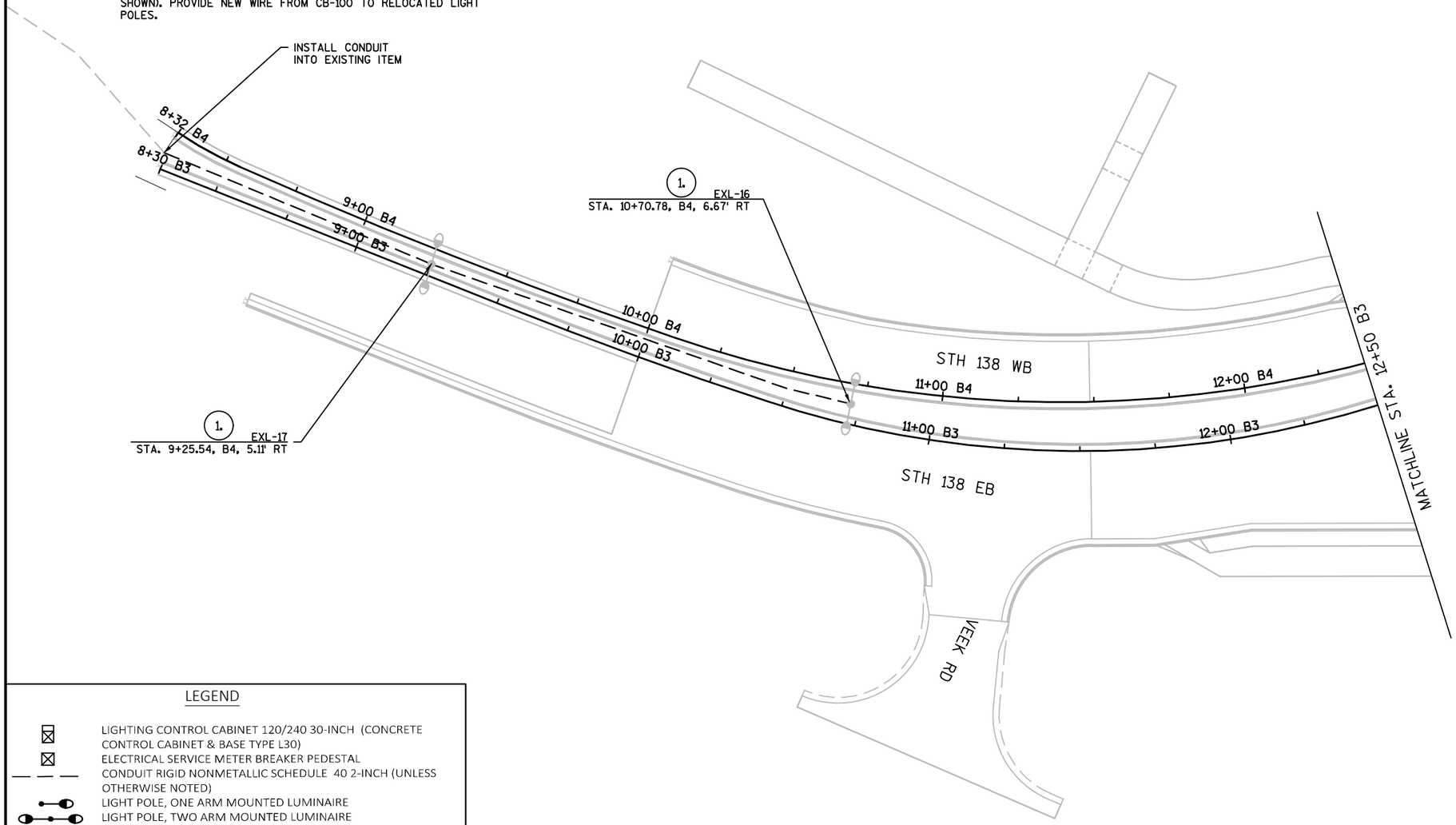
PLOT DATE : 9/1/2020 10:49 AM PLOT BY : BECKER, ELISA PLOT NAME : PLOT SCALE : 1"=40 FT

GENERAL NOTES

1. ALL POLE BASES SHALL BE A MINIMUM 2-FEET FROM EDGE OF SIDEWALK/PAVEMENT, MEASURED FROM THE OUTSIDE EDGE OF THE POLE BASE.

KEY NOTES

(1.) REMOVE AND REINSTALL EXISTING LIGHT POLE. PROVIDE NEW CONCRETE BASE. RECONNECT EXISTING CONDUIT AS REQUIRED. EXISTING LIGHT POLES ARE FED FROM EXISTING LIGHTING CABINET CB100 APPROXIMATELY 300' WEST OF EXISTING LIGHT POLE (NOT SHOWN). PROVIDE NEW WIRE FROM CB-100 TO RELOCATED LIGHT POLES.



LEGEND

- LIGHTING CONTROL CABINET 120/240 30-INCH (CONCRETE CONTROL CABINET & BASE TYPE L30)
- ELECTRICAL SERVICE METER BREAKER PEDESTAL
- CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH (UNLESS OTHERWISE NOTED)
- LIGHT POLE, ONE ARM MOUNTED LUMINAIRE
- LIGHT POLE, TWO ARM MOUNTED LUMINAIRE

LED-C -12 -6 -1 (L - 13-0806-000)

- UNIT NUMBER
- CIRCUIT NUMBERS
- POLE TYPE
- MAST ARM BRACKET LENGTH IN FEET
- LUMINAIRE TYPE
- * INDICATES FIELD NOT APPLICABLE
- SPV INDICATES SPECIAL PROVISION BID ITEM.

PULL BOX NON-CONDUCTIVE 24 X 42-INCH

USH 51 & STH 138 INTERSECTION
CITY OF STOUGHTON DANE COUNTY

INST.NO. 5845-01-76

REGION CONTACT:
DESIGNED BY: STRAND
REVISED BY:

PAGE 4 OF 4

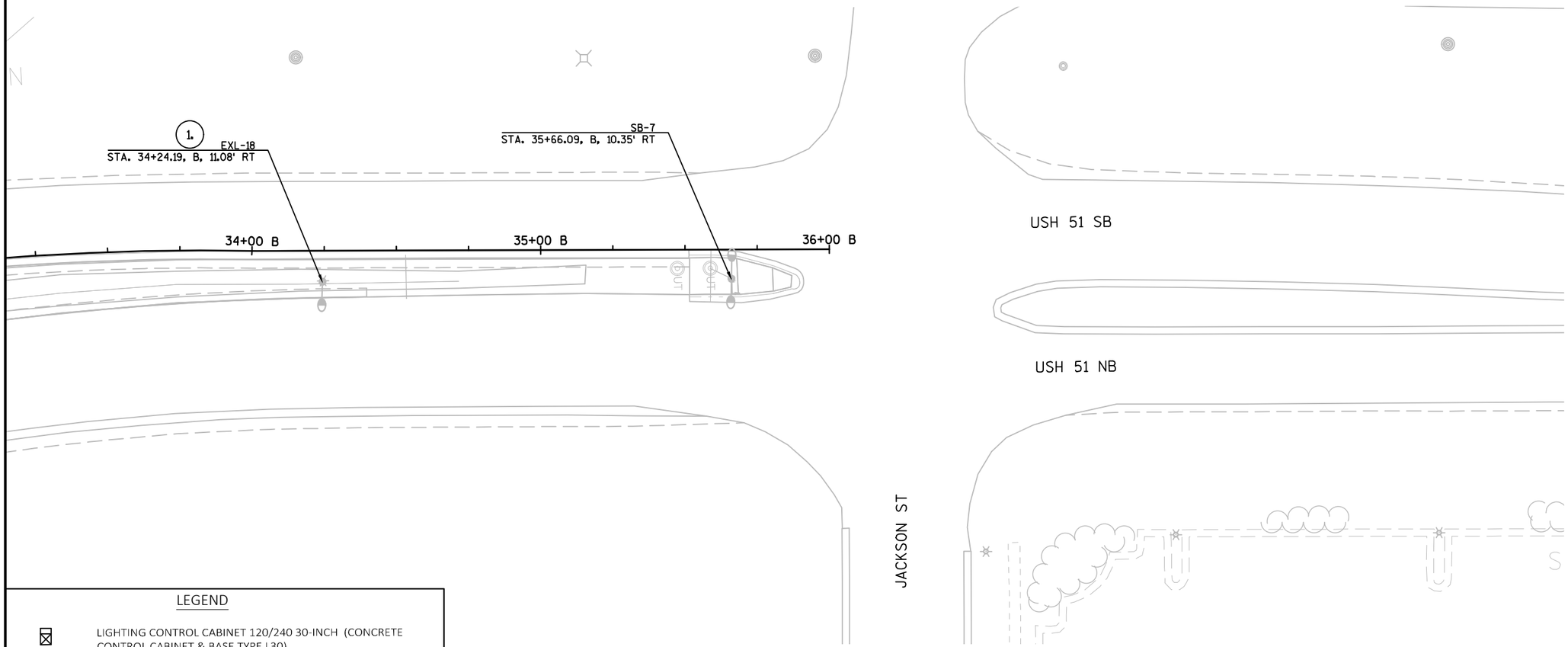
PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	LIGHTING	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\023601_LP.DWG
LAYOUT NAME - 023604

PLOT DATE : 9/1/2020 10:49 AM PLOT BY : BECKER, ELISA PLOT NAME : PLOT SCALE : 1"=40 FT

KEY NOTES

(1) REMOVE AND REINSTALL EXISTING LIGHT POLE. POLE SHALL BE CENTERED IN THE MEDIAN. PROVIDE NEW CONCRETE BASE. RECONNECT EXISTING CONDUIT AS REQUIRED. EXISTING LIGHT POLE IS FED FROM CB1 ON THE NORTHWEST CORNER OF THE INTERSECTION, (NOT SHOWN). PROVIDE NEW CONDUIT AND UF 10AWG W/GROUND FROM EXISTING LIGHT POLE SB-7 TO REINSTALLED LIGHT POLE EXL-18



LEGEND

- LIGHTING CONTROL CABINET 120/240 30-INCH (CONCRETE CONTROL CABINET & BASE TYPE L30)
- ELECTRICAL SERVICE METER BREAKER PEDESTAL
- CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH (UNLESS OTHERWISE NOTED)
- LIGHT POLE, ONE ARM MOUNTED LUMINAIRE
- LIGHT POLE, TWO ARM MOUNTED LUMINAIRE

LED-C 12 6 1 (L - 13-0806-000)

- UNIT NUMBER
- CIRCUIT NUMBERS
- POLE TYPE
- MAST ARM BRACKET LENGTH IN FEET
- LUMINAIRE TYPE
- * INDICATES FIELD NOT APPLICABLE
- SPV INDICATES SPECIAL PROVISION BID ITEM.

PULL BOX NON-CONDUCTIVE 24 X 42-INCH

USH 51 & STH 138 INTERSECTION
CITY OF STOUGHTON DANE COUNTY

INST.NO. 5845-01-76

REGION CONTACT:
DESIGNED BY: STRAND
REVISED BY:

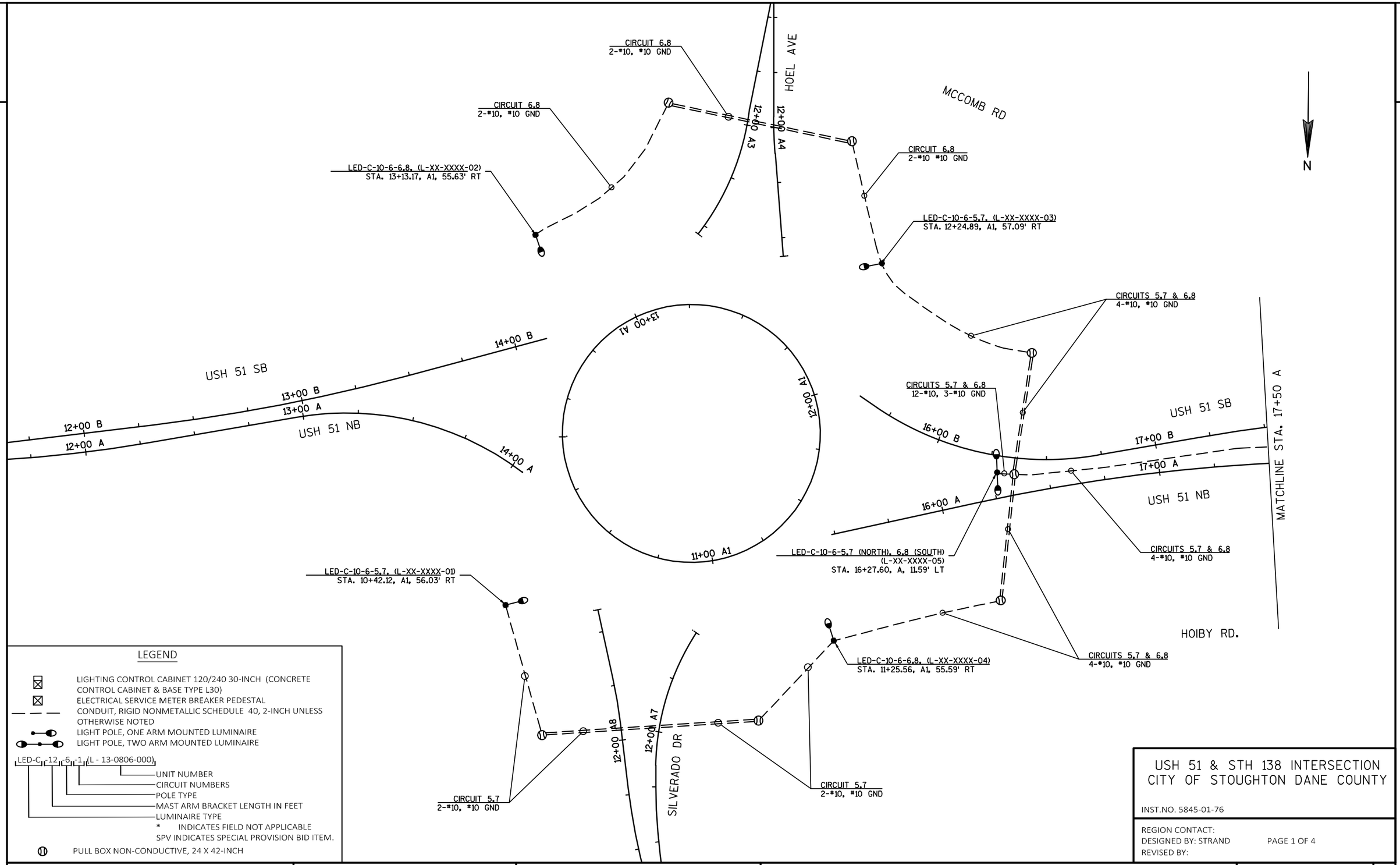
PAGE 4 OF 4

PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	LIGHTING	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\023602_LP.DWG
LAYOUT NAME - 023605

PLOT DATE : 9/1/2020 10:50 AM PLOT BY : BECKER, ELISA PLOT NAME : PLOT SCALE : 1"=40 FT

2



LEGEND

- LIGHTING CONTROL CABINET 120/240 30-INCH (CONCRETE CONTROL CABINET & BASE TYPE L30)
- ELECTRICAL SERVICE METER BREAKER PEDESTAL
- CONDUIT, RIGID NONMETALLIC SCHEDULE 40, 2-INCH UNLESS OTHERWISE NOTED
- LIGHT POLE, ONE ARM MOUNTED LUMINAIRE
- LIGHT POLE, TWO ARM MOUNTED LUMINAIRE

LED-C-12-6-1-(L - 13-0806-000)

- UNIT NUMBER
- CIRCUIT NUMBERS
- POLE TYPE
- MAST ARM BRACKET LENGTH IN FEET
- LUMINAIRE TYPE
- * INDICATES FIELD NOT APPLICABLE
- SPV INDICATES SPECIAL PROVISION BID ITEM.
- PULL BOX NON-CONDUCTIVE, 24 X 42-INCH

USH 51 & STH 138 INTERSECTION
CITY OF STOUGHTON DANE COUNTY

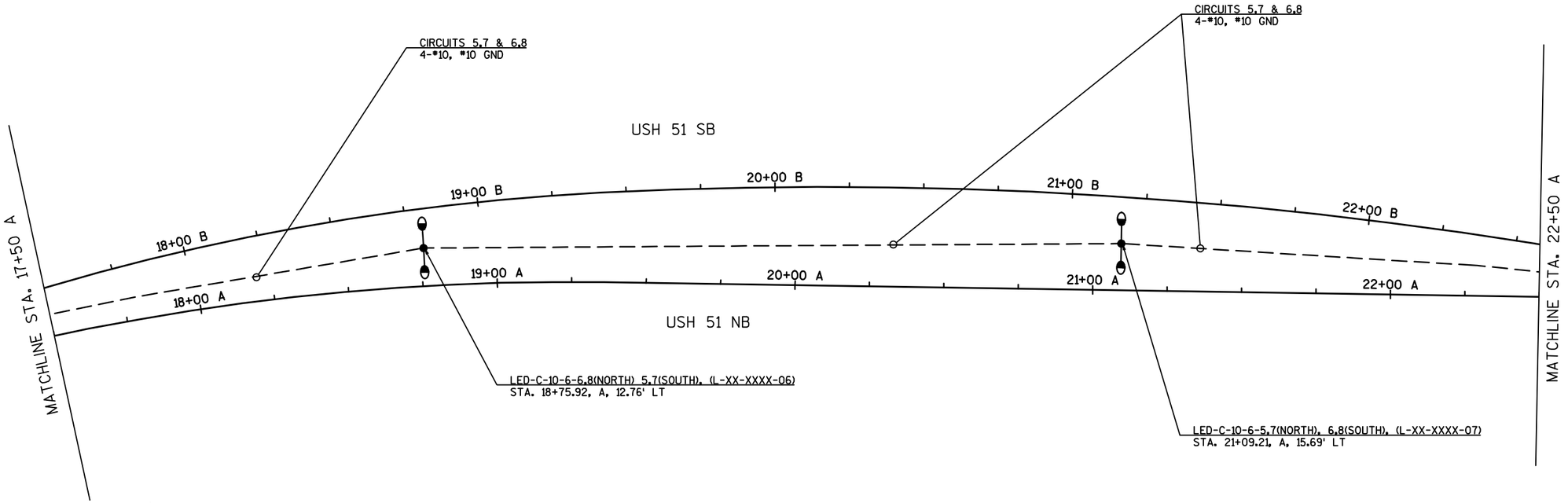
INST.NO. 5845-01-76

REGION CONTACT:
DESIGNED BY: STRAND
REVISED BY:

PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	LIGHTING SCHEMATIC	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\023601_LP_SCHEMATIC.DWG
LAYOUT NAME - 023601_LP_SCHEMATIC - 023601
PLOT DATE : 9/1/2020 10:51 AM PLOT BY : BECKER, ELISA PLOT NAME : PLOT SCALE : 1"=40 FT

2



LEGEND

- LIGHTING CONTROL CABINET 120/240 30-INCH (CONCRETE CONTROL CABINET & BASE TYPE L30)
- ELECTRICAL SERVICE METER BREAKER PEDESTAL
- CONDUIT, RIGID NONMETALLIC SCHEDULE 40, 2-INCH UNLESS OTHERWISE NOTED
- LIGHT POLE, ONE ARM MOUNTED LUMINAIRE
- LIGHT POLE, TWO ARM MOUNTED LUMINAIRE

LED-C-12-6-1-(L - 13-0806-000)

- UNIT NUMBER
- CIRCUIT NUMBERS
- POLE TYPE
- MAST ARM BRACKET LENGTH IN FEET
- LUMINAIRE TYPE
- * INDICATES FIELD NOT APPLICABLE
- SPV INDICATES SPECIAL PROVISION BID ITEM.

- PULL BOX NON-CONDUCTIVE, 24 X 42-INCH

USH 51 & STH 138 INTERSECTION
CITY OF STOUGHTON DANE COUNTY

INST.NO. 5845-01-76

REGION CONTACT:
DESIGNED BY: STRAND
REVISED BY:

PAGE 2 OF 4

PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	LIGHTING SCHEMATIC	SHEET	E

2

LEGEND

- LIGHTING CONTROL CABINET 120/240 30-INCH (CONCRETE CONTROL CABINET & BASE TYPE L30)
- ELECTRICAL SERVICE METER BREAKER PEDESTAL
- CONDUIT, RIGID NONMETALLIC SCHEDULE 40, 2-INCH UNLESS OTHERWISE NOTED
- LIGHT POLE, ONE ARM MOUNTED LUMINAIRE
- LIGHT POLE, TWO ARM MOUNTED LUMINAIRE

LED-C-12-6-1-(L - 13-0806-000)

- UNIT NUMBER
- CIRCUIT NUMBERS
- POLE TYPE
- MAST ARM BRACKET LENGTH IN FEET
- LUMINAIRE TYPE
- * INDICATES FIELD NOT APPLICABLE

SPV INDICATES SPECIAL PROVISION BID ITEM.

- PULL BOX NON-CONDUCTIVE, 24 X 42-INCH

N

LED-C-10-6-2.4, (L-XX-XXXX-14)
STA. 12+84.34, B3, 30.13' RT

CIRCUIT 2.4
4-#10, 2-#10 GND

CIRCUITS 1,3 & 2,4
4-#10, #10 GND

LED-C-10-6-1,3, (L-XX-XXXX-10)
STA. 11+33.64, B1, 44.60' RT

CIRCUITS 1,3 & 2,4
4-#10 2-#10 GND

CIRCUITS 1,3 & 2,4 & 5,7 & 6,8
12-#10, #10 GND

LC-1

CIRCUITS 1,3 & 2,4 & 5,7, & 6,8
8-#10, #10 GND

CIRCUITS 5,7 & 6,8
4-#10, 2-#10 GND

CIRCUITS 5,7 & 6,8
4-#10, #10 GND

STH 138 EB

STH 138 WB

13+00 B3

13+00 B4

CIRCUITS 1,3 & 2,4
4-#10, #10 GND

LED-C-10-6-1,3, (L-XX-XXXX-13)
STA. 10+32.57, B1, 55.60' RT

CIRCUIT 2.4
2-#10, #10 GND

LED-C-10-6-2.4, (L-XX-XXXX-12)
STA. 26+77.60, B, 48.24' LT

11+00 B1

12+00 B1

13+00 B1

24+00 B

24+00 A

23+00 B

23+00 A

26+00 B

26+00 A

27+00 B

27+00 A

28+00 B

28+00 A

USH 51 SB

USH 51 NB

MATCHLINE STA. 22+50 A

LED-C-10-6-6,8 (NORTH) 5,7(SOUTH)
(L-XX-XXXX-08)
STA. 23+39.08, A, 8.17' LT

CIRCUITS 1,3 & 2,4
4-#10, #10 GND

LED-C-10-6-2.4, (L-XX-XXXX-09)
STA. 12+35.71, B1, 54.54' RT

LED-C-10-6-1,3, (L-XX-XXXX-11)
STA. 25+61.37, A, 53.02' RT

CIRCUIT 2.4
2-#10, #10 GND

LED-C-10-6-2.4, (L-XX-XXXX-15)
STA. 28+19.15, A, 39.18' RT

USH 51 & STH 138 INTERSECTION
CITY OF STOUGHTON DANE COUNTY

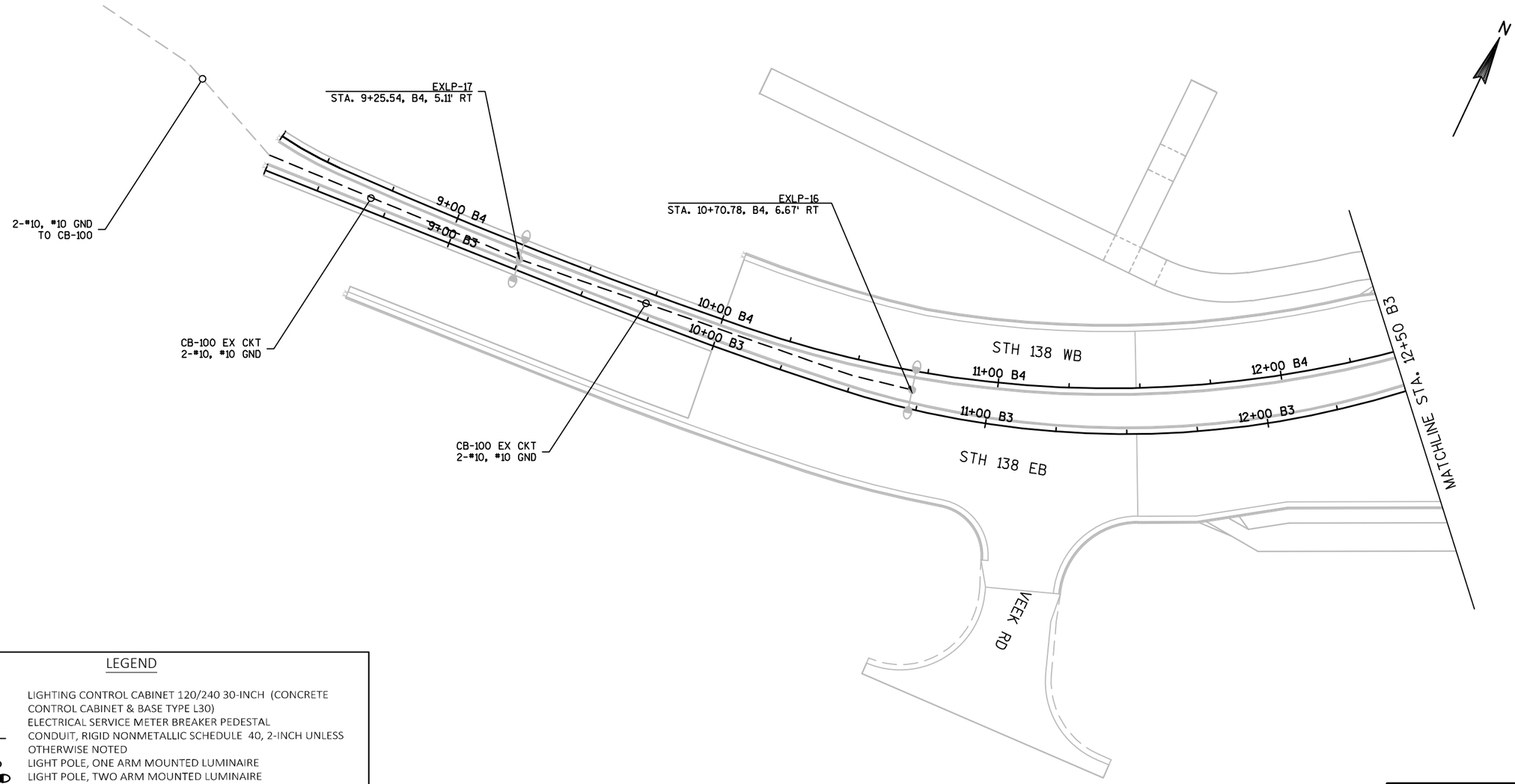
INST.NO. 5845-01-76

REGION CONTACT:
DESIGNED BY: STRAND
REVISED BY:

PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	LIGHTING SCHEMATIC	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\023601_LP_SCHEMATIC.DWG
LAYOUT NAME - 023601_LP_SCHEMATIC - 023603
PLOT DATE : 9/1/2020 10:51 AM PLOT BY : BECKER, ELISA PLOT NAME : PLOT SCALE : 1"=40 FT
WISDOT/CADDS SHEET 44

2



LEGEND

- LIGHTING CONTROL CABINET 120/240 30-INCH (CONCRETE CONTROL CABINET & BASE TYPE L30)
- ELECTRICAL SERVICE METER BREAKER PEDESTAL
- CONDUIT, RIGID NONMETALLIC SCHEDULE 40, 2-INCH UNLESS OTHERWISE NOTED
- LIGHT POLE, ONE ARM MOUNTED LUMINAIRE
- LIGHT POLE, TWO ARM MOUNTED LUMINAIRE

LED-C -12 -6 -1 (L - 13-0806-000)

- UNIT NUMBER
- CIRCUIT NUMBERS
- POLE TYPE
- MAST ARM BRACKET LENGTH IN FEET
- LUMINAIRE TYPE
- * INDICATES FIELD NOT APPLICABLE
- SPV INDICATES SPECIAL PROVISION BID ITEM.

- PULL BOX NON-CONDUCTIVE, 24 X 42-INCH

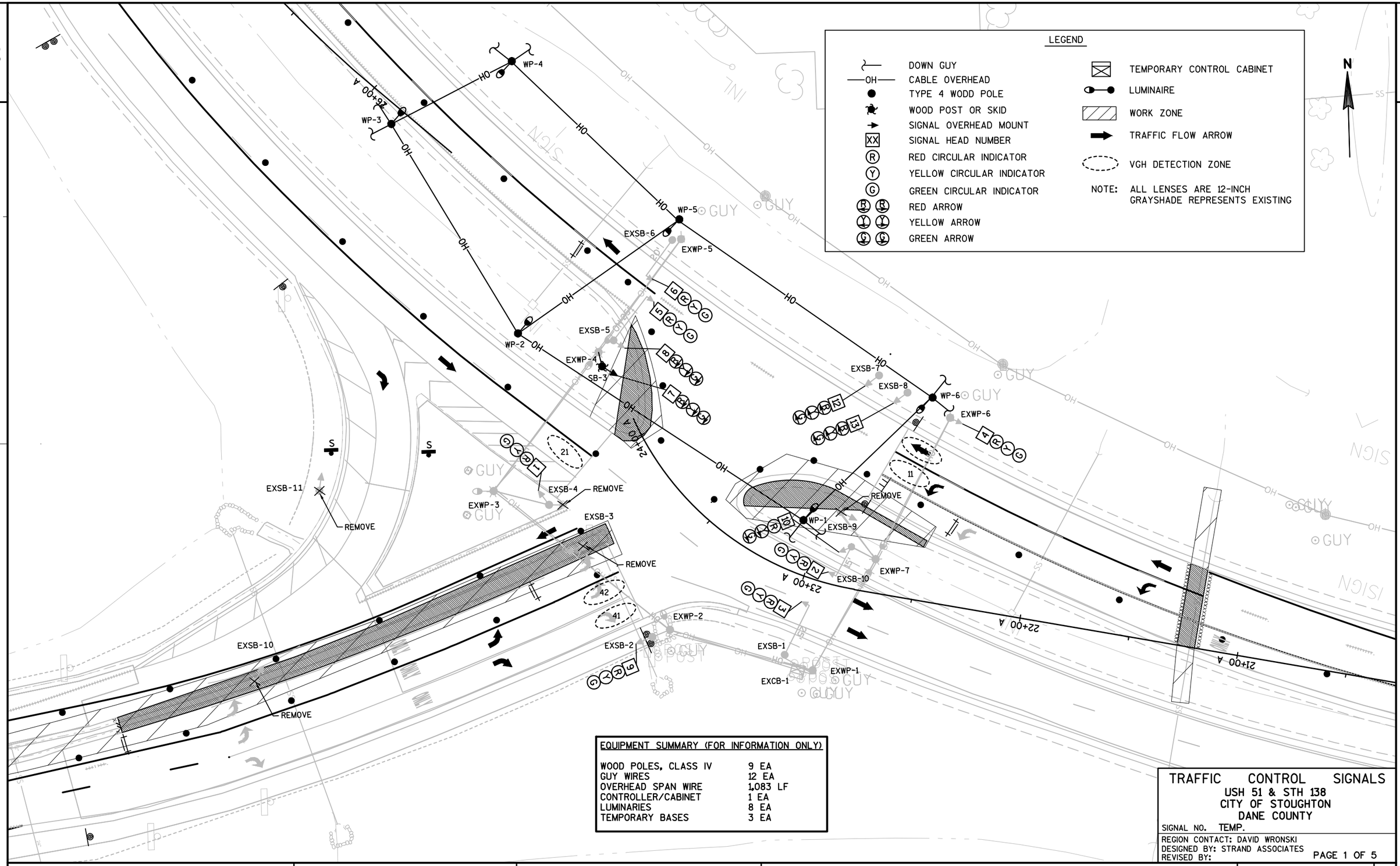
USH 51 & STH 138 INTERSECTION
CITY OF STOUGHTON DANE COUNTY

INST.NO. 5845-01-76

REGION CONTACT:
DESIGNED BY: STRAND
REVISED BY:

PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	LIGHTING SCHEMATIC	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\023601_LP_SCHEMATIC.DWG
LAYOUT NAME - 023601_LP_SCHEMATIC - 023604
PLOT DATE : 9/1/2020 10:51 AM PLOT BY : BECKER, ELISA PLOT NAME : PLOT SCALE : 1"=40 FT
WISDOT/CADDS SHEET 44



EQUIPMENT SUMMARY (FOR INFORMATION ONLY)	
WOOD POLES, CLASS IV	9 EA
GUY WIRES	12 EA
OVERHEAD SPAN WIRE	1,083 LF
CONTROLLER/CABINET	1 EA
LUMINARIES	8 EA
TEMPORARY BASES	3 EA

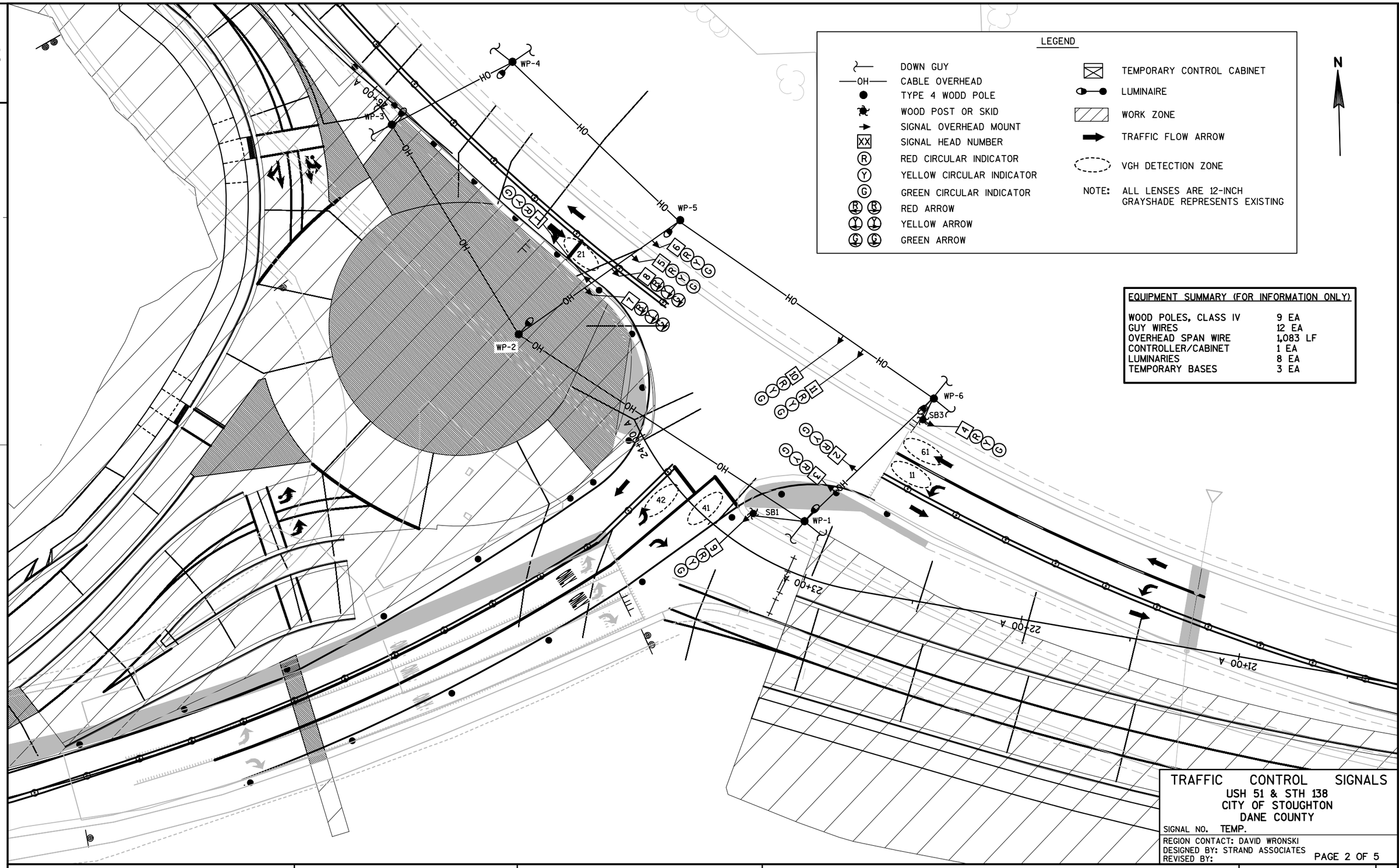
TRAFFIC CONTROL SIGNALS
USH 51 & STH 138
CITY OF STOUGHTON
DANE COUNTY

SIGNAL NO. TEMP.

REGION CONTACT: DAVID WRONSKI
DESIGNED BY: STRAND ASSOCIATES
REVISED BY:

PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 1	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\024001_TSP.DWG
LAYOUT NAME - 024000_SP
PLOT DATE : 10/17/2013 2:35 PM PLOT BY : SCHAUB, ALEX PLOT NAME : ---------- PLOT SCALE : **********
WISDOT/CADDS SHEET 42



PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 2A	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\024002_TSP.DWG
LAYOUT NAME - 024002_SP

PLOT DATE : 10/17/2013 2:35 PM PLOT BY : SCHAUB, ALEX PLOT NAME : _____ PLOT SCALE : *********

WISDOT/CADDS SHEET 42

EQUIPMENT SUMMARY (FOR INFORMATION ONLY)	
WOOD POLES, CLASS IV	9 EA
GUY WIRES	15 EA
OVERHEAD SPAN WIRE	1,085 LF
CONTROLLER/CABINET	1 EA
LUMINARIES	8 EA
TEMPORARY BASES	3 EA

LEGEND

DOWN GUY	TEMPORARY CONTROL CABINET
CABLE OVERHEAD	LUMINAIRE
TYPE 4 WOOD POLE	WORK ZONE
WOOD POST OR SKID	TRAFFIC FLOW ARROW
SIGNAL OVERHEAD MOUNT	VGH DETECTION ZONE
SIGNAL HEAD NUMBER	NOTE: ALL LENSES ARE 12-INCH GRAYSHADE REPRESENTS EXISTING
RED CIRCULAR INDICATOR	
YELLOW CIRCULAR INDICATOR	
GREEN CIRCULAR INDICATOR	
RED ARROW	
YELLOW ARROW	
GREEN ARROW	

N

WP-1 WP-2 WP-3 WP-4 WP-5 WP-6 WP-7 WP-8 WP-9 SB-1 SB-2

21 42 41 61 11

26+00 A 24+00 A 23+00 A 22+00 A 21+00 A

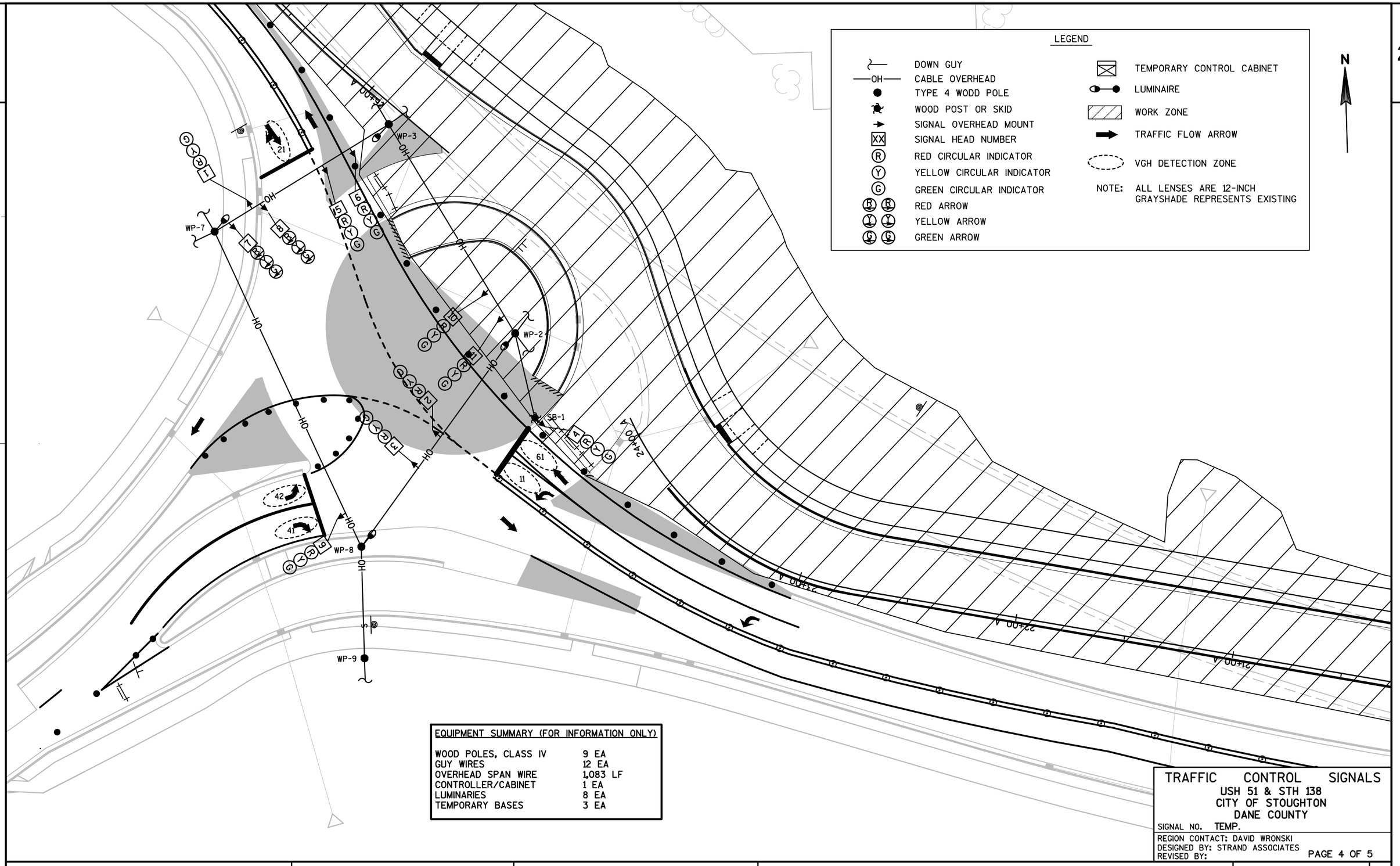
TRAFFIC CONTROL SIGNALS
USH 51 & STH 138
CITY OF STOUGHTON
DANE COUNTY

SIGNAL NO. TEMP.

REGION CONTACT: DAVID WRONSKI
DESIGNED BY: STRAND ASSOCIATES
REVISED BY:

PAGE 3 OF 5

PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 2B & 2C	SHEET	E



EQUIPMENT SUMMARY (FOR INFORMATION ONLY)	
WOOD POLES, CLASS IV	9 EA
GUY WIRES	12 EA
OVERHEAD SPAN WIRE	1,083 LF
CONTROLLER/CABINET	1 EA
LUMINARIES	8 EA
TEMPORARY BASES	3 EA

TRAFFIC CONTROL SIGNALS
USH 51 & STH 138
CITY OF STOUGHTON
DANE COUNTY

SIGNAL NO. TEMP.

REGION CONTACT: DAVID WRONSKI
DESIGNED BY: STRAND ASSOCIATES
REVISED BY:

PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 3	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\024004_TSP.DWG
LAYOUT NAME - 024004_SP
PLOT DATE : 10/17/2013 2:35 PM PLOT BY : SCHAUB, ALEX PLOT NAME : _____ PLOT SCALE : *********
WISDOT/CADDS SHEET 42

SEQUENCE OF OPERATION

RING 1

	HEAD NUMBERS	02 R/W	02 CLEAR TO **	01 R/W	01 CLEAR TO **	03 R/W	03 CLEAR TO **	04 R/W	04 CLEAR TO **	FLASH
01	7,8	G Y R		R	R R			R	R R	R
02	1-3	R R R		G	Y R			R	R R	R
03										
04	9-11	R R R		R	R R			G	Y R	R
05										
06	4-6	R R R		R	R R			R	R R	R
07										
08										
01P										
02P										
04P										
06P										
08P										

RING 2

	HEAD NUMBERS	05 R/W	05 CLEAR TO **	06 R/W	06 CLEAR TO **	07 R/W	07 CLEAR TO **	08 R/W	08 CLEAR TO **
01	7,8			R	R R				
02	1-3			R	R R				
03									
04	9-11			R	R R				
05									
06	4-6			G	Y R				
07									
08									
02P									
04P									
06P									
08P									

NOT USED

NOT USED

NOT USED

NOT USED

BARRIER

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

* WHEN CALLED, TIMED STEADY WALK,THEN FLASHING DON'T WALK, THEN GOES TO STEADY DON'T WALK

CONTROLLER LOGIC

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

OVERLAPS

O.L. "A" =
O.L. "B" =
O.L. "C" =
O.L. "D" =

NONE

TYPE OF INTERCONNECT COMMUNICATION	
NONE	X
TBC	
CLOSED LOOP TWISTED PAIR*	
CLOSED LOOP FIBER OPTIC*	
RADIO	
*LOCATION OF MASTER CONTROLLER NO:	S-
SIGNAL SYSTEM *:	SS- -

TYPE OF PRE-EMPT	
NONE	X
RAILROAD	
EMERGENCY VEHICLE	
3M	
TOMAR	
HARDWIRE	
OTHER	
LIFT BRIDGE	
QUEUE DETECTOR	

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

N

GENERAL NOTES:

1. WHEN ONE PHASE IS ON ALONE, ANY NONCONFLICTING PHASE MAY START TIMING CONCURRENTLY WITHOUT A CLEARANCE INTERVAL. (SEE CHART 1).

CHART 1

PHASE ON	NONCONFLICTING PHASE ALLOWED TO TIME CONCURRENTLY	PHASES IN CONFLICT WITH PHASE ON
1	6	2,3,4,5
2	5 OR 6	1,3,4
3	NONE	1,2,4,5,6
4	NONE	1,2,5,6,8
5	2	1,3,4,6
6	1 OR 2	3,4,5
7		
8		

USH 51 & STH 138
CITY OF STOUGHTON
DANE COUNTY

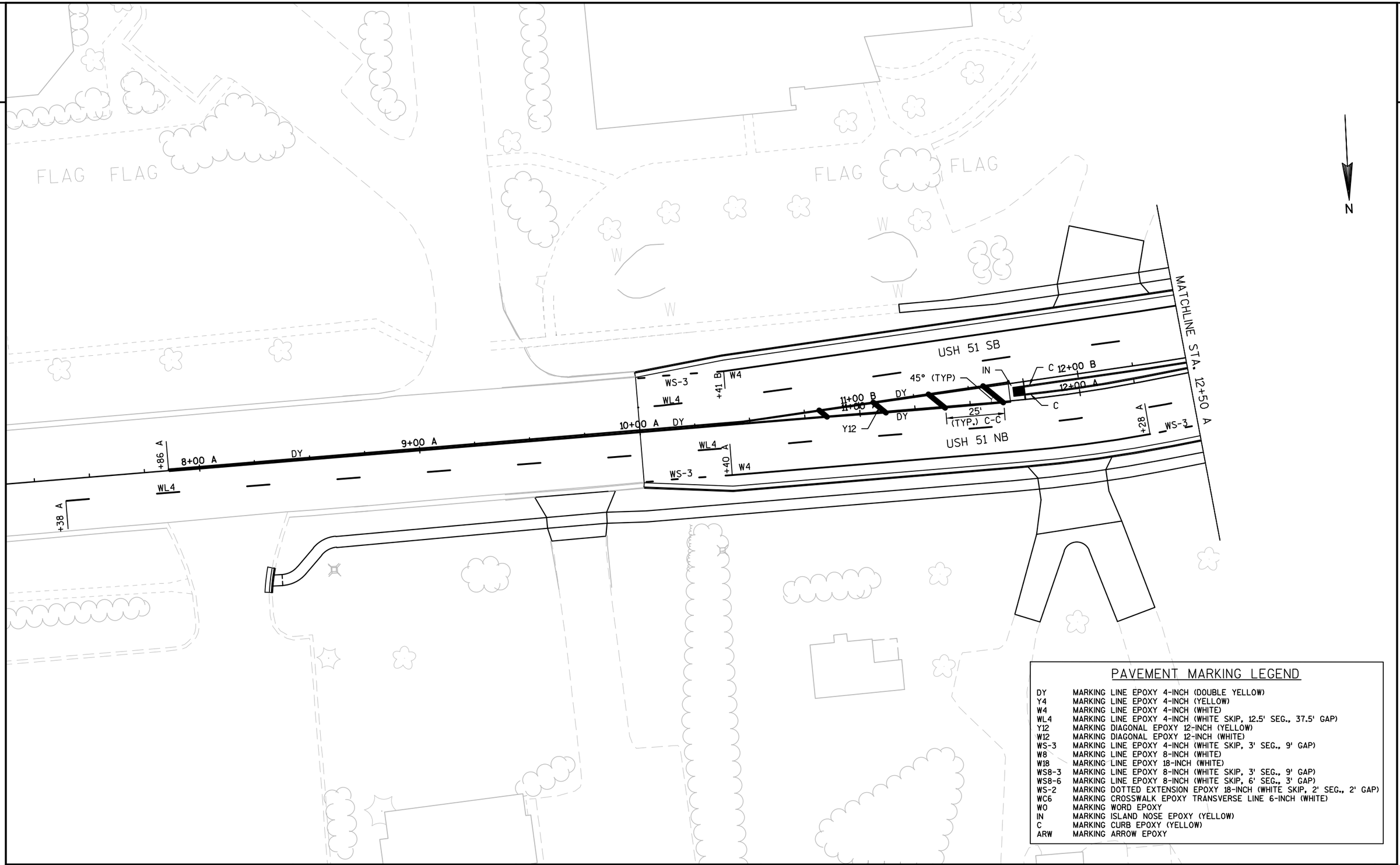
SIGNAL NO. TEMP

REGION CONTACT: DAVID WRONSKI
DESIGNED BY: STRAND ASSOCIATES
REVISED BY:

PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	SEQUENCE OF OPERATIONS - STAGE 1 TO STAGE 3	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\024005_TSP.DWG
LAYOUT NAME - 024005_TSP - 024021_SP
PLOT DATE : 10/17/2013 2:35 PM PLOT BY : SCHAUB, ALEX PLOT NAME : ---------- PLOT SCALE : **********
WISDOT/CADDS SHEET 42

2



PAVEMENT MARKING LEGEND

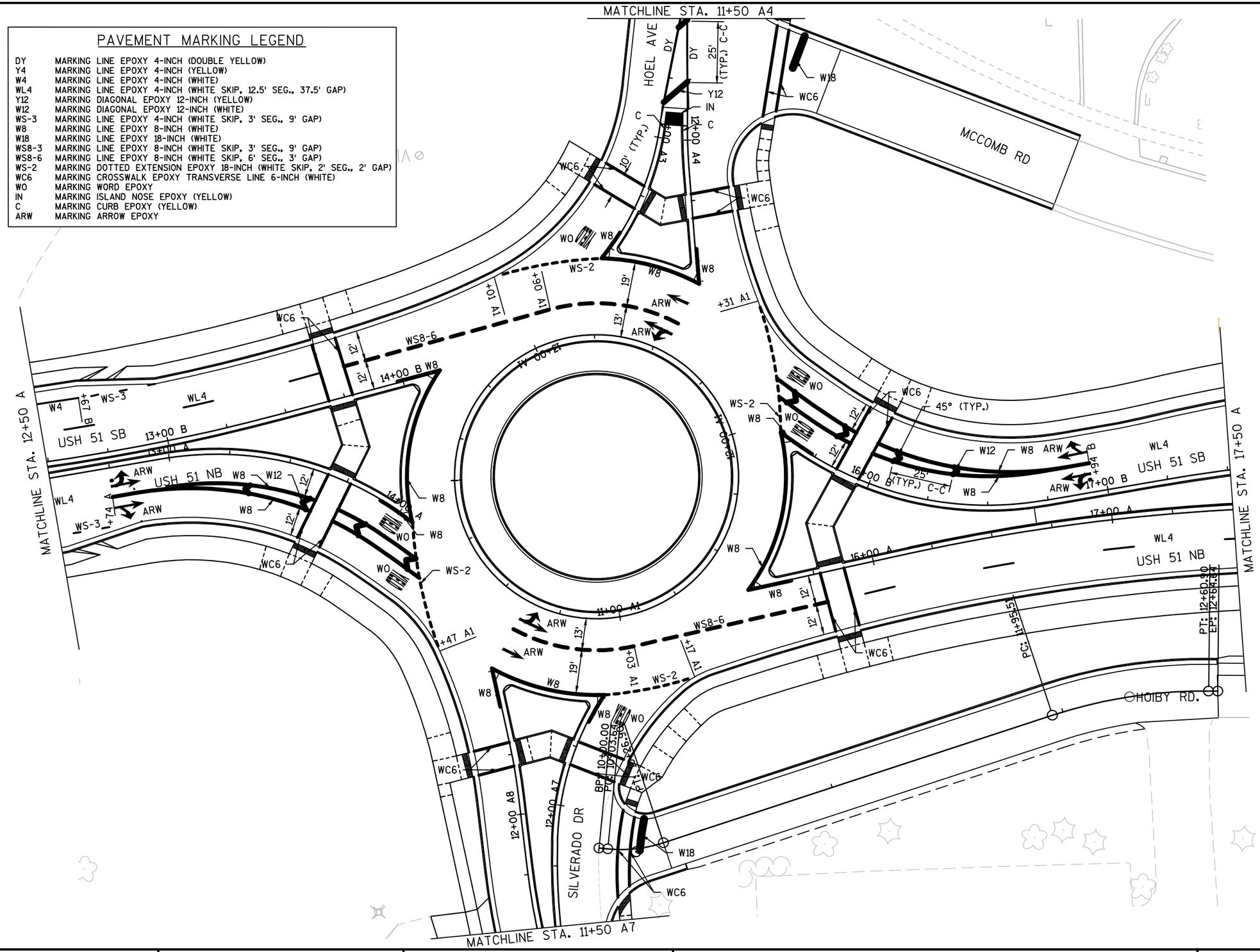
DY	MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
Y4	MARKING LINE EPOXY 4-INCH (YELLOW)
W4	MARKING LINE EPOXY 4-INCH (WHITE)
WL4	MARKING LINE EPOXY 4-INCH (WHITE SKIP, 12.5' SEG., 37.5' GAP)
Y12	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
W12	MARKING DIAGONAL EPOXY 12-INCH (WHITE)
WS-3	MARKING LINE EPOXY 4-INCH (WHITE SKIP, 3' SEG., 9' GAP)
W8	MARKING LINE EPOXY 8-INCH (WHITE)
W18	MARKING LINE EPOXY 18-INCH (WHITE)
WS8-3	MARKING LINE EPOXY 8-INCH (WHITE SKIP, 3' SEG., 9' GAP)
WS8-6	MARKING LINE EPOXY 8-INCH (WHITE SKIP, 6' SEG., 3' GAP)
WS-2	MARKING DOTTED EXTENSION EPOXY 18-INCH (WHITE SKIP, 2' SEG., 2' GAP)
WC6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
WO	MARKING WORD EPOXY
IN	MARKING ISLAND NOSE EPOXY (YELLOW)
C	MARKING CURB EPOXY (YELLOW)
ARW	MARKING ARROW EPOXY

PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	PAVEMENT MARKING	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\024501_PM.DWG
LAYOUT NAME - 024501
PLOT DATE : 8/31/2020 3:50 PM
PLOT BY : SCHAUB, ALEX
PLOT NAME :
PLOT SCALE : **********

PAVEMENT MARKING LEGEND

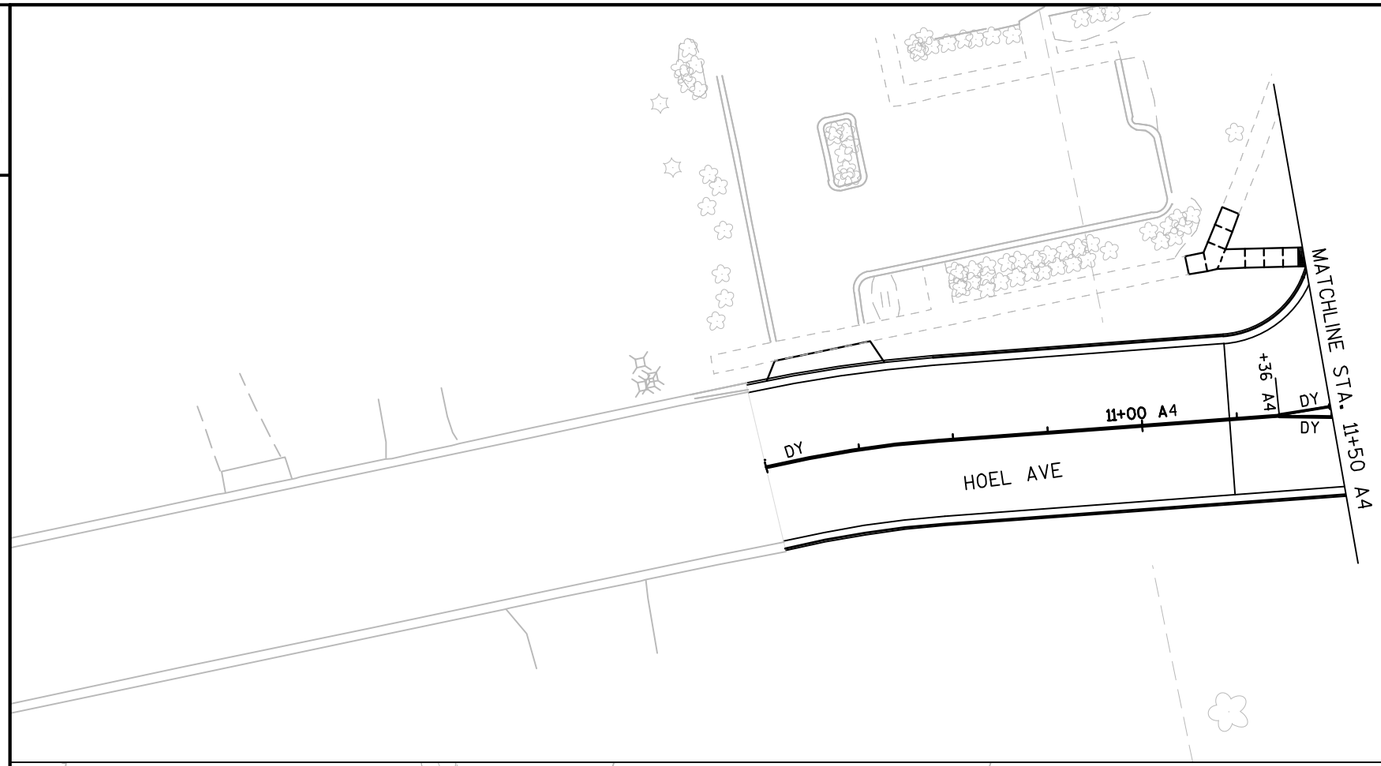
DY	MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
Y4	MARKING LINE EPOXY 4-INCH (YELLOW)
W4	MARKING LINE EPOXY 4-INCH (WHITE)
WL4	MARKING LINE EPOXY 4-INCH (WHITE SKIP, 12.5' SEG., 37.5' GAP)
Y12	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
W12	MARKING DIAGONAL EPOXY 12-INCH (WHITE)
WS-3	MARKING LINE EPOXY 4-INCH (WHITE SKIP, 3' SEG., 9' GAP)
W8	MARKING LINE EPOXY 8-INCH (WHITE)
W18	MARKING LINE EPOXY 18-INCH (WHITE)
WS8-3	MARKING LINE EPOXY 8-INCH (WHITE SKIP, 3' SEG., 9' GAP)
WS8-6	MARKING LINE EPOXY 8-INCH (WHITE SKIP, 6' SEG., 3' GAP)
WS-2	MARKING DOTTED EXTENSION EPOXY 18-INCH (WHITE SKIP, 2' SEG., 2' GAP)
WC6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
WO	MARKING WORD EPOXY
IN	MARKING ISLAND NOSE EPOXY (YELLOW)
C	MARKING CURB EPOXY (YELLOW)
ARW	MARKING ARROW EPOXY

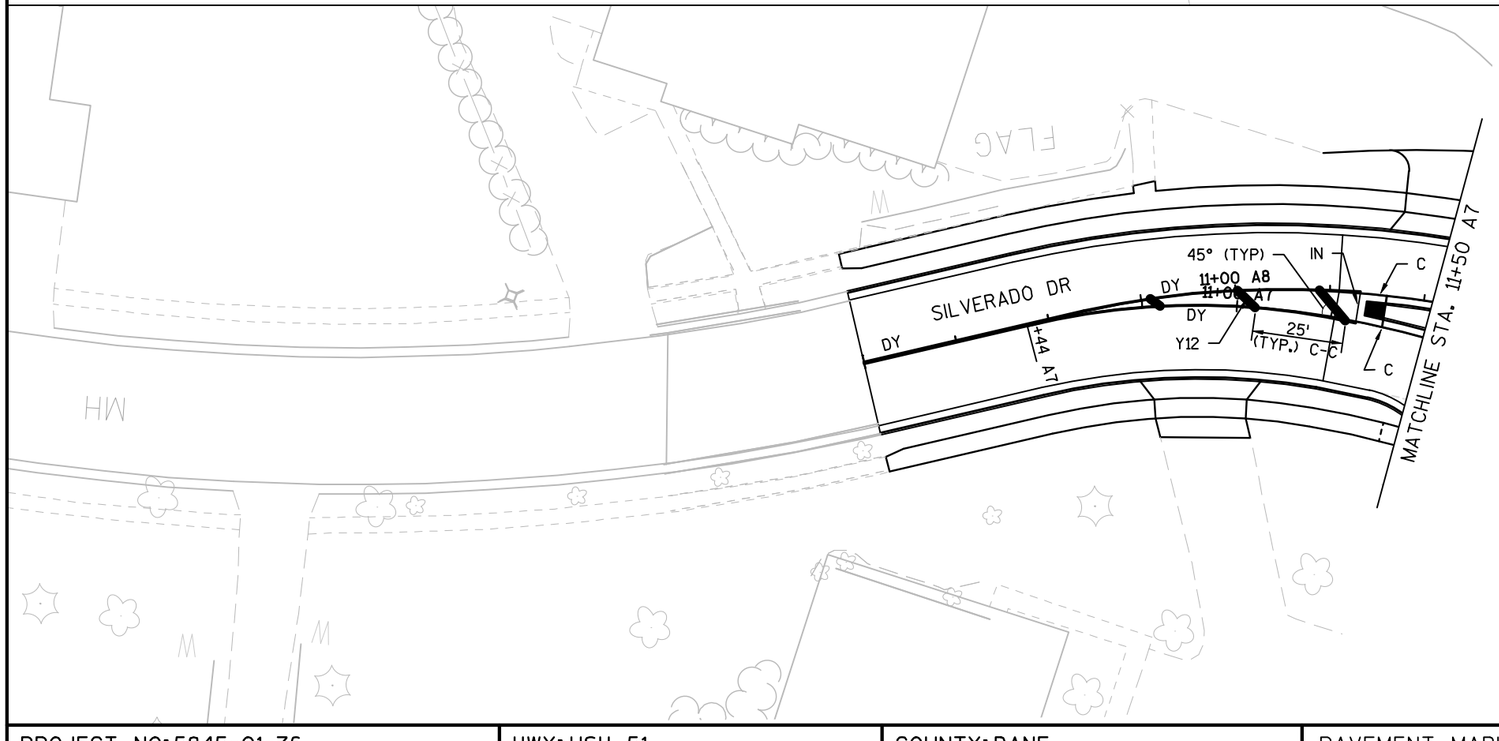


PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	PAVEMENT MARKING	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\024501_PM.DWG
LAYOUT NAME - 024502
PLOT DATE : 9/1/2020 1:28 PM PLOT BY : LYNCH, CHRIS PLOT NAME : PLOT SCALE : ******

2





PAVEMENT MARKING LEGEND

DY	MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
Y4	MARKING LINE EPOXY 4-INCH (YELLOW)
W4	MARKING LINE EPOXY 4-INCH (WHITE)
WL4	MARKING LINE EPOXY 4-INCH (WHITE SKIP, 12.5' SEG., 37.5' GAP)
Y12	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
W12	MARKING DIAGONAL EPOXY 12-INCH (WHITE)
WS-3	MARKING LINE EPOXY 4-INCH (WHITE SKIP, 3' SEG., 9' GAP)
W8	MARKING LINE EPOXY 8-INCH (WHITE)
W18	MARKING LINE EPOXY 18-INCH (WHITE)
WS8-3	MARKING LINE EPOXY 8-INCH (WHITE SKIP, 3' SEG., 9' GAP)
WS8-6	MARKING LINE EPOXY 8-INCH (WHITE SKIP, 6' SEG., 3' GAP)
WS-2	MARKING DOTTED EXTENSION EPOXY 18-INCH (WHITE SKIP, 2' SEG., 2' GAP)
WC6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
WO	MARKING WORD EPOXY
IN	MARKING ISLAND NOSE EPOXY (YELLOW)
C	MARKING CURB EPOXY (YELLOW)
ARW	MARKING ARROW EPOXY

PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	PAVEMENT MARKING	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\024501_PM.DWG
LAYOUT NAME - 024503
PLOT DATE : 8/31/2020 3:51 PM PLOT BY : SCHAUB, ALEX PLOT NAME : PLOT SCALE : **********

2

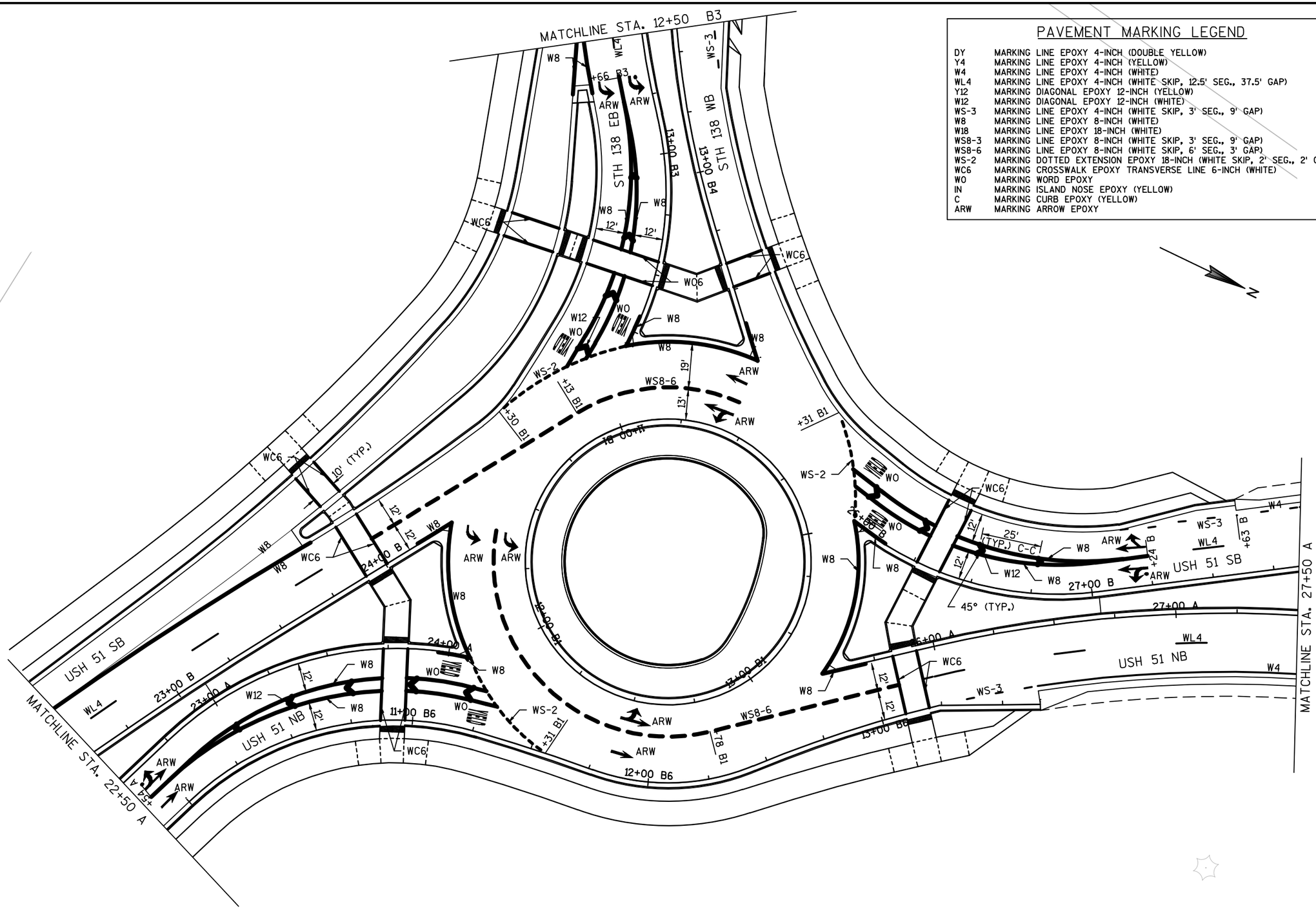
PAVEMENT MARKING LEGEND

DY	MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
Y4	MARKING LINE EPOXY 4-INCH (YELLOW)
W4	MARKING LINE EPOXY 4-INCH (WHITE)
WL4	MARKING LINE EPOXY 4-INCH (WHITE SKIP, 12.5' SEG., 37.5' GAP)
Y12	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
W12	MARKING DIAGONAL EPOXY 12-INCH (WHITE)
WS-3	MARKING LINE EPOXY 4-INCH (WHITE SKIP, 3' SEG., 9' GAP)
W8	MARKING LINE EPOXY 8-INCH (WHITE)
W18	MARKING LINE EPOXY 18-INCH (WHITE)
WS8-3	MARKING LINE EPOXY 8-INCH (WHITE SKIP, 3' SEG., 9' GAP)
WS8-6	MARKING LINE EPOXY 8-INCH (WHITE SKIP, 6' SEG., 3' GAP)
WS-2	MARKING DOTTED EXTENSION EPOXY 18-INCH (WHITE SKIP, 2' SEG., 2' GAP)
WC6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
WO	MARKING WORD EPOXY
IN	MARKING ISLAND NOSE EPOXY (YELLOW)
C	MARKING CURB EPOXY (YELLOW)
ARW	MARKING ARROW EPOXY

2

PAVEMENT MARKING LEGEND

DY	MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
Y4	MARKING LINE EPOXY 4-INCH (YELLOW)
W4	MARKING LINE EPOXY 4-INCH (WHITE)
WL4	MARKING LINE EPOXY 4-INCH (WHITE SKIP, 12.5' SEG., 37.5' GAP)
Y12	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
W12	MARKING DIAGONAL EPOXY 12-INCH (WHITE)
WS-3	MARKING LINE EPOXY 4-INCH (WHITE SKIP, 3' SEG., 9' GAP)
W8	MARKING LINE EPOXY 8-INCH (WHITE)
W18	MARKING LINE EPOXY 18-INCH (WHITE)
WS8-3	MARKING LINE EPOXY 8-INCH (WHITE SKIP, 3' SEG., 9' GAP)
WS8-6	MARKING LINE EPOXY 8-INCH (WHITE SKIP, 6' SEG., 3' GAP)
WS-2	MARKING DOTTED EXTENSION EPOXY 18-INCH (WHITE SKIP, 2' SEG., 2' GAP)
WC6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
WO	MARKING WORD EPOXY
IN	MARKING ISLAND NOSE EPOXY (YELLOW)
C	MARKING CURB EPOXY (YELLOW)
ARW	MARKING ARROW EPOXY



PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	PAVEMENT MARKING	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\024501_PM.DWG
LAYOUT NAME - 024505
PLOT DATE : 8/31/2020 3:51 PM PLOT BY : SCHAUB, ALEX PLOT NAME : PLOT SCALE : **********

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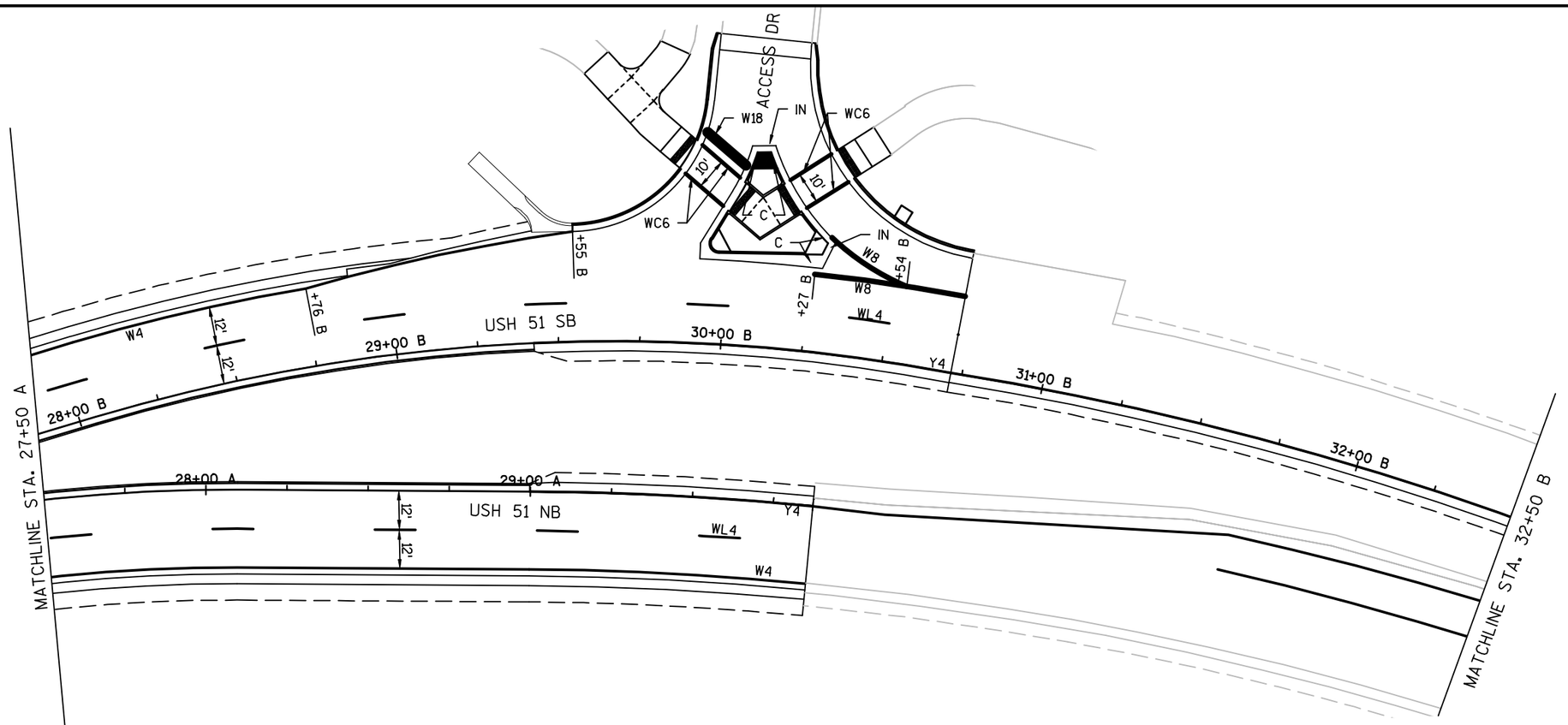

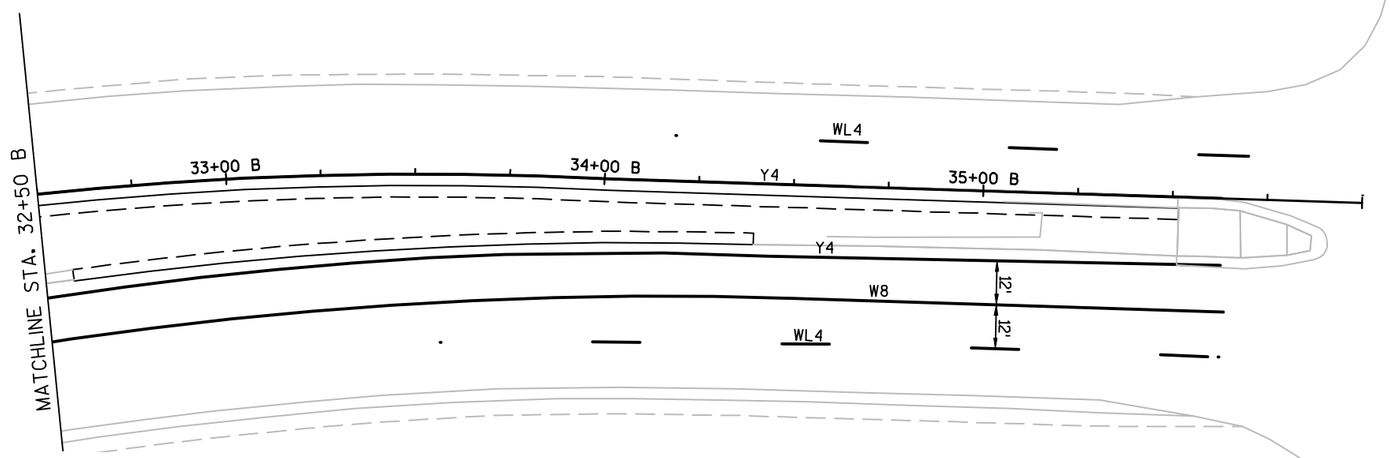

PAVEMENT MARKING LEGEND

DY	MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
Y4	MARKING LINE EPOXY 4-INCH (YELLOW)
W4	MARKING LINE EPOXY 4-INCH (WHITE)
WL4	MARKING LINE EPOXY 4-INCH (WHITE SKIP, 12.5' SEG., 37.5' GAP)
Y12	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
W12	MARKING DIAGONAL EPOXY 12-INCH (WHITE)
WS-3	MARKING LINE EPOXY 4-INCH (WHITE SKIP, 3' SEG., 9' GAP)
W8	MARKING LINE EPOXY 8-INCH (WHITE)
W18	MARKING LINE EPOXY 18-INCH (WHITE)
WS8-3	MARKING LINE EPOXY 8-INCH (WHITE SKIP, 3' SEG., 9' GAP)
WS8-6	MARKING LINE EPOXY 8-INCH (WHITE SKIP, 6' SEG., 3' GAP)
WS-2	MARKING DOTTED EXTENSION EPOXY 18-INCH (WHITE SKIP, 2' SEG., 2' GAP)
WC6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
WO	MARKING WORD EPOXY
IN	MARKING ISLAND NOSE EPOXY (YELLOW)
C	MARKING CURB EPOXY (YELLOW)
ARW	MARKING ARROW EPOXY

PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	PAVEMENT MARKING	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\024501_PM.DWG
LAYOUT NAME - 024506
PLOT DATE : 8/31/2020 3:52 PM PLOT BY : SCHAUB, ALEX PLOT NAME : PLOT SCALE : **********

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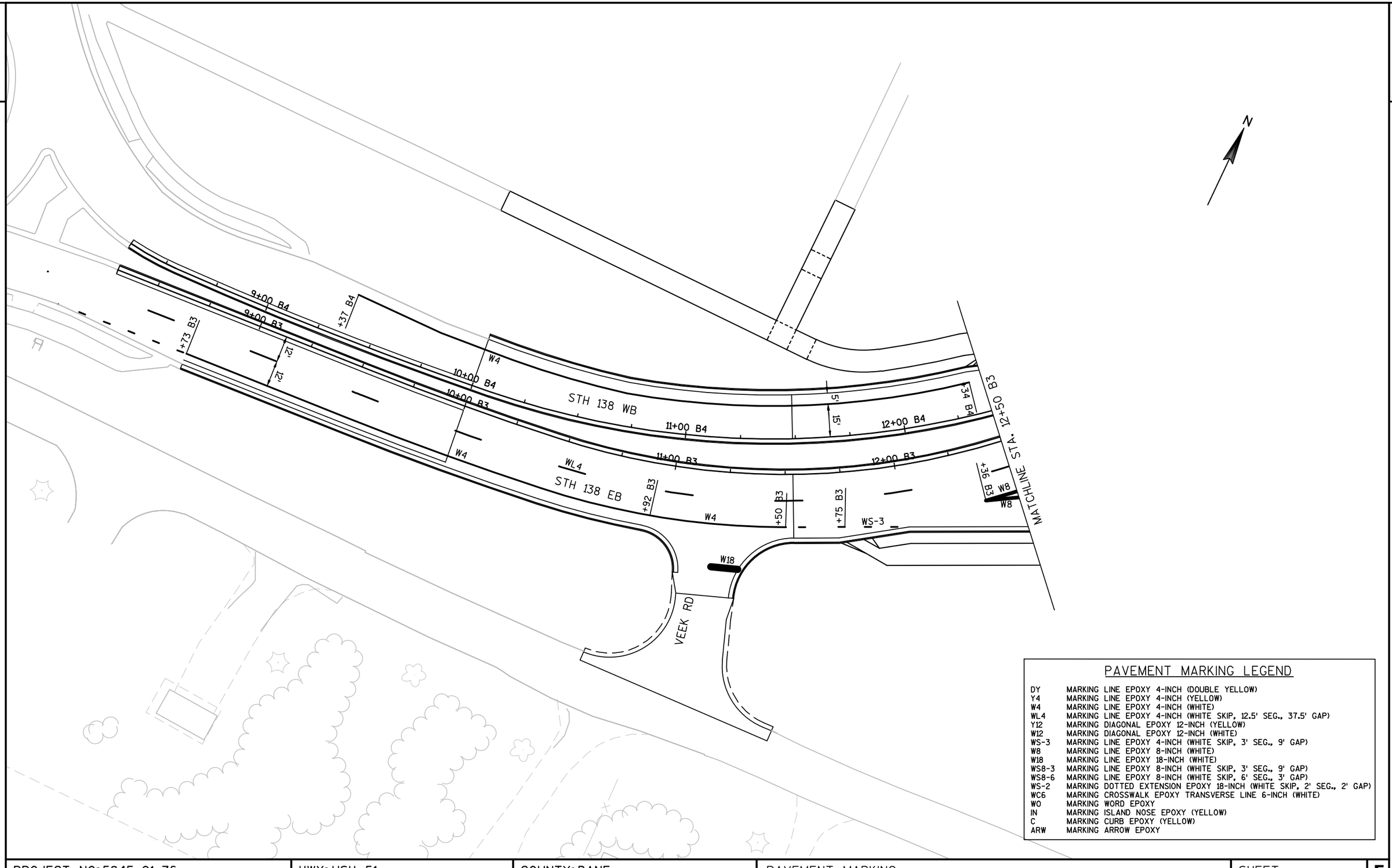


PAVEMENT MARKING LEGEND

DY	MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
Y4	MARKING LINE EPOXY 4-INCH (YELLOW)
W4	MARKING LINE EPOXY 4-INCH (WHITE)
WL4	MARKING LINE EPOXY 4-INCH (WHITE SKIP, 12.5' SEG., 37.5' GAP)
Y12	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
W12	MARKING DIAGONAL EPOXY 12-INCH (WHITE)
WS-3	MARKING LINE EPOXY 4-INCH (WHITE SKIP, 3' SEG., 9' GAP)
W8	MARKING LINE EPOXY 8-INCH (WHITE)
W18	MARKING LINE EPOXY 18-INCH (WHITE)
WS8-3	MARKING LINE EPOXY 8-INCH (WHITE SKIP, 3' SEG., 9' GAP)
WS8-6	MARKING LINE EPOXY 8-INCH (WHITE SKIP, 6' SEG., 3' GAP)
WS-2	MARKING DOTTED EXTENSION EPOXY 18-INCH (WHITE SKIP, 2' SEG., 2' GAP)
WC6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
WO	MARKING WORD EPOXY
IN	MARKING ISLAND NOSE EPOXY (YELLOW)
C	MARKING CURB EPOXY (YELLOW)
ARW	MARKING ARROW EPOXY

PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	PAVEMENT MARKING	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\024501_PM.DWG
LAYOUT NAME - 024507
PLOT DATE : 8/31/2020 3:52 PM PLOT BY : SCHAUB, ALEX PLOT NAME : PLOT SCALE : **********

ADVANCED WARNING AND END WORK SIGNING IS INCLUDED IN PROJECT ID 5845-01-78

MAINTAIN EXISTING TRAFFIC CONTROL

JACKSON ST

COMPLETE STORM SEWER CROSSING DURING NIGHTLY CLOSURE. SEE SPECIAL PROVISIONS FOR ALLOWABLE HOURS

ACCESS DR

SILVERADO DR

12' WIDE LANE

12' WIDE LANE

11' WIDE LANE

MAINTAIN EXISTING TRAFFIC CONTROL

12' WIDE LANE

MAINTAIN ACCESS TO DRIVEWAY

APPROXIMATELY 14 CONSECUTIVE DAY CLOSURE OF SILVERADO DRIVE

11' WIDE LANE

COMPLETE STORM SEWER CROSSING DURING NIGHTLY CLOSURE. SEE SPECIAL PROVISIONS FOR ALLOWABLE HOURS

STH 138

MAINTAIN TWO-WAY STOP CONTROL

12' WIDE LANE

USH 51

MCCOMB RD

12' WIDE LANE

COMPLETE STORM SEWER CROSSING DURING NIGHTLY CLOSURE. SEE SPECIAL PROVISIONS FOR ALLOWABLE HOURS

SEE SDD "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR ADDITIONAL INFORMATION

SEE SDD "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 MPH OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR ADDITIONAL INFORMATION

11' WIDE LANE

HOEL AVENUE

N

STAGE 1:

TRAFFIC:

1. USH 51 TRAFFIC WILL TRAVEL ON EXISTING ROADWAY, AND BE REDUCED TO ONE LANE IN EACH DIRECTION. USH 51
2. TRAFFIC ON STH 138 AND HOEL AVENUE WILL TRAVEL ON EXISTING ROADWAY.
3. TRAFFIC ON SILVERADO DRIVE WILL TRAVEL ON EXISTING ROADWAY DURING STAGE 1, AND TWO-WAY TRAFFIC MUST BE MAINTAINED EXCEPT FOR DURING THE TWO WEEK CLOSURE OF SILVERADO DRIVE, WHERE THE CONSTRUCTION OF THE SILVERADO DRIVE TIE IN AND STORM SEWER CROSSINGS WILL BE COMPLETED.

CONSTRUCT:

1. INSTALL TEMPORARY PAVEMENT MARKING AND TRAFFIC CONTROL DEVICES NECESSARY FOR STAGE 1.
2. REMOVE ALL EXISTING PAVEMENT MARKING THAT CONFLICTS WITH STAGE 1 TRAFFIC CONTROL.
3. CONSTRUCT TEMPORARY PAVEMENT AND STORM SEWER REQUIRED TO BE IN PLACE FOR STAGE 2.
4. PLACE ALL EROSION CONTROL DEVICES AND FINISHING ITEMS THAT PERTAIN TO STAGE 1 CONSTRUCTION.
5. CONSTRUCT SOUTHBOUND LANE OF HOEL AVENUE ROUNDABOUT APPROACH, SOUTHBOUND LANE OF SILVERADO DRIVE ROUNDABOUT APPROACH, AND THE ASPHALT SECTION OF THE NORTHBOUND LANE OF SILVERADO DRIVE ROUNDABOUT APPROACH IN STAGE 1.

NOTES:

1. ALL TRAFFIC CONTROL DEVICES AND TEMPORARY PAVEMENT MARKING REQUIRED FOR NEXT STAGE MUST BE IN PLACE PRIOR TO SWITCHING TO THE NEXT STAGE.

TRAFFIC CONTROL NOTES

1. THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.
2. ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.
3. ANY SIGNS, TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN-USE" SHALL BE REMOVED OR COVERED AS NEEDED AS APPROVED BY THE ENGINEER.
4. SIGNS DESIGNATED AS "WO" ARE THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.
5. SEE SPECIAL PROVISIONS FOR ADDITIONAL TRAFFIC/STAGING REQUIREMENTS.
6. PAVEMENT MARKING WHICH MAY CONFLICT WITH TRAFFIC CONTROL "IN-USE" SHALL BE REMOVED AS DIRECTED BY THE ENGINEER.
7. ALL DRUM SPACING IS 50', UNLESS OTHERWISE NOTED.
8. MAINTAIN A MINIMUM 3:1 SLOPE BETWEEN THE TEMPORARY TRAVEL LANES AND ADJACENT EXCAVATIONS IF A DROPOFF OF 6 INCHES OR GREATER WITHIN 2' OF THE TEMPORARY ROADWAY WILL REMAIN FOR MORE THAN 3 CONSECUTIVE DAYS.

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT PLACED IN CURRENT STAGE
- TEMPORARY PAVEMENT PLACED IN PREVIOUS STAGE

PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	PLAN: STAGING OVERVIEW STAGE 1	SHEET	E

2

2

N

END ROAD WORK
G20-2A
48"X24"

400'

USH 51 SB

USH 51 NB

11+00 B
11+66 A
12+00 B
12+00 A
13+00 B
13+00 A
14+00 B

MATCHLINE 12+50 A3

HOEL AVE

4DYT

COMPLETE STORM SEWER DURING NIGHTTIME CLOSURE

+78 A
12' LT
+45 A
6' LT
+90 A
6' LT
+97 A
12' LT
+14 A
8' LT
+87 A
2' RT

COVER PLATES TEMPORARY, REQ'D

4WT

25' (TYP.)

200' 200' 200'

125' MERGING TAPER

55' BUFFER

ROAD WORK AHEAD
W20-1-A

RIGHT LANE CLOSED AHEAD
W20-5-A

W4-2R
36"X36"

LANE CLOSED
R11-2-L
48"X30"

LANE CLOSED
R11-2-L
48"X30"

USH 51 SB

+48 A
66' LT

16+00 B

USH 51 NB

50' (TYP.)

