PROJECT ID: 5290-00-72
WITH: PROJECTID2

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 =

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
5290-00-72		

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

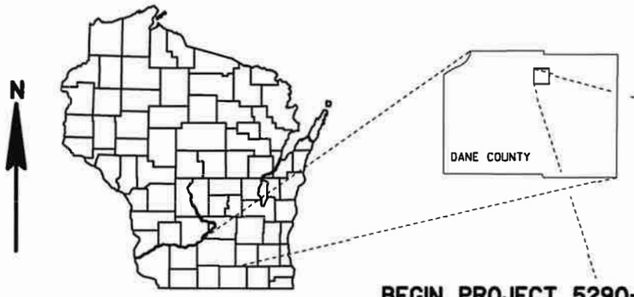
USH 12 - IH 39

RIVER ROAD TO IH 39

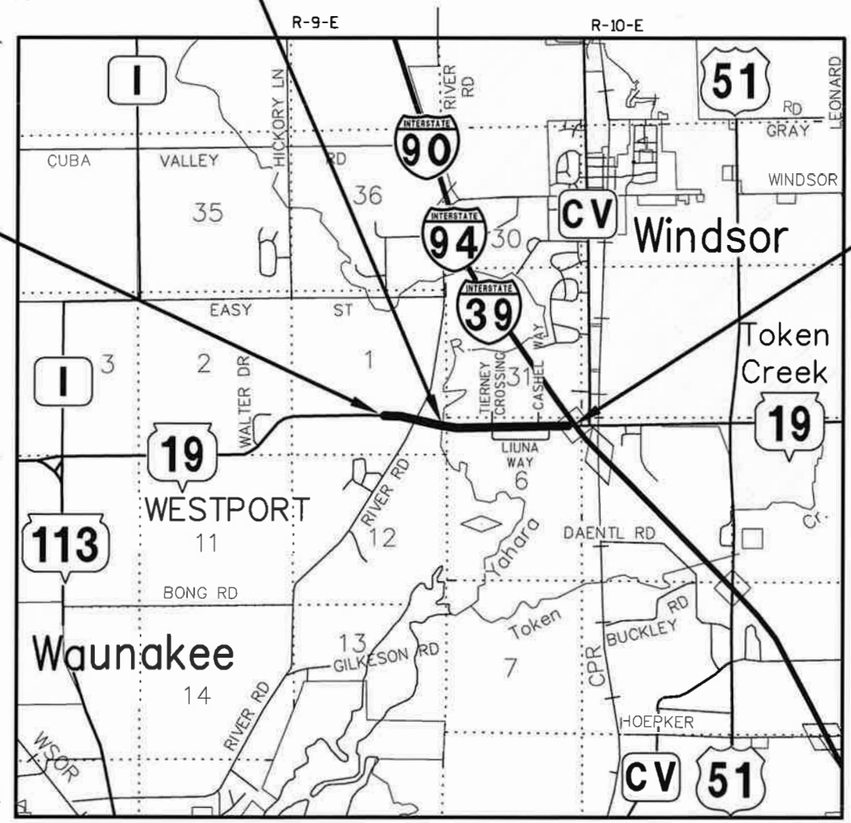
STH 19

DANE COUNTY

STATE PROJECT NUMBER
5290-00-72



STUCTURES B-13-794 & B-13-795



BEGIN PROJECT 5290-00-72
STA. 134+80.00'EB'
Y =526,885.870
X =825,141.982

END PROJECT 5290-00-72
STA. 194+00.00'EB'

DESIGN DESIGNATION

A.A.D.T. (2020)	=	28,000
A.A.D.T. (2040)	=	33,000
D.H.V. (K30,TWO WAY)	=	3,760
D.D. (%)	=	60/40
T. (%)	=	5.6%
DESIGN SPEED (MPH)	=	60 (WEST OF E. LIUNA WAY) 50 (WEST OF E. LIUNA WAY)
ESALS	=	5,800,000

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
- EXISTING CULVERT
- PROPOSED CULVERT (Box or Pipe)
- COMBUSTIBLE FLUIDS (CAUTION)
- MARSH AREA
- WOODED OR SHRUB AREA

PROFILE
- GRADE LINE
- ORIGINAL GROUND
- MARSH OR ROCK PROFILE (To be noted as such) (ROCK)
- SPECIAL DITCH (LABEL)
- GRADE ELEVATION (95.36)
- CULVERT (Profile View)

UTILITIES
- ELECTRIC (E)
- FIBER OPTIC (FO)
- GAS (G)
- SANITARY SEWER (SAN)
- STORM SEWER (SS)
- TELEPHONE (T)
- WATER (W)
- UTILITY PEDESTAL
- POWER POLE
- TELEPHONE POLE

LAYOUT
SCALE 0 1 mi.

TOTAL NET LENGTH OF CENTERLINE = 1.121 mi.

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY ZONE, NAD83 (2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ELEVATIONS SHOWN ON THIS PLAN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988, NAVD88 (2012).

ORIGINAL PLANS PREPARED BY:
AYRES ASSOCIATES

WISCONSIN
MATTHEW R. BARR
E-26188
MADISON
WI
PROFESSIONAL ENGINEER
4/23/19

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	AYRES ASSOCIATES
Designer	AYRES ASSOCIATES
Project Manager	ALEX HAGEN
Regional Examiner	SW REGION
Regional Supervisor	KARLA KNORR

APPROVED FOR THE DEPARTMENT
DATE: 4/30/2019 (Signature)

E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0101_TI.DWG PLOT DATE : 4/18/2019 8:01 AM PLOT BY : KRUEGER, KIRK PLOT NAME :

WISDOT/CADDS SHEET 10

GENERAL NOTES

THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLAN ARE APPROXIMATE. THERE MAY BE OTHER INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

THE CONTRACTOR SHALL COORDINATE HIS CONSTRUCTION ACTIVITIES WITH A CALL TO DIGGERS HOTLINE AND/OR A CALL TO THE UTILITIES THAT HAVE FACILITIES IN THE AREA. NOT ALL UTILITIES ARE MEMBERS OF DIGGERS HOTLINE.

TEMPORARY STORAGE OF ANY EXCAVATION EQUIPMENT OR MATERIALS WILL NOT BE PERMITTED IN WETLANDS, FLOODWAY OR FLOODPLAIN OF ANY WETLANDS.

EROSION CONTROL FEATURES ARE SHOWN AT APPROXIMATE LOCATIONS, WITH EXACT LOCATIONS TO BE DETERMINED BY THE ENGINEER. REMOVAL OF ITEMS ARE INCIDENTAL TO THE RESPECTIVE EROSION CONTROL BID ITEM COSTS.

PLACE SALVAGED TOPSOIL OR TOPSOIL IN ALL GRADED AREAS AS DESIGNATED BY THE ENGINEER IMMEDIATELY AFTER GRADING HAS BEEN COMPLETED. SEED, MULCH AND FERTILIZE ALL AREAS 5 DAYS AFTER PLACEMENT OF SALVAGED TOPSOIL OR TOPSOIL.

NO TREES OR SHRUBS SHALL BE REMOVED WITHOUT APPROVAL BY THE ENGINEER. FINAL LIMITS OF FENCE REMOVAL TO BE DETERMINED BY THE ENGINEER.

RESHAPE AND SEEDING OF ANY PREVIOUSLY GRASSED AREAS WHICH ARE DISTURBED BY OPERATIONS OUTSIDE OF THE ENGINEER DETERMINED CONSTRUCTION LIMITS ARE INCIDENTAL TO THE CONTRACT.

STATIONING, DISTANCES, AND OFFSETS FOR SIGNS AND TRAFFIC CONTROL DEVICES SHOWN IN THE PLANS ARE APPROXIMATE. EXACT LOCATIONS ARE DETERMINED BY THE ENGINEER.

COVER ALL SIGNS IN CONFLICT WITH TRAFFIC CONTROL "IN USE" AS SHOWN IN THE PLANS OR AS DIRECTED BY THE ENGINEER.

AFTER PLACING CURB & GUTTER, ANY EXCESS CONCRETE PROTRUDING FROM THE BACK OF CURB LINE SHALL BE REMOVED BY THE CONTRACTOR BEFORE BACKFILLING.

THE CONTRACTOR'S PAVING OPERATIONS SHALL BE CONSISTENT WITH THE PLAN TYPICAL SECTIONS AND CONSTRUCTED TO PREVENT LONGITUDINAL JOINTS FROM BEING LOCATED WITHIN A TRAFFIC LANE.

HMA PAVEMENT WEIGHT CALCULATIONS ARE BASED ON 110 LB/SY/IN.

SEE TYPICAL FINISHED SECTIONS FOR HMA PAVEMENT LAYERS.

SOILS REPORTS PREPARED FOR THE PROJECT ARE AVAILABLE FOR REVIEW. CONTACT WISDOT PROJECT MANAGER ALEX HAGEN.

ABBREVIATIONS

A.D.T.	AVERAGE DAILY TRAFFIC
ATMS	ARTERIAL TRAFFIC MANAGEMENT SYSTEM
BM	BENCHMARK
BOC	BACK OF CURB
BTWN	BETWEEN
C&G	CURB AND GUTTER
C.E.	COMMERCIAL ENTRANCE
CONST	CONSTRUCTION
CP	CONTROL POINT
CTR.	CENTER
D.D.	DIRECTIONAL DISTRIBUTION
D.H.V.	DESIGN HOURLY VOLUME
DMS	DYNAMIC MESSAGE SIGN
EB	EASTBOUND
EXIST	EXISTING
GALV.	GALVANIZED
HMA	HOT MIX ASPHALT
H.S.	HIGH STRENGTH
ITS	INTELLIGENT TRAFFIC SYSTEM
MAX	MAXIMUM
MIN	MINIMUM
NB	NORTHBOUND
NOR	NORMAL
PC	POINT OF CURVATURE
PCC	POINT OF COMMON CURVATURE
PGL	PROFILE GRADE LINE
PI	POINT OF INTERSECTION
PRC	POINT OF REVERSE CURVATURE
PT	POINT OF TANGENCY
PVT	PAVEMENT
R/L	REFERENCE LINE
REQ'D	REQUIRED
SB	SOUTHBOUND
SYM	SYMMETRICAL
T.	PERCENT TRUCKS
TCC	TRAFFIC CONDITION CAMERA
TYP	TYPICAL
VAR	VARIABLE
WB	WESTBOUND
W+.	WEIGHT
X-WALK	CROSS WALK

ORDER OF SECTION 2 SHEETS

GENERAL NOTES AND CONTACTS
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
PAVING GRADES
PAVING DETAILS
DRAINAGE & EROSION CONTROL
STORM SEWER PLAN
UNDERDRAIN PLAN
EXISTING UTILITIES
SIGN REMOVALS
PERMANENT SIGNING AND PAVEMENT MARKING
LIGHTING PLAN
TRAFFIC SIGNAL PLAN
TRAFFIC CONTROL & STAGE CONSTRUCTION
ALIGNMENT DIAGRAM

PROJECT CONTACTS

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steven.bishop@centurylink.com

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BONNIE BEACH
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MADISON, WI 53704
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bonnie.s.beach@verizon.com

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	PROJECT OVERVIEW	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0202_PO.DWG
LAYOUT NAME - 5290-00-02_0202_PO - 01

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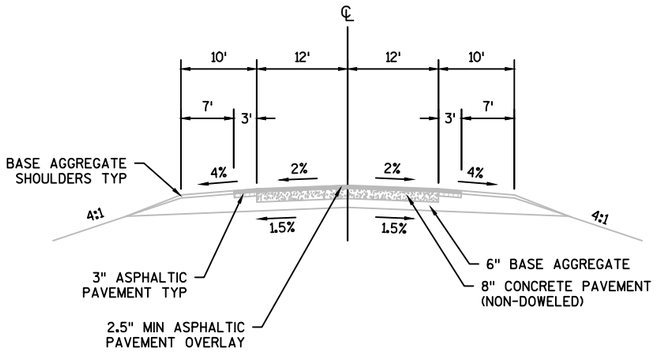
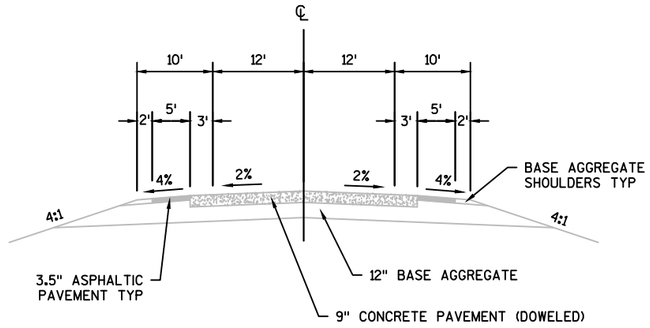


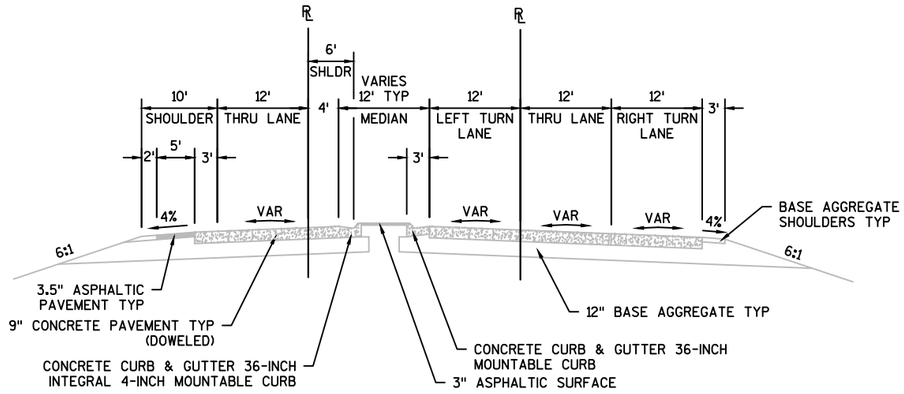
TYPICAL EXISTING SECTION - STH 19

STA. 120+00'EB' TO STA. 134+82'EB'
STA. 155+50'WB' TO STA. 179+97'WB'



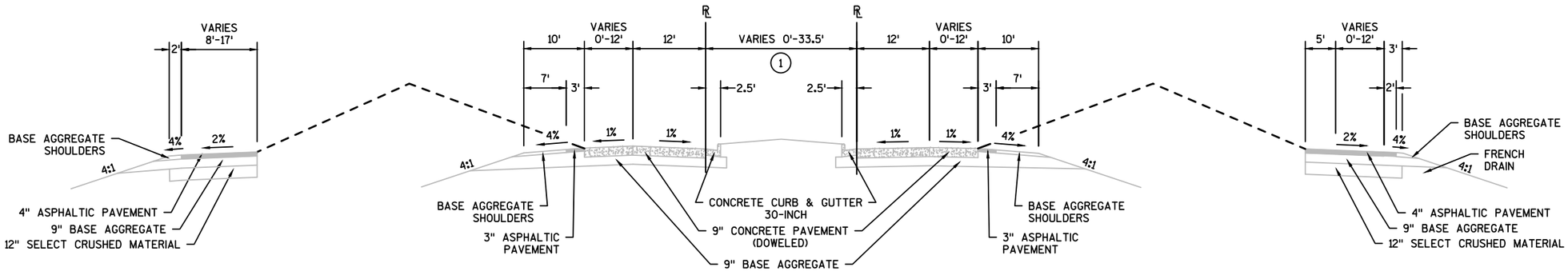
TYPICAL EXISTING SECTION - STH 19

STA. 134+82'WB' TO STA. 140+18'WB'
STA. 151+43'WB' TO STA. 154+75'WB'



TYPICAL EXISTING TURN LANE SECTION - STH 19

STA. 140+18'WB' TO STA. 144+12'WB'
STA. 145+90'WB' TO STA. 151+43'WB' (MIRRORED)



TYPICAL EXISTING SECTION - STH 19

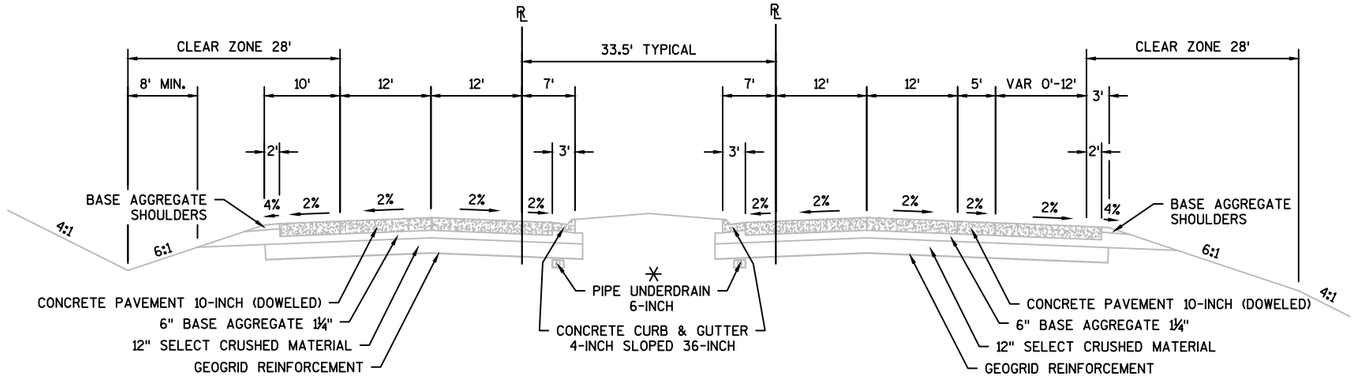
STA. 181+00'WB' TO STA. 194+34'WB'

STA. 179+97'WB' TO STA. 194+34'WB'

STA. 189+13'EB' TO STA. 194+00'EB'

(1) RAISED CURBED MEDIAN STA. 186+99'WB' TO STA. 194+34'WB'

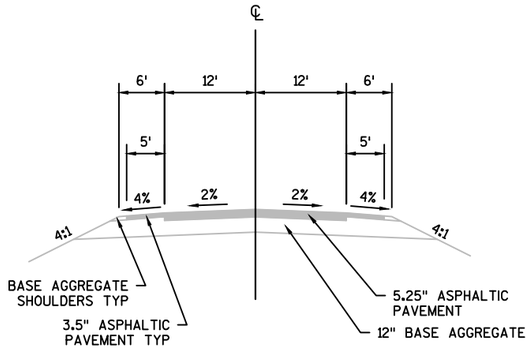
PROJECT NO:5290-00-72	HWY: STH 19	COUNTY: DANE	TYPICAL EXISTING SECTIONS	SHEET	E



⚹ PIPE UNDER DRAIN IN COARSE AGGREGATE SIZE #1, WRAPPED IN GEOTEXTILE FABRIC TYPE DF SCHEDULE B

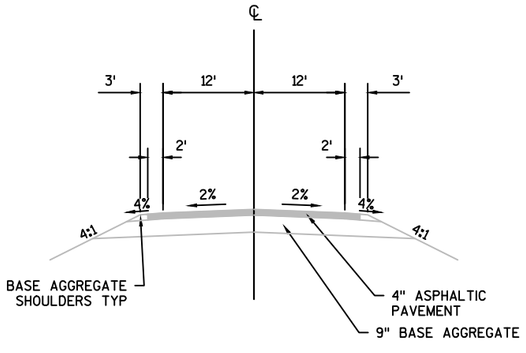
TYPICAL EXISTING SECTION - STH 19

STA. 194+34'WB' TO STA. 196+00'WB'



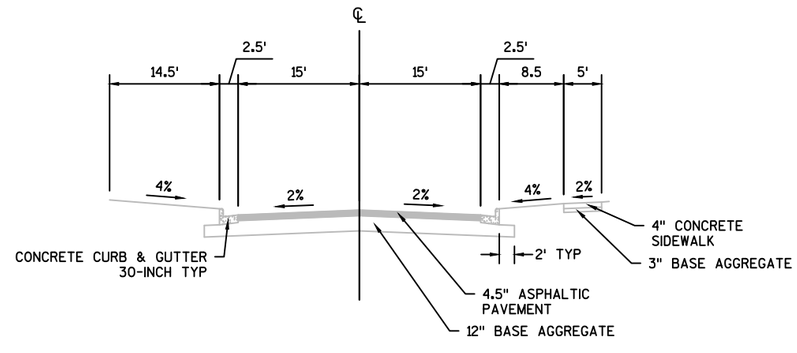
TYPICAL EXISTING SECTION - RIVER ROAD

STA. 52+85'RNB' TO STA. 61+40'RNB'



TYPICAL EXISTING SECTION - RIVER ROAD

SOUTH OF STA. 52+85'RNB' &
NORTH OF STA. 61+40'RNB'

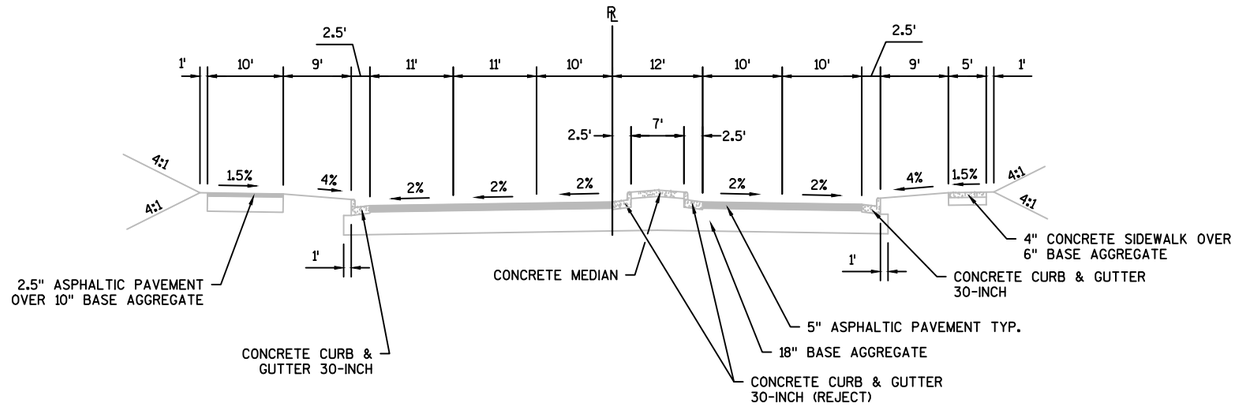


TYPICAL EXISTING SECTION - LIUNA WAY

'LW' SHOWN - MIRROR SECTION FOR 'LE'
STA. 168+10'EB' RT
STA. 187+75'EB' RT

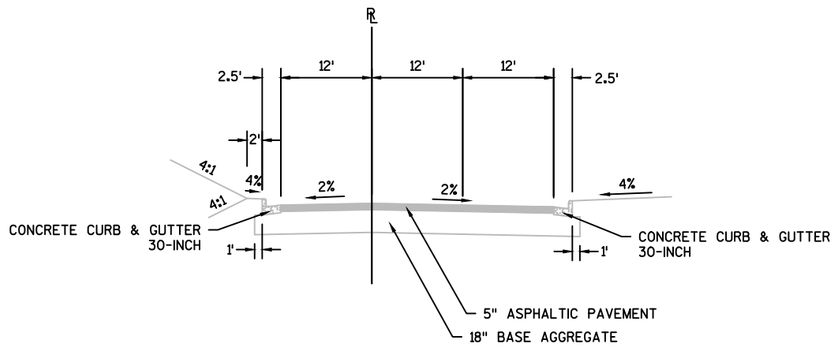
PROJECT NO:5290-00-72	HWY: STH 19	COUNTY: DANE	TYPICAL EXISTING SECTIONS	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0203_ETS.DWG
STH 19 - E-02
PLOT DATE : 4/17/2019 10:56 AM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : 1 IN:20 FT_1
WISDOT/CADDS SHEET 42



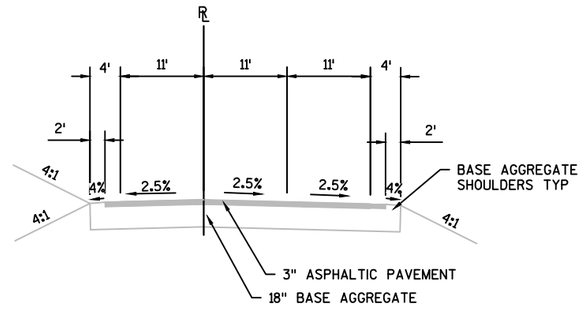
TYPICAL EXISTING SECTION - TIERNEY CROSSING

STA. 168+10'WB' LT



TYPICAL EXISTING SECTION - CASHEL WAY

STA. 180+60'WB' LT



TYPICAL EXISTING SECTION - TEMPORARY ROAD

STA. 187+65'WB LT

PROJECT NO:5290-00-72	HWY: STH 19	COUNTY: DANE	TYPICAL EXISTING SECTIONS	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0203_ETS.DWG
STH 19 - E-03
PLOT DATE : 4/17/2019 10:56 AM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : 1 IN:20 FT_1
WISDOT/CADDS SHEET 42

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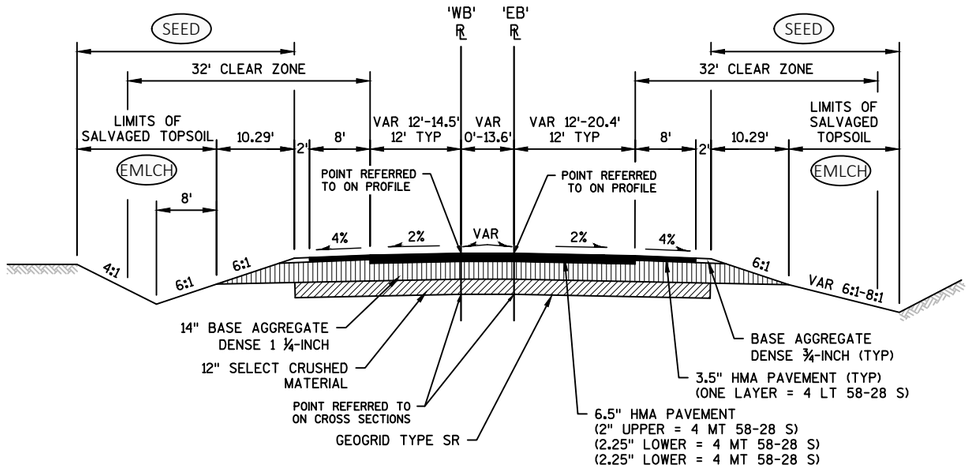
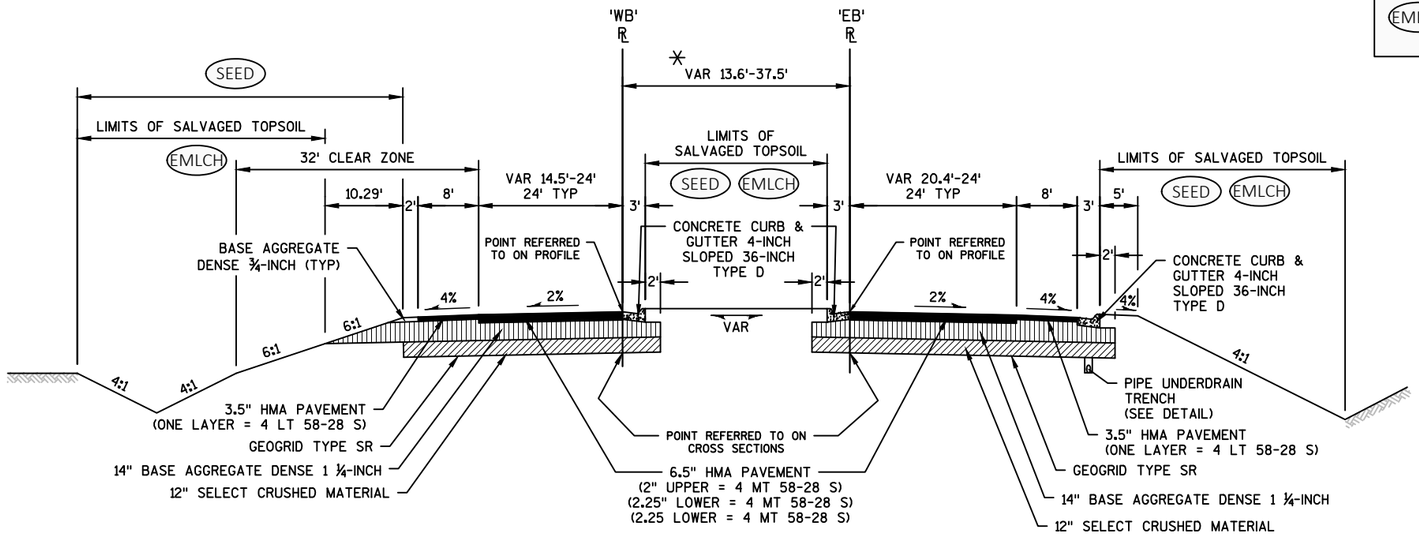


TYPICAL FINISHED SECTION - STH 19

STA. 134+80'EB' TO STA. 139+33.90'EB'

SEED — FINISHING NOTES: SEE MISCELLANEOUS QUANTITIES FOR SPECIFIC SEEDING, SEEDING TEMPORARY, & FERTILIZER TYPES AND THEIR LOCATIONS.

EMLCH — SEE CONSTRUCTION DETAILS, MISCELLANEOUS QUANTITIES AND EROSION CONTROL PLAN FOR MULCH AND EROSION MAT LOCATIONS.

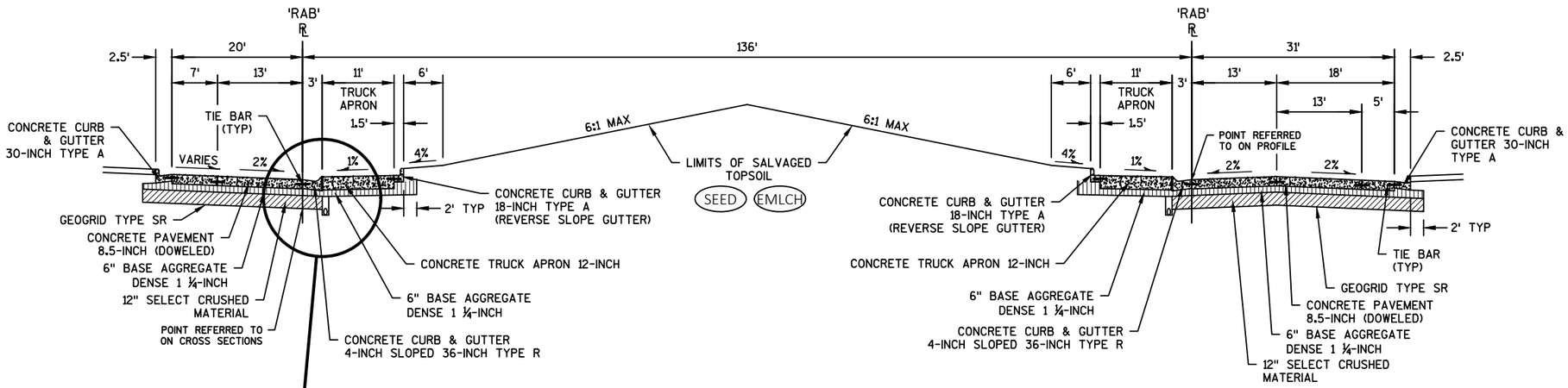


TYPICAL FINISHED SECTION - STH 19

STA. 139+33.90'EB' TO STA. 142+47.63'EB'

✳ WHEN 20' OR LESS BETWEEN 'WB' ℄ AND 'EB' ℄, OR UNDER A PAVED SURFACE, PROVIDE BASE LAYERS ACROSS ENTIRE MEDIAN.

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	TYPICAL FINISHED SECTIONS	SHEET	E



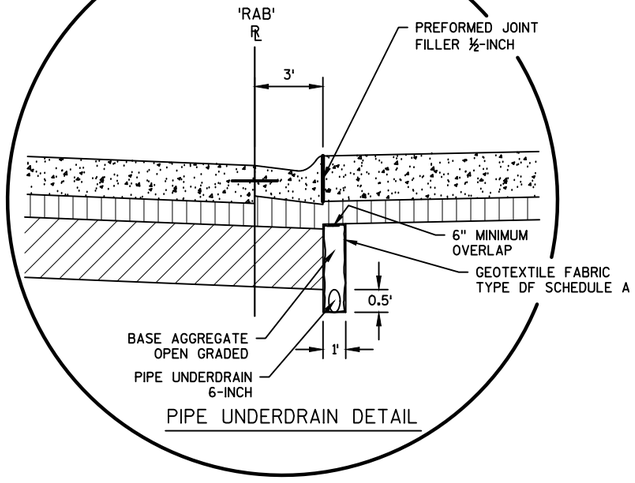
TYPICAL FINISHED SECTION - STH 19 & RIVER ROAD AT ROUNDABOUT

SECTION A-A'

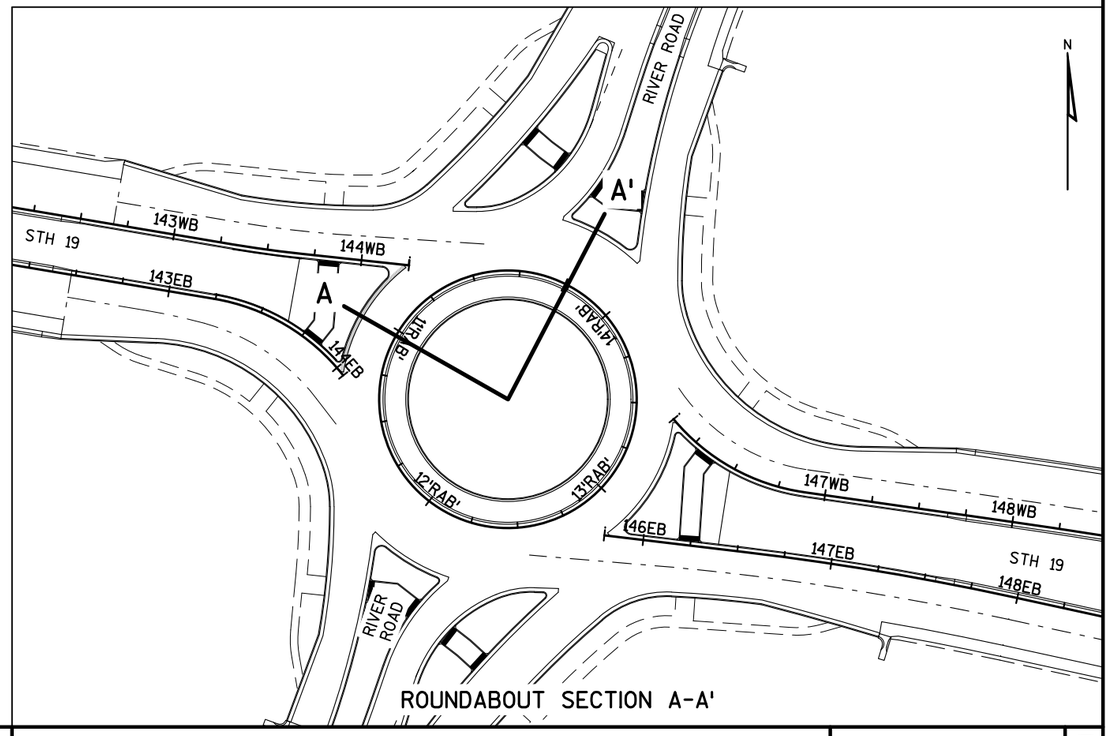
FINISHING NOTES:

(SEED) SEE MISCELLANEOUS QUANTITIES FOR SPECIFIC SEEDING, SEEDING TEMPORARY, & FERTILIZER TYPES AND THEIR LOCATIONS.

(EMLCH) SEE CONSTRUCTION DETAILS, MISCELLANEOUS QUANTITIES AND EROSION CONTROL PLAN FOR MULCH AND EROSION MAT LOCATIONS.



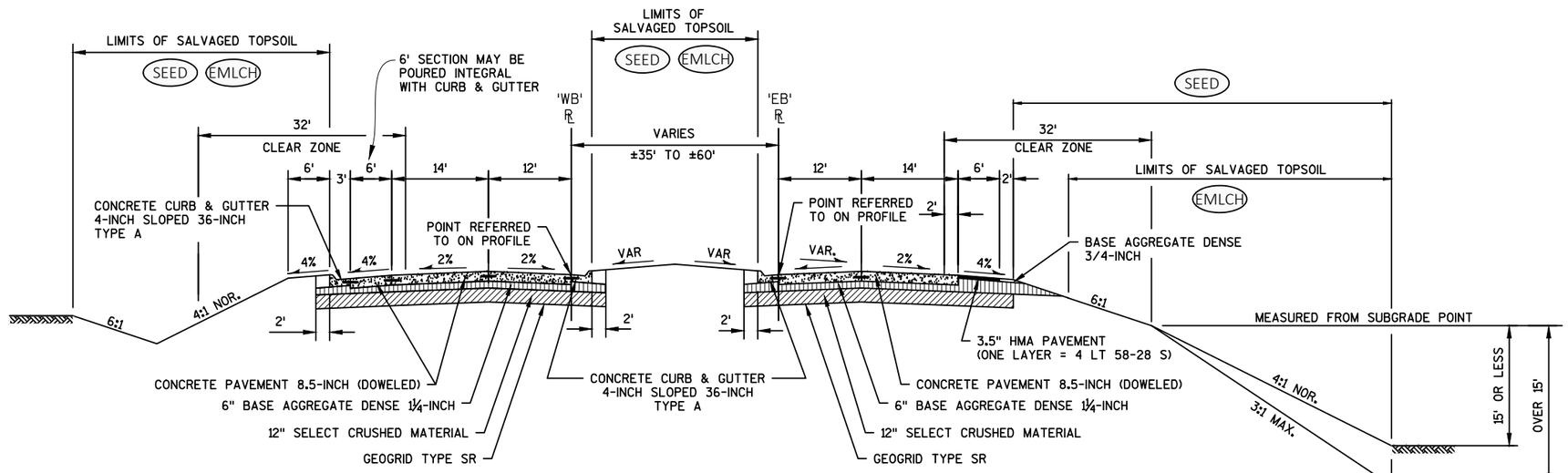
PIPE UNDERDRAIN DETAIL



ROUNDABOUT SECTION A-A'

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	TYPICAL FINISHED SECTIONS	SHEET	E

2



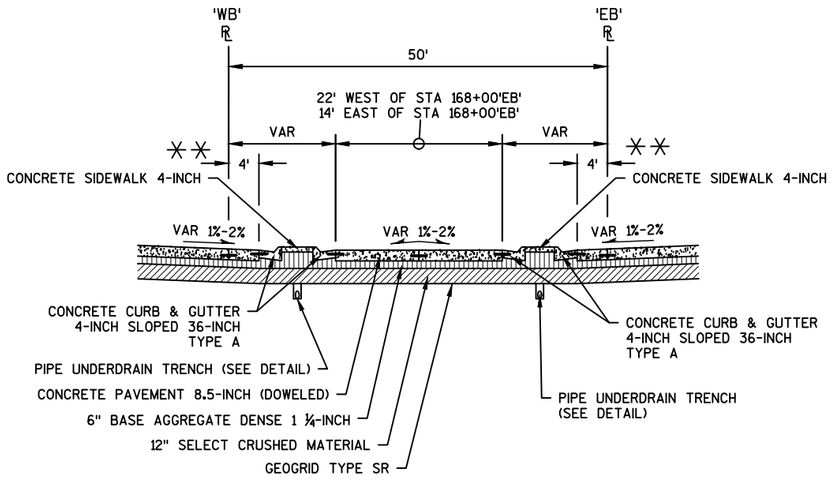
TYPICAL FINISHED SECTION - STH 19

STA. 142+47.63'EB' TO STA. 144+00'EB'
STA. 146+00'EB TO STA. 149+53.03'EB'

FINISHING NOTES:

(SEED) SEE MISCELLANEOUS QUANTITIES FOR SPECIFIC SEEDING, SEEDING TEMPORARY, & FERTILIZER TYPES AND THEIR LOCATIONS.

(EMLCH) SEE CONSTRUCTION DETAILS, MISCELLANEOUS QUANTITIES AND EROSION CONTROL PLAN FOR MULCH AND EROSION MAT LOCATIONS.



TYPICAL FINISHED MEDIAN SECTION - STH 19

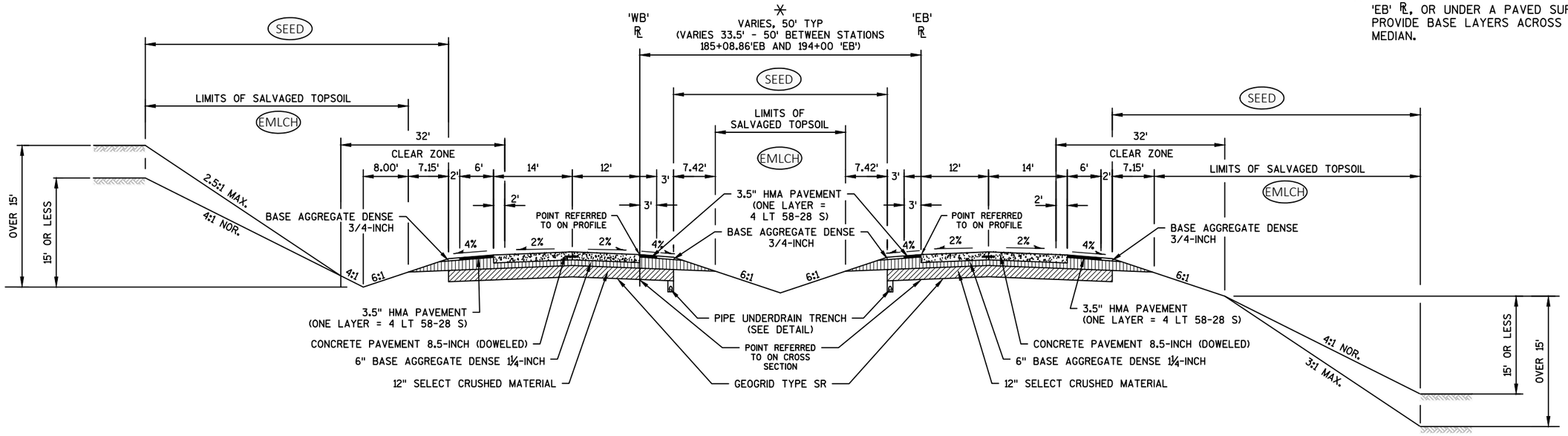
STA. 162+42.83'EB' TO STA. 173+55.59'EB'

** 4' SECTION MAY BE POURED INTEGRAL WITH CURB & GUTTER.

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	TYPICAL FINISHED SECTIONS	SHEET	E

2

✳ WHEN 20' OR LESS BETWEEN 'WB' ℄ AND 'EB' ℄, OR UNDER A PAVED SURFACE, PROVIDE BASE LAYERS ACROSS ENTIRE MEDIAN.



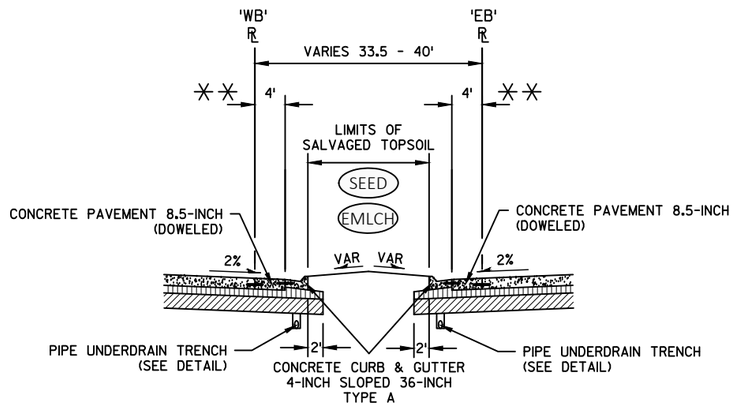
TYPICAL FINISHED SECTION - STH 19

STA. 149+53.03'EB' TO STA 194+00'EB'

FINISHING NOTES:

(SEED) SEE MISCELLANEOUS QUANTITIES FOR SPECIFIC SEEDING, SEEDING TEMPORARY, & FERTILIZER TYPES AND THEIR LOCATIONS.

(EMLCH) SEE CONSTRUCTION DETAILS, MISCELLANEOUS QUANTITIES AND EROSION CONTROL PLAN FOR MULCH AND EROSION MAT LOCATIONS.

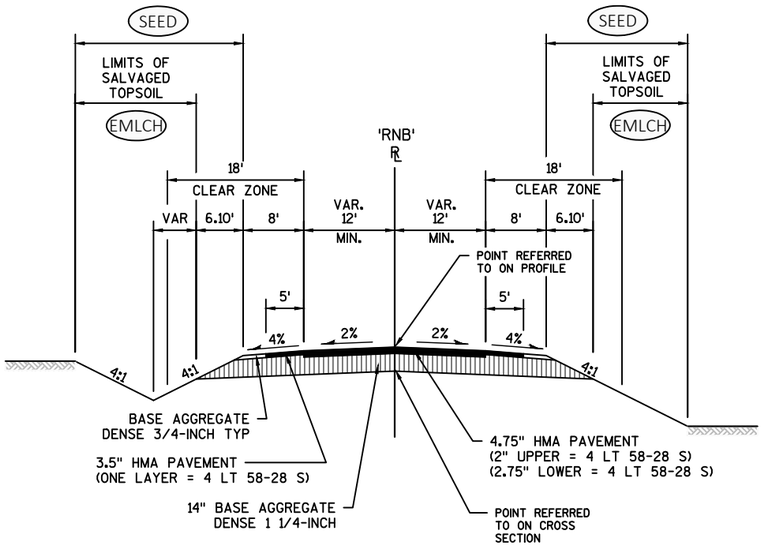


✳✳ 4' SECTION MAY BE POURED INTEGRAL WITH CURB & GUTTER.

TYPICAL FINISHED MEDIAN SECTION - STH 19

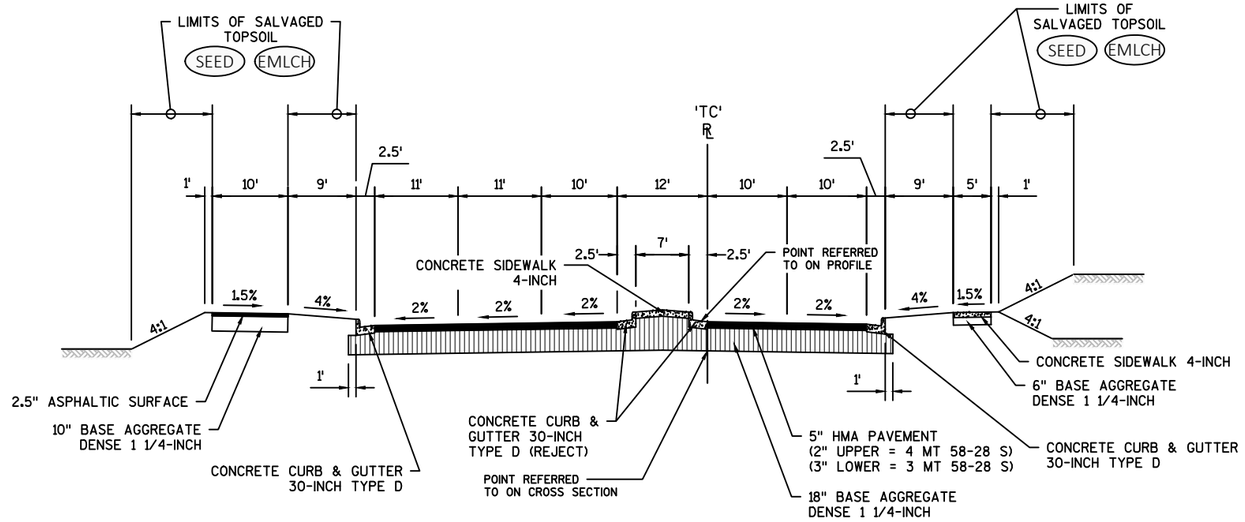
STA. 189+85.60'EB' TO STA. 194+00.00'EB'

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	TYPICAL FINISHED SECTIONS	SHEET	E



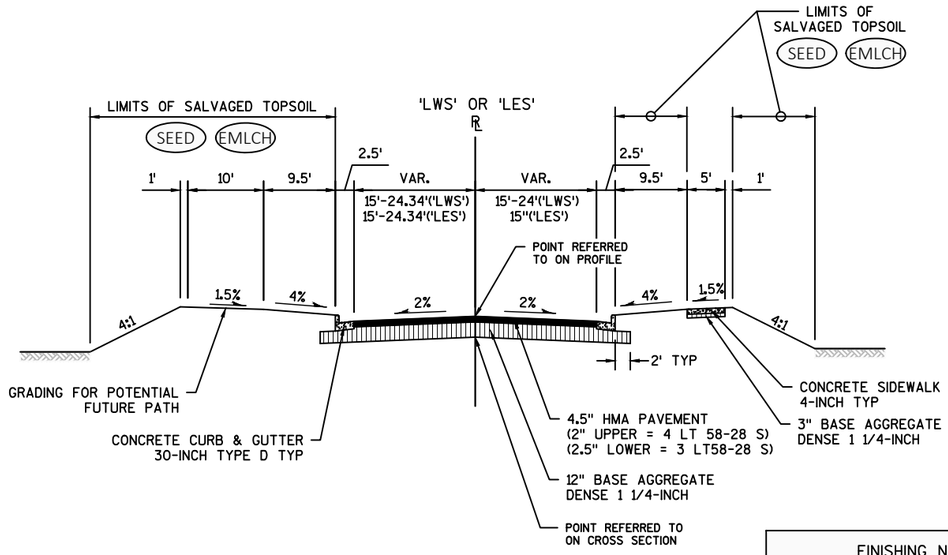
TYPICAL FINISHED SECTION - RIVER ROAD

STA. 49+90'RNB' TO STA. 52+83'RNB'
STA. 59+64'RNB' TO STA. 62+90'RNB'



TYPICAL FINISHED SECTION - TIERNEY CROSSING

STA. 302+96.18'TC' TO STA. 304+08.00'TC'

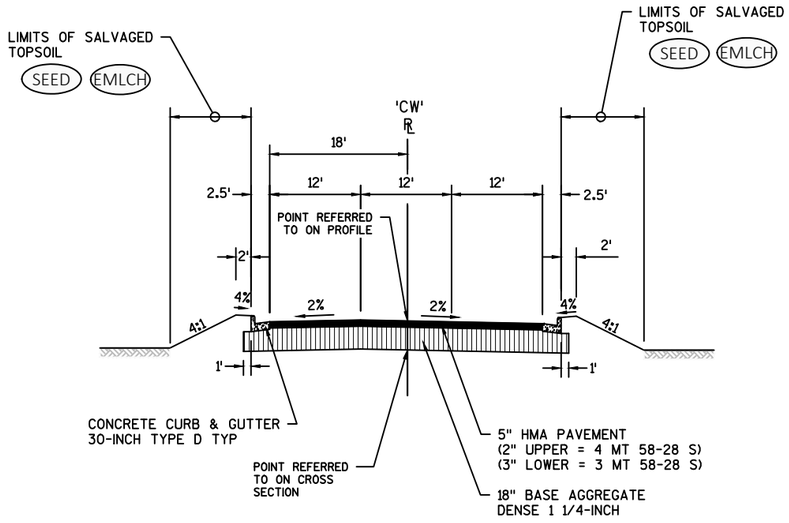


TYPICAL FINISHED SECTION - LIUNA WAY

STA. 7+64.00'LWS' TO STA. 9+14.44'LWS'
STA. 8+33.40'LES' TO STA. 9+17.39'LES'

SEED — FINISHING NOTES: SEE MISCELLANEOUS QUANTITIES FOR SPECIFIC SEEDING, SEEDING TEMPORARY, & FERTILIZER TYPES AND THEIR LOCATIONS.

EMLCH — SEE CONSTRUCTION DETAILS, MISCELLANEOUS QUANTITIES AND EROSION CONTROL PLAN FOR MULCH AND EROSION MAT LOCATIONS.

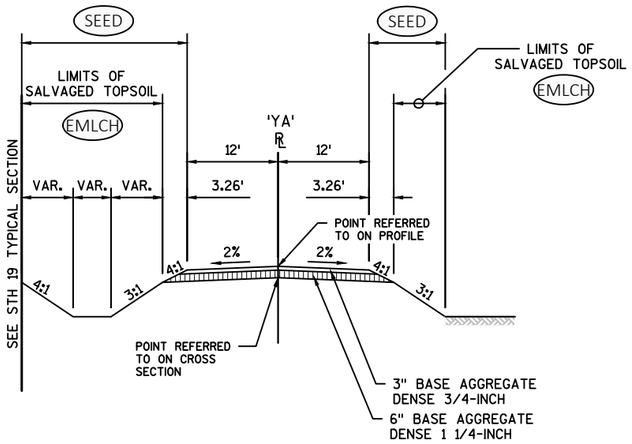


TYPICAL FINISHED SECTION - CASHEL WAY

STA. 1+83.65'CW' TO STA. 2+20.00'CW'

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	TYPICAL FINISHED SECTIONS	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0205_PTS.DWG
STH 19 - SRF-01
PLOT DATE : 4/19/2019 10:00 AM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : 1 IN:20 FT_1
WISDOT/CADDS SHEET 42



TYPICAL FINISHED SECTION - YAHARA RIVER ACCESS ROADWAY

STA. 156+58'YA' TO STA. 168+00'YA'

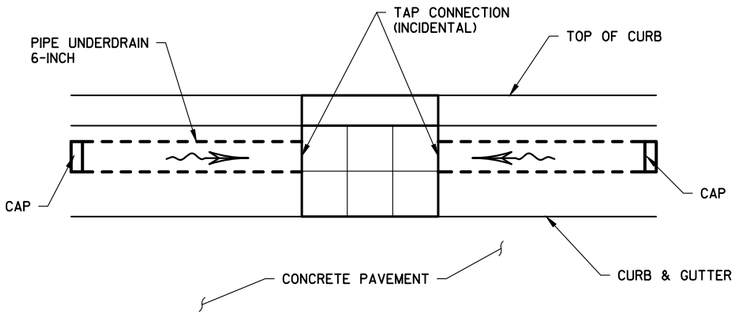
FINISHING NOTES:
SEE MISCELLANEOUS QUANTITIES FOR SPECIFIC SEEDING, SEEDING TEMPORARY, & FERTILIZER TYPES AND THEIR LOCATIONS.

(SEED)

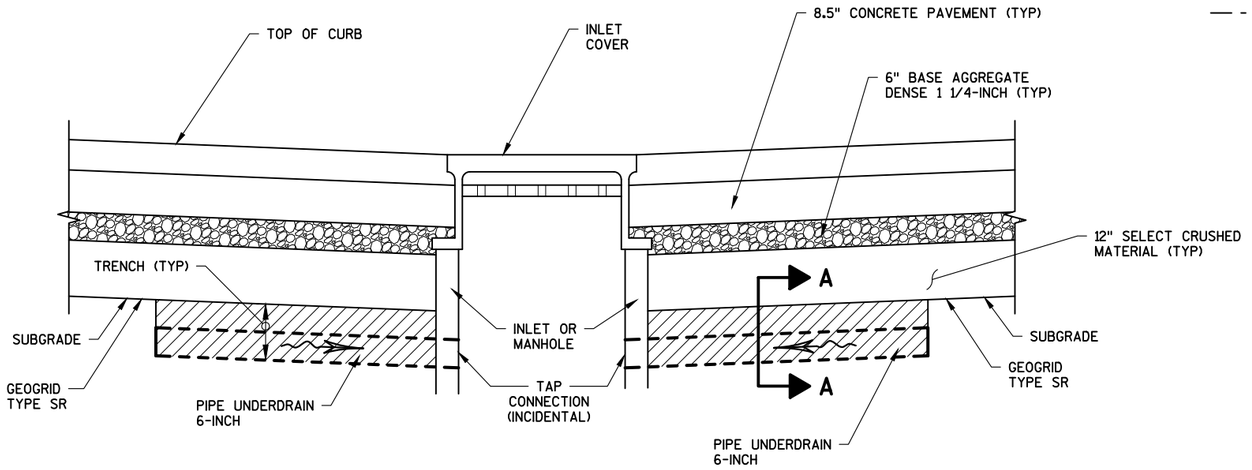
(EMLCH) SEE CONSTRUCTION DETAILS, MISCELLANEOUS QUANTITIES AND EROSION CONTROL PLAN FOR MULCH AND EROSION MAT LOCATIONS.

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	TYPICAL FINISHED SECTIONS	SHEET	E

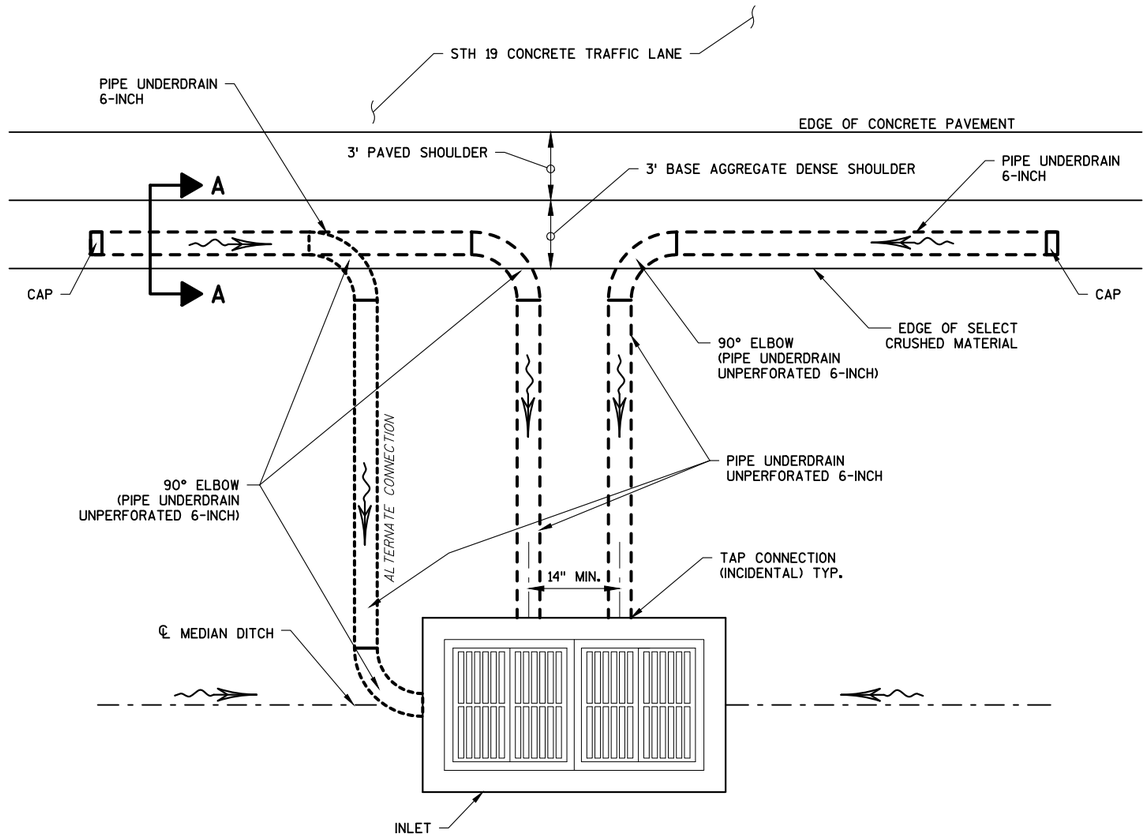
FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0205_PTS.DWG
STH 19 - SRF-02
PLOT DATE : 4/19/2019 10:00 AM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : 1 IN:20 FT_1
WISDOT/CADDS SHEET 42



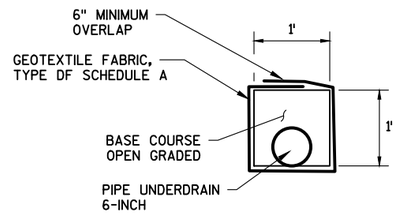
PLAN VIEW - CURB & GUTTER SECTION



ELEVATION VIEW - CURB & GUTTER SECTION SHOWN
LOW POINT SHOWN



PLAN VIEW - MEDIAN SHOULDER SECTION
LOW POINT SHOWN

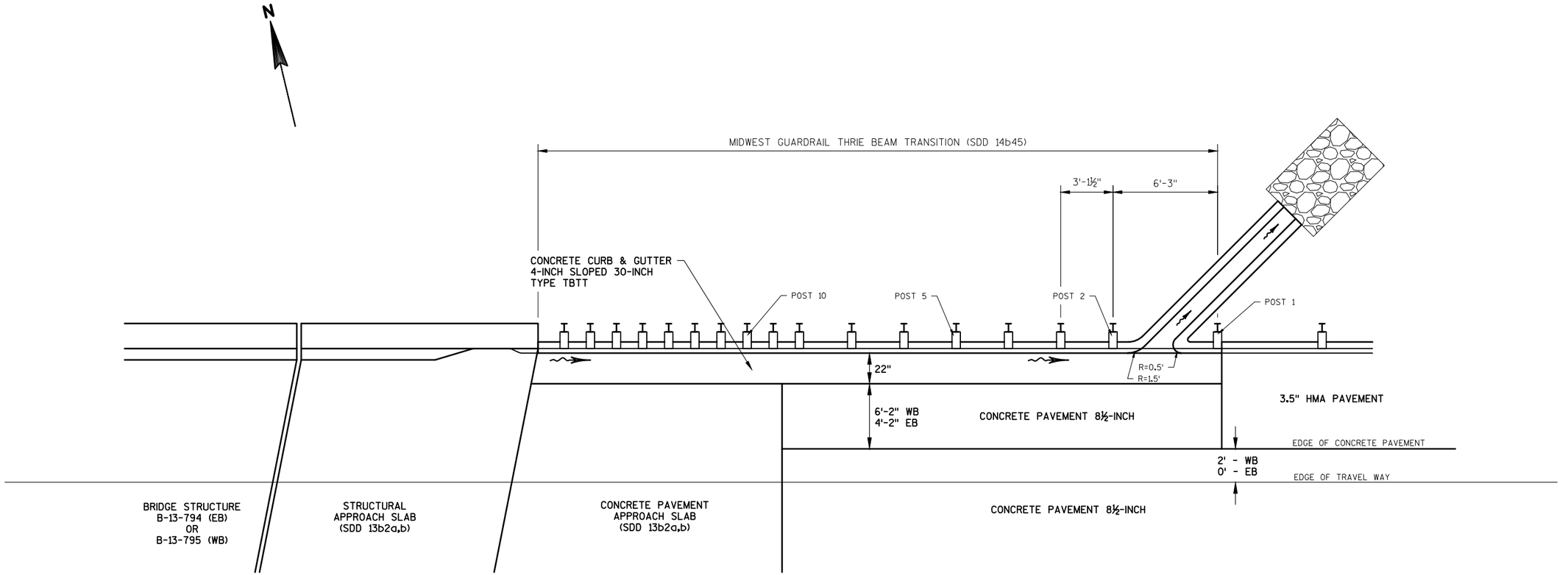


SECTION A-A
PIPE UNDERDRAIN TRENCH

PIPE UNDERDRAIN DETAILS

PROJECT NO:5290-00-72	HWY: STH 19	COUNTY: DANE	CONSTRUCTION DETAILS	SHEET	E

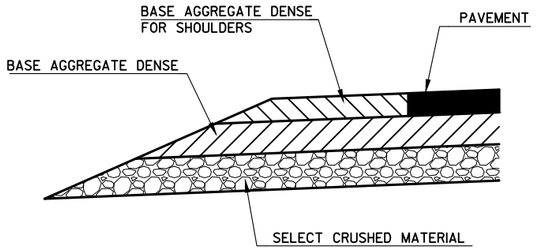
2



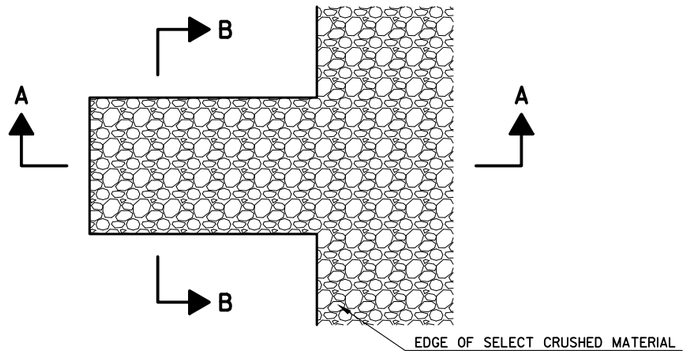
DETAIL FOR PLACEMENT OF CONCRETE SURFACE DRAIN FLUME

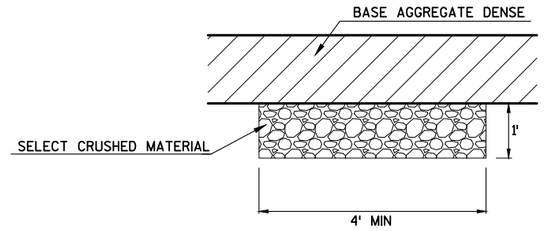
STA. 155+99'EB', LT
STA. 156+15'WB', LT

NOTE:
OTHER DETAILS CONFORM TO SDD 8D2 "CONCRETE SURFACE DRAINS FLUME TYPE AT STRUCTURES"



SECTION A-A





SECTION B-B

FRENCH DRAINS

DRAINS ARE TO BE CONSTRUCTED APPROXIMATELY 250' IN DITCH SECTIONS AND AT EACH SAG VERTICAL CURVE IN THE PROFILE.

EXACT LOCATIONS TO BE DETERMINED IN THE FIELD BY THE ENGINEER.

EXCAVATION REQUIRED TO CONSTRUCT FRENCH DRAINS SHALL BE CONSIDERED INCIDENTAL TO THE ITEM SELECT CRUSHED MATERIAL.

DO NOT COVER SELECT CRUSHED MATERIAL WITH TOPSOIL.

2

2

A

A

BOTTOM OF EXCAVATION MARSH

153'EB'

154'EB'

155'EB'

STH 19 EB

EXCAVATION BOTTOM

SELECT CRUSHED MATERIAL

SELECT CRUSHED MATERIAL

SELECT CRUSHED MATERIAL

~15'

ABUTMENT OF
BRIDGE B-13-794

2' MIN

BACKFILL COARSE
AGGREGATE SIZE NO. 2

1'-2'

APPROXIMATE
BRIDGE PILING
LOCATION (TYP)

STH 19 EB

YAHARA RIVER

TEMPORARY SHORING

BOTTOM OF EXCAVATION MARSH

BOTTOM OF EXCAVATION MARSH

~10'

N

SEE FOLLOWING SHEET FOR SECTION A-A VIEW

PLAN VIEW

880

870

860

850

840

PROPOSED PAVEMENT

APPROACH SLAB

1'-2'

ABUTMENT OF BRIDGE B-13-794

EXISTING GROUND ALONG EB REFERENCE LINE

GEOTEXTILE TYPE SR

HIGH WATER$_{100}$ EL. 861.9'

WATER EL. 858.0'
(ASSUMED FOR QUANTITIES)

860.0'

STATION 152+59'EB'

SELECT CRUSHED MATERIAL

850.0'

EL. 862.5' - PAY LIMITS FOR TEMPORARY SHORING

PROPOSED RIPRAP HEAVY

PROGRESSIVELY BRING BOTH
MATERIALS TO GRADE CONCURRENTLY
- AVOID SHEAR PLANE WHERE TWO
MATERIALS ABUT

BACKFILL COARSE
AGGREGATE SIZE NO. 2

TEMPORARY SHORING

STATION 153+00'EB'

BOTTOM OF
EXCAVATION MARSH

BRIDGE PILING (TYP)

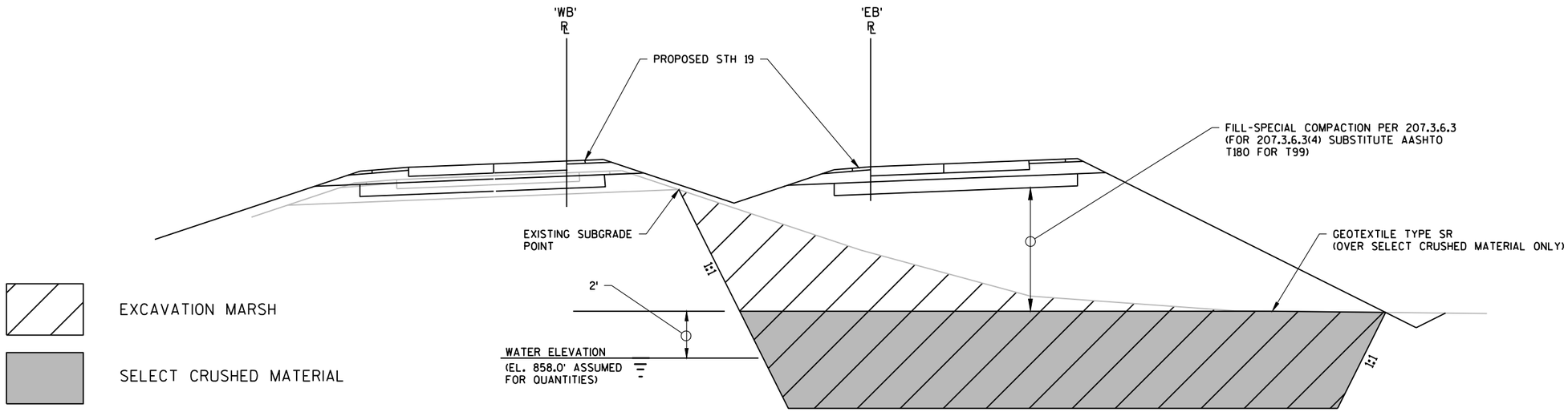
ELEVATION

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CONSTRUCTION DETAILS - MARSH EXCAVATION - 1 OF 2	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0210A1_CD.DWG
LAYOUT NAME - Plan & Elevation

PLOT DATE : 4/24/2019 10:28 AM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : 1 IN:20 FT_1

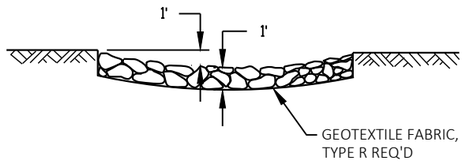
2



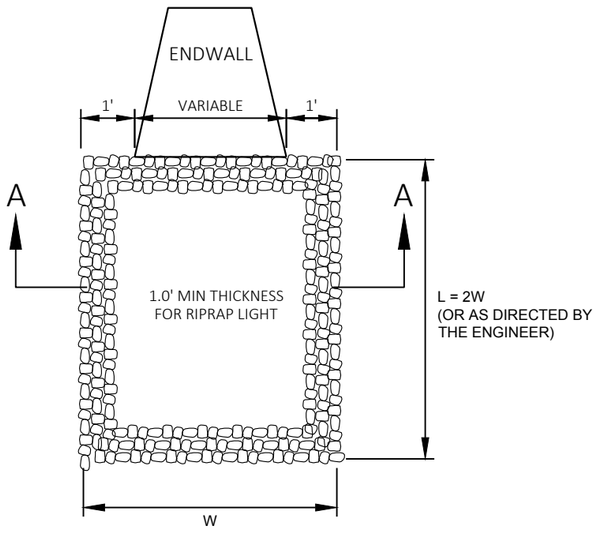
SECTION A-A

STA. 153+00'EB' TO STA. 154+56 'EB'

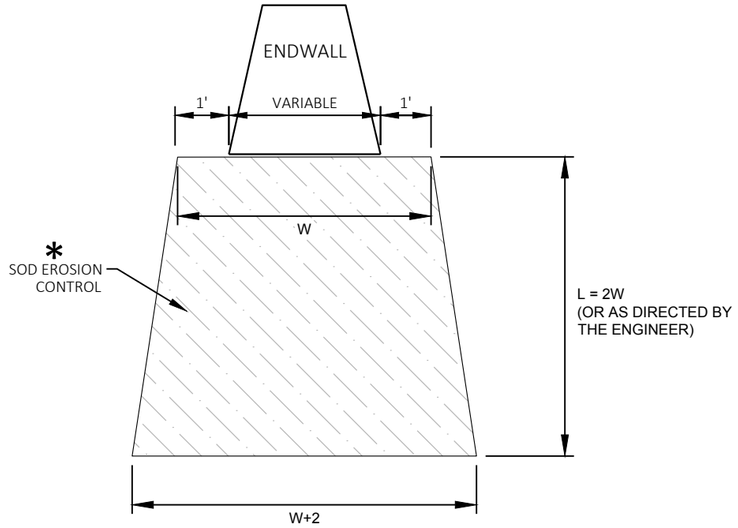
PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CONSTRUCTION DETAILS - MARSH EXCAVATION - 2 OF 2	SHEET	E



SECTION A-A

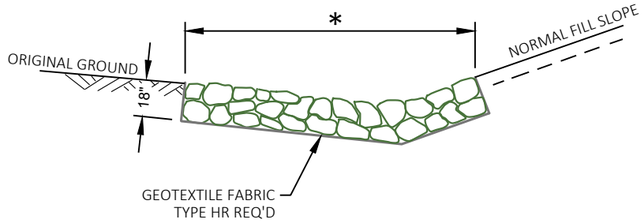


DETAIL FOR RIPRAP LIGHT TREATMENT AT CULVERTS



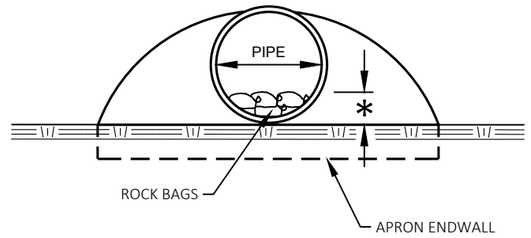
DETAIL FOR SOD EROSION CONTROL TREATMENT AT CULVERTS

* - STAKED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.



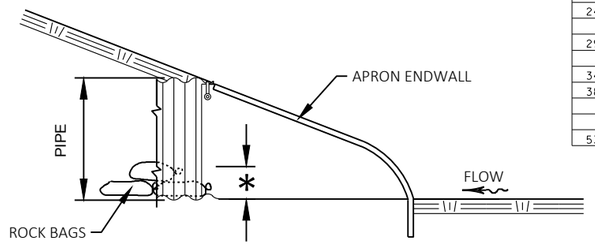
DETAIL FOR RIPRAP MEDIUM IN DITCHES

* - DIMENSIONS AS DIRECTED BY THE ENGINEER



END VIEW

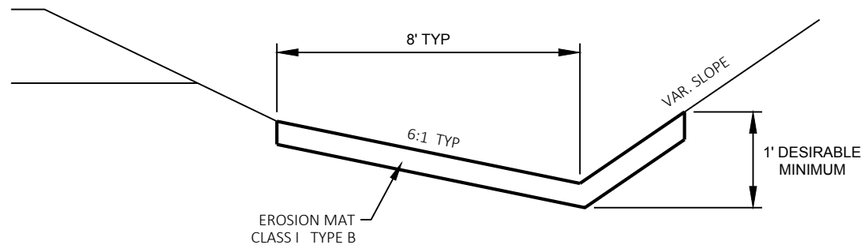
ESTIMATED BAG SIZE = 18" X 12" X 6"	
PIPE SIZE	ESTIMATED NO. OF BAGS
12"	1
15"	2
18"	2
21"	3
14" X 23"	3
24"	3
27"	4
30"	5
19" X 30"	5
36"	7
24" X 38"	8
42"	8
29" X 45"	10
48"	10
34" X 53"	10
38" X 60"	13
60"	13
66"	15
53" X 83"	19



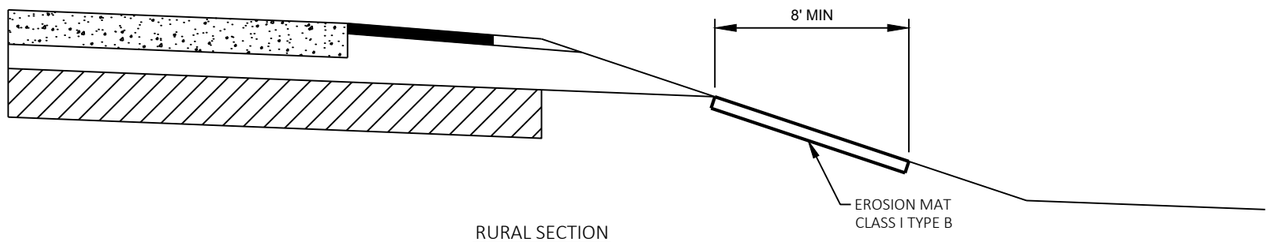
SIDE VIEW

DETAIL FOR CULVERT PIPE CHECK

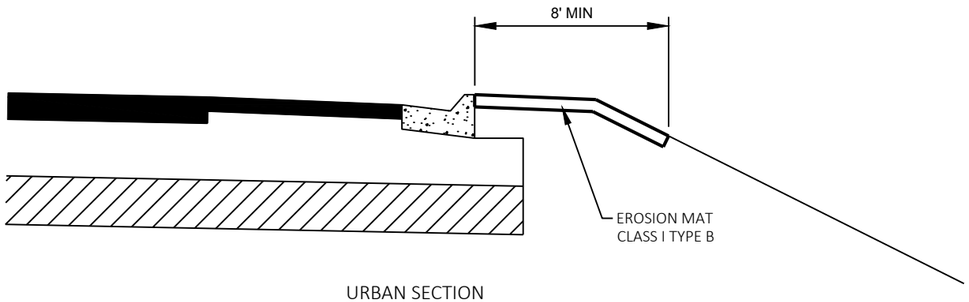
- PLACE AT 1/3 PIPE DIAMETER, 6" MINIMUM, OR
* AS DIRECTED BY THE ENGINEER



DETAIL FOR EROSION MAT FOR DITCHES

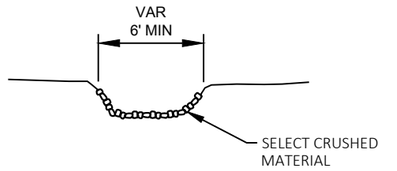


RURAL SECTION

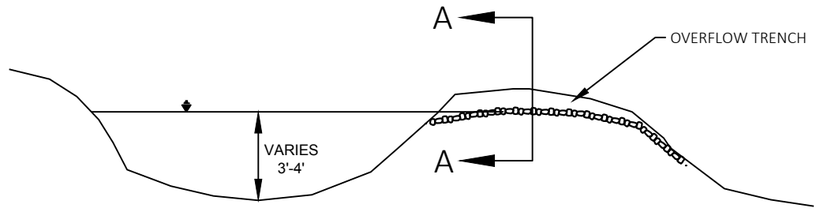


URBAN SECTION

DETAIL FOR EROSION MAT ALONG ROADWAYS



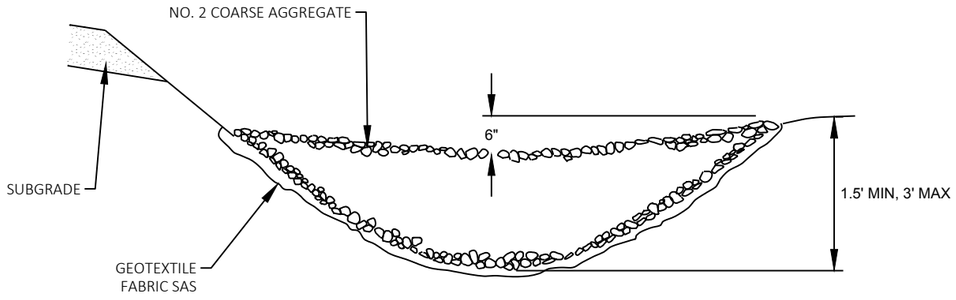
OVERFLOW TRENCH SECTION A-A



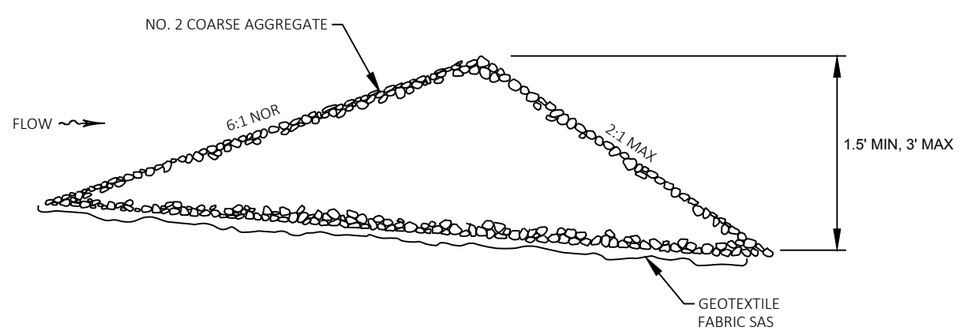
NOTES:
-EXCAVATION AND BACKFILL FOR SEDIMENT BASIN TO BE PAID FOR UNDER TEMPORARY SEDIMENT BASIN ITEM. (EXACT DIMENSIONS AND LOCATIONS TO BE AS DIRECTED BY THE ENGINEER IN THE FIELD.)

-CLEANING OF SEDIMENT BASINS, WHEN DIRECTED BY THE ENGINEER, IS PAID FOR UNDER THE ITEM OF "CLEANING SEDIMENT BASINS (C.Y.)

DETAIL FOR TEMPORARY SEDIMENT BASIN AND OUTLET



CROSS SECTION VIEW



SIDE VIEW (SINGLE)

DETAIL FOR STONE OR ROCK DITCH CHECK

INTENDED FOR USE AS TEMPORARY EROSION CONTROL MEASURES.

NOTE:
REMOVAL OF STONE OR ROCK DITCH CHECKS WILL BE PAID FOR UNDER THE ITEM EXCAVATION STONE PILES AND STONE FENCES.

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CONSTRUCTION DETAILS	SHEET	E

2

NOTES:

THE SILT FENCE RELIEF DETAIL IS A SUPPLEMENTAL DETAIL TO THE SILT FENCE STANDARD DETAILS AND SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

INSTALL SILT FENCE PRIOR TO CONSTRUCTING THE SILT FENCE OPENING. PRIOR TO CONSTRUCTING THE SILT FENCE OPENING, PLACE ROCK BAGS AT THE SILT FENCE OPENING AS SHOWN IN THIS DETAIL.

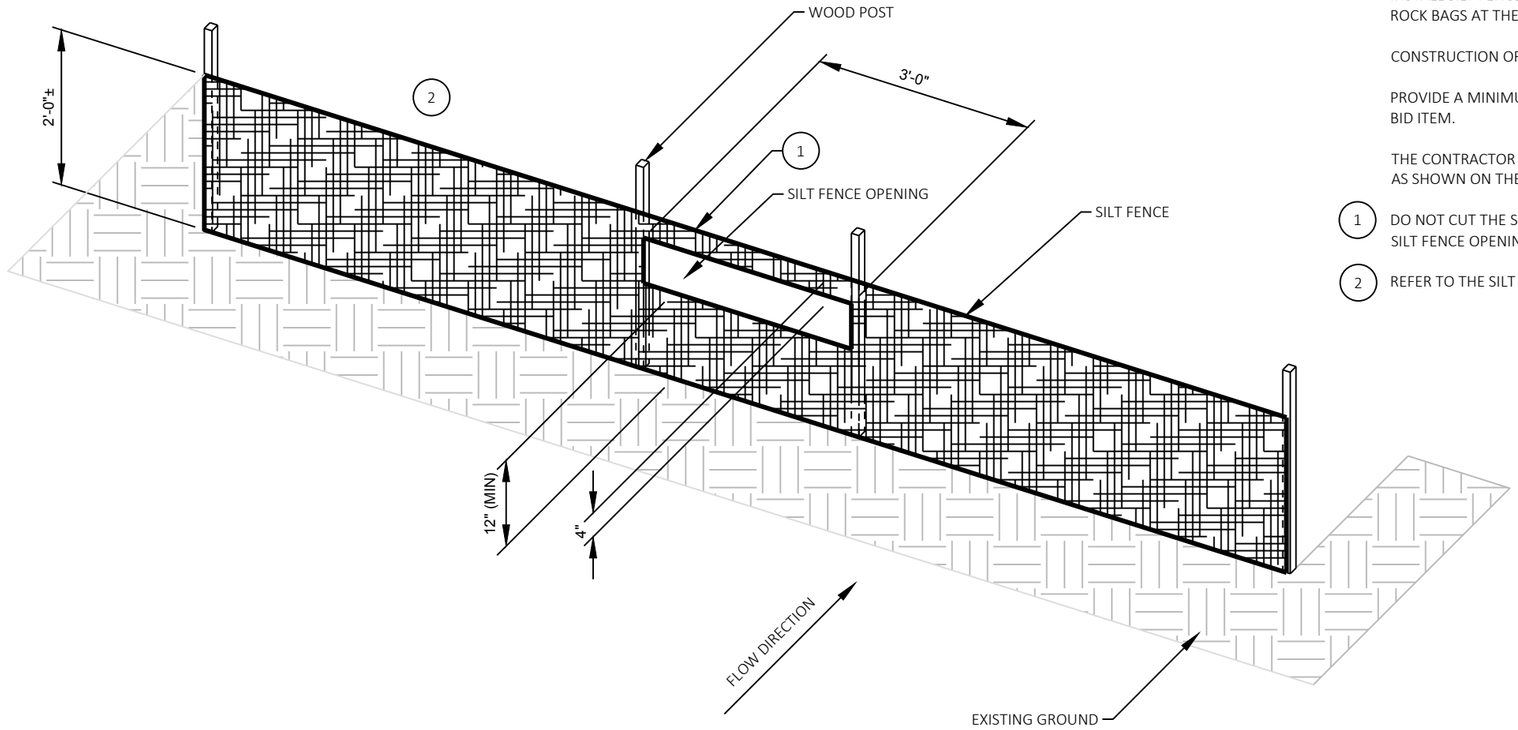
CONSTRUCTION OF THE SILT FENCE OPENING SHALL BE INCIDENTAL TO THE COST OF THE SILT FENCE BID ITEM.

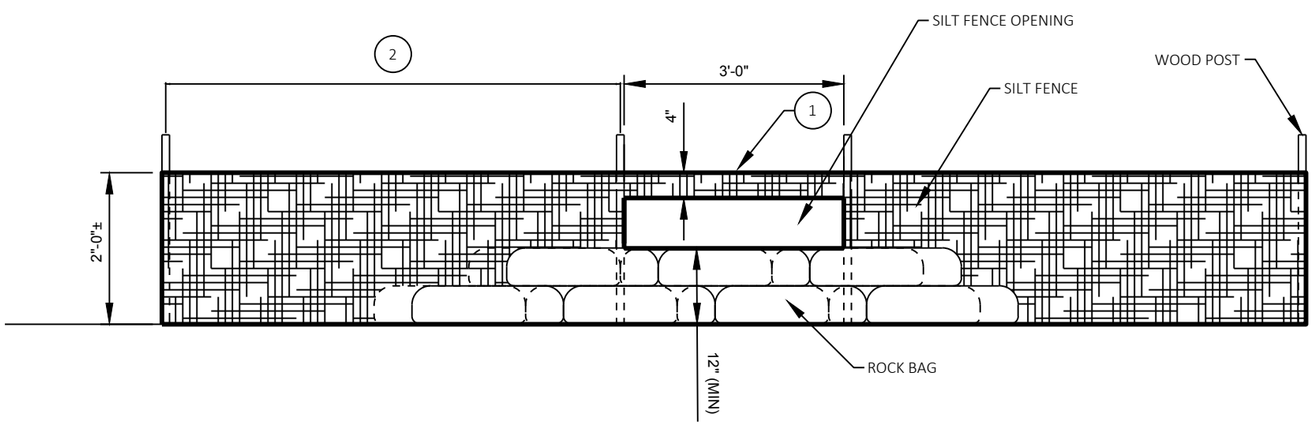
PROVIDE A MINIMUM OF 22 ROCK BAGS MINIMUM PER 3 FOOT OPENING. ROCK BAGS SHALL BE PAID UNDER THE ROCK BAGS BID ITEM.

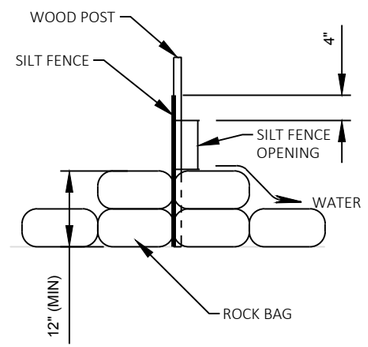
THE CONTRACTOR SHALL ADJUST THE SILT FENCE RELIEF OPENINGS WITHIN THE SILT FENCE AS NECESSARY TO PROVIDE RELIEF: AS SHOWN ON THE PLANS, TO FIT FIELD CONDITIONS AND AS DIRECTED BY THE FIELD ENGINEER.

(1) DO NOT CUT THE SUPPORT CORD OR TENSION TAPE WHEN CONSTRUCTING THE SILT FENCE OPENING. KEEP THE TOP OF THE SILT FENCE OPENING 1"± BELOW THE 3" FOLD AT THE SUPPORT CORD OR TENSION TAPE.

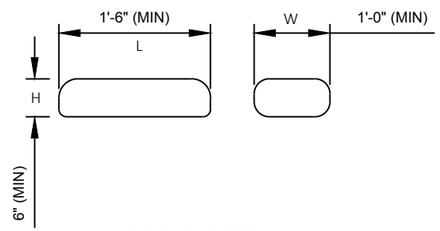
(2) REFER TO THE SILT FENCE STANDARD DETAILS FOR ALLOWABLE ADJUSTMENTS TO POST SPACING.







