## ORDER OF SHEETS Typical Sections and Details

## STATE OF WISCONSIN **DEPARTMENT OF TRANSPORTATION**

PLAN OF PROPOSED IMPROVEMENT

# Section No.

### GREEN BAY ROAD, VILLAGE OF BROWN DEER

**TEUTONIA AVENUE INTERSECTION** 

**MILWAUKEE COUNTY** 

STATE PROJECT NUMBER 2565-07-70

# **STH 57**





#### DESIGN DESIGNATION

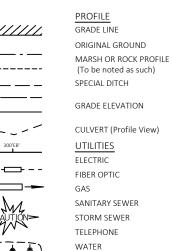
TOTAL SHEETS =

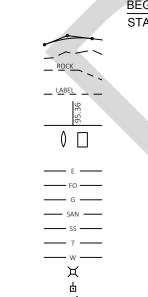
A.A.D.T.	2021	-	22,800
A.A.D.T.	2041	-	25,000
D.H.V.		=	
D.D.		=	
T.		=	6.29%
DESIGN SPEED		=	25/45
ESALS		=	4,100,000

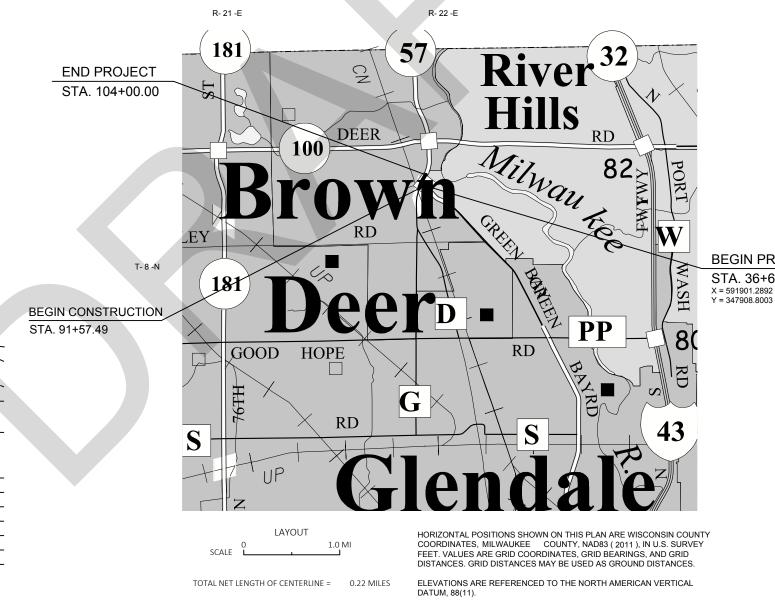
#### CONVENITIONIAL SYMPOLS

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

WOODED OR SHRUB AREA







STATE PROJECT	FEDERAL PROJECT						
STATE PROJECT	PROJECT	CONTRACT					
2565-07-70							











**BEGIN PROJECT** STA. 36+65.00

(Signature)

#### STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

Surveyor	DAAR ENGINEERING					
,	LAKESIDE ENGINEERS					
Designer						
Project Manager	ALLEN GILBERTSON, PE					
Regional Examiner	REGIONAL EXAMINER					
Regional Supervisor	JANET CANNON, PE					

E

PPROVED FOR THE DEPARTMENT

#### ORDER OF SECTION 2 SHEETS

PROJECT OVERVIEW TYPICAL SECTIONS STORM SEWER PAVEMENT MARKING TRAFFIC CONTROL STAGE CONSTRUCTION **DETOURS** 

ALIGNMENT

#### **ABBREVIATIONS**

ADT AVERAGE DAILY TRAFFIC AGG BAD AGGREGATE BASE AGGREGATE DENSE CB C&G CATCH BASIN CURB AND GUTTER CENTER TO CENTER C-C CONC CONCRETE CONCRETE SURFACE DRAIN CSD CTR CENTER HUNDREDWEIGHT CY CUBIC YARD DEGREE OF CURVE

DIRECTIONAL DISTRIBUTION DD DHV DESIGN HOUR VOLUME

DIAMETER DIA EAST FASTBOUND FB EL OR ELEV ELEVATION EXISTING

FULL SUPERELEVATION FT HE FOOT HIGHWAY EASEMENT НМА HOT MIX ASPHALT INCID INCIDENTAL INL INLET LENGTH OF CURVE LINEAR FOOT LONGITUDINAL LONG MANHOLE МН

MIN MINIMUM MATCH LINE NORTH N NB NORTHBOUND NORMAL CROWN NTS NOT TO SCALE PAVT PAVEMENT POINT OF CURVATURE PCC POINT OF COMPOUND CURVATURE POINT OF INTERSECTION
PERMANENT LIMITED EASEMENT PI PLE POINT OF TANGENCY PT

PVC POINT OF VERTICAL CURVATURE PVI PVT POINT OF VERTICAL INTERSECTION POINT OF VERTICAL TANGENCY

REINFORCED CONCRETE PIPE STORM SEWER RCPSS

REQUIRED REOD REFERENCE LINE R/L RO RT RUN OFF LENGTH RIGHT RW OR R/W RIGHT-OF-WAY

SOUTHBOUND SDD STANDARD DETAIL DRAWING

SHT SLOPE INTERCEPT STORM SEWER SS STA STATION SQUARE YARD SY SYM SYMMETRICAL TANGENT LENGTH TEMP TEMPORARY TYP TYPICAL

VELOCITY OR DESIGN SPEED VAR VARIABLE OR VARIES W WB WFST

WESTBOUND

#### **UTILITIES**

AT&T Wisconsin -

Communication Line Jay Bulanek 2005 Pewaukee Rd Waukesha, WI 53188-2443 (262) 896-7669 jb5175@att.com

City of Milwaukee - Electric,

Sewer, Water Jeffrey Polenske 841 N Broadway Room 701 Milwaukee, WI 53202 (414) 286-2400 jeffrey.polenske@milwaukee.gov

Milwaukee Metropolitan

Sewerage District - Sewer Micki Klapp-Sullivan

260 W Seeboth St Milwaukee, WI 53204-1446 (414) 225-2178

mklappasullivan@mmsd.com

Village of Brown Deer - Water

Thomas Nennig 4800 W Green Brook Dr Brown Deer, WI 53223-2496 (414) 559-6883

Greg.Heisel@milwcnty.com

Tom.nennig@citywaterusa.com

ATC Management, Inc. -

Electricity-transmission

Mike Olsen 801 O'keefe Rd P.O. Box 6113 De Pere, WI 54115-6113 (920) 338-6582 molsen@atcllc.com

Level 3 Communications LLC -

Communication Line Xan Marie Rypkema 1025 Eldorado Blvd Broomfield, CO 80021 (720) 888-1089 xan.rypkema@centurylink.com

PaeTec Communications, LLC -

Communication Line Mary Beth Fisher 13935 Bishops Dr Brookfield, WI 53005 (262) 792-7938

Mary.B.Fisher@windstream.com

Village of Brown Deer –

Sanitary Sewer Matthew Maederer 4800 W Green Brook Dr Brown Deer, WI 53223-2496 (414) 371-3021 mmaeder@browndeerwi.org Midwest Fiber Networks LLC -

Communication Line Richard Trgovec 6070 North Flint Rd Glendale, WI 53209 (414) 459-3554

rtrgovec@midwestfibernetworks.com

Spectrum - Communication Line

Steven Cramer 1320 N Dr Martin Luther King Jr Dr Milwaukee, WI 53212-4002 (414) 277-4045 wis.engineering@twcable.com

Village of River Hills - Sewer,

Water Chris Lear 7650 N Pheasant Ln River Hills, WI 53217 (414) 352-8213 clear@vil.river-hills.wi.us Wisconsin Department of