16+00 A

MATCHLINE 16+50 A

18W

+95 A
2' LT
+45 A
27' RT

+84 A
1' LT

R=65'

SILVERADO DR

+34 A7
51' LT

STOP
R1-1
30"X30"

+04 A
38' RT

+19 A7
42' LT
+15 A7
48' LT

+21 A7
40' LT

ASPHALTIC CURB REQ'D

+16 A7
36' LT

+13 A7
40' LT

12+50 A7

HOIBY RD

+95 A7
53' LT

4DYT

+81 A7
19' LT

+76 A7
44' LT

MATCHLINE 11+50 A7

NORTH 138 NORTH 51
MOVE

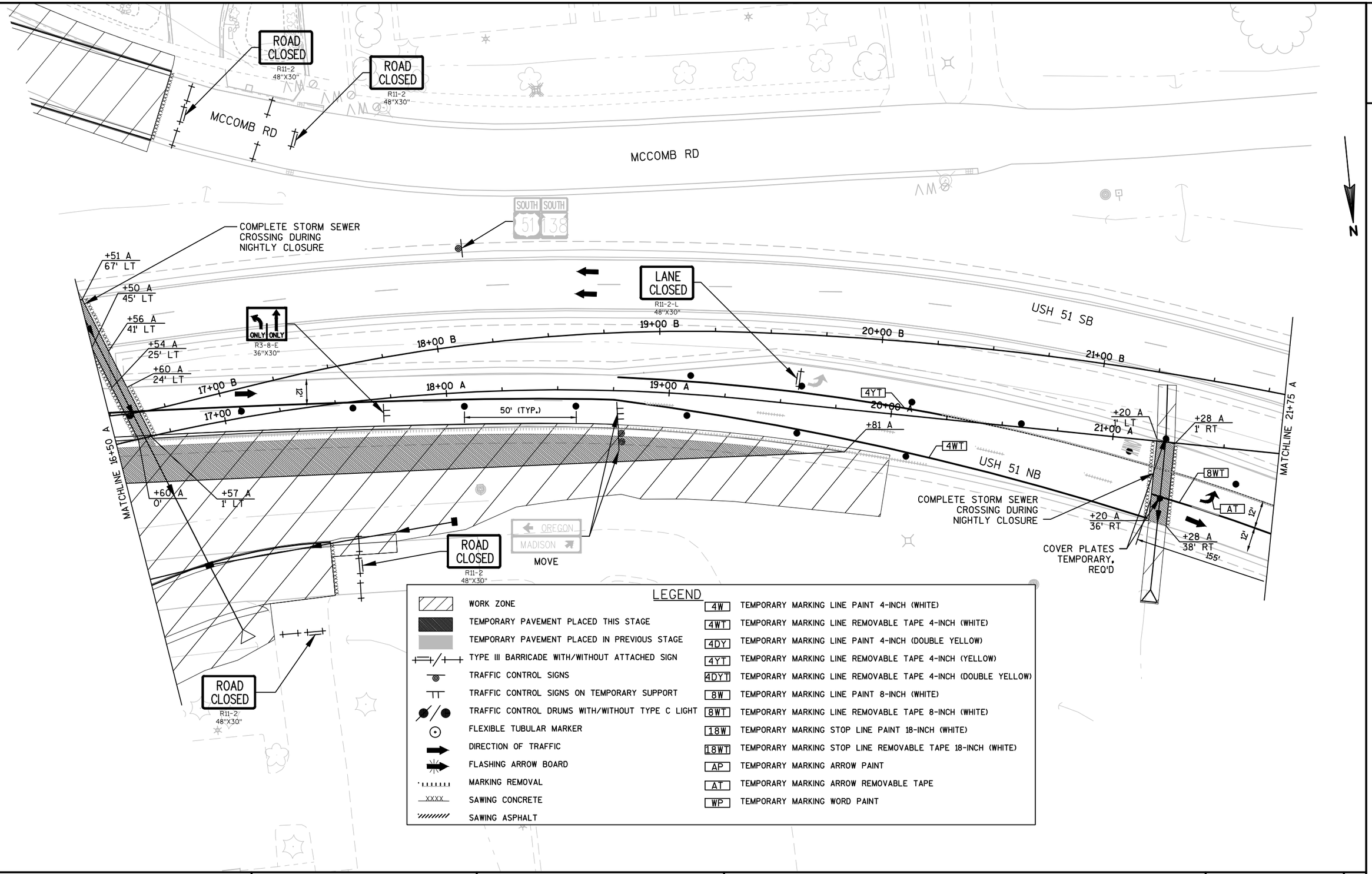
LEGEND

	WORK ZONE
	TEMPORARY PAVEMENT PLACED THIS STAGE
	TEMPORARY PAVEMENT PLACED IN PREVIOUS STAGE
	TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
	TRAFFIC CONTROL SIGNS
	TRAFFIC CONTROL SIGNS ON TEMPORARY SUPPORT
	TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT
	FLEXIBLE TUBULAR MARKER
	DIRECTION OF TRAFFIC
	FLASHING ARROW BOARD
	MARKING REMOVAL
XXXX	SAWING CONCRETE
	SAWING ASPHALT

4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
4WT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
4YT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
4DYT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
8WT	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
18W	TEMPORARY MARKING STOP LINE PAINT 18-INCH (WHITE)
18WT	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
AP	TEMPORARY MARKING ARROW PAINT
AT	TEMPORARY MARKING ARROW REMOVABLE TAPE
WP	TEMPORARY MARKING WORD PAINT

PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 1	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\026001_S1.DWG
LAYOUT NAME - 026001_S1
PLOT DATE : 9/1/2020 9:41 AM PLOT BY : BECKER, ELISA PLOT NAME : PLOT SCALE : 1 IN:40 FT



LEGEND

	WORK ZONE	4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
	TEMPORARY PAVEMENT PLACED THIS STAGE	4WT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
	TEMPORARY PAVEMENT PLACED IN PREVIOUS STAGE	4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
	TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN	4YT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
	TRAFFIC CONTROL SIGNS	4DYT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
	TRAFFIC CONTROL SIGNS ON TEMPORARY SUPPORT	8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
	TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT	8WT	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
	FLEXIBLE TUBULAR MARKER	18W	TEMPORARY MARKING STOP LINE PAINT 18-INCH (WHITE)
	DIRECTION OF TRAFFIC	18WT	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
	FLASHING ARROW BOARD	AP	TEMPORARY MARKING ARROW PAINT
	MARKING REMOVAL	AT	TEMPORARY MARKING ARROW REMOVABLE TAPE
XXXX	SAWING CONCRETE	WP	TEMPORARY MARKING WORD PAINT
	SAWING ASPHALT		

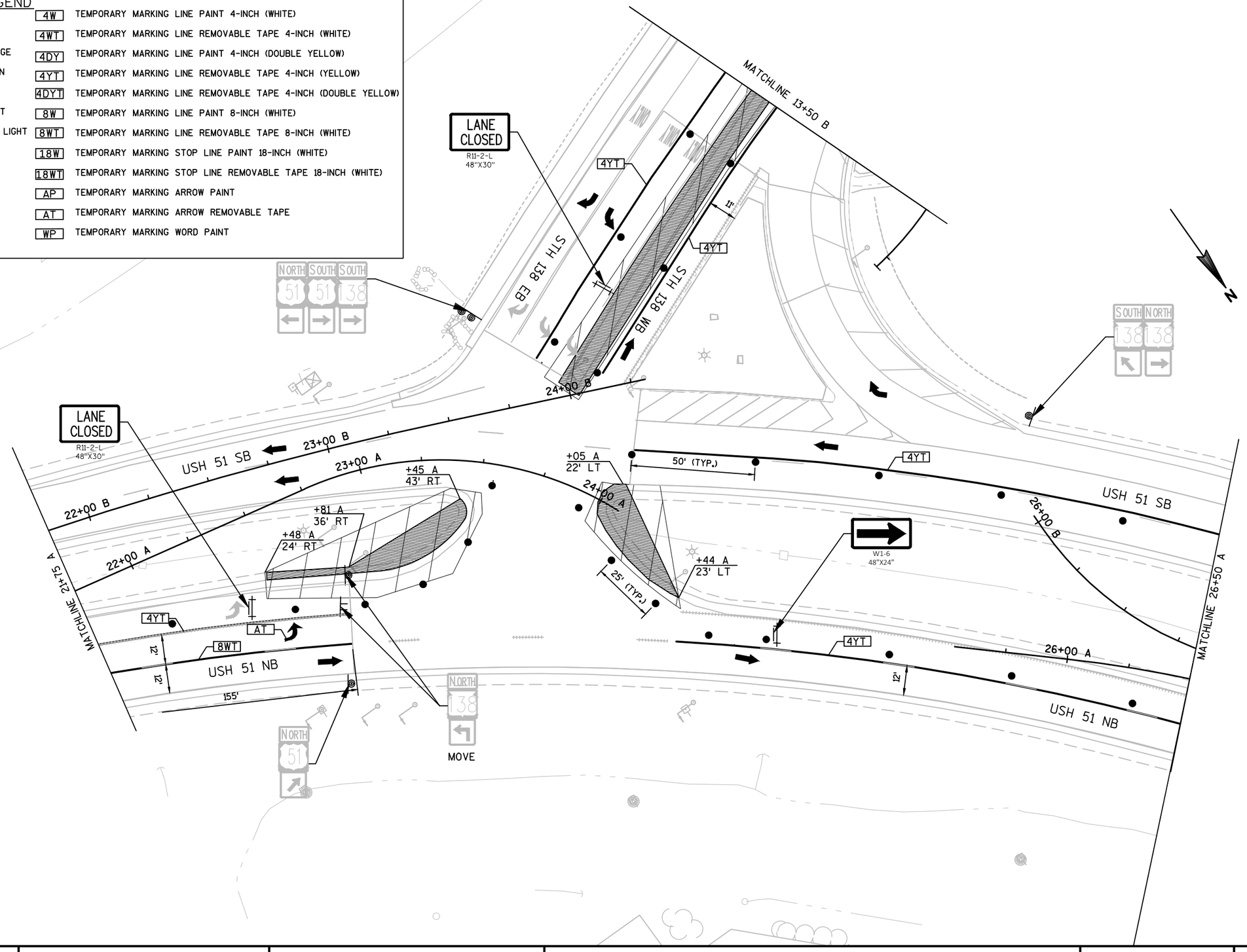
PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 1	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\026001_S1.DWG
LAYOUT NAME - 026002_S1
PLOT DATE : 9/1/2020 9:41 AM PLOT BY : BECKER, ELISA PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

	WORK ZONE	4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
	TEMPORARY PAVEMENT PLACED THIS STAGE	4WT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
	TEMPORARY PAVEMENT PLACED IN PREVIOUS STAGE	4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
	TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN	4YT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
	TRAFFIC CONTROL SIGNS	4DYT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
	TRAFFIC CONTROL SIGNS ON TEMPORARY SUPPORT	8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
	TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT	8WT	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
	FLEXIBLE TUBULAR MARKER	18W	TEMPORARY MARKING STOP LINE PAINT 18-INCH (WHITE)
	DIRECTION OF TRAFFIC	18WT	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
	FLASHING ARROW BOARD	AP	TEMPORARY MARKING ARROW PAINT
	MARKING REMOVAL	AT	TEMPORARY MARKING ARROW REMOVABLE TAPE
XXXX	SAWING CONCRETE	WP	TEMPORARY MARKING WORD PAINT
	SAWING ASPHALT		



PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 1	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\026001_S1.DWG
LAYOUT NAME - 026003_S1
PLOT DATE : 9/1/2020 9:41 AM PLOT BY : BECKER, ELISA PLOT NAME : PLOT SCALE : 1 IN:40 FT

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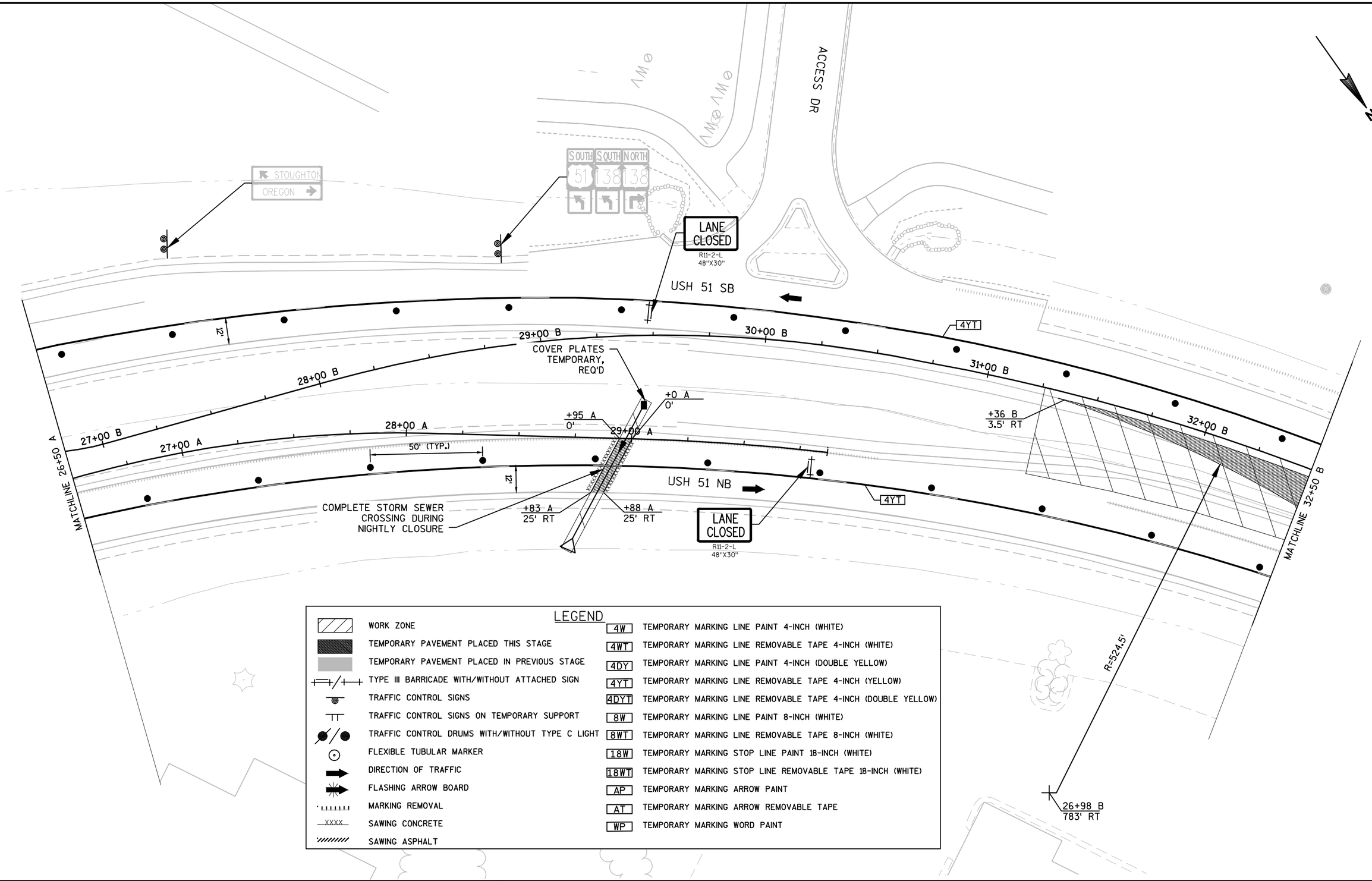

LEGEND

	WORK ZONE	4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
	TEMPORARY PAVEMENT PLACED THIS STAGE	4WT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
	TEMPORARY PAVEMENT PLACED IN PREVIOUS STAGE	4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
	TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN	4YT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
	TRAFFIC CONTROL SIGNS	4DYT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
	TRAFFIC CONTROL SIGNS ON TEMPORARY SUPPORT	8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
	TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT	8WT	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
	FLEXIBLE TUBULAR MARKER	18W	TEMPORARY MARKING STOP LINE PAINT 18-INCH (WHITE)
	DIRECTION OF TRAFFIC	18WT	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
	FLASHING ARROW BOARD	AP	TEMPORARY MARKING ARROW PAINT
	MARKING REMOVAL	AT	TEMPORARY MARKING ARROW REMOVABLE TAPE
XXXX	SAWING CONCRETE	WP	TEMPORARY MARKING WORD PAINT
	SAWING ASPHALT		

PROJECT NO:5845-01-76	HWY:USH 51	COUNTY:DANE	TRAFFIC CONTROL: STAGE 1	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\026001_S1.DWG
LAYOUT NAME - 026004_S1
PLOT DATE : 9/1/2020 9:41 AM PLOT BY : BECKER, ELISA PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

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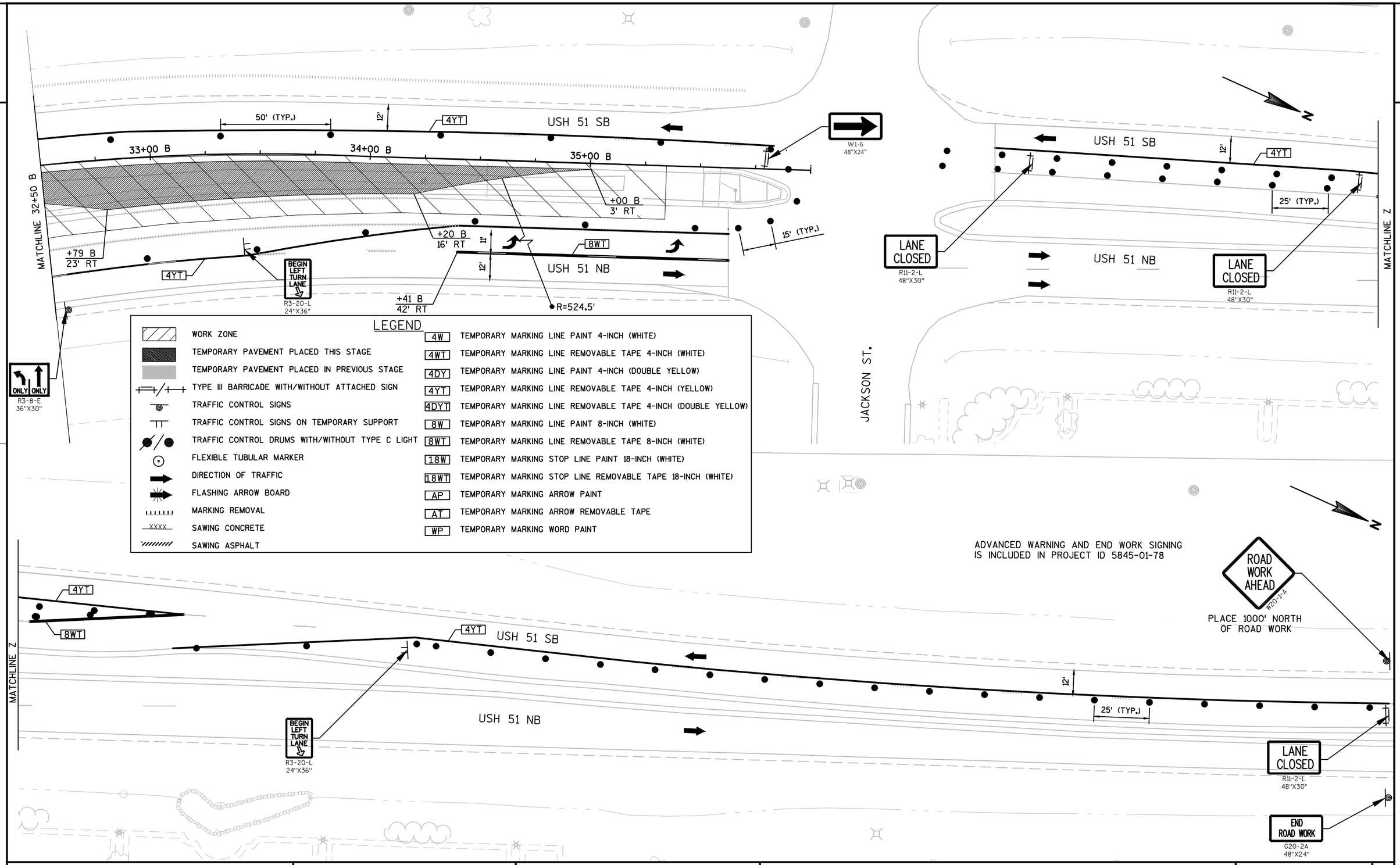


LEGEND

	WORK ZONE	4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
	TEMPORARY PAVEMENT PLACED THIS STAGE	4WT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
	TEMPORARY PAVEMENT PLACED IN PREVIOUS STAGE	4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
	TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN	4YT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
	TRAFFIC CONTROL SIGNS	4DYT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
	TRAFFIC CONTROL SIGNS ON TEMPORARY SUPPORT	8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
	TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT	8WT	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
	FLEXIBLE TUBULAR MARKER	18W	TEMPORARY MARKING STOP LINE PAINT 18-INCH (WHITE)
	DIRECTION OF TRAFFIC	18WT	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
	FLASHING ARROW BOARD	AP	TEMPORARY MARKING ARROW PAINT
	MARKING REMOVAL	AT	TEMPORARY MARKING ARROW REMOVABLE TAPE
XXXX	SAWING CONCRETE	WP	TEMPORARY MARKING WORD PAINT
	SAWING ASPHALT		

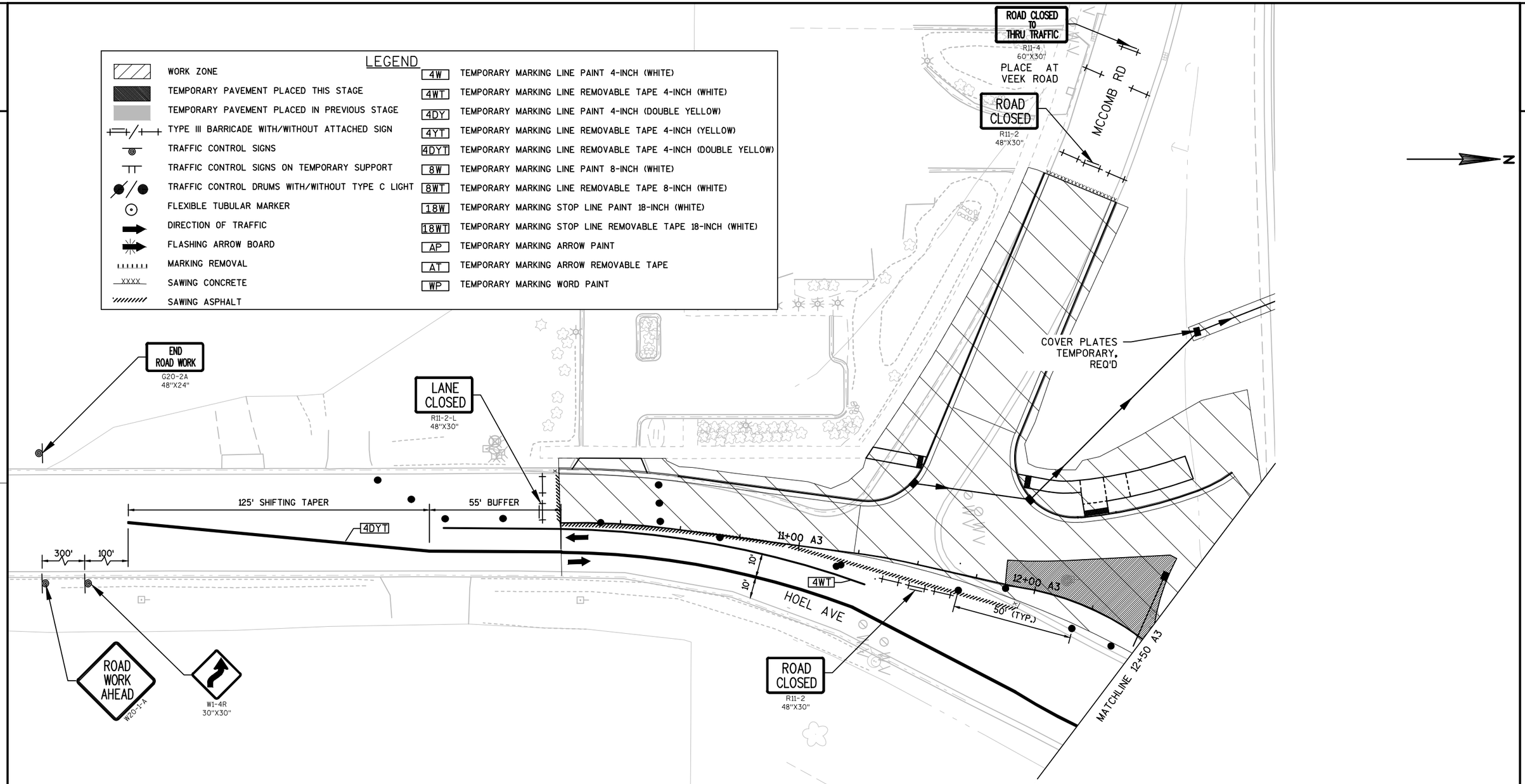
ADVANCED WARNING AND END WORK SIGNING
IS INCLUDED IN PROJECT ID 5845-01-78

PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 1	SHEET	E

2

LEGEND

	WORK ZONE	4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
	TEMPORARY PAVEMENT PLACED THIS STAGE	4WT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
	TEMPORARY PAVEMENT PLACED IN PREVIOUS STAGE	4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
	TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN	4YT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
	TRAFFIC CONTROL SIGNS	4DYT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
	TRAFFIC CONTROL SIGNS ON TEMPORARY SUPPORT	8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
	TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT	8WT	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
	FLEXIBLE TUBULAR MARKER	18W	TEMPORARY MARKING STOP LINE PAINT 18-INCH (WHITE)
	DIRECTION OF TRAFFIC	18WT	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
	FLASHING ARROW BOARD	AP	TEMPORARY MARKING ARROW PAINT
	MARKING REMOVAL	AT	TEMPORARY MARKING ARROW REMOVABLE TAPE
XXXX	SAWING CONCRETE	WP	TEMPORARY MARKING WORD PAINT
	SAWING ASPHALT		



PROJECT NO:5845-01-76	HWY:USH 51	COUNTY:DANE	TRAFFIC CONTROL: STAGE 1	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\026001_S1.DWG
LAYOUT NAME - 026006_S1
PLOT DATE : 9/1/2020 9:41 AM PLOT BY : BECKER, ELISA PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

N

PLACE DURING SOUTHBOUND SILVERADO CLOSURE AT JACKSON STREET

W1-4L
30"X30"

ROAD WORK AHEAD
W20-1-A

ROAD CLOSED TO THRU TRAFFIC
R11-4
60"X30"

300'

LANE CLOSED
R11-2-L
48"X30"

SIDEWALK CLOSED
R9-9
24"X12"

25' (TYP.)

125' SHIFTING TAPER

4WT

4WT

55' BUFFER

4DYT

SILVERADO DR

STA 11+00

STA 11+50

MATCHLINE 11+50 A7

COVER PLATES TEMPORARY, REQ'D

END ROAD WORK
G20-2A
48"X24"

SEE SDD BARRICADES AND SIGNS FOR SIDEROAD CLOSURES DETAIL 1 FOR ADDITIONAL INFORMATION

LEGEND

WORK ZONE	4W TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
TEMPORARY PAVEMENT PLACED THIS STAGE	4WT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
TEMPORARY PAVEMENT PLACED IN PREVIOUS STAGE	4DY TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN	4YT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
TRAFFIC CONTROL SIGNS	4DYT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL SIGNS ON TEMPORARY SUPPORT	8W TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT	8WT TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
FLEXIBLE TUBULAR MARKER	18W TEMPORARY MARKING STOP LINE PAINT 18-INCH (WHITE)
DIRECTION OF TRAFFIC	18WT TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
FLASHING ARROW BOARD	AP TEMPORARY MARKING ARROW PAINT
MARKING REMOVAL	AT TEMPORARY MARKING ARROW REMOVABLE TAPE
SAWING CONCRETE	WP TEMPORARY MARKING WORD PAINT
SAWING ASPHALT	

PROJECT NO:5845-01-76	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 1	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\026001_S1.DWG
LAYOUT NAME - 026007_S1

PLOT DATE : 9/1/2020 9:41 AM PLOT BY : BECKER, ELISA PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

LEGEND

WORK ZONE	4W TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
TEMPORARY PAVEMENT PLACED THIS STAGE	4WT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
TEMPORARY PAVEMENT PLACED IN PREVIOUS STAGE	4DY TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN	4YT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
TRAFFIC CONTROL SIGNS	4DYT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL SIGNS ON TEMPORARY SUPPORT	8W TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT	8WT TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
FLEXIBLE TUBULAR MARKER	18W TEMPORARY MARKING STOP LINE PAINT 18-INCH (WHITE)
DIRECTION OF TRAFFIC	18WT TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
FLASHING ARROW BOARD	AP TEMPORARY MARKING ARROW PAINT
MARKING REMOVAL	AT TEMPORARY MARKING ARROW REMOVABLE TAPE
SAWING CONCRETE	WP TEMPORARY MARKING WORD PAINT
SAWING ASPHALT	

N

STH 138 WB

STH 138 EB

4YT

4WT

9+00 B3

10+00 B3

11+00 B3

12+00 B3

13+00 B3

+31 B3

50' (TYP.)

22'

11'

4WT (12.5' SEG, 37.5' GAP)

LANE CLOSED
R11-2-L
48"X30"

LANE CLOSED
R11-2-L
48"X30"

ONLY ONLY
R3-8-F
36"X30"

NORTH 51 USE RIGHT LANE

SOUTH 51 USE RIGHT LANE

SOUTH 138

MATCHLINE 13+50 B3

WV

AG

PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 1	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\026001_S1.DWG
LAYOUT NAME - 026008_S1

PLOT DATE : 9/1/2020 9:41 AM PLOT BY : BECKER, ELISA PLOT NAME : PLOT SCALE : 1 IN:40 FT

ADVANCED WARNING AND END WORK SIGNING IS INCLUDED IN PROJECT ID 5845-01-78

JACKSON ST

15' WIDE LANE

CLOSE DRIVEWAY ACCESS DURING STAGE 2

ACCESS DR

12' WIDE LANE

NEW TEMPORARY TRAFFIC SIGNAL

STH 138

RESTRICT ACCESS TO RIGHT-IN AND RIGHT-OUT ONLY

12' WIDE LANE

MCCOMB RD

COMPLETE STORM SEWER CROSSING DURING NIGHTLY CLOSURE SEE SPECIAL PROVISIONS FOR ALLOWABLE HOURS

SEE SDD "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 MPH OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR ADDITIONAL INFORMATION

SILVERADO DR

11' WIDE LANE

MAINTAIN TWO-WAY STOP CONTROL

SDSH

USH 51

11' WIDE LANE

SEE SDD "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR ADDITIONAL INFORMATION

MAINTAIN DRIVEWAY ACCESS

APPROXIMATELY 7 CONSECUTIVE DAY CLOSURE OF HOEL AVENUE

11' WIDE LANE

HOEL AVENUE

N

STAGE 2:

TRAFFIC:

1. USH 51 TRAFFIC WILL TRAVEL ON NORTHBOUND EXISTING ROADWAY, AND BE REDUCED TO ONE LANE IN EACH DIRECTION. USH 51 NIGHTTIME CLOSURE REQUIRED TO CONSTRUCT STORM SEWER CROSSINGS IN 3 LOCATIONS. SEE SPECIAL PROVISIONS FOR ALLOWABLE HOURS.
2. HOEL AVENUE WILL BE CLOSED AT INTERSECTION WITH USH 51 FOR APPROXIMATELY SEVEN CONSECUTIVE DAYS. HOEL AVENUE TRAFFIC WILL REMAIN ON EXISTING AND TEMPORARY PAVEMENT FOR THE DURATION OF STAGE 2A, AND SILVERADO DRIVE TRAFFIC WILL TRAVEL ON NEW AND EXISTING ROADWAY.
3. STH 138 TRAFFIC WILL TRAVEL ON EXISTING EASTBOUND ROADWAY IN STAGE 2A. IN STAGE 2B AND 2C STH 138 TRAFFIC WILL TRAVEL ON NEWLY CONSTRUCTED ROADWAY.

CONSTRUCT:

1. INSTALL TEMPORARY PAVEMENT MARKING AND TRAFFIC CONTROL DEVICES NECESSARY FOR STAGE 2.
2. REMOVE ALL EXISTING PAVEMENT MARKING THAT CONFLICTS WITH STAGE 2 TRAFFIC CONTROL.
3. CONSTRUCT TEMPORARY PAVEMENT AND STORM SEWER REQUIRED TO BE IN PLACE FOR STAGE 3.
4. PLACE ALL EROSION CONTROL DEVICES AND FINISHING ITEMS THAT PERTAIN TO STAGE 2 CONSTRUCTION.
5. CONSTRUCT SOUTHBOUND USH 51.
6. CONSTRUCT STH 138 ROUNDABOUT APPROACH.
7. CONSTRUCT STORM SEWER CROSSING OF USH 51 UNDER NIGHTTIME ROAD CLOSURE.

NOTES:

1. ALL TRAFFIC CONTROL DEVICES AND TEMPORARY PAVEMENT MARKING REQUIRED FOR NEXT STAGE MUST BE IN PLACE PRIOR TO SWITCHING TO NEXT STAGE.

TRAFFIC CONTROL NOTES

1. THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.
2. ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.
3. ANY SIGNS, TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN-USE" SHALL BE REMOVED OR COVERED AS NEEDED AS APPROVED BY THE ENGINEER.
4. SIGNS DESIGNATED AS "WO" ARE THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.
5. SEE SPECIAL PROVISIONS FOR ADDITIONAL TRAFFIC/STAGING REQUIREMENTS.
6. PAVEMENT MARKING WHICH MAY CONFLICT WITH TRAFFIC CONTROL "IN-USE" SHALL BE REMOVED AS DIRECTED BY THE ENGINEER.
7. ALL DRUM SPACING IS 50', UNLESS OTHERWISE NOTED.
8. MAINTAIN A MINIMUM 3:1 SLOPE BETWEEN THE TEMPORARY TRAVEL LANES AND ADJACENT EXCAVATIONS IF A DROPOFF OF 6 INCHES OR GREATER WITHIN 2' OF THE TEMPORARY ROADWAY WILL REMAIN FOR MORE THAN 3 CONSECUTIVE DAYS.

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT PLACED IN CURRENT STAGE
- TEMPORARY PAVEMENT PLACED IN PREVIOUS STAGE

PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	PLAN: STAGING OVERVIEW STAGE 2	SHEET	E

2

COVER PLATES TEMPORARY, REQ'D

COMPLETE WORK DURING HOEL CLOSURE

MATCHLINE 12+00 A3

ROAD CLOSED
R11-2
48"X30"

SIDEWALK CLOSED
R9-9
24"X12"

HOEL AVE

+53 A3
27' RT

+86 A
44' LT

+68 B
16' LT

14+00 B

R=50'

R=45'

+86 A
19' LT

+85 A
17' LT

+78 A
7' LT

13+00 B

13+00 A

12+00 B

12+00 A

11+00 B

11+00 A

MATCHLINE 10+75 A

USH 51 SB

USH 51 NB

11'

50' (TYP.)

4W

4DY

4WT

18W

+03 A
23' RT

14+08 A

STOP
R1-1
30"X30"

R3-2
24"X24"

PLACE DURING HOEL CLOSURE

+84 B
7' LT

+33 A
33' LT

+03 A
40' LT

16+00 B

16+00 A

12'

MATCHLINE 16+50 A

R3-1
24"X24"

+87 A
44' RT

SILVERADO DR

12+00 A7

HOIBY ROAD

MATCHLINE 11+50 A7

NORTH NORTH
13851
MOVE

N

SDSH

LEGEND

	WORK ZONE	4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
	TEMPORARY PAVEMENT PLACED THIS STAGE	4WT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
	TEMPORARY PAVEMENT PLACED IN PREVIOUS STAGE	4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
	TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN	4YT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
	TRAFFIC CONTROL SIGNS	4DYT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
	TRAFFIC CONTROL SIGNS ON TEMPORARY SUPPORT	8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
	TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT	8WT	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
	FLEXIBLE TUBULAR MARKER	18W	TEMPORARY MARKING STOP LINE PAINT 18-INCH (WHITE)
	DIRECTION OF TRAFFIC	18WT	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
	FLASHING ARROW BOARD	AP	TEMPORARY MARKING ARROW PAINT
	MARKING REMOVAL	AT	TEMPORARY MARKING ARROW REMOVABLE TAPE
XXXX	SAWING CONCRETE	WP	TEMPORARY MARKING WORD PAINT
	SAWING ASPHALT		

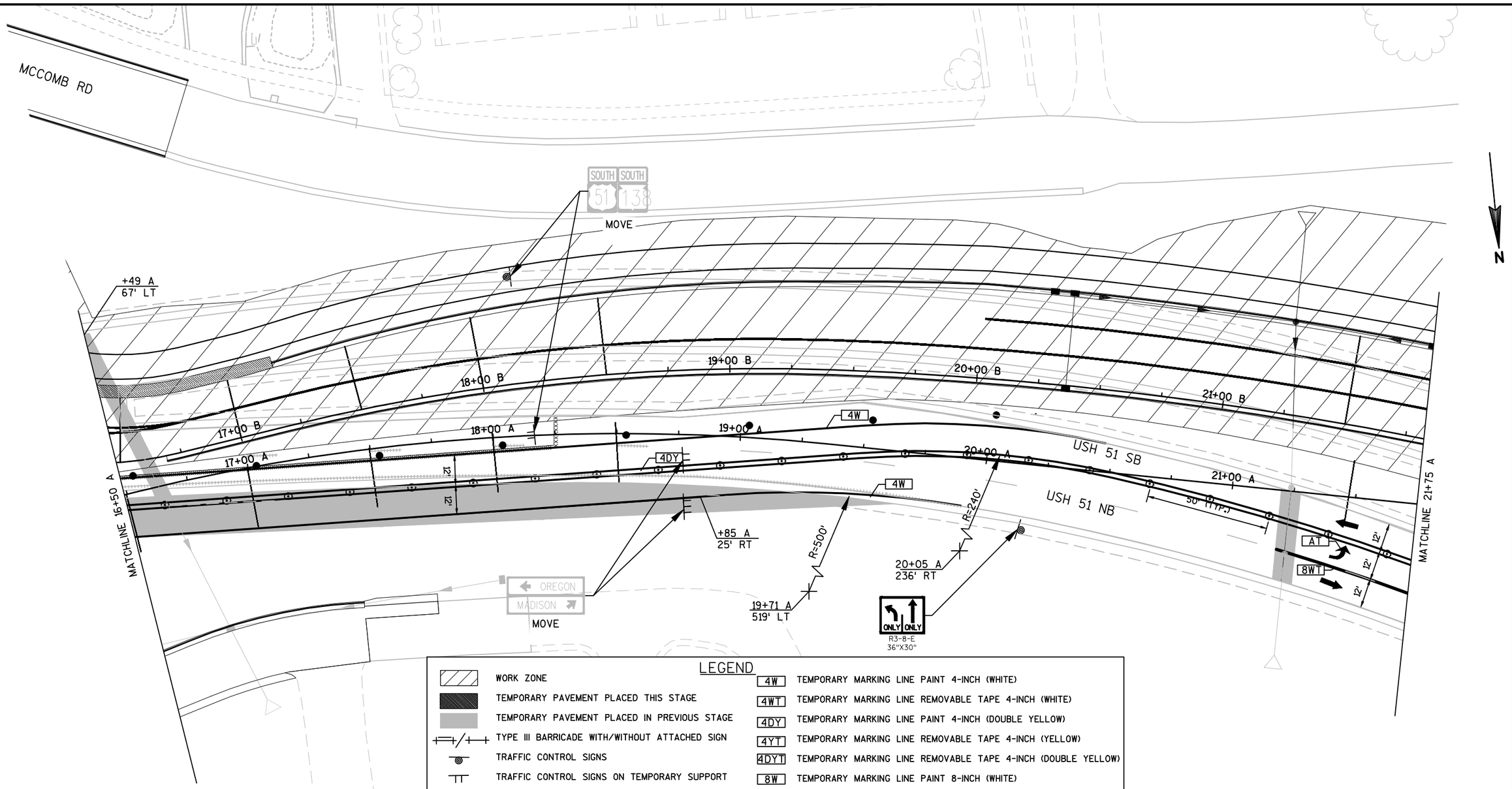
PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 2A	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\026001_S2A.DWG
LAYOUT NAME - 026001_S2A

PLOT DATE : 8/31/2020 3:57 PM PLOT BY : SCHAUB, ALEX PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2



LEGEND

	WORK ZONE
	TEMPORARY PAVEMENT PLACED THIS STAGE
	TEMPORARY PAVEMENT PLACED IN PREVIOUS STAGE
	TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
	TRAFFIC CONTROL SIGNS
	TRAFFIC CONTROL SIGNS ON TEMPORARY SUPPORT
	TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT
	FLEXIBLE TUBULAR MARKER
	DIRECTION OF TRAFFIC
	FLASHING ARROW BOARD
	MARKING REMOVAL
XXXX	SAWING CONCRETE
	SAWING ASPHALT

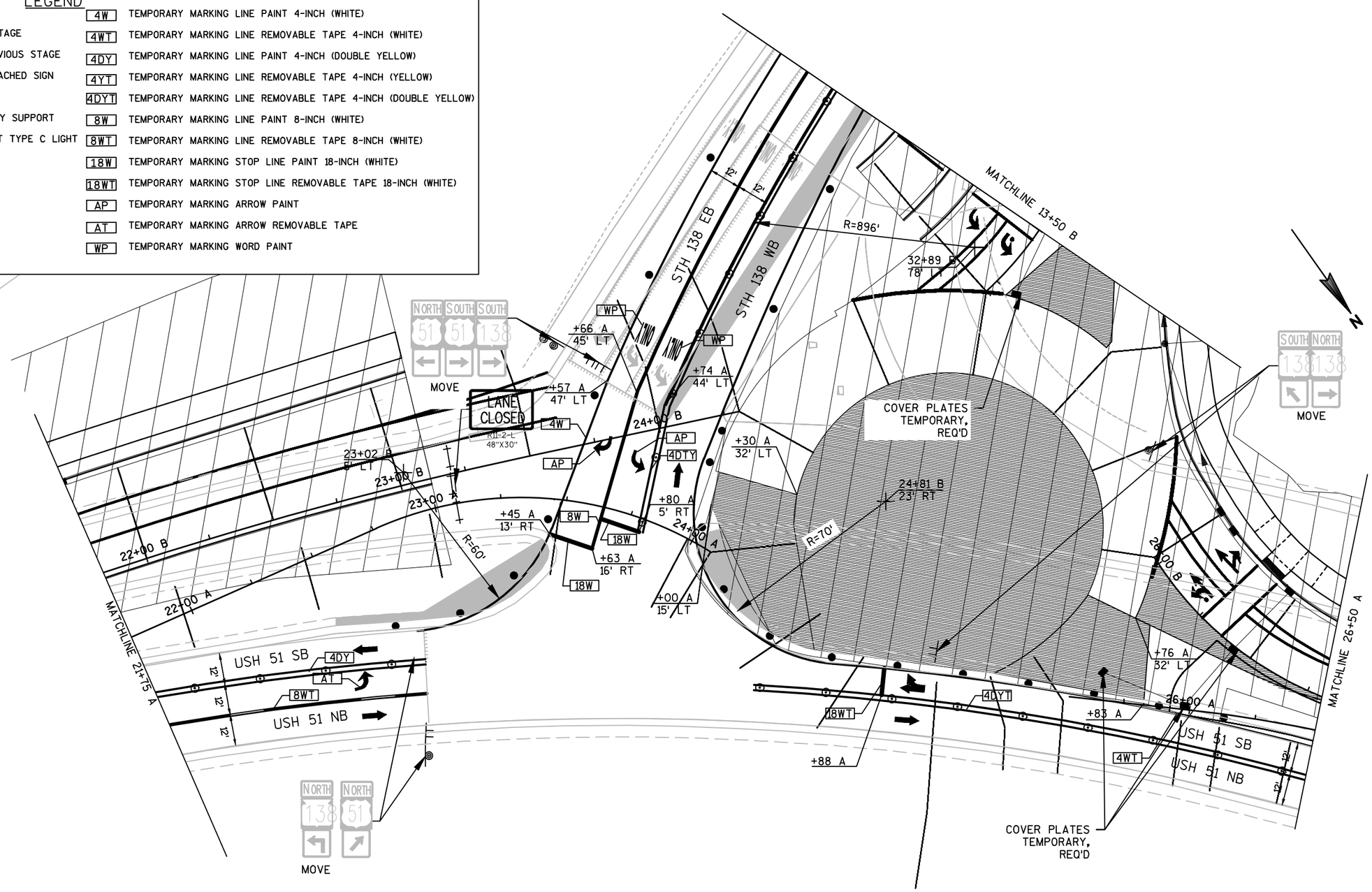
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
4WT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
4YT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
4DYT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
8WT	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
18W	TEMPORARY MARKING STOP LINE PAINT 18-INCH (WHITE)
18WT	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
AP	TEMPORARY MARKING ARROW PAINT
AT	TEMPORARY MARKING ARROW REMOVABLE TAPE
WP	TEMPORARY MARKING WORD PAINT

PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 2A	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\026001_S2A.DWG
LAYOUT NAME - 026002_S2A
PLOT DATE : 8/31/2020 3:57 PM PLOT BY : SCHAUB, ALEX PLOT NAME : PLOT SCALE : 1 IN:40 FT

LEGEND

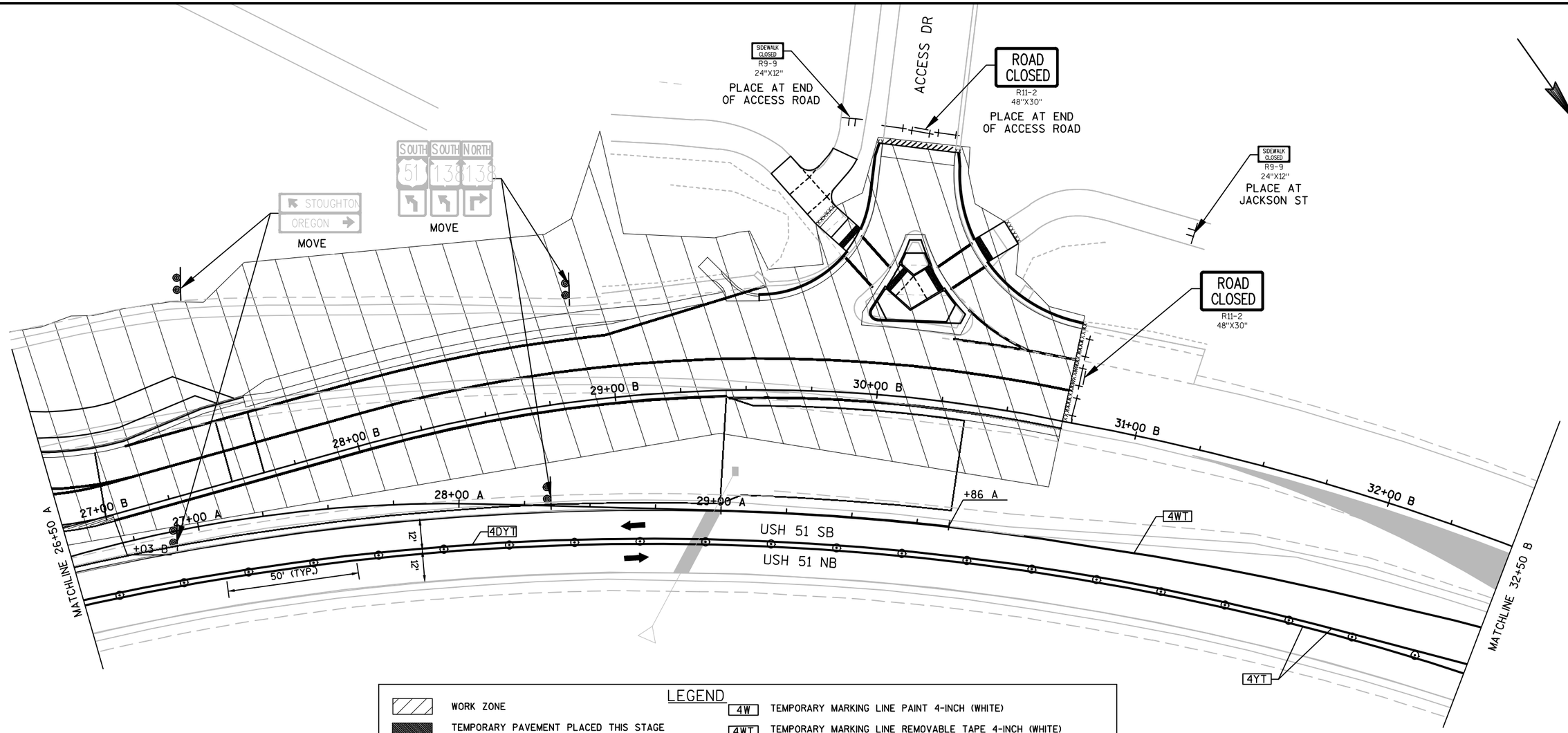
	WORK ZONE	4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
	TEMPORARY PAVEMENT PLACED THIS STAGE	4WT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
	TEMPORARY PAVEMENT PLACED IN PREVIOUS STAGE	4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
	TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN	4YT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
	TRAFFIC CONTROL SIGNS	4DYT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
	TRAFFIC CONTROL SIGNS ON TEMPORARY SUPPORT	8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
	TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT	8WT	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
	FLEXIBLE TUBULAR MARKER	18W	TEMPORARY MARKING STOP LINE PAINT 18-INCH (WHITE)
	DIRECTION OF TRAFFIC	18WT	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
	FLASHING ARROW BOARD	AP	TEMPORARY MARKING ARROW PAINT
	MARKING REMOVAL	AT	TEMPORARY MARKING ARROW REMOVABLE TAPE
XXXX	SAWING CONCRETE	WP	TEMPORARY MARKING WORD PAINT
	SAWING ASPHALT		



PROJECT NO:5845-01-76	HWY:USH 51	COUNTY:DANE	TRAFFIC CONTROL: STAGE 2A	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\026001_S2A.DWG
LAYOUT NAME - 026003_S2A
PLOT DATE : 8/31/2020 3:57 PM PLOT BY : SCHAUB, ALEX PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



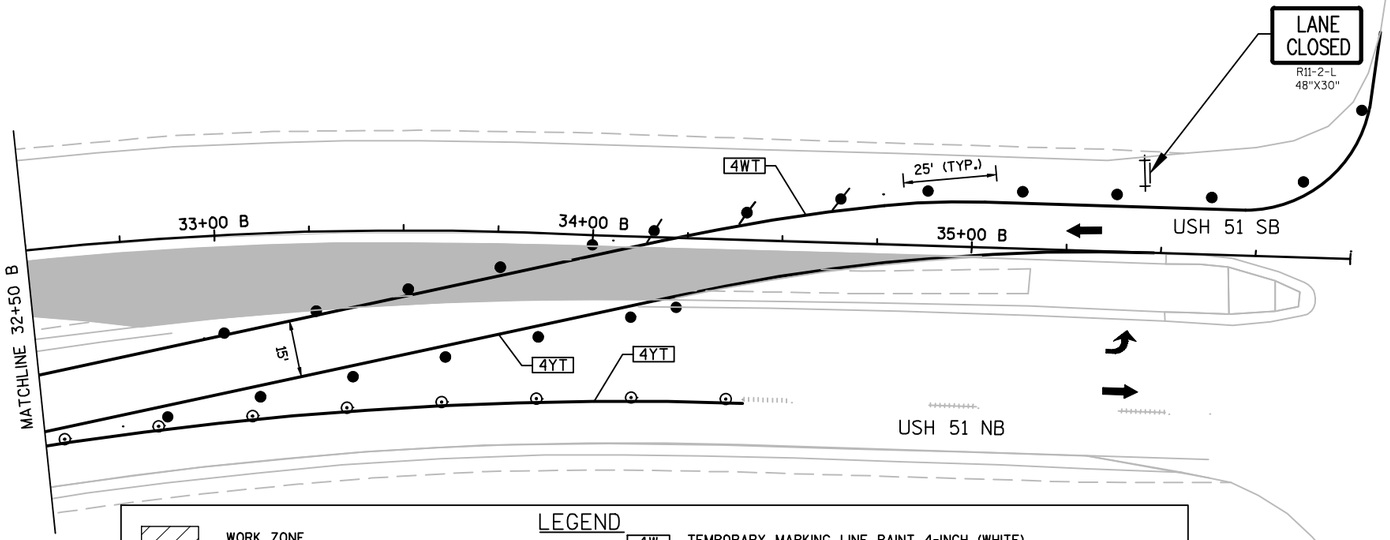
LEGEND

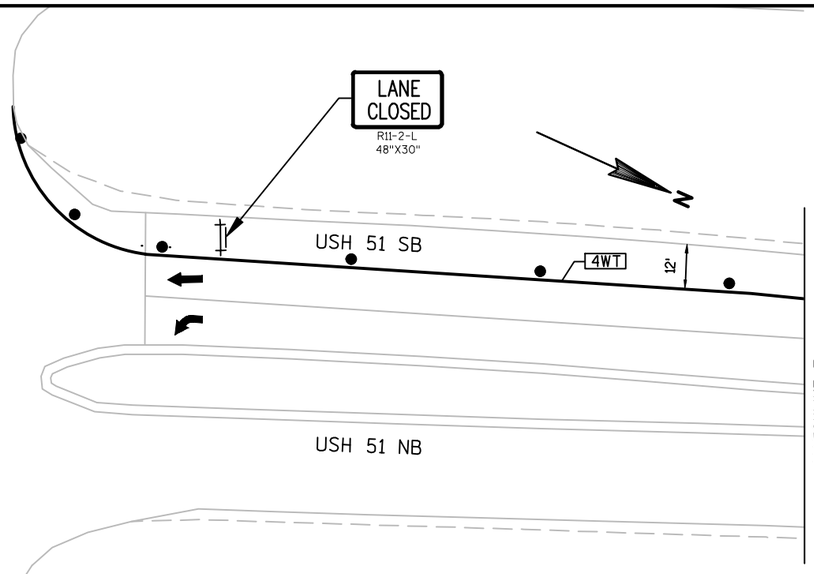
	WORK ZONE	4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
	TEMPORARY PAVEMENT PLACED THIS STAGE	4WT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
	TEMPORARY PAVEMENT PLACED IN PREVIOUS STAGE	4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
	TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN	4YT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
	TRAFFIC CONTROL SIGNS	4DYT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
	TRAFFIC CONTROL SIGNS ON TEMPORARY SUPPORT	8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
	TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT	8WT	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
	FLEXIBLE TUBULAR MARKER	18W	TEMPORARY MARKING STOP LINE PAINT 18-INCH (WHITE)
	DIRECTION OF TRAFFIC	18WT	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
	FLASHING ARROW BOARD	AP	TEMPORARY MARKING ARROW PAINT
	MARKING REMOVAL	AT	TEMPORARY MARKING ARROW REMOVABLE TAPE
XXXX	SAWING CONCRETE	WP	TEMPORARY MARKING WORD PAINT
	SAWING ASPHALT		

PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 2A	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\026001_S2A.DWG
LAYOUT NAME - 026004_S2A
PLOT DATE : 8/31/2020 3:57 PM PLOT BY : SCHAUB, ALEX PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



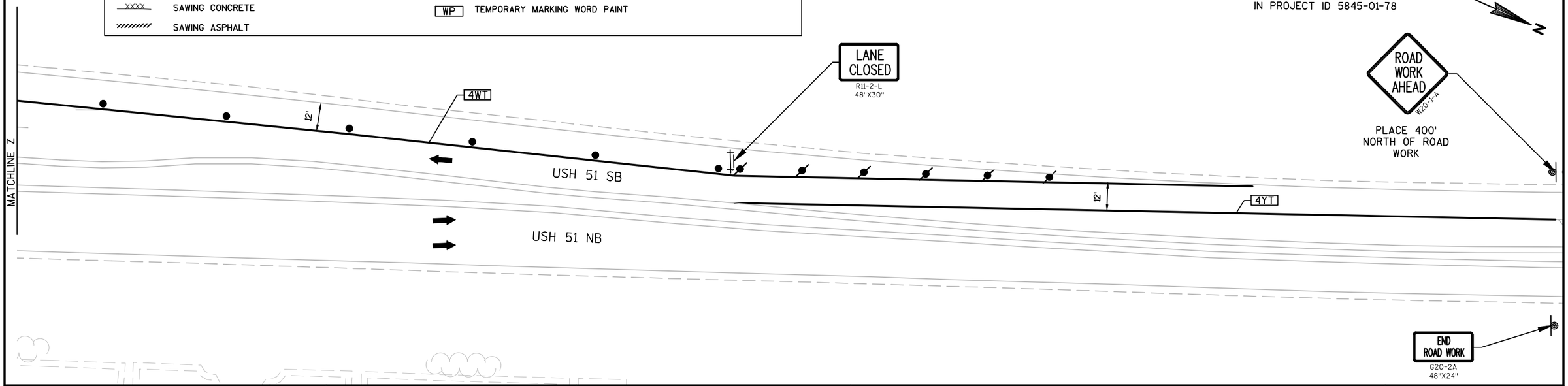


LEGEND

	WORK ZONE	4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
	TEMPORARY PAVEMENT PLACED THIS STAGE	4WT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
	TEMPORARY PAVEMENT PLACED IN PREVIOUS STAGE	4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
	TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN	4YT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
	TRAFFIC CONTROL SIGNS	4DYT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
	TRAFFIC CONTROL SIGNS ON TEMPORARY SUPPORT	8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
	TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT	8WT	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
	FLEXIBLE TUBULAR MARKER	18W	TEMPORARY MARKING STOP LINE PAINT 18-INCH (WHITE)
	DIRECTION OF TRAFFIC	18WT	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
	FLASHING ARROW BOARD	AP	TEMPORARY MARKING ARROW PAINT
	MARKING REMOVAL	AT	TEMPORARY MARKING ARROW REMOVABLE TAPE
XXXX	SAWING CONCRETE	WP	TEMPORARY MARKING WORD PAINT
	SAWING ASPHALT		

JACKSON ST.

ADVANCED WARNING AND
END WORK SIGNING INCLUDED
IN PROJECT ID 5845-01-78



PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 2A	SHEET	E

2

LEGEND

	WORK ZONE	4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
	TEMPORARY PAVEMENT PLACED THIS STAGE	4WT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
	TEMPORARY PAVEMENT PLACED IN PREVIOUS STAGE	4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
	TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN	4YT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
	TRAFFIC CONTROL SIGNS	4DYT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
	TRAFFIC CONTROL SIGNS ON TEMPORARY SUPPORT	8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
	TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT	8WT	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
	FLEXIBLE TUBULAR MARKER	18W	TEMPORARY MARKING STOP LINE PAINT 18-INCH (WHITE)
	DIRECTION OF TRAFFIC	18WT	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
	FLASHING ARROW BOARD	AP	TEMPORARY MARKING ARROW PAINT
	MARKING REMOVAL	AT	TEMPORARY MARKING ARROW REMOVABLE TAPE
XXXX	SAWING CONCRETE	WP	TEMPORARY MARKING WORD PAINT
	SAWING ASPHALT		

N

END ROAD WORK
G20-2A
48"X24"

STOP
R1-1
30"X30"

MCCOMB RD

25' (TYP.)

4DYT

300'

100'

125' TAPER

55' BUFFER

11'

11'

11+00 A3

4WT

12+0

MATCHLINE 12+00 A3

HOEL AVE

ROAD WORK AHEAD
W20-1-A

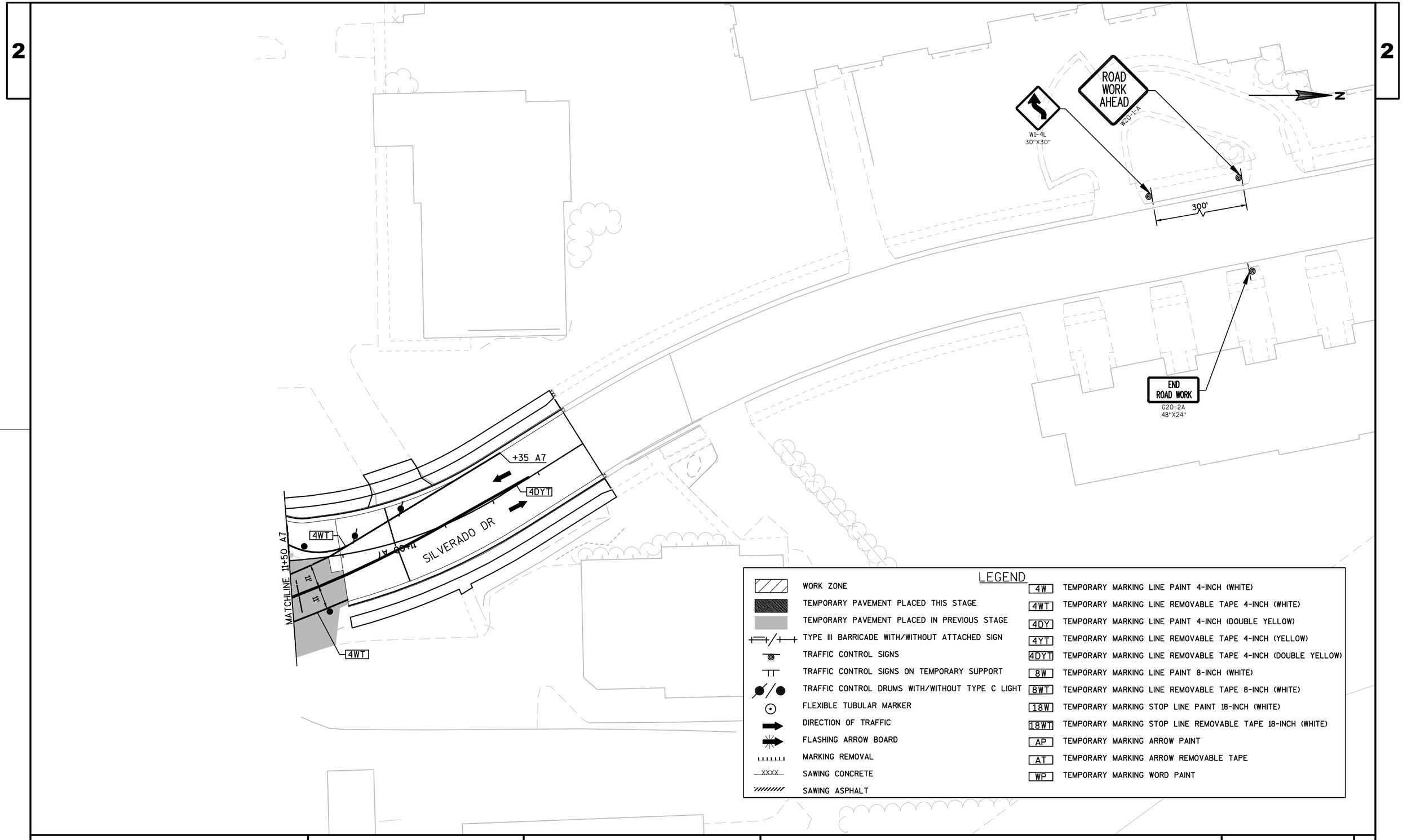
W1-4R
30"X30"

PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 2A	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\026001_S2A.DWG
LAYOUT NAME - 026006_S2A

PLOT DATE : 8/31/2020 3:58 PM PLOT BY : SCHAUB, ALEX PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 2A	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\026001_S2A.DWG
LAYOUT NAME - 026007_S2A

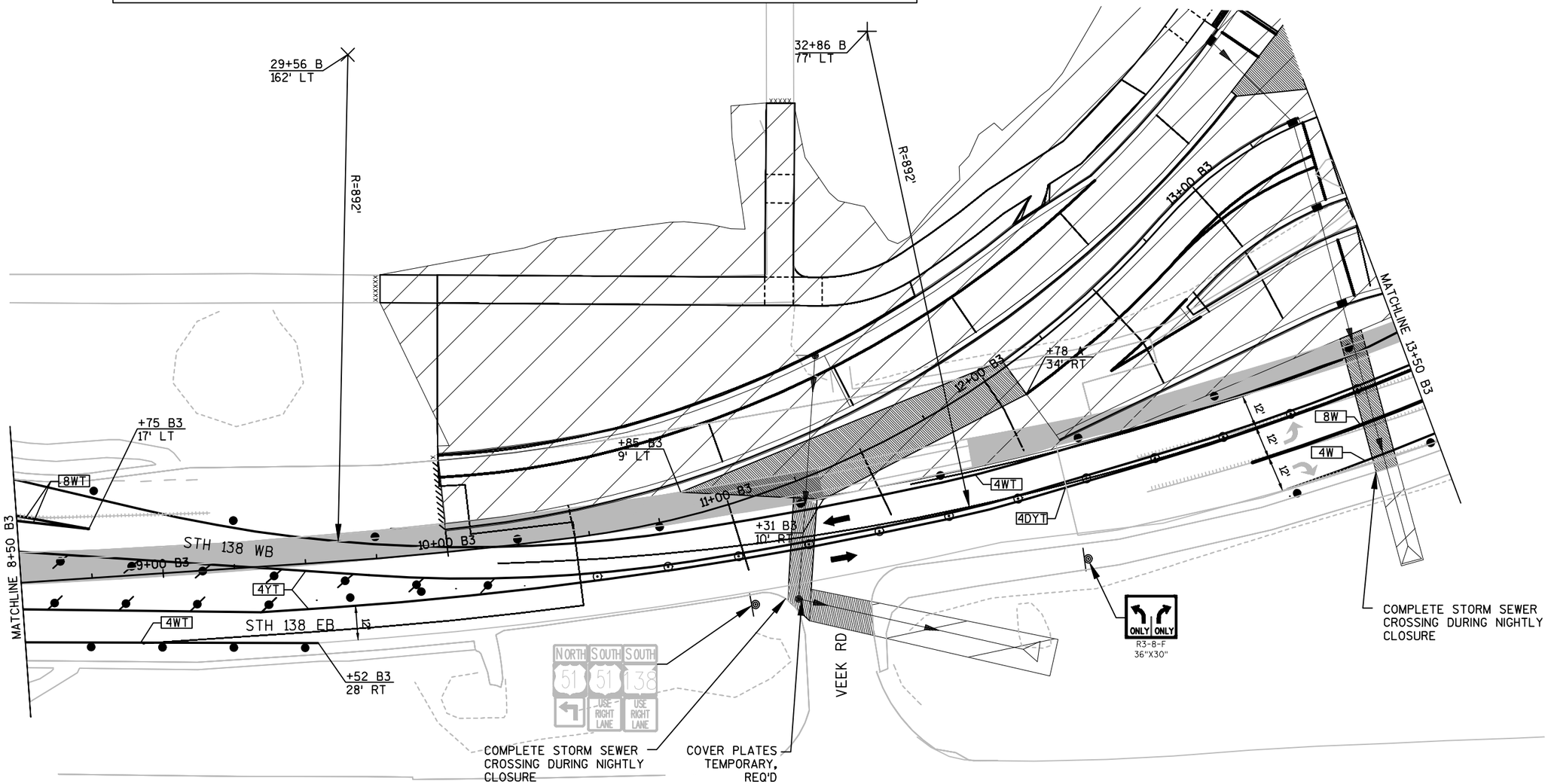
PLOT DATE : 8/31/2020 3:58 PM PLOT BY : SCHAUB, ALEX PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

LEGEND

WORK ZONE	4W — TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
TEMPORARY PAVEMENT PLACED THIS STAGE	4WT — TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
TEMPORARY PAVEMENT PLACED IN PREVIOUS STAGE	4DY — TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN	4YT — TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
TRAFFIC CONTROL SIGNS	4DYT — TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL SIGNS ON TEMPORARY SUPPORT	8W — TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT	8WT — TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
FLEXIBLE TUBULAR MARKER	18W — TEMPORARY MARKING STOP LINE PAINT 18-INCH (WHITE)
DIRECTION OF TRAFFIC	18WT — TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
FLASHING ARROW BOARD	AP — TEMPORARY MARKING ARROW PAINT
MARKING REMOVAL	AT — TEMPORARY MARKING ARROW REMOVABLE TAPE
SAWING CONCRETE	WP — TEMPORARY MARKING WORD PAINT
SAWING ASPHALT	



PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 2A	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\026001_S2A.DWG
LAYOUT NAME - 026008_S2A
PLOT DATE : 8/31/2020 3:58 PM PLOT BY : SCHAUB, ALEX PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

LEGEND

WORK ZONE	4W TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
TEMPORARY PAVEMENT PLACED THIS STAGE	4WT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
TEMPORARY PAVEMENT PLACED IN PREVIOUS STAGE	4DY TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN	4YT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
TRAFFIC CONTROL SIGNS	4DYT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL SIGNS ON TEMPORARY SUPPORT	8W TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT	8WT TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
FLEXIBLE TUBULAR MARKER	18W TEMPORARY MARKING STOP LINE PAINT 18-INCH (WHITE)
DIRECTION OF TRAFFIC	18WT TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
FLASHING ARROW BOARD	AP TEMPORARY MARKING ARROW PAINT
MARKING REMOVAL	AT TEMPORARY MARKING ARROW REMOVABLE TAPE
XXXX SAWING CONCRETE	WP TEMPORARY MARKING WORD PAINT
SAWING ASPHALT	

N

END ROAD WORK
G20-2A
48"X24"

STH 138 WB

STH 138 EB

ROAD WORK AHEAD
W20-1-A

4WT

25' (TYP.)

25' (TYP.)

LANE CLOSED
R11-2-L
48"X30"

200' 200' 200' 210' MERGING TAPER

W04-2R

RIGHT LANE CLOSED AHEAD
W20-5S-A

LANE CLOSED
R11-2-L
48"X30"

SIDEWALK CLOSED
R9-9
24"X12"

+32 B3
13' LT

MATCHLINE 8+50 B3

4WT

LANE CLOSED
R11-2-L
48"X30"

PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 2A	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\026001_S2A.DWG
LAYOUT NAME - 026009_S2A

PLOT DATE : 8/31/2020 3:58 PM PLOT BY : SCHAUB, ALEX PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

END ROAD WORK
G20-2A
48"X24"

ROAD WORK AHEAD
W20-1-A

LEFT LANE CLOSED AHEAD
W20-5S-A

200'

200'

200'

150' MERGING TAPER

W04-2L

150' SHIFTING TAPER

70' BUFFER

ONE WAY
R6-2R
24"X30"

USH 51 SB

USH 51 NB

8+00 A

9+00 A

10+00 A

+00 A

25' (TYP.)

4DYT

4DY

4W

11'

11'

MATCHLINE 10+75 A

ONE WAY
R6-2R
24"X30"

LEGEND

	WORK ZONE	4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
	TEMPORARY PAVEMENT PLACED THIS STAGE	4WT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
	TEMPORARY PAVEMENT PLACED IN PREVIOUS STAGE	4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
	TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN	4YT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
	TRAFFIC CONTROL SIGNS	4DYT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
	TRAFFIC CONTROL SIGNS ON TEMPORARY SUPPORT	8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
	TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT	8WT	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
	FLEXIBLE TUBULAR MARKER	18W	TEMPORARY MARKING STOP LINE PAINT 18-INCH (WHITE)
	DIRECTION OF TRAFFIC	18WT	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
	FLASHING ARROW BOARD	AP	TEMPORARY MARKING ARROW PAINT
	MARKING REMOVAL	AT	TEMPORARY MARKING ARROW REMOVABLE TAPE
XXXX	SAWING CONCRETE	WP	TEMPORARY MARKING WORD PAINT
	SAWING ASPHALT		

PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 2A	SHEET	E

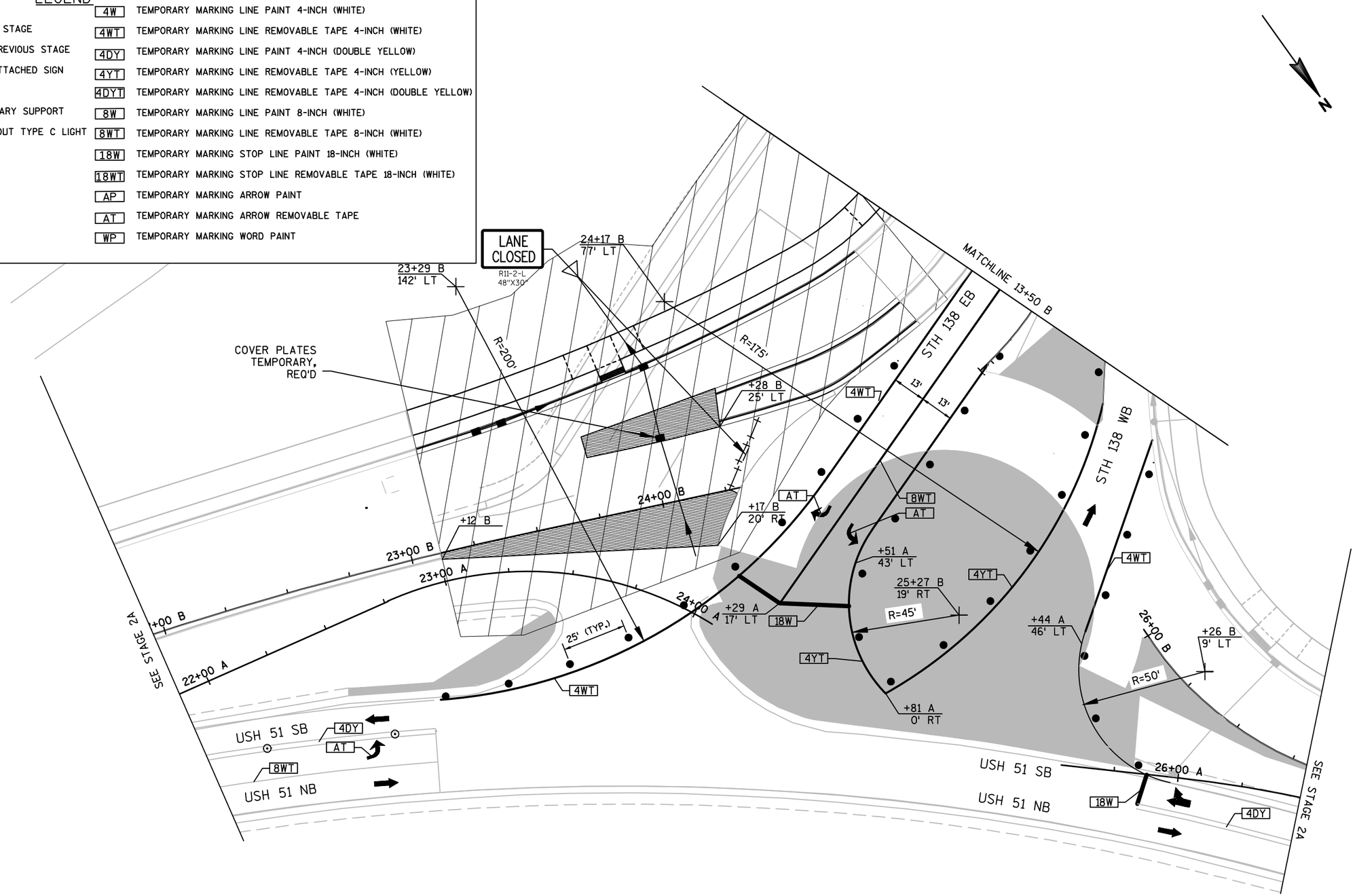
FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\026001_S2A.DWG
LAYOUT NAME - 026010_S2A

PLOT DATE : 8/31/2020 3:58 PM PLOT BY : SCHAUB, ALEX PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

	WORK ZONE	4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
	TEMPORARY PAVEMENT PLACED THIS STAGE	4WT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
	TEMPORARY PAVEMENT PLACED IN PREVIOUS STAGE	4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
	TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN	4YT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
	TRAFFIC CONTROL SIGNS	4DYT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
	TRAFFIC CONTROL SIGNS ON TEMPORARY SUPPORT	8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
	TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT	8WT	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
	FLEXIBLE TUBULAR MARKER	18W	TEMPORARY MARKING STOP LINE PAINT 18-INCH (WHITE)
	DIRECTION OF TRAFFIC	18WT	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
	FLASHING ARROW BOARD	AP	TEMPORARY MARKING ARROW PAINT
	MARKING REMOVAL	AT	TEMPORARY MARKING ARROW REMOVABLE TAPE
XXXX	SAWING CONCRETE	WP	TEMPORARY MARKING WORD PAINT
	SAWING ASPHALT		



PROJECT NO:5845-01-76	HWY:USH 51	COUNTY:DANE	TRAFFIC CONTROL: STAGE 2B	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\026001_S2B.DWG
LAYOUT NAME - 026001_S2B
PLOT DATE : 8/31/2020 3:59 PM PLOT BY : SCHAUB, ALEX PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

LEGEND

	WORK ZONE	4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
	TEMPORARY PAVEMENT PLACED THIS STAGE	4WT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
	TEMPORARY PAVEMENT PLACED IN PREVIOUS STAGE	4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
	TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN	4YT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
	TRAFFIC CONTROL SIGNS	4DYT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
	TRAFFIC CONTROL SIGNS ON TEMPORARY SUPPORT	8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
	TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT	8WT	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
	FLEXIBLE TUBULAR MARKER	18W	TEMPORARY MARKING STOP LINE PAINT 18-INCH (WHITE)
	DIRECTION OF TRAFFIC	18WT	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
	FLASHING ARROW BOARD	AP	TEMPORARY MARKING ARROW PAINT
	MARKING REMOVAL	AT	TEMPORARY MARKING ARROW REMOVABLE TAPE
XXXX	SAWING CONCRETE	WP	TEMPORARY MARKING WORD PAINT
	SAWING ASPHALT		

N

32+35 B
239' LT

R=828'

13+00 B3

LANE CLOSED
R11-2-L
48"X30"

MATCHLINE 13+50 B3

12+00 B3

4YT

11+00 B3

STH 138 WB

10+00 B3

4YT

9+00 B3

4WT

STH 138 EB

11'

+00 B3
12' RT

25' (TYP.)

SEE STAGE 2A

SIDEWALK CLOSED
R9-9
24"X12"

LANE CLOSED
R11-2-L
48"X30"

NORTH 51 USE RIGHT LANE
SOUTH 51 USE RIGHT LANE
SOUTH 138
MOVE

PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 2B	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\026001_S2B.DWG
LAYOUT NAME - 026002_S2B

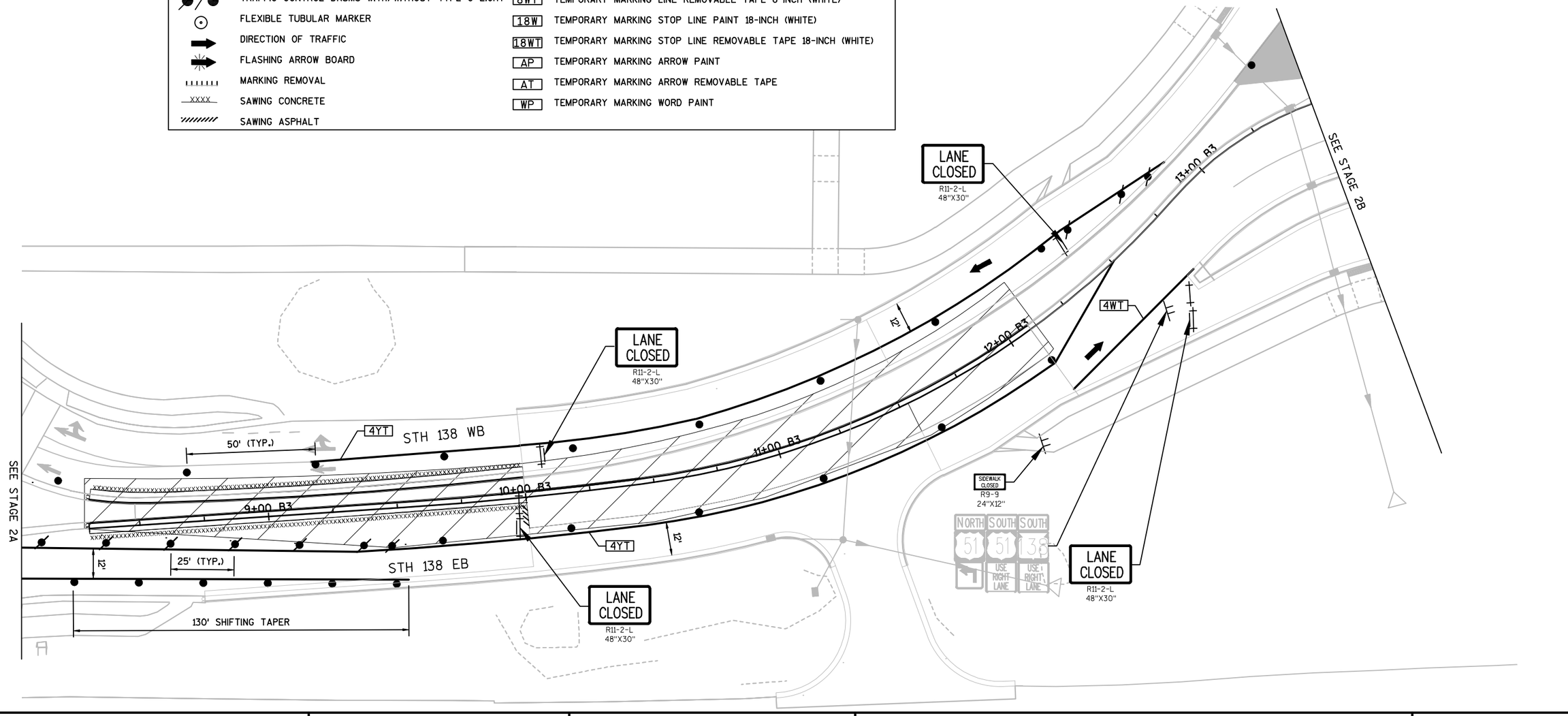
PLOT DATE : 8/31/2020 3:59 PM PLOT BY : SCHAUB, ALEX PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

LEGEND

	WORK ZONE	4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
	TEMPORARY PAVEMENT PLACED THIS STAGE	4WT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
	TEMPORARY PAVEMENT PLACED IN PREVIOUS STAGE	4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
	TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN	4YT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
	TRAFFIC CONTROL SIGNS	4DYT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
	TRAFFIC CONTROL SIGNS ON TEMPORARY SUPPORT	8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
	TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT	8WT	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
	FLEXIBLE TUBULAR MARKER	18W	TEMPORARY MARKING STOP LINE PAINT 18-INCH (WHITE)
	DIRECTION OF TRAFFIC	18WT	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
	FLASHING ARROW BOARD	AP	TEMPORARY MARKING ARROW PAINT
	MARKING REMOVAL	AT	TEMPORARY MARKING ARROW REMOVABLE TAPE
XXXX	SAWING CONCRETE	WP	TEMPORARY MARKING WORD PAINT
	SAWING ASPHALT		



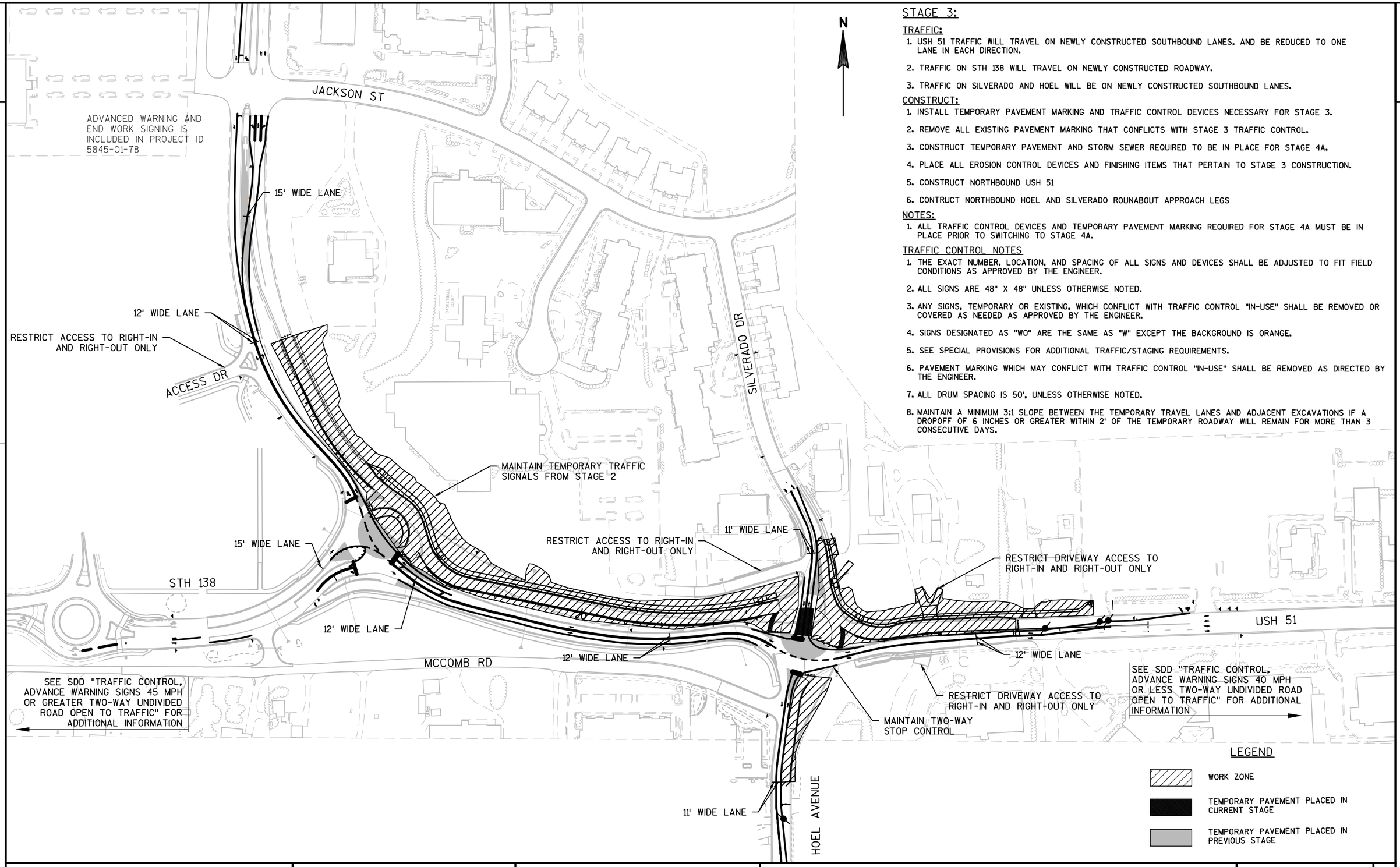
PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 2C	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\026001_S2C.DWG
LAYOUT NAME - 026001_S2C

PLOT DATE : 8/31/2020 4:00 PM PLOT BY : SCHAUB, ALEX PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2



STAGE 3:

TRAFFIC:

1. USH 51 TRAFFIC WILL TRAVEL ON NEWLY CONSTRUCTED SOUTHBOUND LANES, AND BE REDUCED TO ONE LANE IN EACH DIRECTION.
2. TRAFFIC ON STH 138 WILL TRAVEL ON NEWLY CONSTRUCTED ROADWAY.
3. TRAFFIC ON SILVERADO AND HOEL WILL BE ON NEWLY CONSTRUCTED SOUTHBOUND LANES.

CONSTRUCT:

1. INSTALL TEMPORARY PAVEMENT MARKING AND TRAFFIC CONTROL DEVICES NECESSARY FOR STAGE 3.
2. REMOVE ALL EXISTING PAVEMENT MARKING THAT CONFLICTS WITH STAGE 3 TRAFFIC CONTROL.
3. CONSTRUCT TEMPORARY PAVEMENT AND STORM SEWER REQUIRED TO BE IN PLACE FOR STAGE 4A.
4. PLACE ALL EROSION CONTROL DEVICES AND FINISHING ITEMS THAT PERTAIN TO STAGE 3 CONSTRUCTION.
5. CONSTRUCT NORTHBOUND USH 51
6. CONTRUCT NORTHBOUND HOEL AND SILVERADO ROUNABOUT APPROACH LEGS

NOTES:

1. ALL TRAFFIC CONTROL DEVICES AND TEMPORARY PAVEMENT MARKING REQUIRED FOR STAGE 4A MUST BE IN PLACE PRIOR TO SWITCHING TO STAGE 4A.

TRAFFIC CONTROL NOTES

1. THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.
2. ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.
3. ANY SIGNS, TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN-USE" SHALL BE REMOVED OR COVERED AS NEEDED AS APPROVED BY THE ENGINEER.
4. SIGNS DESIGNATED AS "WO" ARE THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.
5. SEE SPECIAL PROVISIONS FOR ADDITIONAL TRAFFIC/STAGING REQUIREMENTS.
6. PAVEMENT MARKING WHICH MAY CONFLICT WITH TRAFFIC CONTROL "IN-USE" SHALL BE REMOVED AS DIRECTED BY THE ENGINEER.
7. ALL DRUM SPACING IS 50', UNLESS OTHERWISE NOTED.
8. MAINTAIN A MINIMUM 3:1 SLOPE BETWEEN THE TEMPORARY TRAVEL LANES AND ADJACENT EXCAVATIONS IF A DROPOFF OF 6 INCHES OR GREATER WITHIN 2' OF THE TEMPORARY ROADWAY WILL REMAIN FOR MORE THAN 3 CONSECUTIVE DAYS.

PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	PLAN: STAGING OVERVIEW STAGE 3	SHEET	E

2

LEGEND

	WORK ZONE
	TEMPORARY PAVEMENT PLACED THIS STAGE
	TEMPORARY PAVEMENT PLACED IN PREVIOUS STAGE
	TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
	TRAFFIC CONTROL SIGNS
	TRAFFIC CONTROL SIGNS ON TEMPORARY SUPPORT
	TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT
	FLEXIBLE TUBULAR MARKER
	DIRECTION OF TRAFFIC
	FLASHING ARROW BOARD
	MARKING REMOVAL
XXXX	SAWING CONCRETE
	SAWING ASPHALT

4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
4WT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
4YT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
4DYT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
8WT	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
18W	TEMPORARY MARKING STOP LINE PAINT 18-INCH (WHITE)
18WT	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
AP	TEMPORARY MARKING ARROW PAINT
AT	TEMPORARY MARKING ARROW REMOVABLE TAPE
WP	TEMPORARY MARKING WORD PAINT

N

END ROAD WORK
G20-2A
48"X24"

USH 51 SB

USH 51 NB

200' 200' 200'

ROAD WORK AHEAD
W20-1-A

RIGHT LANE CLOSED AHEAD
W20-5-A

W4-2R
36"X36"

SIDEWALK CLOSED
R9-9
24"X12"

W1-4L
30"X30"

125' MERGING TAPER

55' BUFFER

25' (TYP.)

160' SHIFTING TAPER

55' BUFFER

25' (TYP.)