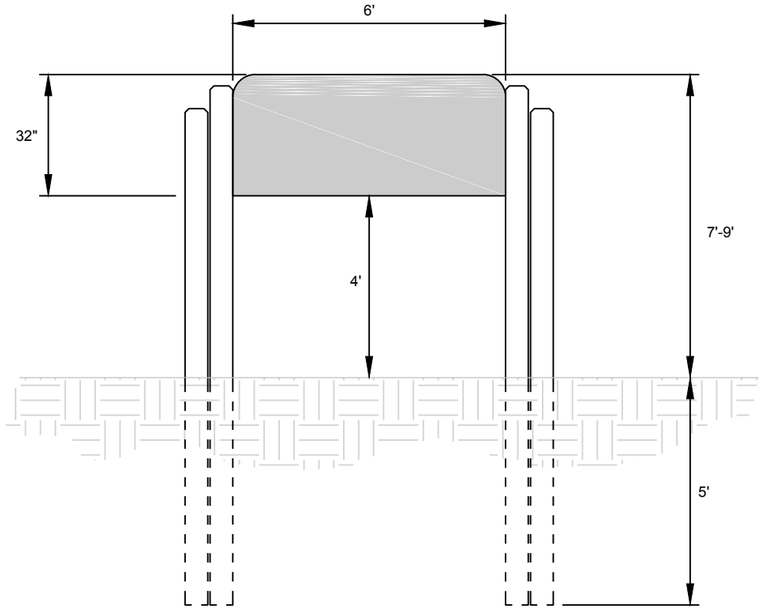
SECTION VIEW



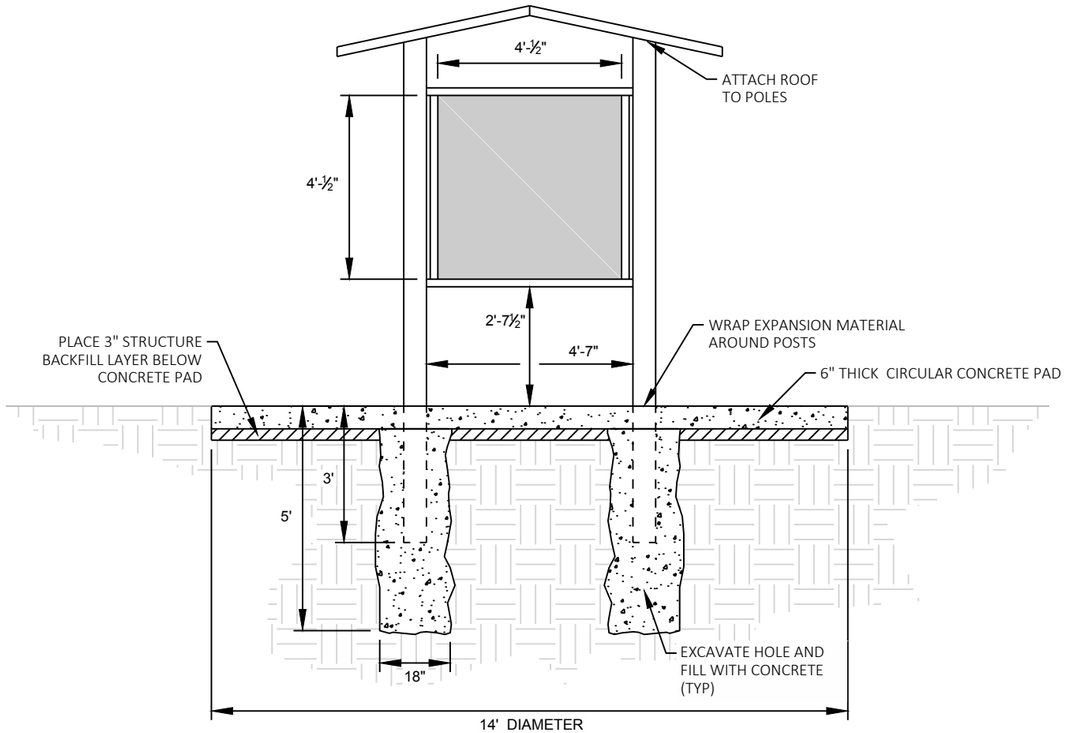
ROCK BAG DETAIL

SILT FENCE RELIEF DETAIL

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CONSTRUCTION DETAILS	SHEET	E



DETAIL FOR DANE COUNTY PARKS SIGN

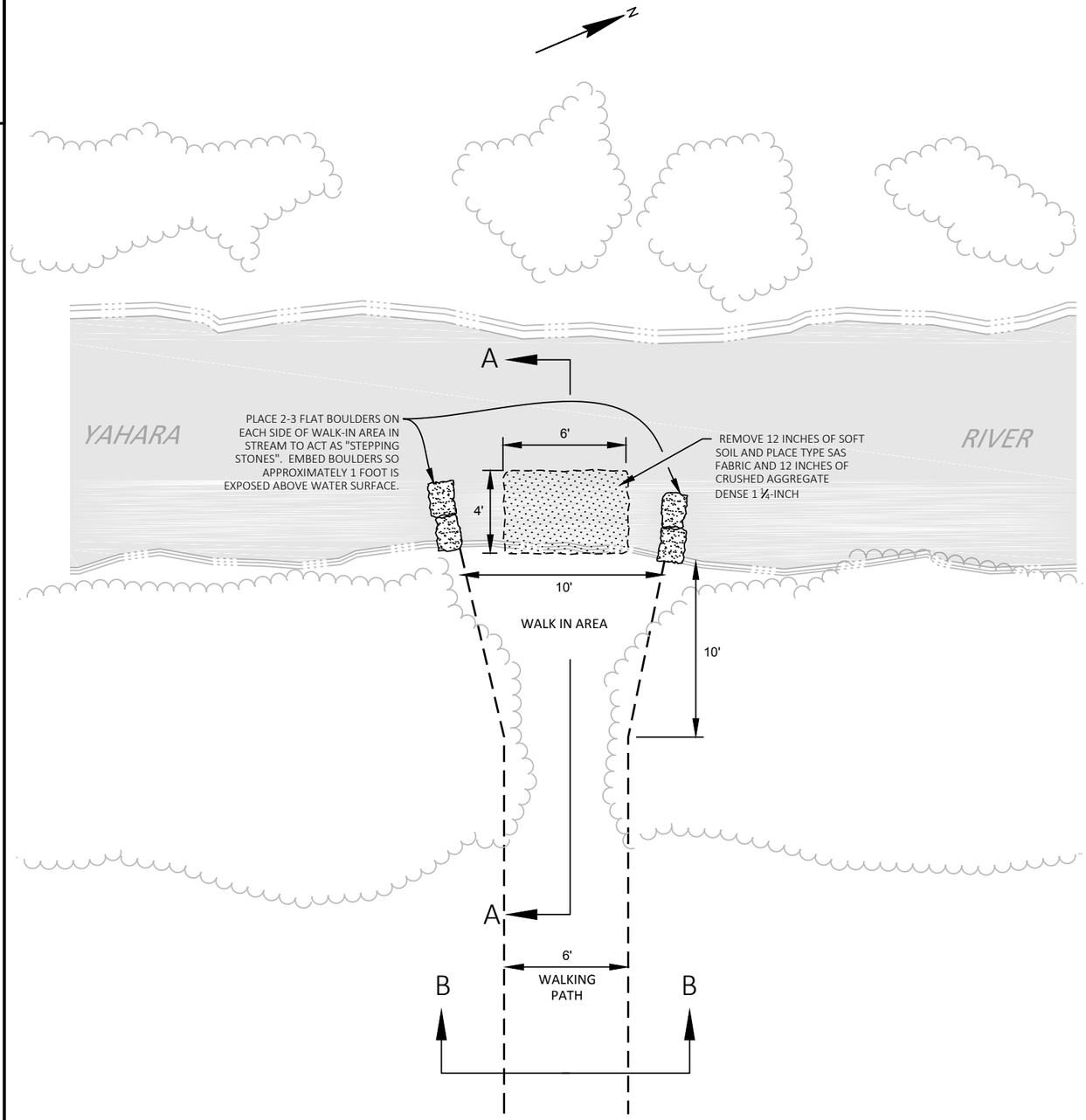


DETAIL FOR DANE COUNTY PARKS KIOSK

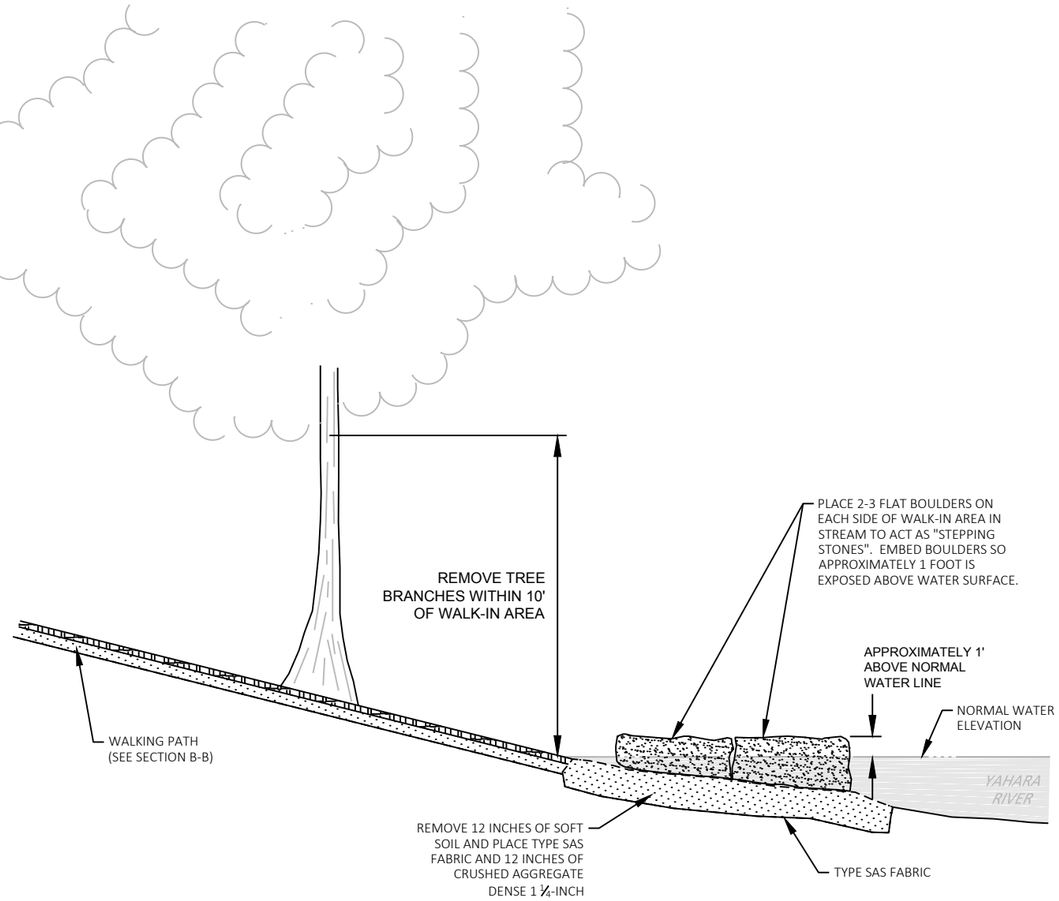
2

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CONSTRUCTION DETAILS	SHEET	E

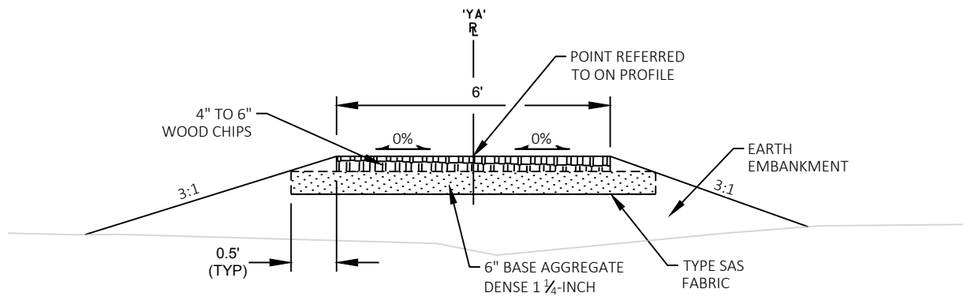
FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0210B_CD.DWG
LAYOUT NAME - 06
PLOT DATE : 4/16/2019 11:30 AM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42



PLAN VIEW



SECTION A-A



SECTION B-B (WALKING PATH)
STA. 154+87'YA' TO STA.156+58'YA'

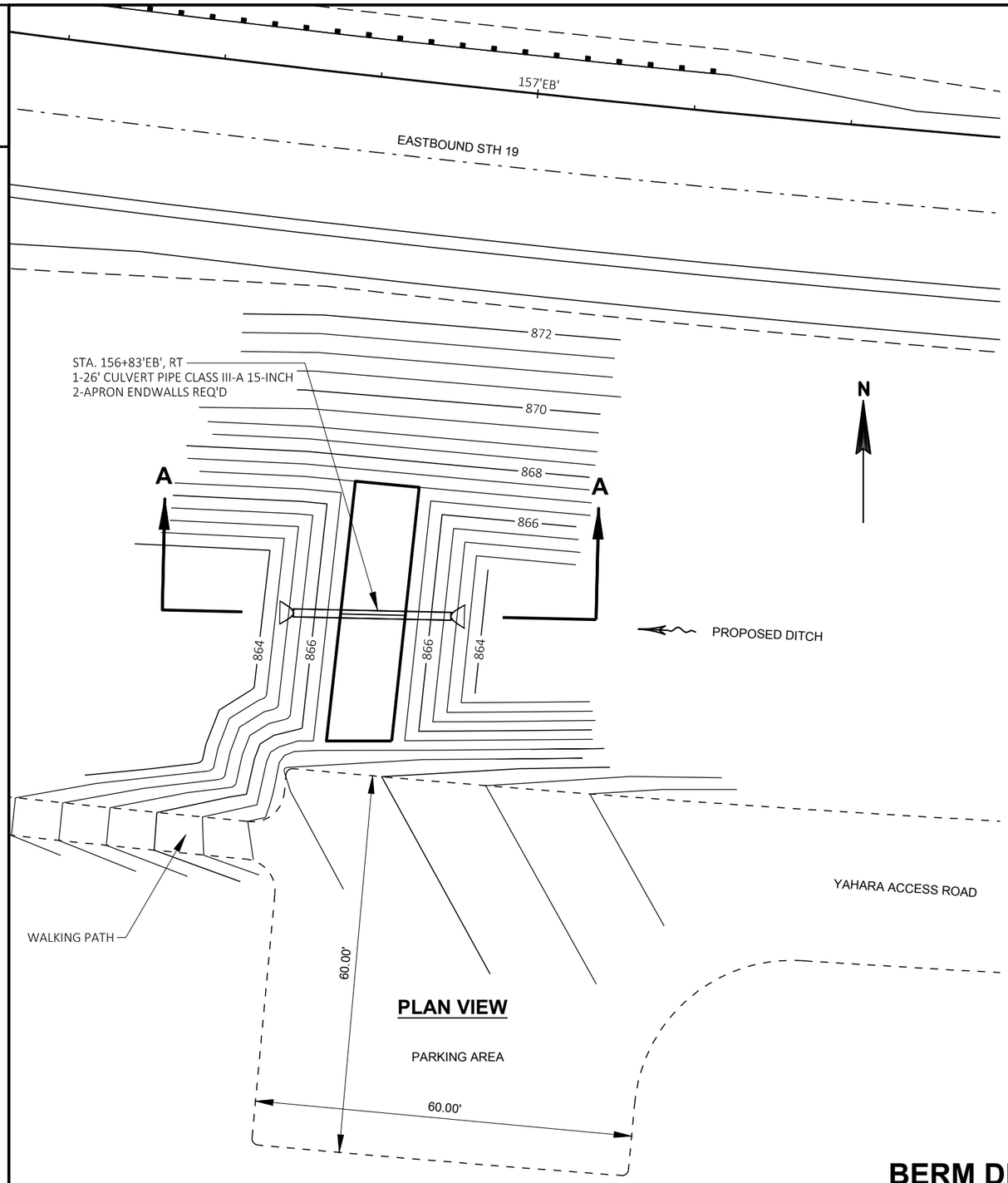
DETAIL FOR CANOE AND KAYAK LAUNCH

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CONSTRUCTION DETAILS	SHEET	E

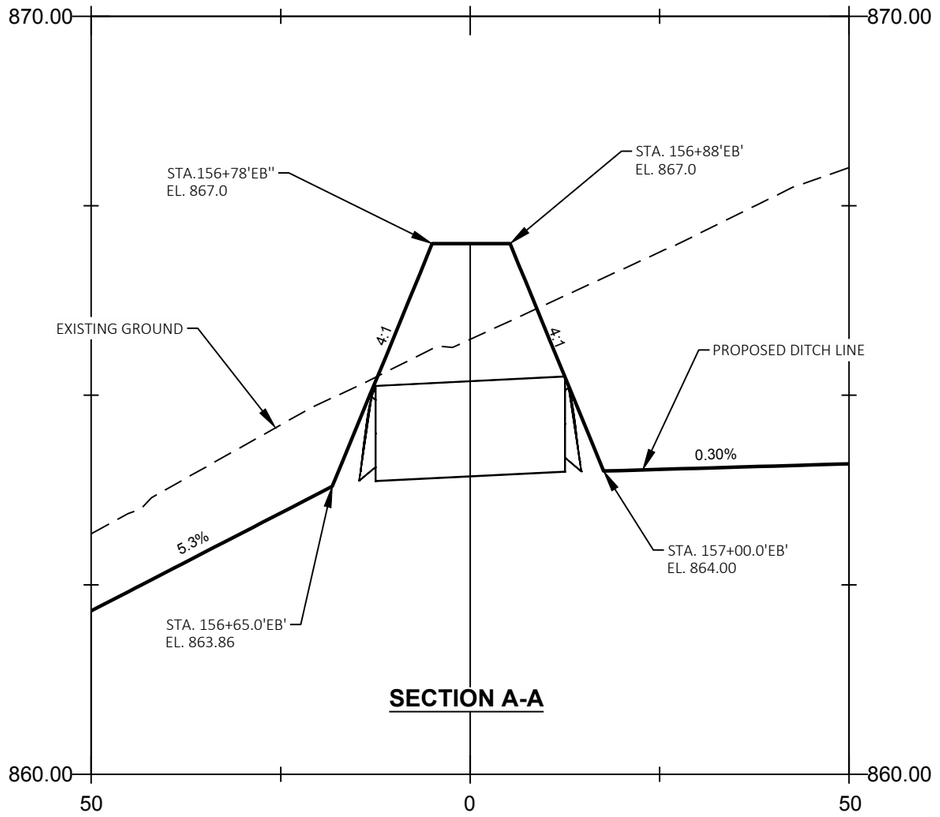
FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0210B_CD.DWG
LAYOUT NAME - 07
PLOT DATE : 4/16/2019 11:30 AM
PLOT BY : MUENCH, DOUGLAS
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2

2



PLAN VIEW

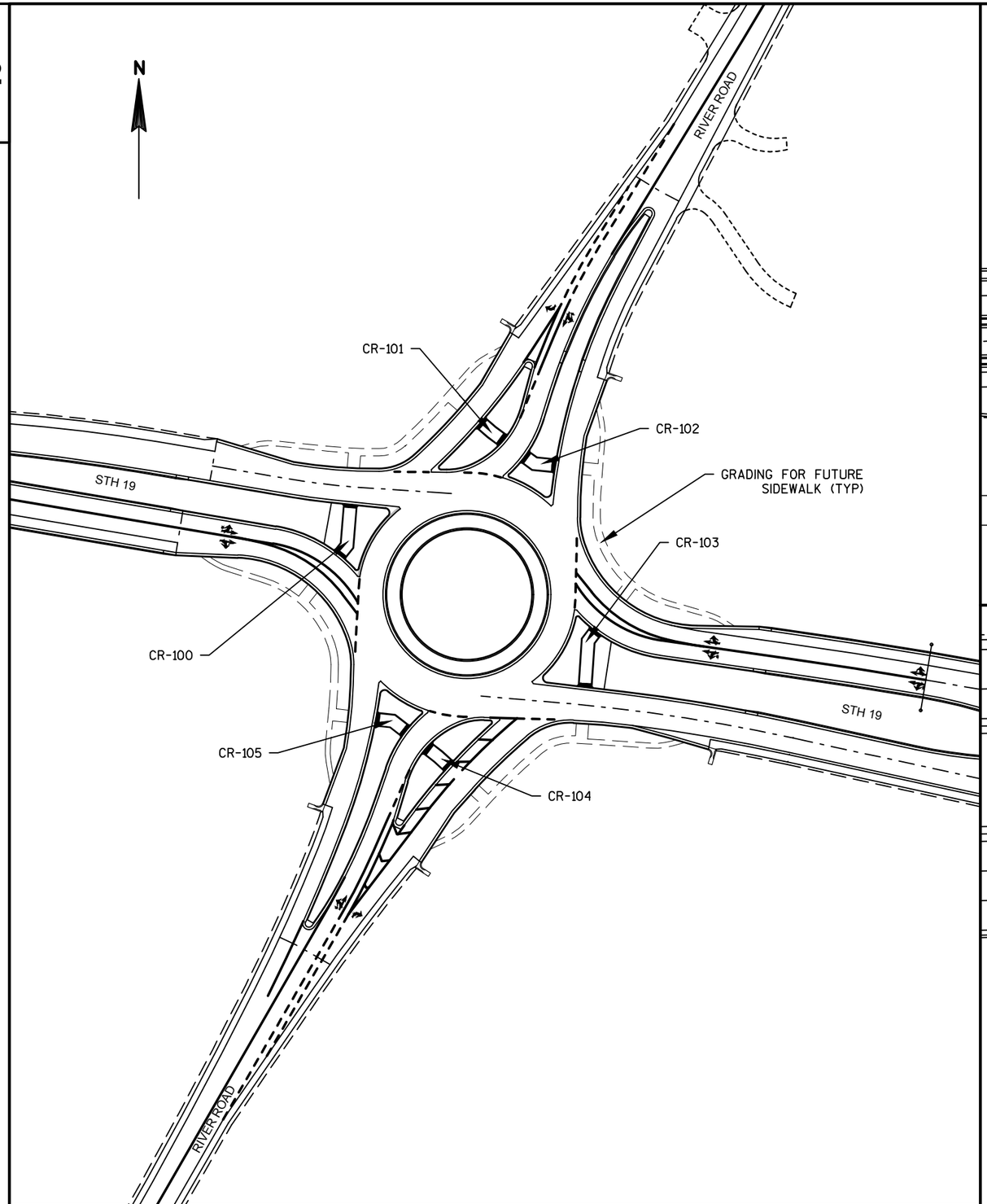


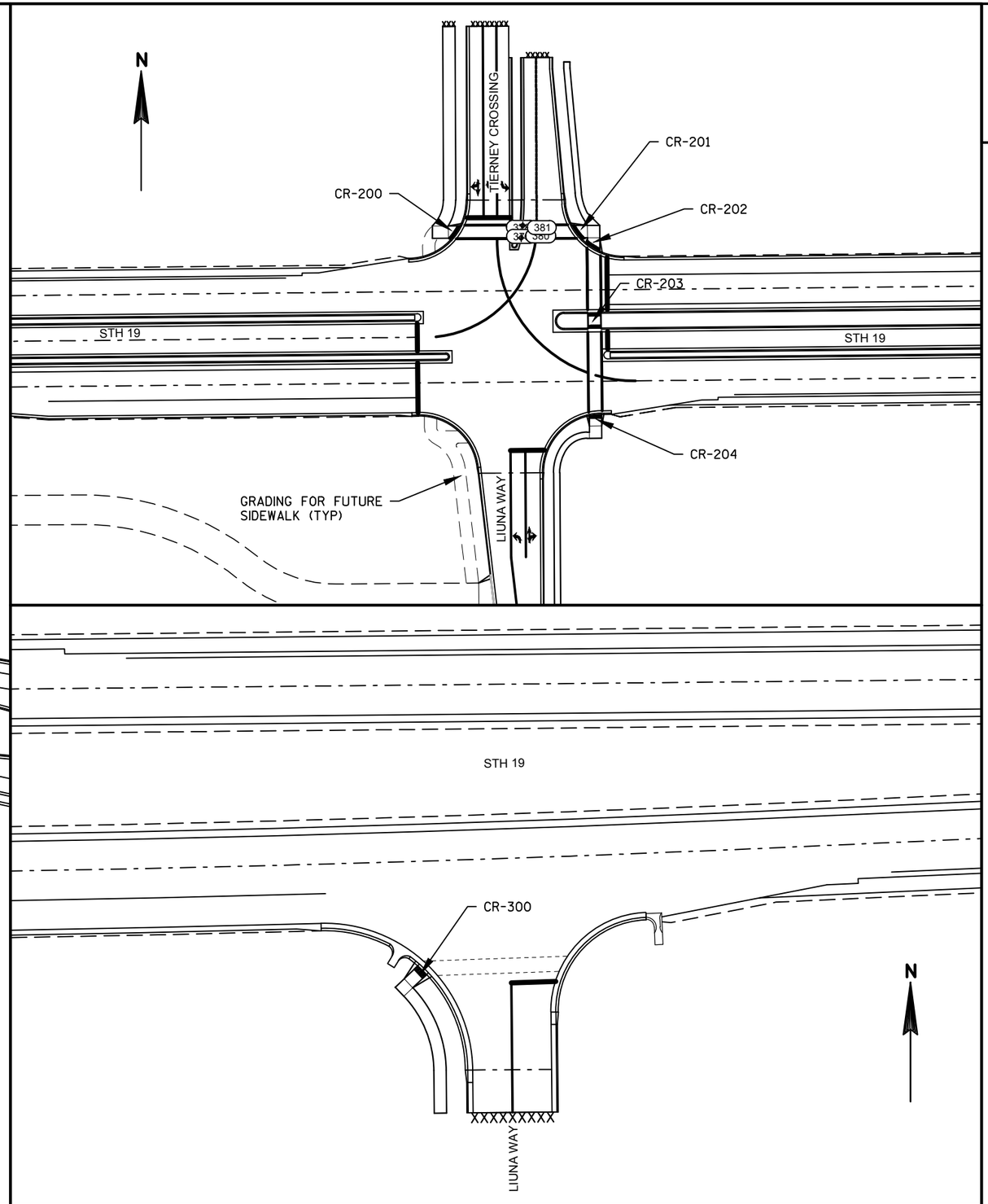
SECTION A-A

BERM DETAIL

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CONSTRUCTION DETAILS - BERM	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0210C_CD.DWG
LAYOUT NAME - CD_05
PLOT DATE : 3/14/2019 7:30 AM
PLOT BY : KRUEGER, KIRK
PLOT NAME :
PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 42





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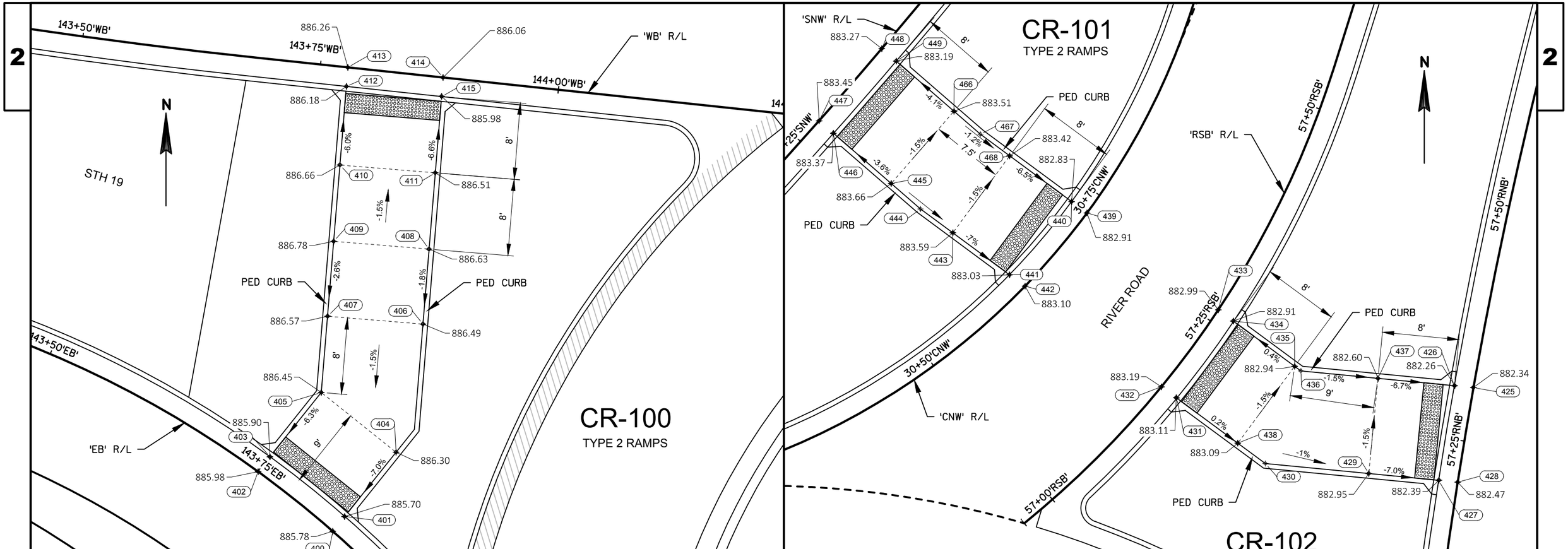
PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CONSTRUCTION DETAILS - CURB RAMP DETAILS	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0210D_CD.DWG
LAYOUT NAME - CR_01
PLOT DATE : 4/29/2019 7:43 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:100 FT



STATION & OFFSET TABLE				
POINT	STATION	OFFSET	Y	X
400	143+85.02'EB'	0.00'	526769.941	826034.520
401	143+84.93'EB'	2.00' LT	526771.504	826035.770
402	143+75.02'EB'	0.00'	526776.186	826026.710
403	143+75.10'EB'	2.00' LT	526777.750	826027.960
404	143+84.58'EB'	10.58' LT	526778.208	826041.132
405	143+75.45'EB'	10.58' LT	526784.454	826033.322
406	143+79.04'EB'	22.70' LT	526791.612	826043.941
407	143+71.84'EB'	17.46' LT	526792.427	826033.974
408	143+88.32'WB'	18.00' RT	526799.450	826044.583
409	143+78.32'WB'	18.24' RT	526800.266	826034.616
410	143+78.13'WB'	10.24' RT	526808.242	826035.269
411	143+88.13'WB'	10.00' RT	526807.426	826045.235

STATION & OFFSET TABLE				
POINT	STATION	OFFSET	Y	X
412	143+77.93'WB'	2.00' RT	526816.459	826035.941
413	143+77.88'WB'	0.00'	526818.453	826036.105
414	143+87.88'WB'	0.00'	526817.396	826046.051
415	143+87.93'WB'	2.00' RT	526815.402	826045.888

STATION & OFFSET TABLE				
POINT	STATION	OFFSET	Y	X
425	57+30.67'RNB'	0.00'	526851.887	826210.107
426	57+30.52'RNB'	2.00' LT	526852.080	826208.110
427	57+20.53'RNB'	2.00' LT	526842.192	826206.467
428	57+20.65'RNB'	0.00'	526842.000	826208.461
429	57+20.11'RNB'	9.32' LT	526842.898	826199.168
430	57+17.00'RSB'	13.49' RT	526843.943	826188.356
431	57+16.50'RSB'	2.00' RT	526850.779	826179.101
432	57+16.41'RSB'	0.00'	526851.969	826177.490
433	57+26.41'RSB'	0.00'	526860.012	826183.432
434	57+26.31'RSB'	2.00' RT	526858.823	826185.043
435	57+25.96'RSB'	9.92' RT	526854.114	826191.417
436	57+25.92'RSB'	10.73' RT	526853.630	826192.072
437	57+29.90'RNB'	9.99' LT	526852.851	826200.130
438	57+16.86'RSB'	9.92' RT	526846.071	826185.475

STATION & OFFSET TABLE				
POINT	STATION	OFFSET	Y	X
439	30+72.73'CNW'	0.00'	526870.147	826169.714
440	30+72.73'CNW'	2.00' LT	526871.336	826168.105
441	30+62.42'CNW'	2.00' LT	526863.696	826161.616
442	30+62.70'CNW'	0.00'	526862.496	826163.240
443	30+61.28'CNW'	9.29' LT	526868.073	826155.691
444	57+28.03'SNW'	14.06' RT	526870.563	826152.321
445	57+27.99'SNW'	9.99' RT	526873.232	826149.250
446	57+27.92'SNW'	2.00' RT	526878.471	826143.220
447	57+27.90'SNW'	0.00'	526879.783	826141.711
448	57+37.90'SNW'	0.00'	526887.331	826148.270
449	57+37.88'SNW'	2.00' RT	526886.019	826149.780
466	57+37.80'SNW'	9.99' RT	526880.780	826155.809
467	57+37.76'SNW'	13.66' RT	526878.371	826158.581
468	30+72.74'CNW'	10.05' LT	526876.116	826161.633

PROJECT NO:5290-00-72	HWY: STH 19	COUNTY: DANE	CONSTRUCTION DETAILS - CURB RAMP DETAILS	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0210D_CD.DWG
LAYOUT NAME - CR_02
PLOT DATE : 4/29/2019 7:43 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:10 FT_1

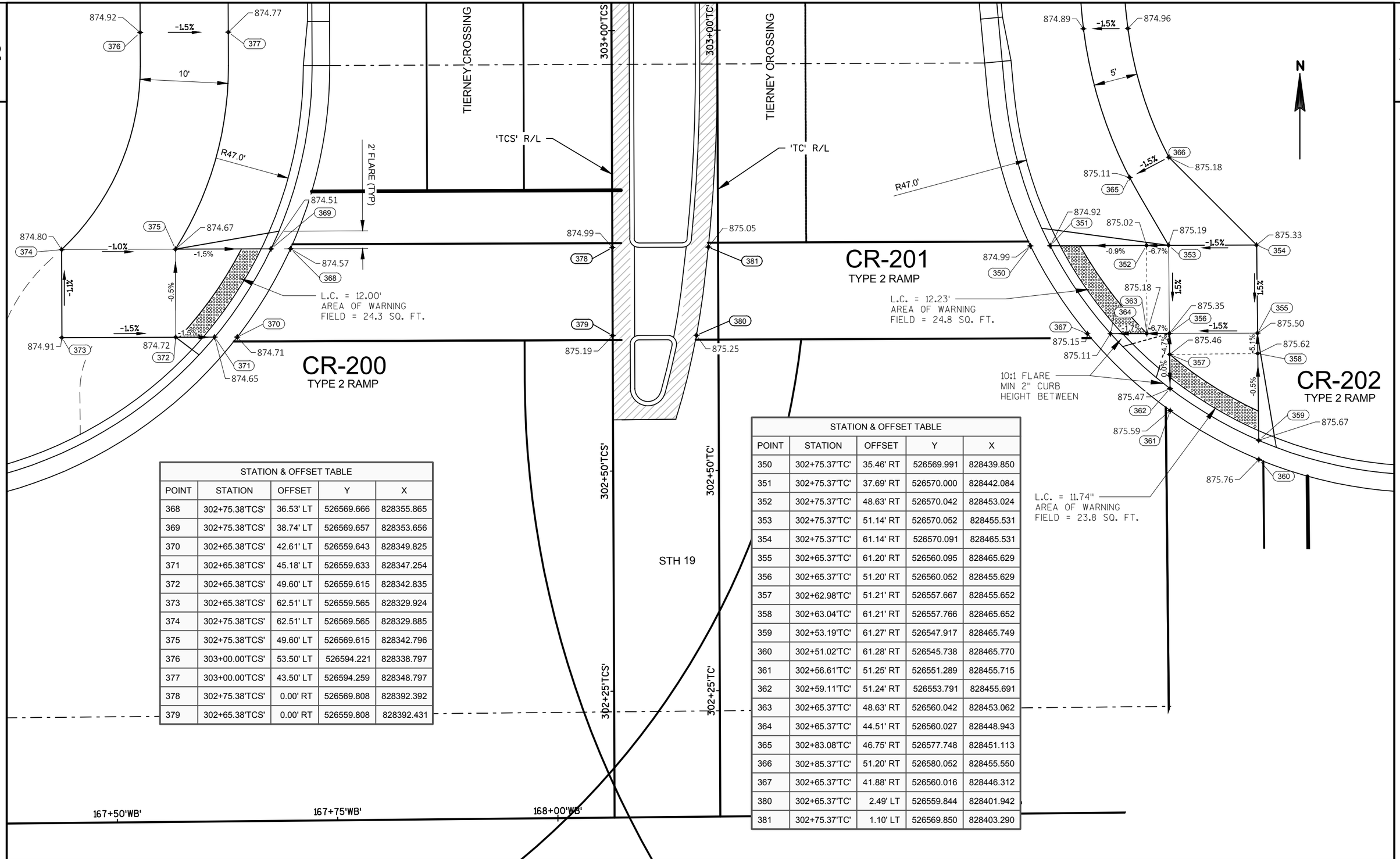
STATION & OFFSET TABLE				
POINT	STATION	OFFSET	Y	X
450	146+19.31'EB'	0.00'	526666.112	826226.074
451	146+29.32'EB'	0.00'	526664.932	826236.017
452	146+19.21'EB'	2.00' LT	526668.110	826226.209
453	146+29.22'EB'	2.00' LT	526666.930	826236.152
454	146+18.80'EB'	10.00' LT	526676.102	826226.749
455	146+28.79'EB'	10.51' LT	526675.428	826236.726
456	146+18.40'EB'	18.00' LT	526684.095	826227.289
457	146+28.38'EB'	18.51' LT	526683.420	826237.266
458	146+33.18'WB'	21.15' RT	526698.007	826228.229
459	146+40.48'WB'	15.93' RT	526697.332	826238.207

STATION & OFFSET TABLE				
POINT	STATION	OFFSET	Y	X
460	146+28.78'WB'	13.73' RT	526706.978	826228.836
461	146+37.79'WB'	10.74' RT	526703.319	826238.611
462	146+28.32'WB'	2.00' RT	526716.336	826235.933
463	146+38.14'WB'	2.00' RT	526710.292	826243.901
464	146+28.23'WB'	0.00'	526717.931	826237.143
465	146+38.23'WB'	0.00'	526711.888	826245.111

STATION & OFFSET TABLE				
POINT	STATION	OFFSET	Y	X
475	54+61.84'SES'	0.00'	526598.316	826119.018
476	54+61.86'SES'	2.00' LT	526599.667	826117.543
477	54+71.84'SES'	0.00'	526605.694	826125.769
478	54+71.82'SES'	2.00' LT	526607.044	826124.294
479	54+61.98'SES'	13.66' LT	526607.538	826108.940
480	54+71.71'SES'	14.06' LT	526615.183	826115.399
481	30+65.05'CSE'	2.00' RT	526614.816	826099.600
482	30+75.35'CSE'	2.00' RT	526622.286	826106.283
483	54+71.78'RSB'	0.00'	526636.961	826058.452
484	54+71.96'RSB'	2.00' RT	526636.748	826060.449
485	54+81.81'RSB'	0.00'	526646.819	826060.315
486	54+81.95'RSB'	2.00' RT	526646.606	826062.308
487	54+82.53'RSB'	10.44' RT	526645.707	826070.723
488	54+72.78'RSB'	11.23' RT	526635.764	826069.661
489	54+73.78'RNB'	9.93' LT	526632.637	826076.728
490	54+82.88'RNB'	9.93' LT	526640.526	826082.874
491	54+83.23'RNB'	2.00' LT	526635.647	826089.135
492	54+83.33'RNB'	0.00'	526634.416	826090.715
493	54+73.33'RNB'	0.00'	526626.528	826084.569
494	54+73.42'RNB'	2.00' LT	526627.759	826082.989
495	30+65.05'CSE'	0.00'	526616.045	826098.023
496	30+75.08'CSE'	0.00'	526623.527	826104.691

PROJECT NO:5290-00-72	HWY: STH 19	COUNTY: DANE	CONSTRUCTION DETAILS - CURB RAMP DETAILS	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0210D_CD.DWG
LAYOUT NAME - CR_03
PLOT DATE : 4/29/2019 7:43 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:10 FT_1



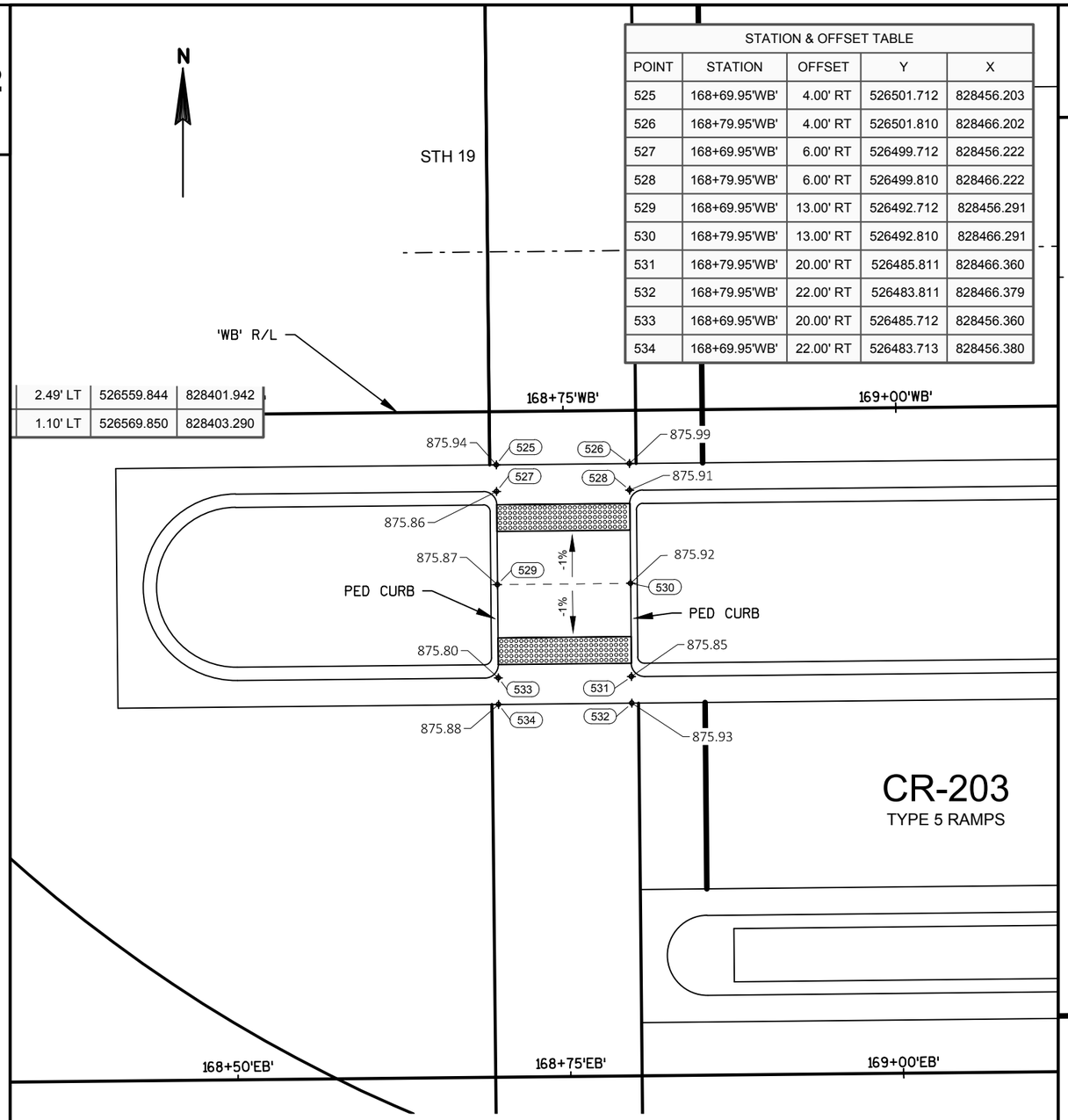
STATION & OFFSET TABLE				
POINT	STATION	OFFSET	Y	X
368	302+75.38'TCS'	36.53' LT	526569.666	828355.865
369	302+75.38'TCS'	38.74' LT	526569.657	828353.656
370	302+65.38'TCS'	42.61' LT	526559.643	828349.825
371	302+65.38'TCS'	45.18' LT	526559.633	828347.254
372	302+65.38'TCS'	49.60' LT	526559.615	828342.835
373	302+65.38'TCS'	62.51' LT	526559.565	828329.924
374	302+75.38'TCS'	62.51' LT	526569.565	828329.885
375	302+75.38'TCS'	49.60' LT	526569.615	828342.796
376	303+00.00'TCS'	53.50' LT	526594.221	828338.797
377	303+00.00'TCS'	43.50' LT	526594.259	828348.797
378	302+75.38'TCS'	0.00' RT	526569.808	828392.392
379	302+65.38'TCS'	0.00' RT	526559.808	828392.431

STATION & OFFSET TABLE				
POINT	STATION	OFFSET	Y	X
350	302+75.37'TC'	35.46' RT	526569.991	828439.850
351	302+75.37'TC'	37.69' RT	526570.000	828442.084
352	302+75.37'TC'	48.63' RT	526570.042	828453.024
353	302+75.37'TC'	51.14' RT	526570.052	828455.531
354	302+75.37'TC'	61.14' RT	526570.091	828465.531
355	302+65.37'TC'	61.20' RT	526560.095	828465.629
356	302+65.37'TC'	51.20' RT	526560.052	828455.629
357	302+62.98'TC'	51.21' RT	526557.667	828455.652
358	302+63.04'TC'	61.21' RT	526557.766	828465.652
359	302+53.19'TC'	61.27' RT	526547.917	828465.749
360	302+51.02'TC'	61.28' RT	526545.738	828465.770
361	302+56.61'TC'	51.25' RT	526551.289	828455.715
362	302+59.11'TC'	51.24' RT	526553.791	828455.691
363	302+65.37'TC'	48.63' RT	526560.042	828453.062
364	302+65.37'TC'	44.51' RT	526560.027	828448.943
365	302+83.08'TC'	46.75' RT	526577.748	828451.113
366	302+85.37'TC'	51.20' RT	526580.052	828455.550
367	302+65.37'TC'	41.88' RT	526560.016	828446.312
380	302+65.37'TC'	2.49' LT	526559.844	828401.942
381	302+75.37'TC'	1.10' LT	526569.850	828403.290

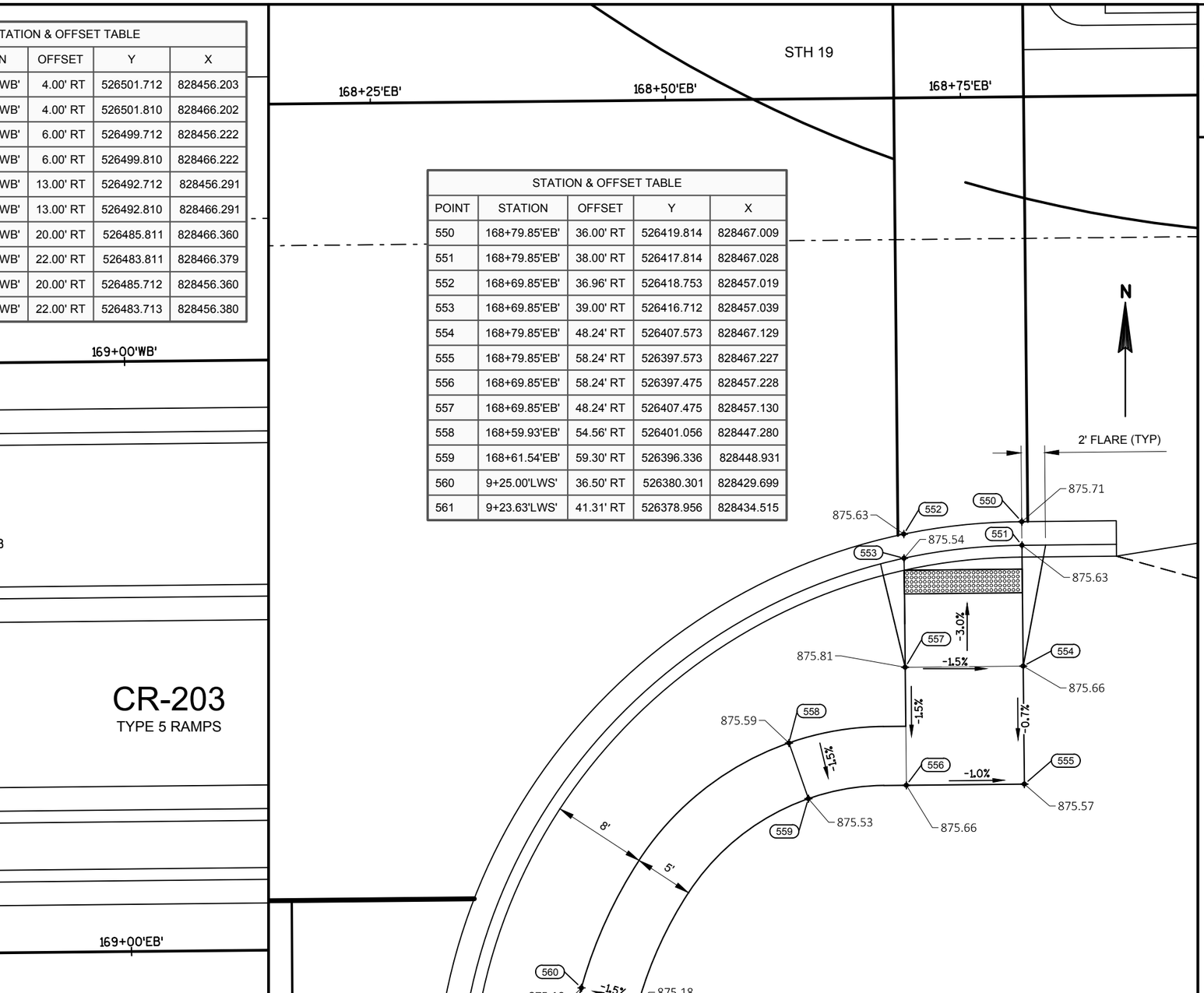
PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CONSTRUCTION DETAILS - CURB RAMP DETAILS	SHEET	E

STATION & OFFSET TABLE				
POINT	STATION	OFFSET	Y	X
525	168+69.95'WB'	4.00' RT	526501.712	828456.203
526	168+79.95'WB'	4.00' RT	526501.810	828466.202
527	168+69.95'WB'	6.00' RT	526499.712	828456.222
528	168+79.95'WB'	6.00' RT	526499.810	828466.222
529	168+69.95'WB'	13.00' RT	526492.712	828456.291
530	168+79.95'WB'	13.00' RT	526492.810	828466.291
531	168+79.95'WB'	20.00' RT	526485.811	828466.360
532	168+79.95'WB'	22.00' RT	526483.811	828466.379
533	168+69.95'WB'	20.00' RT	526485.712	828456.360
534	168+79.95'WB'	22.00' RT	526483.713	828456.380

2.49' LT	526559.844	828401.942
1.10' LT	526569.850	828403.290



STATION & OFFSET TABLE				
POINT	STATION	OFFSET	Y	X
550	168+79.85'EB'	36.00' RT	526419.814	828467.009
551	168+79.85'EB'	38.00' RT	526417.814	828467.028
552	168+69.85'EB'	36.96' RT	526418.753	828457.019
553	168+69.85'EB'	39.00' RT	526416.712	828457.039
554	168+79.85'EB'	48.24' RT	526407.573	828467.129
555	168+79.85'EB'	58.24' RT	526397.573	828467.227
556	168+69.85'EB'	58.24' RT	526397.475	828457.228
557	168+69.85'EB'	48.24' RT	526407.475	828457.130
558	168+59.93'EB'	54.56' RT	526401.056	828447.280
559	168+61.54'EB'	59.30' RT	526396.336	828448.931
560	9+25.00'LWS'	36.50' RT	526380.301	828429.699
561	9+23.63'LWS'	41.31' RT	526378.956	828434.515



PROJECT NO:5290-00-72	HWY: STH 19	COUNTY: DANE	CONSTRUCTION DETAILS - CURB RAMP DETAILS	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0210D_CD.DWG
LAYOUT NAME - CR_05
PLOT DATE : 4/29/2019 7:43 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:10 FT_1

2

2

STH 19

'LES' R/L

CR-300

TYPE 3 RAMP

N

2' FLARE (TYP)

881.89

881.97

882.03

881.95

882.42

882.49

882.50

882.57

882.79

882.87

504

508

509

501

505

500

503

502

506

507

7% MAX.

-1.5%

7.75'

5'

9+50'LES'

9+25'LES'

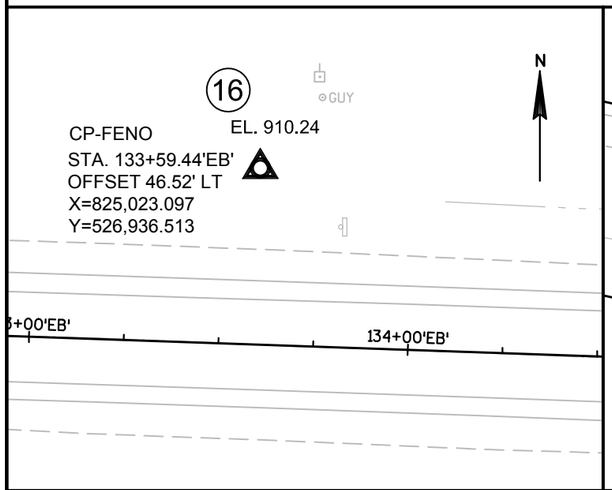
9+00'LES'

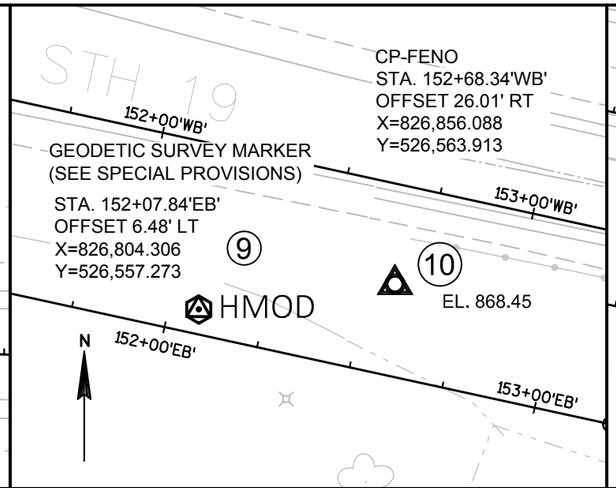
LIUNIA WAY

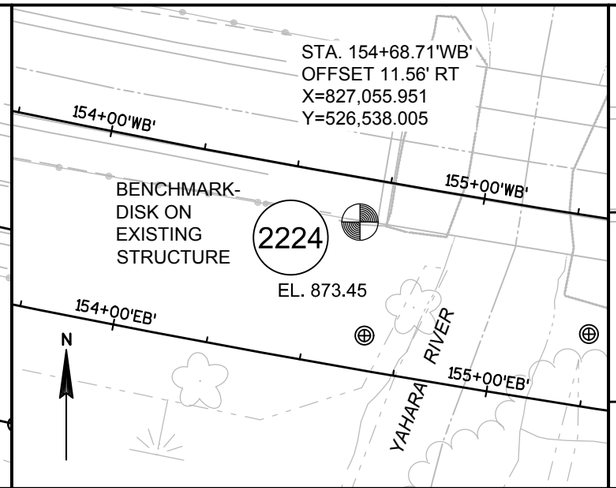
STATION & OFFSET TABLE				
POINT	STATION	OFFSET	Y	X
500	9+36.17'LES'	47.05' LT	526413.643	830322.074
501	9+39.58'LES'	43.39' LT	526417.088	830325.698
502	9+32.52'LES'	43.64' LT	526410.020	830325.519
503	9+35.93'LES'	39.98' LT	526413.465	830329.143
504	9+45.46'LES'	37.21' LT	526423.027	830331.817
505	9+41.90'LES'	33.58' LT	526419.494	830335.484
506	9+25.00'LES'	32.27' LT	526402.612	830336.956
507	9+22.70'LES'	36.71' LT	526400.269	830332.539
508	9+46.95'LES'	35.88' LT	526424.527	830333.140
509	9+43.26'LES'	32.12' LT	526420.872	830336.934

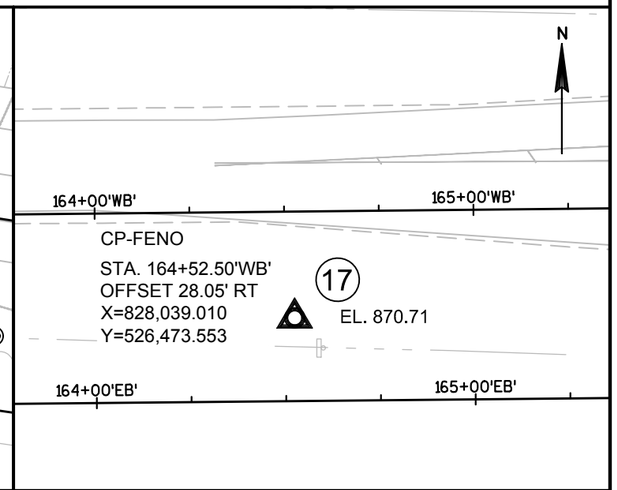
PROJECT NO:5290-00-72	HWY:STH 19	COUNTY:DANE	CONSTRUCTION DETAILS - CURB RAMP DETAILS	SHEET	E

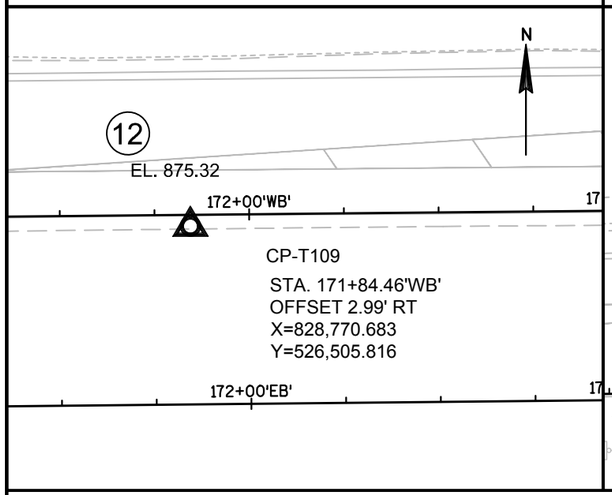
2

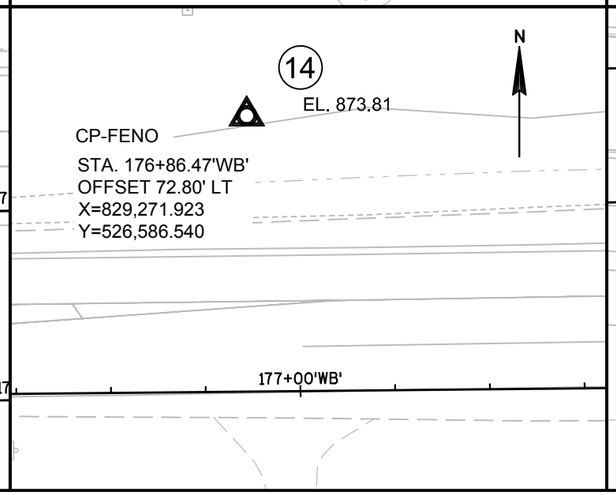


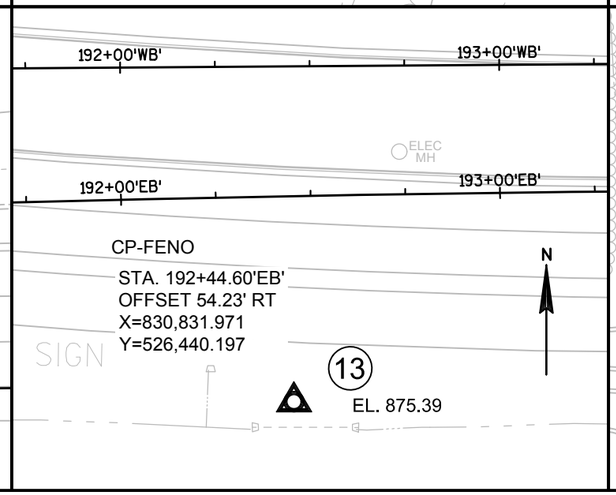


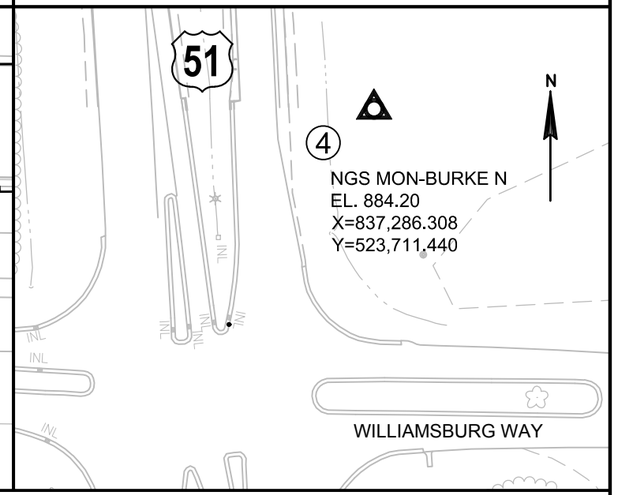












PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CONSTRUCTION DETAILS - CONTROL POINTS	SHEET	E

2

2

N

STH 19

135'WB'
910.09
909.49
908.87
-0.4%
-1.8%

135'EB'
910.11
909.61
909.60
909.37
909.88
908.83

136'WB'
908.32
908.01
907.77
907.21
907.45
907.37
907.96

136'EB'
909.09
909.07
908.56
908.52
908.28
907.72
907.13

137'WB'
906.63
906.04
905.43
905.67
905.04
904.88

137'EB'
906.87
906.78
906.28
906.16
905.53
905.91
905.27

138'WB'
904.80
904.16
903.50
903.74
903.07
904.40
904.22

138'EB'
903.53
902.84
902.83
902.38
902.12
903.94
903.24

139'WB'
902.14
901.43
900.70
900.95
900.22
902.53
901.80

139'EB'
901.67
901.39
900.65
899.90
899.52
901.05
900.28

140'WB'
899.95
899.49
899.20
899.07
898.75
898.46
898.02

140'EB'
898.45
897.70
896.94
896.18
895.42
894.66
897.67

STH 19

-2.0%
-4.0%

140'WB'
897.28
896.92
896.55
895.81
895.08

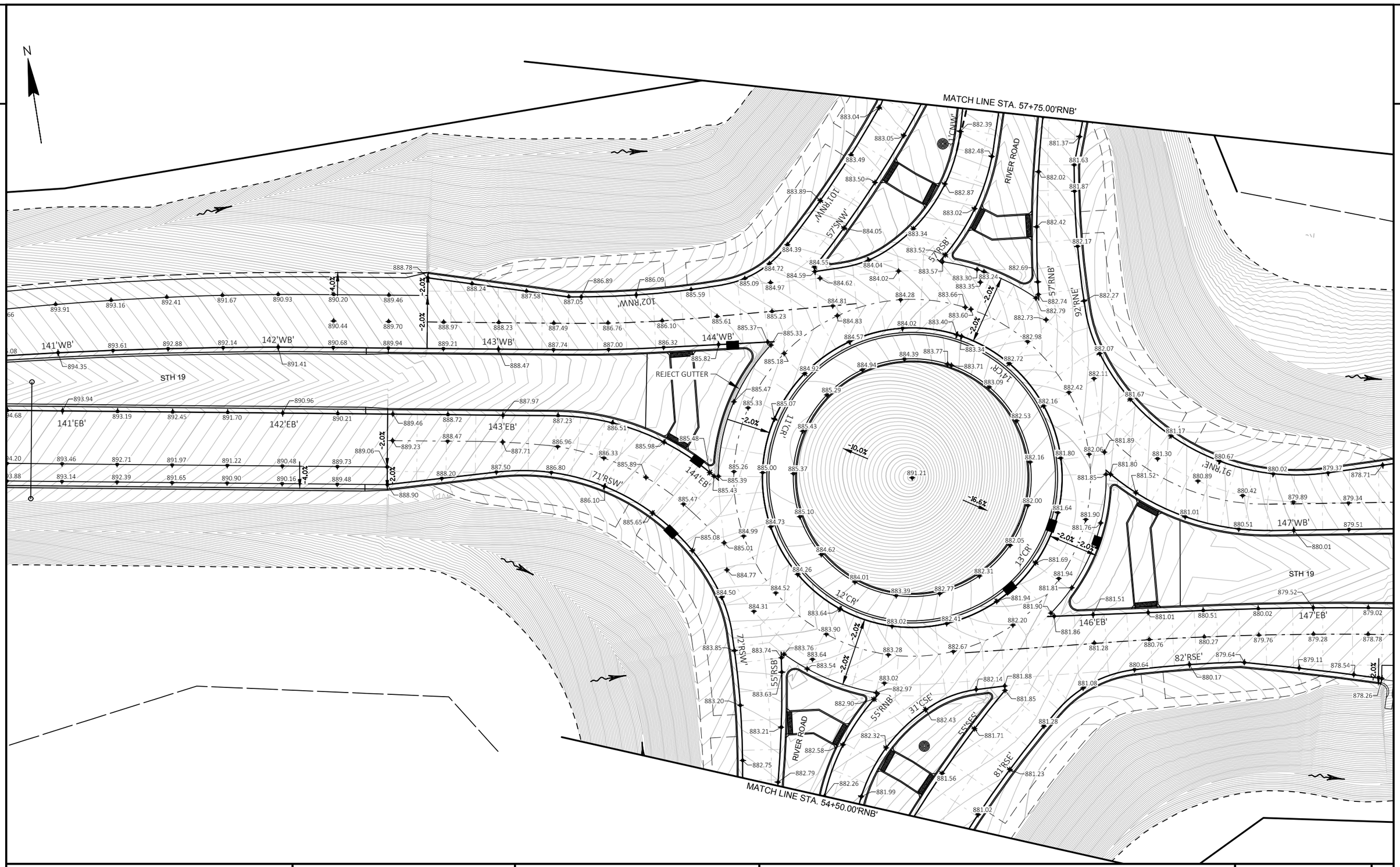
140'EB'
898.75
897.99
897.23
896.46
895.71
894.95
894.20
896.96
896.91
896.14
895.39
894.63
893.88

140'WB'
896.17
895.43
894.68

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	PAVING GRADES	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0211_PG.DWG
LAYOUT NAME - ID-SHEET101

PLOT DATE : 4/30/2019 12:25 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:40 FT



PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	PAVING GRADES	SHEET	E

2

2

N

49'RNB'

RIVER ROAD

50'RNB'

51'RSB'

51'RNB'

52'RSB'

52'RNB'

53'RSB'

53'RNB'

54'RSB'

54'RNB'

73'RSW

MATCH LINE STA. 54+50.00'RNB'

880.20 880.08 879.95 879.83 879.70 879.59 879.52 879.50 879.54 879.63 879.78 879.97 880.22 880.52 880.87 881.28 881.71 882.23

880.44 880.31 880.18 880.05 879.94 879.83 879.76 879.74 879.78 879.87 880.02 880.21 880.46 880.76 881.11 881.52 881.64 882.36

880.31 880.12 879.94 879.81 879.68 879.78 879.69 879.66 879.68 879.76 879.89 880.08 880.33 880.64 880.96 881.29 881.94 881.93

879.92 879.54 879.42 879.35 879.33 879.37 879.46 879.61 879.81 880.06 880.30 880.50 880.58 881.09 881.26 881.30

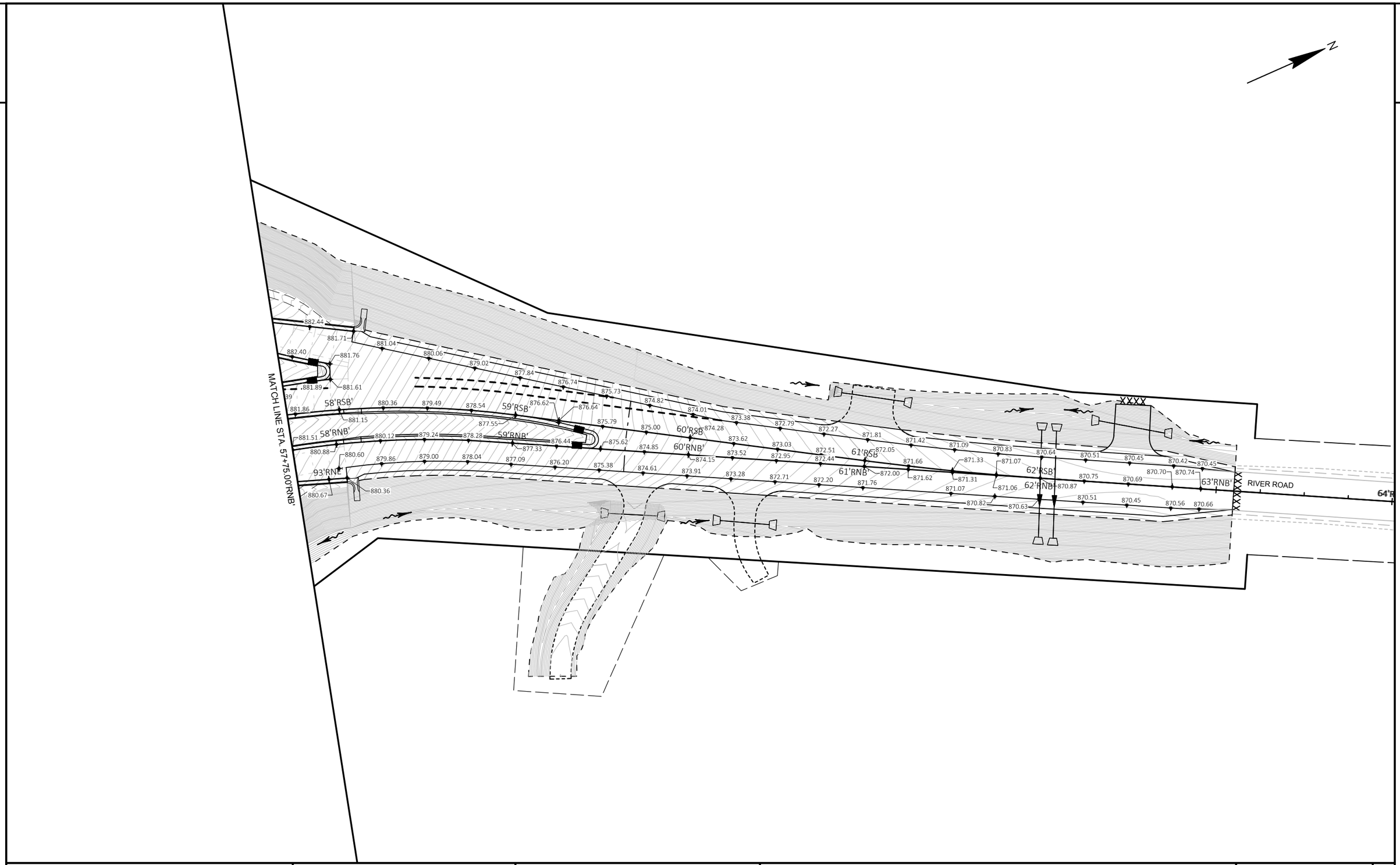
881.61 881.65 881.12 881.25 880.45 880.62 880.80

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	PAVING GRADES - RIVER ROAD	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0211_PG.DWG
LAYOUT NAME - ID-SHEET103

PLOT DATE : 4/30/2019 12:25 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:50 FT

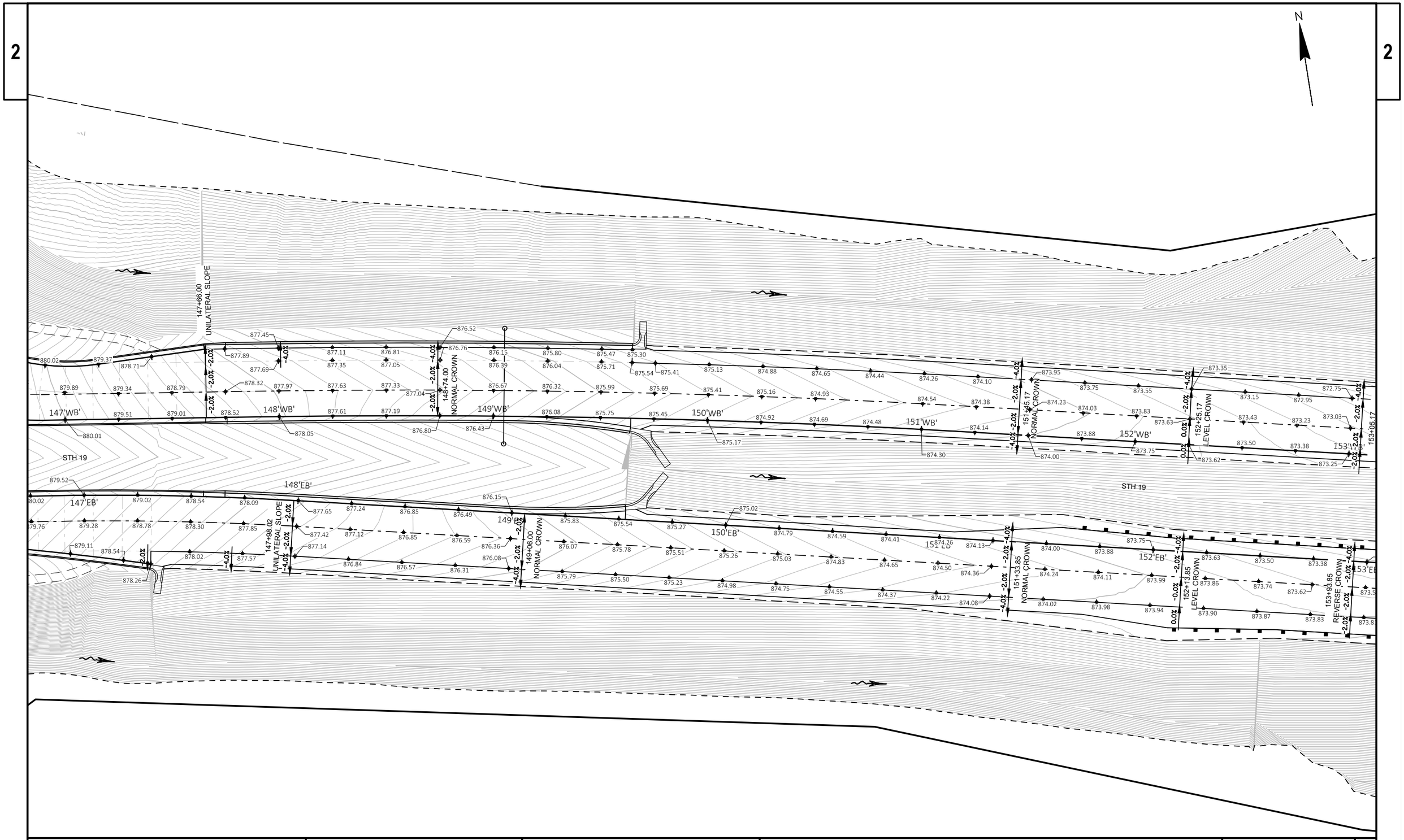
2



PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	PAVING GRADES - RIVER ROAD	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0211_PG.DWG
LAYOUT NAME - ID-SHEET104

PLOT DATE : 4/30/2019 12:25 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:50 FT



PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	PAVING GRADES	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0211_PG.DWG
LAYOUT NAME - ID-SHEET105

PLOT DATE : 4/30/2019 12:25 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

WB ALIGNMENT SUPERELEVATION TABLE

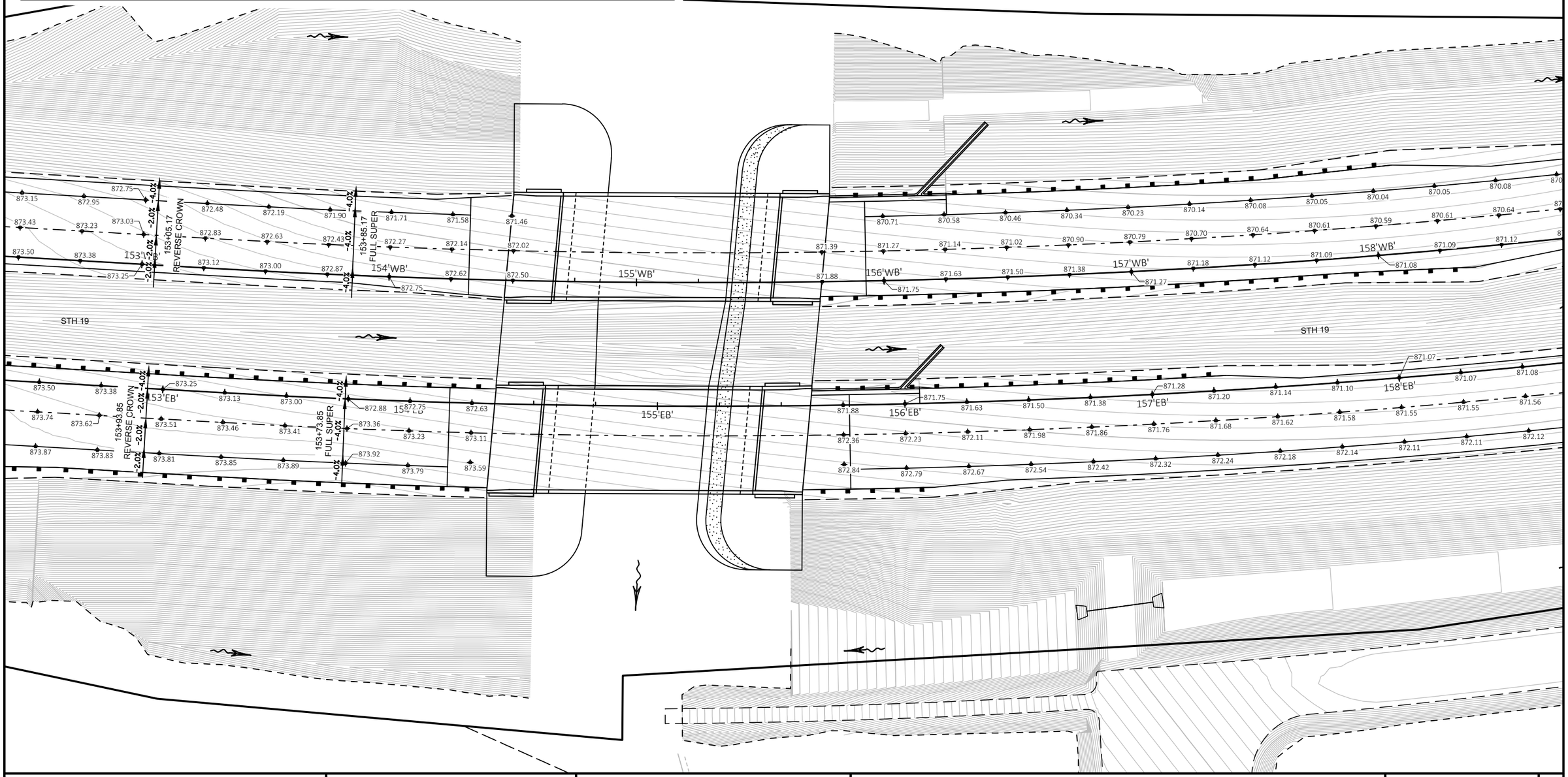
SUPERELEVATION TRANSITION EVENT POINTS		RATE			
LOCATION	STATION	LEFT OF CROWNLINE		RIGHT OF CROWNLINE	
		LEFT SHOULDER	LEFT LANE	RIGHT LANE	RIGHT SHOULDER
EndNormalShoulder	151+45.17'	-4.00%	-2.00%	-2.00%	-4.00%
EndNormalCrown	151+45.17'	-4.00%	-2.00%	-2.00%	-4.00%
LevelCrown	152+25.17'	-4.00%	-2.00%	.00%	.00%
ReverseCrown	153+05.17'	-4.00%	-2.00%	2.00%	2.00%
BeginFullSuper	153+85.17'	-4.00%	-4.00%	4.00%	4.00%
EndFullSuper	160+41.15'	-4.00%	-4.00%	4.00%	4.00%
ReverseCrown	161+21.15'	-4.00%	-2.00%	2.00%	-0.50%
LevelCrown	162+01.15'	-4.00%	-2.00%	.00%	-2.96%
BeginNormalShoulder RT	162+25.00'	-4.00%	-2.00%	-0.60%	-4.00%
BeginNormalCrown	162+81.15'	-4.00%	-2.00%	-2.00%	-4.00%
BeginNormalShoulder LT	162+81.15'	-4.00%	-2.00%	-2.00%	-4.00%

EB ALIGNMENT SUPERELEVATION TABLE

SUPERELEVATION TRANSITION EVENT POINTS		RATE			
LOCATION	STATION	LEFT OF CROWNLINE		RIGHT OF CROWNLINE	
		LEFT SHOULDER	LEFT LANE	RIGHT LANE	RIGHT SHOULDER
EndNormalShoulder	151+33.85'	-4.00%	-2.00%	-2.00%	-4.00%
EndNormalCrown	151+33.85'	-4.00%	-2.00%	-2.00%	-4.00%
LevelCrown	152+13.85'	-4.00%	-2.00%	.00%	.00%
ReverseCrown	152+93.85'	-4.00%	-2.00%	2.00%	2.00%
BeginFullSuper	153+73.85'	-4.00%	-4.00%	4.00%	4.00%
EndFullSuper	160+41.04'	-4.00%	-4.00%	4.00%	4.00%
ReverseCrown	161+21.04'	-4.00%	-2.00%	2.00%	2.00%
LevelCrown	162+01.04'	-4.00%	-2.00%	.00%	.00%
BeginNormalCrown	162+81.04'	-4.00%	-2.00%	-2.00%	-4.00%
BeginNormalShoulder	162+81.04'	-4.00%	-2.00%	-2.00%	-4.00%

N

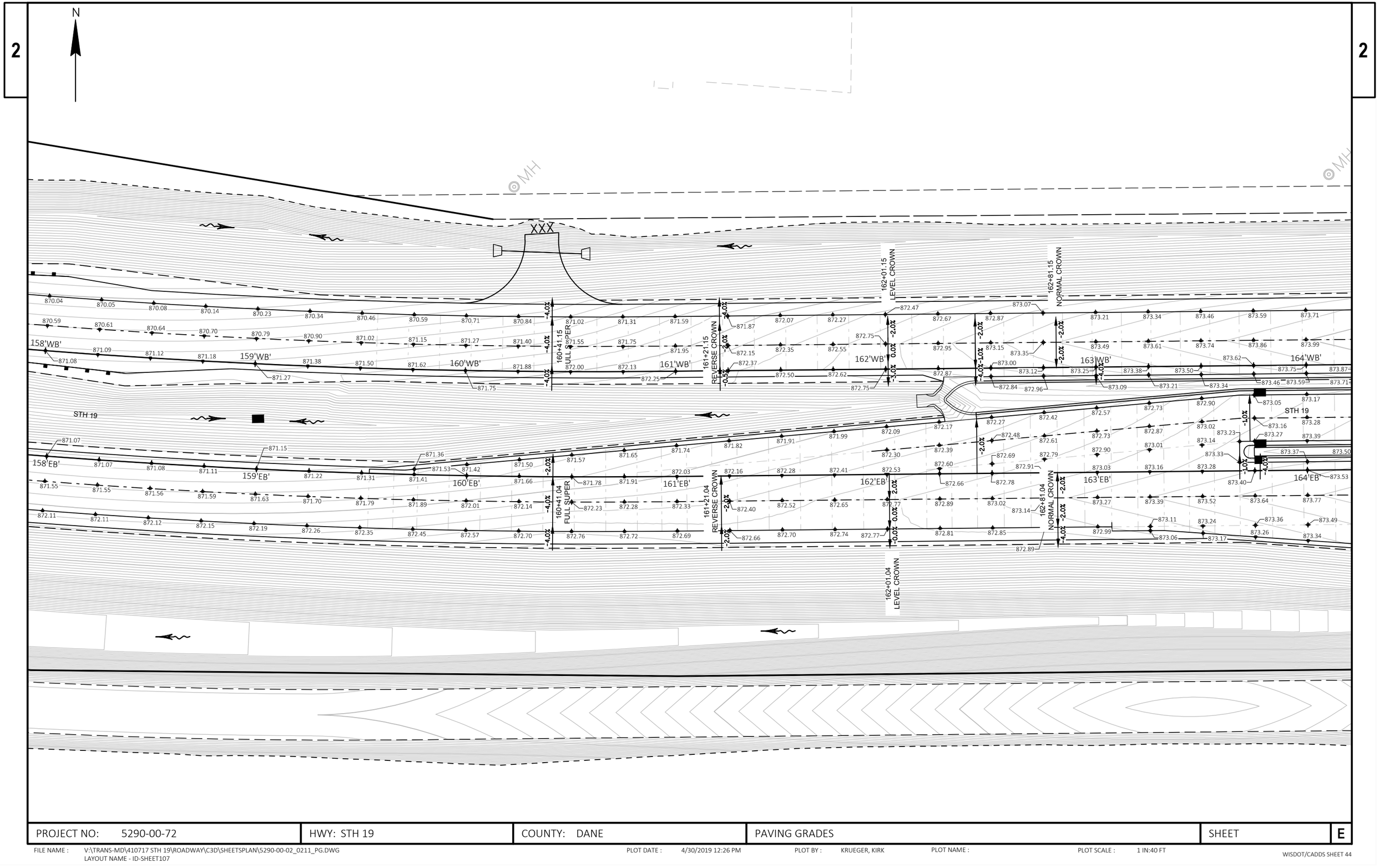
2



PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	PAVING GRADES	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0211_PG.DWG
LAYOUT NAME - ID-SHEET106

PLOT DATE : 4/30/2019 12:26 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:40 FT

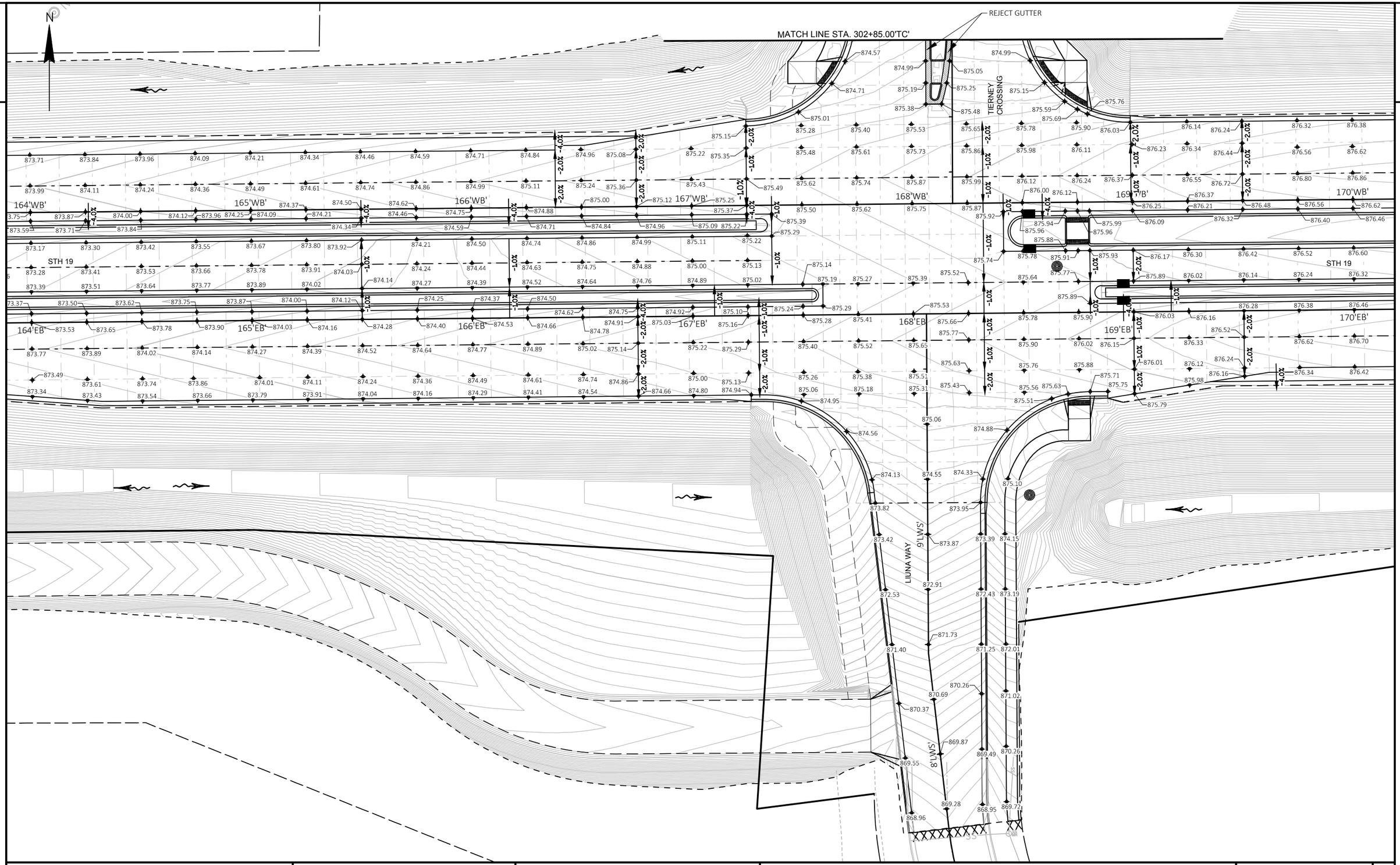


PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	PAVING GRADES	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0211_PG.DWG
LAYOUT NAME - ID-SHEET107

PLOT DATE : 4/30/2019 12:26 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	PAVING GRADES	SHEET	E

2

N

MATCH LINE STA. 302+85.00'TC'

874.77 874.41 874.32 874.40 874.63 874.82

874.07 873.70 873.63 873.54 873.62 873.88 874.22

REJECT GUTTER

874.55 874.27 874.18 874.26 874.52 874.91

303'TC'' 304'TC'' TIERNEY CROSSING 305'TC'' 306'TC'' 307'TC''

874.59 874.29 874.17 874.22 874.46

873.78 873.73 873.65 873.75 874.03

874.22 874.43 874.54 874.81

874.89 874.51

SS MH

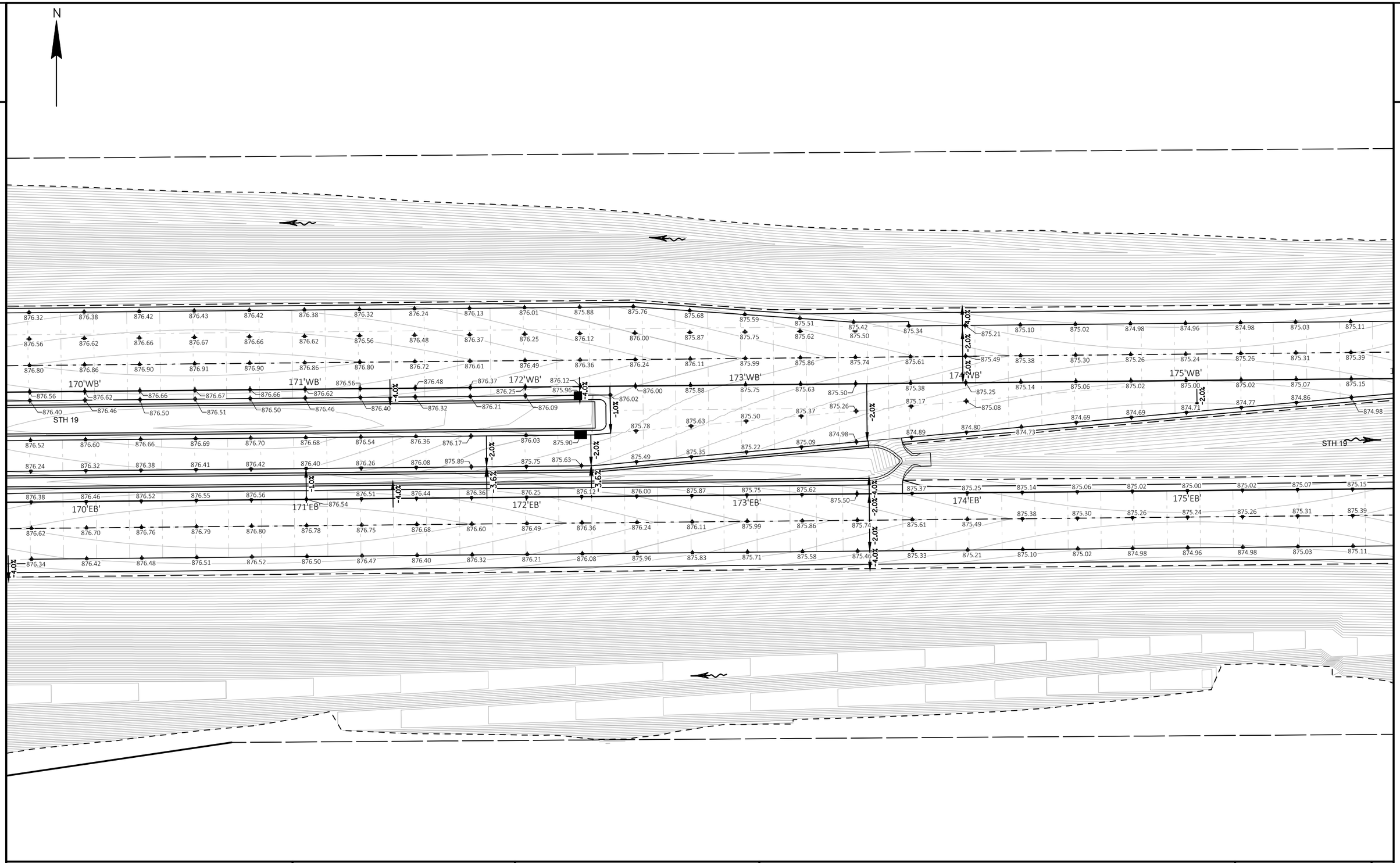
2

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	PAVING GRADES - TIERNEY CROSSING	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0211_PG.DWG
LAYOUT NAME - ID-SHEET109

PLOT DATE : 4/30/2019 12:26 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : ##########

2



PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	PAVING GRADES	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0211_PG.DWG
LAYOUT NAME - ID-SHEET110

PLOT DATE : 4/30/2019 12:26 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

N

12'CW'

CASHEL WAY

11'CW'

878.41 878.31 878.55 878.25 878.35 878.70 878.55 878.51 879.10 879.13 878.84

877.97 878.20 878.38 878.56 878.66 878.86 879.11 879.37 879.62 879.88 880.15 880.39 880.64 880.90 881.15 881.40 881.62 881.83 882.02 882.18 882.33 882.45 882.56 882.65 882.71 882.79

878.29 878.55 878.80 879.06 879.31 879.57 879.82 880.08 880.33 880.59 880.84 881.10 881.35 881.60 881.82 882.03 882.22 882.38 882.53 882.65 882.76 882.85 882.91 882.96

878.31 878.57 878.83 879.08 879.34 879.59 879.85 880.10 880.36 880.61 880.87 881.12 881.38 881.63 881.88 882.10 882.31 882.50 882.66 882.81 882.93 883.04 883.13 883.19 883.24

179'WB' 180'WB' 181'WB' 182'WB' 183'WB' 184'WB' 185'WB'

878.07 878.33 878.59 878.84 879.10 879.35 879.61 879.86 880.12 880.37 880.63 880.88 881.14 881.39 881.64 881.86 882.07 882.26 882.42 882.57 882.69 882.80 882.89 882.95 883.00

STH 19

STH 19

882.07 882.70

878.07 878.33 878.59 878.84 879.10 879.35 879.61 879.86 880.12 880.37 880.63 880.88 881.14 881.39 881.64 881.86 882.07 882.26 882.42 882.57 882.70 882.80 882.89 882.96 883.01

179'EB' 180'EB' 181'EB' 182'EB' 183'EB' 184'EB' 185'EB'

878.31 878.57 878.83 879.08 879.34 879.59 879.85 880.10 880.36 880.61 880.87 881.12 881.38 881.63 881.88 882.10 882.31 882.50 882.66 882.80 882.94 883.04 883.13 883.20 883.25

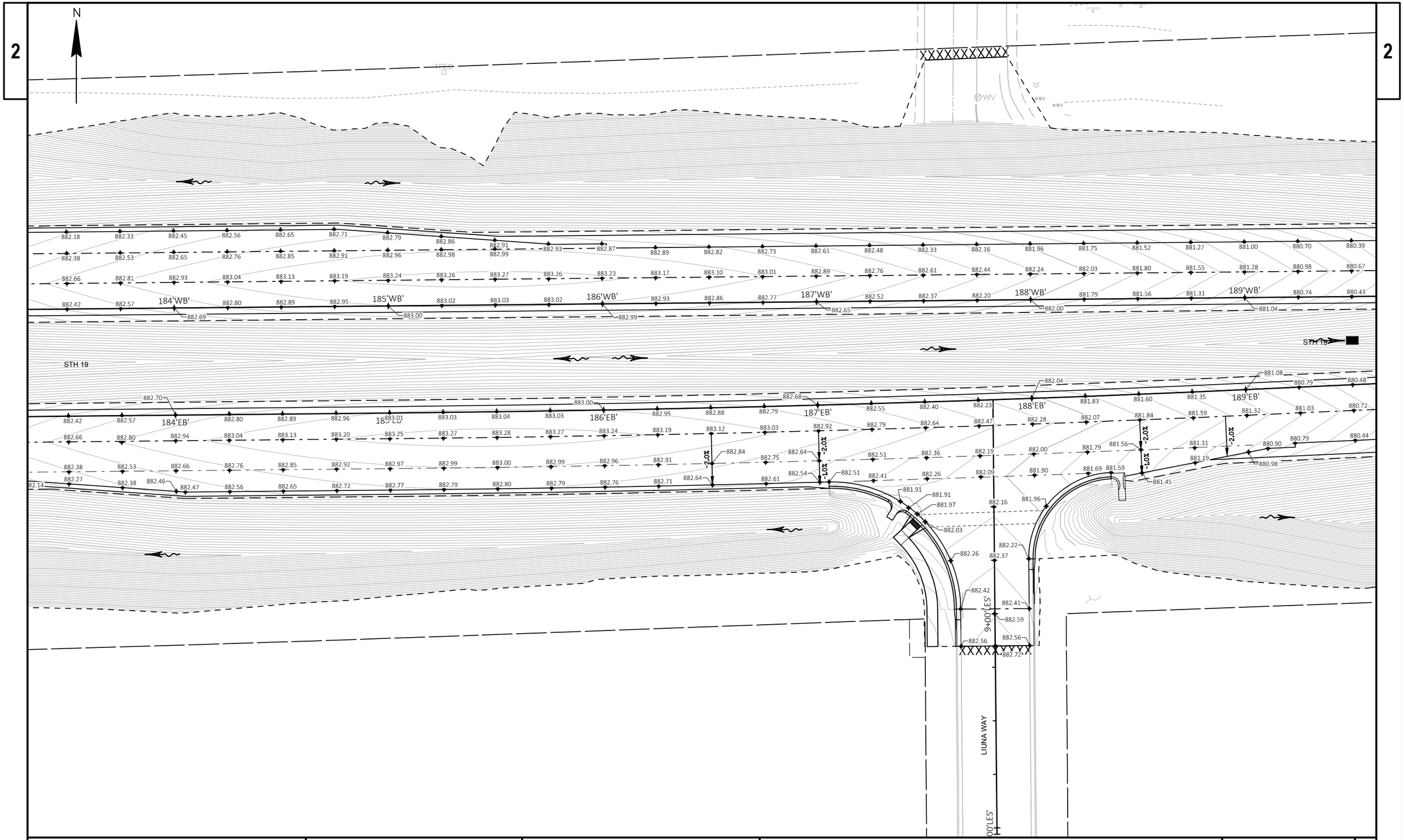
878.03 878.29 878.55 878.80 879.06 879.31 879.57 879.82 880.08 880.33 880.59 880.84 881.10 881.35 881.60 881.86 882.03 882.22 882.38 882.53 882.66 882.76 882.85 882.92 882.97

881.98 882.14 882.27 882.38 882.46 882.47 882.56 882.65 882.72 882.77

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	PAVING GRADES	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0211_PG.DWG
LAYOUT NAME - ID-SHEET111

PLOT DATE : 4/30/2019 12:26 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:40 FT



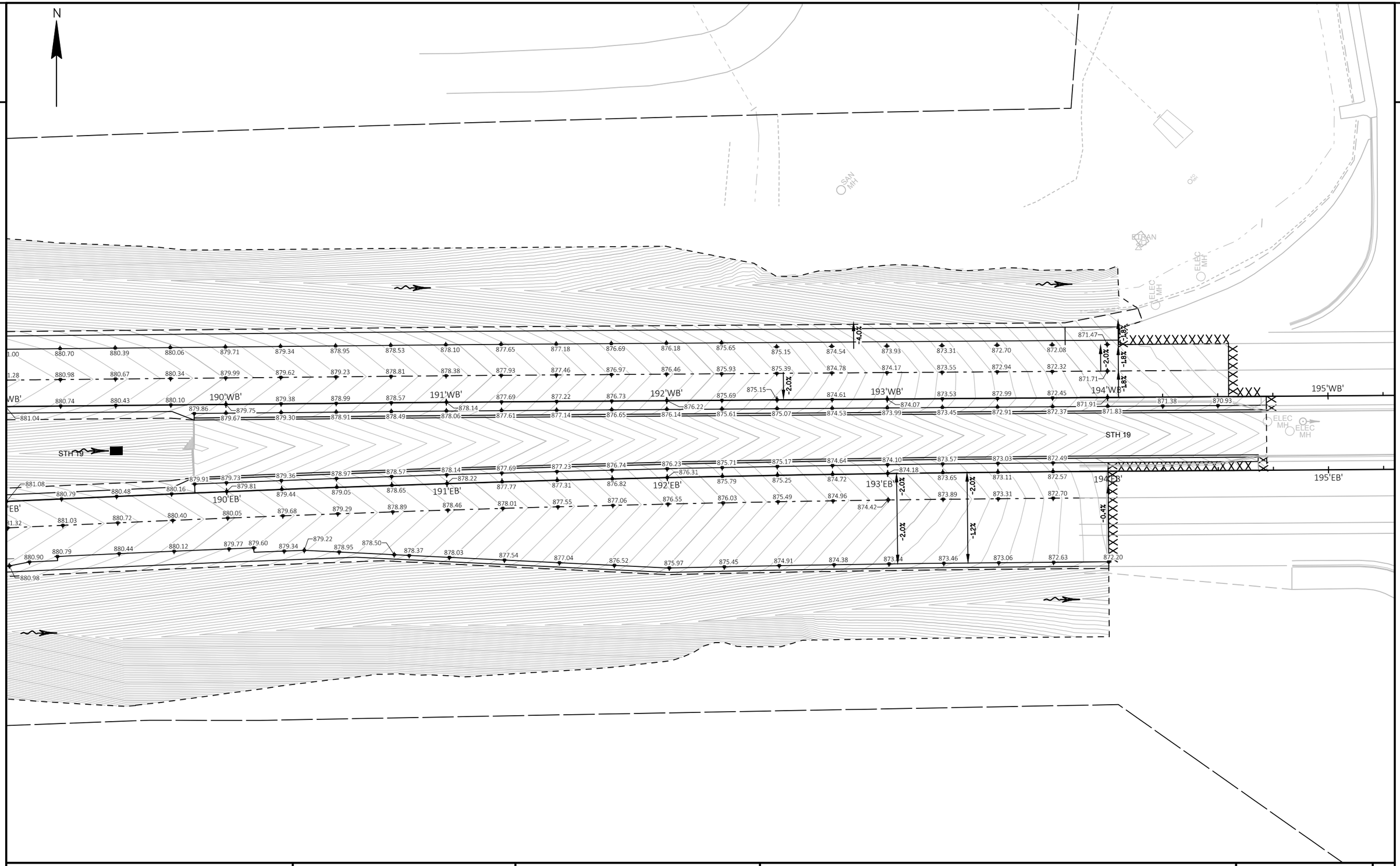
PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	PAVING GRADES	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0211_PG.DWG
LAYOUT NAME - ID-SHEET112

PLOT DATE : 4/30/2019 12:26 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N



PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	PAVING GRADES	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0211_PG.DWG
LAYOUT NAME - ID-SHEET113

PLOT DATE : 4/30/2019 12:26 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:40 FT

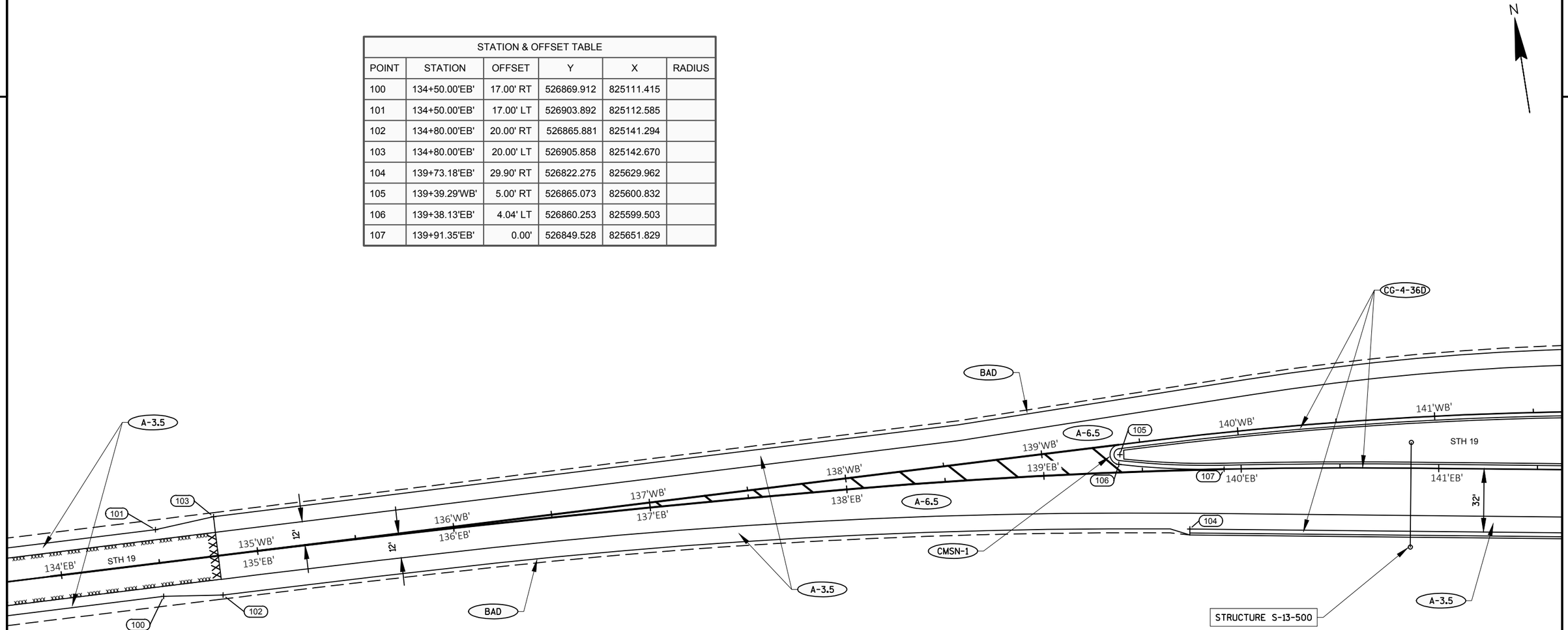
LEGEND

- AF — ASPHALTIC FLUME
- AS-2.5 — 2.5" ASPHALTIC SURFACE
- A-3.5 — 3.5" HMA PAVEMENT
- A-4.5 — 4.5" HMA PAVEMENT
- A-4.75 — 4.75 HMA PAVEMENT
- A-5 — 5" HMA PAVEMENT
- A-6.5 — 6.5" HMA PAVEMENT
- BAD — BASE AGGREGATE DENSE ¾-INCH (SHOULDER)
- C-8.5 — CONCRETE PAVEMENT 8.5-INCH
- CCP — CONCRETE CURB PEDESTRIAN
- CG — CONCRETE CURB TYPE G
- CG-18A — CONCRETE CURB & GUTTER 18-INCH TYPE A
- CG-30A — CONCRETE CURB & GUTTER 30-INCH TYPE A
- CG-4-36A — CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A
- CG-30D — CONCRETE CURB & GUTTER 30-INCH TYPE D
- CG-4-36D — CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D
- CG-36R — CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R
- CG-TBTT — CONCRETE CURB & GUTTER 4-INCH SLOPED 30-INCH TYPE TBTT
- CMBN — CONCRETE MEDIAN BLUNT NOSE
- CMSN-1 — CONCRETE MEDIAN SLOPED NOSE, TYPE 1
- CMSN-2 — CONCRETE MEDIAN SLOPED NOSE, TYPE 2
- CPAS — CONCRETE PAVEMENT APPROACH SLAB
- CSD — CONCRETE SURFACE DRAIN
- CS-4 — CONCRETE SIDEWALK 4-INCH
- DOWEL — DRILLED DOWEL BARS (ANCHORED INTO EXISTING CONCRETE PAVEMENT, 15" CENTER TO CENTER, PER SDD 13C9-b)
- DRW — CONCRETE DRIVEWAY 6-INCH
- E-ASPH — 2.5" ASPHALTIC SURFACE DRIVEWAYS & FE'S (CONSTRUCT ENTRANCE PER SDD 8D21)
- EAT — MGS GUARDRAIL TERMINAL EAT
- E-GRV — 6" BASE AGGREGATE DENSE, 3/4-INCH AGGREGATE IN TOP 3" MIN. (CONSTRUCT ENTRANCE PER SDD 8D21)
- ICD — ISLAND CORNER DETAIL (SDD 9A1b)
- MGS3 — MGS GUARDRAIL 3
- SAS — STRUCTURAL APPROACH SLAB
- TBTT — CONCRETE CURB & GUTTER 4-INCH SLOPED 30-INCH TYPE TBTT
- THRIE — MGS THRIE BEAM TRANSITION
- TIE — DRILLED TIE BARS (ANCHORED INTO CONCRETE PAVEMENT, 2'-6" CENTER TO CENTER, PER SDD 8D1-b)
- TRUK — CONCRETE TRUCK APRON 12-INCH
- TYPE2 — MGS GUARDRAIL TERMINAL TYPE 2
- WTRN — W-BEAM TRANSITION AND CONNECTION TO SQUARE END PARAPET, PER SDD 14B45-d
- XXXXX — SAWCUT
- CURB RAMP DETECTABLE WARNING FIELD

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	PAVING DETAILS	SHEET	E

2

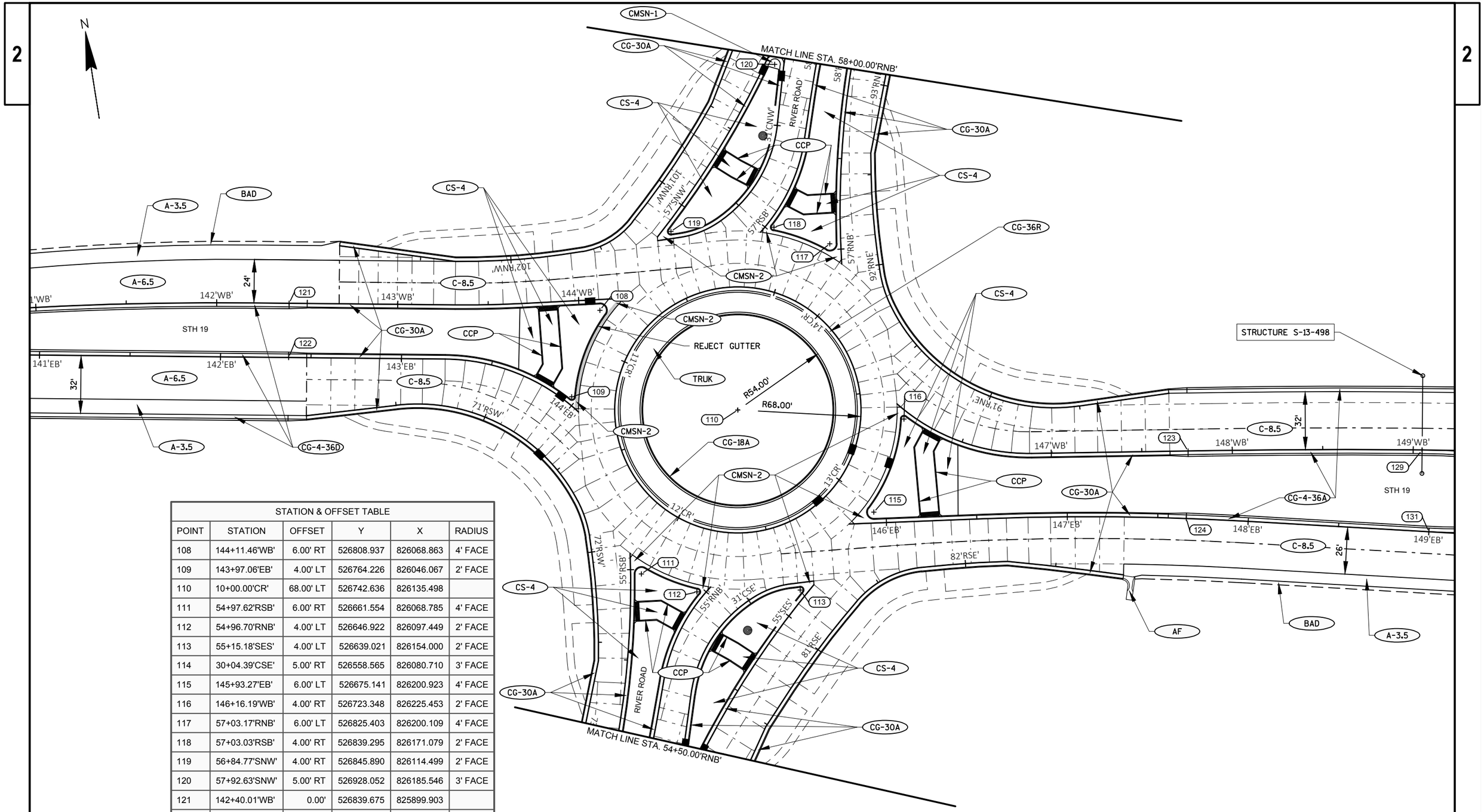
STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y	X	RADIUS
100	134+50.00'EB'	17.00' RT	526869.912	825111.415	
101	134+50.00'EB'	17.00' LT	526903.892	825112.585	
102	134+80.00'EB'	20.00' RT	526865.881	825141.294	
103	134+80.00'EB'	20.00' LT	526905.858	825142.670	
104	139+73.18'EB'	29.90' RT	526822.275	825629.962	
105	139+39.29'WB'	5.00' RT	526865.073	825600.832	
106	139+38.13'EB'	4.04' LT	526860.253	825599.503	
107	139+91.35'EB'	0.00'	526849.528	825651.829	



PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	PAVING DETAILS	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0212_PD.DWG
LAYOUT NAME - PD-SHEET101

PLOT DATE : 4/30/2019 12:42 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:50 FT

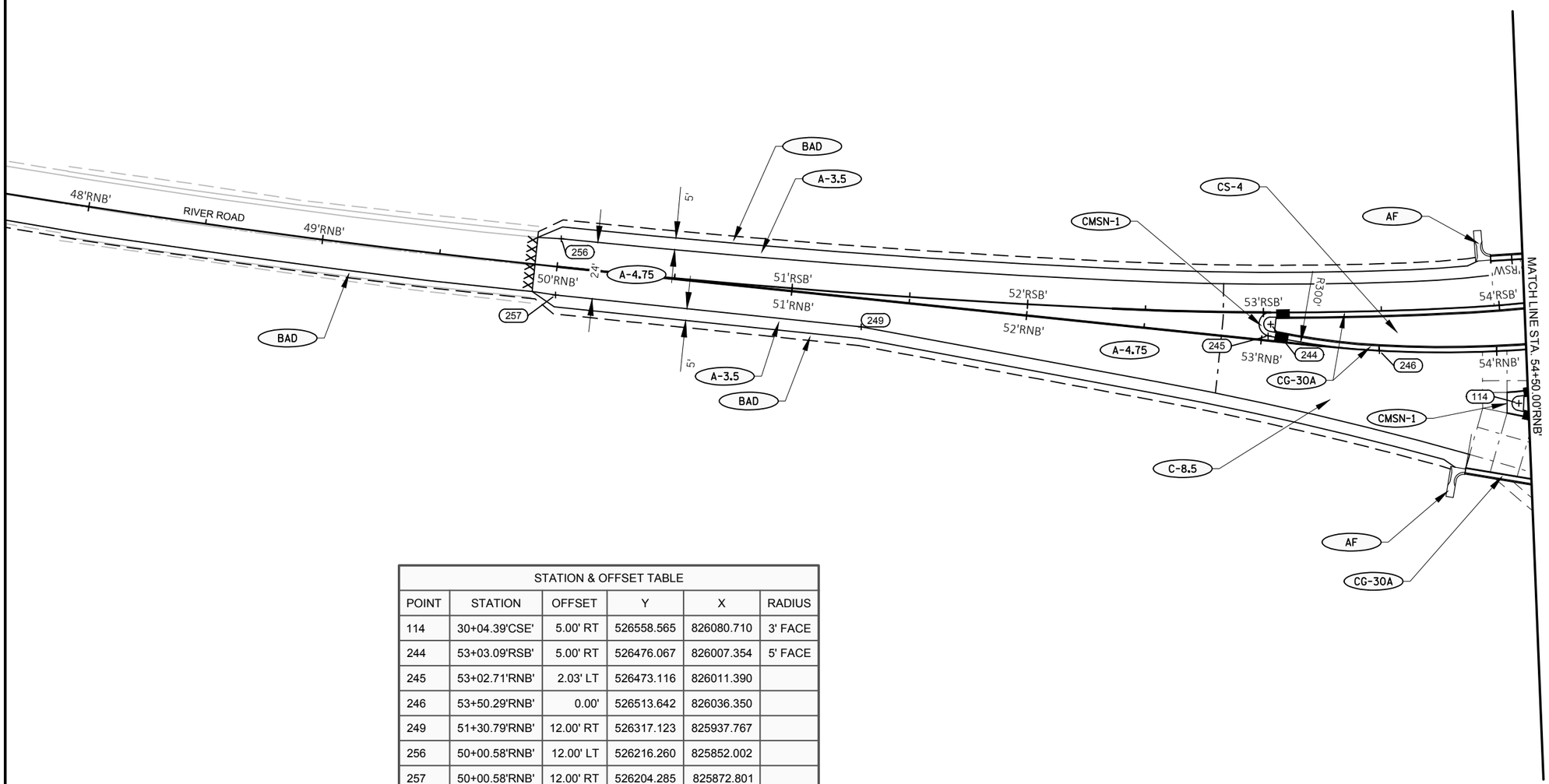


STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y	X	RADIUS
108	144+11.46'WB'	6.00' RT	526808.937	826068.863	4' FACE
109	143+97.06'EB'	4.00' LT	526764.226	826046.067	2' FACE
110	10+00.00'CR'	68.00' LT	526742.636	826135.498	
111	54+97.62'RSB'	6.00' RT	526661.554	826068.785	4' FACE
112	54+96.70'RNB'	4.00' LT	526646.922	826097.449	2' FACE
113	55+15.18'SES'	4.00' LT	526639.021	826154.000	2' FACE
114	30+04.39'CSE'	5.00' RT	526558.565	826080.710	3' FACE
115	145+93.27'EB'	6.00' LT	526675.141	826200.923	4' FACE
116	146+16.19'WB'	4.00' RT	526723.348	826225.453	2' FACE
117	57+03.17'RNB'	6.00' LT	526825.403	826200.109	4' FACE
118	57+03.03'RSB'	4.00' RT	526839.295	826171.079	2' FACE
119	56+84.77'SNW'	4.00' RT	526845.890	826114.499	2' FACE
120	57+92.63'SNW'	5.00' RT	526928.052	826185.546	3' FACE
121	142+40.01'WB'	0.00'	526839.675	825899.903	
122	142+37.63'EB'	0.00'	526810.092	825894.920	
123	147+75.61'WB'	0.00'	526681.373	826377.727	
124	147+65.77'EB'	0.00'	526644.691	826370.917	