Transportation - Street Lighting

Eric Perea 141 NW Barstow Street Waukesha, WI 53087-0798 (262) 574-5422 Eric.Perea@dot.wi.gov

Wisconsin Department of

Transportation - Signals Justin Effinger

141 NW Barstow St P.O. Box 798 Waukesha, WI 53187-0798 (262) 548-5676 justin.effinger@dot.wi.gov

We Energies - Electricity,

Gas/Petroleum Dan Sande 333 W Everett St A299 Milwaukee, WI 53203 (414) 221-4578 Dan.Sande@we-energies.com

Windstream KDL & NTI, LLC -

**DESIGNER** 

Communication Line Mary Beth Fisher 13935 Bishops Dr Brookfield, WI 53005 (262) 792-7938 Mary.B.Fisher@windstream.com

**LOCAL AGENCIES** 

Milwaukee County Department

of Public Works - Road Facility **Gregory Heisel** 10320 W. Watertown Plank Rd. Milwaukee, WI 53226 (414) 257-6566

STATE AGENCIES

Wisconsin Department of

Wisconsin Department of

2300 North Dr Martin Luther King Jr Dr

kristina.betzold@wisconsin.gov

Transportation Allen Gilbertson 141 NW Barstow St Waukesha, WI 53187-0798 (262) 548-8817 Allen.Gilbertson@dot.wi.gov

Natural Resources

Milwaukee, WI 53212

Kristina Betzol

(414) 507-4946

**OTHER AGENCIES** 

Southeast Wisconsin Regional

Planning Commission

Lakeside Engineers, LLC

Mike Ernst 909 N Mayfair Rd Wauwatosa, WI 53226 (262) 789-8200 Mike.Ernst@lakesideengineers.com

Canadian National Railway

Company

Milwaukee County Transit System

Mark McComb 1742 N 17th St Milwaukee, WI 53205

Dial [11] or (800)242-8511 www.DiggersHotline.com

PROJECT NO: 2565-07-70

**HWY: STH 57** 

**COUNTY: MILWAUKEE** 

**GENERAL NOTES** 

SHEET



WISDOT / CADDS SHEET 42

PLOT DATE : 3/24/2018 12:38 PM FILE NAME : PLOT BY : PLOT NAME: 020101 an PLOT SCALE: 1.000000:1.000000

**GENERAL NOTES** 

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXCEPT AREAS WITHIN THE FINISHED SHOULDER POINTS, SHALL BE FERTILIZED, SEEDED, AND MULCHED.

THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILTY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN. THE CONTRACTOR IS FULLY RESPONSIBLE FOR LOCATING AND AVOIDING ALL UNDERGROUND AND ABOVE GROUND STRUCTURES AND FACILITIES.

STATIONING, DISTANCES, AND OFFSETS FOR SIGNS SHOWN ON THE PLANS ARE APPROXIMATE AND THE FINAL LOCATION OF THE SIGNS ARE TO BE DETERMINED BY THE ENGINEER

TRAFFIC CONRTOL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

WETLAND, WATERWAYS, AND OTHER ENVIRONMENTALLY SENSITIVE AREAS SHALL BE PROTECTED AT ALL TIMES. DO NOT STORE EQUIPMENT OR MATERIAL NEAR THESE SITES UNLESS APPROVED BY THE ENGINEER.

RE-TOPSOIL OF GRADED AREAS, AS DESIGNATED BY THE ENGINEER, IMMEDIATELY AFTER GRADING IS COMPLETED WITHIN THOSE AREAS. SEED, FERTILIZE, AND MULCH/EROSION MAT TOP-SOILED AREAS, AS DESIGNATED BY THE ENGINEER, WITHIN FIVE (5) CALENDAR DAYS AFTER PLACEMENT OF TOPSOIL. IF GRADED AREAS ARE LEFT EXPOSED FOR MORE THAN FOURTEEN (14) CALENDAR DAYS, SEED THOSE AREAS WITH TEMPORARY SEED.

STOCKPILE EXCESS MATERIAL OR SPOILS ON UPLAND AREAS AWAY FROM WETLANDS, FLOODPLAINS, AND WATERWAYS. STOCKPILED SOIL SHALL BE PROTECTED AGAINST EROSION. IF STOCKPILED MATERIAL IS LEFT FOR MORE THAN FOURTEEN (14) CALENDAR DAYS, SEED THE STOCKPILE WITH TEMPORARY SEED.

EROSION CONTROL BMP'S ARE AT SUGGESTED LOCATIONS. THE ACTUAL LOCATIONS WILL BE DETERMINED BY THE CONTRACTOR'S ECIP AND BY THE ENGINEER. EROSION CONTROL BMP'S SHALL BE MAINTAINED UNTIL PERMANENT VEGETATION IS ESTABLISHED OR UNTIL THE ENGINEER DETERMINES THAT THE BMP IS NO LONGER REQUIRED.

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

ANY REINFORCEMENT LOCATED IN EXISTING CONCRETE PAVEMENT SHALL BE CONSIDERED INCIDENTAL TO THE REMOVING PAVEMENT ITEM, AND NO ADDITIONAL COMPENSATION WILL BE GRANTED.

NOTIFY DIGGERS HOTLINE AND AFFECTED UTILITIES PRIOR TO THE START OF WORK. ANY LOCAL MUNICIPAL UTILITY WHICH IS NOT A MEMBER OF THE DIGGERS HOTLINE MUST BE CONTACTED SEPARATELY.

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

CURB HEIGHTS AT THE END OF CURB AND GUTTER SHALL BE TAPERED FROM 0 TO 4 INCHES OR 0 TO 6 INCHES IN 6 FEET.

CURB AND GUTTER GRADES ARE GIVEN TO THE FLANGE OF CURB AND GUTTER OR THEORETICAL FLANGE POINT OF INTEGRAL CURB AND GUTTER. CURB AND GUTTER RADII ARE MEASURED TO THE FLANGE OF CURB AND GUTTER OR THEORETICAL FLANGE POINT OF INTEGRAL CURB AND GUTTER.

EXISTING DRIVEWAYS AND FIELD ENTRANCES SHALL BE RESTORED IN KIND AS DIRECTED BY THE ENGINEER IN THE FIELD AND AT THE LOCATION DETERMINED BY THE ENGINEER. PROVIDE A TYPICAL SIDEWALK CROSS SLOPE OF 1.5% WITH A CONSTRUCTION TOLERANCE OF +/- 0.5%.

A SAWED JOINT IS REQUIRED WHERE NEW HMA PAVEMENT MEETS EXISTING HMA PAVEMENT.

REMOVAL OF EROSION CONTROL DEVICES IS INCLUDED IN THE COST OF THEIR RESPECTIVE BID ITEMS.

FERTILIZER SHALL NOT BE USED WITHIN 100' OF NAVIGABLE WATERWAYS OR WETLANDS. WHEN DEFINING THE PAVEMENT STRUCTURE, THE BOTTOM OF THE BASE AGGREGATE DENSE IS CONSIDERED THE SUBGRADE LINE. THE SELECT CRUSHED MATERIAL LAYER IS A SUBGRADE IMPROVEMENT.

CONTACT THE PROJECT ENGINEER AND THE SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION (SEWRPC) AT LEAST TWO WEEKS PRIOR TO WORK NEAR ANY PUBLIC SURVEY MONUMENT.

SAW CUTS IN EXISTING PAVEMENT AND SIDEWALKS SHALL BE TO NEAT STRAIGHT LINES. EDGES OF SAW CUT EDGES DAMAGED DURING CONSTRUCTION SHALL BE RECUT PRIOR TO ACCEPTANCE FOR PAVING.

SAWCUT ASPHALTIC AND CONCRETE DRIVEWAYS AND/OR PARKING LOTS AT THE MATCHLINE AS SHOWN ON THE PAVING DETAILS OR AS DIRECTED BY THE ENGINEER.