4DYT

4WT

8+00 A

9+00 A

10+00 A

MATCHLINE 10+75 A

LANE CLOSED
R11-2-L
48"X30"

PROJECT NO:5845-01-76	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 3	SHEET	E

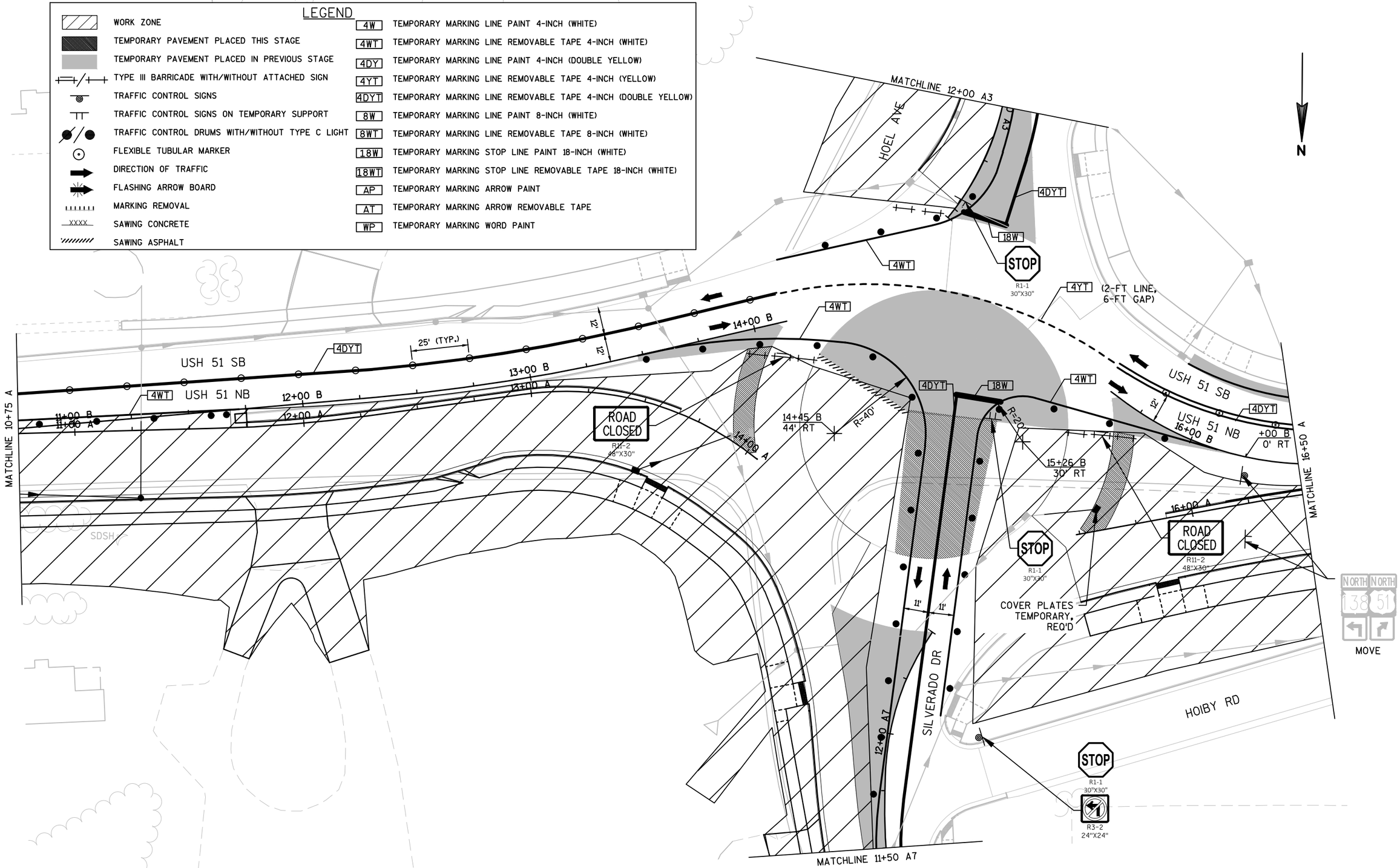
FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\026001_S3.DWG
LAYOUT NAME - 026001_S3

PLOT DATE : 9/1/2020 10:18 AM PLOT BY : BECKER, ELISA PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

	WORK ZONE	4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
	TEMPORARY PAVEMENT PLACED THIS STAGE	4WT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
	TEMPORARY PAVEMENT PLACED IN PREVIOUS STAGE	4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
	TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN	4YT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
	TRAFFIC CONTROL SIGNS	4DYT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
	TRAFFIC CONTROL SIGNS ON TEMPORARY SUPPORT	8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
	TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT	8WT	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
	FLEXIBLE TUBULAR MARKER	18W	TEMPORARY MARKING STOP LINE PAINT 18-INCH (WHITE)
	DIRECTION OF TRAFFIC	18WT	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
	FLASHING ARROW BOARD	AP	TEMPORARY MARKING ARROW PAINT
	MARKING REMOVAL	AT	TEMPORARY MARKING ARROW REMOVABLE TAPE
XXXX	SAWING CONCRETE	WP	TEMPORARY MARKING WORD PAINT
	SAWING ASPHALT		



PROJECT NO:5845-01-76	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 3	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\026001_S3.DWG
LAYOUT NAME - 026002_S3
PLOT DATE : 9/1/2020 10:18 AM PLOT BY : BECKER, ELISA PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

'CCOMB RD

SOUTH 51 SOUTH 138
MOVE

OREGON
MADISON
MOVE

N

4WT
4DYT
25' (TYP.)
12'
USH 51 SB
USH 51 NB
+54 B
13' LT
17+00 B
17+00 A
18+00 B
18+00 A
19+00 B
19+00 A
20+00 B
20+00 A
21+00 B
21+00 A

MATCHLINE 16+50 A

MATCHLINE 21+75 A

LEGEND

	WORK ZONE	4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
	TEMPORARY PAVEMENT PLACED THIS STAGE	4WT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
	TEMPORARY PAVEMENT PLACED IN PREVIOUS STAGE	4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
	TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN	4YT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
	TRAFFIC CONTROL SIGNS	4DYT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
	TRAFFIC CONTROL SIGNS ON TEMPORARY SUPPORT	8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
	TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT	8WT	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
	FLEXIBLE TUBULAR MARKER	18W	TEMPORARY MARKING STOP LINE PAINT 18-INCH (WHITE)
	DIRECTION OF TRAFFIC	18WT	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
	FLASHING ARROW BOARD	AP	TEMPORARY MARKING ARROW PAINT
	MARKING REMOVAL	AT	TEMPORARY MARKING ARROW REMOVABLE TAPE
XXXX	SAWING CONCRETE	WP	TEMPORARY MARKING WORD PAINT
	SAWING ASPHALT		

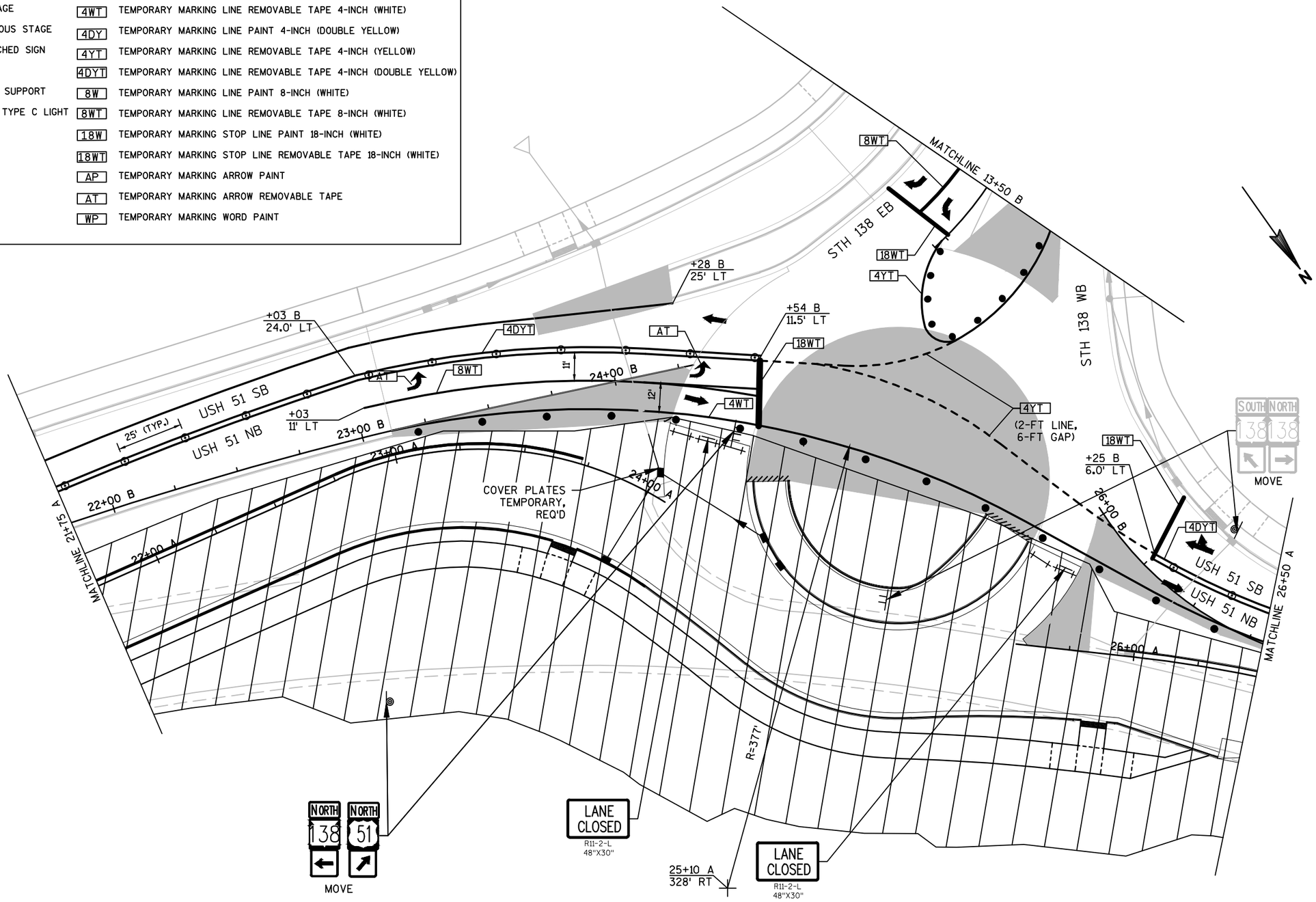
PROJECT NO:5845-01-76	HWY:USH 51	COUNTY:DANE	TRAFFIC CONTROL: STAGE 3	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\026001_S3.DWG
LAYOUT NAME - 026003_S3
PLOT DATE : 9/1/2020 10:18 AM PLOT BY : BECKER, ELISA PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

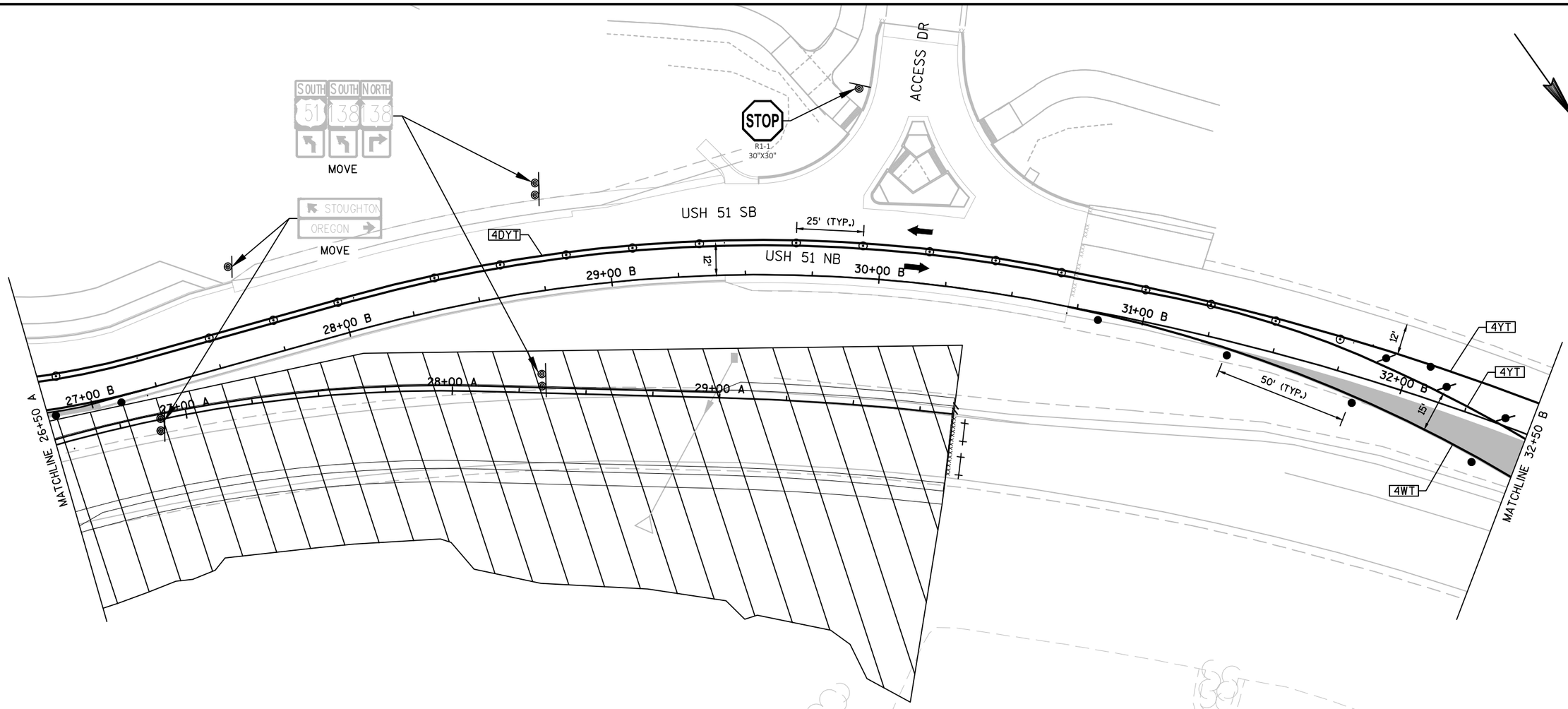
LEGEND

	WORK ZONE	4W — TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
	TEMPORARY PAVEMENT PLACED THIS STAGE	4WT — TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
	TEMPORARY PAVEMENT PLACED IN PREVIOUS STAGE	4DY — TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
	TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN	4YT — TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
	TRAFFIC CONTROL SIGNS	4DYT — TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
	TRAFFIC CONTROL SIGNS ON TEMPORARY SUPPORT	8W — TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
	TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT	8WT — TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
	FLEXIBLE TUBULAR MARKER	18W — TEMPORARY MARKING STOP LINE PAINT 18-INCH (WHITE)
	DIRECTION OF TRAFFIC	18WT — TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
	FLASHING ARROW BOARD	AP — TEMPORARY MARKING ARROW PAINT
	MARKING REMOVAL	AT — TEMPORARY MARKING ARROW REMOVABLE TAPE
XXXX	SAWING CONCRETE	WP — TEMPORARY MARKING WORD PAINT
	SAWING ASPHALT	



PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 3	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\026001_S3.DWG
LAYOUT NAME - 026004_S3
PLOT DATE : 9/1/2020 10:18 AM PLOT BY : BECKER, ELISA PLOT NAME : PLOT SCALE : 1 IN:40 FT



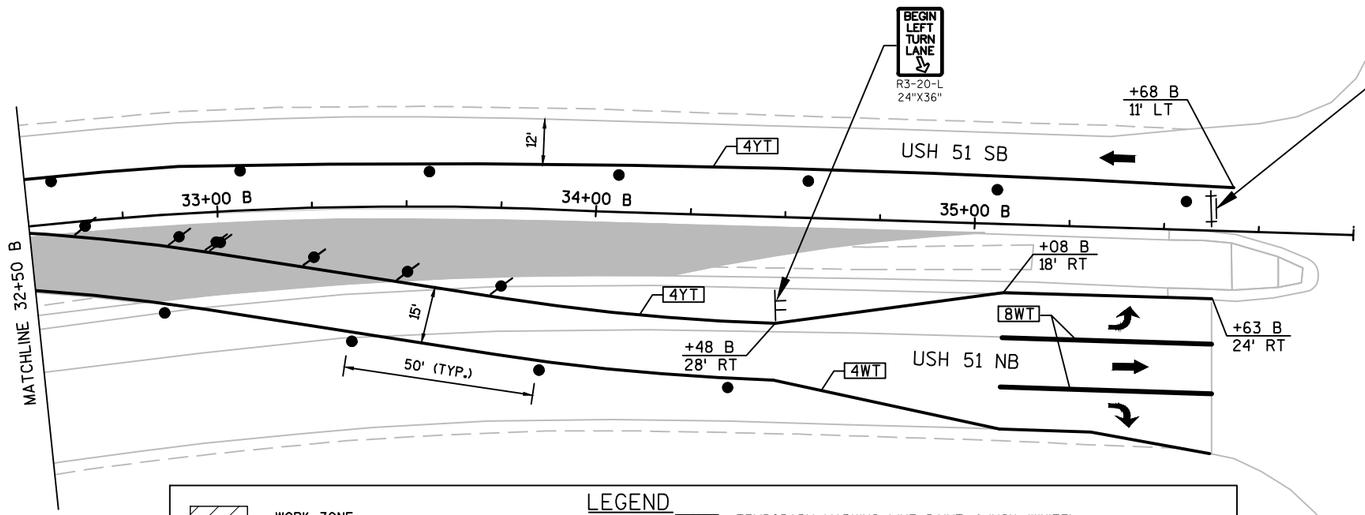
LEGEND

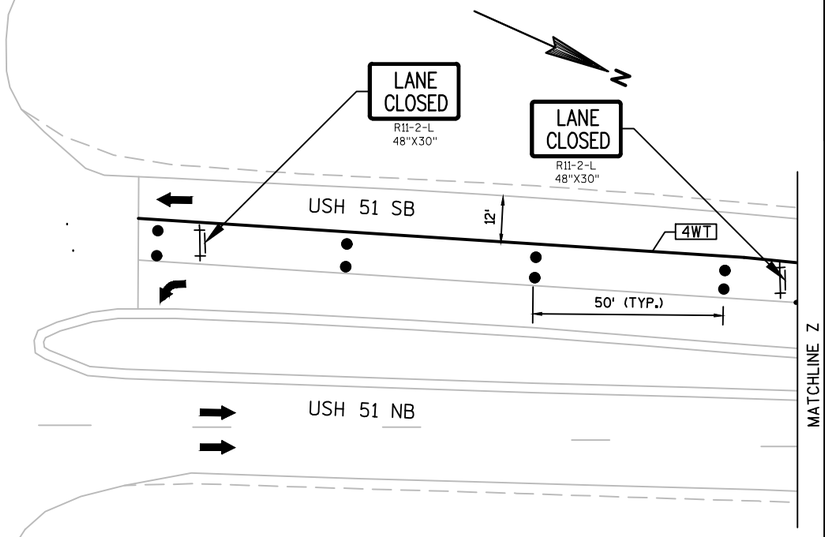
	WORK ZONE
	TEMPORARY PAVEMENT PLACED THIS STAGE
	TEMPORARY PAVEMENT PLACED IN PREVIOUS STAGE
	TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
	TRAFFIC CONTROL SIGNS
	TRAFFIC CONTROL SIGNS ON TEMPORARY SUPPORT
	TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT
	FLEXIBLE TUBULAR MARKER
	DIRECTION OF TRAFFIC
	FLASHING ARROW BOARD
	MARKING REMOVAL
XXXX	SAWING CONCRETE
	SAWING ASPHALT

4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
4WT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
4YT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
4DYT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
8WT	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
18W	TEMPORARY MARKING STOP LINE PAINT 18-INCH (WHITE)
18WT	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
AP	TEMPORARY MARKING ARROW PAINT
AT	TEMPORARY MARKING ARROW REMOVABLE TAPE
WP	TEMPORARY MARKING WORD PAINT

PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 3	SHEET	E

2

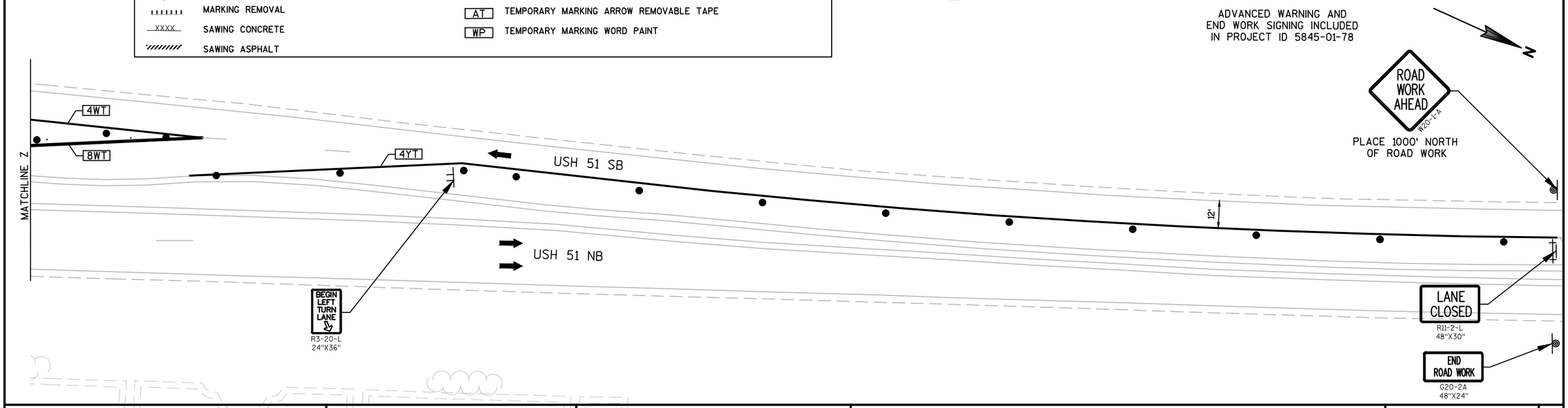




LEGEND

	WORK ZONE	4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
	TEMPORARY PAVEMENT PLACED THIS STAGE	4WT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
	TEMPORARY PAVEMENT PLACED IN PREVIOUS STAGE	4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
	TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN	4YT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
	TRAFFIC CONTROL SIGNS	4DYT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
	TRAFFIC CONTROL SIGNS ON TEMPORARY SUPPORT	8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
	TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT	8WT	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
	FLEXIBLE TUBULAR MARKER	18W	TEMPORARY MARKING STOP LINE PAINT 18-INCH (WHITE)
	DIRECTION OF TRAFFIC	18WT	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
	FLASHING ARROW BOARD	AP	TEMPORARY MARKING ARROW PAINT
	MARKING REMOVAL	AT	TEMPORARY MARKING ARROW REMOVABLE TAPE
XXXX	SAWING CONCRETE	WP	TEMPORARY MARKING WORD PAINT
	SAWING ASPHALT		

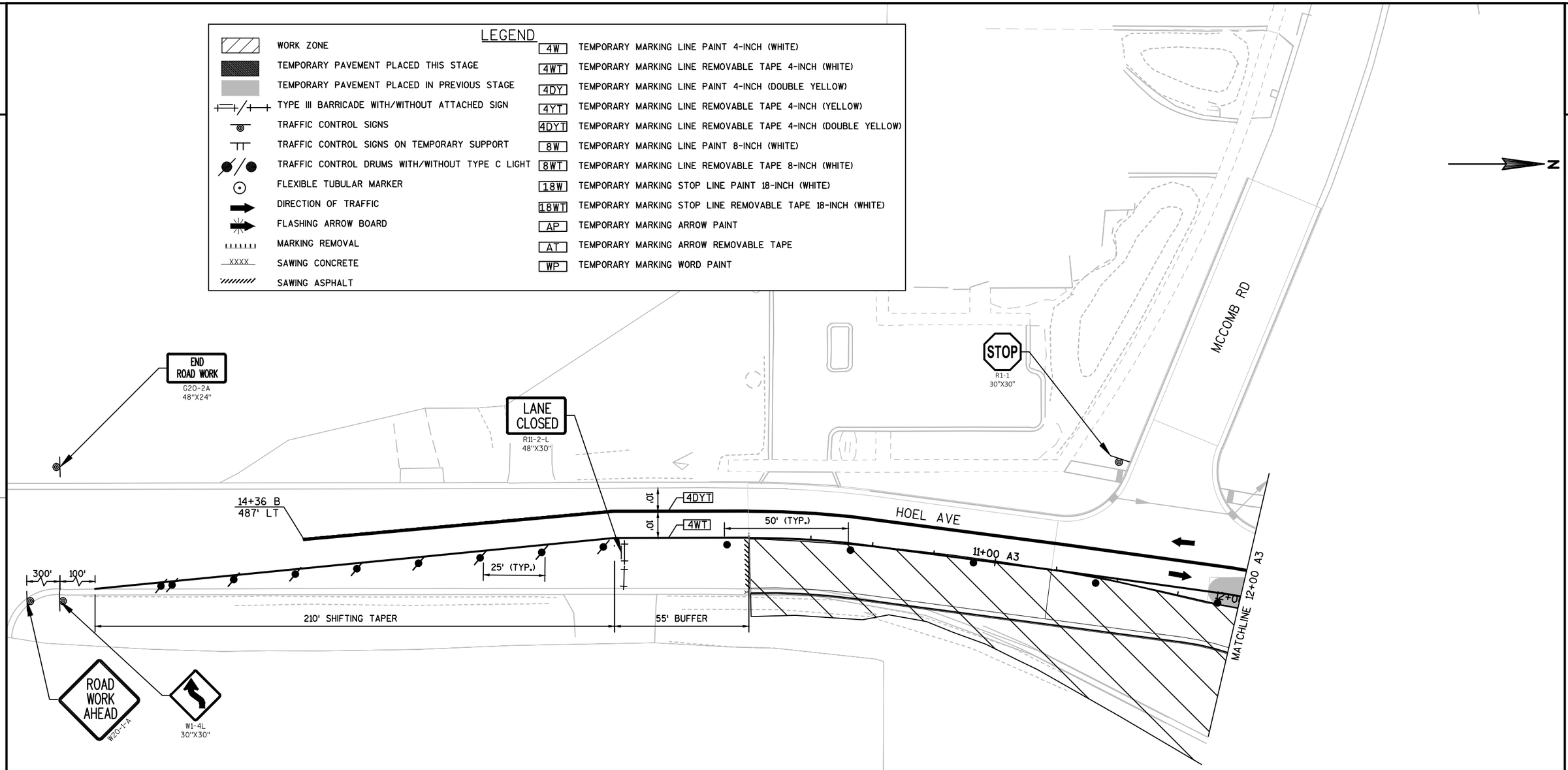
ADVANCED WARNING AND
END WORK SIGNING INCLUDED
IN PROJECT ID 5845-01-78



PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 3	SHEET	E

LEGEND

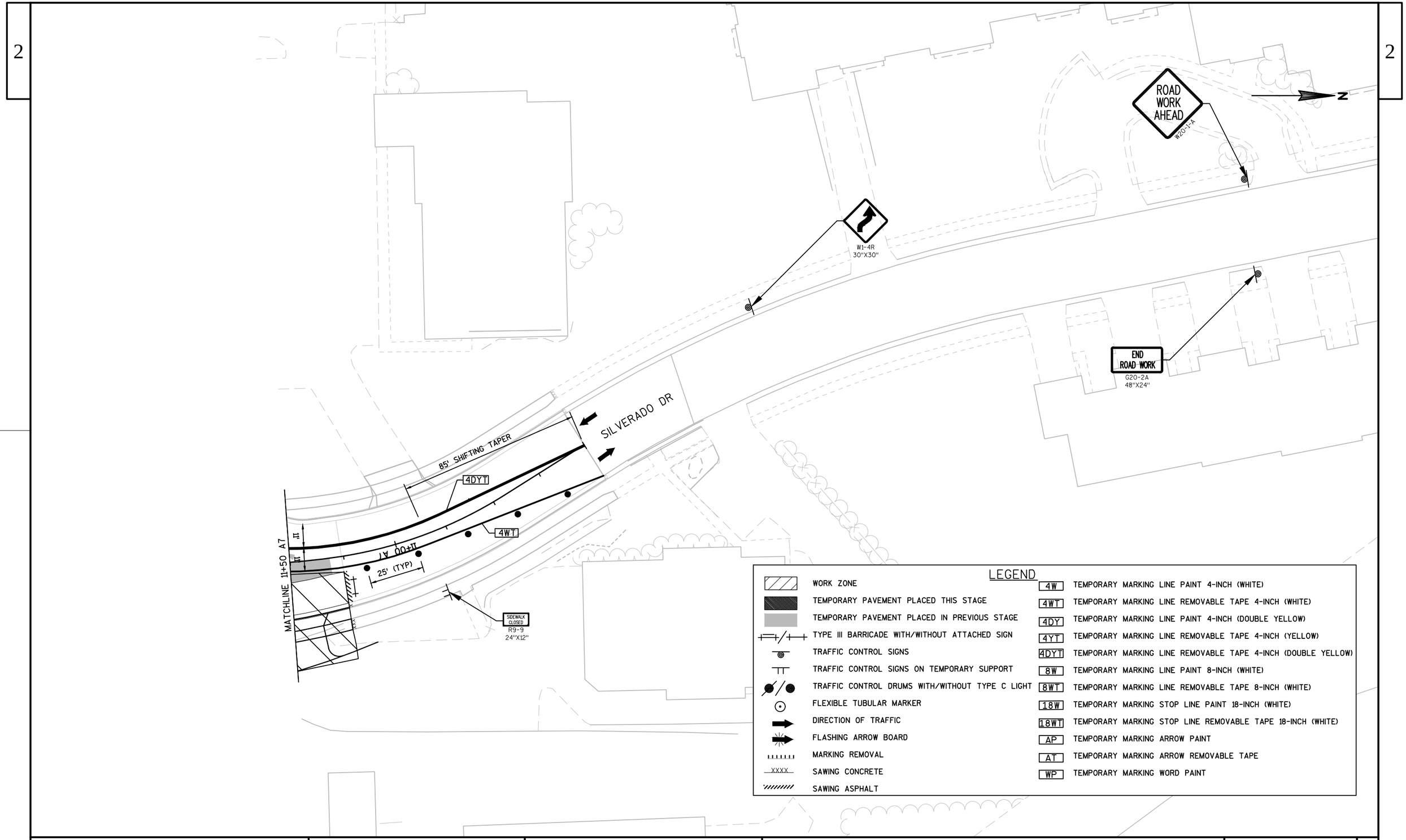
	WORK ZONE	4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
	TEMPORARY PAVEMENT PLACED THIS STAGE	4WT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
	TEMPORARY PAVEMENT PLACED IN PREVIOUS STAGE	4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
	TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN	4YT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
	TRAFFIC CONTROL SIGNS	4DYT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
	TRAFFIC CONTROL SIGNS ON TEMPORARY SUPPORT	8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
	TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT	8WT	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
	FLEXIBLE TUBULAR MARKER	18W	TEMPORARY MARKING STOP LINE PAINT 18-INCH (WHITE)
	DIRECTION OF TRAFFIC	18WT	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
	FLASHING ARROW BOARD	AP	TEMPORARY MARKING ARROW PAINT
	MARKING REMOVAL	AT	TEMPORARY MARKING ARROW REMOVABLE TAPE
XXXX	SAWING CONCRETE	WP	TEMPORARY MARKING WORD PAINT
	SAWING ASPHALT		



PROJECT NO:5845-01-76	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 3	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\026001_S3.DWG
LAYOUT NAME - 026007_S3
PLOT DATE : 9/1/2020 10:19 AM PLOT BY : BECKER, ELISA PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 3	SHEET	E

2

2

LEGEND

	WORK ZONE	4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
	TEMPORARY PAVEMENT PLACED THIS STAGE	4WT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
	TEMPORARY PAVEMENT PLACED IN PREVIOUS STAGE	4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
	TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN	4YT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
	TRAFFIC CONTROL SIGNS	4DYT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
	TRAFFIC CONTROL SIGNS ON TEMPORARY SUPPORT	8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
	TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT	8WT	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
	FLEXIBLE TUBULAR MARKER	18W	TEMPORARY MARKING STOP LINE PAINT 18-INCH (WHITE)
	DIRECTION OF TRAFFIC	18WT	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
	FLASHING ARROW BOARD	AP	TEMPORARY MARKING ARROW PAINT
	MARKING REMOVAL	AT	TEMPORARY MARKING ARROW REMOVABLE TAPE
XXXX	SAWING CONCRETE	WP	TEMPORARY MARKING WORD PAINT
	SAWING ASPHALT		

N

STH 138 WB

STH 138 EB

9+00 B3

10+00 B3

11+00 B3

12+00 B3

13+00 B3

MATCHLINE 13+50 B3

8WT

END ROAD WORK
G20-2A
48"X24"

ROAD WORK AHEAD
W20-1-A

LANE CLOSED
R11-2-L
48"X30"

NORTH	SOUTH	SOUTH
51	51	138
	USE RIGHT LANE	USE RIGHT LANE

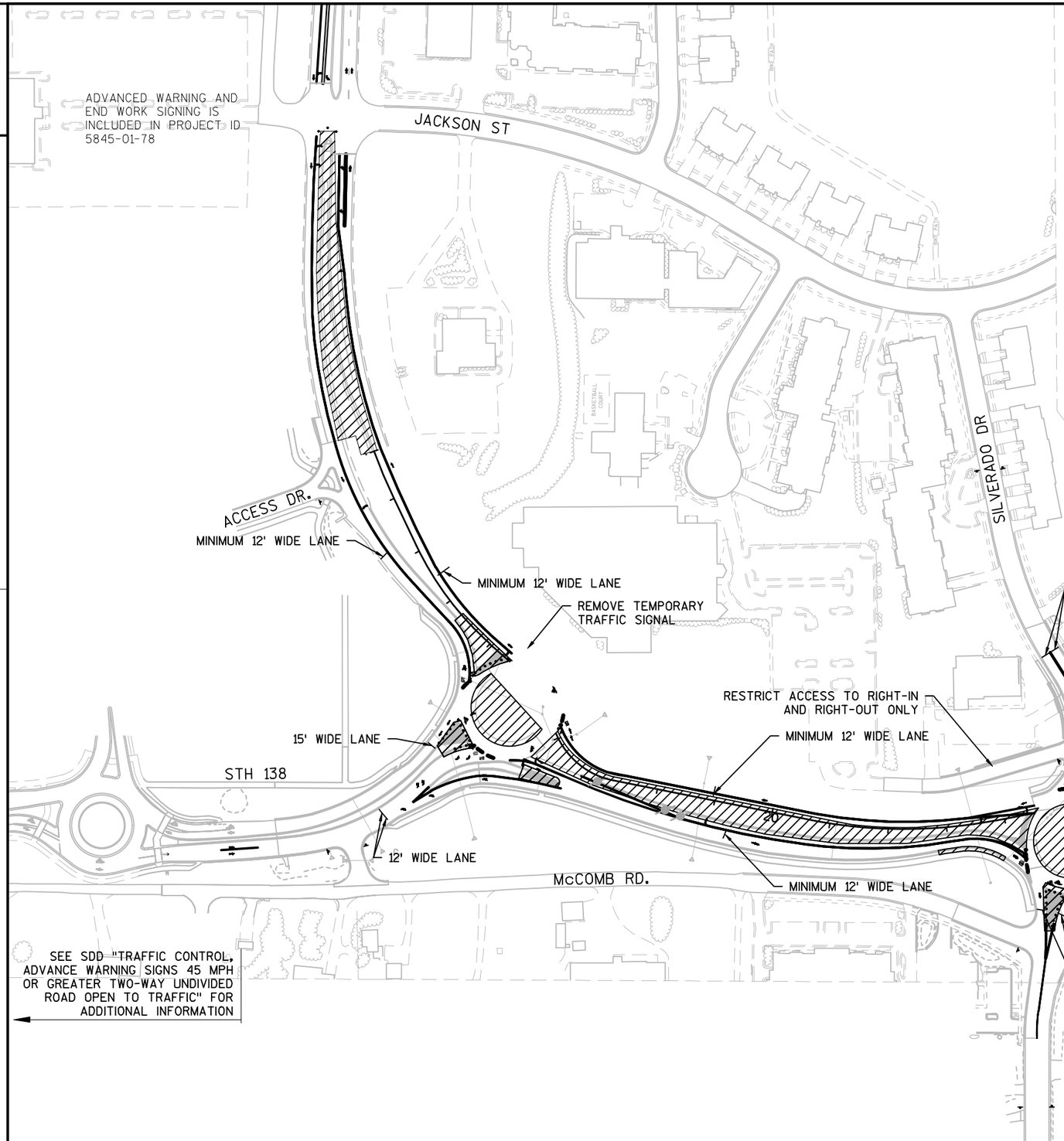
MOVE

PROJECT NO:5845-01-76	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 3	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\026001_S3.DWG
LAYOUT NAME - 026009_S3

PLOT DATE : 9/1/2020 10:19 AM PLOT BY : BECKER, ELISA PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42



N

STAGE 4:

TRAFFIC:

1. USH 51 TRAFFIC WILL TRAVEL ON ONE LANE OF NEWLY CONSTRUCTED ROADWAY IN EACH DIRECTION.
2. TRAFFIC ON STH 138, HOEL AVENUE AND SILVERADO DRIVE WILL TRAVEL ON NEWLY CONSTRUCTED ROADWAY.

CONSTRUCT:

1. INSTALL TEMPORARY PAVEMENT MARKING AND TRAFFIC CONTROL DEVICES NECESSARY FOR STAGE 4.
2. REMOVE ALL EXISTING PAVEMENT MARKING THAT CONFLICTS WITH STAGE 4 TRAFFIC CONTROL.
3. PLACE ALL EROSION CONTROL DEVICES AND FINISHING ITEMS THAT PERTAIN TO STAGE 4 CONSTRUCTION.
4. CONSTRUCT ROUNDABOUT CENTRAL ISLANDS AND USH 51 MEDIAN IN STAGE 4A. IN STAGE 4B, CONSTRUCT HOEL AVENUE, SILVERADO DRIVE, AND STH 138 SPLITTER ISLANDS.
5. PLACE HMA PAVEMENT 4 MT 58-28 H, 2 INCHES (UPPER LAYER) UTILIZING SINGLE LANE CLOSURES.

NOTES:

1. ALL TRAFFIC CONTROL DEVICES AND TEMPORARY PAVEMENT MARKING REQUIRED FOR STAGE 4 MUST BE IN PLACE PRIOR TO SWITCHING TO STAGE 4.

TRAFFIC CONTROL NOTES

1. THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.
2. ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.
3. ANY SIGNS, TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN-USE" SHALL BE REMOVED OR COVERED AS NEEDED AS APPROVED BY THE ENGINEER.
4. SIGNS DESIGNATED AS "WO" ARE THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.
5. SEE SPECIAL PROVISIONS FOR ADDITIONAL TRAFFIC/STAGING REQUIREMENTS.
6. PAVEMENT MARKING WHICH MAY CONFLICT WITH TRAFFIC CONTROL "IN-USE" SHALL BE REMOVED AS DIRECTED BY THE ENGINEER.
7. ALL DRUM SPACING IS 50', UNLESS OTHERWISE NOTED.
8. MAINTAIN A MINIMUM 3:1 SLOPE BETWEEN THE TEMPORARY TRAVEL LANES AND ADJACENT EXCAVATIONS IF A DROPOFF OF 6 INCHES OR GREATER WITHIN 2' OF THE TEMPORARY ROADWAY WILL REMAIN FOR MORE THAN 3 CONSECUTIVE DAYS.

PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	PLAN: STAGING OVERVIEW STAGE 4	SHEET	E

2

2

LEGEND

	WORK ZONE
	TEMPORARY PAVEMENT PLACED THIS STAGE
	TEMPORARY PAVEMENT PLACED IN PREVIOUS STAGE
	TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
	TRAFFIC CONTROL SIGNS
	TRAFFIC CONTROL SIGNS ON TEMPORARY SUPPORT
	TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT
	FLEXIBLE TUBULAR MARKER
	DIRECTION OF TRAFFIC
	FLASHING ARROW BOARD
	MARKING REMOVAL
XXXX	SAWING CONCRETE
	SAWING ASPHALT

4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
4WT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
4YT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
4DYT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
8WT	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
18W	TEMPORARY MARKING STOP LINE PAINT 18-INCH (WHITE)
18WT	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
AP	TEMPORARY MARKING ARROW PAINT
AT	TEMPORARY MARKING ARROW REMOVABLE TAPE
WP	TEMPORARY MARKING WORD PAINT

N

END ROAD WORK
G20-2A
48"X24"

ONE WAY
R6-2R
24"X30"

ONE WAY
R6-2R
24"X30"

ONE WAY
R6-2R
24"X30"

USH 51 SB

USH 51 NB

8+00 A

9+00 A

10+00 A

MATCHLINE 10+75 A

4YT

4YT

4YT

11'

11'

25' (TYP.)

50' (TYP.)

125' MERGING TAPER

200'

200'

W4-2L
36"X36"

LEFT LANE CLOSED AHEAD
W20-5S-A

ROAD WORK AHEAD
W20-1-A

LANE CLOSED
R11-2-L
48"X30"

PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 4A	SHEET	E

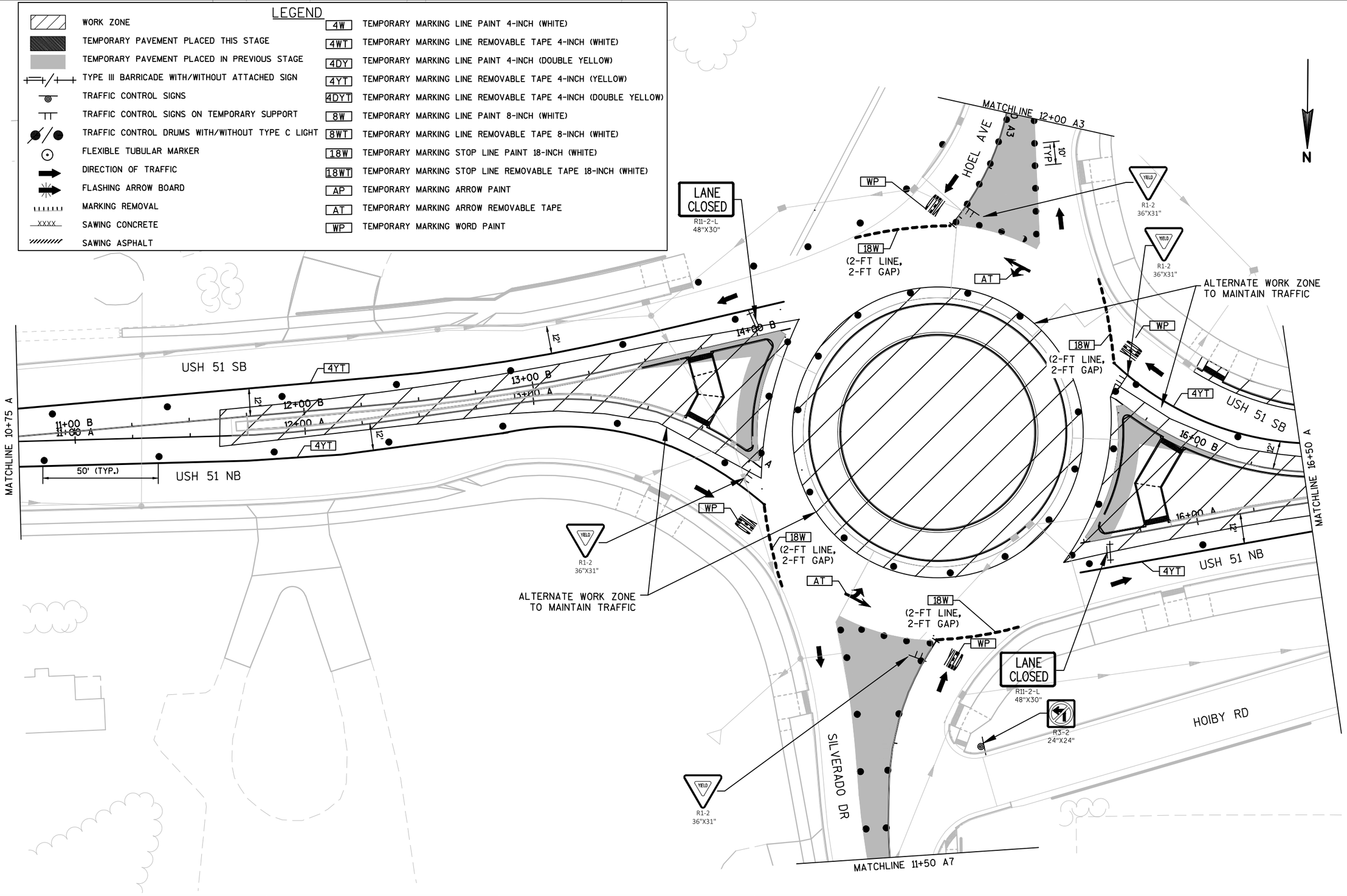
FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\026001_S4A.DWG
LAYOUT NAME - 026001_S4A

PLOT DATE : 8/31/2020 4:06 PM PLOT BY : SCHAUB, ALEX PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

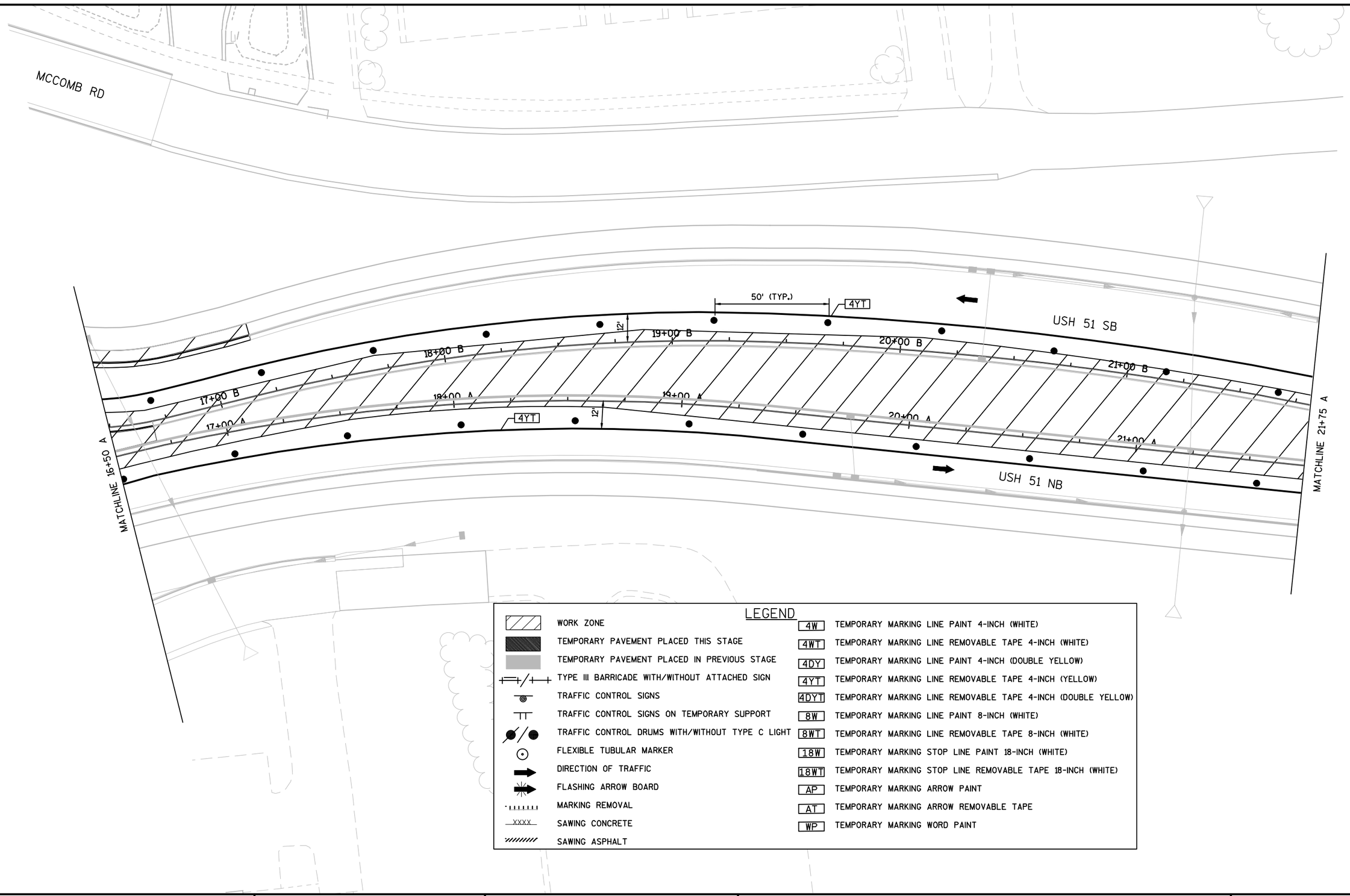
	WORK ZONE	4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
	TEMPORARY PAVEMENT PLACED THIS STAGE	4WT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
	TEMPORARY PAVEMENT PLACED IN PREVIOUS STAGE	4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
	TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN	4YT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
	TRAFFIC CONTROL SIGNS	4DYT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
	TRAFFIC CONTROL SIGNS ON TEMPORARY SUPPORT	8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
	TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT	8WT	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
	FLEXIBLE TUBULAR MARKER	18W	TEMPORARY MARKING STOP LINE PAINT 18-INCH (WHITE)
	DIRECTION OF TRAFFIC	18WT	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
	FLASHING ARROW BOARD	AP	TEMPORARY MARKING ARROW PAINT
	MARKING REMOVAL	AT	TEMPORARY MARKING ARROW REMOVABLE TAPE
XXXX	SAWING CONCRETE	WP	TEMPORARY MARKING WORD PAINT
	SAWING ASPHALT		



PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 4A	SHEET E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\026001_S4A.DWG
LAYOUT NAME - 026002_S4A
PLOT DATE : 8/31/2020 4:06 PM PLOT BY : SCHAUB, ALEX PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT PLACED THIS STAGE
- TEMPORARY PAVEMENT PLACED IN PREVIOUS STAGE
- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT
- FLEXIBLE TUBULAR MARKER
- DIRECTION OF TRAFFIC
- FLASHING ARROW BOARD
- MARKING REMOVAL
- XXXX SAWING CONCRETE
- SAWING ASPHALT

4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
4WT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
4YT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
4DYT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
8WT	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
18W	TEMPORARY MARKING STOP LINE PAINT 18-INCH (WHITE)
18WT	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
AP	TEMPORARY MARKING ARROW PAINT
AT	TEMPORARY MARKING ARROW REMOVABLE TAPE
WP	TEMPORARY MARKING WORD PAINT

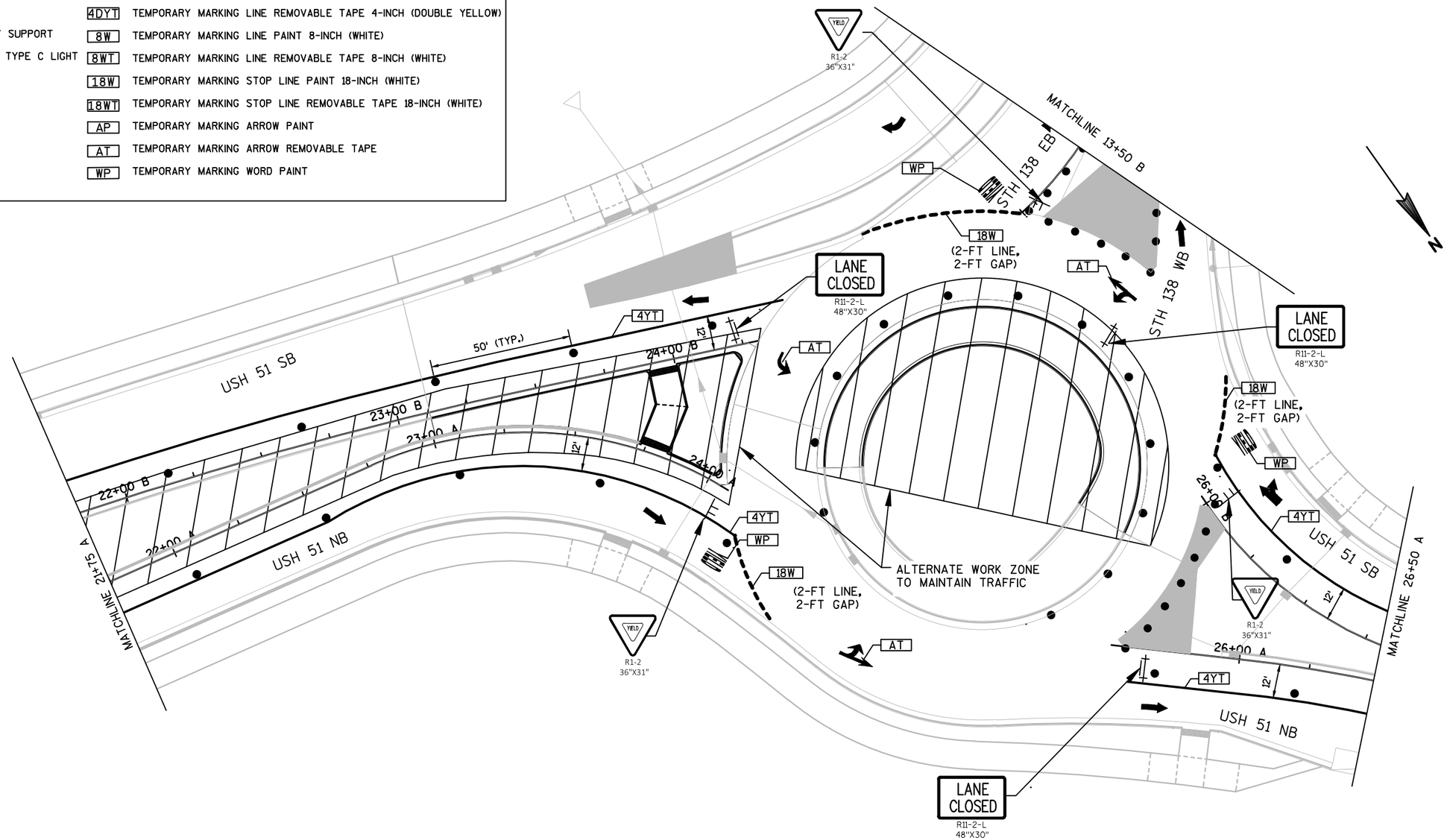
PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 4A	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\026001_S4A.DWG
LAYOUT NAME - 026003_S4A
PLOT DATE : 8/31/2020 4:06 PM PLOT BY : SCHAUB, ALEX PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

	WORK ZONE	4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
	TEMPORARY PAVEMENT PLACED THIS STAGE	4WT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
	TEMPORARY PAVEMENT PLACED IN PREVIOUS STAGE	4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
	TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN	4YT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
	TRAFFIC CONTROL SIGNS	4DYT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
	TRAFFIC CONTROL SIGNS ON TEMPORARY SUPPORT	8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
	TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT	8WT	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
	FLEXIBLE TUBULAR MARKER	18W	TEMPORARY MARKING STOP LINE PAINT 18-INCH (WHITE)
	DIRECTION OF TRAFFIC	18WT	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
	FLASHING ARROW BOARD	AP	TEMPORARY MARKING ARROW PAINT
	MARKING REMOVAL	AT	TEMPORARY MARKING ARROW REMOVABLE TAPE
XXXX	SAWING CONCRETE	WP	TEMPORARY MARKING WORD PAINT
	SAWING ASPHALT		



PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 4A	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\026001_S4A.DWG
LAYOUT NAME - 026004_S4A
PLOT DATE : 8/31/2020 4:06 PM PLOT BY : SCHAUB, ALEX PLOT NAME : PLOT SCALE : 1 IN:40 FT

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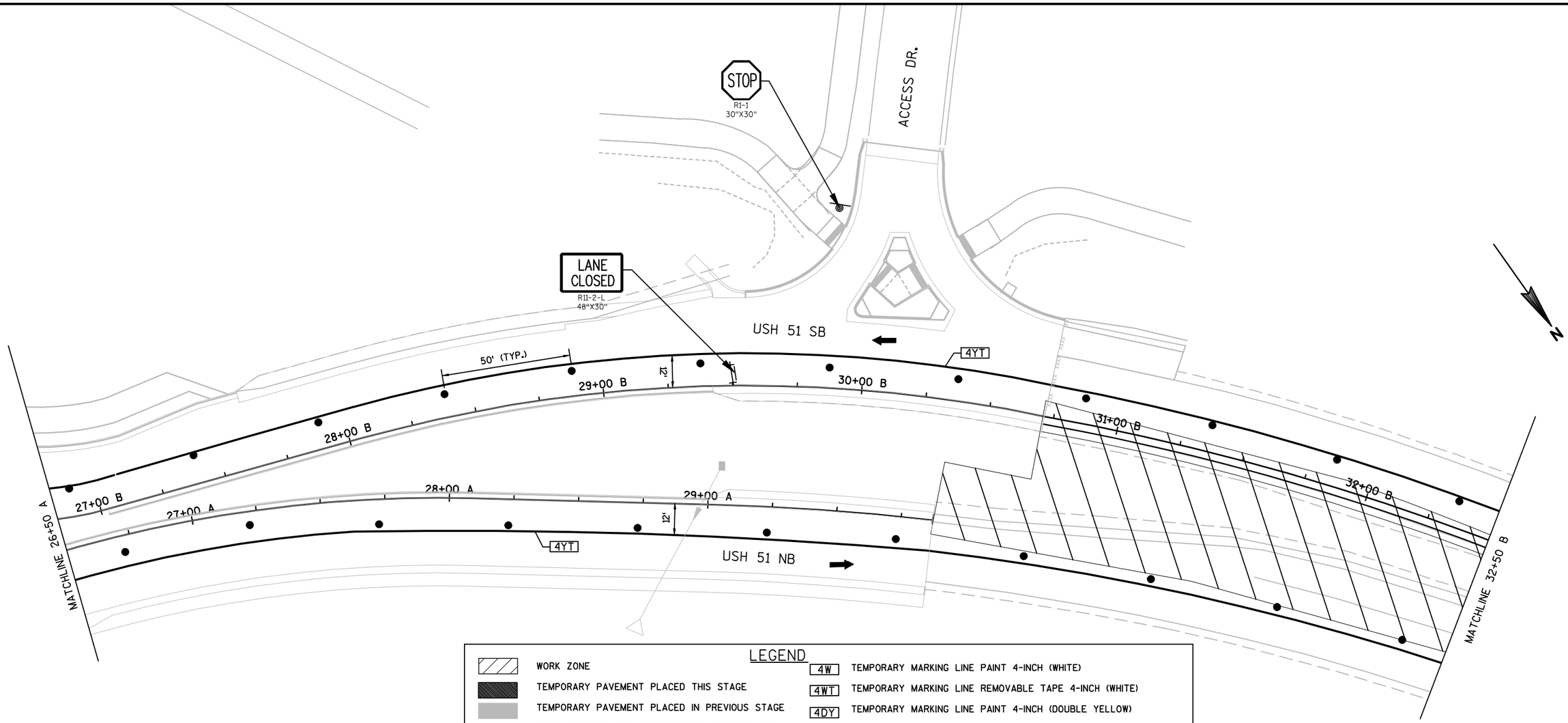

LEGEND

	WORK ZONE	4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
	TEMPORARY PAVEMENT PLACED THIS STAGE	4WT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
	TEMPORARY PAVEMENT PLACED IN PREVIOUS STAGE	4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
	TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN	4YT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
	TRAFFIC CONTROL SIGNS	4DYT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
	TRAFFIC CONTROL SIGNS ON TEMPORARY SUPPORT	8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
	TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT	8WT	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
	FLEXIBLE TUBULAR MARKER	18W	TEMPORARY MARKING STOP LINE PAINT 18-INCH (WHITE)
	DIRECTION OF TRAFFIC	18WT	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
	FLASHING ARROW BOARD	AP	TEMPORARY MARKING ARROW PAINT
	MARKING REMOVAL	AT	TEMPORARY MARKING ARROW REMOVABLE TAPE
XXXX	SAWING CONCRETE	WP	TEMPORARY MARKING WORD PAINT
	SAWING ASPHALT		

PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 4A	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\026001_S4A.DWG
LAYOUT NAME - 026005_S4A
PLOT DATE : 8/31/2020 4:06 PM PLOT BY : SCHAUB, ALEX PLOT NAME : PLOT SCALE : 1 IN:40 FT

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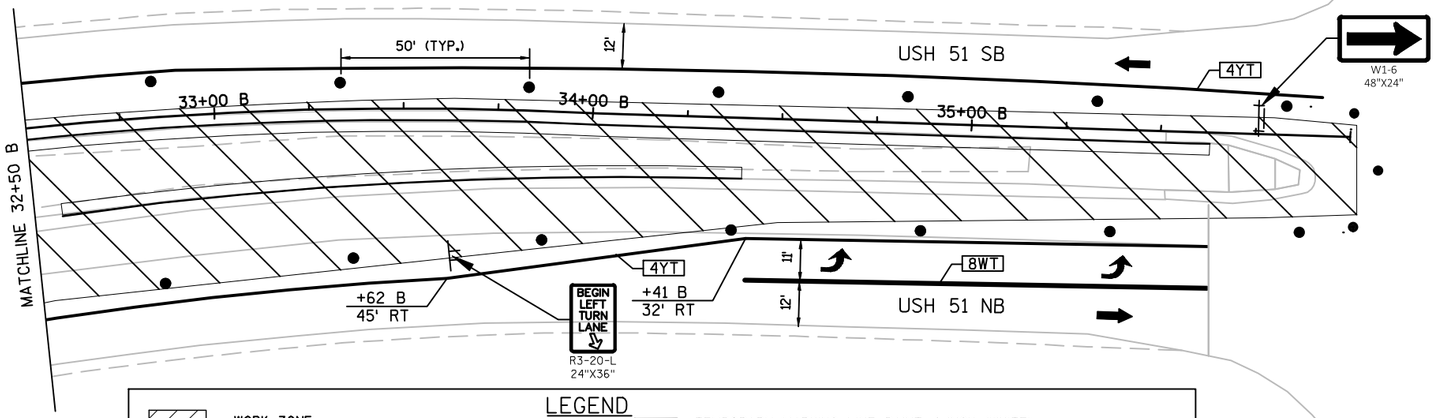
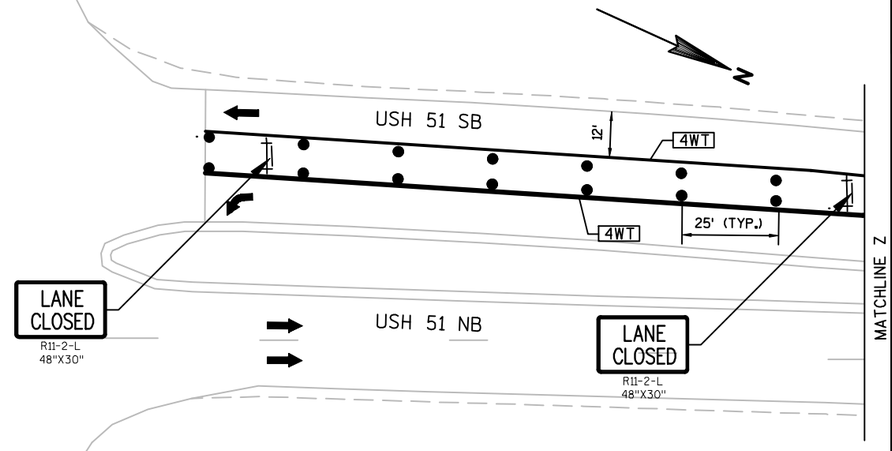


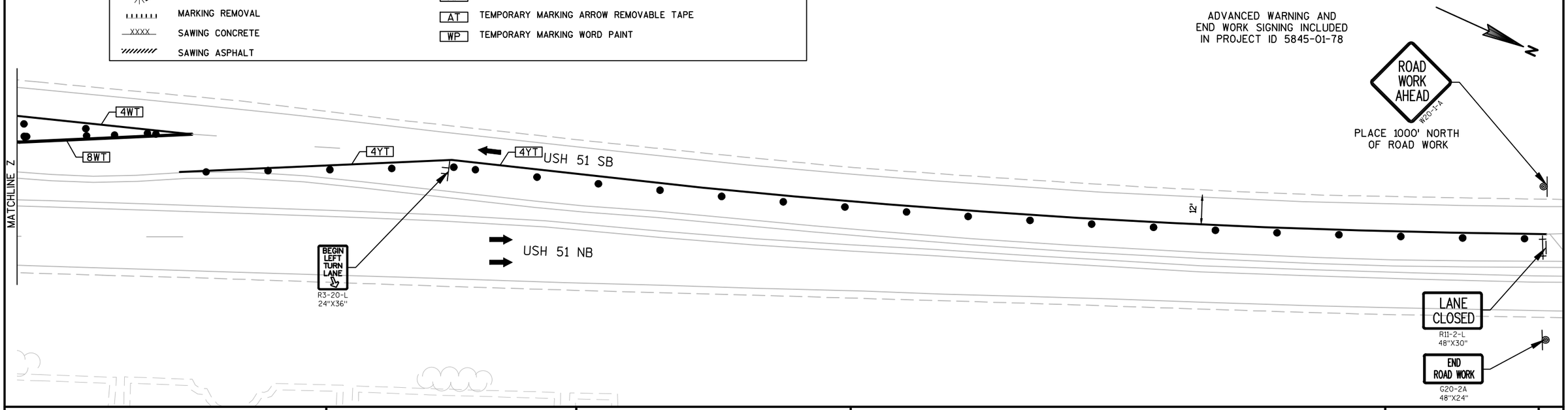


JACKSON ST

LEGEND

	WORK ZONE	4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
	TEMPORARY PAVEMENT PLACED THIS STAGE	4WT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
	TEMPORARY PAVEMENT PLACED IN PREVIOUS STAGE	4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
	TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN	4YT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
	TRAFFIC CONTROL SIGNS	4DYT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
	TRAFFIC CONTROL SIGNS ON TEMPORARY SUPPORT	8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
	TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT	8WT	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
	FLEXIBLE TUBULAR MARKER	18W	TEMPORARY MARKING STOP LINE PAINT 18-INCH (WHITE)
	DIRECTION OF TRAFFIC	18WT	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
	FLASHING ARROW BOARD	AP	TEMPORARY MARKING ARROW PAINT
	MARKING REMOVAL	AT	TEMPORARY MARKING ARROW REMOVABLE TAPE
XXXX	SAWING CONCRETE	WP	TEMPORARY MARKING WORD PAINT
	SAWING ASPHALT		

ADVANCED WARNING AND
END WORK SIGNING INCLUDED
IN PROJECT ID 5845-01-78



PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 4A	SHEET	E

LEGEND

WORK ZONE	4W — TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
TEMPORARY PAVEMENT PLACED THIS STAGE	4WT — TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
TEMPORARY PAVEMENT PLACED IN PREVIOUS STAGE	4DY — TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN	4YT — TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
TRAFFIC CONTROL SIGNS	4DYT — TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL SIGNS ON TEMPORARY SUPPORT	8W — TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT	8WT — TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
FLEXIBLE TUBULAR MARKER	18W — TEMPORARY MARKING STOP LINE PAINT 18-INCH (WHITE)
DIRECTION OF TRAFFIC	18WT — TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
FLASHING ARROW BOARD	AP — TEMPORARY MARKING ARROW PAINT
MARKING REMOVAL	AT — TEMPORARY MARKING ARROW REMOVABLE TAPE
XXXX SAWING CONCRETE	WP — TEMPORARY MARKING WORD PAINT
SAWING ASPHALT	

N

END ROAD WORK
G20-2A
48"X24"

STOP
R1-1
30"X30"

MCCOMB RD

4DYT HOEL AVE

11+00 A3

4YT

4YT

12+0

MATCHLINE 12+00 A3

ROAD WORK AHEAD
W20-1-A

PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 4A	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\026001_S4A.DWG
LAYOUT NAME - 026007_S4A

PLOT DATE : 8/31/2020 4:07 PM PLOT BY : SCHAUB, ALEX PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

ROAD WORK AHEAD
W20-1-A

END ROAD WORK
G20-2A
48"X24"

+50
0.0' RT

4DYT

4YT

4YT

4YT

SILVERADO DR

MATCHLINE 11+50 A7

LEGEND

	WORK ZONE
	TEMPORARY PAVEMENT PLACED THIS STAGE
	TEMPORARY PAVEMENT PLACED IN PREVIOUS STAGE
	TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
	TRAFFIC CONTROL SIGNS
	TRAFFIC CONTROL SIGNS ON TEMPORARY SUPPORT
	TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT
	FLEXIBLE TUBULAR MARKER
	DIRECTION OF TRAFFIC
	FLASHING ARROW BOARD
	MARKING REMOVAL
XXXX	SAWING CONCRETE
	SAWING ASPHALT

4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
4WT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
4YT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
4DYT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
8WT	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
18W	TEMPORARY MARKING STOP LINE PAINT 18-INCH (WHITE)
18WT	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
AP	TEMPORARY MARKING ARROW PAINT
AT	TEMPORARY MARKING ARROW REMOVABLE TAPE
WP	TEMPORARY MARKING WORD PAINT

PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 4A	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\026001_S4A.DWG
LAYOUT NAME - 026008_S4A

PLOT DATE : 8/31/2020 4:07 PM PLOT BY : SCHAUB, ALEX PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

LEGEND

	WORK ZONE
	TEMPORARY PAVEMENT PLACED THIS STAGE
	TEMPORARY PAVEMENT PLACED IN PREVIOUS STAGE
	TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
	TRAFFIC CONTROL SIGNS
	TRAFFIC CONTROL SIGNS ON TEMPORARY SUPPORT
	TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT
	FLEXIBLE TUBULAR MARKER
	DIRECTION OF TRAFFIC
	FLASHING ARROW BOARD
	MARKING REMOVAL
XXXX	SAWING CONCRETE
	SAWING ASPHALT

4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
4WT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
4YT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
4DYT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
8WT	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
18W	TEMPORARY MARKING STOP LINE PAINT 18-INCH (WHITE)
18WT	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
AP	TEMPORARY MARKING ARROW PAINT
AT	TEMPORARY MARKING ARROW REMOVABLE TAPE
WP	TEMPORARY MARKING WORD PAINT

N

STH 138 WB

STH 138 EB

9+00 B3

10+00 B3

11+00 B3

12+00 B3

13+00 B3

MATCHLINE 13+50 B3

4WT
(12.5' SEG, 37.5' GAP)

AT

4WT

AT

4WT

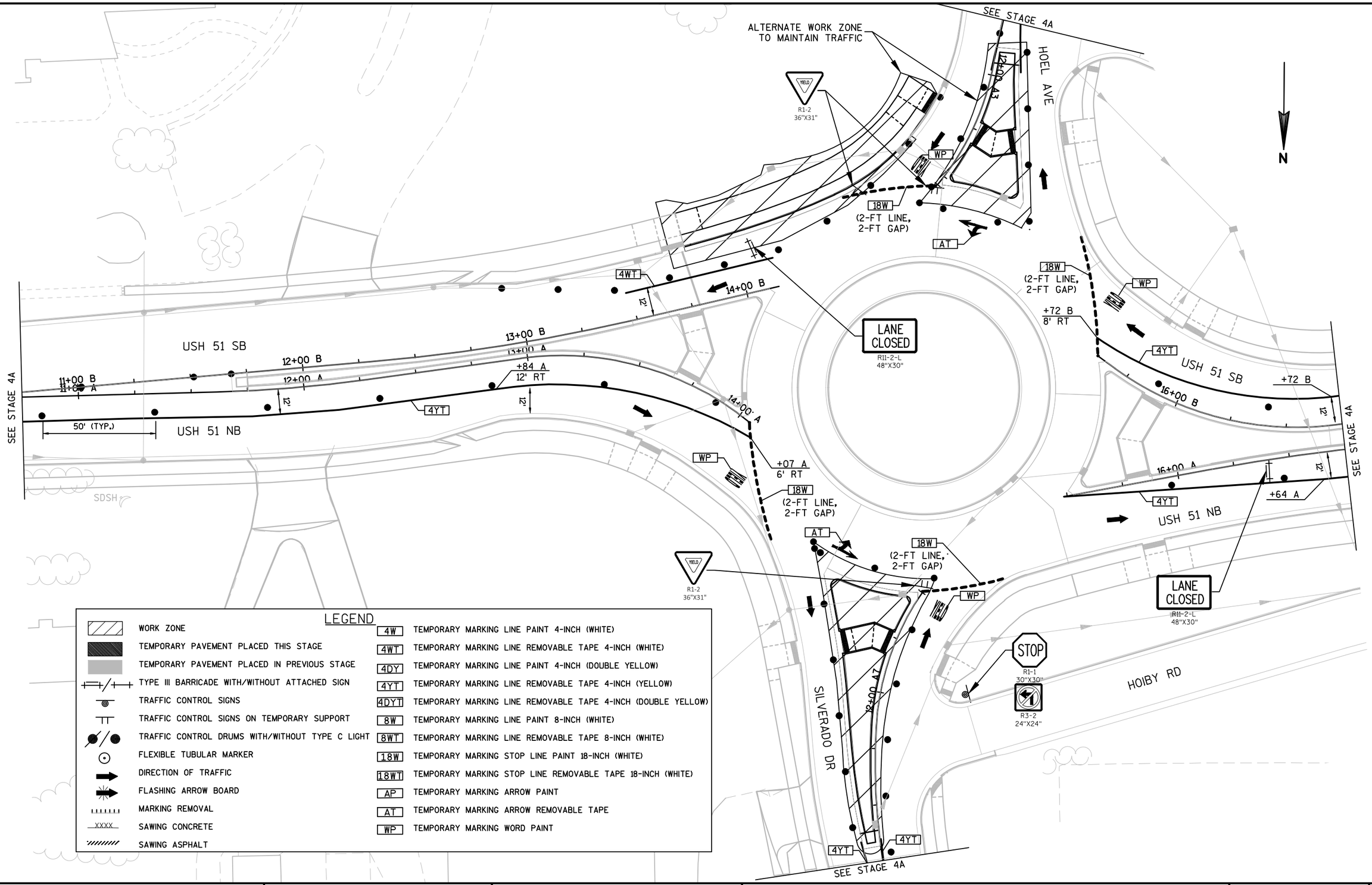
VEEK RD

ONLY ONLY
R3-8-HH
36"X30"

STOP
R1-1
30"X30"

PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 4A	SHEET	E

2



LEGEND

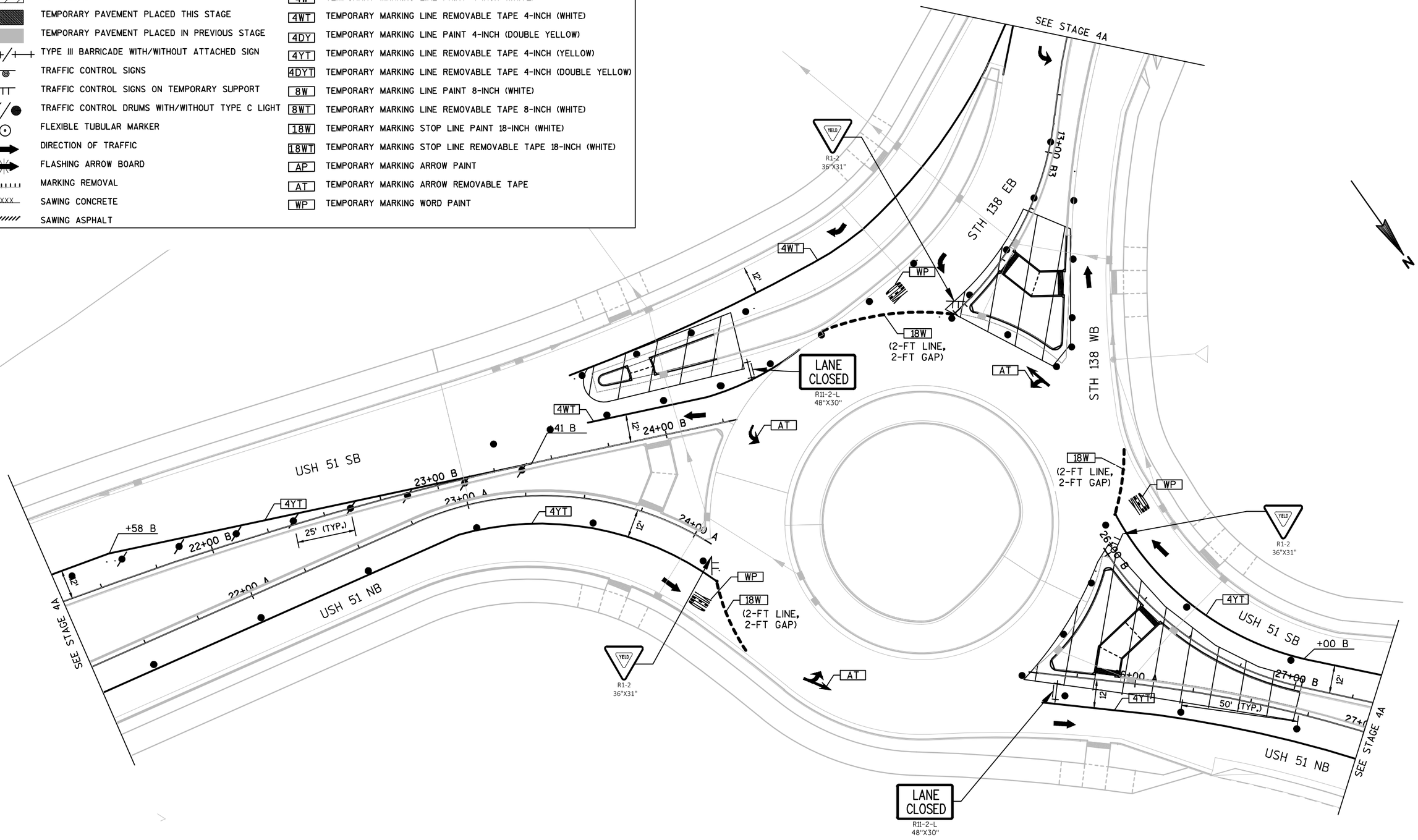
	WORK ZONE	4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
	TEMPORARY PAVEMENT PLACED THIS STAGE	4WT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
	TEMPORARY PAVEMENT PLACED IN PREVIOUS STAGE	4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
	TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN	4YT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
	TRAFFIC CONTROL SIGNS	4DYT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
	TRAFFIC CONTROL SIGNS ON TEMPORARY SUPPORT	8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
	TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT	8WT	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
	FLEXIBLE TUBULAR MARKER	18W	TEMPORARY MARKING STOP LINE PAINT 18-INCH (WHITE)
	DIRECTION OF TRAFFIC	18WT	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
	FLASHING ARROW BOARD	AP	TEMPORARY MARKING ARROW PAINT
	MARKING REMOVAL	AT	TEMPORARY MARKING ARROW REMOVABLE TAPE
XXXX	SAWING CONCRETE	WP	TEMPORARY MARKING WORD PAINT
	SAWING ASPHALT		

PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 4B	SHEET	E

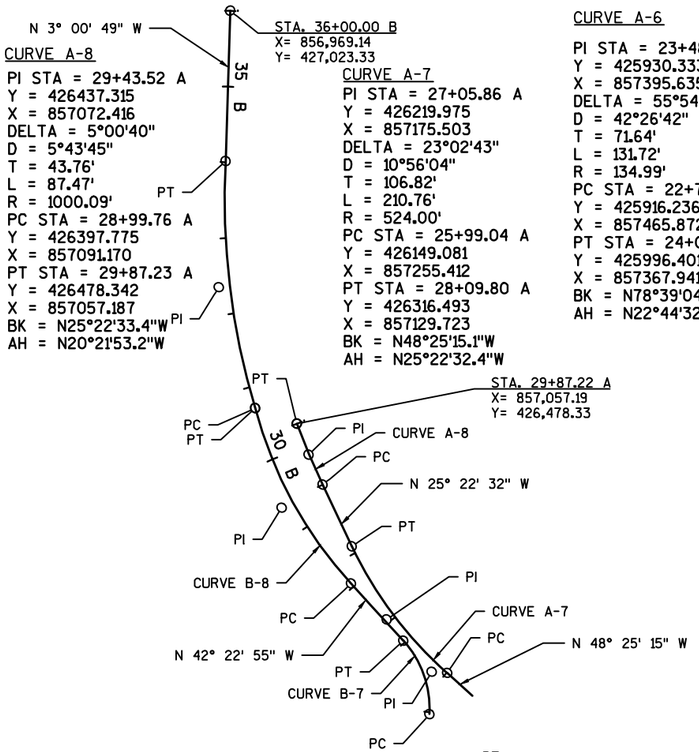
FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\026001_S4B.DWG
LAYOUT NAME - 026001_S4B
PLOT DATE : 8/31/2020 4:08 PM PLOT BY : SCHAUB, ALEX PLOT NAME : PLOT SCALE : 1 IN:40 FT

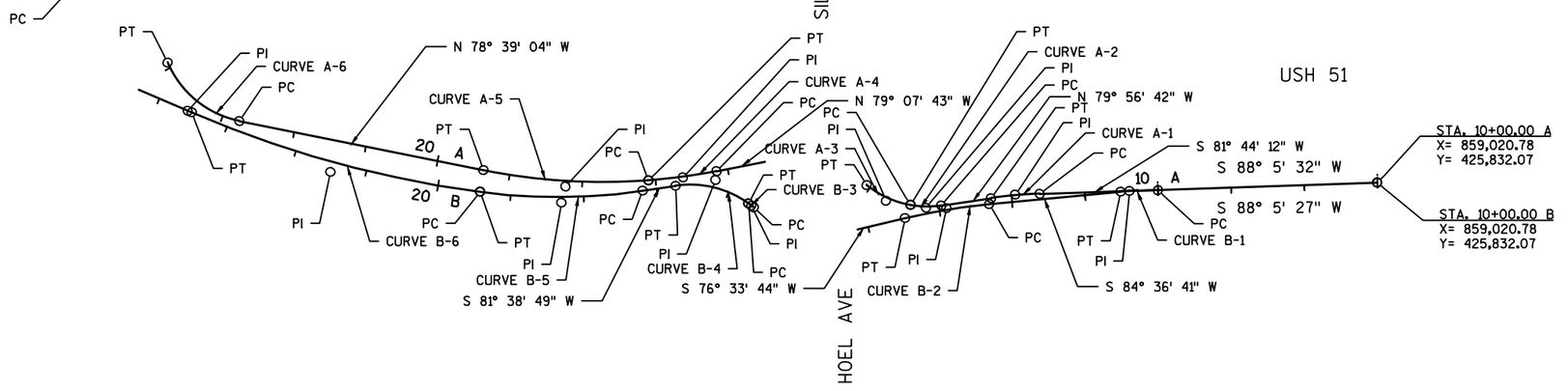
LEGEND

WORK ZONE	4W TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
TEMPORARY PAVEMENT PLACED THIS STAGE	4WT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
TEMPORARY PAVEMENT PLACED IN PREVIOUS STAGE	4DY TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN	4YT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
TRAFFIC CONTROL SIGNS	4DYT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL SIGNS ON TEMPORARY SUPPORT	8W TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT	8WT TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
FLEXIBLE TUBULAR MARKER	18W TEMPORARY MARKING STOP LINE PAINT 18-INCH (WHITE)
DIRECTION OF TRAFFIC	18WT TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
FLASHING ARROW BOARD	AP TEMPORARY MARKING ARROW PAINT
MARKING REMOVAL	AT TEMPORARY MARKING ARROW REMOVABLE TAPE
XXXX SAWING CONCRETE	WP TEMPORARY MARKING WORD PAINT
SAWING ASPHALT	



PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 4B	SHEET	E





2

CURVE B-9
PI STA = 32+38.14 B
Y = 426658.532
X = 856954.166
DELTA = 19°38'29"
D = 5°57'02"
T = 166.68'
L = 330.08'
R = 962.87'
PC STA = 30+71.47 B
Y = 426498.826
X = 857001.861
PT STA = 34+01.55 B
Y = 426824.977
X = 856962.929
BK = N16°37'40.2"W
AH = N03°00'49.3"E

CURVE A-8
PI STA = 29+43.52 A
Y = 426437.315
X = 857072.416
DELTA = 5°00'40"
D = 5°43'45"
T = 43.76'
L = 87.47'
R = 1000.09'
PC STA = 28+99.76 A
Y = 426397.775
X = 857091.170
PT STA = 29+87.23 A
Y = 426478.342
X = 857057.187
BK = N25°22'33.4"W
AH = N20°21'53.2"W

CURVE A-7
PI STA = 27+05.86 A
Y = 426219.975
X = 857175.503
DELTA = 23°02'43"
D = 10°56'04"
T = 106.82'
L = 210.76'
R = 524.00'
PC STA = 25+99.04 A
Y = 426149.081
X = 857255.412
PT STA = 28+09.80 A
Y = 426316.493
X = 857129.723
BK = N48°25'15.1"W
AH = N25°22'32.4"W

CURVE A-6
PI STA = 23+48.01 A
Y = 425930.333
X = 857395.635
DELTA = 55°54'32"
D = 42°26'42"
T = 71.64'
L = 131.72'
R = 134.99'
PC STA = 22+76.37 A
Y = 425916.236
X = 857465.872
PT STA = 24+08.09 A
Y = 425996.401
X = 857367.941
BK = N78°39'04.4"W
AH = N22°44'32.3"W

CURVE A-5
PI STA = 18+23.40 A
Y = 425826.818
X = 857911.384
DELTA = 15°41'42"
D = 6°56'11"
T = 113.85'
L = 226.27'
R = 826.02'
PC STA = 17+09.55 A
Y = 425835.446
X = 858024.906
PT STA = 19+35.82 A
Y = 425849.221
X = 857799.762
BK = S85°39'13.7"W
AH = N78°39'04.4"W

CURVE A-4
PI STA = 16+62.57 A
Y = 425839.014
X = 858071.854
DELTA = 6°31'31"
D = 6°56'13"
T = 47.08'
L = 94.06'
R = 825.94'
PC STA = 16+15.48 A
Y = 425847.894
X = 858118.092
PT STA = 17+09.55 A
Y = 425835.446
X = 858024.906
BK = S79°07'43.1"W
AH = S85°39'14.1"W

CURVE A-3
PI STA = 13+73.07 A
Y = 425807.432
X = 858349.677
DELTA = 28°41'12"
D = 43°24'21"
T = 33.75'
L = 66.09'
R = 132.00'
PC STA = 13+39.32 A
Y = 425801.539
X = 858382.911
PT STA = 14+05.41 A
Y = 425828.555
X = 858323.351
BK = N79°56'42.0"W
AH = N51°15'30.3"W

CURVE A-2
PI STA = 13+18.40 A
Y = 425797.823
X = 858403.867
DELTA = 18°19'06"
D = 43°24'21"
T = 21.28'
L = 42.20'
R = 132.00'
PC STA = 12+97.12 A
Y = 425800.882
X = 858424.929
PT STA = 13+39.32 A
Y = 425801.539
X = 858382.911
BK = S81°44'11.5"W
AH = N79°56'42.0"W

CURVE A-1
PI STA = 11+94.78 A
Y = 425815.600
X = 858526.266
DELTA = 6°21'21"
D = 9°32'57"
T = 33.31'
L = 66.56'
R = 600.00'
PC STA = 11+61.47 A
Y = 425816.709
X = 858559.560
PT STA = 12+28.03 A
Y = 425810.812
X = 858493.299
BK = S88°05'32.0"W
AH = S81°44'11.5"W

CURVE B-8
PI STA = 29+40.74 B
Y = 426367.527
X = 857037.016
DELTA = 27°23'33"
D = 10°16'22"
T = 135.92'
L = 266.65'
R = 557.74'
PC STA = 28+04.82 B
Y = 426267.124
X = 857128.639
PT STA = 30+71.47 B
Y = 426498.826
X = 857001.861
BK = N42°22'55.2"W
AH = N14°59'21.9"W

CURVE B-7
PI STA = 26+52.88 B
Y = 426150.658
X = 857235.231
DELTA = 45°33'17"
D = 43°04'46"
T = 55.85'
L = 105.75'
R = 133.00'
PC STA = 25+97.04 B
Y = 426094.892
X = 857232.221
PT STA = 27+02.78 B
Y = 426191.855
X = 857197.526
BK = N03°05'22.5"E
AH = N42°27'54.9"W

CURVE B-6
PI STA = 21+48.12 B
Y = 425846.712
X = 857590.503
DELTA = 15°40'12"
D = 3°49'11"
T = 206.41'
L = 410.24'
R = 1500.00'
PC STA = 19+41.72 B
Y = 425819.477
X = 857795.105
PT STA = 23+51.95 B
Y = 425928.196
X = 857400.862
BK = N82°25'04.5"W
AH = N66°44'52.9"W

CURVE B-5
PI STA = 18+31.19 B
Y = 425804.703
X = 857906.096
DELTA = 15°56'06"
D = 7°09'43"
T = 111.97'
L = 222.50'
R = 800.00'
PC STA = 17+19.22 B
Y = 425820.969
X = 858016.878
PT STA = 19+41.72 B
Y = 425819.477
X = 857795.105
BK = S81°38'49.4"W
AH = N82°25'04.5"W

CURVE B-4
PI STA = 16+23.74 B
Y = 425835.633
X = 858116.751
DELTA = 43°54'28"
D = 41°49'18"
T = 55.22'
L = 104.99'
R = 137.00'
PC STA = 15+68.51 B
Y = 425803.521
X = 858161.678
PT STA = 16+73.50 B
Y = 425827.611
X = 858062.113
BK = N54°26'42.4"W
AH = S81°38'49.4"W

CURVE B-3
PI STA = 15+63.82 B
Y = 425800.794
X = 858165.494
DELTA = 1°15'05"
D = 13°20'24"
T = 4.69'
L = 9.38'
R = 429.50'
PC STA = 15+59.13 B
Y = 425797.984
X = 858169.249
PT STA = 15+68.51 B
Y = 425803.521
X = 858161.678
BK = N53°11'37.5"W
AH = N54°26'42.4"W

CURVE B-2
PI STA = 12+89.94 B
Y = 425797.213
X = 858432.127
DELTA = 8°02'58"
D = 6°57'12"
T = 57.98'
L = 115.76'
R = 824.00'
PC STA = 12+31.96 B
Y = 425802.657
X = 858489.847
PT STA = 13+47.72 B
Y = 425783.740
X = 858375.738
BK = S84°36'41.3"W
AH = S76°33'43.8"W

CURVE B-1
PI STA = 10+38.84 B
Y = 425820.794
X = 858682.124
DELTA = 3°28'46"
D = 14°19'26"
T = 12.15'
L = 24.29'
R = 400.00'
PC STA = 10+26.69 B
Y = 425821.199
X = 858694.266
PT STA = 10+50.98 B
Y = 425819.653
X = 858670.028
BK = S88°05'27.2"W
AH = S84°36'41.3"W

PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	PLAN: ALIGNMENT DETAIL	SHEET	E

2

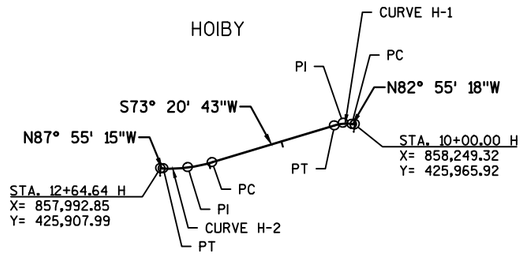
N

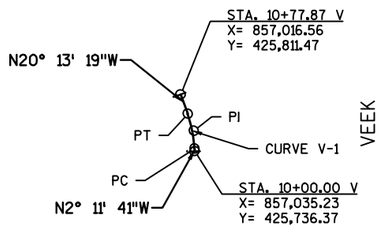
CURVE H-2

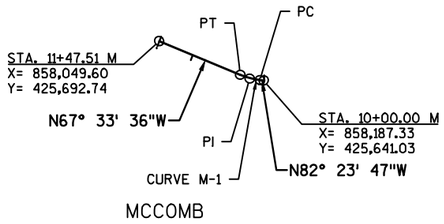
PI STA = 12+28.50H
Y = 425906.656
X = 858029.554
DELTA = 18°44'03"
D = 28°38'52"
T = 32.99'
L = 65.39'
R = 200.00'
PC STA = 11+95.51H
Y = 425916.112
X = 858061.162
PT STA = 12+60.90H
Y = 425907.853
X = 857996.584
BK = S73°20'42.2"W
AH = N87°55'15.1"W

CURVE H-1

PI STA = 10+15.44H
Y = 425967.818
X = 858234.002
DELTA = 23°44'00"
D = 102°00'41"
T = 11.80'
L = 23.27'
R = 56.17'
PC STA = 10+03.64H
Y = 425966.363
X = 858245.714
PT STA = 10+26.90H
Y = 425964.435
X = 858222.695
BK = N82°55'17.5"W
AH = S73°20'42.7"W







CURVE V-1

PI STA = 10+27.27V
Y = 425763.624
X = 857034.188
DELTA = 18°01'39"
D = 38°11'50"
T = 23.79'
L = 47.20'
R = 150.00'
PC STA = 10+03.48V
Y = 425739.847
X = 857035.099
PT STA = 10+50.67V
Y = 425785.951
X = 857025.963
BK = N02°11'40.7"W
AH = N20°13'19.4"W

CURVE M-1

PI STA = 10+18.65M
Y = 425643.495
X = 858168.847
DELTA = 14°50'11"
D = 54°53'15"
T = 13.59'
L = 27.03'
R = 104.39'
PC STA = 10+05.06M
Y = 425641.696
X = 858182.319
PT STA = 10+32.09M
Y = 425648.683
X = 858156.285
BK = N82°23'47.1"W
AH = N67°33'35.9"W

PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	PLAN: ALIGNMENT DETAIL	SHEET	E

CURVE B5-1

PI STA = 10+97.38 B5
Y = 425,991.74
X = 857,164.91
DELTA = 19°20'27"
D = 15°04'40"
T = 64.75'
L = 128.27'
R = 380.00'
PC STA = 10+32.63 B5
PT STA = 11+60.90 B5

CURVE B5-2

PI STA = 11+76.41 B5
Y = 426,063.54
X = 857,200.80
DELTA = 21°56'29"
D = 71°37'11"
T = 15.51'
L = 30.64'
R = 80.00'
PC STA = 11+60.90 B5
PT STA = 11+91.54 B5

CURVE B5-3

PI STA = 12+00.13 B5
Y = 426,087.55
X = 857,202.73
DELTA = 1°13'48"
D = 7°09'43"
T = 8.59'
L = 17.17'
R = 800.00'
PC STA = 11+91.54 B5
PT STA = 12+08.71 B5

CURVE B5-4

PI STA = 12+59.46 B5
Y = 426,146.79
X = 857,206.24
DELTA = 45°51'01"
D = 47°44'47"
T = 50.75'
L = 96.03'
R = 120.00'
PC STA = 12+08.71 B5
PT STA = 13+04.74 B5

CURVE B6-1

PI STA = 10+70.18 B6
Y = 425,951.20
X = 857,413.65
DELTA = 59°49'15"
D = 46°57'50"
T = 70.18'
L = 127.38'
R = 122.00'
PC STA = 10+00.00 B6
PT STA = 11+27.38 B6

CURVE B6-2

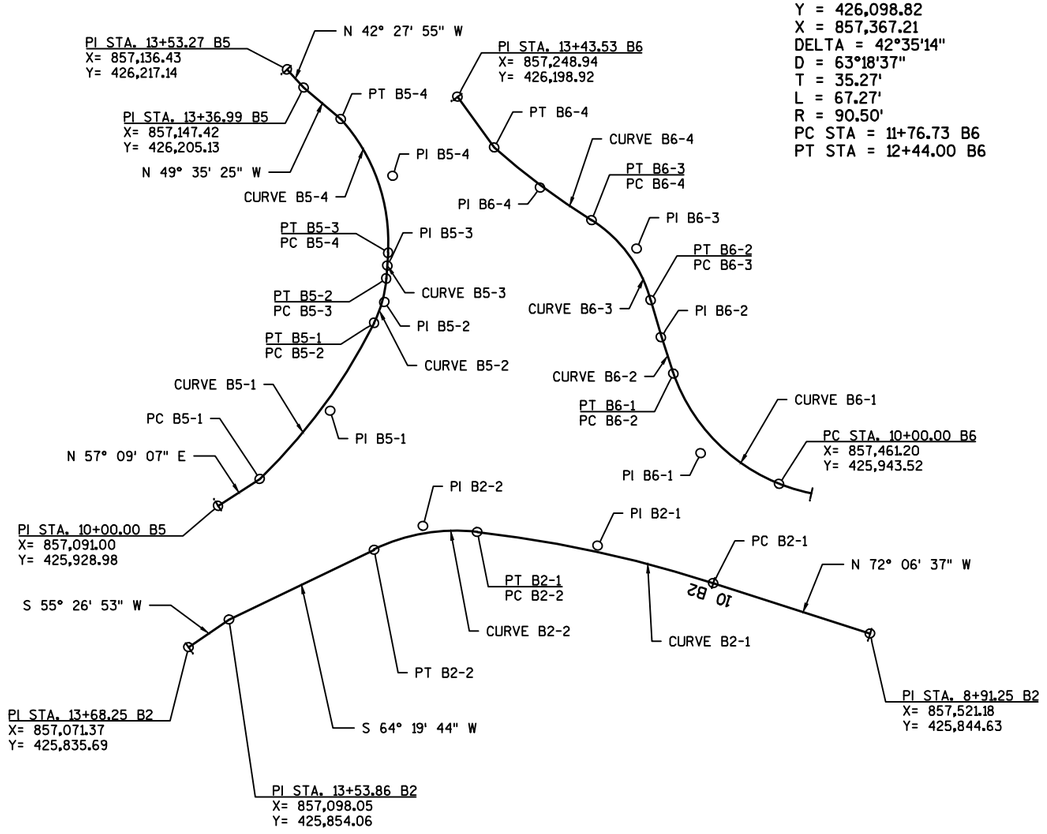
PI STA = 11+52.06 B6
Y = 426,040.99
X = 857,383.03
DELTA = 3°32'05"
D = 7°09'43"
T = 24.68'
L = 49.35'
R = 800.00'
PC STA = 11+27.38 B6
PT STA = 11+76.73 B6

CURVE B6-3

PI STA = 12+12.00 B6
Y = 426,098.82
X = 857,367.21
DELTA = 42°35'14"
D = 63°18'37"
T = 35.27'
L = 67.27'
R = 90.50'
PC STA = 11+76.73 B6
PT STA = 12+44.00 B6

CURVE B6-4

PI STA = 12+84.23 B6
Y = 426,138.96
X = 857,303.26
DELTA = 9°12'03"
D = 11°27'33"
T = 40.23'
L = 80.29'
R = 500.00'
PC STA = 12+44.00 B6
PT STA = 13+24.29 B6



CURVE B2-1

PI STA = 10+80.02 B2
Y = 425,902.62
X = 857,341.54
DELTA = 11°25'25"
D = 7°09'43"
T = 80.02'
L = 159.50'
R = 800.00'
PC STA = 10+00.00 B2
PT STA = 11+59.50 B2

CURVE B2-2

PI STA = 11+95.51 B2
Y = 425,915.68
X = 857,226.26
DELTA = 32°08'15"
D = 45°50'12"
T = 36.01'
L = 70.11'
R = 125.00'
PC STA = 11+59.50 B2
PT STA = 12+29.62 B2