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	PAVING DETAILS	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0212_PD.DWG
LAYOUT NAME - PD-SHEET102
PLOT DATE : 4/30/2019 12:42 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

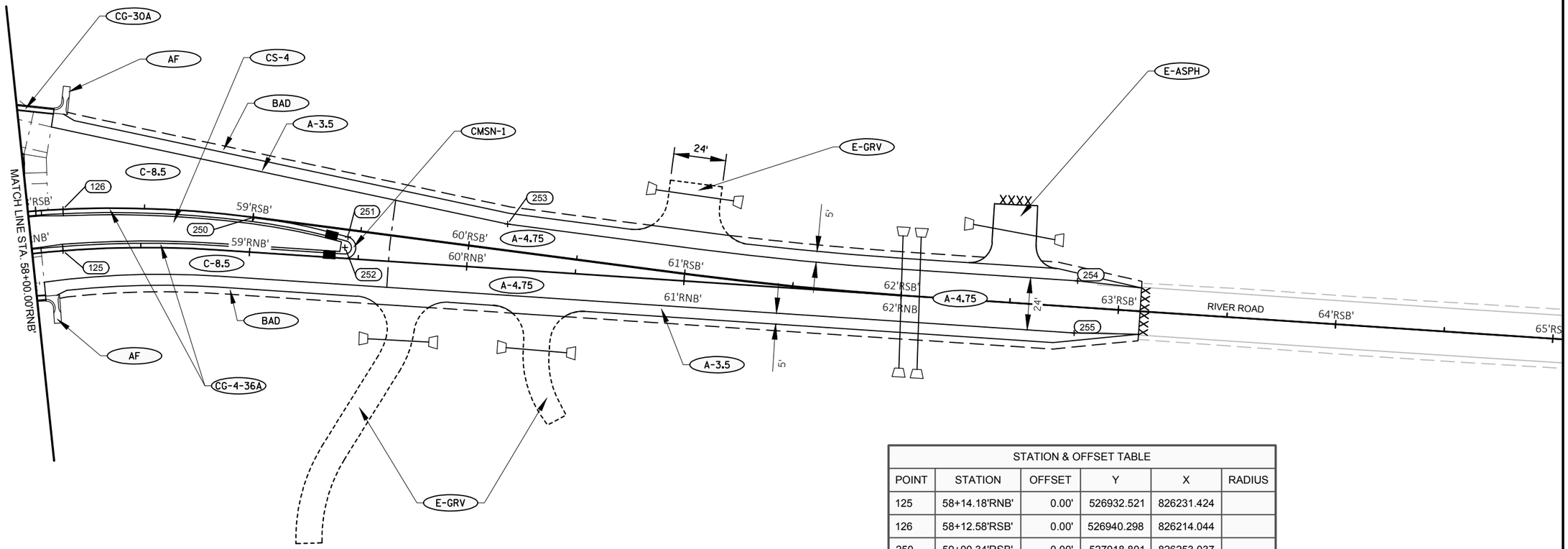
2



STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y	X	RADIUS
114	30+04.39'CSE'	5.00' RT	526558.565	826080.710	3' FACE
244	53+03.09'RSB'	5.00' RT	526476.067	826007.354	5' FACE
245	53+02.71'RNB'	2.03' LT	526473.116	826011.390	
246	53+50.29'RNB'	0.00'	526513.642	826036.350	
249	51+30.79'RNB'	12.00' RT	526317.123	825937.767	
256	50+00.58'RNB'	12.00' LT	526216.260	825852.002	
257	50+00.58'RNB'	12.00' RT	526204.285	825872.801	

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	PAVING DETAILS - RIVER ROAD	SHEET	E

2



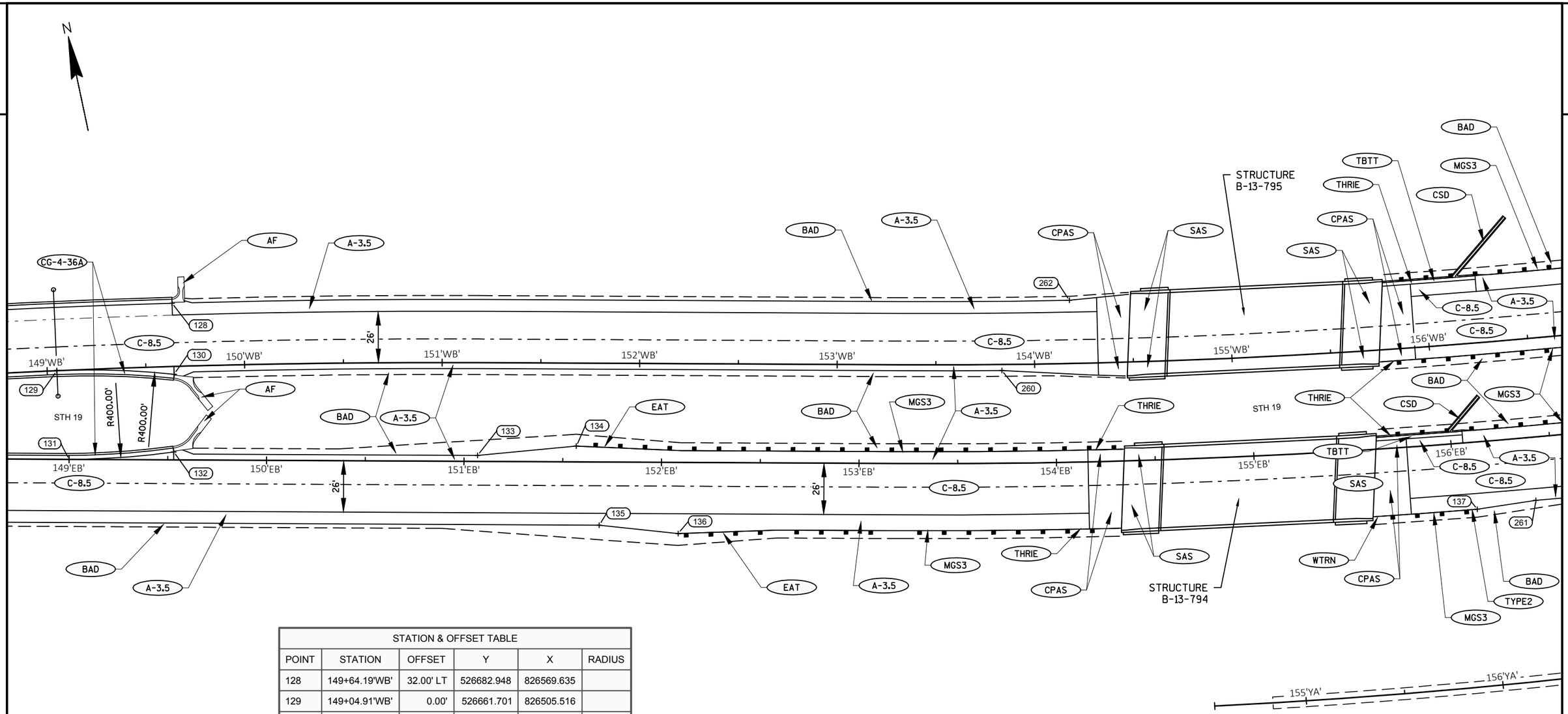
STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y	X	RADIUS
125	58+14.18'RNB'	0.00'	526932.521	826231.424	
126	58+12.58'RSB'	0.00'	526940.298	826214.044	
250	59+00.34'RSB'	0.00'	527018.801	826253.037	
251	59+44.63'RNB'	9.89' LT	527054.701	826278.878	
252	59+43.57'RNB'	5.00' LT	527051.489	826282.710	5' FACE
253	60+16.44'RSB'	12.00' LT	527124.107	826303.357	
254	62+80.40'RNB'	12.00' LT	527352.695	826433.618	
255	62+80.40'RNB'	12.00' RT	527341.501	826454.848	

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	PAVING DETAILS - RIVER ROAD	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0212_PD.DWG
LAYOUT NAME - PD-SHEET104

PLOT DATE : 4/30/2019 12:42 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:50 FT

2



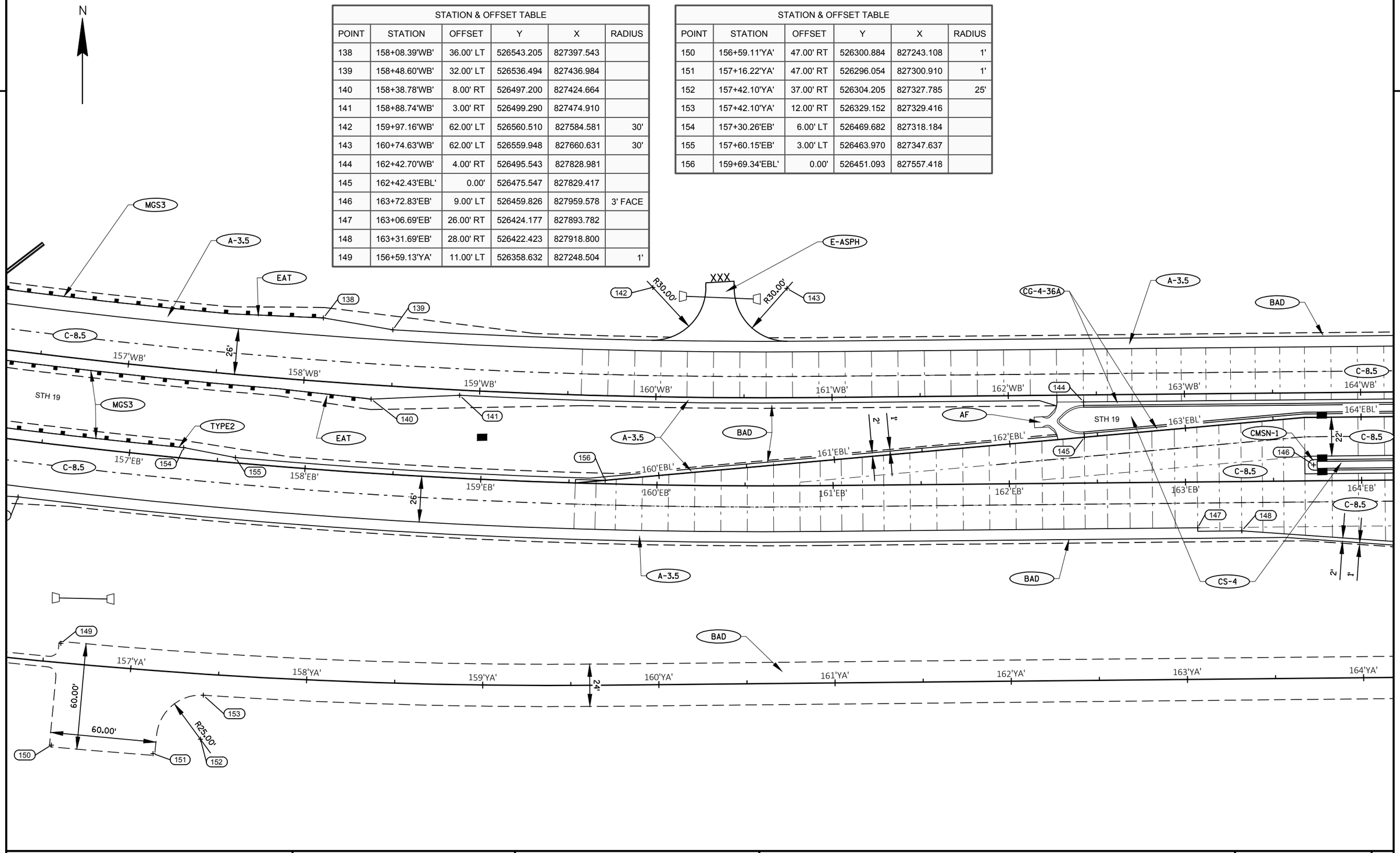
STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y	X	RADIUS
128	149+64.19'WB'	32.00' LT	526682.948	826569.635	
129	149+04.91'WB'	0.00'	526661.701	826505.516	
130	149+64.19'WB'	4.02' RT	526647.513	826563.182	
131	149+00.00'EB'	0.00'	526616.463	826502.141	
132	149+53.03'EB'	4.00' LT	526609.084	826554.812	
133	151+06.85'EB'	3.00' LT	526575.370	826704.891	
134	151+56.86'EB'	8.00' LT	526569.613	826754.815	
135	151+68.62'EB'	32.00' RT	526528.025	826757.797	
136	152+08.62'EB'	36.00' RT	526515.604	826796.028	
137	156+10.67'EB'	34.00' RT	526443.489	827194.370	
260	153+83.38'WB'	3.00' RT	526562.290	826973.513	
261	156+40.33'EB'	32.00' RT	526441.705	827224.327	
262	154+18.27'WB'	32.00' LT	526589.929	827014.350	

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	PAVING DETAILS	SHEET	E

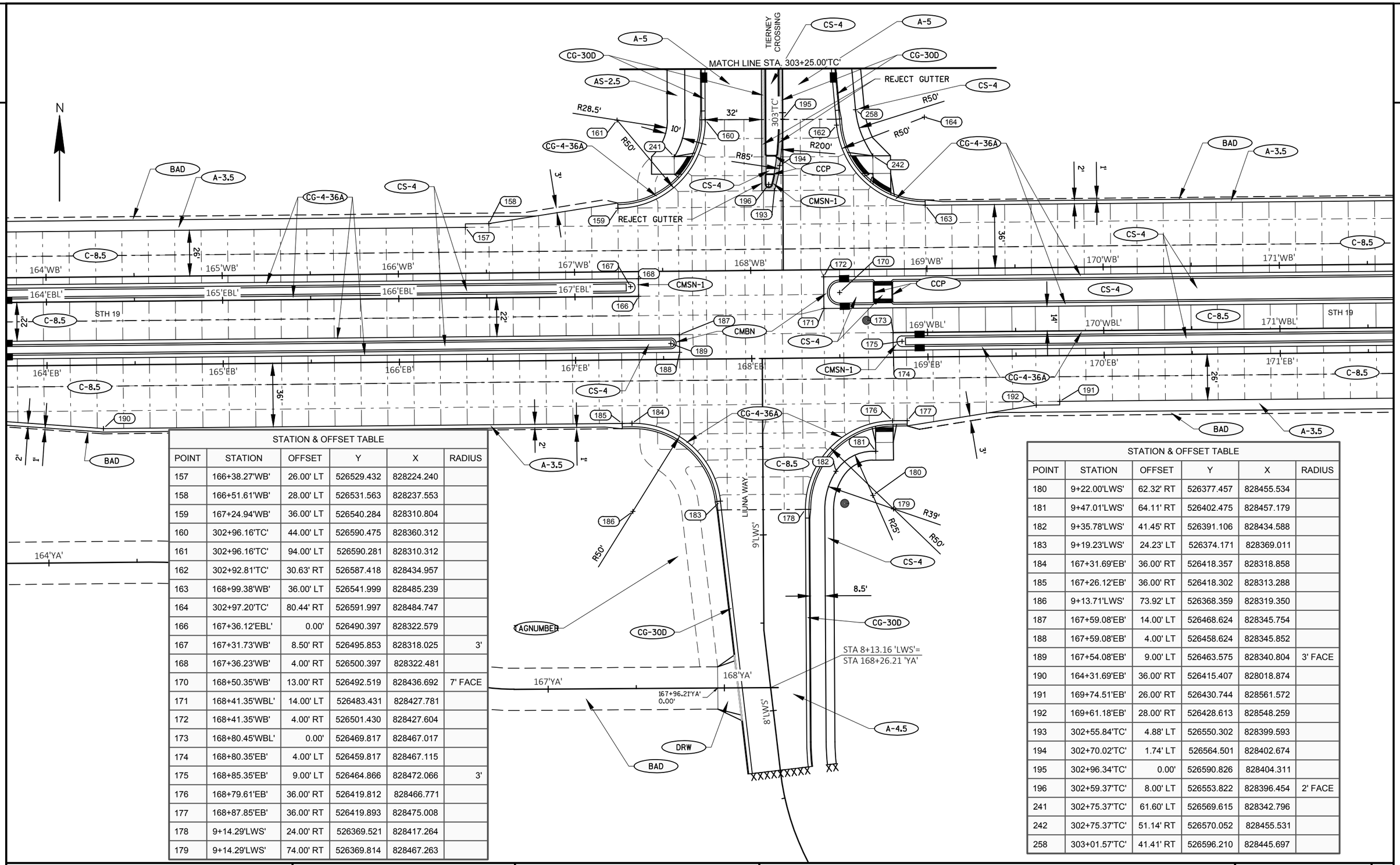
2

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y	X	RADIUS
138	158+08.39'WB'	36.00' LT	526543.205	827397.543	
139	158+48.60'WB'	32.00' LT	526536.494	827436.984	
140	158+38.78'WB'	8.00' RT	526497.200	827424.664	
141	158+88.74'WB'	3.00' RT	526499.290	827474.910	
142	159+97.16'WB'	62.00' LT	526560.510	827584.581	30'
143	160+74.63'WB'	62.00' LT	526559.948	827660.631	30'
144	162+42.70'WB'	4.00' RT	526495.543	827828.981	
145	162+42.43'EBL'	0.00'	526475.547	827829.417	
146	163+72.83'EB'	9.00' LT	526459.826	827959.578	3' FACE
147	163+06.69'EB'	26.00' RT	526424.177	827893.782	
148	163+31.69'EB'	28.00' RT	526422.423	827918.800	
149	156+59.13'YA'	11.00' LT	526358.632	827248.504	1'

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y	X	RADIUS
150	156+59.11'YA'	47.00' RT	526300.884	827243.108	1'
151	157+16.22'YA'	47.00' RT	526296.054	827300.910	1'
152	157+42.10'YA'	37.00' RT	526304.205	827327.785	25'
153	157+42.10'YA'	12.00' RT	526329.152	827329.416	
154	157+30.26'EB'	6.00' LT	526469.682	827318.184	
155	157+60.15'EB'	3.00' LT	526463.970	827347.637	
156	159+69.34'EBL'	0.00'	526451.093	827557.418	



PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	PAVING DETAILS	SHEET	E

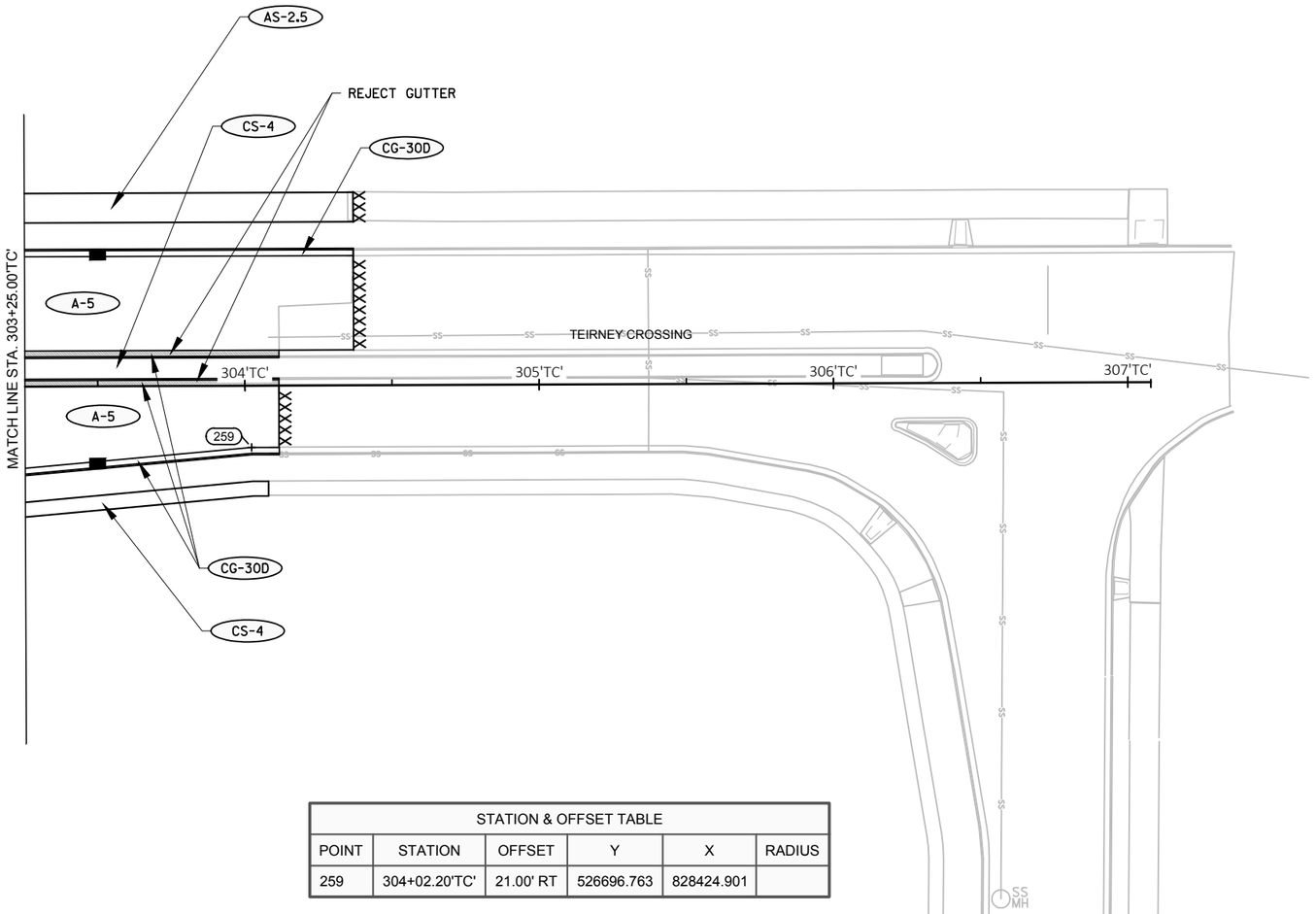


STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y	X	RADIUS
157	166+38.27'WB'	26.00' LT	526529.432	828224.240	
158	166+51.61'WB'	28.00' LT	526531.563	828237.553	
159	167+24.94'WB'	36.00' LT	526540.284	828310.804	
160	302+96.16'TC'	44.00' LT	526590.475	828360.312	
161	302+96.16'TC'	94.00' LT	526590.281	828310.312	
162	302+92.81'TC'	30.63' RT	526587.418	828434.957	
163	168+99.38'WB'	36.00' LT	526541.999	828485.239	
164	302+97.20'TC'	80.44' RT	526591.997	828484.747	
166	167+36.12'EBL'	0.00'	526490.397	828322.579	
167	167+31.73'WB'	8.50' RT	526495.853	828318.025	3'
168	167+36.23'WB'	4.00' RT	526500.397	828322.481	
170	168+50.35'WB'	13.00' RT	526492.519	828436.692	7' FACE
171	168+41.35'WBL'	14.00' LT	526483.431	828427.781	
172	168+41.35'WB'	4.00' RT	526501.430	828427.604	
173	168+80.45'WBL'	0.00'	526469.817	828467.017	
174	168+80.35'EB'	4.00' LT	526459.817	828467.115	
175	168+85.35'EB'	9.00' LT	526464.866	828472.066	3'
176	168+79.61'EB'	36.00' RT	526419.812	828466.771	
177	168+87.85'EB'	36.00' RT	526419.893	828475.008	
178	9+14.29'LWS'	24.00' RT	526369.521	828417.264	
179	9+14.29'LWS'	74.00' RT	526369.814	828467.263	

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y	X	RADIUS
180	9+22.00'LWS'	62.32' RT	526377.457	828455.534	
181	9+47.01'LWS'	64.11' RT	526402.475	828457.179	
182	9+35.78'LWS'	41.45' RT	526391.106	828434.588	
183	9+19.23'LWS'	24.23' LT	526374.171	828369.011	
184	167+31.69'EB'	36.00' RT	526418.357	828318.858	
185	167+26.12'EB'	36.00' RT	526418.302	828313.288	
186	9+13.71'LWS'	73.92' LT	526368.359	828319.350	
187	167+59.08'EB'	14.00' LT	526468.624	828345.754	
188	167+59.08'EB'	4.00' LT	526458.624	828345.852	
189	167+54.08'EB'	9.00' LT	526463.575	828340.804	3' FACE
190	164+31.69'EB'	36.00' RT	526415.407	828018.874	
191	169+74.51'EB'	26.00' RT	526430.744	828561.572	
192	169+61.18'EB'	28.00' RT	526428.613	828548.259	
193	302+55.84'TC'	4.88' LT	526550.302	828399.593	
194	302+70.02'TC'	1.74' LT	526564.501	828402.674	
195	302+96.34'TC'	0.00'	526590.826	828404.311	
196	302+59.37'TC'	8.00' LT	526553.822	828396.454	2' FACE
241	302+75.37'TC'	61.60' LT	526569.615	828342.796	
242	302+75.37'TC'	51.14' RT	526570.052	828455.531	
258	303+01.57'TC'	41.41' RT	526596.210	828445.697	

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	PAVING DETAILS	SHEET	E

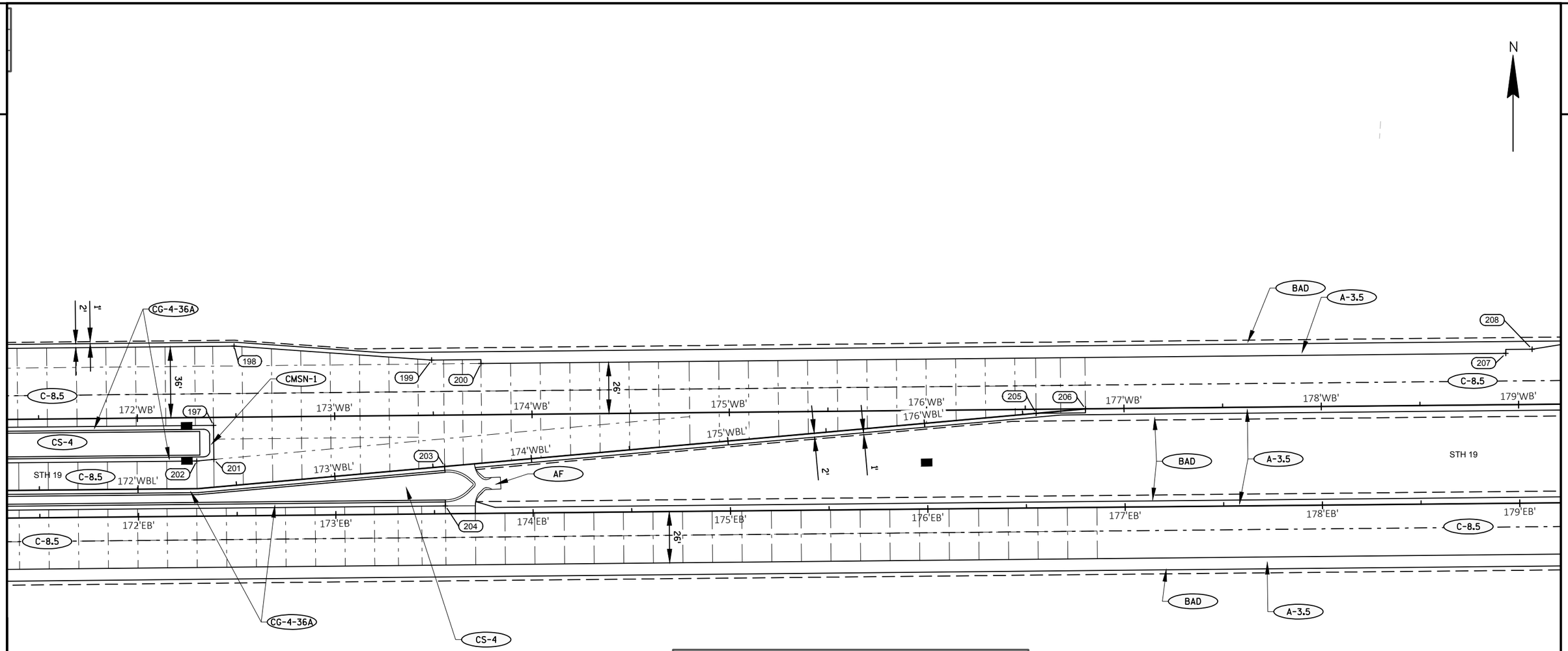
2



STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y	X	RADIUS
259	304+02.20'TC'	21.00' RT	526696.763	828424.901	

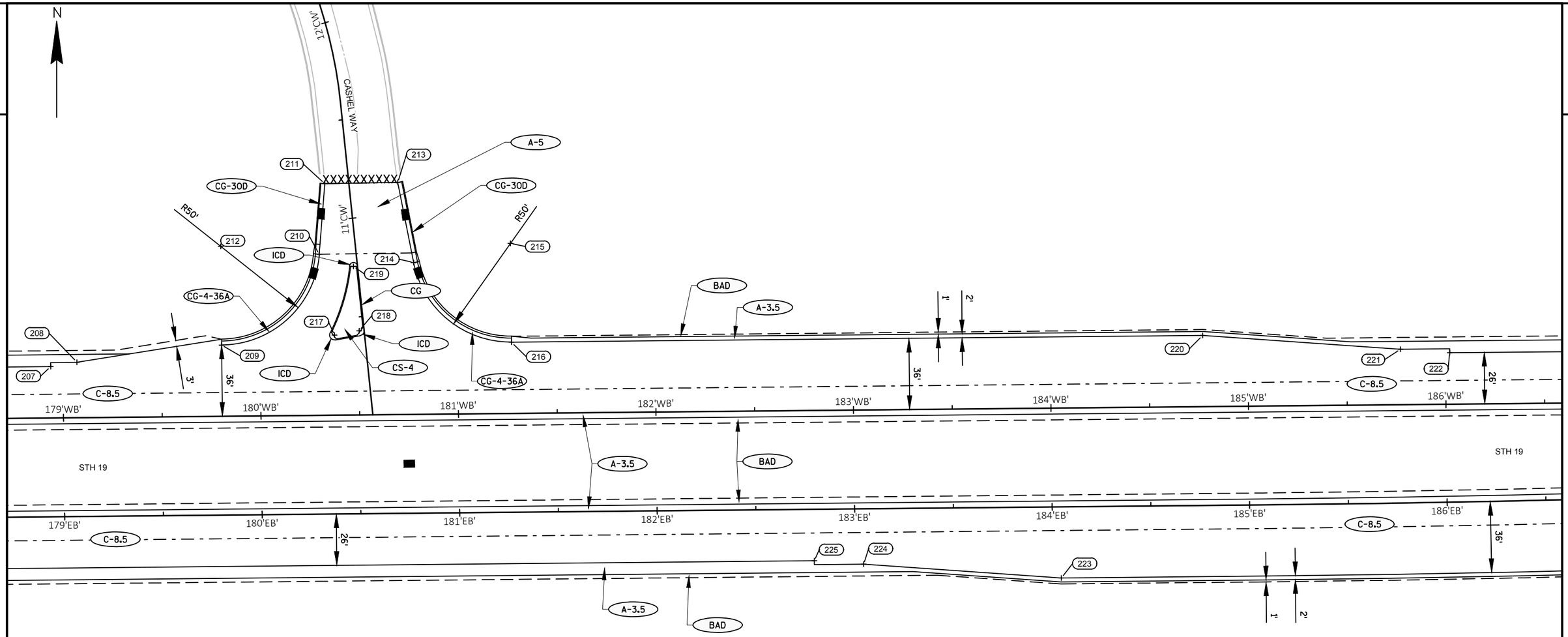
PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	PAVING DETAILS TIERNEY CROSSING	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0212_PD.DWG
LAYOUT NAME - PD-SHEET108
PLOT DATE : 4/30/2019 12:43 PM
PLOT BY : KRUEGER, KIRK
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42



STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y	X	RADIUS
197	172+38.54'WB'	4.00' RT	526505.336	828824.766	
198	172+49.38'WB'	36.00' LT	526545.441	828835.222	
199	173+49.38'WB'	28.00' LT	526538.425	828935.296	
200	173+74.38'WB'	26.00' LT	526536.671	828960.314	
201	172+39.68'WBL'	14.00' LT	526488.028	828824.937	
202	172+31.01'WBL'	14.00' LT	526487.252	828816.303	
203	173+55.85'WBL'	0.00'	526484.487	828941.896	
204	173+55.59'EB'	4.00' LT	526464.490	828942.332	
205	176+56.81'WBL'	0.00'	526511.436	829241.647	
206	176+80.46'WB'	0.00'	526513.682	829266.626	
207	178+93.77'WB'	26.00' LT	526541.778	829479.678	
208	179+07.11'WB'	28.00' LT	526543.909	829492.991	

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	PAVING DETAILS	SHEET	E

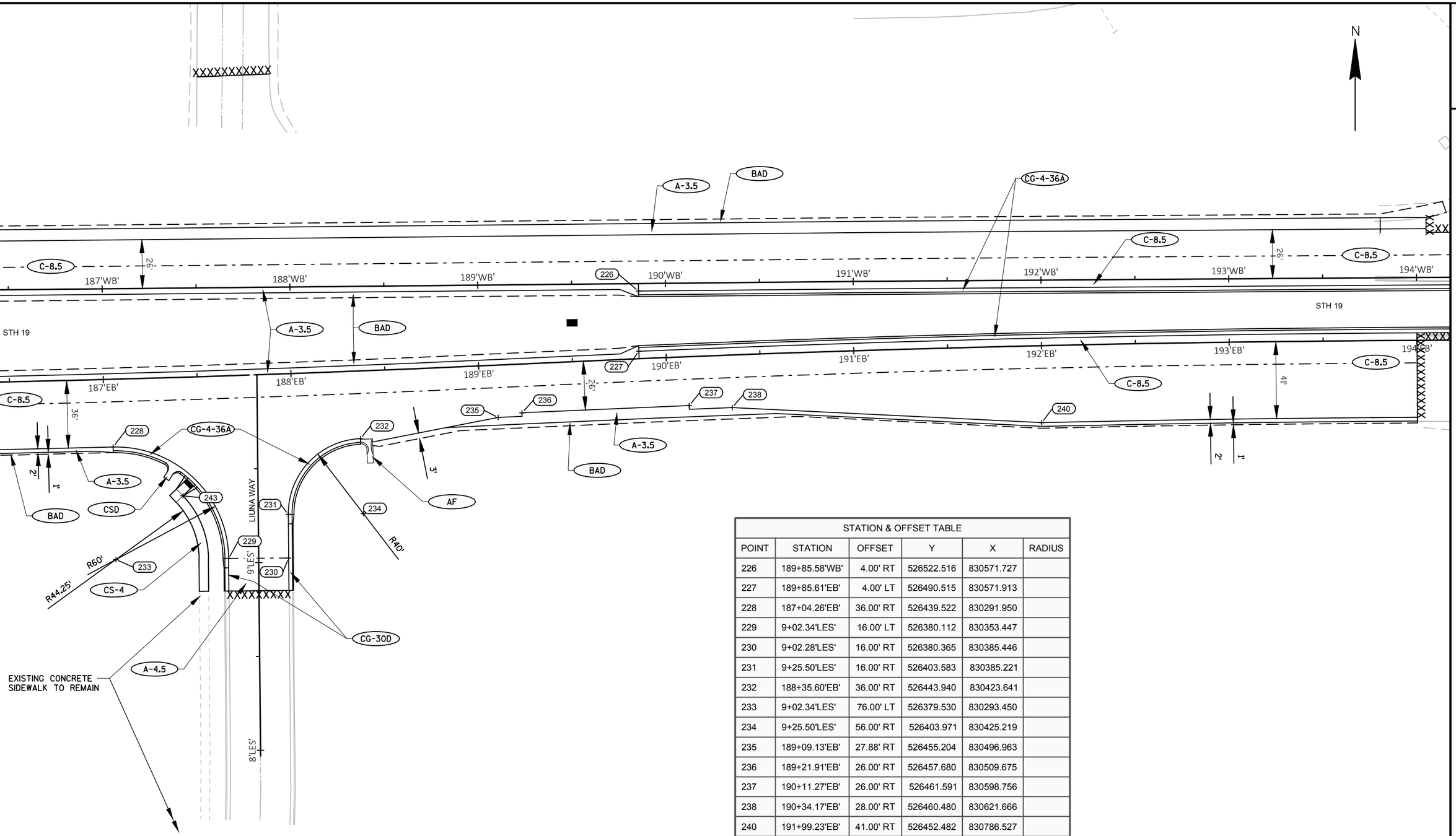


STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y	X	RADIUS
207	178+93.77'WB'	26.00' LT	526541.778	829479.678	
208	179+07.11'WB'	28.00' LT	526543.909	829492.991	
209	179+80.44'WB'	36.00' LT	526552.630	829566.242	
210	10+83.56'CW'	18.68' LT	526598.576	829615.586	
211	11+18.80'CW'	12.11' LT	526634.300	829618.490	
212	10+92.72'CW'	67.83' LT	526602.628	829565.750	
213	11+15.61'CW'	24.68' RT	526634.920	829655.410	
214	10+74.46'CW'	28.47' RT	526594.379	829663.420	
215	10+79.05'CW'	78.26' RT	526604.071	829712.472	
216	181+27.17'WB'	36.00' LT	526554.073	829712.964	

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y	X	RADIUS
217	10+42.09'CW'	15.11' LT	526557.692	829623.402	2.5'
218	10+42.92'CW'	2.50' LT	526559.815	829635.864	2.5'
219	10+75.69'CW'	2.00' LT	526592.464	829632.986	2'
220	184+77.17'WB'	36.00' LT	526557.515	830062.947	
221	185+77.17'WB'	28.00' LT	526550.499	830163.021	
222	186+02.17'WB'	26.00' LT	526548.745	830188.039	
223	184+04.26'EB'	36.00' RT	526434.805	829991.349	
224	183+04.26'EB'	28.00' RT	526441.821	829891.275	
225	182+79.26'EB'	26.00' RT	526443.575	829866.257	

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	PAVING DETAILS	SHEET	E

2



STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y	X	RADIUS
226	189+85.58'WB'	4.00' RT	526522.516	830571.727	
227	189+85.61'EB'	4.00' LT	526490.515	830571.913	
228	187+04.26'EB'	36.00' RT	526439.522	830291.950	
229	9+02.34'LES'	16.00' LT	526380.112	830353.447	
230	9+02.28'LES'	16.00' RT	526380.365	830385.446	
231	9+25.50'LES'	16.00' RT	526403.583	830385.221	
232	188+35.60'EB'	36.00' RT	526443.940	830423.641	
233	9+02.34'LES'	76.00' LT	526379.530	830293.450	
234	9+25.50'LES'	56.00' RT	526403.971	830425.219	
235	189+09.13'EB'	27.88' RT	526455.204	830496.963	
236	189+21.91'EB'	26.00' RT	526457.680	830509.675	
237	190+11.27'EB'	26.00' RT	526461.591	830598.756	
238	190+34.17'EB'	28.00' RT	526460.480	830621.666	
240	191+99.23'EB'	41.00' RT	526452.482	830786.527	
243	9+35.93'LES'	39.98' LT	526413.465	830329.143	

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	PAVING DETAILS	SHEET	E

2

N

IH 39/90/94

BAD
A-3.5
DOWEL
TIE
C-8.5
DOWEL
TIE
194'WB'
195'WB'
196'WB'
197'WB'
198'WB'
199'WB'
STH 19
C-8.5
CG-4-36A
STH 19
194'EB'
TIE
DOWEL
C-8.5
CG-4-36A
195'EB'
196'EB'
197'EB'
198'EB'
199'EB'
A-3.5
BAD

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	PAVING DETAILS	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0212_PD.DWG
LAYOUT NAME - PD-SHEET112
PLOT DATE : 4/30/2019 12:43 PM
PLOT BY : KRUEGER, KIRK
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

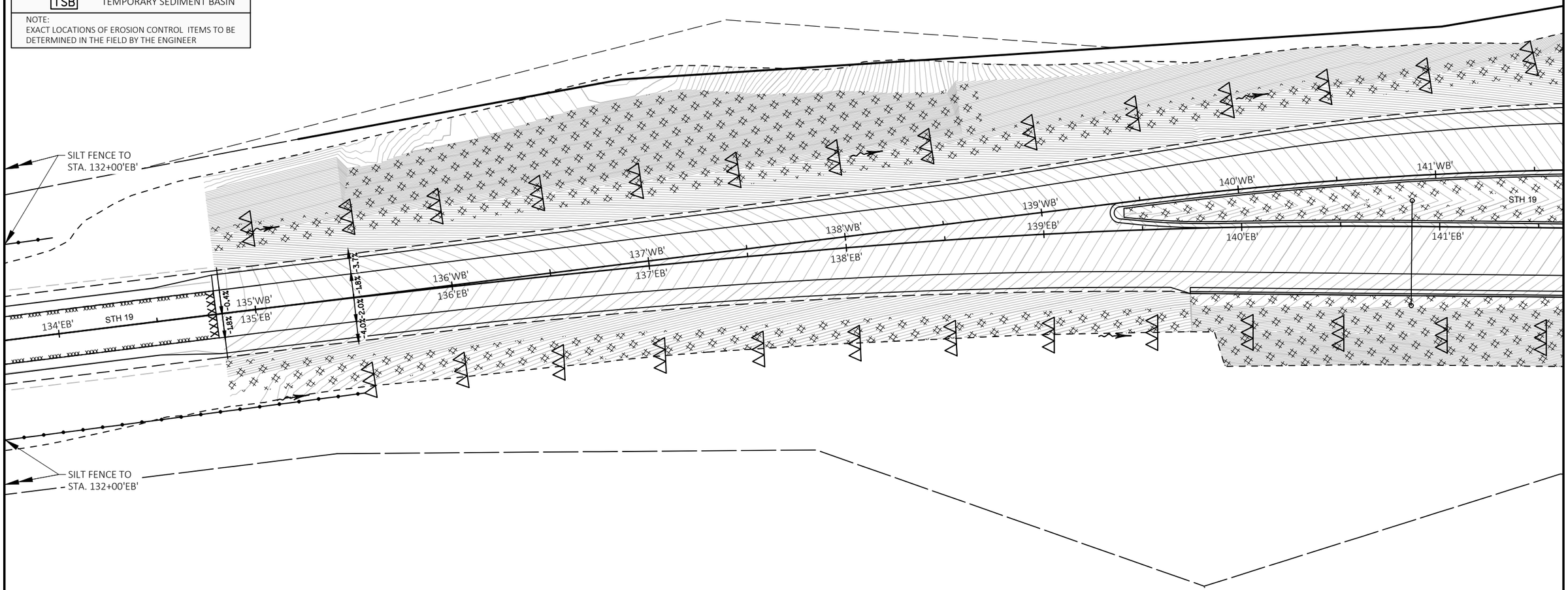
2

LEGEND

- SLOPE INTERCEPT
- SURFACE WATER FLOW
- SILT FENCE
- TEMPORARY DITCH CHECK
- INLET PROTECTION (TYPE A,C, or D)
- EROSION MAT CLASS I, TYPE B
- CULVERT PIPE DITCH CHECK
- STONE OR ROCK DITCH CHECK
- SFR — SILT FENCE RELIEF
- SL — SOD LAWN (SEE SDD "CONCRETE SURFACE DRAIN AND ASPHALTIC FLUMES)
- SEC — SOD EROSION CONTROL
- TSB — TEMPORARY SEDIMENT BASIN

NOTE:
EXACT LOCATIONS OF EROSION CONTROL ITEMS TO BE DETERMINED IN THE FIELD BY THE ENGINEER

N



2

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	DRAINAGE & EROSION CONTROL	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0220_DR.DWG
LAYOUT NAME - EC-SHEET01

PLOT DATE : 4/30/2019 12:56 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

N

LEGEND

- SLOPE INTERCEPT
- SURFACE WATER FLOW
- SILT FENCE
- TEMPORARY DITCH CHECK
- INLET PROTECTION (TYPE A,C, or D)
- EROSION MAT CLASS I, TYPE B
- CULVERT PIPE DITCH CHECK
- STONE OR ROCK DITCH CHECK
- SFR — SILT FENCE RELIEF
- SL — SOD LAWN (SEE SDD "CONCRETE SURFACE DRAIN AND ASPHALTIC FLUMES)
- SEC — SOD EROSION CONTROL
- TSB — TEMPORARY SEDIMENT BASIN

NOTE:
EXACT LOCATIONS OF EROSION CONTROL ITEMS TO BE DETERMINED IN THE FIELD BY THE ENGINEER

TSB

A&C

A&C

58'RSB'

58'RNB'

RIVER ROAD

SL

SEC

57'RSB'

57'RNB'

A&C

144'WB'

142'WB'

143'WB'

STH 19

141'EB'

142'EB'

143'EB'

A&C

EB'

A&C

A&D

A&D

A&D

146'EB'

147'WB'

148'WB'

149'WB'

147'EB'

148'EB'

149'EB'

-2.0%

-2.0%

-2.0%

147+68.00

UNILATERAL SLOPE

-4.0%

-2.0%

-2.0%

-4.0%

148+74.00

NORMAL CROWN

147+98.92

UNILATERAL SLOPE

-4.0%

-2.0%

-2.0%

149+06.00

NORMAL CROWN

RIPRAP LIGHT & GEOTEXTILE FABRIC TYPE R

TSB

DURING SUBSTAGES 1E AND 2A, APPLY EROSION MAT CLASS II TYPE B TO CUT BACKSLOPE BETWEEN STA. 292+75'TEB2' AND STA. 243+75'TEB2' RT

55'RSB'

55'RNB'

A&C

A&C

54'RSB'

54'RNB'

SL

SL

SL

RIVER ROAD

RIPRAP LIGHT & GEOTEXTILE FABRIC TYPE R

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	DRAINAGE & EROSION CONTROL	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0220_DR.DWG
LAYOUT NAME - EC-SHEET02

PLOT DATE : 4/30/2019 12:56 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

- SLOPE INTERCEPT
- SURFACE WATER FLOW
- SILT FENCE
- TEMPORARY DITCH CHECK
- INLET PROTECTION (TYPE A,C, or D)
- EROSION MAT CLASS I, TYPE B
- CULVERT PIPE DITCH CHECK
- STONE OR ROCK DITCH CHECK
- SFR — SILT FENCE RELIEF
- SL — SOD LAWN (SEE SDD "CONCRETE SURFACE DRAIN AND ASPHALTIC FLUMES)
- SEC — SOD EROSION CONTROL
- TSB — TEMPORARY SEDIMENT BASIN

NOTE:
EXACT LOCATIONS OF EROSION CONTROL ITEMS TO BE DETERMINED IN THE FIELD BY THE ENGINEER

N

YAHARA

TURBIDITY BARRIER

FLUME PER SDD "CONCRETE SURFACE DRAINS FLUME TYPE AT STRUCTURES"

RIPRAP LIGHT & GEOTEXTILE FABRIC TYPE R

SL

STH 19

149'WB' 150'WB' 151'WB' 152'WB' 153'WB' 154'WB' 155'WB'

151+45.17 NORMAL CROWN

152+25.17 LEVEL CROWN

153+05.17 REVERSE CROWN

153+85.17 FULL SUPER

149+06.00 NORMAL CROWN

149'EB' 150'EB' 151'EB' 152'EB' 153'EB' 154'EB' 156'EB'

151+93.85 NORMAL CROWN

152+13.85 LEVEL CROWN

153+93.85 REVERSE CROWN

153+73.85 FULL SUPER

RIVER

RIPRAP LIGHT & GEOTEXTILE FABRIC TYPE R

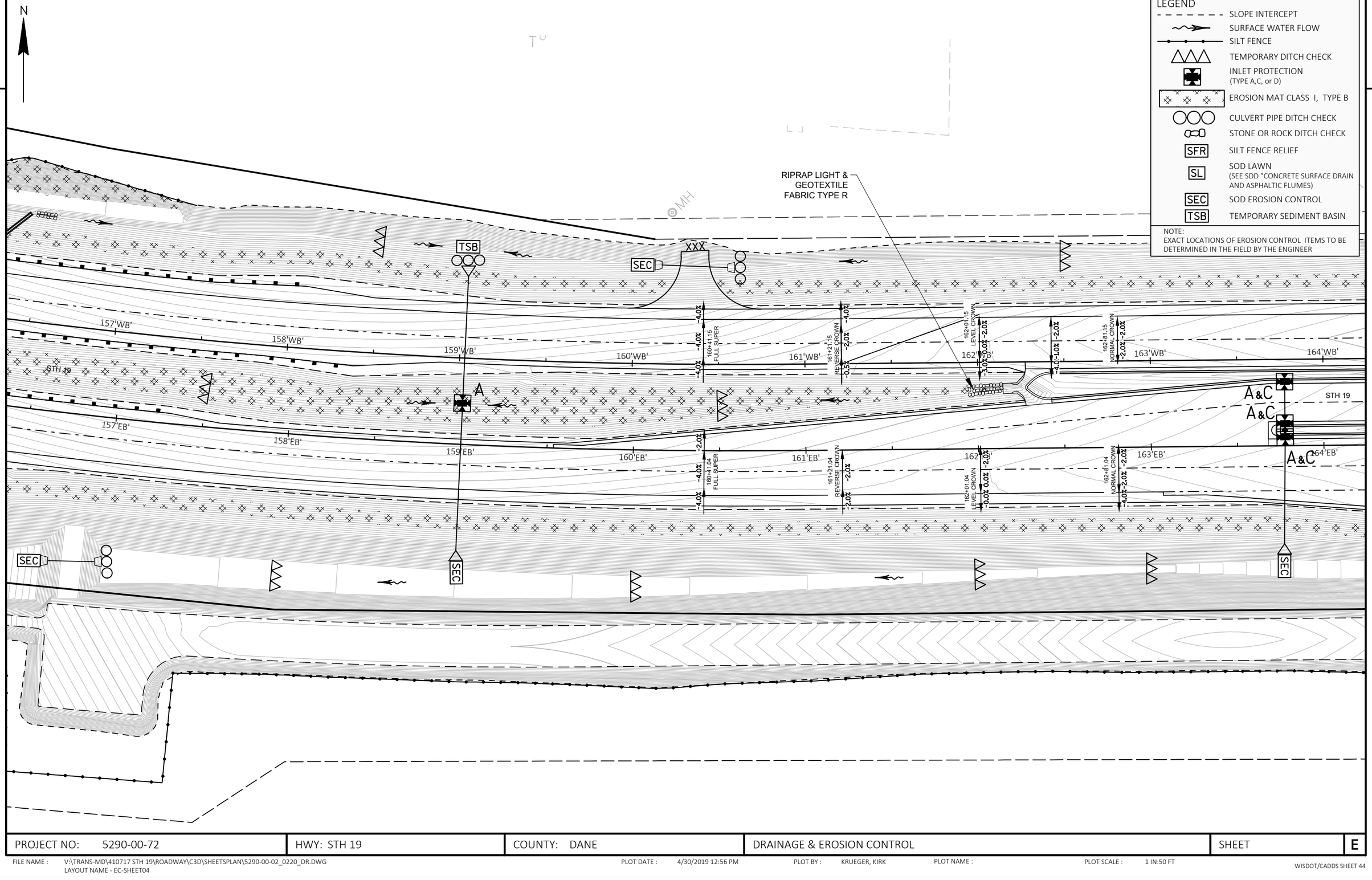
RIPRAP MEDIUM & GEOTEXTILE FABRIC TYPE HR

RIPRAP HEAVY & GEOTEXTILE FABRIC TYPE HR (SEE STRUCTURE PLANS)

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	DRAINAGE & EROSION CONTROL	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0220_DR.DWG
LAYOUT NAME - EC-SHEET03

PLOT DATE : 4/30/2019 12:56 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:50 FT



PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	DRAINAGE & EROSION CONTROL	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0220_DR.DWG
LAYOUT NAME - EC-SHEET04

PLOT DATE : 4/30/2019 12:56 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

LEGEND

- SLOPE INTERCEPT
- SURFACE WATER FLOW
- SILT FENCE
- TEMPORARY DITCH CHECK
- INLET PROTECTION (TYPE A,C, or D)
- EROSION MAT CLASS I, TYPE B
- CULVERT PIPE DITCH CHECK
- STONE OR ROCK DITCH CHECK
- SFR — SILT FENCE RELIEF
- SL — SOD LAWN (SEE SDD "CONCRETE SURFACE DRAIN AND ASPHALTIC FLUMES)
- SEC — SOD EROSION CONTROL
- TSB — TEMPORARY SEDIMENT BASIN

NOTE:
EXACT LOCATIONS OF EROSION CONTROL ITEMS TO BE DETERMINED IN THE FIELD BY THE ENGINEER

N

XXXXX

304'TC'

303'TC'

TIERNEY CROSSING

A&D

A&C

SEC

TSB

164'WB' 165'WB' 166'WB' 167'WB' 168'WB' 169'WB' 170'WB' 171'WB'

STH 19

164'EB' 165'EB' 166'EB' 167'EB' 168'EB' 169'EB' 170'EB' 171'EB'

STH 19

TSB

TSB

9'LWS'

LIUNA WAY

8'LWS'

2

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	DRAINAGE & EROSION CONTROL	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0220_DR.DWG
LAYOUT NAME - EC-SHEET05

PLOT DATE : 4/30/2019 12:56 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

LEGEND

- SLOPE INTERCEPT
- SURFACE WATER FLOW
- SILT FENCE
- TEMPORARY DITCH CHECK
- INLET PROTECTION (TYPE A,C, or D)
- EROSION MAT CLASS I, TYPE B
- CULVERT PIPE DITCH CHECK
- STONE OR ROCK DITCH CHECK
- SFR — SILT FENCE RELIEF
- SL — SOD LAWN (SEE SDD "CONCRETE SURFACE DRAIN AND ASPHALTIC FLUMES)
- SEC — SOD EROSION CONTROL
- TSB — TEMPORARY SEDIMENT BASIN

NOTE:
EXACT LOCATIONS OF EROSION CONTROL ITEMS TO BE DETERMINED IN THE FIELD BY THE ENGINEER

N

RIPRAP LIGHT & GEOTEXTILE FABRIC TYPE R

172'WB' 173'WB' 174'WB' 175'WB' 176'WB' 177'WB' 178'WB' 179'WB'

A&C

STH 19

A&C

A

STH 19

172'EB' 173'EB' 174'EB' 175'EB' 176'EB' 177'EB' 178'EB' 179'EB'

SEC

RIPRAP LIGHT & GEOTEXTILE FABRIC TYPE R

2

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	DRAINAGE & EROSION CONTROL	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0220_DR.DWG
LAYOUT NAME - EC-SHEET06

PLOT DATE : 4/30/2019 12:56 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

N

CASHEL WAY

12'CW'

11'CW'

RIPRAP LIGHT & GEOTEXTILE FABRIC TYPE R

A&D

A&D

A&D

A&D

TSB

A

SEC

STH 19

STH 19

179'WB' 180'WB' 181'WB' 182'WB' 183'WB' 184'WB' 185'WB' 186'WB'

179'EB' 180'EB' 181'EB' 182'EB' 183'EB' 184'EB' 185'EB' 186'EB'

LEGEND

- SLOPE INTERCEPT
- SURFACE WATER FLOW
- SILT FENCE
- TEMPORARY DITCH CHECK
- INLET PROTECTION (TYPE A,C, or D)
- EROSION MAT CLASS I, TYPE B
- CULVERT PIPE DITCH CHECK
- STONE OR ROCK DITCH CHECK
- SFR — SILT FENCE RELIEF
- SL — SOD LAWN (SEE SDD "CONCRETE SURFACE DRAIN AND ASPHALTIC FLUMES)
- SEC — SOD EROSION CONTROL
- TSB — TEMPORARY SEDIMENT BASIN

NOTE:
EXACT LOCATIONS OF EROSION CONTROL ITEMS TO BE DETERMINED IN THE FIELD BY THE ENGINEER

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	DRAINAGE & EROSION CONTROL	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0220_DR.DWG
LAYOUT NAME - EC-SHEET07

PLOT DATE : 4/30/2019 12:56 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44

2

2

N

187'WB'
188'WB'
189'WB'
190'WB'
191'WB'
192'WB'
193'WB'
194'

STH 19

A

187'EB'
188'EB'
189'EB'
190'EB'
191'EB'
192'EB'
193'EB'
194'

STH 19

SL

TS

SEC

9+00'LES'

8+00'LES'

LIUNA WAY

WV

SAN MH

ETBAN

LEGEND

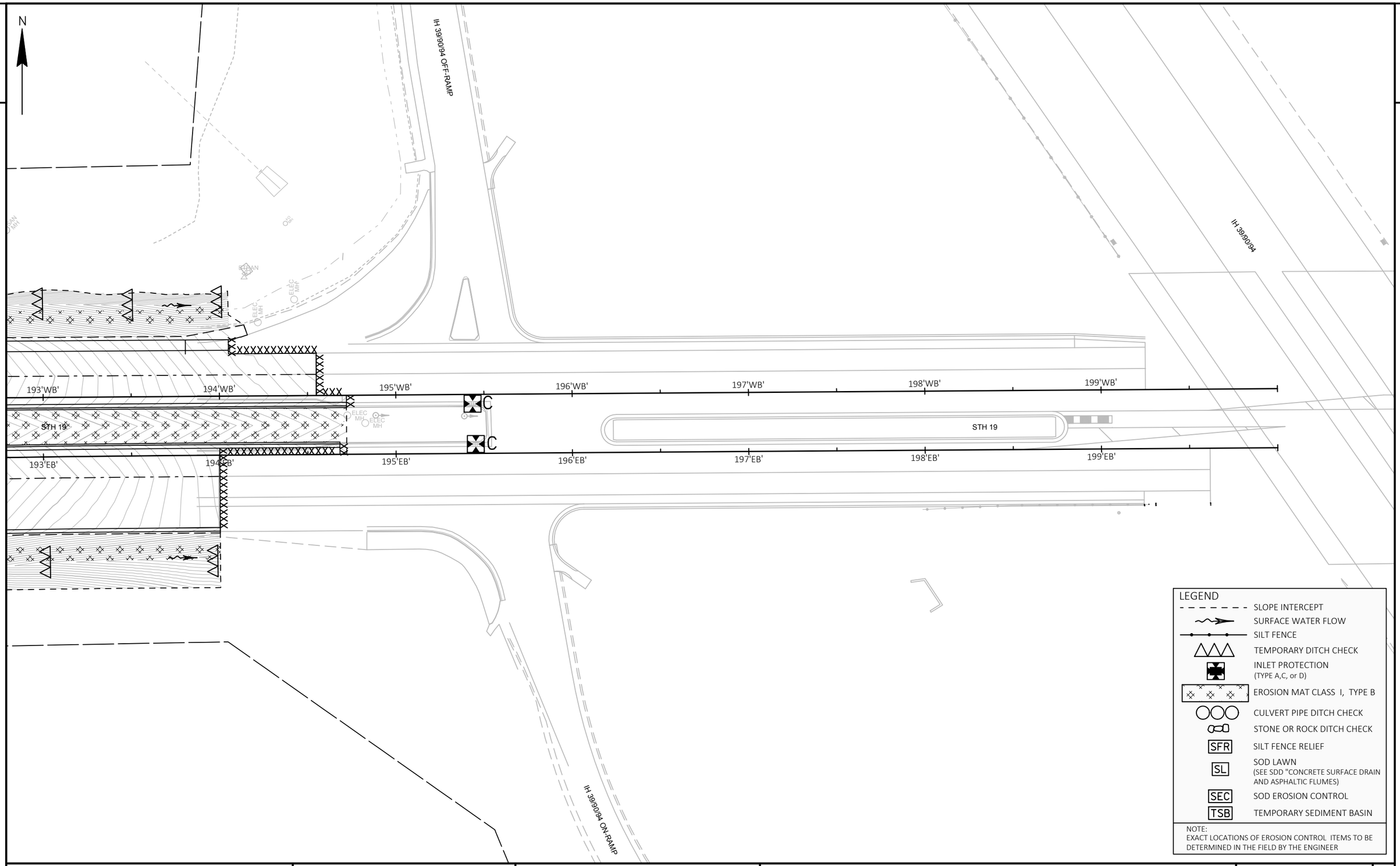
- SLOPE INTERCEPT
- SURFACE WATER FLOW
- SILT FENCE
- TEMPORARY DITCH CHECK
- INLET PROTECTION (TYPE A,C, or D)
- EROSION MAT CLASS I, TYPE B
- CULVERT PIPE DITCH CHECK
- STONE OR ROCK DITCH CHECK
- SFR — SILT FENCE RELIEF
- SL — SOD LAWN (SEE SDD "CONCRETE SURFACE DRAIN AND ASPHALTIC FLUMES)
- SEC — SOD EROSION CONTROL
- TSB — TEMPORARY SEDIMENT BASIN

NOTE:
EXACT LOCATIONS OF EROSION CONTROL ITEMS TO BE DETERMINED IN THE FIELD BY THE ENGINEER

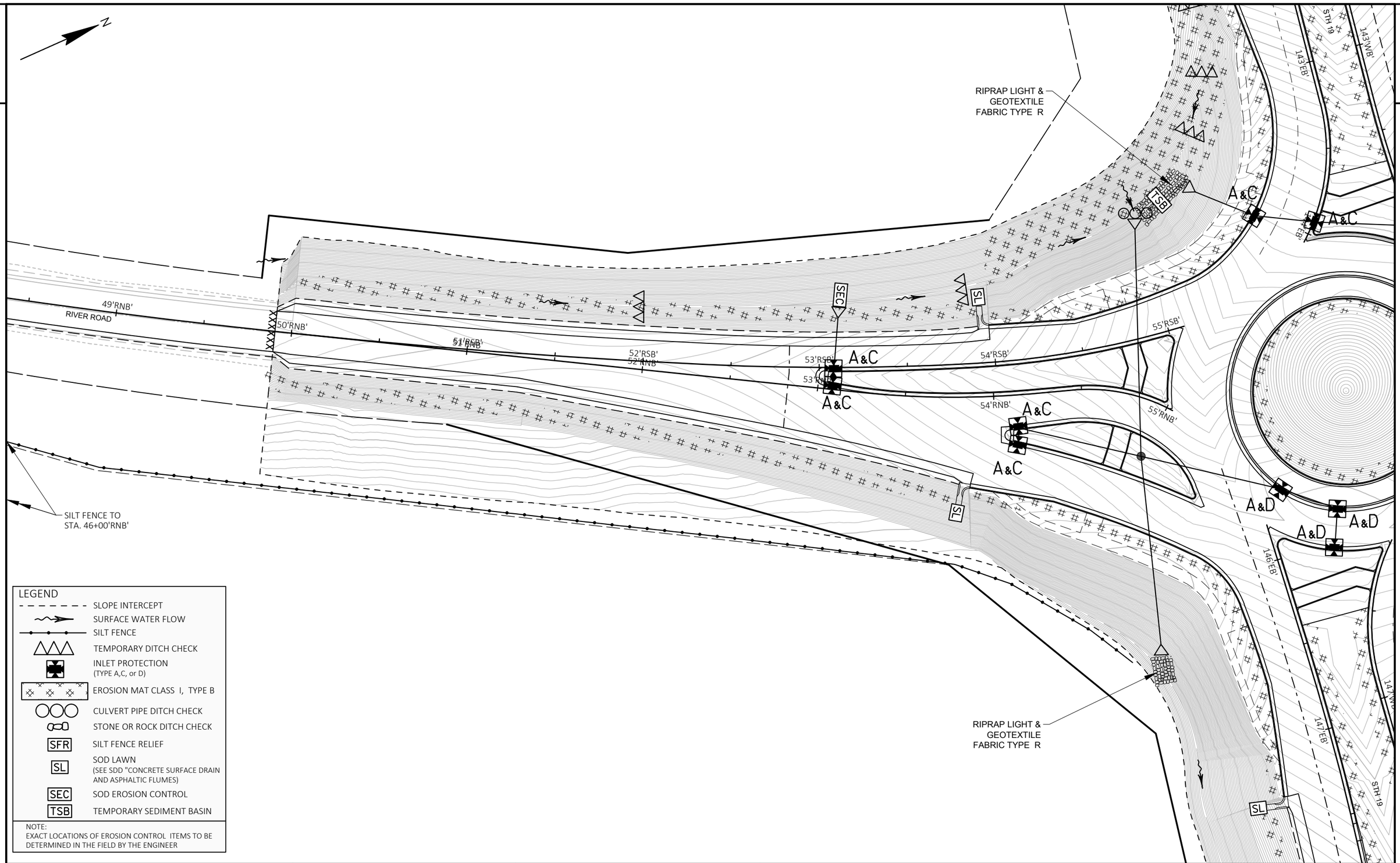
PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	DRAINAGE & EROSION CONTROL	SHEET E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0220_DR.DWG
LAYOUT NAME - EC-SHEET08

PLOT DATE : 4/30/2019 12:56 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:50 FT



PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	DRAINAGE & EROSION CONTROL	SHEET	E



PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	DRAINAGE & EROSION CONTROL	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0220_DR.DWG
LAYOUT NAME - EC-SHEET10

PLOT DATE : 4/30/2019 12:57 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

LEGEND

- SLOPE INTERCEPT
- SURFACE WATER FLOW
- SILT FENCE
- TEMPORARY DITCH CHECK
- INLET PROTECTION (TYPE A,C, or D)
- EROSION MAT CLASS I, TYPE B
- CULVERT PIPE DITCH CHECK
- STONE OR ROCK DITCH CHECK
- SFR — SILT FENCE RELIEF
- SL — SOD LAWN (SEE SDD "CONCRETE SURFACE DRAIN AND ASPHALTIC FLUMES)
- SEC — SOD EROSION CONTROL
- TSB — TEMPORARY SEDIMENT BASIN

NOTE:
EXACT LOCATIONS OF EROSION CONTROL ITEMS TO BE DETERMINED IN THE FIELD BY THE ENGINEER

N

TSB
SFR
SL
SEC
A&C
144'RNB'
57'RSB'
58'RSB'
59'RSB'
60'RSB'
61'RSB'
57'RNB'
58'RNB'
59'RNB'
60'RNB'
61'RNB'
62'RNB
63'RNB'
64'R
XXXX
RIVER ROAD
RIPRAP LIGHT & GEOTEXTILE FABRIC TYPE R
147'NB'
STH 19
-2.0%
-2.0%
-2.0%
147+66.00
UNILATERAL SLOPE

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	DRAINAGE & EROSION CONTROL	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0220_DR.DWG
LAYOUT NAME - EC-SHEET11
PLOT DATE : 4/30/2019 12:57 PM
PLOT BY : KRUEGER, KIRK
PLOT NAME :
PLOT SCALE : 1 IN:50 FT

2

2

N

STH 19

166'EB'

166'WB'

167'EB'

167'WB'

168'EB'

168'WB'

169'EB'

169'WB'

170'EB'

170'WB'

TSB

LIUNA WAY

8'LWS'

9'LWS'

7'LWS'

6'LWS'

SS

A&D

A&C

TIERNEY CROSSING

303'TC'

304'TC'

305'TC'

SEC

LEGEND

- SLOPE INTERCEPT
- SURFACE WATER FLOW
- SILT FENCE
- TEMPORARY DITCH CHECK
- INLET PROTECTION (TYPE A,C, or D)
- EROSION MAT CLASS I, TYPE B
- CULVERT PIPE DITCH CHECK
- STONE OR ROCK DITCH CHECK
- SFR — SILT FENCE RELIEF
- SL — SOD LAWN (SEE SDD "CONCRETE SURFACE DRAIN AND ASPHALTIC FLUMES)
- SEC — SOD EROSION CONTROL
- TSB — TEMPORARY SEDIMENT BASIN

NOTE:
EXACT LOCATIONS OF EROSION CONTROL ITEMS TO BE DETERMINED IN THE FIELD BY THE ENGINEER

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	DRAINAGE & EROSION CONTROL	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0220_DR.DWG
LAYOUT NAME - EC-SHEET12

PLOT DATE : 4/30/2019 12:57 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

N

178'EB'
178'WB'
179'EB'
179'WB'
180'EB'
180'WB'
181'EB'
181'WB'
182'EB'
182'WB'
STH 19
STH 19
12'CW'
CASHEL WAY
11'CW'
A&D
A&D
A&D
A&D
A
SEC
TSB

LEGEND

- SLOPE INTERCEPT
- SURFACE WATER FLOW
- SILT FENCE
- TEMPORARY DITCH CHECK
- INLET PROTECTION (TYPE A,C, or D)
- EROSION MAT CLASS I, TYPE B
- CULVERT PIPE DITCH CHECK
- STONE OR ROCK DITCH CHECK
- SFR — SILT FENCE RELIEF
- SL — SOD LAWN (SEE SDD "CONCRETE SURFACE DRAIN AND ASPHALTIC FLUMES)
- SEC — SOD EROSION CONTROL
- TSB — TEMPORARY SEDIMENT BASIN

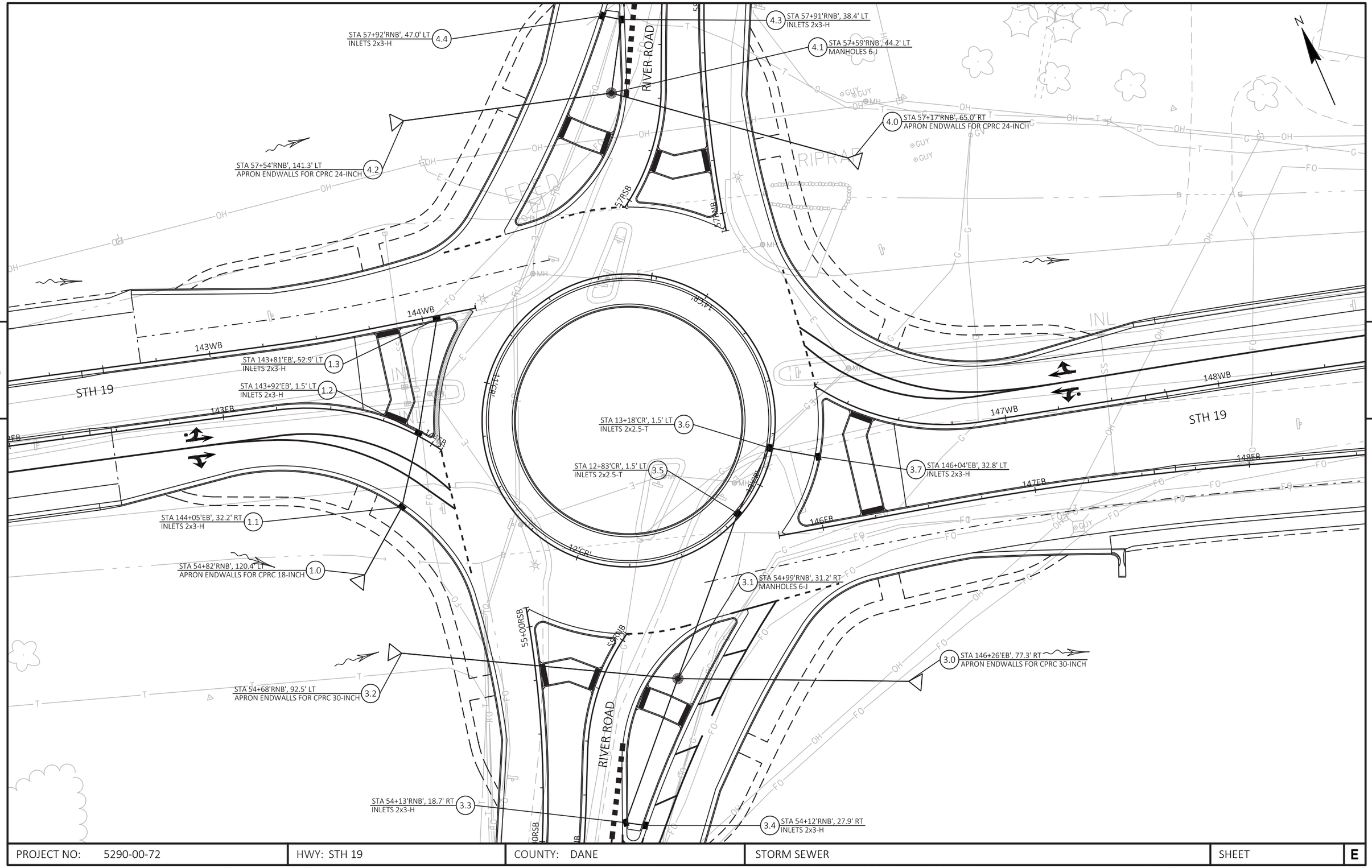
NOTE:
EXACT LOCATIONS OF EROSION CONTROL ITEMS TO BE DETERMINED IN THE FIELD BY THE ENGINEER

2

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	DRAINAGE & EROSION CONTROL	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0220_DR.DWG
LAYOUT NAME - EC-SHEET13

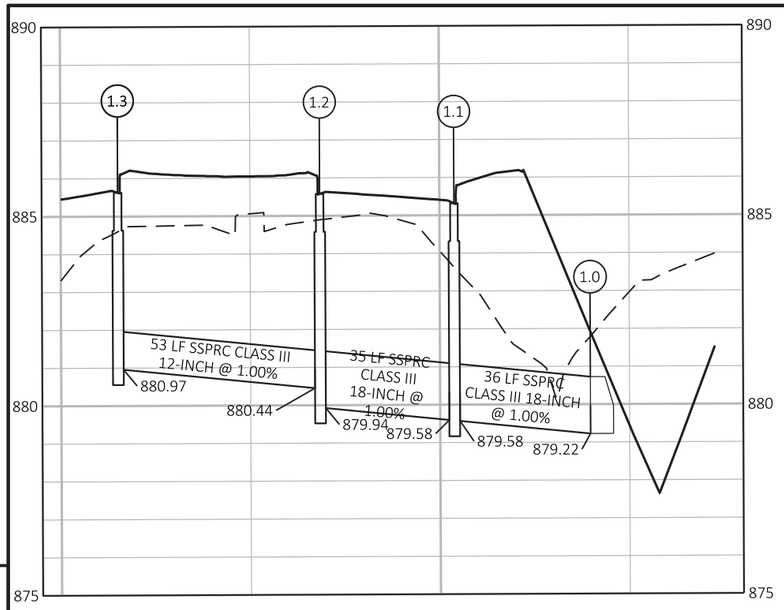
PLOT DATE : 4/30/2019 12:57 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:50 FT

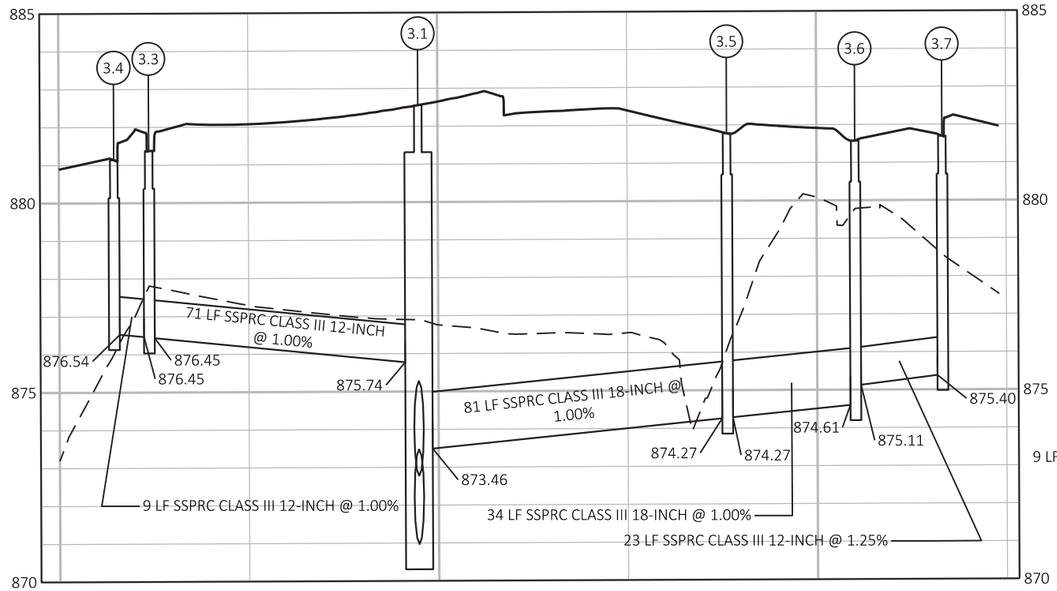


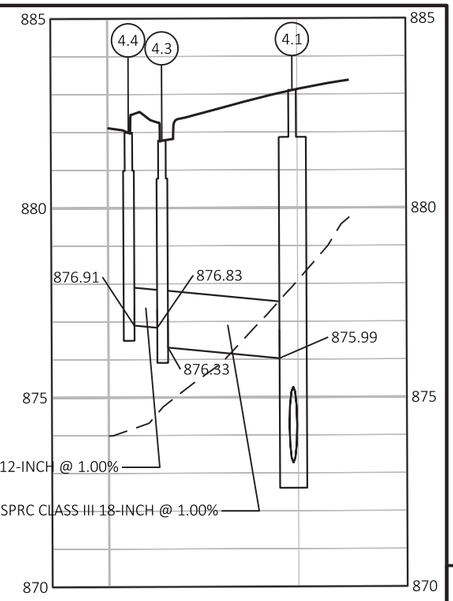
PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	STORM SEWER	SHEET	E

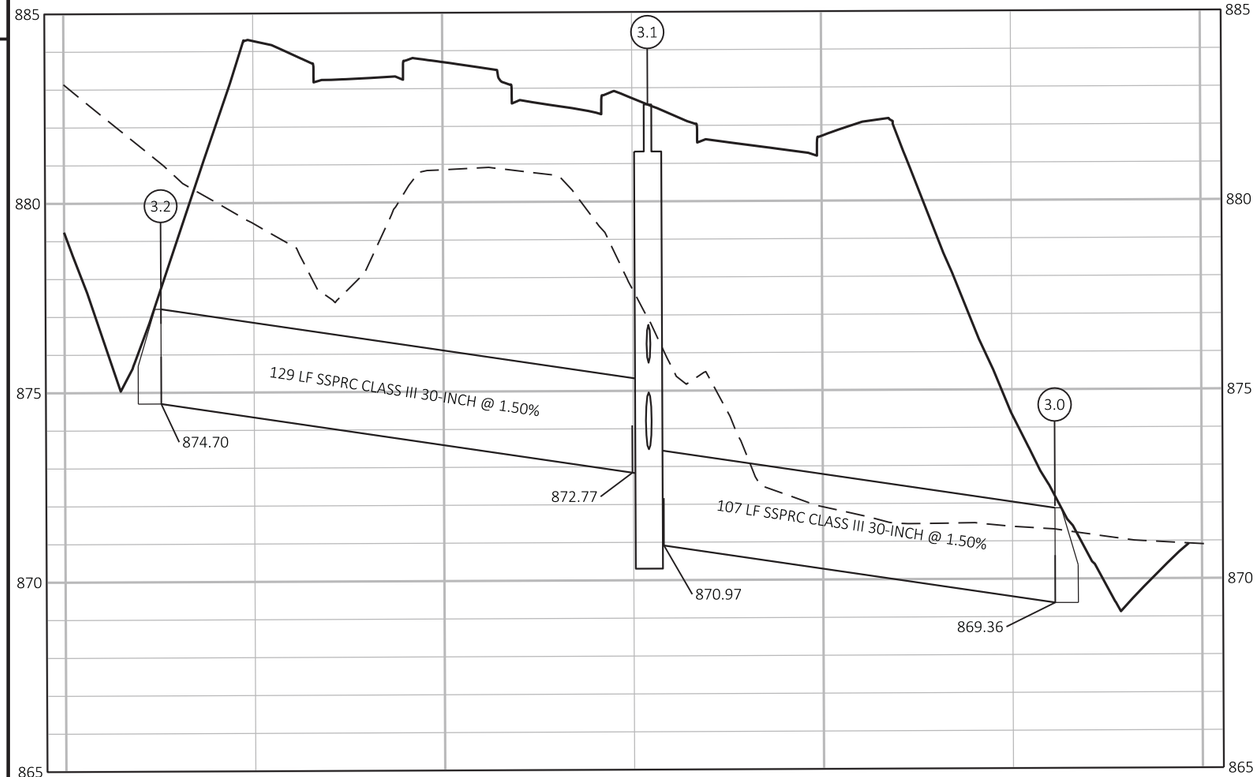
FILE NAME : G:\AYRES\16019-000 STH 19\CIVIL3D\DESIGN\PIPENETWORKS\KL_0002_PIPE_NETWORK.DWG
LAYOUT NAME - SS 1

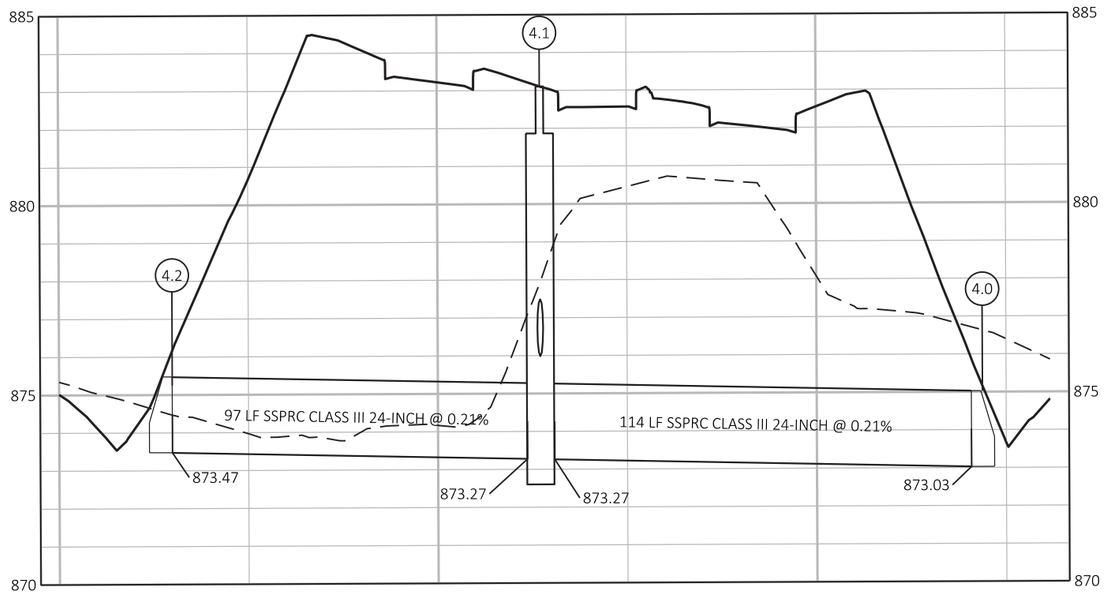
PLOT DATE : 4/23/2019 6:52 AM PLOT BY : MICHAEL PLESSEL PLOT NAME : PLOT SCALE : 1 IN:40 FT







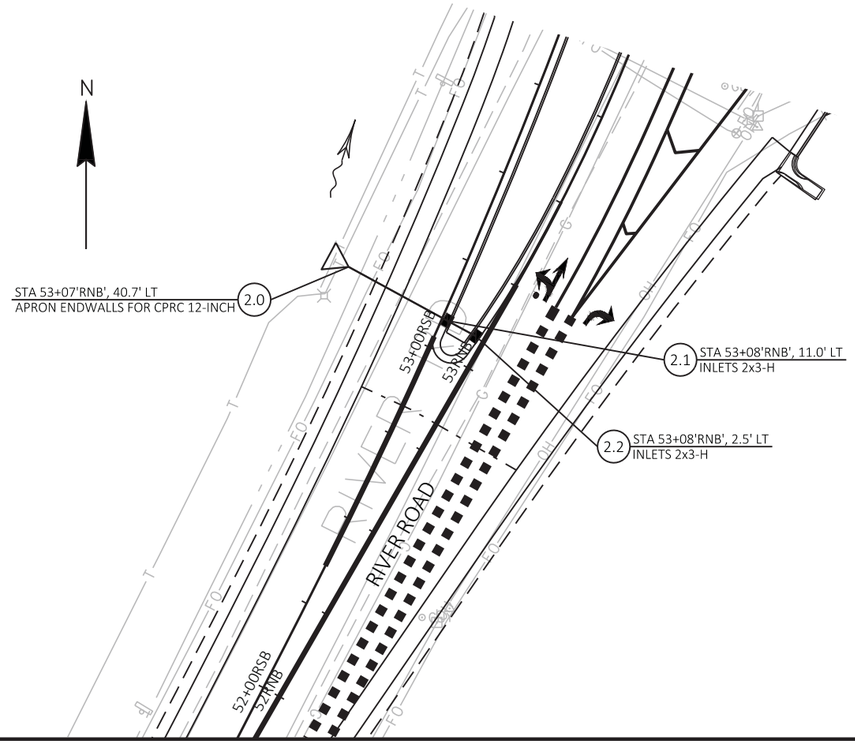


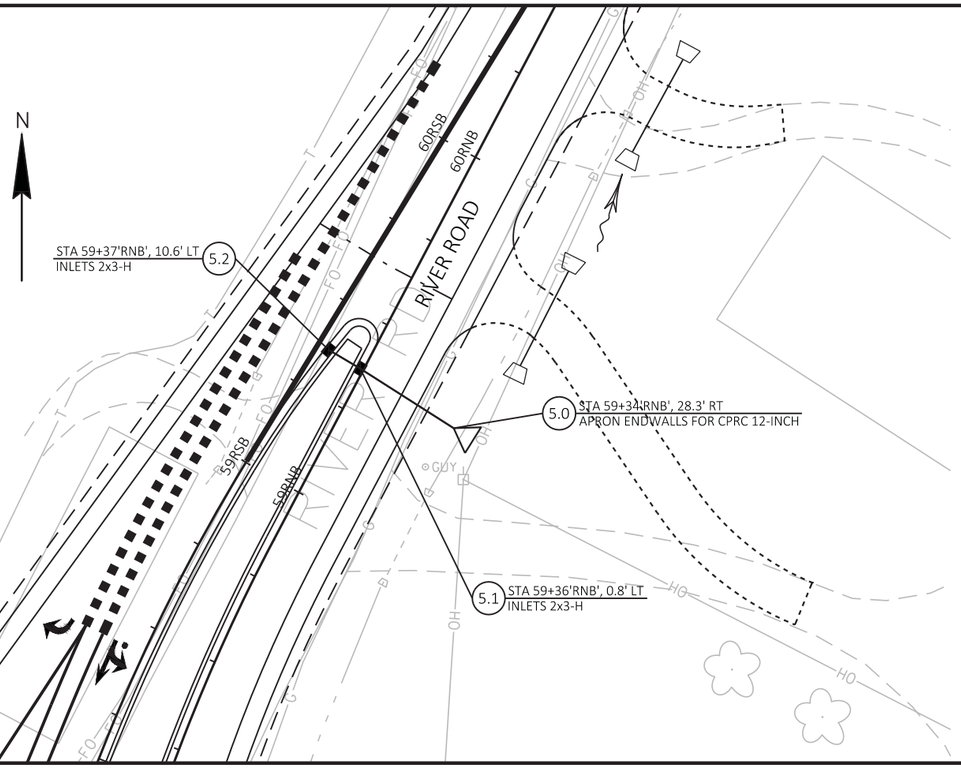


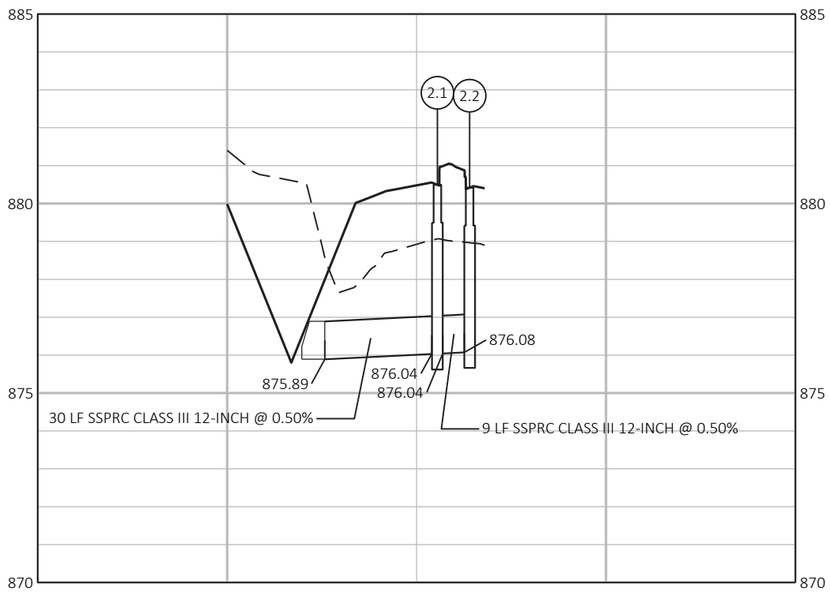
PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	STORM SEWER	SHEET E

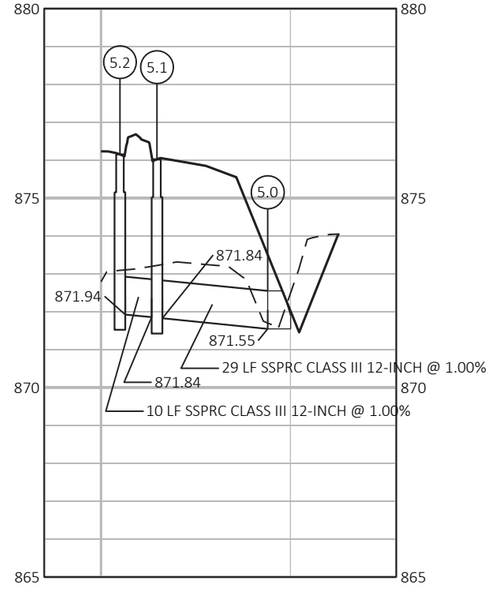
FILE NAME : G:\AYRES\16019-000 STH 19\CIVIL3D\DESIGN\PIPENETWORKS\KL_0002_PIPE_NETWORK.DWG
LAYOUT NAME - SS 1A

PLOT DATE : 4/23/2019 6:52 AM PLOT BY : MICHAEL PLESSEL PLOT NAME : PLOT SCALE : 1 IN:40 FT

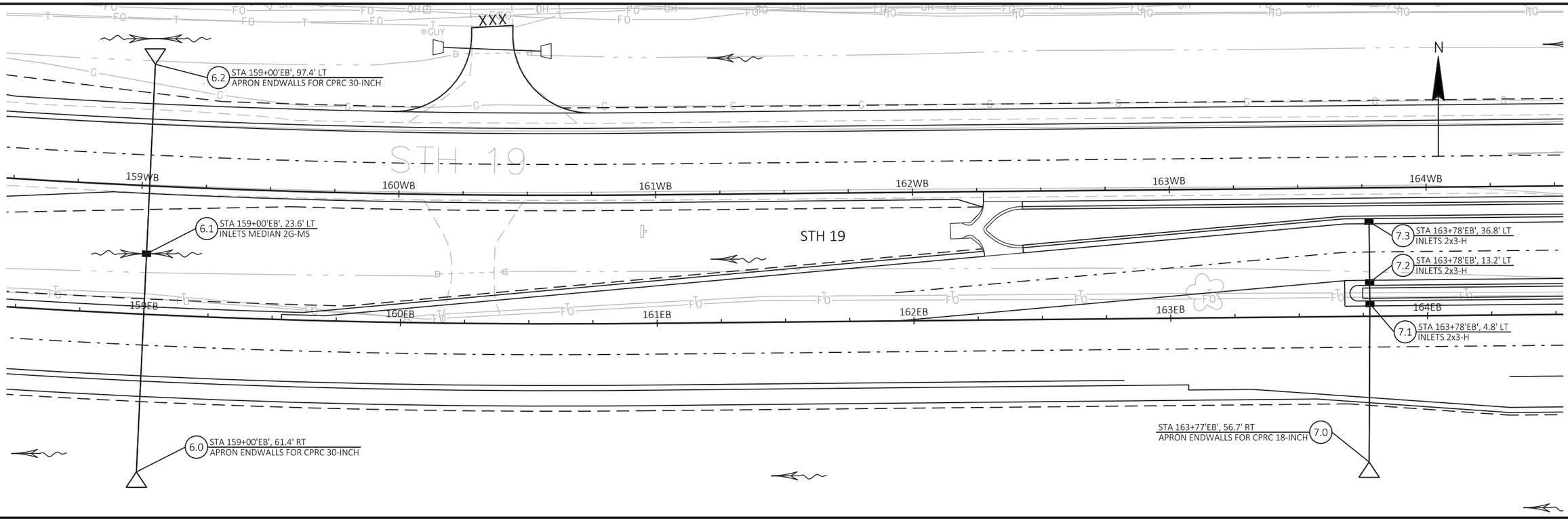


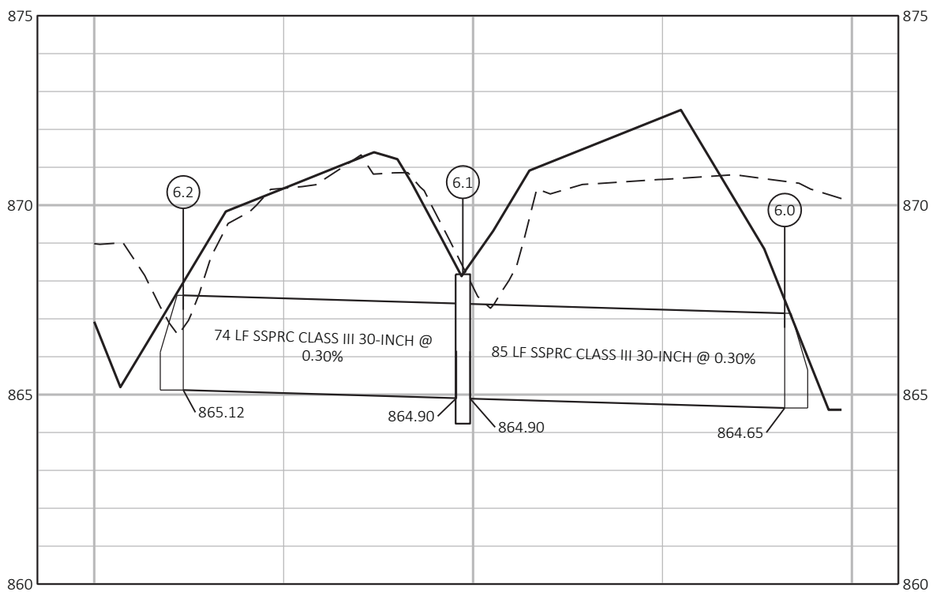


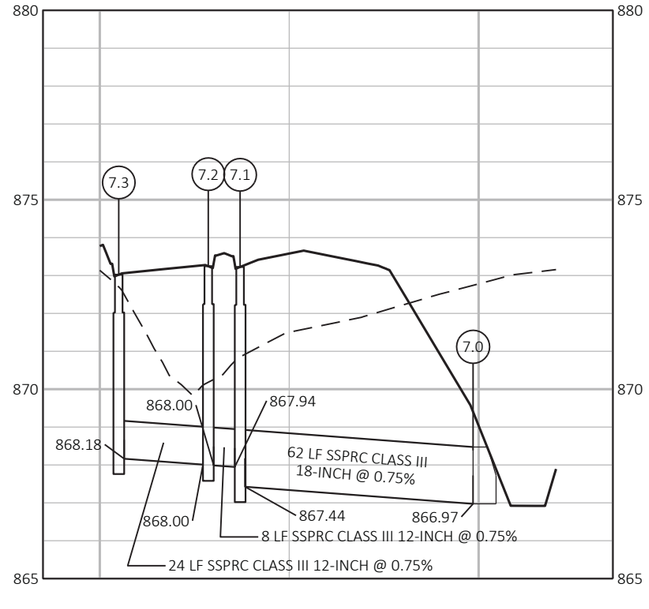




PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	STORM SEWER	SHEET	E







PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	STORM SEWER	SHEET	E

FILE NAME : G:\AYRES\16019-000 STH 19\CIVIL3D\DESIGN\PIPENETWORKS\KL_0002_PIPE_NETWORK.DWG
LAYOUT NAME - SS 3

PLOT DATE : 4/23/2019 6:53 AM PLOT BY : MICHAEL PLESSEL PLOT NAME : PLOT SCALE : 1 IN:40 FT

CC2 STA 303+53'TC', 16.1' LT
CONCRETE COLLAR REQUIRED

9.4 STA 303+50'TC', 45.5' LT
INLETS 2x3-H

9.5 STA 303+50'TC', 27.1' RT
INLETS 2x3-H

9.2 STA 303+20'TC', 15.9' LT
MANHOLES 6-J

9.1 STA 303+20'TC', 29.7' RT
MANHOLES 6-H

9.3 STA 303+20'TC', 45.5' LT
INLETS 2x3-H

9.0 STA 303+00'TC', 65.1' RT
APRON ENDWALLS FOR CPRC 30-INCH

TIERNEY CROSSING

8.2 STA 168+97'EB', 111.4' LT
APRON ENDWALLS FOR CPRC 42-INCH

8.5 STA 168+53'EB', 44.5' LT
INLETS 2x3-H

8.4 STA 168+53'EB', 29.5' LT
INLETS 2x3-H

8.1 STA 168+65'EB', 21.0' LT
MANHOLES 8-J

STH 19

8.3 STA 168+95'EB', 13.3' LT
INLETS 2x3-H

8.6 STA 168+95'EB', 4.9' LT
INLETS 2x3-H

8.7 STA 167+33'EB', 82.0' RT
APRON ENDWALLS FOR CPRC 12-INCH

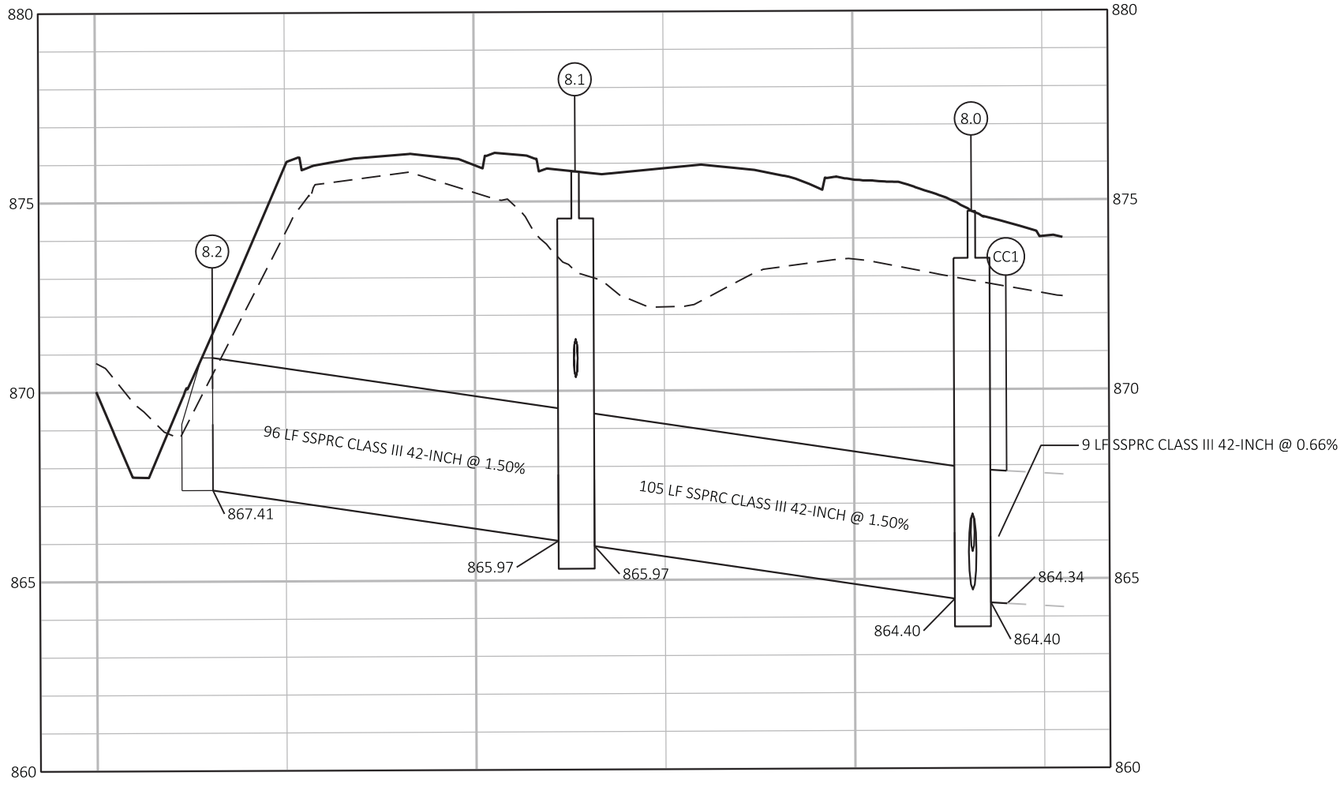
8.0 STA 168+52'EB', 82.7' RT
MANHOLES 8-J