PROVIDE A CONCRETE JOINT DETAIL PLAN 14 DAYS PRIOR TO PAVING FOR APPROVAL BY THE ENGINEER. 15' MAXIMUM SPACING FOR LONGITUDINAL JOINTS. CONCRETE PAVEMENT TINING SHALL BE LONGITUDINAL.

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

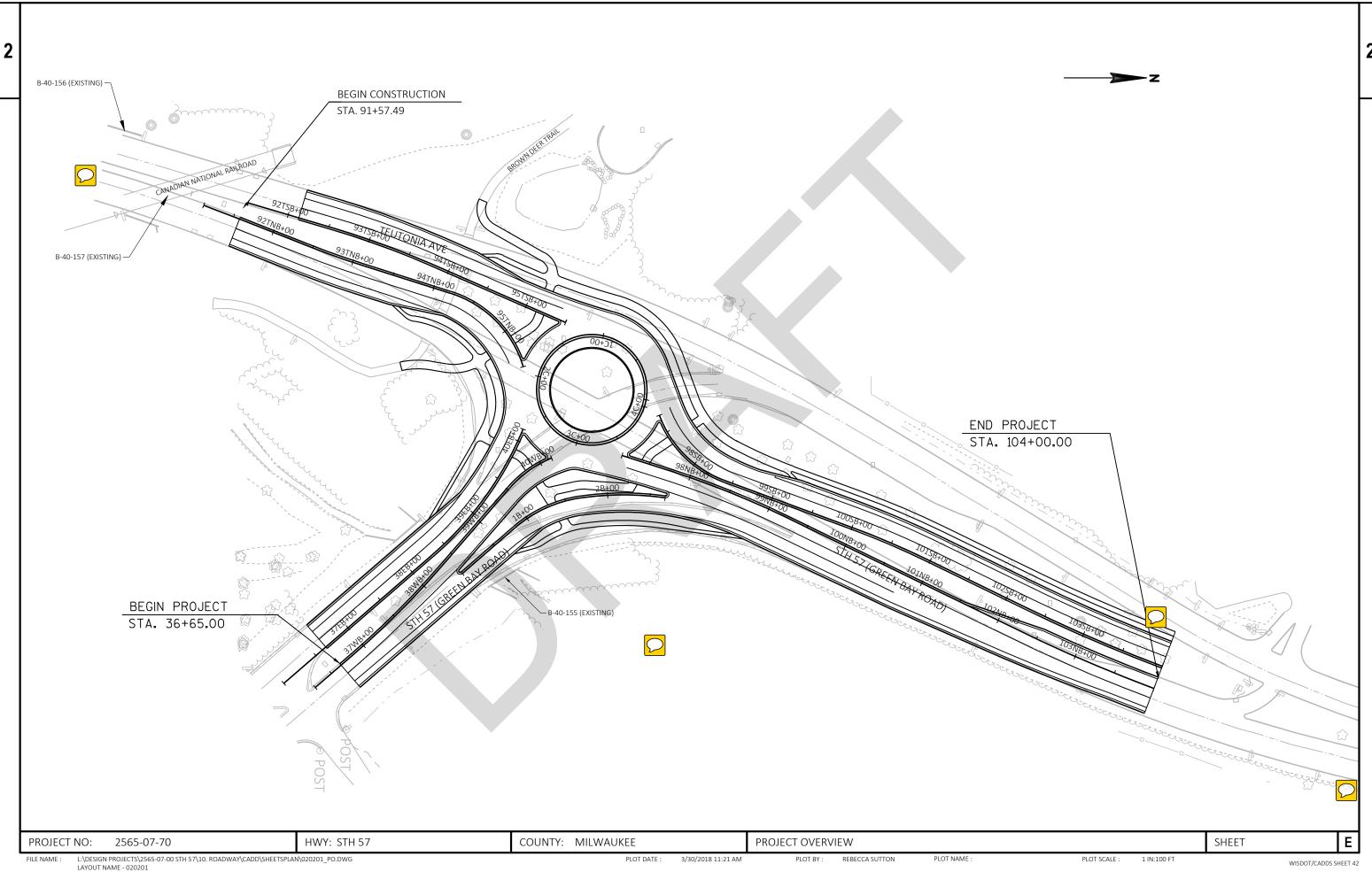
THE EXACT LOCATION OF EXCAVATION BELOW SUBGRADE (EBS) WILL BE DETERMINED BY THE ENGINEER.

UITLITY TRENCH PAVEMENT RESTORATION SHALL BE CONSTRUCTED WITH ASPHALTIC SURFACE 5-INCH ON BASE AGGREGATE DENSE 1 1/4-INCH, 10-INCH.

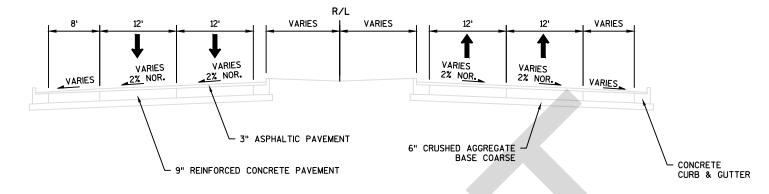
PROJECT NO: 2565-07-70 HWY: STH 57 COUNTY: MILWAUKEE GENERAL NOTES SHEET **E** 

FILE NAME : PLOT DATE : 3/24/2018 12:38 PM PLOT BY : PLOT NAME : 020101\_gn PLOT SCALE : 1.000000:1.000000 WISDOT / CADDS SHEET 42

2



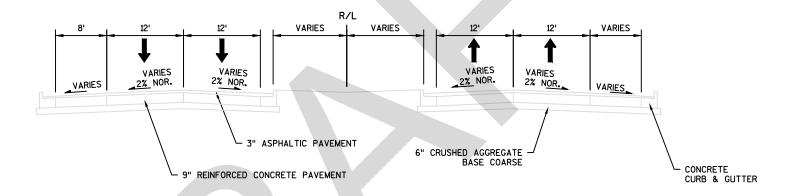




#### TYPICAL EXISTING SECTION

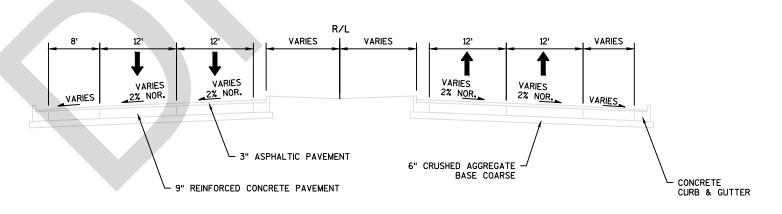
STH 57

STA 36+65 TO STA 41+00



#### TYPICAL EXISTING SECTION

STH 57 STA 96+50 TO STA 104+00



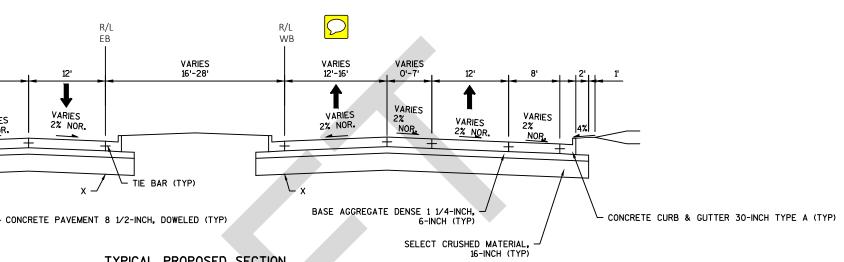
#### TYPICAL EXISTING SECTION

TEUTONIA AVENUE

STA 91+90 TO STA 96+50

PROJECT NO:2565-07-70 HWY:STH 57 SHEET E COUNTY: MILWAUKEE TYPICAL SECTIONS PLOT NAME :





TYPICAL PROPOSED SECTION

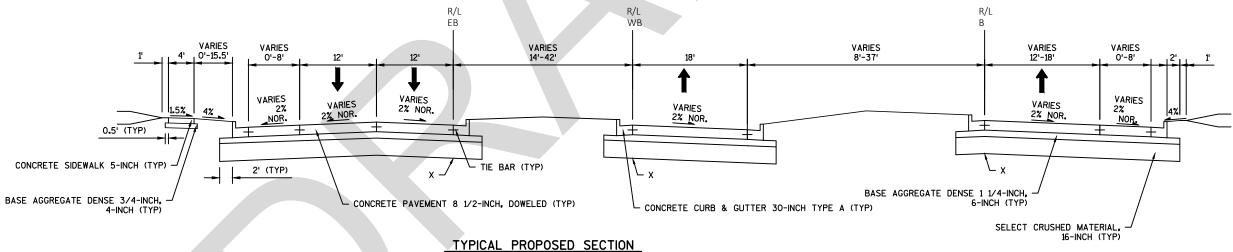
VARIES 2% NOR.