PROJECT NO: 5848-01-76	HWY: USH 51	COUNTY: DANE	ALIGNMENT DETAIL	SHEET	E

2

N

CURVE B7-1
PI STA = 10+18.16 B7
Y = 425,891.70
X = 857,137.99
DELTA = 5°51'56"
D = 16°09'51"
T = 18.16'
L = 36.29'
R = 354.46'
PC STA = 10+00.00 B7
PT STA = 10+36.29 B7

CURVE B7-2
PI STA = 10+39.35 B7
Y = 425,907.06
X = 857,152.63
DELTA = 2°14'50"
D = 36°43'55"
T = 3.06'
L = 6.12'
R = 155.98'
PC STA = 10+36.29 B7
PT STA = 10+42.41 B7

CURVE B7-3
PI STA = 10+90.07 B7
Y = 425,944.45
X = 857,186.90
DELTA = 43°17'42"
D = 47°42'41"
T = 47.66'
L = 90.74'
R = 120.09'
PC STA = 10+42.41 B7
PT STA = 11+33.15 B7

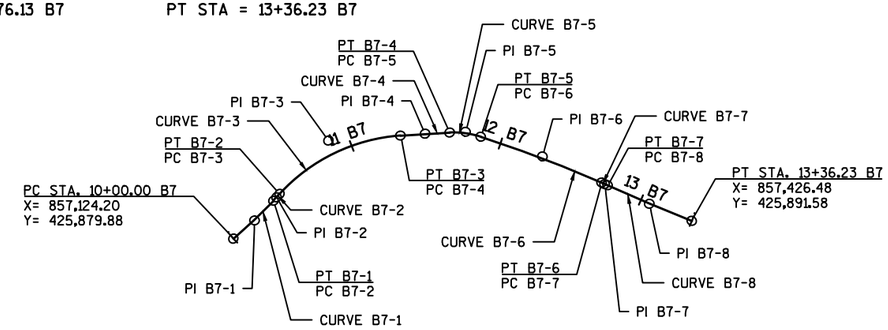
CURVE B7-4
PI STA = 11+49.32 B7
Y = 425,949.09
X = 857,250.57
DELTA = 1°54'09"
D = 5°52'59"
T = 16.17'
L = 32.34'
R = 973.91'
PC STA = 11+33.15 B7
PT STA = 11+65.49 B7

CURVE B7-5
PI STA = 11+76.06 B7
Y = 425,950.22
X = 857,277.29
DELTA = 20°29'39"
D = 97°55'50"
T = 10.58'
L = 20.93'
R = 58.51'
PC STA = 11+65.49 B7
PT STA = 11+86.42 B7

CURVE B7-6
PI STA = 12+29.14 B7
Y = 425,934.00
X = 857,328.06
DELTA = 6°06'13"
D = 7°09'01"
T = 42.72'
L = 85.36'
R = 801.30'
PC STA = 11+86.42 B7
PT STA = 12+71.78 B7

CURVE B7-7
PI STA = 12+73.95 B7
Y = 425,915.87
X = 857,369.13
DELTA = 2°04'16"
D = 47°32'48"
T = 2.18'
L = 4.36'
R = 120.50'
PC STA = 12+71.78 B7
PT STA = 12+76.13 B7

CURVE B7-8
PI STA = 13+06.19 B7
Y = 425,902.76
X = 857,398.58
DELTA = 2°15'29"
D = 3°45'25"
T = 30.06'
L = 60.10'
R = 1525.02'
PC STA = 12+76.13 B7
PT STA = 13+36.23 B7



PROJECT NO:5845-01-76	HWY:USH 51	COUNTY:DANE	ALIGNMENT DETAIL	SHEET	E

CURVE A6-1
PI STA = 10+22.70 A6
Y = 425,915.40
X = 858,232.00
DELTA = 25°34'42"
D = 57°17'45"
T = 22.70'
L = 44.64'
R = 100.00'
PC STA = 10+00.00 A6
PT STA = 10+44.64 A6

CURVE A6-2
PI STA = 10+52.62 A6
Y = 425,895.74
X = 858,208.46
DELTA = 22°34'04"
D = 143°14'22"
T = 7.98'
L = 15.76'
R = 40.00'
PC STA = 10+44.64 A6
PT STA = 10+60.40 A6

CURVE A6-3
PI STA = 11+05.82 A6
Y = 425,879.87
X = 858,157.46
DELTA = 6°26'37"
D = 7°06'02"
T = 45.42'
L = 90.75'
R = 806.93'
PC STA = 10+60.40 A6
PT STA = 11+51.15 A6

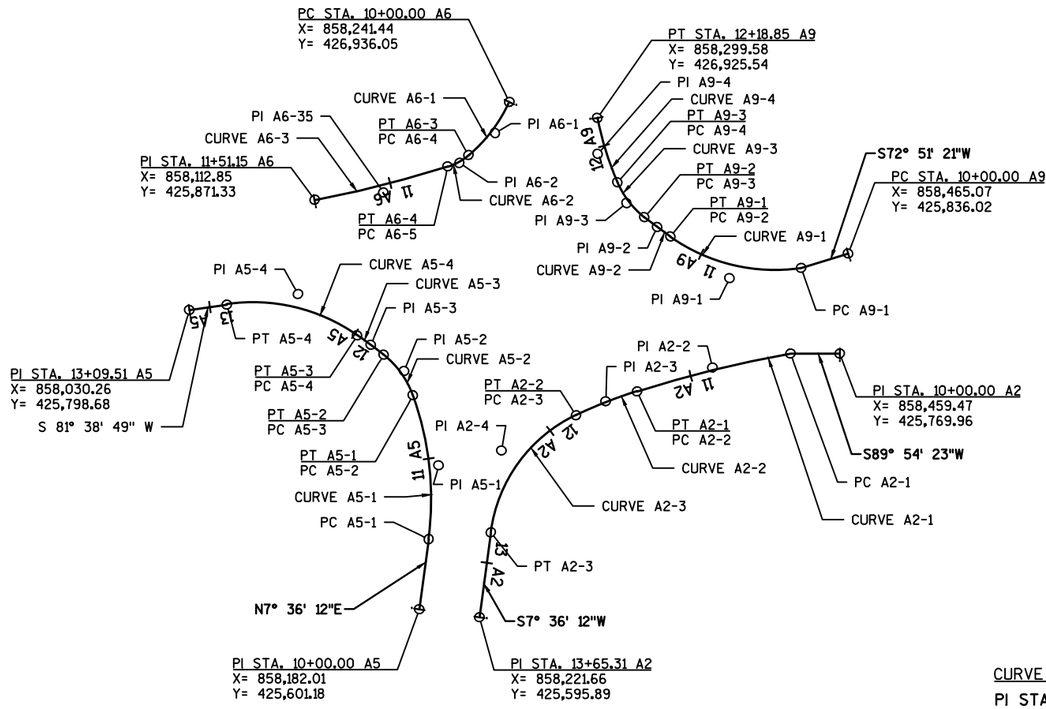
CURVE A9-1
PI STA = 10+80.26 A9
Y = 425,819.59
X = 858,386.75
DELTA = 43°29'48"
D = 47°44'47"
T = 47.87'
L = 91.10'
R = 120.00'
PC STA = 10+32.39 A9
PT STA = 11+23.49 A9

CURVE A9-2
PI STA = 11+34.15 A9
Y = 425,853.36
X = 858,338.94
DELTA = 3°03'17"
D = 14°19'26"
T = 10.67'
L = 21.33'
R = 400.00'
PC STA = 11+23.49 A9
PT STA = 11+44.81 A9

CURVE A9-3
PI STA = 11+59.82 A9
Y = 425,869.26
X = 858,318.79
DELTA = 28°04'57"
D = 95°29'35"
T = 15.01'
L = 29.41'
R = 60.00'
PC STA = 11+44.81 A9
PT STA = 11+74.22 A9

CURVE A9-4
PI STA = 11+96.63 A9
Y = 425,903.54
X = 858,303.79
DELTA = 12°47'03"
D = 28°38'52"
T = 22.41'
L = 44.63'
R = 200.00'
PC STA = 11+74.22 A9
PT STA = 12+18.85 A9

2



CURVE A5-1
PI STA = 10+95.85 A5
Y = 425,696.18
X = 858,194.69
DELTA = 27°36'54"
D = 28°38'52"
T = 49.15'
L = 96.39'
R = 200.00'
PC STA = 10+46.69 A5
PT STA = 11+43.09 A5

CURVE A5-2
PI STA = 11+60.26 A5
Y = 425,758.50
X = 858,172.00
DELTA = 31°56'14"
D = 95°29'35"
T = 17.17'
L = 33.44'
R = 60.00'
PC STA = 11+43.09 A5
PT STA = 11+76.53 A5

CURVE A5-3
PI STA = 11+87.33 A5
Y = 425,775.73
X = 858,149.98
DELTA = 3°05'29"
D = 14°19'26"
T = 10.79'
L = 21.58'
R = 400.00'
PC STA = 11+76.53 A5
PT STA = 11+98.11 A5

CURVE A5-4
PI STA = 12+45.76 A5
Y = 425,809.22
X = 858,102.08
DELTA = 43°18'46"
D = 47°44'47"
T = 47.65'
L = 90.71'
R = 120.00'
PC STA = 11+98.11 A5
PT STA = 12+88.83 A5

CURVE A2-1
PI STA = 10+84.73 A2
Y = 425,760.75
X = 858,375.56
DELTA = 7°28'16"
D = 7°09'43"
T = 52.23'
L = 104.32'
R = 800.00'
PC STA = 10+32.49 A2
PT STA = 11+36.81 A2

CURVE A2-2
PI STA = 11+58.48 A2
Y = 425,738.45
X = 858,305.10
DELTA = 7°44'53"
D = 17°54'18"
T = 21.67'
L = 43.27'
R = 320.00'
PC STA = 11+36.81 A2
PT STA = 11+80.08 A2

CURVE A2-3
PI STA = 12+34.47 A2
Y = 425,705.92
X = 858,236.35
DELTA = 57°04'50"
D = 57°17'45"
T = 54.39'
L = 99.62'
R = 100.00'
PC STA = 11+80.08 A2
PT STA = 12+79.71 A2

PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	ALIGNMENT DETAIL	SHEET	E

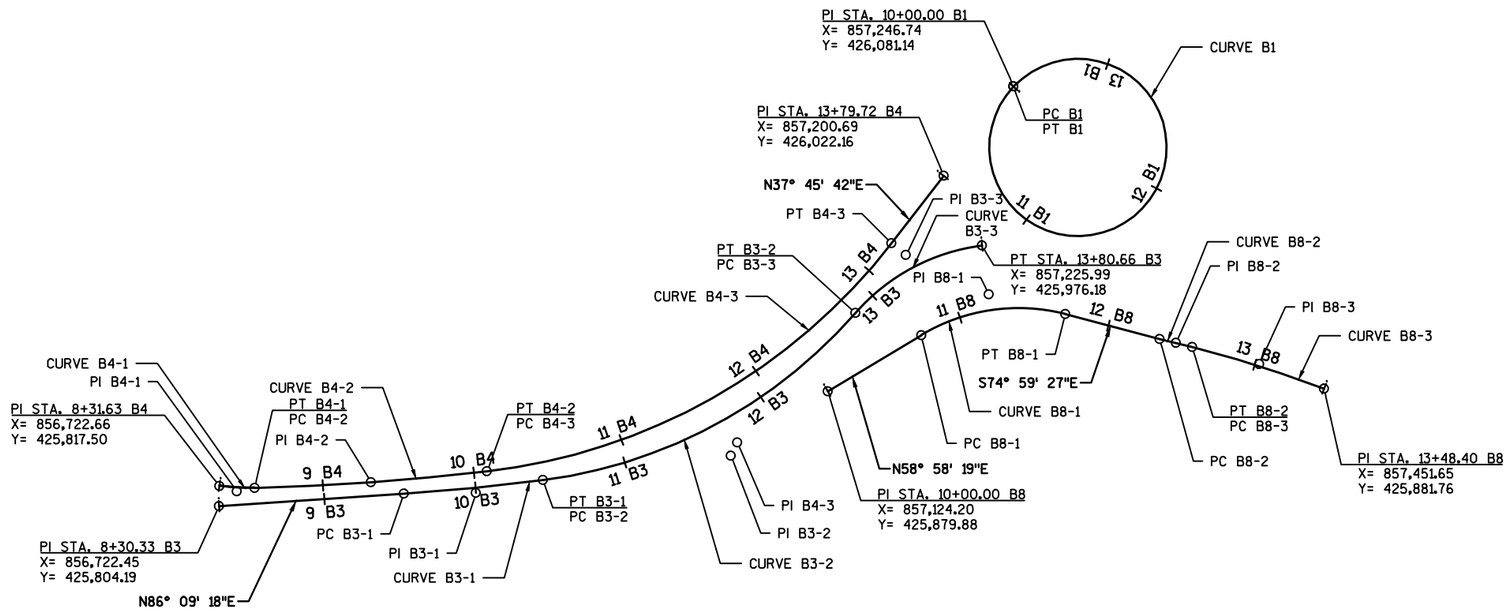
CURVE B4-1
PI STA = 8+43.29 B4
Y = 425,815.84
X = 856,734.23
DELTA = 9°53'38"
D = 42°26'29"
T = 11.69'
L = 23.31'
R = 135.00'
PC STA = 8+31.61 B4
PT STA = 8+54.92 B4

CURVE B4-2
PI STA = 9+31.87 B4
Y = 425,818.32
X = 856,822.83
DELTA = 4°59'52"
D = 3°14'58"
T = 76.95'
L = 153.80'
R = 1763.28'
PC STA = 8+54.92 B4
PT STA = 10+08.72 B4

CURVE B4-3
PI STA = 11+74.97 B4
Y = 425,846.23
X = 857,064.42
DELTA = 45°39'03"
D = 14°30'19"
T = 166.25'
L = 314.72'
R = 395.00'
PC STA = 10+08.72 B4
PT STA = 13+23.44 B4

N

CURVE B1
PI STA = 10+00.00 B1
Y = 426,081.14
X = 857,246.74
DELTA = 360°00'00"
D = 97°56'29"
T = 0.00'
L = 367.57'
R = 58.50'
PC STA = 10+00.00 B1
PT STA = 13+67.57 B1



CURVE B3-1
PI STA = 9+98.74 B3
Y = 425,815.47
X = 856,890.49
DELTA = 3°32'46"
D = 3°50'39"
T = 46.14'
L = 92.24'
R = 1490.42'
PC STA = 9+52.61 B3
PT STA = 10+44.85 B3

CURVE B3-2
PI STA = 11+69.89 B3
Y = 425,837.48
X = 857,060.24
DELTA = 41°30'11"
D = 17°21'44"
T = 125.04'
L = 239.04'
R = 330.00'
PC STA = 10+44.85 B3
PT STA = 12+83.89 B3

CURVE B3-3
PI STA = 13+34.53 B3
Y = 425,969.83
X = 857,175.75
DELTA = 41°41'17"
D = 43°04'46"
T = 50.64'
L = 96.77'
R = 133.00'
PC STA = 12+83.89 B3
PT STA = 13+80.66 B3

CURVE B8-1
PI STA = 11+24.06 B8
Y = 425,943.83
X = 857,230.51
DELTA = 45°16'25"
D = 45°50'13"
T = 52.13'
L = 98.77'
R = 125.00'
PC STA = 10+71.93 B8
PT STA = 11+70.70 B8

CURVE B8-2
PI STA = 12+46.09 B8
Y = 425,911.95
X = 857,353.96
DELTA = 1°50'53"
D = 8°24'02"
T = 11.00'
L = 22.00'
R = 682.06'
PC STA = 12+35.09 B8
PT STA = 12+57.09 B8

CURVE B8-3
PI STA = 13+02.79 B8
Y = 425,897.98
X = 857,408.92
DELTA = 6°32'20"
D = 7°09'38"
T = 45.71'
L = 91.32'
R = 800.15'
PC STA = 12+57.09 B8
PT STA = 13+48.40 B8

PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	ALIGNMENT DETAIL	SHEET	E

CURVE A7-1

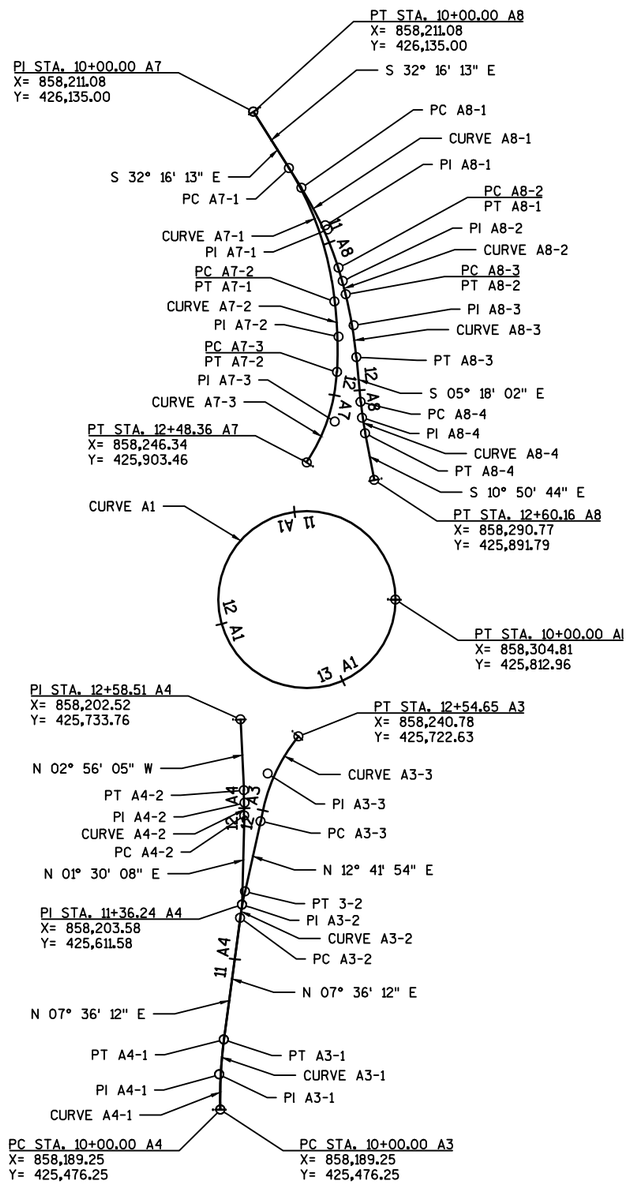
PI STA = 10+84.85 A7
Y = 426,063.26
X = 858,256.38
DELTA = 22°57'39"
D = 28°38'52"
T = 40.62'
L = 80.15'
R = 200.00'
PC STA = 10+44.23 A7
PT STA = 11+24.38 A7

CURVE A7-2

PI STA = 11+54.67 A7
Y = 425,993.28
X = 858,267.85
DELTA = 12°10'51"
D = 20°10'52"
T = 30.29'
L = 60.36'
R = 283.91'
PC STA = 11+24.38 A7
PT STA = 11+84.73 A7

CURVE A7-3

PI STA = 12+17.39 A7
Y = 425,930.40
X = 858,264.79
DELTA = 31°42'17"
D = 49°49'21"
T = 32.66'
L = 63.64'
R = 115.00'
PC STA = 11+84.73 A7
PT STA = 12+48.37 A7



CURVE A8-1

PI STA = 10+88.88 A8
Y = 426,059.84
X = 858,258.53
DELTA = 14°50'06"
D = 25°27'53"
T = 29.29'
L = 58.26'
R = 225.00'
PC STA = 10+59.59 A8
PT STA = 11+17.85 A8

CURVE A8-2

PI STA = 11+26.98 A8
Y = 426,023.18
X = 858,270.04
DELTA = 3°40'15"
D = 20°06'14"
T = 9.13'
L = 18.26'
R = 285.00'
PC STA = 11+17.85 A8
PT STA = 11+36.11 A8

CURVE A8-3

PI STA = 11+57.19 A8
Y = 425,993.83
X = 858,277.24
DELTA = 8°27'51"
D = 20°06'14"
T = 21.09'
L = 42.10'
R = 285.00'
PC STA = 11+36.11 A8
PT STA = 11+78.21 A8

CURVE A8-4

PI STA = 12+18.26 A8
Y = 425,932.95
X = 858,282.88
DELTA = 5°32'42"
D = 26°38'57"
T = 10.41'
L = 20.81'
R = 215.00'
PC STA = 12+07.85 A8
PT STA = 12+28.66 A8

N

CURVE A1

PI STA = 10+00.00 A1
Y = 425,812.96
X = 858,304.81
DELTA = 360°00'00"
D = 97°56'37"
T = 0.00'
L = 367.56'
R = 58.50'
PC STA = 10+00.00 A1
PT STA = 13+67.56 A1

CURVE A4-1

PI STA = 10+23.19 A4
Y = 425,499.42
X = 858,188.61
DELTA = 9°11'38"
D = 19°52'06"
T = 23.19'
L = 46.27'
R = 288.38'
PC STA = 10+00.00 A4
PT STA = 10+46.27 A4

CURVE A4-2

PI STA = 12+03.41 A4
Y = 425,678.73
X = 858,205.34
DELTA = 4°26'14"
D = 26°38'57"
T = 8.33'
L = 16.65'
R = 215.00'
PC STA = 11+95.08 A4
PT STA = 12+11.73 A4

CURVE A3-1

PI STA = 10+23.19 A3
Y = 425,499.42
X = 858,188.61
DELTA = 9°11'38"
D = 19°52'06"
T = 23.19'
L = 46.27'
R = 288.38'
PC STA = 10+00.00 A3
PT STA = 10+46.27 A3

CURVE A3-2

PI STA = 11+36.24 A3
Y = 425,611.58
X = 858,203.58
DELTA = 5°05'42"
D = 28°38'52"
T = 8.90'
L = 17.78'
R = 200.00'
PC STA = 11+27.34 A3
PT STA = 11+45.13 A3

CURVE A3-3

PI STA = 12+24.43 A3
Y = 425,698.06
X = 858,220.65
DELTA = 30°52'40"
D = 49°49'21"
T = 31.76'
L = 61.98'
R = 115.00'
PC STA = 11+92.67 A3
PT STA = 12+54.65 A3

PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	ALIGNMENT DETAIL	SHEET	E

2

CP 15 3/4" REBAR
STA. 28+33.28, 545.76' LT
ELEV = 922.78
Y = 425941.78
X = 856688.62

CP 10 3/4" REBAR
STA. 23+19.24, 160.49' LT
ELEV = 902.22
Y = 425766.81
X = 857370.93

CP 15

CP 10

CP 20 3/4" REBAR
STA. 13+76.48, 77.36' LT
ELEV = 909.56
Y = 425701.81
X = 858365.74

CP 20

N

N

STH 138

USH 51 SB

USH 51 NB

McCOMB RD

HOEL AVE

HOLBY RD

0+00 1+00 2+00 3+00 3+49

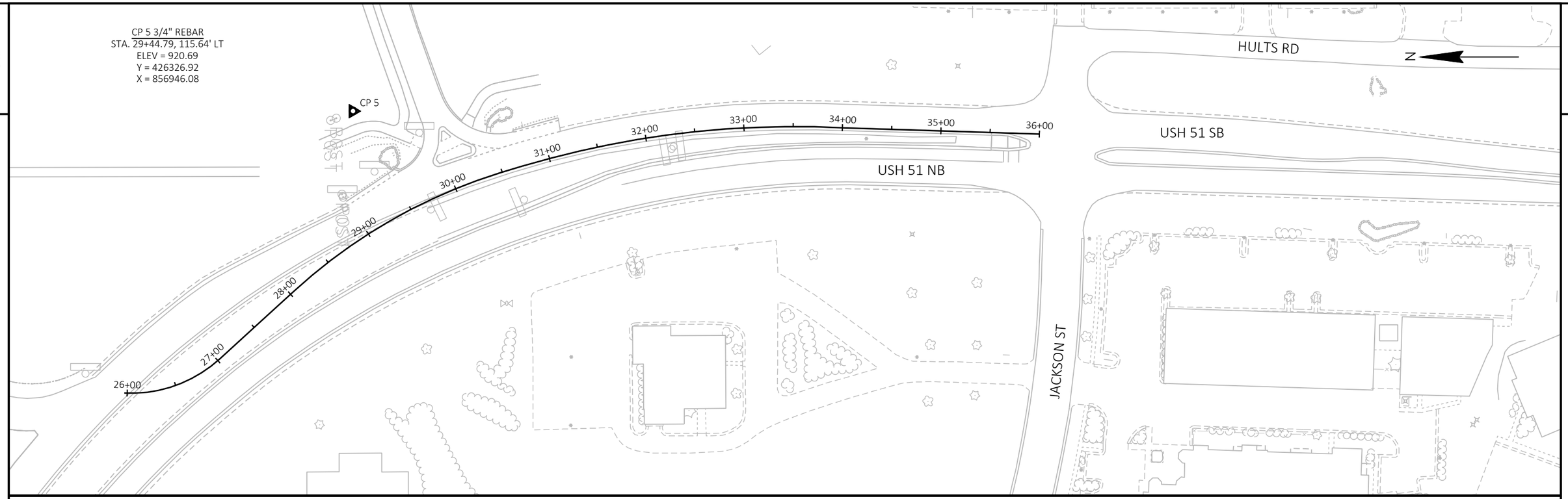
10+00 11+00 12+00 13+00 14+00

16+00 17+00 18+00 19+00 20+00 21+00 22+00 23+00 24+00

PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	CONTROL POINT DATA	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\027301_CP.DWG
LAYOUT NAME - 027301_cp
PLOT DATE : 8/31/2020 4:10 PM
PLOT BY : SCHAUB, ALEX
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

CP 5 3/4" REBAR
STA. 29+44.79, 115.64' LT
ELEV = 920.69
Y = 426326.92
X = 856946.08



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PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	CONTROL POINT DATA	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\027301_CP.DWG
LAYOUT NAME - 027302_cp
PLOT DATE : 8/31/2020 4:10 PM
PLOT BY : SCHAUB, ALEX
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

CLEARING AND GRUBBING ITEMS

CATEGORY	STAGE	STATION	LOCATION	201.0120 CLEARING ID	201.0220 GRUBBING ID
0010	2	10+72	35' LT	9	9
		11+27	34' LT	6	6
		TOTALS		15	15

REMOVING CONCRETE PAVEMENT

CATEGORY	STAGE	STATION - STATION	LOCATION	204.0100 SY
0010	1	11+00 A7	RT	23
		11+50 A8	LT	15
		SUBTOTAL (STAGE 1)		38
	2	10+00 B - 30+71 B	RT/LT	10,200
		12+00 B	LT	92
		SUBTOTAL (STAGE 2)		10,292
	3	10+00 A - 29+87 A	RT/LT	6,240
		9+65 A	RT	32
		12+00 A	RT	37
		10+20 A4	LT	23
		SUBTOTAL (STAGE 3)		6,332
		TOTAL		16,662

REMOVING CURB & GUTTER

CATEGORY	STAGE	STATION - STATION	LOCATION	204.0150 LF
0010	1	10+00 A3 - 13+00 A3	RT/LT	550
		10+00 A8 - 13+00 A8	RT/LT	470
		SUBTOTAL (STAGE 1)		1,020
	2	8+30 B3 - 13+00 B3	RT/LT	1,080
		SUBTOTAL (STAGE 2)		1,080
	3	8+25 A	RT	16
		10+00 A3 - 13+00 A3	RT	250
		11+70 A8 - 13+00 A8	LT	100
		SUBTOTAL (STAGE 3)		366
		TOTAL		2,466

REMOVING CONCRETE SIDEWALK

CATEGORY	STAGE	STATION - STATION	LOCATION	204.0155 SF
0010	1	11+15 A3 - 11+30 A3	LT	101
		10+00 A7 - 11+68 A7	RT/LT	1,450
		SUBTOTAL (STAGE 1)		1,551
	2	11+00 B - 30+50 B	LT	1,551
		9+50 B4 - 12+00 B4	LT	2,003
		SUBTOTAL (STAGE 2)		3,554
		TOTAL		5,105

REMOVING STORM SEWER

CATEGORY	STATION - STATION		LOCATION	204.0245 .01 12-INCH LF	.02 15-INCH LF	.03 18-INCH LF	.04 24-INCH LF
0010	10+20 A	10+88 A	RT	---	70	---	---
	10+88 A	13+90 A	RT	---	280	---	---
	10+86 A	10+87 A	LT-RT	---	50	---	---
	11+30 A	12+60 A	LT	---	---	---	150
	13+45 A	13+70 A	LT	40	---	---	---
	13+70 A	13+88 A	LT-RT	65	---	---	---
	13+88 A	14+05 A	RT	25	---	---	---
	16+40 A	16+20 A	LT-RT	130	---	---	---
	16+18 A	16+10 A	RT	40	---	---	---
	21+20 A	21+22 A	LT-RT	160	---	---	---
	22+04 A	21+78 A	RT	80	---	---	---
	23+75 A	23+30 A	LT	70	---	---	---
	24+77 A	24+99 A	LT-RT	80	---	---	---
	1+02 STH 138	1+12 STH 138	LT	---	---	---	10
	1+50 STH 138	1+50 STH 138	RT	6	---	---	---
	1+50 STH 138	1+33 STH 138	RT	---	---	---	60
	+60 STH 138	+94 STH 138	RT	---	---	40	---
	2+90 STH 138	22+50 STH 138	RT	---	---	140	---
			TOTALS	696	400	180	220

REMOVING INLETS

CATEGORY	STATION	OFFSET	204.0220 EACH
0010	10+86 A	26.0' LT	1
	10+87 A	23.5' RT	1
	13+46 A	60.0' LT	1
	13+70 A	40.0' LT	1
	13+88 A	22.5' RT	1
	22+04 A	2.0 RT	1
	23+75 A	43.0 LT	1
	24+77 A	8.0 LT	1
	1+50 STH 138	5.5' RT	1
	1+49 STH 138	11.5' RT	1
		TOTAL	10

REMOVING APRON ENDWALLS

CATEGORY	STATION	OFFSET	204.9060.S.01 EACH
0010	12+58 A	26.0 LT	1
	14+05 A	42.0 RT	1
	16+40 A	100.0 LT	1
	16+20 A	28.0 RT	1
	16+18 A	40.0 RT	1
	16+10 A	82.0 RT	1
	21+20 A	90.0 LT	1
	21+22 A	67.0 RT	1
	21+78 A	79.0 RT	1
	23+30 A	71.0 LT	1
	24+99 A	69.0 RT	1
	1+12 STH 138	48.0 LT	1
	1+33 STH 138	66.0 RT	1
	+60 STH 138	44.0 RT	1
	+94 STH 138	60.0 RT	1
	2+25 STH 138	130.0 RT	1
	2+90 STH 138	1.0 RT	1
		TOTAL	17

EARTHWORK SUMMARY

CATEGORY	STAGE	LOCATION	STATION - STATION	205.0100 EXCAVATION COMMON (1) CUT (2) CY	205.0100 EXCAVATION COMMON (1) EBS EXCAVATION (3) 5% SURFACE AREA CY	SALVAGED/ UNUSABLE PAVEMENT MATERIAL CY	AVAILABLE MATERIAL (4) CY	EXPANDED EBS BACKFILL (5) FACTOR 1.33 CY	UNEXPANDED FILL CY	EXPANDED FILL (6) FACTOR 1.33 CY	MASS ORDINATE +/- (7) CY	WASTE CY	312.0110* SELECT CRUSHED MATERIAL (8) TON
0010	STAGE 1	TEMPORARY PAVEMENT		761	0	0	761	0	354	471	290	290	0
		A1 ROUNDABOUT		496	0	0	496	0	243	323	173	173	0
		HOIBY ROAD	10+27 H - 12+65 H	151	13	0	151	17	228	303	-152	-152	32
		SILVERADO DRIVE	10+00 A7 - 12+48 A7	191	24	0	191	32	42	56	135	135	61
		MCCOMB ROAD	10+25 M - 11+47 M	181	7	0	181	9	4	5	176	176	17
		HOEL AVE	10+00 A4 - 12+59 A4	408	19	0	408	25	70	93	315	315	48
			SUBTOTALS (STAGE 1)	2,188	63	0	2,188	83	941	1,251	937	937	158
	STAGE 2	USH 51 SOUTHBOUND	10+00 B - 30+71 B	10,858	170	1,852	9,006	226	1,332	1,772	7,234	7,234	429
		STH 138	8+31 B3 - 13+81 B3	8,101	75	414	7,687	100	1,316	1,750	5,937	5,937	190
		A1 ROUNDABOUT		496	0	0	496	0	243	323	173	173	0
		B1 ROUNDABOUT		1,052	0	0	1,052	0	826	1,099	-47	-47	0
			SUBTOTALS (STAGE 2)	20,507	245	2,266	18,241	326	3,717	4,944	13,297	13,297	619
	STAGE 3	USH 51 NORTHBOUND	8+25 A - 29+87 A	7,880	138	1,387	6,493	184	2,490	3,312	3,181	3,181	350
		A1 ROUNDABOUT		558	0	0	558	0	274	364	194	194	0
		B1 ROUNDABOUT		1,052	0	0	1,052	0	826	1,099	-47	-47	0
		SILVERADO DRIVE	11+27 A8 - 12+60 A8	360	6	0	360	8	25	33	327	327	15
		HOEL AVE	10+00 A3 - 12+55 A3	662	11	0	662	15	6	8	654	654	29
			SUBTOTALS (STAGE 3)	10,512	155	1,387	9,125	207	3,621	4,816	4,309	4,309	394
	STAGE 4	MEDIAN GRADING	30+71 B - 35+52 B	326	0	0	326	0	47	63	263	263	0
		TOTALS		33,533	463	3,653	29,880	616	8,326	11,074	18,807	18,807	1,171
		ITEM TOTALS			33,996								1,171

1) EXCAVATION COMMON IS THE SUM OF THE CUT AND EBS EXCAVATION COLUMNS. ITEM NUMBER 205.0100.
2) SALVAGED/UNUSABLE PAVEMENT MATERIAL IS INCLUDED IN CUT.
3) EBS EXCAVATION TO BE BACKFILLED WITH SELECT CRUSHED MATERIAL. EBS = 5% OF THE PAVEMENT SURFACE AREA AT 1-FOOT DEPTH.
4) AVAILABLE MATERIAL = CUT - SALVAGED/UNUSABLE PAVEMENT MATERIAL.
5) EXPANDED EBS BACKFILL: THIS IS TO BE FILLED WITH SELECT CRUSHED MATERIAL. EBS BACKFILL FACTOR = 1.33.
6) EXPANDED FILL = UNEXPANDED FILL * EXPANDED FILL FACTOR. EXPANDED FILL FACTOR = 1.33.
7) PLUS MASS ORDINATE QUANTITY INDICATES AN EXCESS OF MATERIAL WITHIN THE DIVISION. MINUS MASS ORDINATE QUANTITY INDICATES A SHORTAGE OF MATERIAL WITHIN THE DIVISION.
8) SELECT CRUSHED MATERIAL IS USED FOR BACKFILL OF EBS.
* ADDITIONAL QUANTITIES LISTED ELSEWHERE

FINISHING ROADWAY

CATEGORY	PROJECT	213.0100 EACH
0010	5845-01-76	1

BASE AGGREGATE DENSE

CATEGORY	STAGE	305.0110 3/4-INCH TON	305.0120 1 1/4-INCH TON
0010	1	15	3,100
	2	70	7,350
	3	80	3,950
	4	---	680
TOTALS		165	15,080

SELECT CRUSHED MATERIAL

CATEGORY	STAGE	312.0110* TON
0010	1	1,350
	2	12,100
	3	7,800
	4	850
	TOTAL	22,100

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

CONCRETE ITEMS

CATEGORY	STAGE	602.0410 CONCRETE SIDEWALK 5-INCH SF	416.0512 CONCRETE TRUCK APRON 12-INCH SY	405.0100 COLORING CONCRETE WISDOT RED CY	REMARKS
0010	1	2,830	---	---	
	2	25,900	---	---	
	3	15,000	200	67	COLORING CONCRETE TRUCK APRON
	4	13,400	660	220	COLORING CONCRETE TRUCK APRON
	SUBTOTALS (CATEGORY 0010)	57,130	860	287	
0020	1	---	---	---	COLORING CONCRETE SIDEWALK 5-INCH
	2	---	---	90	COLORING CONCRETE SIDEWALK 5-INCH
	3	---	---	---	COLORING CONCRETE SIDEWALK 5-INCH
	4	---	---	150	COLORING CONCRETE SIDEWALK 5-INCH
	SUBTOTALS (CATEGORY 0020)	---	---	240	
	TOTALS	57,130	860	527	

CONCRETE PAVEMENT 8-INCH

CATEGORY	STAGE	415.0080 SY
0010	1	1,420
	2	9,160
	3	6,430
	TOTAL	17,010

3

CONCRETE DRIVEWAY 6-INCH

CATEGORY	STAGE	416.0160 SY
0010	1	44
	2	44
	3	115
	TOTAL	203

ASPHALTIC CURB

CATEGORY		465.0310 LF
0010	STAGE 1	11

ASPHALTIC ITEMS SUMMARY

CATEGORY	STAGE	455.0605 TACK COAT GAL	460.6223 HMA PAVEMENT 3 MT 58-28 S TON	460.6224 HMA PAVEMENT 4 MT 58-28 S TON	460.6424 HMA PAVEMENT 4 MT 58-28 H TON	465.0120 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES TON	465.0125 ASPHALTIC SURFACE TEMPORARY TON
0010	1	85	190	0	190	2	460
	2	73	233	8	164	13	505
	3	21	54	29	46	21	56
	TOTALS	179	477	37	400	36	1,021

NOTES: A UNIT WEIGHT OF 112 POUNDS PER SQUARE YARD PER INCH OF THICKNESS WAS USED TO ESTIMATE
A TACK COAT APPLICATION RATE OF 0.05 GALLONS PER SQUARE YARD OF PAVEMENT AREA WAS USED

ASPHALTIC FLUMES

CATEGORY	465.0315 SY
0010	14

CONCRETE CURB & GUTTER ITEMS

CATEGORY	STAGE	601.0120 CONCRETE CURB TYPE J LF	601.0405 CONCRETE CURB & GUTTER 18-INCH TYPE A LF	601.0409 CONCRETE CURB & GUTTER 30-INCH TYPE A LF	601.0411 CONCRETE CURB & GUTTER 30-INCH TYPE D LF	601.0580 4-INCH SLOPED 36-INCH TYPE R LF
0010	1	---	---	335	835	---
	2	60	---	4,000	1,135	---
	3	---	110	3,145	155	150
	4	410	415	1,470	---	555
	TOTALS	470	525	8,950	2,125	705

CURB RAMP ITEMS

CATEGORY	STAGE	602.0505 CURB RAMP DETECTABLE WARNING FIELD YELLOW SF	602.0605 CURB RAMP DETECTABLE WARNING FIELD RADIAL YELLOW SF	650.9000 CONSTRUCTION STAKING CURB RAMPS EACH
0010	1	70	15	6
	2	240	---	12
	3	100	---	6
	4	300	---	17
	TOTALS	710	15	41

COVER PLATES TEMPORARY

CATEGORY	STAGE	611.8120.S EACH
0010	1	9
	2	9
	3	5
	TOTAL	23

RIPRAP TREATMENT

CATEGORY	STATION	LOCATION	606.0200 RIPRAP MEDIUM CY	645.0130 GEOTEXTILE TYPE R SY
0010	21+25 A	RT	7	20
	28+75 A	RT	2	9
	12+10 A8	LT	11	34
	10+75 B2	LT	5	16
	12+35 B2	LT	6	20
	12+20 H	RT	3	11
		TOTALS	34	110

MAINTENANCE AND REPAIR OF HAUL ROADS

CATEGORY	PROJECT	618.0100.01 EACH
0020	5845-01-76	1

STORM SEWER PIPE REINFORCED CONCRETE

			608.0412	608.0415	608.0418	608.0424	608.0430	608.0436	608.0442	608.2424
			STORM SEWER PIPE REINFORCED CONCRETE CLASS IV							STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-IV
CATEGORY	FROM STRUCTURE	TO STRUCTURE	12-INCH LF	15-INCH LF	18-INCH LF	24-INCH LF	30-INCH LF	36-INCH LF	42-INCH LF	24X38-INCH LF
0010	105	100	---	---	---	---	---	---	38	---
	110	105	---	---	---	---	---	98	---	---
	115	110	---	---	---	---	---	66	---	---
	120	115	---	---	---	93	---	---	---	---
	125	120	---	---	---	129	---	---	---	---
	130	125	---	66	---	---	---	---	---	---
	135	130	---	108	---	---	---	---	---	---
	140	125	---	---	---	27	---	---	---	---
	145	115	---	---	---	---	74	---	---	---
	150	145	---	58	---	---	---	---	---	---
	155	150	51	---	---	---	---	---	---	---
	160	150	36	---	---	---	---	---	---	---
	165	110	44	---	---	---	---	---	---	---
	170	110	9	---	---	---	---	---	---	---
	175	115	---	---	6	---	---	---	---	---
	180	105	---	50	---	---	---	---	---	---
	185	180	62	---	---	---	---	---	---	---
	190	185	9	---	---	---	---	---	---	---
	195	190	31	---	---	---	---	---	---	---
	305	300	---	---	---	---	---	---	---	26
	310	305	---	---	---	---	---	---	---	170
	315	310	99	---	---	---	---	---	---	---
	320	315	49	---	---	---	---	---	---	---
	325	310	50	---	---	---	---	---	---	---
	330	305	189	---	---	---	---	---	---	---
	335	330	86	---	---	---	---	---	---	---
	340	305	---	112	---	---	---	---	---	---
	405	400	---	---	---	---	---	---	25	---
	410	405	---	---	---	---	---	---	27	---
	415	410	---	---	---	---	---	---	67	---
	420	415	---	---	---	---	---	23	---	---
	425	405	---	---	145	---	---	---	---	---
	430	425	27	---	---	---	---	---	---	---
	435	425	8	---	---	---	---	---	---	---
	440	415	---	---	90	---	---	---	---	---
	445	440	39	---	---	---	---	---	---	---
	450	440	8	---	---	---	---	---	---	---
	455	415	56	---	---	---	---	---	---	---
	505	500	---	---	35	---	---	---	---	---
	510	505	---	---	28	---	---	---	---	---
	515	510	---	64	---	---	---	---	---	---
	520	515	---	47	---	---	---	---	---	---
	525	520	12	---	---	---	---	---	---	---
	530	515	40	---	---	---	---	---	---	---
	535	505	60	---	---	---	---	---	---	---
	540	535	10	---	---	---	---	---	---	---
	545	655	---	---	67	---	---	---	---	---
	550	545	---	9	---	---	---	---	---	---
	555	550	31	---	---	---	---	---	---	---
	560	555	31	---	---	---	---	---	---	---
	SHEET TOTALS		1037	514	371	249	74	187	157	196

CON'T NEXT SHEET

STORM SEWER PIPE REINFORCED CONCRETE (CON'T)

CATEGORY	FROM STRUCTURE	TO STRUCTURE	608.0412 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 12-INCH LF	608.0415 15-INCH LF	608.0418 18-INCH LF	608.0424 24-INCH LF	608.0430 30-INCH LF	608.0436 36-INCH LF	608.0442 42-INCH LF	608.2424 STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-IV 24X38-INCH LF
0010	565	560	28	---	---	---	---	---	---	---
	570	565	33	---	---	---	---	---	---	---
	580	575	61	---	---	---	---	---	---	---
	605	600	---	---	---	75	---	---	---	---
	610	605	---	---	---	85	---	---	---	---
	615	610	---	---	---	7	---	---	---	---
	620	605	---	---	---	23	---	---	---	---
	625	605	28	---	---	---	---	---	---	---
	635	630	---	---	---	---	82	---	---	---
	640	635	---	---	---	35	---	---	---	---
	645	640	---	---	---	31	---	---	---	---
	650	645	---	---	---	40	---	---	---	---
	655	650	---	---	---	43	---	---	---	---
	660	655	---	---	---	29	---	---	---	---
	665	645	34	---	---	---	---	---	---	---
		SHEET TOTALS	184	0	0	368	82	0	0	0
		TOTALS	1221	514	371	617	156	187	157	196

MISC. STORM SEWER ITEMS

CATEGORY	STRUCT. NO.	STATION	OFFSET	SPV.0060.01 STORM SEWER TAP EACH	520.8000 CONCRETE COLLARS FOR PIPE EACH
0010	135	10+20.00 A	23.181 ' RT	---	1
	140	11+30.79 A	63.1 ' LT	1	1
	615	1+02.00 STH 138	52.6 ' LT	---	1
			TOTALS	1	3

MANHOLES AND INLETS SUMMARY

CATEGORY	STRUCTURE NUMBER	STATION	OFFSET	611.2004 MANHOLES 4-FT DIAMETER EACH	611.2005 MANHOLES 5-FT DIAMETER EACH	611.2006 MANHOLES 6-FT DIAMETER EACH	611.2007 MANHOLES 7-FT DIAMETER EACH	611.3230 INLETS 2x3-FT EACH	611.3901 INLETS MEDIAN 1 GRATE EACH	611.3902 INLETS MEDIAN 2 GRATE EACH	SPV.0060.06 INLETS TYPE TERRACE EACH	611.3225 INLETS 2x2.5-FT EACH	611.0535 MANHOLE COVERS TYPE J-SPECIAL EACH	611.0624 INLET COVERS TYPE H EACH	611.0639 INLET COVERS TYPE H-S EACH	611.0642 INLET COVERS TYPE MS EACH	SPV.0060.07 INLET COVERS TYPE TERRACE EACH	611.0652 INLET COVERS TYPE T EACH	* 650.4000 CONSTRUCTION STAKING STORM SEWER EACH
0010	105	14+48.00 A	83.7 ' RT	---	---	---	1	---	---	---	---	---	---	1	---	---	---	---	1
	110	13+90.00 A	1.5 ' LT	---	1	---	---	---	---	---	---	---	---	1	---	---	---	---	1
	115	13+43.00 A	40.0 ' LT	---	---	1	---	---	---	---	---	---	1	---	---	---	---	---	1
	120	12+63.00 A	36.5 ' LT	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	1
	125	11+30.00 A	36.1 ' LT	---	1	---	---	---	---	---	---	---	---	1	---	---	---	---	1
	130	11+28.00 A	29.5 ' RT	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	1
	145	13+72.00 A	76.2 ' LT	---	---	---	---	---	---	1	---	---	---	---	---	1	---	---	1
	150	13+69.00 A	102.1 ' LT	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	1
	155	14+40.00 A	133.6 ' LT	---	---	---	---	1	---	---	---	---	---	---	1	---	---	---	1
	160	14+90.00 A	124.7 ' LT	---	---	---	---	1	---	---	---	---	---	1	---	---	---	---	1
	165	13+55.00 A	29.0 ' RT	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	1
	170	13+55.00 A	30.0 ' RT	---	---	---	---	1	---	---	---	---	---	---	1	---	---	---	1
	175	13+40.00 A	46.4 ' LT	---	---	---	---	---	---	---	1	---	---	---	---	---	1	---	1
	180	13+55.00 A	30.0 ' RT	1	---	---	---	---	---	---	---	---	---	---	1	---	---	---	1
	185	14+90.00 A	57.2 ' RT	---	---	---	---	---	---	---	---	1	---	---	---	---	---	1	1
	190	15+20.00 A	2.2 ' RT	1	---	---	---	---	---	---	---	---	---	---	---	---	---	1	1
	195	15+60.00 A	8.6 ' LT	---	---	---	---	1	---	---	---	---	---	---	1	---	---	---	1
	200	16+10.00 A	68.4 ' LT	---	---	---	---	1	---	---	---	---	---	---	1	---	---	---	1
	205	15+15.00 A	74.0 ' RT	---	---	---	---	1	---	---	---	---	---	1	---	---	---	---	1
	305	16+79.50 A	61.0 ' RT	---	---	1	---	---	---	---	---	---	---	1	---	---	---	---	1
	310	16+40.50 A	103.3 ' LT	---	---	---	---	---	---	1	---	---	---	---	---	2	---	---	1
	315	15+88.90 A	183.5 ' LT	1	---	---	---	---	---	---	---	---	---	---	1	---	---	---	1
	320	16+05.00 A	231.4 ' LT	---	---	---	---	1	---	---	---	---	---	1	---	---	---	---	1
	325	15+25.00 A	4.9 ' LT	---	---	---	---	1	---	---	---	---	---	1	---	---	---	---	1
	325	18+00.00 A	57.7 ' RT	---	---	---	---	---	1	---	---	---	---	---	---	1	---	---	1
	405	21+25.00 A	66.7 ' RT	---	---	1	---	---	---	---	---	---	---	1	---	---	---	---	1
	410	21+25.00 A	25.5 ' RT	---	---	1	---	---	---	---	---	---	---	1	---	---	---	---	1
	415	21+25.00 A	1.5 ' LT	---	---	1	---	---	---	---	---	---	---	1	---	---	---	---	1
	425	18+78.75 A	26.5 ' RT	1	---	---	---	---	---	---	---	---	---	---	1	---	---	---	1
	430	19+74.00 A	2.5 ' RT	---	---	---	---	1	---	---	---	---	---	---	1	---	---	---	1
	435	19+70.75 A	26.5 ' RT	---	---	---	---	1	---	---	---	---	---	---	1	---	---	---	1
	440	20+28.75 A	71.8 ' LT	1	---	---	---	---	---	---	---	---	---	---	1	---	---	---	1
	445	20+28.75 A	61.1 ' LT	---	---	---	---	1	---	---	---	---	---	---	1	---	---	---	1
	450	20+20.75 A	71.8 ' LT	---	---	---	---	1	---	---	---	---	---	---	1	---	---	---	1
	455	21+75.00 A	65.3 ' LT	---	---	---	---	1	---	---	---	---	---	1	---	---	---	---	1
	505	23+60.00 A	58.9 ' LT	---	---	---	---	1	---	---	---	---	---	1	---	---	---	---	1
	510	23+68.50 A	9.0 ' LT	---	---	---	---	1	---	---	---	---	---	1	---	---	---	---	1
	515	23+99.75 A	30.9 ' RT	1	---	---	---	---	---	---	---	---	---	---	1	---	---	---	1
	520	24+49.50 A	57.6 ' LT	1	---	---	---	---	---	---	---	---	---	---	---	---	---	1	1
	525	24+59.00 A	2.6 ' LT	---	---	---	---	---	---	---	---	1	---	---	---	---	---	1	1
	530	23+98.00 A	97.5 ' RT	---	---	---	---	1	---	---	---	---	---	1	---	---	---	---	1
	535	23+25.00 A	59.1 ' LT	---	---	---	---	1	---	---	---	---	---	1	---	---	---	---	1
	540	23+18.00 A	56.6 ' LT	---	---	---	---	1	---	---	---	---	---	1	---	---	---	---	1
	545	26+03.50 A	76.7 ' LT	1	---	---	---	---	---	---	---	---	---	---	1	---	---	---	1
	550	26+08.50 A	70.1 ' LT	---	---	---	---	1	---	---	---	---	---	---	1	---	---	---	1
	555	26+30.50 A	50.7 ' LT	---	---	---	---	1	---	---	---	---	---	1	---	---	---	---	1
	560	26+12.50 A	23.8 ' LT	---	---	---	---	1	---	---	---	---	---	1	---	---	---	---	1
	565	25+98.00 A	2.5 ' RT	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	1
	570	25+67.00 A	10.2 ' LT	---	---	---	---	1	---	---	---	---	---	---	1	---	---	---	1
	580	29+05.00 A	15.0 ' LT	---	---	---	---	---	1	---	---	---	---	---	---	1	---	---	1
	605	1+70.00 STH 138	27.1 ' RT	---	1	---	---	---	---	---	---	---	1	---	---	---	---	---	1
	610	1+08.75 STH 138	49.2 ' LT	---	1	---	---	---	---	---	---	---	---	1	---	---	---	---	1
	620	1+55.00 STH 138	43.0 ' RT	---	---	---	---	---	---	1	---	---	---	---	---	2	---	---	1
	625	1+45.00 STH 138	19.5 ' RT	---	---	---	---	1	---	---	---	---	---	1	---	---	---	---	1
	635	1+82.00 STH 138	52.0 ' RT	---	1	---	---	---	---	---	---	---	---	1	---	---	---	---	1
	640	1+95.00 STH 138	18.2 ' RT	---	---	---	---	1	---	---	---	---	---	1	---	---	---	---	1
	645	1+00.00 STH 138	14.5 ' LT	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	1
	650	1+89.50 STH 138	52.7 ' LT	---	1	---	---	---	---	---	---	---	---	1	---	---	---	---	1
	655	1+13.00 STH 138	75.6 ' LT	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---	1
	665	3+28.50 STH 138	20.3 ' LT	---	---	---	---	1	---	---	---	---	---	---	1	---	---	---	1
	TOTALS			14	7	5	1	25	2	3	1	2	2	30	18	7	1	4	60

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

APRON ENDWALLS SUMMARY

CATEGORY	STRUCT. NO.	STATION	OFFSET	522.1012 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 12-INCH EACH	522.1018 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 18-INCH EACH	522.1024 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 24-INCH EACH	522.1030 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 30-INCH EACH	522.1036 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 36-INCH EACH	522.1042 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 42-INCH EACH	522.2624 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL 24x38-INCH EACH	SPV.0060.02 CONCRETE CUTOFF WALL EACH	611.9800.S PIPE GRATES EACH	633.5200 MARKERS CULVERT END EACH	* 650.4000 CONSTRUCTION STAKING STORM SEWER EACH
0010	100	14+10.00 A	136.3 ' RT	---	---	---	---	---	1	---	1	1	1	1
	300	16+91.00 A	98.6 ' RT	---	---	---	---	---	---	1	1	1	1	1
	400	16+42.00 A	103.4 ' LT	---	---	---	---	---	1	---	1	1	1	1
	420	21+18.75 A	113.0 ' LT	---	---	---	---	1	---	---	1	1	1	1
	500	24+00.00 A	85.0 ' RT	---	1	---	---	---	---	---	1	1	1	1
	575	28+75.00 A	45.0 ' RT	1	---	---	---	---	---	---	1	1	1	1
	600	1+30.00 STH 138	78.5 ' RT	---	---	1	---	---	---	---	1	1	1	1
	630	2+24.50 STH 138	132.5 ' RT	---	---	---	1	---	---	---	1	1	1	1
	660	3+00.00 STH 138	105.6 ' LT	---	---	1	---	---	---	---	1	1	1	1
			TOTALS	1	1	2	1	1	2	1	9	9	9	9

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

PIPE UNDERDRAIN SUMMARY

CATEGORY	STATION - STATION	LOCATION	209.0300.S.01 BACKFILL COARSE AGGREGATE SIZE NO. 1 CY	612.0406 PIPE UNDERDRAIN WRAPPED 6-INCH LF
0010	13+81 - 14+56	181'LT-92'LT	3.0	100
	15+19 - 14+74	4'RT-23'RT	1.5	50
	15+24 - 15+30	3'RT-53'LT	1.5	50
	18+79 - 19+47	27'RT	1.5	50
	19+74 - 19+24	27'RT	1.5	50
	20+29 - 20+79	72'LT	1.5	50
	20+21 - 19+71	72'LT	1.5	50
	24+50 - 24+32	2'LT-49'LT	1.5	50
	20+59 - 25+09	5'RT-11'RT	1.5	50
	26+09 - 26+46	70'LT-42'LT	1.5	50
	26+04 - 3+13 (STH 138)	77'LT-76'LT (STH 138)	1.9	65
	3+13 (STH 138) - 2+90 (STH 138)	76'LT (STH 138) - 53'LT (STH 138)	1.2	40
		TOTALS	19.4	655

3

MOBILIZATION

CATEGORY	PROJECT	619.1000 EACH
0010	5845-01-76	0.69

WATER

CATEGORY	LOCATION		624.0100 (BASE COMPACTION) MGAL	624.0100 (DUST CONTROL) MGAL
0010	US 51	LT/RT	226.2	30.0
	EXCAVATION COMMON	LT/RT	0.0	68.0
		TOTAL	324.2	

3

FINISHING ITEMS

CATEGORY	STATION - STATION	LOCATION	625.0100 TOPSOIL SY	627.0200 MULCHING SY	629.0210 FERTILIZER TYPE B CWT	630.0130 SEEDING MIXTURE NO. 30 LB	630.0300 SEEDING BORROW PIT LB	630.0500 SEED WATER MGAL	631.1000 SOD LAWN SY	631.0300 SOD WATER MGAL
0010	8+28 A - 29+87 A	RT	6,090	---	3.8	91	---	114	1,030	23
	10+00 B - 30+73 B	LT	5,280	---	3.3	78	---	97	950	21
	16+69 B - 33+26 B	MEDIAN	2,540	---	1.6	21	---	26	1,360	31
	10+00 A3 - 12+54 A3	RT/LT	870	---	0.5	12	---	15	220	5
	10+00 A7 - 12+48 A7	RT/LT	660	---	0.4	8	---	10	200	5
	8+73 B3 - 13+80 B3	RT/LT	3,210	---	2.0	43	---	54	800	18
	WASTE SITE	---	---	5,640	3.6	---	152	127	---	---
	UNDISTRIBUTED	---	4,660	1,410	3.8	63	38	111	1,140	26
	TOTALS		23,310	7,050	19.0	316	190	554	5,700	129

SILT FENCE ITEMS

CATEGORY	STATION - STATION	LOCATION	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF
0010	8+25 A - 15+00 A	RT	466	932
	18+00 A - 21+00 A	RT	286	572
	UNDISTRIBUTED	LT/RT	150	300
		TOTALS	902	1,804

MOBILIZATIONS EROSION CONTROL

CATEGORY	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EACH
0010	12	12

EROSION MAT URBAN CLASS 1 TYPE A

CATEGORY	STATION - STATION	LOCATION	628.2006 SY
0010	8+00 B - 33+00 B	LT/RT	10,570
	10+00 A3 - 12+55 A3	LT/RT	650
	10+00 A7 - 12+48 A7	LT/RT	460
	8+30 B3 - 13+81 B3	LT/RT	2,410
	UNDISTRIBUTED	LT/RT	3,520
		TOTAL	17,610

INLET PROTECTION SUMMARY

CATEGORY	STATION	LOCATION	628.7005 INLET PROTECTION TYPE A EACH	628.7015 INLET PROTECTION TYPE C EACH	628.7020 INLET PROTECTION TYPE D EACH
0010	11+28 A	29' RT	--	1	--
	13+55 A	29' RT	--	1	--
	13+91 A	0'	--	1	--
	18.00 A	57' RT	1	--	1
	19+71 A	25' RT	1	--	1
	19+74 A	0'	1	1	--
	19+79 A	26' RT	--	--	1
	21+24 A	25' RT	--	1	--
	21+24 A	0'	--	1	--
	23+99 A	29' RT	1	1	--
	25+98 A	0'	--	1	--
	29+05 A	14' LT	1	--	1
	10+03 A1	19' RT	1	1	--
	10+87 A1	33' RT	1	1	--
	11+29 A1	0'	1	--	1
	11+39 A1	0'	--	--	1
	11+57 A1	21' RT	1	1	--
	12+53 A1	32' RT	1	1	--
	13+11 A1	24' RT	1	--	1
	11+41 A3	32' LT	1	1	--
	11+89 A3	36' LT	1	1	--
	12+09 A3	20' RT	1	1	--
	12+53 A3	22' RT	--	--	1
	11+41 A7	0'	1	1	--
	12+20 A7	48' LT	--	1	--
	12+34 A7	22' RT	1	1	--
	11+33 B	28' LT	--	1	--
	12+61 B	28' LT	--	1	--
	13+55 B	24' LT	1	1	--
	15+78 B	31' LT	1	1	--
	15+82 B	81' LT	1	--	1
	20+29 B	38' LT	1	--	1
	20+37 B	0'	1	1	--
	20+36 B	38' LT	--	--	1
	21+24 B	38' LT	--	1	--
	21+79 B	38' LT	1	1	--
	23+35 B	42' LT	1	1	--
	23+45 B	43' LT	1	1	--
	24+03 B	26' LT	1	1	--
	24+04 B	53' LT	1	1	--
	25+97 B	30' LT	--	--	1
	26+07 B	30' LT	1	--	1
	26+43 B	0'	1	1	--
	26+47 B	30' LT	1	1	--
	10+84 B1	34' LT	1	1	--
	11+91 B1	34' LT	--	1	--
	12+16 B1	0'	--	--	1
	12+29 B1	0'	1	--	1
	13+31 B1	21' LT	1	1	--
	10+88 B3	31' RT	1	1	--
	10+98 B3	56' RT	1	--	1
	11+50 B3	37' LT	--	1	--
	13+22 B3	62' RT	--	1	--
	13+30 B3	38' LT	--	1	--
	13+36 B3	28' RT	1	1	--
	13+41 B3	0'	--	1	--
	13+56 B3	62' LT	--	1	--
	12+13 H	12.5' LT	--	1	--
	UNDISTRIBUTED		4	4	2
	TOTALS		39	46	18

3

TRACKING PADS

628.7560

CATEGORY	LOCATION	EACH
0010	UNDISTRIBUTED	13

FIELD OFFICE TYPE C

642.5201

CATEGORY	PROJECT	EACH
0010	5845-01-76	0.69

TRAFFIC CONTROL

643.5000

CATEGORY	PROJECT	EACH
0010	5845-01-76	0.69
	TOTAL	0.69

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PAVEMENT MARKING ITEMS

CATEGORY	STATION - STATION	LOCATION	646.1020 MARKING LINE EPOXY 4-INCH (WHITE) LF	646.1020 MARKING LINE EPOXY 4-INCH (YELLOW) LF	646.1020 MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW) LF	646.3020 MARKING LINE EPOXY 8-INCH LF	646.5020 MARKING ARROW EPOXY EACH	646.5120 MARKING WORD EPOXY YIELD EACH	646.6120 MARKING STOP LINE EPOXY 18-INCH LF	646.6320 MARKING DOTTED EXTENTION EPOXY 18-INCH LF	646.7120 MARKING DIAGONAL EPOXY 12-INCH (WHITE) LF	646.7120 MARKING DIAGONAL EPOXY 12-INCH (YELLOW) LF	646.7420 MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH LF	646.8120 MARKING CURB EPOXY (YELLOW) LF	646.8220 MARKING ISLAND NOSE EPOXY EACH
0010	8+00 B - 36+75 B	LT/RT	2,396	1,226	1,010	2,128	18	8	16	100	107	34	516	10	11
	10+00 A3 - 12+55 A3	LT/RT	---	---	476	28	---	1	14	22	---	18	70	10	1
	10+00 A7 - 12+48 A7	LT/RT	---	---	412	29	---	1	13	20	---	21	134	10	1
	8+30 B3 - 13+81 B3	LT/RT	704	---	---	316	2	2	12	28	24	---	129	---	---
		TOTALS		6,224		2,501	20	12	55	170	204		849	30	13

TEMPORARY PAVEMENT MARKING ITEMS

CATEGORY	STAGE	649.0105 TEMPORARY MARKING LINE PAINT 4-INCH (WHITE) LF	649.0105 TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW) LF	649.0150 TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE) LF	649.0150 TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW) LF	649.0150 TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW) LF	649.0205 TEMPORARY MARKING LINE PAINT 8-INCH (WHITE) LF	649.0250 TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE) LF	649.0505 TEMPORARY MARKING ARROW PAINT EACH	649.0550 TEMPORARY MARKING ARROW REMOVABLE TAPE EACH	649.0605 TEMPORARY MARKING WORD PAINT EACH	649.0805 TEMPORARY MARKING STOP LINE PAINT 18-INCH (WHITE) LF	649.0850 TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE) LF
0010	1	---	---	2,834	7,648	431	---	1,127	---	2	---	32	---
	SUBTOTAL	---	---	2,834	7,648	431	---	1,127	---	2	---	32	---
	2A	2,131	1,580	3,618	1,919	4,730	262	223	2	2	2	75	10
	2B	---	---	951	717	---	---	189	---	2	---	58	---
	2C	---	---	244	849	---	---	---	---	---	---	---	---
	SUBTOTAL	2,131	1,580	4,813	3,485	4,730	262	412	2	4	2	133	10
	3	---	---	4,157	1,777	5,617	---	482	---	2	---	39	81
	SUBTOTAL	---	---	4,157	1,777	5,617	---	482	---	2	---	39	81
	4A	---	---	1,079	5,774	380	---	366	---	6	7	145	---
	4B	---	---	390	527	---	---	---	---	---	---	8	---
	SUBTOTAL	---	---	1,469	6,301	380	---	366	---	6	7	153	---
	GRAND TOTALS	2,131	1,580	13,273	19,211	11,158	262	2,387	2	14	9	357	91
	ITEM TOTALS		3,711			43,642							

REMOVING PAVEMENT MARKING ITEMS

CATEGORY	STAGE	646.9000 MARKING REMOVAL LINE 4-INCH LF	646.9100 MARKING REMOVAL LINE 8-INCH LF	646.9200 MARKING REMOVAL LINE WIDE LF	646.9300 MARKING REMOVAL SPECIAL MARKING EACH
0010	1	3,441	---	---	---
	2	2,101	480	51	6
	3	---	---	---	---
	4	---	---	---	---
	UNDISTRIBUTED	200			
	TOTALS	5,742	480	51	6

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CONSTRUCTION STAKING SUMMARY

CATEGORY	650.4500 CONSTRUCTION STAKING SUBGRADE LF	650.5500 CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER LF	650.7000 CONSTRUCTION STAKING CONCRETE PAVEMENT LF	650.9920 CONSTRUCTION STAKING SLOPE STAKES LF
0010	2,370	1,830	2,470	2,870

CONSTRUCTION STAKING

CATEGORY	PROJECT	650.8500.01 ELECTRICAL INSTALLATIONS LS	650.9910.01 SUPPLEMENTAL CONTROL LS
0010	5845-01-76	1	1

REMOVING CONCRETE BASES

CATEGORY	INTERSECTION	BASE NO.	STATION	LOCATION	204.0195 EACH
0010	USH 51 AND STH 138	EXSB-1	22+97 A	36 LT	1
		EXSB-2	23+40 A	58 LT	1
		EXSB-3	23+76 A	50 LT	1
		EXSB-4	23+94 A	52 LT	1
		EXSB-5	24+43 A	12 RT	1
		EXSB-6	24+65 A	60 RT	1
		EXSB-7	22+96 A	97 RT	1
		EXSB-8	22+68 A	92 RT	1
		EXSB-9	22+92 A	33 RT	1
		EXSB-10	22+80 A	19 RT	1
		EXL-16	11+10 B3	1 LT	1
		EXL-17	9+50 B3	5 LT	1
		EXL-18	34+10 B	10 RT	1
			TOTAL		13

TEMPORARY TRAFFIC SIGNALS FOR INTERSECTIONS

CATEGORY	LOCATION	661.0200.01 LS
0010	USH 51 & STH 138	1

REMOVE AND SALVAGE TRAFFIC SIGNALS

CATEGORY	LOCATION	SPV.0105.01 LS
0010	USH 51 & STH 138	1

3

3

SAWING EXISTING PAVEMENT

CATEGORY	STAGE	690.0150 SAWING ASPHALT LF	690.0250 SAWING CONCRETE LF
0010	1	1,465	470
	2	912	748
	3	200	65
	4	---	---
	TOTALS	2,577	1,283

ADJUSTING VALVE BOX

CATEGORY	STATION	LOCATION	SPV.0060.08 EACH
0030	11+31 A3	RT	1
	11+44 A3	RT	1
	11+65 A3	LT	1
	11+70 A3	LT	1
	12+48 A3	LT	1
	11+32 A7	LT	1
	11+39 A7	LT	1
	11+16 B3	LT	1
	11+23 B3	LT	1
	11+27 B3	LT	1
	TOTAL		10

ADJUSTING SANITARY MANHOLE COVERS

CATEGORY	STATION	LOCATION	SPV.0060.09 EACH
0030	11+60 A8	RT	1

CATEGORY	STATION	LOCATION	SPV.0060.10 VERIFY AND REPLACE EXISTING LAND PARCEL MONUMENTS EACH	SPV.0060.11 RESEARCH AND LOCATE EXISTING LAND PARCEL MONUMENTS EACH
0010	8+61 A	55' RT	1	1
	8+61 A	58' RT	1	1
	9+45 A	57' RT	1	1
	10+27 A	59' RT	1	1
	11+52 A	62' RT	1	1
	11+62 A	62' RT	1	1
	14+05 A	62' RT	1	1
	18+10 A	47' RT	1	1
	10+30 A3	32' RT	1	1
	10+02 A7	30' RT	1	1
	10+67 A7	32' LT	1	1
	11+58 A7	52' LT	1	1
	11+40 B3	76' LT	1	1
	TOTAL		13	13

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TRAFFIC CONTROL

CATEGORY	STAGE	LOCATION	DURATION (DAYS)	643.0300 TRAFFIC CONTROL DRUMS EACH	643.0300 TRAFFIC CONTROL DRUMS DAY	643.0420 TRAFFIC CONTROL BARRICADES TYPE III EACH	643.0420 TRAFFIC CONTROL BARRICADES TYPE III DAY	643.0500 TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS EACH	643.0600 TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER BASES EACH	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A EACH	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A DAY	643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C EACH	643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C DAYS	643.0800 TRAFFIC CONTROL ARROW BOARDS EACH	643.0800 TRAFFIC CONTROL ARROW BOARDS DAYS	643.0900 TRAFFIC CONTROL SIGNS EACH	643.0900 TRAFFIC CONTROL SIGNS DAY	643.1050 TRAFFIC CONTROL SIGNS PCMS EACH	643.1050 TRAFFIC CONTROL SIGNS PCMS DAY
0010	0	ADVANCED NOTIFICATION	7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	7
		SUBTOTALS			0		0				0				0		0		7
	1	STAGE 1 TRAFFIC CONTROL	36	197	7,092	39	1,404	---	---	78	2,808	6	---	1	36	60	2,160	---	---
		SUBTOTALS			7,092		1,404	0	0		2,808		0		36		2,160		0
	2A	STAGE 2A TRAFFIC CONTROL	66	202	13,332	31	2,046	104	105	62	4,092	46	3,036	2	132	90	5,940	---	---
	2B	STAGE 2B TRAFFIC CONTROL	17	57	969	7	119	2	2	14	238	---	---	---	---	13	221	---	---
	2C	STAGE 2C TRAFFIC CONTROL	4	32	128	6	24	---	---	12	48	10	40	---	---	5	20	---	---
		SUBTOTALS			14,429		2,189	106	107		4,378		3,076		132		6,181		0
	3	STAGE 3 TRAFFIC CONTROL	61	153	9,333	25	1,525	94	82	50	3,050	30	1,830	1	61	73	4,453	---	---
		SUBTOTALS			9,333		1,525	94	82		3,050		1,830		61		4,453		0
	4A	STAGE 4A TRAFFIC CONTROL	8	244	1,952	15	120	---	---	30	240	5	40	---	---	33	264	---	---
	4B	STAGE 4B TRAFFIC CONTROL	4	97	388	4	16	---	---	8	32	8	32	---	---	8	32	---	---
		SUBTOTALS			2,340		136	0	0		272		72		0		296		0
		TOTALS			33,194		5,254	200	189		10,508		4,978		229		13,090		7

PERMANENT SIGNING SUMMARY

CATEGORY	SIGN NO.	APPROX. STA.	LOC.	SIGN CODE	SIGN MESSAGE	SIGN SIZE (W x H) IN	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	634.0614 POSTS WOOD 4x6-INCH x 14-FT EACH	634.0616 POSTS WOOD 4x6-INCH x 16-FT EACH	634.0618 POSTS WOOD 4x6-INCH x 18-FT EACH	634.0620 POSTS WOOD 4x6-INCH x 20-FT EACH	634.0622 POSTS WOOD 4x6-INCH x 22-FT EACH	REMARKS
0010	1 - 01	9+00 A	RT	W2-6	CIRCULAR INTERSECTION SIGN	30 x 30	---	6.3	---	1	---	---	---	
	1 - 02	9+00 A	RT	W13-1	ADVISORY SPEED PLATE (YELLOW BACK)	18 x 18	---	2.3	---	---	---	---	---	MOUNT SIGN UNDER 1-01
	1 - 03	11+00 A	RT	D1-62	ROUNDABOUT DESTINATION - DIRECTION SIGN	126 x 78	68.3	---	---	---	---	2	1	
	1 - 04	11+80 A	MEDIAN	R4-7	KEEP RIGHT	24 x 30	5.0	---	1	---	---	---	---	
	1 - 05	12+20 A	RT	W3-2	YIELD AHEAD	36 x 36	---	9.0	---	---	---	---	---	
	1 - 06	12+20 A	RT	R3-6X	ARROW LEFT AND AHEAD (ROUNDABOUT)	42 x 48	14.0	---	---	---	---	---	---	MOUNT ON S-13-554
	1 - 07	12+20 A	RT	R3-6R	ARROW RIGHT AND AHEAD	42 x 48	14.0	---	---	---	---	---	---	MOUNT ON S-13-554
	2 - 01	13+93 A	MEDIAN	R1-2	YIELD	36 x 31	3.9	---	---	---	1	---	---	
	2 - 02	13+93 A	MEDIAN	R6-2R	ONE WAY RIGHT ARROW	24 x 30	5.0	---	---	---	---	---	---	MOUNT SIGN UNDER 2-01
	2 - 03	14+10 A	RT	R1-2	YIELD	36 x 31	3.9	---	---	---	1	---	---	
	2 - 04	14+10 A	RT	R1-54	TO TRAFFIC FROM LEFT	24 x 15	2.5	---	---	---	---	---	---	MOUNT SIGN UNDER 2-03
	2 - 05	12+50 A8	MEDIAN	D1-1	ONE DESTINATION (ARROW)	78 x 15	8.1	---	2	---	---	---	---	
	2 - 06	12+40 A7	MEDIAN	R1-2	YIELD	36 x 31	3.9	---	---	---	1	---	---	
	2 - 07	12+40 A7	MEDIAN	R6-2R	ONE WAY RIGHT ARROW	24 x 30	5.0	---	---	---	---	---	---	MOUNT SIGN UNDER 2-06
	2 - 08	12+05 A7	RT	R1-1	STOP	30 x 30	5.2	---	1	---	---	---	---	
	2 - 09	12+60 A7	RT	R1-2	YIELD	36 x 31	3.9	---	---	---	1	---	---	
	2 - 10	12+60 A7	RT	R1-54	TO TRAFFIC FROM LEFT	24 x 15	2.5	---	---	---	---	---	---	MOUNT SIGN UNDER 2-09
	2 - 11	15+65 A	MEDIAN	D1-1	ONE DESTINATION (ARROW)	72 x 30	15.0	---	2	---	---	---	---	
	2 - 14	17+45 B	LT	R3-6R	ARROW RIGHT AND AHEAD	42 x 48	14.0	---	---	---	---	---	---	MOUNT ON S-13-555
	2 - 15	17+45 B	LT	R3-6X	ARROW LEFT AND AHEAD (ROUNDABOUT)	42 x 48	14.0	---	---	---	---	---	---	MOUNT ON S-13-555
	2 - 18	15+75 B	MEDIAN	R1-2	YIELD	36 x 31	3.9	---	---	---	1	---	---	
	2 - 19	15+75 B	MEDIAN	R6-2R	ONE WAY RIGHT ARROW	24 x 30	5.0	---	---	---	---	---	---	MOUNT SIGN UNDER 2-18
	2 - 20	15+60 B	LT	R1-2	YIELD	36 x 31	3.9	---	---	---	1	---	---	
	2 - 21	15+60 B	LT	R1-54	TO TRAFFIC FROM LEFT	24 x 15	2.5	---	---	---	---	---	---	MOUNT SIGN UNDER 2-20
	2 - 22	12+50 A4	MEDIAN	D1-1	ONE DESTINATION (ARROW)	66 x 15	6.9	---	2	---	---	---	---	
	2 - 23	11+50 A4	LT	R1-1	STOP	30 x 30	5.2	---	1	---	---	---	---	
	2 - 24	12+00 A4	MEDIAN	R4-7	KEEP RIGHT	24 x 30	5.0	---	1	---	---	---	---	
	2 - 25	12+45 A3	MEDIAN	R1-2	YIELD	36 x 31	3.9	---	---	---	1	---	---	
	2 - 26	12+45 A3	MEDIAN	R6-2R	ONE WAY RIGHT ARROW	24 x 30	5.0	---	---	---	---	---	---	MOUNT SIGN UNDER 2-25
	2 - 27	12+55 A3	LT	R1-2	YIELD	36 x 31	3.9	---	---	---	1	---	---	
	2 - 28	12+55 A3	LT	R1-54	TO TRAFFIC FROM LEFT	24 x 15	2.5	---	---	---	---	---	---	MOUNT SIGN UNDER 2-27
	2 - 29	10+31 A1	MEDIAN	R6-1R	ONE WAY RIGHT ARROW	36 x 12	3.0	---	---	---	1	---	---	
	2 - 30	10+31 A1	MEDIAN	R6-4B	ROUNDABOUT CHEVRON BANK	60 x 24	10.0	---	---	---	---	---	---	MOUNT SIGN UNDER 2-29
	2 - 31	11+18 A1	MEDIAN	R6-1R	ONE WAY RIGHT ARROW	36 x 12	3.0	---	---	---	1	---	---	
	2 - 32	11+18 A1	MEDIAN	R6-4B	ROUNDABOUT CHEVRON BANK	60 x 24	10.0	---	---	---	---	---	---	MOUNT SIGN UNDER 2-31
	2 - 33	12+20 A1	MEDIAN	R6-1R	ONE WAY RIGHT ARROW	36 x 12	3.0	---	---	---	1	---	---	
	2 - 34	12+20 A1	MEDIAN	R6-4B	ROUNDABOUT CHEVRON BANK	60 x 24	10.0	---	---	---	---	---	---	MOUNT SIGN UNDER 2-33
	2 - 35	13+00 A1	MEDIAN	R6-1R	ONE WAY RIGHT ARROW	36 x 12	3.0	---	---	---	1	---	---	
	2 - 36	13+00 A1	MEDIAN	R6-4B	ROUNDABOUT CHEVRON BANK	60 x 24	10.0	---	---	---	---	---	---	MOUNT SIGN UNDER 2-35
	2 - 37	13+95 B	RT	D1-1	ONE DESTINATION (ARROW)	72 x 30	15.0	---	2	---	---	---	---	
	3 - 01	19+90 B	LT	D1-62	ROUNDABOUT DESTINATION - DIRECTION SIGN	126 x 78	68.3	---	---	---	---	2	1	
	3 - 02	20+00 A	RT	D1-62	ROUNDABOUT DESTINATION - DIRECTION SIGN	84 x 66	39.0	---	---	---	---	2	---	
	3 - 03	22+00 A	RT	R3-6X	ARROW LEFT AND AHEAD (ROUNDABOUT)	42 x 48	14.0	---	---	---	---	---	---	MOUNT ON S-13-556
	3 - 04	22+00 A	RT	R3-5A	ARROW UP/ONLY	42 x 48	14.0	---	---	---	---	---	---	MOUNT ON S-13-556
	4 - 01	24+00 A	MEDIAN	R1-2	YIELD	36 x 31	3.9	---	---	---	1	---	---	
						SHEET TOTAL	442.1	17.6	12	1	13	6	2	

CON'T NEXT SHEET

3

PERMANENT SIGNING SUMMARY (CON'T)

CATEGORY	SIGN NO.	APPROX. STA.	LOC.	SIGN CODE	SIGN MESSAGE	SIGN SIZE (W x H) IN	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	634.0614 POSTS WOOD 4x6-INCH x 14-FT EACH	634.0616 POSTS WOOD 4x6-INCH x 16-FT EACH	634.0618 POSTS WOOD 4x6-INCH x 18-FT EACH	634.0620 POSTS WOOD 4x6-INCH x 20-FT EACH	634.0622 POSTS WOOD 4x6-INCH x 22-FT EACH	REMARKS
0010	4 - 02	24+00 A	MEDIAN	R6-2R	ONE WAY RIGHT ARROW	24 x 30	5.0	---	---	---	---	---	---	MOUNT SIGN UNDER 4-01
	4 - 03	24+25 A	RT	R1-2	YIELD	36 x 31	3.9	---	---	---	1	---	---	
	4 - 04	24+25 A	RT	R1-54	TO TRAFFIC FROM LEFT	24 x 15	2.5	---	---	---	---	---	---	MOUNT SIGN UNDER 4-03
	4 - 05	25+65 A	MEDIAN	D1-2	TWO DESTINATIONS (ARROWS)	66 x 36	16.5	---	---	2	---	---	---	
	4 - 06	26+10 B	MEDIAN	R1-2	YIELD	36 x 31	3.9	---	---	---	1	---	---	
	4 - 07	26+10 B	MEDIAN	R6-2R	ONE WAY RIGHT ARROW	24 x 30	5.0	---	---	---	---	---	---	MOUNT SIGN UNDER 4-06
	4 - 08	25+90 B	LT	R1-2	YIELD	36 x 31	3.9	---	---	---	1	---	---	
	4 - 09	25+90 B	LT	R1-54	TO TRAFFIC FROM LEFT	24 x 15	2.5	---	---	---	---	---	---	MOUNT SIGN UNDER 4-08
	4 - 10	13+90 B4	MEDIAN	D1-2	TWO DESTINATIONS (ARROWS)	66 x 36	16.5	---	---	2	---	---	---	
	4 - 11	13+90 B3	MEDIAN	R1-2	YIELD	36 x 31	3.9	---	---	---	1	---	---	
	4 - 12	13+90 B3	MEDIAN	R6-2R	ONE WAY RIGHT ARROW	24 x 30	5.0	---	---	---	---	---	---	MOUNT SIGN UNDER 4-11
	4 - 13	13+85 B3	LT	R1-2	YIELD	36 x 31	3.9	---	---	---	1	---	---	
	4 - 14	13+85 B3	LT	R1-54	TO TRAFFIC FROM LEFT	24 x 15	2.5	---	---	---	---	---	---	MOUNT SIGN UNDER 4-13
	4 - 15	12+20 B1	MEDIAN	R6-1R	ONE WAY RIGHT ARROW	36 x 12	3.0	---	---	---	1	---	---	
	4 - 16	12+20 B1	MEDIAN	R6-4B	ROUNDABOUT CHEVRON BANK	60 x 24	10.0	---	---	---	---	---	---	MOUNT SIGN UNDER 4-15
	4 - 17	10+25 B1	MEDIAN	R6-1R	ONE WAY RIGHT ARROW	36 x 12	3.0	---	---	---	1	---	---	
	4 - 18	10+25 B1	MEDIAN	R6-4B	ROUNDABOUT CHEVRON BANK	60 x 24	10.0	---	---	---	---	---	---	MOUNT SIGN UNDER 4-17
	4 - 19	11+20 B1	MEDIAN	R6-1R	ONE WAY RIGHT ARROW	36 x 12	3.0	---	---	---	---	1	---	
	4 - 20	11+20 B1	MEDIAN	R6-4B	ROUNDABOUT CHEVRON BANK	60 x 24	10.0	---	---	---	---	---	---	MOUNT SIGN UNDER 4-19
	4 - 21	24+20 B	MEDIAN	D1-1	ONE DESTINATION (ARROW)	72 x 30	15.0	---	2	---	---	---	---	
	4 - 22	23+50 B	LT	W4-2R	LANE REDUCTION TRANSITION SYMBOL - RIGHT	36 x 36	---	9.0	---	1	---	---	---	
	5 - 01	28+20 B	MEDIAN	R3-6R	ARROW RIGHT AND AHEAD	42 x 48	14.0	---	---	---	---	---	---	MOUNT ON S-13-557
	5 - 02	28+20 B	MEDIAN	R3-5A	ARROW UP/ONLY	42 x 48	14.0	---	---	---	---	---	---	MOUNT ON S-13-557
	5 - 03	28+55 B	LT	W3-2	YIELD AHEAD	36 x 36	---	9.0	1	---	---	---	---	
	5 - 04	29+25 B	LT	D1-62	ROUNDABOUT DESTINATION - DIRECTION SIGN	84 x 78	45.5	---	---	---	1	1	---	
	5 - 05	32+00 B	LT	W2-6	CIRCULAR INTERSECTION SIGN	30 x 30	---	6.3	---	1	---	---	---	
	5 - 06	32+00 B	LT	W13-1	ADVISORY SPEED PLATE (YELLOW BACK)	18 x 18	---	2.3	---	---	---	---	---	MOUNT SIGN UNDER 5-05
	6 - 01	10+50 A3	RT	W2-6	CIRCULAR INTERSECTION SIGN	30 x 30	---	6.3	---	1	---	---	---	
	6 - 02	10+50 A3	RT	W13-1	ADVISORY SPEED PLATE (YELLOW BACK)	18 x 18	---	2.3	---	---	---	---	---	MOUNT SIGN UNDER 6-01
	6 - 03	10+25 A7	RT	W2-6	CIRCULAR INTERSECTION SIGN	30 x 30	---	6.3	---	1	---	---	---	
	6 - 04	10+25 A7	RT	W13-1	ADVISORY SPEED PLATE (YELLOW BACK)	18 x 18	---	2.3	---	---	---	---	---	MOUNT SIGN UNDER 6-03
	6 - 05	11+45 A7	MEDIAN	R4-7	KEEP RIGHT	24 x 30	5.0	---	1	---	---	---	---	
	7 - 01	10+25 B3	RT	D1-62	ROUNDABOUT DESTINATION - DIRECTION SIGN	132 x 42	38.5	---	---	3	---	---	---	
	7 - 03	12+00 B3	RT	R3-5X	ARROW UP LEFT/ONLY (ROUNDABOUT)	42 x 48	14.0	---	---	---	---	---	---	MOUNT ON S-13-558
	7 - 04	12+00 B3	RT	R3-5L	ARROW UP LEFT/ONLY	42 x 48	14.0	---	---	---	---	---	---	MOUNT ON S-13-558
	7 - 05	12+00 B3	RT	R3-5R	ARROW UP RIGHT/ONLY	42 x 48	14.0	---	---	---	---	---	---	MOUNT ON S-13-558
					SHEET TOTAL		288.0	43.8	4	11	8	2	0	
					TOTALS		730.1	61.4	16	12	21	8	2	

3

LIGHTING PULL BOX SUMMARY

CATEGORY	PULL BOX NO.	STATION	LOCATION	653.0164 PULL BOXES NON-CONDUCTIVE 24X42-INCH EACH
0010	LPB-1	12+06 A8	35.92' LT	1
	LPB-2	11+95 A3	363.8' RT	1
	LPB-3	12+19 A7	43.00' RT	1
	LPB-4	12+08 A4	35.13' LT	1
	LPB-5	16+17 A	45.61' RT	1
	LPB-6	16+35 A	9.20' LT	1
	LPB-7	16+40 B	48.08' LT	1
	LPB-8	23+78 A	51.66' RT	1
	LPB-9	24+4 B	22.35' RT	1
	LPB-10	24+29 B	32.35' LT	1
	LPB-11	23+70 B	72.88' LT	1
	LPB-12	24+18 B	79.81' LT	1
	LPB-13	13+24 B3	34.23' RT	1
	LPB-14	13+31 B4	38.49' LT	1
			TOTAL	14

LIGHTING CONTROL SUMMARY

CATEGORY	CABINET NO.	STATION	LOCATION	659.2130 LIGHTING CONTROL CABINETS 120/240 30-INCH EACH	654.0230 CONCRETE CONTROL CABINET BASES TYPE L30 EACH	656.0200.01 ELECTRICAL SERVICE METER BREAKER PEDESTAL LS
0010	LC-1	23+91 B	76.96' LT	1	1	1

STREET LIGHTING SUMMARY (POLE LUMINAIRE)

CATEGORY	LIGHT NO.	STATION	LOCATION	654.0105 CONCRETE BASES TYPE 5 EACH	654.0106 CONCRETE BASES TYPE 6 EACH	655.0610 ELECTRICAL WIRE LIGHTING 12 AWG LF	655.0610 ELECTRICAL WIRE LIGHTING 12 AWG (GROUND) LF	657.0327 POLES TYPE 6-ALUMINUM EACH	657.0705 LUMINAIRE ARMS TRUSS TYPE 4 1/2 INCH CLAMP 10-FT EACH	659.1125 LUMINAIRES UTILITY LED C EACH	657.0255 TRANSFORMER BASES BREAKAWAY 11 1/2-INCH BOLT CIRCLE EACH	SPV.0060.03 REMOVE AND REINSTALL EXISTING LIGHT POLES EACH
0010	L-1	10+42 A1	56' RT	--	1	96	48	1	1	1	1	--
	L-2	13+13 A1	56' RT	--	1	96	48	1	1	1	1	--
	L-3	12+25 A1	57' RT	--	1	96	48	1	1	1	1	--
	L-4	11+26 A1	56' LT	--	1	96	48	1	1	1	1	--
	L-5	16+28 A	12' RT	--	1	192	96	1	2	2	1	--
	L-6	18+76 A	13' LT	--	1	192	96	1	2	2	1	--
	L-7	21+09 A	16' LT	--	1	192	96	1	2	2	1	--
	L-8	23+39 A	8' LT	--	1	192	96	1	2	2	1	--
	L-9	12+36 B1	55' RT	--	1	96	48	1	1	1	1	--
	L-10	11+34 B1	45' RT	--	1	96	48	1	1	1	1	--
	L-11	25+61 A	53' RT	--	1	96	48	1	1	1	1	--
	L-12	26+78 B	48' LT	--	1	96	48	1	1	1	1	--
	L-13	10+33 B1	56' RT	--	1	96	48	1	1	1	1	--
	L-14	12+84 B3	30' RT	--	1	96	48	1	1	1	1	--
	L-15	28+19 A	39' RT	--	1	96	48	1	1	1	1	--
	EXL-16	10+71 B4	2' RT	--	1	--	--	--	--	--	--	1
	EXL-17	9+26 B4	5' RT	--	1	--	--	--	--	--	--	1
	EXL-18	34+24 B	11' RT	1	1	--	--	--	--	--	--	1
			SUBTOTALS			1,824	912					
			TOTALS	1	18	2,736		15	19	19	15	3

LIGHTING CONDUIT SUMMARY

CATEGORY	EQUIP. LOCATION FROM	TO	652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	652.0235 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH LF
0010	LC-1	LPB-11		42
	LC-1	LPB-12	--	60
	LPB-12	LPB-10	--	90
	LPB-10	L-10	31	--
	L-10	LPB-13	94	--
	LPB-13	L-14	28	--
	LPB-13	LPB-14	--	180
	LPB-14	L-13	66	--
	L-13	L-12	83	--
	LPB-10	LPB-9	--	116
	LPB-9	LPB-8	--	134
	LPB-8	L-9	59	--
	L-9	L-11	138	--
	L-11	L-15	236	--
	LPB-9	L-8	52	--
	L-8	L-7	228	--
	L-7	L-6	232	--
	L-6	LPB-6	228	--
	LPB-6	L-5	16	--
	LPB-6	LPB-5	--	116
	LPB-5	L-4	75	--
	L-4	LPB-3	48	--
	LPB-3	LPB-1	--	185
	LPB-1	L-1	60	--
	LPB-6	LPB-7	--	102
	LPB-7	L-3	80	--
	L-3	LPB-4	52	--
	LPB-4	LPB-2	--	170
	LPB-2	L-2	85	--
	LPB-6	LPB-7	--	102
	INSTALL CONDUIT INTO EX. ITEM	EXL-17	93	--
	EXL-17	EXL-16	145	--
	INSTALL CONDUIT INTO EX. ITEM	EXL-18	140	--
		TOTALS	2,269	1,297

INSTALL CONDUIT INTO EXISTING ITEM

CATEGORY	LOCATION STATION	652.0700.S EACH
0010	8+32 B4 8.3' RT	1
0010	34+24 B 11.1 RT	1
		2

ELECTRICAL WIRE LIGHTING

CATEGORY	EQUIP. LOCATION FROM	TO	*655.0615 10 AWG LF
0010	LC-1	L-11	900
	LC-1	L-10	278
	L-10	L-13	554
	LC-1	L-09	618
	L-09	L-15	768
	LC-1	L-14	542
	L-14	L-12	582
	LC-1	L-8	908
	L-8	L-7	940
	L-7	L-6	936
	L-6	L-5	980
	L-5	L-4	334
	L-5	L-2	988
	L-5	L-3	338
	L-5	L-1	772
	CB-100	EXL-17	578
	EXL-17	EXL-16	304
	SB-07	EXL-18	304
		TOTAL	11,624

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

ELECTRICAL WIRE LIGHTING-SYSTEM GROUNDING CONDUCTOR

CATEGORY	EQUIP. LOCATION FROM	TO	*655.0615 10 AWG LF
0010	LC-1	L-10	136
	L-10	L-14	132
	L-14	L-13	203
	L-13	L-12	87
	L-10	L-8	160
	L-8	L-9	196
	L-9	L-11	141
	L-11	L-15	237
	L-8	L-7	232
	L-7	L-6	234
	L-6	L-5	256
	L-5	L-4	164
	L-4	L-1	219
	L-5	L-3	166
	L-3	L-2	243
	CB-100	EXL-17	289
	EXL-17	EXL-16	152
	SB-7	EXL-18	140
		TOTAL	3,387

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
TRANSPORTATION PROJECT PLAT TITLE SHEET

5845-01-22

STOUGHTON - MADISON

SILVERADO DR/HOEL AVE INTERSECTION

USH 51

DANE COUNTY

CONVENTIONAL SYMBOLS

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

SECTION CORNER SYMBOL (18 13 24 19 16 15 9)
SECTION CORNER MONUMENT
R/W MONUMENT (TO BE SET)
NON-MONUMENTED R/W POINT
FOUND IRON PIN (3/4" REBAR UNLESS NOTED) IP
FOUND CHISELED X CX
GEODETIC SURVEY MONUMENT NGS
SIXTEENTH CORNER MONUMENT
SIGN SIGN
OFF-PREMISE SIGN I-25 SIGN

	COMPENSABLE	NON-COMPENSABLE
ELECTRIC POLE	■	○
TELEPHONE POLE	●	⌀
PEDESTAL (LABEL TYPE) (TV, TEL, ELEC, ETC.)	✖	⌗

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

PARCEL NUMBER (25) UTILITY NUMBER (40)
PARALLEL OFFSETS
TLE POINT TLE100
R/W BOUNDARY PONT PRW100

CONVENTIONAL ABBREVIATIONS

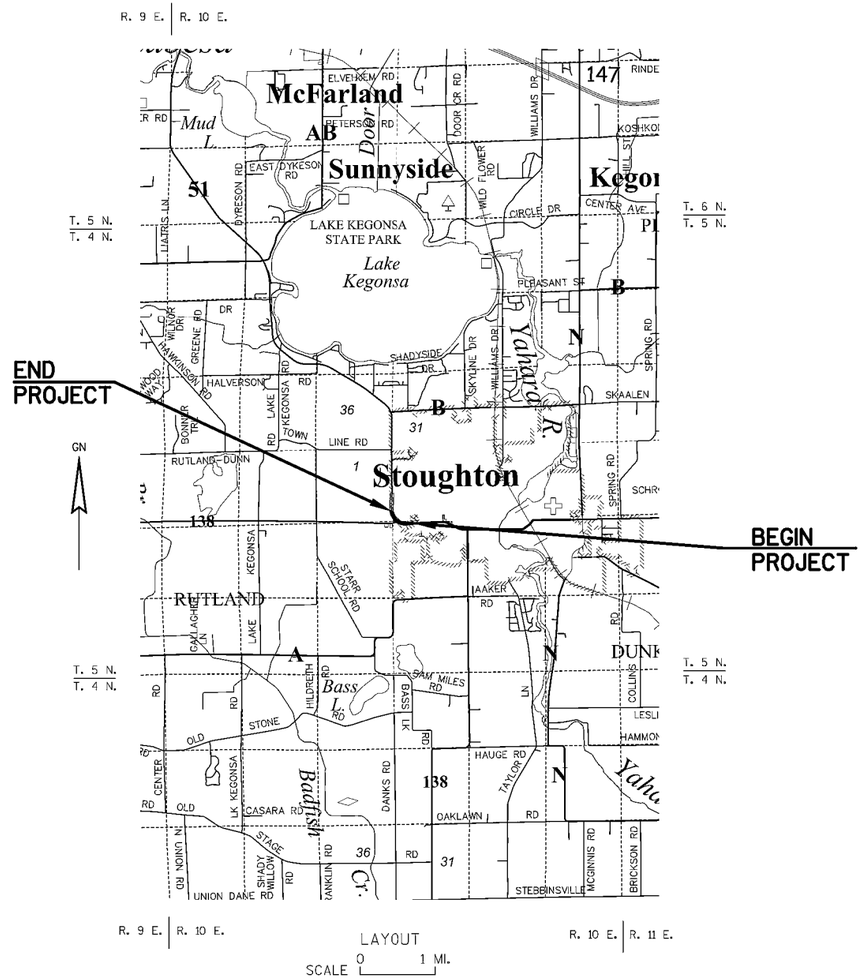
ACCESS RIGHTS	AR	POINT OF INTERSECTION	PI
ACRES	AC	PROPERTY LINE	PL
AHEAD	AH	REBAR	REBR.
ALUMINUM	ALUM	RECORDED AS	(100')
AND OTHERS	ET AL	REEL / IMAGE	R/I
BACK	BK	REFERENCE LINE	R/L
BLOCK	BLK	REMAINING	REM
CENTERLINE	C/L	RESTICTIVE DEVELOPMENT EASEMENT	RDE
CERTIFIED SURVEY MAP	CSM	RIGHT	RT
CONCRETE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

CURVE DATA

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

CONVENTIONAL UTILITY SYMBOLS

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



THE NOTES,CONVENTIONAL SIGNS, AND ABBREVIATIONS ARE ASSOCIATED WITH EACH TRANSPORTATION PROJECT PLAT FOR PROJECT 5845-01-22

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), DANE COUNTY, NAD 83 (2011) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY ¾" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

ALL RIGHT-OF-WAY LINES DEPICTED IN THE NON-ACQUISITION AREAS ARE INTENDED TO RE-ESTABLISH EXISTING RIGHT-OF-WAY LINES AS DETERMINED FROM PREVIOUS PROJECTS, OTHER RECORDED DOCUMENTS, OR FROM CENTERLINE OF EXISTING PAVEMENTS.