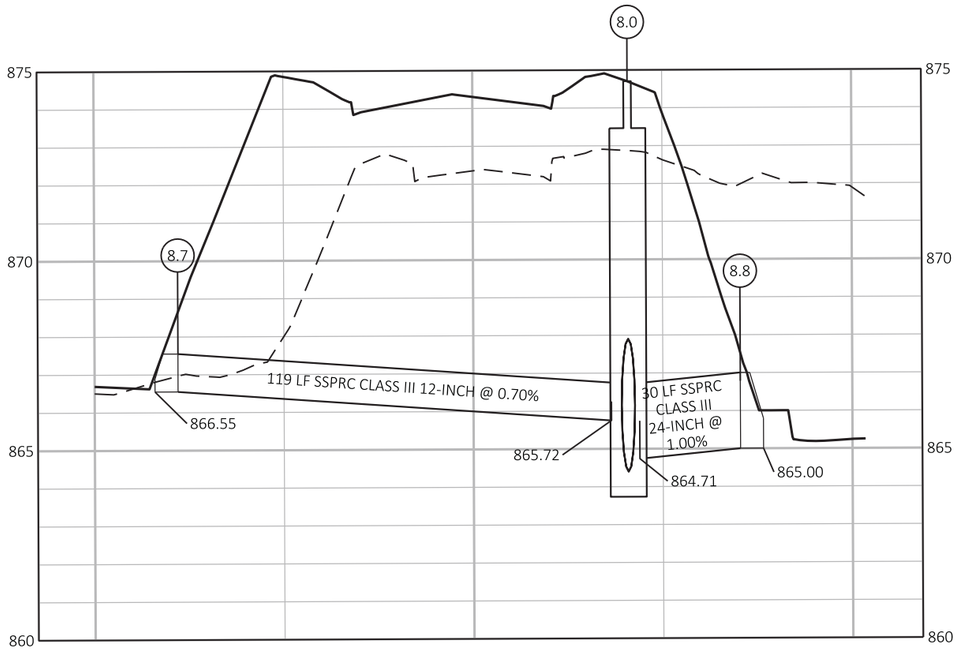
8.8 STA 168+81'EB', 86.6' RT
APRON ENDWALLS FOR CPRC 24-INCH

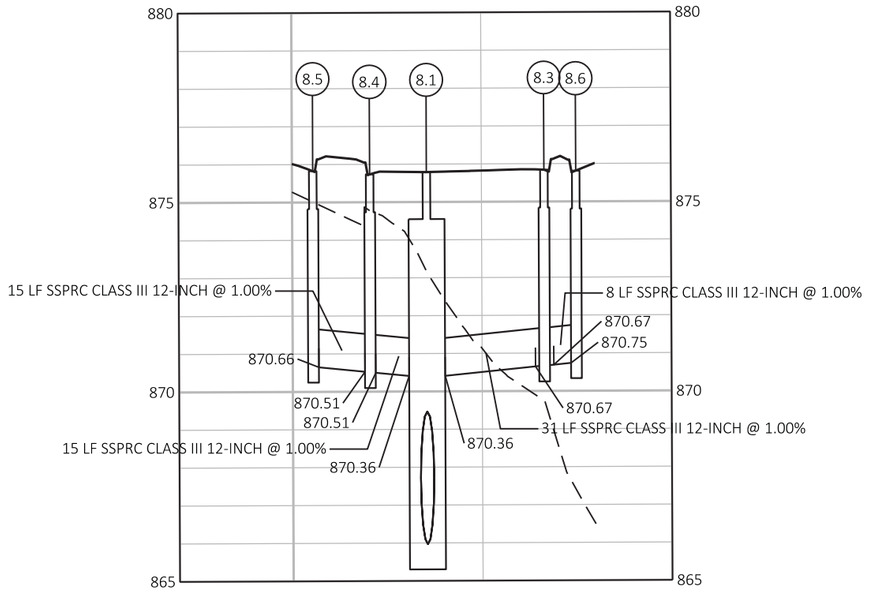
CC1 STA 168+50'EB', 91.5' RT
CONCRETE COLLAR REQUIRED

LIUNA WAY

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	STORM SEWER	SHEET E



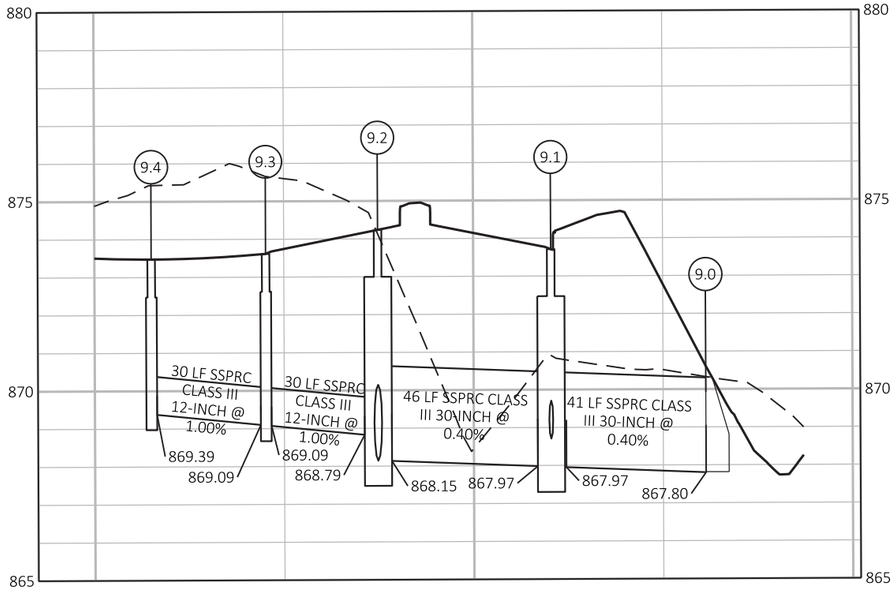


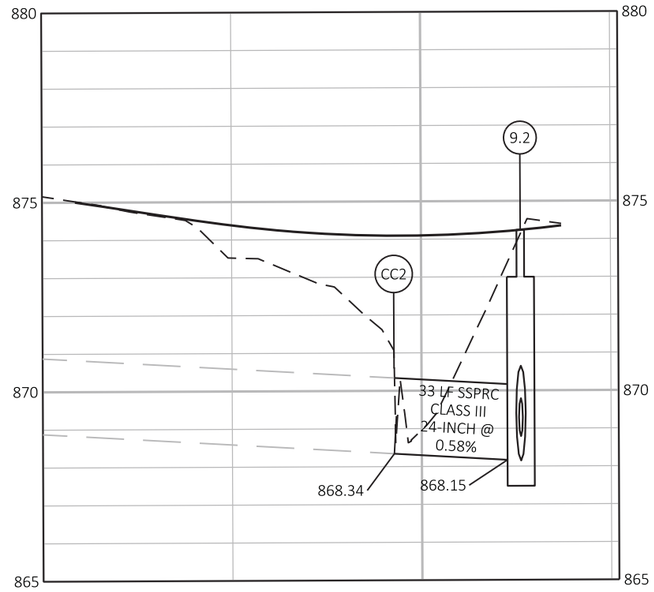


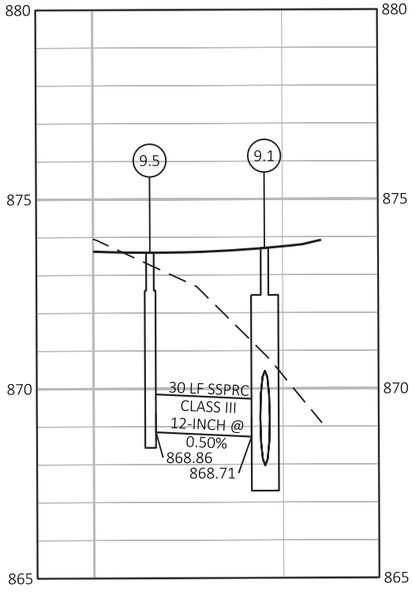
PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	STORM SEWER	SHEET	E

FILE NAME : G:\AYRES\16019-000 STH 19\CIVIL3D\DESIGN\PIPENETWORKS\KL_0002_PIPE_NETWORK.DWG
LAYOUT NAME - SS 4A

PLOT DATE : 4/23/2019 6:54 AM PLOT BY : MICHAEL PLESSEL PLOT NAME : PLOT SCALE : 1 IN:40 FT



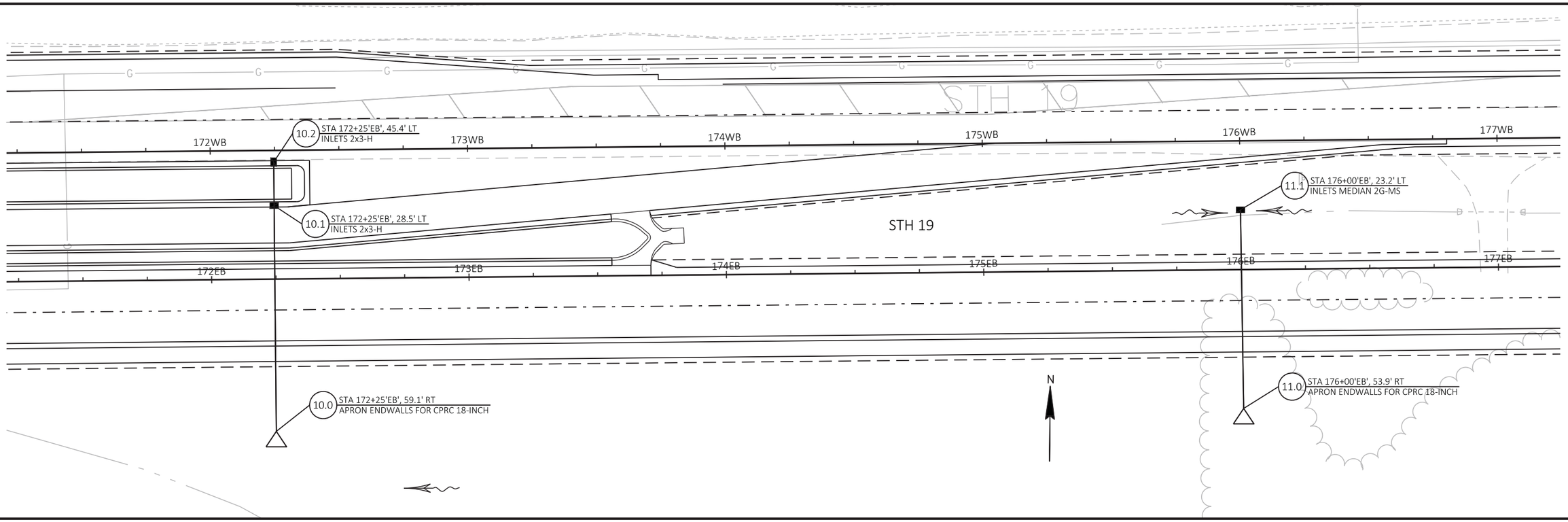


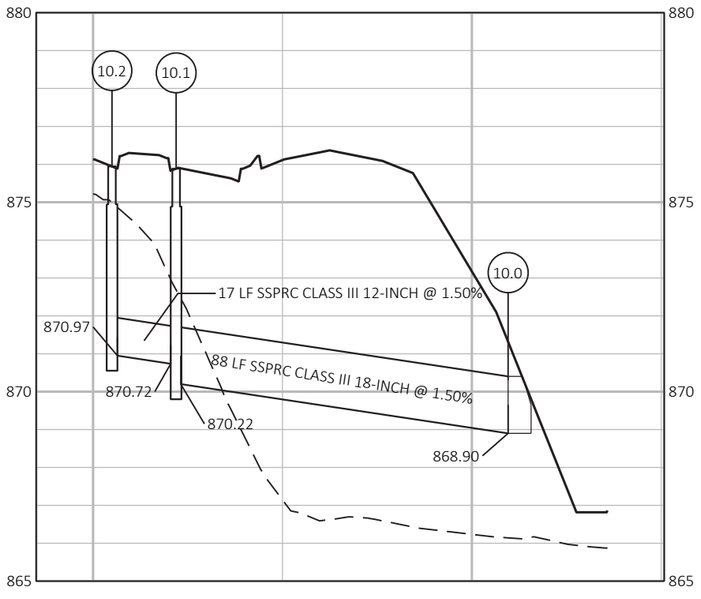


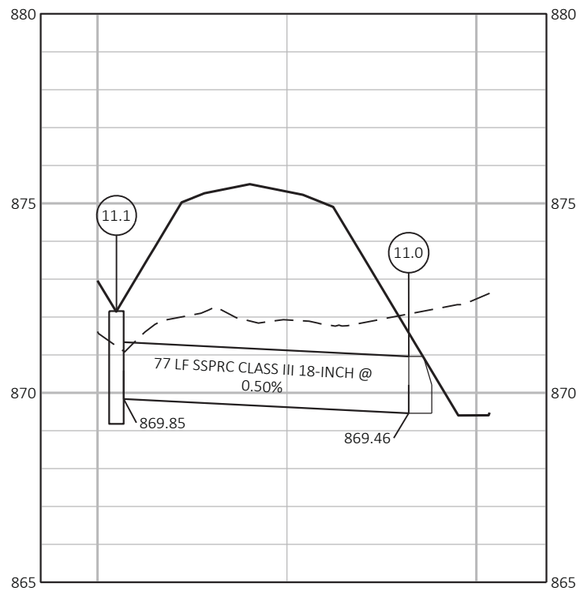
PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	STORM SEWER	SHEET	E

FILE NAME : G:\AYRES\16019-000 STH 19\CIVIL3D\DESIGN\PIPENETWORKS\KL_0002_PIPE_NETWORK.DWG
LAYOUT NAME - SS 4B

PLOT DATE : 4/23/2019 6:54 AM PLOT BY : MICHAEL PLESSEL PLOT NAME : PLOT SCALE : 1 IN:40 FT



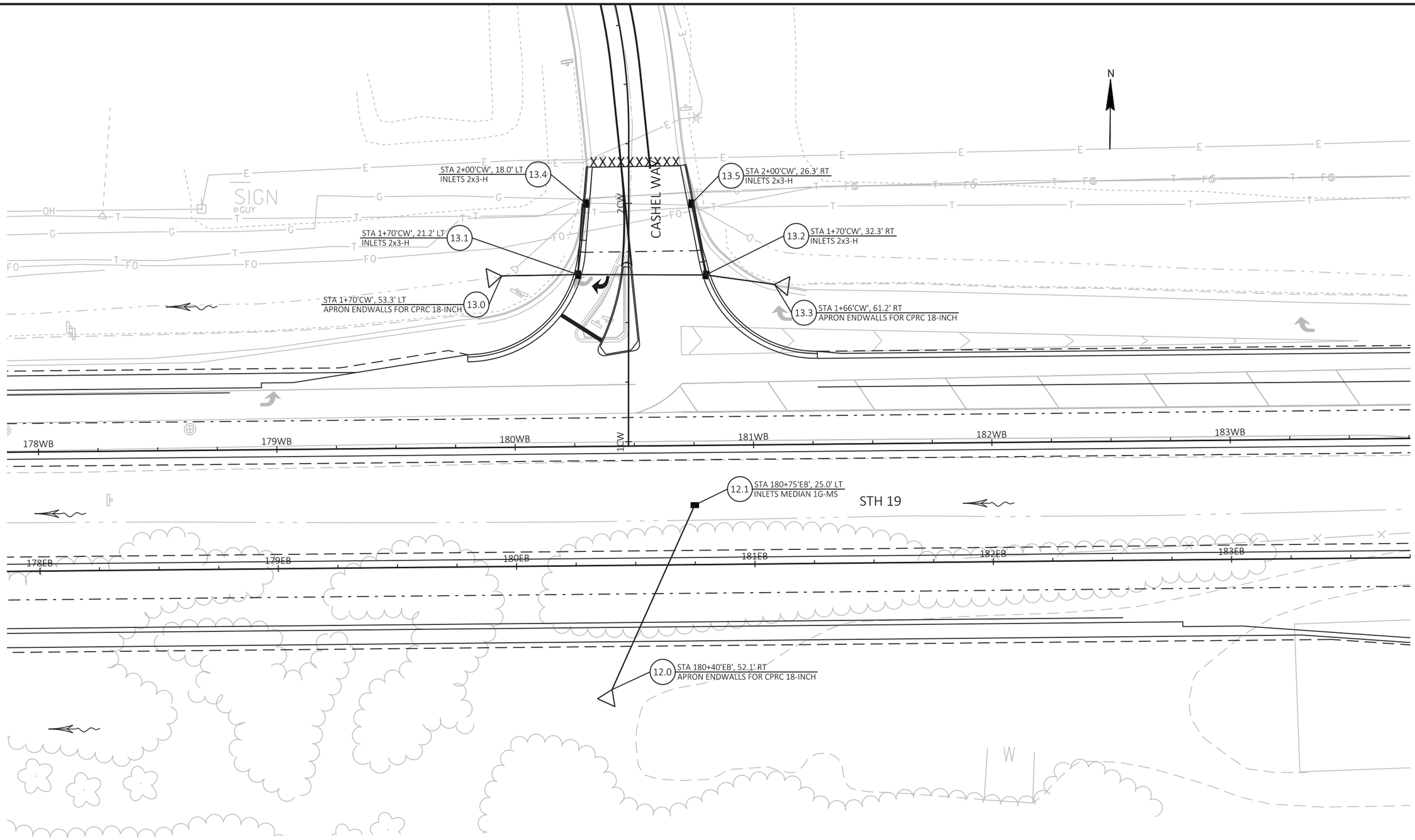




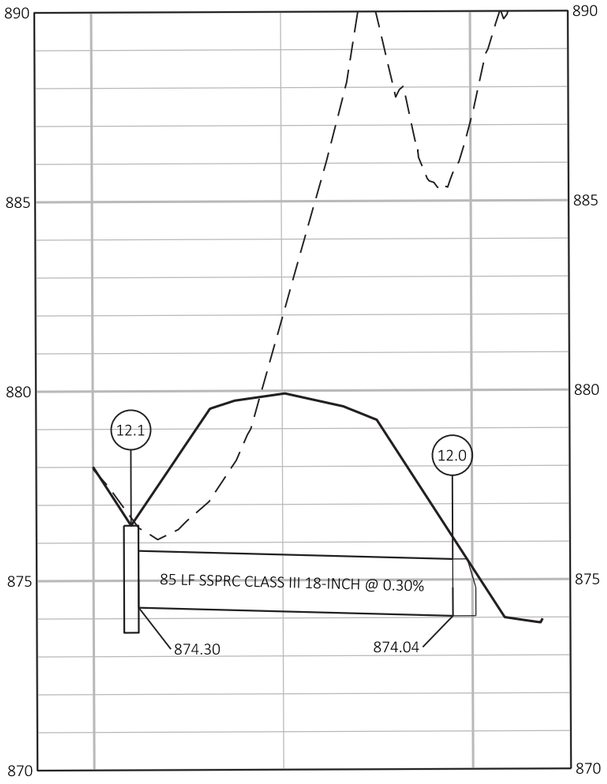
PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	STORM SEWER	SHEET	E

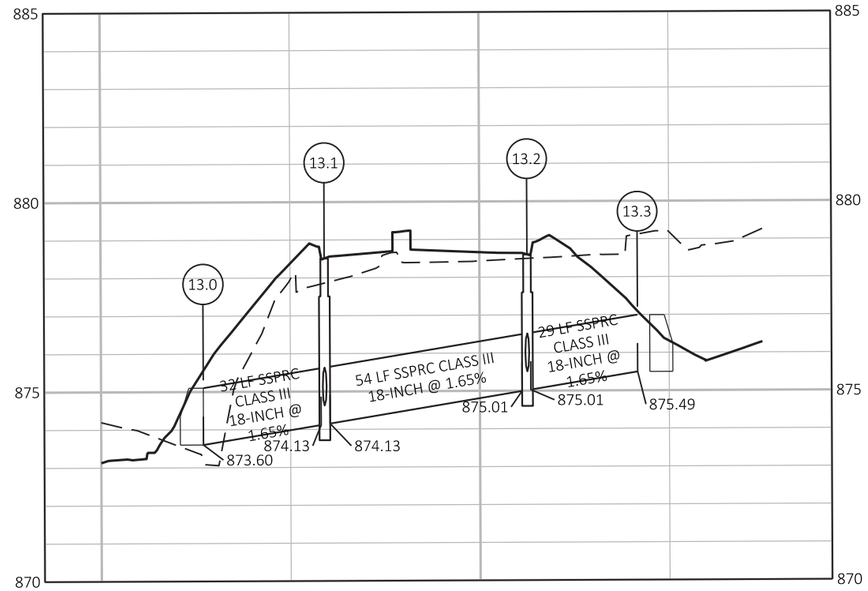
FILE NAME : G:\AYRES\16019-000 STH 19\CIVIL3D\DESIGN\PIPENETWORKS\KL_0002_PIPE_NETWORK.DWG
LAYOUT NAME - SS 5

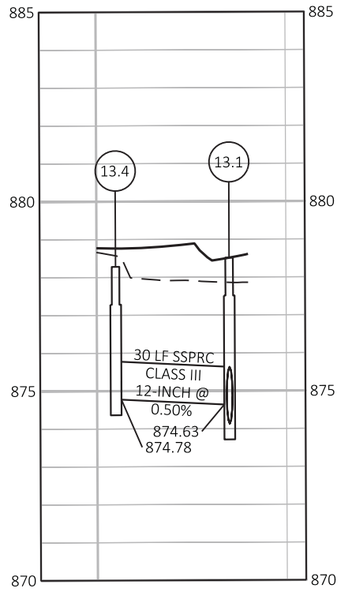
PLOT DATE : 4/23/2019 6:54 AM PLOT BY : MICHAEL PLESSEL PLOT NAME : PLOT SCALE : 1 IN:40 FT

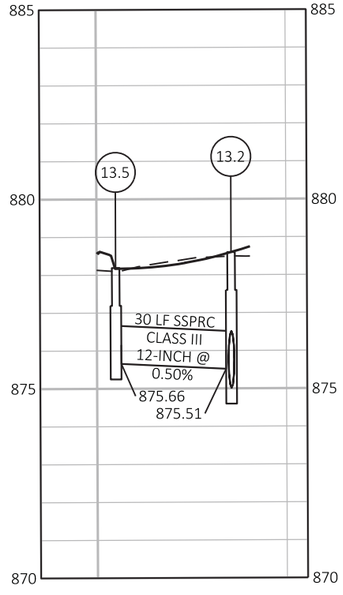


PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	STORM SEWER	SHEET E





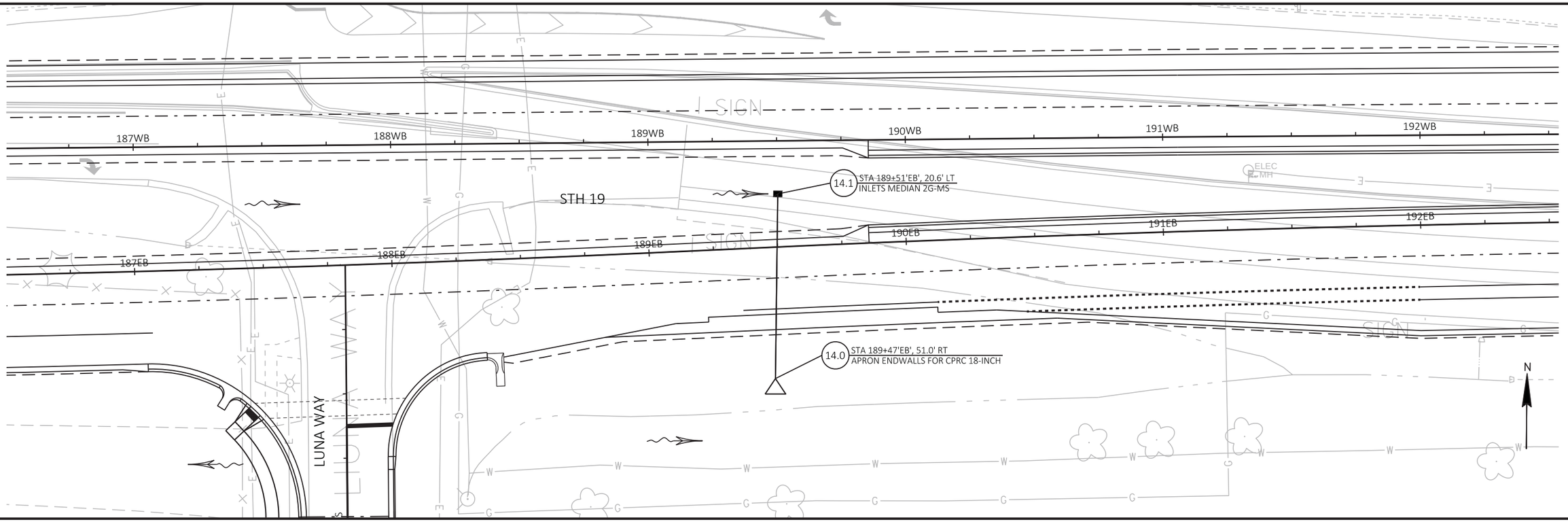


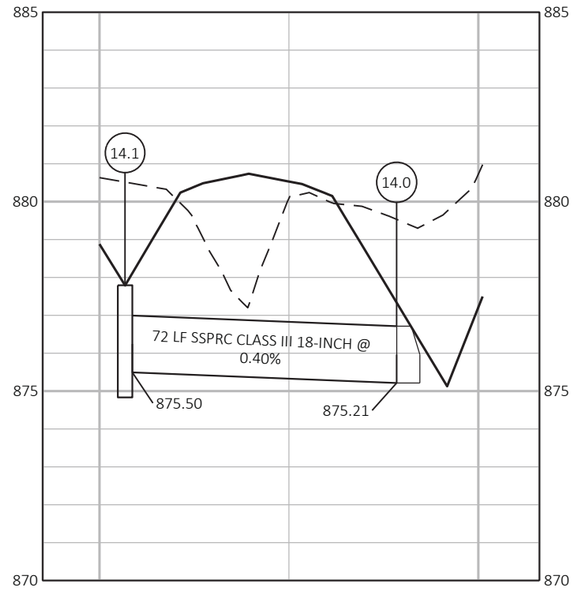


PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	STORM SEWER	SHEET	E

FILE NAME : G:\AYRES\16019-000 STH 19\CIVIL3D\DESIGN\PIPENETWORKS\KL_0002_PIPE_NETWORK.DWG
LAYOUT NAME - SS 6A

PLOT DATE : 4/23/2019 6:55 AM PLOT BY : MICHAEL PLESSEL PLOT NAME : PLOT SCALE : 1 IN:40 FT





PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	STORM SEWER	SHEET	E

FILE NAME : G:\AYRES\16019-000 STH 19\CIVIL3D\DESIGN\PIPENETWORKS\KL_0002_PIPE_NETWORK.DWG
LAYOUT NAME - SS 7

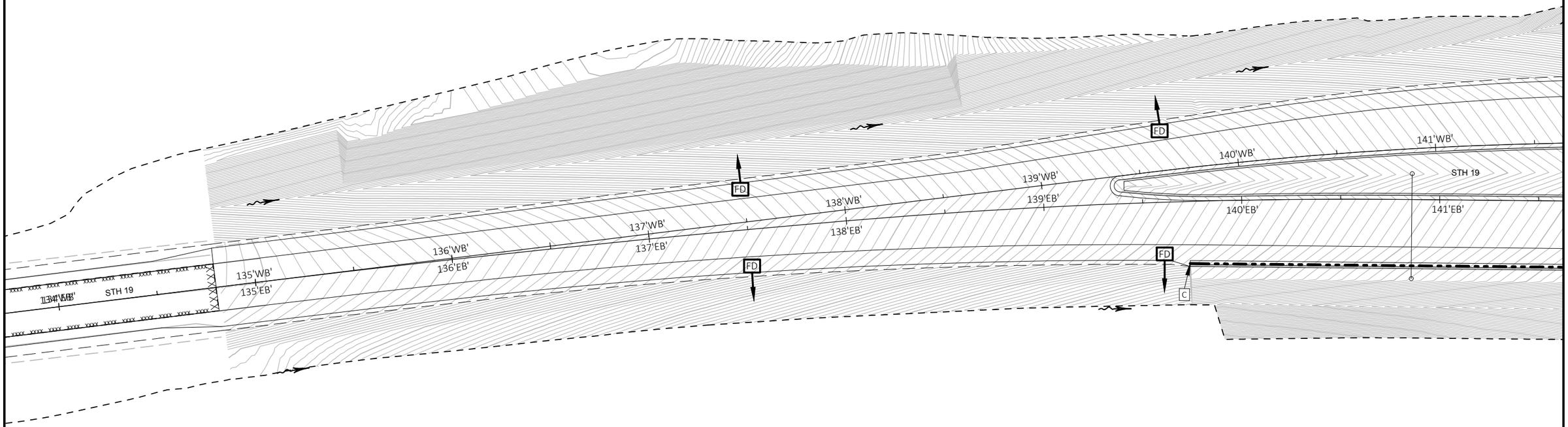
PLOT DATE : 4/23/2019 6:55 AM PLOT BY : MICHAEL PLESSEL PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- SLOPE INTERCEPT
- SURFACE WATER FLOW
- PIPE UNDERDRAIN 6-INCH PERFORATED
- FD — SUGGESTED LOCATION OF FRENCH DRAIN (USED FOR QUANTITY COMPUTATIONS. EXACT NUMBER AND LOCATIONS TO BE DETERMINED IN THE FIELD BY THE ENGINEER.)
- C — CAPPED END OF PIPE UNDERDRAIN (INCIDENTAL TO PIPE UNDERDRAIN ITEMS)
- TAP CONNECTION TO INLET OR MANHOLE USING PIPE UNDERDRAIN 6-INCH UNPERFORATED (INCIDENTAL TO PIPE UNDERDRAIN ITEMS) (SEE CONSTRUCTION DETAILS FOR PIPE UNDERDRAIN)
- U.E. 881.17'+/- — ELEVATION OF UNDERDRAIN TAP CONNECTION (INCIDENTAL TO PIPE UNDERDRAIN ITEMS) (SEE CONSTRUCTION DETAILS FOR PIPE UNDERDRAIN)

N



2

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	UNDERDRAIN PLAN	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0226_PU.DWG
LAYOUT NAME - PU-SHEET01

PLOT DATE : 4/30/2019 1:01 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

N

FD

C

57'RSB'

57'RNB'

58'RSB'

58'RNB'

RIVER ROAD

1'WB'

142'WB'

143'WB'

144'WB'

STH 19

HIGH POINT

141'EB'

142'EB'

143'EB'

144'EB'

U.E. 881.17'+/-

U.E. 878.94'+/-

147'WB'

148'WB'

149'WB'

STH 19

146'EB'

147'EB'

148'EB'

149'EB'

55'RSB'

55'RNB'

54'RSB'

54'RNB'

RIVER ROAD

LEGEND

- SLOPE INTERCEPT
- SURFACE WATER FLOW
- PIPE UNDERDRAIN 6-INCH PERFORATED
- FD — SUGGESTED LOCATION OF FRENCH DRAIN (USED FOR QUANTITY COMPUTATIONS. EXACT NUMBER AND LOCATIONS TO BE DETERMINED IN THE FIELD BY THE ENGINEER.)
- C — CAPPED END OF PIPE UNDERDRAIN (INCIDENTAL TO PIPE UNDERDRAIN ITEMS)
- TAP CONNECTION TO INLET OR MANHOLE USING PIPE UNDERDRAIN 6-INCH UNPERFORATED (INCIDENTAL TO PIPE UNDERDRAIN ITEMS) (SEE CONSTRUCTION DETAILS FOR PIPE UNDERDRAIN)
- U.E. 881.17'+/- — ELEVATION OF UNDERDRAIN TAP CONNECTION (INCIDENTAL TO PIPE UNDERDRAIN ITEMS) (SEE CONSTRUCTION DETAILS FOR PIPE UNDERDRAIN)

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	UNDERDRAIN PLAN	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0226_PU.DWG
LAYOUT NAME - PU-SHEET02

PLOT DATE : 4/30/2019 1:01 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

2

N

YAHARA

149'WB'
150'WB'
151'WB'
152'WB'
153'WB'
154'WB'
155'WB'
156'WB'
STH 19
149'EB'
150'EB'
151'EB'
152'EB'
153'EB'
154'EB'
155'EB'
156'EB'
STH 19
FD
RIVER

LEGEND

- SLOPE INTERCEPT
- SURFACE WATER FLOW
- PIPE UNDERDRAIN 6-INCH PERFORATED
- FD — SUGGESTED LOCATION OF FRENCH DRAIN (USED FOR QUANTITY COMPUTATIONS. EXACT NUMBER AND LOCATIONS TO BE DETERMINED IN THE FIELD BY THE ENGINEER.)
- C — CAPPED END OF PIPE UNDERDRAIN (INCIDENTAL TO PIPE UNDERDRAIN ITEMS)
- TAP CONNECTION TO INLET OR MANHOLE USING PIPE UNDERDRAIN 6-INCH UNPERFORATED (INCIDENTAL TO PIPE UNDERDRAIN ITEMS) (SEE CONSTRUCTION DETAILS FOR PIPE UNDERDRAIN)
- U.E. 881.17'+/- — ELEVATION OF UNDERDRAIN TAP CONNECTION (INCIDENTAL TO PIPE UNDERDRAIN ITEMS) (SEE CONSTRUCTION DETAILS FOR PIPE UNDERDRAIN)

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	UNDERDRAIN PLAN	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0226_PU.DWG
LAYOUT NAME - PU-SHEET03

PLOT DATE : 4/30/2019 1:01 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

N

LEGEND

- SLOPE INTERCEPT
- SURFACE WATER FLOW
- PIPE UNDERDRAIN 6-INCH PERFORATED
- FD — SUGGESTED LOCATION OF FRENCH DRAIN (USED FOR QUANTITY COMPUTATIONS. EXACT NUMBER AND LOCATIONS TO BE DETERMINED IN THE FIELD BY THE ENGINEER.)
- C — CAPPED END OF PIPE UNDERDRAIN (INCIDENTAL TO PIPE UNDERDRAIN ITEMS)
- TAP CONNECTION TO INLET OR MANHOLE USING PIPE UNDERDRAIN 6-INCH UNPERFORATED (INCIDENTAL TO PIPE UNDERDRAIN ITEMS) (SEE CONSTRUCTION DETAILS FOR PIPE UNDERDRAIN)
- U.E. 881.17'+/- — ELEVATION OF UNDERDRAIN TAP CONNECTION (INCIDENTAL TO PIPE UNDERDRAIN ITEMS) (SEE CONSTRUCTION DETAILS FOR PIPE UNDERDRAIN)

MH

XXX

LOW POINT

FD

157'WB'

158'WB'

159'WB'

160'WB'

161'WB'

162'WB'

163'WB'

164'WB'

U.E. 869.83'+/-

STH 19

U.E. 866.95'+/-

LOW POINT

157'EB'

158'EB'

159'EB'

160'EB'

161'EB'

162'EB'

163'EB'

164'EB'

U.E. 870.03'+/-

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	UNDERDRAIN PLAN	SHEET	E

2

N

XXXXX

304'TC'

TIERNEY CROSSING

303'TC'

MH

U.E. 870.64'+/-

U.E. 870.77'+/-

U.E. 872.63'+/-

U.E. 872.68'+/-

U.E. 870.28'+/-

FD

C

164'WB' 165'WB' 166'WB' 167'WB' 168'WB' 169'WB' 170'WB' 171'WB'

164'EB' 165'EB' 166'EB' 167'EB' 168'EB' 169'EB' 170'EB' 171'EB'

HIGH POINT

STH 19

STH 19

9'LWS'

LUNA WAY

8'LWS'

2

LEGEND

- SLOPE INTERCEPT
- SURFACE WATER FLOW
- PIPE UNDERDRAIN 6-INCH PERFORATED
- FD — SUGGESTED LOCATION OF FRENCH DRAIN (USED FOR QUANTITY COMPUTATIONS. EXACT NUMBER AND LOCATIONS TO BE DETERMINED IN THE FIELD BY THE ENGINEER.)
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- TAP CONNECTION TO INLET OR MANHOLE USING PIPE UNDERDRAIN 6-INCH UNPERFORATED (INCIDENTAL TO PIPE UNDERDRAIN ITEMS) (SEE CONSTRUCTION DETAILS FOR PIPE UNDERDRAIN)
- U.E. 881.17'+/- — ELEVATION OF UNDERDRAIN TAP CONNECTION (INCIDENTAL TO PIPE UNDERDRAIN ITEMS) (SEE CONSTRUCTION DETAILS FOR PIPE UNDERDRAIN)

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	UNDERDRAIN PLAN	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0226_PU.DWG
LAYOUT NAME - PU-SHEET05

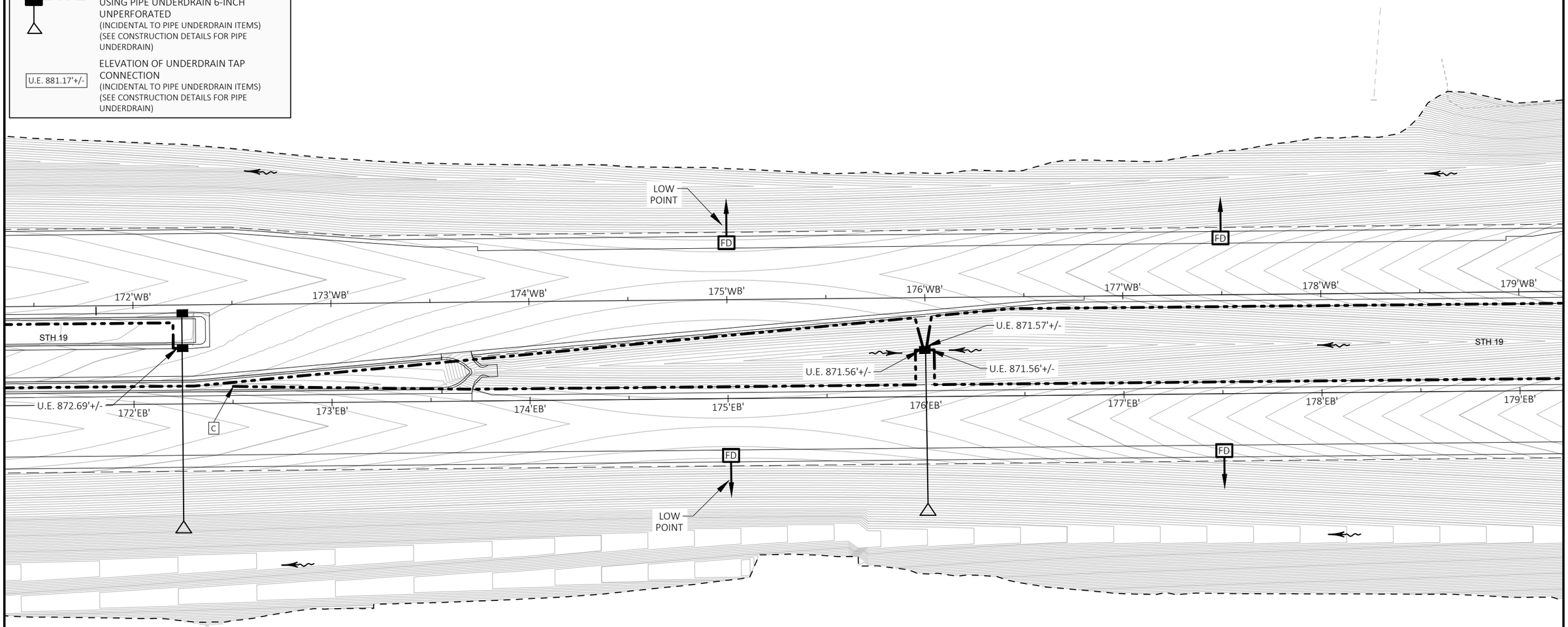
PLOT DATE : 4/30/2019 1:01 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

LEGEND

- SLOPE INTERCEPT
- SURFACE WATER FLOW
- PIPE UNDERDRAIN 6-INCH PERFORATED
- FD — SUGGESTED LOCATION OF FRENCH DRAIN (USED FOR QUANTITY COMPUTATIONS. EXACT NUMBER AND LOCATIONS TO BE DETERMINED IN THE FIELD BY THE ENGINEER.)
- C — CAPPED END OF PIPE UNDERDRAIN (INCIDENTAL TO PIPE UNDERDRAIN ITEMS)
- TAP CONNECTION TO INLET OR MANHOLE USING PIPE UNDERDRAIN 6-INCH UNPERFORATED (INCIDENTAL TO PIPE UNDERDRAIN ITEMS) (SEE CONSTRUCTION DETAILS FOR PIPE UNDERDRAIN)
- U.E. 881.17'+/- — ELEVATION OF UNDERDRAIN TAP CONNECTION (INCIDENTAL TO PIPE UNDERDRAIN ITEMS) (SEE CONSTRUCTION DETAILS FOR PIPE UNDERDRAIN)

N

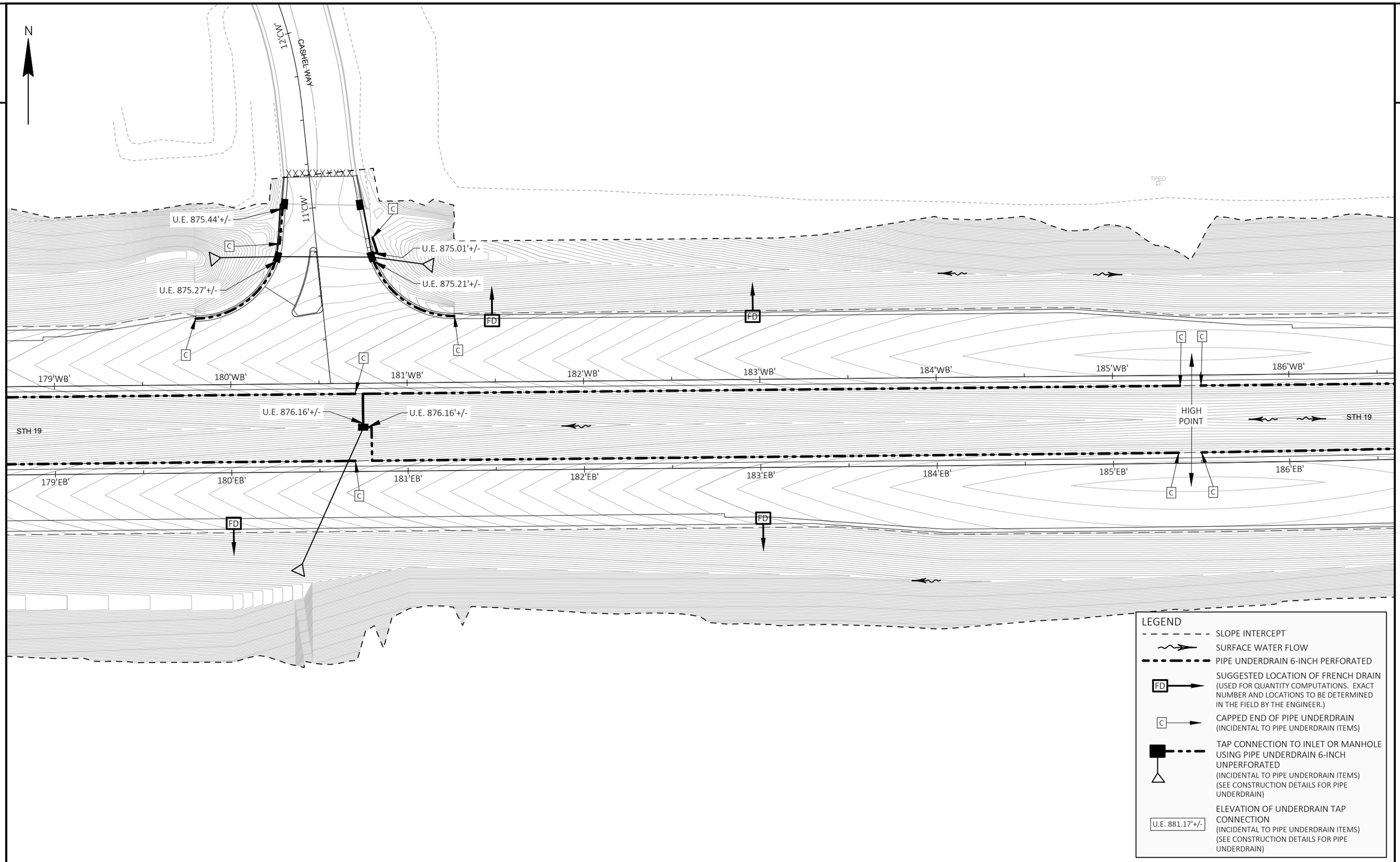


2

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	UNDERDRAIN PLAN	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0226_PU.DWG
LAYOUT NAME - PU-SHEET06

PLOT DATE : 4/30/2019 1:01 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:50 FT



PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	UNDERDRAIN PLAN	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0226_PU.DWG
LAYOUT NAME - PU-SHEET07

PLOT DATE : 4/30/2019 1:01 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

2

N

187'WB' 188'WB' 189'WB' 190'WB' 191'WB' 192'WB' 193'WB' 194'

U.E. 876.54'+/-

U.E. 876.86'+/-

STH 19

187'EB' 188'EB' 189'EB' 190'EB' 191'EB' 192'EB' 193'EB' 194

STH 19

FD

C

9+00'LES'

8+00'LES'

LIUNA WAY

LEGEND

- SLOPE INTERCEPT
- SURFACE WATER FLOW
- PIPE UNDERDRAIN 6-INCH PERFORATED
- FD — SUGGESTED LOCATION OF FRENCH DRAIN (USED FOR QUANTITY COMPUTATIONS. EXACT NUMBER AND LOCATIONS TO BE DETERMINED IN THE FIELD BY THE ENGINEER.)
- C — CAPPED END OF PIPE UNDERDRAIN (INCIDENTAL TO PIPE UNDERDRAIN ITEMS)
- TAP CONNECTION TO INLET OR MANHOLE USING PIPE UNDERDRAIN 6-INCH UNPERFORATED (INCIDENTAL TO PIPE UNDERDRAIN ITEMS) (SEE CONSTRUCTION DETAILS FOR PIPE UNDERDRAIN)
- U.E. 881.17'+/- — ELEVATION OF UNDERDRAIN TAP CONNECTION (INCIDENTAL TO PIPE UNDERDRAIN ITEMS) (SEE CONSTRUCTION DETAILS FOR PIPE UNDERDRAIN)

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	UNDERDRAIN PLAN	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0226_PU.DWG
LAYOUT NAME - PU-SHEET08

PLOT DATE : 4/30/2019 1:01 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

N

IH 39/90/94 OFF-RAMP

IH 39/90/94

FD

CONNECT TO EXISTING PIPE UNDERDRAIN (INCIDENTAL)

193'WB' 194'WB' 195'WB' 196'WB' 197'WB' 198'WB' 199'WB'

STH 19

EXISTING STORM SEWER INLETS

STH 19

193'EB' 194'EB' 195'EB' 196'EB' 197'EB' 198'EB' 199'EB'

CONNECT TO EXISTING PIPE UNDERDRAIN (INCIDENTAL)

FD

IH 39/90/94 ON-RAMP

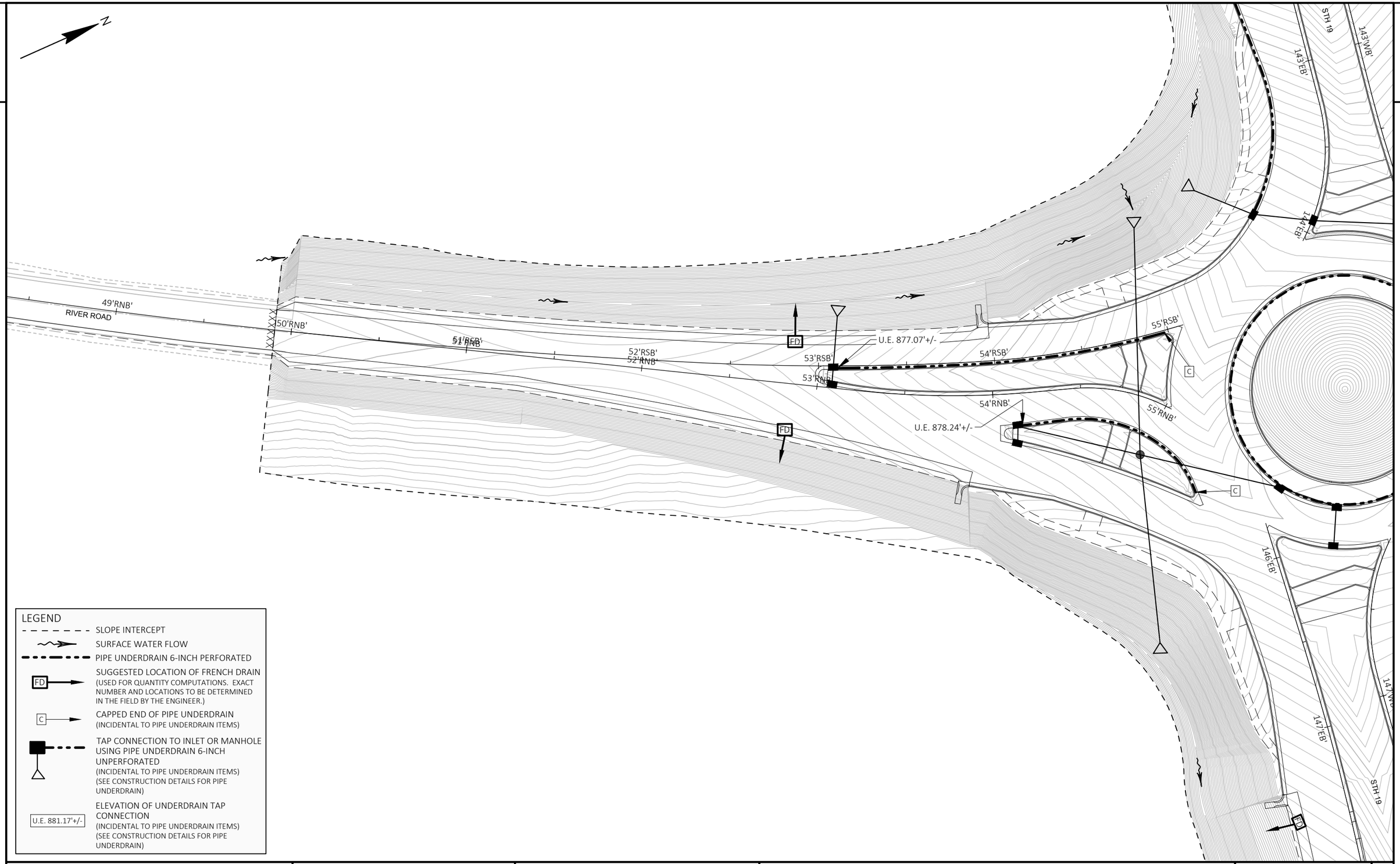
LEGEND

- SLOPE INTERCEPT
- SURFACE WATER FLOW
- PIPE UNDERDRAIN 6-INCH PERFORATED
- FD — SUGGESTED LOCATION OF FRENCH DRAIN (USED FOR QUANTITY COMPUTATIONS. EXACT NUMBER AND LOCATIONS TO BE DETERMINED IN THE FIELD BY THE ENGINEER.)
- C — CAPPED END OF PIPE UNDERDRAIN (INCIDENTAL TO PIPE UNDERDRAIN ITEMS)
- TAP CONNECTION TO INLET OR MANHOLE USING PIPE UNDERDRAIN 6-INCH UNPERFORATED (INCIDENTAL TO PIPE UNDERDRAIN ITEMS) (SEE CONSTRUCTION DETAILS FOR PIPE UNDERDRAIN)
- U.E. 881.17'+/- — ELEVATION OF UNDERDRAIN TAP CONNECTION (INCIDENTAL TO PIPE UNDERDRAIN ITEMS) (SEE CONSTRUCTION DETAILS FOR PIPE UNDERDRAIN)

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	UNDERDRAIN PLAN	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0226_PU.DWG
LAYOUT NAME - PU-SHEET09

PLOT DATE : 4/30/2019 1:01 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:50 FT



LEGEND

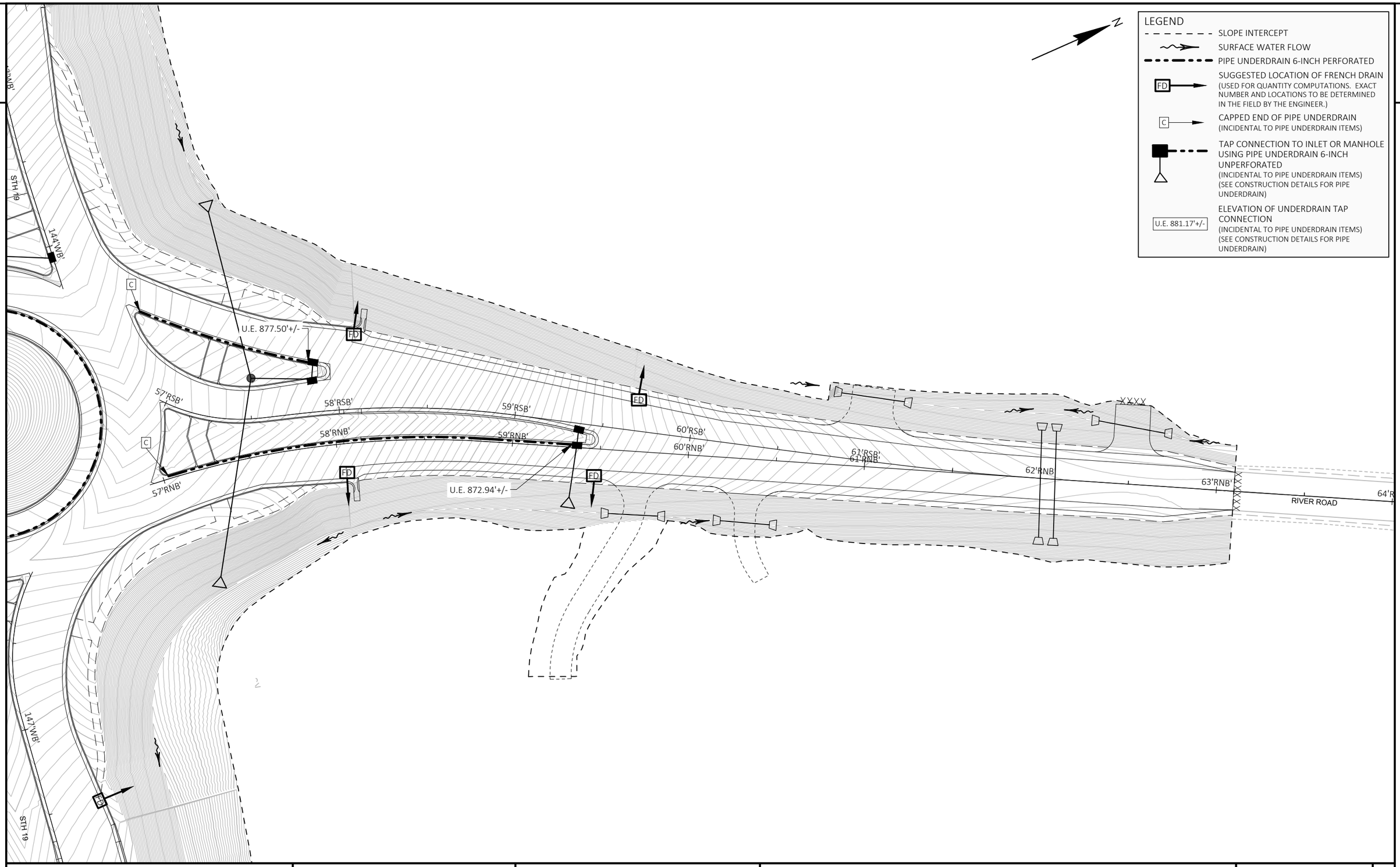
- SLOPE INTERCEPT
- SURFACE WATER FLOW
- PIPE UNDERDRAIN 6-INCH PERFORATED
- FD — SUGGESTED LOCATION OF FRENCH DRAIN (USED FOR QUANTITY COMPUTATIONS. EXACT NUMBER AND LOCATIONS TO BE DETERMINED IN THE FIELD BY THE ENGINEER.)
- C — CAPPED END OF PIPE UNDERDRAIN (INCIDENTAL TO PIPE UNDERDRAIN ITEMS)
- TAP CONNECTION TO INLET OR MANHOLE USING PIPE UNDERDRAIN 6-INCH UNPERFORATED (INCIDENTAL TO PIPE UNDERDRAIN ITEMS) (SEE CONSTRUCTION DETAILS FOR PIPE UNDERDRAIN)
- U.E. 881.17'+/- — ELEVATION OF UNDERDRAIN TAP CONNECTION (INCIDENTAL TO PIPE UNDERDRAIN ITEMS) (SEE CONSTRUCTION DETAILS FOR PIPE UNDERDRAIN)

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	UNDERDRAIN PLAN	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0226_PU.DWG
LAYOUT NAME - PU-SHEET10

PLOT DATE : 4/30/2019 1:01 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:50 FT

2



PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	UNDERDRAIN PLAN	SHEET	E

2

N

ALLIANT ENERGY
(ELECTRIC)

ALLIANT ENERGY
(ELECTRIC)

OH

GUY

116'EB'

STH 19

118'EB'

120'EB'

122'EB'

124'EB'

126'EB'

128'EB'

STH 19

130'EB'

T

TDS TELECOM
(COMMUNICATION)

TDS TELECOM
(COMMUNICATION)

CENTURYLINK
(COMMUNICATION)

2

N

ALLIANT ENERGY
(ELECTRIC)

STH 19

130'EB'

132'EB'

134'EB'

136'WB'

136'EB'

138'WB'

138'EB'

140'WB'

140'EB'

142'WB'

142'EB'

144'WB'

144'EB'

STH 19

SLOPE INTERCEPT

CENTURYLINK
(COMMUNICATION)

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	EXISTING UTILITIES	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0230_UT.DWG
LAYOUT NAME - 01

PLOT DATE : 4/30/2019 1:19 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:100 FT

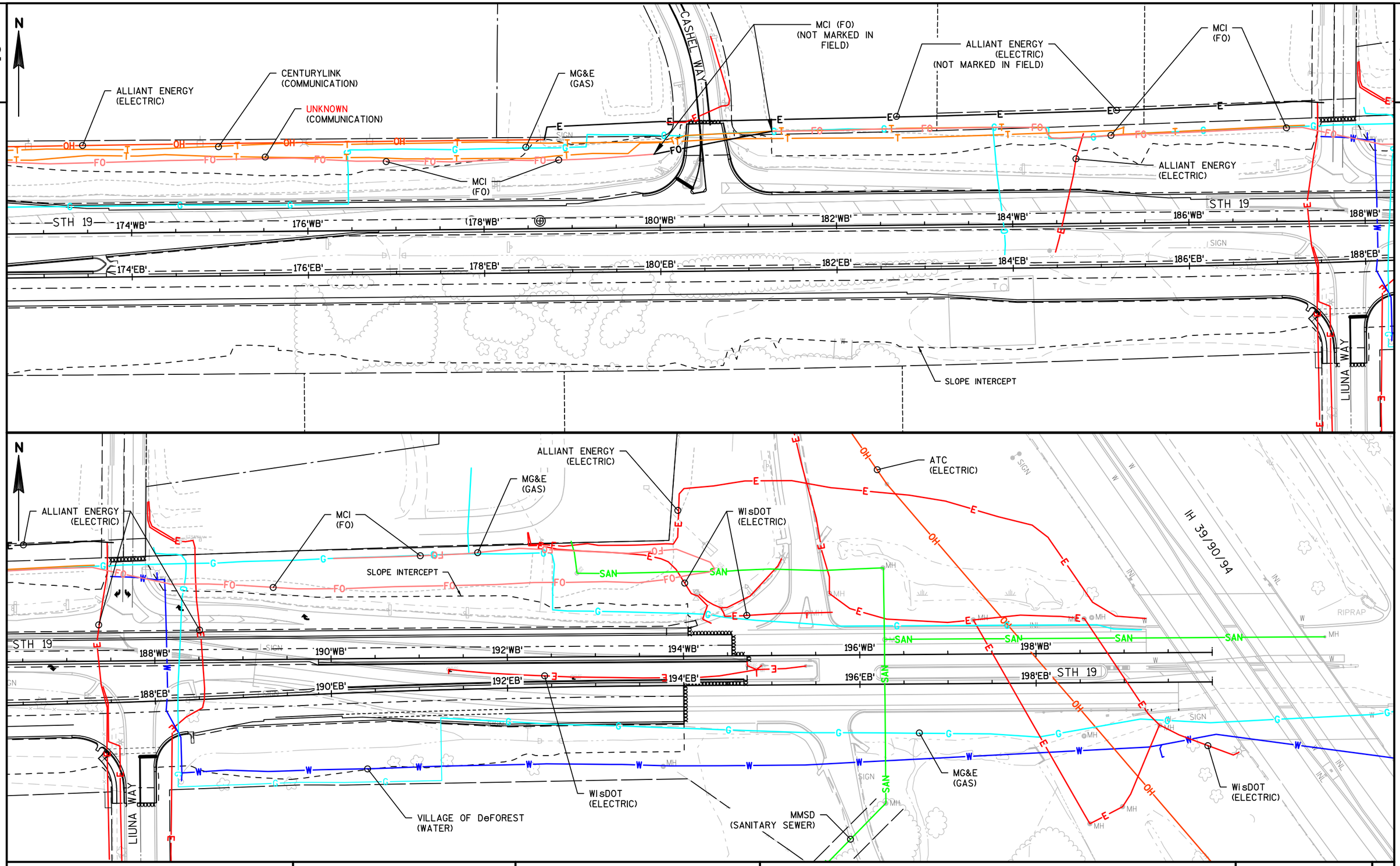
CENTURYLINK (COMMUNICATION & FO)
CHARTER COMMUNICATION
WisDOT (SIGNALS - ELECTRIC)
MCI (FO)
ALLIANT ENERGY (ELECTRIC)
CENTURYLINK (COMMUNICATION)
CHARTER COMMUNICATION (FO)
MG&E (GAS)
MCI (FO) (NOT MARKED IN FIELD)
MMSD (SANITARY SEWER)
MMSD (SANITARY SEWER SERVICE)
VILLAGE OF DEFOREST (SANITARY SEWER)
MCI (FO)
STH 19
RIVER ROAD
RIPRAP
58'RNB'
57'RNB'
55'RNB'
54'RNB'
144'WB'
144'EB'
146'EB'
148'WB'
148'EB'
150'WB'
150'EB'
152'WB'
152'EB'
154'WB'
154'EB'
156'WB'
156'EB'
158'WB'
158'EB'
MG&E (ABANDONED GAS)
MG&E (GAS)
CENTURYLINK (COMMUNICATION & FO)
SLOPE INTERCEPT

2

MMSD (SANITARY SEWER SERVICE)
CHARTER COMMUNICATION (FO)
ALLIANT ENERGY (ELECTRIC)
CENTURYLINK (COMMUNICATION)
MCI (FO)
MG&E (GAS)
CHARTER COMMUNICATION (FO)
CENTURYLINK (COMMUNICATION) (NOT MARKED IN FIELD)
VILLAGE OF DEFOREST (SANITARY SEWER)
TEIRNEY CROSSING
UNKNOWN (COMMUNICATION)
CENTURYLINK (COMMUNICATION)
MCI (FO)
MG&E (GAS)
STH 19
158'WB'
160'WB'
162'WB'
164'WB'
166'WB'
168'WB'
170'WB'
172'WB'
158'EB'
160'EB'
162'EB'
164'EB'
166'EB'
168'EB'
170'EB'
172'EB'
CENTURYLINK (COMMUNICATION & FO)
ALLIANT ENERGY (ELECTRIC)
MG&E (ABANDONED GAS)
SLOPE INTERCEPT
VILLAGE OF DEFOREST (WATER)
VILLAGE OF DEFOREST (SANITARY SEWER)
LIUNA WAY
SIGN

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	EXISTING UTILITIES	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0230_UT.DWG
LAYOUT NAME - 02
PLOT DATE : 4/30/2019 1:19 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:100 FT



PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	EXISTING UTILITIES	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0230_UT.DWG
LAYOUT NAME - 03
PLOT DATE : 4/30/2019 1:19 PM
PLOT BY : KRUEGER, KIRK
PLOT NAME :
PLOT SCALE : 1 IN:100 FT

2

2

N

STH 19

140'EB'

140'WB'

142'EB'

142'WB'

144'EB'

144'WB'

146'EB'

148'EB'

148'WB'

49'RNB'

50'RNB'

52'RNB'

53'RNB'

54'RNB'

55'RNB'

57'RNB'

58'RNB'

59'RNB'

60'RNB'

61'RNB'

62'RNB'

63'RNB'

64'RNB'

RIVER ROAD

RIVER ROAD

ALLIANT ENERGY
(ELECTRIC)

CENTURYLINK
(COMMUNICATION)

CHARTER COMMUNICATION

SLOPE INTERCEPT

CENTURYLINK
(COMMUNICATION & FO)

CHARTER COMMUNICATION

CENTURYLINK
(COMMUNICATION & FO)

CHARTER COMMUNICATION

CENTURYLINK
(COMMUNICATION & FO)

ALLIANT ENERGY
(ELECTRIC)

CENTURYLINK
(COMMUNICATION & FO)

MG&E
(GAS)

MG&E
(GAS)

CHARTER COMMUNICATION (FO)

WisDOT
(SIGNALS - ELECTRIC)

ALLIANT ENERGY
(ELECTRIC)

MG&E
(ABANDONED GAS)

CENTURYLINK
(COMMUNICATION & FO)

CENTURYLINK
(COMMUNICATION)

MG&E
(GAS)

ALLIANT ENERGY
(ELECTRIC)

SEPC

SEPC

SEPC

RIPRAP

RIPRAP

RIPRAP

PROJECT NO:5290-00-72	HWY: STH 19	COUNTY: DANE	EXISTING UTILITIES	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0230_UT.DWG
LAYOUT NAME - 04

PLOT DATE : 4/30/2019 1:20 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

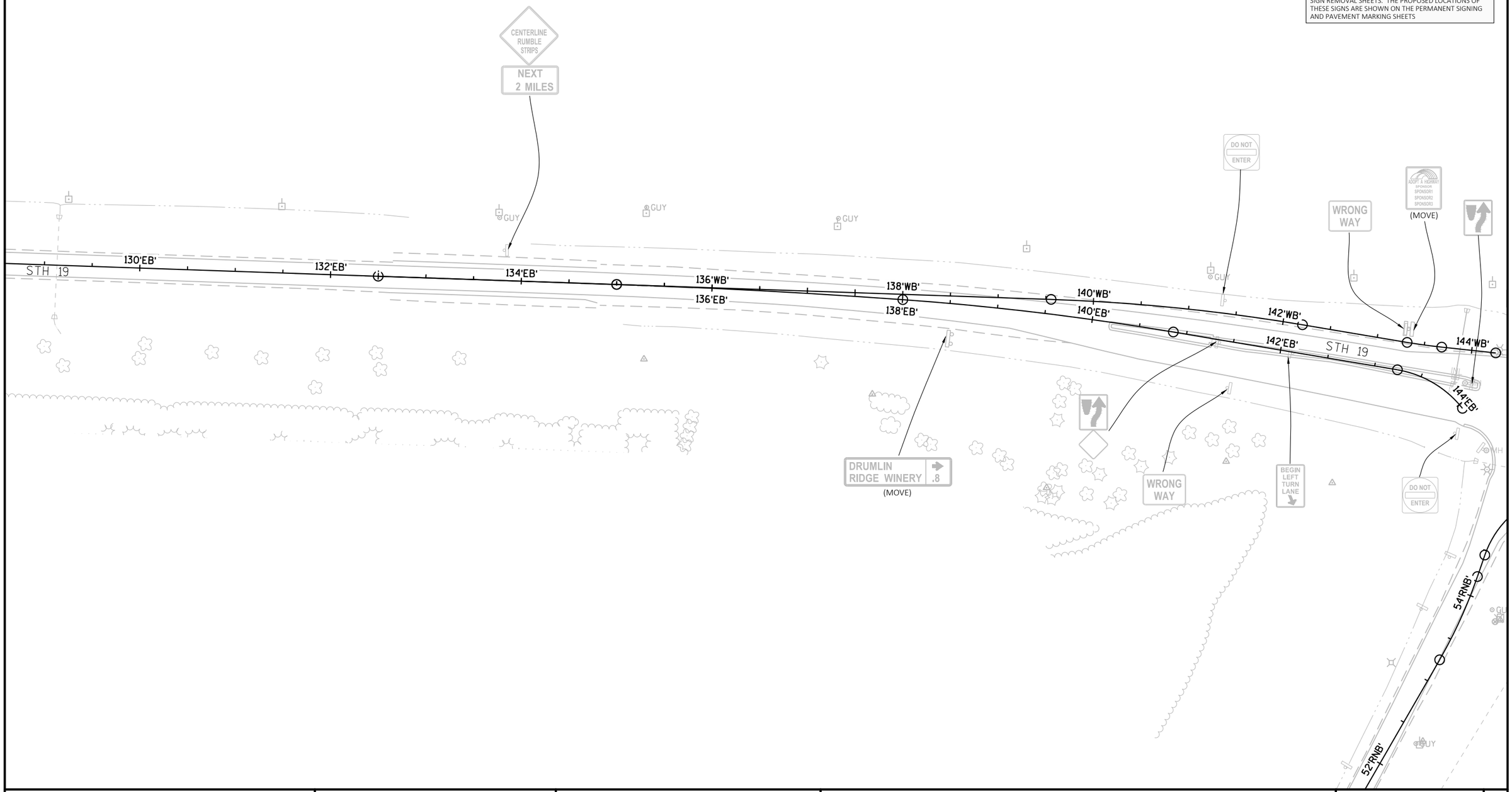
N

LEGEND

- EXISTING SIGN ON SINGLE SUPPORT
- EXISTING SIGN ON DOUBLE SUPPORT
- TWO EXISTING SIGNS ON SINGLE SUPPORT (FACING OPPOSING DIRECTIONS)

NOTES:
REMOVE ALL SIGNS DEPICTED ON THESE SHEETS UNLESS NOTED OTHERWISE.

EXISTING SIGNS TO BE MOVED ARE IDENTIFIED ON THE SIGN REMOVAL SHEETS. THE PROPOSED LOCATIONS OF THESE SIGNS ARE SHOWN ON THE PERMANENT SIGNING AND PAVEMENT MARKING SHEETS



PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	SIGN REMOVALS	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0232A_SIGN REMOV.DWG
LAYOUT NAME - 01
PLOT DATE : 4/22/2019 7:16 AM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : **********

2

2

N

RIVER ROAD

60'RNB'

59'RNB'

58'RNB'

57'RNB'

54'RNB'

52'RNB'

EPED

RIPRAP

144'WB'

144'EB'

STH 19

146'EB'

148'WB'

148'EB'

150'WB'

150'EB'

152'WB'

152'EB'

154'WB'

154'EB'

156'WB'

156'EB'

158'WB'

158'EB'

STH 19

WRONG WAY

DO NOT ENTER

4790

(CONTACT PROPERTY OWNER OR TOWN OF WESTPORT FOR REMOVAL OF FIRE NO. SIGN)

BEGIN LEFT TURN LANE

DRUMLIN RIDGE WINERY .8

(MOVE)

WESTPORT NO ENGINE BRAKING WITHIN TOWN LIMITS

(CONTACT TOWN OF WESTPORT FOR REMOVAL OF SIGNS)

MH

ADOPT A HIGHWAY SPONSOR SPONSOR1 SPONSOR2 SPONSOR3

(MOVE)

WRONG WAY

DO NOT ENTER

DeForest POPULATION 8936

NO PASSING ZONE

LEGEND

- EXISTING SIGN ON SINGLE SUPPORT
- EXISTING SIGN ON DOUBLE SUPPORT
- TWO EXISTING SIGNS ON SINGLE SUPPORT (FACING OPPOSING DIRECTIONS)

NOTES:
REMOVE ALL SIGNS DEPICTED ON THESE SHEETS UNLESS NOTED OTHERWISE.

EXISTING SIGNS TO BE MOVED ARE IDENTIFIED ON THE SIGN REMOVAL SHEETS. THE PROPOSED LOCATIONS OF THESE SIGNS ARE SHOWN ON THE PERMANENT SIGNING AND PAVEMENT MARKING SHEETS

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	SIGN REMOVALS	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0232A_SIGN REMOV.DWG
LAYOUT NAME - 02

PLOT DATE : 4/22/2019 7:16 AM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

N

STH 19

158'WB' 160'WB' 162'WB' 164'WB' 166'WB' 168'WB' 170'WB' 172'WB'

158'EB' 160'EB' 162'EB' 164'EB' 166'EB' 168'EB' 170'EB' 172'EB'

SPEED LIMIT 55

SPEED LIMIT 45

ONE WAY

TO 39 INTERSTATE | TO 90 INTERSTATE | TO 94 INTERSTATE

TRUCK TO 39/90 94 INTERSTATE

LIUNA WAY

STOP

LIUNA WAY

(CONTACT VILLAGE OF DEFOREST FOR REMOVAL OF ROAD NAME SIGN)

NO PARKING ANY TIME

(MOVE)

SPEED LIMIT 25

(MOVE)

SIGN

GUY

MH

WV

SS

N

CASHEL WAY

12+00

11+00

TO 39 INTERSTATE | TO 90 INTERSTATE | TO 94 INTERSTATE

SPEED LIMIT 45

(MOVE D2-1)

Waunakee 6

STOP

(MOVE)

TRUCK TO 39/90 94 INTERSTATE

ONLY

(TO REMAIN)

ONLY

(TO REMAIN)

SPEED LIMIT 25

(TO REMAIN)

NO PARKING ANY TIME

(TO REMAIN)

(MOVE)

(MOVE)

SPEED LIMIT 45

(MOVE)

DO NOT ENTER

WEST 19

(MOVE)

BEGIN RIGHT TURN LANE

STH 19

172'WB' 174'WB' 176'WB' 178'WB' 180'WB' 182'WB' 184'WB' 186'WB'

172'EB' 174'EB' 176'EB' 178'EB' 180'EB' 182'EB' 184'EB' 186'EB'

Cashel Way

LEFT LANE MUST TURN LEFT

SPEED LIMIT 45

JCT 39 INTERSTATE | JCT 90 INTERSTATE | JCT 94 INTERSTATE

(MOVE)

SIGN

LEGEND

- EXISTING SIGN ON SINGLE SUPPORT
- EXISTING SIGN ON DOUBLE SUPPORT
- TWO EXISTING SIGNS ON SINGLE SUPPORT (FACING OPPOSING DIRECTIONS)

NOTES:
REMOVE ALL SIGNS DEPICTED ON THESE SHEETS UNLESS NOTED OTHERWISE.

EXISTING SIGNS TO BE MOVED ARE IDENTIFIED ON THE SIGN REMOVAL SHEETS. THE PROPOSED LOCATIONS OF THESE SIGNS ARE SHOWN ON THE PERMANENT SIGNING AND PAVEMENT MARKING SHEETS

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	SIGN REMOVALS	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0232A_SIGN REMOV.DWG
LAYOUT NAME - 03

PLOT DATE : 4/22/2019 7:16 AM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

N

(TO REMAIN)

(CONTACT PROPERTY OWNER FOR REMOVAL OF SIGN)

(CONTACT PROPERTY OWNER FOR REMOVAL OF SIGNS)

Cashel Way

ONE WAY

STOP

DO NOT ENTER

DO NOT ENTER

BEGIN RIGHT TURN LANE

WRONG WAY

Dalmore Rd

(MOVE SIGN ONLY, WITHOUT TEMPORARY FLAGS)

(TO REMAIN)

LEFT TURN YIELD ON FLASHING YELLOW ARROW

(ON SIGNAL POLE TO REMAIN)

(TO REMAIN)

IH 39/90/94

STH 19

186'WB' 188'WB' 190'WB' 192'WB' 194'WB' 196'WB' 198'WB'

186'EB' 188'EB' 190'EB' 192'EB' 194'EB' 196'EB' 198'EB'

9+00

8+00

LIUNA WAY

(MOVE)

TRUCK TO INTERSTATE 39/90 94

LIUNA WAY

STOP

ONE WAY

(CONTACT VILLAGE OF DEFOREST FOR REMOVAL OF ROAD NAME SIGN)

RAMP CLOSED USE ALT ROUTE

(MOVE R11-54F)

(MOVE SIGN ONLY, WITHOUT TEMPORARY FLAGS)

Sun Prairie

Milwaukee

Janesville

WRONG WAY

(MOVE)

STOP

(ON LIGHT POLE TO REMAIN)

DO NOT ENTER

(ON LIGHT POLE TO REMAIN)

STOP

(TO REMAIN)

(MOVE)

LEGEND

- EXISTING SIGN ON SINGLE SUPPORT
- EXISTING SIGN ON DOUBLE SUPPORT
- TWO EXISTING SIGNS ON SINGLE SUPPORT (FACING OPPOSING DIRECTIONS)

NOTES:
REMOVE ALL SIGNS DEPICTED ON THESE SHEETS UNLESS NOTED OTHERWISE.

EXISTING SIGNS TO BE MOVED ARE IDENTIFIED ON THE SIGN REMOVAL SHEETS. THE PROPOSED LOCATIONS OF THESE SIGNS ARE SHOWN ON THE PERMANENT SIGNING AND PAVEMENT MARKING SHEETS

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	SIGN REMOVALS	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0232A_SIGN REMOV.DWG
LAYOUT NAME - 04

PLOT DATE : 4/22/2019 7:16 AM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : **********

WISDOT/CADDS SHEET 42

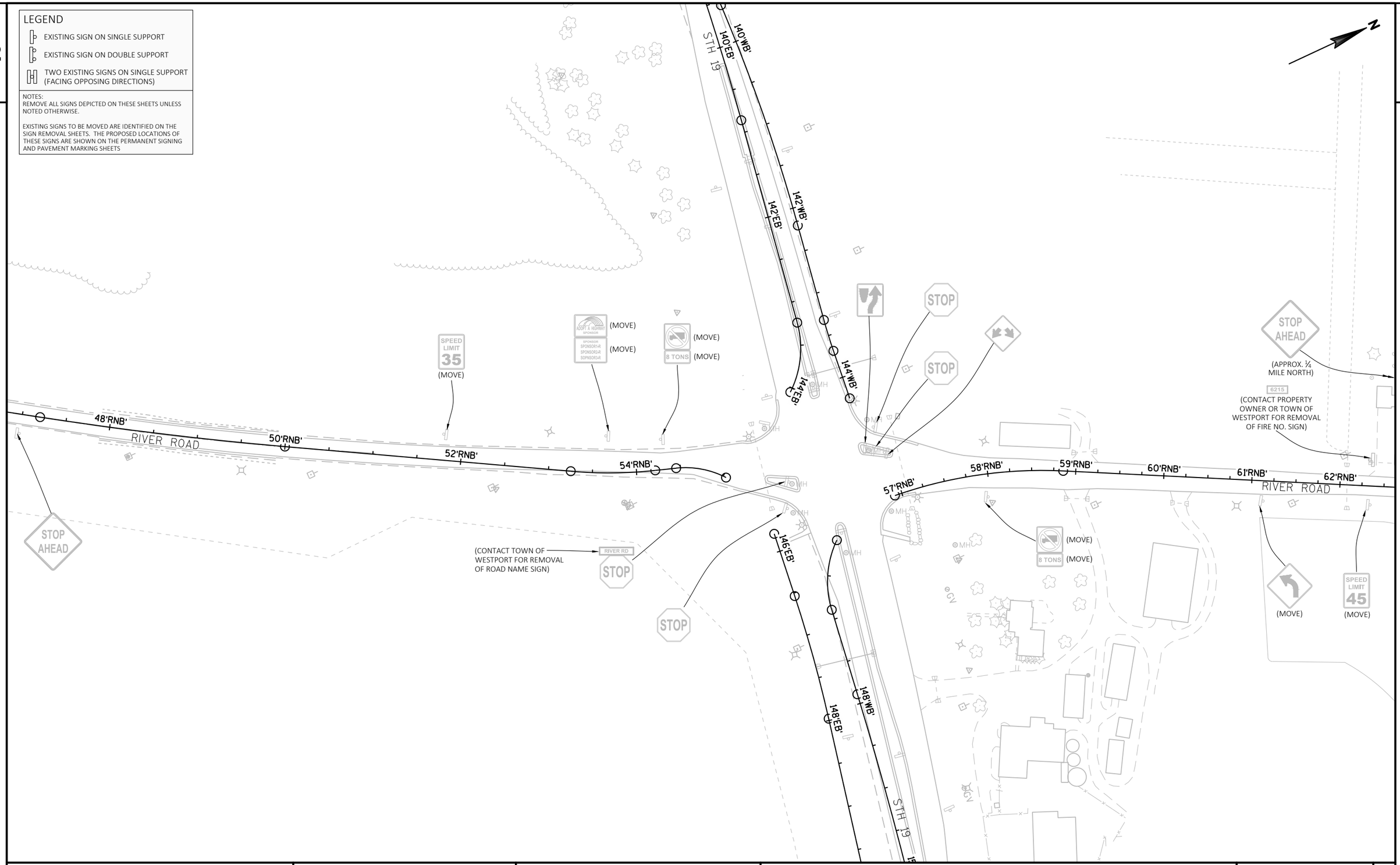
2

LEGEND

- EXISTING SIGN ON SINGLE SUPPORT
- EXISTING SIGN ON DOUBLE SUPPORT
- TWO EXISTING SIGNS ON SINGLE SUPPORT (FACING OPPOSING DIRECTIONS)

NOTES:
REMOVE ALL SIGNS DEPICTED ON THESE SHEETS UNLESS NOTED OTHERWISE.

EXISTING SIGNS TO BE MOVED ARE IDENTIFIED ON THE SIGN REMOVAL SHEETS. THE PROPOSED LOCATIONS OF THESE SIGNS ARE SHOWN ON THE PERMANENT SIGNING AND PAVEMENT MARKING SHEETS



PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	SIGN REMOVALS	SHEET	E

2

LEGEND

- PROPOSED SIGN ON SINGLE/DOUBLE SUPPORT
- TWO PROPOSED SIGNS ON SINGLE SUPPORT (FACING DIFFERENT DIRECTIONS)
- TF-1 — TWO 18" X 18" TEMPORARY FLAGS (INCIDENTAL TO SIGN, TYPE II, REFLECTIVE)
- XX-XX — SIGN NUMBER (CORRESPONDS TO MISCELLANEOUS QUANTITIES)
- M-XX — MOVE EXISTING SIGN NUMBER (CORRESPONDS TO MISCELLANEOUS QUANTITIES)

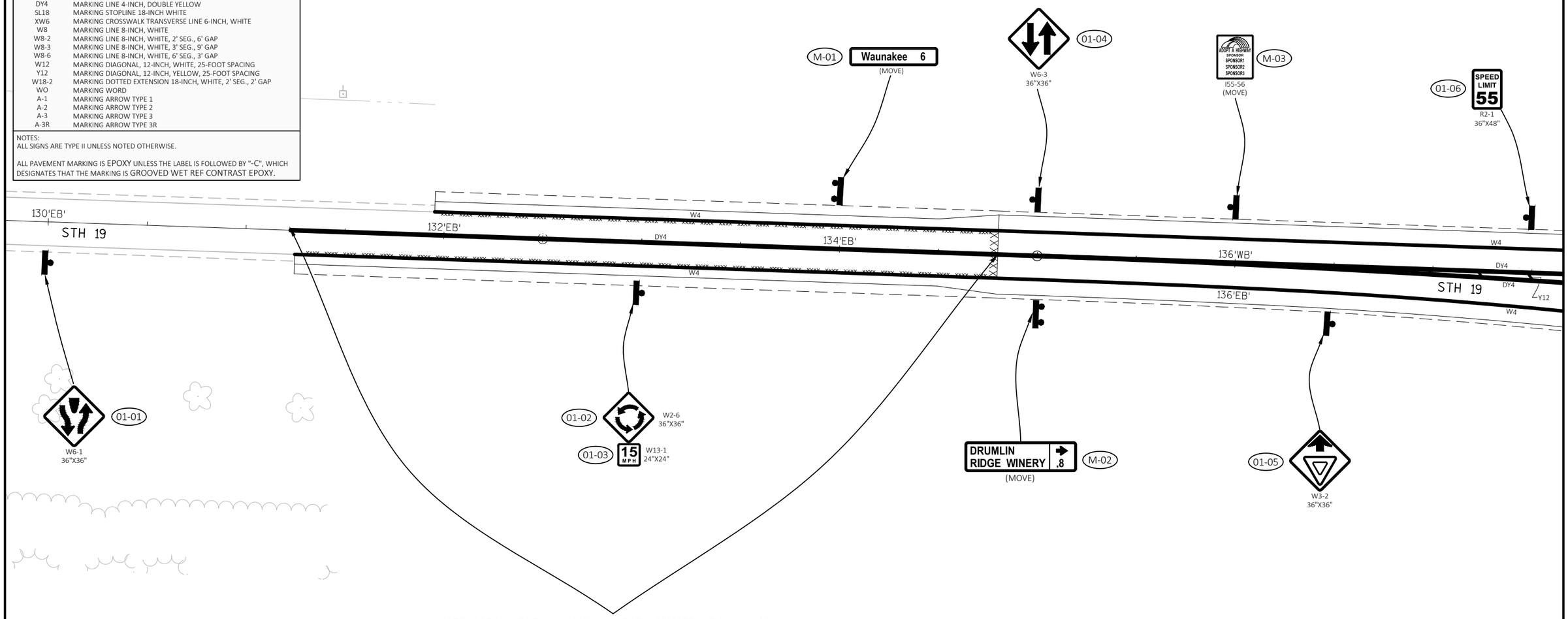
LABEL	DESCRIPTION
CBY	MARKING CURB, YELLOW
INY	MARKING ISLAND NOSE, YELLOW
W4	MARKING LINE 4-INCH, WHITE
W4-3	MARKING LINE 4-INCH, WHITE, 3' SEG., 9' GAP
W4-12.5	MARKING LINE 4-INCH, WHITE, 12.5' SEG., 37.5' GAP
Y4	MARKING LINE 4-INCH, YELLOW
DY4	MARKING LINE 4-INCH, DOUBLE YELLOW
SL18	MARKING STOPLINE 18-INCH WHITE
XW6	MARKING CROSSWALK TRANSVERSE LINE 6-INCH, WHITE
W8	MARKING LINE 8-INCH, WHITE
W8-2	MARKING LINE 8-INCH, WHITE, 2' SEG., 6' GAP
W8-3	MARKING LINE 8-INCH, WHITE, 3' SEG., 9' GAP
W8-6	MARKING LINE 8-INCH, WHITE, 6' SEG., 3' GAP
W12	MARKING DIAGONAL, 12-INCH, WHITE, 25-FOOT SPACING
Y12	MARKING DIAGONAL, 12-INCH, YELLOW, 25-FOOT SPACING
W18-2	MARKING DOTTED EXTENSION 18-INCH, WHITE, 2' SEG., 2' GAP
WO	MARKING WORD
A-1	MARKING ARROW TYPE 1
A-2	MARKING ARROW TYPE 2
A-3	MARKING ARROW TYPE 3
A-3R	MARKING ARROW TYPE 3R

NOTES:
ALL SIGNS ARE TYPE II UNLESS NOTED OTHERWISE.

ALL PAVEMENT MARKING IS EPOXY UNLESS THE LABEL IS FOLLOWED BY "-C", WHICH DESIGNATES THAT THE MARKING IS GROOVED WET REF CONTRAST EPOXY.

N

2



REPLACE PAVEMENT MARKING DUE TO CONSTRUCTION STAGING

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	PERMANENT SIGNING AND PAVEMENT MARKING	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0232B_PS - PM.DWG
LAYOUT NAME - 01
PLOT DATE : 4/30/2019 3:44 PM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : **********

2

N

02-01 DO NOT ENTER
R5-1
36"X36"

02-02 WEST 19
J4-1
24"X36"

02-03
R4-7
24"X30"

02-04
W5-54S
18"X18"

02-09 WRONG WAY
R5-1A
42"X30"

02-10
W6-2
36"X36"

02-11
W4-2R
36"X36"

OVERHEAD SIGN SUPPORT S-13-500 (SEE DETAIL)

STH 19

138'WB'

138'EB'

140'WB'

140'EB'

142'WB'

142'EB'

144'WB'

12'CR'

11'CR'

W4 W4-3 W8-3 W8-6 W8 W12 Y4 DY4 Y12 W18-2 CBY INY A-3R A-3 10' 10'

02-05
R3-8CC
36"X30"
(ON SIGN STRUCTURE)

02-06
TYPE I
(SEE SPECIAL SIGN DETAILS)

02-07
TYPE I
(SEE SPECIAL SIGN DETAILS)

02-08
R3-8CC
36"X30"
(ON SIGN STRUCTURE)

02-12
W4-2R
36"X36"

LEGEND

- PROPOSED SIGN ON SINGLE/DOUBLE SUPPORT
- TWO PROPOSED SIGNS ON SINGLE SUPPORT (FACING DIFFERENT DIRECTIONS)
- TF-1 — TWO 18" X 18" TEMPORARY FLAGS (INCIDENTAL TO SIGN, TYPE II, REFLECTIVE)
- XX-XX — SIGN NUMBER (CORRESPONDS TO MISCELLANEOUS QUANTITIES)
- M-XX — MOVE EXISTING SIGN NUMBER (CORRESPONDS TO MISCELLANEOUS QUANTITIES)

LABEL	DESCRIPTION
CBY	MARKING CURB, YELLOW
INY	MARKING ISLAND NOSE, YELLOW
W4	MARKING LINE 4-INCH, WHITE
W4-3	MARKING LINE 4-INCH, WHITE, 3' SEG., 9' GAP
W4-12.5	MARKING LINE 4-INCH, WHITE, 12.5' SEG., 37.5' GAP
Y4	MARKING LINE 4-INCH, YELLOW
DY4	MARKING LINE 4-INCH, DOUBLE YELLOW
SL18	MARKING STOPLINE 18-INCH WHITE
XW6	MARKING CROSSWALK TRANSVERSE LINE 6-INCH, WHITE
W8	MARKING LINE 8-INCH, WHITE
W8-2	MARKING LINE 8-INCH, WHITE, 2' SEG., 6' GAP
W8-3	MARKING LINE 8-INCH, WHITE, 3' SEG., 9' GAP
W8-6	MARKING LINE 8-INCH, WHITE, 6' SEG., 3' GAP
W12	MARKING DIAGONAL, 12-INCH, WHITE, 25-FOOT SPACING
Y12	MARKING DIAGONAL, 12-INCH, YELLOW, 25-FOOT SPACING
W18-2	MARKING DOTTED EXTENSION 18-INCH, WHITE, 2' SEG., 2' GAP
WO	MARKING WORD
A-1	MARKING ARROW TYPE 1
A-2	MARKING ARROW TYPE 2
A-3	MARKING ARROW TYPE 3
A-3R	MARKING ARROW TYPE 3R

NOTES:
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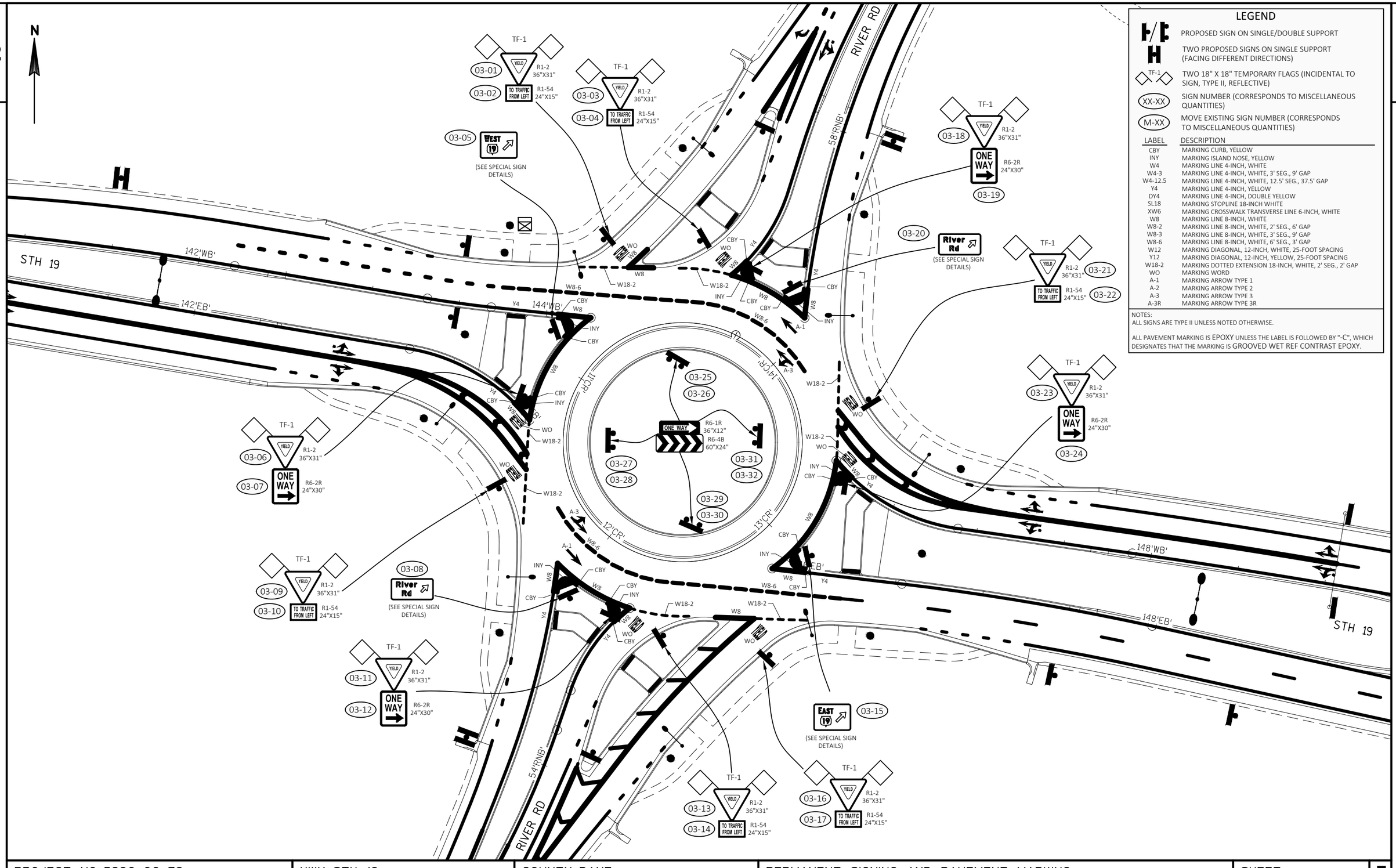
ALL PAVEMENT MARKING IS EPOXY UNLESS THE LABEL IS FOLLOWED BY "-C", WHICH DESIGNATES THAT THE MARKING IS GROOVED WET REF CONTRAST EPOXY.

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	PERMANENT SIGNING AND PAVEMENT MARKING	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0232B_PS - PM.DWG
LAYOUT NAME - 02

PLOT DATE : 4/30/2019 3:45 PM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : **********



LEGEND

P/P	PROPOSED SIGN ON SINGLE/DOUBLE SUPPORT
H	TWO PROPOSED SIGNS ON SINGLE SUPPORT (FACING DIFFERENT DIRECTIONS)
TF-1	TWO 18" X 18" TEMPORARY FLAGS (INCIDENTAL TO SIGN, TYPE II, REFLECTIVE)
XX-XX	SIGN NUMBER (CORRESPONDS TO MISCELLANEOUS QUANTITIES)
M-XX	MOVE EXISTING SIGN NUMBER (CORRESPONDS TO MISCELLANEOUS QUANTITIES)

LABEL	DESCRIPTION
CBY	MARKING CURB, YELLOW
INY	MARKING ISLAND NOSE, YELLOW
W4	MARKING LINE 4-INCH, WHITE
W4-3	MARKING LINE 4-INCH, WHITE, 3' SEG., 9' GAP
W4-12.5	MARKING LINE 4-INCH, WHITE, 12.5' SEG., 37.5' GAP
Y4	MARKING LINE 4-INCH, YELLOW
DY4	MARKING LINE 4-INCH, DOUBLE YELLOW
SL18	MARKING STOPLINE 18-INCH WHITE
XW6	MARKING CROSSWALK TRANSVERSE LINE 6-INCH, WHITE
W8	MARKING LINE 8-INCH, WHITE
W8-2	MARKING LINE 8-INCH, WHITE, 2' SEG., 6' GAP
W8-3	MARKING LINE 8-INCH, WHITE, 3' SEG., 9' GAP
W8-6	MARKING LINE 8-INCH, WHITE, 6' SEG., 3' GAP
W12	MARKING DIAGONAL, 12-INCH, WHITE, 25-FOOT SPACING
Y12	MARKING DIAGONAL, 12-INCH, YELLOW, 25-FOOT SPACING
W18-2	MARKING DOTTED EXTENSION 18-INCH, WHITE, 2' SEG., 2' GAP
WO	MARKING WORD
A-1	MARKING ARROW TYPE 1
A-2	MARKING ARROW TYPE 2
A-3	MARKING ARROW TYPE 3
A-3R	MARKING ARROW TYPE 3R

NOTES:
ALL SIGNS ARE TYPE II UNLESS NOTED OTHERWISE.

ALL PAVEMENT MARKING IS EPOXY UNLESS THE LABEL IS FOLLOWED BY "-C", WHICH DESIGNATES THAT THE MARKING IS GROOVED WET REF CONTRAST EPOXY.

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	PERMANENT SIGNING AND PAVEMENT MARKING	SHEET	E

2

N

04-03

19 WEST
Waunakee
River Rd

TYPE I
(SEE SPECIAL SIGN DETAILS)

04-04

19 WEST
Waunakee
River Rd

TYPE I
(SEE SPECIAL SIGN DETAILS)

04-02

R3-8CC
36"X30"
(ON SIGN STRUCTURE)

04-05

R3-8CC
36"X30"
(ON SIGN STRUCTURE)

.8 DRUMLIN RIDGE WINERY

M-05

(MOVE)

OVERHEAD SIGN SUPPORT S-13-498
(SEE DETAIL)

STH 19

148'WB'

150'WB'

152'WB'

148'EB'

150'EB'

152'EB'

W8 W12 W4-3 W4 W8 A-3 A-3R Y4 W4-12.5-C W8-6

WEST 19

04-01

J4-1
36"X54"

ADOPT A HIGHWAY
SPONSOR
SPONSOR1
SPONSOR2
SPONSOR3

M-04

I55-56
(MOVE)

SPEED LIMIT 45

04-06

W3-5
36"X36"

SPEED LIMIT 45

04-07

W3-5
36"X36"

LEGEND

	PROPOSED SIGN ON SINGLE/DOUBLE SUPPORT
	TWO PROPOSED SIGNS ON SINGLE SUPPORT (FACING DIFFERENT DIRECTIONS)
TF-1	TWO 18" X 18" TEMPORARY FLAGS (INCIDENTAL TO SIGN, TYPE II, REFLECTIVE)
XX-XX	SIGN NUMBER (CORRESPONDS TO MISCELLANEOUS QUANTITIES)
M-XX	MOVE EXISTING SIGN NUMBER (CORRESPONDS TO MISCELLANEOUS QUANTITIES)

LABEL	DESCRIPTION
CBY	MARKING CURB, YELLOW
INY	MARKING ISLAND NOSE, YELLOW
W4	MARKING LINE 4-INCH, WHITE
W4-3	MARKING LINE 4-INCH, WHITE, 3' SEG., 9' GAP
W4-12.5	MARKING LINE 4-INCH, WHITE, 12.5' SEG., 37.5' GAP
Y4	MARKING LINE 4-INCH, YELLOW
DY4	MARKING LINE 4-INCH, DOUBLE YELLOW
SL18	MARKING STOPLINE 18-INCH WHITE
XW6	MARKING CROSSWALK TRANSVERSE LINE 6-INCH, WHITE
W8	MARKING LINE 8-INCH, WHITE
W8-2	MARKING LINE 8-INCH, WHITE, 2' SEG., 6' GAP
W8-3	MARKING LINE 8-INCH, WHITE, 3' SEG., 9' GAP
W8-6	MARKING LINE 8-INCH, WHITE, 6' SEG., 3' GAP
W12	MARKING DIAGONAL, 12-INCH, WHITE, 25-FOOT SPACING
Y12	MARKING DIAGONAL, 12-INCH, YELLOW, 25-FOOT SPACING
W18-2	MARKING DOTTED EXTENSION 18-INCH, WHITE, 2' SEG., 2' GAP
WO	MARKING WORD
A-1	MARKING ARROW TYPE 1
A-2	MARKING ARROW TYPE 2
A-3	MARKING ARROW TYPE 3
A-3R	MARKING ARROW TYPE 3R

NOTES:
ALL SIGNS ARE TYPE II UNLESS NOTED OTHERWISE.

ALL PAVEMENT MARKING IS EPOXY UNLESS THE LABEL IS FOLLOWED BY "-C", WHICH DESIGNATES THAT THE MARKING IS GROOVED WET REF CONTRAST EPOXY.

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	PERMANENT SIGNING AND PAVEMENT MARKING	SHEET	E

2

N

05-01
W3-2
36"X36"

05-02
W3-2
36"X36"

05-03
SPEED LIMIT 45
R2-1
36"X48"

05-04
SPEED LIMIT 45
R2-1
36"X48"

05-05
DeForest
POPULATION 8,936
I2-3
54"X24"

05-06
W2-6
36"X36"
15 MPH
W13-1
24"X24"
05-07

05-08
W2-6
36"X36"
15 MPH
W13-1
24"X24"
05-09

05-10
TF-1
W3-3
36"X36"

05-11
TF-1
W3-3
36"X36"

05-12
BEGIN LEFT TURN LANE
R3-20L
36"X54"

05-13
Tierney Xing
Liuna Way
D1-2
(SEE SPECIAL SIGN DETAILS)

XXX

STH 19

154'WB'
156'WB'
158'WB'
160'WB'
154'EB'
156'EB'
158'EB'
160'EB'

W4
W4-12.5-C
Y4
W8-C
W12

LEGEND

F/D	PROPOSED SIGN ON SINGLE/DOUBLE SUPPORT
H	TWO PROPOSED SIGNS ON SINGLE SUPPORT (FACING DIFFERENT DIRECTIONS)
TF-1	TWO 18" X 18" TEMPORARY FLAGS (INCIDENTAL TO SIGN, TYPE II, REFLECTIVE)
XX-XX	SIGN NUMBER (CORRESPONDS TO MISCELLANEOUS QUANTITIES)
M-XX	MOVE EXISTING SIGN NUMBER (CORRESPONDS TO MISCELLANEOUS QUANTITIES)

LABEL	DESCRIPTION
CBY	MARKING CURB, YELLOW
INY	MARKING ISLAND NOSE, YELLOW
W4	MARKING LINE 4-INCH, WHITE
W4-3	MARKING LINE 4-INCH, WHITE, 3' SEG., 9' GAP
W4-12.5	MARKING LINE 4-INCH, WHITE, 12.5' SEG., 37.5' GAP
Y4	MARKING LINE 4-INCH, YELLOW
DY4	MARKING LINE 4-INCH, DOUBLE YELLOW
SL18	MARKING STOPLINE 18-INCH WHITE
XW6	MARKING CROSSWALK TRANSVERSE LINE 6-INCH, WHITE
W8	MARKING LINE 8-INCH, WHITE
W8-2	MARKING LINE 8-INCH, WHITE, 2' SEG., 6' GAP
W8-3	MARKING LINE 8-INCH, WHITE, 3' SEG., 9' GAP
W8-6	MARKING LINE 8-INCH, WHITE, 6' SEG., 3' GAP
W12	MARKING DIAGONAL, 12-INCH, WHITE, 25-FOOT SPACING
Y12	MARKING DIAGONAL, 12-INCH, YELLOW, 25-FOOT SPACING
W18-2	MARKING DOTTED EXTENSION 18-INCH, WHITE, 2' SEG., 2' GAP
WO	MARKING WORD
A-1	MARKING ARROW TYPE 1
A-2	MARKING ARROW TYPE 2
A-3	MARKING ARROW TYPE 3
A-3R	MARKING ARROW TYPE 3R

NOTES:
ALL SIGNS ARE TYPE II UNLESS NOTED OTHERWISE.