2' (TYP)

VARIES

STH 57

STA 36+25 TO STA 38+40



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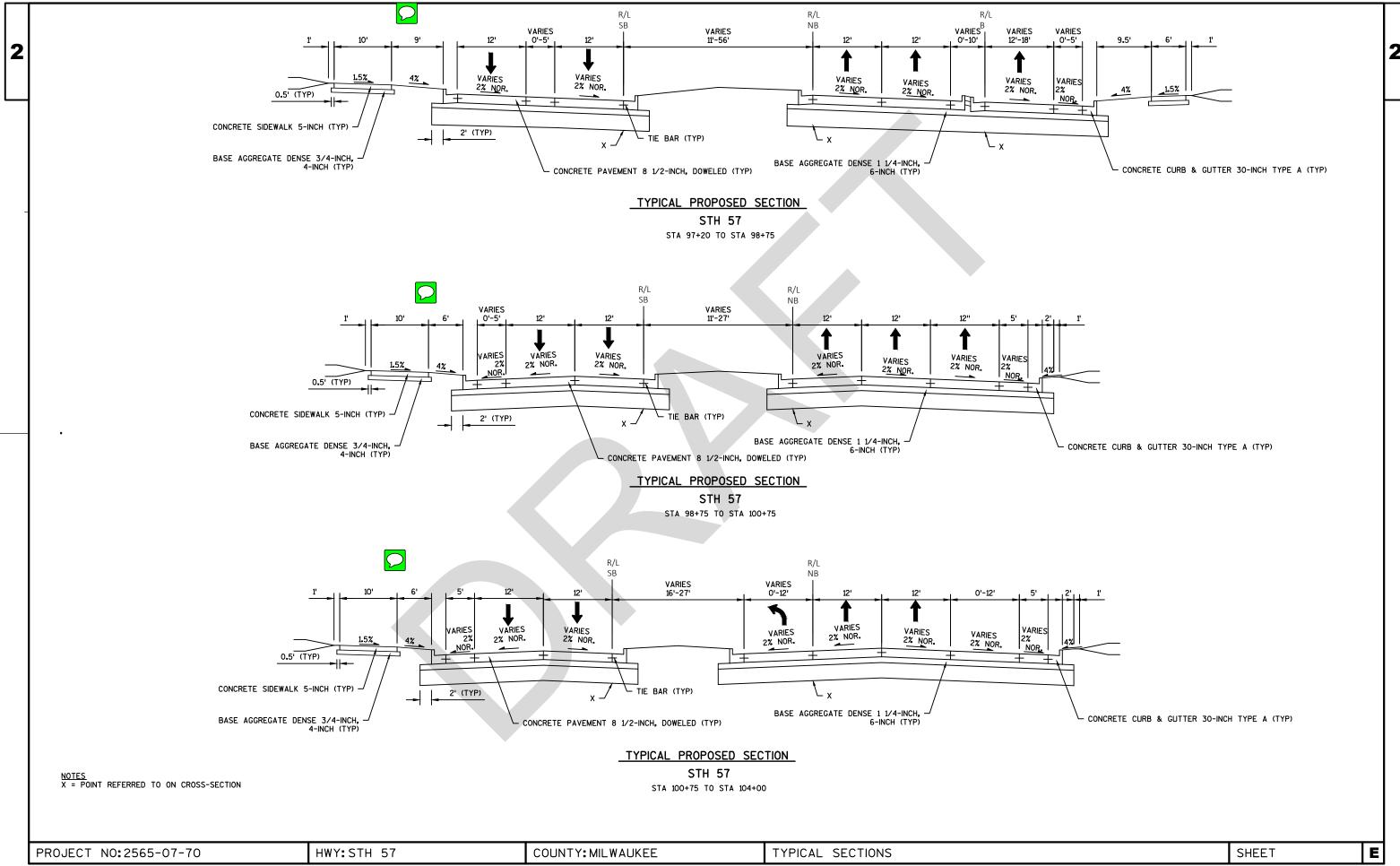
STH 57 STA 38+40 TO STA 40+00

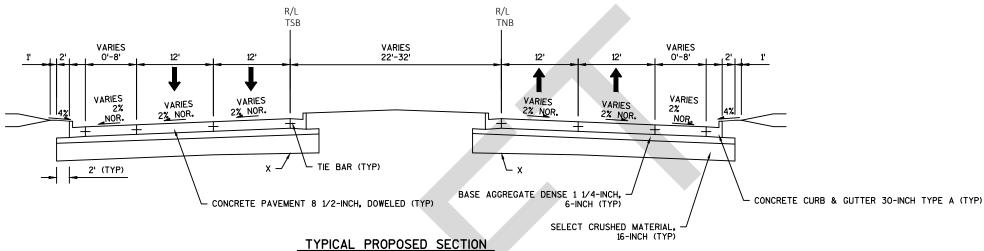
<u>NOTES</u>

X = POINT REFERRED TO ON CROSS-SECTION

PROJECT NO:2565-07-70 HWY:STH 57 COUNTY:MILWAUKEE TYPICAL SECTIONS SHEET **E** 

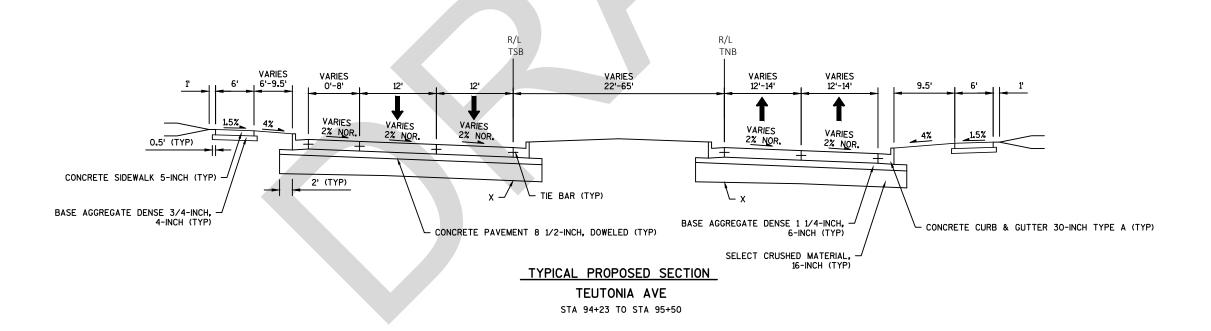
PLOT NAME :