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

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

A TEMPORARY LIMITED EASEMENT (TLE) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON, THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE. ALL (TLEs) ON THIS PLAT EXPIRE AT THE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS INSTRUMENT IS GIVEN.

A PERMANENT LIMITED EASEMENT (PLE) IS A RIGHT FOR CONSTRUCTION AND MAINTENANCE PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE, BUT WITHOUT PREJUDICE TO THE OWNER'S RIGHTS TO MAKE OR CONSTRUCT IMPROVEMENTS ON SAID LANDS OR TO FLATTEN THE SLOPES, PROVIDING SAID ACTIVITIES WILL NOT IMPAIR OR OTHERWISE ADVERSELY AFFECT THE HIGHWAY FACILITIES.

AN EASEMENT FOR HIGHWAY PURPOSES (HE), AS LONG AS SO USED, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE.

PROPERTY LINES SHOWN ON THIS PLAT ARE DRAWN FROM DATA DERIVED FROM MAPS AND DOCUMENTS OF PUBLIC RECORD AND/OR EXISTING OCCUPATIONAL LINES. THIS PLAT MAY NOT BE A TRUE REPRESENTATION OF EXISTING PROPERTY LINES, EXCLUDING RIGHT-OF-WAY, AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

PARCEL IDENTIFICATION NUMBERS MAY NOT POINT TO ALL AREAS OF ACQUISITION, AS NOTED ON THE SCHEDULE OF LANDS & INTERESTS REQUIRED.

EXISTING R/W FOR USH 51 BASED ON PREVIOUS PROJECT: T 0250(1), 450-A, 5998-01-01, PLAT OF DVORAK'S ADDITION, CSM 5317, CSM 12150, CSM 12301, CSM 14058, PLAT OF SURVEY 2000-00586.

EXISTING R/W FOR HOEL AVENUE BASED ON PREVIOUS PROJECT: T 0250(1), CSM 6509, CSM 11597, PLAT OF SURVEY 97-00100.

EXISTING R/W FOR MCCOMB ROAD BASED ON PREVIOUS PROJECT: T 0250(1), CSM 10950, CSM 11597, CSM 4659, MCCOMB PLACE CONDOMINIUM, PLAT OF SURVEY MAP NO. 6211 BY GEORGE WEIR.

EXISTING R/W FOR SILVERADO DRIVE BASED ON PLAT OF DVORAK'S ADDITION.

EXISTING R/W FOR STH 138 BASED ON PREVIOUS PROJECT: T 0250(1), CSM 14057, CSM 14058.

EXISTING R/W FOR VEEK ROAD BASED ON CSM 3435 & CSM 14058.

EXISTING ACCESS CONTROL ON USH 51 BASED ON PREVIOUS PROJECT: T 0250(1) AND CSM 14058.

EXISTING ACCESS CONTROL ON STH 138 BASED ON PREVIOUS PROJECT: 5567-01-29 AND CSM 14058.

EXISTING ACCESS CONTROL ON VEEK ROAD BASED ON PREVIOUS PROJECT: T 0250(1) AND CSM 14058.

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 5845-01-22-4.01
SHEET 2 OF 2
AMENDMENT NO:

TRANSPORTATION PROJECT PLAT NO: 5845-01-22 - 4.01

THAT PART OF LOTS 4, 5, & 6 OF DVORAK'S ADDITION IN THE SOUTHWEST 1/4 OF THE SOUTHWEST 1/4 OF SECTION 6, AND THAT PART OF LOT 1 OF CSM 5317 IN THE SOUTHEAST 1/4 OF THE SOUTHWEST 1/4 OF SECTION 6, AND THAT PART OF LOT 1 OF CSM 12150 IN THE SOUTHWEST 1/4 OF THE SOUTHWEST 1/4 OF SECTION 6, AND THAT PART OF LOT 1 OF CSM 12301 IN THE NORTHEAST 1/4 OF THE NORTHWEST 1/4 OF SECTION 7, AND THAT PART OF NORTHWEST 1/4 OF THE NORTHWEST 1/4 OF SECTION 7, AND THAT PART OF THE NORTHEAST 1/4 OF THE NORTHWEST 1/4 OF SECTION 7, TOWNSHIP 5 NORTH, RANGE 11 EAST, IN THE CITY OF STOUGHTON, AND THAT PART OF THE SOUTHEAST 1/4 OF THE SOUTHWEST 1/4 OF SECTION 6, TOWNSHIP 5 NORTH, RANGE 11 EAST, IN THE TOWN OF DUNKIRK, ALL IN DANE COUNTY, WISCONSIN.

RELOCATION ORDER USH 51 STOUGHTON - MADISON (SILVERADO DR/HOEL AVE INTERSECTION)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

FOUND IRON PINS ARE 3/4" REBAR UNLESS OTHERWISE NOTED.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), DANE COUNTY, NAD83 (2011) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

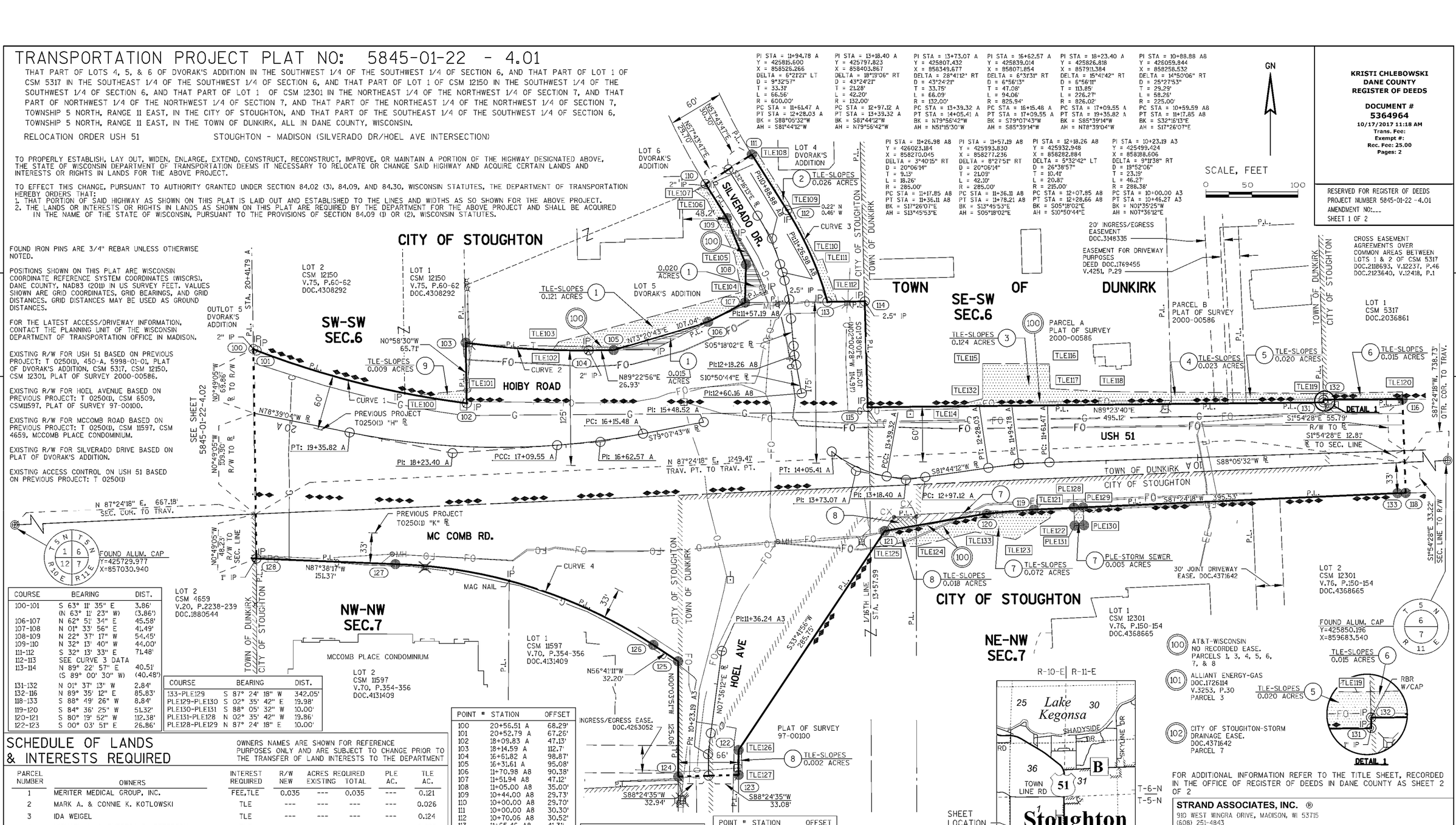
EXISTING R/W FOR USH 51 BASED ON PREVIOUS PROJECT: T 0250(1), 450-A, 5998-01-01, PLAT OF DVORAK'S ADDITION, CSM 5317, CSM 12150, CSM 12301, PLAT OF SURVEY 2000-00586.

EXISTING R/W FOR HOEL AVENUE BASED ON PREVIOUS PROJECT: T 0250(1), CSM 6509, CSM11597, PLAT OF SURVEY 97-00100.

EXISTING R/W FOR MCCOMB ROAD BASED ON PREVIOUS PROJECT: T 0250(1), CSM 11597, CSM 4659, MCCOMB PLACE CONDOMINIUM.

EXISTING R/W FOR SILVERADO DRIVE BASED ON PLAT OF DVORAK'S ADDITION.

EXISTING ACCESS CONTROL ON USH 51 BASED ON PREVIOUS PROJECT: T 0250(1)



COURSE	BEARING	DIST.
100-101	S 63° 11' 35" E	3.86'
	(N 63° 11' 23" W)	(3.86')
106-107	N 62° 51' 34" E	45.58'
107-108	N 01° 33' 56" E	41.49'
108-109	N 22° 37' 17" W	54.45'
109-110	N 32° 13' 40" W	44.00'
111-112	S 32° 13' 33" E	71.48'
112-113	SEE CURVE 3 DATA	
113-114	N 89° 22' 57" E	40.51'
	(S 89° 00' 30" W)	(40.48')
131-132	N 01° 37' 13" W	2.84'
132-116	N 89° 35' 12" E	85.83'
116-133	S 88° 49' 26" W	8.84'
119-120	S 84° 36' 25" W	51.32'
120-121	S 80° 19' 52" W	112.38'
122-123	S 00° 03' 51" E	26.86'

COURSE	BEARING	DIST.
133-PLE129	S 87° 24' 18" W	342.05'
PLE129-PLE130	S 02° 35' 42" E	19.98'
PLE130-PLE131	S 88° 05' 32" W	10.00'
PLE131-PLE128	N 02° 35' 42" W	19.86'
PLE128-PLE129	N 87° 24' 18" E	10.00'

POINT #	STATION	OFFSET
100	20+56.51 A	68.29'
101	20+52.79 A	67.26'
102	18+09.83 A	47.13'
103	18+14.59 A	112.7'
104	16+61.82 A	98.87'
105	16+31.61 A	95.08'
106	11+70.98 A8	90.38'
107	11+51.94 A8	47.12'
108	11+05.00 A8	35.00'
109	10+44.00 A8	29.73'
110	10+00.00 A8	29.70'
111	10+00.00 A8	30.30'
112	10+70.06 A8	30.52'
113	11+65.46 A8	41.31'
114	11+69.43 A8	81.54'
115	14+04.65 A	61.95'
116	7+75.68 A	55.79'
118	7+75.68 A	46.03'
119	11+81.72 A	50.35'
120	12+36.90 A	49.41'
121	13+33.53 A	59.41'
122	10+30.30 A3	32.39'
123	10+00.00 A3	33.09'
124	10+00.00 A3	32.94'
125	11+18.88 A3	45.50'
126	16+40.84 A	228.29'
127	18+69.61 A	134.02'
128	20+08.46 A	154.58'
131	8+61.50 A	55.19'
132	8+61.48 A	58.03'
133	7+84.52 A	45.92'

POINT #	STATION	OFFSET
PLE128	11+36.54 A	50.14'
PLE129	11+26.54 A	50.02'
PLE130	11+26.30 A	70.00'
PLE131	11+36.30 A	70.00'
TLE100	18+68.08 A	51.09'
TLE101	18+10.80 A	61.47'
TLE102	17+05.98 A	103.43'
TLE103	16+97.95 A	111.58'
TLE104	11+37.47 A8	48.31'
TLE105	10+87.81 A8	42.30'
TLE106	10+15.32 A8	37.48'
TLE107	10+00.00 A8	43.70'
TLE108	10+00.00 A8	36.00'
TLE109	10+65.00 A8	36.00'
TLE110	11+25.00 A8	40.00'
TLE111	11+25.00 A8	46.00'

POINT #	STATION	OFFSET
TLE117	11+58.00 A	80.00'
TLE118	11+00.00 A	75.00'
TLE119	8+65.00 A	65.00'
TLE120	7+75.51 A	63.79'
TLE121	11+62.58 A	50.45'
TLE122	11+62.64 A	60.53'
TLE123	12+05.96 A	81.44'
TLE124	13+10.24 A	74.68'
TLE125	13+39.11 A	77.64'
TLE126	10+35.80 A3	35.05'
TLE127	10+00.00 A3	37.00'
TLE132	12+23.86 A	75.15'
TLE133	12+52.15 A	67.32'
TLE112	11+66.60 A8	52.00'
TLE114	12+56.15 A	71.58'
TLE115	12+19.46 A	112.97'
TLE116	11+58.00 A	107.00'

CURVE 1
R=981.74'
L=236.14' (236.21')
LC=235.57' (235.64')
LCB=S75° 57' 17"E (S75°57'13"E)

CURVE 2
R=916.74'
L=133.85'
LC=133.73'
LCB=S86° 26' 51"E

CURVE 3
R=370.00'
L=109.17' (109.31')
LC=108.78' (108.91')
LCB=S23° 45' 45"E (N24° 15' 12"W)

CURVE 4
R=539.96'
L=297.03'
LC=293.30'
LCB=N72° 36' 54"W

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT

PARCEL NUMBER	OWNERS	INTEREST REQUIRED	R/W NEW	ACRES REQUIRED EXISTING	ACRES REQUIRED TOTAL	PLE AC.	TLE AC.
1	MERITER MEDICAL GROUP, INC.	FEE,TLE	0.035	---	0.035	---	0.121
2	MARK A. & CONNIE K. KOTLOWSKI	TLE	---	---	---	---	0.026
3	IDA WEIGEL	TLE	---	---	---	---	0.124
4	MICHAEL A. & THERESA R. PETERSON	TLE	---	---	---	---	0.023
5	PETERSON STOUGHTON PROPERTY LLC.	TLE	---	---	---	---	0.020
6	STOUGHTON PICK LLC.	TLE	---	---	---	---	0.015
7	UNIVERSAL SILENCER PROPERTIES I, LLC.	FEE,PLE,TLE	0.014	---	0.014	0.005	0.072
8	FOUR LAKES HOLDINGS LLC.	FEE,TLE	0.008	---	0.008	---	0.020
9	STOUGHTON SWAC, LLC	TLE	---	---	---	---	0.009

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
100	AT&T WISCONSIN	RELEASE OF RIGHTS
101	ALLIANT ENERGY-GAS	RELEASE OF RIGHTS
102	CITY OF STOUGHTON-STORM	RELEASE OF RIGHTS

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF REGISTER OF DEEDS IN DANE COUNTY AS SHEET 2 OF 2

STRAND ASSOCIATES, INC. ®
910 WEST WINGRA DRIVE, MADISON, WI 53715
(608) 251-4843

I, HEATHER S. BARTELT PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN HEATHER S. BARTELT S-2797 MADISON WI LAND SURVEYOR

SIGNATURE: Heather Bartelt DATE: 10/16/17
PRINT NAME: HEATHER S. BARTELT
REGISTRATION NUMBER: S-2797

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION.
SIGNATURE: Cory Schlagel DATE: 10/16/17
PRINT NAME: CORY SCHLAGEL

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\RW\DWG\040101_RP.DWG
APPRAISAL PLAT DATE : 10/16/2017
PLOT DATE : 10/16/2017 9:20 AM PLOT BY : BARTELT, HEATHER PLOT NAME : PLOT SCALE : **********

TRANSPORTATION PROJECT PLAT NO: 5845-01-22 - 4.02

THAT PART LOT 7 OF CSM 14058 IN THE SOUTHEAST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 1, TOWNSHIP 5 NORTH, RANGE 10 EAST, AND THAT PART OF LOT 1 OF CSM 12150 IN THE SOUTHWEST 1/4 OF THE SOUTHWEST 1/4 OF SECTION 6, TOWNSHIP 5 NORTH, RANGE 11 EAST, ALL IN THE CITY OF STOUGHTON, DANE COUNTY, WISCONSIN.

RELOCATION ORDER USH 51 STOUGHTON - MADISON (SILVERADO DR/HOEL AVE INTERSECTION)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

PI STA = 23+48.01 A
Y = 425930.333
X = 857395.635
DELTA = 55°54'32" RT
D = 42°26'42"
T = 71.64'
L = 131.72'
R = 134.99'
PC STA = 22+76.37 A
PT STA = 24+08.09 A
BK = N78°39'04"W
AH = N22°44'32"W

PI STA = 27+05.86 A
Y = 426219.975
X = 857175.503
DELTA = 23°02'43" RT
D = 10°56'04"
T = 106.82'
L = 210.76'
R = 524.00'
PC STA = 25+99.04 A
PT STA = 28+09.80 A
BK = N48°25'15"W
AH = N25°22'32"W

PI STA = 29+43.52 A
Y = 426437.309
X = 857072.418
DELTA = 5°00'38" RT
D = 5°43'45"
T = 43.76'
L = 87.46'
R = 1000.09'
PC STA = 28+99.76 A
PT STA = 29+87.22 A
BK = N25°22'32"W
AH = N20°21'56"W

PI STA = 9+22.70 B3
Y = 425805.635
X = 856814.550
DELTA = 9°23'59" LT
D = 3°50'21"
T = 122.70'
L = 244.85'
R = 1492.45'
PC STA = 8+00.00 B3
PT STA = 10+44.85 B3
BK = S87°59'05"E
AH = N82°36'56"E

PI STA = 11+69.88 B3
Y = 425837.475
X = 857060.240
DELTA = 41°30'11" LT
D = 17°2144"
T = 125.04'
L = 239.04'
R = 330.00'
PC STA = 10+44.85 B3
PT STA = 12+83.89 B3
BK = N82°36'56"E
AH = N41°06'46"E

PI STA = 13+34.53 B3
Y = 425969.832
X = 857175.753
DELTA = 41°41'17" RT
D = 43°04'46"
T = 50.64'
L = 96.77'
R = 133.00'
PC STA = 12+83.89 B3
PT STA = 13+80.66 B3
BK = N41°06'46"E
AH = N82°48'02"E

POINT #	STATION	OFFSET
200	10+99.63 B3	142.10'
201	10+99.50 B3	142.05'
202	9+56.74 B3	107.11'
205	9+85.00 B3	108.83'
206	11+40.30 B3	76.25'
207	28+00.56 A	154.61'
210	28+18.73 A	88.36'
211	21+66.05 A	98.58'
212	20+56.51 A	68.29'
215	20+08.46 A	154.58'
216	20+59.53 A	162.66'
217	22+86.26 A	212.68'
TLE200	11+36.08 B3	101.96'
TLE201	11+62.47 B3	137.65'
TLE202	11+81.63 B3	131.31'
TLE203	25+63.71 A	82.28'
TLE204	25+62.98 A	90.24'
TLE205	24+48.69 A	120.69'
TLE206	24+46.11 A	113.12'

DETAIL 1

PLAT OF SURVEY
MAP NO. 6211
BY GEORGE WEIR

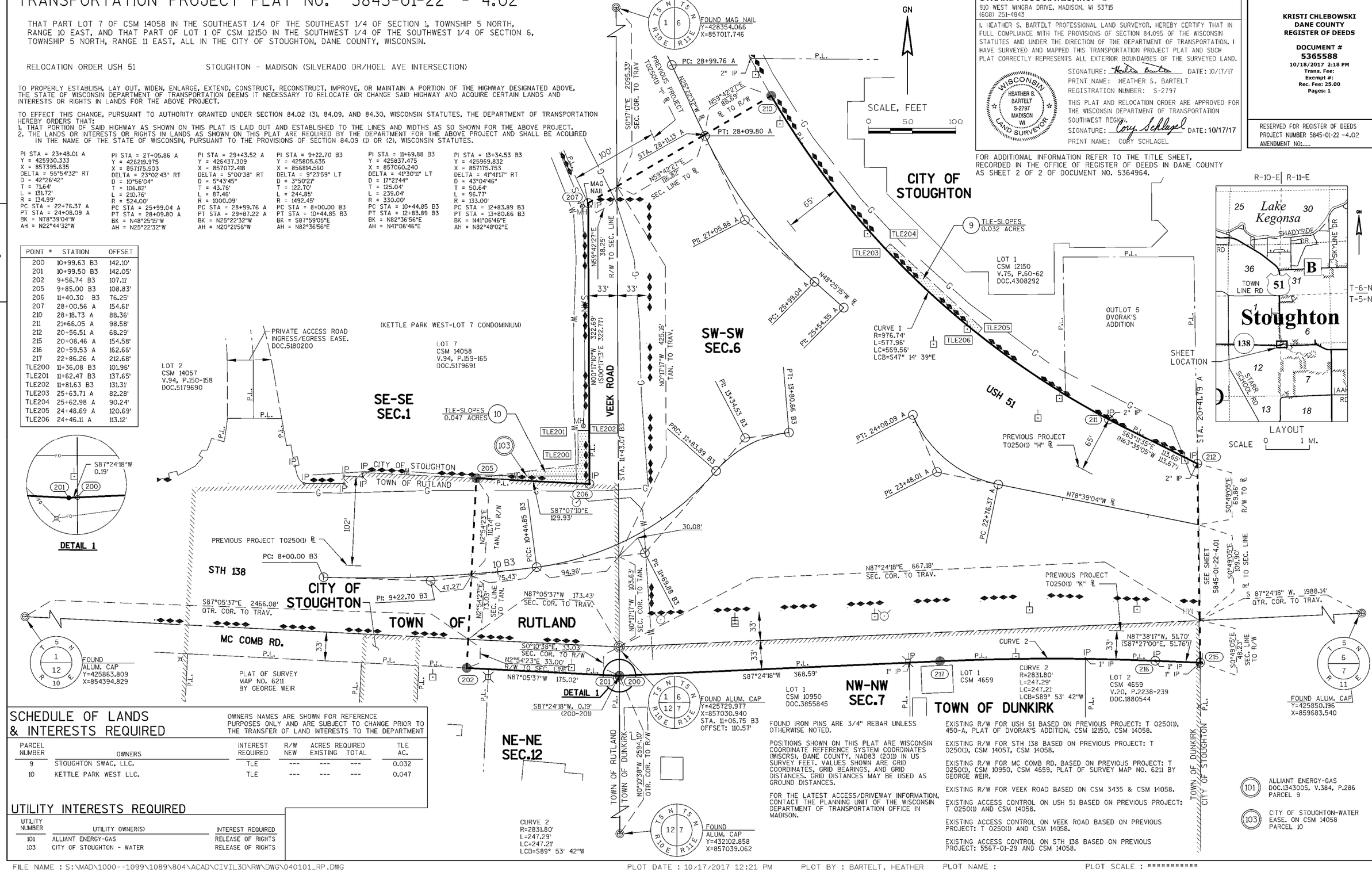
SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT

PARCEL NUMBER	OWNERS	INTEREST REQUIRED	R/W NEW	ACRES REQUIRED EXISTING	TOTAL	TLE AC.
9	STOUGHTON SWAC, LLC.	TLE	---	---	---	0.032
10	KETTLE PARK WEST LLC.	TLE	---	---	---	0.047

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
101	ALLIANT ENERGY-GAS	RELEASE OF RIGHTS
103	CITY OF STOUGHTON - WATER	RELEASE OF RIGHTS



FOUND IRON PINS ARE 3/4" REBAR UNLESS OTHERWISE NOTED.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), DANE COUNTY, NAD83 (2011) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

EXISTING R/W FOR USH 51 BASED ON PREVIOUS PROJECT: T 0250(1), 450-A, PLAT OF DVORAK'S ADDITION, CSM 12150, CSM 14058.

EXISTING R/W FOR STH 138 BASED ON PREVIOUS PROJECT: T 0250(1), CSM 14057, CSM 14058.

EXISTING R/W FOR MC COMB RD. BASED ON PREVIOUS PROJECT: T 0250(1), CSM 10950, CSM 4659, PLAT OF SURVEY MAP NO. 6211 BY GEORGE WEIR.

EXISTING R/W FOR VEEK ROAD BASED ON CSM 3435 & CSM 14058.

EXISTING ACCESS CONTROL ON USH 51 BASED ON PREVIOUS PROJECT: T 0250(1) AND CSM 14058.

EXISTING ACCESS CONTROL ON VEEK ROAD BASED ON PREVIOUS PROJECT: T 0250(1) AND CSM 14058.

EXISTING ACCESS CONTROL ON STH 138 BASED ON PREVIOUS PROJECT: 5567-01-29 AND CSM 14058.

STRAND ASSOCIATES, INC. ®
910 WEST WINGRA DRIVE, MADISON, WI 53715
(608) 251-4843

I, HEATHER S. BARTELT PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION. I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN HEATHER S. BARTELT S-2797 MADISON WI LAND SURVEYOR

SIGNATURE: Heather Bartelt DATE: 10/17/17
PRINT NAME: HEATHER S. BARTELT
REGISTRATION NUMBER: S-2797

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION.
SIGNATURE: Cory Schlagel DATE: 10/17/17
PRINT NAME: CORY SCHLAGEL

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF REGISTER OF DEEDS IN DANE COUNTY AS SHEET 2 OF 2 OF DOCUMENT NO. 5364964.

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5365588
10/18/2017 2:18 PM
Trans. Fee:
Exempt #:
Rec. Fee: 25.00
Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 5845-01-22 -4.02
AMENDMENT NO:---

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\RW\DWG\040101_RP.DWG PLOT DATE : 10/17/2017 12:21 PM PLOT BY : BARTELT, HEATHER PLOT NAME : PLOT SCALE : **********
APPRAISAL PLAT DATE : 10/17/17

BEGIN CONSTRUCTION
STA. 10+00.00 A3

CONSTRUCT CE
10+19.08 A3 LT

END CONSTRUCTION
STA. 11+47.51 M

BEGIN CONSTRUCTION
STA. 10+00.00 V

BEGIN PROJECT
STA. 10+00.00 A
X=858720.94
Y=425822.09

BEGIN CONSTRUCTION
STA. 10+00.00 A7

END CONSTRUCTION
STA. 12+64.64 H

BEGIN CONSTRUCTION
STA. 8+30.33 B3

END PROJECT
STA. 29+87.22 A

END CONSTRUCTION
STA. 35+51.64 B

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
BM 1	29+29 A, 143' LT	TOP NUT HYDRANT	921.72
BM 2	26+20 A, 372' LT	TOP NUT HYDRANT	922.69
BM 3	23+80 A, 369' LT	TOP NUT HYDRANT	911.69
BM 4	23+18 A, 189' LT	TOP NUT HYDRANT	904.79
BM 5	20+14 A, 106' LT	TOP NUT HYDRANT	905.87
BM 6	17+83 A, 130' LT	TOP NUT HYDRANT	907.42
BM 7	13+76 A, 229' LT	TOP NUT HYDRANT	911.21
BM 9	14+71 A, 187' RT	TOP NUT HYDRANT	905.83
BM 10	16+35 B, 471' RT	TOP NUT HYDRANT	900.19
BM 11	8+49 A, 52' RT	SET RR SPIKE	918.08

PROFILE A

PROFILE FOR INFORMATION ONLY
SEE ROUNDABOUT DETAILS AND PROFILES
FOR ELEVATIONS THROUGH ROUNDABOUT

VCL = 165.00
K = 127.42

VCL = 150.00
K = 58.54

VCL = 120.00
K = 93.86

VCL = 120.00
K = 75.92

EXISTING GROUND

PROPOSED A PROFILE

BEGIN PROJECT
STA. 10+00.00 A

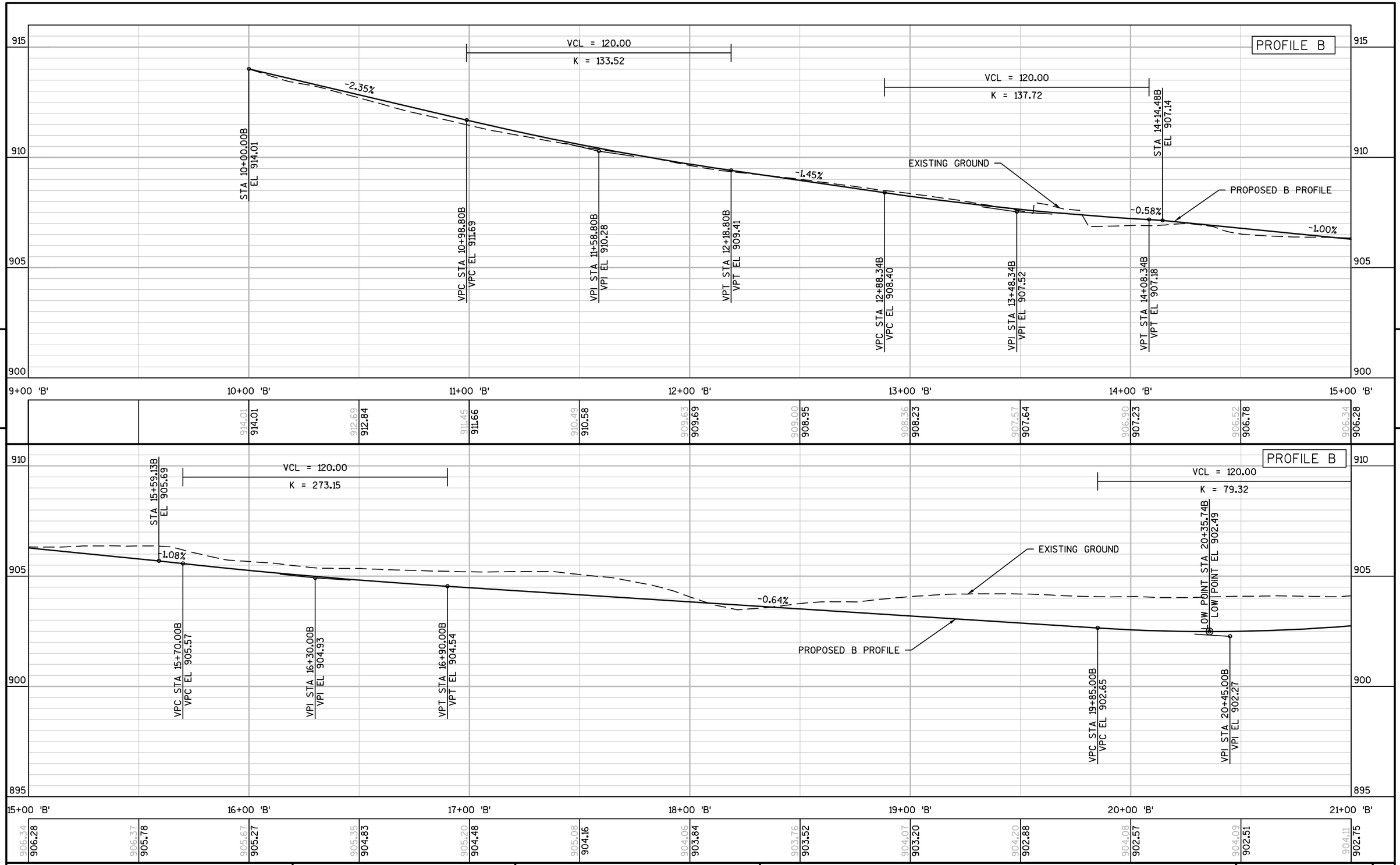
END PROJECT
STA. 29+87.22 A

-2.20% -0.91% -0.98% 1.28% 1.28% 0.82% 1.60% 2.88% 1.30%

STA 10+00.00A EL 914.01
VPC STA 12+17.19A VPC EL 909.23
VPI STA 12+99.69A VPI EL 907.42
VPT STA 13+82.19A VPT EL 906.67
STA 14+05.41A EL 906.46
STA 15+48.52A EL 905.06
VPC STA 18+98.94A VPC EL 900.57
VPI STA 19+73.94A VPI EL 899.61
LOW POINT STA 19+73.95A LOW POINT EL 900.09
VPT STA 20+48.94A VPT EL 900.57
STA 24+08.01A EL 905.17
STA 25+54.35A EL 906.37
VPC STA 27+05.00A VPC EL 908.78
VPI STA 27+65.00A VPI EL 909.74
VPT STA 28+25.00A VPT EL 911.47
VPC STA 28+60.00A VPC EL 912.48
VPI STA 29+20.00A VPI EL 914.20
VPT STA 29+80.00A VPT EL 914.98
STA 29+87.22A EL 915.08

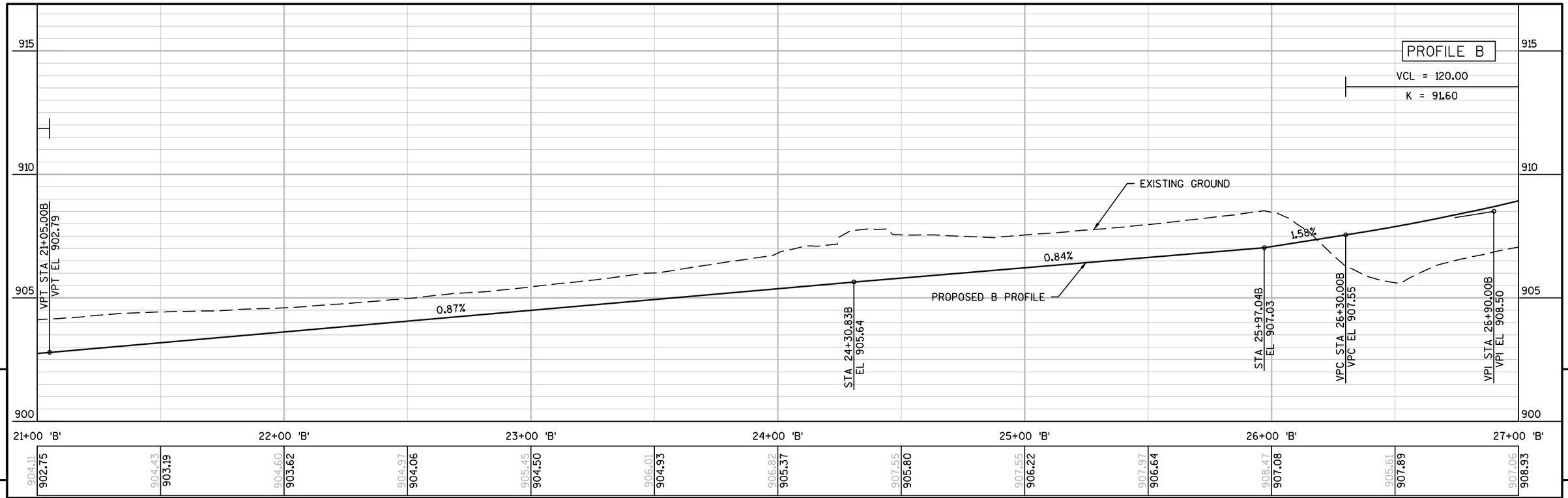
6 'A'	7 'A'	8 'A'	9 'A'	10 'A'	11 'A'	12 'A'	13 'A'	14 'A'	15 'A'	16 'A'	17 'A'	18 'A'	19 'A'	20 'A'	21 'A'	22 'A'	23 'A'	24 'A'	25 'A'	26 'A'	27 'A'	28 'A'	29 'A'	30 'A'	31 'A'	32 'A'	33 'A'	34 'A'	35 'A'	36 'A'
922.64	921.10	919.81	918.22	916.93	915.54	914.01	912.68	912.91	911.48	911.81	910.55	910.71	909.82	909.61	909.10	908.55	908.41	907.68	907.94	907.00	907.29	906.51	906.36	906.02	904.71	905.53	903.53	905.04	904.39	904.40	904.90	903.76	904.90	903.12	904.83	902.48	904.73	901.84	904.49	901.20	904.32	900.56	904.05	900.14	903.82	900.15	903.70	903.79	905.42	904.43	905.20	905.07	903.03	905.51	904.73	905.92	905.75	906.33	906.83	907.10	907.73	907.90	908.79	908.70	910.20	909.61	911.45	910.78	912.46	912.19	913.31	913.52	914.65	914.54

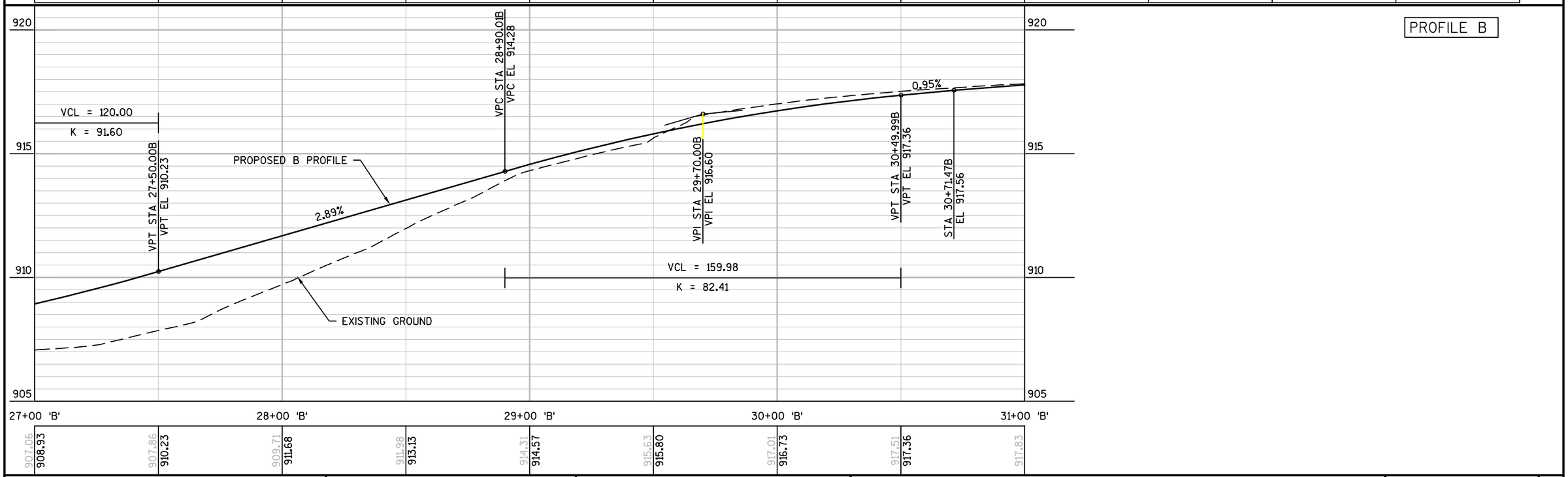
PROJECT NO: 5845-01-76 | HWY: USH 51 | COUNTY: DANE | PLAN AND PROFILE: USH 51 | SHEET E



PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	PROFILE: USH 51	SHEET	E

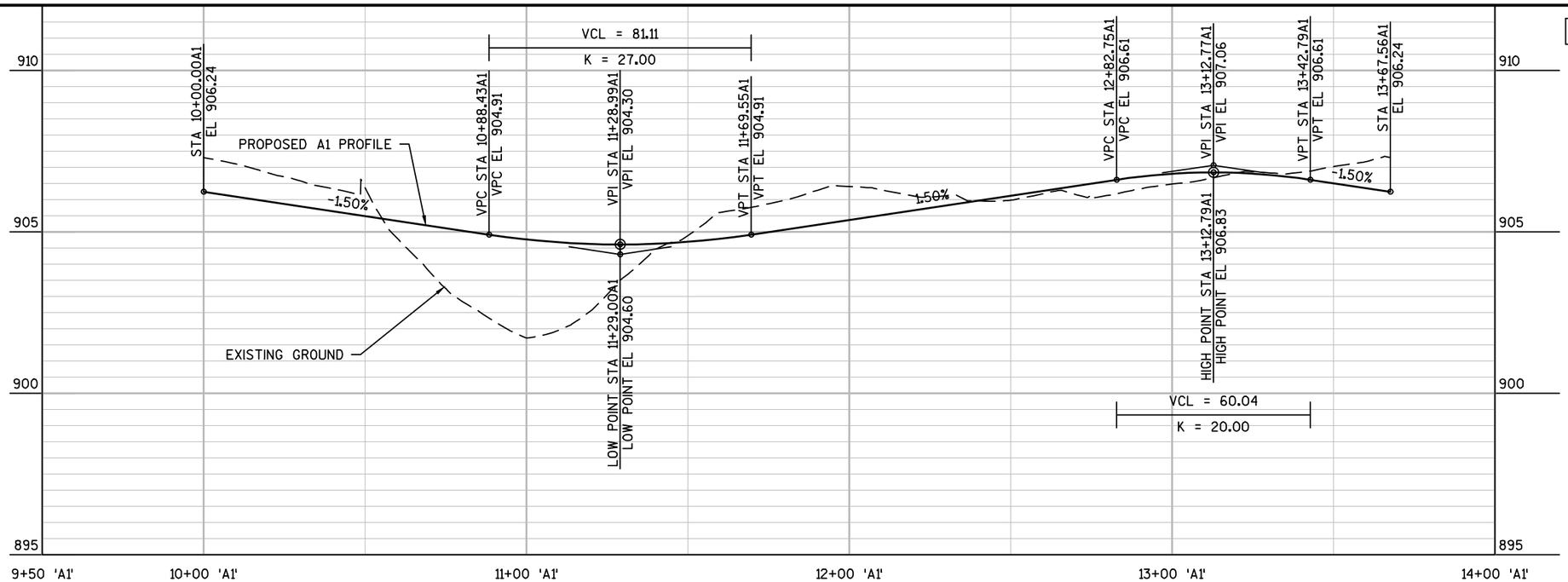
FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\050101_PP.DWG
LAYOUT NAME - 050102
PLOT DATE : 8/31/2020 4:12 PM PLOT BY : SCHAUB, ALEX PLOT NAME : PLOT SCALE : **********



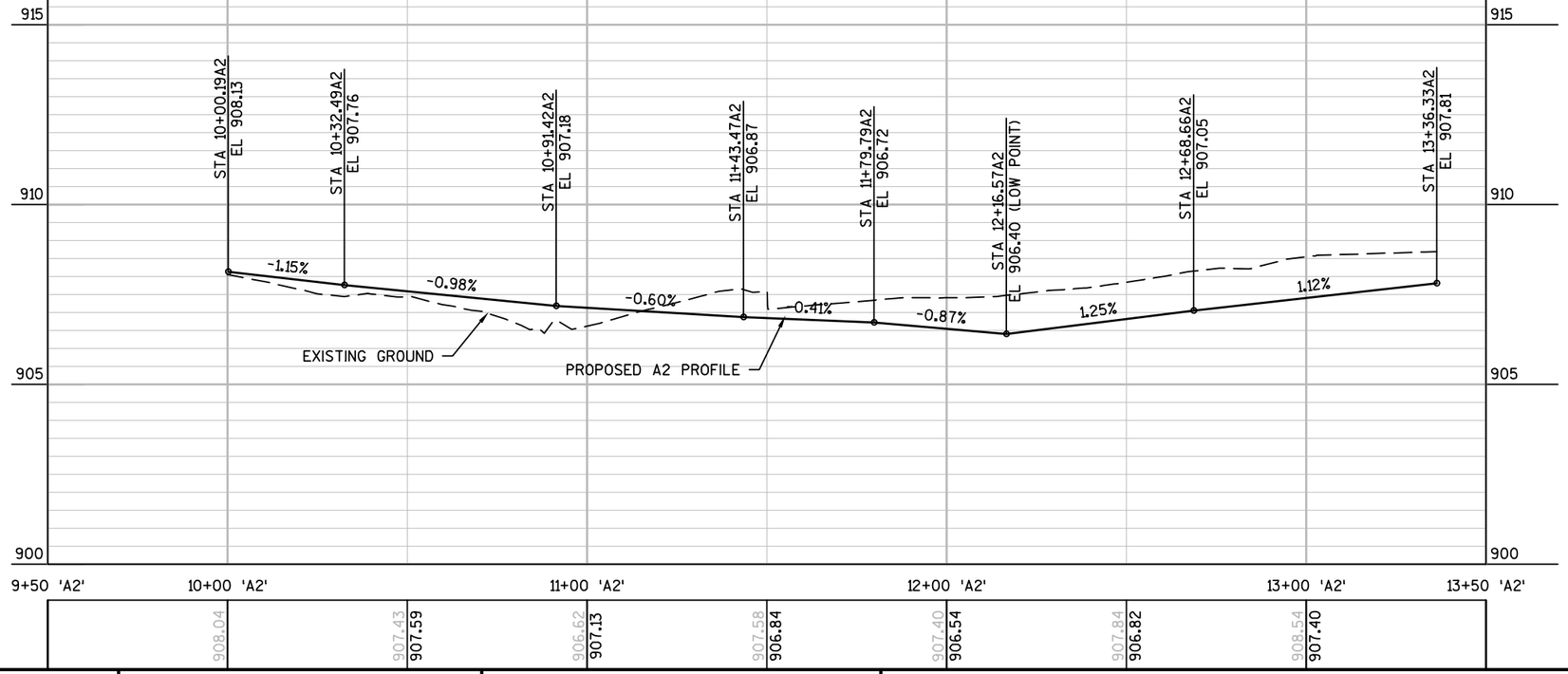


PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	PROFILE: USH 51	SHEET	E

PROFILE A1

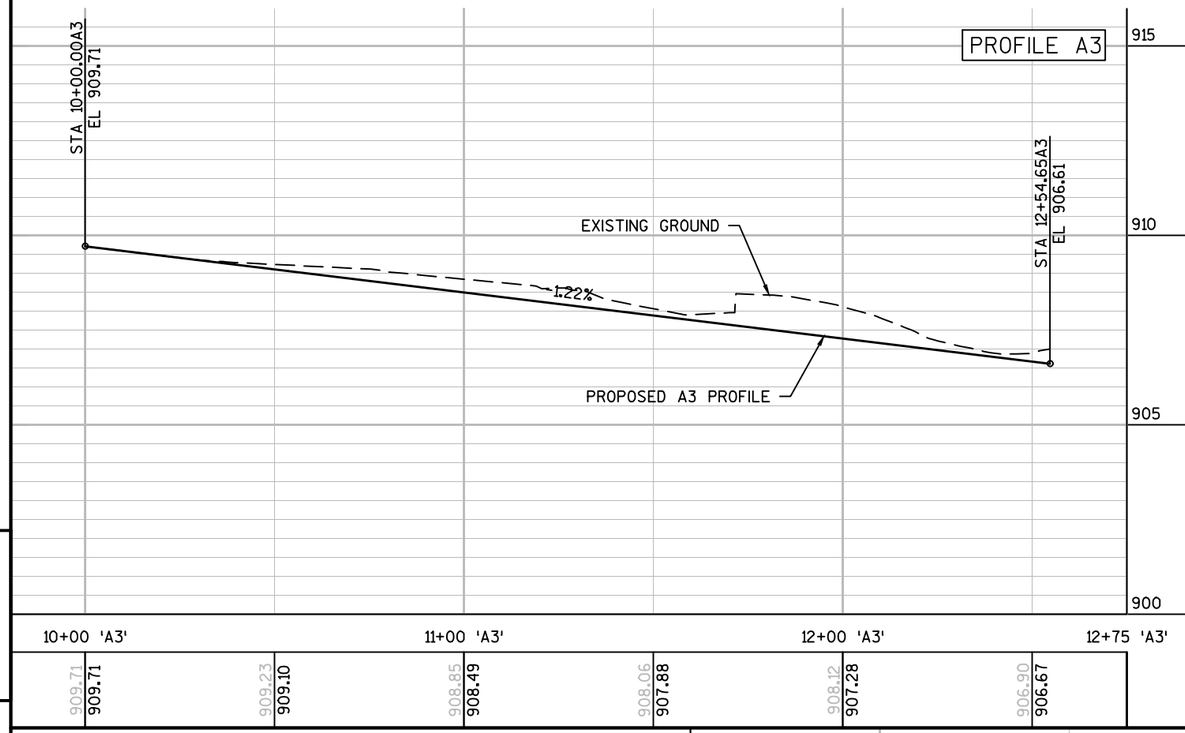


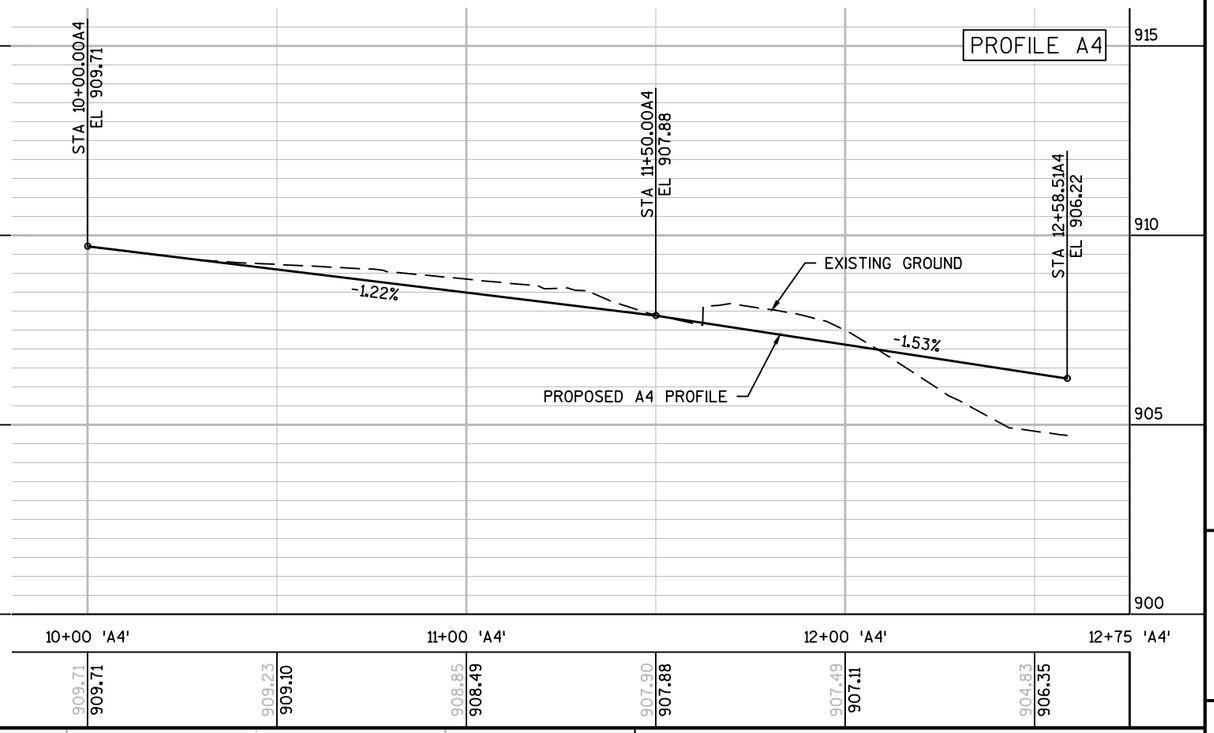
PROFILE A2

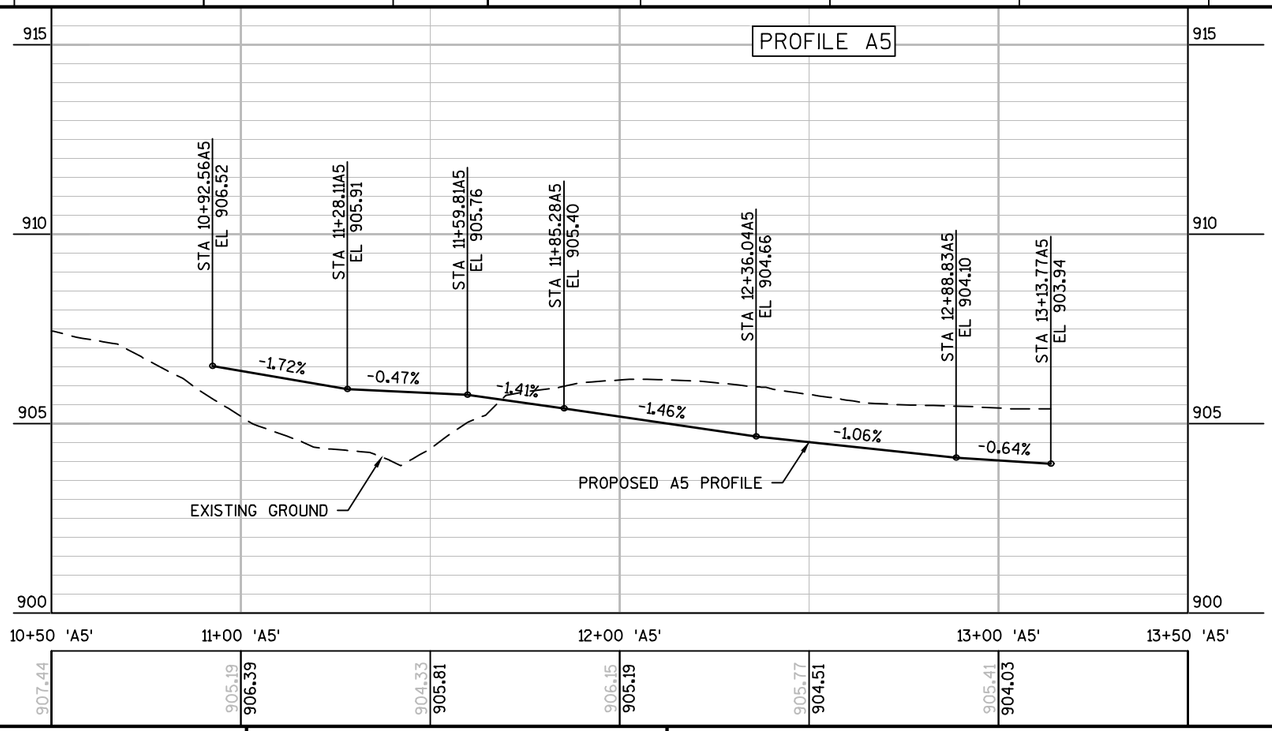


PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	PROFILE: HOEL AVE/SILVERADO DR ROUNDABOUT	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\050101_PP.DWG
LAYOUT NAME - 050104
PLOT DATE : 8/31/2020 4:12 PM PLOT BY : SCHAUB, ALEX PLOT NAME : PLOT SCALE : **********

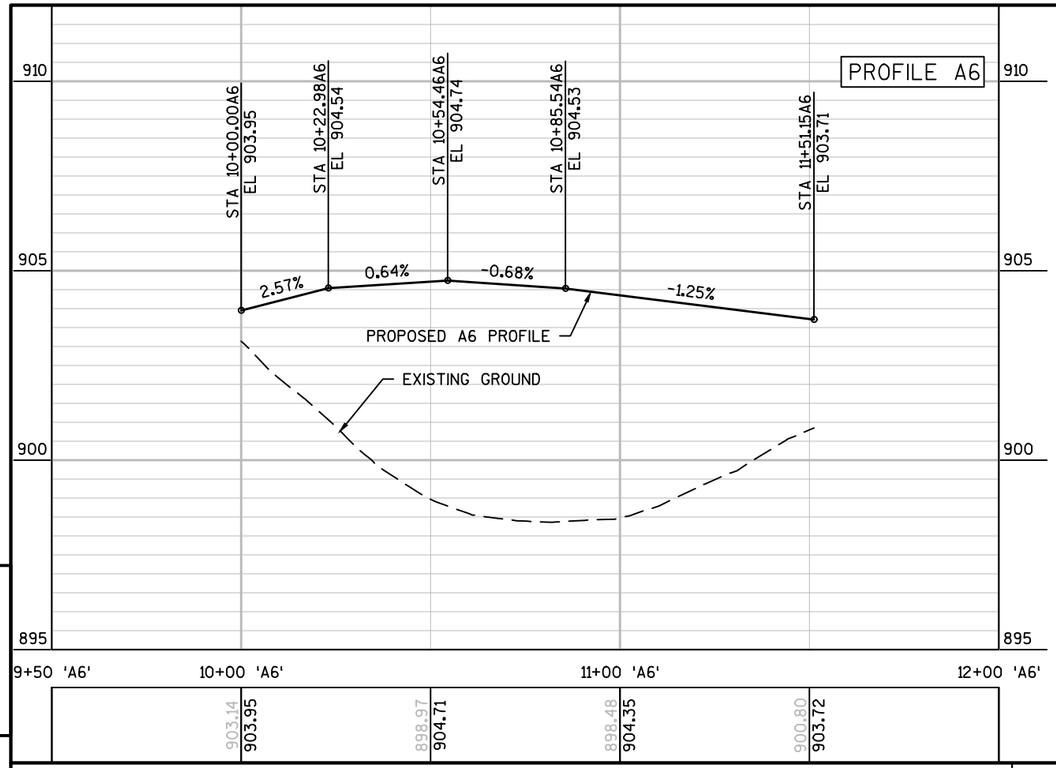


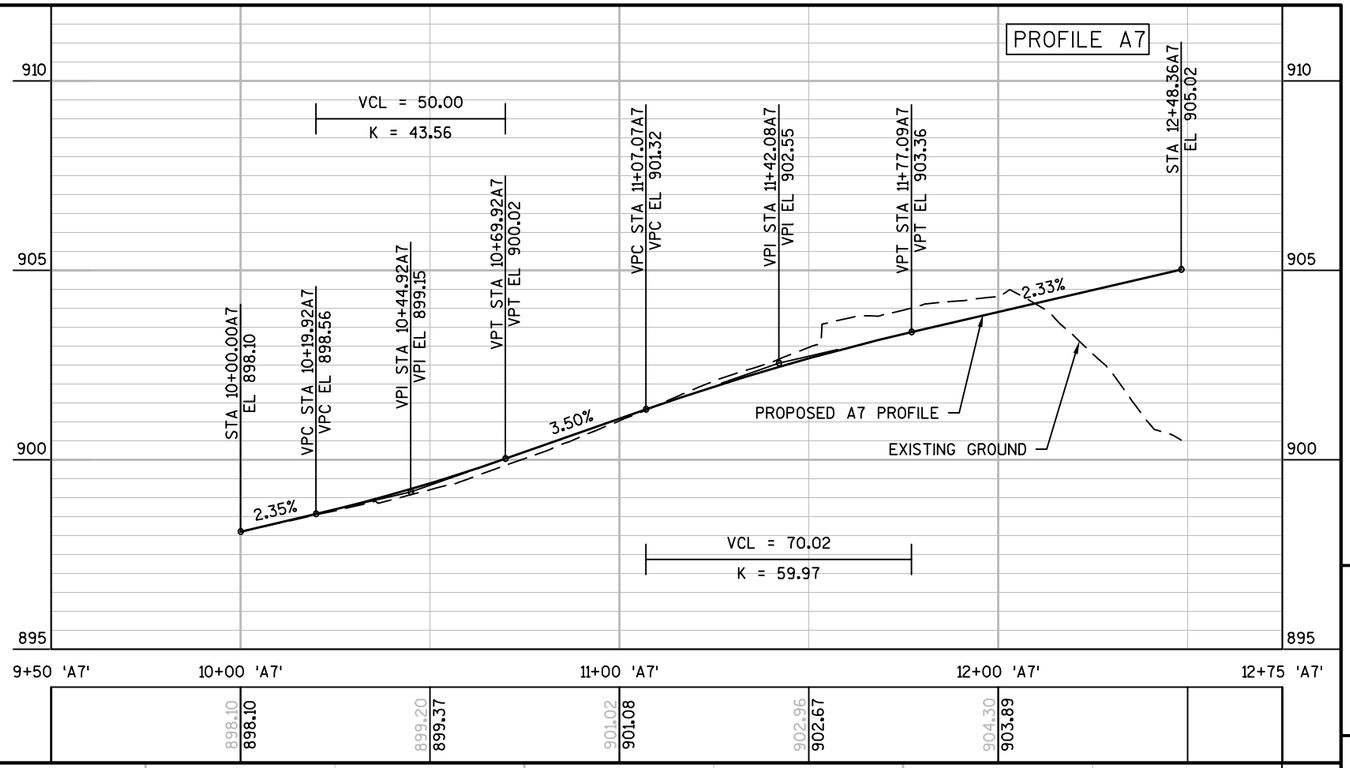


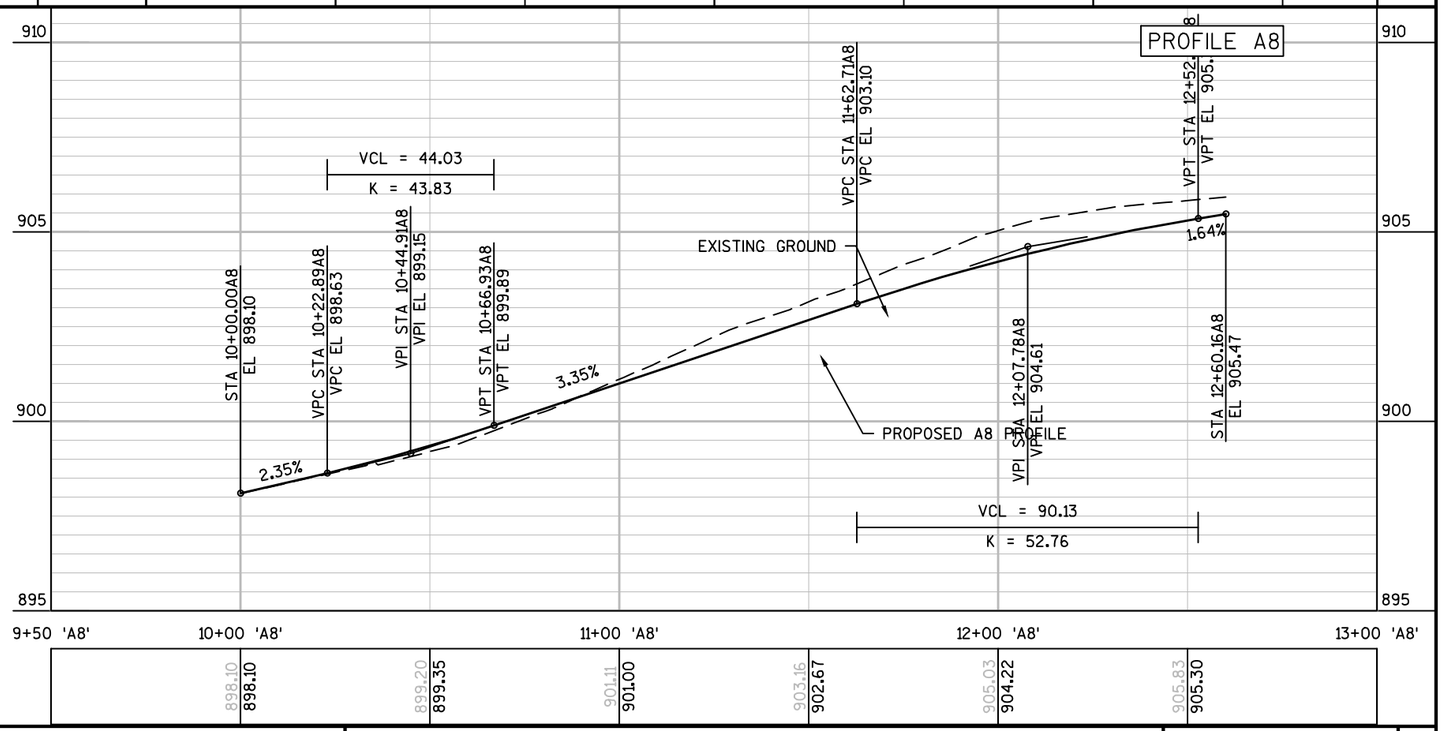


PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	PROFILE: HOEL AVE/SILVERADO DR ROUNDABOUT	SHEET	E

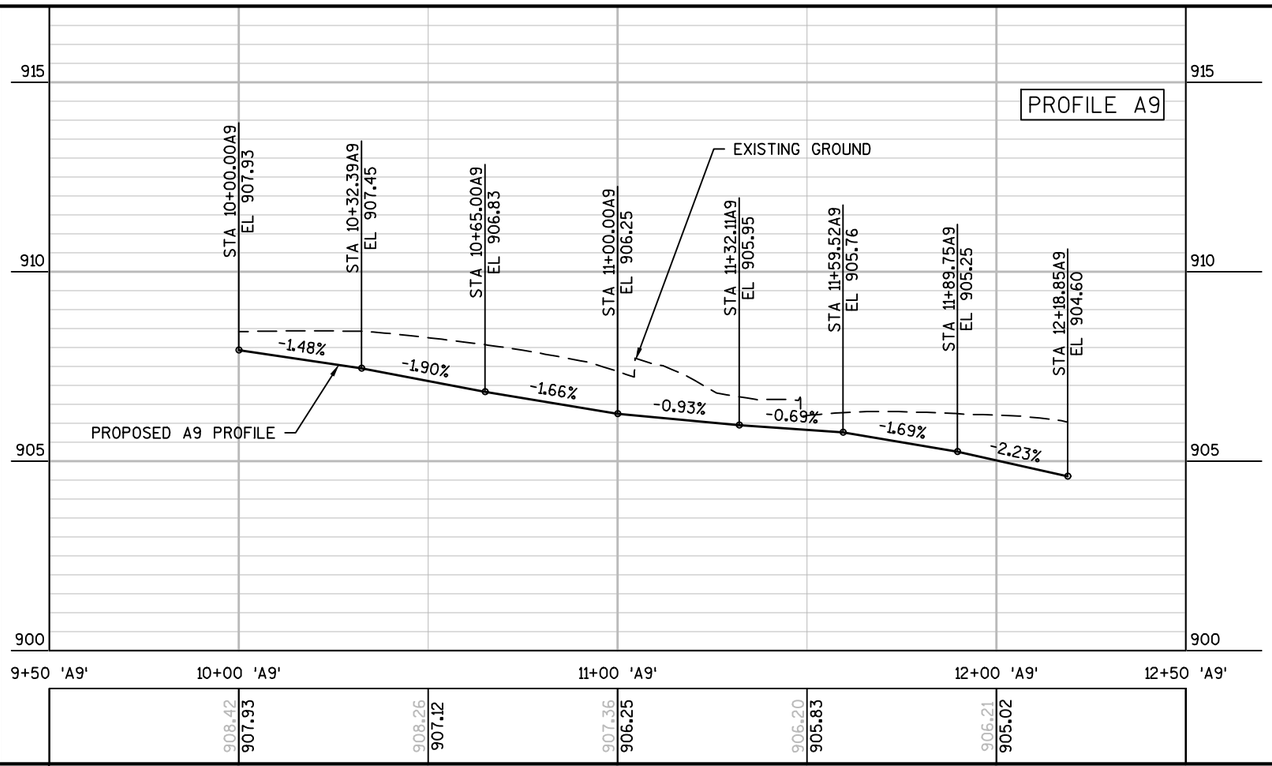
FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\050101_PP.DWG
LAYOUT NAME - 050105
PLOT DATE : 8/31/2020 4:12 PM PLOT BY : SCHAUB, ALEX PLOT NAME : PLOT SCALE : **********

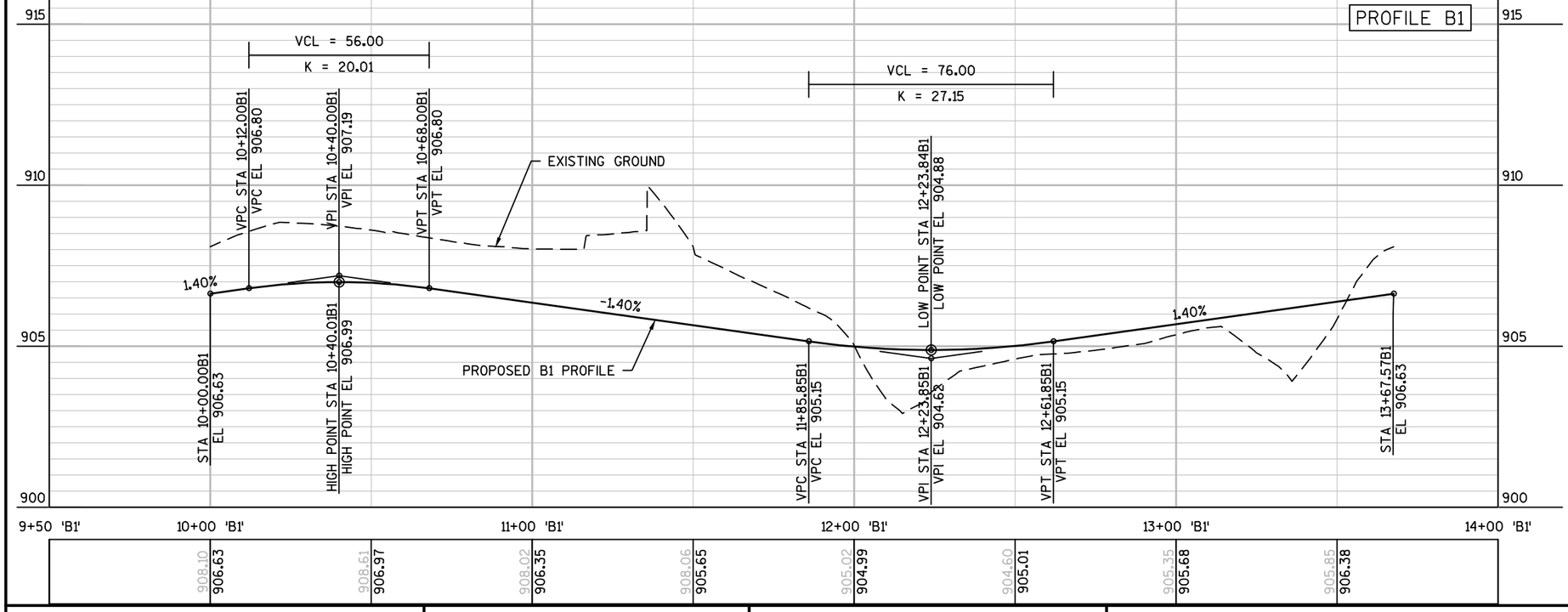






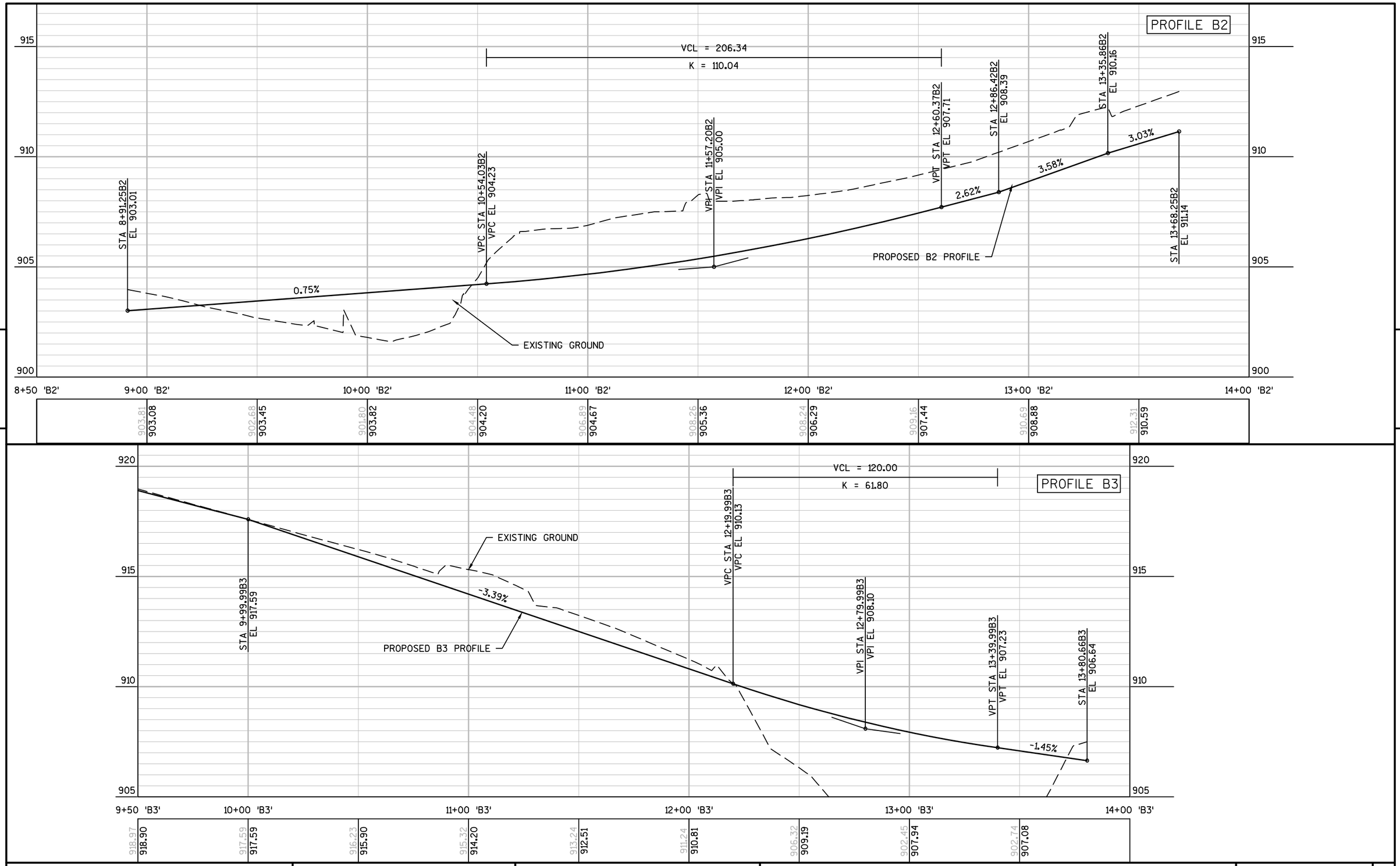
PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	PROFILE: HOEL AVE/SILVERADO DR ROUNDABOUT	SHEET	E





PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	PROFILE: HOEL/SILVERADO AND STH 138 ROUNDABOUT	SHEET	E

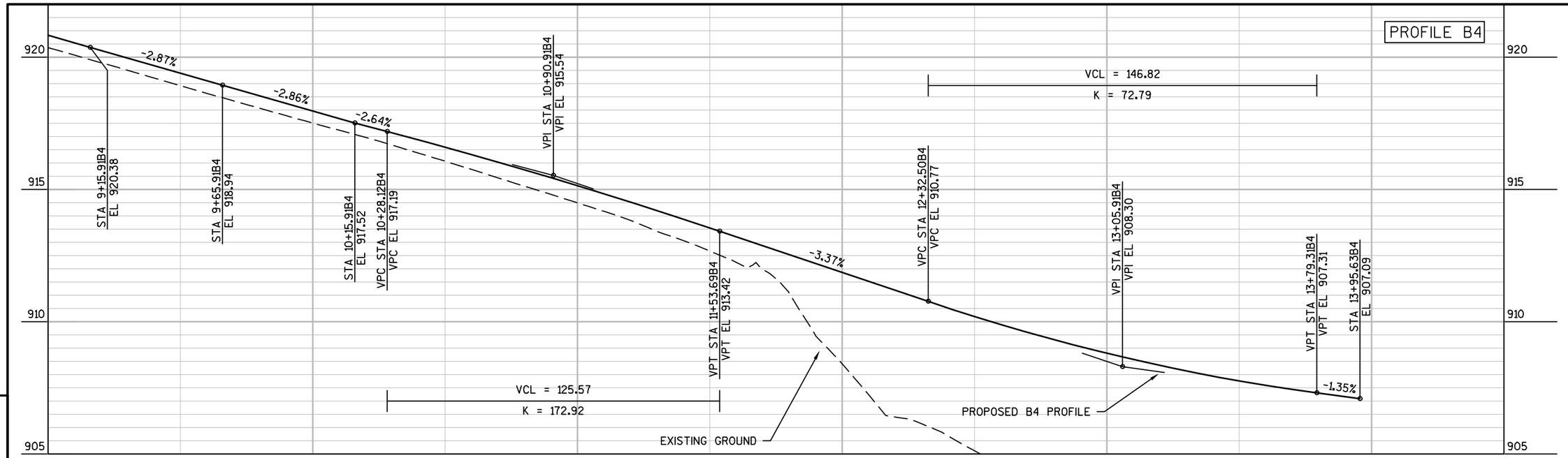
FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\050101_PP.DWG
LAYOUT NAME - 050107
PLOT DATE : 8/31/2020 4:13 PM PLOT BY : SCHAUB, ALEX PLOT NAME : PLOT SCALE : **********



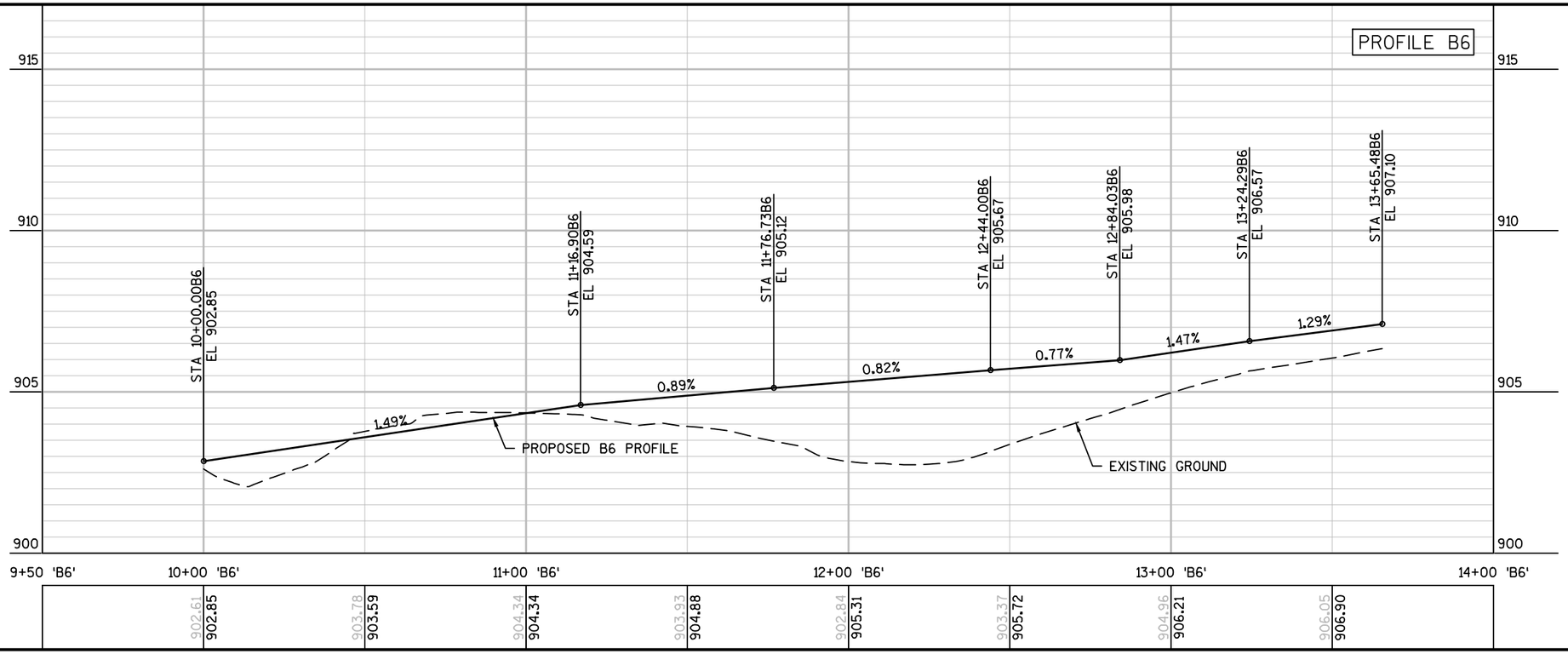
PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	PROFILE: STH 138 ROUNDABOUT	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\050101_PP.DWG
LAYOUT NAME - 050108
PLOT DATE : 8/31/2020 4:13 PM PLOT BY : SCHAUB, ALEX PLOT NAME : PLOT SCALE : **********

PROFILE B4


920
915
910
905
-2.87%
-2.86%
-2.64%
-3.37%
-1.35%
STA 9+15.91B4
EL 920.38
STA 9+65.91B4
EL 918.94
STA 10+15.91B4
EL 917.52
VPC STA 10+28.12B4
VPC EL 917.19
VPI STA 10+90.91B4
VPI EL 915.54
VPT STA 11+53.69B4
VPT EL 913.42
VCL = 125.57
K = 172.92
VPC STA 12+32.50B4
VPC EL 910.77
VCL = 146.82
K = 72.79
VPI STA 13+05.91B4
VPI EL 908.30
VPT STA 13+79.31B4
VPT EL 907.31
STA 13+95.63B4
EL 907.09
EXISTING GROUND
PROPOSED B4 PROFILE
9+00 'B4'
10+00 'B4'
11+00 'B4'
12+00 'B4'
13+00 'B4'
14+00 'B4'
14+50 'B4'

| | | |

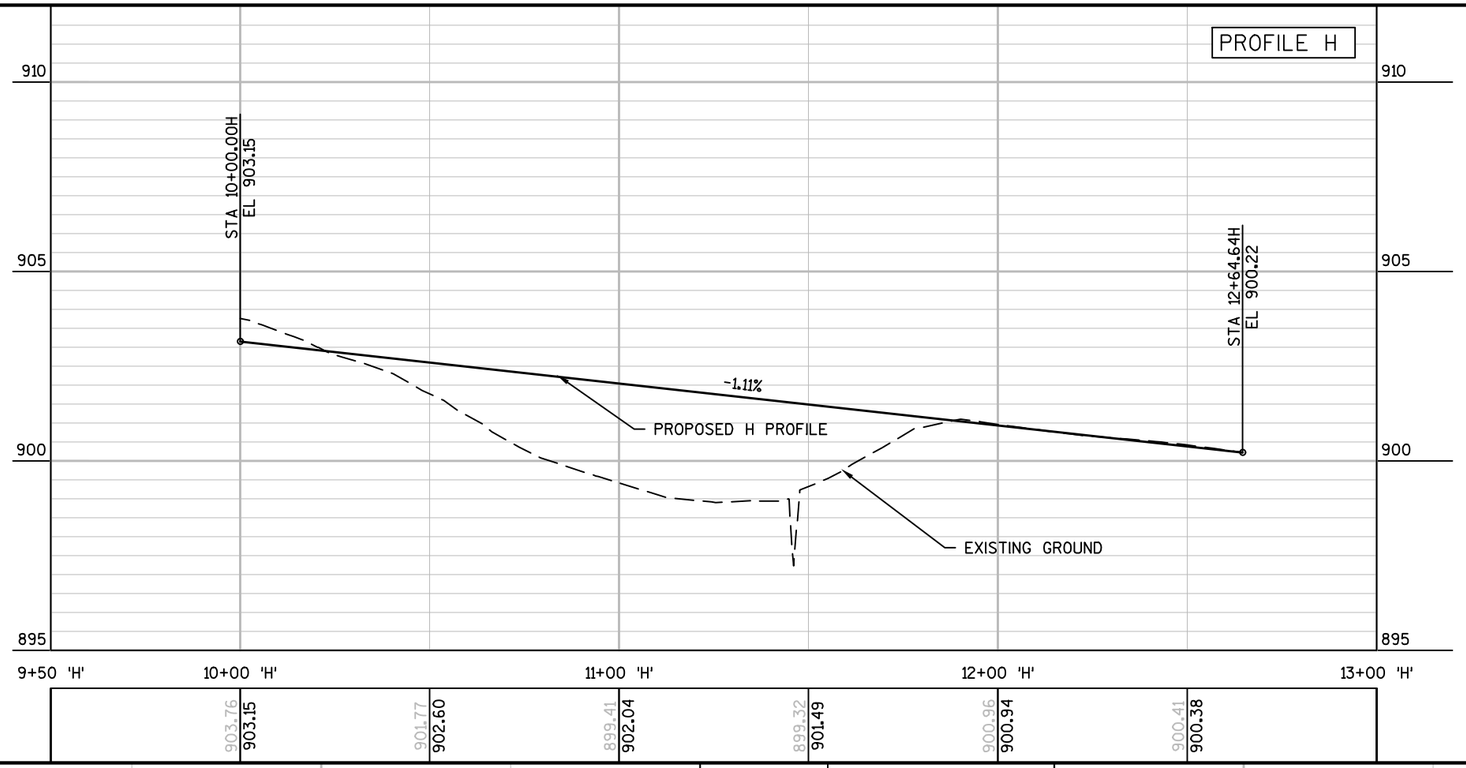


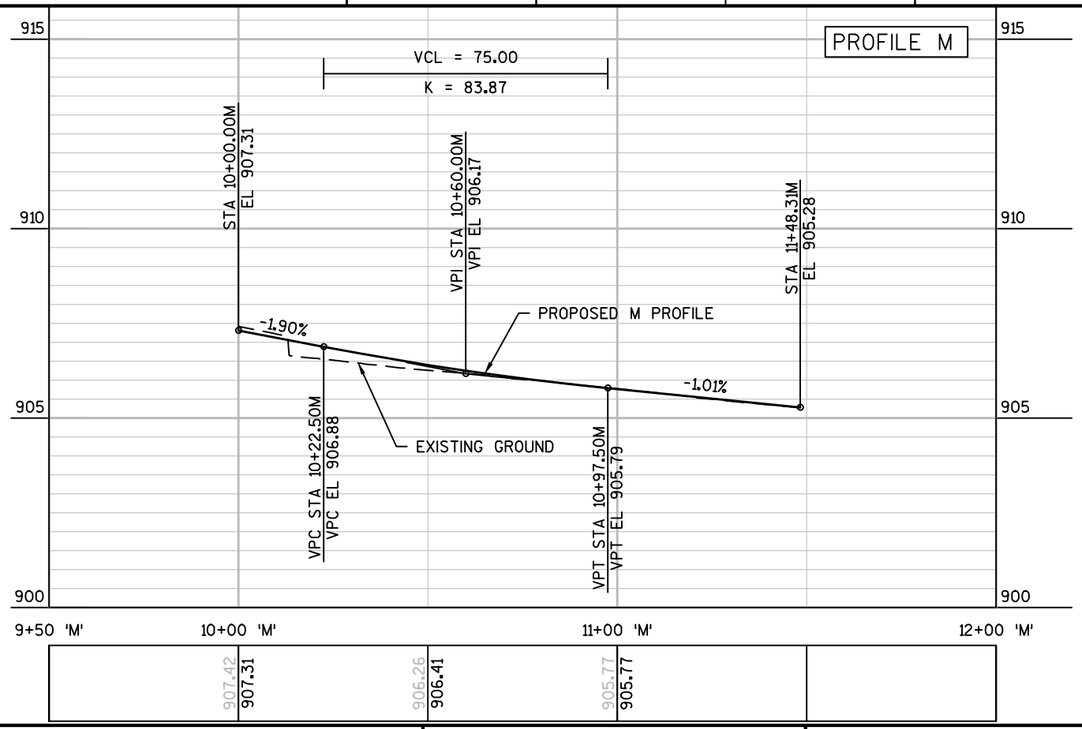
5

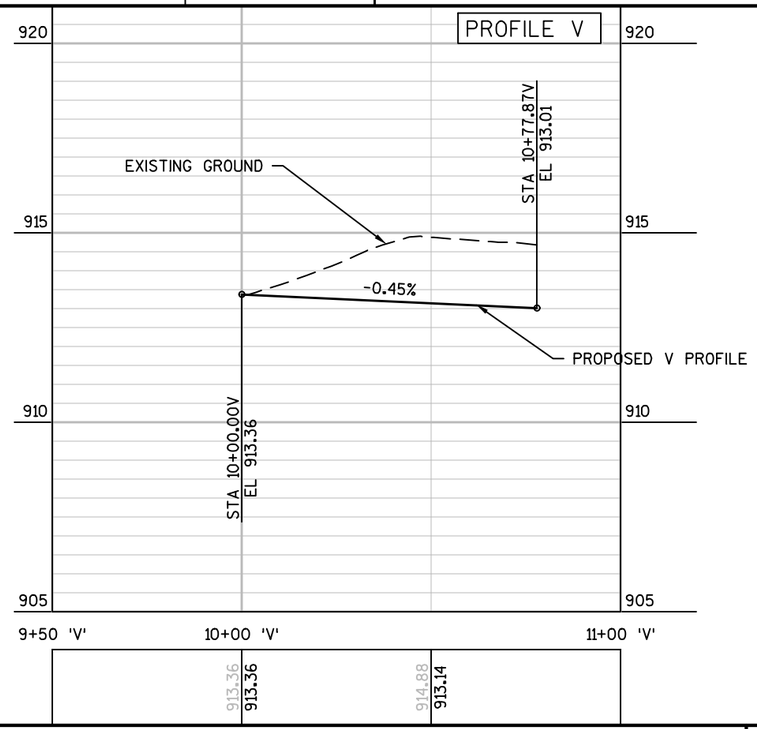
5

PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	PROFILE: STH 138 ROUNDABOUT	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\050101_PP.DWG
LAYOUT NAME - 050110
PLOT DATE : 8/31/2020 4:13 PM PLOT BY : SCHAUB, ALEX PLOT NAME : PLOT SCALE : **********

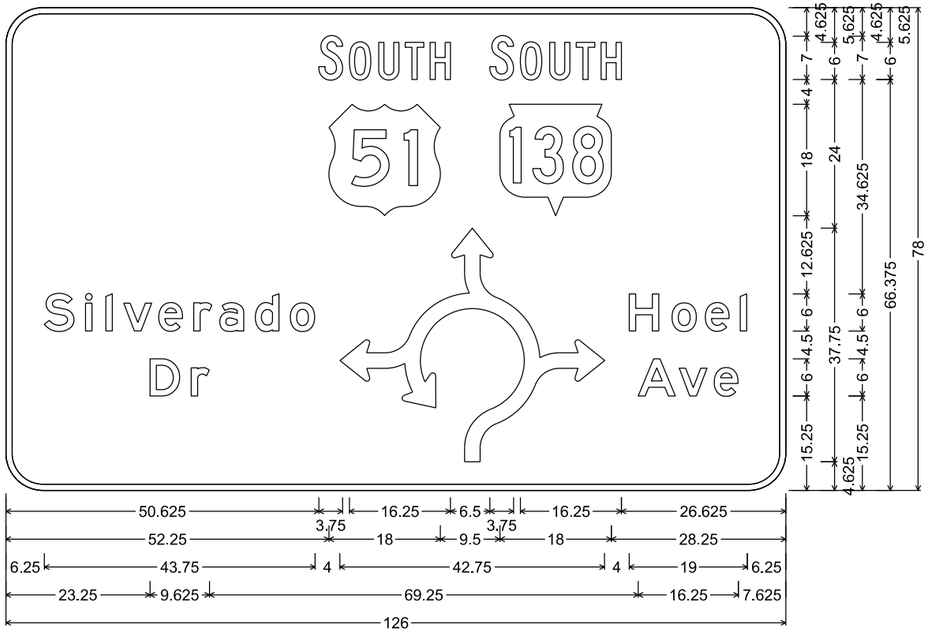




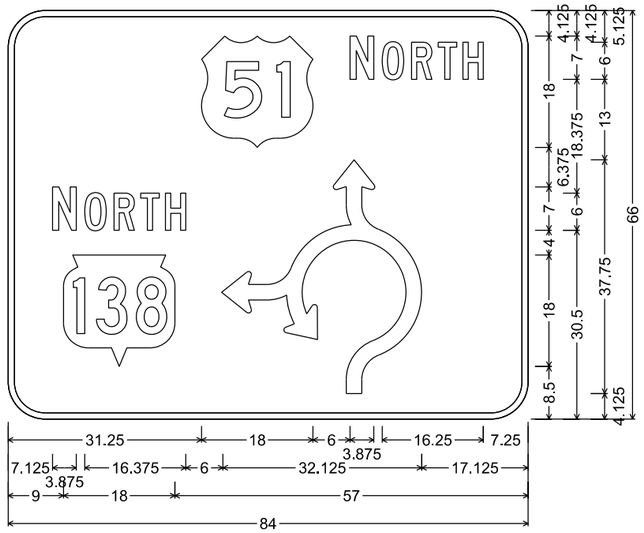


PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	PROFILE: HOIBY, McCOMB, AND VEEK	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\050101_PP.DWG
LAYOUT NAME - 050111
PLOT DATE : 8/31/2020 4:13 PM
PLOT BY : SCHAUB, ALEX
PLOT NAME :
PLOT SCALE : **********



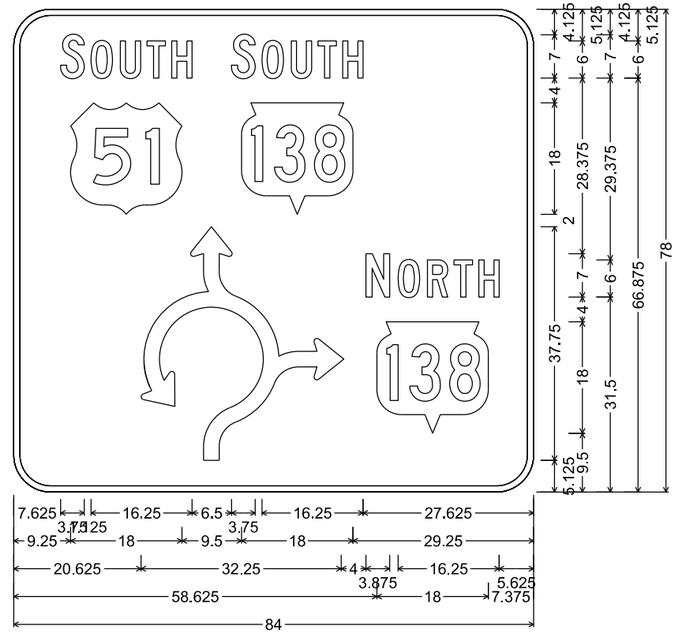
D1-62; 6.000" Radius, 1.000" Border,
"SOUTH", C; "SOUTH", C; "Silverado", E; "Dr", E; "Hoel", E; "Ave", E



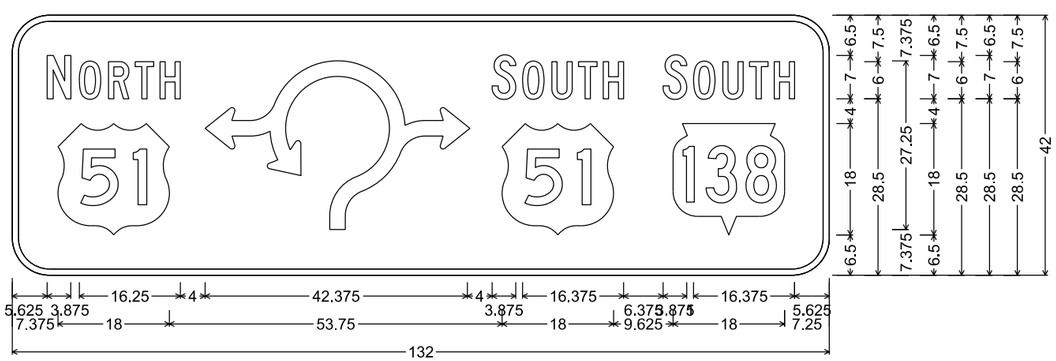
D1-62; 6.000" Radius, 1.000" Border,
"NORTH", C; "NORTH", C

NOTES

1. All Signs Type II - Type H Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - As noted

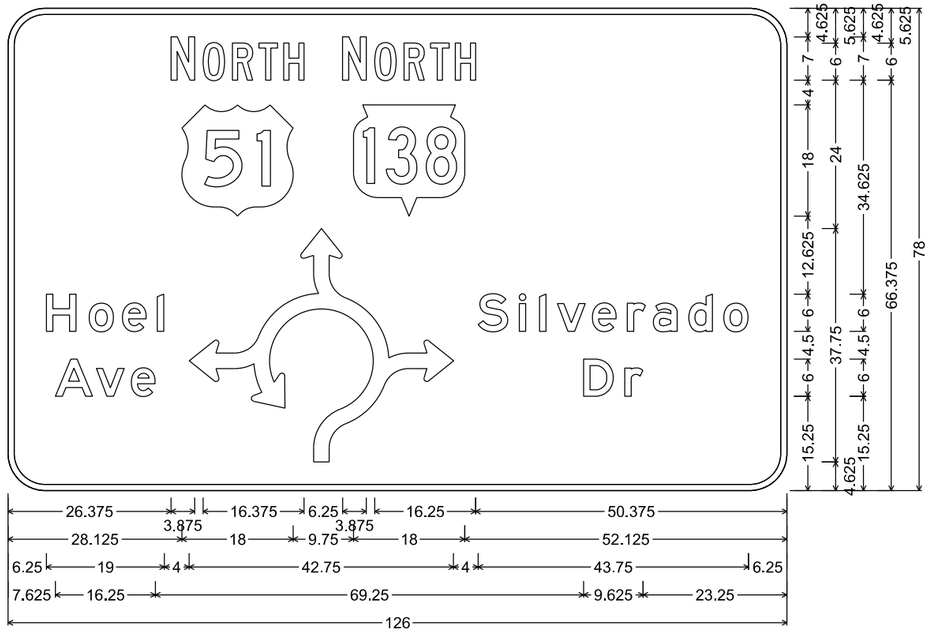


D1-62; 6.000" Radius, 1.000" Border,
"SOUTH", C; "SOUTH", C; "NORTH", C


NORTH
51
SOUTH
SOUTH
51
138
5.625
3.875
16.25
4
42.375
4
16.375
3.875
6.375
3.875
16.375
5.625
7.375
18
53.75
18
9.625
18
7.25
132
6.5
7
6.5
7
7.375
6.5
7
6.5
7
6.5
7
6.5
7
7.375
6.5
7
6.5
7
6.5
7
6.5
7

NOTES

1. All Signs Type II - Type H Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - As noted

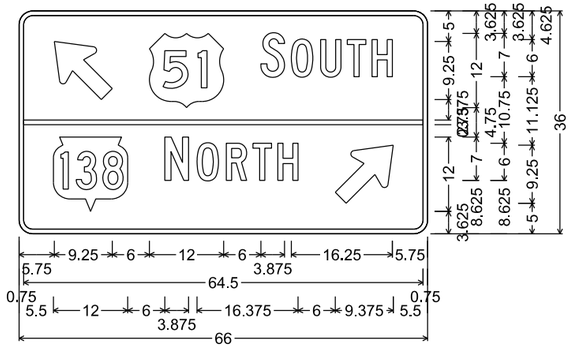


D1-62; 6.000" Radius, 1.000" Border

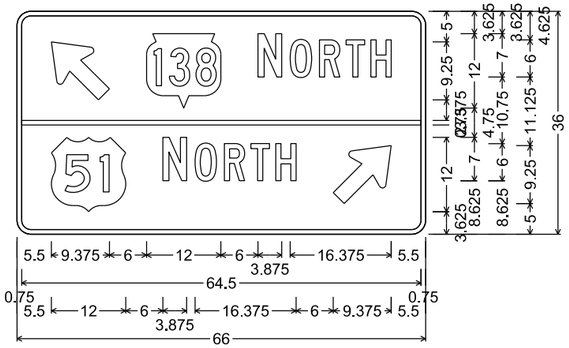
PROJECT NO:5845-01-76	HWY:USH 51	COUNTY:DANE	PERMANENT SIGNING	SHEET NO:	E

NOTES

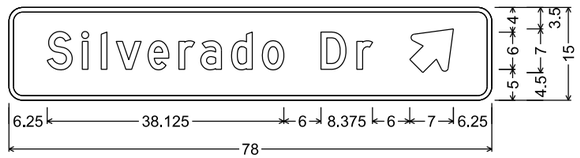
1. All Signs Type II - Type H Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - As noted



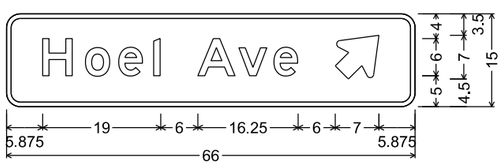
D1-2; 2.250" Radius, 0.750" Border,
"SOUTH", C; "NORTH", C



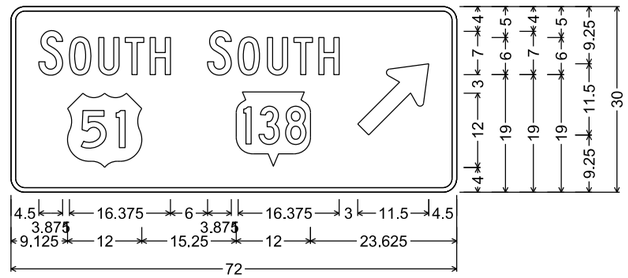
D1-2; 2.250" Radius, 0.750" Border,
"NORTH", C; "NORTH", C



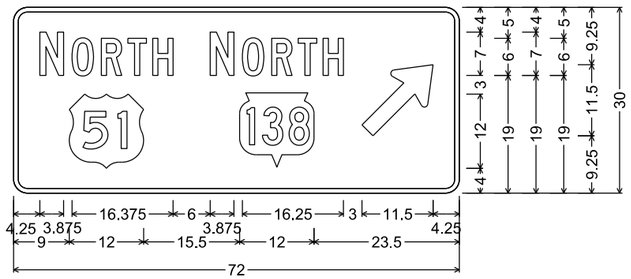
D1-1; 2.250" Radius, 0.750" Border,
"Silverado", D; "Dr", D



D1-1; 2.250" Radius, 0.750" Border,
"Hoel", E; "Ave", E



D1-1; 2.250" Radius, 0.750" Border,
"SOUTH", C; "SOUTH", C



D1-1; 2.250" Radius, 0.750" Border,
"NORTH", C; "NORTH", C

7

7

PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	PERMANENT SIGNING	SHEET NO:	E

DESIGN DATA

CONTRACTOR DESIGNED OVERHEAD SIGN STRUCTURES SHALL BE DESIGNED ACCORDING TO THE AASHTO "LRFD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS", 1ST EDITION AND INTERIM SPECIFICATIONS, AND THE WISDOT BRIDGE MANUAL.