ALL PAVEMENT MARKING IS EPOXY UNLESS THE LABEL IS FOLLOWED BY "-C", WHICH DESIGNATES THAT THE MARKING IS GROOVED WET REF CONTRAST EPOXY.

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	PERMANENT SIGNING AND PAVEMENT MARKING	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0232B_PS - PM.DWG
LAYOUT NAME - 05
PLOT DATE : 4/30/2019 3:45 PM
PLOT BY : MUENCH, DOUGLAS
PLOT NAME :
PLOT SCALE : **********

LEGEND

F/B	PROPOSED SIGN ON SINGLE/DOUBLE SUPPORT
H	TWO PROPOSED SIGNS ON SINGLE SUPPORT (FACING DIFFERENT DIRECTIONS)
TF-1	TWO 18" X 18" TEMPORARY FLAGS (INCIDENTAL TO SIGN, TYPE II, REFLECTIVE)
XX-XX	SIGN NUMBER (CORRESPONDS TO MISCELLANEOUS QUANTITIES)
M-XX	MOVE EXISTING SIGN NUMBER (CORRESPONDS TO MISCELLANEOUS QUANTITIES)

LABEL	DESCRIPTION
CBY	MARKING CURB, YELLOW
INY	MARKING ISLAND NOSE, YELLOW
W4	MARKING LINE 4-INCH, WHITE
W4-3	MARKING LINE 4-INCH, WHITE, 3' SEG., 9' GAP
W4-12.5	MARKING LINE 4-INCH, WHITE, 12.5' SEG., 37.5' GAP
Y4	MARKING LINE 4-INCH, YELLOW
DY4	MARKING LINE 4-INCH, DOUBLE YELLOW
SL18	MARKING STOPLINE 18-INCH WHITE
XW6	MARKING CROSSWALK TRANSVERSE LINE 6-INCH, WHITE
W8	MARKING LINE 8-INCH, WHITE
W8-2	MARKING LINE 8-INCH, WHITE, 2' SEG., 6' GAP
W8-3	MARKING LINE 8-INCH, WHITE, 3' SEG., 9' GAP
W8-6	MARKING LINE 8-INCH, WHITE, 6' SEG., 3' GAP
W12	MARKING DIAGONAL, 12-INCH, WHITE, 25-FOOT SPACING
Y12	MARKING DIAGONAL, 12-INCH, YELLOW, 25-FOOT SPACING
W18-2	MARKING DOTTED EXTENSION 18-INCH, WHITE, 2' SEG., 2' GAP
WO	MARKING WORD
A-1	MARKING ARROW TYPE 1
A-2	MARKING ARROW TYPE 2
A-3	MARKING ARROW TYPE 3
A-3R	MARKING ARROW TYPE 3R

NOTES:
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N

2

2

06-01 W12-1D 24"X24"

06-02 WRONG WAY R5-1A 42"X30"

06-03 WRONG WAY R5-1A 42"X30"

06-04 SPEED LIMIT 55 R2-1 36"X48"

06-05 SPEED LIMIT 55 R2-1 36"X48"

06-06 STOP R1-1F 36"X36" (ON SIGNAL POLE)

06-07 R4-7 36"X48" (ON SIGNAL POLE)

06-08 STOP R1-1F 36"X36" (ON SIGNAL POLE)

06-09 STOP R1-1F 36"X36" (ON SIGNAL POLE)

06-10 DO NOT ENTER R5-1 36"X36" (ON SIGNAL POLE)

06-11 DO NOT ENTER R5-1 36"X36" (ON SIGNAL POLE)

STH 19

TIERNEY CROSSING

LIUNA WAY

304'TCS'

45'

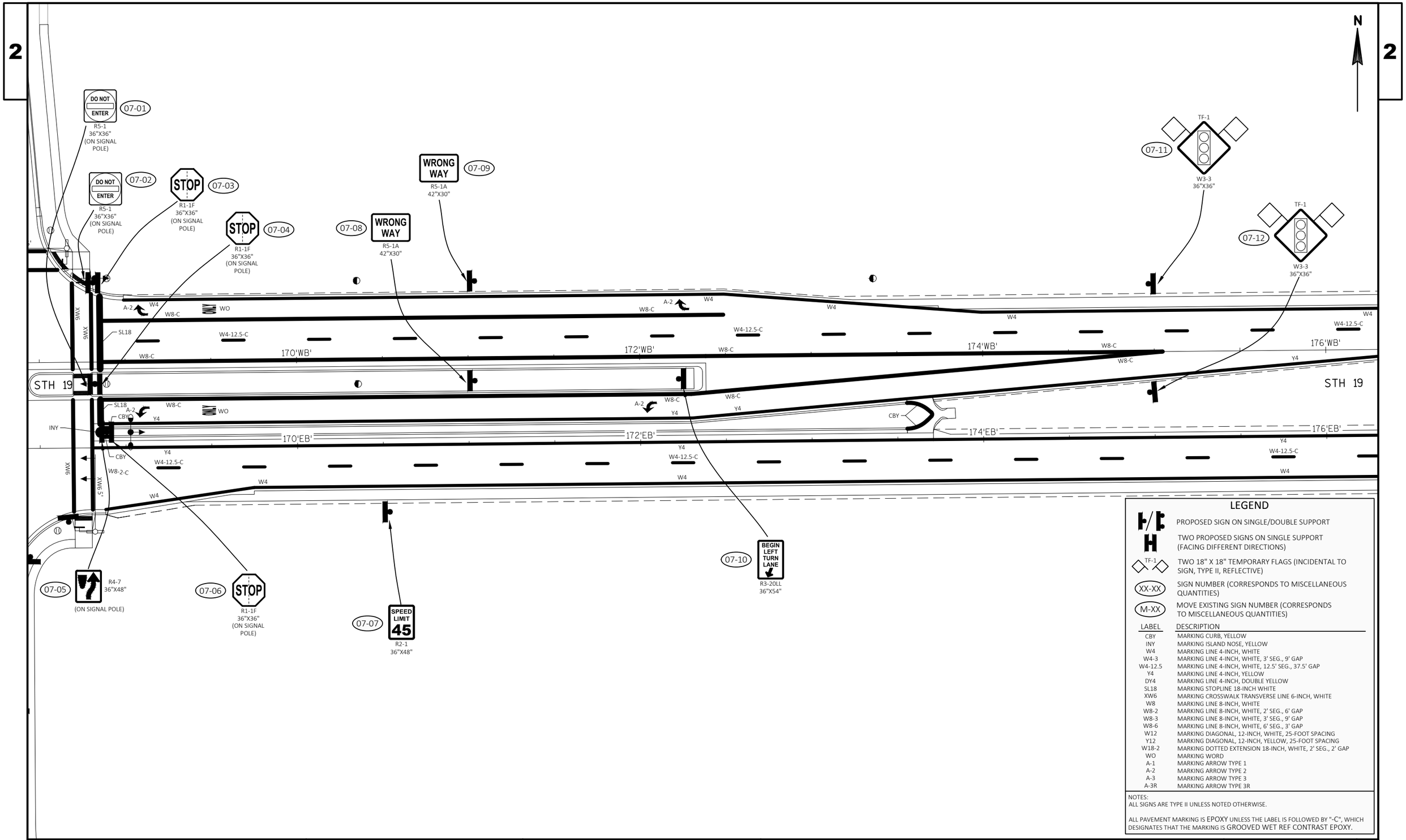
40'

W4 W4-12.5-C Y4 W8-C W12 A2 WO SL18 CBY INY

162'WB' 164'WB' 166'WB' 168'WB'

162'EB' 164'EB' 166'EB' 168'EB'

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	PERMANENT SIGNING AND PAVEMENT MARKING	SHEET E



LEGEND

F/D	PROPOSED SIGN ON SINGLE/DOUBLE SUPPORT
H	TWO PROPOSED SIGNS ON SINGLE SUPPORT (FACING DIFFERENT DIRECTIONS)
TF-1	TWO 18" X 18" TEMPORARY FLAGS (INCIDENTAL TO SIGN, TYPE II, REFLECTIVE)
XX-XX	SIGN NUMBER (CORRESPONDS TO MISCELLANEOUS QUANTITIES)
M-XX	MOVE EXISTING SIGN NUMBER (CORRESPONDS TO MISCELLANEOUS QUANTITIES)

LABEL	DESCRIPTION
CBY	MARKING CURB, YELLOW
INY	MARKING ISLAND NOSE, YELLOW
W4	MARKING LINE 4-INCH, WHITE
W4-3	MARKING LINE 4-INCH, WHITE, 3' SEG., 9' GAP
W4-12.5	MARKING LINE 4-INCH, WHITE, 12.5' SEG., 37.5' GAP
Y4	MARKING LINE 4-INCH, YELLOW
DY4	MARKING LINE 4-INCH, DOUBLE YELLOW
SL18	MARKING STOPLINE 18-INCH WHITE
XW6	MARKING CROSSWALK TRANSVERSE LINE 6-INCH, WHITE
W8	MARKING LINE 8-INCH, WHITE
W8-2	MARKING LINE 8-INCH, WHITE, 2' SEG., 6' GAP
W8-3	MARKING LINE 8-INCH, WHITE, 3' SEG., 9' GAP
W8-6	MARKING LINE 8-INCH, WHITE, 6' SEG., 3' GAP
W12	MARKING DIAGONAL, 12-INCH, WHITE, 25-FOOT SPACING
Y12	MARKING DIAGONAL, 12-INCH, YELLOW, 25-FOOT SPACING
W18-2	MARKING DOTTED EXTENSION 18-INCH, WHITE, 2' SEG., 2' GAP
WO	MARKING WORD
A-1	MARKING ARROW TYPE 1
A-2	MARKING ARROW TYPE 2
A-3	MARKING ARROW TYPE 3
A-3R	MARKING ARROW TYPE 3R

NOTES:
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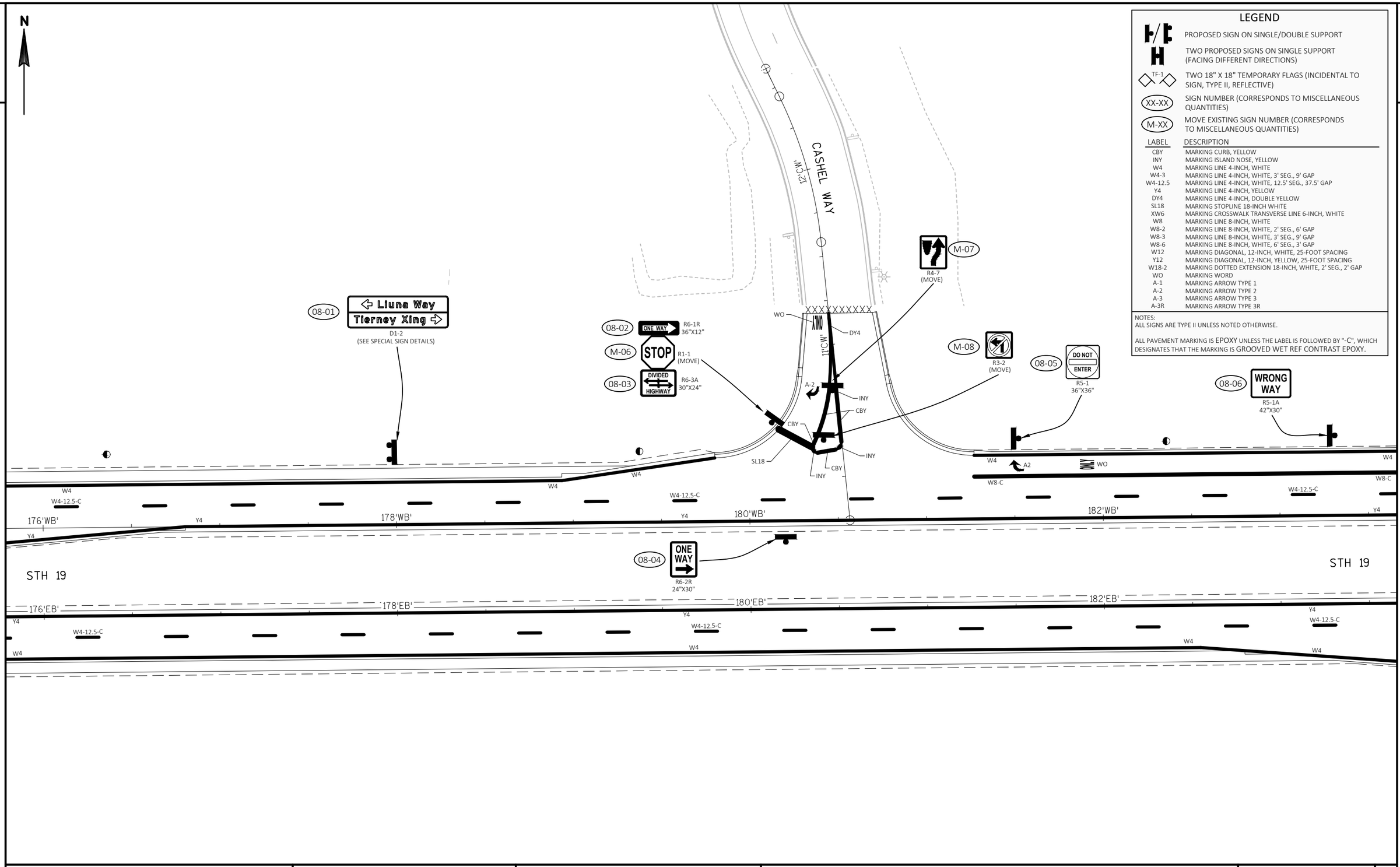
PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	PERMANENT SIGNING AND PAVEMENT MARKING	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0232B_PS - PM.DWG
LAYOUT NAME - 07
PLOT DATE : 4/30/2019 3:45 PM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : **********



LEGEND

	PROPOSED SIGN ON SINGLE/DOUBLE SUPPORT
	TWO PROPOSED SIGNS ON SINGLE SUPPORT (FACING DIFFERENT DIRECTIONS)
TF-1	TWO 18" X 18" TEMPORARY FLAGS (INCIDENTAL TO SIGN, TYPE II, REFLECTIVE)
XX-XX	SIGN NUMBER (CORRESPONDS TO MISCELLANEOUS QUANTITIES)
M-XX	MOVE EXISTING SIGN NUMBER (CORRESPONDS TO MISCELLANEOUS QUANTITIES)

LABEL	DESCRIPTION
CBY	MARKING CURB, YELLOW
INY	MARKING ISLAND NOSE, YELLOW
W4	MARKING LINE 4-INCH, WHITE
W4-3	MARKING LINE 4-INCH, WHITE, 3' SEG., 9' GAP
W4-12.5	MARKING LINE 4-INCH, WHITE, 12.5' SEG., 37.5' GAP
Y4	MARKING LINE 4-INCH, YELLOW
DY4	MARKING LINE 4-INCH, DOUBLE YELLOW
SL18	MARKING STOPLINE 18-INCH WHITE
XW6	MARKING CROSSWALK TRANSVERSE LINE 6-INCH, WHITE
W8	MARKING LINE 8-INCH, WHITE
W8-2	MARKING LINE 8-INCH, WHITE, 2' SEG., 6' GAP
W8-3	MARKING LINE 8-INCH, WHITE, 3' SEG., 9' GAP
W8-6	MARKING LINE 8-INCH, WHITE, 6' SEG., 3' GAP
W12	MARKING DIAGONAL, 12-INCH, WHITE, 25-FOOT SPACING
Y12	MARKING DIAGONAL, 12-INCH, YELLOW, 25-FOOT SPACING
W18-2	MARKING DOTTED EXTENSION 18-INCH, WHITE, 2' SEG., 2' GAP
WO	MARKING WORD
A-1	MARKING ARROW TYPE 1
A-2	MARKING ARROW TYPE 2
A-3	MARKING ARROW TYPE 3
A-3R	MARKING ARROW TYPE 3R

NOTES:
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PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	PERMANENT SIGNING AND PAVEMENT MARKING	SHEET	E

2

N

LEGEND

P/D	PROPOSED SIGN ON SINGLE/DOUBLE SUPPORT
H	TWO PROPOSED SIGNS ON SINGLE SUPPORT (FACING DIFFERENT DIRECTIONS)
TF-1	TWO 18" X 18" TEMPORARY FLAGS (INCIDENTAL TO SIGN, TYPE II, REFLECTIVE)
XX-XX	SIGN NUMBER (CORRESPONDS TO MISCELLANEOUS QUANTITIES)
M-XX	MOVE EXISTING SIGN NUMBER (CORRESPONDS TO MISCELLANEOUS QUANTITIES)

LABEL	DESCRIPTION
CBY	MARKING CURB, YELLOW
INY	MARKING ISLAND NOSE, YELLOW
W4	MARKING LINE 4-INCH, WHITE
W4-3	MARKING LINE 4-INCH, WHITE, 3' SEG., 9' GAP
W4-12.5	MARKING LINE 4-INCH, WHITE, 12.5' SEG., 37.5' GAP
Y4	MARKING LINE 4-INCH, YELLOW
DY4	MARKING LINE 4-INCH, DOUBLE YELLOW
SL18	MARKING STOPLINE 18-INCH WHITE
XW6	MARKING CROSSWALK TRANSVERSE LINE 6-INCH, WHITE
W8	MARKING LINE 8-INCH, WHITE
W8-2	MARKING LINE 8-INCH, WHITE, 2' SEG., 6' GAP
W8-3	MARKING LINE 8-INCH, WHITE, 3' SEG., 9' GAP
W8-6	MARKING LINE 8-INCH, WHITE, 6' SEG., 3' GAP
W12	MARKING DIAGONAL, 12-INCH, WHITE, 25-FOOT SPACING
Y12	MARKING DIAGONAL, 12-INCH, YELLOW, 25-FOOT SPACING
W18-2	MARKING DOTTED EXTENSION 18-INCH, WHITE, 2' SEG., 2' GAP
WO	MARKING WORD
A-1	MARKING ARROW TYPE 1
A-2	MARKING ARROW TYPE 2
A-3	MARKING ARROW TYPE 3
A-3R	MARKING ARROW TYPE 3R

NOTES:
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09-12 — 19 EAST / Sun Prairie / AHEAD — D1-70 (SEE SPECIAL SIGN DETAILS)

09-06 — Cashel Way — D1-1 (SEE SPECIAL SIGN DETAILS)

M-11 — SPEED LIMIT 45 — (MOVE)

09-07 — ONE WAY — R6-2R 24"x30"

09-01 — JCT 39 JCT 90 JCT 94 — J1-3 72"X39"

09-02 — WRONG WAY — R5-1A 42"X30"

09-03 — NORTH 39 WEST 90 WEST 94 / KEEP LEFT — D1-70 (SEE SPECIAL SIGN DETAILS)

09-04 — SOUTH 39 EAST 90 EAST 94 / SECOND RIGHT — D1-70 (SEE SPECIAL SIGN DETAILS)

09-05 — DO NOT ENTER — R5-1 36"X36"

M-09 — JCT 39 JCT 90 JCT 94 — J1-3 (MOVE)

M-10 — RAMP CLOSED / USE / ALT ROUTE — (MOVE)

09-08 — ONE WAY — R6-1R 36"X12"

09-09 — STOP — R1-1 36"x36"

09-10 — DIVIDED HIGHWAY — R6-3A 30"X24"

M-12 — ONLY — (MOVE)

STH 19

184'WB' 186'WB' 188'WB' 190'WB'

184'EB' 186'EB' 188'EB' 190'EB'

LIUNA WAY

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	PERMANENT SIGNING AND PAVEMENT MARKING	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0232B_PS - PM.DWG
LAYOUT NAME - 09
PLOT DATE : 4/30/2019 3:46 PM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : **********

2

N

IH 39/90/94 OFF-RAMP

WEST 19 M-15 (MOVE)

W3-3 (MOVE) M-13

REPLACE PAVEMENT MARKING
OUTSIDE RECONSTRUCTION LIMITS
DUE TO CONSTRUCTION STAGING

NORTH WEST WEST 39 90 94 (EXISTING SIGN TO REMAIN)

10-02

SOUTH EAST EAST 39 90 94 Madison

D1-70
(SEE SPECIAL SIGN DETAILS)
(MOUNT ON BACK OF EXISTING SIGN)

W4 W4-12.5-C Y4 192'WB' 194'WB' 196'WB' 198'WB'

STH 19

192'EB' 194'EB' 196'EB' 198'EB'

W4-3-C W8-3-C W4-C W8-C A-2 WO W8-C SL18

W3-3 (MOVE) M-14

WRONG WAY M-16 (MOVE)

10-01

NORTH WEST WEST 39 90 94 Wis Dells

SOUTH EAST EAST 39 90 94 Madison

D1-71
(SEE SPECIAL SIGN DETAILS)

SOUTH EAST EAST 39 90 94 (MOVE) M-17

IH 39/90/94 ON-RAMP

LEGEND

F/D	PROPOSED SIGN ON SINGLE/DOUBLE SUPPORT
H	TWO PROPOSED SIGNS ON SINGLE SUPPORT (FACING DIFFERENT DIRECTIONS)
TF-1	TWO 18" X 18" TEMPORARY FLAGS (INCIDENTAL TO SIGN, TYPE II, REFLECTIVE)
XX-XX	SIGN NUMBER (CORRESPONDS TO MISCELLANEOUS QUANTITIES)
M-XX	MOVE EXISTING SIGN NUMBER (CORRESPONDS TO MISCELLANEOUS QUANTITIES)

LABEL	DESCRIPTION
CBY	MARKING CURB, YELLOW
INY	MARKING ISLAND NOSE, YELLOW
W4	MARKING LINE 4-INCH, WHITE
W4-3	MARKING LINE 4-INCH, WHITE, 3' SEG., 9' GAP
W4-12.5	MARKING LINE 4-INCH, WHITE, 12.5' SEG., 37.5' GAP
Y4	MARKING LINE 4-INCH, YELLOW
DY4	MARKING LINE 4-INCH, DOUBLE YELLOW
SL18	MARKING STOPLINE 18-INCH WHITE
XW6	MARKING CROSSWALK TRANSVERSE LINE 6-INCH, WHITE
W8	MARKING LINE 8-INCH, WHITE
W8-2	MARKING LINE 8-INCH, WHITE, 2' SEG., 6' GAP
W8-3	MARKING LINE 8-INCH, WHITE, 3' SEG., 9' GAP
W8-6	MARKING LINE 8-INCH, WHITE, 6' SEG., 3' GAP
W12	MARKING DIAGONAL, 12-INCH, WHITE, 25-FOOT SPACING
Y12	MARKING DIAGONAL, 12-INCH, YELLOW, 25-FOOT SPACING
W18-2	MARKING DOTTED EXTENSION 18-INCH, WHITE, 2' SEG., 2' GAP
WO	MARKING WORD
A-1	MARKING ARROW TYPE 1
A-2	MARKING ARROW TYPE 2
A-3	MARKING ARROW TYPE 3
A-3R	MARKING ARROW TYPE 3R

NOTES:
ALL SIGNS ARE TYPE II UNLESS NOTED OTHERWISE.

ALL PAVEMENT MARKING IS EPOXY UNLESS THE LABEL IS FOLLOWED BY "-C", WHICH DESIGNATES THAT THE MARKING IS GROOVED WET REF CONTRAST EPOXY.

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	PERMANENT SIGNING AND PAVEMENT MARKING	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0232B_PS - PM.DWG
LAYOUT NAME - 10

PLOT DATE : 4/30/2019 3:46 PM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : **********

2

REPLACE PAVEMENT MARKING
OUTSIDE RECONSTRUCTION LIMITS
DUE TO CONSTRUCTION STAGING

IH 39/90/94 WB

IH 39/90/94 ON-RAMP

RIPRAP

RIPRAP

RIPRAP

198+80'WB'

W4

W4

W4-12.5-C

W4-12.5-C

W8-C

198'WB'

W8-C

STH 19

199+55'WB'

198'EB'

STH 19 WB

STH 19 EB

IH 39/90/94 EB

N

CANADIAN NATIONAL RAILROAD

NOTE:
APPROXIMATELY 600 FEET OF WESTBOUND STH 19 SKIP DASH PAVEMENT MARKING LOCATED BETWEEN THE IH 39/90/94 WB OFF RAMP AND PEPSI WAY WILL BE REMOVED DUE TO CONSTRUCTION STAGING. REPLACE REMOVED PAVEMENT MARKING WITH W4-12.5-C.

STH 19 WB

W8-2-C

REPLACE PAVEMENT MARKING
OUTSIDE RECONSTRUCTION LIMITS
DUE TO CONSTRUCTION STAGING

STH 19 EB

IH 39/90/94
OFF-RAMP

LEGEND

F/B H	PROPOSED SIGN ON SINGLE/DOUBLE SUPPORT
	TWO PROPOSED SIGNS ON SINGLE SUPPORT (FACING DIFFERENT DIRECTIONS)
TF-1	TWO 18" X 18" TEMPORARY FLAGS (INCIDENTAL TO SIGN, TYPE II, REFLECTIVE)
XX-XX	SIGN NUMBER (CORRESPONDS TO MISCELLANEOUS QUANTITIES)
M-XX	MOVE EXISTING SIGN NUMBER (CORRESPONDS TO MISCELLANEOUS QUANTITIES)

LABEL	DESCRIPTION
CBY	MARKING CURB, YELLOW
INY	MARKING ISLAND NOSE, YELLOW
W4	MARKING LINE 4-INCH, WHITE
W4-3	MARKING LINE 4-INCH, WHITE, 3' SEG., 9' GAP
W4-12.5	MARKING LINE 4-INCH, WHITE, 12.5' SEG., 37.5' GAP
Y4	MARKING LINE 4-INCH, YELLOW
DY4	MARKING LINE 4-INCH, DOUBLE YELLOW
SL18	MARKING STOPLINE 18-INCH WHITE
XW6	MARKING CROSSWALK TRANSVERSE LINE 6-INCH, WHITE
W8	MARKING LINE 8-INCH, WHITE
W8-2	MARKING LINE 8-INCH, WHITE, 2' SEG., 6' GAP
W8-3	MARKING LINE 8-INCH, WHITE, 3' SEG., 9' GAP
W8-6	MARKING LINE 8-INCH, WHITE, 6' SEG., 3' GAP
W12	MARKING DIAGONAL, 12-INCH, WHITE, 25-FOOT SPACING
Y12	MARKING DIAGONAL, 12-INCH, YELLOW, 25-FOOT SPACING
W18-2	MARKING DOTTED EXTENSION 18-INCH, WHITE, 2' SEG., 2' GAP
WO	MARKING WORD
A-1	MARKING ARROW TYPE 1
A-2	MARKING ARROW TYPE 2
A-3	MARKING ARROW TYPE 3
A-3R	MARKING ARROW TYPE 3R

NOTES:
ALL SIGNS ARE TYPE II UNLESS NOTED OTHERWISE.

ALL PAVEMENT MARKING IS EPOXY UNLESS THE LABEL IS FOLLOWED BY "-C", WHICH DESIGNATES THAT THE MARKING IS GROOVED WET REF CONTRAST EPOXY.

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	PERMANENT SIGNING AND PAVEMENT MARKING	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0232B_PS - PM.DWG
LAYOUT NAME - 11

PLOT DATE : 4/30/2019 3:46 PM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : **********

LEGEND

	PROPOSED SIGN ON SINGLE/DOUBLE SUPPORT
	TWO PROPOSED SIGNS ON SINGLE SUPPORT (FACING DIFFERENT DIRECTIONS)
TF-1	TWO 18" X 18" TEMPORARY FLAGS (INCIDENTAL TO SIGN, TYPE II, REFLECTIVE)
XX-XX	SIGN NUMBER (CORRESPONDS TO MISCELLANEOUS QUANTITIES)
M-XX	MOVE EXISTING SIGN NUMBER (CORRESPONDS TO MISCELLANEOUS QUANTITIES)

LABEL	DESCRIPTION
CBY	MARKING CURB, YELLOW
INY	MARKING ISLAND NOSE, YELLOW
W4	MARKING LINE 4-INCH, WHITE
W4-3	MARKING LINE 4-INCH, WHITE, 3' SEG., 9' GAP
W4-12.5	MARKING LINE 4-INCH, WHITE, 12.5' SEG., 37.5' GAP
Y4	MARKING LINE 4-INCH, YELLOW
DY4	MARKING LINE 4-INCH, DOUBLE YELLOW
SL18	MARKING STOPLINE 18-INCH WHITE
XW6	MARKING CROSSWALK TRANSVERSE LINE 6-INCH, WHITE
W8	MARKING LINE 8-INCH, WHITE
W8-2	MARKING LINE 8-INCH, WHITE, 2' SEG., 6' GAP
W8-3	MARKING LINE 8-INCH, WHITE, 3' SEG., 9' GAP
W8-6	MARKING LINE 8-INCH, WHITE, 6' SEG., 3' GAP
W12	MARKING DIAGONAL, 12-INCH, WHITE, 25-FOOT SPACING
Y12	MARKING DIAGONAL, 12-INCH, YELLOW, 25-FOOT SPACING
W18-2	MARKING DOTTED EXTENSION 18-INCH, WHITE, 2' SEG., 2' GAP
WO	MARKING WORD
A-1	MARKING ARROW TYPE 1
A-2	MARKING ARROW TYPE 2
A-3	MARKING ARROW TYPE 3
A-3R	MARKING ARROW TYPE 3R

NOTES:
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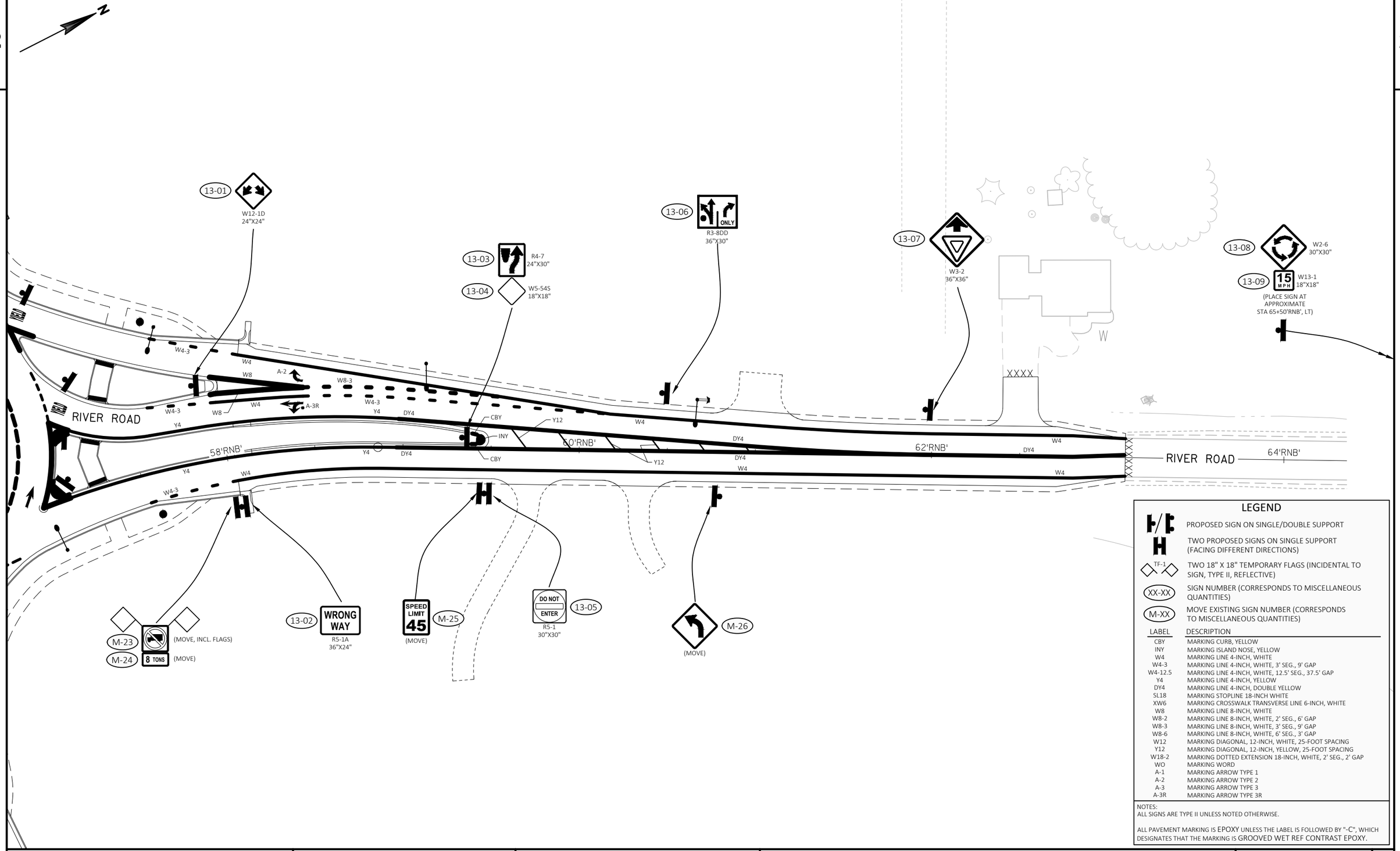
ALL PAVEMENT MARKING IS EPOXY UNLESS THE LABEL IS FOLLOWED BY "-C", WHICH DESIGNATES THAT THE MARKING IS GROOVED WET REF CONTRAST EPOXY.

46'RNB'
RIVER ROAD
48'RNB'
50'RNB'
52'RNB'
54'RNB'
W4
DY4
Y4
Y12
INY
CBY
W4-3
W8
W8-3
W12
A-2
A-3R
REPLACE PAVEMENT MARKING DUE TO CONSTRUCTION STAGING
12-01 W2-6 30"X30"
12-02 15 MPH W13-1 18"X18"
(MOVE) M-18
(MOVE) M-19
12-05 DO NOT ENTER R5-1 30"X30"
M-20 SPEED LIMIT 35 (MOVE)
12-08 WRONG WAY R5-1A 36"X24"
M-21 (MOVE, INCL. FLAGS)
M-22 8 TONS (MOVE)
12-03 W3-2 36"X36"
12-04 ONLY R3-8DD 36"X30"
12-06 R4-7 24"X30"
12-07 W5-54S 18"X18"
12-09 W12-1D 24"X24"

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	PERMANENT SIGNING AND PAVEMENT MARKING	SHEET	E

2



LEGEND

- PROPOSED SIGN ON SINGLE/DOUBLE SUPPORT
- TWO PROPOSED SIGNS ON SINGLE SUPPORT (FACING DIFFERENT DIRECTIONS)
- TF-1 — TWO 18" X 18" TEMPORARY FLAGS (INCIDENTAL TO SIGN, TYPE II, REFLECTIVE)
- XX-XX — SIGN NUMBER (CORRESPONDS TO MISCELLANEOUS QUANTITIES)
- M-XX — MOVE EXISTING SIGN NUMBER (CORRESPONDS TO MISCELLANEOUS QUANTITIES)

LABEL	DESCRIPTION
CBY	MARKING CURB, YELLOW
INY	MARKING ISLAND NOSE, YELLOW
W4	MARKING LINE 4-INCH, WHITE
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SL18	MARKING STOPLINE 18-INCH WHITE
XW6	MARKING CROSSWALK TRANSVERSE LINE 6-INCH, WHITE
W8	MARKING LINE 8-INCH, WHITE
W8-2	MARKING LINE 8-INCH, WHITE, 2' SEG., 6' GAP
W8-3	MARKING LINE 8-INCH, WHITE, 3' SEG., 9' GAP
W8-6	MARKING LINE 8-INCH, WHITE, 6' SEG., 3' GAP
W12	MARKING DIAGONAL, 12-INCH, WHITE, 25-FOOT SPACING
Y12	MARKING DIAGONAL, 12-INCH, YELLOW, 25-FOOT SPACING
W18-2	MARKING DOTTED EXTENSION 18-INCH, WHITE, 2' SEG., 2' GAP
WO	MARKING WORD
A-1	MARKING ARROW TYPE 1
A-2	MARKING ARROW TYPE 2
A-3	MARKING ARROW TYPE 3
A-3R	MARKING ARROW TYPE 3R

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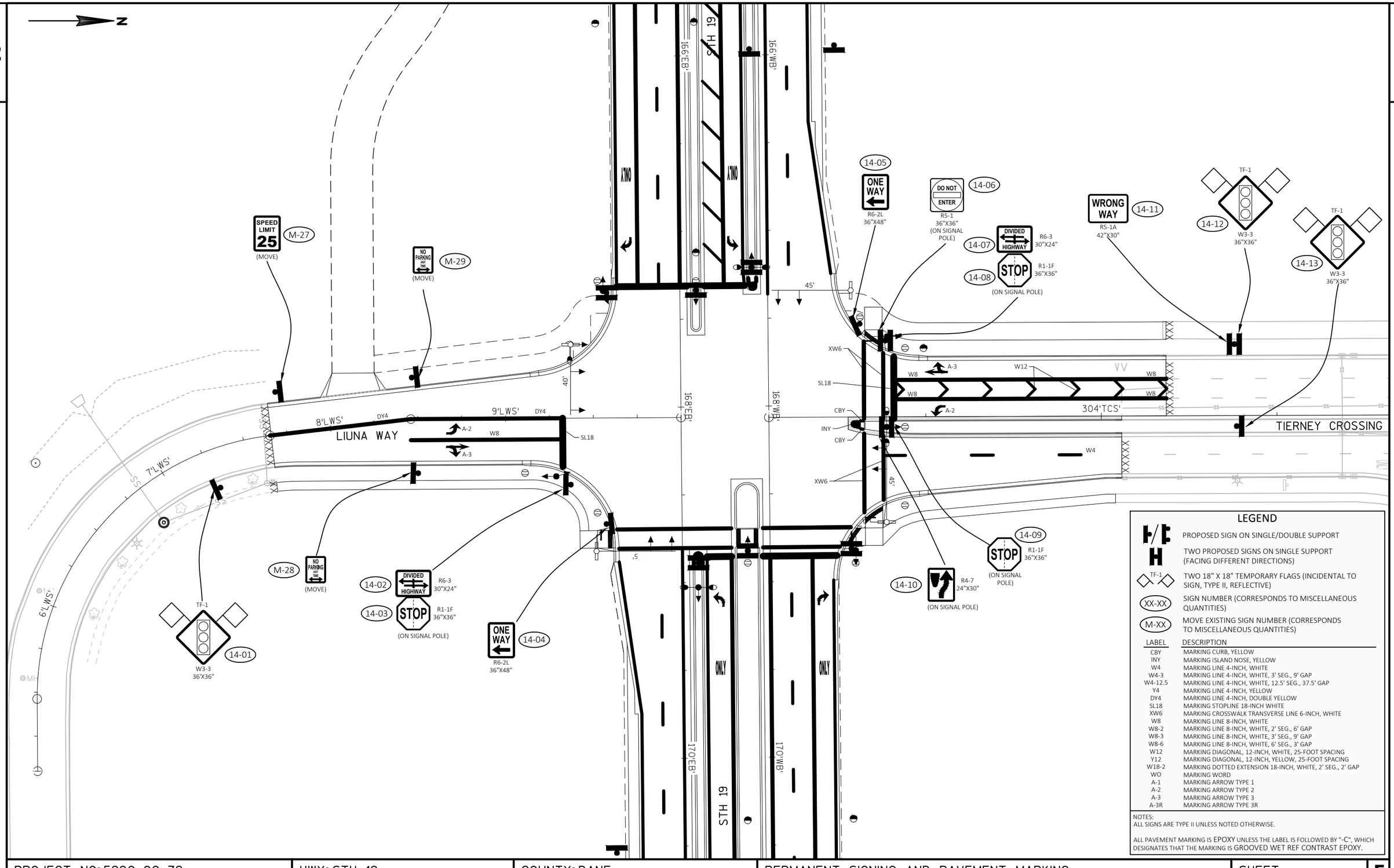
PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	PERMANENT SIGNING AND PAVEMENT MARKING	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0232B_PS - PM.DWG
LAYOUT NAME - 13
PLOT DATE : 4/30/2019 3:46 PM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : **********



LEGEND

F/B	PROPOSED SIGN ON SINGLE/DOUBLE SUPPORT
H	TWO PROPOSED SIGNS ON SINGLE SUPPORT (FACING DIFFERENT DIRECTIONS)
TF-1	TWO 18" X 18" TEMPORARY FLAGS (INCIDENTAL TO SIGN, TYPE II, REFLECTIVE)
XX-XX	SIGN NUMBER (CORRESPONDS TO MISCELLANEOUS QUANTITIES)
M-XX	MOVE EXISTING SIGN NUMBER (CORRESPONDS TO MISCELLANEOUS QUANTITIES)

LABEL	DESCRIPTION
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W4-12.5	MARKING LINE 4-INCH, WHITE, 12.5' SEG., 37.5' GAP
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DY4	MARKING LINE 4-INCH, DOUBLE YELLOW
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XW6	MARKING CROSSWALK TRANSVERSE LINE 6-INCH, WHITE
W8	MARKING LINE 8-INCH, WHITE
W8-2	MARKING LINE 8-INCH, WHITE, 2' SEG., 6' GAP
W8-3	MARKING LINE 8-INCH, WHITE, 3' SEG., 9' GAP
W8-6	MARKING LINE 8-INCH, WHITE, 6' SEG., 3' GAP
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Y12	MARKING DIAGONAL, 12-INCH, YELLOW, 25-FOOT SPACING
W18-2	MARKING DOTTED EXTENSION 18-INCH, WHITE, 2' SEG., 2' GAP
WO	MARKING WORD
A-1	MARKING ARROW TYPE 1
A-2	MARKING ARROW TYPE 2
A-3	MARKING ARROW TYPE 3
A-3R	MARKING ARROW TYPE 3R

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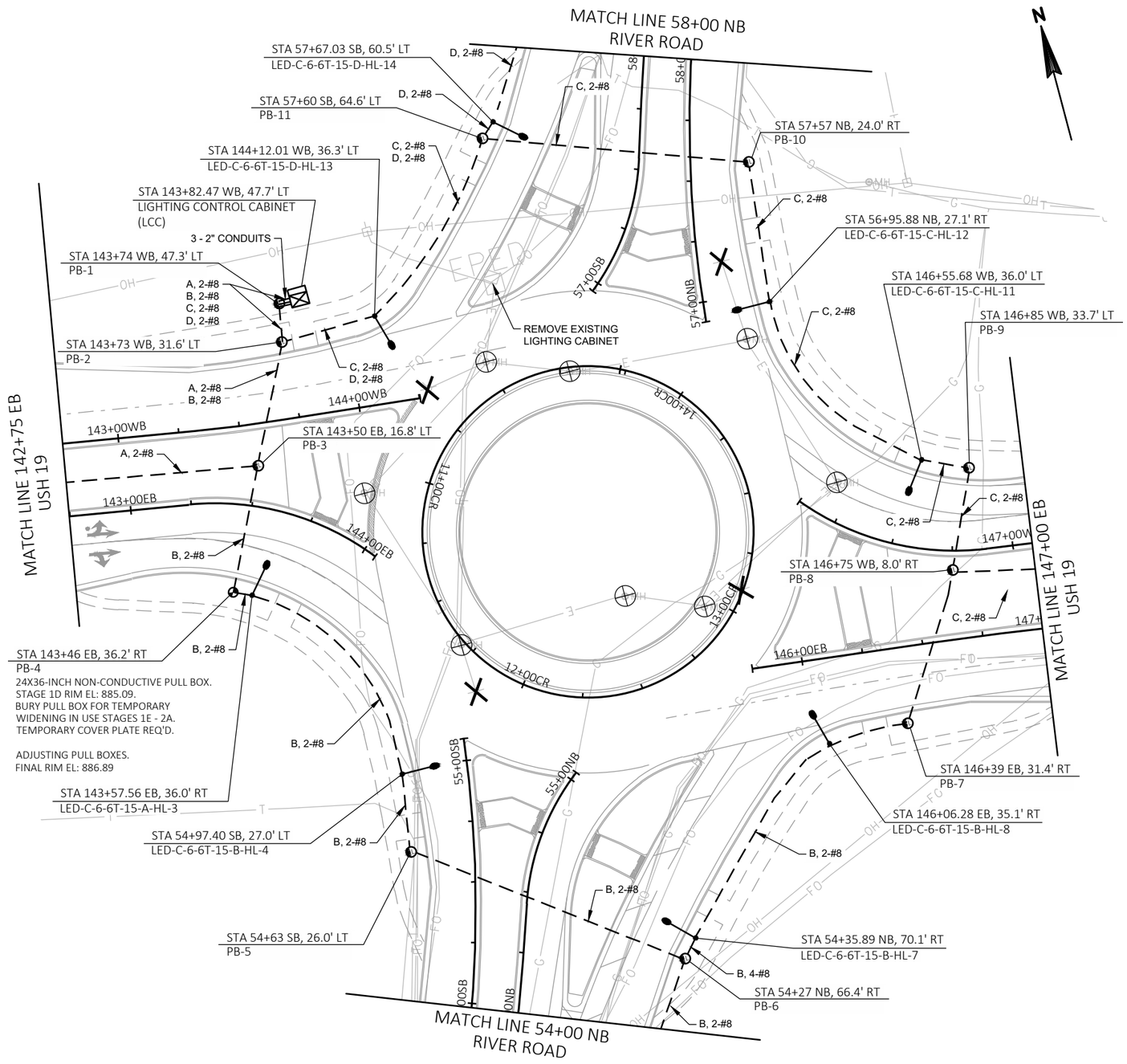
PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	PERMANENT SIGNING AND PAVEMENT MARKING	SHEET	E

2



LEGEND

- REMOVE LIGHTING UNIT AND REMOVE CONCRETE BASE
- REMOVE PULL BOXES
- LIGHTING UNIT, LUMINAIRES UTILITY LED C
- LIGHTING CONTROL CABINET (LCC)
- PULL BOXES NON-CONDUCTIVE 24x42-INCH
- CONDUIT RIGID NON-METALIC SCHEDULE 40 2-INCH, UNLESS NOTED
- CONDUIT STUB

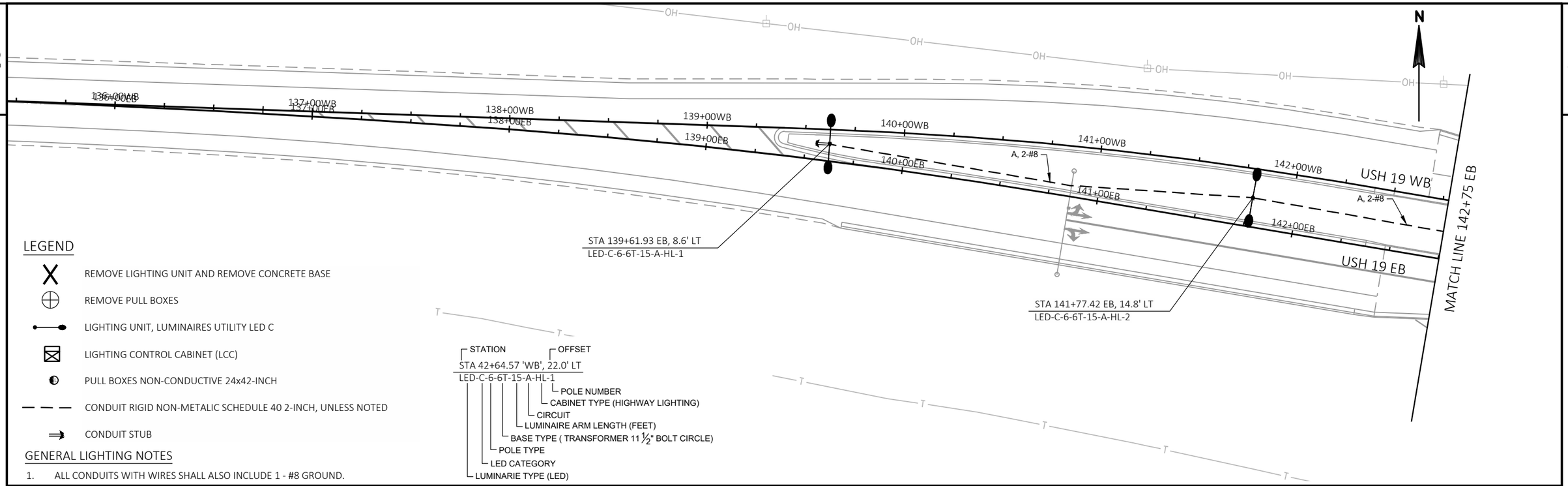
GENERAL LIGHTING NOTES

1. ALL CONDUITS WITH WIRES SHALL ALSO INCLUDE 1 - #8 GROUND.

STA 42+64.57 'WB', 22.0' LT
LED-C-6-6T-15-A-HL-1

- STATION
- OFFSET
- POLE NUMBER
- CABINET TYPE (HIGHWAY LIGHTING)
- CIRCUIT
- LUMINAIRE ARM LENGTH (FEET)
- BASE TYPE (TRANSFORMER 11 ½" BOLT CIRCLE)
- POLE TYPE
- LED CATEGORY
- LUMINARIE TYPE (LED)

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	LIGHTING PLAN	SHEET	E



LEGEND

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- REMOVE PULL BOXES
- LIGHTING UNIT, LUMINAIRES UTILITY LED C
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LED-C-6-6T-15-A-HL-1

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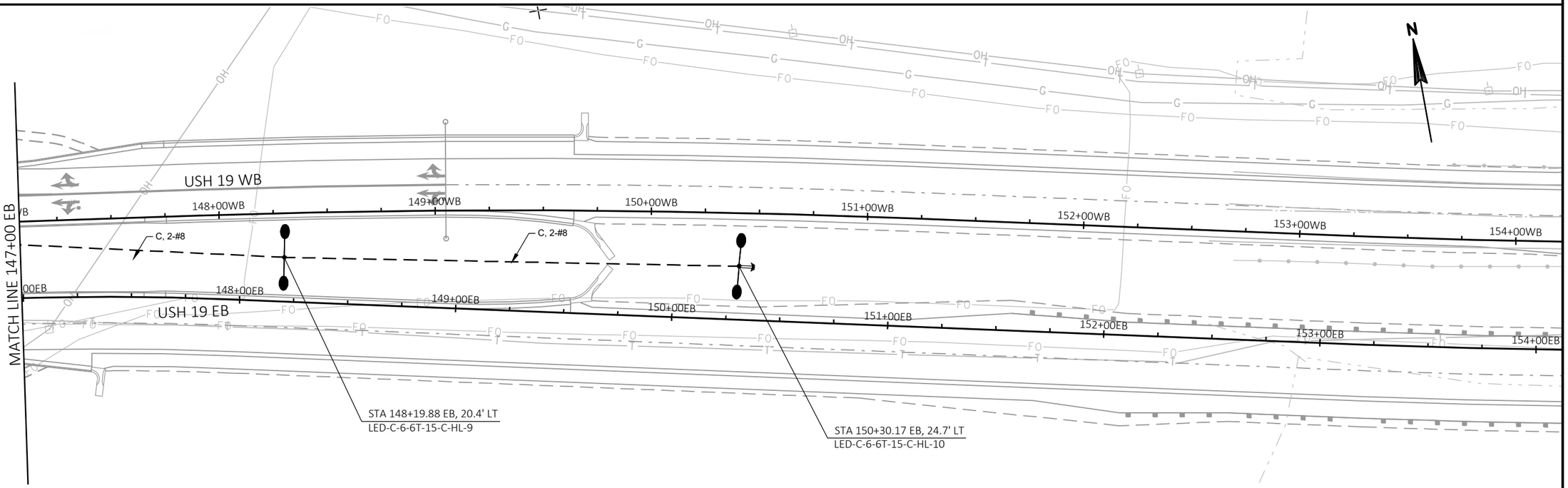
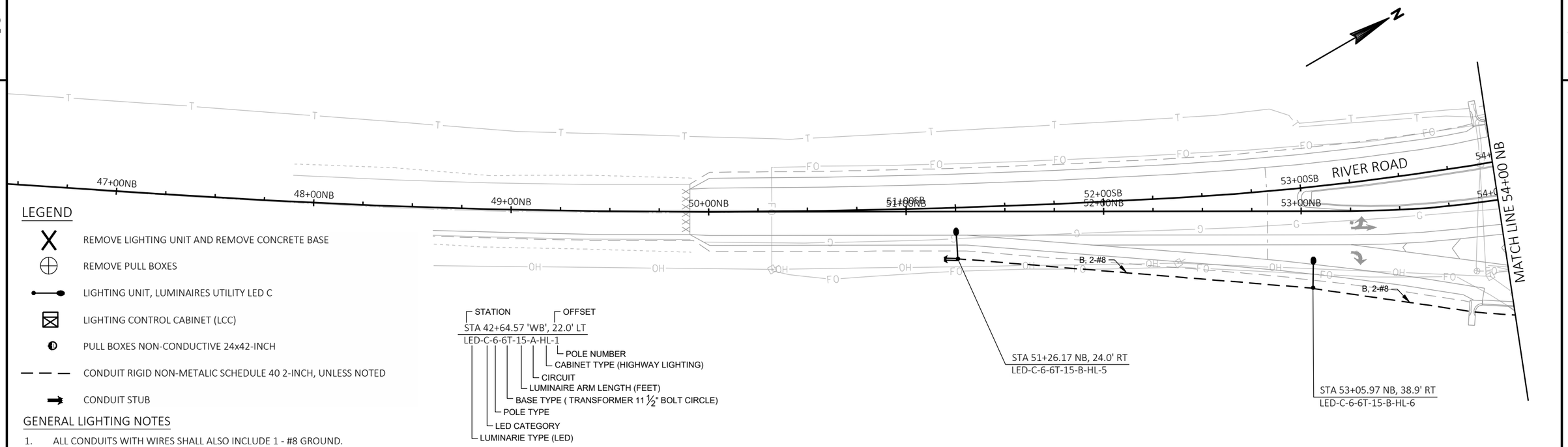


PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	LIGHTING PLAN	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0236_LP.DWG
LAYOUT NAME - 5290-00-02_0236_LP - 02 023501 LP
PLOT DATE : 4/24/2019 4:56 AM PLOT BY : AYRES ASSOCIATES PLOT NAME : PLOT SCALE :

2



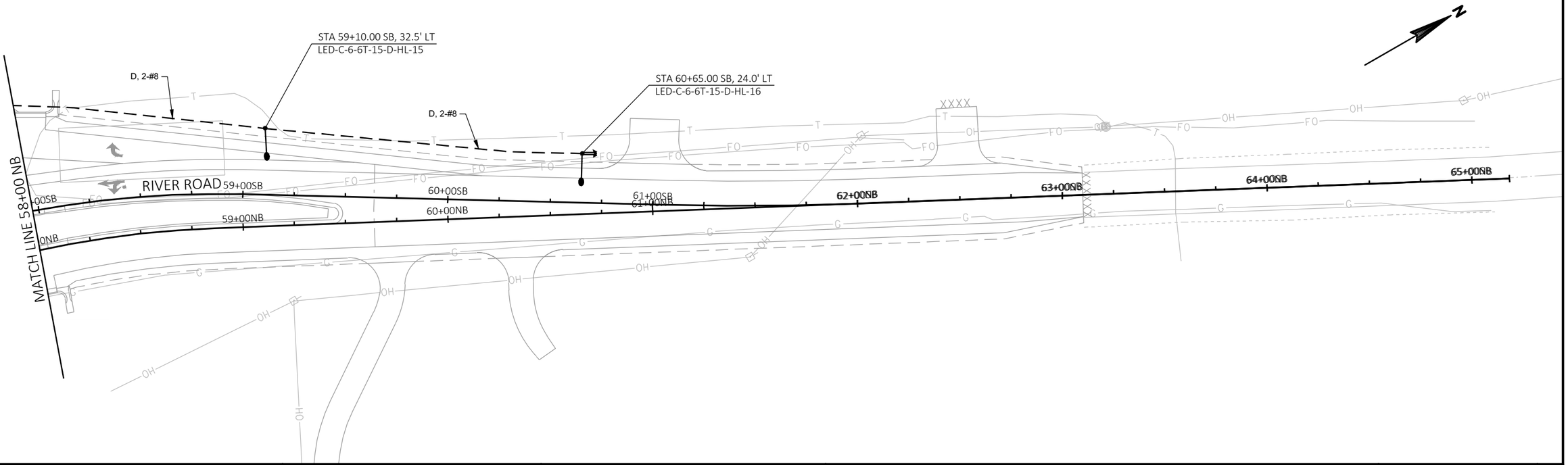
LEGEND

- REMOVE LIGHTING UNIT AND REMOVE CONCRETE BASE
- REMOVE PULL BOXES
- LIGHTING UNIT, LUMINAIRES UTILITY LED C
- LIGHTING CONTROL CABINET (LCC)
- PULL BOXES NON-CONDUCTIVE 24x42-INCH
- CONDUIT RIGID NON-METALIC SCHEDULE 40 2-INCH, UNLESS NOTED
- CONDUIT STUB

STA 42+64.57 'WB', 22.0' LT (STATION, OFFSET)
LED-C-6-6T-15-A-HL-1
- POLE NUMBER
- CABINET TYPE (HIGHWAY LIGHTING)
- CIRCUIT
- LUMINAIRE ARM LENGTH (FEET)
- BASE TYPE (TRANSFORMER 11 ½" BOLT CIRCLE)
- POLE TYPE
- LED CATEGORY
- LUMINARIE TYPE (LED)

GENERAL LIGHTING NOTES

1. ALL CONDUITS WITH WIRES SHALL ALSO INCLUDE 1 - #8 GROUND.



PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	LIGHTING PLAN	SHEET	E

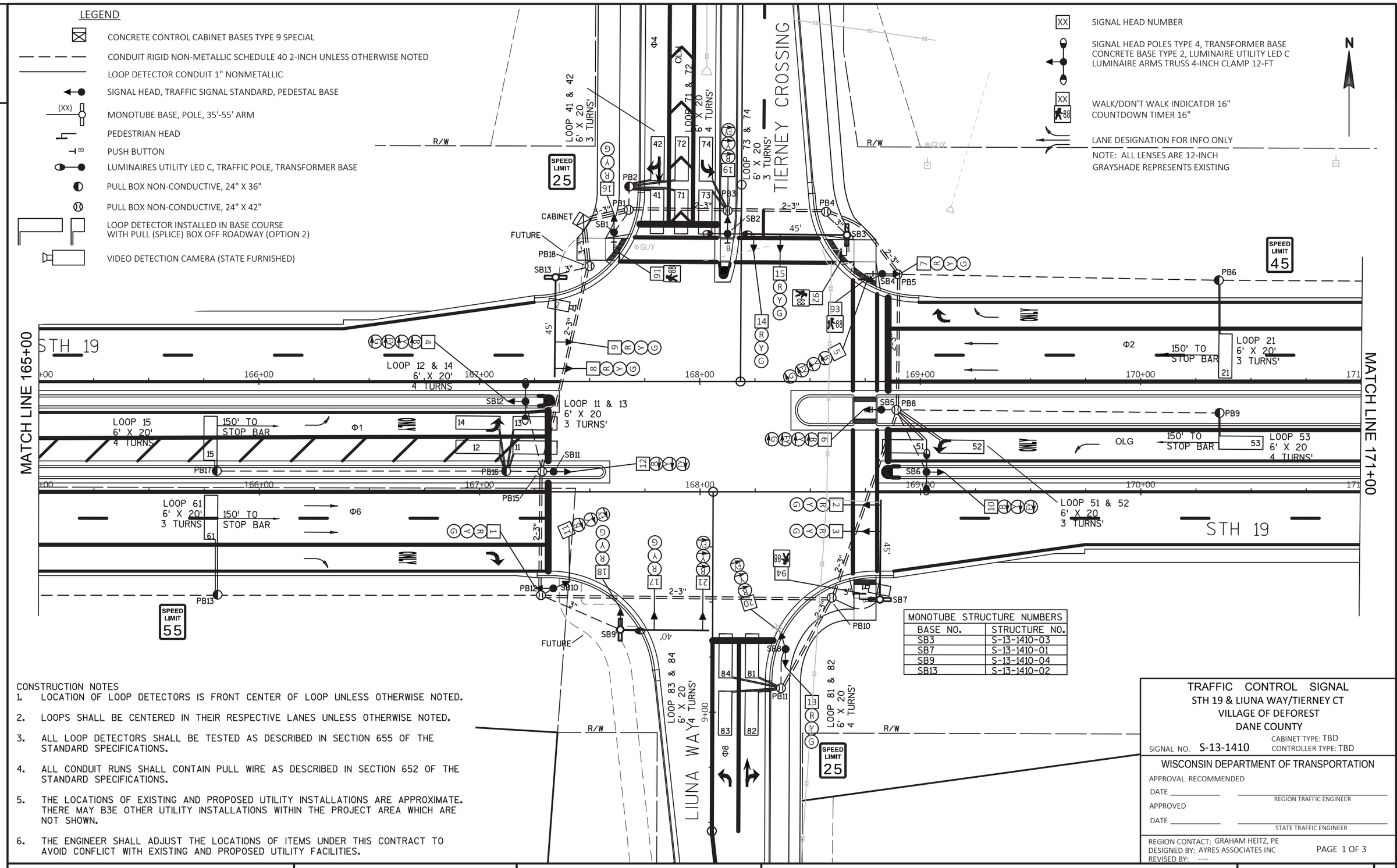
FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0236_LP.DWG
LAYOUT NAME - 5290-00-02_0236_LP - 03 023501 LP
PLOT DATE : 4/24/2019 4:56 AM PLOT BY : AYRES ASSOCIATES PLOT NAME : PLOT SCALE :
WISDOT/CADDS SHEET 42

LEGEND

- CONCRETE CONTROL CABINET BASES TYPE 9 SPECIAL
- CONDUIT RIGID NON-METALLIC SCHEDULE 40 2-INCH UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) MONOTUBE BASE, POLE, 35'-55' ARM
- PEDESTRIAN HEAD
- PB PUSH BUTTON
- LUMINAIRES UTILITY LED C, TRAFFIC POLE, TRANSFORMER BASE
- PULL BOX NON-CONDUCTIVE, 24" X 36"
- PULL BOX NON-CONDUCTIVE, 24" X 42"
- LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
- VIDEO DETECTION CAMERA (STATE FURNISHED)
- XX SIGNAL HEAD NUMBER
- SIGNAL HEAD POLES TYPE 4, TRANSFORMER BASE CONCRETE BASE TYPE 2, LUMINAIRE UTILITY LED C LUMINAIRE ARMS TRUSS 4-INCH CLAMP 12-FT
- XX WALK/DON'T WALK INDICATOR 16" COUNTDOWN TIMER 16"
- LANE DESIGNATION FOR INFO ONLY

NOTE: ALL LENSES ARE 12-INCH
GRAYSHADE REPRESENTS EXISTING

N



MONOTUBE STRUCTURE NUMBERS	
BASE NO.	STRUCTURE NO.
SB3	S-13-1410-03
SB7	S-13-1410-01
SB9	S-13-1410-04
SB13	S-13-1410-02

CONSTRUCTION NOTES

1. LOCATION OF LOOP DETECTORS IS FRONT CENTER OF LOOP UNLESS OTHERWISE NOTED.
2. LOOPS SHALL BE CENTERED IN THEIR RESPECTIVE LANES UNLESS OTHERWISE NOTED.
3. ALL LOOP DETECTORS SHALL BE TESTED AS DESCRIBED IN SECTION 655 OF THE STANDARD SPECIFICATIONS.
4. ALL CONDUIT RUNS SHALL CONTAIN PULL WIRE AS DESCRIBED IN SECTION 652 OF THE STANDARD SPECIFICATIONS.
5. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY B3E OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN.
6. THE ENGINEER SHALL ADJUST THE LOCATIONS OF ITEMS UNDER THIS CONTRACT TO AVOID CONFLICT WITH EXISTING AND PROPOSED UTILITY FACILITIES.

TRAFFIC CONTROL SIGNAL
STH 19 & LIUNA WAY/TIERNEY CT
VILLAGE OF DEFOREST
DANE COUNTY

CABINET TYPE: TBD
SIGNAL NO. S-13-1410 CONTROLLER TYPE: TBD

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED
DATE _____ REGION TRAFFIC ENGINEER
APPROVED
DATE _____ STATE TRAFFIC ENGINEER

REGION CONTACT: GRAHAM HEITZ, PE
DESIGNED BY: AYRES ASSOCIATES INC
REVISED BY: ----

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	TRAFFIC SIGNAL PLAN	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0240_SP.DWG
LAYOUT NAME - 01
PLOT DATE : 5/1/2019 10:01 AM
PLOT BY : HICKMAN, TRISTAN
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

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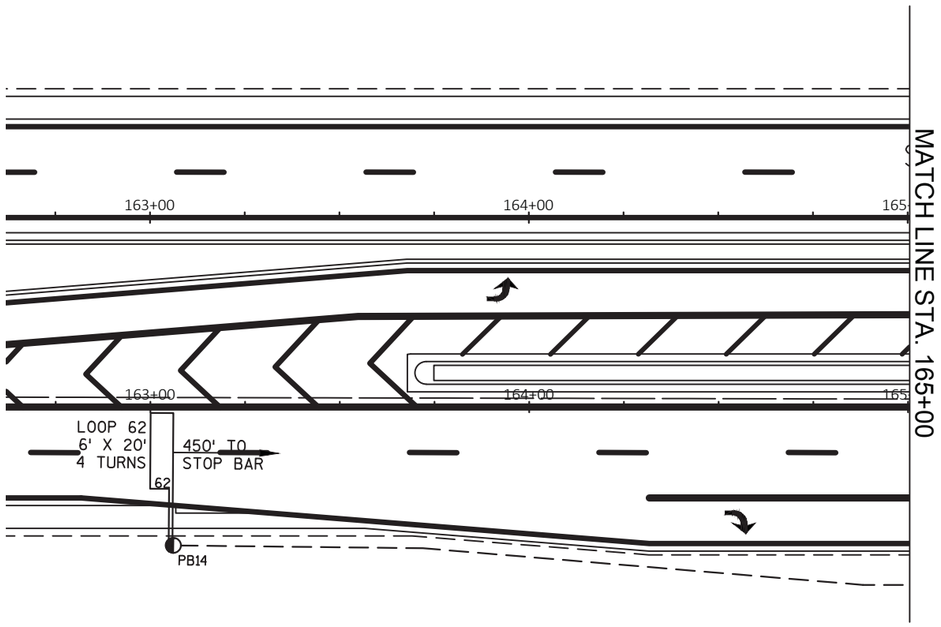
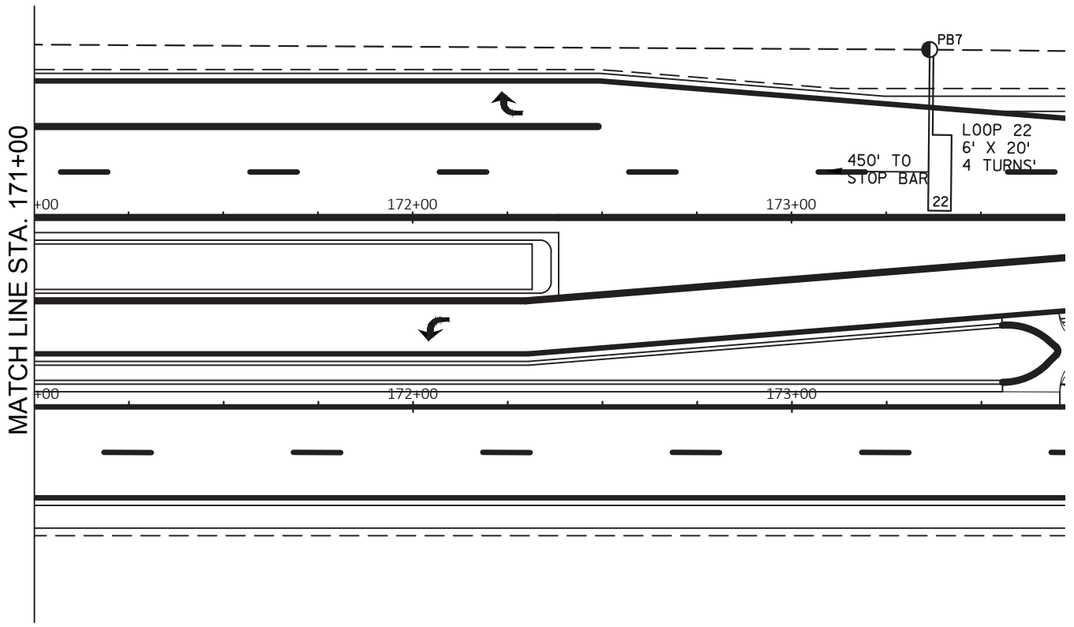




TRAFFIC CONTROL SIGNAL
STH 19 & LIUNA WAY/TIERNEY CY
VILLAGE OF DEFOREST
DANE COUNTY

SIGNAL NO. S13-1410

REGION CONTACT: GRAHAM HEITZ, PE
DESIGNED BY: AYRES ASSOCIATES INC
REVISED BY: ----

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	TRAFFIC SIGNAL PLAN	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0240_SP.DWG
LAYOUT NAME - 02

PLOT DATE : 5/1/2019 10:01 AM PLOT BY : HICKMAN, TRISTAN PLOT NAME : PLOT SCALE : 1 IN:40 FT

	HEAD NUMBERS	FLASH
Ø1	4,5,6	R ←
Ø2	7,8,9	R
Ø3		
Ø4	16,17,18	R
Ø5		
Ø6	1,2,3	R
Ø7		
Ø8	13,14,15	R
Ø2P	23,24	
Ø4P		
Ø6P		
Ø8P	25,26	
OLE	4,5,6	-
OLF		
OLG	10,11,12	-
OLH	19,20,21	-

O.L. ASSIGNMENTS
Ø2
Ø6
Ø8

RING 1

	O.L. E
Ø1	Ø2

NOT USED	
Ø3	Ø4

RING 2

NOT USED	O.L. G
Ø5	Ø6

NOT USED	O.L. H
Ø7	Ø8

BARRIER

N

LEGEND

PHASE OVERLAP FLASHNG ARROW

CONTROLLER LOGIC

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

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

SYSTEM INFORMATION	
*LOCATION OF MASTER CONTROLLER NO:	S-
SIGNAL SYSTEM NO:	SS- 13-0610

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

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

TYPE OF REMOTE COMMUNICATION	
NONE	
FIBER	X
CELL MODEM	
PHONE	

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
PLAN LOOP DETECTOR*(S)	12	14	15	22	42	52	53	62
PHASE CALLED		1		2	4	6		6
PHASE EXTENDED		1	1	2	4	6	6	6
DISCONNECT TIME								
CALLING DELAY								
EXTENSION STRETCH			X				X	
LOOP FUNCTION	NIU		SYS	SYS			SYS	SYS

19	17	23	21	27	25	31	29	DETECTOR INPUT
72	74	82	83					PLAN LOOP DETECTOR*(S)
	8	8	8					PHASE CALLED
	8	8	8					PHASE EXTENDED
								DISCONNECT TIME
								CALLING DELAY
								EXTENSION STRETCH
NIU								LOOP FUNCTION

DETECTOR INPUT	4	2	8	6	12	10	16	14
PLAN LOOP DETECTOR*(S)	11	13	--	21	41	51	--	61
PHASE CALLED		1		2	4	6		6
PHASE EXTENDED		1		2	4	6		6
DISCONNECT TIME				15				15
CALLING DELAY								
EXTENSION STRETCH								
LOOP FUNCTION	NIU			DIS				DIS

20	18	24	22	28	26	32	30	DETECTOR INPUT
71	73	81	84					PLAN LOOP DETECTOR*(S)
	8	8	8					PHASE CALLED
	8	8	8					PHASE EXTENDED
								DISCONNECT TIME
								CALLING DELAY
								EXTENSION STRETCH
NIU								LOOP FUNCTION

DIS - DISCONNECT
NIU - NOT IN USE
SYS - SYSTEM

STH 19 & LIUNA WAY/TIERNEY CT
VILLAGE OF DEFOREST
DANE COUNTY
SIGNAL NO: S13-1410 CABINET TYPE: TS2
CONTROLLER TYPE: ECONOLITE
DATE: 05/2019 PAGE NO. 3 OF 3

PROJECT NO: 5290-00-02	HWY: STH 19	COUNTY: DANE	SEQUENCE OF OPERATIONS	SHEET NO:	E

FILE NAME : _____ PLOT DATE : _____ PLOT BY : _____ PLOT NAME : _____ PLOT SCALE : 1:1

2

STH 19 & LIUNA WAY/TIERNEY CT TRAFFIC SIGNAL CABLING CHART NO. 14 AWG					
CABLE RUN	CABLE	HEAD NO.	MOV'T	LENS	CONDUCTOR COLOR
CABINET TO SB1	9/C	16	SB	R	R
				Y	O
				G	G
		91	Ø2 PED	DW	BLK
				W	BLU
CABINET TO SB2	9/C	19	SB LT	← R	R
				← Y	O
				← FY	G
CABINET TO SB3	9/C	14	NB	R	R
				Y	O
				G	G
		15	NB	R	R/BLK
				Y	W/BLK
				G	G/BLK
		92	Ø2 PED	DW	BLK
				W	BLU
CABINET TO SB4	7/C	7	WB	R	R
				Y	O
				G	G
		93	Ø8 PED	DW	BLK
				W	BLU
CABINET TO SB5	5/C	5	EB LT	← R	R
				← Y	O
				← G	G
CABINET TO SB6	5/C	6	EB LT	← R	R
				← Y	O
				← G	G
CABINET TO SB7	9/C	2	EB	R	R
				Y	O
				G	G
		3	EB	R	R/BLK
				Y	W/BLK
				G	G/BLK
		93	Ø8 PED	DW	BLK
				W	BLU
CABINET TO SB8	7/C	13	NB	R	R
				Y	O
				G	G
		20	SB LT	← R	BLK
				← Y	W/BLK
				← FY	BLU

STH 19 & LIUNA WAY/TIERNEY CT TRAFFIC SIGNAL CABLING CHART (cont.) NO. 14 AWG					
CABLE RUN	CABLE	HEAD NO.	MOV'T	LENS	CONDUCTOR COLOR
CABINET TO SB9	15/C	17	SB	R	R
				Y	O
				G	G
		18	SB	R	R/BLK
				Y	O/BLK
				G	G/BLK
		21	SB LT	← R	BLK
				← Y	W/BLK
				← FY	BLU
CABINET TO SB10	7/C	1	EB	R	R
				Y	O
				G	G
		11	WB LT	← R	BLK
				← Y	W/BLK
				← FY	BLU
CABINET TO SB11	5/C	12	WB LT	← R	R
				← Y	O
				← FY	G
CABINET TO SB12	5/C	4	EB LT	← R	R
				← Y	O
				← G	G
CABINET TO SB13	7/C	8	WB	R	R
				Y	O
				G	G
		9	WB	R	R/BLK
				Y	W/BLK
				G	G/BLK

EQUIPMENT GROUNDING CONDUCTOR NO. 10 AWG XLP (GREEN)	
FROM	TO
CABINET	SB1
SB1	SB2
SB2	SB3
SB3	SB4
SB4	SB5
SB5	SB6
SB6	SB7
SB7	SB8
SB8	SB9
SB9	SB10
SB10	SB11
SB11	SB12
SB12	SB13
SB13	CABINET

LIGHTING UF NO. 12 AWG W/ GROUND	
FROM	TO
CABINET	SB2
CABINET	SB6
CABINET	SB9
CABINET	SB12

VIDEO DETECTION CAT/5E CABLE	
FROM	TO
CABINET	SB7
CABINET	SB13

PED BUTTON CABLING LOOP DETECTOR LEAD-IN NO. 14 AWG	
FROM	TO
CABINET	SB1
CABINET	SB2
CABINET	SB3
CABINET	SB4
CABINET	SB5
CABINET	SB7
CABINET	SB7

Pull Box Bonding Jumper 10 AWG Green XLP	
FROM	**TO**
PB1	**CABINET**
PB18	**CABINET**
PB3	**SB2**
PB4	**SB3**
PB5	**SB4**
PB8	**SB5**
PB10	**SB7**
PB11	**SB8**
PB12	**SB10**
PB15	**SB11**
PB18	**SB13**

TRAFFIC CONTROL SIGNAL

STH 19 & LIUNA WAY/TIERNEY CT
VILLAGE OF DEFOREST
DANE COUNTY

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CABLE ROUTING SHEET	SHEET NO:	E

2

LEGEND

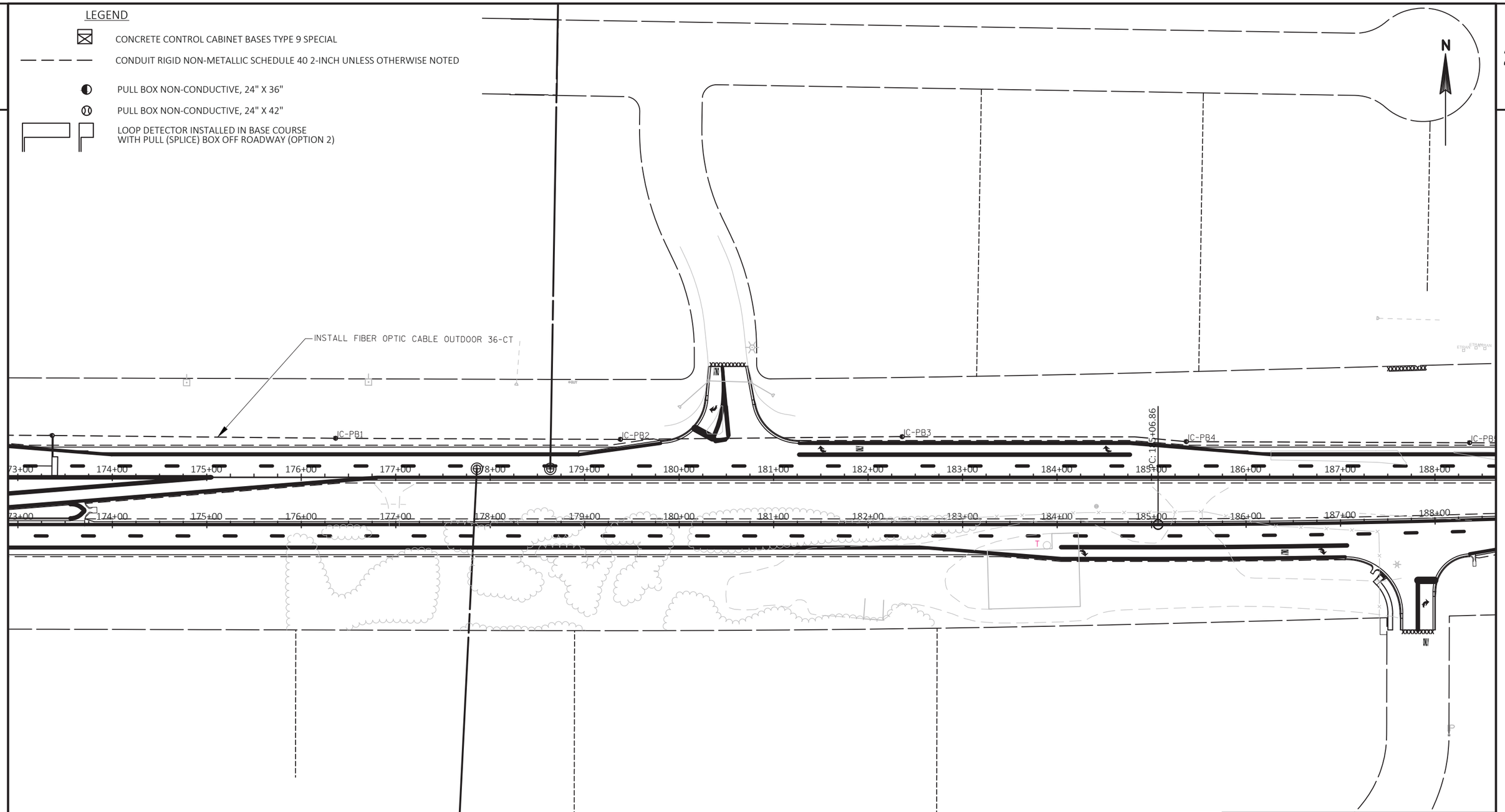
CONCRETE CONTROL CABINET BASES TYPE 9 SPECIAL

CONDUIT RIGID NON-METALLIC SCHEDULE 40 2-INCH UNLESS OTHERWISE NOTED

PULL BOX NON-CONDUCTIVE, 24" X 36"

PULL BOX NON-CONDUCTIVE, 24" X 42"

LOOP DETECTOR INSTALLED IN BASE COURSE
WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)



CONSTRUCTION NOTES

ALL CONDUIT RUNS SHALL CONTAIN PULL BOX WIRE AS INCLUDED IN THE MISCELLANEOUS QUANTITIES AND SPECIAL PROVISIONS FOR THE PROJECT.

THE LOCATIONS OF CONDUIT AND PULL BOXES MAY BE ADJUSTED TO AVOID CONFLICTS WITH EXISTING AND PROPOSED UTILITY INSTALLATIONS WITH APPROVAL FROM THE ENGINEER.

INTERCONNECT PLAN

LIUNA WAY/TIERNEY CT - IH 39-90
VILLAGE OF DEFOREST
DANE COUNTY

SIGNAL SYSTEM NO.: SS-63-0610

REGION CONTACT: GRAHAM HEITZ, PE
DESIGNED BY: AYRES ASSOCIATES INC
REVISED BY:

PAGE 1 OF 2

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	TRAFFIC SIGNAL INTERCONNECT PLAN	SHEET	E

2

LEGEND

- CONCRETE CONTROL CABINET BASES TYPE 9 SPECIAL
- CONDUIT RIGID NON-METALLIC SCHEDULE 40 2-INCH UNLESS OTHERWISE NOTED
- PULL BOX NON-CONDUCTIVE, 24" X 36"
- PULL BOX NON-CONDUCTIVE, 24" X 42"
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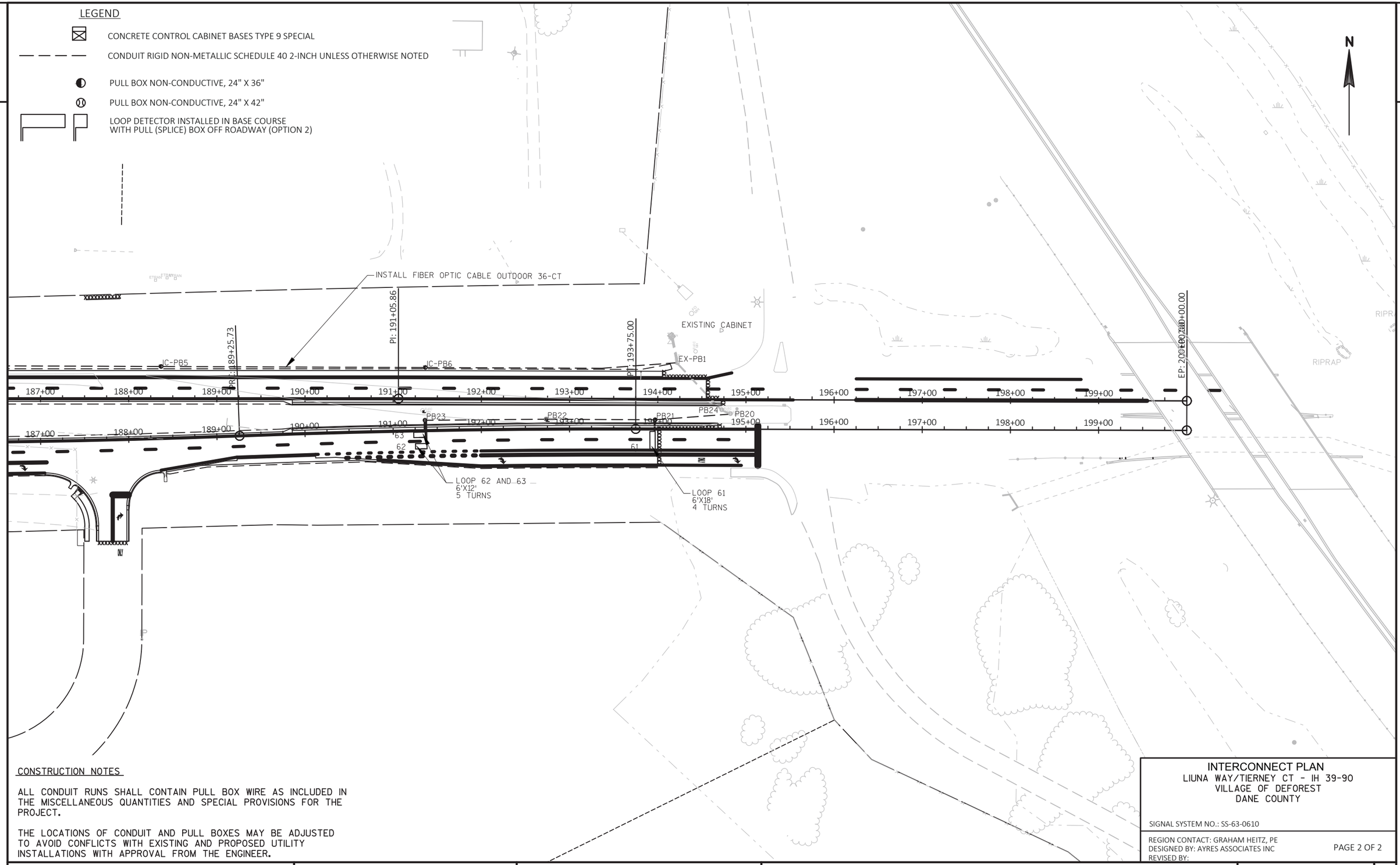


CONSTRUCTION NOTES

ALL CONDUIT RUNS SHALL CONTAIN PULL BOX WIRE AS INCLUDED IN THE MISCELLANEOUS QUANTITIES AND SPECIAL PROVISIONS FOR THE PROJECT.

THE LOCATIONS OF CONDUIT AND PULL BOXES MAY BE ADJUSTED TO AVOID CONFLICTS WITH EXISTING AND PROPOSED UTILITY INSTALLATIONS WITH APPROVAL FROM THE ENGINEER.

INTERCONNECT PLAN
LIUNA WAY/TIERNEY CT - IH 39-90
VILLAGE OF DEFOREST
DANE COUNTY

SIGNAL SYSTEM NO.: SS-63-0610

REGION CONTACT: GRAHAM HEITZ, PE
DESIGNED BY: AYRES ASSOCIATES INC
REVISED BY:

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	TRAFFIC SIGNAL INTERCONNECT PLAN	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0240_SP.DWG
LAYOUT NAME - 04
PLOT DATE : 5/1/2019 10:01 AM
PLOT BY : HICKMAN, TRISTAN
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

REFERENCED STANDARD DETAIL DRAWINGS

15C2a-C	BARRICADES AND SIGNS FOR MAINLINE CLOSURES (DETAIL C)
15C2b-D	BARRICADES AND SIGNS FOR VARIOUS CLOSURES (DETAIL D)
15C2b-E	BARRICADES AND SIGNS FOR VARIOUS CLOSURES (DETAIL E)
15C2f	TRAFFIC CONTROL, ADVANCED WIDTH RESTRICTION SIGNING
15C4	TRAFFIC CONTROL, ADVANCED WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY DIVIDED ROAD OPEN TO TRAFFIC
15C5	TRAFFIC CONTROL, ADVANCED WARNING SIGNS 40 M.P.H. OR GREATER TWO-WAY DIVIDED ROAD OPEN TO TRAFFIC
15C12	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15D12a	TRAFFIC CONTROL, LANE CLOSURE
15D20	TRAFFIC CONTROL, SINGLE LANE CLOSURE, NONFREEWAY/EXPRESSWAY
15D21	TRAFFIC CONTROL, INTERESCTION WITHIN SINGLE LANE CLOSURE
15D27	TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH
15D28	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED HIGHWAY
15D30a	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

TEMPORARY PAVEMENT MARKING & MARKING REMOVAL

R-4	MARKING REMOVAL LINE 4-INCH (DESCRIPTION)
R-8	MARKING REMOVAL LINE 8-INCH (DESCRIPTION)
R-W	MARKING REMOVAL LINE WIDE (DESCRIPTION)
R-S	MARKING REMOVAL SPECIAL MARKING (DESCRIPTION)
R-WB-4	MARKING REMOVAL LINE WATER BLASTING 4-INCH (DESCRIPTION)
R-WB-8	MARKING REMOVAL LINE WATER BLASTING 8-INCH (DESCRIPTION)
TP-4W	TEMPORARY MARKING LINE PAINT 4-INCH WHITE - SOLID
TP-4Y	TEMPORARY MARKING LINE PAINT 4-INCH YELLOW - SOLID
TP-4DY	TEMPORARY MARKING LINE PAINT 4-INCH DOUBLE YELLOW - SOLID
TP-4WD	TEMPORARY MARKING LINE PAINT 4-INCH WHITE LANE LINE DASH (12.5 FT LINE, 37.5 FT SKIP)
TP-8W	TEMPORARY MARKING LINE PAINT 8-INCH WHITE - SOLID
TP-D	TEMPORARY MARKING DIAGONAL PAINT 12-INCH, 25' SPACING (COLOR)
TP-SL	TEMPORARY MARKING STOP LINE PAINT 18-INCH
TP-A	TEMPORARY MARKING ARROW PAINT (DESCRIPTION)
TP-W	TEMPORARY MARKING WORD PAINT (DESCRIPTION)
TRT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH WHITE - SOLID
TRT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH YELLOW - SOLID
TRT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH DOUBLE YELLOW - SOLID
TRT-4WD	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH WHITE LANE LINE DASH (12.5 FT LINE, 37.5 FT SKIP)
TRT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH WHITE - SOLID
TRT-D	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH, 25' SPACING (COLOR)
TRT-SL	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
TE-SL	TEMPORARY MARKING STOP LINE EPOXY 18-INCH
P-SPM	PERMANENT SIGNS AND PAVEMENT MARKING IN SERVICE AS REQ'D (SEE DETAILS)
CW-4	COLD WEATHER MARKING EPOXY 4-INCH (DESCRIPTION)
CW-8	COLD WEATHER MARKING EPOXY 8-INCH (DESCRIPTION)

NOTES

ALL SIGNS ARE 48" X 48", UNLESS OTHERWISE NOTED.

"WO" SIGNS ARE THE SAME AS "W" SIGNS, EXCEPT THE BACKGROUND IS ORANGE.

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

MOUNT ALL PORTABLE TRAFFIC CONTROL SIGNS AT A MINIMUM HEIGHT OF 5 FEET, MEASURED FROM THE BOTTOM OF THE SIGN, ABOVE THE EDGE OF PAVEMENT.

IF EXISTING SIGNS TO BE REMOVED, OR TO BE MOVED TO A NEW PERMANENT LOCATION, ARE FIRST MOVED FOR SERVICE UNDER STAGED CONSTRUCTION, AS APPROVED BY THE ENGINEER, THE SIGNS AND SUPPORTS WILL BE PAID FOR AS "TRAFFIC CONTROL SIGNS".

START SHOULDER CLOSURES WITH THE 5 DRUM MINIMUM TAPER, PER SDD 15D28.

OTHER SYMBOLS

- 4" ASPHALTIC SURFACE TEMPORARY
- GENERAL WORK AREA
- TRAFFIC FLOW ARROW ONE PER OPEN LANE
- TRAFFIC CONTROL DRUMS (TYPICAL SPACING)
- TRAFFIC CONTROL DRUMS WITH LIGHTS (TYPICAL SPACING)
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKERS (TYPICAL SPACING)
- FLASHING ARROW BOARD
- FENCE SAFETY
- EXISTING SIGN (SPEED LIMIT 45)
- EXISTING TYPE I SIGN
- EXISTING TYPE II SIGN
- EXISTING SIGN ON FULL SPAN OVERHEAD SUPPORT
- EXISTING SIGN ON CANTILEVER OVERHEAD SUPPORT
- EXISTING SIGN ON SINGLE POLE SUPPORT IN MEDIAN (BUTTERFLY)
- EXISTING DYNAMIC MESSAGE SIGN (DMS)
- COVERING SIGNS
- PROPOSED TEMPORARY SIGN (ROAD WORK AHEAD, W20-1A)
- SIGN ON TEMPORARY SUPPORT (MOVEABLE SUPPORT MAY BE USED)
- SIGN ON PERMANENT SUPPORT
- PERMANENT TYPE I SIGN (OVERHEAD SIGN SUPPORT)
- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TYPE II BARRICADE WITH/WITHOUT ATTACHED SIGN
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- 16" X 16" ORANGE WARNING FLAGS (INCIDENTAL TO OTHER ITEMS OF WORK)
- PROPOSED PERMANENT LIGHTING

N

HICKORY LN

RIVER RD

EASY ST

INTERSTATE 39 / INTERSTATE 90 / INTERSTATE 94

SUBSTAGES 1A TO 1C — ROAD WORK AHEAD W20-1A / ROAD CLOSED AHEAD W20-3A

STARTING SUBSTAGE 1D

WEST 19 — M3-4 24"X12" — M1-6 24"X24"

ROAD WORK AHEAD W20-1A

51

WHEN CLOSED TO TRAFFIC 15C2a-C

OPEN TO TRAFFIC SUBSTAGES 1A, 1B, 2B, 2C 15C5

SUBSTAGES 1A TO 1C — ROAD CLOSED AHEAD W20-3A / ROAD WORK AHEAD W20-1A — STARTING SUBSTAGE 1D

ROAD CLOSED AHEAD W20-3A / ROAD WORK AHEAD W20-1A — SUBSTAGE 2A ONLY / ALL SUBSTAGES EXCEPT 2A

COUNTY CV

CANADIAN PACIFIC RAILROAD

15C4

END ROAD WORK G20-2A 48"X24"

15C2b-E

15C2b-D LOCATE BETWEEN STH 19 AND ENTRANCES

15C2b-D SUBSTAGE 2A ONLY

TIERNEY XING

DALMORE ROAD

CASHEL WAY

TEMPORARY ACCESS

15C2b-D STARTING SUBSTAGE 1D

END ROAD WORK G20-2A 48"X24"

BLANCHARD'S CSG

N TOWNE RD

19

END ROAD WORK G20-2A 48"X24" KIRKWOOD DR

15C2b-D SUBSTAGE 2B-RAB2 ONLY

15C2b-D SUBSTAGE 1A TO 1C

LIUNA WAY

15C2b-D SUBSTAGE 1D ONLY

ONE-WAY SERVICE DRIVE

PEPSI WAY

WILLIAMSBURG WAY

ONE-WAY SERVICE DRIVE

RIVER RD

YAHARA RIVER

IMPERIAL DR

15C2a-C 15C5 SUBSTAGE 2A ONLY

TOKEN CREEK

ALL SUBSTAGES EXCEPT 1D — ROAD WORK AHEAD W20-1A / ROAD CLOSED AHEAD W20-3A — SUBSTAGE 1D ONLY

ALL SUBSTAGES EXCEPT 1A-LNW1 & 1A-LNW2 — ROAD WORK AHEAD W20-1A / ROAD CLOSED AHEAD W20-3A — SUBSTAGES 1A-LNW1 & 1A-LNW2

RIVER RD

INTERSTATE 39 / INTERSTATE 90 / INTERSTATE 94

51

WEST OF IH 39
ALL STAGES

2

N

HICKORY LN

EASY ST

RIVER RD

INTERSTATE 39
INTERSTATE 90
INTERSTATE 94

WEST 19
M3-4 24"X12"
M1-6 24"X24"

ROAD WORK AHEAD
W20-1A

COUNTY CV

CANADIAN PACIFIC RAILROAD

51

BLANCHAR'S CSG

N TOWNE RD

19

STA 131'EB'

TIERNEY XING

CASHEL WAY

LIUNA WAY

KIRKWOOD DR

RIVER RD

IMPERIAL DR

YAHARA RIVER

ONE-WAY SERVICE DRIVE

PEPSI WAY

ROAD WORK AHEAD
W20-1A

WILLIAMSBURG WAY

ONE-WAY SERVICE DRIVE

TOKEN CREEK

WEST 19
M3-4 24"X12"
M1-6 24"X24"

ROAD WORK AHEAD
W20-1A

INTERSTATE 39
INTERSTATE 90
INTERSTATE 94

51

RIVER RD

2

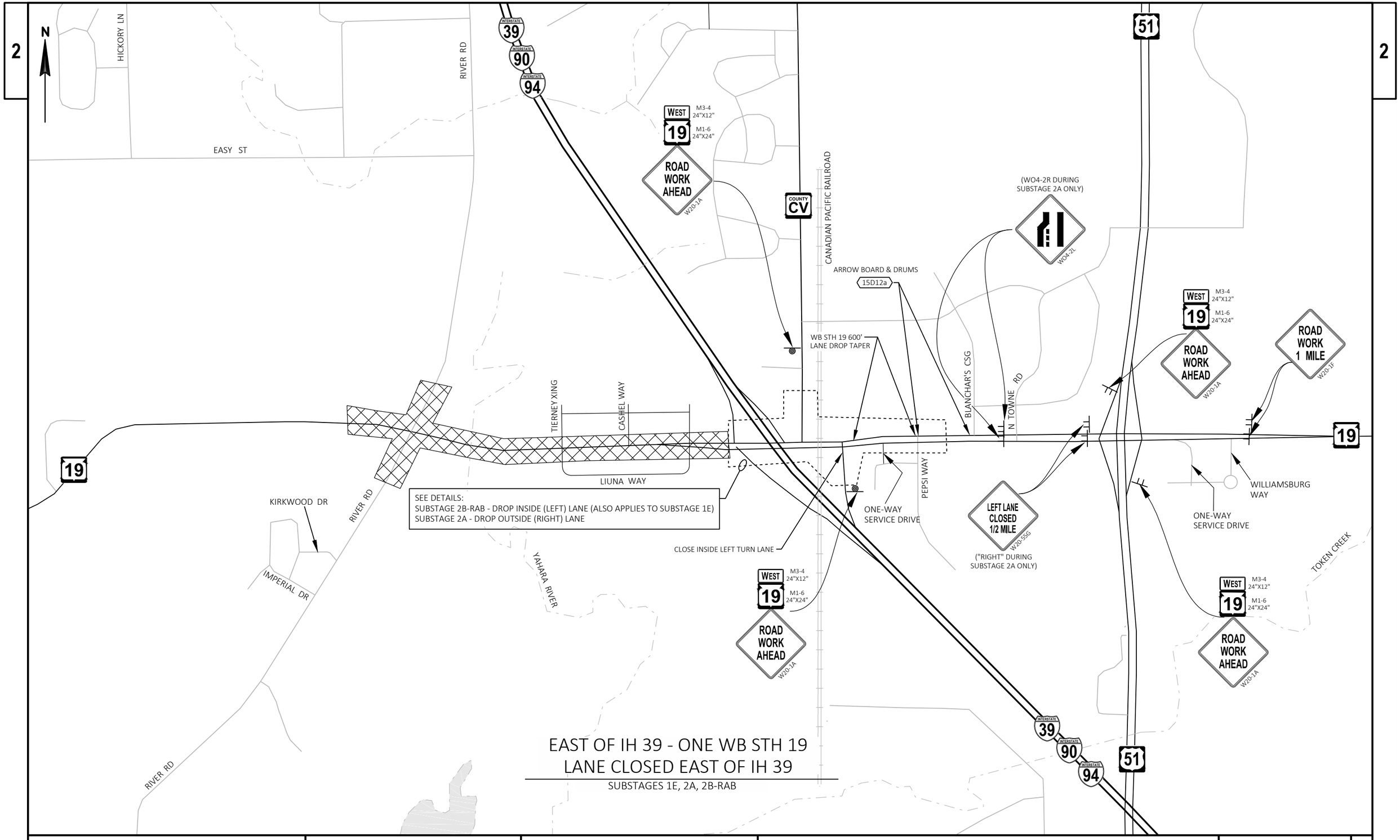
EAST OF IH 39 - BOTH WB STH 19
LANES OPEN EAST OF IH 39

ALL SUBSTAGES EXCEPT 1E, 2A, 2B-RAB1

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	TRAFFIC CONTROL - ADVANCED WARNING SIGNING -2 OF 3	SHEET E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0250B_TC.DWG
LAYOUT NAME - 02

PLOT DATE : 4/29/2019 11:06 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:1320 FT



PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	TRAFFIC CONTROL - ADVANCED WARNING SIGNING -3 OF 3	SHEET E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0250B_TC.DWG
LAYOUT NAME - 03

PLOT DATE : 4/29/2019 11:06 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:1320 FT

2

N

HICKORY LN

EASY ST

RIVER RD

INTERSTATE 39 / INTERSTATE 90 / INTERSTATE 94

WEST 19 — M3-4 24"X12" — M1-6 24"X24" — MAX. 11' WIDTH — W12-52

WEST 19 — M3-4 36"X18" — M1-6 36'X36" — MAX. 11' WIDTH — W12-52

COUNTY CV

CANADIAN PACIFIC RAILROAD

LOCATION OF 11-FT WIDTH RESTRICTION FOR WB STH 19

MAX. 11' WIDTH — W12-52

TIERNEY XING

CASHEL WAY

LIUNA WAY

BLANCHAR'S CSG

N TOWNE RD

WEST 19 — M3-4 36"X18" — M1-6 36'X36" — MAX. 11' WIDTH — W12-52

51

MAX. 11' WIDTH — W12-52

1 1/2 MILES AHEAD — WO57-52 48"X36"

19

PEPSI WAY

ONE-WAY SERVICE DRIVE

WILLIAMSBURG WAY

ONE-WAY SERVICE DRIVE

KIRKWOOD DR

RIVER RD

IMPERIAL DR

YAHARA RIVER

TOKEN CREEK

WEST 19 — M3-4 36"X18" — M1-6 36'X36" — MAX. 11' WIDTH — W12-52

WEST 19 — M3-4 36"X18" — M1-6 36'X36" — MAX. 11' WIDTH — W12-52

INTERSTATE 39 / INTERSTATE 90 / INTERSTATE 94

51

RIVER RD

2

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	TRAFFIC CONTROL - WIDTH RESTRICTION SUBSTAGE 2A & 2B-RAB	SHEET E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0250B_TC.DWG
LAYOUT NAME - WIDTH RESTRICTION

PLOT DATE : 4/29/2019 11:06 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : ##########

N

2

2

COUNTY I

EASY ST

HICKORY LN

RIVER RD

INTERSTATE 39 / INTERSTATE 90 / INTERSTATE 94

COUNTY CV

WINDSOR RD

51

PCMS
SITE RV-NB2

PCMS
SITE RV-SB1

PCMS
SITE 19-WB1

PCMS
SITE 19-WB2

TIERNEY XING

CASHEL WAY

19

LIUNA WAY

BLANCHAR'S CSG

N TOWNE RD

PEPSI WAY

PORTAGE RD

PCMS
SITE 19-EB

PCMS
SITE RV-SB2

PCMS
SITE RV-NB1

RIVER RD

YAHARA RIVER

CANADIAN PACIFIC RAILROAD

BONG RD

CHEROKEE MARSH

SCALE, FEET 0 1000 2000

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	PCMS - SHEET 1 OF 2	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0250B_TC_PCMS.DWG
LAYOUT NAME - PCMS SHEET 01

PLOT DATE : 4/30/2019 1:53 PM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : 1 IN:2000 FT

WISDOT/CADDS SHEET 42

2

PCMS SITE	STAGE 1												STAGE 2					
	PRE SUBSTAGE 1A		SUBSTAGE 1A		SUBSTAGE 1B		SUBSTAGE 1C		SUBSTAGE 1D		SUBSTAGE 1E		SUBSTAGE 2A		SUBSTAGE 2B		SUBSTAGE 2C	
	FRAME A	FRAME B	FRAME A	FRAME B	FRAME A	FRAME B	FRAME A	FRAME B	FRAME A	FRAME B	FRAME A	FRAME B	FRAME A	FRAME B	FRAME A	FRAME B	FRAME A	FRAME B
19-EB	**ROAD WORK	BEGINS M-DD	N/A		N/A		*NEW TRAFFIC PATTERN	N/A	*NEW TRAFFIC PATTERN	N/A	*NEW TRAFFIC PATTERN	N/A	*NEW TRAFFIC PATTERN	N/A	*NEW TRAFFIC PATTERN	N/A	*NEW TRAFFIC PATTERN	N/A
19-WB1	**ROAD WORK	BEGINS M-DD	N/A		N/A		*NEW TRAFFIC PATTERN	N/A	*NEW TRAFFIC PATTERN	N/A	*NEW TRAFFIC PATTERN	N/A	*NEW TRAFFIC PATTERN	N/A	*NEW TRAFFIC PATTERN	N/A	*NEW TRAFFIC PATTERN	N/A
19-WB2	**ROAD WORK	BEGINS M-DD	N/A		N/A		N/A		N/A		N/A		N/A		N/A		N/A	
RV-NB1	**HWY 19 ROAD WORK	BEGINS M-DD	N/A		N/A		N/A		**NO LEFT TO WB HWY 19	BEGINS M-DD	N/A		N/A		N/A		N/A	
RV-SB1	**HWY 19 ROAD WORK	BEGINS M-DD	N/A		N/A		N/A		N/A		N/A		N/A		N/A		N/A	
RV-NB2	N/A		N/A		**ROAD CLOSED	BEGINS M-DD	N/A		N/A		N/A		N/A		N/A		N/A	
RV-SB2	N/A		N/A		N/A		N/A		N/A		N/A		**ROAD CLOSED	M-DD TO M-DD	N/A		N/A	

*MESSAGE IN USE FOR 3 DAYS AT THE BEGINNING OF THE SUBSTAGE.