TEUTONIA AVE

STA 91+90 TO STA 94+23

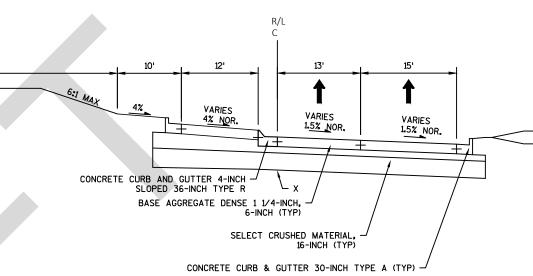


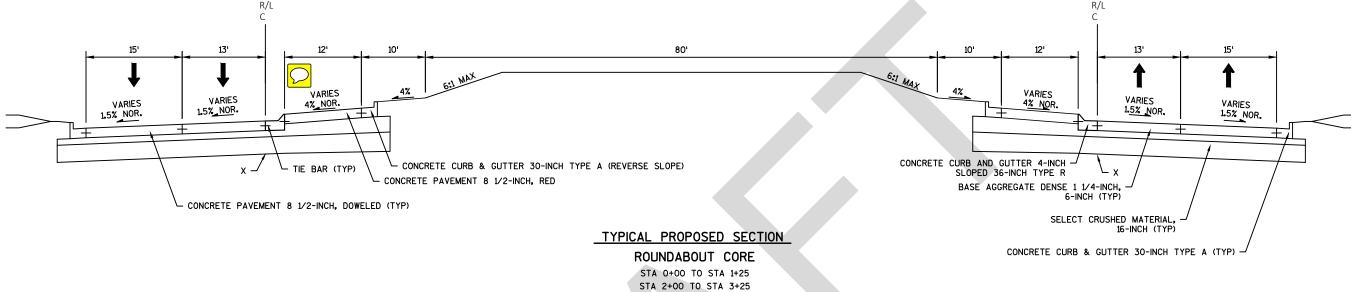
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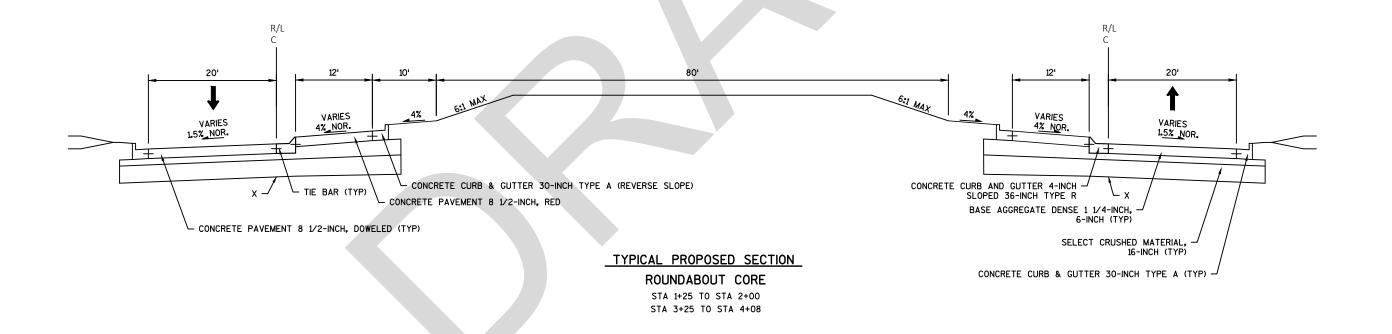
PROJECT NO: 2565-07-70 HWY:STH 57 COUNTY: MILWAUKEE SHEET E TYPICAL SECTIONS

PLOT NAME :