STANDARD FOUNDATIONS DESIGNED ACCORDING TO THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 8TH EDITION.

DEAD LOAD: WT. OF SIGN AND SUPPORTING STRUCTURE.
ICE LOAD: 3 PSF TO ONE FACE OF SIGN & SURFACE OF MEMBERS.
WIND PRESSURE: 115 MPH (3-SEC. GUST SPEED) TO SIGN AREA & EXPOSED MEMBERS. (700 YEAR MEAN RECURRENCE INTERVAL)

WIND COMPONENTS	NORMAL	TRANSVERSE
LOAD CASE 1:	1.00	0.00
LOAD CASE 2:	0.0	1.00
LOAD CASE 3:	0.75	0.75

LOAD COMBINATIONS	
STRENGTH I:	1.25 DC + 1.6 LL
EXTREME I (MAX DC):	1.1 DC + 1.0 W +1.0 ICE
EXTREME I (MIN DC):	0.9 DC + 1.0 W
SERVICE I:	1.0 DC + 1.0 W
FATIGUE I:	1.0 NWG (NATURAL WIND GUST VIBRATION)
	1.0 TRG (TRUCK INDUCED GUST VIBRATION)
	1.0 GVW (GALLOPING - CANTILEVER ONLY)

MATERIAL PROPERTIES

CONCRETE MASONRY _____ f'c = 3,500 psi

HIGH STRENGTH STEEL REINFORCEMENT, GRADE 60 _____ fy = 60,000 psi

HIGH STRENGTH BOLTS - A325 _____ fy = 92,000 psi

ANCHOR RODS - ASTM F1554 GRADE 55 _____ fy = 55,000 psi

HEAVY HEX NUTS FOR ANCHOR RODS - ASTM A563A

WASHERS FOR ANCHOR RODS - ASTM F436

FOUNDATION DATA

SIGN STRUCTURE FOUNDATIONS ARE SUPPORTED ON DRILLED SHAFTS THAT HAVE BEEN DESIGNED FOR SITES WHERE SOILS EXHIBIT A PHI-ANGLE GREATER THAN OR EQUAL TO 24° (GRANULAR SOILS), OR A COHESION VALUE GREATER THAN OR EQUAL TO 750 PSF (COHESIVE SOILS) AND A UNIT WEIGHT OF 125 PCF. THE GROUND WATER TABLE FOR DESIGN IS ASSUMED TO BE AT A DEPTH OF 10'-0" BELOW THE GROUND SURFACE, ACTUAL WATER LEVEL AT SITE MAY VARY. THE REGION GEOTECHNICAL ENGINEER SHALL VISUALLY INSPECT THE SUBSURFACE SOILS DURING DRILLING OF THE SHAFT HOLE TO CONFIRM THESE PROPERTIES PRIOR TO PLACEMENT OF THE DRILLED SHAFT CONCRETE.

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

ALTERNATE DESIGNS ARE NOT ALLOWED.

COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), DANE COUNTY ZONE, NAD 88 (2007). ALL STATIONS AND ELEVATIONS ARE IN FEET. ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM NAVD 88 (2007).

ALL REINFORCING BARS ARE IN ENGLISH UNITS. THE FIRST DIGIT OF A THREE-DIGIT BAR MARK OR THE FIRST TWO DIGITS OF A FOUR-DIGIT BAR MARK SIGNIFIES THE BAR SIZE.

SIGN BRIDGE ID PLAQUES SHALL BE CONSIDERED INCIDENTAL TO THE TRUSS OR MONOTUBE BID ITEMS FOR EACH APPLICABLE SIGN STRUCTURE IN THE PLAN SET. LOCATE THE ID PLAQUE ON THE FREEWAY SIDE OF THE SUPPORT COLUMN SO THAT IT CAN BE SEEN FROM THE ROADWAY. FABRICATE AND INSTALL THE ID PLAQUE IN ACCORDANCE WITH S.D.D. 12 A 4-3.

UNLESS DETAILED OTHERWISE IN THE PLANS, ALL H.S. BOLTED CONNECTIONS SHALL BE MADE WITH " DIA A325 GALVANIZED BOLTS. FIELD CONNECTIONS SHALL BE INSTALLED WITH DTI WASHERS.

WELDED CONNECTIONS CAN BE USED IN LIEU OF BOLTED CONNECTIONS, IF A TRUSS UNIT CAN BE GALVANIZED IN ONE PIECE.

WELD TEST AS PER AWS D1.1.

SEE SIGN PLATE NO. A4-6, A4-7A & A4-7B OF THE SIGN PLATE MANUAL FOR INSTRUCTIONS ON CENTERING SIGNS VERTICALLY ON THE TRUSS.

SIGNS OR BLANKS SHALL BE INSTALLED ON TRUSS AT TIME OF ERECTION. BLANKS SHALL BE 1/4 THE LENGTH OF THE CANTILEVER SPAN, 2'-0" DEEPER THAN THE C/L TO C/L OF CHORDS, AND SHALL BE CENTERED ON THE BRIDGE. SIGNS SHALL BE AS DESIGNATED ON THE PLANS.

THE INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF UNDERGROUND UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL-INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION OF THE TYPE AND LOCATION OF UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE.

CONTRACTOR SHALL SUBMIT SHOP DRAWINGS PER THE REQUIREMENTS IN THE STANDARD SPECIFICATIONS PRIOR TO FABRICATION OF THE STRUCTURE. CONTRACTOR SHALL SHOW SIGNS ON THE SHOP DRAWINGS.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR DRILLING OR EXCAVATING AND MAINTAINING A STABLE AND OPEN HOLE FOR SUBSEQUENT INSTALLATION OF CONCRETE MASONRY FOR THE DRILLED SHAFTS. PARTIAL OR FULL DEPTH TEMPORARY CASING MAY BE REQUIRED TO MAINTAIN THE STABILITY OF THE EXCAVATED HOLE FOR THE SIGN SUPPORT PRIOR TO FILLING THE HOLE WITH CONCRETE. PERMANENT CASING MADE FROM STEEL OR CORRUGATED METAL PIPE MAY BE USED IN LIEU OF TEMPORARY CASING. TEMPORARY/PERMANENT CASING, IF USED, SHALL BE INCIDENTAL TO THE BID ITEM "DRILLING SHAFT (DIA.)".

STRUCTURE DATA

SIGN STR.	ACTUAL SIGN AREA	ACTUAL SIGN DEPTH	STANDARD TYPE
S-13-554	37 SF	4'-0"	N/A
S-13-555	28 SF	4'-0"	N/A
S-13-556	28 SF	4'-0"	N/A
S-13-557	28 SF	4'-0"	N/A
S-13-558	42 SF	4'-0"	N/A

LIST OF DRAWINGS

1. GENERAL NOTES & DESIGN DATA
2. GENERAL LAYOUT S-13-554
3. GENERAL LAYOUT S-13-555
4. GENERAL LAYOUT S-13-556
5. GENERAL LAYOUT S-13-557
6. GENERAL LAYOUT S-13-558

LIST OF OSS STANDARD DESIGN DRAWINGS

7. I. MONOTUBE & 2-CHORD TRUSS DETAILS 1
8. II. MONOTUBE & 2-CHORD TRUSS DETAILS 2
9. IV. MONOTUBE & 2-CHORD TRUSS FOUNDATIONS

STATE PROJECT NUMBER

5845-01-76

TRAFFIC VOLUME

A.D.T. (2042) = 18,200
R.D.S. = 40 MPH

TOTAL ESTIMATED QUANTITIES

BID ITEM NO.	BID ITEM	UNIT	S-13-554	S-13-555	S-13-556	S-13-557	S-13-558
531.2042	DRILLING SHAFT 42-INCH	LF	18	18	18	18	18
531.5130	FOUNDATION SINGLE-SHAFT TYPE MC-III	EA	1	1	1	1	1
532.5130	MONOTUBE CANTILEVER TYPE III	EA	1	1	1	1	1

STRUCTURE DESIGN CONTACTS

BUREAU OF STRUCTURES:
AARON BONK: (608) 261-0261

CONSULTANT:
BRETT OFTEDAHL (608) 251-4843

THESE ARE STANDARD DESIGN PLANS, DEVELOPED AND MAINTAINED BY THE WISCONSIN DEPARTMENT OF TRANSPORTATION. THE DESIGNER CERTIFIES THAT THE DESIGN AND PLAN DETAILS CHOSEN ARE CONSISTENT WITH THE GUIDANCE PROVIDED IN THE CURRENT WISCONSIN BRIDGE MANUAL CHAPTER 39.

NO.	DATE	REVISION	BY

WISCONSIN DEPARTMENT OF TRANSPORTATION
BUREAU OF STRUCTURES

ACCEPTED _____ _____
CHIEF STRUCTURES DESIGN ENGINEER DATE

MONOTUBE AND 2-CHORD TRUSS PLANS

STH 138 INTERSECTION

COUNTY	~~TOWN~~/CITY/~~VILLAGE~~
DANE	STOUGHTON

DESIGN SPEC.
AASHTO LRFD LTS-1 W/INTERIMS

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
BOS	BOS	RAJ	BMO

GENERAL NOTES & DESIGN DATA

SHEET 1 OF 6

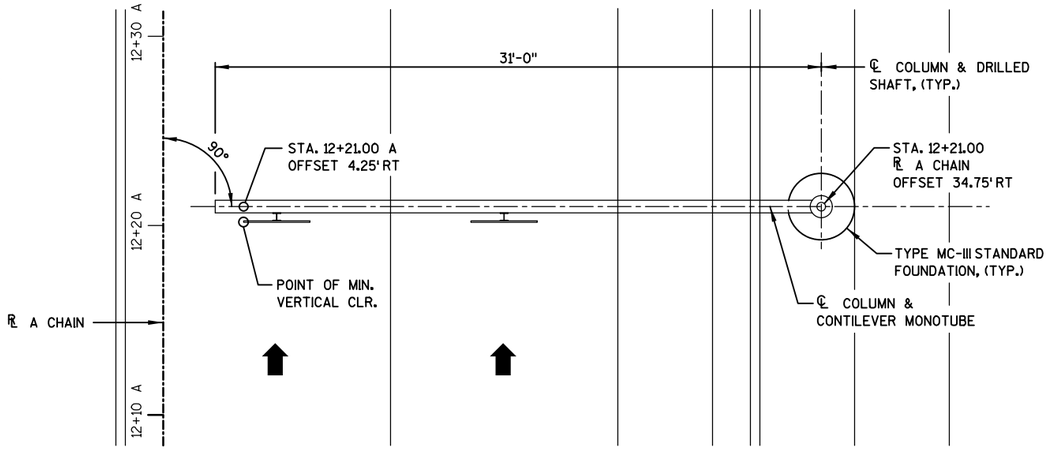
SCALE : $$.....plotscale.....$$

8

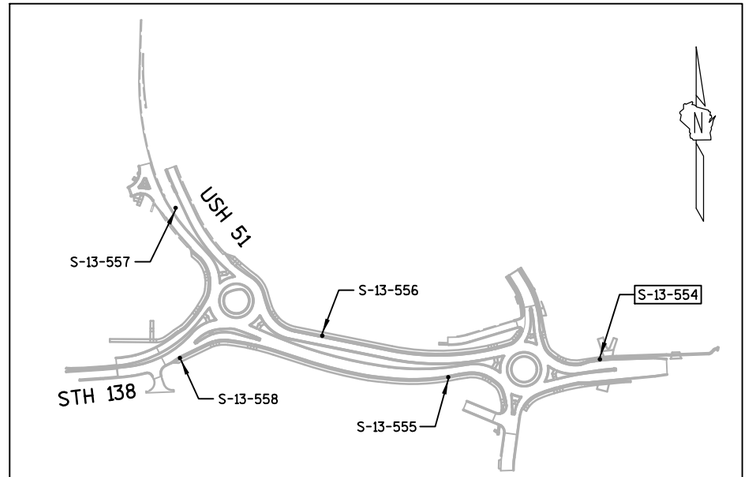
8

STATE PROJECT NUMBER

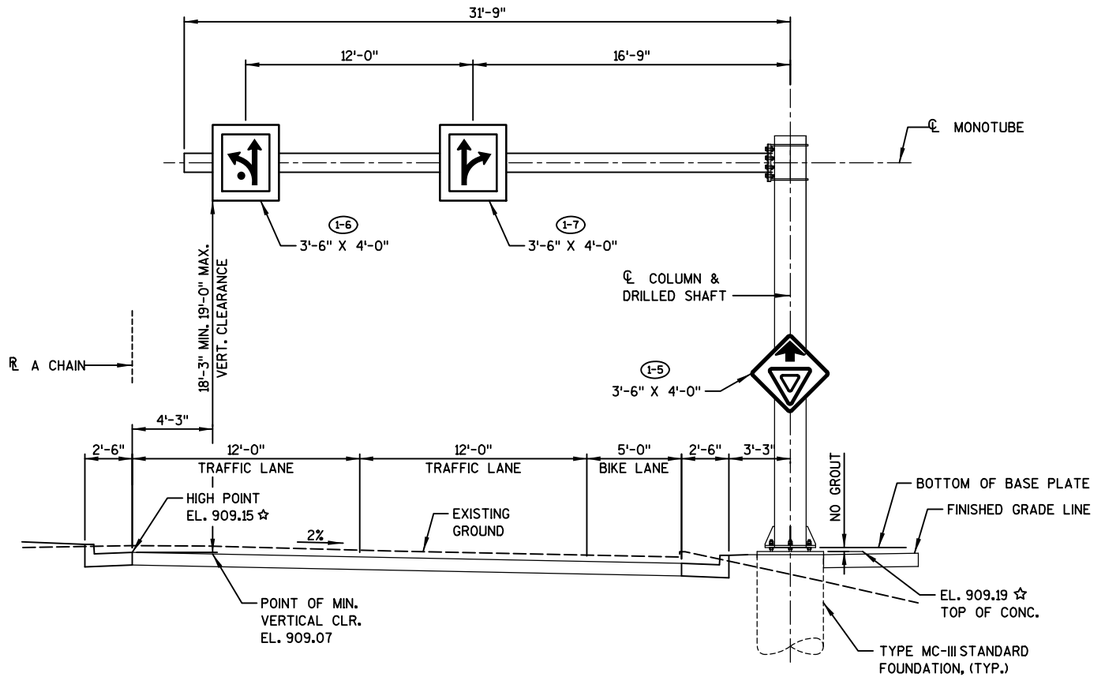
5845-01-76



PLAN



LOCATION MAP



ELEVATION

STA. 12+21.00 A
(LOOKING UPSTATION AT FRONT OF SIGN)

NOTE

POINT OF MIN VERTICAL CLEARANCE
STA 12+21.00 A, 4.25' RT
EL 909.07

LEGEND

☆ ELEVATIONS GIVEN ALONG ℄ MONOTUBE

(XXX) SIGN NUMBERS (PERMANENT SIGNING PLAN)

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE S-13-554

DRAWN BY RAJ | PLANS CK'D. BMO

GENERAL LAYOUT
S-13-554

SHEET 2 OF 6

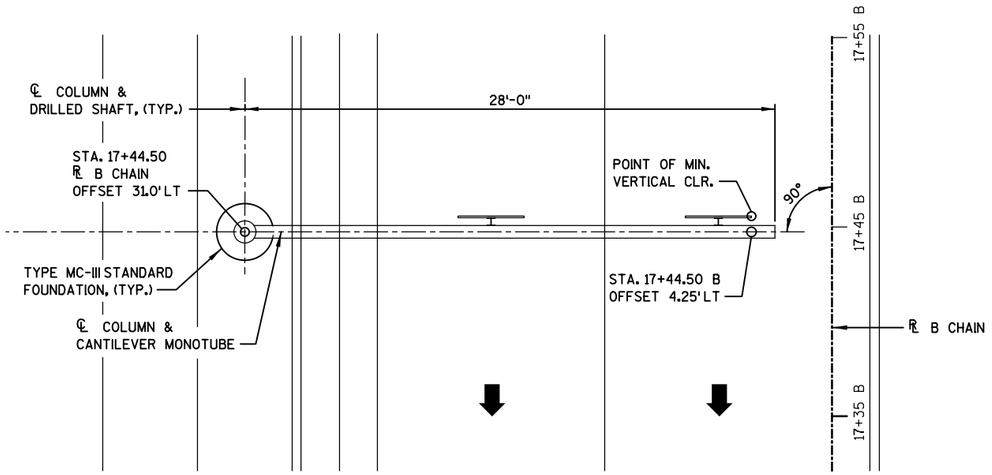
8

8

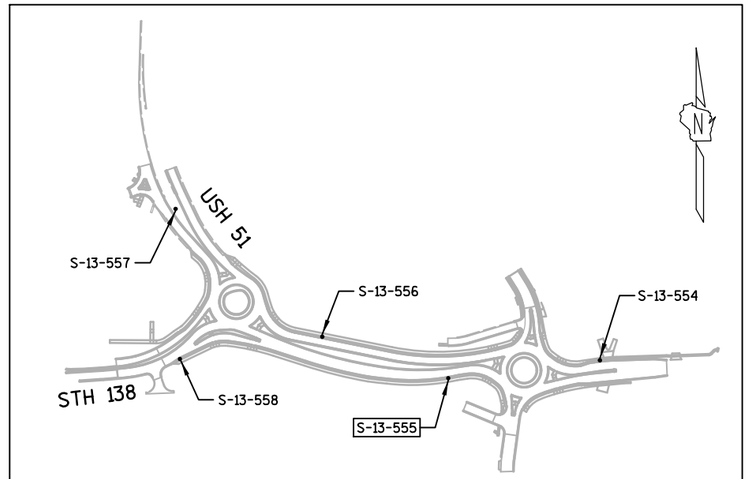
FILE NAME : S:\MAD\1000--1099\1089\804\Micros\PLAN\S13554_new.dgn

STATE PROJECT NUMBER

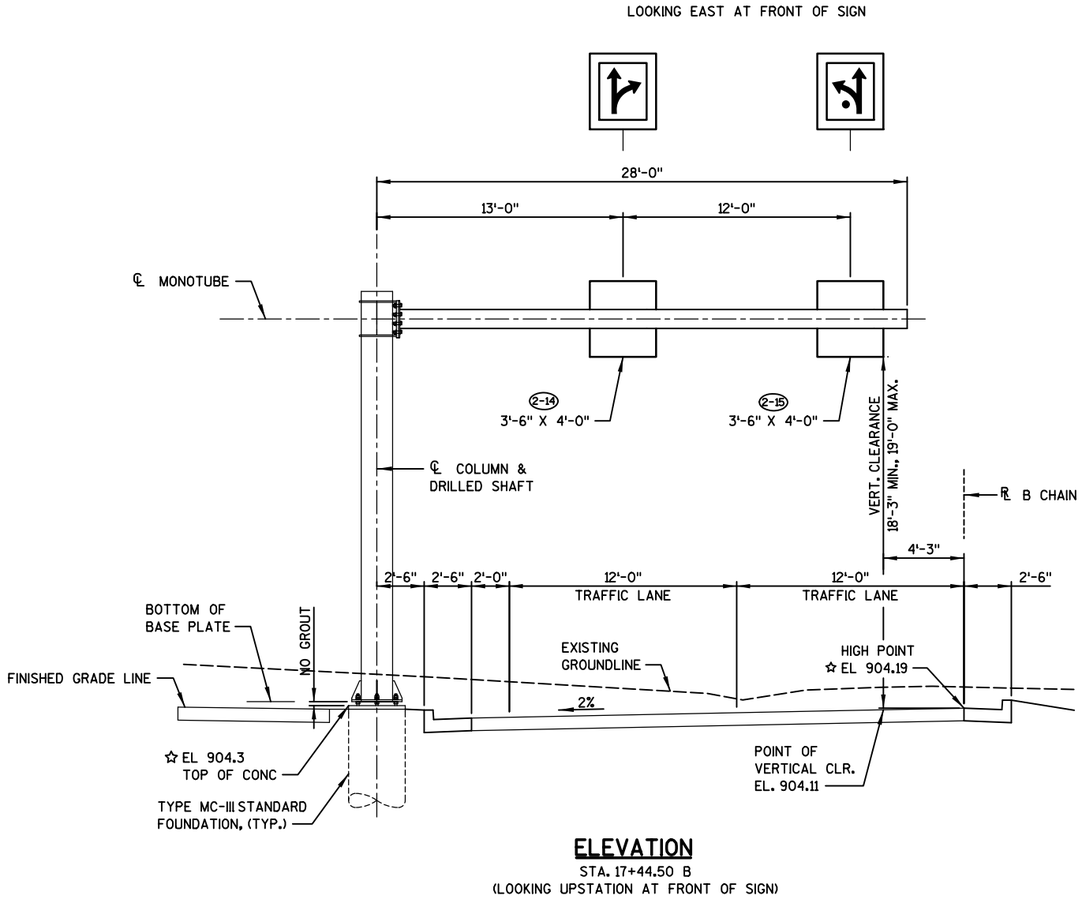
5845-01-76



PLAN



LOCATION MAP



ELEVATION

STA. 17+44.50 B
(LOOKING UPSTATION AT FRONT OF SIGN)

NOTE

POINT OF MIN VERTICAL CLEARANCE
STA 17+44.50 B, 4.25' RT
EL 904.11

LEGEND

☆ ELEVATIONS GIVEN ALONG ℄ MONOTUBE

(XXX) SIGN NUMBERS (PERMANENT SIGNING PLAN)

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE S-13-555

DRAWN BY RAJ | PLANS CK'D. BMO

GENERAL LAYOUT
S-13-555

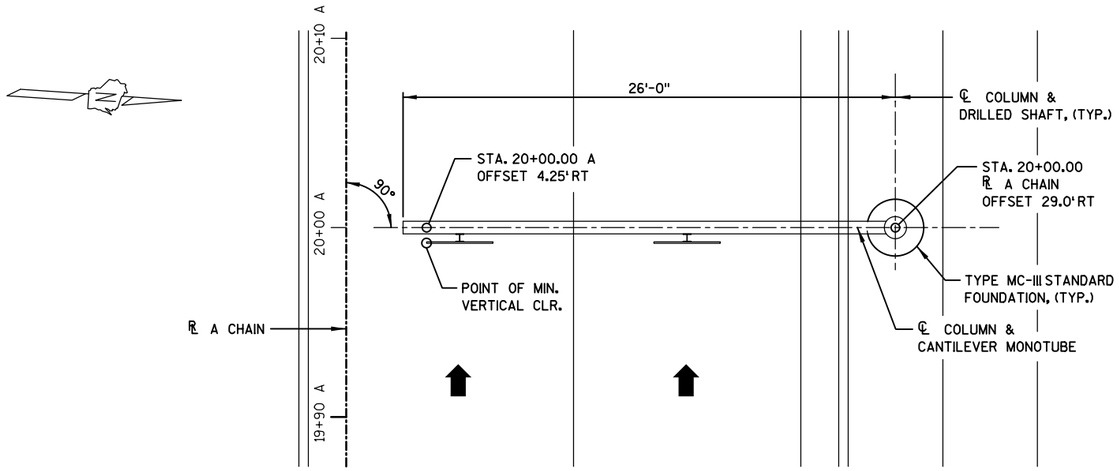
SHEET 3 OF 6

8

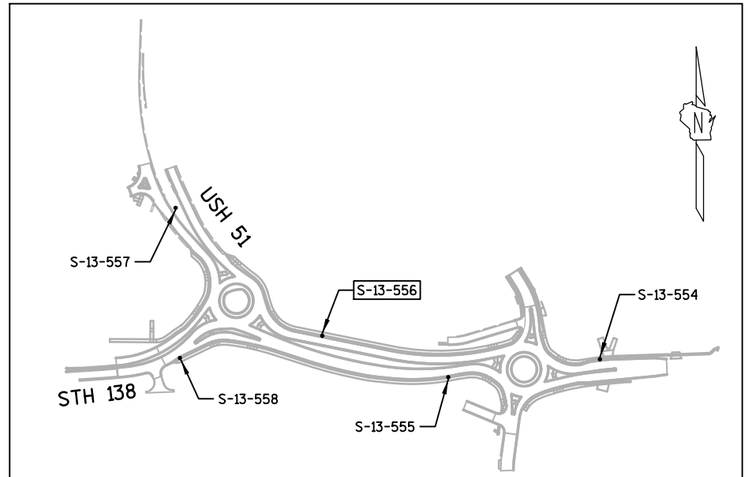
8

FILE NAME : S:\MAD\1000--1099\1089\804\Micros\PLAN\S13555_new.dgn

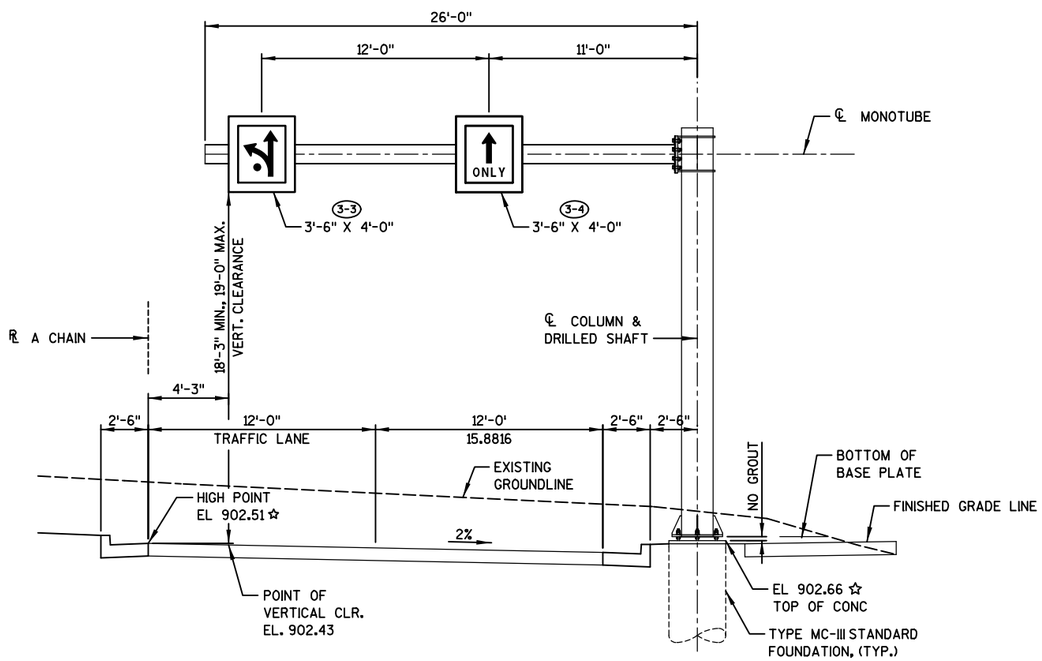
STATE PROJECT NUMBER
5845-01-76



PLAN



LOCATION MAP



ELEVATION

STA. 22+00.00 A
(LOOKING UPSTATION AT FRONT OF SIGN)

NOTE

POINT OF MIN VERTICAL CLEARANCE
STA 22+00.00 A, 4.25' RT
EL 902.43

LEGEND

☆ ELEVATIONS GIVEN ALONG ℄ MONOTUBE

(XXX) SIGN NUMBERS (PERMANENT SIGNING PLAN)

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE S-13-556

DRAWN BY RAJ | PLANS CK'D. BMO

GENERAL LAYOUT
S-13-556

SHEET 4 OF 6

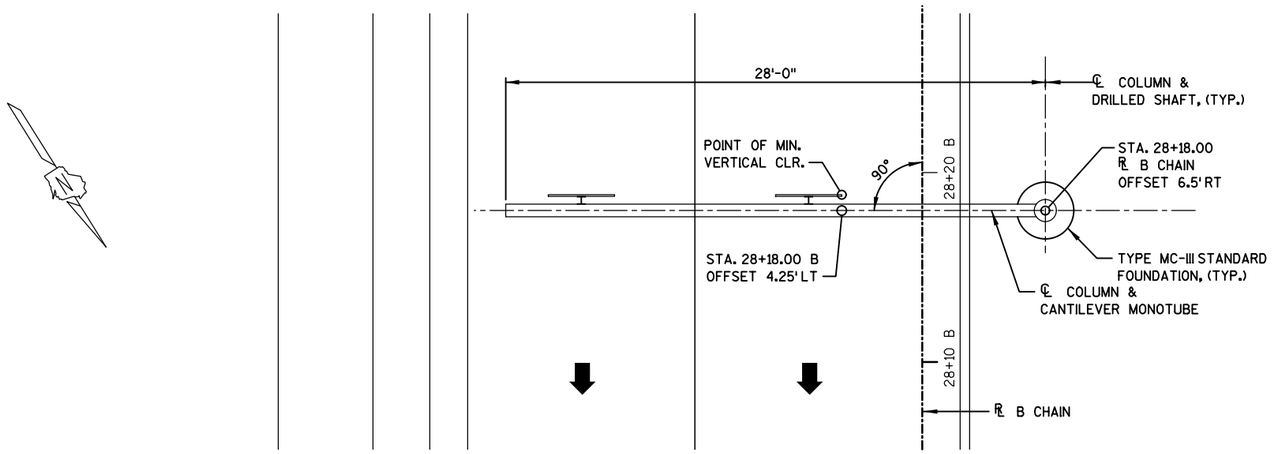
8

8

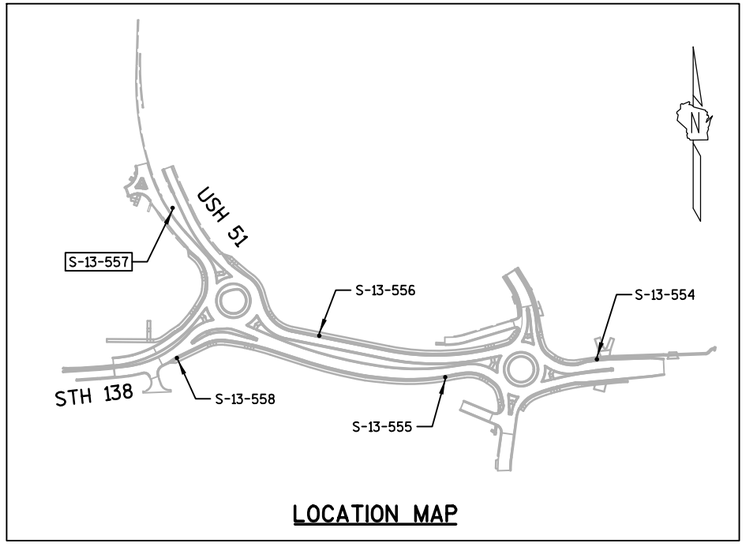
FILE NAME : S:\MAD\1000--1099\1089\804\Micros\PLAN\S13556_new.dgn

STATE PROJECT NUMBER

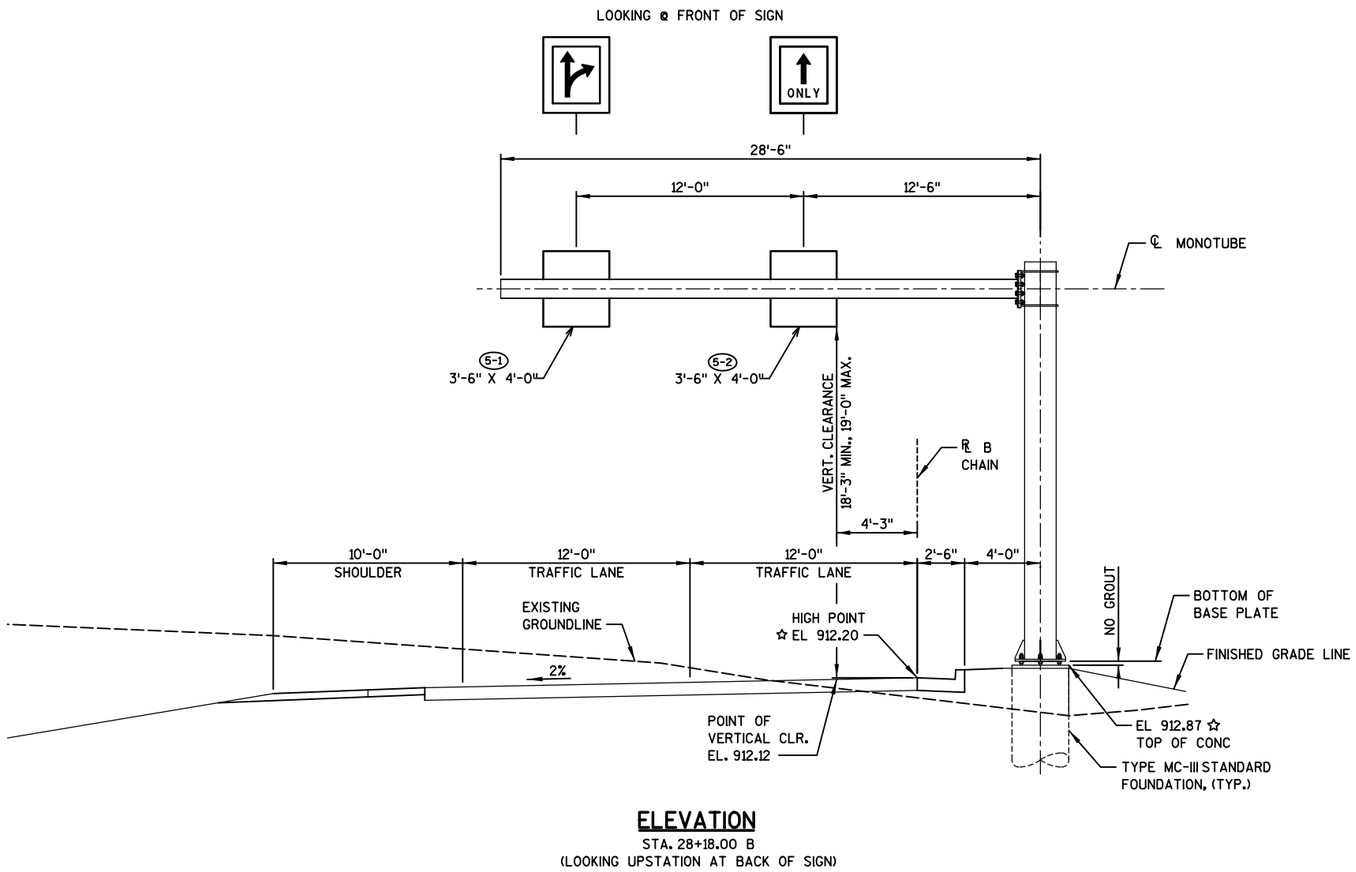
5845-01-76



PLAN



LOCATION MAP



ELEVATION

STA. 28+18.00 B
(LOOKING UPSTATION AT BACK OF SIGN)

NOTE

POINT OF MIN VERTICAL CLEARANCE
STA 28+18.00 B, 4.25' RT
EL 912.12

LEGEND

☆ ELEVATIONS GIVEN ALONG ℄ MONOTUBE

(XXX) SIGN NUMBERS (PERMANENT SIGNING PLAN)

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE S-13-557

DRAWN BY RAJ | PLANS CK'D. BMO

GENERAL LAYOUT
S-13-557

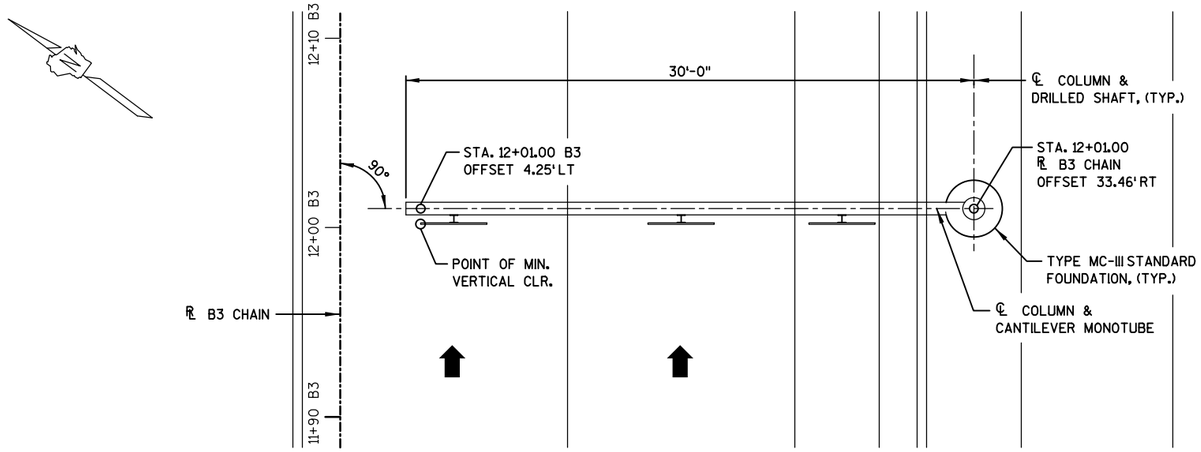
SHEET 5 OF 6

8

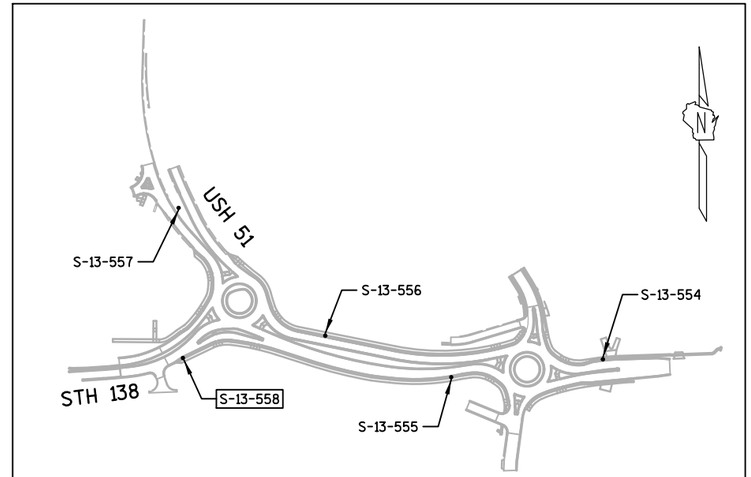
8

FILE NAME : S:\MAD\1000--1099\1089\804\Micros\PLAN\S13557_new.dgn

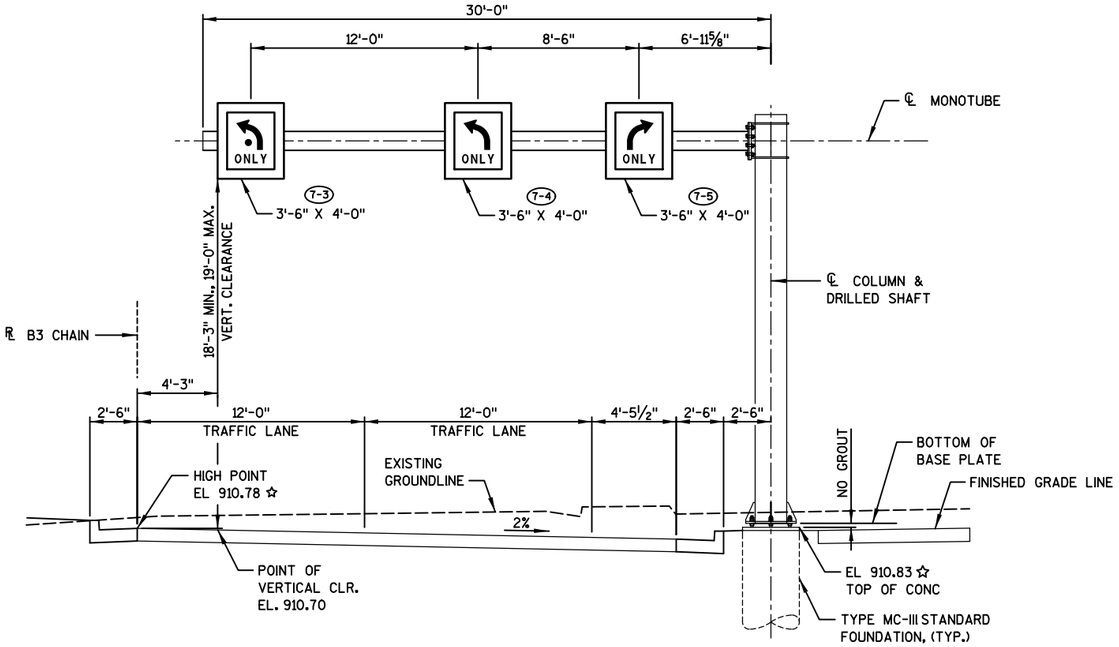
STATE PROJECT NUMBER
5845-01-76



PLAN



LOCATION MAP



ELEVATION

STA. 12+01.00 B3
(LOOKING UPSTATION AT FRONT OF SIGN)

NOTE

POINT OF MIN VERTICAL CLEARANCE
STA 12+01.00 B3, 4.25' RT
EL 910.70

LEGEND

☆ ELEVATIONS GIVEN ALONG ℄ MONOTUBE

(XXX) SIGN NUMBERS (PERMANENT SIGNING PLAN)

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE S-13-558

DRAWN BY RAJ | PLANS CK'D. BMO

GENERAL LAYOUT
S-13-558

SHEET 6 OF 6

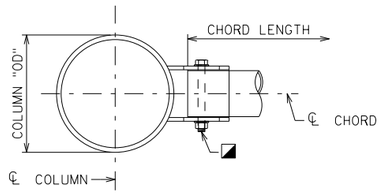
8

8

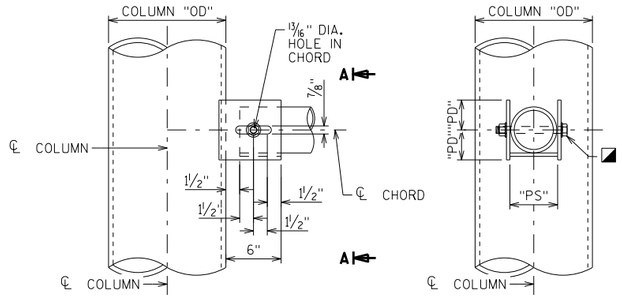
FILE NAME : S:\MAD\1000--1099\1089\804\Micros\PLAN\S13558_new.dgn

STATE PROJECT NUMBER

STANDARD



PLAN



ELEVATION SECTION A-A

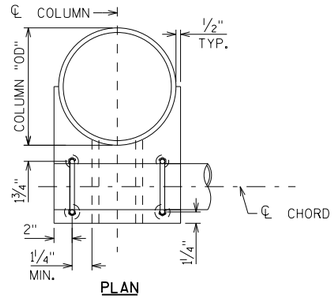
FULL SPAN SADDLE CONNECTION

PREFERRED

3/4" GALVANIZED A325 OR A449 HEAVY HEX BOLT, NUT, WASHER

"PD" = (CHORD "OD")/2 + 3/4"

"PS" = CHORD "OD" + 3/16"



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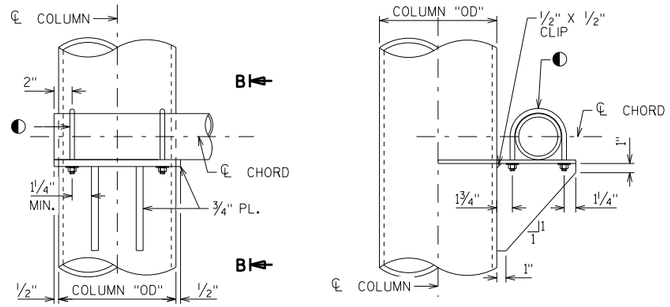
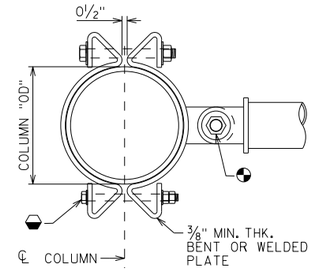


ELEVATION SECTION B-B

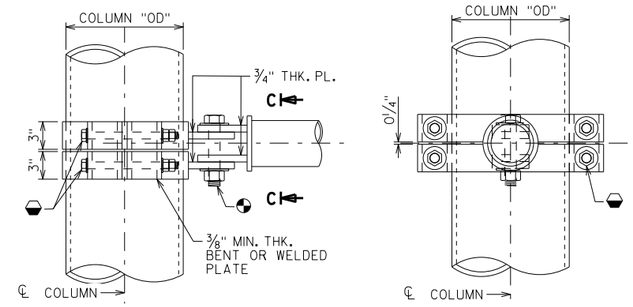
FULL SPAN STIFFENED BEARING CONNECTION

ALTERNATE 1

◐ (2) - 1/2" MIN. GALVANIZED U-BOLT, NUT, WASHER AND LOCK WASHER



PLAN



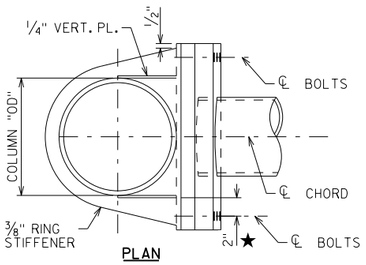
ELEVATION SECTION C-C

FULL SPAN CLAMP CONNECTION

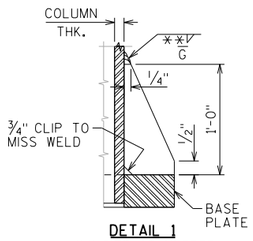
ALTERNATE 2 - TAPERED COLUMNS ONLY

1 1/4" GALVANIZED A325 HEAVY HEX BOLT, NUT AND WASHER

1" GALVANIZED A449 HEAVY HEX BOLT, NUT AND WASHER

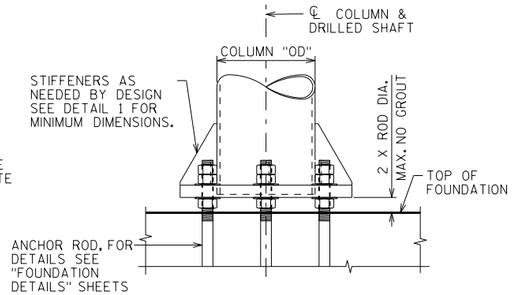


PLAN



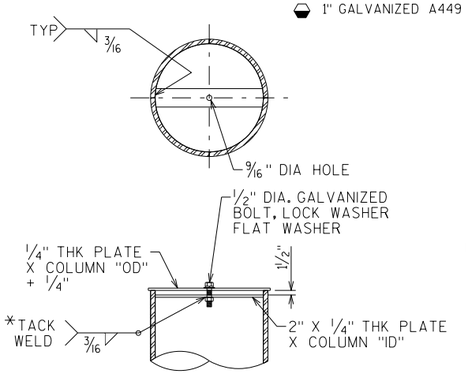
DETAIL 1

** SIZE AS NEEDED



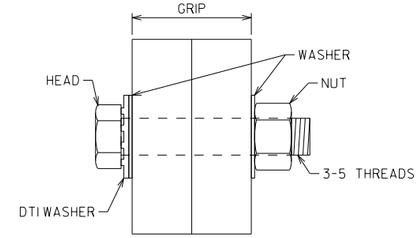
BASE PLATE & COLUMN DETAIL

LOOKING AT FRONT FACE OF STRUCTURE

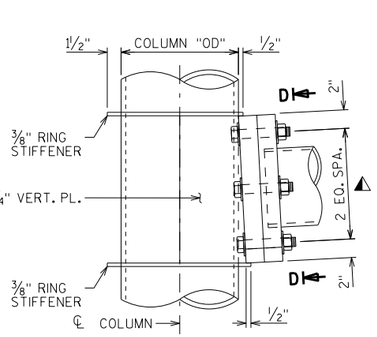


COLUMN/CHORD CAP DETAIL

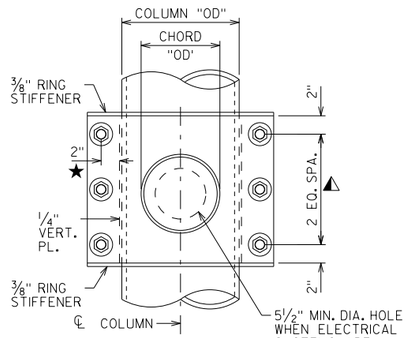
*PLACE TACK EVERY OTHER FLAT TO SECURE NUT OR USE 1/2" THICK AND TAP PLATE HOLE FOR BOLT THREADS



RECOMMENDED BOLT DETAIL WITH DTI



ELEVATION

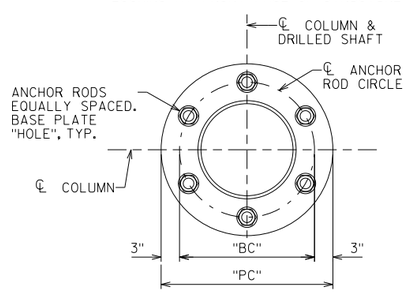


SECTION D-D

CANTILEVER POST TO CHORD CONNECTION

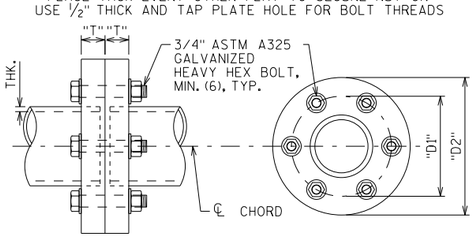
◭ MIN. CONNECTION = (6) - 1" GALVANIZED A325 BOLTS, NUT, WASHER AND DTI

★ MEASURED FROM EXT. FACE OF VERT. PLATE



BASE PLATE

PLAN



CHORD SPLICE DETAIL

"D1" = CHORD "OD" + 3"

"D2" = CHORD "OD" + 6"

"T" = BY DESIGN

NOTES:

MINIMUM VALUES SHOWN

ALL CONNETIONS ARE TO BE DESIGNED FOR ACTUAL STRUCTURE LOADS.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

UPDATED: JULY 2020

DRAWN BY BOS | PLANS CK'D. BOS

MONOTUBE & 2-CHORD TRUSS DETAILS 1

SHEET 1 OF IV

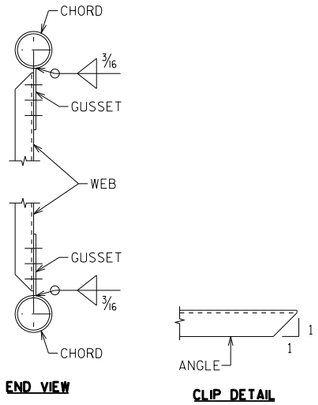
8

8

SCALE = 1.00

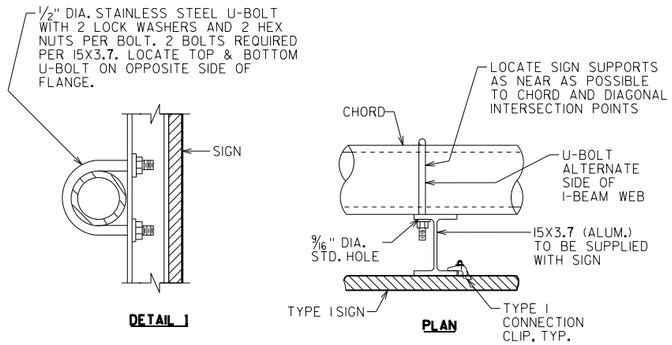
STATE PROJECT NUMBER

STANDARD



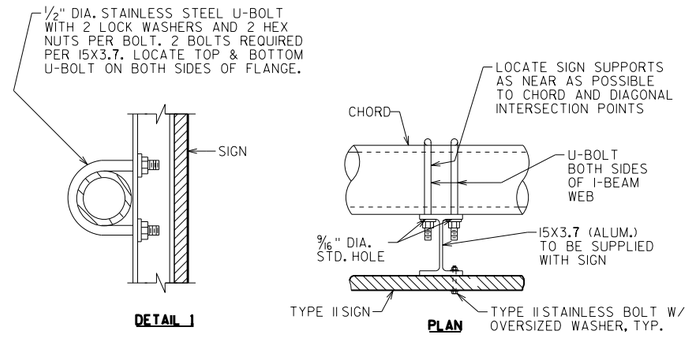
TRUSS CONNECTION DETAILS

BOLTED CONNECTIONS SHOWN, NUMBER OF BOLTS BY DESIGN
WELDED CONNECTIONS SIMILAR



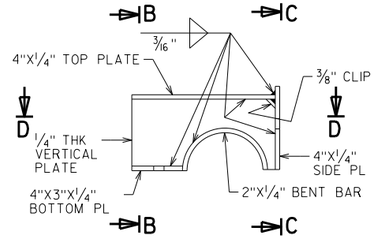
2-CHORD TRUSS SIGN CONNECTION

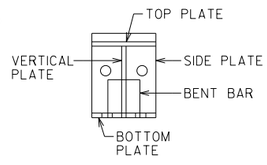
SEE SIGN PLATE MANUAL A4-7A FOR DETAILS

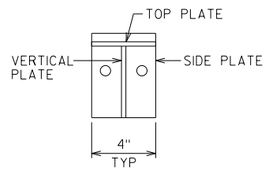


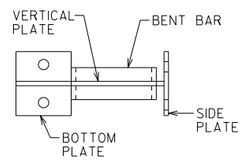
MONOTUBE SIGN CONNECTION

SEE SIGN PLATE MANUAL A4-7B FOR DETAILS



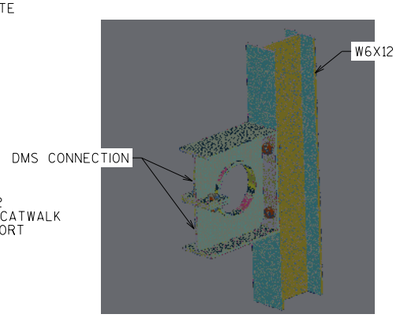






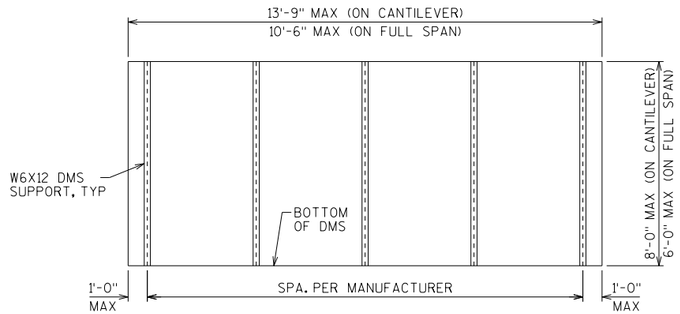
DMS WELDED PLATE CONNECTION DETAILS

TOP PLATE CLAMP SHOWN
BOTTOM PLATE CLAMP SIMILIAR



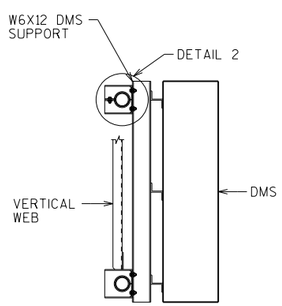
3-D VIEW DMS CONNECTION

CHORD NOT SHOWN FOR CLARITY



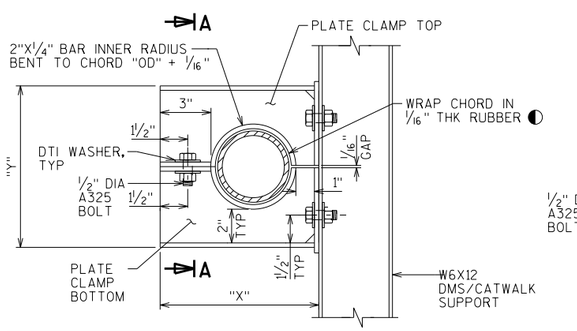
DMS MOUNTING POST SPACING DETAIL

POST SPACING MAY BE ADJUSTED AS REQUIRED IF CONFLICT WITH TRUSS IS ENCOUNTERED.

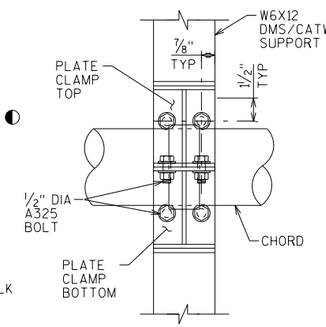


SECTION THRU TRUSS

FOR DMS CONNECTION



CHORD OUTER DIA	"X"	"Y"
"OD"	"OD"+4 13/16"	"OD"+5 1/16"



TYPICAL DMS CONNECTION

◐ NEOPRENE, GRADE 45±5, OTHERWISE MEETING THE REQUIREMENTS OF STD SPEC 506.2.6.1

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

UPDATED: JULY 2020

DRAWN BY: BOS | PLANS CK'D.: BOS

MONOTUBE & 2-CHORD TRUSS DETAILS 2

SHEET 11 OF IV

SCALE = 2.00

8

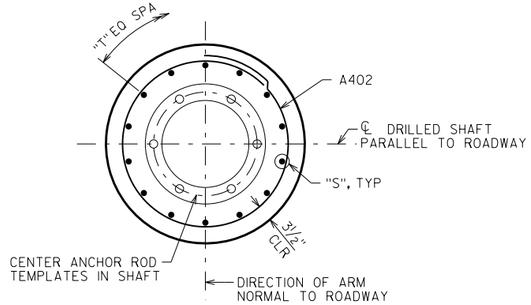
8

STATE PROJECT NUMBER

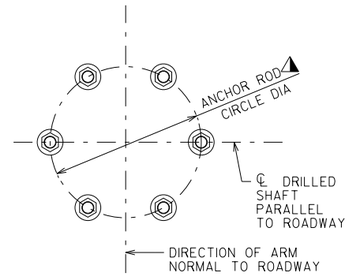
STANDARD

FOUNDATION & REINFORCING DATA

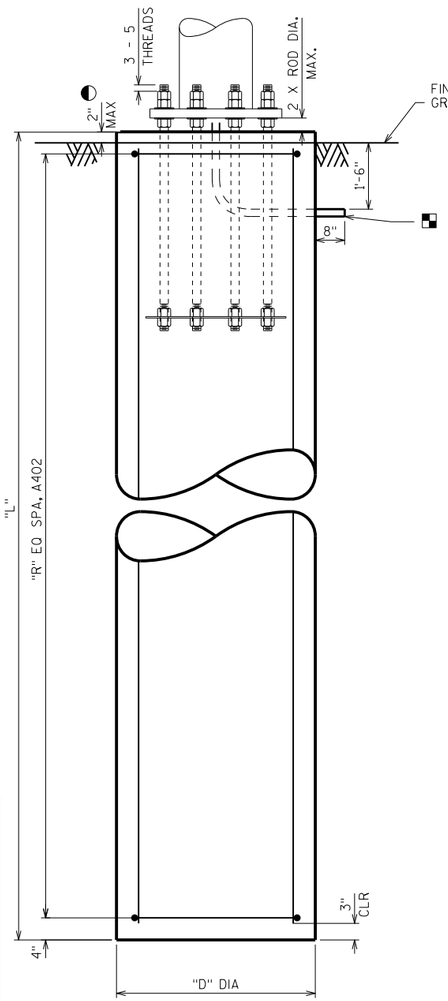
STANDARD FOUNDATION TYPE	SHAFT VARIABLES					
	"D"	"L"	"R"	"S"	"T"	"BC" MAX
MFI	2'-0"	12'-0"	12	A801	6	12"
MFII	2'-6"	13'-0"	13	A801	10	17"
MCI/MCII/TFI	2'-6"	17'-0"	17	A801	10	17"
TCI	3'-0"	18'-0"	18	A801	14	22"
TFII	3'-0"	20'-0"	20	A801	14	22"
MCIII/TCII/TFIII	3'-6"	18'-0"	18	A901	14	28"
MCIV/TFIV	3'-6"	23'-0"	23	A901	14	28"
TCIII	4'-0"	23'-0"	23	A1001	14	34"
TCIV	4'-0"	28'-0"	28	A1001	14	34"



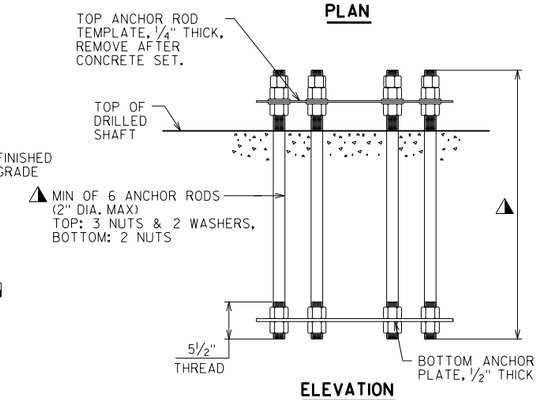
PLAN



PLAN



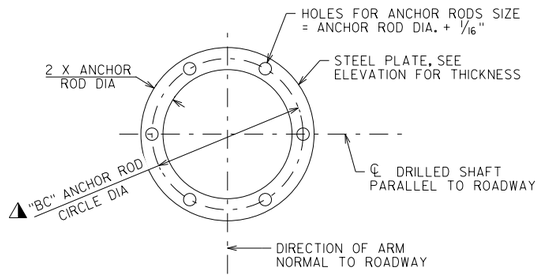
ELEVATION



ELEVATION

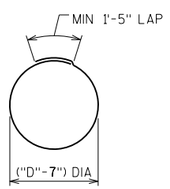
ANCHOR ROD ASSEMBLY DETAILS

△ ANCHOR ROD NUMBER, DIAMETER, LENGTH & ORIENTATION AS SHOWN ON FABRICATION DRAWING.



ANCHOR PLATE/TOP TEMPLATE

PLAN



A402

NOTE:
THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

BILL OF BARS - STANDARD FOUNDATIONS

STANDARD FOUNDATION MFI

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A801		6	11'-7"			DRILLED SHAFT - VERTICAL
A402		13	5'-10"	X		DRILLED SHAFT - HORIZONTAL

STANDARD FOUNDATION MFII

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A801		10	12'-7"			DRILLED SHAFT - VERTICAL
A402		14	7'-5"	X		DRILLED SHAFT - HORIZONTAL

STANDARD FOUNDATION MCI/MCII/TFI

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A801		10	16'-7"			DRILLED SHAFT - VERTICAL
A402		18	7'-5"	X		DRILLED SHAFT - HORIZONTAL

STANDARD FOUNDATION TCI

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A801		14	17'-7"			DRILLED SHAFT - VERTICAL
A402		19	9'-0"	X		DRILLED SHAFT - HORIZONTAL

STANDARD FOUNDATION TFII

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A801		14	19'-7"			DRILLED SHAFT - VERTICAL
A402		21	9'-0"	X		DRILLED SHAFT - HORIZONTAL

STANDARD FOUNDATION MCIII/TCII/TFIII

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A901		14	17'-7"			DRILLED SHAFT - VERTICAL
A402		19	10'-6"	X		DRILLED SHAFT - HORIZONTAL

STANDARD FOUNDATION MCIV/TFIV

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A901		14	22'-7"			DRILLED SHAFT - VERTICAL
A402		24	10'-6"	X		DRILLED SHAFT - HORIZONTAL

STANDARD FOUNDATION TCIII

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A1001		14	22'-7"			DRILLED SHAFT - VERTICAL
A402		24	12'-2"	X		DRILLED SHAFT - HORIZONTAL

STANDARD FOUNDATION TCIV

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A1001		14	27'-7"			DRILLED SHAFT - VERTICAL
A402		29	12'-2"	X		DRILLED SHAFT - HORIZONTAL

ESTIMATED QUANTITIES - FOUNDATIONS

STANDARD FOUNDATION TYPE	CONCRETE MASONRY (CY)	STEEL REINFORCEMENT HS (LBS)	FOUNDATION DRILLING (LF)				
			24" DIA.	30" DIA.	36" DIA.	42" DIA.	48" DIA.
MFI	2	240	12				
MFII	3	410		13			
MCI/MCII/TFI	4	540		17			
TCI	5	780			18		
TFII	6	860			20		
MCIII/TCII/TFIII	7	970				18	
MCIV/TFIV	9	1,250				23	
TCIII	11	1,560					23
TCIV	13	1,900					28

✳✳ QUANTITIES ARE FOR INFORMATION ONLY AND ARE BASED ON STANDARD STRUCTURE DIMENSIONS

NOTES

CENTER ANCHOR ROD ASSEMBLY ON DRILLED SHAFT AND MAKE SURE IT IS PLUMB. MAINTAIN ANCHOR ROD PROJECTION ABOVE FOOTING AS DETAILED. ANCHOR ROD ASSEMBLY SHALL BE RIGIDLY SECURED IN POSITION DURING AND AFTER CONCRETE PLACEMENT. DO NOT WELD THE ANCHOR RODS.

◐ FOR OVERHEAD SIGN STRUCTURES THAT ARE INSTALLED ADJACENT TO SIDEWALKS, THE TOP OF THE SHAFT SHALL BE POURED FLUSH WITH THE FINISHED GRADE.

◪ 2" DIA NONMETALLIC CONDUITS, INSTALL ONLY WITH DMS. EXTEND CONDUITS AS SHOWN AND CAP OR SEAL EACH END WITH A SUITABLE REMOVABLE PLUG. PLACE CONDUITS UNDER COLUMN ADJACENT TO THE DMS. CONDUITS INCIDENTAL TO THE FOUNDATION BID ITEMS.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

UPDATED: JULY 2020

DRAWN BY BOS | PLANS CK'D. BOS

MONOTUBE & 2-CHORD TRUSS FOUNDATIONS

SHEET IV OF IV

SCALE = 1.67

8

8

NB USH 51								
		AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
STATION	DISTANCE	CUT	FILL	CUT NOTE 1	FILL NOTE 3	CUT 1.00 NOTE 1	EXPANDED FILL 1.33	MASS ORDINATE NOTE 4
8+30.67		6	3	0	0	0	0	0
8+31.00	0	7	3	0	0	0	0	0
8+50.00	19	0	35	2	10	2	13	-10
9+00.00	50	0	53	0	82	2	121	-119
9+50.00	50	0	15	0	63	2	206	-203
9+70.00	20	21	0	8	6	10	213	-203
10+00.00	30	69	33	50	18	61	238	-177
10+25.00	25	71	65	65	45	125	298	-173
10+50.00	25	71	75	66	65	191	384	-193
11+00.00	50	73	83	133	49	324	449	-125
11+50.00	50	86	98	147	167	471	671	-200
11+94.75	45	100	29	155	106	626	812	-186
12+00.00	5	102	27	20	6	645	819	-174
12+17.61	18	96	66	64	30	710	860	-150
12+50.00	32	111	40	124	64	834	945	-111
13+00.00	50	122	19	0	0	834	945	-111
13+50.00	50	149	13	250	30	1,084	984	100
14+00.00	50	116	44	245	53	1,329	1,055	274
14+05.41	5	107	66	22	11	1,351	1,070	282
15+48.52	---	3	174	0	0	1,351	1,070	282
15+50.00	1	3	171	0	9	1,352	1,082	269
16+00.00	50	41	112	40	263	1,392	1,431	-39
16+50.00	50	61	98	94	194	1,486	1,690	-204
17+00.00	50	127	41	175	128	1,661	1,861	-199
17+50.00	50	157	54	263	88	1,924	1,977	-53
18+00.00	50	187	39	319	86	2,243	2,091	152
18+50.00	50	214	6	371	41	2,614	2,146	468
19+00.00	50	244	3	424	9	3,038	2,158	881
19+50.00	50	260	1	466	4	3,504	2,163	1,341
20+00.00	50	252	2	473	3	3,978	2,167	1,811
20+50.00	50	228	2	444	3	4,422	2,171	2,251
21+00.00	50	190	2	388	4	4,809	2,176	2,633
21+50.00	50	154	2	319	3	5,128	2,181	2,948
22+00.00	50	120	2	253	4	5,382	2,186	3,196
22+50.00	50	125	2	227	4	5,608	2,190	3,418
23+00.00	50	135	6	241	7	5,849	2,199	3,650
23+50.00	50	144	10	258	14	6,107	2,219	3,889
24+00.00	50	119	24	244	32	6,351	2,261	4,090
24+08.09	8	101	27	33	8	6,384	2,271	4,113
25+54.35	---	22	194	0	0	6,384	2,271	4,113
26+00.00	46	65	148	73	289	6,457	2,656	3,802
26+50.00	50	88	10	142	147	6,599	2,851	3,748
27+00.00	50	107	7	181	16	6,780	2,872	3,908
27+50.00	50	125	17	215	23	6,995	2,902	4,093
28+00.00	50	118	40	225	53	7,220	2,973	4,247
28+50.00	50	91	68	194	100	7,414	3,106	4,307
29+00.00	50	70	45	150	105	7,563	3,246	4,317
29+50.00	50	130	4	186	46	7,749	3,307	4,442
29+87.22	37	59	1	131	3	7,880	3,312	4,568
			COLUMN TOTALS	7,880	2,490			

NOTES:

1) CUT: CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2) SALVAGED/UNUSABLE PAVEMENT MATERIAL: THIS IS NOT SHOWN IN THE CROSS SECTIONS
3) FILL: FILL DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL
4) EXPANDED EBS BACKFILL: THIS IS TO BE FILLED WITH SELECT CRUSHED MATERIAL . EBS BACKFILL EXPANSION FACTOR = 1.30

SB USH 51								
		AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
STATION	DISTANCE	CUT	FILL	CUT NOTE 1	FILL NOTE 3	CUT 1.00 NOTE 1	EXPANDED FILL 1.33	MASS ORDINATE NOTE 4
10+00.00		91	0	0	0	0	0	0
10+50.00	50	86	0	164	0	164	0	164
11+00.00	50	84	0	158	0	322	0	321
11+50.00	50	101	0	0	0	322	0	321
12+00.00	50	116	1	201	1	522	1	521
12+20.00	20	176	1	108	1	630	2	628
12+50.00	30	140	0	175	0	806	3	803
13+00.00	50	113	0	0	0	806	3	803
13+50.00	50	93	3	190	3	996	7	989
14+00.00	50	94	3	173	6	1,169	14	1,155
14+14.48	14	86	3	0	0	1,169	14	1,155
15+59.14	---	109	5	0	0	1,169	14	1,155
16+00.00	41	143	0	190	4	1,359	20	1,340
16+50.00	50	148	0	269	0	1,628	20	1,609
17+00.00	50	148	0	0	0	1,628	20	1,609
17+50.00	50	177	0	301	0	1,929	20	1,910
18+00.00	50	203	0	352	0	2,282	20	2,262
18+50.00	50	227	0	399	0	2,680	20	2,661
19+00.00	50	259	0	450	0	3,130	20	3,111
19+50.00	50	272	0	492	0	3,622	20	3,602
20+00.00	50	291	0	522	0	4,144	20	4,124
20+50.00	50	279	0	528	0	4,672	20	4,653
21+00.00	50	245	56	486	52	5,158	88	5,070
21+50.00	50	215	107	426	151	5,584	289	5,296
22+00.00	50	187	133	372	223	5,956	585	5,372
22+50.00	50	163	144	324	257	6,280	926	5,354
23+00.00	50	154	142	293	264	6,573	1,278	5,296
23+50.00	50	163	112	294	235	6,867	1,591	5,276
24+00.00	50	139	0	280	104	7,147	1,729	5,418
24+30.83	31	131	0	154	0	7,301	1,729	5,572
25+97.04	---	228	0	0	0	7,301	1,729	5,572
26+00.00	3	229	0	25	0	7,326	1,729	5,597
26+50.00	50	141	0	343	0	7,669	1,729	5,940
27+00.00	50	90	0	214	0	7,883	1,729	6,154
27+50.00	50	139	0	212	0	8,095	1,729	6,366
28+00.00	50	318	0	423	0	8,518	1,729	6,789
28+50.00	50	264	0	538	0	9,056	1,729	7,327
29+00.00	50	208	0	437	0	9,493	1,729	7,764
29+50.00	50	169	6	349	6	9,842	1,736	8,106
30+00.00	50	320	1	453	7	10,295	1,745	8,550
30+32.97	33	187	6	310	4	10,605	1,751	8,854
30+50.00	17	190	0	119	2	10,724	1,754	8,971
30+71.47	21	148	33	134	13	10,858	1,771	9,087
31+00.00	29	1	4	79	20	10,937	1,797	9,140
31+50.00	50	1	2	2	5	10,939	1,804	9,135
32+00.00	50	1	1	225	13	10,520	1,762	8,758
32+50.00	50	2	0	2	2	10,522	1,764	8,758
33+00.00	50	2	2	3	2	10,525	1,767	8,759
33+50.00	50	2	1	3	3	10,529	1,771	8,758
34+00.00	50	2	0	3	1	10,532	1,773	8,760
34+50.00	50	2	0	3	0	10,535	1,773	8,762
35+00.00	50	2	0	3	0	10,538	1,773	8,765
35+50.00	50	0	1	1	1	10,540	1,774	8,766
35+51.64	2	0	0	0	0	10,540	1,774	8,766
			COLUMN TOTALS	11,184	1,378			

NOTES:

1) CUT: CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2) SALVAGED/UNUSABLE PAVEMENT MATERIAL: THIS IS NOT SHOWN IN THE CROSS SECTIONS
3) FILL: FILL DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL
4) EXPANDED EBS BACKFILL: THIS IS TO BE FILLED WITH SELECT CRUSHED MATERIAL . EBS BACKFILL EXPANSION FACTOR = 1.30

A1								
		AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
STATION	DISTANCE	CUT	FILL	CUT NOTE 1	FILL NOTE 3	CUT 1.00 NOTE 1	EXPANDED FILL 1.33	MASS ORDINATE NOTE 4
10+00.00		133	46	0	0	0	0	0
10+50.00	50	213	45	321	84	321	112	209
11+00.00	50	1	126	199	134	520	290	229
11+50.00	50	78	42	73	155	593	497	96
12+00.00	50	145	41	206	77	799	599	200
12+50.00	50	74	51	203	85	1,002	712	290
13+00.00	50	161	56	218	98	1,220	843	378
13+50.00	50	110	48	251	96	1,471	970	501
13+67.56	18	133	46	79	30	1,550	1,011	539
			COLUMN TOTALS	1,550	760			

HOEL AVE (A3)								
		AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
STATION	DISTANCE	CUT	FILL	CUT NOTE 1	FILL NOTE 3	CUT 1.00 NOTE 1	EXPANDED FILL 1.33	MASS ORDINATE NOTE 4
10+00.00		25	4	0	0	0	0	0
10+25.00	25	28	2	24	3	24	4	21
10+50.00	25	30	2	27	2	51	6	45
11+00.00	50	40	0	66	2	117	9	108
11+50.00	50	90	0	120	0	237	9	229
12+00.00	50	116	0	190	0	427	9	419
12+50.00	50	117	0	215	0	642	9	634
12+54.65	5	115	0	20	0	662	9	654
			COLUMN TOTALS	662	6			

NOTES:

1) CUT: CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2) SALVAGED/UNUSABLE PAVEMENT MATERIAL: THIS IS NOT SHOWN IN THE CROSS SECTIONS
3) FILL: FILL DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL
4) MASS ORDINATE: MASS ORDINATE = (CUT - SALVAGED/UNUSABLE PAVEMENT MATERIAL) - (FILL * FILL FACTOR)

HOEL AVE (A4)								
		AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
STATION	DISTANCE	CUT	FILL	CUT NOTE 1	FILL NOTE 3	CUT 1.00 NOTE 1	EXPANDED FILL 1.33	MASS ORDINATE NOTE 4
10+00.00		25	0	0	0	0	0	0
10+20.00	20	26	0	19	0	19	0	19
10+50.00	30	33	0	32	0	51	0	51
11+00.00	50	39	0	66	0	117	0	117
11+50.00	50	61	2	93	2	210	3	207
12+00.00	50	59	1	111	3	321	7	315
12+50.00	50	26	51	79	48	400	70	330
12+58.51	9	23	58	8	17	408	93	315
			COLUMN TOTALS	408	70			

NOTES:

1) CUT: CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2) SALVAGED/UNUSABLE PAVEMENT MATERIAL: THIS IS NOT SHOWN IN THE CROSS SECTIONS
3) FILL: FILL DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL
4) EXPANDED EBS BACKFILL: THIS IS TO BE FILLED WITH SELECT CRUSHED MATERIAL . EBS BACKFILL EXPANSION FACTOR = 1.30

SILVERADO DRIVE (A7)								
		AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
STATION	DISTANCE	CUT	FILL	CUT NOTE 1	FILL NOTE 3	CUT 1.00 NOTE 1	EXPANDED FILL 1.33	MASS ORDINATE NOTE 4
10+00.00		20	1	0	0	0	0	0
10+50.00	50	18	0	35	1	35	2	34
11+00.00	50	31	0	45	1	80	3	77
11+50.00	50	20	0	47	1	127	3	123
12+00.00	50	25	0	42	0	168	4	165
12+48.37	48	0	43	22	39	191	55	136
			COLUMN TOTALS	191	42			

NOTES:

1) CUT: CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2) SALVAGED/UNUSABLE PAVEMENT MATERIAL: THIS IS NOT SHOWN IN THE CROSS SECTIONS
3) FILL: FILL DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL
4) MASS ORDINATE: MASS ORDINATE = (CUT - SALVAGED/UNUSABLE PAVEMENT MATERIAL) - (FILL * FILL FACTOR)

9

9

PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	EARTHWORK - A4 (HOEL AVE) & A7 (SILVERADO DRIVE)	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\090101_EW.DWG
LAYOUT NAME - 090104_ew

PLOT DATE : 9/1/2020 7:31 AM PLOT BY : BECKER, ELISA PLOT NAME : PLOT SCALE : USE THIS

SILVERADO DRIVE (A8)								
		AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
STATION	DISTANCE	CUT	FILL	CUT NOTE 1	FILL NOTE 3	CUT 1.00 NOTE 1	EXPANDED FILL 1.33	MASS ORDINATE NOTE 4
11+27.40		41	0	0	0	0	0	0
11+50.00	23	74	0	48	0	48	0	48
12+00.00	50	67	0	130	0	178	0	177
12+50.00	50	94	16	149	15	327	20	304
12+60.16	10	81	38	33	10	360	34	321
			COLUMN TOTALS	360	25			

NOTES:

1) CUT: CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2) SALVAGED/UNUSABLE PAVEMENT MATERIAL: THIS IS NOT SHOWN IN THE CROSS SECTIONS
3) FILL: FILL DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL
4) EXPANDED EBS BACKFILL: THIS IS TO BE FILLED WITH SELECT CRUSHED MATERIAL . EBS BACKFILL EXPANSION FACTOR = 1.30

B1								
		AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
STATION	DISTANCE	CUT	FILL	CUT NOTE 1	FILL NOTE 3	CUT 1.00 NOTE 1	EXPANDED FILL 1.33	MASS ORDINATE NOTE 4
10+00.00		131	39	0	0	0	0	0
10+50.00	50	152	38	262	71	262	94	168
11+00.00	50	261	31	382	64	644	179	465
11+50.00	50	351	34	566	60	1,210	259	951
12+00.00	50	108	44	425	72	1,635	355	1,280
12+50.00	50	66	375	161	388	1,796	871	925
13+00.00	50	70	316	126	640	1,922	1,722	200
13+50.00	50	59	42	120	332	2,041	2,163	-122
13+67.57	18	131	39	62	26	2,103	2,198	-95
			COLUMN TOTALS	2,103	1,653			

NOTES:

1) CUT: CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2) SALVAGED/UNUSABLE PAVEMENT MATERIAL: THIS IS NOT SHOWN IN THE CROSS SECTIONS
3) FILL: FILL DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL
4) MASS ORDINATE: MASS ORDINATE = (CUT - SALVAGED/UNUSABLE PAVEMENT MATERIAL) - (FILL * FILL FACTOR)

STH 138 BYPASS LANE (B2)								
		AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
STATION	DISTANCE	CUT	FILL	CUT NOTE 1	FILL NOTE 3	CUT 1.00 NOTE 1	EXPANDED FILL 1.33	MASS ORDINATE NOTE 4
10+50.00		99	79	0	0	0	0	0
11+00.00	50	258	0	331	73	331	97	234
11+50.00	50	534	0	733	0	1,064	97	967
12+00.00	50	589	0	1,040	0	2,104	97	2,007
12+50.00	50	550	0	1,055	0	3,159	97	3,062
13+00.00	50	441	0	918	0	4,077	97	3,980
			COLUMN TOTALS	4,077	73			

NOTES:

1) CUT: CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2) SALVAGED/UNUSABLE PAVEMENT MATERIAL: THIS IS NOT SHOWN IN THE CROSS SECTIONS
3) FILL: FILL DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL
4) MASS ORDINATE: MASS ORDINATE = (CUT - SALVAGED/UNUSABLE PAVEMENT MATERIAL) - (FILL * FILL FACTOR)