**MESSAGE IN SERVICE FOR 7 DAYS IMMEDIATELY PRECEDING THE CONDITION.

2

N

PATH CLOSED
R9-9(MOD)
24"X12"
THROUGHOUT
CONSTRUCTION

SIDEWALK CLOSED
R9-9
24"X12"
THROUGHOUT
CONSTRUCTION

DALMORE ROAD

TIERNEY XING

CASHEL WAY

TEMPORARY ROAD

19

19

SIDEWALK CLOSED
R9-9
24"X12"
THROUGHOUT
CONSTRUCTION

SIDEWALK CLOSED
R9-9
24"X12"
THROUGHOUT
CONSTRUCTION

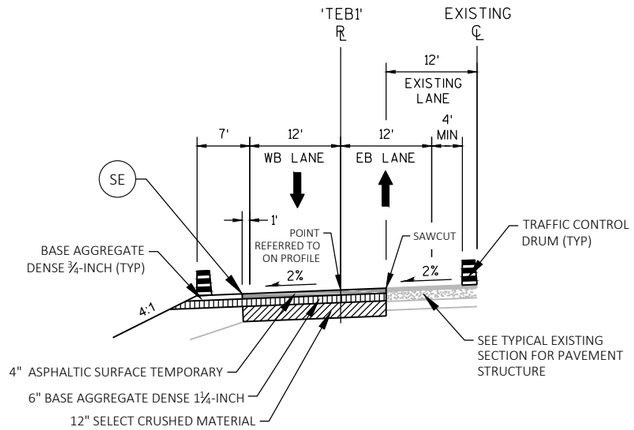
LIUNA WAY

LIUNA WAY

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	TRAFFIC CONTROL - SIDEWALKS	SHEET	E

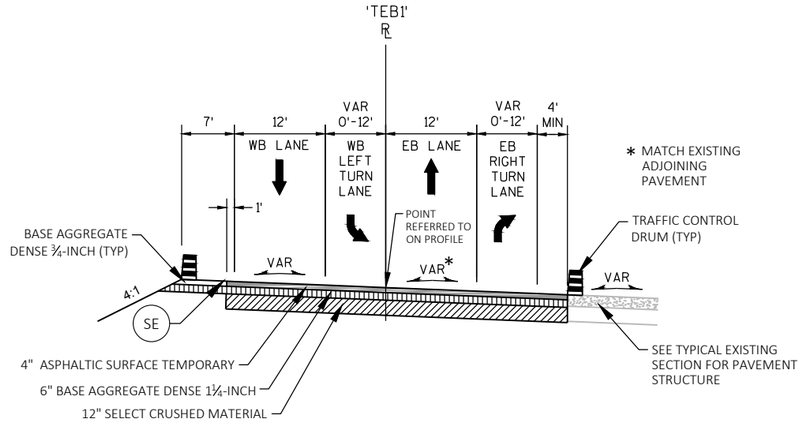
FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0250C_TC.DWG
LAYOUT NAME - 01

PLOT DATE : 4/24/2019 2:17 PM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : ############



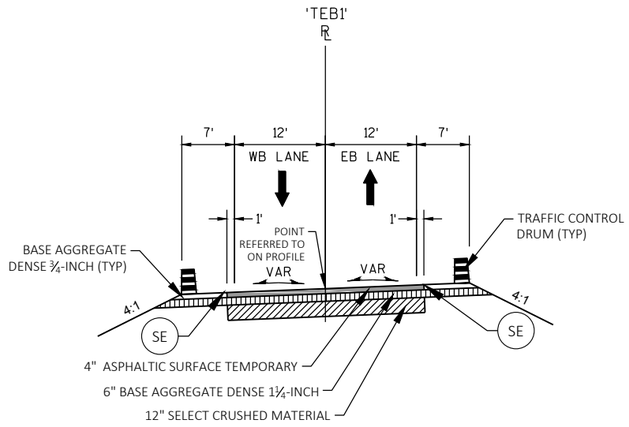
STH 19 - SUBSTAGES 1C, 1D & 1E

WIDENING ALONG EXISTING WB
STA. 231+97'TEB1' TO STA. 234+80'TEB1'



STH 19 - SUBSTAGES 1C, 1D & 1E

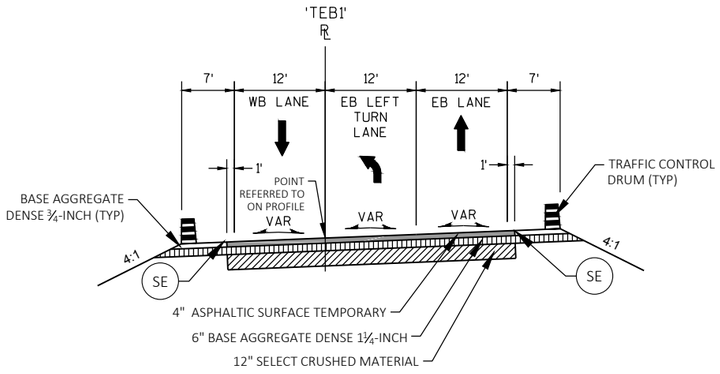
WIDENING ALONG EXISTING WB
STA. 234+80'TEB1' TO STA. 244+00'TEB1'



STH 19 - SUBSTAGE 1C

TEMPORARY 2-WAY MEDIAN CROSSOVER
STA. 258+00'TEB1' TO STA. 260+00'TEB1'

SE SAFETY EDGE PER SDD 14B29

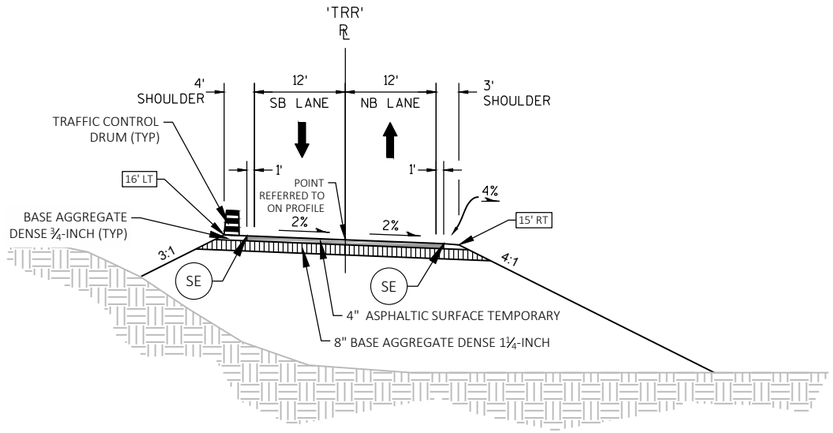


STH 19 - SUBSTAGE 1C

TEMPORARY 2-WAY MEDIAN CROSSOVER
STA. 274+50'TEB1' TO STA. 276+50'TEB1'

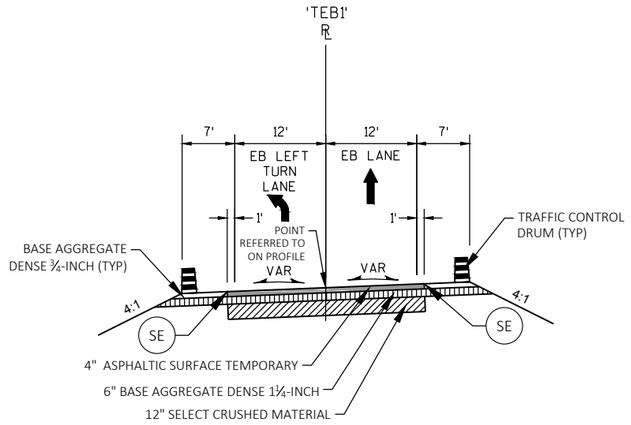
PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	TRAFFIC CONTROL - TYPICAL SECTIONS	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0250D_TC_TYPS.DWG
LAYOUT NAME - 01
PLOT DATE : 4/23/2019 12:16 PM
PLOT BY : MUENCH, DOUGLAS
PLOT NAME :
PLOT SCALE : 1 IN:20 FT_1
WISDOT/CADDS SHEET 42



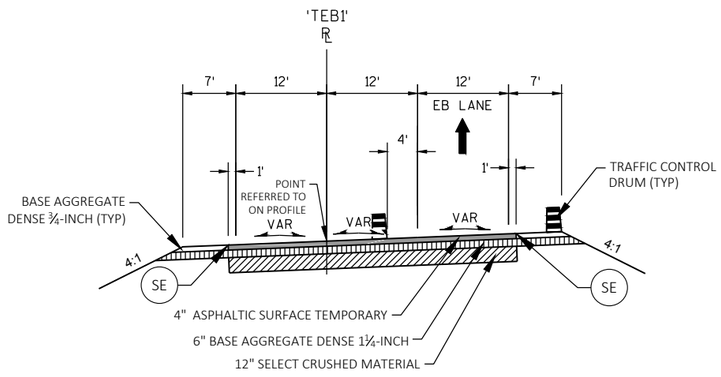
SOUTH RIVER ROAD - SUBSTAGE 1C

TEMPORARY ROADWAY



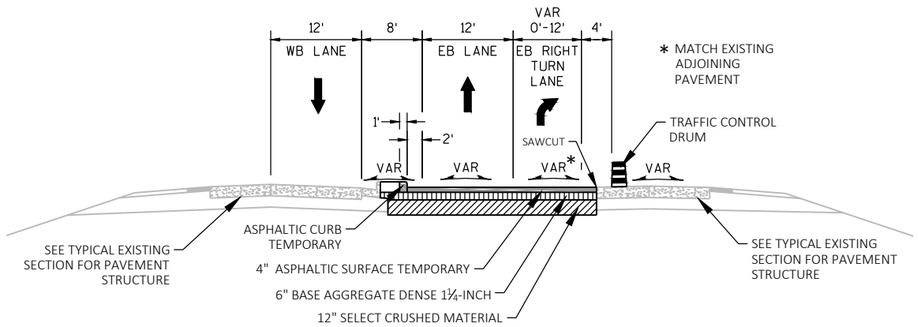
STH 19 - SUBSTAGE 1D

TEMPORARY EB MEDIAN CROSSOVER
STA. 258+00'TEB1' TO STA. 260+00'TEB1'



STH 19 - SUBSTAGES 1D

TEMPORARY EB MEDIAN CROSSOVER
STA. 274+50'TEB1' TO STA. 276+50'TEB1'

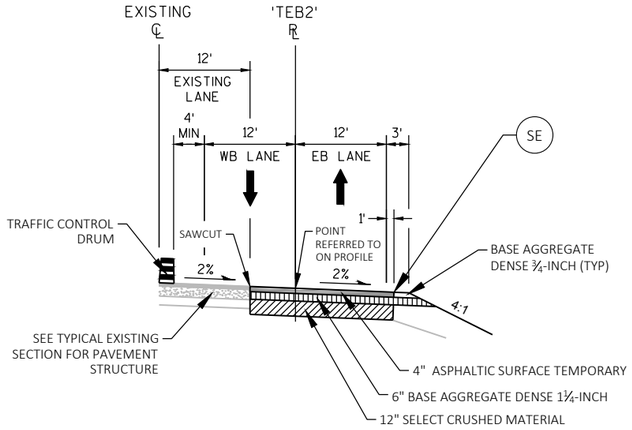


STH 19 - SUBSTAGE 1D

TEMPORARY EB SHIFT
STA. 188+15'WB', LT TO STA. 194+70'WB', RT

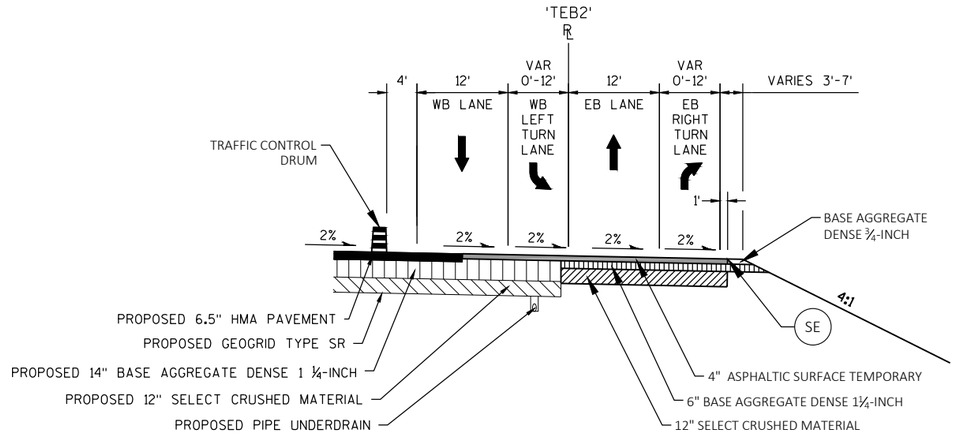
(SE) SAFETY EDGE PER SDD 14B29

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	TRAFFIC CONTROL - TYPICAL SECTIONS	SHEET	E



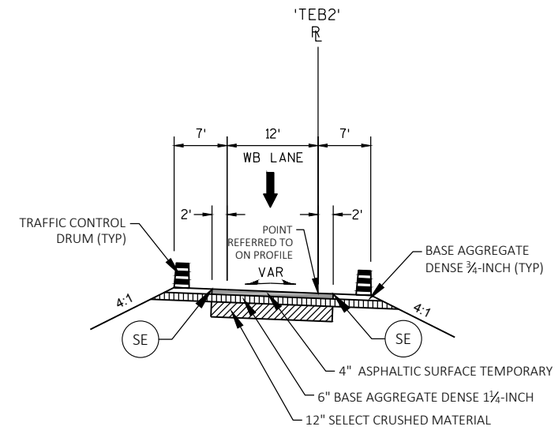
STH 19 - SUBSTAGE 2A

WIDENING ALONG EXISTING EB
STA. 231+38'TEB2' TO STA. 234+80'TEB2'



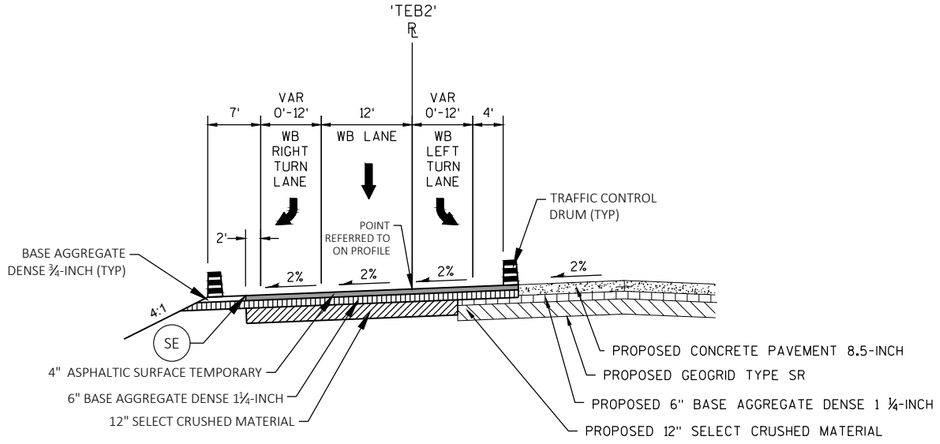
STH 19 - SUBSTAGE 2A

WIDENING ALONG PROPOSED EB
STA. 234+80'TEB2' TO STA. 243+50'TEB2'



STH 19 - SUBSTAGES 2A & 2B

TEMPORARY WB MEDIAN CROSSOVER
STA. 258+50'TEB2' TO STA. 261+50'TEB2'

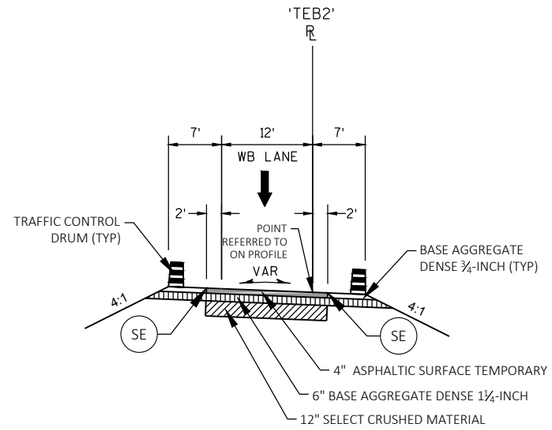


STH 19 - SUBSTAGE 2A

TEMPORARY WB MEDIAN CROSSOVER
STA. 273+50'TEB2' TO STA. 275+50'TEB2'

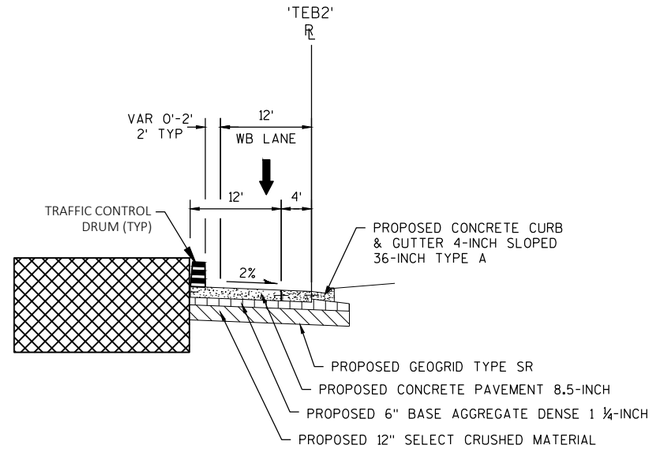
(SE) SAFETY EDGE PER SDD 14B29

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	TRAFFIC CONTROL - TYPICAL SECTIONS	SHEET	E



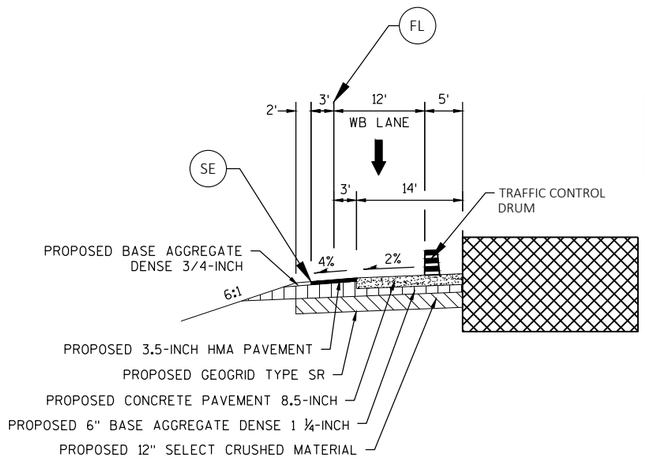
STH 19 - SUBSTAGE 2A

TEMPORARY WB MEDIAN CROSSOVER
STA. 292+50'TEB2' TO STA. 294+50'TEB2'



STH 19 - SUBSTAGE 2A

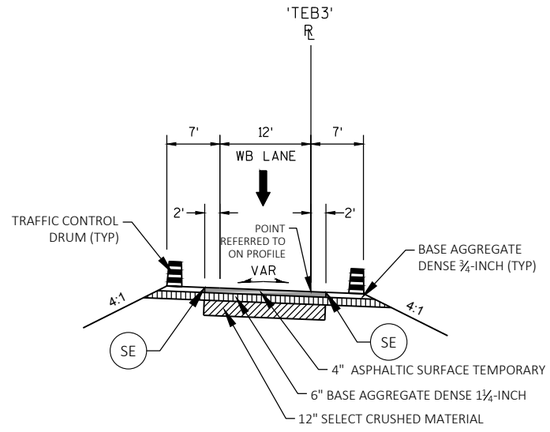
WB LANE SHIFT
STA. 294+50'TEB2' TO STA. 295+35'TEB2'



FL LOCATION OF FLAGLINE FOR EXISTING CURB & GUTTER, EAST OF STA. 194+73'WB'

STH 19 - SUBSTAGE 2B-RAB

WB LANE SHIFT
STA. 187+00'WB' LT TO STA. 198+50'WB' LT



STH 19 - SUBSTAGES 2A & 2B

TEMPORARY WB MEDIAN CROSSOVER
STA. 248+50'TEB3' TO STA. 251+00'TEB3'

SE SAFETY EDGE PER SDD 14B29

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	TRAFFIC CONTROL - TYPICAL SECTIONS	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0250D_TC_TYPS.DWG
LAYOUT NAME - 04
PLOT DATE : 4/23/2019 12:16 PM
PLOT BY : MUENCH, DOUGLAS
PLOT NAME :
PLOT SCALE : 1 IN:20 FT_1
WISDOT/CADDS SHEET 42

2

2

N

CONSTRUCT
TEMPORARY WIDENING

15C12
15D28

W06-3

DO NOT
ENTER
R5-1
36"X36"

19

128EB
130EB
132EB
134WB
136WB
138WB
138EB
140WB
140EB

19

W06-1

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	SUBSTAGE 1A	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0261_1A.DWG
LAYOUT NAME - 01

PLOT DATE : 4/29/2019 11:17 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

INT - INTERMITTENT OVERNIGHT CLOSURE OF RIVER RD - NORTH

N

RIVER RD

INT
15C2b-E

INT
R3-2
24"X24"

WRONG WAY
R5-1A
42"X30"

CONSTRUCT TEMPORARY WIDENING

15C12
15D28

INT
15C2b-D

CONSTRUCT TEMPORARY WIDENING

DO NOT ENTER
R5-1
36"X36"

INT
R3-1
24"X24"

15C12
(OVERNIGHT)

19

142WB
142EB
144WB
144EB

STOP
R1-1
36"X36"

-REMOVE MEDIAN AND PORK CHOP ISLAND, AND PLACE TEMPORARY PAVEMENT
-MAINTAIN TWO-WAY TRAFFIC ON STH 19 AND RIVER RD

146EB
148WB
148EB
150WB
152WB
152EB
154WB
154EB
156WB
156EB

W06-3

W06-1

YAHARA RIVER

54RNB

52RNB

50RNB RIVER RD

STOP
R1-1
36"X36"

WRONG WAY
R5-1A
42"X30"

DO NOT ENTER
R5-1
36"X36"

15C12
15D28

CONSTRUCT EB STH 19

CONSTRUCT TEMPORARY WIDENING ALONG NB RIVER RD

W06-1

STA. 47'00'RNB' RT

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	SUBSTAGE 1A	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0261_1A.DWG
LAYOUT NAME - 02

PLOT DATE : 4/29/2019 11:17 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

(INT) - INTERMITTENT OVERNIGHT CLOSURE OF LIUNA WAY

FOR TRAFFIC CONTROL AFTER LIUNA WAY IS RECONSTRUCTED, SEE SUBSTAGE 1B

TRUCK TO INTERSTATE 39/90 94

MOVE (PAID FOR AS "TRAFFIC CONTROL SIGNS")

INSTALL STORM SEWER PIPE UNDER FLAGGING 15C12 WHEN LIUNA WAY IS FULLY CLOSED OVERNIGHT

15C12
15D28

NO PASSING ZONE
W14-3
48"X36"

CONSTRUCT TWO-WAY TEMPORARY MEDIAN CROSSOVER

SPEED LIMIT 45
W3-5
36"X36"

SPEED LIMIT 45
R2-1
30"X36"

INT
R3-1
36"X36"

INT
15C2b-D

STOP
R1-1
36"X36"

INT
R3-2
36"X36"

TIERNEY XING

N

158WB 160WB 162WB 164WB 166WB 168WB 170WB 172WB

158EB 160EB 162EB 164EB 166EB 168EB 170EB 172EB

19

19

CONSTRUCT EB STH 19 AND PARK ACCESS

15C12
15D28

15C12
15D28

CONSTRUCT EB STH 19

LIUNA WAY

SPEED LIMIT 25
R2-1
30"X36"

MH WV GUY

2

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	SUBSTAGE 1A	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0261_1A.DWG
LAYOUT NAME - 03

PLOT DATE : 4/29/2019 11:17 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

N

CASHEL WAY

TEMPORARY ROADWAY

MOVE
Cashel Way
(PAID FOR AS "TRAFFIC CONTROL SIGNS")

CONSTRUCT TWO-WAY TEMPORARY MEDIAN CROSSOVER

15C12
15D28

174WB
176WB
178WB
180WB
182WB
184WB
186WB
188WB

19

174EB
176EB
178EB
180EB
182EB
184EB
186EB
188EB

15C12
15D28

CONSTRUCT EB STH 19

SPEED LIMIT 45
R2-1
30"X36"

MOVE
JCT 39 JCT 90 JCT 94
(PAID FOR AS "TRAFFIC CONTROL SIGNS")

LIUNA WAY

IP

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	SUBSTAGE 1A	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0261_1A.DWG
LAYOUT NAME - 04

PLOT DATE : 4/29/2019 11:17 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

TEMPORARY ROADWAY

SB I-39/90/94 TO STH 19

STH 19 TO NB I-39/90/94

N

2

19

188WB

190WB

192WB

194WB

196WB

198WB

188EB

190EB

192EB

194EB

196EB

198EB

19

ALL INTERCHANGE MOVEMENTS OPEN TO TRAFFIC

LIUNA WAY

STH 19 TO SB I-39/90/94

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	SUBSTAGE 1A	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0261_1A.DWG
LAYOUT NAME - 05

PLOT DATE : 4/29/2019 11:17 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

INT - INTERMITTENT OVERNIGHT CLOSURE OF LIUNA WAY

N

R3-1
36"X36"

ONE WAY
R6-2L
36"X48"

INT
15C2b-D

INT
R3-2
36"X36"

SEE SUBSTAGE 1A

EB RIGHT TURN PROHIBITED

4' MIN CLEAR WIDTH

25' TYP

MAINTAIN WB LEFT TURN

SEE SUBSTAGE 1A

19

162WB 164WB 166WB 168WB 170WB 172WB 174WB 176WB

162EB 164EB 166EB 168EB 170EB 172EB 174EB 176EB

16' MIN CLEAR WIDTH

CONSTRUCT EB STH 19

INSTALL STORM SEWER WHEN LIUNA WAY IS FULLY CLOSED OVERNIGHT

25' TYP

12' MIN CLEAR WIDTH

TRUCK TO INTERSTATE 39/90 94

MOVE
(PAID FOR AS "TRAFFIC CONTROL SIGNS")

TRT-4W

ROAD CLOSED
R11-2
48"X30"

ROAD CLOSED AHEAD
W20-3A

25' TYP

16' MIN CLEAR WIDTH

LIUNA WAY

WRONG WAY
R5-1A
42"X30"

DO NOT ENTER
R5-1
36"X36"

R3-2
24"X24"

W06-3

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	SUBSTAGE 1A-LNW1	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0261_1A-LNW1.DWG
LAYOUT NAME - 01

PLOT DATE : 4/29/2019 11:20 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

INT - INTERMITTENT OVERNIGHT CLOSURE OF LIUNA WAY

N

INT
R3-2
36"X36"

INT
R3-1
36"X36"

INT
15C2b-D

ONE WAY
R6-2L
36"X48"

ONE WAY
R6-2R
36"X48"

SEE SUBSTAGE 1A

SEE SUBSTAGE 1A

MAINTAIN WB
LEFT TURN

25' TYP

19

19

162WB 164WB 166WB 168WB 170WB 172WB 174WB 176WB

162EB 164EB 166EB 168EB 170EB 172EB 174EB 176EB

16' MIN CLEAR WIDTH

SM 18

SM 19

25' TYP

16' MIN CLEAR WIDTH

MH

GUY

TRUCK TO INTERSTATE 39/90 94

MOVE
(PAID FOR AS "TRAFFIC
CONTROL SIGNS")

ROAD CLOSED
R11-2
48"X30"

ROAD CLOSED AHEAD
W20-3A

LIUNA WAY

WRONG WAY
R5-1A
42"X30"

DO NOT ENTER
R5-1
36"X36"

R3-2
24"X24"

W06-3

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	SUBSTAGE 1A-LNW2	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0262_1A-LNW2.DWG
LAYOUT NAME - 01

PLOT DATE : 4/29/2019 11:24 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

N

BLOCK OFF END OF OLD PIPE
(INCIDENTAL TO OTHER ITEMS OF WORK)

MH

GUY

168+73WB
37' LT

169+5WB
37' LT

19

19

166WB

168WB

170WB

168+56WB
11' RT

166+00WB
12' RT

168+89WB
8' RT

168+64WB
11' RT

166+00WB
25' RT

168+64WB
26' RT

166EB

168EB

170EB

BLOCK OFF END OF PROPOSED PIPE
(INCIDENTAL TO OTHER ITEMS OF WORK)

9+34LWS
0'

9+50LWS

9+33LWS
26' RT

6"

9+00LWS

9+4LWS
0'

9+3LWS
26' RT

8+50LWS

LIUNA WAY

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	SUBSTAGE 1A - PAVING DETAILS & DRAINAGE	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0262_1AX (PD AND DR).DWG
LAYOUT NAME - 01

PLOT DATE : 4/23/2019 2:32 PM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

N

ROAD CLOSED
R11-2
48"X30"

2 BARRICADES

SLOPE INTERCEPTS FOR CONSTRUCTION STAGING TEMPORARY WIDENING (TYP)

2 BARRICADES

ROAD CLOSED
R11-2
48"X30"

GUY

GUY

GUY

GUY

19

232TEB1

234TEB1

236TEB1

238TEB1

240TEB1

19

CW-4
(WHITE-SOLID)

W06-1

W06-3

DO NOT ENTER
R5-1
36"X36"

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	SUBSTAGE 1B	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0262_1B.DWG
LAYOUT NAME - 01

PLOT DATE : 4/29/2019 11:29 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

N

SLOPE INTERCEPTS FOR CONSTRUCTION STAGING TEMPORARY WIDENING

2 BARRICADES

2 BARRICADES

ROAD CLOSED
R11-2
48"X30"

ROAD CLOSED
R11-2
48"X30"

DO NOT ENTER
R5-1
36"X36"

SLOPE INTERCEPTS FOR CONSTRUCTION STAGING TEMPORARY WIDENING

CW-4
(WHITE-SOLID)

(DOUBLE YELLOW-SOLID)
CW-4

WO6-1

242TEB1

244TEB1

246TEB1

248TEB1

250TEB1

252TEB1

254TEB1

256TEB1

19

WRONG WAY
R5-1A
42"X30"

CW-4
(WHITE-SOLID)

ROAD CLOSED
R11-2
48"X30"

2 BARRICADES

WRONG WAY
R5-1A
42"X30"

DO NOT ENTER
R5-1
36"X36"

CW-4
(WHITE-SOLID)

YAHARA RIVER

RIVER RD

RIVER RD

501TRR

502TRR

503TRR

SLOPE INTERCEPTS FOR CONSTRUCTION STAGING TEMPORARY WIDENING (TYP)

CONTINUE CONSTRUCTING PROPOSED EB STH 19

WO6-3

CONTINUE CONSTRUCTING PARK ACCESS (MAY BE USED AS ACCESS TO BRIDGE CONSTRUCTION)

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	SUBSTAGE 1B	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0262_1B.DWG
LAYOUT NAME - 02

PLOT DATE : 4/29/2019 11:30 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

N

TIERNEY XING

ROAD CLOSED
R11-2
48"X30"

CW-4
(WHITE-SOLID)

2 BARRICADES

SPEED LIMIT 45
W3-5
36"X36"

SPEED LIMIT 45
R2-1
30"X36"

3 BARRICADES

CW-4
(WHITE-SOLID)

ROAD CLOSED
R11-2
48"X30"

ROAD CLOSED
R11-2
48"X30"

CW-4
(WHITE-SOLID)

STOP
R1-1
36"X36"

TE-SL

19

258TEB1

260TEB1

262TEB1

264TEB1

266TEB1

268TEB1

270TEB1

272TEB1

19

CW-4
(DOUBLE YELLOW ℄)

3 BARRICADES

NO PASSING ZONE
W14-3
48"X36"

CONTINUE CONSTRUCTING PARK ACCESS (MAY BE USED AS ACCESS TO BRIDGE CONSTRUCTION)

TRUCK TO INTERSTATE 39/90 94

MOVE
(PAID FOR AS "TRAFFIC CONTROL SIGNS")

SPEED LIMIT 25
R2-1
24"X30"

LIUNA WAY

MH

MH

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	SUBSTAGE 1B	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0262_1B.DWG
LAYOUT NAME - 03

PLOT DATE : 4/29/2019 11:30 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

N

CASHEL WAY

TEMPORARY ROADWAY

SEE SUBSTAGE 1A

MOVE
Cashel Way
(PAID FOR AS "TRAFFIC CONTROL SIGNS")

ROAD CLOSED
R11-2
48"X30"

CW-4
(WHITE-SOLID)

278TEB1

280TEB1

276TEB1

274TEB1

19

19

3 BARRICADES

CONTINUE CONSTRUCTING
EB STH 19

SPEED LIMIT
45
R2-1
30"X36"

MOVE
JCT 39 JCT 90 JCT 94
(PAID FOR AS "TRAFFIC CONTROL SIGNS")

LIUNA WAY

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	SUBSTAGE 1B	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0262_1B.DWG
LAYOUT NAME - 04

PLOT DATE : 4/29/2019 11:30 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

19

SLOPE INTERCEPTS FOR CONSTRUCTION
STAGING TEMPORARY WIDENING (TYP)

ROAD CLOSED
R11-2
48"X30"

2 BARRICADES

ROAD CLOSED
R11-2
48"X30"

STOP
R1-1
36"X36"

STOP
R1-1
36"X36"

CW-4
(WHITE-SOLID)

RIVER RD

TE-SL

CW-8
(WHITE
CHANNELIZING)

RIVER RD

48TRR
50TRR
52TRR
54TRR
56TRR

242TEB1
244TEB1
246TEB1
248TEB1
250TEB1

CW-4
(WHITE-SOLID)

STOP
R1-1
36"X36"

W03-1

SLOPE INTERCEPTS FOR CONSTRUCTION
STAGING TEMPORARY WIDENING (TYP)

CONTINUE CONSTRUCTING
PROPOSED EB STH 19

19

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	SUBSTAGE 1B	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0262_1B.DWG
LAYOUT NAME - 05

PLOT DATE : 4/29/2019 11:30 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

N

GUY

GUY

GUY

232TEB1

231+97TEB1
12' LT

234TEB1

MATCH EXISTING PAVEMENT EDGE

234+60TEB1
13' RT

236TEB1

238TEB

19

19

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	SUBSTAGE 1B - PAVING DETAILS & DRAINAGE	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0262_1BX (PD AND DR).DWG
LAYOUT NAME - 01

PLOT DATE : 4/30/2019 9:39 AM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

N

SLOPE INTERCEPTS FOR CONSTRUCTION
STAGING TEMPORARY WIDENING (TYP)

238TEB1

240TEB1

242TEB1

244

241+63TEB1
0'

13.0'

242+69TEB1
17' LT

241+92TEB1
13' RT

242+93TEB1
25' RT

MATCH EXISTING PAVEMENT EDGE

R = 1113'

19

19

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	SUBSTAGE 1B - PAVING DETAILS & DRAINAGE	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0262_1BX (PD AND DR).DWG
LAYOUT NAME - 02

PLOT DATE : 4/30/2019 9:39 AM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

N

TEMPORARY 18-INCH CULVERT EXTENSION

TEMPORARY 42-INCH CULVERT EXTENSION

CONCRETE PIPE COLLAR

CONCRETE PIPE COLLAR

RIVER ROAD

EXISTING 36-INCH CULVERT

SLOPE INTERCEPTS FOR CONSTRUCTION STAGING TEMPORARY WIDENING (TYP)

244+76TEB1
25' LT

244TEB1

MATCH EXISTING PAVEMENT EDGE

MATCH EXISTING PAVEMENT EDGES

245+57TEB1
25' LT

MATCH EXISTING PAVEMENT EDGE

247+50TEB1
25' LT

246TEB1

19

MATCH EXISTING PAVEMENT EDGE

TEMPORARY COVER PLATE

248TEB1

MATCH EXISTING PAVEMENT EDGES

TEMPORARY COVER PLATE

19

55+93TRR
25' LT

56+16TRR
14' RT

56TRR

R = 299'

55+8TRR
13' LT

INSTALL PORTION OF PERMANENT STORM SEWER. INCIDENTAL TO OTHER ITEMS OF WORK, TEMPORARILY SEAL UNEEDED STORM SEWER OPENINGS IN MANHOLE STRUCTURE UNTIL LATER STAGES.

RIVER ROAD

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	SUBSTAGE 1B - PAVING DETAILS & DRAINAGE	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0262_1BX (PD AND DR).DWG
LAYOUT NAME - 03

PLOT DATE : 4/30/2019 9:39 AM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

N

19

250TEB1

MATCH EXISTING PAVEMENT EDGES

252TEB1

254TEB1

256T

19

GUY

YAHARA RIVER

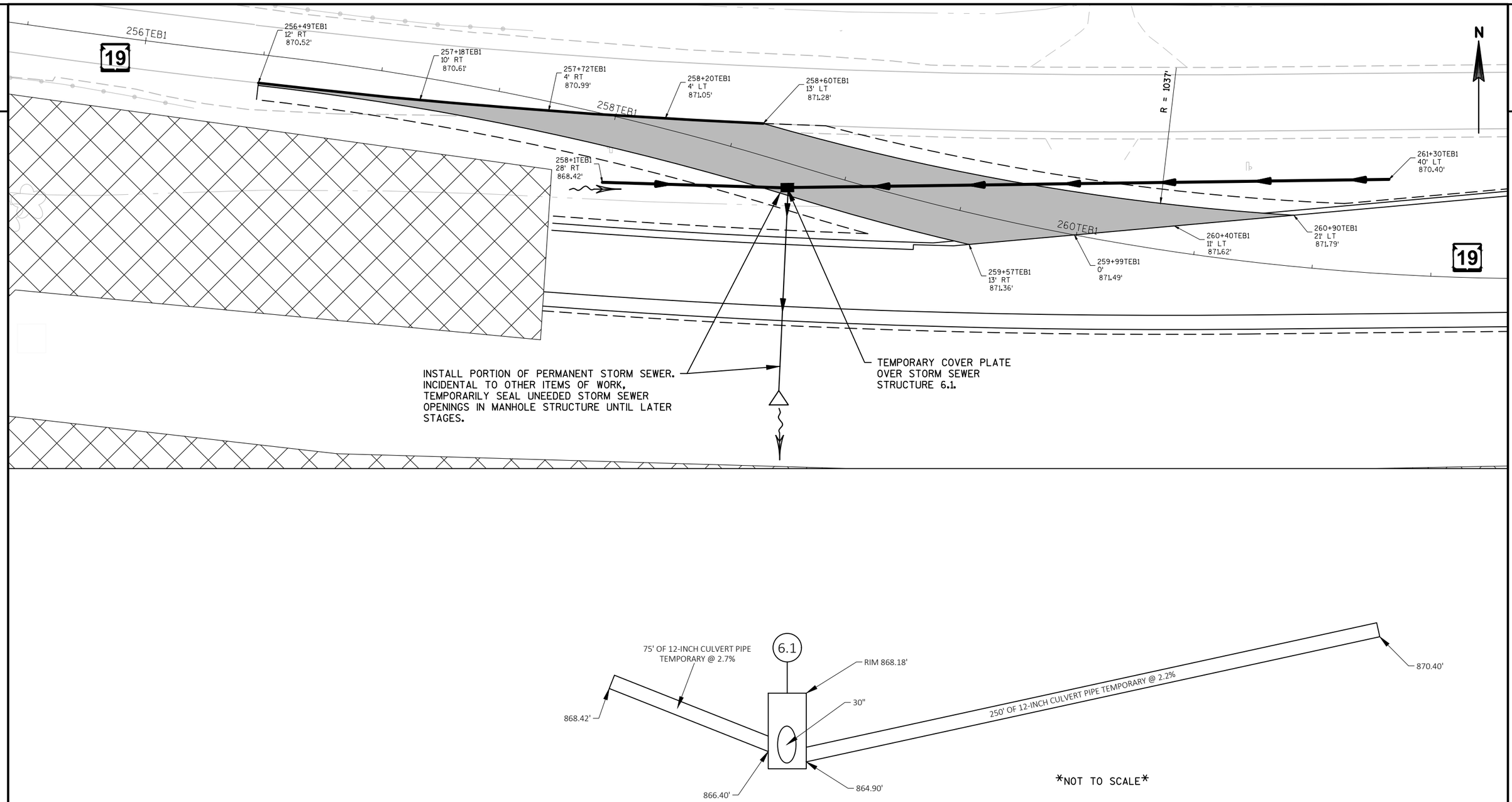
GUY

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	SUBSTAGE 1B - PAVING DETAILS & DRAINAGE	SHEET	E

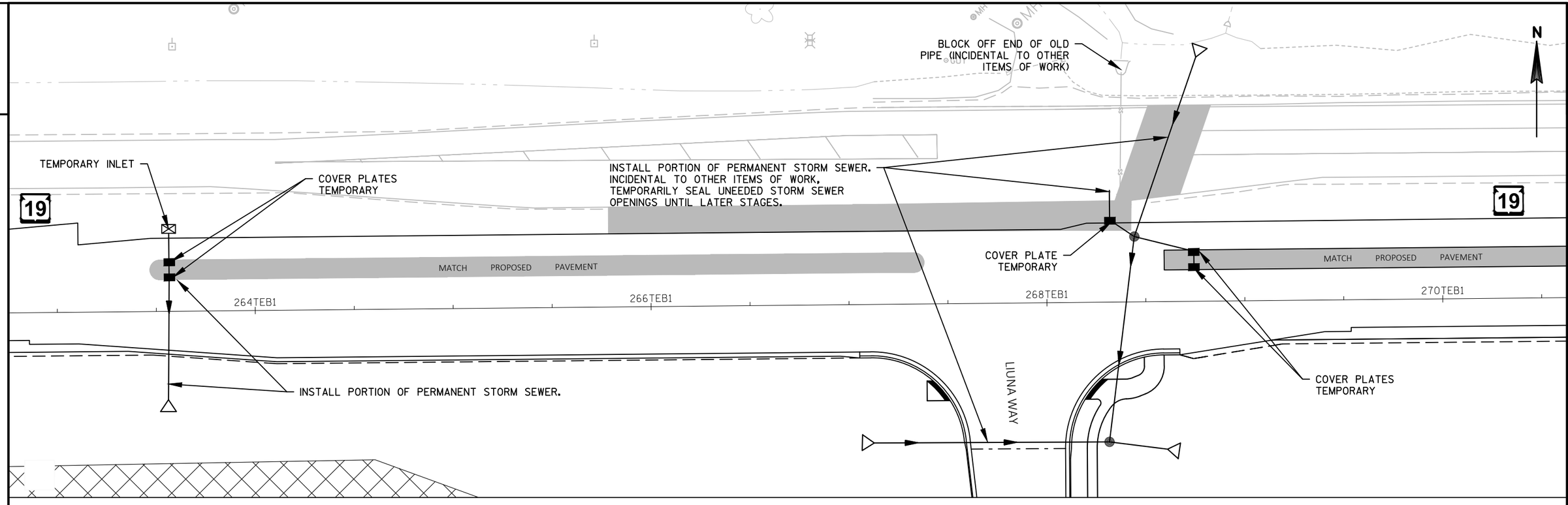
FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0262_1BX (PD AND DR).DWG
LAYOUT NAME - 04

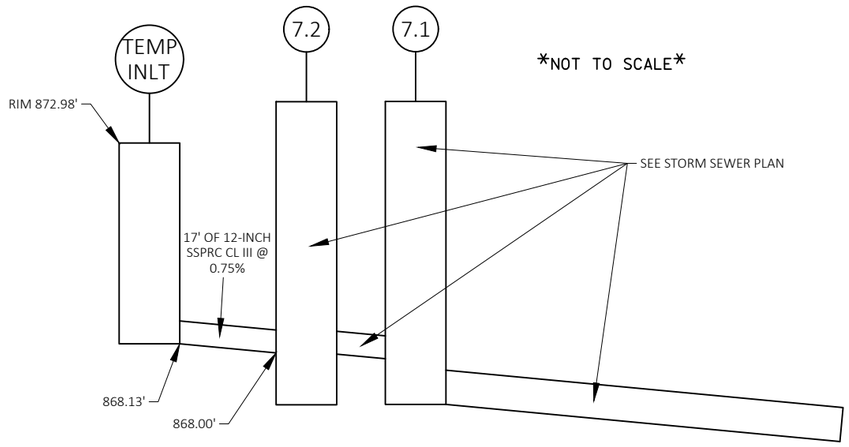
PLOT DATE : 4/30/2019 9:39 AM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : 1 IN:40 FT

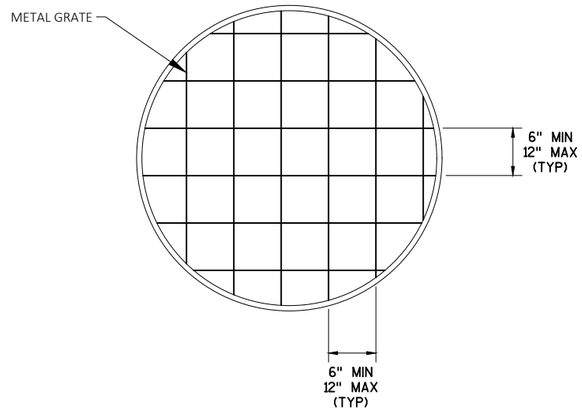
WISDOT/CADDS SHEET 42



PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	SUBSTAGE 1B - PAVING DETAILS & DRAINAGE	SHEET	E



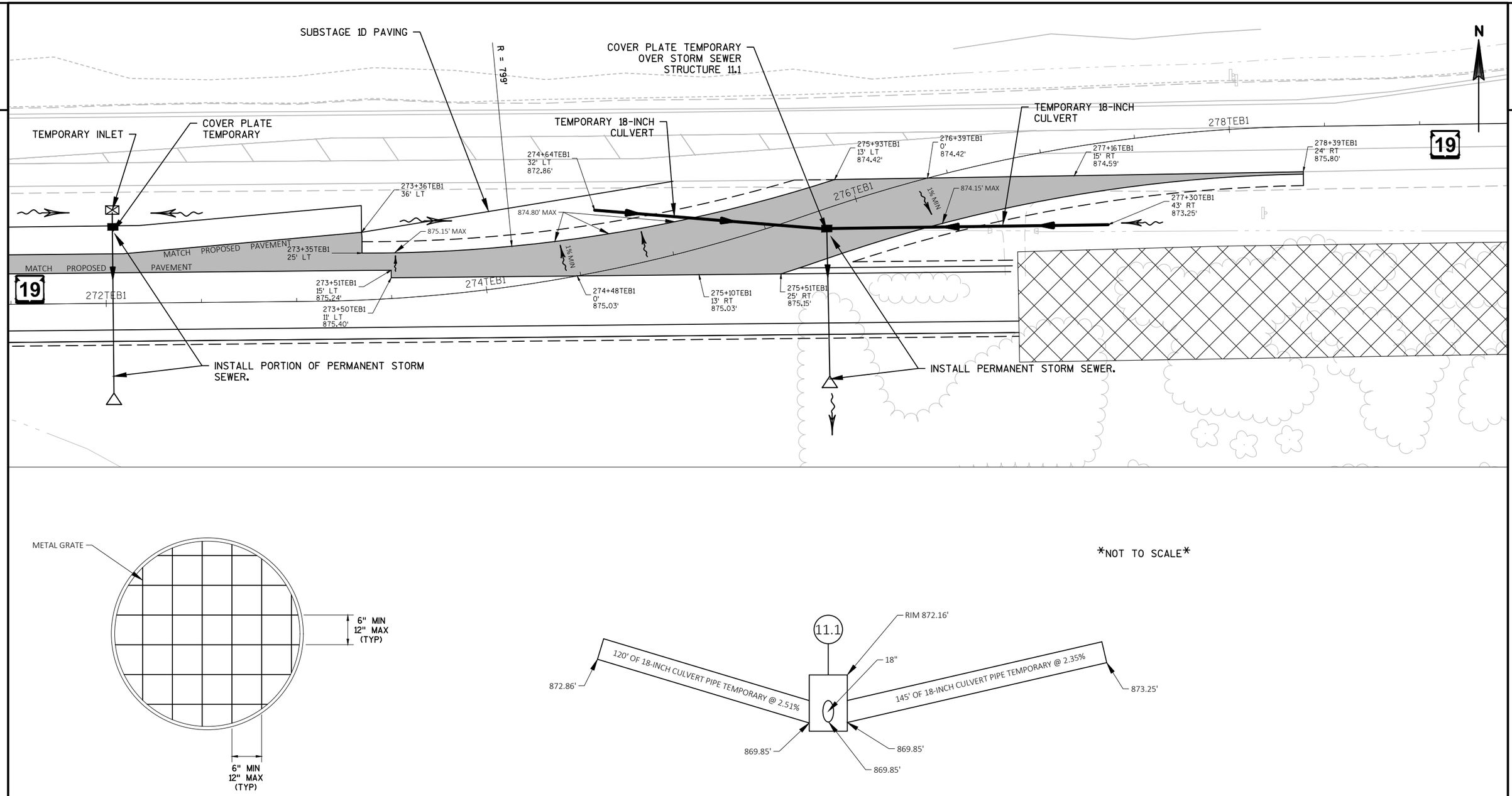




DETAIL FOR TEMPORARY INLET COVER

- COVER MAY BE CIRCULAR, RECTANGULAR, OR SQUARE.
- SUPPLY AND PLACEMENT OF COVER INCLUDED IN THE COST OF "INLETS TEMPORARY".

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	SUBSTAGE 1B - PAVING DETAILS & DRAINAGE	SHEET	E



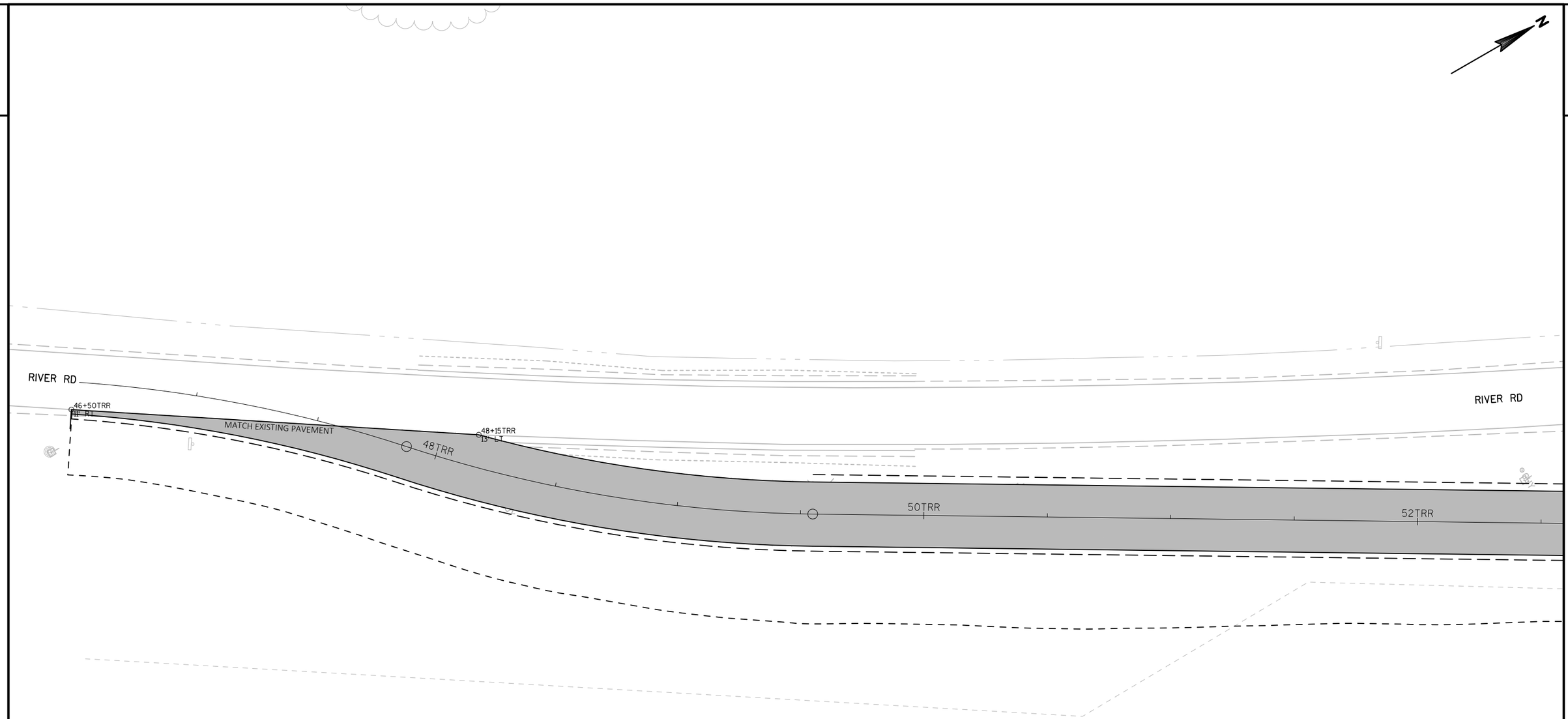
DETAIL FOR TEMPORARY INLET COVER

- COVER MAY BE CIRCULAR, RECTANGULAR, OR SQUARE.
- SUPPLY AND PLACEMENT OF COVER INCLUDED IN THE COST OF "INLETS TEMPORARY".

NOT TO SCALE

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	SUBSTAGE 1B - PAVING DETAILS & DRAINAGE	SHEET	E

2



PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	SUBSTAGE 1B - PAVING DETAILS & DRAINAGE	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0262_1BX (PD AND DR).DWG
LAYOUT NAME - 08

PLOT DATE : 4/30/2019 9:40 AM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

19

EXISTING 36-INCH
CULVERT

R = 299'

244TEB1

244+76
25' LT

RIVER RD

RIVER RD

CONCRETE PIPE COLLAR

55+8TRR
13' LT

55+93TRR
25' LT

MATCH
EXISTING
PAVEMENT

52TRR

54TRR

56TRR

246TEB1

56+16TRR
14' RT

SLOPE INTERCEPTS FOR CONSTRUCTION
STAGING TEMPORARY WIDENING (TYP)

TEMPORARY 18-INCH
CULVERT PIPE
INSTALL IN STAGE 1A
REMOVE IN STAGE 1D

INSTALL PORTION OF PERMANENT STORM SEWER.
INCIDENTAL TO OTHER ITEMS OF WORK,
TEMPORARILY SEAL UNEEDED STORM SEWER OPENINGS
IN MANHOLE STRUCTURE UNTIL LATER STAGES.

TEMPORARY 42-INCH
CULVERT EXTENSION

19

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	SUBSTAGE 1B - PAVING DETAILS & DRAINAGE	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0262_1BX (PD AND DR).DWG
LAYOUT NAME - 09

PLOT DATE : 4/30/2019 9:40 AM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

(DOUBLE-YELLOW CENTERLINE & WHITE EDGELINE)

R-WB-4

TP-4W

TP-4DY

GUY

GUY

GUY

GUY

232 EB1

234 EB1

236 EB1

238 EB1

240 EB1

50' TYP

50' TYP

19

19

15C12

15D28

WO1-4L

45 MPH

WO13-1
36"X36"

WO1-6
60"X30"

CONSTRUCT PROPOSED
EB STH 19 &
TEMPORARY WIDENING

WO6-1

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	SUBSTAGE 1C	SHEET	E

2

2

N

BEGIN CONSTRUCTING NORTH LEG OF RIVER RD

RIVER RD

W06-3

TP-4W

R1100.00'

19

TP-4DY

TP-D
(YELLOW)

15C2b-D

R-8

R-4

242TEB1

241+90TEB1
12' RT

242+90TEB1
24' RT

243TEB1

R-W
(18" STOPLINE)

TP-8W

245+00TEB1
24' RT

R50'

BEGIN RIGHT TURN LANE
R3-20R
36"X54"

ONLY ONLY
R3-8D
54"X48"

R60'

246+40TEB1
24' RT

56+08TRR
12' RT

55+94TRR
25' LT

R3-2
36"X36"

55+08TRR
12' LT

54TNB

54TTR

50' TYP

52TNB

52TTR

51TNB

50TNB

RIVER RD

R-4
(DOUBLE YELLOW CENTERLINE)

R4-7
36"X48"

R3-1
36"X36"

CONSTRUCT PROPOSED EB STH 19, TEMPORARY WIDENING, SOUTH LEG OF RIVER RD, AND RAB

SPEED LIMIT 45
W03-5

WO1-4L

45 MPH
WO13-1
36"X36"

R-4

TP-8W

246TEB1

248+40TEB1
0'

247+47TEB1
12' RT

TP-4W

249+36TEB1
12' LT

ONLY ONLY
R3-8E
54"X48"

TP-D
(YELLOW)

TP-4DY

248TEB1

R3000.00'

50' TYP

250TEB1

252TEB1

254TEB1

256TEB1

SPEED LIMIT 45
R2-1
36"X48"

W06-1

YAHARA RIVER

TP-4DY

19

15D28

CONTINUE CONSTRUCTING PROPOSED EB STH 19

WO1-4R

45 MPH
WO13-1
36"X36"

CONTINUE CONSTRUCTING PARK ACCESS (MAY BE USED AS ACCESS TO BRIDGE CONSTRUCTION)

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	SUBSTAGE 1C	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0262_1C.DWG
LAYOUT NAME - 02

PLOT DATE : 4/30/2019 10:28 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

N

TIERNEY XING

WO1-6
60"X30"

TEMPORARY MEDIAN CROSSOVER

TP-4W

WO6-3

WO6-2

WO1-4R

45
MPH

WO13-1
36"X36"

R3-2
36"X36"

WO1-7
60"X30"

CONSTRUCT PORTION OF WB STH 19 (INCLUDING CONNECTION TO TIERNEY XING

R3-1
36"X36"

ENTRANCE CLOSED

TRT-D
(YELLOW)

15C2b-D

(DOUBLE YELLOW CENTERLINE & WHITE EDGELINE)

R-4

R10-50

50' TYP

TEMPORARY PAVEMENT

TRT-4W

15D28

TEMPORARY PAVEMENT

19

19

258TEB1

260TEB1

262TEB1

264TEB1

266TEB1

268TEB1

270TEB1

272TEB1

50'TYP

TP-4DY

TRT-4W

TRT-4DY

15D28

P-SPM

R4-7
36"X48"

R-4
(DOUBLE YELLOW ℄)

TRT-8W

TRT-4W

P-SPM

TRT-4DY

TRT-SL

STOP

R1-1
36"X36"

WO1-4L

35
MPH

WO13-1
36"X36"

15C2b-D

WO6-1

WO1-6
60"X30"

CONTINUE CONSTRUCTING PARK ACCESS (MAY BE USED AS ACCESS TO BRIDGE CONSTRUCTION)

TRUCK
TO
INTERSTATE
39/90
94

MOVE
(PAID FOR AS "TRAFFIC CONTROL SIGNS")

SPEED LIMIT
25

R2-1
30"X36"

LIUNA WAY

MH

MH

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	SUBSTAGE 1C	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0262_1C.DWG
LAYOUT NAME - 03

PLOT DATE : 4/30/2019 10:28 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

N

TEMPORARY MEDIAN CROSSOVER

TRT-8W

R3-8E
54"X48"

15C2b-D

WO1-6
60"X30"

R-S
(TYPE 2
ARROW)

TP-4DY

(WHITE-SOLID)
R-8

TP-8W

50' TYP

TP-4W

278 TEB1

280TEB1

50' TYP

CASHEL WAY

PAVEMENT MARKING
WORD & ARROW TO
REMAIN

WO1-4L

35
MPH

WO13-1
36"X36"

TEMPORARY ROADWAY

19

19

R800.00'

276 TEB1

274TEB1

R-S
(WORD
"ONLY")

TP-W
"ONLY"

R-4
(DOUBLE YELLOW &
WHITE EDGELINE)

TRT-4W

TRT-4DY

TRT-8W
3' LINE, 9' SKIP

R800.00'

TP-A
(TYPE 2)

15C2b-D

MOVE
Cashel Way
(PAID FOR AS "TRAFFIC
CONTROL SIGNS")

WO1-6
60"X30"

R3-8E
54"X48"

CONTINUE CONSTRUCTING
EB STH 19

SPEED
LIMIT
45

R2-1
30"X36"

15D28

MOVE
JCT 39 JCT 90 JCT 94
(PAID FOR AS "TRAFFIC
CONTROL SIGNS")

LIUNA WAY

IP

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	SUBSTAGE 1C	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0262_1C.DWG
LAYOUT NAME - 04

PLOT DATE : 4/30/2019 10:28 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

TEMPORARY ROADWAY

SB I-39/90/94 TO STH 19

STH 19 TO NB I-39/90/94

N

19

LIUNA WAY

SIGN

MH

W

ALL INTERCHANGE MOVEMENTS OPEN TO TRAFFIC

STH 19 TO SB I-39/90/94

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	SUBSTAGE 1C	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0262_1C.DWG
LAYOUT NAME - 05

PLOT DATE : 4/30/2019 10:28 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

CONSTRUCT PROPOSED EB STH 19, TEMPORARY WIDENING, SOUTH LEG OF RIVER RD, AND RAB

BEGIN CONSTRUCTING NORTH LEG OF RIVER RD

R1100.00'

241+90TEB1
12' RT

242+90TEB1
24' RT

245+00TEB1
24' RT

246+40TEB1
24' RT

247+47TEB1
12' RT

248+40TEB1
0'

249+36TEB1
12' LT

55+08TRR
12' LT

55+94TR
25' LT

55+08TRR
12' RT

R60'

R-WB-4
(DOUBLE YELLOW & WHITE EDGELINE)

TP-DY

15C2b-D

TP-4W

TP-SL

15D28

RIVER RD

47'RNB'

48'RNB'

49'RNB'

50'RNB'

51'RNB'

52'RNB'

53'RNB'

54'RNB'

55'RNB'

50'RR

52'RR

54'RR

56'RR

50' TYP

WO3-1

WO1-3R

25 MPH
WO13-1
24"X24"

150' MIN. IN ADVANCE OF FIRST CURVE

STOP
R1-1
36"X36"

WO1-7
60"X30"

CONTINUE CONSTRUCTING PROPOSED EB STH 19

19

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	SUBSTAGE 1C	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0262_1C.DWG
LAYOUT NAME - 06

PLOT DATE : 4/30/2019 10:28 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

CONSTRUCTED IN SUBSTAGE 1C

CONSTRUCTED IN SUBSTAGE 1C

CONSTRUCTED IN SUBSTAGE 1C
INCLUDING CURB & GUTTER

50'RNB'

RIVER RD

51'RNB'

52'RNB'

53'RNB'

54'RNB'

55'RNB'

245+00TEB1
24' RT

RIVER RD

19

50TRR

52TRR

54TRR

CONSTRUCTED IN SUBSTAGE 1D

CONSTRUCTED IN SUBSTAGE 1D

55+08TRR
12' LT

55+94TRR
25' LT

19

56+
12'

CONSTRUCTED IN SUBSTAGE 1D

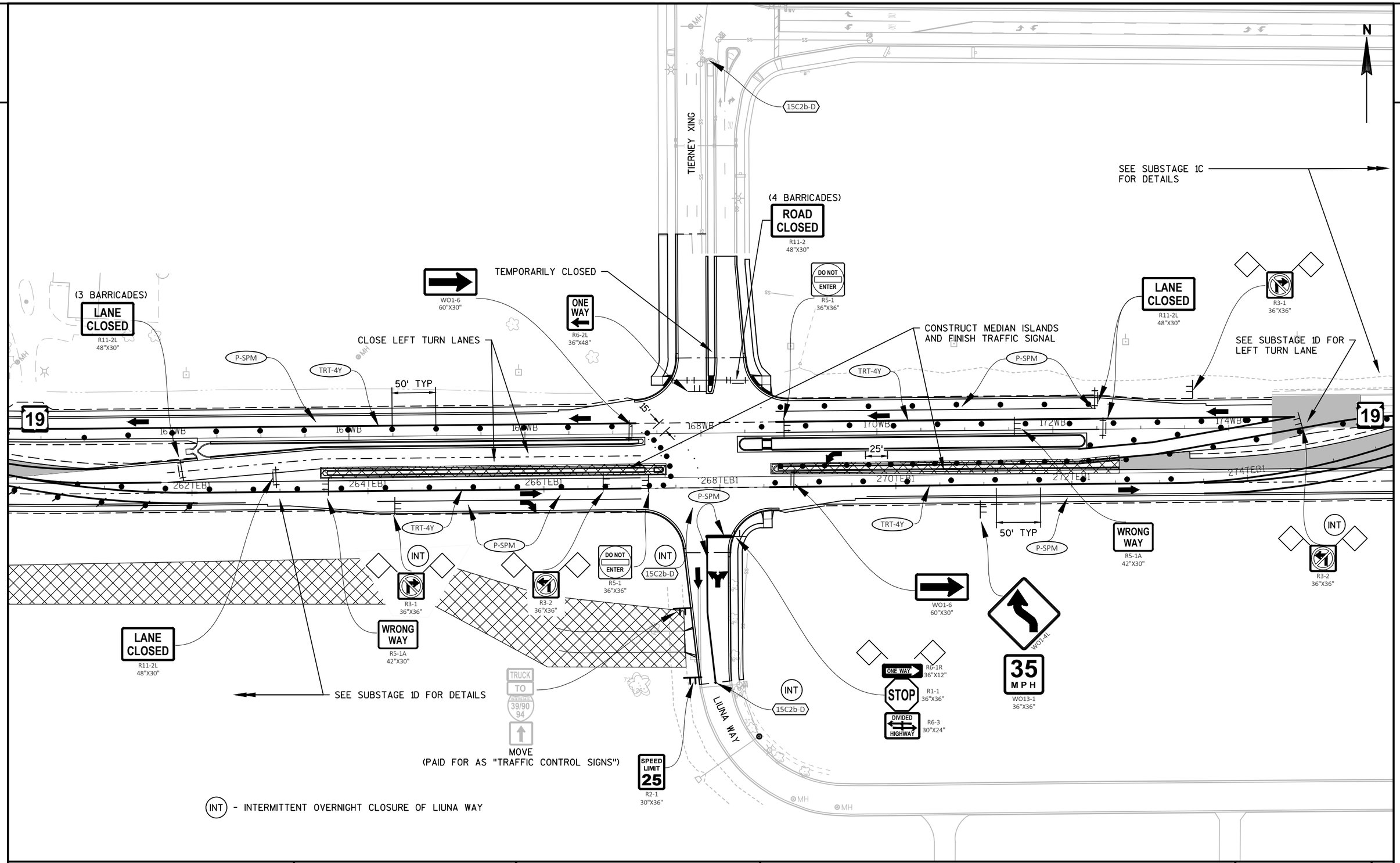
* CONSTRUCT TEMPORARY GRAVEL SHOULDER IN SUBSTAGE 1C, REMOVE/REPLACE IN SUBSTAGE 1D

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	SUBSTAGE 1C	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0262_1C.DWG
LAYOUT NAME - 07

PLOT DATE : 4/30/2019 10:28 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42



PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	SUBSTAGE 1D-LNW	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0263_1D-LNW_MED.DWG
LAYOUT NAME - LNW

PLOT DATE : 4/30/2019 1:27 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1"=100'

2

N

PERMANENTLY CLOSED

TEMPORARY ROADWAY

ROAD CLOSED
R11-2
48"X30"

15C2b-D

SEE SUBSTAGE 1D FOR DETAILS

WO1-6
60"X30"

TP-4Y

TP-4W

R3-1
36"X36"

FOR WB STH 19, RESTRICT REMOVABLE TAPE YELLOW EDGELINE & LIGHTED DRUMS TO THE HOURS OF 9PM TO 6AM

AVOID PULL BOX

WO4-2L

10' MIN CLEAR WB LEFT LANE

SB I-39/90/94 TO STH 19

INTERSTATE 39
INTERSTATE 90
INTERSTATE 94

SHIFT MARKING 2'
(9PM TO 6AM ONLY)

TRT-4Y

MH

19

50' TYP

184WB

186WB

188WB

190WB

192WB

194WB

196WB

198WB

19

TP-4W

200' MIN

R-8

15C2b-D

R3-1
36"X36"

15C12

15D28

50' TYP

AVOID PULL BOX

ROAD CLOSED
R11-2
48"X30"

WO1-4R

35
MPH
WO13-1
36"X36"

LIUNA WAY

IP

TEMPORARILY CLOSED

15C2b-D

STH 19 TO SB I-39/90/94

2

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	SUBSTAGE 1D-MED	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0263_1D-LNW_MED.DWG
LAYOUT NAME - MED

PLOT DATE : 4/30/2019 1:27 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1"=100'

2

2

N

R-4 (DOUBLE YELLOW CENTERLINES & WHITE EDGELINE)
R-8 (WHITE CHANNELIZING LINE)
R-W (YELLOW 12" DIAGONAL)

15C2b-D

CONTINUE CONSTRUCTING NORTH LEG OF RIVER RD

RIVER RD

R4-7
36"X48"

WO1-7
60"X30"

WO1-4L

45 MPH
WO13-1
36"X36"

TP-4DY EXTEND

TP-8W EXTEND

ONLY ONLY
R3-8E
54"X48"

242 TEB1

243 TEB1

246 TEB1

248 TEB1

250 TEB1

252 TEB1

254 TEB1

256 TEB1

148WB

150WB

152WB

154WB

156WB

19

244+12TEB1
24' RT

244+61TEB1
66' RT

244+71TEB1
126' RT

244+97TEB1
81' RT

245+50TEB1
24' RT

246+57TEB1
12' RT

R50

R60

TP-SL

50' TYP

R3-2
36"X36"

CONTINUE CONSTRUCTING PROPOSED EB STH 19, TEMPORARY WIDENING, SOUTH LEG OF RIVER RD, AND RAB

WO6-1

SPEED LIMIT 45
R2-1
36"X48"

YAHARA RIVER

MH

GV

STOP
R1-1
36"X36"

TRT-4W

TRT-4DY

SPEED LIMIT 35
R2-1
24"X30"

TRT-4W

52' RMB

54' RMB

50' TYP

RIVER RD

REMOVE TEMPORARY WIDENING AND FINISH SOUTH LEG OF RIVER RD

WO3-1

SPEED LIMIT 45
WO3-5

CONTINUE CONSTRUCTING PROPOSED EB STH 19

WO6-3

WO1-4R

45 MPH
WO13-1
36"X36"

CONTINUE CONSTRUCTING PARK ACCESS (MAY BE USED AS ACCESS TO BRIDGE CONSTRUCTION)

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	SUBSTAGE 1D	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0264_1D.DWG
LAYOUT NAME - 02

PLOT DATE : 4/30/2019 1:35 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

CONSTRUCTED IN SUBSTAGE 1C

CONSTRUCTED IN SUBSTAGE 1C

CONSTRUCTED IN SUBSTAGE 1C
INCLUDING CURB & GUTTER

50RNB

RIVER RD

54RNB

52RNB

RIVER RD

244+12TEB1
24' RT

244+61TEB1

R50'

244+71TEB1
126' RT

244+97TEB1
81' RT

19

19

CONSTRUCTED IN SUBSTAGE 1D

CONSTRUCTED IN SUBSTAGE 1D

CONSTRUCTED IN SUBSTAGE 1D

1:1

1:1

* CONSTRUCT TEMPORARY GRAVEL SHOULDER IN SUBSTAGE 1C, REMOVE/REPLACE IN SUBSTAGE 1D

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	SUBSTAGE 1D	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0264_1D.DWG
LAYOUT NAME - 03

PLOT DATE : 4/30/2019 1:35 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

N

WO6-3

WO1-6
60"X30"

TEMPORARY MEDIAN
CROSSOVER FOR
EB TRAFFIC

BEGIN
LEFT
TURN
LANE
R3-20L
36"X54"

TP-4Y

ONE
WAY
R6-2R
24"X30"

WO6-2

P-SPM

TRT-4Y

TRT-4W

WO1-6
60"X30"

259+08TEB1
12' LT

260+80TEB1
8' LT

261+14TEB1
26' LT

160WB

162WB

164WB

166WB

168WB

170WB

172WB

19

258+09TEB1
0' RT

259+50TEB1
12' LT

260TEB1

262TEB1

264TEB1

266TEB1

268TEB1

270TEB1

272TEB1

R500'

R300'

50'TYP

TIERNEY XING

LANE
CLOSED
R11-2L
48"X30"
(CLOSE MIDDLE
LANE)

TRAFFIC SIGNAL IN SERVICE.
PERMANENT MEDIAN THRU
LANE CLOSED FOR EB STH 19
& WB STH 19

LANE
CLOSED
R11-2L
48"X30"

DO NOT
ENTER
R5-1
36"X36"

P-SPM

TRT-4Y

WRONG
WAY
R5-1A
42"X30"

TRT-8W
(3' LINE,
9' SKIP)

TRT-4W

TRT-8W

TRT-4Y

259+86TEB1
0' LT

15D28

P-SPM

50'TYP

DO NOT
ENTER
R5-1
36"X36"

TRT-4W

TRT-4Y

P-SPM

WO1-4L

35
MPH
WO13-1
36"X36"

WO6-2

WO6-1

WO3-3

LANE
CLOSED
R11-2L
48"X30"

WRONG
WAY
R5-1A
42"X30"

DEAD
END
WO14-1

LIUNA WAY

P-SPM

MH

MH

MH

CONTINUE CONSTRUCTING PARK
ACCESS (MAY BE USED AS
ACCESS TO BRIDGE
CONSTRUCTION)

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	SUBSTAGE 1D	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0264_1D.DWG
LAYOUT NAME - 04

PLOT DATE : 4/30/2019 1:35 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

N

TUBULAR MARKERS @ 25'

TUBULAR MARKERS @ 50'

CASHEL WAY

TEMPORARY ROADWAY

PERMANENTLY CLOSED

15C2b-D

BEGIN LEFT TURN LANE
R3-20L
36"X54"

WO3-3

MAINTAIN RIGHT-IN/OUT ACCESS

WO1-4L

35 MPH
WO13-1
36"X36"

ROAD CLOSED
R11-2
48"X30"

19

TRT-4Y
TRT-4W
TRT-8W
P-SPM
TP-4W
TP-4Y

275+11TEB1
43' LT
275+94TEB1
26' LT
278+39TEB1
12' LT
174+74WB
12' LT
R824'
25'
278TEB1
280TEB1
P.I.
182+44WB
15' LT
4' TYP
50'
P.I.
186+00WB
22' LT
50'TYP
P.I.
187+98WB
22' LT
174WB
176WB
178WB
180WB
182WB
184WB
186WB
188WB
276TEB1
R788'
R500'
277+42TEB1
12' LT
273+51TEB1
1' RT
276+44TEB1
12' LT
275+91TEB1
12' RT
50'TYP

273+08TEB1
0'
272+94TEB1
33' LT
272+93TEB1
47' LT
WO1-6
60"X30"

LANE CLOSED
R11-2L
48"X30"
R3-2
36"X36"

SPEED LIMIT 45
R2-1
30"X36"

MOVE
JCT 39 JCT 90 JCT 94
(PAID FOR AS "TRAFFIC CONTROL SIGNS")

R3-1
36"X36"
ROAD CLOSED
R11-2
48"X30"

LIUNA WAY

TEMPORARY MEDIAN CROSSOVER FOR EB TRAFFIC

CONTINUE CONSTRUCTING PROPOSED EB STH 19 (INCLUDING EASTERN ACCESS OF LIUNA WAY)

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	SUBSTAGE 1D	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0264_1D.DWG
LAYOUT NAME - 05

PLOT DATE : 4/30/2019 1:35 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

15C2b-D

TEMPORARY ROADWAY

PERMANENTLY CLOSED

TP-4Y

ROAD CLOSED
R11-2
48"X30"

R3-1
36"X36"

1' TEMPORARY ASPHALT CURB
(MATCH INTO EXISTING CURB &
GUTTER AT END)

WO1-6
60"X30"

AVOID PULL BOX

SB I-39/90/94 TO STH 19

STH 19 TO NB I-39/90/94

INTERSTATE 39
INTERSTATE 90
INTERSTATE 94

N

19

P.I.
187+98WB
22' LT

4" TYP

P.I.
188+98WB
20' LT

P.I.
189+50WB
18' LT

TP-4W

TP-4Y

TP-A
(TYPE 2)

PC
193+25WB
8' RT

PCC
194+15WB
22' RT

PT
195+14WB
33' RT

TRT-4Y

TRT-8W

R = 410'

188WB

190WB

192WB

194WB

196WB

198WB

SIGN

MH

W

190+38WB
0' LT

191+86WB
20' RT

193+25WB
30' RT

194+13WB
33' RT

TRT-4W

TP-W
("ONLY")

R = 525'

R-4
(WHITE DASH)

TP-8W

LANE CLOSED
R11-2L
48"X30"

ALL INTERCHANGE
MOVEMENTS OPEN TO
TRAFFIC

WO1-4R

35
MPH
WO13-1
36"X36"

WO3-3

ONLY ONLY
R3-8D
54"X48"

BEGIN
RIGHT
TURN
LANE
R3-20R
36"X54"

LIUNA WAY

IP

SOUTH EAST EAST
INTERSTATE 39 INTERSTATE 90 INTERSTATE 94
(MOVE)

(PAID FOR AS "TRAFFIC
CONTROL SIGNS")

15C2b-D

STH 19 TO SB I-39/90/94

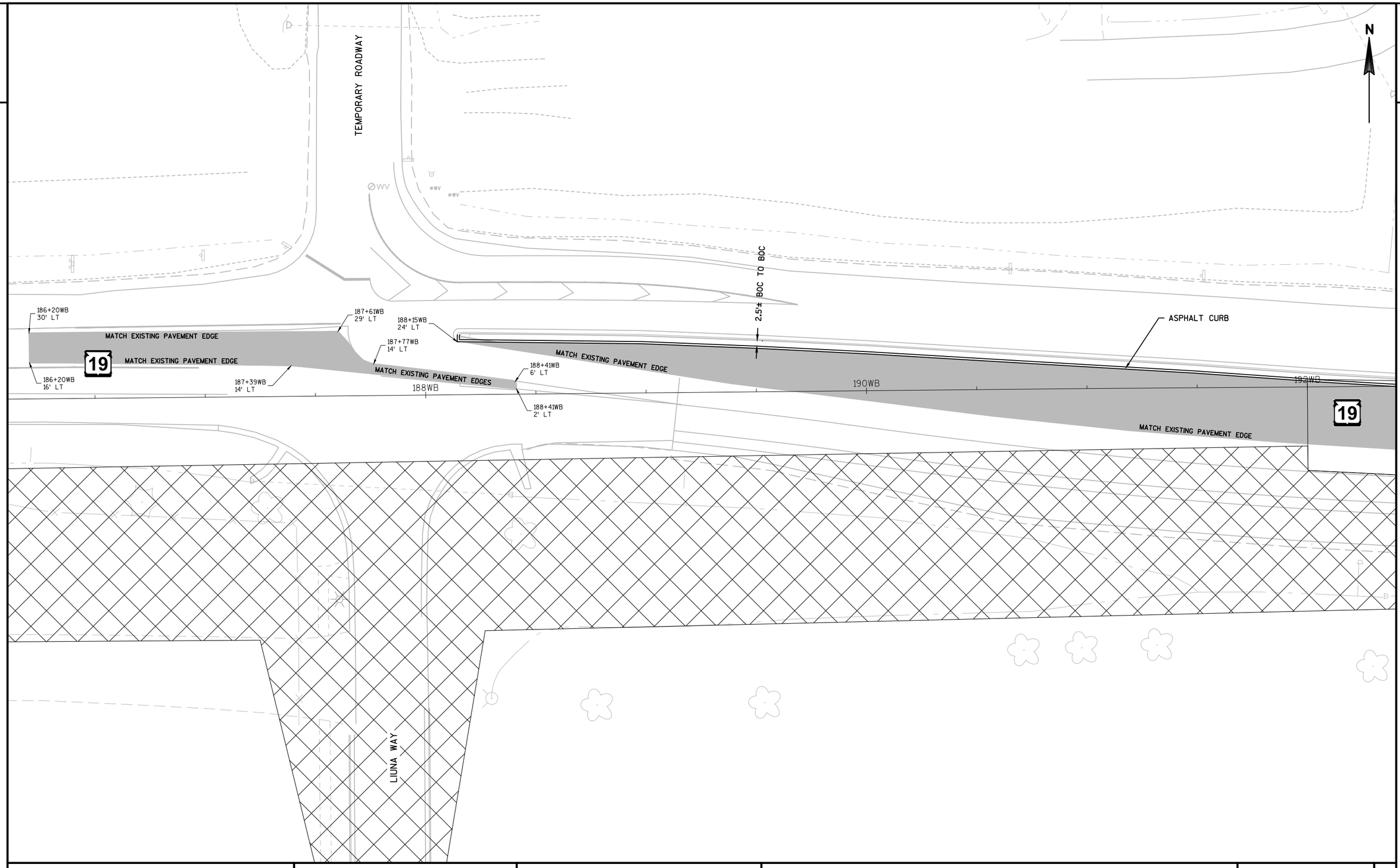
PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	SUBSTAGE 1D	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0264_1D.DWG
LAYOUT NAME - 06

PLOT DATE : 4/30/2019 1:35 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2



PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	SUBSTAGE 1D - PAVING DETAILS AND DRAINAGE	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0264_1DX (PD AND DR).DWG
LAYOUT NAME - 01

PLOT DATE : 4/24/2019 9:03 AM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : ############

2

N

SB I-39/90/94 TO STH 19

SAN MH

MH

MH

2.5'± BOC TO BOC

ASPHALT CURB

192WB

193+26WB
6' RT

194WB

R408'

196WB

194+16WB
20' RT

194+57WB
27' RT

194+68WB
28' RT

MATCH EXISTING PAVEMENT EDGE

19

19

MATCH EXISTING PAVEMENT EDGE

R527'

194+68WB
33' RT

STH 19 TO SB I-39/90/94

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	SUBSTAGE 1D - PAVING DETAILS AND DRAINAGE	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0264_1DX (PD AND DR).DWG
LAYOUT NAME - 02

PLOT DATE : 4/24/2019 9:03 AM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : ############

WISDOT/CADDS SHEET 42

2

2

N

19

235TEB1

235TEB2

240TEB1

240TEB2

245TEB1

245TEB2

250TEB1

250TEB2

255TEB1

255TEB2

260TEB1

260TEB2

RIVER RD

CONTINUE CONSTRUCTING NORTH LEG OF RIVER RD

STH 19 MEDIAN-SPLIT, ON OUTSIDE LANE IN EACH DIRECTION

INSIDE LANE CLOSED DRUMS SPACED AT 50'

REMOVE EB TEMPORARY MEDIAN CROSSOVER

LANE CLOSED
R11-2L
48"X30"

LANE CLOSED
R11-2L
48"X30"

LANE CLOSED
R11-2L
48"X30"

ONE WAY
R6-2R
36"X48"

TRT-SL

STOP
R1-1
36"X36"

R3-2
36"X36"

ONLY
R3-50R
30"X36"

P-SPM

SEE SUBSTAGE 1D DETAILS FOR OTHER PERTINENT INFORMATION

RIGHT-IN/RIGHT-OUT ACCESS

CONTINUE CONSTRUCTING PARK ACCESS (MAY BE USED AS ACCESS TO BRIDGE CONSTRUCTION)

CONSTRUCT SINGLE LANE WB TEMPORARY MEDIAN CROSSOVER

SEE SUBSTAGE 2A DETAILS FOR OTHER PERTINENT INFORMATION

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	SUBSTAGE 1E	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0264_1E.DWG
LAYOUT NAME - 01

PLOT DATE : 4/30/2019 1:39 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:200 FT

2

2

N

PERMANENT TRAFFIC SIGNAL
IN SERVICE
(SEE DETAILS SUBSTAGE 1D)

TIERNEY XING

REMOVE EB TEMPORARY
MEDIAN CROSSOVER

SEE SUBSTAGE 1D FOR WB
LEFT TURN LANE

MAINTAIN RIGHT-IN/RIGHT-OUT
ACCESS (SEE DETAILS
SUBSTAGE 1D)

LANE
CLOSED
R11-2L
48"X30"

PERMANENTLY CLOSED
(SEE DETAILS
SUBSTAGE 1D)

TEMPORARY ROADWAY

LANE
CLOSED
R11-2L
48"X30"

19

265TEB2

265TEB1

270TEB2

270TEB1

275TEB1

275TEB2

280TEB1

280TEB2

285TEB2

290TEB2

19

CONSTRUCT SINGLE LANE
WB TEMPORARY MEDIAN
CROSSOVER

INSIDE LANE CLOSED
DRUMS SPACED AT
50'

STH 19 MEDIAN-SPLIT, ON
OUTSIDE LANE IN EACH
DIRECTION

W01-4R

LIUNA WAY

LIUNA WAY

MAINTAIN RIGHT-IN/RIGHT-OUT
ACCESS

CONTINUE CONSTRUCTING PARK
ACCESS (MAY BE USED AS
ACCESS TO BRIDGE
CONSTRUCTION)

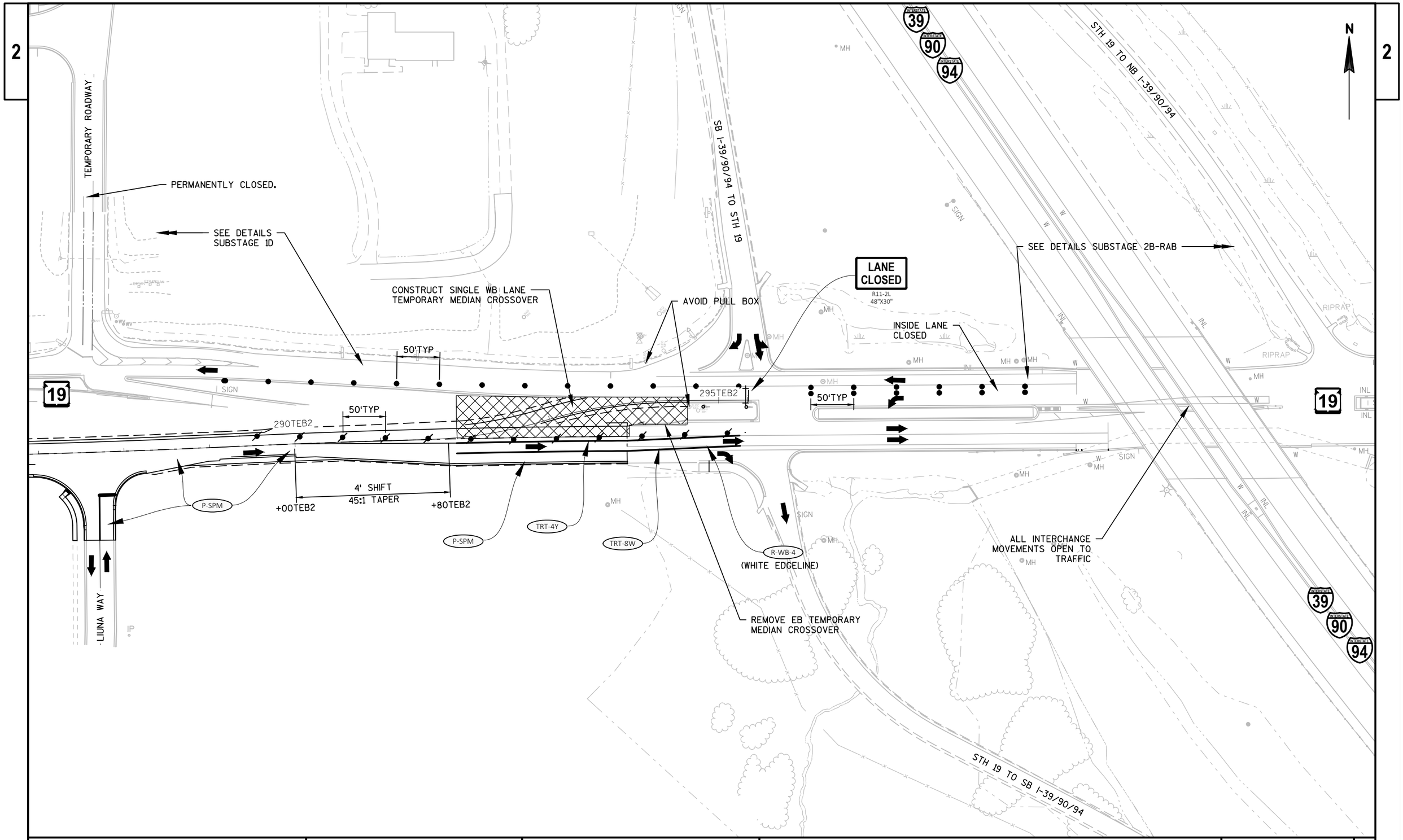
SEE SUBSTAGE 2A FOR EB
LEFT TURN LANE

P-SPM

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	SUBSTAGE 1E	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0264_1E.DWG
LAYOUT NAME - 02

PLOT DATE : 4/30/2019 1:39 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:200 FT



PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	SUBSTAGE 1E	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0264_1E.DWG
LAYOUT NAME - 03

PLOT DATE : 4/30/2019 1:39 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

N

(DOUBLE YELLOW CENTERLINE & WHITE EDGELINE)

R-WB-4

CONSTRUCT PROPOSED WB STH 19 (REMOVE TEMPORARY WIDENING)

15D28

WO1-4R

45 MPH

WO13-1
36"X36"

WO6-3

50'TYP

19

232TEB2

234TEB2

236TEB2

238TEB2

240TEB2

19

50'TYP

235+50TEB2
15' RT

235+00TEB2
19' RT

TRT-4DY

TRT-4W

WO1-4R

45 MPH

WO13-1
36"X36"

SLOPE INTERCEPT FOR CONSTRUCTION STAGING TEMPORARY WIDENING (TYP)

WO6-1

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	SUBSTAGE 2A	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0265_2A.DWG
LAYOUT NAME - 01

PLOT DATE : 4/30/2019 1:48 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

CONSTRUCT PROPOSED WB STH 19, NORTH LEG OF RIVER RD, AND RAB

(END) -AT END OF SUBSTAGE, WHEN RIVER ROAD SOUTH IS CLOSED

N

2

RIVER RD

BEGIN RIGHT TURN LANE
R3-20R
36"X54"

TRT-4W

W06-2

TRT-4DY

TRT-D

19

242TEB2

15C2b-D

R100'

244TEB2

245+13TEB2
12' LT

TRT-4W

54+81RNB
31' LT

R50'

12'

50'TYP

246TEB2

247+44TEB2
12' LT

TRT-4DY

249+68TEB2
0'

248TEB2

250TEB2

252TEB2

254TEB2

256TEB2

19

15D28

15C12

15D28

15D28

R3-2
36"X36"

WO1-7
60"X30"

R3-1
36"X36"

R3-2
36"X36"

END

15C2b-D

15D28

R3-8E
54"X48"
(COVER SIGN
END)

W06-1

CONSTRUCT PROPOSED WB STH 19

W01-4L

45 MPH
WO13-1
36"X36"

W06-3

YAHARA RIVER

MH

GUY

TRT-4DY

TRT-4W

P-SPM

CONSTRUCT SINGLE LANE TEMPORARY MEDIAN CROSSOVER

SPEED LIMIT 45
R2-1
36"X48"

CONTINUE CONSTRUCTING PARK ACCESS (MAY BE USED AS ACCESS TO BRIDGE CONSTRUCTION)

W06-1

R3-8D
54"X48"
(COVER SIGN
END)

R3-1
36"X36"

W01-4L

45 MPH
WO13-1
36"X36"

54+33RNB
12' LT

54RNB

R50'

TRT-4W

STOP
R1-1
36"X36"

W06-2

WO1-6
60"X30"

TRT-SL

LANE CLOSED
R11-2L
48"X30"

SPEED LIMIT 45
W03-5

CONSTRUCT RAISED ISLAND
END

15C2b-D
END

52RNB

50'TYP

SPEED LIMIT 35
R2-1
24"X30"

TRT-4DY

50RNB

RIVER RD

W03-1

W06-3

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	SUBSTAGE 2A	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0265_2A.DWG
LAYOUT NAME - 02

PLOT DATE : 4/30/2019 1:48 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

N

TEMPORARY WB MEDIAN CROSSOVER

CONSTRUCT PROPOSED WB STH 19

BEGIN LEFT TURN LANE
R3-20L
36"X54"

15C2b-D

15D28

259+21TEB2
15' RT

258TEB2

260TEB2

262TEB2

264TEB2

266TEB2

268TEB2

270TEB2

272TEB2

19

50'TYP

15'

TRT-4Y

TRT-8W

P-SPM

WO1-6
60"X30"

WO6-2

WO1-4L

45
MPH
WO13-1
36"X36"

TRT-4W

TIERNEY XING

LANE CLOSED
R11-2L
48"X30"
(CLOSE MIDDLE LANE)

DO NOT ENTER
R5-1
36"X36"

WRONG WAY
R5-1A
42"X30"

WO5-3

LIUNA WAY

CONTINUE CONSTRUCTING PARK ACCESS (MAY BE USED AS ACCESS TO BRIDGE CONSTRUCTION)

PERMANENT TRAFFIC SIGNAL IN SERVICE. PERMANENT MEDIAN THRU LANE CLOSED FOR EB STH 19 & WB STH 19

MH

GUY

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	SUBSTAGE 2A	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0265_2A.DWG
LAYOUT NAME - 03

PLOT DATE : 4/30/2019 1:48 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

N

TEMPORARILY CLOSED

PERMANENTLY CLOSED.