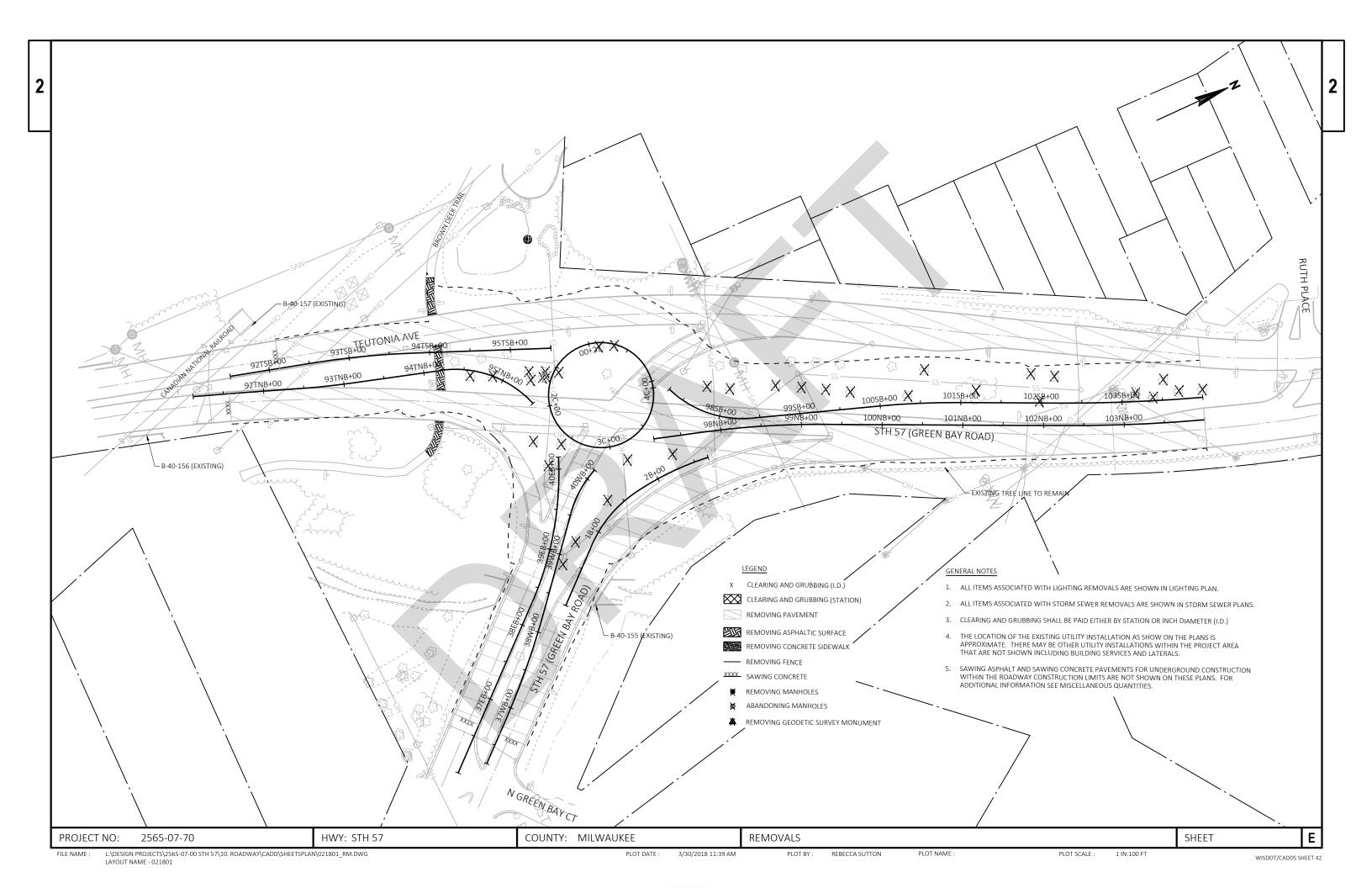


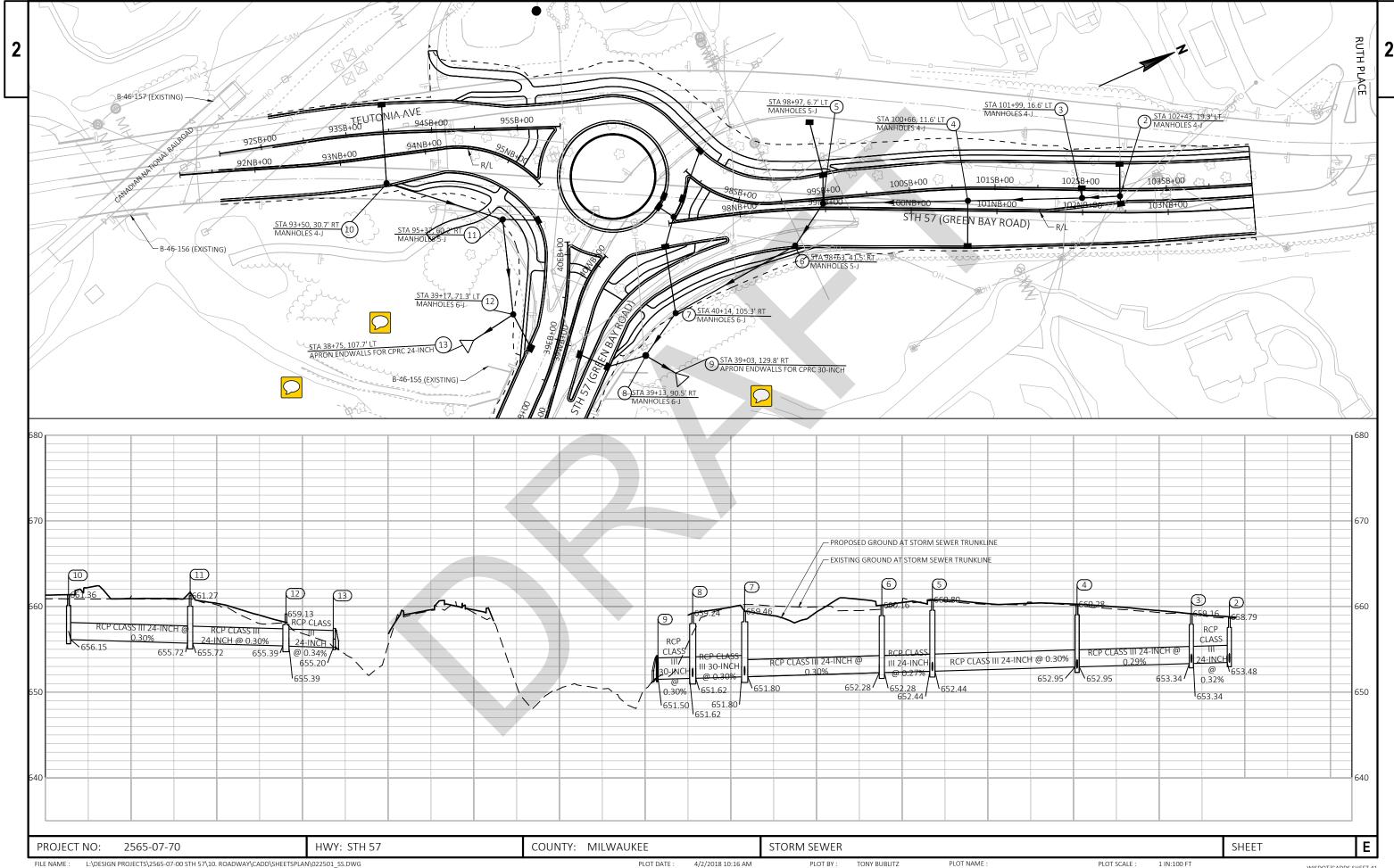


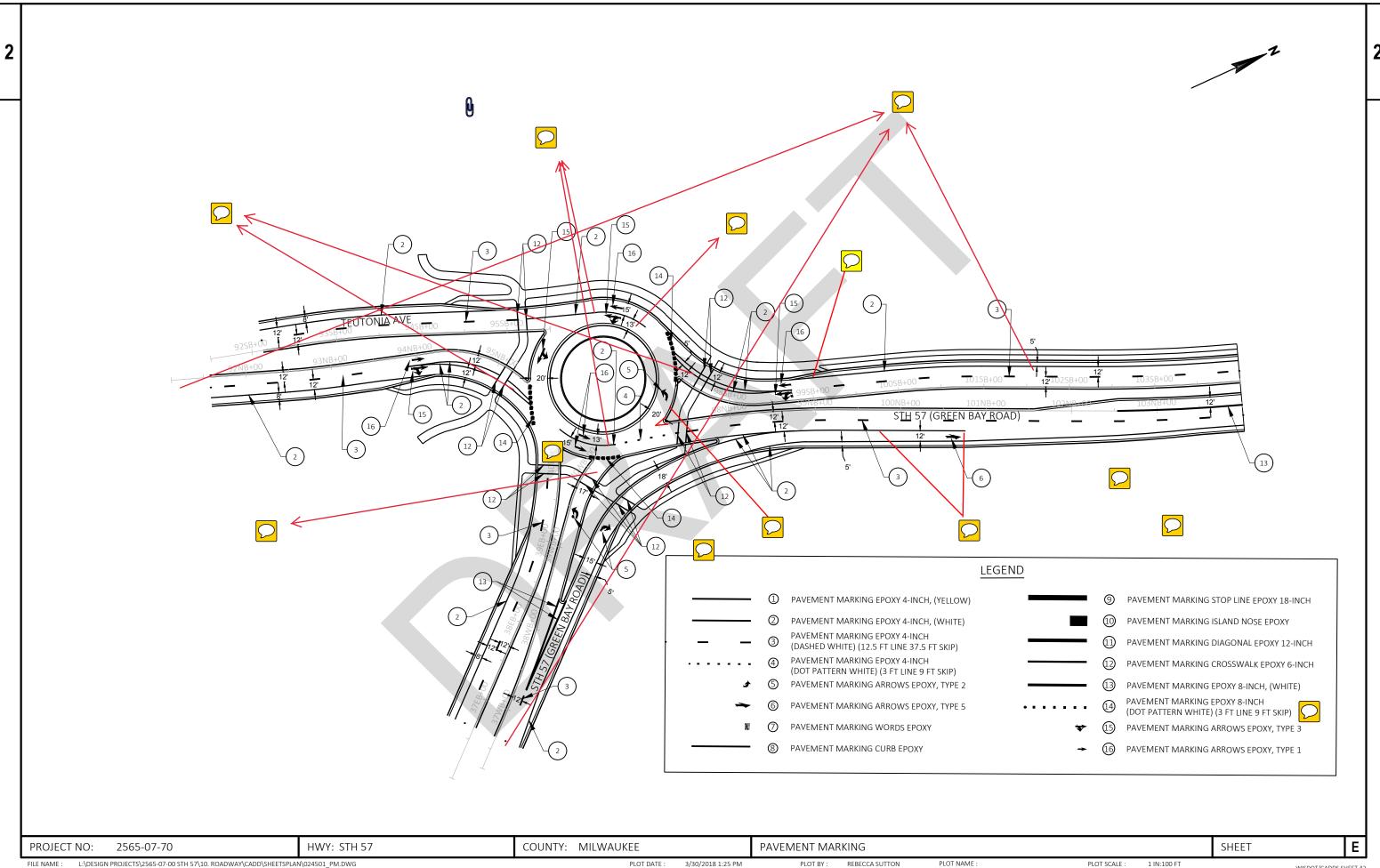
NOTES X = POINT REFERRED TO ON CROSS-SECTION