STH 138 (B3)								
		AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
STATION	DISTANCE	CUT	FILL	CUT NOTE 1	FILL NOTE 3	CUT 1.00 NOTE 1	EXPANDED FILL 1.33	MASS ORDINATE NOTE 4
8+31.00		33	0	0	0	0	0	0
8+50.00	19	25	0	20	0	20	0	20
9+00.00	50	23	0	44	0	64	0	64
9+50.00	50	23	0	42	0	107	0	107
10+00.00	50	182	10	190	9	296	12	284
10+50.00	50	303	5	449	13	746	29	716
11+00.00	50	467	0	713	4	1,459	35	1,423
11+20.00	20	580	0	388	0	1,846	35	1,811
11+50.00	30	370	0	527	0	2,374	35	2,338
12+00.00	50	455	33	763	30	3,137	76	3,061
12+50.00	50	51	70	468	95	3,605	203	3,403
13+00.00	50	62	230	105	278	3,710	572	3,138
13+50.00	50	99	22	149	233	3,858	882	2,977
13+80.65	31	193	0	165	13	4,024	898	3,126
			COLUMN TOTALS	4,024	675			

1) CUT: CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2) SALVAGED/UNUSABLE PAVEMENT MATERIAL: THIS IS NOT SHOWN IN THE CROSS SECTIONS
3) FILL: FILL DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL
4) EXPANDED EBS BACKFILL: THIS IS TO BE FILLED WITH SELECT CRUSHED MATERIAL . EBS BACKFILL EXPANSION FACTOR = 1.30

STH 138 (B4)		AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
STATION	DISTANCE	CUT	FILL	CUT NOTE 1	FILL NOTE 3	CUT 1.00 NOTE 1	EXPANDED FILL 1.33	MASS ORDINATE NOTE 4
13+00.00		0	194	0	0	0	0	0
13+50.00	50	0	220	0	384	0	510	-510
13+79.72	30	0	114	0	184	0	755	-755
			COLUMN TOTALS	0	568			

NOTES:

1) CUT: CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2) SALVAGED/UNUSABLE PAVEMENT MATERIAL: THIS IS NOT SHOWN IN THE CROSS SECTIONS
3) FILL: FILL DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL
4) MASS ORDINATE: MASS ORDINATE = (CUT - SALVAGED/UNUSABLE PAVEMENT MATERIAL) - (FILL * FILL FACTOR)

MCCOMB ROAD		AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
STATION	DISTANCE	CUT	FILL	CUT NOTE 1	FILL NOTE 3	CUT 1.00 NOTE 1	EXPANDED FILL 1.33	MASS ORDINATE NOTE 4
10+25.00		44	1	0	0	0	0	0
10+50.00	25	40	1	39	1	39	2	37
11+00.00	50	40	0	74	1	113	4	109
11+47.51	48	38	1	68	1	181	5	176
			COLUMN TOTALS	181	4			

NOTES:

1) CUT: CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2) SALVAGED/UNUSABLE PAVEMENT MATERIAL: THIS IS NOT SHOWN IN THE CROSS SECTIONS
3) FILL: FILL DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL
4) MASS ORDINATE: MASS ORDINATE = (CUT - SALVAGED/UNUSABLE PAVEMENT MATERIAL) - (FILL * FILL FACTOR)

HOIBY ROAD								
		AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
STATION	DISTANCE	CUT	FILL	CUT NOTE 1	FILL NOTE 3	CUT 1.00 NOTE 1	EXPANDED FILL 1.33	MASS ORDINATE NOTE 4
10+26.90		22	4	0	0	0	0	0
10+50.00	23	11	4	14	3	14	5	10
11+00.00	50	8	36	18	37	33	54	-22
11+50.00	50	11	59	18	88	50	171	-121
12+00.00	50	27	24	35	77	85	273	-188
12+50.00	50	28	0	51	22	136	303	-167
12+64.64	15	28	0	15	0	151	303	-152
			COLUMN TOTALS	151	228			

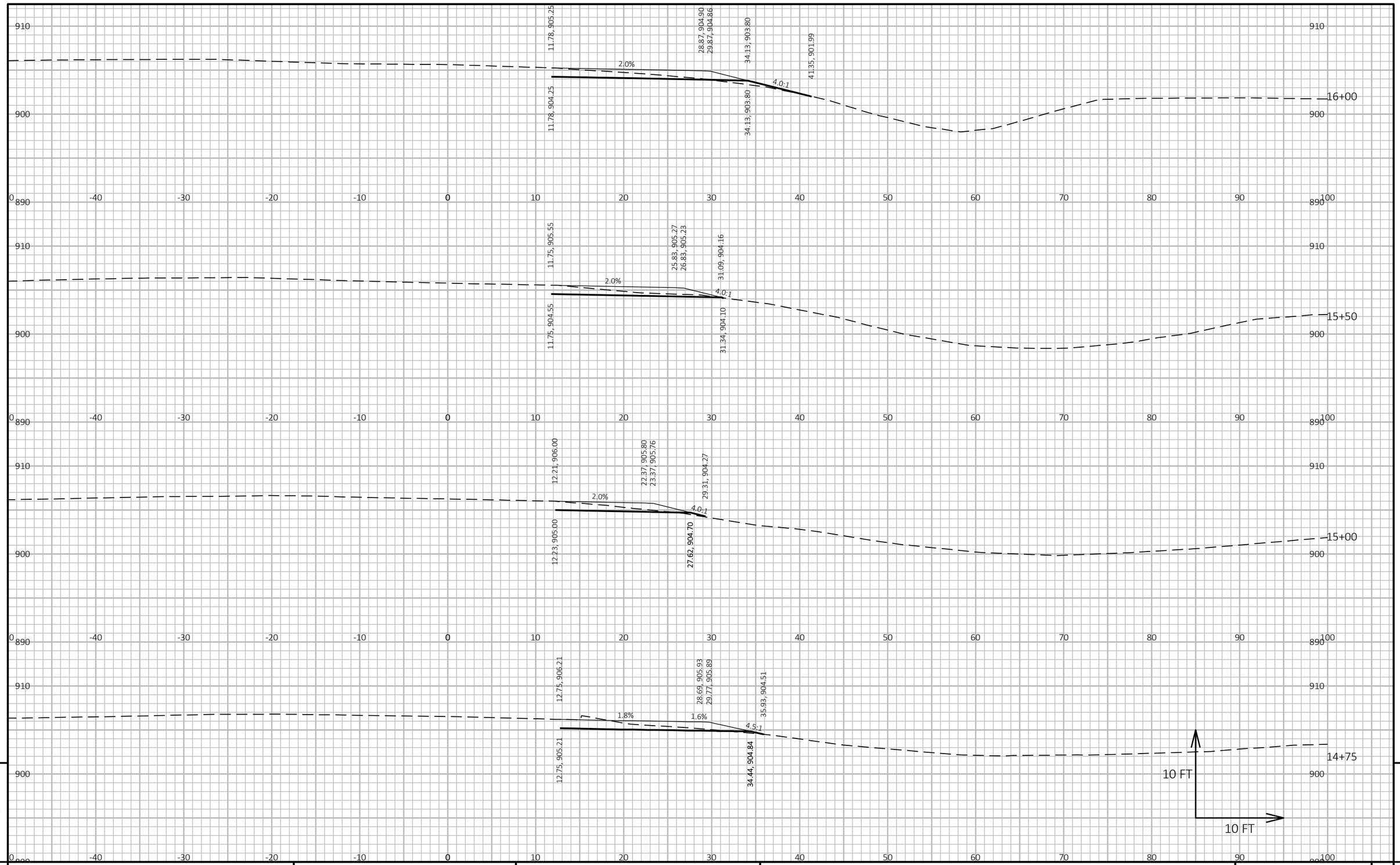
NOTES:
1) CUT: CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2) SALVAGED/UNUSABLE PAVEMENT MATERIAL: THIS IS NOT SHOWN IN THE CROSS SECTIONS
3) FILL: FILL DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL
4) MASS ORDINATE: MASS ORDINATE = (CUT - SALVAGED/UNUSABLE PAVEMENT MATERIAL) - (FILL * FILL FACTOR)

EXISTING NB USH 51								
		AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
STATION	DISTANCE	CUT	FILL	CUT NOTE 1	FILL NOTE 3	CUT 1.00 NOTE 1	EXPANDED FILL 1.33	MASS ORDINATE NOTE 4
14+75.00		12	0	0	0	0	0	0
15+00.00	25	7	0	9	0	9	0	8
15+50.00	50	9	0	15	0	24	1	23
16+00.00	50	10	2	18	2	42	4	38
16+50.00	50	9	32	18	31	60	45	14
17+00.00	50	10	40	17	67	77	134	-58
17+50.00	50	9	49	17	83	94	244	-150
18+00.00	50	7	53	15	94	109	369	-260
18+50.00	50	7	18	14	65	123	456	-333
19+00.00	50	8	5	14	7	137	465	-328
19+50.00	50	8	0	15	4	152	471	-319
19+83.68	34	0	0	5	0	157	471	-314
			COLUMN TOTALS	157	354			

NOTES:
1) CUT: CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2) SALVAGED/UNUSABLE PAVEMENT MATERIAL: THIS IS NOT SHOWN IN THE CROSS SECTIONS
3) FILL: FILL DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL
4) MASS ORDINATE: MASS ORDINATE = (CUT - SALVAGED/UNUSABLE PAVEMENT MATERIAL) - (FILL * FILL FACTOR)

PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	EARTHWORK - HOIBY ROAD & EXISTING NB USH 51	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\090101_EW.DWG
LAYOUT NAME - 090108_ew
PLOT DATE : 9/1/2020 7:31 AM PLOT BY : BECKER, ELISA PLOT NAME : PLOT SCALE : USE THIS
WISDOT/CADDS SHEET 42



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PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 1 TEMPORARY WIDENING (ENB)	SHEET E

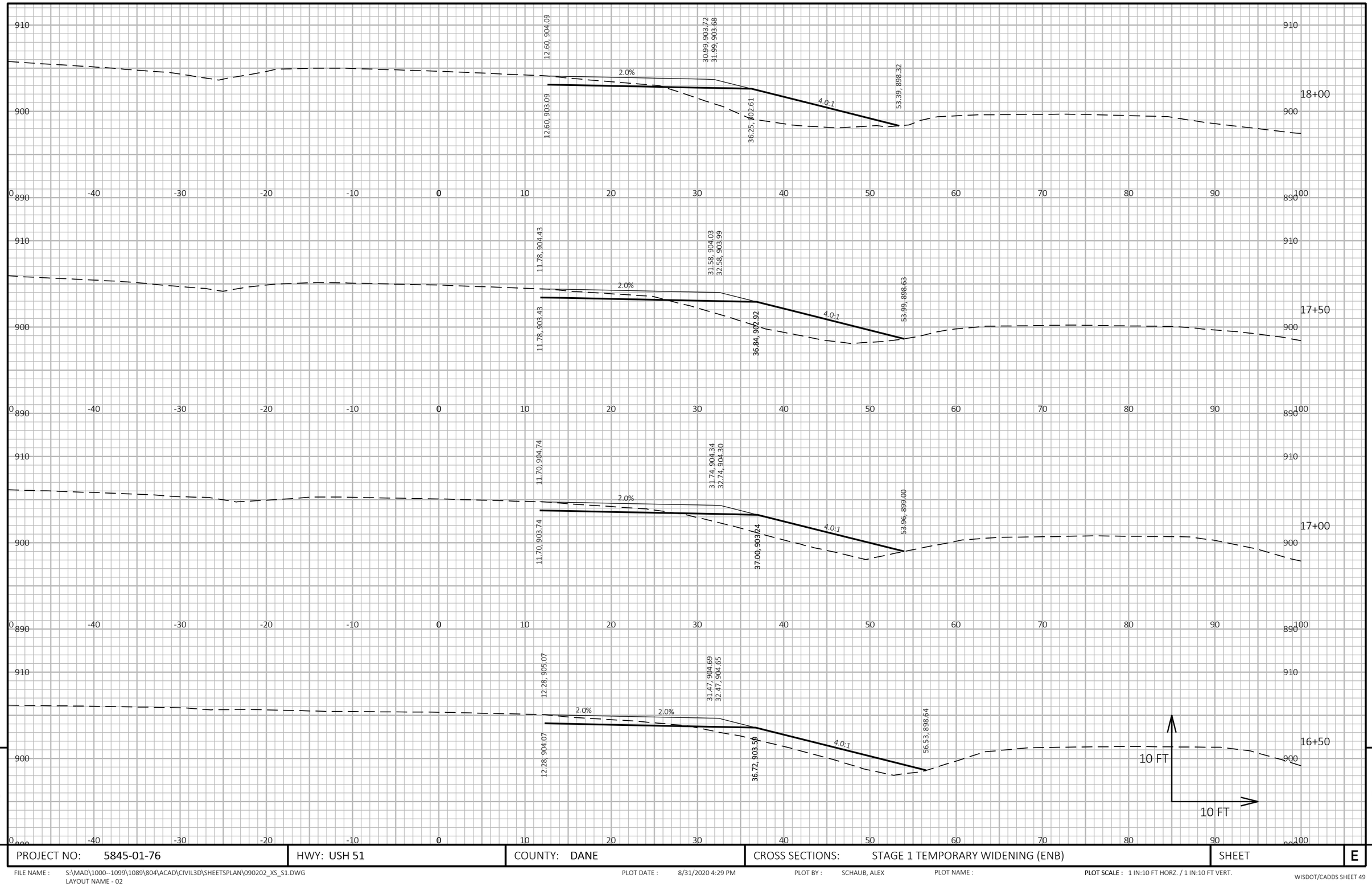
FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\090202_XS_S1.DWG
LAYOUT NAME - 01

PLOT DATE : 8/31/2020 4:29 PM

PLOT BY : SCHAUB, ALEX

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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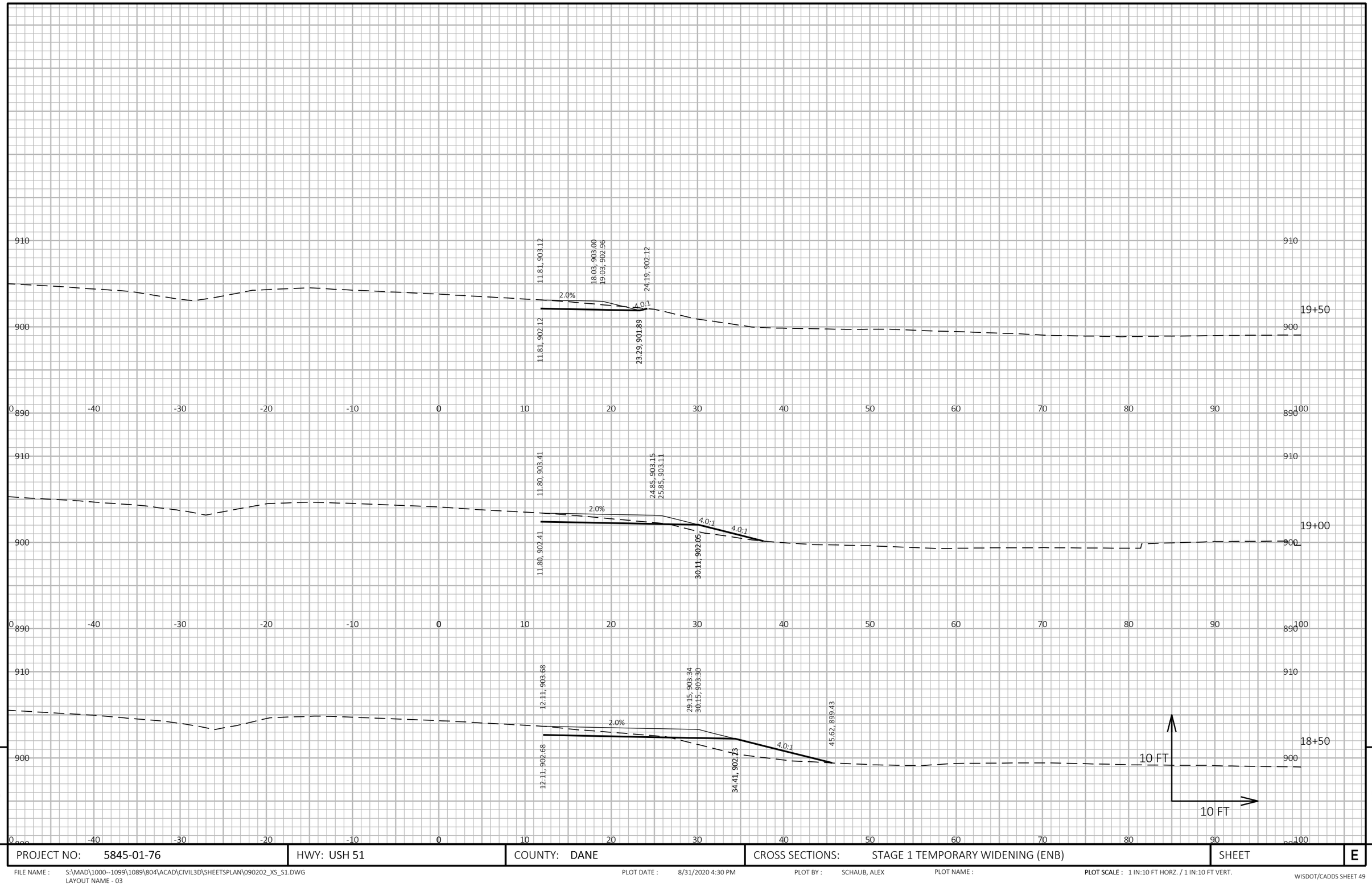
PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 1 TEMPORARY WIDENING (ENB)	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\090202_XS_S1.DWG
LAYOUT NAME - 02

PLOT DATE : 8/31/2020 4:29 PM PLOT BY : SCHAUB, ALEX PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: STAGE 1 TEMPORARY WIDENING (ENB)	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\090202_XS_S1.DWG
LAYOUT NAME - 03

PLOT DATE : 8/31/2020 4:30 PM PLOT BY : SCHAUB, ALEX PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

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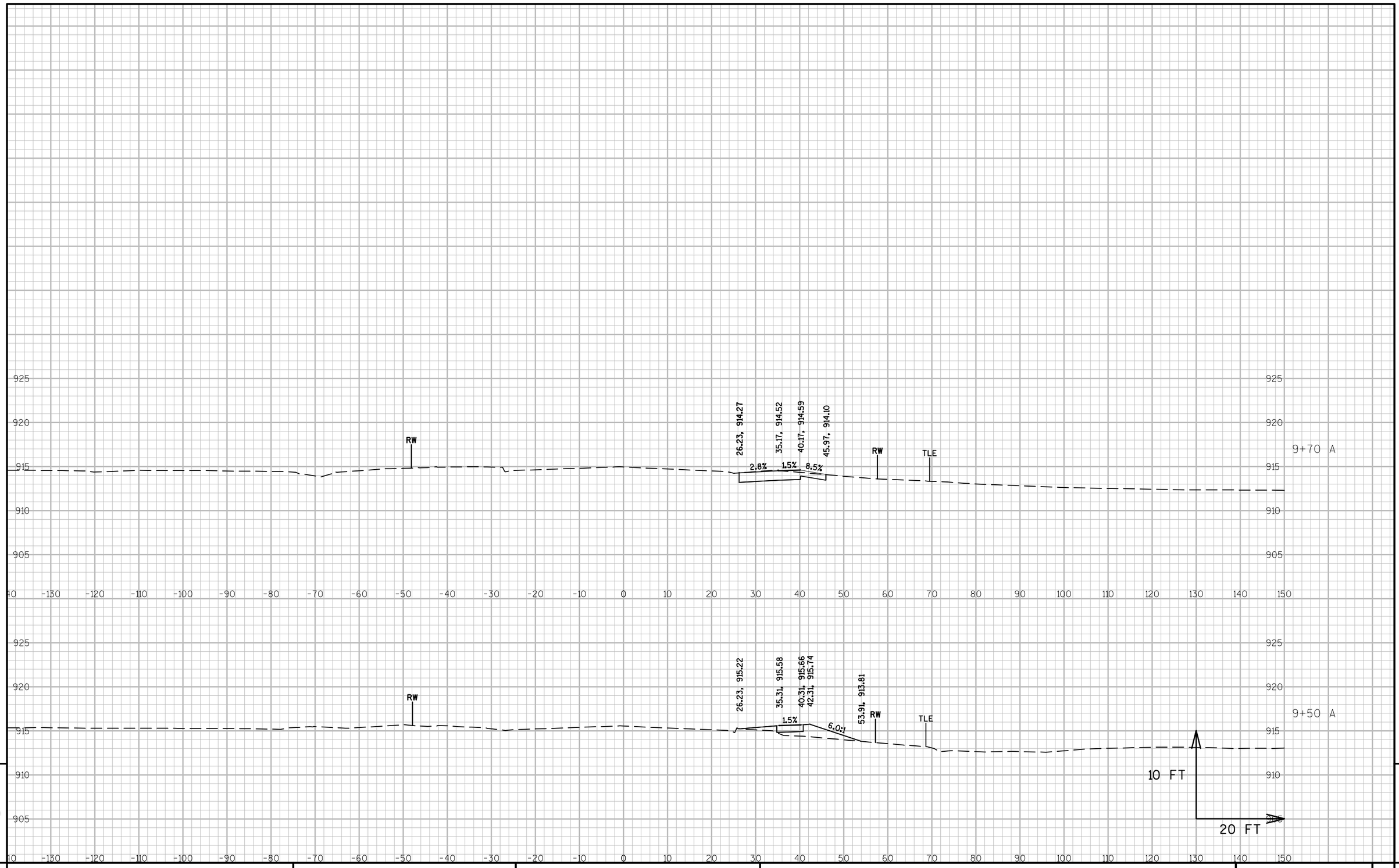
PROJECT NO:5845-01-76	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: USH 51 ALIGNMENT A	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090201_XS (A)

PLOT DATE : 9/1/2020 4:40 PM PLOT BY : LYNCH, CHRIS PLOT NAME : PLOT SCALE : 1 IN:20 FT



PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: USH 51 ALIGNMENT A	SHEET	E

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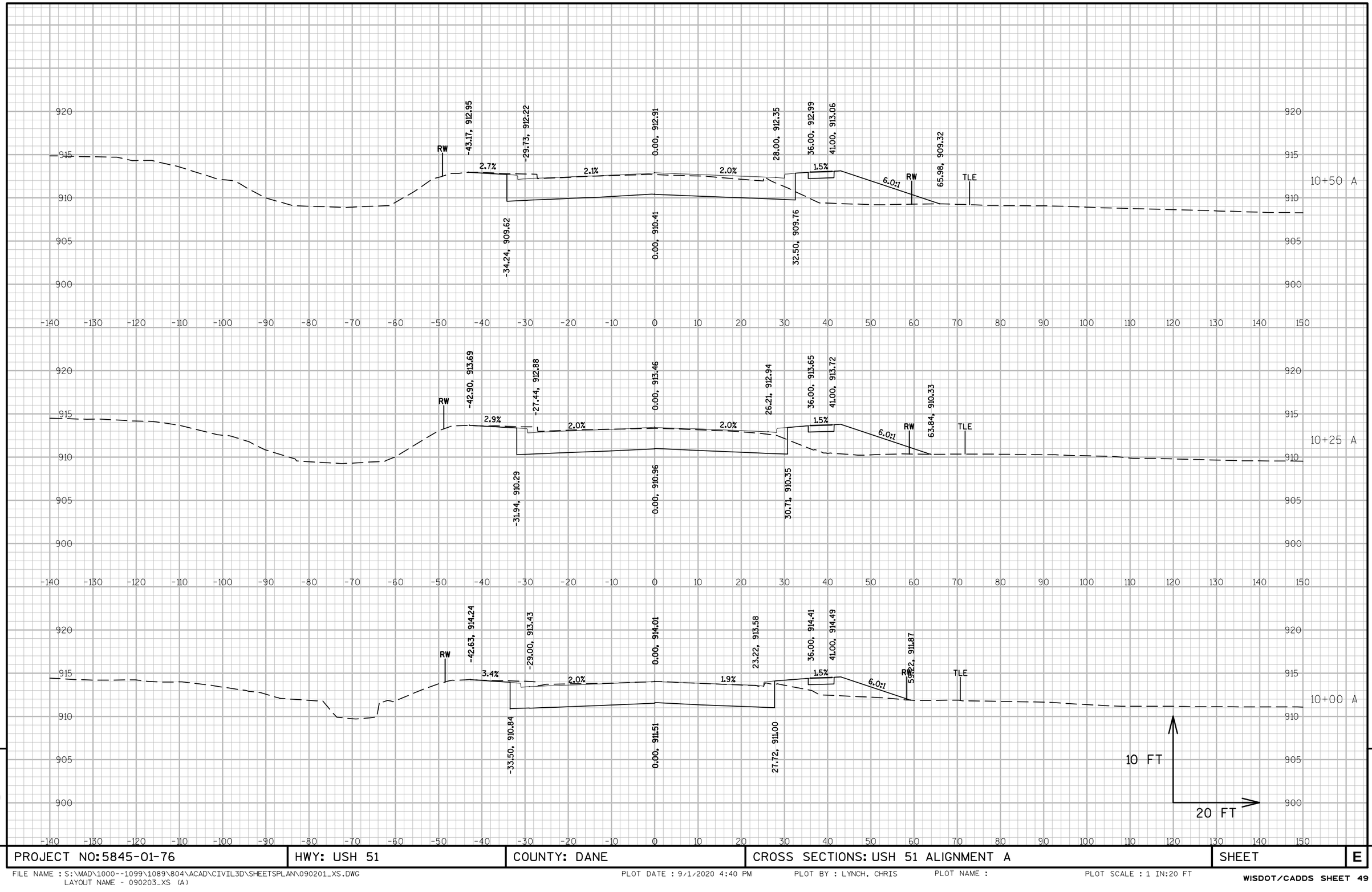
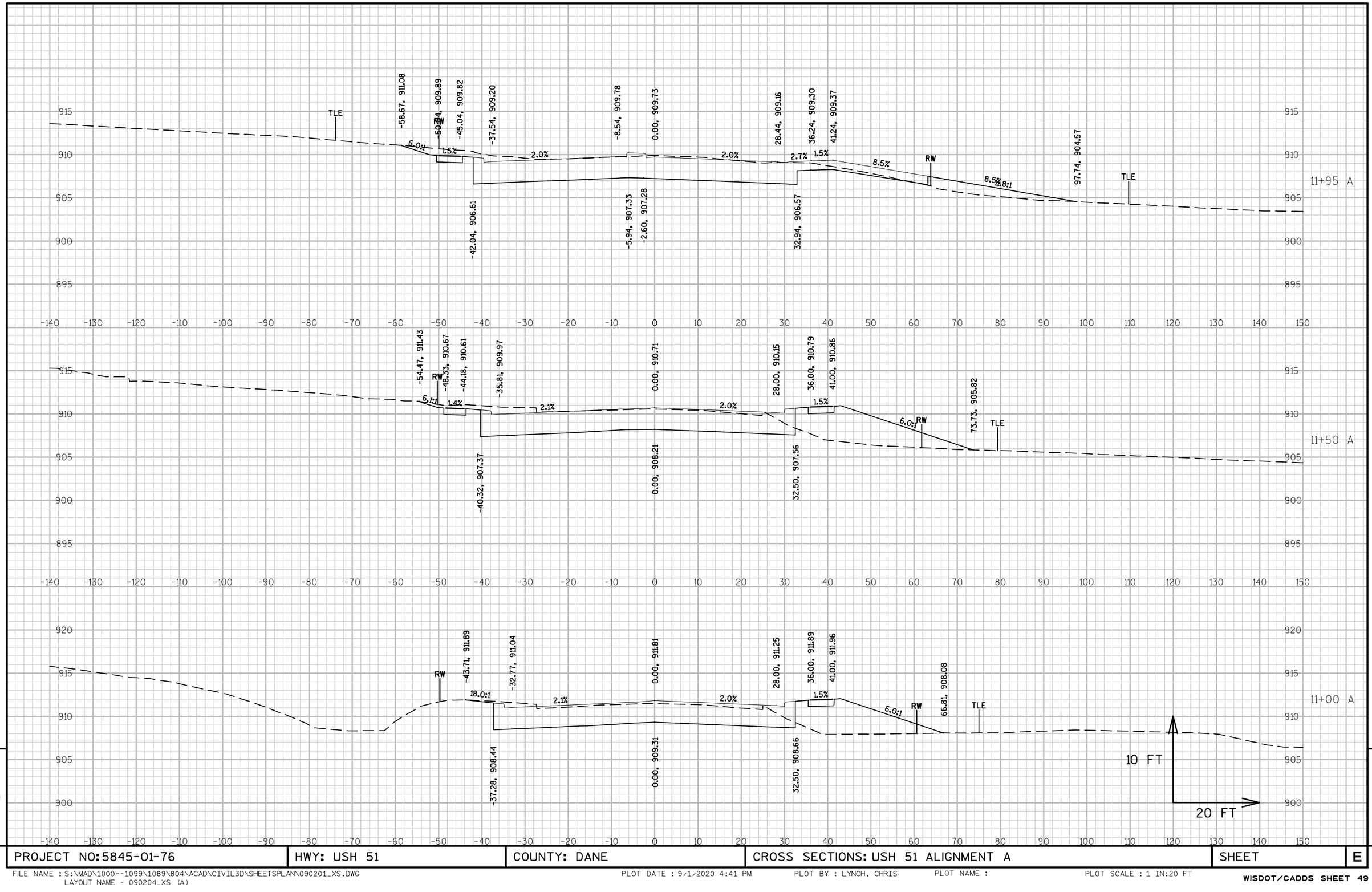
LAYOUT NAME - 090202_XS (A)

PLOT DATE : 9/1/2020 4:40 PM PLOT BY : LYNCH, CHRIS PLOT NAME : PLOT SCALE : 1 IN:20 FT



PROJECT NO:5845-01-76	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: USH 51 ALIGNMENT A	SHEET	E



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PROJECT NO:5845-01-76	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: USH 51 ALIGNMENT A	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\090201_XS.DWG
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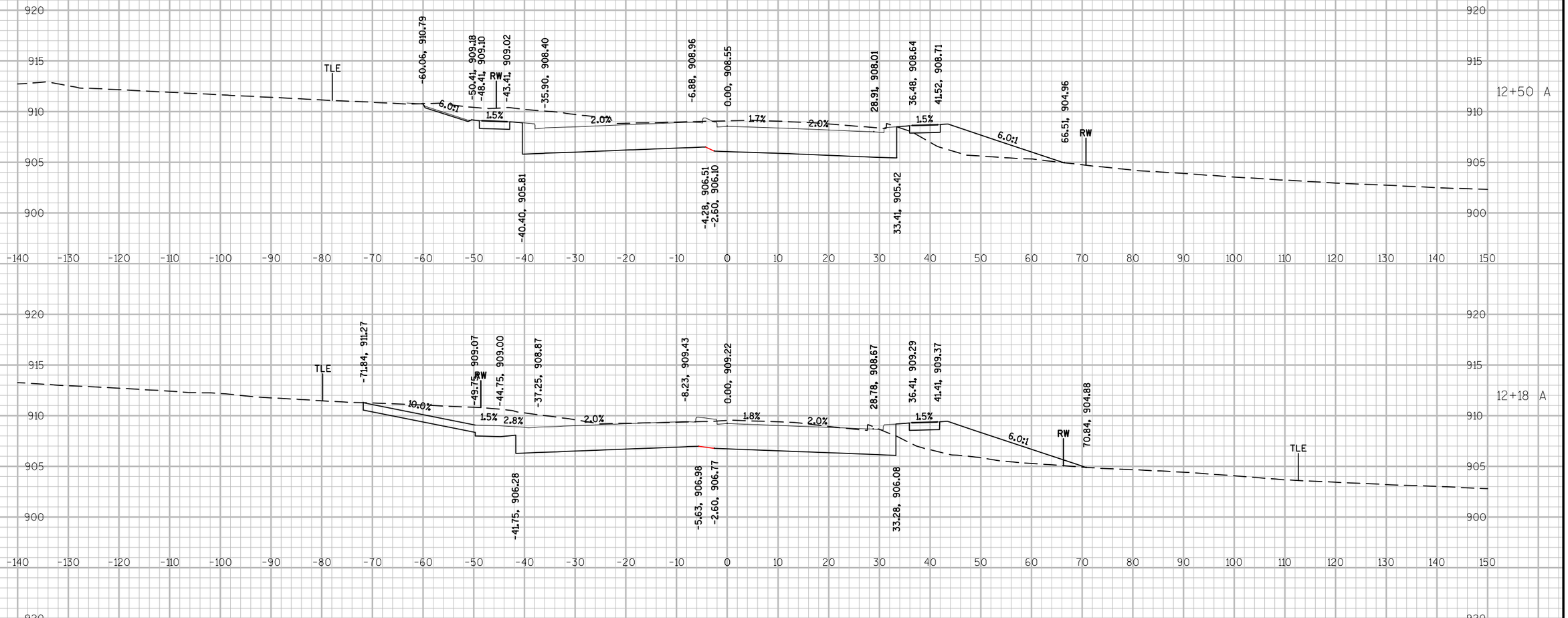
PLOT DATE : 9/1/2020 4:41 PM
PLOT BY : LYNCH, CHRIS
PLOT NAME :
PLOT SCALE : 1 IN:20 FT



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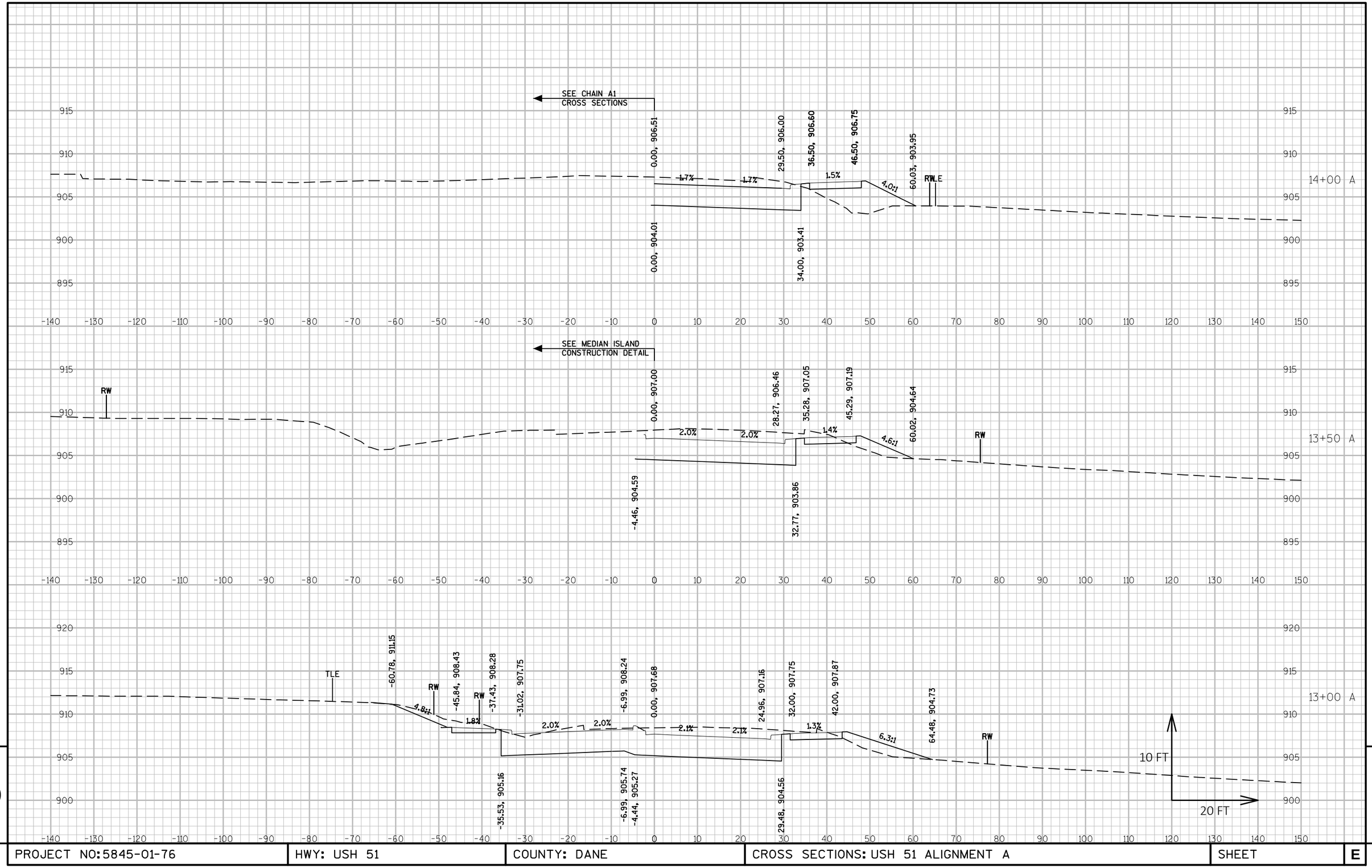
PROJECT NO:5845-01-76	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: USH 51 ALIGNMENT A	SHEET	E

9

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090205_XS (A)

PLOT DATE : 9/1/2020 4:41 PM PLOT BY : LYNCH, CHRIS PLOT NAME : PLOT SCALE : 1 IN:20 FT



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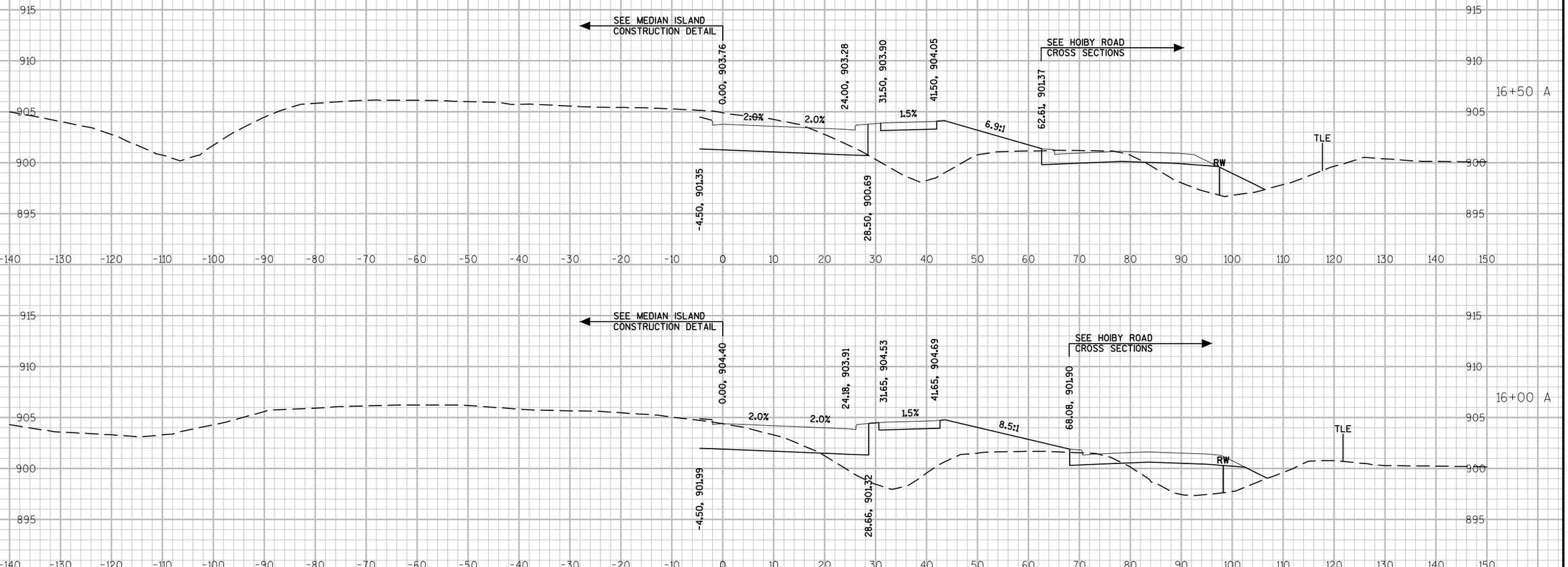
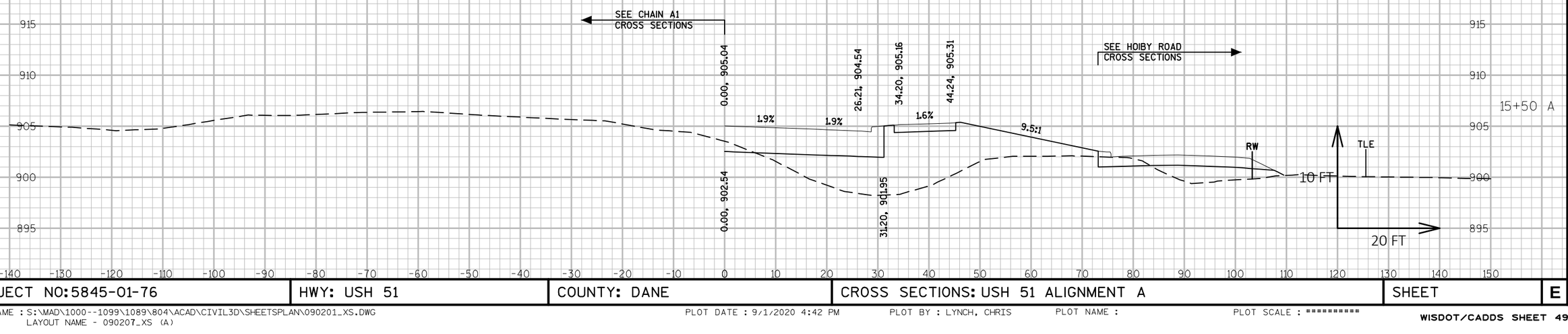
PROJECT NO:5845-01-76	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: USH 51 ALIGNMENT A	SHEET	E





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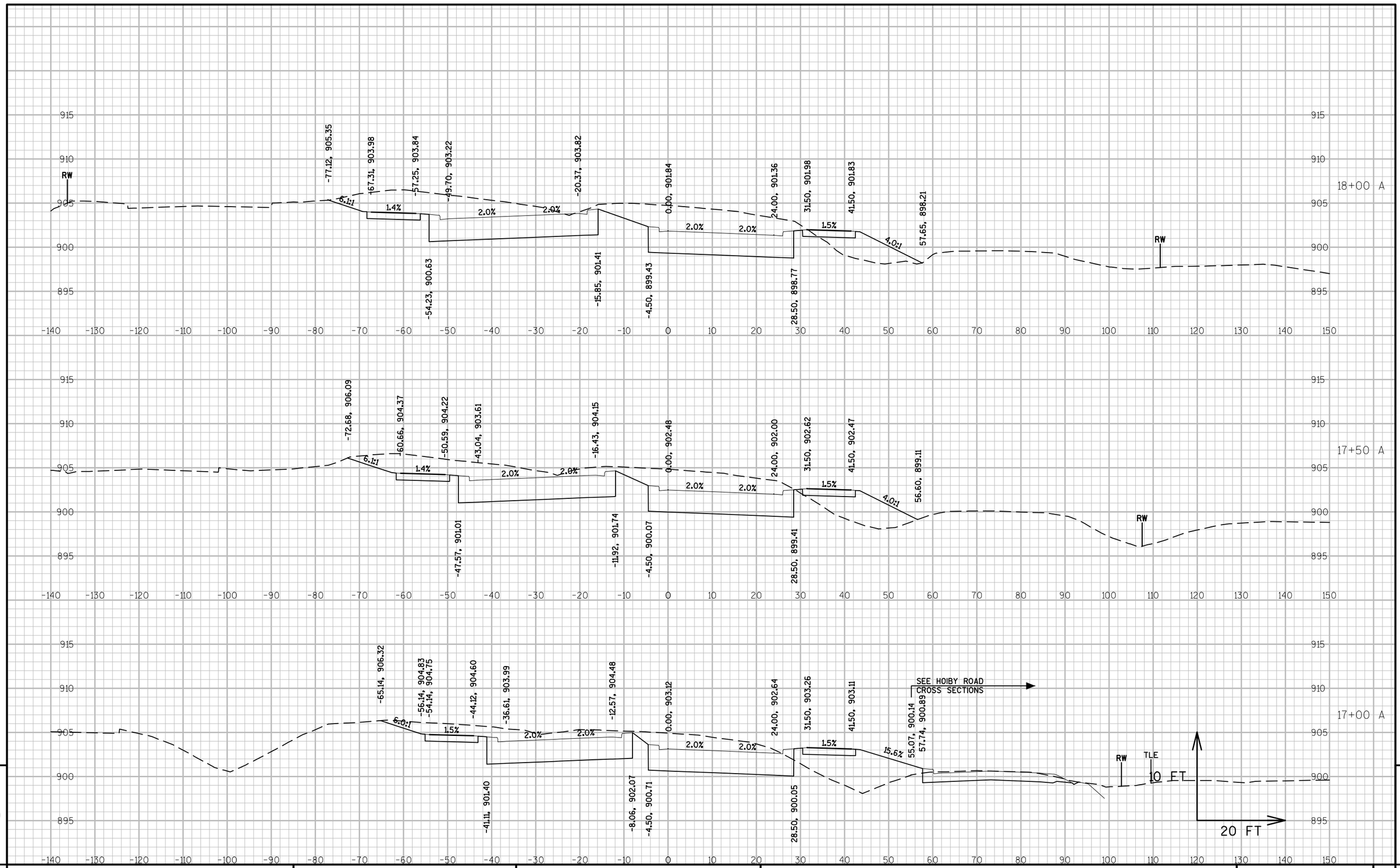
PROJECT NO:5845-01-76	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: USH 51 ALIGNMENT A	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090207_XS (A)

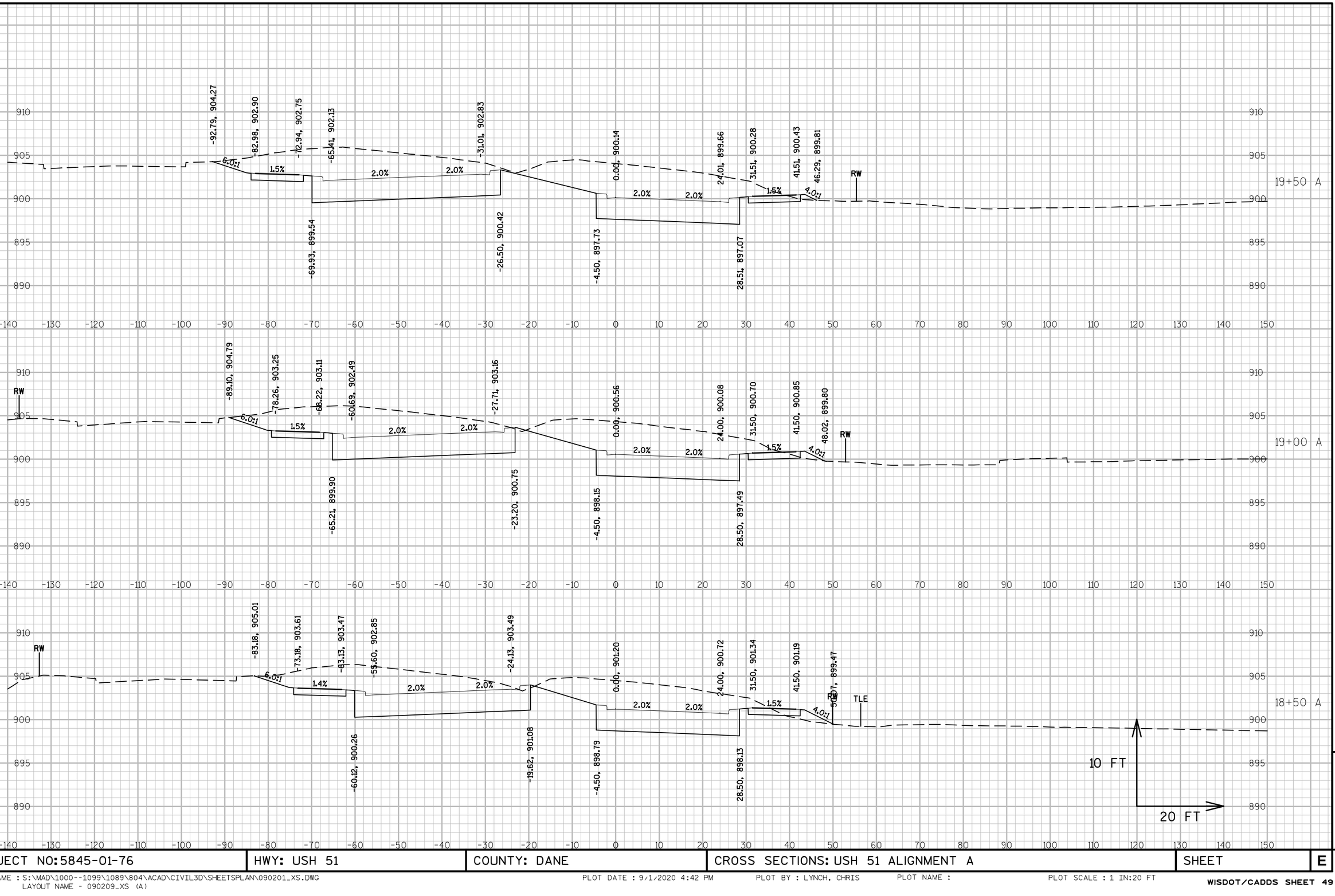
PLOT DATE : 9/1/2020 4:42 PM PLOT BY : LYNCH, CHRIS PLOT NAME : PLOT SCALE : **********



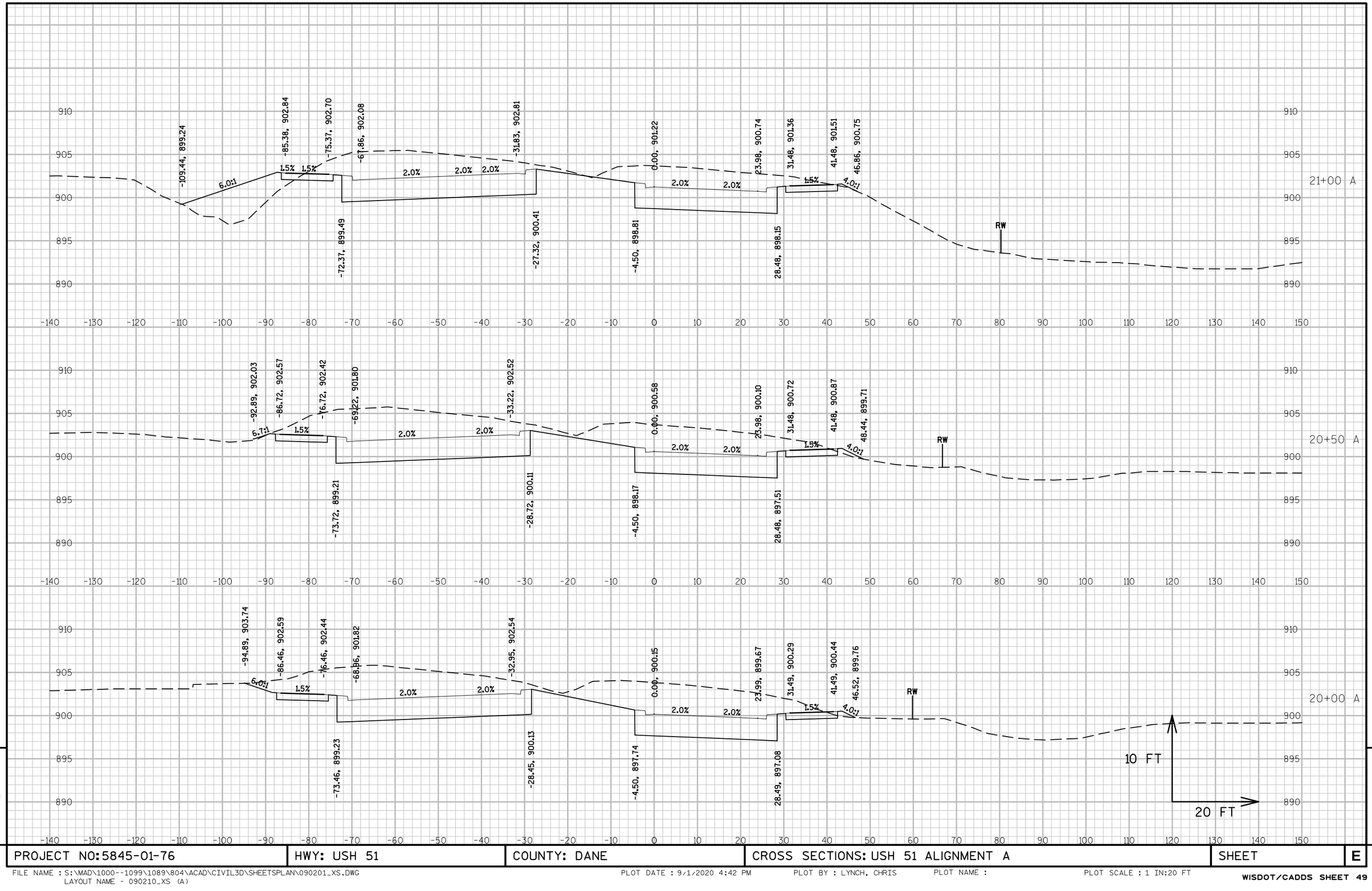
PROJECT NO:5845-01-76	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: USH 51 ALIGNMENT A	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090208_XS (A)

PLOT DATE : 9/1/2020 4:42 PM PLOT BY : LYNCH, CHRIS PLOT NAME : PLOT SCALE : 1 IN:20 FT



PROJECT NO:5845-01-76	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: USH 51 ALIGNMENT A	SHEET	E

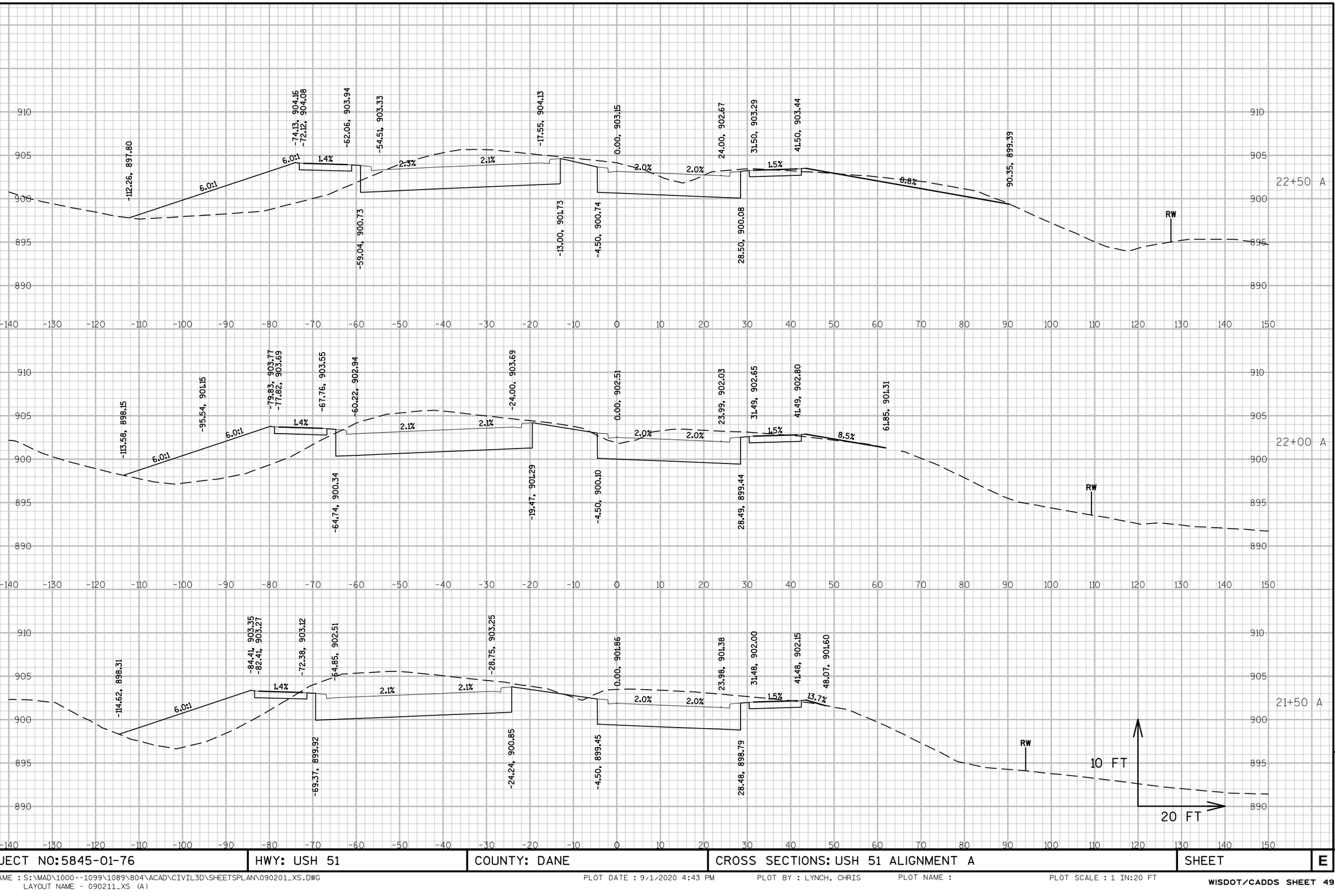


PROJECT NO:5845-01-76	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: USH 51 ALIGNMENT A	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090210_XS (A)

PLOT DATE : 9/1/2020 4:42 PM PLOT BY : LYNCH, CHRIS PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49

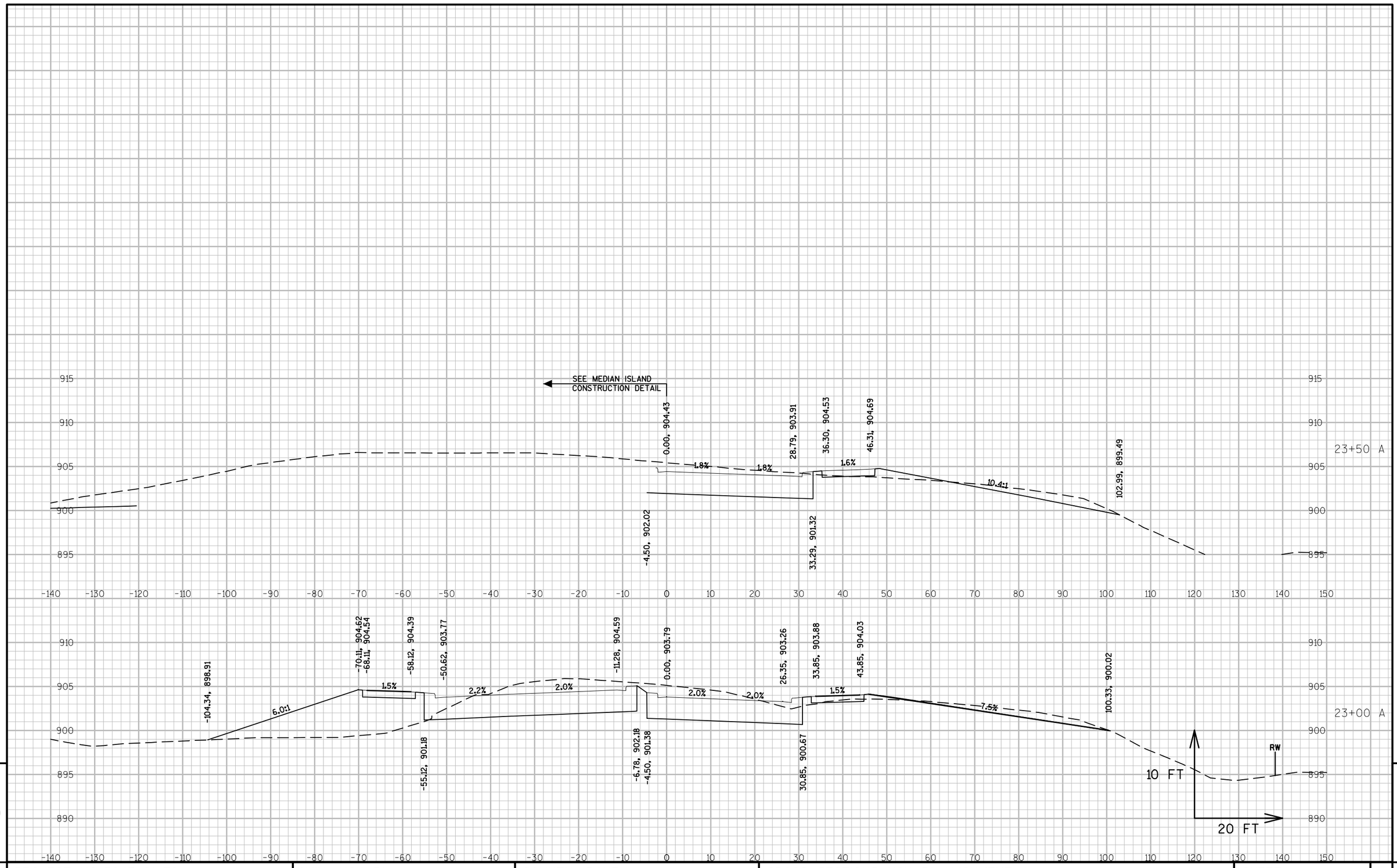


PROJECT NO:5845-01-76	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: USH 51 ALIGNMENT A	SHEET	E

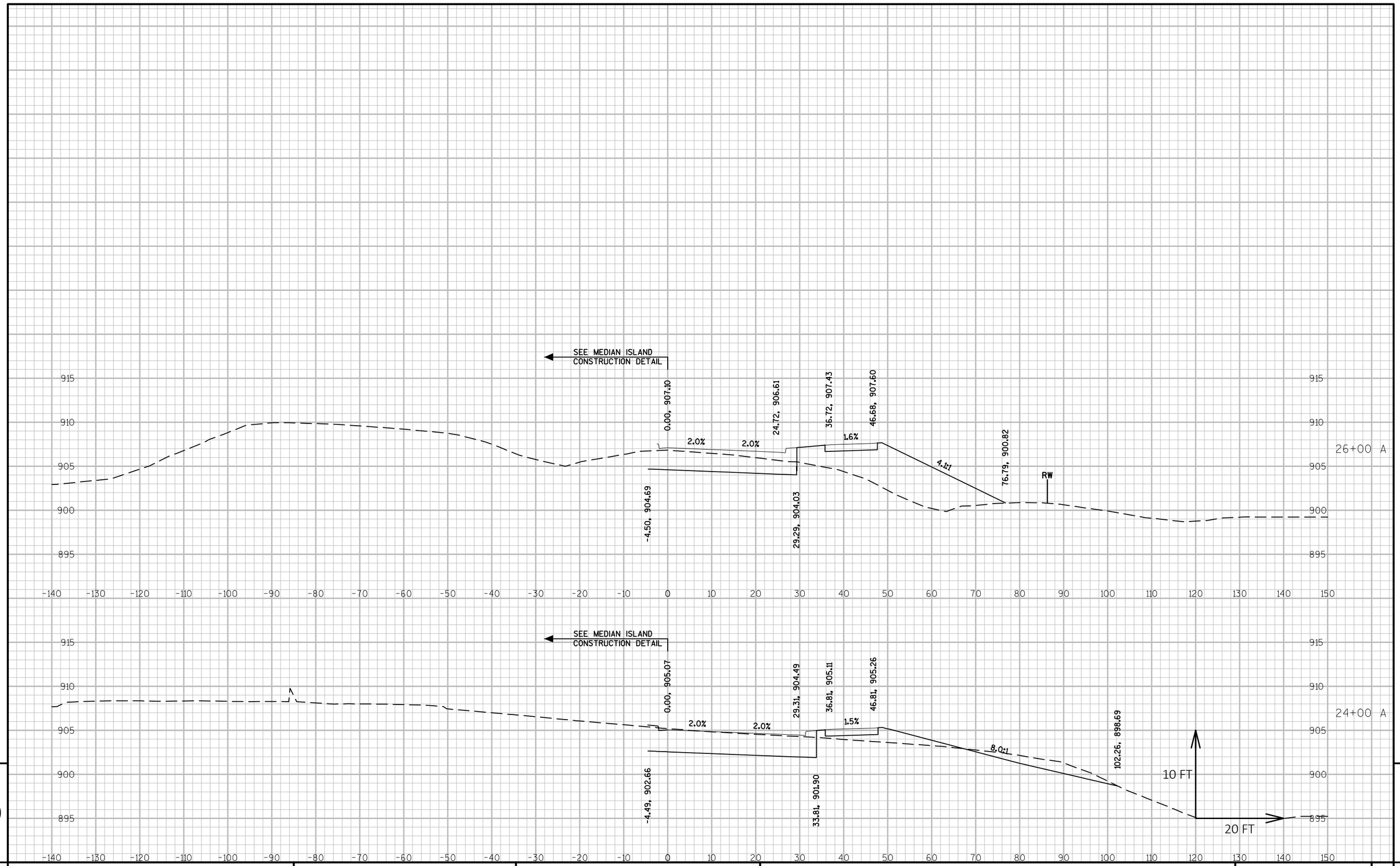
FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090211_XS (A)

PLOT DATE : 9/1/2020 4:43 PM PLOT BY : LYNCH, CHRIS PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: USH 51 ALIGNMENT A	SHEET	E



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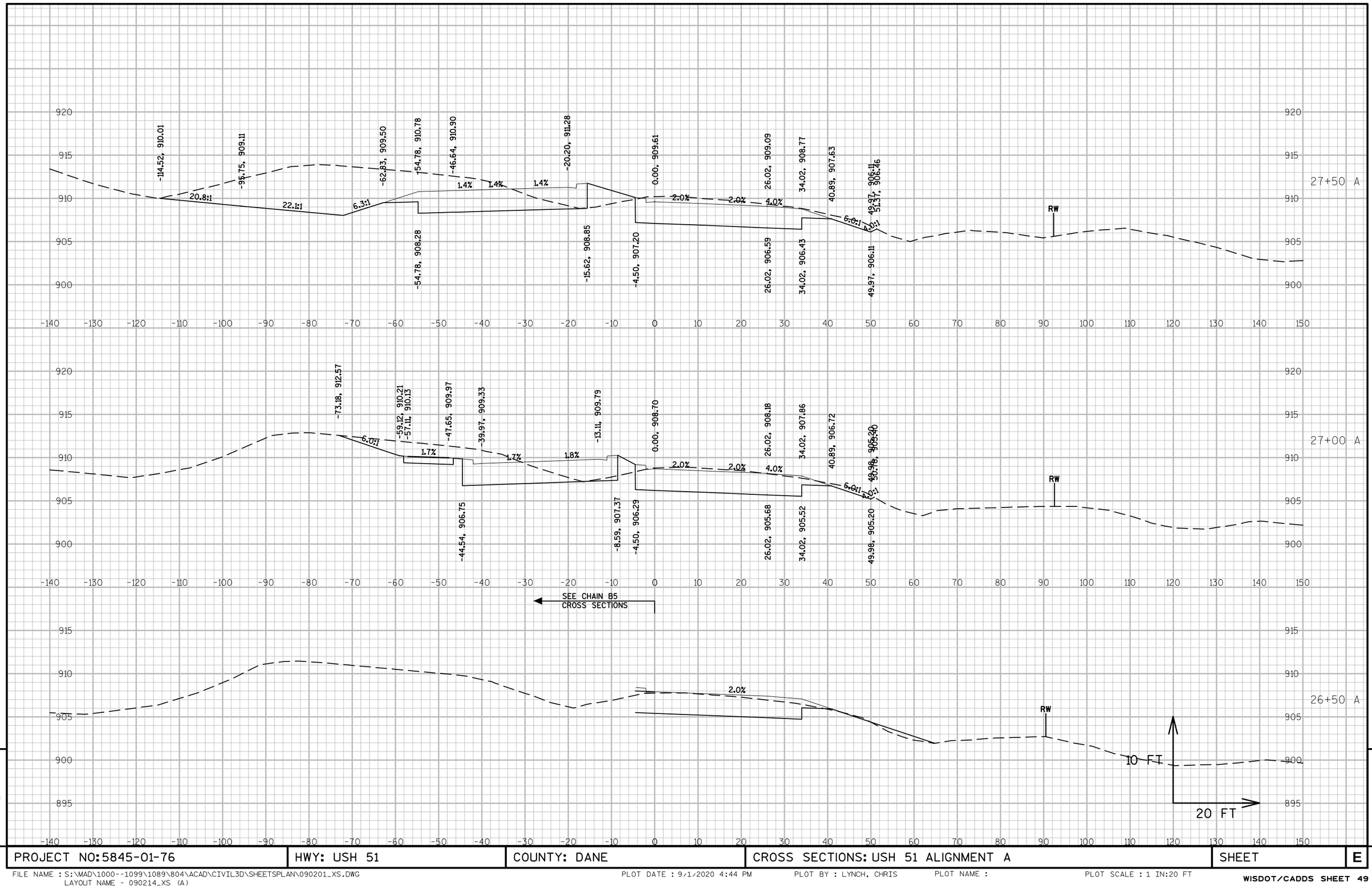
PROJECT NO:5845-01-76	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: USH 51 ALIGNMENT A	SHEET	E

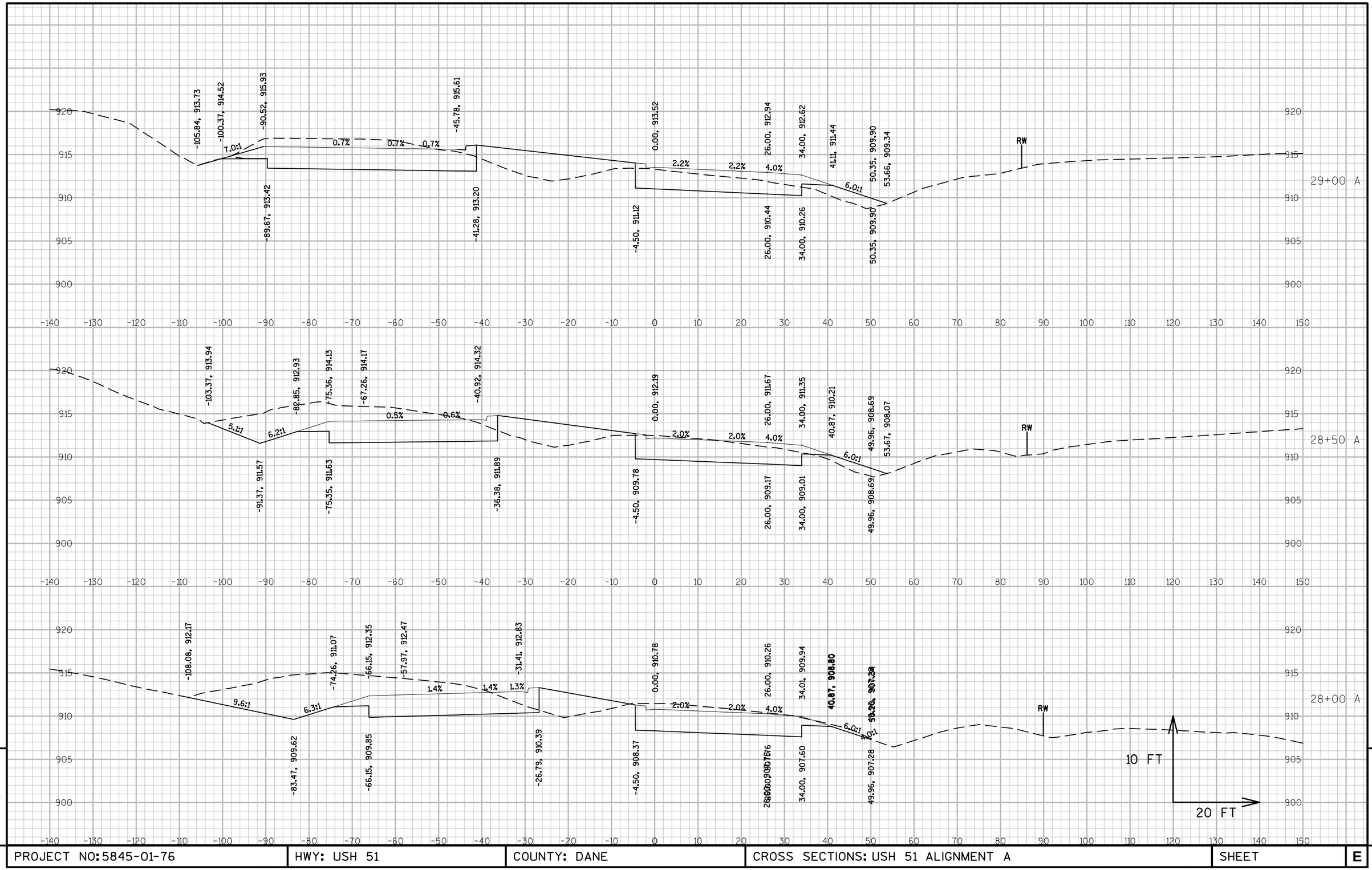
FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090213_XS (A)
PLOT DATE : 9/1/2020 4:43 PM PLOT BY : LYNCH, CHRIS PLOT NAME : PLOT SCALE : **********



PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: USH 51 ALIGNMENT A	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090214_XS (A)

PLOT DATE : 9/1/2020 4:44 PM PLOT BY : LYNCH, CHRIS PLOT NAME : PLOT SCALE : 1 IN:20 FT



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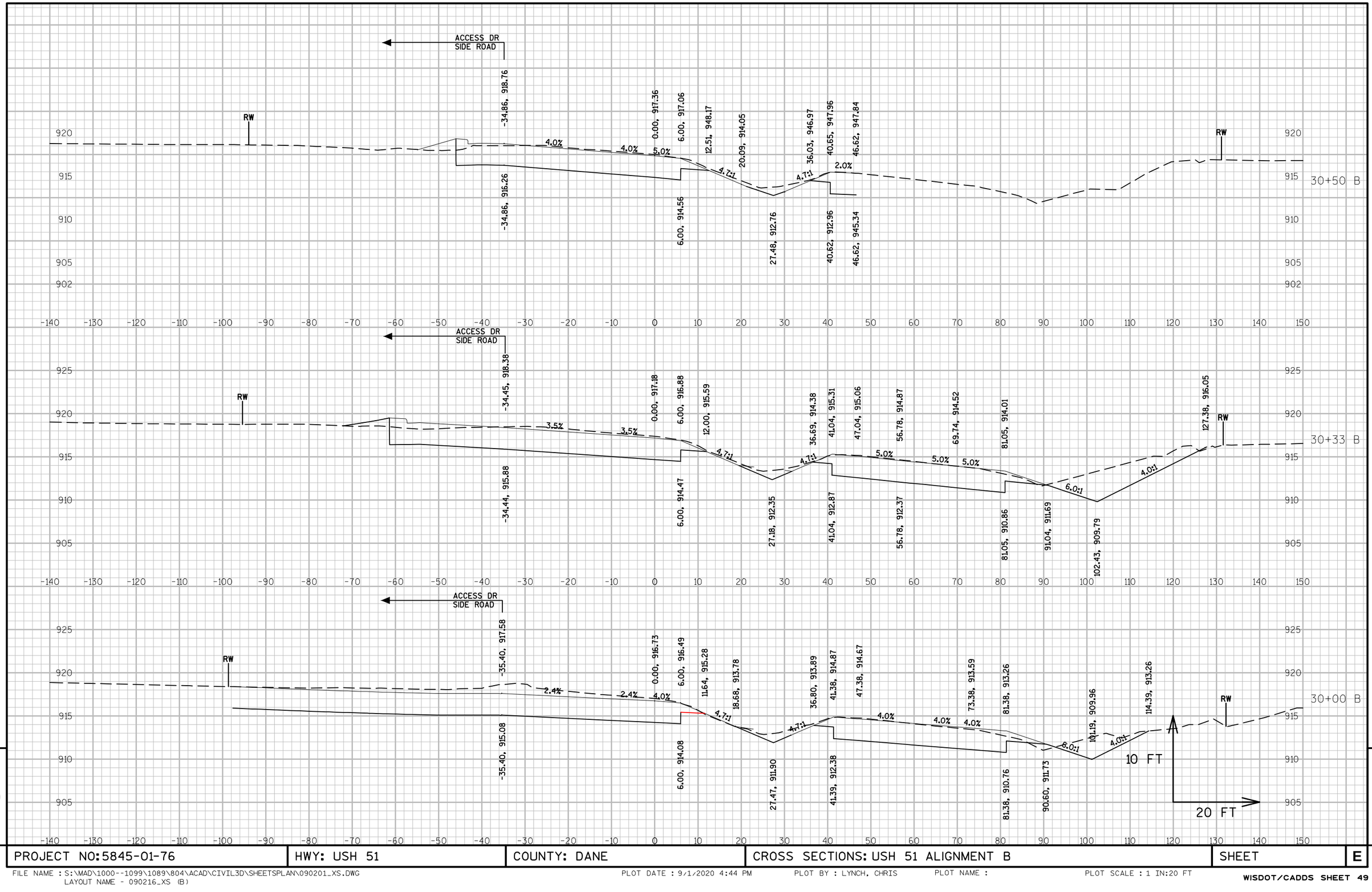
PROJECT NO:5845-01-76	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: USH 51 ALIGNMENT A	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090215_XS (A)

PLOT DATE : 9/1/2020 4:44 PM PLOT BY : LYNCH, CHRIS PLOT NAME : PLOT SCALE : 1 IN:20 FT



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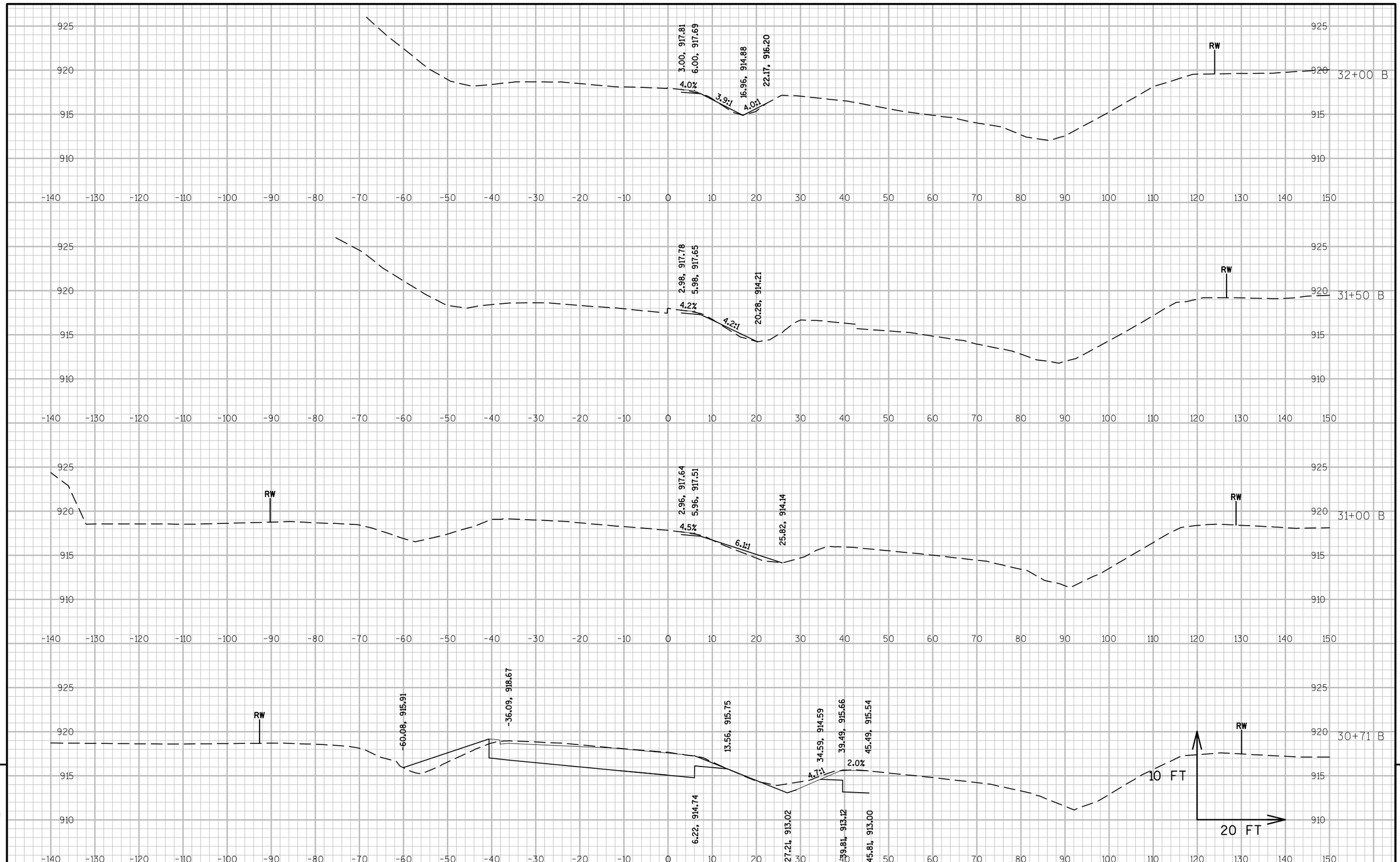
PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: USH 51 ALIGNMENT B	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090216_XS (B)

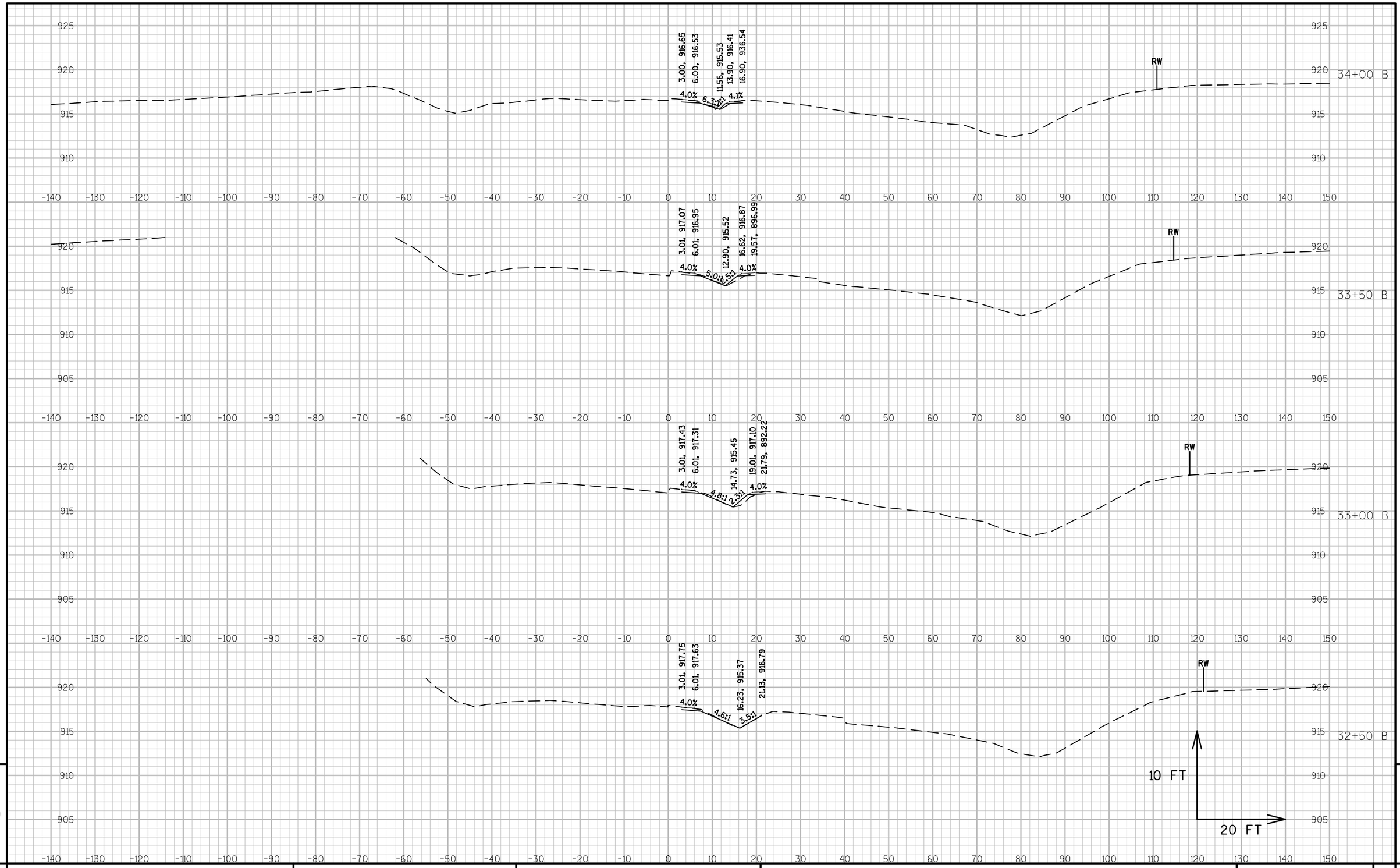
PLOT DATE : 9/1/2020 4:44 PM PLOT BY : LYNCH, CHRIS PLOT NAME : PLOT SCALE : 1 IN:20 FT



PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: USH 51 ALIGNMENT B	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090217_XS (B)

PLOT DATE : 8/31/2020 4:20 PM PLOT BY : SCHAUB, ALEX PLOT NAME : PLOT SCALE : 1 IN:20 FT



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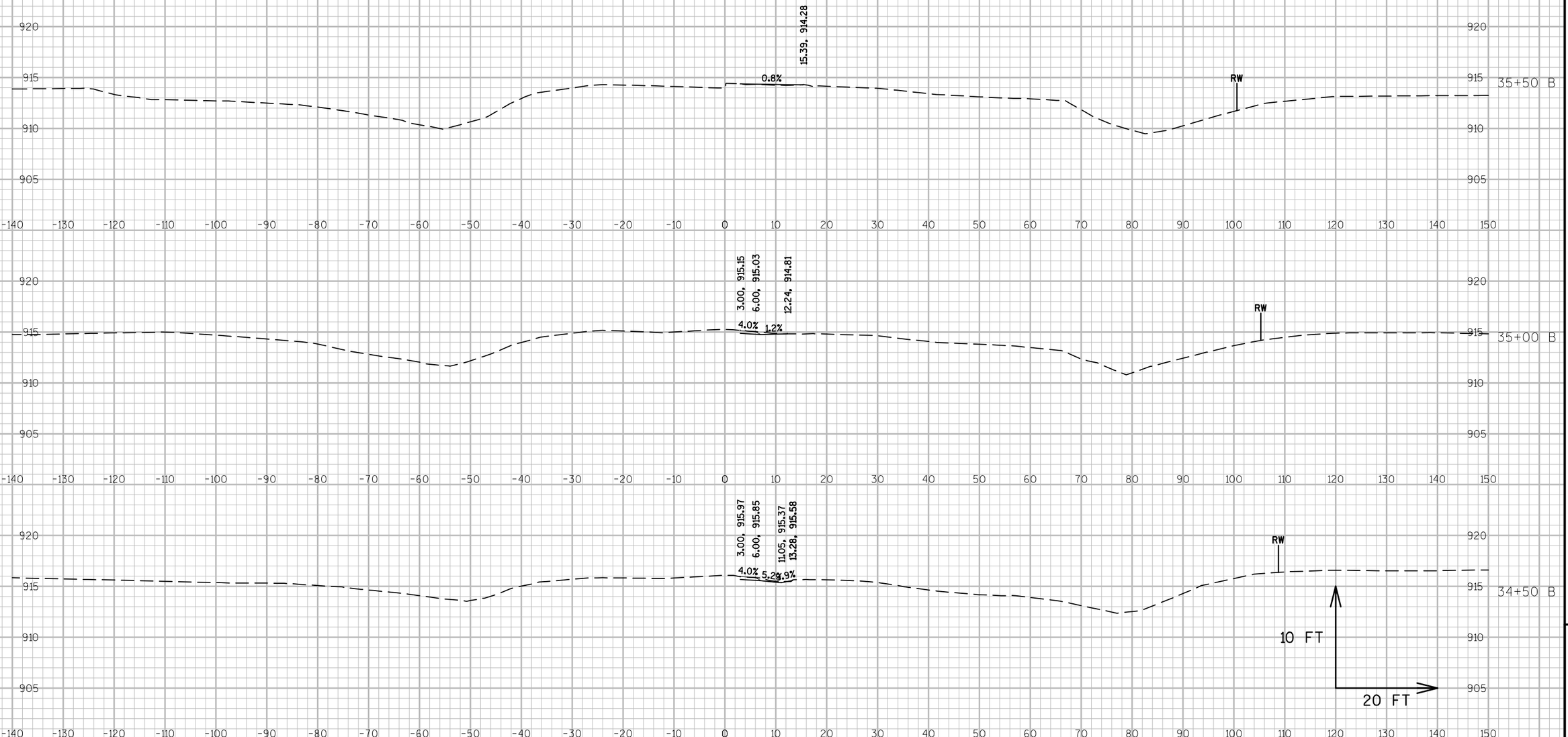
PROJECT NO:5845-01-76	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: USH 51 ALIGNMENT B	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090218_XS (B)

PLOT DATE : 8/31/2020 4:20 PM PLOT BY : SCHAUB, ALEX PLOT NAME : PLOT SCALE : 1 IN:20 FT



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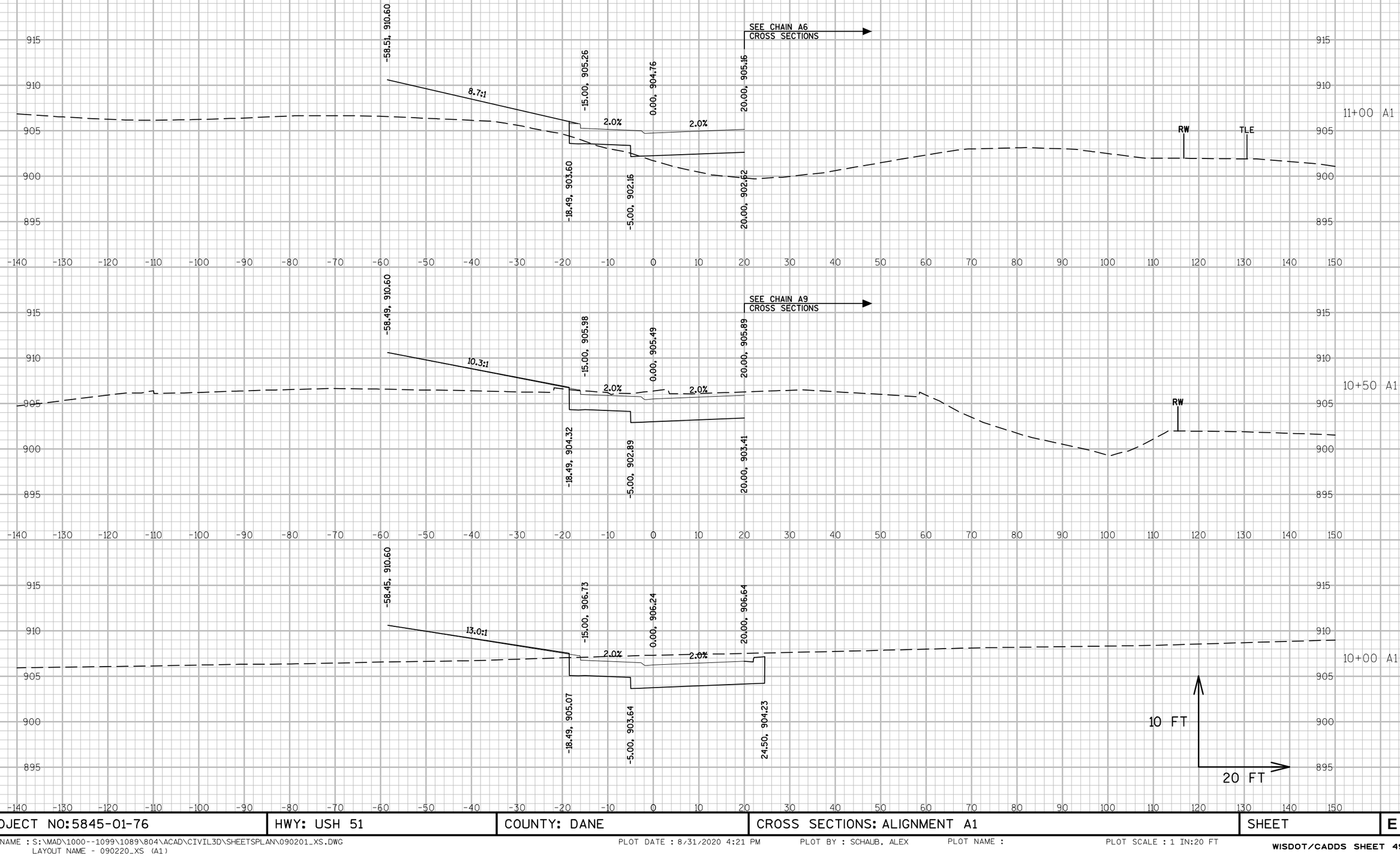
PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: USH 51 ALIGNMENT B	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090219_XS (B)