CASHEL WAY

TEMPORARY ROADWAY

CONSTRUCT PROPOSED
WB STH 19

PREVENT LEFT-TURN ACCESS TO
AND FROM WB STH 19

TEMPORARY WB MEDIAN
CROSSOVER

R3-8D
54"X48"

WO3-3

WO6-1

WO1-4R

35
MPH

WO13-1
36"X36"

SIGN

TRT-8W

273+51TEB2
23' LT

TRT-4W

19

274+65TEB2
12' LT

15D28

50'TYP

274TEB2

276TEB2

278TEB2

280TEB2

282TEB2

284TEB2

286TEB2

288TEB2

25'TYP

R300'

TRT-4Y

TRT-8W

TRT-4W

TRT-4DY

WO1-6
60"X30"

P-SPM

BEGIN
LEFT
TURN
LANE

R3-20L
36"X54"

WO6-3

WO6-1

LIUNA WAY

IP

50' TUBLAR MARKER SPACING

25' TUBLAR MARKER
SPACING

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	SUBSTAGE 2A	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0265_2A.DWG
LAYOUT NAME - 04

PLOT DATE : 4/30/2019 1:48 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

N

TEMPORARY ROADWAY

PERMANENTLY CLOSED

CONSTRUCT PROPOSED WB STH 19

16' MIN CLEAR WIDTH TYP. AT END OF SUBSTAGE 2A, REDUCE TO 12' MIN. CLEAR WIDTH TO CONSTRUCT OUTSIDE LANE

WO1-6
60"X304"

WO6-2

TEMPORARY WB MEDIAN CROSSOVER

SB I-39/90/94 TO STH 19

WO1-4L

35
MPH
WO13-1
36"X36"

AVOID PULL BOX

OUTSIDE LANE CLOSED

STH 19 TO NB I-39/90/94

R3-8E
54"X48"

ONLY ONLY

15D28

TRT-4DY

TRT-4W

(2'LINE, 6'SKIP)

TRT-4W

TRT-4W

(3'LINE, 9'SKIP)

TRT-4W

50'TYP

10'

12'

100' TAPER
2' SHIFT

19

294TEB2

292TEB2

290TEB2

288TEB2

50'TYP

25'
TYP

TRT-4Y

P-SPM

R-WB-8

(8" WHITE CHANNELIZING LINE)

2' SHIFT

TRT-8W

ALL INTERCHANGE MOVEMENTS OPEN TO TRAFFIC

R/L = FLAGLINE

TRT-4Y

(2'LINE, 6'SKIP)

MARKED PAINTED EDGELINE

P-SPM

R3-2
36"X36"

LIUNA WAY

PREVENT LEFT-TURN ACCESS TO AND FROM WB STH 19

SOUTH EAST EAST
39 90 94

STH 19 TO SB I-39/90/94

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	SUBSTAGE 2A	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0265_2A.DWG
LAYOUT NAME - 05

PLOT DATE : 4/30/2019 1:49 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

LANE CLOSED
R11-2L
48"X30"

STH 19 TO I-39/90/94 NB

MB3-1
36"X18"
NORTH
INTERSTATE
39
M1-1
36"X36"
MO6-2
30"X30"

TRT-4Y
TRT-4W
TRT-8W

19

25'
80'
70'

OUTSIDE LANE CLOSED

RIPRAP

COUNTY CV

CANOPY

MB3-1
36"X18"
NORTH
INTERSTATE
39
M1-1
36"X36"
MO5-2R
30"X30"

OUTSIDE LANE CLOSED

TRT-4W

LANE CLOSED
R11-2L
48"X30"

MB3-3
36"X18"
SOUTH
INTERSTATE
39
M3-4
36"X18"
WEST
19
M1-6
36"X36"
M1-1
36"X36"
USE LEFT LANE
MO4-20L
36"X36"
USE LEFT LANE
MO4-20L
36"X36"

MB3-3
36"X18"
SOUTH
INTERSTATE
39
M3-4
36"X18"
WEST
19
M1-6
36"X36"
M1-1
36"X36"
MO6-1
30"X30"
MO6-1
30"X30"

SOUTH EAST EAST
INTERSTATE 39 INTERSTATE 90 INTERSTATE 94

NORTH WEST WEST
INTERSTATE 39 INTERSTATE 90 INTERSTATE 94
Wisconsin Dells

I-39/90/94

CANADIAN PACIFIC RAILROAD

LANE CLOSED
R11-2L
48"X30"

M3-4
36"X18"
WEST
19
M1-6
36"X36"
COUNTY CV
M1-5A
36"X36"
MO6-2
30"X30"
MO6-2
30"X30"

R-WB-4
(WHITE SKIP DASH)

TRT-4Y
(2" LINE, 6" SKIP)

50'TYP

300'

TRT-4W

50'TYP

600' LANE DROP TAPER

OUTSIDE LANE CLOSED

NORTH WEST WEST
INTERSTATE 39 INTERSTATE 90 INTERSTATE 94
SECOND RIGHT

SOUTH EAST EAST
INTERSTATE 39 INTERSTATE 90 INTERSTATE 94
LEFT LANE

WEST EAST
19 19

TRT-4Y

NB I-39/90/94 TO STH 19

LANE CLOSED
R11-2L
48"X30"

ONLY ONLY
R3-8F
54"X48"

WEST NORTH EAST
19 COUNTY CV 19
USE LEFT TURN LANE

COVER WITH
MO5-1L
21"X21"

N

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	SUBSTAGE 2A	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0265_2A.DWG
LAYOUT NAME - 06

PLOT DATE : 4/30/2019 1:49 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

N

600' LANE
DROPTAPER

300'

50'TYP

TRT-4W

R-WB-4

(WHITE LANE LINE)

SEE DETAIL FOR ADVANCED
WARNING SIGNING

15D12a

19

19

MH

SIGN

SIGN

SIGN

2

2

N

GUY

GUY

GUY

19

232TEB2

231+38TEB2
13' RT

234TEB2

MATCH PROPOSED PAVEMENT EDGE

236TEB2

MATCH PROPOSED PAVEMENT EDGE

19

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	SUBSTAGE 2A - PAVING DETAILS & DRAINGE	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0265_2AX (PD AND DR).DWG
LAYOUT NAME - 01

PLOT DATE : 4/30/2019 9:49 AM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

N

GUY

19

238TEB2

MATCH PROPOSED PAVEMENT EDGE

240TEB2

242TEB2

241+20TEB2
13' RT

19

MATCH PROPOSED PAVEMENT EDGE

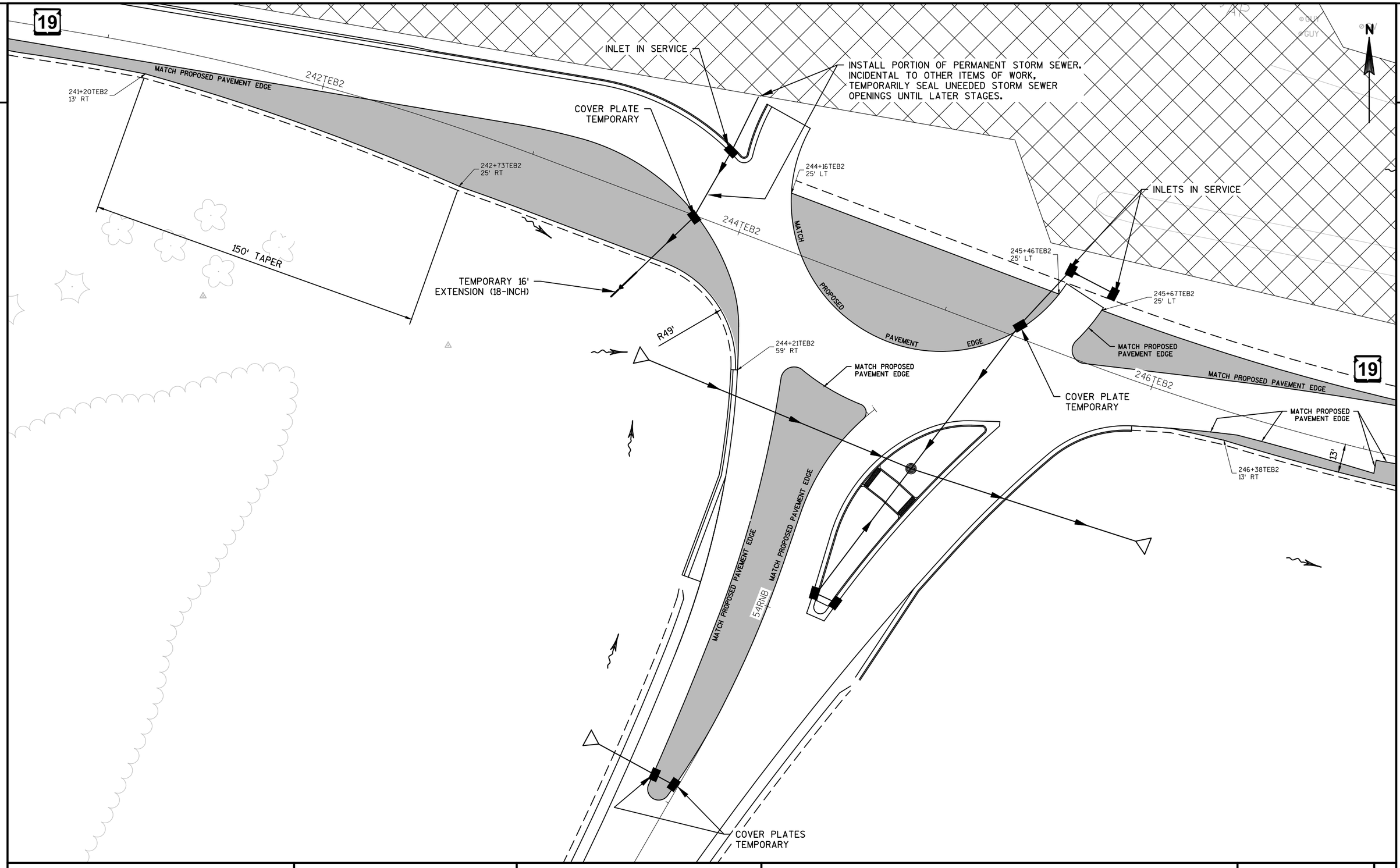
242+73TEB2
25' RT

150' TAPER

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	SUBSTAGE 2A - PAVING DETAILS & DRAINGE	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0265_2AX (PD AND DR).DWG
LAYOUT NAME - 02

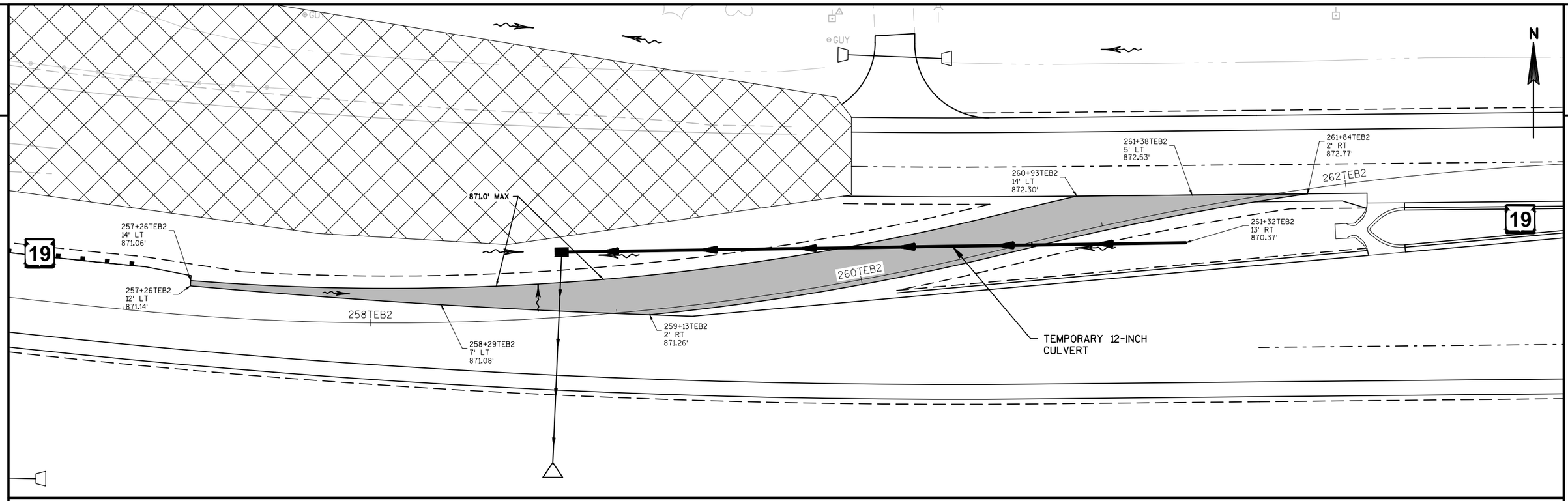
PLOT DATE : 4/30/2019 9:49 AM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : 1 IN:40 FT

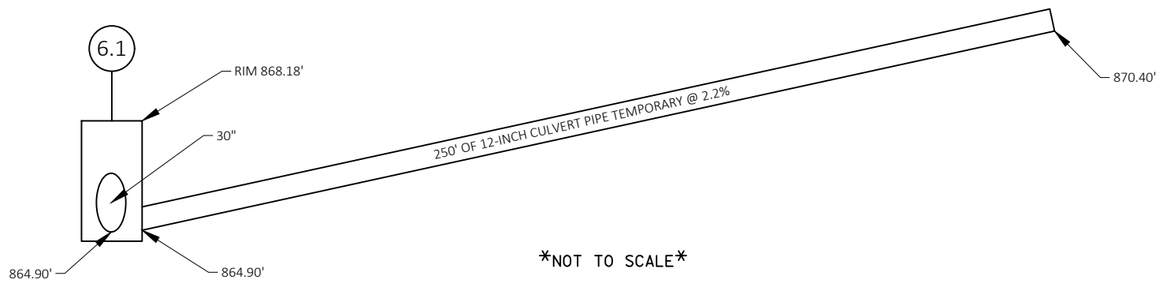


PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	SUBSTAGE 2A - PAVING DETAILS & DRAINGE	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0265_2AX (PD AND DR).DWG
LAYOUT NAME - 03

PLOT DATE : 4/30/2019 9:49 AM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : 1 IN:40 FT





PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	SUBSTAGE 2A - PAVING DETAILS & DRAINGE	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0265_2AX (PD AND DR).DWG
LAYOUT NAME - 04

PLOT DATE : 4/30/2019 9:50 AM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

N

19

19

R = 298'

874.90' MAX

272+63TEB2
28' RT
875.35'

273+45TEB2
0'
874.94'

273+97TEB2
19' LT
874.76'

274+65TEB2
14' LT

274TEB2

272+67TEB2
41' RT
875.72'

273+47TEB2
21' RT
875.31'

273+48TEB2
25' RT
875.47'

274+49TEB2
0'
875.04'

275+89TEB2
12' LT
875.26'

276TEB2

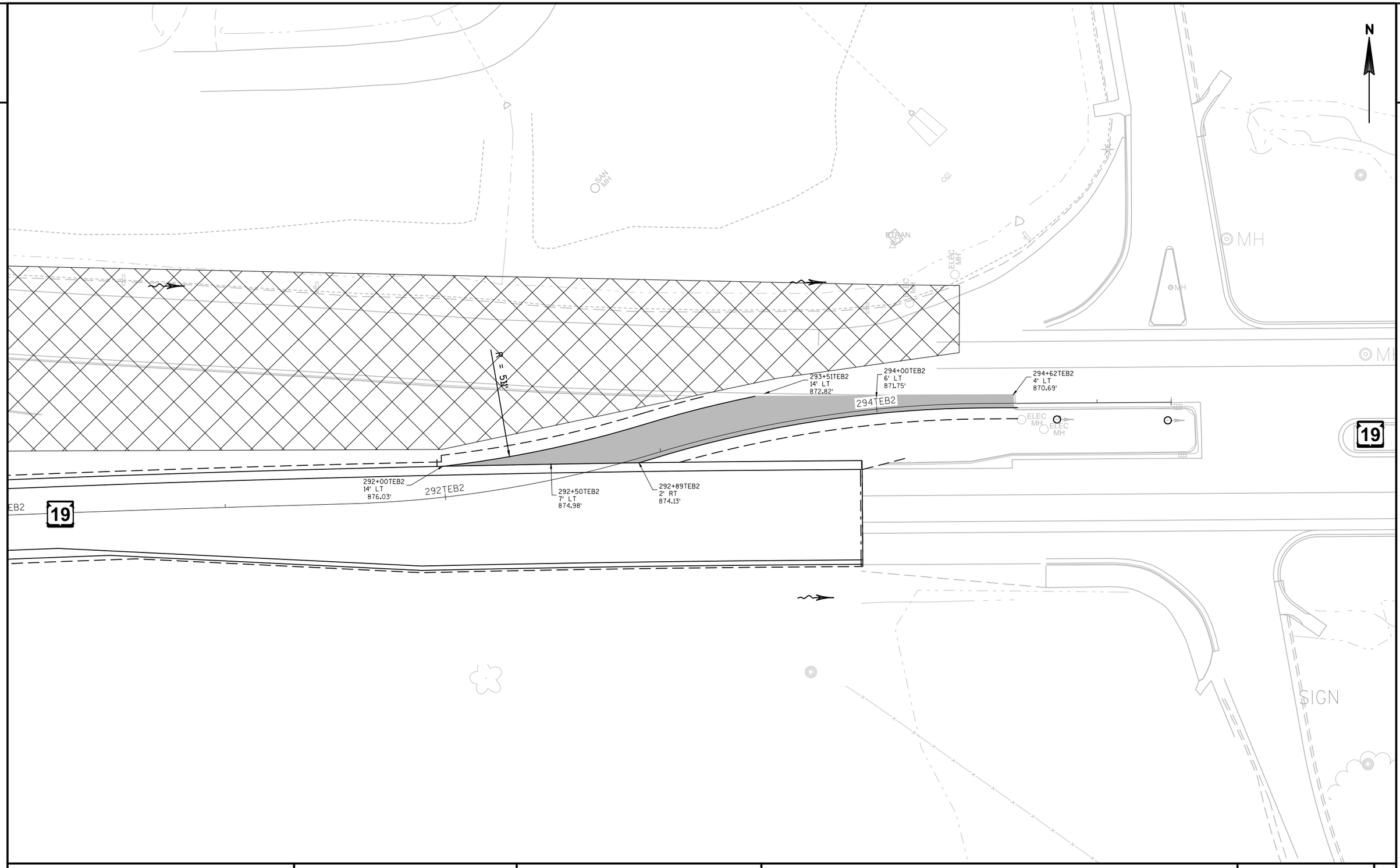
278TEB2

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	SUBSTAGE 2A - PAVING DETAILS & DRAINGE	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0265_2AX (PD AND DR).DWG
LAYOUT NAME - 05

PLOT DATE : 4/30/2019 9:50 AM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	SUBSTAGE 2A - PAVING DETAILS & DRAINGE	SHEET	E

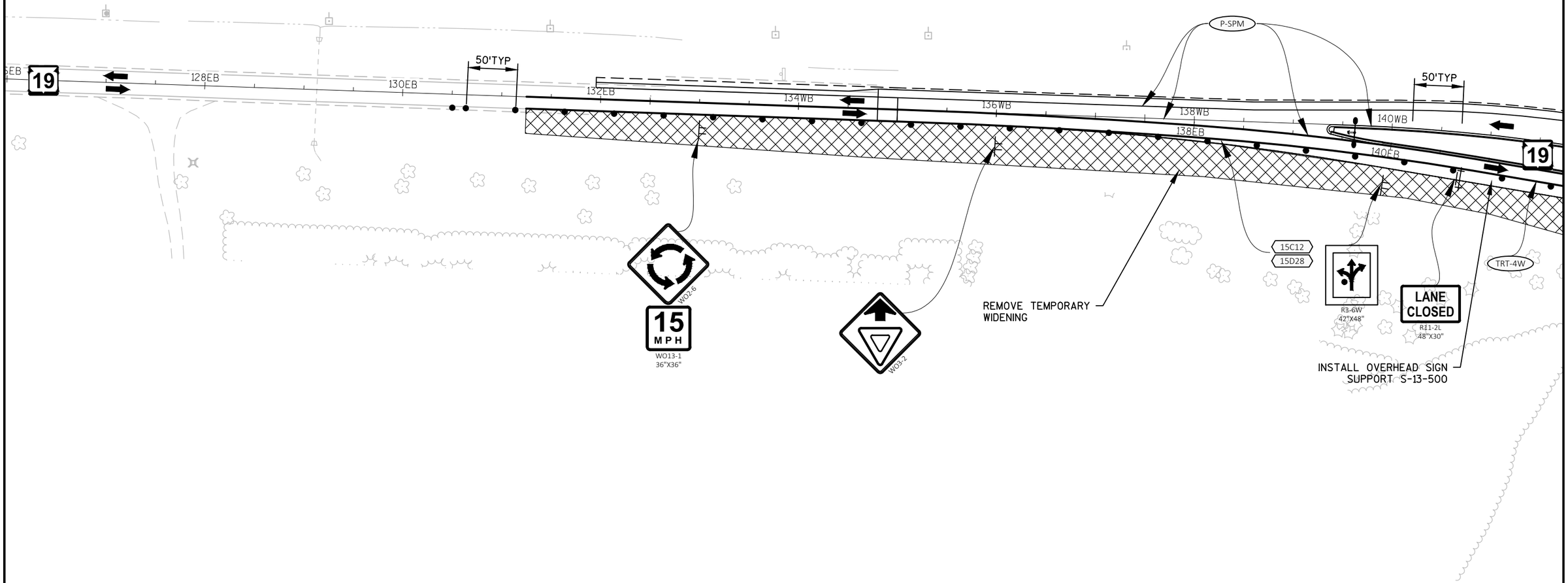
FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0265_2AX (PD AND DR).DWG
LAYOUT NAME - 06

PLOT DATE : 4/30/2019 9:50 AM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : 1 IN:40 FT

NOTE:
LIGHTS IN SERVICE AT THE BEGINNING OF SUBSTAGE 2B-RAB, UNLESS INDICATED OTHERWISE.

N

2



PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	SUBSTAGE 2B-RAB	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0266_2B-RAB.DWG
LAYOUT NAME - 01

PLOT DATE : 4/30/2019 1:55 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:100 FT

NOTES:
-SEE NEXT SHEET FOR EB PATHWAY LAYOUT INFORMATION.
-LIGHTS IN SERVICE AT THE BEGINNING OF SUBSTAGE 2B-RAB, UNLESS INDICATED OTHERWISE.
-PERMANENT YIELD SIGNS (R1-2), AS WELL AS R1-54, AND R6-2R SIGNS IN SERVICE. LOCATIONS DENOTED BY (YLD)

-YIELD LINE PAVEMENT MARKING AT ROUNDABOUT ENTRY POINTS IN SERVICE.

BRING LIGHT INTO SERVICE WITHIN ONE WEEK OF INITIATING SUBSTAGE 2B-RAB

25' SPACING

OPEN NORTH LEG OF RIVER ROAD TO TRAFFIC

LIGHT TO BE INSTALLED SUBSTAGE 2C

CONTINUE CONSTRUCTION OF WB STH 19

REMOVE TEMPORARY WIDENING

25' SPACING

15' SPACING

20' MIN CLEAR

180' TAPER (45:1)

FINISH SHOULDER & CENTRAL RAB ISLAND & MEDIAN EAST OF RAB (REMOVE TEMPORARY PAVEMENT)

CONTINUE CONSTRUCTION OF PARK ACCESS (MAY BE USED AS ACCESS TO BRIDGE CONSTRUCTION)

RIVER RD

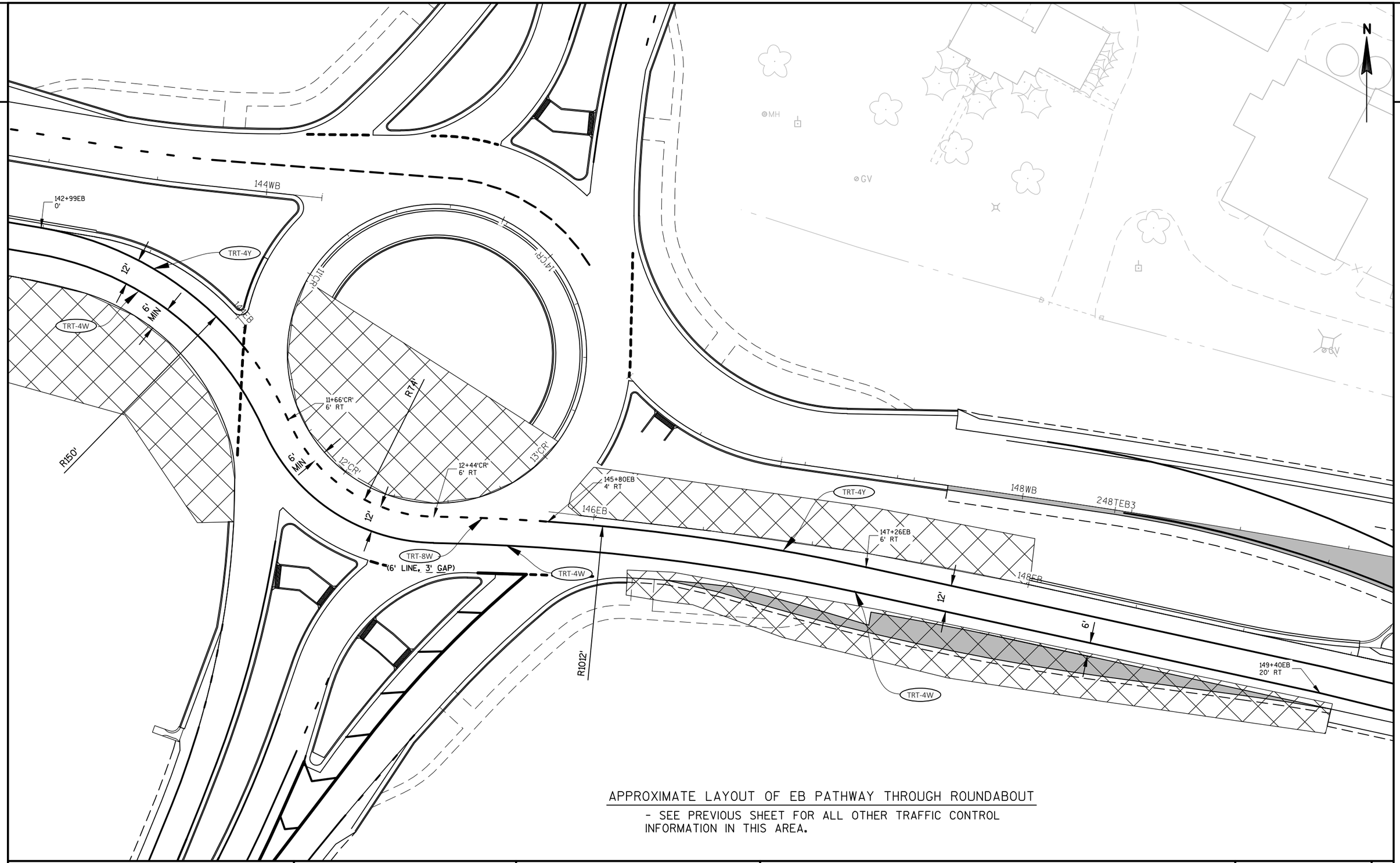
YAHARA RIVER

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	SUBSTAGE 2B-RAB	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0266_2B-RAB.DWG
LAYOUT NAME - 02

PLOT DATE : 4/30/2019 1:56 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:100 FT

2



APPROXIMATE LAYOUT OF EB PATHWAY THROUGH ROUNDABOUT

- SEE PREVIOUS SHEET FOR ALL OTHER TRAFFIC CONTROL INFORMATION IN THIS AREA.

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	SUBSTAGE 2B-RAB	SHEET	E

2

2

ROAD CLOSED
R11-2
48"X30"

N

TIERNEY XING

P-SPM

CONTINUE CONSTRUCTION
OF WB STH 19

WO6-2

WO1-6
60"X30"

WO1-4L

45
MPH
WO13-1
36"X36"

WO1-6
60"X30"

50' TYP

DO NOT
ENTER
R5-1
36"X36"

TRT-4Y

P-SPM

15C2b-D

15D28

158WB

160WB

162WB

164WB

166WB

168WB

170WB

172WB

19

158EB

160EB

162EB

164EB

166EB

168EB

170EB

172EB

19

50'TYP

TRT-4Y

TRT-8W

P-SPM

TRT-4W

TRT-4Y

DO NOT
ENTER
R5-1
36"X36"

WRONG
WAY
R5-1A
42"X30"

TRT-4W

WO1-6
60"X30"

BEGIN
LEFT
TURN
LANE
R3-20L
24"X36"

CONTINUE CONSTRUCTION
OF PARK ACCESS
(MAY BE USED AS ACCESS
TO BRIDGE CONSTRUCTION)

LANE
CLOSED
R11-2L
48"X30"

WRONG
WAY
R5-1A
42"X30"

LIUNA WAY

P-SPM

PERMANENT TRAFFIC SIGNAL IN
SERVICE. PERMANENT MEDIAN
THRU LANES CLOSED FOR EB &
WB STH 19

MH

MH

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	SUBSTAGE 2B-RAB	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0266_2B-RAB.DWG
LAYOUT NAME - 03

PLOT DATE : 4/30/2019 1:56 PM

PLOT BY : KRUEGER, KIRK

PLOT NAME :

PLOT SCALE : 1 IN:100 FT

2

2

N

CASHEL WAY

TEMPORARY ROADWAY

LANE CLOSED
R11-2L
48"X30"

REMOVE TEMPORARY PAVEMENT AND FINISH MEDIAN

BEGIN LEFT TURN LANE
R3-20L
36"X54"

SIGN

P-SPM

MEDIAN THROUGH LANE CLOSED

TEMPORARY ROADWAY ACCESS REMOVED

TRT-4W

TRT-4Y

50'TYP

187+00WB
24' LT

174WB 176WB 178WB 180WB 182WB 184WB 186WB 188WB

19

TRT-8W

174EB 176EB 178EB 180EB 182EB 184EB 186EB 188EB

19

TRT-4Y

50'TYP

MEDIAN THROUGH LANE CLOSED

P-SPM

TRT-4Y

P-SPM

LIUNA WAY

IP

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	SUBSTAGE 2B-RAB	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0266_2B-RAB.DWG
LAYOUT NAME - 04

PLOT DATE : 4/30/2019 1:56 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

N

TEMPORARY ROADWAY

SHIFT WB TRAFFIC TO OUTSIDE

AVOID PULL BOX

REDUCE TO 12' MIN. CLEAR WIDTH TO CONSTRUCT INSIDE LANE

REMOVE TEMPORARY PAVEMENT AND FINISH CONSTRUCTION IN MEDIAN

PERMANENTLY CLOSED

SB I-39/90/94 TO STH 19

STH 19 TO NB I-39/90/94

STH 19 TO SB I-39/90/94

INTERSTATE 39 / 90 / 94

M3-4 36"X18" WEST

M1-6 36"X36" 19

MO6-1 30"X30"

MB3-3 36"X18" SOUTH INTERSTATE 39

M1-1 36"X36"

MO6-2 30"X30"

INTERSTATE 39 / 90 / 94

SOUTH EAST EAST

19

50'TYP

188WB

188EB

189+50WB 29' LT

190WB

190EB

192WB

192EB

194WB

194EB

195+50WB 28' LT

195+25WB 28' LT

194+73WB 29' LT

195+85WB 28' LT

196WB

196EB

196+70WB 28' LT

198WB

198EB

198+50WB 24' LT

198+51WB 12' RT

200+60WB 12' LT

TRT-4Y

TRT-4W

TRT-8W

12'

(WHITE-SOLID) R-WB-4

(WHITE LANE LINE) R-WB-4

LANE CLOSED R11-2L 48"X30"

INSIDE LANE CLOSED

ALL INTERCHANGE MOVEMENTS OPEN TO TRAFFIC

BEGIN LEFT TURN LANE R3-20L 36"X54"

AVOID PULL BOX

MEDIAN THROUGH LANES CLOSED

P-SPM

INSTALL CONCRETE PAVEMENT & CURB & GUTTER

LIUNA WAY

IP

SIGN

MH

W

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	SUBSTAGE 2B-RAB	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0266_2B-RAB.DWG
LAYOUT NAME - 05

PLOT DATE : 4/30/2019 1:56 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

STH 19 TO NB I-39/90/94

R3-8D
54"X48"

ONLY ONLY

COUNTY CV

19

TRT-4Y

SIGN

SIGN

INSIDE LANE CLOSED

LANE CLOSED
R11-2L
48"X30"

W

FILLER CAP

CANOPY

SIGN

SIGN

W

TRT-4Y

LANE CLOSED
R11-2L
48"X30"

50'TYP

INSIDE LANE CLOSED

N

600' LANE DROP TAPER

NORTH WEST WEST
39 90 94
SECOND RIGHT

STOP LINE

50'TYP

LANE CLOSED
R11-2L
48"X30"

19

INSIDE LANE CLOSED

300'

SOUTH EAST EAST
39 90 94
LEFT LANE

50'TYP

WEST EAST
19 19

TRT-4Y

NB I-39/90/94 TO STH 19

SOUTH EAST EAST
39 90 94

NORTH WEST WEST
39 90 94
Wisconsin Dells

I-39/90/94

W

W

CANADIAN PACIFIC RAILROAD

LANE CLOSED
R11-2L
48"X30"

SIGN

SIGN

SIGN

ONLY ONLY
R3-8F
54"X48"

WEST NORTH EAST
19 COUNTY CV 19

COVER WITH

MO5-1L
21"X21"

2

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	SUBSTAGE 2B-RAB	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0266_2B-RAB.DWG
LAYOUT NAME - 06

PLOT DATE : 4/30/2019 1:56 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

N

600' LANE
DROP TAPER

300'

50'TYP

TRT-4Y

R-WB-4

(WHITE LANE LINE)

INSIDE LANE
CLOSED

19

19

SEE DETAIL FOR ADVANCED
WARNING SIGNING

15D12a

SERVICE DRIVE

PEPSI WAY

CANOPY

FILLER
CAPS

A/C

INL

MH

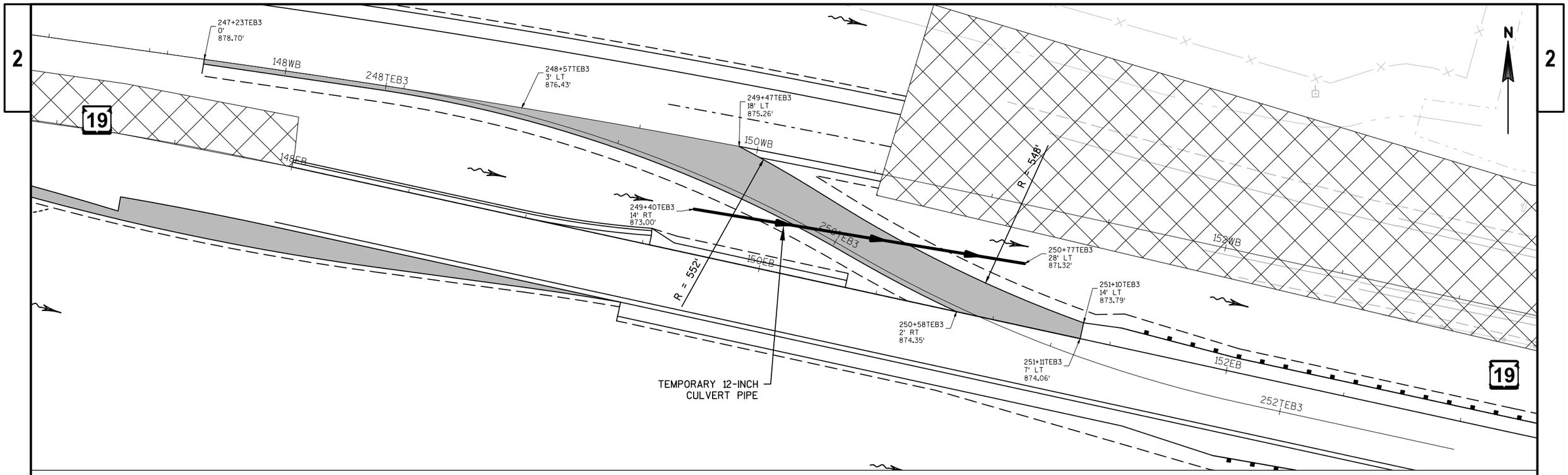
SIGN

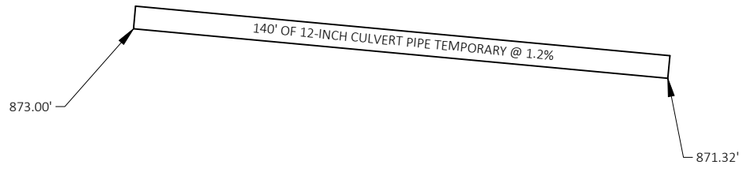
W

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	SUBSTAGE 2B-RAB	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0266_2B-RAB.DWG
LAYOUT NAME - 07

PLOT DATE : 4/30/2019 1:56 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1"=100'





PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	SUBSTAGE 2B-RAB - PAVING DETAILS & DRAINAGE	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0266_2B-RABX (PD AND DR).DWG
LAYOUT NAME - 01

PLOT DATE : 4/30/2019 9:57 AM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : ############

2

2

N

P-SPM
(WB)

19

128EB

130EB

132EB

134WB

136WB

138WB
138EB

140WB

140EB

19

COVER PERMANENT SIGN R3-8CC

50'

P-SPM

TRT-4Y

LANE
CLOSED

R11-2L
48"X30"

CLOSE EB INSIDE LANE

R3-6W
42"X48"

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	SUBSTAGE 2B	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0267_2B.DWG
LAYOUT NAME - 01

PLOT DATE : 4/30/2019 2:11 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

N

P-SPM (WB)

-ALL MOVEMENTS AT ROUNDABOUT ARE OPEN TO TRAFFIC
-ALL PERMANENT R1-2, R1-54, & R6-2R SIGNS IN SERVICE.

CLOSE EB INSIDE LANE

RIVER RD

50RSB

58RSB

58RNB

P-SPM

142WB

142EB

144WB

144EB

19

TRT-4Y

146EB

148WB

248TEB3

148EB

150WB

250TEB3

150EB

TRT-4W

P-SPM

R3-8CC
36"X30"

TEMPORARY WB MEDIAN CROSSOVER

W03-2

W06-1

WO2-6

15 MPH

WO13-1
36"X36"

CONTINUE TO CONSTRUCT PROPOSED WB STH 19

WO1-4R

35 MPH

WO13-1
36"X36"

W06-3

YAHARA RIVER

152WB

TRT-4W

154WB

TRT-4DY

252TEB3

150EB

156WB

156EB

19

P-SPM

LANE CLOSED
R11-2L
48"X30"

54RSB

54RNB

CLOSE EB INSIDE LANE

W06-2

WO1-6
60"X30"

SPEED LIMIT 45

W03-5

52RNB

50RNB RIVER RD

P-SPM

SPEED LIMIT 45
R2-1
36"X48"

W06-3

CONTINUE CONSTRUCTION OF PARK ACCESS
(MAY BE USED AS ACCESS TO BRIDGE CONSTRUCTION)

W06-1

SEE SUBSTAGE 2B-RAB1 FOR DETAILS

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	SUBSTAGE 2B	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0267_2B.DWG
LAYOUT NAME - 02

PLOT DATE : 4/30/2019 2:12 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

LANE CLOSED
R11-2L
48"X30"

N

TIERNEY XING

WO1-4L

45 MPH
WO13-1
36"X36"

WO6-2

WO1-6
60"X30"

CONTINUE CONSTRUCTION
OF WB STH 19

TEMPORARY WB MEDIAN CROSSOVER

15C2b-D

WO1-6
60"X30"

TRT-4Y

P-SPM

MEDIAN LANE CLOSED

P-SPM

DO NOT ENTER
R5-1
36"X36"

P-SPM

TRT-4Y

WRONG WAY
R5-1A
42"X30"

TRT-4W

158WB
160WB
162WB
164WB
166WB
168WB
170WB
172WB

19

158EB
160EB
162EB
164EB
166EB
168EB
170EB
172EB

19

TRT-4W

TRT-8W

162+10EB
12' RT

TRT-4Y

TRT-4W

P-SPM

CONTINUE CONSTRUCTION
OF PARK ACCESS
(MAY BE USED AS ACCESS
TO BRIDGE CONSTRUCTION)

WO3-3

LIUNA WAY

PERMANENT TRAFFIC SIGNAL IN
SERVICE. PERMANENT MEDIAN
THRU LANE CLOSED FOR WB
STH 19

P-SPM

MH

MH

SEE SUBSTAGE 2A FOR
DETAILS

P-SPM

(EB)
(TIERNEY XING / LIUNA WAY)

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	SUBSTAGE 2B	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0267_2B.DWG
LAYOUT NAME - 03

PLOT DATE : 4/30/2019 2:12 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

N

CASHEL WAY

TEMPORARY ROADWAY

PERMANENTLY CLOSED

P-SPM

P-SPM

P-SPM
(WB)

TRT-4Y

TRT-8W

TRT-4W

+00WB

600' LANE DROP (15D20)

+00WB

50'TYP

174WB

176WB

178WB

180WB

182WB

184WB

186WB

188WB

19

19

174EB

176EB

178EB

180EB

182EB

184EB

186EB

188EB

TRT-4Y

LANE CLOSED
R11-2L
48"X30"

BEGIN LEFT TURN LANE
R3-20L
36"X54"

LANE CLOSED
R11-2L
48"X30"

MEDIAN THROUGH LANE CLOSED

ADD DRUMS IN FRONT OF ARROW BOARD PER SDD 15D20

LIUNA WAY

P-SPM
(EB)

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	SUBSTAGE 2B	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0267_2B.DWG
LAYOUT NAME - 04

PLOT DATE : 4/30/2019 2:12 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

TEMPORARY ROADWAY

PERMANENTLY CLOSED

W04-2L

LEFT LANE CLOSED AHEAD

W20.5SA

SB I-39/90/94 TO STH 19

STH 19 TO NB I-39/90/94

INTERSTATE 39

INTERSTATE 90

INTERSTATE 94

N

188WB

190WB

192WB

194WB

196WB

198WB

188EB

190EB

192EB

194EB

196EB

198EB

19

ALL INTERCHANGE MOVEMENTS OPEN TO TRAFFIC

LIUNA WAY

P-SPM

(EB)

(WB)

STH 19 TO SB I-39/90/94

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	SUBSTAGE 2B	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0267_2B.DWG
LAYOUT NAME - 05

PLOT DATE : 4/30/2019 2:12 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

N

RIVER RD

19

SAME AS SUBSTAGE 2B

INSTALL OVERHEAD SIGN SUPPORT S-13-498

BRING LIGHT INTO SERVICE

REMOVE TEMPORARY PAVEMENT AND FINISH CONSTRUCTION

LANE CLOSED
R11-2L
48"X30"

TRT-4Y

WB SAME AS SUBSTAGE 2B

LANE CLOSED
R11-2L
48"X30"

19

YAHARA RIVER

MEDIAN THRU LANES CLOSED (DRUMS SPACED AT 50')

LANE CLOSED
R11-2L
48"X30"

EB SAME AS SUBSTAGE 2B

LANE CLOSED
R11-2L
48"X30"

RIVER RD

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	SUBSTAGE 2C	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0267_2C.DWG
LAYOUT NAME - 01

PLOT DATE : 4/30/2019 11:27 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1"=200'

WISDOT/CADDS SHEET 42

2

STH 19

CURVE = C1
PI STA = 143+66.64'EB'
Y = 526788.661
X = 826022.139
DELTA = 42°13'29"
D = 52°05'13"
T = 42.47'
L = 81.07'
R = 110.00'
PC STA = 143+24.17'EB'
Y = 526795.717
X = 825980.257
PT STA = 144+05.24'EB'
Y = 526755.290
X = 826048.412
BK = S80°26'17"E
AH = S38°12'48"E

CURVE = C2
PI STA = 147+25.87'EB'
Y = 526653.546
X = 826331.894
DELTA = 5°30'57"
D = 3°49'11"
T = 72.26'
L = 144.41'
R = 1500.00'
PC STA = 146+53.61'EB'
Y = 526662.067
X = 826260.139
PT STA = 147+98.02'EB'
Y = 526638.167
X = 826402.498
BK = S83°13'40"E
AH = S77°42'42"E

CURVE = C3
PI STA = 143+50.05'WB'
Y = 526821.395
X = 826008.419
DELTA = 3°29'43"
D = 9°32'57"
T = 18.31'
L = 36.60'
R = 600.00'
PC STA = 143+31.74'WB'
Y = 526824.436
X = 825990.367
PT STA = 143+68.35'WB'
Y = 526819.461
X = 826026.623
BK = S80°26'17"E
AH = S83°55'59"E

CURVE = C4
PI STA = 146+50.48'WB'
Y = 526699.534
X = 826250.000
DELTA = 42°13'29"
D = 52°05'13"
T = 42.47'
L = 81.07'
R = 110.00'
PC STA = 146+08.01'WB'
Y = 526732.220
X = 826222.879
PT STA = 146+89.07'WB'
Y = 526693.555
X = 826292.050
BK = S39°41'00"E
AH = S81°54'28"E

CENTER

CURVE = C30
PI STA = 10+00.00'CR'
Y = 526803.586
X = 826165.650
DELTA = 359°59'57"
D = 84°15'31"
T = 0.00'
L = 427.26'
R = 68.00'
PC STA = 10+00.00'CR'
Y = 526803.586
X = 826165.650
PT STA = 14+27.26'CR'
Y = 526803.585
X = 826165.651
BK = N63°40'42"W
AH = N63°40'38"W

CURVE = C31
PI STA = 10+00.00'CCR'
Y = 526815.239
X = 826171.413
DELTA = 360°00'00"
D = 70°44'08"
T = 0.00'
L = 508.94'
R = 81.00'
PC STA = 10+00.00'CCR'
Y = 526815.239
X = 826171.413
PT STA = 15+08.94'CCR'
Y = 526815.239
X = 826171.413
BK = N63°40'47"W
AH = N63°40'46"W

RIVER ROAD

CURVE = C12
PI STA = 57+26.20'RSB'
Y = 526856.641
X = 826186.493
DELTA = 33°27'47"
D = 57°17'45"
T = 30.06'
L = 58.40'
R = 100.00'
PC STA = 56+96.14'RSB'
Y = 526837.695
X = 826163.153
PT STA = 57+54.54'RSB'
Y = 526885.316
X = 826195.517
BK = N50°55'55"E
AH = N17°28'08"E

CURVE = C13
PI STA = 58+39.68'RSB'
Y = 526966.523
X = 826221.073
DELTA = 13°58'25"
D = 11°27'33"
T = 61.27'
L = 121.94'
R = 500.00'
PC STA = 57+78.40'RSB'
Y = 526908.074
X = 826202.679
PT STA = 59+00.34'RSB'
Y = 527018.801
X = 826253.037
BK = N17°28'08"E
AH = N31°26'33"E

CURVE = C14
PI STA = 53+73.52'RNB'
Y = 526533.470
X = 826048.481
DELTA = 10°59'32"
D = 11°27'33"
T = 48.11'
L = 95.92'
R = 500.00'
PC STA = 53+25.41'RNB'
Y = 526491.776
X = 826024.476
PT STA = 54+21.33'RNB'
Y = 526578.976
X = 826064.095
BK = N29°55'51"E
AH = N18°56'20"E

CURVE = C15
PI STA = 54+75.25'RNB'
Y = 526629.977
X = 826081.595
DELTA = 33°27'47"
D = 57°17'45"
T = 30.06'
L = 58.40'
R = 100.00'
PC STA = 54+45.19'RNB'
Y = 526601.543
X = 826071.839
PT STA = 55+03.60'RNB'
Y = 526648.318
X = 826105.413
BK = N18°56'20"E
AH = N52°24'07"E

CURVE = C16
PI STA = 57+90.01'RNB'
Y = 526911.126
X = 826214.351
DELTA = 22°14'26"
D = 11°27'33"
T = 98.28'
L = 194.09'
R = 500.00'
PC STA = 56+91.73'RNB'
Y = 526813.308
X = 826204.827
PT STA = 58+85.81'RNB'
Y = 526998.061
X = 826260.191
BK = N05°33'41"E
AH = N27°48'07"E

RIVER ROAD

CURVE = C10
PI STA = 53+12.08'RSB'
Y = 526485.491
X = 826008.179
DELTA = 5°48'25"
D = 3°49'11"
T = 76.08'
L = 152.03'
R = 1500.00'
PC STA = 52+36.00'RSB'
Y = 526417.513
X = 825974.018
PT STA = 53+88.03'RSB'
Y = 526556.577
X = 826035.288
BK = N26°40'52"E
AH = N20°52'27"E

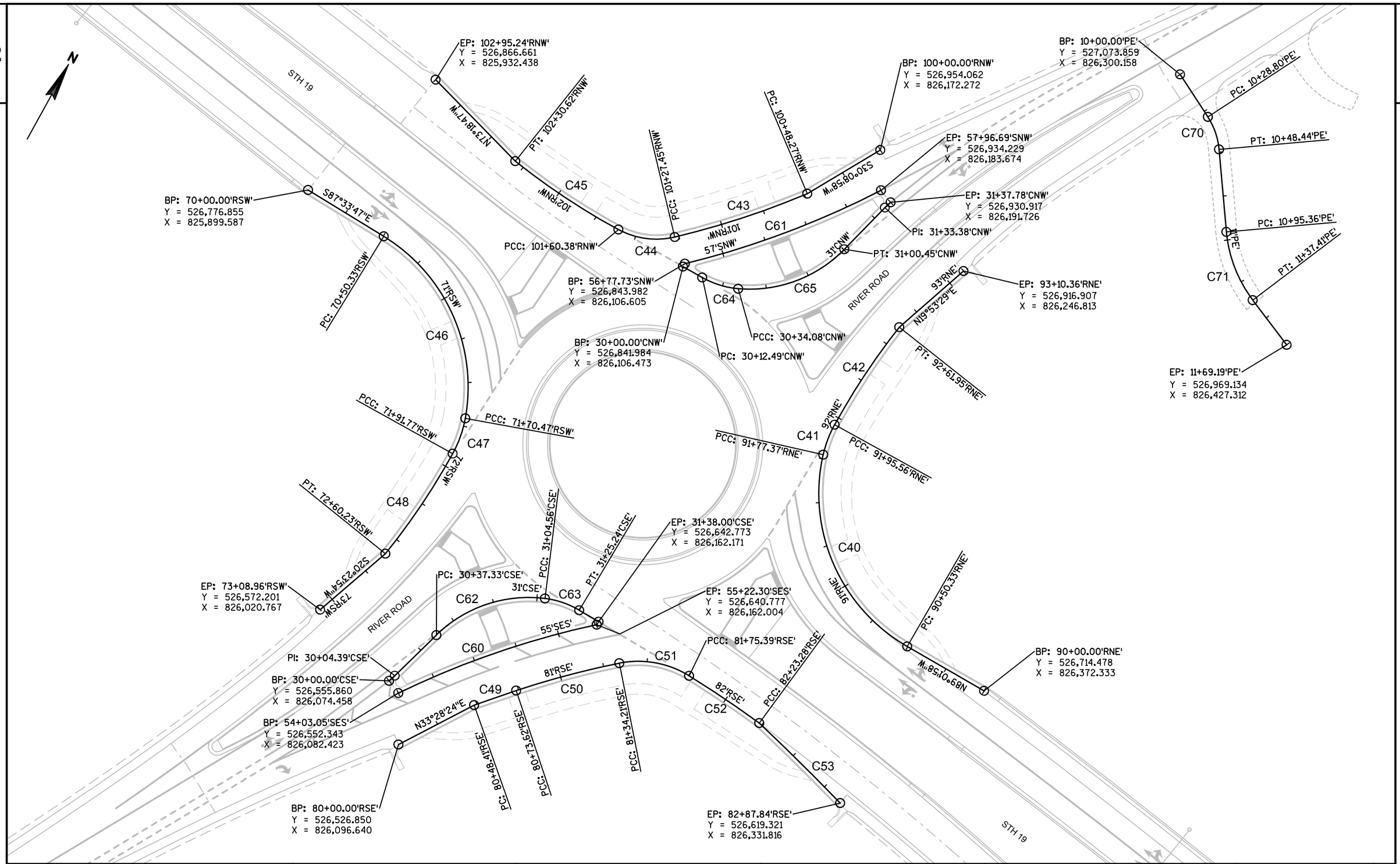
CURVE = C11
PI STA = 54+48.85'RSB'
Y = 526613.405
X = 826056.959
DELTA = 13°52'15"
D = 11°27'33"
T = 60.82'
L = 121.04'
R = 500.00'
PC STA = 53+88.03'RSB'
Y = 526556.577
X = 826035.288
PT STA = 55+09.07'RSB'
Y = 526673.771
X = 826064.374
BK = N20°52'27"E
AH = N07°00'12"E

BP: 145+79.32'EB'
Y = 526,670.828
X = 826,186.366

142'WB' 142'EB' STH 19 143'WB' 143'EB' 144'WB' 144'EB' C1 C3 C31 C30 11'CCR' 11'CR' 12'CCR' 12'CR' 13'CCR' 13'CR' 14'CCR' 14'CR' 15'CCR' 15'CR' C12 57'RSB' 57'RNB' C13 59'RSB' 59'RNB' 60'RSB' 60'RNB' RIVER ROAD C16 58'RSB' 58'RNB' C4 146'EB' 147'WB' 147'EB' C2 148'WB' 148'EB' STH 19 C11 55'RSB' 55'RNB' C15 C10 54'RSB' 54'RNB' RIVER ROAD C14 53'RSB' 53'RNB' 52'RSB'

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	ROUNDABOUT ALIGNMENTS	SHEET	E

2



PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	ROUNDABOUT ALIGNMENTS	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0272_AD_02.DWG
LAYOUT NAME - AD_02
PLOT DATE : 3/9/2019 8:11 AM
PLOT BY : KRUEGER, KIRK
PLOT NAME :
PLOT SCALE : 1 IN:50 FT

2

NE QUADRANT

CURVE = C40
PI STA = 91+24.04'RNE'
Y = 526716.571
X = 826248.310
DELTA = 72°47'07"
D = 57°17'45"
T = 73.71'
L = 127.03'
R = 100.00'
PC STA = 90+50.33'RNE'
Y = 526715.327
X = 826322.006
PT STA = 91+77.37'RNE'
Y = 526787.334
X = 826227.688
BK = N89°01'58"W
AH = N16°14'51"W

CURVE = C41
PI STA = 91+86.52'RNE'
Y = 526796.124
X = 826225.126
DELTA = 16°02'05"
D = 88°08'50"
T = 9.16'
L = 18.19'
R = 65.00'
PC STA = 91+77.37'RNE'
Y = 526787.334
X = 826227.688
PT STA = 91+95.56'RNE'
Y = 526805.279
X = 826225.092
BK = N16°14'51"W
AH = N00°12'46"W

CURVE = C42
PI STA = 92+28.83'RNE'
Y = 526838.553
X = 826224.968
DELTA = 9°30'37"
D = 14°19'26"
T = 33.27'
L = 66.39'
R = 400.00'
PC STA = 91+95.56'RNE'
Y = 526805.279
X = 826225.092
PT STA = 92+61.95'RNE'
Y = 526871.390
X = 826230.344
BK = N00°12'46"W
AH = N09°17'51"E

NW QUADRANT

CURVE = C43
PI STA = 100+87.95'RNW'
Y = 526881.111
X = 826123.525
DELTA = 9°26'42"
D = 11°55'39"
T = 39.68'
L = 79.19'
R = 480.37'
PC STA = 100+48.27'RNW'
Y = 526912.324
X = 826148.030
PT STA = 101+27.45'RNW'
Y = 526854.342
X = 826094.231
BK = S38°08'03"W
AH = S47°34'44"W

CURVE = C44
PI STA = 101+44.69'RNW'
Y = 526842.713
X = 826081.505
DELTA = 41°55'20"
D = 127°19'26"
T = 17.24'
L = 32.93'
R = 45.00'
PC STA = 101+27.45'RNW'
Y = 526854.342
X = 826094.231
PT STA = 101+60.38'RNW'
Y = 526842.563
X = 826064.267
BK = S47°34'44"W
AH = S89°30'05"W

CURVE = C45
PI STA = 101+95.59'RNW'
Y = 526842.256
X = 826029.059
DELTA = 10°03'39"
D = 14°19'26"
T = 35.21'
L = 70.24'
R = 400.00'
PC STA = 101+60.38'RNW'
Y = 526842.563
X = 826064.267
PT STA = 102+30.62'RNW'
Y = 526848.105
X = 825994.339
BK = S89°30'05"W
AH = N80°26'17"W

SW QUADRANT

CURVE = C46
PI STA = 71+18.85'RSW'
Y = 526771.807
X = 826018.203
DELTA = 68°49'58"
D = 57°17'45"
T = 68.51'
L = 120.14'
R = 100.00'
PC STA = 70+50.33'RSW'
Y = 526774.720
X = 825949.752
PT STA = 71+70.47'RSW'
Y = 526706.922
X = 826040.204
BK = S87°33'47"E
AH = S18°43'49"E

CURVE = C47
PI STA = 71+81.21'RSW'
Y = 526696.747
X = 826043.654
DELTA = 18°46'17"
D = 88°08'50"
T = 10.74'
L = 21.30'
R = 65.00'
PC STA = 71+70.47'RSW'
Y = 526706.922
X = 826040.204
PT STA = 71+91.77'RSW'
Y = 526686.003
X = 826043.646
BK = S18°43'49"E
AH = S00°02'28"W

CURVE = C48
PI STA = 72+26.08'RSW'
Y = 526651.689
X = 826043.622
DELTA = 9°48'22"
D = 14°19'26"
T = 34.31'
L = 68.46'
R = 400.00'
PC STA = 71+91.77'RSW'
Y = 526686.003
X = 826043.646
PT STA = 72+60.23'RSW'
Y = 526617.880
X = 826037.753
BK = S00°02'28"W
AH = S09°50'51"W

SE QUADRANT

CURVE = C49
PI STA = 80+61.01'RSE'
Y = 526576.667
X = 826131.697
DELTA = 0°57'47"
D = 3°49'11"
T = 12.61'
L = 25.21'
R = 1500.00'
PC STA = 80+48.41'RSE'
Y = 526567.230
X = 826123.340
PT STA = 80+73.62'RSE'
Y = 526585.963
X = 826140.212
BK = N41°31'32"E
AH = N42°29'19"E

CURVE = C50
PI STA = 81+03.95'RSE'
Y = 526608.333
X = 826160.702
DELTA = 7°17'35"
D = 12°02'13"
T = 30.34'
L = 60.59'
R = 476.00'
PC STA = 80+73.62'RSE'
Y = 526585.963
X = 826140.212
PT STA = 81+34.21'RSE'
Y = 526627.920
X = 826183.866
BK = N42°29'19"E
AH = N49°46'54"E

CURVE = C51
PI STA = 81+55.82'RSE'
Y = 526641.873
X = 826200.366
DELTA = 42°53'57"
D = 104°10'27"
T = 21.61'
L = 41.18'
R = 55.00'
PC STA = 81+34.21'RSE'
Y = 526627.920
X = 826183.866
PT STA = 81+75.39'RSE'
Y = 526640.863
X = 826221.952
BK = N49°46'54"E
AH = S87°19'08"E

CURVE = C52
PI STA = 81+99.35'RSE'
Y = 526639.742
X = 826245.885
DELTA = 4°34'29"
D = 9°33'06"
T = 23.96'
L = 47.89'
R = 599.85'
PC STA = 81+75.39'RSE'
Y = 526640.863
X = 826221.952
PT STA = 82+23.28'RSE'
Y = 526636.716
X = 826269.653
BK = S87°19'08"E
AH = S82°44'40"E

CURVE = C53
PI STA = 82+55.57'RSE'
Y = 526628.698
X = 826300.924
DELTA = 2°30'21"
D = 3°52'55"
T = 32.28'
L = 64.56'
R = 1476.00'
PC STA = 82+23.28'RSE'
Y = 526636.716
X = 826269.653
PT STA = 82+87.84'RSE'
Y = 526619.321
X = 826331.816
BK = S75°37'12"E
AH = S73°06'50"E

SE ISLAND

CURVE = C60
PI STA = 54+62.96'SES'
Y = 526601.327
X = 826116.915
DELTA = 13°39'55"
D = 11°27'33"
T = 59.91'
L = 119.25'
R = 500.00'
PC STA = 54+03.05'SES'
Y = 526552.343
X = 826082.423
PT STA = 55+22.30'SES'
Y = 526640.777
X = 826162.004
BK = N35°09'03"E
AH = N48°48'58"E

PI: 30+04.39'CSE'
Delta = 2°44'47"
Y = 526,560.002
X = 826075.921
BK = N19°26'50"E
AH = N16°42'03"E

CURVE = C62
PI STA = 30+73.39'CSE'
Y = 526626.091
X = 826095.749
DELTA = 51°21'28"
D = 76°23'40"
T = 36.06'
L = 67.23'
R = 75.00'
PC STA = 30+37.33'CSE'
Y = 526591.551
X = 826085.386
PT STA = 31+04.56'CSE'
Y = 526639.565
X = 826129.198
BK = N16°42'03"E
AH = N68°03'31"E

CURVE = C63
PI STA = 31+15.05'CSE'
Y = 526643.485
X = 826138.928
DELTA = 23°41'46"
D = 114°35'30"
T = 10.49'
L = 20.68'
R = 50.00'
PC STA = 31+04.56'CSE'
Y = 526639.565
X = 826129.198
PT STA = 31+25.24'CSE'
Y = 526643.163
X = 826149.412
BK = N68°03'31"E
AH = S88°14'43"E

NW ISLAND

CURVE = C61
PI STA = 57+37.49'SNW'
Y = 526884.500
X = 826150.533
DELTA = 13°37'53"
D = 11°27'33"
T = 59.76'
L = 118.96'
R = 500.00'
PC STA = 56+77.73'SNW'
Y = 526843.982
X = 826106.605
PT STA = 57+96.69'SNW'
Y = 526934.229
X = 826183.674
BK = N47°18'45"E
AH = N33°40'52"E

CURVE = C64
PI STA = 30+23.45'CNW'
Y = 526841.708
X = 826129.924
DELTA = 24°44'21"
D = 114°35'30"
T = 10.97'
L = 21.59'
R = 50.00'
PC STA = 30+12.49'CNW'
Y = 526841.837
X = 826118.960
PT STA = 30+34.08'CNW'
Y = 526846.180
X = 826139.937
BK = S89°19'38"E
AH = N65°56'01"E

CURVE = C65
PI STA = 30+69.61'CNW'
Y = 526860.671
X = 826172.382
DELTA = 50°42'09"
D = 76°23'40"
T = 35.53'
L = 66.37'
R = 75.00'
PC STA = 30+34.08'CNW'
Y = 526846.180
X = 826139.937
PT STA = 31+00.45'CNW'
Y = 526894.957
X = 826181.718
BK = N65°56'01"E
AH = N15°13'51"E

PI: 31+33.38'CNW'
Delta = 2°44'47"
Y = 526,926.739
X = 826190.371
BK = N15°13'51"E
AH = N17°58'39"E

PE RIVER ROAD

CURVE = C70
PI STA = 10+38.82'PE'
Y = 527055.751
X = 826334.500
DELTA = 28°08'18"
D = 143°14'22"
T = 10.02'
L = 19.64'
R = 40.00'
PC STA = 10+28.80'PE'
Y = 527060.426
X = 826325.632
PT STA = 10+48.44'PE'
Y = 527047.446
X = 826340.114
BK = S62°11'53"E
AH = S34°03'35"E

CURVE = C71
PI STA = 11+16.95'PE'
Y = 526990.689
X = 826378.483
DELTA = 32°07'18"
D = 76°23'40"
T = 21.59'
L = 42.05'
R = 75.00'
PC STA = 10+95.36'PE'
Y = 527008.577
X = 826366.391
PT STA = 11+37.41'PE'
Y = 526981.969
X = 826398.237
BK = S34°03'35"E
AH = S66°10'53"E

3

CLEARING & GRUBBING

CAT	STA	TO	STA	OFFSET	ALIGN	201.0105 CLEARING STA	201.0205 GRUBBING STA
0010							
	152+00	-	153+00	RT	EB	1	1
	154+00	-	156+00	RT	EB	2	2
	155+00	-	157+00	LT	WB	2	2
	163+00	-	164+00	LT	EB	1	1
	7+00	-	10+00	RT	LWS	3	3
	176+00	-	183+00	RT	EB	7	7
	186+00	-	192+00	RT	EB	6	6
	154+50	-	155+50	RT	YA	1	1
	154+50	-	155+50	LT	YA	1	1
			CATEGORY 0010 SUBTOTAL			24	24
			PROJECT TOTAL			**24**	**24**

REMOVING ASPHALTIC SURFACE

CAT	STA	TO	STA	OFFSET	ALIGN	204.0110 REMOVING ASPHALTIC SURFACE SY	COMMENTS
0010							
	163+67	-	167+59	LT	EB	430	STAGE 1D-LNW MEDIAN ISLAND
	168+78	-	172+75	RT	WB	1630	STAGE 1D-LNW MEDIAN ISLAND
	52+98	-	54+93	LT	RNB	470	STAGE 2B-RAB- MEDIAN ISLAND
			CATEGORY 0010 SUBTOTAL			2530	
0050							
	256+71	-	260+97	LT/RT	TEB1	570	STAGE 1E- MEDIAN CROSSOVER
			CATEGORY 0050 SUBTOTAL			570	
			PROJECT TOTAL			**3100**	

REMOVING PAVEMENT

CAT	STA	TO	STA	OFFSET	ALIGN	LOCATION	204.0100 REMOVING PAVEMENT SY
0010							
	134+80	-	154+73	LT/RT	WB	WEST OF B-13-795	8620
			55+19	LT/RT	RNB	SOUTH RIVER RD	460
			55+35	LT/RT	RSB	NORTH RIVER RD	460
	155+50	-	194+55	LT/RT	WB	EAST OF B-13-795	16500
			CATEGORY 0010 SUBTOTAL				26040
			PROJECT TOTAL				**26040**

REMOVING CURB & GUTTER AND SIDEWALK

CAT	STA	TO	STA	OFFSET	ALIGN	LOCATION	204.0130 REMOVING CURB LF	204.0150 REMOVING CURB & GUTTER LF	204.0155 REMOVING CONCRETE SIDEWALK SY
0010									
	7+66	-	9+98	RT	LWS	SIDEWALK	-	-	130
	7+66	-	10+39	LT	LWS		-	310	-
	7+66	-	10+39	RT	LWS		-	290	-
	10+44	-	10+82	LT	CW	SPLITTER ISLAND	95	-	-
	10+56	-	11+18	LT	CW		-	90	-
	10+56	-	11+18	RT	CW		-	80	-
	8+00	-	10+27	RT	LES		-	160	-
	8+00	-	10+37	LT	LES		-	180	-
			CATEGORY 0010 SUBTOTAL				95	1110	130
			PROJECT TOTAL				**95**	**1110**	**130**

REMOVING CONCRETE BASE

CAT	STA	OFFSET	ALIGN	204.0195* REMOVING CONCRETE BASE EACH
0010				
	152+12	6.8' LT	WB	1
	CATEGORY 0010 SUBTOTAL			1
	PROJECT TOTAL			**1**

***ADDITIONAL QUANTITIES LISTED ELSEWHERE**

REMOVING GUARDRAIL

CAT	STA	TO	STA	OFFSET	ALIGN	LOCATION	204.0165 REMOVING GUARDRAIL LF
0010							
	152+70	-	154+65	RT	WB	STH 19	200
	153+69	-	154+67	LT	WB	STH 19	97
	155+56	-	157+92	LT	WB	STH 19	220
	155+61	-	156+53	RT	WB	STH 19	93
			CATEGORY 0010 SUBTOTAL				610
			PROJECT TOTAL				**610**

REMOVING FENCE

CAT	STA	TO	STA	OFFSET	ALIGN	204.0170 REMOVING FENCE LF
0010						
	149+59	-	152+84	LT	WB	370
	181+88	-	8+97	RT/LT	EB/LES	650
			CATEGORY 0010 SUBTOTAL			1020
			PROJECT TOTAL			**1020**

REMOVING BUILDINGS

CAT	STA	OFFSET	ALIGN	204.0230.01 REMOVING BUILDING (TOBACCO SHED) LS	204.0230.02 REMOVING BUILDING (SALT SHED) LS	COMMENTS
0010						
	58+50	LT	RNB	1	-	85' x 30' TOBACCO SHED
	183+75	RT	EB	-	1	100' x 65' SALT SHED
	CATEGORY 0010 SUBTOTAL			1	1	
	PROJECT TOTAL			**1**	**1**	

REMOVING DELINEATORS AND MARKERS

CAT	STA	TO	STA	OFFSET	ALIGN	204.0180 REMOVING DELINEATORS AND MARKERS EACH
0010						
			143+86	RT	WB	1
	11+73	-	12+71	RT	CR	2
	57+05	-	57+12	30' RT	RNB	2
			62+07	LT/RT	RNB	2
			147+47	32' RT	WB	1
			150+24	29' RT	WB	1
			168+60	LT	WB	1
			168+81	55' RT	WB	1
			10+80	48' LT	CW	1
			10+83	50' RT	CW	1
	10+83	-	11+04	RT	CW	5
	186+26	-	188+39	LT	WB	8
	187+22	-	188+37	40' RT	WB	2
			CATEGORY 0010 SUBTOTAL			28
			PROJECT TOTAL			**28**

REMOVING SURFACE DRAINS

CAT	STA	OFFSET	ALIGN	LOCATION	204.0190 REMOVING SURFACE DRAINS EACH
0010					
	146+00	LT	WB	NB RIVER RD/ WB	1
	146+00	RT	EB	NB RIVER RD/ EB	1
	10+22	LT	LES	LIUNA WAY EAST/ EB	1
	10+22	RT	LES	LIUNA WAY EAST/ EB	1
				CATEGORY 0010 SUBTOTAL	4
				PROJECT TOTAL	**4**

3

EXISTING DRAINAGE REMOVALS

CAT	STA	TO	STA	OFFSET	ALIGN	LOCATION	203.0100 REMOVING SMALL PIPE CULVERTS EACH	204.0210 REMOVING MANHOLES EACH	204.0220 REMOVING INLETS EACH	204.0245.01 REMOVING STORM SEWER 15-INCH LF	204.0245.02 REMOVING STORM SEWER 24-INCH LF	204.0245.03 REMOVING STORM SEWER 48-INCH LF	COMMENTS
0010													
			143+86	RT	WB	MEDIAN	-	-	1	9	-	-	RCCP MATERIAL
			143+86	RT	WB	MEDIAN	-	-	1	69	-	-	RCCP MATERIAL
			56+00		RNB	RUNS ACROSS RD	1	-	-	-	-	-	36-INCH RCCP
			57+07		RNB	RUNS ACROSS RD	1	-	-	-	-	-	36-INCH RCCP
			57+46	74' RT	RNB		-	1	-	-	-	-	
	58+89	-	59+17	31' RT	RNB	DRIVEWAY	1	-	-	-	-	-	18-INCH
	58+95	-	59+21	5' LT	RSB	DRIVEWAY	1	-	-	-	-	-	18-INCH
	60+10	-	60+28	30' RT	RNB	DRIVEWAY	1	-	-	-	-	-	18-INCH
			62+07	LT/RT	RNB	RUNS ACROSS RD	1	-	-	-	-	-	24x38-Inch
	62+35	-	62+65	27' LT	RSB	DRIVEWAY	1	-	-	-	-	-	18-INCH
			147+50	LT	WB	MEDIAN	-	-	1	63	-	-	RCCP MATERIAL
			150+23	LT	WB	MEDIAN	-	-	2	47	-	-	RCCP MATERIAL
	160+13	-	160+41	19' LT	EB	DRIVEWAY	1	-	-	-	-	-	18-INCH
	160+23	-	160+50	55' LT	WB	DRIVEWAY	1	-	-	-	-	-	18-INCH
	302+65	-	302+72	LT/RT	TC	RUNS ACROSS RD	1	-	-	-	-	-	
	168+58	-	168+60	LT/RT	WB		-	1	-	-	-	110	
	168+58	-	168+81	RT	WB		-	-	-	-	26	-	
	9+17	-	168+58	RT	LWS/WB		-	1	-	-	-	80	
	176+86	-	177+09	28' RT	WB	DRIVEWAY	1	-	-	-	-	-	18-INCH
	10+80	-	11+04	LT	CW		-	-	1	-	40	-	12-INCH RCCP
	10+83	-	10+98	RT	CW		-	-	1	-	27	-	12-INCH RCCP
	10+98	-	11+04	LT/RT	CW	RUNS ACROSS RD	-	-	1	-	44	-	18-INCH RCCP
	187+22	-	188+37	38' RT	WB	RUNS ACROSS LES RD	1	-	-	-	-	-	
	192+36	-	192+60	95' RT	WB		1	-	-	-	-	-	
			CATEGORY 0010 SUBTOTAL				13	3	8	188	137	190	
			PROJECT TOTAL				**13**	**3**	**8**	**188**	**137**	**190**	

STH 19 EARTHWORK SUMMARY

CATEGORY 0010

SUBSTAGE	LOCATION	Excavation Common** (1) (Item # 205.0100)		Unusable Pavement Material (4)	Marsh Excavation (Item # 205.0400)	Available Material (5)	Unexpanded Fill	Expanded Fill (6)	Reduced Marsh in Fill (7)	Mass Ordinate +/- (8)	Borrow (9)
		Cut (2)	EBS Excavation (3)					Factor 1.30	Factor 0.60		(Item # 208.0100)
1A	EB/YA	8314	416	166	6089	7732	35834	46584	3653	-34103	34103
1C	EB/RSB/RAB/WB	25823	1291	2532	0	21999	12476	16219	0	5780	0
1D	RNB/EB	7523	376	577	0	6570	3061	3979	0	2591	0
2A	WB/RAB/RNB/RSB	15704	785	4764	0	10155	10444	13577	0	-3421	0
2B	WB	1981	99	633	0	1249	2803	3643	0	-2394	0
	CATEGORY 0010 SUBTOTALS	59345	2967	8672	6089	47706	64617	84002	3653	-31547	34103
CATEGORY 0050											
1A	TEMP. CROSSOVERS/ EB/ WB	4547	227	0	0	4320	678	881	0	3439	3439
1C	TC/TCS	1024	51	0	0	973	655	852	0	121	0
1D	RNB	122	6	0	0	116	0	0	0	116	0
1E	TEMP. CROSSOVERS	527	26	193	0	308	22	29	0	279	0
2A	TEMP. CROSSOVER/ RSB/ CW	1346	67	98	0	1180	166	216	0	965	0
2B	TEMP. CROSSOVER	154	8	31	0	115	170	221	0	-106	0
2C	TEMP. CROSSOVER	355	18	127	0	210	86	112	0	98	0
	CATEGORY 0050 SUBTOTALS	8075	404	449	0	7223	1777	2310	0	4912	3439
	PROJECT TOTALS	67420	3371	9121	6089	54928	66394	86312	3653	-26635	37541

1) Excavation Common is the total of Cut and EBS Excavation.
2) Cut includes Unusable Pavement Material.
3) EBS Excavation (CY) to be backfilled with Select Crushed Material. EBS Excavation volume assumed 5% of Cut of Excavation Common.
4) Unusable Pavement Material (Concrete and Asphalt).
5) Available Material = Cut - Unusable Pavement Material - EBS Excavation.
6) Expanded Fill Factor = 1.30; Expanded Fill = Unexpanded Fill * Fill Factor
7) Reduced Marsh in Fill - Excavated Marsh Material is usuable in Fills outside the 1:1 slope. Marsh in Fill Reduction Factor= 0.6
8) The Mass Ordinate + or - Qty calculated for the project. Plus quantity is an excess of material, and minus is a shortage of material.
9) Borrow = Available Material - [(Fill - Reduced Marsh in Fill)*Expanded Fill Factor]
10) All quantities shown in CY.

3

EXCAVATION STONE PILES & STONE FENCES

205.0300

CAT	STA	TO	STA	OFFSET	ALIGN	EXCAVATION STONE PILES & STONE FENCES CY	COMMENTS
0010							
			57+05	RT	RNB	2	RIPRAP FOR EXISTING 36-INCH CULVERT
	63+20	-	154+47	RT/LT	RNB/WB	38	STONE OR ROCK DITCH CHECK
	154+75	-	154+96	LT/RT	WB	69	RIPRAP FOR B-13-795
	155+22	-	155+48	LT/RT	WB	96	RIPRAP FOR B-13-795
	155+58	-	7+60	RT/LT	EB/LWS	10	STONE OR ROCK DITCH CHECK
		UNDISTRIBUTED				10	
			CATEGORY 0010 SUBTOTAL			224	
				PROJECT TOTAL		**224**	

3

REMOVING POST MOUNTED BARRICADE

204.9060.S.03

CAT	STA	OFFSET	ALIGN	REMOVING POST MOUNTED BARRICADES EACH
0010				
	304+10	LT	TCS	3
	304+10	RT	TC	3
	CATEGORY 0050 SUBTOTAL			6
			PROJECT TOTAL	**6**

BASE AGGREGATE MATERIAL

CAT	STA	TO	STA	ALI	305.0110* BASE AGGREGATE DENSE 3/4-INCH TON	305.0120* BASE AGGREGATE DENSE 1 1/4-INCH TON	371.1000.S* QMP BASE AGGREGATE DENSE 1 1/4-INCH COMPACTION TON	624.0100 WATER MGAL
0010								
	131+25	-	144+25	WB	130	6950	6950	71
	10+00	-	14+27	CR	-	780	780	8
	49+90	-	55+09	RSB	66	2470	2470	25
	56+78	-	62+10	RNB	83	2640	2640	27
	145+85	-	154+32	WB	170	3320	3320	35
	155+58	-	194+55	WB	900	16000	16000	170
	7+65	-	9+64	LWS	-	540	540	5
	8+85	-	9+64	LES	-	190	190	2
	156+58	-	167+96	YA	750	1570	1570	23
	UNDISTRIBUTED				211	3440	3440	34
	CATEGORY 0010 SUBTOTAL				2310	37900	37900	400
0050								
	51+30	-	55+08	RNB	-	54	54	1
	57+08	-	59+64	RSB	-	280	280	3
	159+54	-	167+59	EB	-	580	580	6
	8+00	-	9+64	LWS	-	97	97	1
	302+47	-	304+37	TCS	-	1560	1560	16
	10+36	-	11+18	CW	-	570	570	6
	UNDISTRIBUTED				0	310	310	3
	CATEGORY 0050 SUBTOTAL				0	3450	3450	35
				PROJECT TOTAL	**2310**	**41350**	**41350**	**435**

***ADDITIONAL QUANTITIES LISTED ELSEWHERE**

SELECT CRUSHED MATERIAL

CAT	STA	TO	STA	ALIGN	312.0110* SELECT CRUSHED MATERIAL TON	645.0220 GEOGRID TYPE SR SY
0010						
	134+80	-	143+00	WB/EB	3630	5710
	143+00	-	147+00	WB/EB	4350	6870
	52+83	-	54+00	RNB	620	960
	58+00	-	59+64	RNB	660	1020
	147+00	-	154+34	EB	2200	3450
	147+00	-	154+48	WB	2160	3380
	155+62	-	194+00	EB	12200	19240
	155+75	-	194+55	WB	10800	17010
	UNDISTRIBUTED EBS				5640	-
	CATEGORY 0010 SUBTOTAL				42260	57640
0050						
	52+83	-	55+04	RNB	93	150
	57+93	-	59+64	RNB	500	790
	159+54	-	167+59	EB	1610	2530
	9+14	-	9+64	LWS	93	150
	302+37	-	302+96	TC	1000	1580
	168+42	-	176+81	WB	1280	2020
	10+26	-	10+82	CW	870	1370
	UNDISTRIBUTED EBS				770	-
	CATEGORY 0050 SUBTOTAL				6216	8590
				PROJECT TOTAL	**48476**	**66230**

***ADDITIONAL QUANTITIES LISTED ELSEWHERE**
****INCLUDES FRENCH DRAIN QUANTITIES**

3

MARSH EXCAVATION

CAT	STA	TO	STA	ALIGN	312.0110* SELECT CRUSHED MATERIAL TON	511.1300 TEMPORARY SHORING (MARSH EXCAVATION) SF	645.0135 GEOTEXTILE TYPE SR SY	SPV.0195.01 BACKFILL COARSE AGGERATE SIZE NO. 2 TON	SPV.0105.05 DEWATERING LS	COMMENTS
0010										
	152+50	-	154+32	EB	29200	-	2790	-	-	MARSH EXCAVATION FILL
	154+48	-	154+59	EB	-	1890	-	-	-	MARSH EXCAVATION
	154+32	-	154+57	EB	-	-	-	790	-	MATERIAL USED BY PILE LOCATION
	154+32	-	154+59	EB	-	-	-	-	1	DEWATERING FOR MARSH EXCAVATION
		CATEGORY 0010 SUBTOTAL			29200	1890	2790	790	1	
			PROJECT TOTAL		**29200**	**1890**	**2790**	**790**	**1**	

***ADDITIONAL QUANTITIES LISTED ELSEWHERE**

CONCRETE APPROACH SLABS & CONCRETE SURFACE DRAIN

CAT	STA	TO	STA	OFFSET	ALIGN	415.0410 CONCRETE PAVEMENT APPROACH SLAB SY	416.1010 CONCRETE SURFACE DRAINS CY
0010							
	154+16	-	154+34	LT/RT	EB	79	-
	154+32	-	154+47	LT/RT	WB	71	-
	155+62	-	155+78	LT/RT	EB	75	-
	155+75	-	155+93	LT/RT	WB	71	-
	155+97	-	156+17	LT	EB	-	2
	156+13	-	156+44	LT	WB	-	3
	9+49	-	9+54	LT	LES	-	2
			CATEGORY 0010 SUBTOTAL			296	7
				PROJECT TOTAL		**296**	**7**

CONCRETE PAVEMENT ITEMS

CAT	STA	TO	STA	OFFSET	ALIGN	LOCATION	405.0100 COLORING CONCRETE WISDOT RED CY	415.0085 CONCRETE PAVEMENT 8.5-INCH SY	415.1085 CONCRETE PAVEMENT HES 8.5-INCH SY	415.0210 CONCRETE PAVEMENT GAPS EACH	416.0512 CONCRETE TRUCK APRON 12-INCH SY	416.0610 DRILLED TIE BARS EACH	416.0620 DRILLED DOWEL BARS EACH	COMMENTS
0010														
	142+48	-	144+06	RT	EB	STH 19 EB LANES	-	533	-	-	-	-	-	
	142+68	-	144+25	LT	WB	STH 19 WB LANES	-	495	-	-	-	-	-	
	10+00	-	14+27	RT	CR	ROUNDABOUT	-	1631	-	-	-	-	-	
	10+00	-	14+27	RT	CR	TRUCK APRON RAB	152	-	-	-	457	-	-	
	52+83	-	55+09	LT	RSB	SB RIVER RD LANES	-	385	-	-	-	-	-	
	52+83	-	55+03	RT	RNB	NB RIVER RD LANES	-	935	-	-	-	-	-	
	56+98	-	59+64	RT	RNB	NB RIVER RD LANES	-	446	-	-	-	-	-	
	57+05	-	59+64	LT	RSB	SB RIVER RD LANES	-	445	-	-	-	-	-	
	144+00	-	147+00	LT/RT	EB	SUBSTAGE 1C	-	-	-	1	-	-	-	
	146+00	-	154+16	RT	EB	STH 19 EB LANES	-	2467	-	-	-	-	-	
	146+08	-	154+32	LT	WB	STH 19 WB LANES	-	2603	-	-	-	22	13	
	155+77	-	194+00	RT	EB	STH 19 EB LANES	-	12863	-	-	-	23	19	
	155+93	-	194+70	LT/RT	WB	STH 19 WB LANES	-	11239	-	-	-	-	-	
	192+80	-	194+55	LT	WB	STH 19 WB OUTSIDE LANE	-	-	277	-	-	-	-	SUBSTAGE 2A
	189+85	-	194+70	LT/RT	WB	STH 19 WB INSIDE LANE	-	-	834	-	-	-	-	SUBSTAGE 2B-RAB
	166+00	-	170+00	LT/RT	EB	SUBSTAGE 1A-LNW1	-	-	-	1	-	-	-	
	167+26	-	168+06	LT/RT	EB	LIUNA WAY LANES	-	-	545	-	-	-	-	SUBSTAGE 1A-LNW1
	168+06	-	168+88	LT/RT	EB	LIUNA WAY LANES	-	-	644	-	-	-	-	SUBSTAGE 1A-LNW2
	9+02	-	9+64	LT/RT	LES	LIUNA WAY LANES	-	347	-	-	-	-	-	
						CATEGORY 0010 SUBTOTAL	152	34389	2300	2	457	45	32	
0050														
	52+83	-	55+08	RT	RNB	SB RIVER RD RT TURN LANE	-	115	-	-	-	-	-	
	57+08	-	59+64	LT	RSB	SB RIVER RD RT TURN LANE	-	515	-	-	-	-	-	
	159+54	-	167+59	LT	EB	STH 19 EB LT TURN LANE	-	1730	-	-	-	-	-	
	9+14	-	9+64	LT	LWS	LIUNA WAY LANE	-	-	106	-	-	-	-	
	302+37	-	302+96	LT/RT	TC	TEIRNEY CROSSING LANES	-	1200	-	-	-	-	-	
	168+41	-	176+81	RT	WB	STH 19 WB LT TURN LANE	-	1217	-	-	-	-	-	
	10+36	-	10+82	LT/RT	CW	CW LANES & WB STH 19 RT TURN LANE	-	1003	-	-	-	-	-	
						CATEGORY 0050 SUBTOTAL	0	5780	106	0	0	0	0	
						PROJECT TOTAL	**152**	**40169**	**2406**	**2**	**457**	**45**	**32**	

3

DRIVEWAYS

CAT	STA	TO	STA	OFFSET	ALIGN	305.0120* BASE AGGREGATE DENSE 1 1/4-INCH TON	371.1000.S* QMP BASE AGGREGATE DENSE 1 1/4-INCH COMPACTION TON	416.0160 CONCRETE DRIVEWAY 6-INCH SY	465.0120 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES TON
0010									
	59+60	-	59+84	RT	RNB	55	55	-	-
	60+13	-	60+55	RT	RNB	26	26	-	-
	60+73	-	61+25	LT	RSB	26	26	-	-
	62+30	-	62+70	LT	RSB	24	24	-	9
	159+98	-	160+74	LT	WB	35	35	-	14
	7+97	-	8+32	LT	LWS	14	14	37	-
			CATEGORY 0010 SUBTOTAL			180	180	37	23
			PROJECT TOTAL			**180**	**180**	**37**	**23**

***ADDITIONAL QUANTITIES LISTED ELSEWHERE**

TEMPORARY ASPHALTIC CURB

CAT	STA	TO	STA	OFFSET	ALIGN	SPV.0090.01 ASPHALTIC CURB TEMPORARY LF	COMMENTS
0050							
	188+14	-	194+69	LT/RT	WB	660	INSTALLED IN STAGE 1D TEMPORARY EB SHIFT
			CATEGORY 0010 SUBTOTAL			660	
			PROJECT TOTAL			**660**	

3

ASPHALT FLUMES

CAT	STA	TO	STA	OFFSET	ALIGN	465.0315 ASPHALT FLUMES SY
0010						
	53+90	-	53+98	LT	RSB	16
	53+78	-	53+86	RT	RNB	23
	58+04	-	58+12	RT	RNB	16
	58+10	-	58+18	LT	RSB	23
	147+32	-	147+40	RT	EB	24
	149+53	-	149+61	LT	EB	12
	149+64	-	149+72	RT	WB	12
	149+64	-	149+72	LT	WB	17
	188+36	-	188+44	RT	EB	12
			CATEGORY 0010 SUBTOTAL			155
0050						
	162+14	-	162+43	LT	EB	31
	173+56	-	173+84	RT	WB	31
			CATEGORY 0050 SUBTOTAL			62
			PROJECT TOTAL			**217**

RUMBLE STRIPS

CAT	STA	TO	STA	OFFSET	ALIGN	416.1110 CONCRETE SHOULDER RUMBLE STRIPS LF	465.0400 ASPHALTIC SHOULDER RUMBLE STRIPS LF	465.0425 ASPHALTIC SHOULDER RUMBLE STRIPS 2-LANE RURAL LF	465.0475 ASPHALTIC CENTER LINE RUMBLE STRIPS 2-LANE RURAL LF	643.0310.S TEMPORARY PORTABLE RUMBLE STRIPS LS	SPV.0090.02 FILLING EXISTING RUMBLE STRIPS LF	SPV.0090.03 RESTORE EXISTING RUMBLE STRIPS LF
0010												
	131+25	-	134+76	CL	WB	-	-	351	351	-	355	355
	131+25	-	139+23	LT	WB	-	798	-	-	-	-	-
	131+95	-	142+18	RT	EB	-	1026	-	-	-	-	-
	147+32	-	154+16	RT	EB	684	-	-	-	-	-	-
	149+64	-	154+32	LT	WB	468	-			-	-	-
	150+14	-	154+07	LT	WB	-	393	-	-	-	-	-
	156+02	-	162+82	RT	EB	-	680	-	-	-	-	-
	156+18	-	159+72	LT	WB	-	354	-	-	-	-	-
	161+00	-	165+88	LT	WB	-	488	-	-	-	-	-
	USED FOR FLAGGING OPERATION					-	-	-	-	1	-	-
			CATEGORY 0010 SUBTOTAL			1152	3739	351	351	1	355	355
			PROJECT TOTAL			**1152**	**3739**	**351**	**351**	**1**	**355**	**355**

ASPHALT PAVEMENT ITEMS

CAT	STA	TO	STA	OFFSET	ALIGN	LOCATION	450.4000 HMA COLD WEATHER PAVING TON	455.0605 TACK COAT GAL	460.5223 HMA PAVEMENT 3 LT 58-28 S TON	460.5224 HMA PAVEMENT 4 LT 58-28 S TON	460.6223 HMA PAVEMENT 3 MT 58-28 S TON	460.6224 HMA PAVEMENT 4 MT 58-28 S TON
0010												
	134+80	-	142+68	LT	WB	STH 19 EB LANES	513	197	-	-	-	513
	134+80	-	142+48	RT	EB	STH 19 WB LANES	-	241	-	-	-	626
	134+80	-	142+68	LT	WB	STH 19 WB SHLDR	168	-	-	168	-	-
	134+80	-	142+48	RT	EB	STH 19 EB SHLDR	170	-	-	170	-	-
	49+90	-	53+98	LT	RSB	RIVER RD SB SHLDR	-	-	-	43	-	-
	49+90	-	52+83	LT/RT	RNB	RIVER RD LANES	-	67	-	252	-	-
	49+90	-	53+92	RT	RNB	RIVER RD NB SHLDR	-	-	-	43	-	-
	58+04	-	63+10	RT	RNB	RIVER RD NB SHLDR	56	-	-	56	-	-
	58+09	-	63+10	LT	RSB	RIVER RD SB SHLDR	57	-	-	57	-	-
	59+64	-	63+10	LT/RT	RNB	RIVER RD LANES	273	73	-	273	-	
	147+32	-	154+16	RT	EB	SOUTH STH 19 EB SHLDR	-	-	-	100	-	-
	149+53	-	154+16	LT	EB	NORTH STH 19 EB SHLDR	-	-	-	51	-	-
	149+64	-	154+32	LT	WB	NORTH STH 19 WB SHLDR	63	-	-	63	-	-
	149+64	-	154+32	RT	WB	SOUTH STH 19 WB SHLDR	34	-	-	34	-	-
	155+78	-	167+26	RT	EB	SOUTH STH 19 EB SHLDR	116	-	-	116	-	-
	156+06	-	162+28	LT	EB	NORTH STH 19 EB SHLDR	43	-	-	43	-	-
	155+93	-	161+28	RT	WB	SOUTH STH 19 WB SHLDR	61	-	-	61	-	-
	156+26	-	166+78	LT	WB	NORTH STH 19 WB SHLDR	142	-	-	142	-	-
	7+65	-	9+14	LT/RT	LWS	LUNA WAY LANES	61	39	77	61	-	-
	169+99	-	179+34	LT	WB	NORTH STH 19 WB SHLDR	-	-	-	91	-	-
	169+34	-	186+04	RT	EB	SOUTH STH 19 EB SHLDR	-	-	-	190	-	-
	173+71	-	189+86	LT	EB	NORTH STH 19 EB SHLDR	-	-	-	104	-	-
	173+71	-	189+86	RT	WB	SOUTH STH 19 WB SHLDR	-	-	-	97	-	-
	181+27	-	193+81	LT	WB	NORTH STH 19 WB SHLDR	-	-	-	122	-	-
	8+85	-	9+02	LT/RT	LES	LIUNA WAY LANES	-	4	8	7	-	-
	188+81	-	190+82	RT	EB	SOUTH STH 19 EB SHLDR	-	-	-	32	-	-
						CATEGORY 0010 SUBTOTAL	1757	621	85	2376	0	1139
0050												
	51+30	-	52+83	RT	RNB	RIVER RD LANES	-	1	-	5	-	-
	8+00	-	9+14	LT	LWS	LIUNA WAY LANE	-	6	10	12	-	-
	303+96	-	304+37	LT	TCS	SB TIERNEY CROSSING LANES	-	35	-	-	83	55
	303+96	-	304+12	RT	TC	NB TIERNEY CROSSING LANES	-	23	-	-	54	36
	10+82	-	11+18	LT/RT	CW	CASHEL WAY LANES	-	12	-	-	28	19
						CATEGORY 0050 SUBTOTAL	0	77	10	17	165	110
						PROJECT TOTAL	**1757**	**698**	**95**	**2393**	**165**	**1249**

ASPHALTIC SURFACE TEMPORARY

CAT	STAGE	STA	TO	STA	OFFSET	ALIGN	305.0110* BASE AGGREGATE DENSE 3/4-INCH TON	305.0120* BASE AGGREGATE DENSE 1 1/4-INCH TON	312.0110* SELECT CRUSH MATERIAL TON	371.1000.S* QMP BASE AGGREGATE DENSE 1 1/4-INCH COMPACTION TON	450.1100.S ASPHALTIC MIXTURE EXTREME CONDITIONS TON	460.4110.S REHEATING ASPHALTIC PAVEMENT LONGITUDINAL JOINTS LF	465.0110 ASPHALTIC SURFACE PATCHING TON	465.0125 ASPHALTIC SURFACE TEMPORARY TON	COMMENTS
0010															
	1A	232+00	-	244+76	LT/RT	TEB1	360	1440	2220	1440	-	-	-	786	STAGING TEMPORARY WIDENING
	1A	244+82	-	245+04	LT	TEB2	-	-	-	-	-	-	-	11	REMOVE PORK CHOP ISLAND
	1A	46+49	-	56+16	LT/RT	TRR	140	950	1590	950	-	-	-	564	STAGING TEMPORARY WIDENING
	1A	245+57	-	247+50	LT	TEB1	45	79	86	79	-	-	-	30	STAGING TEMPORARY WIDENING
	1A	245+68	-	251+15	LT/RT	TEB1	-	270	510	270	-	-	-	180	REMOVE MEDIAN ISLAND
	1A-LNW1	9+03	-	9+23	RT	LWS	-	-	-	-	-	-	-	20	AFTER INSTALLING PIPE RUN
	1A-LNW1	168+54	-	169+05	LT	WB	-	-	-	-	-	-	-	38	AFTER INSTALLING PIPE RUN
	1A-LNW2	165+99	-	168+64	RT	WB	-	-	-	-	-	-	-	92	
	1A-LNW2	167+26	-	167+59	RT	WB	-	12	23	12	-	-	-	8	
	1B	263+47	-	267+38	LT	TEB1	-	-	-	-	-	-	-	97	SPLITTER ISLAND MEDIAN
	1C	52+98	-	55+04	LT	RNB	-	-	-	-	-	-	-	106	ISLAND MEDIAN
	1C	244+41	-	245+14	LT	TEB1	-	-	-	-	-	-	-	102	
	1C	159+65	-	160+65	LT	WB	-	-	-	-	-	-	-	64	
	1C	174+49	-	175+00	RT	WB	13	130	230	130	-	-	-	82	ROUNDABOUT TEMPORARY PAVEMENT
	1D-MED	186+20	-	188+42	LT	WB	-	-	-	-	-	-	-	62	
	1D-MED	188+14	-	194+68	LT/RT	WB	-	570	1090	570	-	-	-	386	
	1D	231+38	-	244+22	RT	TEB2	91	710	1350	710	-	-	-	478	STAGING TEMPORARY WIDENING
	1D	244+16	-	245+46	LT/RT	TEB2	23	38	89	38	-	-	-	113	ROUNDABOUT TEMPORARY PAVEMENT
	1D	245+60	-	251+12	LT	TEB2	-	-	-	-	-	-	-	59	STAGING TEMPORARY WIDENING
	1D	246+14	-	249+20	RT	TEB2	22	65	120	65	-	-	-	44	STAGING TEMPORARY WIDENING
	2B-RAB	131+25	-	139+73	RT	EB	-	-	-	-	-	850	-	-	AFTER REMOVING TEMPORARY EB WIDENING
		PROJECT LIMITS					-	-	-	-	-	-	25	-	
		UNDISTRIBUTED					66	426	732	426	-	-	-	328	
		CATEGORY 0010 SUBTOTAL					760	4690	8040	4690	0	850	25	3650	
0050															
	1A	256+70	-	260+97	LT/RT	TEB1	83	250	364	250	129	-	-	-	TEMPORARY 2-WAY MEDIAN CROSSOVER
	1A	268+59	-	278+39	LT/RT	TEB1	36	370	656	370	366	-	-	-	TEMPORARY 2-WAY MEDIAN CROSSOVER
	1E	257+26	-	260+88	LT/RT	TEB2	86	210	282	210	-	-	-	100	TEMPORARY SINGLE LANE MEDIAN CROSSOVER
	1E	272+64	-	275+76	LT/RT	TEB2	58	220	332	220	-	-	-	118	TEMPORARY SINGLE LANE MEDIAN CROSSOVER
	1E	292+00	-	294+63	LT/RT	TEB2	45	130	179	130	-	-	-	63	TEMPORARY SINGLE LANE MEDIAN CROSSOVER
	2A	147+65	-	151+49	LT/RT	TEB3	61	180	264	180	-	-	-	93	TEMPORARY SINGLE LANE MEDIAN CROSSOVER
		UNDISTRIBUTED					41	140	203	140	45	-	-	36	
		CATEGORY 0050 SUBTOTAL					410	1500	2280	1500	540	0	0	410	
		PROJECT TOTAL					**1170**	**6190**	**10320**	**6190**	**540**	**850**	**25**	**4060**	

***ADDITIONAL QUANTITIES LISTED ELSEWHERE**

TEMPORARY DRAINAGE

CAT	STAGE	STA	TO	STA	OFFSET	ALIGN	520.2012 CULVERT PIPE TEMPORARY 12-INCH LF	520.2018 CULVERT PIPE TEMPORARY 18-INCH LF	520.2042 CULVERT PIPE TEMPORARY 42-INCH LF	520.8000* CONCRETE PIPE COLLAR FOR PIPE EACH	520.8700 CLEANING CULVERT PIPES EACH	611.0430 RECONSTRUCTION INLETS EACH	611.8120.S COVER PLATES TEMPORARY EACH	650.4000* CONSTRUCTION STAKING STORM SEWER EACH	650.6000* CONSTRUCTION STAKING PIPE CULVERT EACH	SPV.0060.01 TEMPORARY INLET EACH	COMMENTS
0010																	
	1A			54+00	LT/RT	TRR	-	54	-	-	-	-	-	-	1	-	TEMP. 18-INCH CULVET
	1A			54+92	LT	TRR	-	-	-	-	-	-	1	-	-	-	COVER MANHOLE 3.1
	1B	55+28	-	55+62	RT	TRR	-	-	106	1	1	-	-	-	-	-	EXISTING CULVERT EXTENSION
	1B			243+89	LT	TEB1	-	10	-	1	1	-	-	-	-	-	EXISTING CULVERT EXTENSION
	1C			143+58	RT	EB	-	-	-	-	-	-	1	-	-	-	PROPSED PB-4
	1B	244+07	-	244+58	LT	TEB1	-	-	52	1	1	-	-	-	-	-	EXISTING CULVERT EXTENSION
	1B			247+20	RT	TEB1	-	-	-	-	-	-	1	-	-	-	COVER INLET
	1B			249+94	LT	TEB1	-	-	-	-	-	-	2	-	-	-	COVER INLETS
	1B			268+32	LT	TEB1	-	-	-	-	-	-	1	-	-	-	COVER INLETS 8.4
	1B			268+74	LT	TEB1	-	-	-	-	-	-	1	-	-	-	COVER INLETS 8.6
	1B			268+74	LT	TEB1	-	-	-	-	-	-	1	-	-	-	COVER INLETS 8.3
	1B			263+57	LT	TEB1	-	-	-	-	-	-	-	1	-	1	TEMP. INLET STUB PIPE TO INLET 7.2
	1B			272+04	LT	TEB1	-	-	-	-	-	-	1	1	-	1	TEMP. INLET STUB PIPE TO INLET 10.1
	2A	243+56	-	243+63	RT	TEB2	-	16	-	-	-	-	-	-	-	-	EXTEND PIPE RUN 1.0
	2A			243+78	RT	TEB2	-	-	-	-	-	-	1	-	-	-	COVER INLET 1.1
	2A			245+34	LT	TEB2	-	-	-	-	-	-	1	-	-	-	COVER INLET 3.5
	2A			53+08	LT	RNB	-	-	-	-	-	-	1	-	-	-	COVER INLET 2.1
	2A			53+08	LT	RNB	-	-	-	-	-	-	1	-	-	-	COVER INLET 2.2
				CATEGORY 0010 SUBTOTAL			0	80	158	3	3	0	13	2	1	2	
0050																	
	1B	258+01	-	258+75	LT/RT	TEB1	75	-	-	-	-	1	-	-	-	-	CONNECT TO INLET 6.1 MEDIAN CROSSOVER
	1B			258+78	RT	TEB1	-	-	-	-	-	-	1	-	-	-	COVER INLET 6.1 MEDIAN CROSSOVER
	1B	258+81	-	261+30	LT	TEB1	250	-	-	-	-	-	-	-	-	-	CONNECT TO INLET 6.1 MEDIAN CROSSOVER
	1B	273+95		275+78	LT	TEB1	-	135	-	-	-	1	1	-	-	-	CONNECT TO INLET 11.1 MEDIAN CROSSOVER
	1B	275+83	-	277+30	RT	TEB1	-	145	-	-	-	-	-	-	-	-	CONNECT TO INLET 11.1 MEDIAN CROSSOVER
	2B	249+40	-	250+77	LT/RT	TEB3	140	-	-	-	-	-	-	-	1	-	MEDIAN CROSSOVER
				CATEGORY 0050 SUBTOTAL			465	280	0	0	0	2	2	0	1	0	
				PROJECT TOTAL			**465**	**360**	**158**	**3**	**3**	**2**	**15**	**2**	**2**	**2**	

***ADDITIONAL QUANTITIES LISTED ELSEWHERE**

CONCRETE CURB & GUTTER

CAT	STA	TO	STA	OFFSET	ALIGN	LOCATION	601.0115 CONCRETE CURB TYPE G 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	601.0551 CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A LF	601.0553 CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D LF	601.0580 CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R LF	601.0586 CONCRETE CURB & GUTTER 4-INCH SLOPED 30-INCH TYPE TBTT LF	601.0600 CONCRETE CURB PEDESTRIAN LF	650.5500 CONCRETE STAKING CURB AND GUTTER LF
0010																
	139+40	-	142+38	LT	EB	SOUTH MEDIAN	-	-	-	-	-	298	-	-	-	298
	139+42	-	142+40	RT	WB	NORTH MEDIAN	-	-	-	-	-	298	-	-	-	298
	139+73	-	142+38	RT	EB	RT	-	-	-	-	-	265	-	-	-	265
	142+38	-	143+97	LT	EB	SOUTH MEDIAN	-	-	159	-	-	-	-	-	-	159
	142+40	-	144+13	RT	WB	NORTH MEDIAN	-	-	173	-	-	-	-	-	-	173
	143+62	-	143+86	LT	EB	MEDIAN	-	-	-	-	-	-	-	-	86	86
	69+90	-	73+08	RT	RSW	RT	-	-	318	-	-	-	-	-	-	318
	11+00	-	11+45	LT	CR	EAST MEDIAN	-	-	50	-	-	-	-	-	-	50
	12+35	-	12+61	RT	CR	NORTH MEDIAN	-	-	32	-	-	-	-	-	-	32
	53+05	-	54+99	RT	RSB	WEST MEDIAN	-	-	194	-	-	-	-	-	-	194
	53+05	-	54+96	LT	RNB	EAST MEDIAN	-	-	191	-	-	-	-	-	-	191
	54+08	-	55+16	LT	SES	WEST SPLITTER ISLAND	-	-	110	-	-	-	-	-	-	110
	54+09	-	55+15	LT	SES	EAST SPLITTER ISLAND	-	-	106	-	-	-	-	-	-	106
	54+70	-	54+87	RT	RNB	SPLITTER ISLAND	-	-	-	-	-	-	-	-	48	48
	54+72	-	54+85	LT	RNB	MEDIAN	-	-	-	-	-	-	-	-	57	57
	80+00	-	82+88	RT	RSE	RT	-	-	288	-	-	-	-	-	-	288
	10+00	-	14+27	RT	CR	RAB ISLAND	-	333	-	-	-	-	-	-	-	333
	10+00	-	14+27	LT	CR	TRUCK APRON	-	-	-	-	-	-	415	-	-	415
	100+00	-	103+00	LT	RNW	LT	-	-	292	-	-	-	-	-	-	292
	14+12	-	14+34	LT	CR	SOUTH MEDIAN	-	-	32	-	-	-	-	-	-	32
	57+02	-	59+41	LT	RNB	EAST MEDIAN	-	-	113	-	128	-	-	-	-	241
	57+03	-	57+90	RT	RSB	WEST MEDIAN	-	-	110	-	129	-	-	-	-	239
	57+19	-	57+32	LT	RNB	MEDIAN	-	-	-	-	-	-	-	-	55	55
	12+96	-	13+37	RT	CR	WEST MEDIAN	-	-	54	-	-	-	-	-	-	54
	145+92	-	147+65	LT	EB	SOUTH MEDIAN	-	-	361	-	-	-	-	-	-	361
	146+16	-	147+75	RT	WB	NORTH MEDIAN	-	-	157	-	-	-	-	-	-	157
	146+17	-	146+31	LT	EB	MEDIAN	-	-	-	-	-	-	-	-	97	97
	147+75	-	149+64	RT	WB	NORTH MEDIAN	-	-	-	-	-	188	-	-	-	188
	147+65	-	149+53	LT	EB	SOUTH MEDIAN	-	-	-	-	-	188	-	-	-	188
	89+90	-	93+10	RT	RNE	RT	-	-	320	-	-	-	-	-	-	320
	147+75	-	149+64	LT	WB	LT	-	-	190	-	-	-	-	-	-	190
	155+62	-	156+06	LT	EB	LT	-	-	-	-	-	-	-	44	-	44
	155+78	-	156+26	LT	WB	LT	-	-	-	-	-	-	-	47	-	47
	163+75	-	167+36	LT	EB	SOUTH SPLITTER ISLAND	-	-	-	-	378	-	-	-	-	378
	7+66	-	9+14	RT	LWS	RT	-	-	-	146	-	-	-	-	-	146

CONTINUED ON NEXT PAGE

CONCRETE CURB & GUTTER (CONTINUED)

CAT	STA	TO	STA	OFFSET	ALIGN	LOCATION	601.0115 CONCRETE CURB TYPE G 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	601.0551 CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A LF	601.0553 CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D LF	601.0580 CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R LF	601.0586 CONCRETE CURB & GUTTER 4-INCH SLOPED 30-INCH TYPE TBTT LF	601.0600 CONCRETE CURB PEDESTRIAN LF	650.5500 CONCRETE STAKING CURB AND GUTTER LF
0010																
	9+14	-	9+62	RT	LWS	RT	-	-	-	-	84	-	-	-	-	84
	168+49	-	168+70	RT	WB	NORTH SPLITTER ISLAND	-	-	-	-	27	-	-	-	-	27
	168+80	-	172+30	LT	WB	NORTH SPLITTER ISLAND	-	-	-	-	358	-	-	-	-	358
	8+85	-	9+61	LT	LES	LT	-	-	-	-	92	-	-	-	-	92
	8+85	-	9+64	RT	LES	RT	-	-	-	-	59	-	-	-	-	59
	189+85	-	195+47	RT	WB	NORTH MEDIAN	-	-	-	-	562	-	-	-	-	562
	190+81	-	194+95	RT	EB	RT	-	-	-	-	413	-	-	-	-	413
			195+51	RT	WB	EAST MEDIAN	-	-	-	-	2	-	-	-	-	2
						CATEGORY 0010 SUBTOTAL	0	333	3250	146	2232	1237	415	91	343	8047
0050																
	56+84	-	57+90	RT	SNW	EAST SPLITTER ISLAND	-	-	120	-	-	-	-	-	-	120
	56+85	-	57+90	RT	SNW	WEST SPLITTER ISLAND	-	-	105	-	-	-	-	-	-	105
	57+13	-	57+29	LT	RSB	SPLITTER ISLAND	-	-	-	-	-	-	-	-	48	48
	162+42	-	167+29	LT	EB	SOUTH MEDIAN	-	-	-	-	487	-	-	-	-	487
	162+42	-	167+29	RT	WB	NORTH MEDIAN	-	-	-	-	487	-	-	-	-	487
	163+75	-	167+36	LT	EB	NORTH SPLITTER ISLAND	-	-	-	-	378	-	-	-	-	378
	7+66	-	9+19	LT	LWS	LT	-	-	-	156	-	-	-	-	-	156
	9+19	-	9+62	LT	LWS	LT	-	-	-	-	76	-	-	-	-	76
	302+48	-	302+96	LT	LCS	LT	-	-	-	-	75	-	-	-	-	75
	302+49	-	302+97	RT	TC	RT	-	-	-	-	75	-	-	-	-	75
	302+96	-	304+37	LT	LCS	LT	-	-	-	141	-	-	-	-	-	141
	302+97	-	304+12	RT	TC	RT	-	-	-	116	-	-	-	-	-	116
	168+49	-	168+70	LT	EB	SOUTH SPLITTER ISLAND	-	-	-	-	27	-	-	-	-	27
	168+80	-	172+30	LT	EB	SOUTH SPLITTER ISLAND	-	-	-	-	358	-	-	-	-	358
	168+87	-	173+56	LT	WB	NORTH MEDIAN	-	-	-	-	469	-	-	-	-	469
	168+87	-	173+56	LT	EB	SOUTH MEDIAN	-	-	-	-	469	-	-	-	-	469
	10+38	-	10+75	RT	CW	RT	-	-	-	-	67	-	-	-	-	67
	10+45	-	10+82	LT	CW	LT	-	-	-	-	71	-	-	-	-	71
	10+75	-	11+18	RT	CW	RT	-	-	-	42	-	-	-	-	-	42
	10+82	-	11+18	LT	CW	LT	-	-	-	36	-	-	-	-	-	36
	10+38		10+78	LT	CW	SOUTH SPLITTER ISLAND	96	-	-	-	-	-	-	-	-	96
						CATEGORY 0050 SUBTOTAL	96	0	225	491	3039	0	0	0	48	3899
						PROJECT TOTAL	**96**	**333**	**3475**	**637**	**5271**	**1237**	**415**	**91**	**391**	**11946**