PROJECT NO:2565-07-70 HWY:STH 57 COUNTY: MILWAUKEE SHEET E TYPICAL SECTIONS

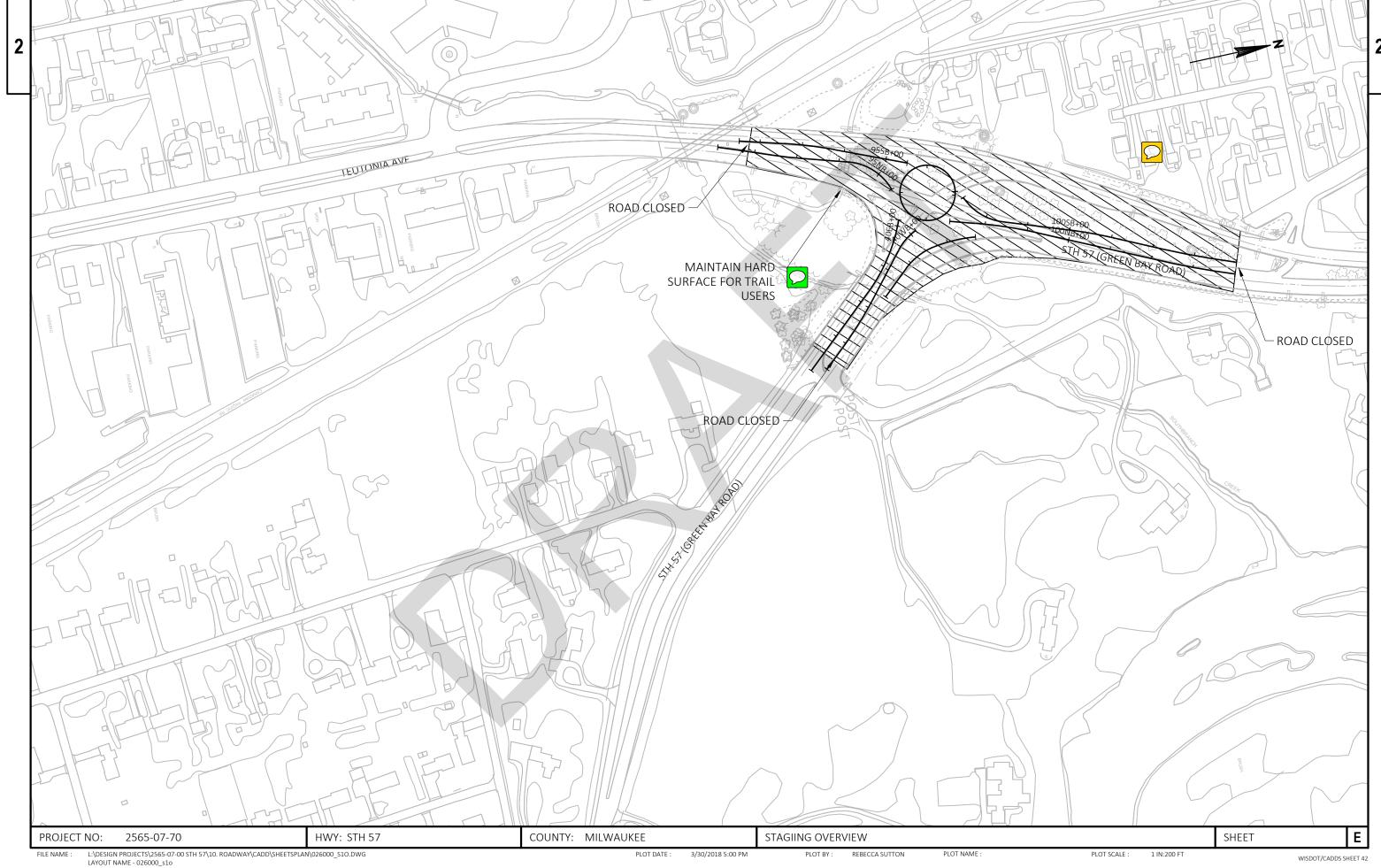
2



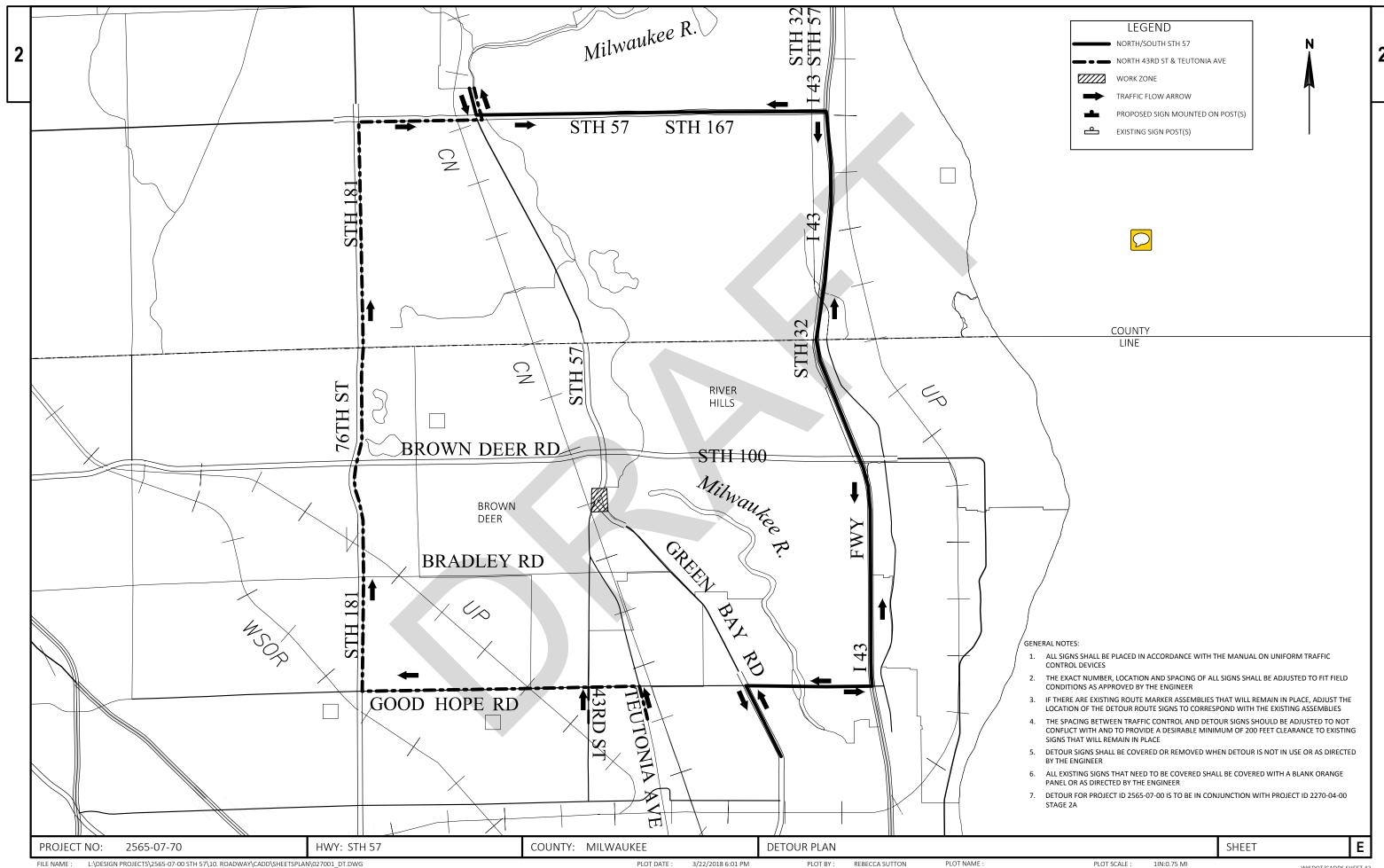


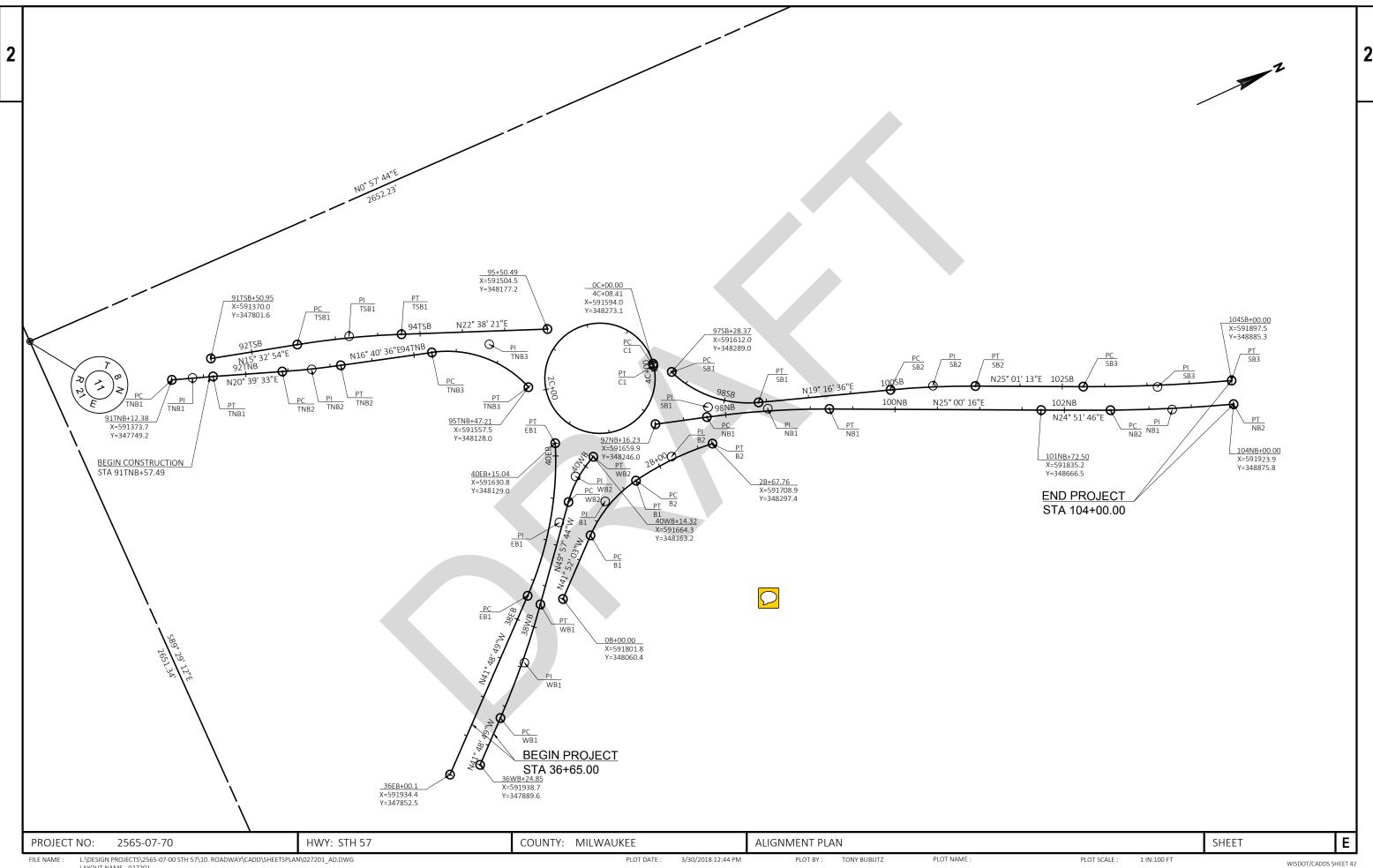






WISDOT/CADDS SHEET 42





					DELTA	DEGREE	TANGENT	LENGTH	EXTERNAL DISTANCE	RADIUS								
NUMBER	ROADWAY NAME	PI STATION	PI COORDINATES		PI COORDINATES		Δ	D	Т		E	R	R PC STATION	PC COORDINATES		PT STATION	PT COORDINATES	
			Х	Υ								Х	Υ		Х	Υ		
WB1	STH 57 WB	37+56.45	591851	347987.7	8° 8' 55.13"	5° 43' 46.48"	71.230'	142.221'	2.534'	1000.000'	36+85.22	591898.5	347934.6	38+27.44	591796.5	348033.5		
WB2	STH 57 WB	39+84.16	591676.5	348134.4	27° 5' 48.94"	44° 4' 25.24"	31.327'	61.481'	3.721'	130.000'	39+52.83	591700.5	348114.2	40+14.32	591664.3	348163.2		
EB1	STH 57 EB	39+24.38	591718.2	348.094.2	26° 27' 10.1"	14° 19' 26.2"	94.014'	184.675'	10.900'	400.000'	38+30.37	591780.9	348024.1	40+15.04	591630.8	348129		
NB1	STH 57 NB	98+50.13	591698.8	348374.1	8° 6' 56.07"	5° 35' 43.05"	72.643'	145.043'	2.573'	1024.000'	97+77.48	591677.7	348304.6	99+22.53	591729.5	348439.9		
NB2	STH 57 NB	103+27.22	591899.3	348807.3	4° 20' 14.1"	2° 58' 41.41"	72.852'	145.635'	1.379'	1923.859'	102+54.37	591869.6	348740.7	104+00.00	591923.9	348875.8		
SB1	STH 57 SB	97+88.23	591667.7	348310.8	49° 26' 13.56"	44° 4' 25.24"	59.844'	112.169'	13.113'	130.000'	97+28.37	591612	348289	98+40.54	591687.5	348367.2		