PLOT DATE : 8/31/2020 4:20 PM PLOT BY : SCHAUB, ALEX PLOT NAME : PLOT SCALE : 1 IN:20 FT



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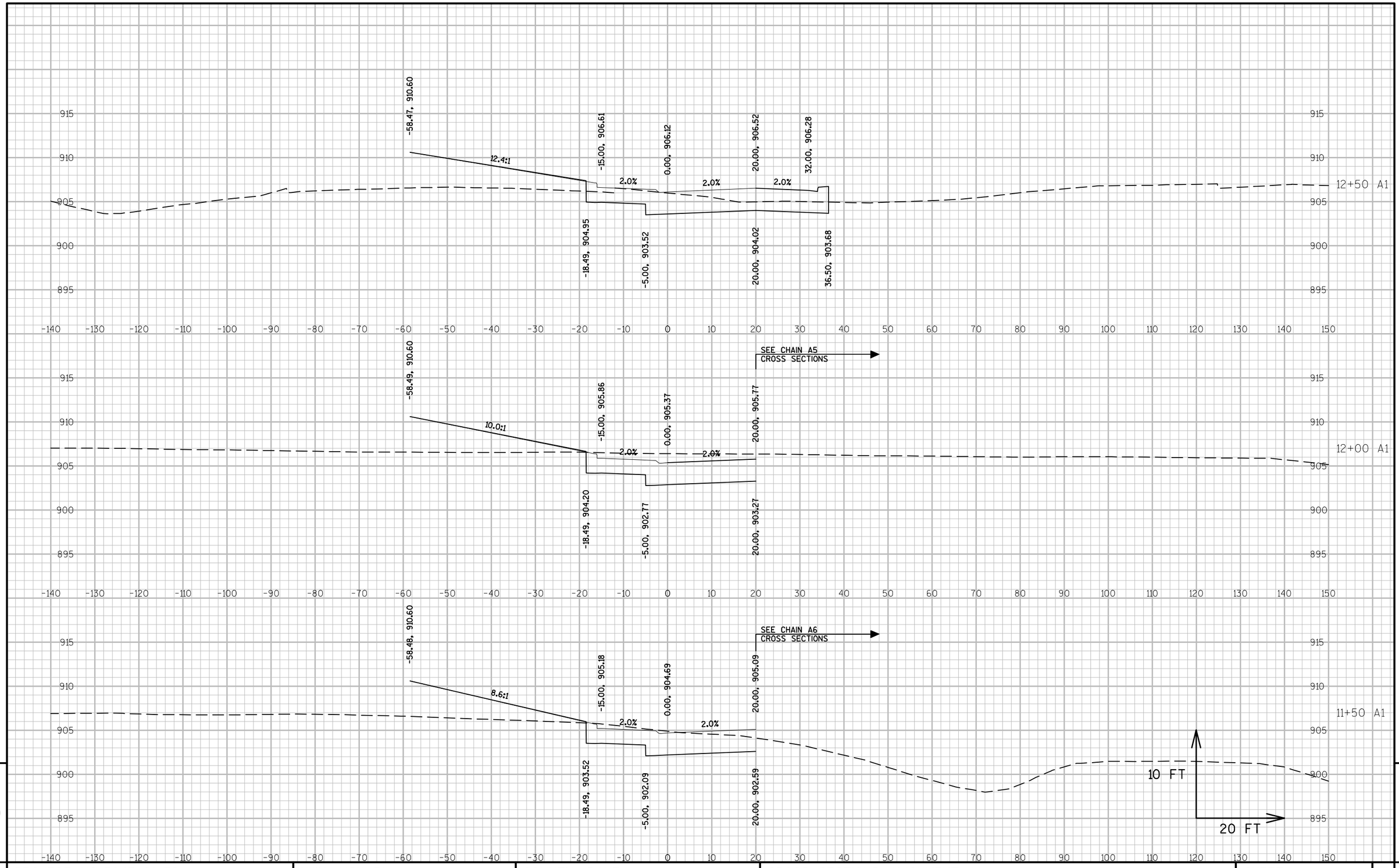
PROJECT NO:5845-01-76	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: ALIGNMENT A1	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090220_XS (A1)
PLOT DATE : 8/31/2020 4:21 PM PLOT BY : SCHAUB, ALEX PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49



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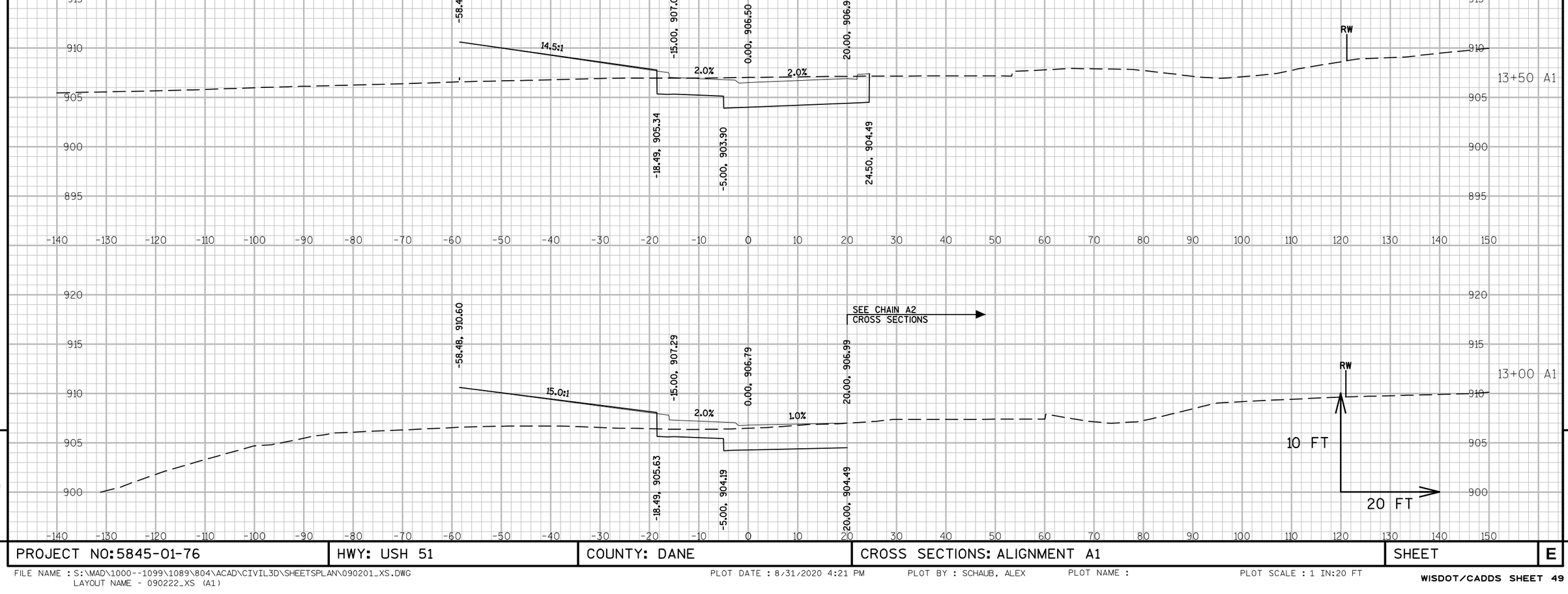
PROJECT NO:5845-01-76	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: ALIGNMENT A1	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090221_XS (A1)

PLOT DATE : 8/31/2020 4:21 PM PLOT BY : SCHAUB, ALEX PLOT NAME : PLOT SCALE : 1 IN:20 FT



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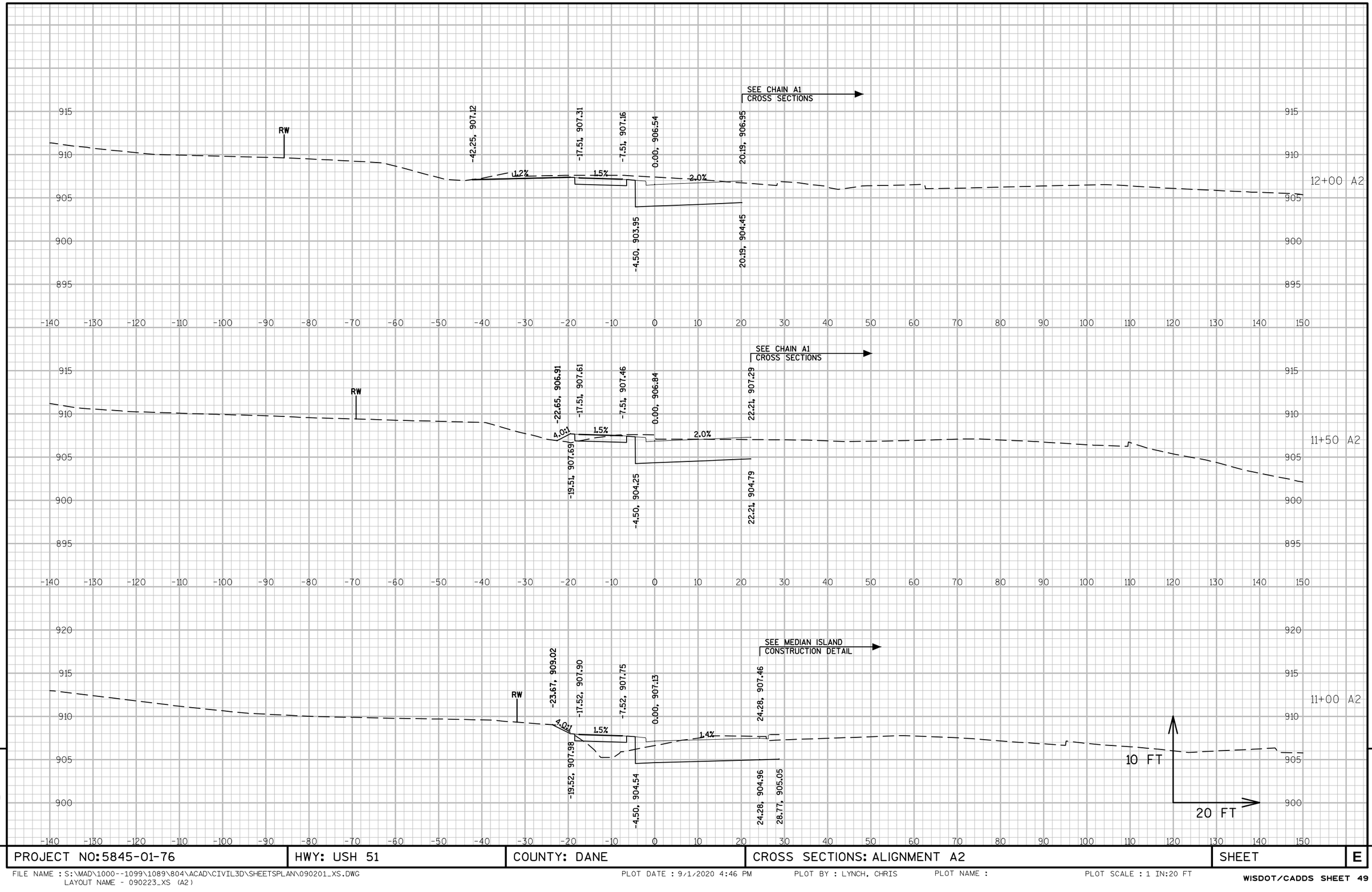
PROJECT NO:5845-01-76	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: ALIGNMENT A1	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090222_XS (A1)

PLOT DATE : 8/31/2020 4:21 PM PLOT BY : SCHAUB, ALEX PLOT NAME : PLOT SCALE : 1 IN:20 FT



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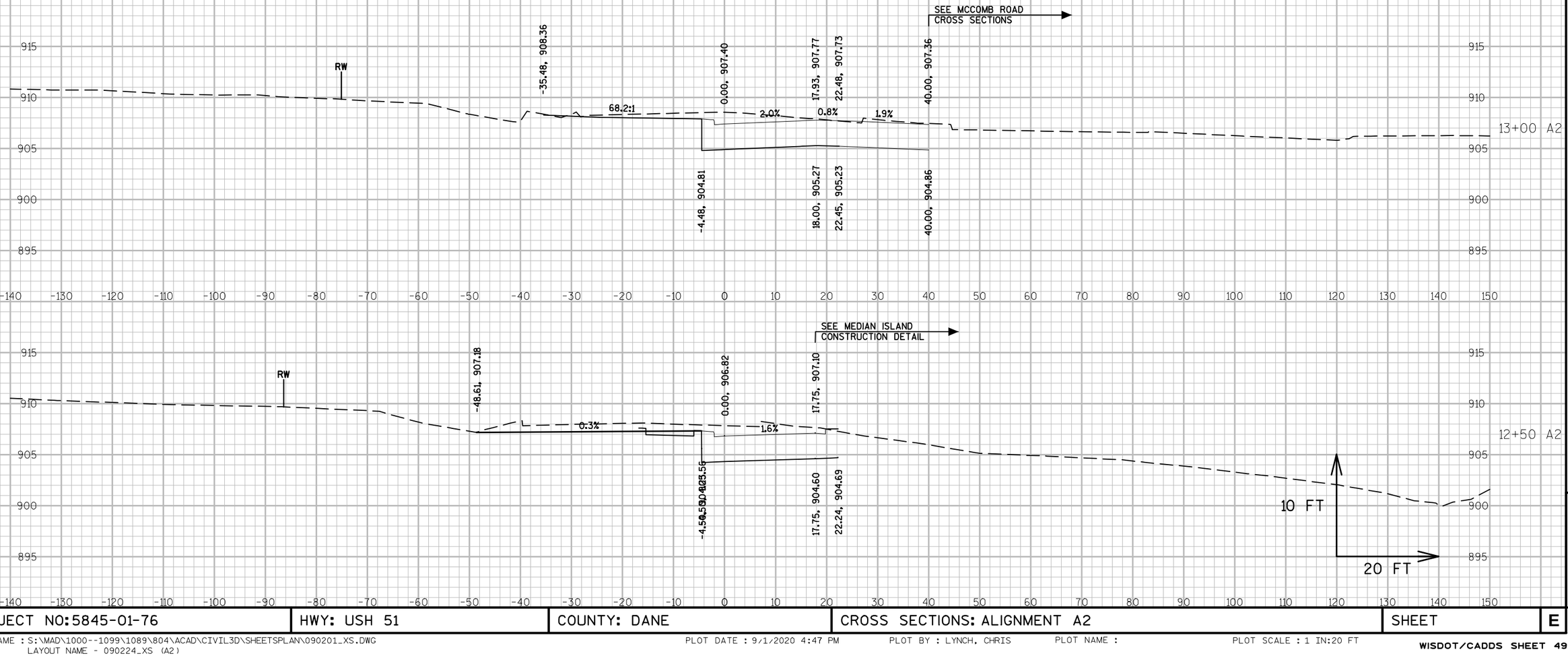
PROJECT NO:5845-01-76	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: ALIGNMENT A2	SHEET	E

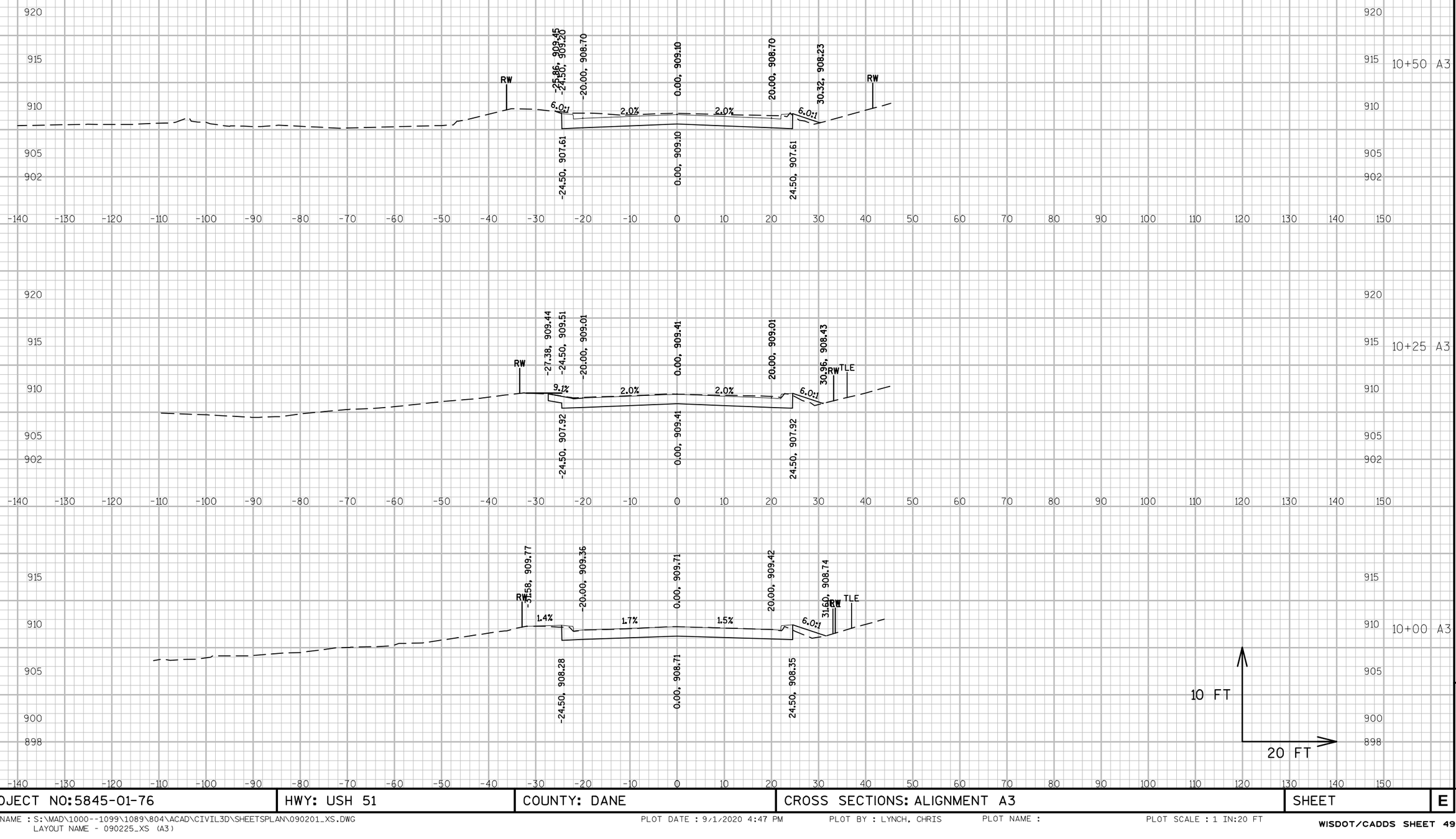
FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090223_XS (A2)
PLOT DATE : 9/1/2020 4:46 PM
PLOT BY : LYNCH, CHRIS
PLOT NAME :
PLOT SCALE : 1 IN:20 FT



PROJECT NO:5845-01-76	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: ALIGNMENT A2	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090224_XS (A2)

PLOT DATE : 9/1/2020 4:47 PM PLOT BY : LYNCH, CHRIS PLOT NAME : PLOT SCALE : 1 IN:20 FT



PROJECT NO:5845-01-76	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: ALIGNMENT A3	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090225_XS (A3)

PLOT DATE : 9/1/2020 4:47 PM PLOT BY : LYNCH, CHRIS PLOT NAME : PLOT SCALE : 1 IN:20 FT

MCCOMB ROAD
SIDE ROAD

-21.30, 907.46
+2.73, 907.87
0.00, 907.88
18.85, 907.53
RW
2.2%
0.3%
1.9%
48.75, 907.76
-21.31, 904.96
-2.73, 905.37
0.00, 905.38
23.35, 904.94

11+50 A3

-26.65, 908.97
-24.50, 908.59
-20.00, 908.09
0.00, 908.49
20.00, 908.09
RW
RW
6.0%
2.0%
2.0%
1.8%
-24.50, 907.00
0.00, 908.49
24.50, 907.00
33.17, 908.44

11+00 A3

10 FT
20 FT

9

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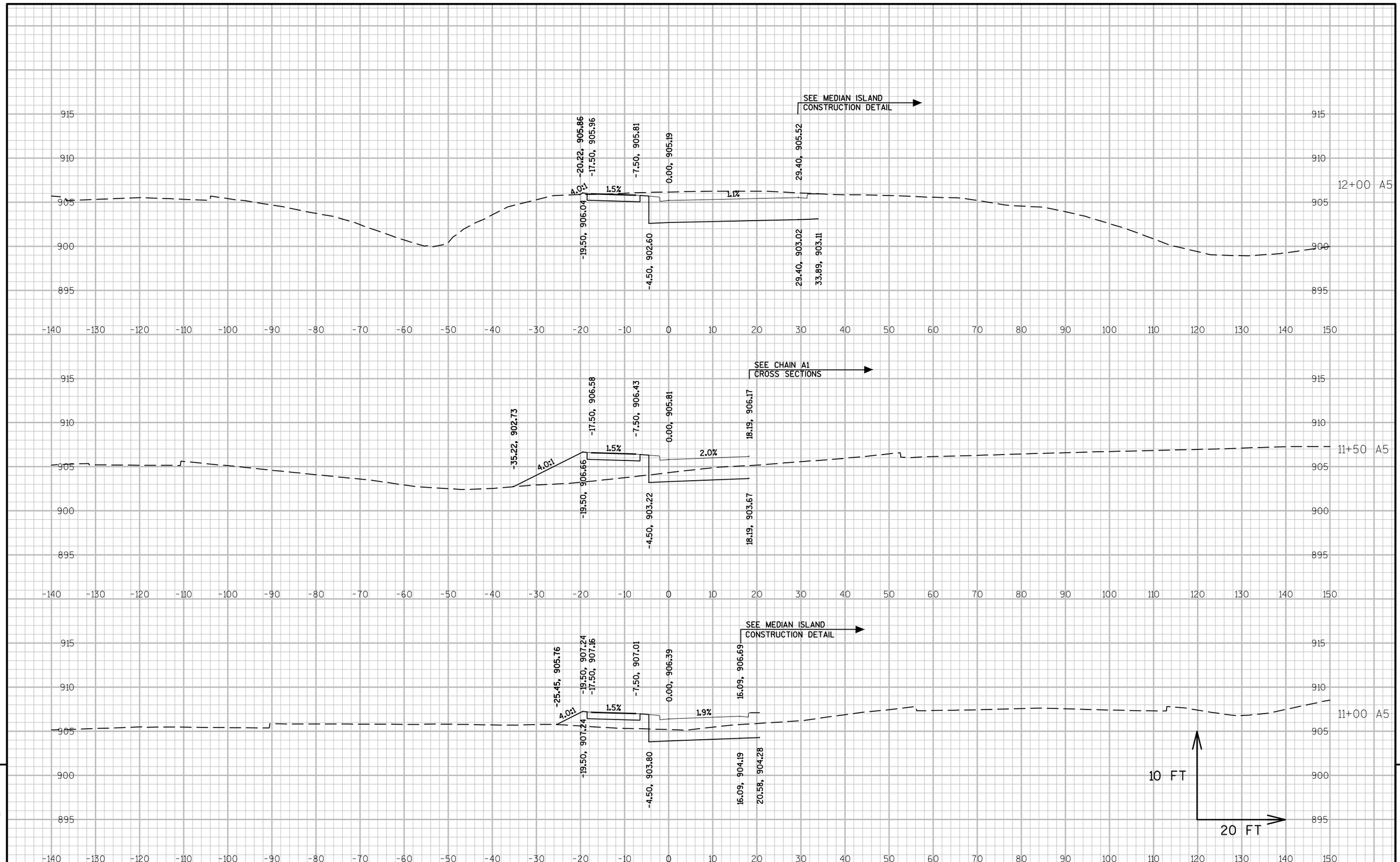
PROJECT NO:5845-01-76	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: A3	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090226_XS (A3)

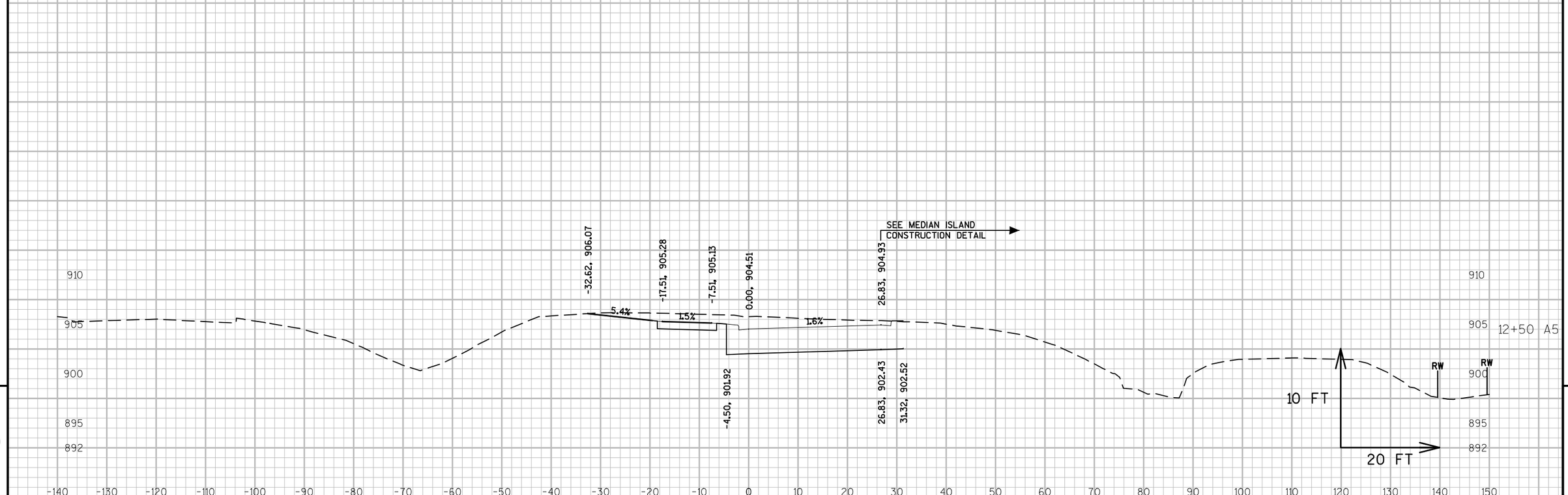
PLOT DATE : 9/1/2020 5:01 PM PLOT BY : LYNCH, CHRIS PLOT NAME : PLOT SCALE : 1 IN:20 FT



PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: ALIGNMENT A5	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090227_XS (A5)

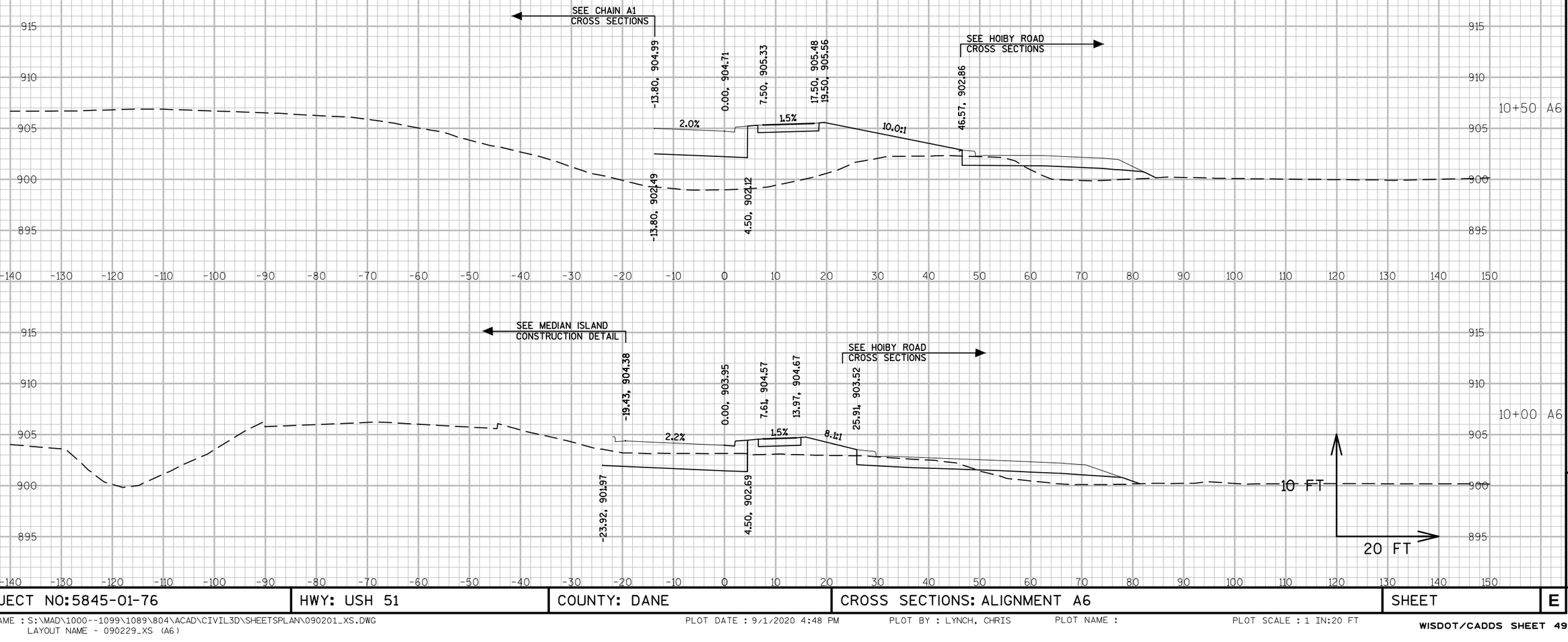
PLOT DATE : 9/1/2020 4:48 PM PLOT BY : LYNCH, CHRIS PLOT NAME : PLOT SCALE : 1 IN:20 FT



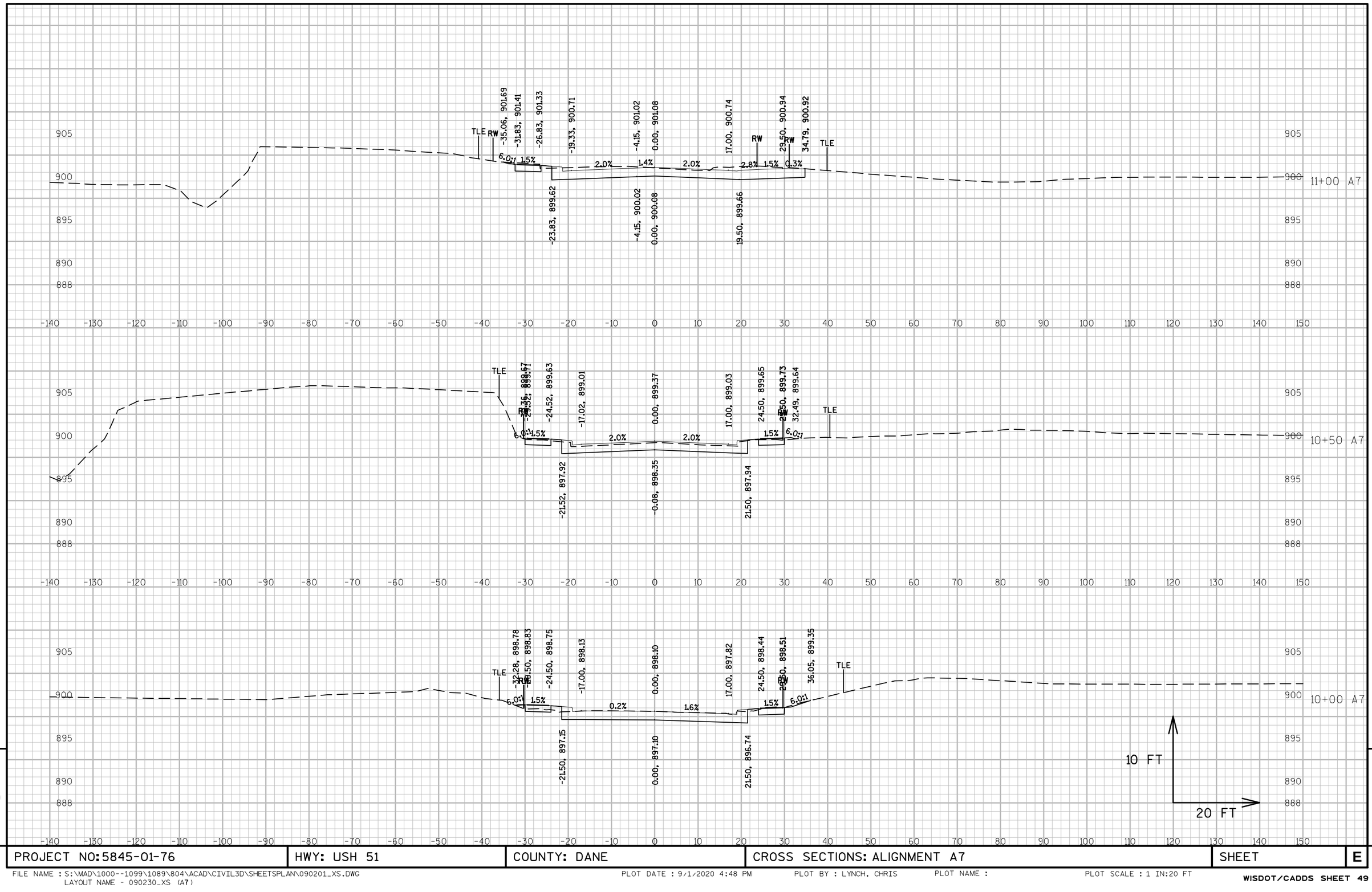
PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: ALIGNMENT A5	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090228_XS (A5)

PLOT DATE : 9/1/2020 4:48 PM PLOT BY : LYNCH, CHRIS PLOT NAME : PLOT SCALE : 1 IN:20 FT

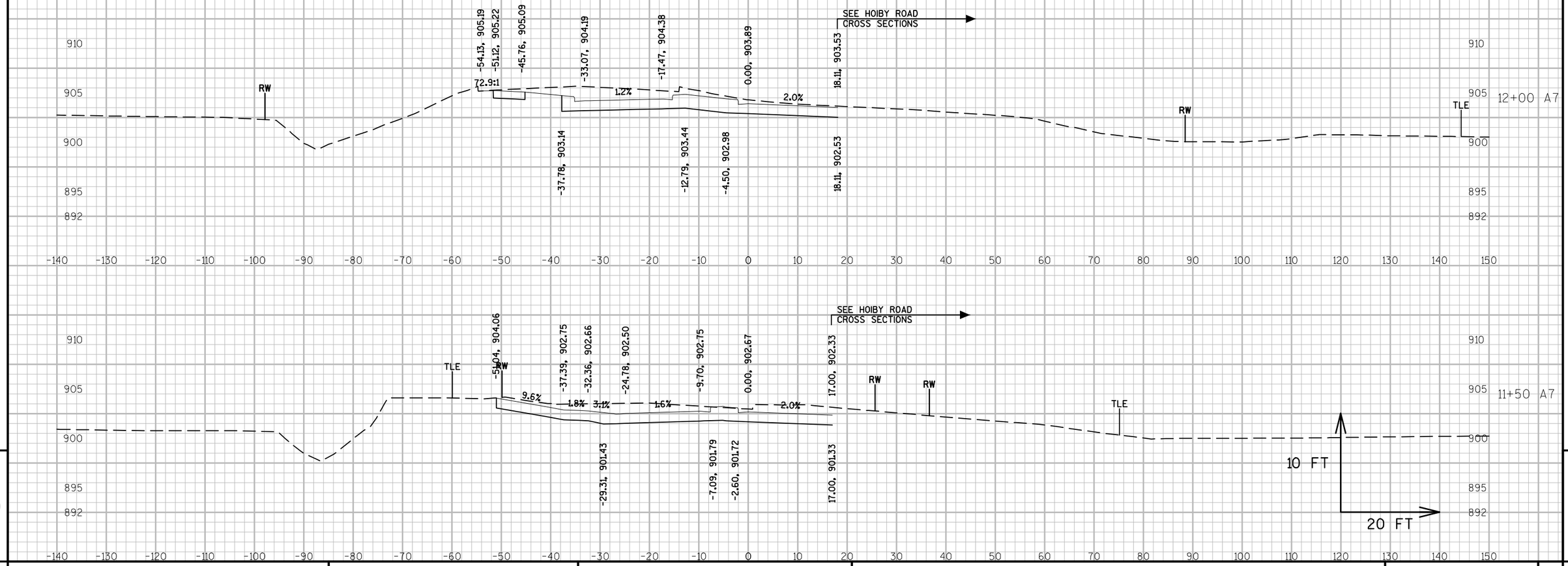


PROJECT NO:5845-01-76	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: ALIGNMENT A6	SHEET	E



PROJECT NO:5845-01-76	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: ALIGNMENT A7	SHEET	E

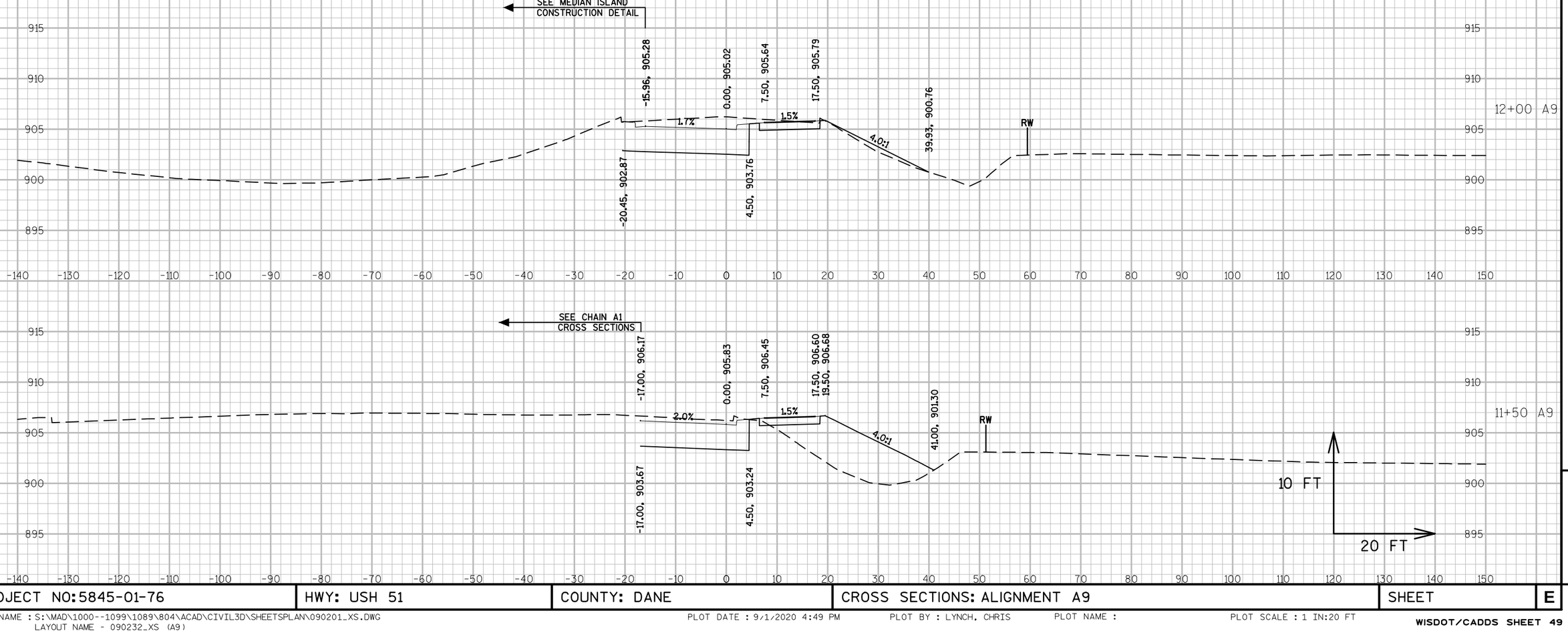
FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090230_XS (A7)
PLOT DATE : 9/1/2020 4:48 PM
PLOT BY : LYNCH, CHRIS
PLOT NAME :
PLOT SCALE : 1 IN:20 FT



PROJECT NO:5845-01-76	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: ALIGNMENT A7	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090231_XS (A7)

PLOT DATE : 9/1/2020 4:49 PM PLOT BY : LYNCH, CHRIS PLOT NAME : PLOT SCALE : 1 IN:20 FT



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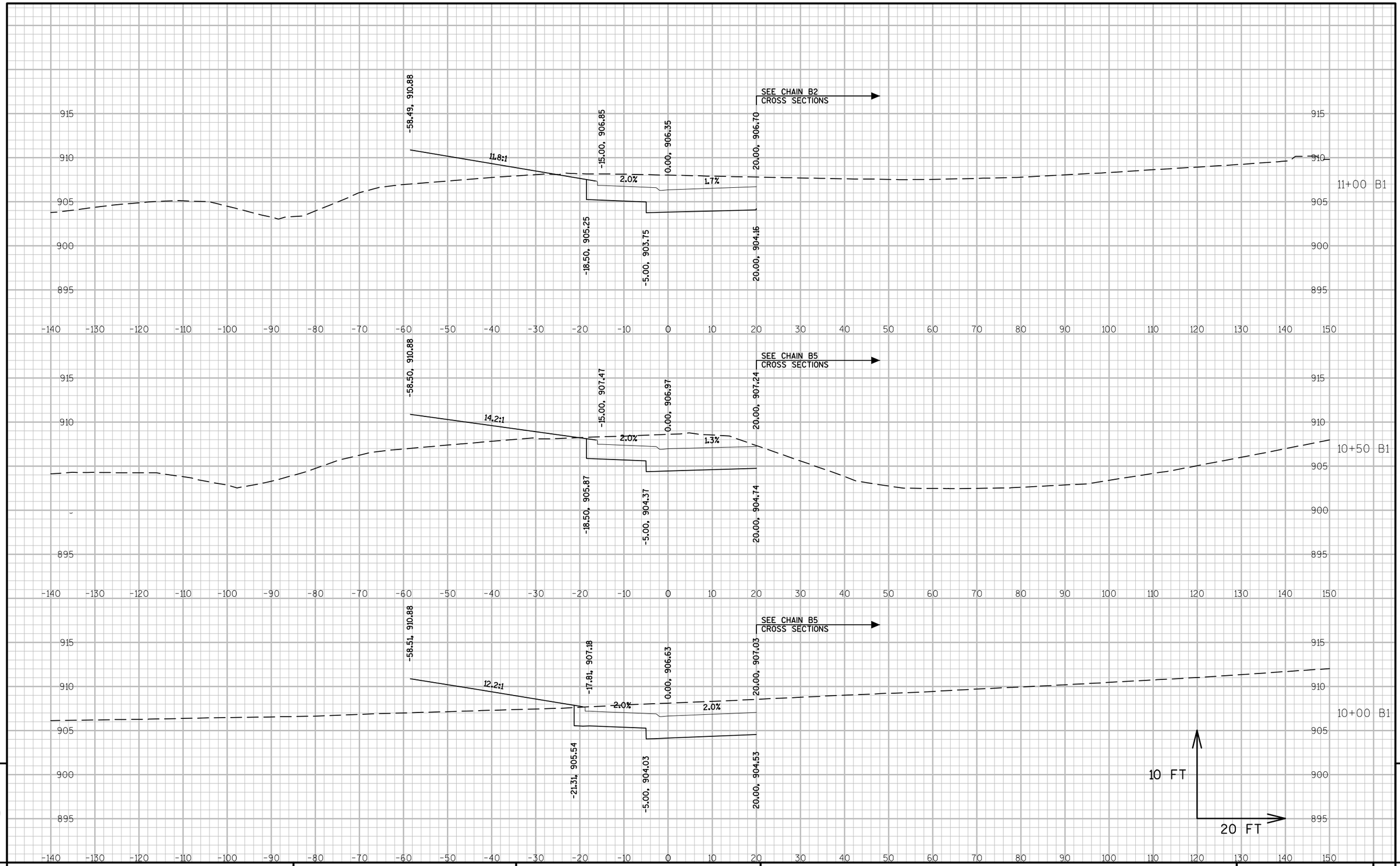
PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: ALIGNMENT A9	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090232_XS (A9)

PLOT DATE : 9/1/2020 4:49 PM PLOT BY : LYNCH, CHRIS PLOT NAME : PLOT SCALE : 1 IN:20 FT



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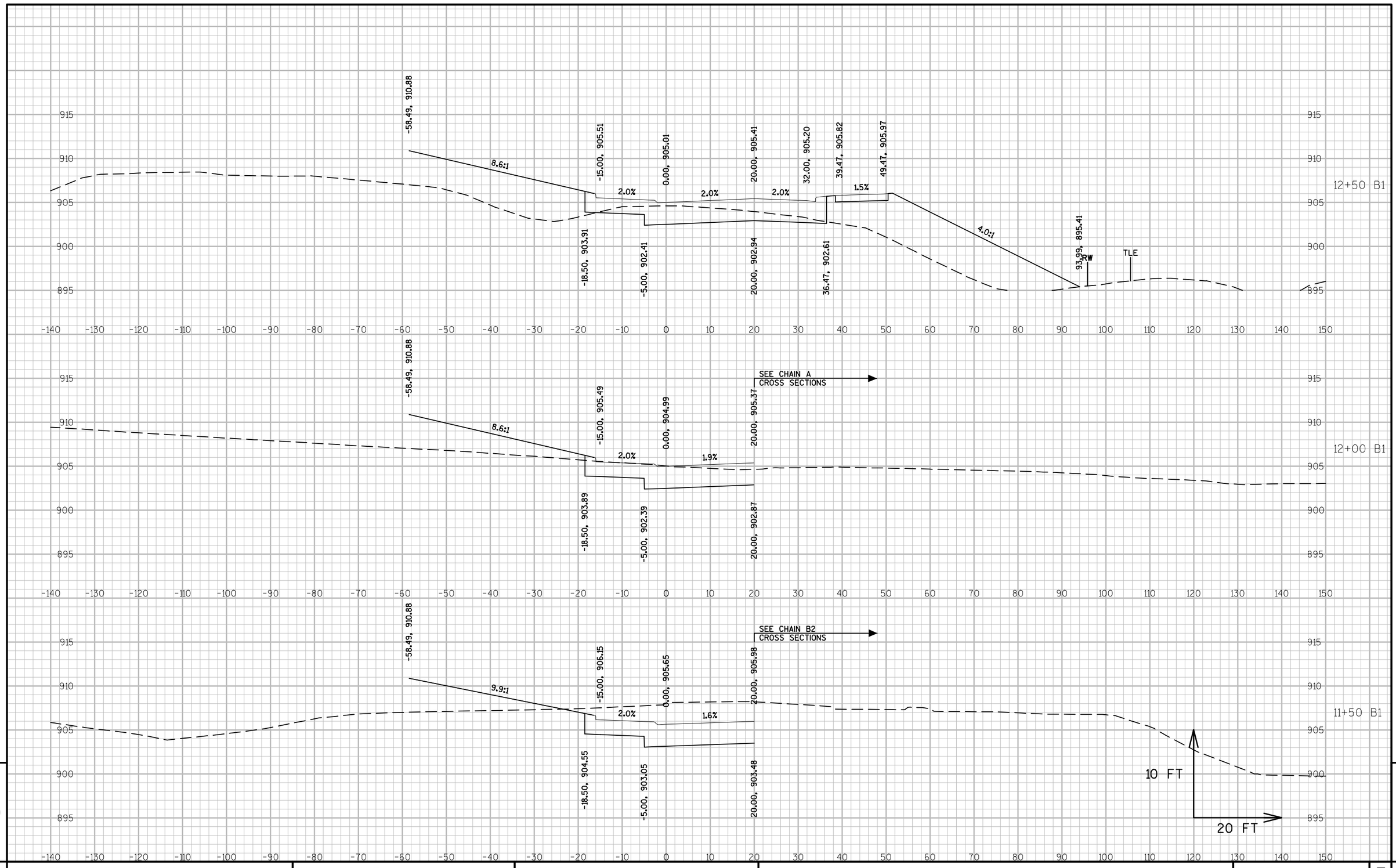
PROJECT NO:5845-01-76	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: ALIGNMENT B1	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090233_XS (B1)

PLOT DATE : 8/31/2020 4:25 PM PLOT BY : SCHAUB, ALEX PLOT NAME : PLOT SCALE : 1 IN:20 FT



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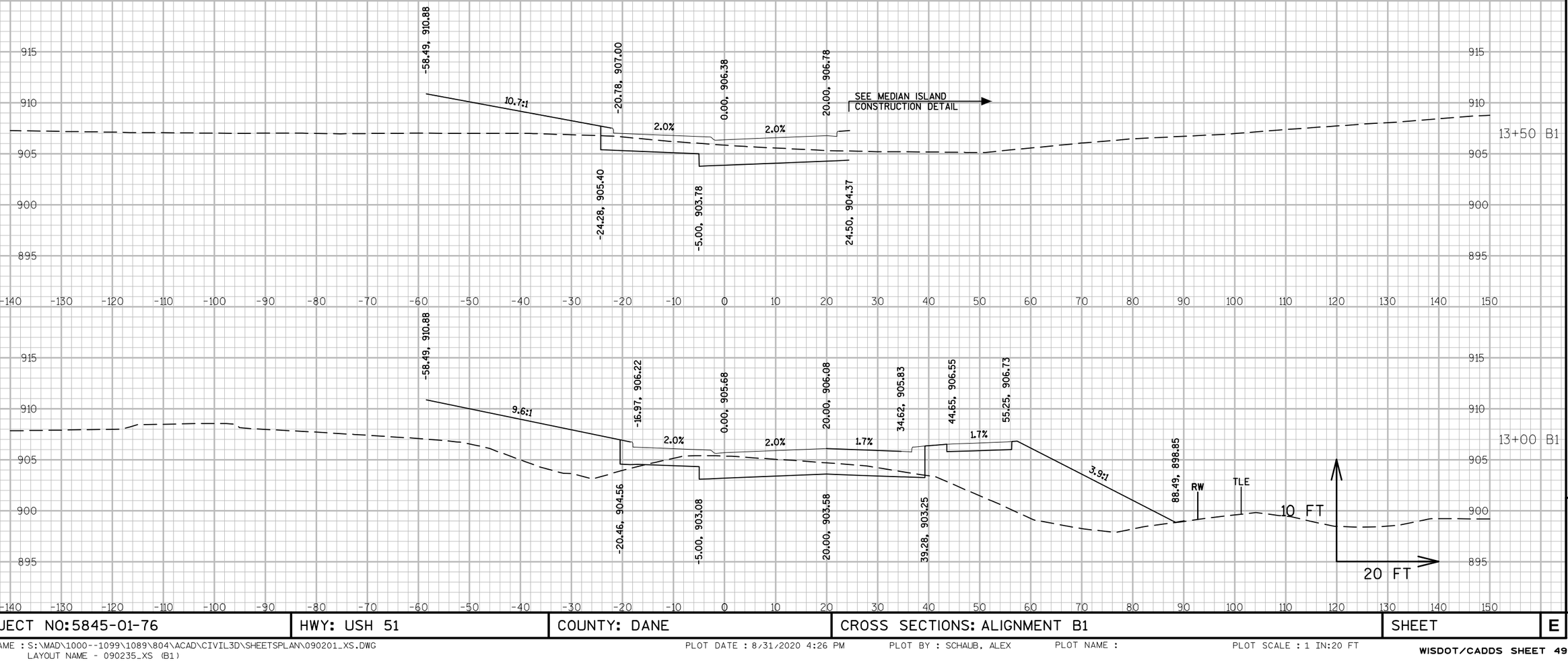
PROJECT NO:5845-01-76	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: ALIGNMENT B1	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090234_XS (B1)

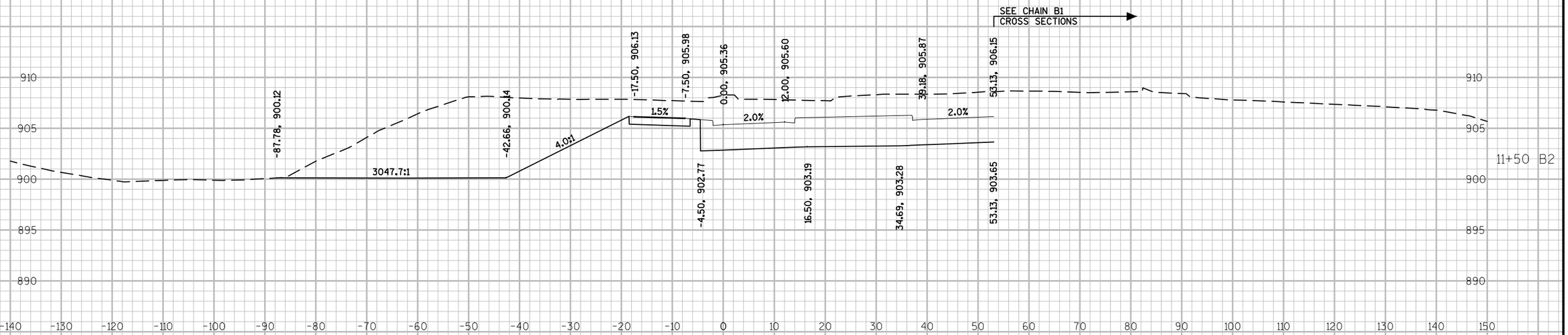
PLOT DATE : 8/31/2020 4:25 PM PLOT BY : SCHAUB, ALEX PLOT NAME : PLOT SCALE : 1 IN:20 FT

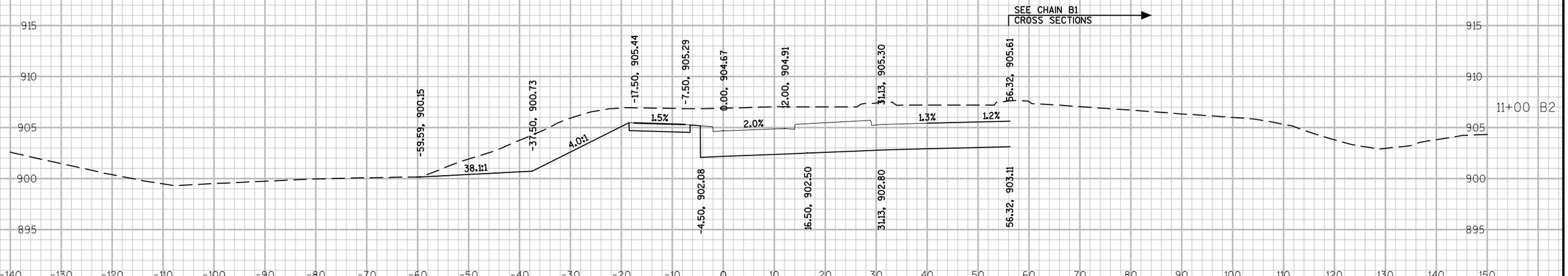


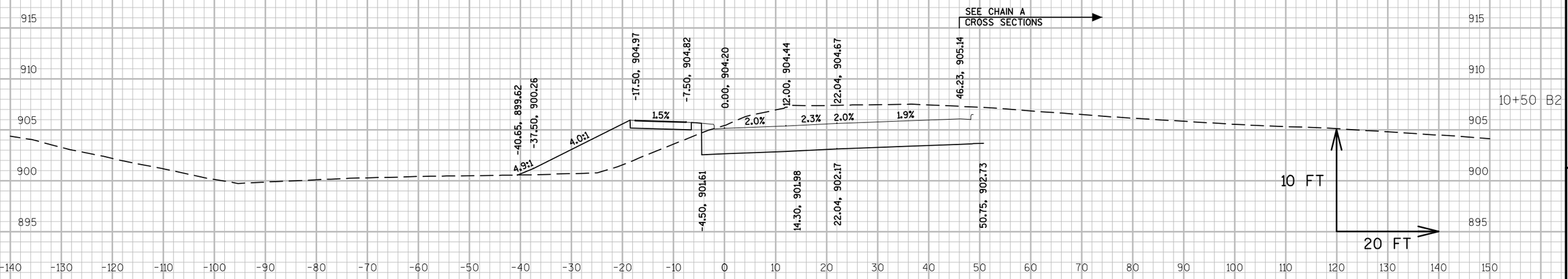
PROJECT NO:5845-01-76	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: ALIGNMENT B1	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090235_XS (B1)

PLOT DATE : 8/31/2020 4:26 PM PLOT BY : SCHAUB, ALEX PLOT NAME : PLOT SCALE : 1 IN:20 FT



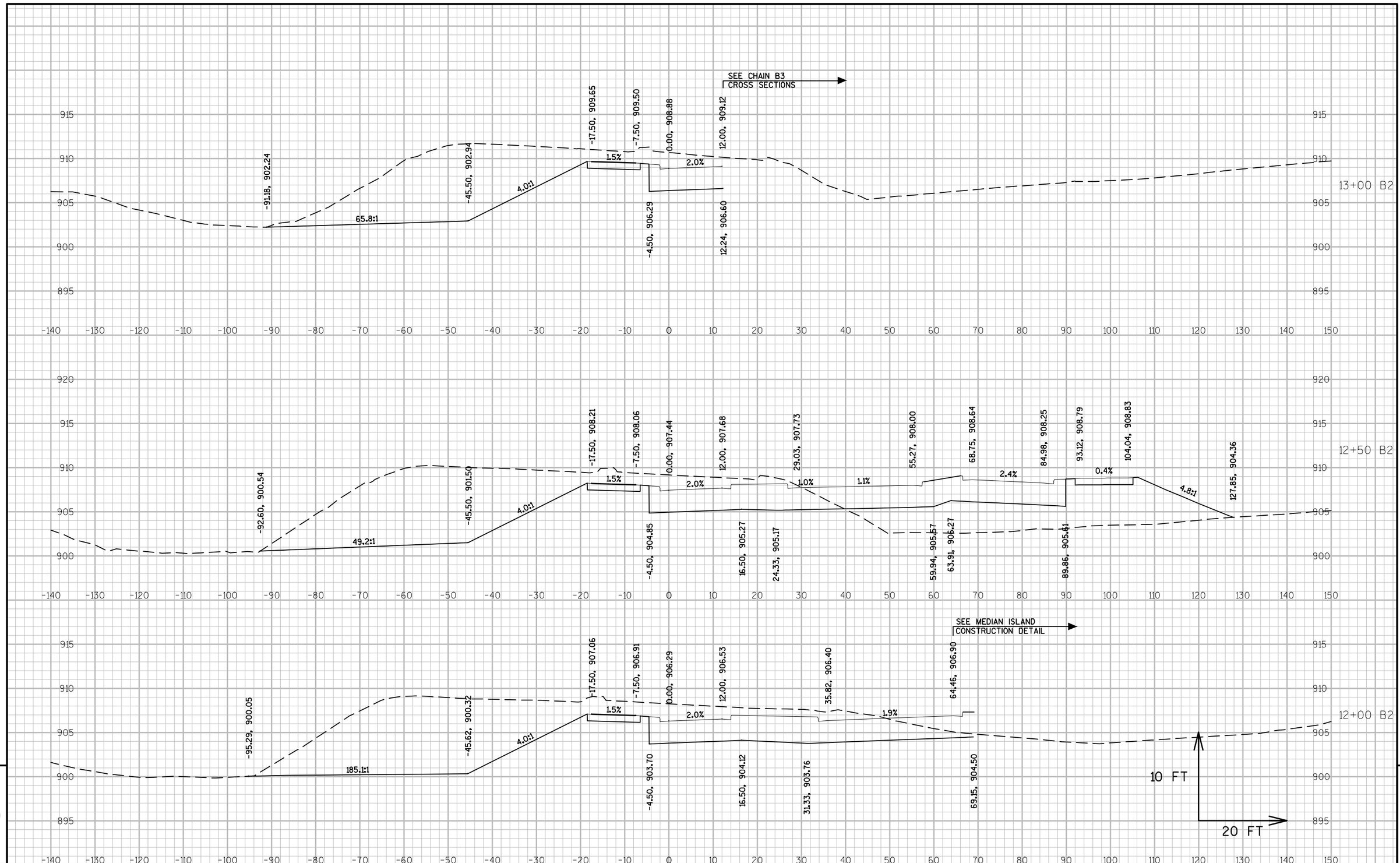




PROJECT NO:5845-01-76	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: ALIGNMENT B2	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090236_XS (B2)

PLOT DATE : 9/1/2020 4:50 PM PLOT BY : LYNCH, CHRIS PLOT NAME : PLOT SCALE : 1 IN:20 FT



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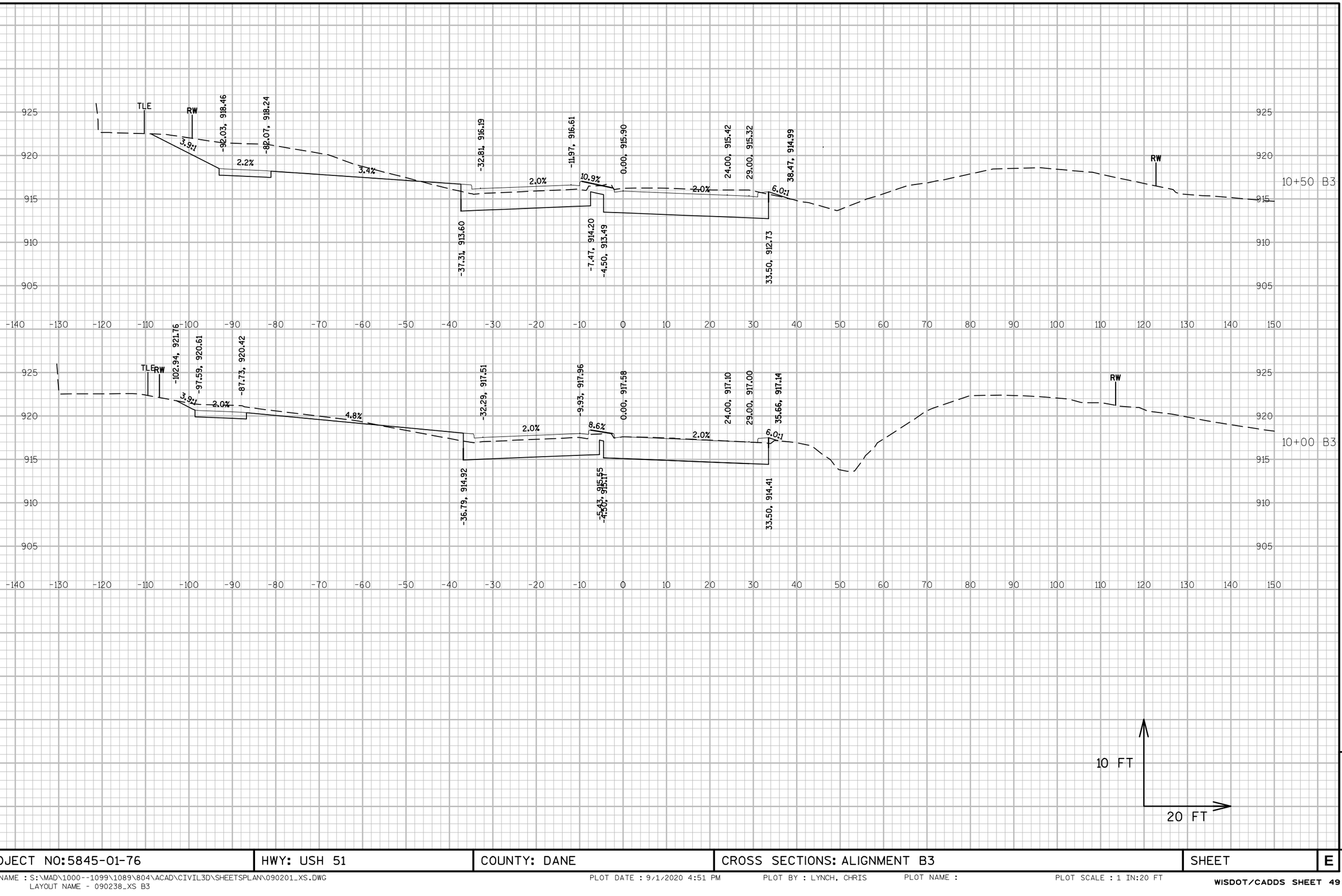
PROJECT NO: 5845-01-76	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: ALIGNMENT B2	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090237_XS (B2)

PLOT DATE : 9/1/2020 4:50 PM PLOT BY : LYNCH, CHRIS PLOT NAME : PLOT SCALE : 1 IN:20 FT



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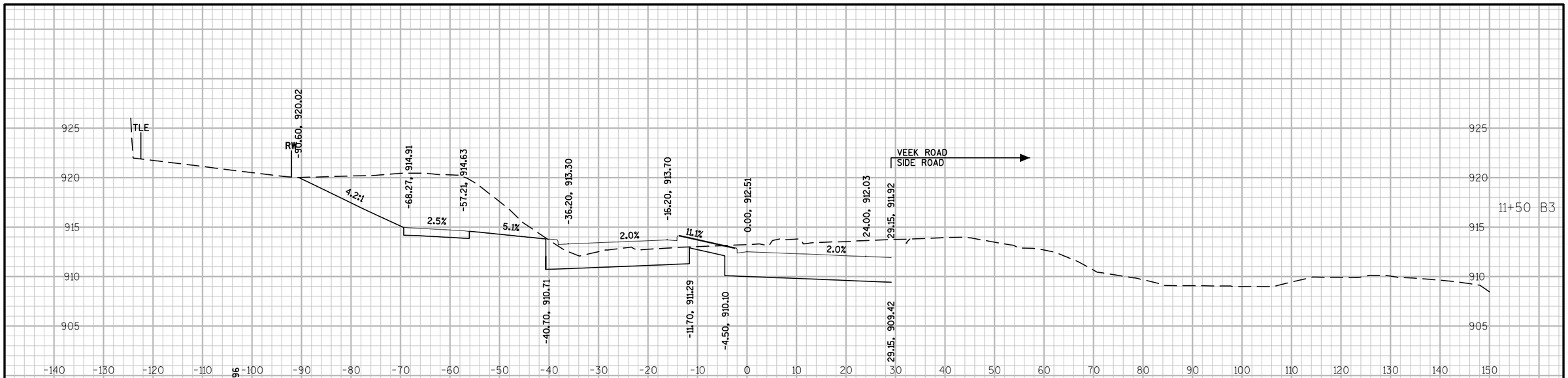
PROJECT NO:5845-01-76	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: ALIGNMENT B3	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090238_XS B3
PLOT DATE : 9/1/2020 4:51 PM PLOT BY : LYNCH, CHRIS PLOT NAME : PLOT SCALE : 1 IN:20 FT



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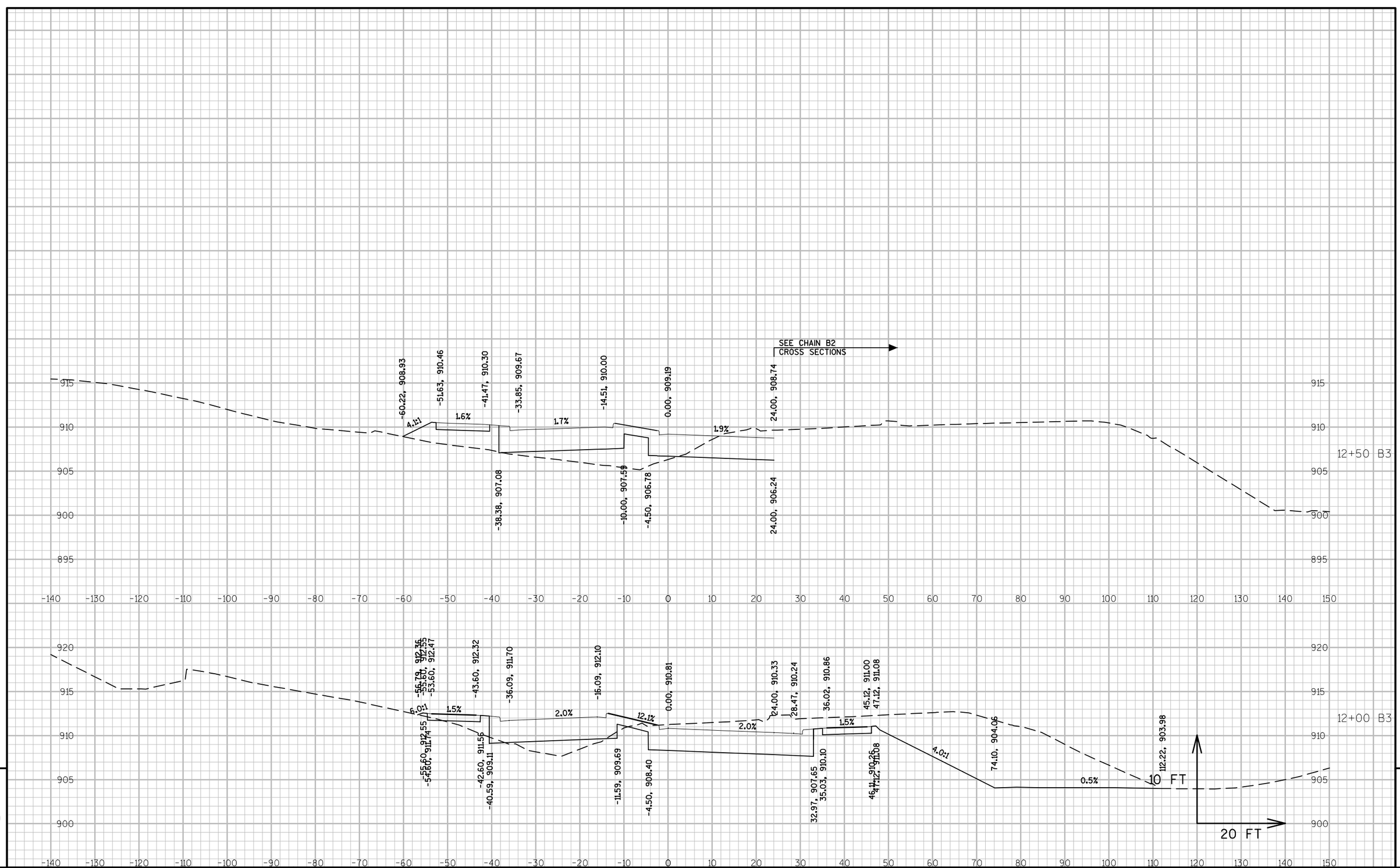
PROJECT NO:5845-01-76	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: ALIGNMENT B3	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090239_XS B3

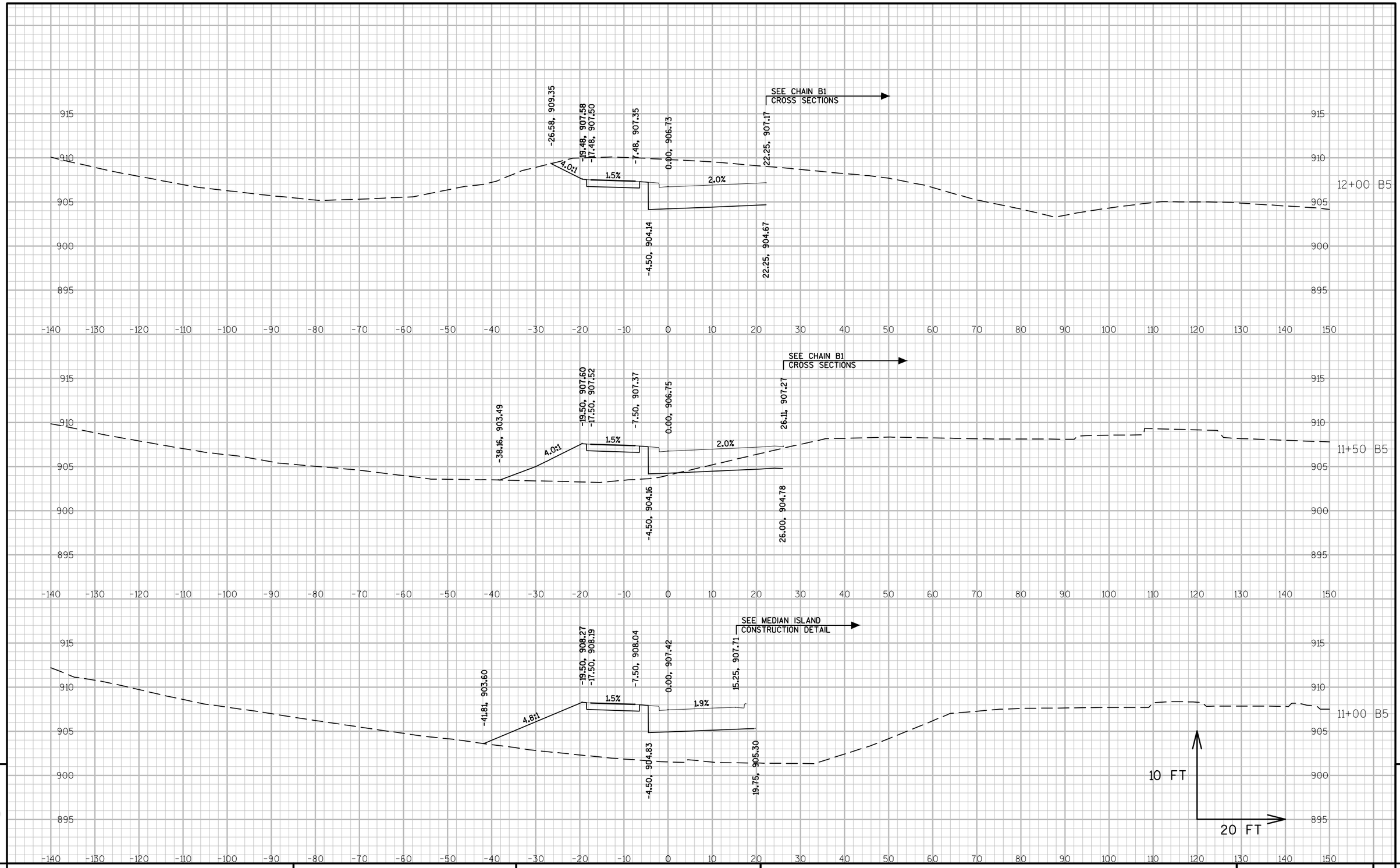
PLOT DATE : 9/1/2020 4:51 PM PLOT BY : LYNCH, CHRIS PLOT NAME : PLOT SCALE : 1 IN:20 FT



PROJECT NO:5845-01-76	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: ALIGNMENT B3	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090240_XS B3

PLOT DATE : 9/1/2020 4:51 PM PLOT BY : LYNCH, CHRIS PLOT NAME : PLOT SCALE : 1 IN:20 FT



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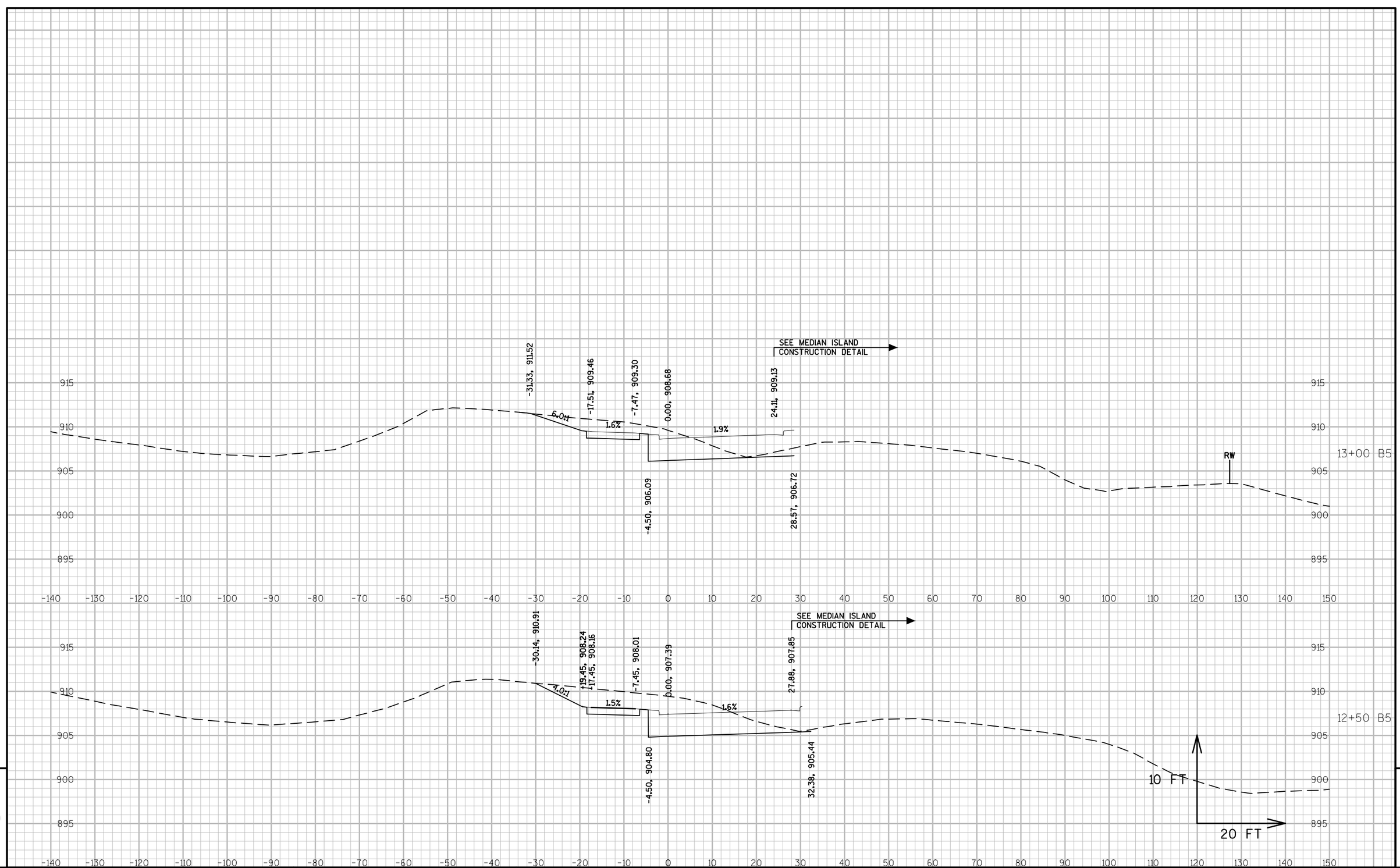
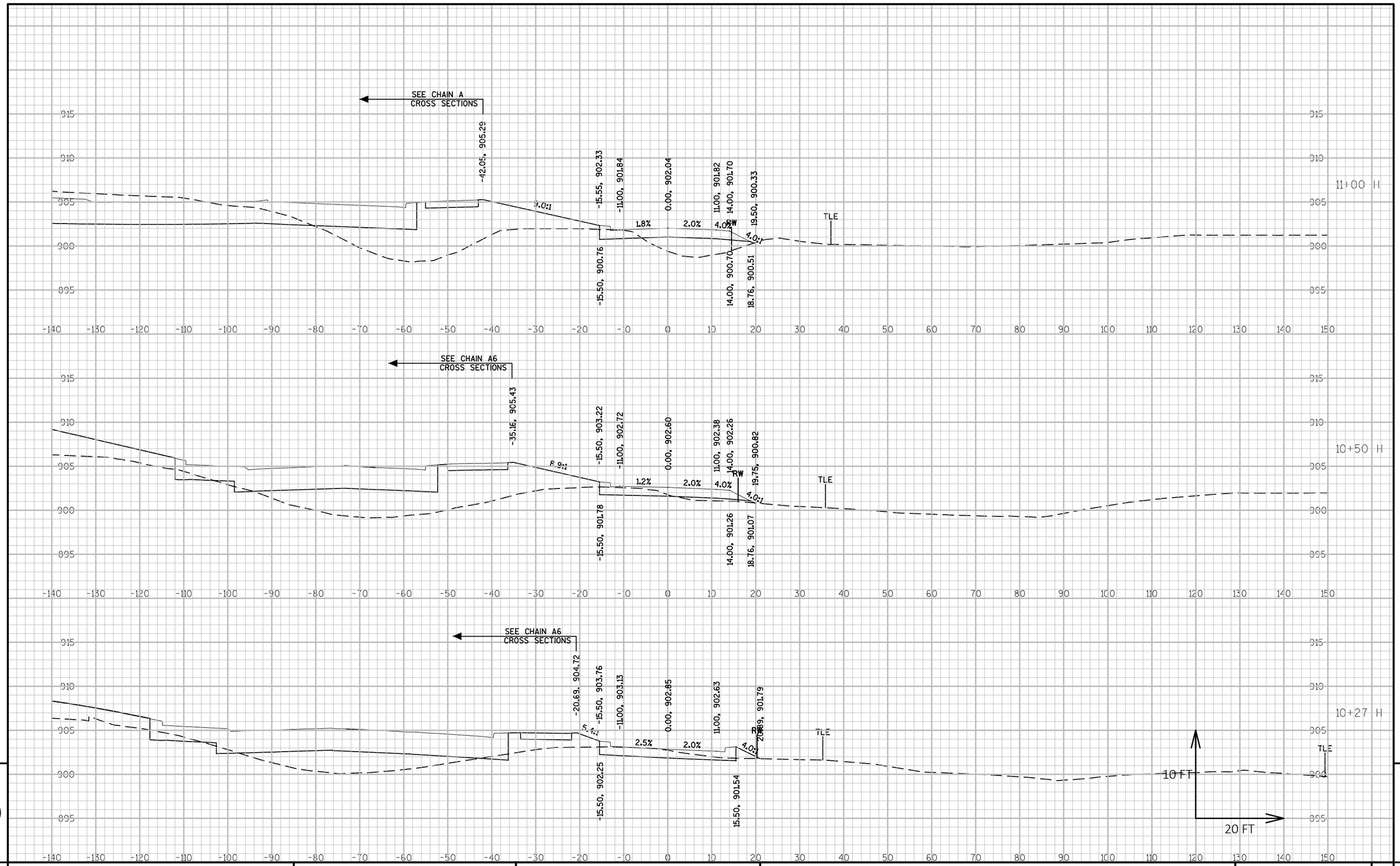
PROJECT NO:5845-01-76	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: ALIGNMENT B5	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090241_XS_B5
PLOT DATE : 9/1/2020 4:52 PM
PLOT BY : LYNCH, CHRIS
PLOT NAME :
PLOT SCALE : 1 IN:20 FT



PROJECT NO:5845-01-76	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: ALIGNMENT B5	SHEET	E



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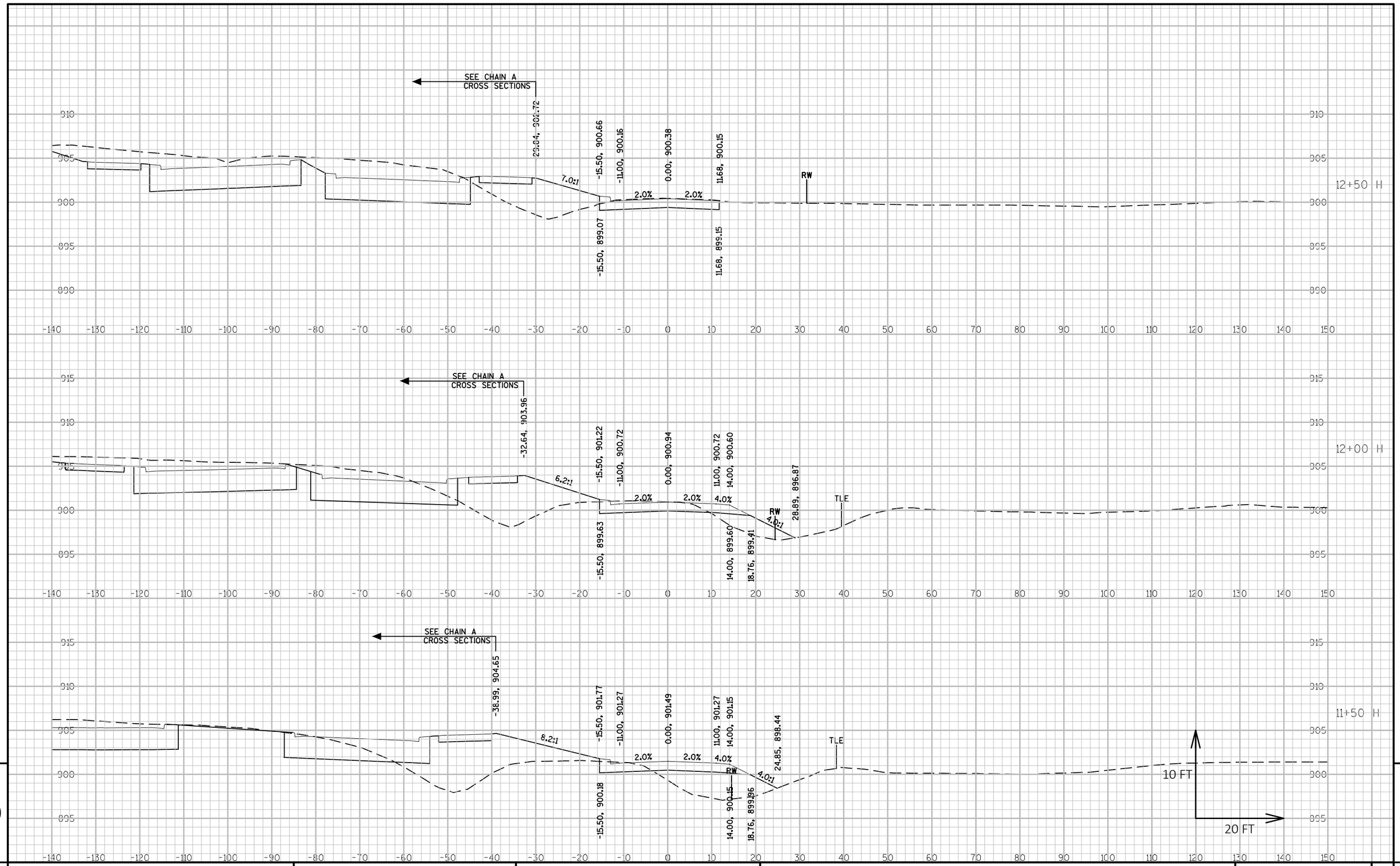
PROJECT NO:5845-01-76	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: HOIBY ROAD	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090243_XS (H)
PLOT DATE : 9/1/2020 4:52 PM
PLOT BY : LYNCH, CHRIS
PLOT NAME :
PLOT SCALE : **********



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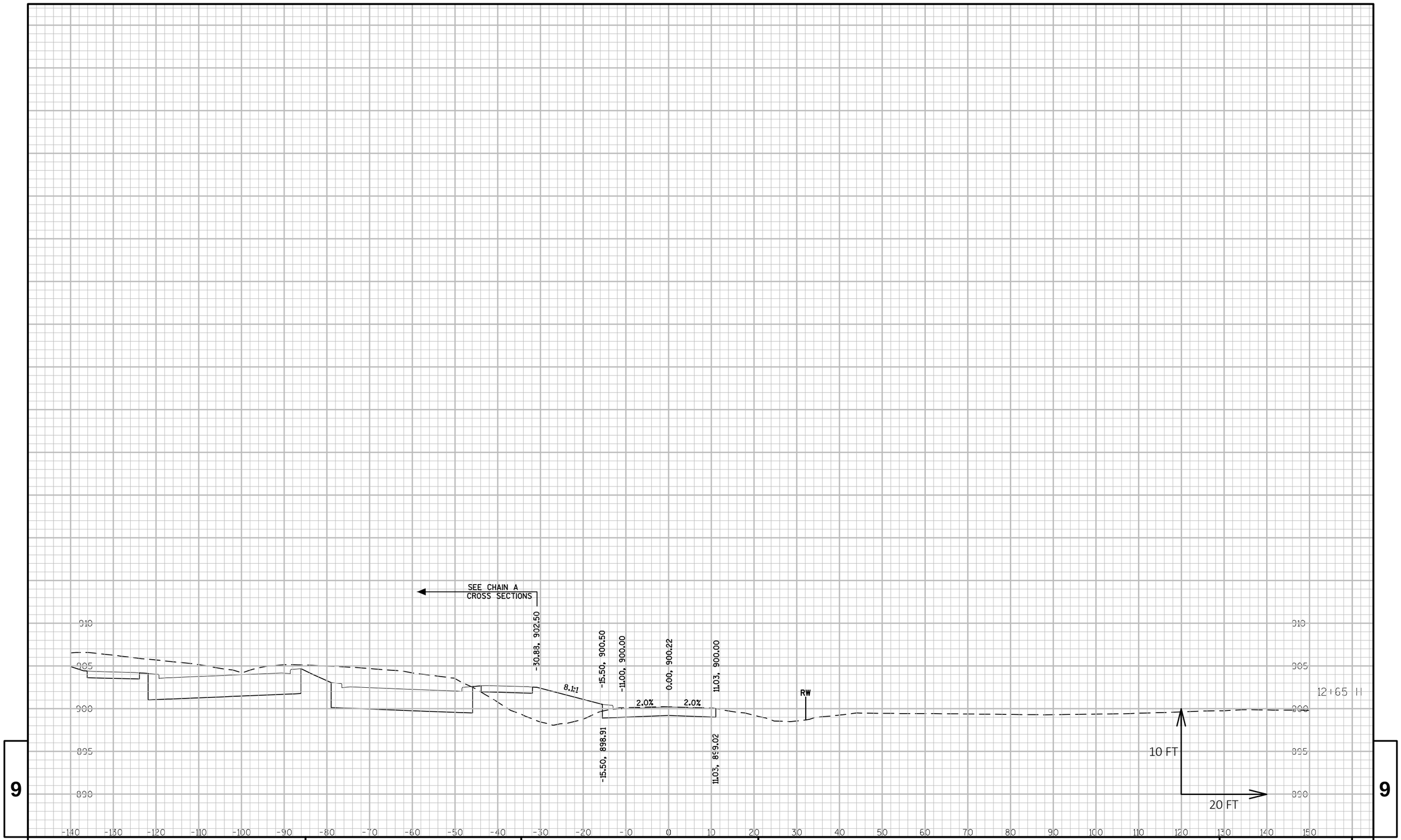
PROJECT NO:5845-01-76	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: HOIBY ROAD	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090244_XS (H)

PLOT DATE : 9/1/2020 4:53 PM PLOT BY : LYNCH, CHRIS PLOT NAME : PLOT SCALE : **********



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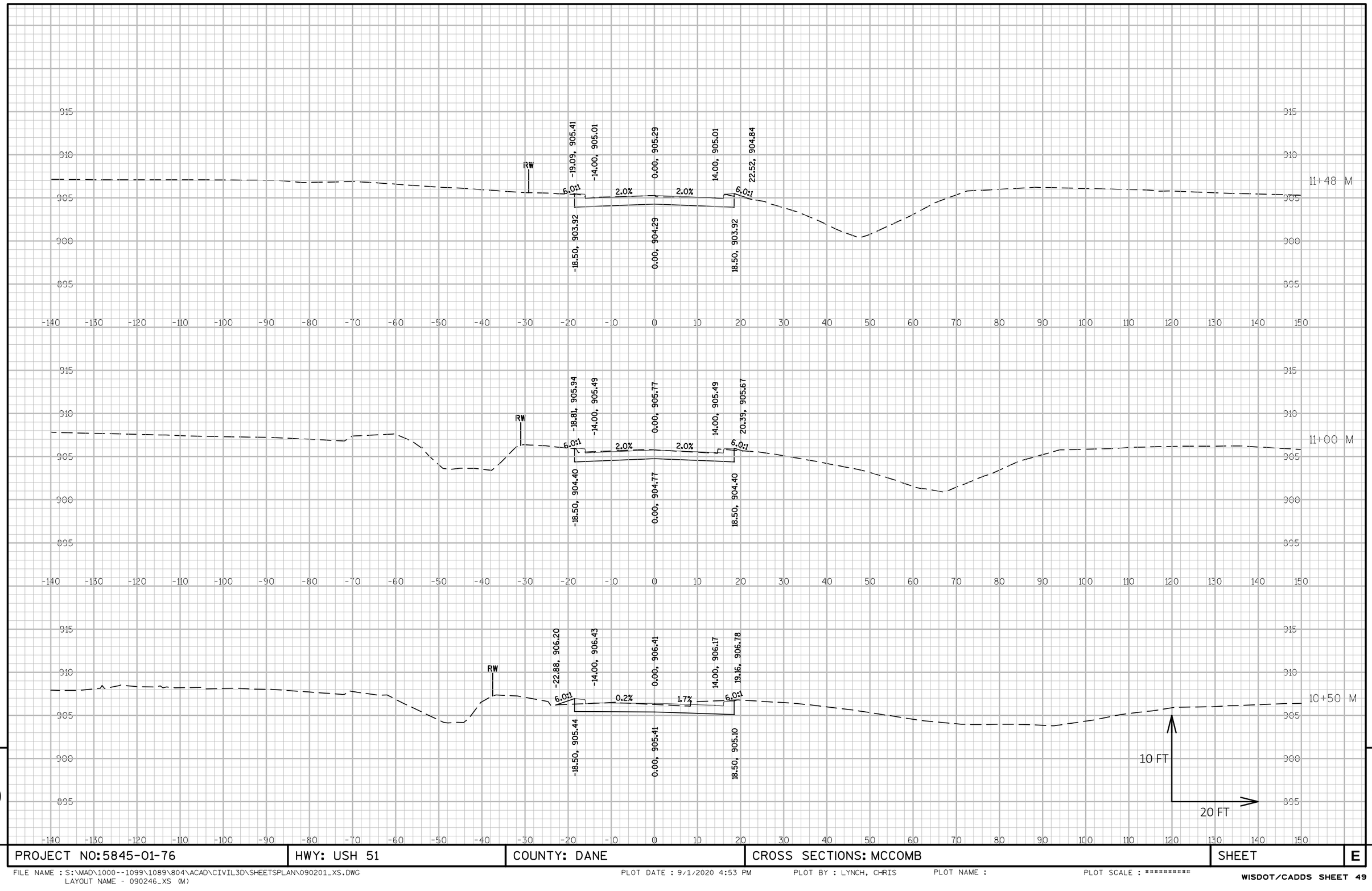
PROJECT NO:5845-01-76	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: HOIBY ROAD	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090245_XS (H)
PLOT DATE : 9/1/2020 4:53 PM PLOT BY : LYNCH, CHRIS PLOT NAME : PLOT SCALE : **********



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PROJECT NO:5845-01-76	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: MCCOMB	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\804\ACAD\CIVIL3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090246_XS (M)
PLOT DATE : 9/1/2020 4:53 PM PLOT BY : LYNCH, CHRIS PLOT NAME : PLOT SCALE : **********
WISDOT/CADDS SHEET 49