SB2	STH 57 SB	100+47.25	591755.7	348562.4	5° 44' 36.13"	5° 43' 46.48"	50.162'	100.241'	1.257'	1000.000'	99+97.09	591739.2	348515	100+97.33	591776.9	348607.8		
SB3	STH 57 SB	103+12.42	591867.9	348802.7	5° 17' 51.58"	3° 1' 19.75"	87.710'	175.294'	2.028'	1895.859'	102+24.71	591830.8	348723.2	104+00.00	591897.5	348885.3		
TNB1	TEUTONIA NB	91+36.83	591381.7	347772.3	1° 28' 40.75'"	3° 1' 19.75'"	24.454'	48.905'	.158'	1895.859'	91+12.38	591373.7	347749.2	91+61.28	591390.3	347795.2		
TNB2	TEUTONIA NB	92+77.88	591431.5	347904.3	3° 58' 57.46'"	5° 43' 46.48'"	34.769'	69.510'	.604'	1000.000'	92+43.11	591419.2	347871.7	93+12.62	591441.5	347937.6		
TNB3	TEUTONIA NB	94+89.61	591492.2	348107.1	55° 34' 59.76'"	44° 4' 25.24'"	68.517'	126.114'	16.951'	130.000'	94+21.1	591472.6	348041.5	95+47.21	591557.5	348128		
TSB1	TEUTONIA SB	93+16.25	591414.3	347960.8	7° 5' 27.05'"	5° 43' 46.48'"	61.958'	123.759'	1.918'	1000.000'	92+54.29	591397.7	347901.1	93+78.05	591438.2	348018		
C1	CENTER				360°	88° 8' 50.47'"	1.175'	408.407'	.011'	65.000'	00+00	591594	348273.1	04+08.41	591594	348273.1		
B1	BYPASS	01+25.74	591717.9	348154	32° 32' 44.67'"	38° 11' 49.87'"	43.786'	85.205'	6.260'	150.000'	00+81.95	591747.1	348121.4	01+67.15	591710.8	348197.2		
B2	BYPASS	02+17.81	591702.6	348247.2	16° 28' 12.22'"	16° 22' 12.8'"	50.654'	100.610'	3.647'	350.000'	01+67.15	591710.8	348197.2	02+67.76	591708.9	348297.4		

HWY: STH 57 COUNTY: MILWAUKEE SHEET E ALIGNMENT PLAN PROJECT NO: 2565-07-70 PLOT BY: TONY BUBLITZ PLOT NAME :