***ADDITIONAL QUANTITIES LISTED ELSEWHERE**

SIDEWALKS AND CURB RAMPS

CAT	STA	TO	STA	OFFSET	ALIGN	LOCATION	305.0120* BASE AGGREGATE DENSE 1 1/4 -INCH TON	371.1000.S* QMP BASE AGGREGATE DENSE 1 1/4-INCH COMPACTION TON	465.0105 ASPHALTIC SURFACE TON	602.0405 CONCRETE SIDEWALK 4-INCH SF	602.0515 CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA SF	602.0615 CURB RAMP DETECTABLE WARNING RADIAL FIELD NATURAL PATINA SF	650.9000 CONSTRUCTION STAKING CURB RAMPS EACH
0010													
	143+78	-	143+88	RT	WB	MEDIAN ISLAND CURB RAMP	16	16	-	426	40	-	2
	143+88	-	144+13	RT	WB	MEDIAN ISLAND	30	30	-	797	-	-	-
	53+05	-	54+73	LT	RSB	MEDIAN ISLAND	86	86	-	2318	-	-	-
	54+72	-	54+82	RT	RSB	MEDIAN ISLAND CURB RAMP	10	10	-	266	40	-	2
	54+82	-	54+98	LT	RNB	MEDIAN ISLAND	18	18	-	489	-	-	-
	54+10	-	54+62	LT	SES	SPLITTER ISLAND	31	31	-	831	-	-	-
	54+62	-	54+72	LT	SES	SPLITTER ISLAND CURB RAMP	8	8	-	227	40	-	2
	54+72	-	55+15	LT	SES	SPLITTER ISLAND	27	27	-	734	-	-	-
	56+85	-	57+28	RT	SNW	SPLITTER ISLAND	27	27	-	732	-	-	-
	57+28	-	57+38	RT	SNW	SPLITTER ISLAND CURB RAMP	8	8	-	227	40	-	2
	57+38	-	57+90	RT	SNW	SPLITTER ISLAND	31	31	-	831	-	-	-
	57+00	-	57+20	LT	RNE	MEDIAN ISLAND	19	19	-	518	-	-	-
	57+20	-	57+30	LT	RNE	MEDIAN ISLAND CURB RAMP	10	10	-	262	40	-	2
	57+30	-	59+41	LT	RNE	MEDIAN ISLAND	100	100	-	2735	-	-	-
	143+56	-	143+75	LT	EB	MEDIAN	15	15	-	399	-	-	-
	145+90	-	146+19	LT	EB	MEDIAN	33	33	-	901	-	-	-
	146+19	-	146+29	LT	EB	MEDIAN CURB RAMP	17	17	-	469	40	-	2
	146+28	-	146+41	LT	EB	MEDIAN	17	17	-	471	-	-	-
	163+75	-	167+36	LT	EB	SPLITTER ISLAND	56	56	-	1509	-	-	-
	7+65	-	9+61	RT	LWS	CURB RAMP	43	43	-	1152	20	-	1
	168+49	-	168+70	RT	WB	SPLITTER ISLAND MEDIAN	1	1	-	22	-	-	-
	168+70	-	168+80	RT	WB	SPLITTER ISLAND CURB RAMP	4	4	-	120	40	-	2
	168+80	-	172+31	RT	WB	SPLITTER ISLAND MEDIAN	160	160	-	4201	-	-	-
	8+85	-	9+47	LT	LES	CURB RAMP	12	12	-	337	20	-	1
						CATEGORY 0010 SUBTOTAL	780	780	0	20974	320	0	16
0050													
	162+28	-	167+29	LT	EB	MEDIAN	100	100	-	2711	-	-	-
	302+54	-	304+12	RT	TC	CURB RAMP	36	36	-	1003	-	54	2
	302+62	-	302+65	RT	TCS	MEDIAN	0.4	0	-	11	-	-	-
	302+65	-	302+75	RT	TCS	MEDIAN	2	2	-	53	-	-	-
	302+65	-	304+37	LT	TCS	CURB RAMP	8	8	-	207	-	25	1
	302+75	-	304+37	LT	TCS	SIDEWALK	99	99	25	-	-	-	-
	302+75	-	304+07	RT	TCS	MEDIAN	34	34	-	911	-	-	-
	168+87	-	173+70	RT	WB	MEDIAN	99	99	-	2640	-	-	-
	10+40	-	10+75	LT	CW	MEDIAN ISLAND	12	12	-	312	-	-	-
						CATEGORY 0050 SUBTOTAL	390	390	25	7848	0	79	3
						PROJECT TOTAL	**1170**	**1170**	**25**	**28822**	**320**	**79**	**19**

***ADDITIONAL QUANTITIES LISTED ELSEWHERE**

RIPRAP

CAT	STA		OFFSET	ALIGN	606.0100 RIPRAP LIGHT CY	606.0200 RIPRAP MEDIUM CY	645.0120 GEOTEXTILE TYPE HR SY	645.0130 GEOTEXTILE TYPE R SY
0010								
	144+00		RT	EB	14	-	-	59
	59+88		RT	RNB	2	-	-	13
	60+25		RT	RNB	2	-	-	13
	62+00		RT	RNB	3	-	-	17
	62+08		RT	RNB	3	-	-	17
	62+27		LT	RNB	2	-	-	13
	146+26		RT	EB	4	-	-	21
	149+70		RT	WB	4	-	-	20
	152+74		RT	EB	-	12	53	-
	156+16		LT	EB	3	-	-	17
	156+45		LT	WB	3	-	-	17
	162+15		RT	WB	4	-	-	20
	172+25		RT	EB	2	-	-	13
	173+84		RT	WB	4	-	-	20
	10+77		LT	CW	2	-	-	13
	UNDISTRIBUTED				6	2	6	28
	CATEGORY 0010 SUBTOTAL				58	14	59	301
	PROJECT TOTAL				**58**	**14**	**59**	**301**

UNDERDRAIN

CAT	STA	TO	STA	OFFSET	ALIGN	310.0110 BASE AGGREGATE OPEN GRADED TON	612.0106 PIPE UNDERDRAIN 6-INCH LF	612.0206 PIPE UNDERDRAIN UNPERFORATED 6-INCH LF	645.0111 GEOTEXTILE FABRIC TYPE DF SCHEDULE A SY
0010									
	139+73	-	144+02	RT	EB	23	407	0	226
	52+61	-	54+98	RT	RSB	11	188	0	104
	54+15	-	55+14	RT	SES	7	109	6	64
	11+03	-	13+18	RT	CR	19	207	0	115
	11+03	-	13+20	LT	CR	19	204	0	113
	56+85	-	58+09	RT	SNW	6	101	0	56
	57+03	-	59+34	LT	RNB	13	232	0	129
	159+02	-	163+75	LT	EB	28	471	24	275
	163+80	-	168+93	LT	EB	29	513	0	285
	163+80	-	167+32	EB	LT	20	352	0	196
	9+18	-	9+62	RT	LWS	5	80	17	54
	302+48	-	303+17	LT	TCS	5	97	0	54
	302+49	-	303+17	RT	TC	5	96	0	53
	169+98	-	170+65	WB	RT	9	167	0	93
	169+98	-	170+65	WB	RT	9	167	0	93
	170+70	-	172+22	WB	RT	10	152	17	94
	170+70	-	176+00	WB	RT	31	529	17	303
	170+70	-	175+97	EB	LT	31	525	22	304
	176+00	-	180+74	WB	RT	28	474	17	273
	176+03	-	180+66	EB	LT	27	462	22	269
	180+75	-	185+45	WB	RT	28	469	22	273
	180+79	-	185+45	EB	LT	28	466	23	272
	185+50	-	189+50	WB	RT	24	400	16	231
	185+50	-	189+50	EB	LT	24	399	20	233
	185+55	-	194+68	EB	LT	29	514	0	286
	185+55	-	194+72	WB	RT	29	518	0	288
	CATEGORY 0010 SUBTOTAL					497	8299	223	4736
	PROJECT TOTAL					**497**	**8299**	**223**	**4736**

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GUARDRAIL

CAT	STA	TO	STA	OFFSET	ALIGN	614.2300 MGS GUARDRAIL 3 LF	614.2500 MGS THRIE BEAM TRANSITION LF	614.2610 MGS GUARDRAIL TERMINAL EAT EACH	614.2620 MGS GUARDRAIL TERMINAL TYPE 2 EACH
0010									
	151+57	-	154+35	LT	EB	185	39	1	-
	152+08	-	154+32	RT	EB	132	39	1	-
	155+58	-	156+11	RT	EB	7	39	-	1
	155+62	-	157+30	LT	EB	75	39	1	-
	155+79	-	158+08	LT	WB	135	39	1	-
	155+74	-	158+39	RT	WB	172	39	1	-
			CATEGORY 0010 SUBTOTAL			709	236	5	1
			PROJECT TOTAL			**709**	**236**	**5**	**1**

SAFETY FENCE

CAT	LOCATION	616.0700.S SAFETY FENCE LF
0010		
	CLOSED SIDEWALK NEAR LIUNA WAY	40
	CLOSED SIDEWALK NEAR TIERNEY CROSSING	40
	CATEGORY 0010 SUBTOTAL	80
	PROJECT TOTAL	**80**

DUST CONTROL

CAT	LOCATION	623.0200 DUST CONTROL SURFACE TREATMENT SY
0010		
	PROJECT LIMITS	71010
	UNDISTRIBUTED	7110
	CATEGORY 0010 SUBTOTAL	78120
	PROJECT TOTAL	**78120**

CONCRETE MEDIAN NOSE

CAT	STA	OFFSET	ALIGN	LOCATION	620.0200 CONCRETE MEDIAN BLUNT NOSE SF	620.0300 CONCRETE MEDIAN SLOPED NOSE SF	COMMENTS
0010							
	139+34	LT	EB	MEDIAN	-	60	TYPE 1
	144+14	RT	WB	MEDIAN	-	7	TYPE 2
	143+98	LT	EB	MEDIAN	-	4	TYPE 2
	53+00	LT	RNB	MEDIAN	-	60	TYPE 1
	54+97	LT	RNB	MEDIAN	-	4	TYPE 2
	55+00	RT	RSB	MEDIAN	-	7	TYPE 2
	54+08	LT	SES	SPLITTER ISLAND	-	26	TYPE 1
	55+16	LT	SES	SPLITTER ISLAND	-	4	TYPE 2
	57+00	LT	RNB	MEDIAN	-	7	TYPE 2
	57+02	RT	RSB	MEDIAN	-	4	TYPE 2
	59+41	RT	RSB	MEDIAN	-	60	TYPE 1
	145+10	LT	FB	MEDIAN	-	7	TYPE 2
	146+08	RT	WB	MEDIAN	-	4	TYPE 2
	163+73	LT	EB	SPLITTER ISLAND	-	26	TYPE 1
	167+54	LT	EB	SPLITTER ISLAND	26	-	-
	168+44	RT	WB	SPLITTER ISLAND	63	-	-
	172+34	RT	WB	SPLITTER ISLAND	-	63	TYPE 1
	195+50	RT	WB	MEDIAN	-	13	TYPE 1
				CATEGORY 0010 SUBTOTAL	89	355	
0050							
	56+84	RT	SNW	SPLITTER ISLAND	-	4	TYPE 2
	57+90	LT	RSB	SPLITTER ISLAND	-	60	TYPE 1
	167+30	RT	WB	MEDIAN	-	23	TYPE 1
	168+85	LT	EB	MEDIAN	-	26	TYPE 1
	302+60	LT	TC	MEDIAN	-	22	TYPE 1
				CATEGORY 0050 SUBTOTAL	0	136	
				PROJECT TOTAL	**89**	**491**	

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EROSION CONTROL MOBILIZATION

CAT	STAGE	LOCATION	628.1905 MOBILIZATION EROSION CONTROL EACH	628.1910 EMERGENCY MOBILIZATION EROSION CONTROL EACH
0010				
	SUBSTAGE 1A	STH 19	2	2
	SUBSTAGE 1B	STH 19	1	1
	SUBSTAGE 1C	STH 19	2	2
	SUBSTAGE 1D	STH 19	2	2
	SUBSTAGE 1E	STH 19	1	1
	SUBSTAGE 2A	STH 19	2	2
	SUBSTAGE 2B	STH 19	2	2
	SUBSTAGE 2C	STH 19	1	1
		PROJECT TOTAL	**13**	**13**

SEDIMENT BASINS

CAT	STA	OFFSET	ALIGN	LOCATION	628.1920 CLEANING SEDIMENT BASINS CY	SPV.0060.04 TEMPORARY SEDIMENT BASIN EACH
0010						
	143+88	LT	WB		10	1
	11+63	LT	CR		10	1
	159+07	LT	WB		10	1
	9+12	RT	LWS		10	1
	9+15	LT	LWS		10	1
	302+88	RT	TC		10	1
	10+59	RT	CW		10	1
	UNDISTRIBUTED				6	1
	CATEGORY 0010 SUBTOTAL				76	8
				PROJECT TOTAL	**76**	**8**

SOIL STABILZER

CAT	LOCATION	628.6510 SOIL STABILZER TYPE B ACRE
0010		
	AFTER STAGE 1B	6
	UNDISTRIBUTED	1
	SUBTOTAL CATEGORY 0010	7
	PROJECT TOTAL	**7**

TRACKING PAD

CAT	LOCATION	628.7560 TRACKING PADS EACH
0010		
	SUBSTAGE 1A	2
	SUBSTAGE 1B	2
	SUBSTAGE 1C	2
	SUBSTAGE 1D	2
	SUBSTAGE 2A	2
	SUBSTAGE 2B	2
	CATEGORY 0010 SUBTOTAL	12
	PROJECT TOTAL	**12**

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EROSION CONTROL

CAT	STA	TO	STA	OFFSET	ALIGN	628.6005 TURBIDITY BARRIERS SY	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENACE LF	628.7005 INLET PROTECTION TYPE A EACH	628.7015 INLET PROTECTION TYPE C EACH	628.7020 INLET PROTECTION TYPE D EACH	628.7504 TEMPORARY DITCH CHECKS LF	628.7515.S STONE OR ROCK DITCH CHECK CY	628.7555 CULVERT PIPE CHECKS EACH	628.7570 ROCK BAGS EACH	*645.0140 GEOTEXTILE FABRIC TYPE SAS SY
0010																
	131+93	-	49+80	RT/LT	EB/RSB	-	350	350	3	3	3	330	-	5	-	-
	131+93	-	63+20	LT/LT	WB/RSB	-	570	570	4	4	4	310	-	17	22	-
	10+00	-	14+22	LT/RT	CR	-	-	-	3	3	3	-	-	-	-	-
	49+80	-	154+34	RT/RT	RNB/EB	-	920	920	3	3	3	100	-	-	-	-
	63+20	-	154+47	RT/LT	RNB/WB	-	350	350	1	1	1	150	40	4	22	240
	146+30	-	154+34	LT	EB	-	-	-	-	-	-	63	-	-	-	-
	154+51	-	155+08	LT/RT	EB	500	-	-	-	-	-	-	-	-	-	-
	155+58	-	7+60	RT/LT	EB/LWS	-	-	-	4	4	4	150	10	4	-	50
	155+62	-	194+00	LT	EB	-	-	-	-	-	-	190	-	2	-	-
	155+78	-	304+37	LT/LT	WB/TCS	-	210	210	2	2	2	100	-	7	-	-
	7+60	-	8+80	RT/LT	LWS/LES	-	670	670	3	3	3	180	-	-	-	-
	304+30	-	11+32	LT/LT	TC/CW	-	100	100	9	9	9	93	-	8	-	-
	11+32	-	194+42	RT/LT	CW/WB	-	-	-	2	2	2	220	-	2	-	-
	8+80	-	195+00	RT/RT	LES/EB	-	84	84	1	1	1	110	-	-	-	-
	195+00	-	196+00	LT	EB	-	-	-	-	-	2	-	-	-	-	-
	UNDISTRIBUTED					-	666	666	-	-	-	405	20	11	6	60
			CATEGORY 0010 SUBTOTAL			500	3920	3920	35	35	37	2400	70	60	50	350
			PROJECT TOTAL			**500**	**3920**	**3920**	**35**	**35**	**37**	**2400**	**70**	**60**	**50**	**350**

***ADDITIONAL QUANTITIES LISTED ELSEWHERE**

FINISHING ITEMS

CAT	STA	TO	STA	OFFSET	ALIGN	625.0500 SALVAGED TOPSOIL SY	627.0200 MULCHING SY	628.2004 EROSION MAT CLASS I TYPE B SY	628.2023 EROSION MAT CLASS II TYPE B SY	629.0210 FERTILIZER TYPE B CWT	630.0120 SEEDING MIXTURE NO. 20 LB	630.0140 SEEDING MIXTURE NO. 40 LB	630.0171 SEEDING MIXTURE NO. 70A LB	630.0200 SEEDING TEMPORARY LB	630.0300 SEEDING BARROW PIT LB	631.0300 SOD WATER MGAL	631.1000 SOD LAWN SY	631.1100 SOD EROSION CONTROL SY
0010																		
	131+92	-	63+20	LT/LT	WB/RSB	11590	8430	3130	--	8.3	330	15	--	160	--	2	10	8
	131+92	-	49+80	RT/LT	EB/RSB	13610	10460	3080	--	9.4	400	270	--	180	--	2	10	5
	139+42	-	143+65	RT	WB	990	270	720	--	0.6	27	--	--	10	--	--	--	--
	10+00	-	14+22	LT/RT	CR	1090	820	280	--	0.7	30	--	--	10	--	--	--	--
	63+20	-	154+52	RT/LT	RNB/WB	9290	7580	1640	--	6.3	37	160	--	130	--	5	20	16
	49+80	-	154+52	RT/RT	RNB/EB	9570	8260	1240	--	6.5	280	--	--	130	--	3	20	--
	146+48	-	154+50	RT	WB	2270	620	1640	--	1.9	83	--	--	30	--	--	--	--
	155+30	-	167+37	LT	WB	6280	4960	1300	--	4.5	120	51	--	80	--	1	--	10
	154+98	-	7+66	RT/LT	EB/LWS	5640	4390	1220	--	4.1	180	--	--	80	--	4	--	29
	155+70	-	162+30	RT	WB	1130	--	1190	--	1.4	60	--	--	20	--	--	--	--
	168+80	-	179+80	LT	WB	7600	6590	1010	--	5.4	230	--	--	100	--	--	--	--
	7+65	-	8+80	RT/LT	LWS/LES	15180	13400	1740	--	10.5	450	--	--	200	--	4	10	16
	173+71	-	194+72	RT	WB	4890	920	3950	--	4.8	210	--	--	70	--	--	--	--
	181+27	-	195+50	LT	WB	10920	9760	1160	--	7.6	330	--	--	150	--	--	--	--
	8+85	-	195+50	RT/RT	LES/EB	5220	4640	570	--	3.4	150	--	--	70	--	2	10	8
	154+80	-	168+00	LT/RT	YA	8000	8000	--	--	5.0	33	--	24	110	--	--	--	--
	243+75	-	292+75	RT	TEB2	--	--	--	250	--	--	--	--	--	--	--	--	--
	BORROW PIT SITE					--	32960	--	--	20.8	--	--	--	--	890	--	--	--
	UNDISTRIBUTED					22660	17820	4780	50	20	600	104	10	310	--	10	20	20
	CATEGORY 0010 SUBTOTAL					135930	139880	28650	300	121	3550	600	34	1840	890	33	100	112
0050																		
	167+37	-	304+40	LT/LT	WB/TCS	820	650	160	--	0.5	22	--	--	10	--	--	--	--
	304+20	-	168+80	RT/LT	TCS/WB	600	440	140	--	0.4	16	--	--	--	--	2	--	15
	179+80	-	11+20	LT/LT	WB/CW	350	240	100	--	0.2	9	--	--	10	--	--	--	--
	11+20	-	181+27	RT/LT	CW/WB	340	230	110	--	0.2	9	--	--	9	--	--	--	--
	BORROW PIT SITE					--	740	--	--	0.5	--	--	--	--	20	--	--	--
	UNDISTRIBUTED					430	320	110	--	10	23	--	--	10	--	10	--	10
	CATEGORY 0050 SUBTOTAL					2540	2620	620	0	12	80	0	0	39	20	12	0	25
	PROJECT TOTAL					**138470**	**142500**	**29270**	**300**	**133**	**3630**	**600**	**34**	**1880**	**910**	**45**	**100**	**137**

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PERMANENT SIGNING TYPE II

CAT	SIGN NO.	STA	OFFSET	ALIGN	SIGN WORDING & PICTORIALS	SIGN CODE	SIZE (INCH)	X (INCH)	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	634.0612 POSTS WOOD 4X6-INCH X 12 FT EACH	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	REMARKS
0010																
	01-01	130+00	RT	EB	DIVIDED HIGHWAY AHEAD	W6-1	36	36	9.00	--	--	--	--	1	--	
	01-02	133+00	RT	EB	CIRCULAR INTERSECTION	W2-6	36	36	--	--	9.00	--	--	1	--	SHARE POST WITH SIGN NO. 01-03
	01-03	133+00	RT	EB	SPEED LIMIT 15 M.P.H.	W13-1	24	24	--	--	4.00	--	--	--	--	MOUNT BELOW SIGN NO. 01-02
	01-04	134+98	LT	WB	TWO-WAY TRAFFIC	W6-3	36	36	--	--	9.00	--	--	1	--	
	01-05	136+50	RT	EB	YIELD AHEAD	W3-2	36	36	--	--	9.00	--	--	1	--	
	01-06	137+50	LT	WB	SPEED LIMIT 55 M.P.H.	R2-1	36	48	12.00	--	--	--	--	1	--	
	02-01	139+48	LT	WB	DO NOT ENTER	R5-1	36	36	9.00	--	--	--	--	--	--	SHARE POST WITH SIGN NO. 02-02
	02-02	139+48	LT	WB	WEST 19	J4-1	24	36	6.00	--	--	--	--	1	--	SHARE POST WITH SIGN NO. 02-01
	02-03	139+50	LT	EB	KEEP RIGHT	R4-7	24	30	5.00	--	--	1	--	--	--	SHARE POST WITH SIGN NO. 02-04
	02-04	139+50	LT	EB	OBJECT MARKER	W5-54S	18	18	--	--	2.25	--	--	--	--	MOUNT BELOW SIGN NO. 02-03
	02-05	140+86	LT	EB	LEFT, AHEAD / RIGHT, AHEAD (ROUNDABOUT)	R3-8CC	36	30	7.50	--	--	--	--	--	--	MOUNT ON SIGN STRUCTURE (S-13-500)
	02-08	140+86	RT	EB	LEFT, AHEAD / RIGHT, AHEAD (ROUNDABOUT)	R3-8CC	36	30	7.50	--	--	--	--	--	--	MOUNT ON SIGN STRUCTURE (S-13-500)
	02-09	141+51	LT	WB	WRONG WAY	R5-1A	42	30	8.75	--	--	--	--	1	--	SHARE POST WITH SIGN NO. 02-10
	02-10	141+51	LT	WB	DIVIDED HIGHWAY ENDS	W6-2	36	36	--	--	9.00	--	--	--	1	SHARE POST WITH SIGN NO. 02-09
	02-11	143+50	LT	WB	LANE REDUCTION TRANSITION - RIGHT	W4-2R	36	36	9.00	--	--	--	--	1	--	
	02-12	143+50	RT	WB	LANE REDUCTION TRANSITION - RIGHT	W4-2R	36	36	9.00	--	--	--	1	--	--	
	03-05	144+05	RT	WB	WEST 19 ROUNDABOUT EXIT	D1-1	42	30	8.75	--	--	--	1	--	--	
	03-06	143+92	LT	EB	YIELD	R1-2	36	31	3.88	--	--	--	--	--	1	18" X 18" FLAGS INCIDENTAL TO SIGNS
	03-07	143+92	LT	EB	ONE WAY	R6-2R	24	30	5.00	--	--	--	--	--	--	MOUNT BELOW SIGN NO. 03-06
	03-08	54+85	LT	RNB	RIVER ROAD ROUNDABOUT EXIT	D1-2	48	24	8.00	--	--	1	--	--	--	
	03-09	144+28	RT	EB	YIELD	R1-2	36	31	3.88	--	--	--	--	1	--	18" X 18" FLAGS INCIDENTAL TO SIGNS
	03-10	144+28	RT	EB	TO TRAFFIC FROM LEFT	R1-54	24	15	2.50	--	--	--	--	--	--	MOUNT BELOW SIGN NO. 03-09
	03-11	54+94	RT	RNB	YIELD	R1-2	36	31	3.88	--	--	--	--	--	1	18" X 18" FLAGS INCIDENTAL TO SIGNS
	03-12	54+94	RT	RNB	ONE WAY	R6-2R	24	30	5.00	--	--	--	--	--	--	MOUNT BELOW SIGN NO. 03-11
	03-13	55+03	RT	RNB	YIELD	R1-2	36	31	3.88	--	--	--	--	1	--	18" X 18" FLAGS INCIDENTAL TO SIGNS
	03-14	55+03	RT	RNB	TO TRAFFIC FROM LEFT	R1-54	24	15	2.50	--	--	--	--	--	--	MOUNT BELOW SIGN NO. 03-13
	03-15	146+00	LT	EB	EAST 19 ROUNDABOUT EXIT	D1-1	42	30	8.75	--	--	--	1	--	--	
	03-16	55+03	RT	RNB	YIELD	R1-2	36	31	3.88	--	--	--	--	1	--	18" X 18" FLAGS INCIDENTAL TO SIGNS
	03-17	55+03	RT	RNB	TO TRAFFIC FROM LEFT	R1-54	24	15	2.50	--	--	--	--	--	--	MOUNT BELOW SIGN NO. 03-16
	03-18	57+14	LT	RNB	YIELD	R1-2	36	31	3.88	--	--	--	--	--	1	18" X 18" FLAGS INCIDENTAL TO SIGNS
	03-19	57+14	LT	RNB	ONE WAY	R6-2R	24	30	5.00	--	--	--	--	--	--	MOUNT BELOW SIGN NO. 03-18
	03-20	57+11	LT	RNB	RIVER ROAD ROUNDABOUT EXIT	D1-2	48	24	8.00	--	--	1	--	--	--	
	03-21	145+94	LT	WB	YIELD	R1-2	36	31	3.88	--	--	--	--	--	1	18" X 18" FLAGS INCIDENTAL TO SIGNS
	03-22	145+94	LT	WB	TO TRAFFIC FROM LEFT	R1-54	24	15	2.50	--	--	--	--	--	--	MOUNT BELOW SIGN NO. 03-23
	03-23	146+20	RT	WB	YIELD	R1-2	36	31	3.88	--	--	--	--	1	--	18" X 18" FLAGS INCIDENTAL TO SIGNS
	03-24	146+20	RT	WB	ONE WAY	R6-2R	24	30	5.00	--	--	--	--	--	--	MOUNT BELOW SIGN NO. 03-23
	03-25	10+36	LT	CR	ONE WAY RIGHT ARROW	R6-1R	36	12	3.00	--	--	2	--	--	--	
	03-26	10+36	LT	CR	CHEVRON FOR ROUNDABOUT	R6-4B	60	24	10.00	--	--	--	--	--	--	MOUNT BELOW SIGN NO. 03-25
	03-27	11+36	LT	CR	ONE WAY RIGHT ARROW	R6-1R	36	12	3.00	--	--	2	--	--	--	
	03-28	11+36	LT	CR	CHEVRON FOR ROUNDABOUT	R6-4B	60	24	10.00	--	--	--	--	--	--	MOUNT BELOW SIGN NO. 03-27
	03-29	12+53	LT	CR	ONE WAY RIGHT ARROW	R6-1R	36	12	3.00	--	--	2	--	--	--	
	03-30	12+53	LT	CR	CHEVRON FOR ROUNDABOUT	R6-4B	60	24	10.00	--	--	--	--	--	--	MOUNT BELOW SIGN NO. 03-29
	03-31	13+58	LT	CR	ONE WAY RIGHT ARROW	R6-1R	36	12	3.00	--	--	2	--	--	--	
	03-32	13+58	LT	CR	CHEVRON FOR ROUNDABOUT	R6-4B	60	24	10.00	--	--	--	--	--	--	MOUNT BELOW SIGN NO. 03-31
	04-01	147+49	RT	EB	WEST 19	J4-1	36	54	13.50	--	--	--	--	1	--	
	04-02	149+05	LT	WB	LEFT, AHEAD / RIGHT, AHEAD (ROUNDABOUT)	R3-8CC	36	30	7.50	--	--	--	--	--	--	MOUNT ON SIGN STRUCTURE (S-13-498)
	04-05	149+05	RT	WB	LEFT, AHEAD / RIGHT, AHEAD (ROUNDABOUT)	R3-8CC	36	30	7.50	--	--	--	--	--	--	MOUNT ON SIGN STRUCTURE (S-13-498)
	04-06	150+03	LT	EB	SPEED REDUCTION AHEAD 45 M.P.H.	W3-5	36	36	--	--	9.00	--	--	--	--	
	04-07	150+03	RT	EB	SPEED REDUCTION AHEAD 45 M.P.H.	W3-5	36	36	--	--	9.00	--	--	--	--	

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PERMANENT SIGNING TYPE II (CONTINUED)

CAT	SIGN NO.	STA	OFFSET	ALIGN	SIGN WORDING & PICTORIALS	SIGN CODE	SIZE (INCH)	SIZE X (INCH)	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	634.0612 POSTS WOOD 4X6-INCH X 12 FT EACH	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	REMARKS
	05-01	153+98	LT	WB	YIELD AHEAD	W3-2	36	36	--	--	9.00	--	--	1	--	
	05-02	153+98	LT	EB	YIELD AHEAD	W3-2	36	36	--	--	9.00	--	--	1	--	
	05-03	154+02	LT	EB	SPEED LIMIT 45 M.P.H.	R2-1	36	48	12.00	--	--	--	--	1	--	
	05-04	154+02	RT	EB	SPEED LIMIT 45 M.P.H.	R2-1	36	48	12.00	--	--	--	--	1	--	
	05-05	156+50	RT	EB	DEFOREST POPULAYION 8,936	I2-3	54	24	9.00	--	--	--	--	2	--	
	05-06	157+00	LT	WB	CIRCULAR INTERSECTION	W2-6	36	36	--	--	9.00	--	--	1	--	SHARE POST WITH SIGN NO. 05-07
	05-07	157+00	LT	WB	SPEED LIMIT 15 M.P.H.	W13-1	24	24	--	--	4.00	--	--	--	--	MOUNT BELOW SIGN NO. 05-06
	05-08	157+00	RT	WB	CIRCULAR INTERSECTION	W2-6	36	36	--	--	9.00	--	--	1	--	SHARE POST WITH SIGN NO. 05-09
	05-09	157+00	RT	WB	SPEED LIMIT 15 M.P.H.	W13-1	24	24	--	--	4.00	--	--	--	--	MOUNT BELOW SIGN NO. 05-08
	05-10	158+52	LT	EB	TRAFFIC SIGNALS AHEAD	W3-3	36	36	--	--	9.00	--	--	1	--	18" X 18" FLAGS INCIDENTAL TO SIGNS
	05-11	158+52	RT	EB	TRAFFIC SIGNALS AHEAD	W3-3	36	36	--	--	9.00	--	--	1	--	18" X 18" FLAGS INCIDENTAL TO SIGNS
	06-02	165+00	LT	EB	WRONG WAY	R5-1A	42	30	8.75	--	--	--	1	--	--	
	06-03	165+00	LT	EB	WRONG WAY	R5-1A	42	30	8.75	--	--	--	1	--	--	
	06-04	166+00	RT	WB	SPEED LIMIT 55 M.P.H.	R2-1	36	48	12.00	--	--	--	--	1	--	
	06-05	166+00	LT	WB	SPEED LIMIT 55 M.P.H.	R2-1	36	48	12.00	--	--	--	--	1	--	
	06-09	167+34	LT	EB	STOP FOLDABLE	R1-1F	36	36	0.00	7.46	--	--	--	--	--	ON SIGNAL POLE
	06-10	167+34	LT	EB	DO NOT ENTER	R5-1	36	36	9.00	--	--	--	--	--	--	ON SIGNAL POLE
	07-07	170+50	RT	EB	SPEED LIMIT 45 M.P.H.	R2-1	36	48	12.00	--	--	--	--	1	--	
	07-08	171+00	RT	WB	WRONG WAY	R5-1A	42	30	8.75	--	--	--	1	--	--	
	07-09	171+00	LT	WB	WRONG WAY	R5-1A	42	30	8.75	--	--	--	1	--	--	
	07-11	175+00	LT	WB	TRAFFIC SIGNALS AHEAD	W3-3	36	36	--	--	9.00	--	--	1	--	18" X 18" FLAGS INCIDENTAL TO SIGNS
	07-12	175+00	RT	WB	TRAFFIC SIGNALS AHEAD	W3-3	36	36	--	--	9.00	--	--	1	--	18" X 18" FLAGS INCIDENTAL TO SIGNS
	09-01	184+00	LT	EB	JCT 39/90/94	J1-3	72	39	--	--	--	--	--	2	--	
	09-02	184+04	RT	EB	WRONG WAY	R5-1A	42	30	8.75	--	--	--	--	--	--	SHARE POST WITH SIGN NO. M-09
	09-05	187+00	RT	EB	DO NOT ENTER	R5-1	36	36	9.00	--	--	--	--	1	--	
	09-07	188+00	LT	EB	ONE WAY	R6-2R	24	30	5.00	--	--	--	--	1	--	
	09-08	9+39	RT	LES	ONE WAY RIGHT ARROW	R6-1R	36	12	3.00	--	--	--	--	--	1	MOUNT ABOVE SIGN NO. 09-09
	09-09	9+39	RT	LES	STOP	R1-1	36	36	7.46	--	--	--	--	--	--	MOUNT BELOW SIGN NO. 09-08
	09-10	9+39	RT	LES	DIVIDED HIGHWAY CROSSING	R6-3A	30	24	5.00	--	--	--	--	--	--	MOUNT BELOW SIGN NO. 09-09
	12-01	46+00	RT	RNB	CIRCULAR INTERSECTION	W2-6	30	30	--	--	6.25	--	--	1	--	SHARE POST WITH SIGN NO. 12-02
	12-02	46+00	RT	RNB	SPEED LIMIT 15 M.P.H.	W13-1	18	18	--	--	2.25	--	--	--	--	MOUNT BELOW SIGN NO. 12-01
	12-03	48+00	RT	RNB	YIELD AHEAD	W3-2	36	36	--	--	9.00	--	--	1	--	
	12-04	51+05	RT	RNB	LEFT, AHEAD / RIGHT ONLY (ROUNDABOUT)	R3-8DD	36	30	7.50	--	--	--	--	1	--	
	12-05	53+00	LT	RSB	DO NOT ENTER	R5-1	30	30	6.25	--	--	--	--	1	--	
	12-06	53+11	LT	RNB	KEEP RIGHT	R4-7	24	30	5.00	--	--	1	--	--	--	SHARE POST WITH SIGN NO. 12-07
	12-07	53+11	LT	RNB	OBJECT MARKER	W5-54S	18	18	--	--	2.25	--	--	--	--	MOUNT BELOW SIGN NO. 12-06
	12-08	54+00	LT	RSB	WRONG WAY	R5-1A	36	24	6.00	--	--	--	--	--	--	SHARE POST WITH SIGN NO. M-21/22
	12-09	54+12	RT	RNB	DOUBLE DOWN ARROWS	W12-1D	24	24	--	--	4.00	1	--	--	--	
	13-02	58+05	RT	RNB	WRONG WAY	R5-1A	36	24	6.00	--	--	--	--	--	--	SHARE POST WITH SIGN NO. M-23/24
	13-03	59+35	LT	RNB	KEEP RIGHT	R4-7	24	30	5.00	--	--	1	--	--	--	
	13-04	59+35	LT	RNB	OBJECT MARKER	W5-54S	18	18	--	--	2.25	--	--	--	--	SHARE POST WITH AND MOUNT BELOW 13-03
	13-05	59+48	RT	RNB	DO NOT ENTER	R5-1	30	30	6.25	--	--	--	--	--	--	SHARE POST WITH SIGN NO. M-25
	13-06	60+48	LT	RNB	LEFT, AHEAD / RIGHT ONLY (ROUNDABOUT)	R3-8DD	36	30	7.50	--	--	--	--	1	--	
	13-07	61+98	LT	RNB	YIELD AHEAD	W3-2	36	36	--	--	9.00	--	--	1	--	
	13-08	65+50	LT	RNB	CIRCULAR INTERSECTION	W2-6	30	30	--	--	6.25	--	--	1	--	SHARE POST WITH SIGN NO. 13-09
	13-09	65+50	LT	RNB	SPEED LIMIT 15 M.P.H.	W13-1	18	18	--	--	2.25	--	--	--	--	MOUNT BELOW SIGN NO. 13-08
	14-01	7+26	LWS	RT	TRAFFIC SIGNALS AHEAD	W3-3	36	36	--	--	9.00	--	--	1	--	18" X 18" FLAGS INCIDENTAL TO SIGNS
	14-02	9+36	LWS	RT	DIVIDED HIGHWAY CROSSING	R6-3A	30	24	5.00	--	--	--	--	--	--	ON SIGNAL POLE
	14-03	9+36	LWS	RT	STOP FOLDABLE	R1-1F	36	36	--	7.46	--	--	--	--	--	ON SIGNAL POLE
						CATEGORY 0010 SUBTOTAL			464	15	193	14	7	40	6	

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3

PERMANENT SIGNING TYPE II (CONTINUED)

CAT	SIGN NO.	STA	OFFSET	ALIGN	SIGN WORDING & PICTORIALS	SIGN CODE	SIZE (INCH)	X (INCH)	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	634.0612 POSTS WOOD 4X6-INCH X 12 FT EACH	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	REMARKS
0050																
	03-01	57+20	LT	RNB	YIELD	R1-2	36	31	3.88	--	--	--	--	1	--	18" X 18" FLAGS INCIDENTAL TO SIGNS
	03-02	57+20	LT	RNB	TO TRAFFIC FROM LEFT	R1-54	24	15	2.50	--	--	--	--	--	--	MOUNT BELOW SIGN NO. 03-01
	03-03	57+26	LT	RNB	YIELD	R1-2	36	31	3.88	--	--	--	--	1	--	18" X 18" FLAGS INCIDENTAL TO SIGNS
	03-04	57+26	LT	RNB	TO TRAFFIC FROM LEFT	R1-54	24	15	2.50	--	--	--	--	--	--	MOUNT BELOW SIGN NO. 03-03
	05-12	159+52	LT	EB	BEGIN LEFT TURN LANE	R3-20L	36	54	13.50	--	--	--	--	1	--	
	05-13	159+50	RT	EB	TIERNEY XING LEFT / LIUNA WAY RIGHT	D1-2	114	36	28.50	--	--	--	2	--	--	
	06-01	163+80	LT	EB	DOUBLE DOWN ARROWS	W12-1D	24	24	--	--	4.00	1	--	--	--	
	06-06	167+21	LT	EB	STOP FOLDABLE	R1-1F	36	36	0.00	7.46	--	--	--	--	--	ON SIGNAL POLE
	06-07	167+21	RT	WB	KEEP RIGHT	R4-7	36	48	12.00	--	--	--	--	--	--	ON SIGNAL POLE
	06-08	167+34	LT	EB	STOP FOLDABLE	R1-1F	36	36	0.00	7.46	--	--	--	--	--	ON SIGNAL POLE
	06-11	167+34	LT	EB	DO NOT ENTER	R5-1	36	36	9.00	--	--	--	--	--	--	ON SIGNAL POLE
	07-01	168+82	RT	WB	DO NOT ENTER	R5-1	36	36	9.00	--	--	--	--	--	--	ON SIGNAL POLE
	07-02	168+82	RT	WB	DO NOT ENTER	R5-1	36	36	9.00	--	--	--	--	--	--	ON SIGNAL POLE
	07-03	168+82	RT	WB	STOP FOLDABLE	R1-1F	36	36	--	7.46	--	--	--	--	--	ON SIGNAL POLE
	07-04	168+82	RT	WB	STOP FOLDABLE	R1-1F	36	36	--	7.46	--	--	--	--	--	ON SIGNAL POLE
	07-05	168+90	RT	WB	KEEP RIGHT	R4-7	36	48	12.00	--	--	--	--	--	--	ON SIGNAL POLE
	07-06	168+90	RT	WB	STOP FOLDABLE	R1-1F	36	36	--	7.46	--	--	--	--	--	ON SIGNAL POLE
	07-10	172+24	RT	WB	BEGIN LEFT TURN LANE	R3-20L	36	54	13.50	--	--	--	--	--	1	
	08-01	178+00	LT	WB	TIERNEY XIING RIGHT / LIUNA WAY LEFT	D1-2	114	36	28.50	--	--	--	2	--	--	
	08-02	10+60	LT	CW	ONE WAY RIGHT ARROW	R6-1R	36	12	3.00	--	--	--	--	--	1	MOUNT ABOVE SIGN NO. M-06
	08-03	10+60	LT	CW	DIVIDED HIGHWAY CROSSING	R6-3A	30	24	5.00	--	--	--	--	--	--	MOUNT BELOW SIGN NO. M-06
	08-04	180+20	WB	RT	ONE WAY	R6-2R	36	48	12.00	--	--	--	--	1	--	
	08-05	181+50	WB	LT	DO NOT ENTER	R5-1	36	36	9.00	--	--	--	--	1	--	
	08-06	183+30	WB	LT	WRONG WAY	R5-1A	42	30	8.75	--	--	--	1	--	--	
	09-06	188+00	WB	LT	CASHEL WAY RIGHT	D1-1	102	21	14.88	--	--	--	2	--	--	
	13-01	57+87	RNB	LT	DOUBLE DOWN ARROWS	W12-1D	24	24	--	--	4.00	1	--	--	--	
	14-04	9+59	LWS	RT	ONE WAY	R6-2L	36	48	12.00	--	--	--	--	1	--	
	14-05	302+61	TCS	LT	ONE WAY	R6-2L	36	48	12.00	--	--	--	--	1	--	
	14-06	302+79	TCS	LT	DO NOT ENTER	R5-1	36	36	9.00	--	--	--	--	--	--	ON SIGNAL POLE
	14-07	302+79	TCS	LT	DIVIDED HIGHWAY CROSSING	R6-3	30	24	5.00	--	--	--	--	--	--	ON SIGNAL POLE
	14-08	302+79	TCS	LT	STOP FOLDABLE	R1-1F	36	36	0.00	7.46	--	--	--	--	--	ON SIGNAL POLE
	14-09	302+79	TCS	RT	STOP FOLDABLE	R1-1F	36	36	0.00	7.46	--	--	--	--	--	ON SIGNAL POLE
	14-10	302+79	TCS	RT	KEEP RIGHT	R4-7	24	30	5.00	--	--	--	--	--	--	ON SIGNAL POLE
	14-11	304+77	TCS	LT	WRONG WAY	R5-1A	42	30	8.75	--	--	--	--	1	--	SHARE POST WITH SIGN NO. 14-12
	14-12	304+77	TCS	LT	TRAFFIC SIGNALS AHEAD	W3-3	36	36	--	--	9.00	--	--	--	--	18" X 18" FLAGS INCIDENTAL TO SIGNS
	14-13	304+77	TCS	RT	TRAFFIC SIGNALS AHEAD	W3-3	36	36	--	--	9.00	--	--	--	--	18" X 18" FLAGS INCIDENTAL TO SIGNS
						CATEGORY 0050 SUBTOTAL			252	52	26	2	7	9	2	
						PROJECT TOTAL			**716**	**67**	**219**	**16**	**14**	**49**	**8**	

***ADDITIONAL QUANTITIES LISTED ELSEWHERE**

3

PERMANENT SIGNING TYPE I

CAT	SIGN NO.	STA	OFFSET	ALIGN	SIGN WORDING & PICTORIALS	SIGN CODE	SIZE (INCH)	SIZE X (INCH)	634.0618* POSTS WOOD 4X6-INCH X 18 FT EACH	634.0622 POSTS WOOD 4X6-INCH X 22 FT EACH	637.1220 SIGNS TYPE I REFLECTIVE SH SF	641.8100.01 OVERHEAD SIGN SUPPORT (S-13-500) LS	641.8100.02 OVERHEAD SIGN SUPPORT (S-13-498) LS
0010													
	02-06	140+86	RT	EB	EAST 19, SUN PRAIRIE AHEAD/ RIVER ROAD LEFT	E6-52	144	102	-	-	102.00	-	-
	02-07	140+86	RT	EB	EAST 19, SUN PRAIRIE AHEAD/ RIVER ROAD RIGHT	E6-53	144	102	-	-	102.00	-	-
	04-03	148+05	LT	WB	WEST 19, WAUNAKEE AHEAD/ RIVER ROAD RIGHT	E6-52	132	102	-	-	93.50	-	-
	04-04	148+05	LT	WB	WEST 19, WAUNAKEE AHEAD/ RIVER ROAD LEFT	E6-53	132	102	-	-	93.50	-	-
	09-03	186+00	LT	EB	NORTH I-39, WEST I-90, WEST I-94 KEEP LEFT	D1-70	84	48	3	-	28.00	-	-
	09-04	186+00	RT	EB	SOUTH I39, EAST I90, EAST I94 SECOND RIGHT	D1-70	84	48	3	-	28.00	-	-
	09-12	189+00	LT	EB	EAST 19 SUN PRAIRIE AHEAD	D1-70	84	54	-	-	31.50	-	-
	10-01	195+07	RT	EB	AHEAD NORTH I-39, WEST I-90, WEST I-94 WISCONSIN DELLS/ SOUTH I39, EAST I90, EAST I94, MADISON RIGHT	D1-71	102	96	-	3	68.00	-	-
	10-02	197+50	LT	EB	SOUTH I39, EAST I90, EAST I94, MADISON LEFT	D1-70	102	48	-	-	34.00	-	-
					CATEGORY 0010 SUBTOTAL				6	3	581	0	0
0040													
		140+86	RT	EB		-	-		-	-	-	1	-
		148+05	LT	WB		-	-		-	-	-	-	1
					CATEGORY 0040 SUBTOTAL				0	0	0	1	1
					PROJECT TOTAL				**6**	**3**	**581**	**1**	**1**

***ADDITIONAL QUANTITIES LISTED ELSEWHERE**

SIGN REMOVALS

CAT	SIGN NO.	STA	OFFSET	ALIGN	SIGN WORDING & PICTORIALS	638.2102 MOVING SIGN TYPE II EACH	638.2602 REMOVING SIGN TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	638.4000 MOVING SMALL SIGN SUPPORTS EACH	COMMENTS
0010										
		133+81	32' LT	WB	CENTERLINE RUMBLE STRIP/ NEXT 2 MILES	-	2	1	-	SIGNS SHARE POST
	M-02	138+54	54' RT	EB	DRUMLIN RIDGE WINERY RIGHT 0.8	1	-	-	2	MOVE TO STA 135+02 'EB' 30' RT
		141+37	13' LT	WB	DO NOT ENTER	-	1	1	-	
		141+38	5' RT	EB	KEEP RIGHT/ OBJECT MARKER	-	2	1	-	
		141+52	49' RT	EB	WRONG WAY	-	1	1	-	
		142+13	2' RT	EB	BEGIN LEFT TURN LANE	-	1	1	-	
		143+31	14' LT	WB	WRONG WAY	-	1	-	-	SIGN SHARES POST
	M-03	143+31	14' LT	WB	ADOPT A HIGHWAY	1	-	-	1	MOVE TO STA 135+98 'WB' 28' LT
		143+91	88' RT	WB	DO NOT ENTER	-	1	1	-	
		144+00	36' RT	WB	KEEP RIGHT	-	1	1	-	
		146+01	73' LT	EB	KEEP RIGHT	-	1	1	-	
		146+51	122' LT	EB	DO NOT ENTER	-	1	1	-	
	M-04	148+36	24' RT	WB	ADOPT A HIGHWAY	1	-	-	1	MOVE TO STA 148+55 'EB' 40' RT
		148+36	24' RT	WB	WRONG WAY	-	1	-	-	SIGN SHARES POST
		148+67	25' LT	WB	BEGIN LEFT TURN LANE	-	1	1	-	
		149+43	43' LT	WB	WRONG WAY	-	1	1	-	
		150+31	15' LT	WB	KEEP RIGHT/ OBJECT MARKER	-	2	1	-	
		150+33	28' RT	WB	DO NOT ENTER	-	1	1	-	
	M-05	151+59	49' LT	WB	DRUMLIN RIDGE WINERY LEFT 0.8	1	-	-	2	MOVE TO STA 152+48 'WB' 13' RT
		156+36	23' RT	WB	DEFOREST POPULATION 8936	-	1	2	-	
		158+27	13'RT	WB	NO PASSING ZONE	-	1	1	-	
		159+37	6' RT	WB	DIVIDED HIGHWAY AHEAD	-	1	1	-	
		160+96	15' RT	WB	SPEED LIMIT 45 M.P.H. AHEAD	-	1	1	-	
		164+10	33' LT	WB	TWO WAY TRAFFIC	-	1	1	-	
		166+65	19' RT	WB	SPEED LIMIT 45 M.P.H.	-	1	1	-	
		166+68	38' LT	WB	SPEED LIMIT 55 M.P.H.	-	1	1	-	
	M-27	7+93	20' LT	LWS	SPEED LIMIT 25 M.P.H	1	-	-	1	MOVE TO STA 7+71 'LWS' 24' LT
	M-29	8+58	18' LT	LWS	NO PARKING ANY TIME	1	-	-	1	MOVE TO STA 8+47 'LWS' 24' LT
	M-28	8+61	30' RT	LWS	NO PARKING ANY TIME	1	-	-	1	MOVE TO STA 8+50 'LWS' 30' RT
		8+71	19' LT	LWS	TRUCK/ TO/ I39,90,94/ AHEAD ARROW	-	-	-	-	PAID AS TRAFFIC CONTROL SIGN
		168+39	41' RT	WB	STOP	-	1	1	-	
		169+52	53' LT	WB	TO 39 LEFT/ TO 90 LEFT/ TO 94 LEFT	-	9	2	-	
		171+77	47' LT	WB	DIVIDED HIGHWAY AHEAD	-	1	1	-	
		173+68	54' LT	WB	TO 39 LEFT/ TO 90 LEFT/ TO 94 LEFT	-	9	2	-	
		176+25	51' LT	WB	SPEED LIMIT 45 M.P.H.	-	1	1	-	
		178+12	56' LT	WB	NO U-TURN	-	1	1	-	
	M-01	178+12	56' LT	WB	WAUNAKEE 6	1	-	-	2	MOVE TO STA 133+98 'WB' 29' LT
		178+30	21' RT	WB	LEFT LANE MUST TURN LEFT	-	1	1	-	
		184+08	10' RT	WB	SPEED LIMIT 45 M.P.H.	-	1	1	-	
	M-11	184+11	62' LT	WB	SPEED LIMIT 45 M.P.H.	1	-	-	1	MOVE TO STA 189+97 'WB' 39' LT
	M-09	186+22	22' RT	WB	JCT 39 / JCT 90 / JCT 94	-	-	-	-	PAID AS TRAFFIC CONTROL SIGN
		186+29	23' LT	WB	KEEP RIGHT/ OBJECT MARKER	-	2	1	-	
		186+40	61' LT	WB	DO NOT ENTER/ BEGIN RIGHT TURN LANE	-	2	1	-	
	M-15	186+40	78' LT	WB	WEST/19	1	-	-	1	MOVE TO STA 191+96 'WB' 40' LT
		186+99	67' LT	WB	CASHEL WAY	-	1	2	-	

CONTINUED ON NEXT PAGE

SIGN REMOVALS (CONTINUED)

CAT	SIGN NO.	STA	OFFSET	ALIGN	SIGN WORDING & PICTORIALS	638.2102 MOVING SIGN TYPE II EACH	638.2602 REMOVING SIGN TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	638.4000 MOVING SMALL SIGN SUPPORTS EACH	COMMENTS
0010										
		187+06	23' LT	WB	NO LEFT TURN	-	1	1	-	
		187+37	67' LT	WB	STOP/ ONE WAY	-	2	1	-	
		187+53	24' LT	WB	ADDED LANE (FROM LEFT)	-	-	-	-	
	M-12	8+96	25' RT	LES	RIGHT TURN ONLY	1	-	-	1	MOVE TO STA 8+88 'LES' 25' RT
		9+58	24' RT	LES	TRUCK/ TO/ I39,90,94/ RIGHT ARROW	-	4	1	-	
		188+26	31' RT	WB	STOP/ ONE WAY	-	2	1	-	
		188+44	26' LT	WB	DO NOT ENTER	-	1	1	-	
		188+66	23' LT	WB	NO LEFT TURN	-	1	1	-	
		188+83	21' LT	WB	ADDED LANE (FROM LEFT)	-	1	1	-	
		188+96	20' LT	WB	DO NOT ENTER/ NO U-TURN	-	2	1	-	
		189+18	40' RT	WB	SOUTH I39/ EAST I90/ EAST I94/ RIGHT AHEAD	-	9	2	-	
	M-10	189+22	17' LT	WB	RAMP CLOSED USE ALT ROUTE	1	-	-	-	MOVE TO STA 186+00 'EB' 53' RT
		189+22	17' LT	WB	NORTH I39/ WEST I90/ WEST I94/ AHEAD	-	9	2	-	
		190+64	54' LT	WB	BEGIN RIGHT TURN LANE	-	1	1	-	
		190+68	4' RT	WB	WRONG WAY	-	-	-	-	
	M-13	191+27	13' RT	WB	SIGNAL AHEAD	1	-	-	1	MOVE TO STA 193+30 'EB' 14' LT WITHOUT TEMP. FLAGS
	M-14	191+29	70' RT	WB	SIGNAL AHEAD	1	-	-	1	MOVE TO STA 193+31 'EB' 45' RT WITHOUT TEMP. FLAGS
		191+54	55' LT	WB	DALMORE RD	-	1	1	-	
		193+50	86' RT	WB	AHEAD SUN PRAIRIE, MILWAUKEE JANESVILLE RIGHT	-	1	1	-	SHARE'S POSTS WITH M-16
	M-16	193+50	86' RT	WB	WRONG WAY	1	-	-	1	MOVE TO STA 193+01 'EB' 48' RT
		193+96	5' RT	WB	LEFT LANE ENDS	-	1	1	-	
		194+02	40' LT	WB	LEFT LANE ENDS	-	1	1	-	
		194+96	87' RT	WB	SOUTH I39/ EAST I90/ EAST I94/ RIGHT	-	9	-	-	MOVED SIGN SUPPORTS WITH M-17
	M-17	194+96	87' RT	WB	SOUTH I39/ EAST I90/ EAST I94/ LEFT	9	-	-	2	MOVE TO STA 195+07 'EB' 61' RT
		48+00	22' RT	RNB	STOP AHEAD	-	1	1	-	
	M-20	51+78	30' LT	RNB	SPEED LIMIT 35 M.P.H.	1	-	-	1	MOVE TO STA 53+00 'RNB' 38' LT
	M-18/19	53+64	42' LT	RNB	ADOPT A HIGHWAY/ SPONSOR INFO	2	-	-	1	MOVE TO STA 51+73 'RNB' 29' LT
	M-21/22	54+30	34' LT	RNB	NO TRUCKS/ 8 TONS	2	-	-	1	MOVE TO STA 54+00 'RNB' 47' LT
		54+75	LT	RNB	STOP	-	1	1	-	
		54+76	27' RT	RNB	STOP	-	1	1	-	
		56+56	48' LT	RNB	KEEP RIGHT	-	1	1	-	
		56+60	48' LT	RNB	STOP	-	1	1	-	
		56+94	81' LT	RNB	STOP	-	1	1	-	
		56+97	51' LT	RNB	DOUBLE DOWN ARROWS	-	1	1	-	
	M-23/24	57+98	27' RT	RNB	NO TRUCKS/ 8 TONS	2	-	-	1	MOVE TO STA 58+05 RNB' 29' RT
	M-26	61+14	23' RT	RNB	LEFT CURVE AHEAD	1	-	-	1	MOVE TO STA 60+79 RNB' 25' RT
	M-25	62+35	21' RT	RNB	SPEED LIMIT 45 M.P.H.	1	-	-	1	MOVE TO STA 59+45 'RNB' 25' RT
	1/4 MILES NORTH OF RNB	LIMITS		RNB	STOP AHEAD	-	1	1	-	
					CATEGORY 0010 SUBTOTAL	33	108	60	25	
0050										
		168+16	46' LT	WB	ONE WAY ARROW LEFT	-	1	1	-	
		176+25	14' RT	WB	LEFT CASHEL WAY	-	-	-	-	PAID AS TRAFFIC CONTROL SIGN
		10+53	19' LT	CW	STOP	-	1	1	-	
	M-08	10+54	12' LT	CW	NO LEFT TURN	1	-	-	1	MOVE TO STA 10+47 'CW' 10' LT
	M-06	10+65	50' LT	CW	STOP	1	-	-	1	MOVE TO STA 10+60 'CW' 38' LT
		10+71	48' LT	CW	TRUCK/ TO/ I39,90,94/ LEFT ARROW	-	4	1	-	
	M-07	10+72	7' LT	CW	KEEP RIGHT	1	-	-	1	MOVE TO STA 10+74 'CW' 2' LT
					CATEGORY 0050 SUBTOTAL	3	6	3	3	
					PROJECT TOTAL	**36**	**114**	**63**	**28**	

PCMS SIGNS

CAT	LOCATION	SUBSTAGE	DAYS	NO. IN SERVICE EACH	643.1050 SIGNS PCMS DAYS
0010					
	19-EB, 19-WB1, 19-WB2, RV-NB1, RV-SB1	PRE-1A	7	5	35
		SUBSTAGE 1A SUBTOTAL			35
0010					
	RV-NB2	1B	3	1	3
		SUBSTAGE 1B SUBTOTAL			3
	19-EB, 19-WB1	1C	3	2	6
		SUBSTAGE 1C SUBTOTAL			6
0010					
	19-EB, 19-WB1	1D	3	2	6
	RV-NB1	1D	7	1	7
		SUBSTAGE 1D SUBTOTAL			13
0010					
	19-EB, 19-WB1	1E	3	2	6
		SUBSTAGE 1E SUBTOTAL			6
0010					
	19-EB, 19-WB1	2A	3	2	6
	RV-SB2	2A	7	1	7
		SUBSTAGE 2A SUBTOTAL			13
0010					
	19-EB, 19-WB1	2B	3	2	6
		SUBSTAGE 2B SUBTOTAL			6
0010					
	19-EB, 19-WB1	2C	3	2	6
		SUBSTAGE 2C SUBTOTAL			6
		CATEGORY 0010 PROJECT TOTAL			**88**

FLEXIBLE TUBULAR MARKER POSTS

CAT	LOCATION	STAGE	643.0500 TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS EACH	643.0600 TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER BASES EACH
0010				
	STH 19	1D	33	33
	STH 19	2A	42	42
		SUBSTAGE 2A SUBTOTAL	75	75
0010				
	STH 19	2B	12	12
	STH19	2B-RAB	22	22
		SUBSTAGE 2B SUBTOTAL	22	22
		CATEGORY 0010 PROJECT TOTAL	**97**	**97**

TRAFFIC CONTROL COVERING SIGNS

CAT	LOCATION	STAGE	643.0920 TRAFFIC CONTROL COVING SIGN TYPE II EACH	COMMENTS
0010				
	243+75 RT TEB2	2A	1	COVER SIGN R3-8D
	249+18 LT TEB2	2A	1	COVER SIGN R3-8E
	140+86 WB	2B	2	COVER SIGNS R3-8CC
	CATEGORY 0010 SUBTOTAL		4	
	PROJECT TOTAL		**4**	

3

TRAFFIC CONTROL

CAT	LOCATION	STAGE	DAYS	643.0300 DRUMS EACH	643.0300 DRUMS DAYS	643.0410 BARRICADES TYPE II EACH	643.0410 BARRICADES TYPE II DAYS	643.0420 BARRICADES TYPE III EACH	643.0420 BARRICADES TYPE III DAYS	643.0705 WARNING LIGHTS TYPE A EACH	643.0705 WARNING LIGHTS TYPE A DAYS	643.0715 WARNING LIGHTS TYPE C EACH	643.0715 WARNING LIGHTS TYPE C DAYS	643.0800 ARROW BOARDS EACH	643.0800 ARROW BOARDS DAYS	643.0900 SIGNS EACH	643.0900 TRAFFIC CONTROL SIGNS DAYS
0010																	
	STH 19	1A	66		0	3	198	1	66	2	132		0		0	55	3630
	STH 19	LNW1	7	44	309	3	21	2	14	4	28	9	64		0	40	280
	STH 19	LNW2	7	33	230	3	21	2	14	4	28		0		0	40	280
	10% UNDISTRIBUTED				51		20		6		22		6		0		420
	SUBSTAGE 1A SUBTOTAL				590		260		100		210		70		0		4610
0010	STH 19	1B	95		0	3	285	22	2090	44	4180		0		0	66	6270
	10% UNDISTRIBUTED				0		29		210		420		0		0		630
	SUBSTAGE 1B SUBTOTAL				0		320		2300		4600		0		0		6900
	STH 19	1C	105	202	21244	3	315	13	1365	26	2730	77	8077		0	83	8715
	10% UNDISTRIBUTED				2126		35		135		270		803		0		875
	SUBSTAGE 1C SUBTOTAL				23370		350		1500		3000		8880		0		9590
0010	STH 19	1D	26	190	4945	3	78	19	494	38	988	5	130		0	83	2158
	STH 19	LNW	4	101	402	3	12	12	48	24	96	5	20		0	52	208
	STH 19	MED	7	57	401	3	21	8	56	16	112	32	225		0	34	238
	UNDISTRIBUTED				572		9		62		124		35		0		256
	SUBSTAGE 1D SUBTOTAL				6320		120		660		1320		410		0		2860
0010	STH 19	1E	14	34	477	3	42	10	140	20	280	12	168		0	51	714
	UNDISTRIBUTED				53		8		10		30		22		0		76
	SUBSTAGE 1E SUBTOTAL				530		50		150		310		190		0		790
0010	STH 19	2A	77	235	18095	3	231	10	770	20	1540	43	3311		0	154	11858
	UNDISTRIBUTED				1815		19		80		150		329		0		1182
	SUBSTAGE 2A SUBTOTAL				19910		250		850		1690		3640		0		13040
0010	STH19	2B	28	575	16100	3	84	7	196	14	392	33	924	1	28	49	1372
	STH19	2B-RAB	14	294	4116	3	42	13	182	26	728	45	1260	1	14	114	1596
	UNDISTRIBUTED				2024		14		42		110		216		8		292
	SUBSTAGE 2B SUBTOTAL				22240		140		420		1230		2400		50		3260
0010	STH 19	2C	7	575	4025	3	21	11	77	22	154	33	924	1	28	42	294
	UNDISTRIBUTED				405		9		13		16		96		2		26
	SUBSTAGE 2C SUBTOTAL				4430		30		90		170		1020		30		320
	CATEGORY 0010 PROJECT TOTAL				**77390**		**1520**		**6070**		**12530**		**16610**		**80**		**41370**

TEMPORARY MARKING

CAT	STAGE	646.6464* COLD WEATHER MARKING EPOXY 4-INCH WHITE LF	646.6464* COLD WEATHER MARKING EPOXY 4-INCH YELLOW LF	646.6468* COLD WEATHER MARKING EPOXY 8-INCH WHITE LF	646.6468* COLD WEATHER MARKING EPOXY 8-INCH YELLOW LF	649.0105 TEMPORARY MARKING LINE PAINT 4-INCH WHITE LF	649.0105 TEMPORARY MARKING LINE PAINT 4-INCH YELLOW LF	649.0150 TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH WHITE LF	649.0150 TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH YELLOW LF	649.0205 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	649.0605 TEMPORARY MARKING WORD PAINT EACH	649.0805 TEMPORARY MARKING STOP LINE PAINT 18-INCH LF	649.0820 TEMPORARY MARKING STOP LINE EPOXY 18-INCH LF	649.0850 TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH LF	649.0905 TEMPORARY MARKING DIAGONAL PAINT 12-INCH LF	649.0950 TEMPORARY MARKING DIAGONAL PAINT REMOVABLE TAPE 12-INCH EACH
0010																		
	1B	1414	2428	110	-	-	-	-	-	-	-	-	-	-	75	-	-	-
	1C	-	-	-	-	8549	5780	1510	5124	442	1060	1	1	13	-	27	340	577
	1D-LNW	-	-	-	-	-	-	-	2553	-	-	-	-	-	-	-	-	-
	1D-MED	-	-	-	-	951	493	-	911	-	-	-	-	-	-	-	-	-
	1D	-	-	-	-	2490	2870	3261	4948	2407	1140	1	1	-	-	34	-	-
	1E	-	-	-	-	-	-	-	525	-	135	-	-	-	-	23	-	-
	2A	-	-	-	-	-	-	8953	11995	-	1503	-	-	-	-	23	-	122
	2B-RAB	-	-	-	-	-	-	3349	17169	-	244	-	-	-	-	-	-	-
	2B	-	-	-	-	-	-	425	4666	-	200	-	-	-	-	-	-	-
	2C	-	-	-	-	-	-	-	2470	-	-	-	-	-	-	-	-	-
CATEGORY 0010 PROJECT TOTAL		**1414**	**2428**	**110**	**0**	**11990**	**9143**	**17498**	**50361**	**2849**	**4282**	**2**	**2**	**13**	**75**	**107**	**340**	**699**
		3842		**110**		**21133**		**67859**										

***ADDITIONAL QUANTITIES LISTED ELSEWHERE**

REMOVING PAVEMENT MARKINGS

CAT	STAGE	LOCATION	646.9000 MARKING REMOVAL LINE 4-INCH LF	646.9010 MARKING REMOVAL LINE WATER BLASTING 4-INCH LF	646.9100 MARKING REMOVAL LINE 8-INCH LF	646.9110 MARKING REMOVAL LINE WATER BLASTING 8-INCH LF	646.9200 MARKING REMOVAL LINE WIDE LF	646.9300 MARKING REMOVAL SPECIAL MARKING EACH
0010								
	1B		-	-	52	-	-	-
	1C		3389	1713	-	110	85	2
	1D-MED		-	-	160	-	-	-
	1D		456	-	135	-	76	-
	1E		-	132	-	-	-	-
	2A		-	2025	-	335	-	-
	2B-RAB		150	350	-	-	-	-
	2C		3351	-	-	-	-	-
CATEGORY 0010 PROJECT TOTAL			**7346**	**4220**	**347**	**445**	**161**	**2**

PERMANENT PAVEMENT MARKING

CAT	STA	TO	STA	OFFSET	ALIGN	LOCATION	DESCRIPTION	646.1020 EPOXY 4-INCH (YELLOW) LF	646.1020 EPOXY 4-INCH (WHITE) LF	646.1545 GROOVED WET REF CONTRAST 4-INCH (WHITE) LF	646.3020 EPOXY 8-INCH (WHITE) LF	646.3545 GROOVED WET REF CONTRAST 8-INCH WHTE LF	646.6464* COLD WEATHER MARKING EPOXY 4-INCH (YELLOW) LF	646.6464* COLD WEATHER MARKING EPOXY 4-INCH (WHITE) LF	646.6468* COLD WEATHER MARKING EPOXY 8-INCH (YELLOW) LF	646.6468* COLD WEATHER MARKING EPOXY 8-INCH (WHITE) LF
0010																
	131+22	-	139+92	CL	WB	CENTER LINE	DOUBLE YELLOW, DY4	1738	-	-	-	-	-	-	-	-
	131+25	-	142+48	RT	EB		W4	-	1121	-	-	-	-	-	-	-
	131+95	-	142+68	LT	WB		W4	-	1076	-	-	-	-	-	-	-
	139+34	-	140+86	RT	EB	SPLIT LANES	W8-3	-	-	-	-	-	-	-	-	38
	139+92	-	143+92	LT	EB	MEDIAN	SOUTH Y4	401	-	-	-	-	-	-	-	-
	139+92	-	144+07	LT	WB	MEDIAN	NORTH Y4	416	-	-	-	-	-	-	-	-
	140+86	-	144+05	RT	EB	SPLITTER	W8	-	-	-	-	-	-	-	-	449
	142+20	-	143+74	LT	WB		W8-3	-	-	-	39	-	-	-	-	-
	142+48	-	143+12	RT	EB		W4-3	-	16	-	-	-	-	-	-	-
	142+68	-	143+32	LT	WB		W4-3	-	16	-	-	-	-	-	-	-
	142+90	-	144+05	RT	EB		CHEVRONS, W8	-	-	-	26	-	-	-	-	-
	143+92	-	144+06	LT/RT	EB/WB	SOUTH SIDE MEDIAN	W8	-	-	-	102	-	-	-	-	-
	143+87	-	13+91	LT	WB/CR	LANES	W8-6	-	-	-	112	-	-	-	-	-
	46+50	-	54+00	LT	RSB		W4	-	745	-	-	-	-	-	-	-
	46+50	-	53+51	CL	RNB	CENTER LINE	DOUBLE YELLOW, DY4	1402	-	-	-	-	-	-	-	-
	46+50	-	53+88	RT	RNB		W4	-	746	-	-	-	-	-	-	-
	51+42	-	53+22	RT	RNB	LANES	W4-3	-	45	-	-	-	-	-	-	-
	52+02	-	53+22	RT	RNB	LANES	W4-3	-	-	-	30	-	-	-	-	-
	53+25	-	54+05	RT	RNB		W4	-	82	-	-	-	-	-	-	-
	53+25	-	55+08	RT	RNB		W8	-	-	-	318	-	-	-	-	-
	53+51	-	54+92	LT	RNB	MEDIAN	WEST/EAST, Y4	283	-	-	-	-	-	-	-	-
	53+88	-	54+30	RT	RNB		W4-3	-	12	-	-	-	-	-	-	-
	54+00		54+50	RT	RNB		W4-3	-	12	-	-	-	-	-	-	-
	54+05	-	54+50	RT	RNB	LANES	W4-3	-	11	-	-	-	-	-	-	-
	54+92	-	11+90	LT	RNB/CR	MEDIAN	W8	-	-	-	78	-	-	-	-	-
	11+73	-	146+23	RT	CR/EB		W8-6	-	-	-	118	-	-	-	-	-
	10+12	-	14+06	LT	CR	MEDIAN	W8	-	-	-	78	-	-	-	-	-
	57+08	-	58+96		RNB	MEDIAN	EAST, Y4	188	-	-	-	-	-	-	-	-
	57+19	-	58+97	LT	RNB	MEDIAN	WEST, Y4	189	-	-	-	-	-	-	-	-
	57+52	-	58+01	RT	RNB		W4-3	-	12	-	-	-	-	-	-	-
	57+62	-	57+95	LT	RNB		W4-3	-	9	-	-	-	-	-	-	-
	57+95	-	58+48	LT	RNB		W4	-	56	-	-	-	-	-	-	-
	58+04	-	63+10	RT	RNB		W4	-	507	-	-	-	-	-	-	-
	59+56	-	63+10	LT	RNB		W4	-	356	-	-	-	-	-	-	-
	58+45	-	60+18	LT	RNB		W4-3	-	44	-	-	-	-	-	-	-

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PERMANENT PAVEMENT MARKING (CONTINUED)

CAT	STA	TO	STA	OFFSET	ALIGN	LOCATION	DESCRIPTION	646.1020 EPOXY 4-INCH (YELLOW) LF	646.1020 EPOXY 4-INCH (WHITE) LF	646.1545 GROOVED WET REF CONTRAST 4-INCH (WHITE) LF	646.3020 EPOXY 8-INCH (WHITE) LF	646.3545 GROOVED WET REF CONTRAST 8-INCH WHTE LF	646.6464* COLD WEATHER MARKING EPOXY 4-INCH (YELLOW) LF	646.6464* COLD WEATHER MARKING EPOXY 4-INCH (WHITE) LF	646.6468* COLD WEATHER MARKING EPOXY 8-INCH (YELLOW) LF	646.6468* COLD WEATHER MARKING EPOXY 8-INCH (WHITE) LF
0010																
	58+96	-	63+10	LT	RNB	CENTER LINE	DOUBLE YELLOW, DY4	826	-	-	-	-	-	-	-	-
	12+87	-	13+43	RT	CR	MEDIAN	W8	-	-	-	106	-	-	-	-	-
	145+90	-	149+05	LT	WB		W8	-	-	-	322	-	-	-	-	105
	145+98	-	159+54		EB	INNER SHLDR LINE	Y4	-	-	-	-	-	-	-	1356	-
	146+20	-	167+31	RT	EB		W4-12.5-C	-	-	528	-	-	-	-	-	-
	146+22	-	167+36		WB	INNER SHLDR LINE	Y4	180	-	-	-	-	1936	-	-	-
	146+66	-	147+32	RT	EB		W4-3	-	16	-	-	-	-	-	-	-
	146+93	-	147+66	LT	WB		W4-3	-	18	-	-	-	-	-	-	-
	147+32	-	167+31	RT	EB	OUTSIDE SHLDR LINE	W4	-	2005	-	-	-	-	-	-	-
	147+66	-	167+25	LT	WB	OUTSIDE SHLDR LINE	W4	-	697	-	-	-	-	1260	-	-
	149+05	-	167+36	LT	WB		W4-12.5-C	-	-	458	-	-	-	-	-	-
	160+58	-	167+31	LT	EB	START LEFT TURN LANE	W8-C	-	-	-	-	678	-	-	-	-
	164+32	-	167+31	RT	EB	RIGHT TURN LANE	W8-C	-	-	-	-	300	-	-	-	-
	7+65	-	9+33		LWS	CENTER LINE	DY4	336	-	-	-	-	-	-	-	-
	8+45	-	9+33	RT	LWS		W8	-	-	-	87	-	-	-	-	-
	168+80	-	195+14		EB	INNER SHLDR LINE	Y4	2634	-	-	-	-	-	-	-	-
	168+85	-	172+30		WB	INNER MAINLINE SHLDR	W8-C	-	-	-	-	620	-	-	-	-
	168+85	-	195+20	LT	WB	CENTER LINE	W4-12-5-C	-	-	659	-	-	-	-	-	-
	168+88	-	186+04	RT	EB	OUTSIDE SHLDR MAINLINE	W4	-	1819	-	-	-	-	-	-	-
	168+99	-	179+81	LT	WB	OUTSIDE SHLDR MAINLINE	W4	-	1083	-	-	-	-	-	-	-
	169+18	-	195+14	RT	EB	CENTER LINE	W4-12-5-C	-	-	649	-	-	-	-	-	-
	176+80	-	195+54		WB	INNER MAINLINE SHLDR	Y4	1874	-	-	-	-	-	-	-	-
	181+27	-	194+85		WB	OUTSIDE SHLDR MAINLINE	W4	-	1358	-	-	-	-	-	-	-
	184+04	-	187+06	RT	EB	RIGHT TURN LANE	W8-C	-	-	-	-	303	-	-	-	-
	8+85	-	9+38		LES	CENTER LINE	DY4	106	-	-	-	-	-	-	-	-
	188+36	-	190+11	RT	EB	OUTSIDE SHLDR MAINLINE	W4	-	177	-	-	-	-	-	-	-
	190+11	-	191+99	RT	EB	START RIGHT TURN LANE	W4-3-C	-	-	47	-	-	-	-	-	-
	190+45	-	191+99	RT	EB	START RIGHT TURN LANE	W8-3-C	-	-	-	-	39	-	-	-	-
	190+82	-	194+95	RT	EB	OUTSIDE SHLDR MAINLINE	W4	-	413	-	-	-	-	-	-	-
	191+99	-	195+14	RT	EB	RIGHT TURN LANE	W8-C	-	-	-	-	314	-	-	-	-
	191+99	-	195+14	RT	EB		W4-C	-	-	314	-	-	-	-	-	-
	196+25	-	198+80	LT	WB	OUTSIDE SHLDR MAINLINE	W4	-	255	-	-	-	-	-	-	-
	196+25	-	199+55		WB	INNER MAINLINE SHLDR	Y4	330	-	-	-	-	-	-	-	-
	196+25	-	200+38		WB	CENTER LINE	W4-12.5-C	-	-	103	-	-	-	-	-	-
							CATEGORY 0010 SUBTOTAL	10903	12708	2758	1414	2254	1936	1260	1356	592
								23611					3196		1948	

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PERMANENT PAVEMENT MARKING (CONTINUED)

CAT	STA	TO	STA	OFFSET	ALIGN	LOCATION	DESCRIPTION	646.1020 EPOXY 4-INCH (YELLOW) LF	646.1020 EPOXY 4-INCH (WHITE) LF	646.1545 GROOVED WET REF CONTRAST 4-INCH (WHITE) LF	646.3020 EPOXY 8-INCH (WHITE) LF	646.3545 GROOVED WET REF CONTRAST 8-INCH WHTE LF	646.6464* COLD WEATHER MARKING EPOXY 4-INCH (YELLOW) LF	646.6464* COLD WEATHER MARKING EPOXY 4-INCH (WHITE) LF	646.6468* COLD WEATHER MARKING EPOXY 8-INCH (YELLOW) LF	646.6468* COLD WEATHER MARKING EPOXY 8-INCH (WHITE) LF
0050																
	56+92	-	57+17	LT	RNB	MEDIAN	W8	-	-	-	30	-	-	-	-	-
	57+73	-	58+12	LT	RNB		W4-3	-	12	-	-	-	-	-	-	-
	57+96	-	58+45	LT	RNB		W8	-	-	-	106	-	-	-	-	-
	58+13	-	59+56	LT	RNB		W4	-	152	-	-	-	-	-	-	-
	58+45	-	59+55	LT	RNB	START RIGHT TURN LANE	W8-3	-	-	-	28	-	-	-	-	-
	159+54	-	167+31	LT	EB	INNER SHLDR LINE	Y4	-	-	-	-	-	779	-	-	-
	160+58	-	167+31	LT	EB	LEFT TURN LANES SHLDR	W8-C	-	-	-	-	672	-	-	-	-
	161+93	-	167+31	LT	EB	LEFT TURN LANES	W4-12-5-C	-	-	135	-	-	-	-	-	-
	161+94	-	163+68	LT	EB		W8-C	-	-	-	-	350	-	-	-	-
	302+76	-	302+89	RT	TCS		W4-12.5	-	34	-	-	-	-	-	-	-
	302+82	-	304+37	LT	TCS	LANES	W8	-	-	-	156	-	-	-	-	-
	302+82	-	304+37	LT	TCS	RIGHT TURN LANE	W8	-	-	-	156	-	-	-	-	-
	168+85	-	172+30	RT	WB		W8-C	-	-	-	-	620	-	-	-	-
	168+85	-	176+81	RT	WB		Y4	797	-	-	-	-	-	-	-	-
	168+86	-	172+49	LT	WB	RIGHT TURN LANE	W8-C	-	-	-	-	364	-	-	-	-
	172+30	-	175+05	RT	WB	LEFT TURN LANE	W8-C	-	-	-	-	543	-	-	-	-
	10+75	-	11+18	LT	CW	CENTER LINE	DY4	82	-	-	-	-	-	-	-	-
	181+27	-	184+77	LT	WB	RIGHT TURN LANE	W8-C	-	-	-	-	350	-	-	-	-
							CATEGORY 0050 SUBTOTAL	879	198	135	476	2899	779	0	0	0
								1077					779		0	
							PROJECT TOTAL	**24689**		**2892**	**1890**	**5153**	**3975**		**1948**	

PERMANENT PAVEMENT MARKING

CAT	STA	TO	STA	OFFSET	ALIGN	LOCATION	DESCRIPTION	646.5020 MARKING ARROW EPOXY EACH	646.5120 MARKING WORD EPOXY EACH	646.6120 MARKING STOP LINE EPOXY 18-INCH LF	646.6320 MARKING DOTTED EXTENSION EPOXY 18-INCH LF	646.7120 MARKING DIAGONAL EPOXY 12-INCH (YELLOW) LF	646.7120 MARKING DIAGONAL EPOXY 12-INCH (WHITE) LF	646.7420 MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH LF	646.8120 MARKING CURB EPOXY (YELLOW) LF	646.8220 MARKING ISLAND NOSE EPOXY (YELLOW) EACH
0010																
	135+00	-	139+34	LT	EB	MEDIAN	DIAGONAL STRIPS, Y12	-	-	-	-	87	-	-	-	-
	139+34	-	139+48	RT	EB	INNER LANE	A-3R	1	-	-	-	-	-	-	-	-
	139+34	-	139+48	RT	EB	OUTER LANE	A-3	1	-	-	-	-	-	-	-	-
	139+36	-	139+41	LT	EB	MEDIAN NOSE	INY	-	-	-	-	-	-	-	-	1
	139+41	-	139+44	LT	EB	MEDIAN CURB	NORTH/SOUTH CBY	-	-	-	-	-	-	-	6	-
	140+86	-	140+99	RT	EB	INNER LANE	A-3R	1	-	-	-	-	-	-	-	-
	140+86	-	140+99	RT	EB	OUTER LANE	A-3	1	-	-	-	-	-	-	-	-
	142+82	-	142+94	RT	EB	INNER LANE	A-3R	1	-	-	-	-	-	-	-	-
	142+82	-	142+94	RT	EB	OUTER LANE	A-3	1	-	-	-	-	-	-	-	-
	143+36	-	144+19	RT	EB	CHEVRONS	W12	-	-	-	-	-	26	-	-	-
	143+97	-	144+19	RT	EB	LANES	YIELD, WO	-	2	-	-	-	-	-	-	-
	143+91	-	143+99	LT	EB	MEDIAN NOSE	INY	-	-	-	-	-	-	-	-	1
	143+91	-	143+99	LT	EB	MEDIAN CURB	CBY	-	-	-	-	-	-	-	18	-
	144+06	-	144+16	RT	WB	MEDIAN NOSE	INY	-	-	-	-	-	-	-	-	1
	144+06	-	144+16	RT	WB	MEDIAN CURB	NORTH/SOUTH CBY	-	-	-	-	-	-	-	19	-
	11+28	-	11+70	LT	CR		W18-2	-	-	-	30	-	-	-	-	-
	50+50	-	53+00	LT	RNB	MEDIAN	DIAGONAL STRIPS, Y12	-	-	-	-	55	-	-	-	-
	53+00	-	53+05	L	RNB	MEDIAN NOSE	INY	-	-	-	-	-	-	-	-	1
	53+05	-	53+08	LT	RNB	MEDIAN CURB	WEST/EAST CBY	-	-	-	-	-	-	-	6	-
	53+25	-	53+38	RT	RNB	INNER LANE	A-3R	1	-	-	-	-	-	-	-	-
	53+25	-	53+33	RT	RNB	OUTER LANE	A-3	1	-	-	-	-	-	-	-	-
	53+51	-	55+05	RT	RNB		W12	-	-	-	-	-	85	-	-	-
	54+83	-	54+98	LT	RNB	MEDIAN CURB	WEST/EAST CBY	-	-	-	-	-	-	-	18	-
	54+84	-	54+98	LT	RNB	MEDIAN NOSE	INY	-	-	-	-	-	-	-	-	1
	54+90	-	54+99	LT	RNB	MEDIAN NOSE	INY	-	-	-	-	-	-	-	-	1
	54+90	-	54+99	LT	RNB	MEDIAN CURB	WEST/EAST CBY	-	-	-	-	-	-	-	18	-
	54+96	-	55+20	RT	RNB	INNER LANE	YIELD, WO	-	2	-	-	-	-	-	-	-
	55+05	-	146+02	RT	RNB/EB		W18-2	-	-	-	33	-	-	-	-	-
	11+78	-	11+98	RT	CR	LANES	A-3, A-1	2	-	-	-	-	-	-	-	-
	13+93	-	14+13	LT	CR	LANES	A-3, A-1	2	-	-	-	-	-	-	-	-
			57+10	LT	WB		W18-2	-	-	-	15	-	-	-	-	-
	56+94	-	57+07	LT	RNB	MEDIAN NOSE	INY	-	-	-	-	-	-	-	-	1
	56+94	-	57+08	LT	RNB	MEDIAN CURB	WEST/EAST CBY	-	-	-	-	-	-	-	18	-
	57+13	-	57+22	LT	RNB	LANES	YIELD, WO	-	1	-	-	-	-	-	-	-
	57+09	-	57+19	LT	RNB	MEDIAN NOSE	INY	-	-	-	-	-	-	-	-	1
	57+09	-	57+19	LT	RNB	MEDIAN CURB	WEST/EAST CBY	-	-	-	-	-	-	-	18	-
	58+11	-	58+45	LT	RNB	LANE	A-3R	1	-	-	-	-	-	-	-	-
	59+39	-	59+41	LT	RNB	MEDIAN CURB	WEST/EAST CBY	-	-	-	-	-	-	-	6	-
	59+41	-	59+47	LT	RNB	MEDIAN NOSE	INY	-	-	-	-	-	-	-	-	1
	59+50	-	61+50	LT	RNB	MEDIAN	DIAGONAL STRIPS, Y12	-	-	-	-	65	-	-	-	-
	13+43	-	13+84	RT	CR		W18-2	-	-	-	29	-	-	-	-	-
	145+87	-	146+19	LT	WB	LANES	YIELD, WO	-	2	-	-	-	-	-	-	-
	145+90	-	145+97	LT	EB	MEDIAN NOSE	INY	-	-	-	-	-	-	-	-	1
	145+90	-	145+98	LT	EB	MEDIAN CURB	NORTH/SOUTH CBY	-	-	-	-	-	-	-	18	-
	146+05	-	146+79	LT	WB	CHEVRONS	W12	-	-	-	-	-	26	-	-	-

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PERMANENT PAVEMENT MARKING (CONTINUED)

CAT	STA	TO	STA	OFFSET	ALIGN	LOCATION	DESCRIPTION	646.5020 MARKING ARROW EPOXY EACH	646.5120 MARKING WORD EPOXY EACH	646.6120 MARKING STOP LINE EPOXY 18-INCH LF	646.6320 MARKING DOTTED EXTENSION EPOXY 18-INCH LF	646.7120 MARKING DIAGONAL EPOXY 12-INCH (YELLOW) LF	646.7120 MARKING DIAGONAL EPOXY 12-INCH (WHITE) LF	646.7420 MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH LF	646.8120 MARKING CURB EPOXY (YELLOW) LF	646.8220 MARKING ISLAND NOSE EPOXY (YELLOW) EACH
0010																
	146+13	-	146+22	RT	WB	MEDIAN NOSE	INY	-	-	-	-	-	-	-	-	1
	146+13	-	146+22	RT	WB	MEDIAN CURB	NORTH/SOUTH CBY	-	-	-	-	-	-	-	18	-
	147+23	-	147+36	LT	WB	LANES	A-3, A-3R	2	-	-	-	-	-	-	-	-
	148+92	-	149+04	LT	WB	LANES	A-3, A-3R	2	-	-	-	-	-	-	-	-
	164+52	-	164+60	RT	EB	RIGHT TURN LANE	A2	1	-	-	-	-	-	-	-	-
	166+63	-	166+72	RT	EB	RIGHT TURN LANE	ONLY, WO	-	1	-	-	-	-	-	-	-
	167+03	-	167+11	RT	EB	RIGHT TURN LANE	A2	1	-	-	-	-	-	-	-	-
			167+31	RT	EB		SL18	-	-	40	-	-	-	-	-	-
	8+66	-	8+74	RT	LWS	LEFT TURN LANE	A-2	1	-	-	-	-	-	-	-	-
	8+66	-	8+79	RT	LWS	AHEAD/RIGHT LANE	A-3	1	-	-	-	-	-	-	-	-
			9+33	RT	LWS		SL18	-	-	28	-	-	-	-	-	-
			168+69	LT/RT	WB		XW6	-	-	-	-	-	-	50	-	-
			168+69	LT/RT	EB		XW6	-	-	-	-	-	-	65	-	-
			168+80	LT/RT	WB		XW6	-	-	-	-	-	-	44	-	-
			168+80	LT/RT	EB		XW6	-	-	-	-	-	-	64	-	-
			168+85	LT/RT	WB		SL18	-	-	42	-	-	-	-	-	-
	184+25	-	184+33	RT	EB	RIGHT TURN LANE	A-2	1	-	-	-	-	-	-	-	-
	186+37	-	186+46	RT	EB	RIGHT TURN LANE	ONLY, WO	-	1	-	-	-	-	-	-	-
	186+77	-	186+85	RT	EB	RIGHT TURN LANE	A-2	1	-	-	-	-	-	-	-	-
	8+68	-	8+76	RT	LES	RIGHT TURN LANE	ONLY, WO	-	1	-	-	-	-	-	-	-
	9+09	-	9+17	RT	LES	RIGHT TURN LANE	A-2	1	-	-	-	-	-	-	-	-
			9+38	RT	LES		SL18	-	-	18	-	-	-	-	-	-
	192+19	-	192+27	RT	EB	RIGHT TURN LANE	A-2	1	-	-	-	-	-	-	-	-
	194+46	-	194+54	RT	EB	RIGHT TURN LANE	ONLY, WO	-	1	-	-	-	-	-	-	-
	194+86	-	194+94	RT	EB	RIGHT TURN LANE	A-2	1	-	-	-	-	-	-	-	-
			195+14	RT	EB		SL18	-	-	45	-	-	-	-	-	-
							CATEGORY 0010 SUBTOTAL	26	11	173	106	208	137	223	163	11
												345				

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PERMANENT PAVEMENT MARKING (CONTINUED)

CAT	STA	TO	STA	OFFSET	ALIGN	LOCATION	DESCRIPTION	646.5020 MARKING ARROW EPOXY EACH	646.5120 MARKING WORD EPOXY EACH	646.6120 MARKING STOP LINE EPOXY 18-INCH LF	646.6320 MARKING DOTTED EXTENSION EPOXY 18-INCH LF	646.7120 MARKING DIAGONAL EPOXY 12-INCH (YELLOW) LF	646.7120 MARKING DIAGONAL EPOXY 12-INCH (WHITE) LF	646.7420 MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH LF	646.8120 MARKING CURB EPOXY (YELLOW) LF	646.8220 MARKING ISLAND NOSE EPOXY (YELLOW) EACH
0050																
	57+07	-	144+16	LT	RNB/WB		W18-2	-	-	-	14	-	-	-	-	-
	57+08	-	57+17	LT	RNB	RIGHT TURN LANE	YIELD, WO	-	1	-	-	-	-	-	-	-
	58+13	-	58+46	LT	RNB	RIGHT TURN LANE	A-2	1	-	-	-	-	-	-	-	-
	160+58	-	167+31	LT	EB	START LEFT TURN LANE	W12	-	-	-	-	-	450	-	-	-
	162+28	-	162+43	LT	EB	MEDIAN	CBY	-	-	-	-	-	-	-	35	-
	163+89	-	163+97	LT	EB	LEFT TURN LANES	A-2	2	-	-	-	-	-	-	-	-
	166+63	-	166+71	LT	EB	LEFT TURN LANES	ONLY, WO	-	2	-	-	-	-	-	-	-
	167+03	-	167+11	LT	EB	LEFT TURN LANES	A-2	2	-	-	-	-	-	-	-	-
	167+27	-	167+29	LT	EB	MEDIAN CURB	CBY	-	-	-	-	-	-	-	6	-
	167+29	-	167+34	LT	EB	MEDIAN NOSE	INY	-	-	-	-	-	-	-	-	1
			167+31	LT	EB	LEFT TURN LANES	SL18	-	-	23	-	-	-	-	-	-
	302+57	-	302+63	RT	TCS	MEDIAN NOSE	INY	-	-	-	-	-	-	-	-	1
	302+63	-	302+65	RT	TCS	MEDIAN	CBY	-	-	-	-	-	-	-	4	-
			302+65	LT	TCS	CROSSWALK	XW6	-	-	-	-	-	-	44	-	-
			302+65	RT	TCS	CROSSWALK	XW6	-	-	-	-	-	-	45	-	-
			302+76	LT	TCS	CROSSWALK	XW6	-	-	-	-	-	-	38	-	-
			302+76	RT	TCS	CROSSWALK	XW6	-	-	-	-	-	-	37	-	-
			302+82	LT	TCS		SL18	-	-	35	-	-	-	-	-	-
	302+82	-	304+37	LT	TCS	RIGHT TURN LANE CHEVRONS	W12	-	-	-	-	-	110	-	-	-
	303+00	-	303+13	LT	TCS	RIGHT TURN LANE	A-3	1	-	-	-	-	-	-	-	-
	303+03	-	303+11	LT	TCS	LEFT TURN LANES	A-2	1	-	-	-	-	-	-	-	-
			168+85	RT	WB		SL18	-	-	14	-	-	-	-	-	-
	168+88	-	168+71	RT	WB	MEDIAN CURB	CBY	-	-	-	-	-	-	-	6	-
	169+06	-	169+14	RT	WB	LEFT TURN LANE	A-2	1	-	-	-	-	-	-	-	-
	169+06	-	169+14	LT	WB	RIGHT TURN LANE	A-2	1	-	-	-	-	-	-	-	-
	169+45	-	169+53	RT	WB	LEFT TURN LANE	ONLY, WO	-	1	-	-	-	-	-	-	-
	169+45	-	169+53	LT	WB	RIGHT TURN LANE	ONLY, WO	-	1	-	-	-	-	-	-	-
	172+02	-	172+10	RT	WB	LEFT TURN LANE	A-2	1	-	-	-	-	-	-	-	-
	172+21	-	172+29	LT	WB	RIGHT TURN LANE	A-2	1	-	-	-	-	-	-	-	-
	173+56	-	173+72	RT	WB	MEDIAN	CBY	-	-	-	-	-	-	-	35	-
	10+47	-	10+55	LT	CW		SL18	-	-	22	-	-	-	-	-	-
	10+39	-	10+43	LT	CW	MEDIAN NOSE	INY	-	-	-	-	-	-	-	-	1
	10+39	-	10+40	LT	CW	MEDIAN CURB	CBY	-	-	-	-	-	-	-	11	-
	10+40	-	10+45	LT	CW	MEDIAN NOSE	INY	-	-	-	-	-	-	-	-	1
	10+44	-	10+76	LT	CW	MEDIAN CURB	CBY	-	-	-	-	-	-	-	35	-
	10+44	-	10+76	LT	CW	MEDIAN CURB	CBY	-	-	-	-	-	-	-	31	-
	10+70	-	10+77	LT	CW	LEFT TURN LANE	A-2	1	-	-	-	-	-	-	-	-
	10+74	-	10+78	LT	CW	MEDIAN NOSE	INY	-	-	-	-	-	-	-	-	1
	11+08	-	11+17	LT	CW	LEFT TURN LANE	ONLY, WO	-	1	-	-	-	-	-	-	-
	181+47	-	181+55	LT	WB	RIGHT TURN LANE	A-2	1	-	-	-	-	-	-	-	-
	181+87	-	181+95	LT	WB	RIGHT TURN LANE	ONLY, WO	-	1	-	-	-	-	-	-	-
	184+49	-	184+57	LT	WB	RIGHT TURN LANE	A-2	1	-	-	-	-	-	-	-	-
							CATEGORY 0050 SUBTOTAL	14	7	94	14	0	560	164	163	5
												560				
							PROJECT TOTAL	**40**	**18**	**267**	**120**	**905**		**387**	**326**	**16**

3

STORM SEWER STRUCTURES

CAT	STRUCTURE	STATION	OFFSET*	LOCATION	520.8000 +Concrete Collars for Pipe EACH	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	522.1042 Apron Endwalls for Culvert Pipe Reinforced Concrete 42-Inch EACH	611.0530 Manhole Covers Type J EACH	611.0624 Inlet Covers Type H EACH	611.0642 Inlet Covers Type MS EACH	611.0652 Inlet Covers Type T EACH	611.2006 Manholes 6-FT Diameter EACH	611.2008 Manholes 8-FT Diameter EACH	611.3225 Inlets 2x2.5-FT EACH	611.3230 Inlets 2x3-FT EACH	611.3901 Inlets Median 1 Grate EACH	611.3902 Inlets Median 2 Grate EACH	650.4000 +Construction Staking Storm Sewer EACH	RIM ELEVATION	INVERT** ELEVATION	DEPTH*** FT
0010																								
	1.0	54+82	120.4' LT	RIVER-NB_01	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1		879.22	
	1.1	144+05	32.2' RT	STH19-EB_01	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	1	885.32	879.58	4.94
	1.2	143+92	1.5' LT	STH19-EB_01	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	1	885.58	879.94	4.85
	1.3	143+81	52.9' LT	STH19-EB_01	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	1	885.63	880.97	3.83
	2.0	53+07	40.7' LT	RIVER-NB_01	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1		875.89	
	2.1	53+08	11' LT	RIVER-NB_01	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	1	880.49	876.04	3.62
	2.2	53+08	2.5' LT	RIVER-NB_01	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	1	880.42	876.08	3.51
	3.0	146+26	77.3' RT	STH19-EB_02	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1		869.36	
	3.1	54+99	31.2' RT	RIVER-NB_01	-	-	-	-	-	-	1	-	-	-	1	-	-	-	-	-	1	882.56	870.97	10.64
	3.2	54+68	92.5' LT	RIVER-NB_01	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1		874.70	
	3.3	54+13	18.7' RT	RIVER-NB_01	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	1	881.38	876.45	4.09
	3.4	54+12	27.9' RT	RIVER-NB_01	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	1	881.14	876.54	3.76
	3.5	12+83	1.5' LT	CENTER_ROUNDABOUT	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1	881.78	874.27	6.63
	3.6	13+18	1.5' LT	CENTER_ROUNDABOUT	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1	881.57	874.61	6.09
	3.7	146+04	32.8' LT	STH19-EB_02	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	1	881.69	875.40	5.46
	4.0	57+17	65' RT	RIVER-NB_02	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1		873.03	
	4.1	57+59	44.2' LT	RIVER-NB_02	-	-	-	-	-	-	1	-	-	-	1	-	-	-	-	-	1	883.10	873.27	8.85
	4.2	57+54	141.3' LT	RIVER-NB_02	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1		873.47	
	4.3	57+91	38.4' LT	RIVER-NB_02	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	1	881.78	876.33	4.66
	4.4	57+92	47' LT	RIVER-NB_02	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	1	881.99	876.91	4.24
	5.0	59+34	28.3' RT	RIVER-NB_02	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1		871.55	
	5.1	59+36	0.8' LT	RIVER-NB_02	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	1	876.02	871.84	3.35
	5.2	59+37	10.6' LT	RIVER-NB_02	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	1	876.15	871.94	3.38
	6.0	159+00	61.4' RT	STH19-EB_02	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1		864.65	
	6.1	159+00	23.6' LT	STH19-EB_02	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	1	1	868.18	864.90	3.57
	6.2	159+00	97.4' LT	STH19-EB_02	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1		865.12	
	7.0	163+77	56.7' RT	STH19-EB_02	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1		866.97	
	7.1	163+78	4.8' LT	STH19-EB_02	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	1	873.23	867.44	5.00
	8.0	168+52	82.7' RT	STH19-EB_02	-	-	-	-	-	-	1	-	-	-	-	1	-	-	-	-	1	874.70	864.40	9.44
	8.1	168+65	21' LT	STH19-EB_02	-	-	-	-	-	-	1	-	-	-	-	1	-	-	-	-	1	875.79	865.97	8.95
	8.2	168+97	111.4' LT	STH19-EB_02	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1		867.41	
	8.7	167+33	82' RT	STH19-EB_02	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1		866.55	
	8.8	168+81	86.6' RT	STH19-EB_02	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1		865.00	
	CC1	168+50	91.5' RT	STH19-EB_02	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1		864.34	
	10.0	172+25	59.1' RT	STH19-EB_02	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1		868.90	
	10.1	172+25	28.5' LT	STH19-EB_02	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	1	875.89	870.22	4.88
	11.0	176+00	53.9' RT	STH19-EB_02	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1		869.46	
	11.1	176+00	23.2' LT	STH19-EB_02	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	1	1	872.16	869.85	2.52
	12.0	180+40	52.1' RT	STH19-EB_02	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1		874.04	
	12.1	180+75	25' LT	STH19-EB_02	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	1	876.46	874.30	2.37
	14.0	189+47	51' RT	STH19-EB_02	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1		875.21	
	14.1	189+51	20.6' LT	STH19-EB_02	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	1	1	877.79	875.50	2.50
				CATEGORY 0010 SUBTOTALS	1	3	6	3	4	1	4	14	7	2	2	2	2	14	1	3	42			

CONTINUED ON NEXT PAGE

STORM SEWER STRUCTURES

CAT	STRUCTURE	STATION	OFFSET*	LOCATION	520.8000 *Concrete Collars for Pipe EACH	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	522.1042 Apron Endwalls for Culvert Pipe Reinforced Concrete 42-Inch EACH	611.0530 Manhole Covers Type J EACH	611.0624 Inlet Covers Type H EACH	611.0642 Inlet Covers Type MS EACH	611.0652 Inlet Covers Type T EACH	611.2006 Manholes 6-FT Diameter EACH	611.2008 Manholes 8-FT Diameter EACH	611.3225 Inlets 2x2.5-FT EACH	611.3230 Inlets 2x3-FT EACH	611.3901 Inlets Median 1 Grate EACH	611.3902 Inlets Median 2 Grate EACH	650.4000 *Construction Staking Storm Sewer EACH	RIM ELEVATION	INVERT** ELEVATION	DEPTH*** FT
0050																								
	7.2	163+78	13.2' LT	STH19-EB_02	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	1	873.25	868.00	4.41
	7.3	163+78	36.8' LT	STH19-EB_02	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	1	873.02	868.18	4.02
	8.3	168+95	13.3' LT	STH19-EB_02	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	1	875.84	870.67	4.34
	8.4	168+53	29.5' LT	STH19-EB_02	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	1	875.73	870.51	4.39
	8.5	168+53	44.5' LT	STH19-EB_02	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	1	875.82	870.66	4.33
	8.6	168+95	4.9' LT	STH19-EB_02	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	1	875.81	870.75	4.23
	9.0	303+00	65.1' RT	TIERNEY-TC	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1		867.80	
	9.1	303+20	29.7' RT	TIERNEY-TC	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	-	1	873.71	867.97	4.79
	9.2	303+20	15.9' LT	TIERNEY-TC	-	-	-	-	-	-	1	-	-	-	1	-	-	-	-	-	1	874.24	868.15	5.10
	9.3	303+20	45.5' LT	TIERNEY-TC	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	1	873.62	869.09	3.69
	9.4	303+50	45.5' LT	TIERNEY-TC	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	1	873.48	869.39	3.25
	9.5	303+50	27.1' RT	TIERNEY-TC	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	1	873.59	868.86	3.90
	CC2	303+53	16.1' LT	TIERNEY-TC	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1		868.34	
	10.2	172+25	45.4' LT	STH19-EB_02	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	1	875.94	870.97	4.14
	13.0	1+70	53.3' LT	CASHEL -CW	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1		873.60	
	13.1	1+70	21.2' LT	CASHEL -CW	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	1	878.51	874.13	3.59
	13.2	1+70	32.3' RT	CASHEL -CW	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	1	878.60	875.01	2.79
	13.3	1+66	61.2' RT	CASHEL -CW	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1		875.49	
	13.4	2+00	18' LT	CASHEL -CW	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	1	878.28	874.78	2.67
	13.5	2+00	26.3' RT	CASHEL -CW	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	1	878.19	875.66	1.69
				0050 CATEGORY SUBTOTALS	1	0	2	0	1	0	1	15	0	0	2	0	0	14	0	0	20			
				PROJECT TOTALS	**2**	**3**	**8**	**3**	**5**	**1**	**5**	**29**	**7**	**2**	**4**	**2**	**2**	**28**	**1**	**3**	**62**			

REMARKS
* STATIONS AND OFFSETS ARE TO CENTER OF STRUCTURE
** FOR STRUCTURES WITH SUMPS, THE INVERT ELEVATION IS THE ELEVATION OF THE SUMP. FOR STRUCTURES WITHOUT SUMPS, THE INVERT ELEVATION IS THE ELEVATION OF THE LOWEST PIPE FLOW LINE
*** DEPTH = RIM ELEV - TOP OF STRUCTURE BASE ELEV - COVER HEIGHT - 6 -INCH ADJUSTMENT RING HEIGHT
* ADDITIONAL QUANTITIES LISTED ELSEWHERE

MINOR SIDE ROAD, PRIVATE ENTRANCE, AND SLOPE DRAINS

CAT	STATION	LOCATION	520.3315 Culvert Pipe Class III-A 15-Inch LF	520.3318 Culvert Pipe Class III-A 18-Inch LF	522.2324 Culvert Pipe Reinforced Concrete Horizontal Elliptical Class HE-III 24x38-Inch LF	520.1015 Apron Endwalls for Culvert Pipe 15-Inch EACH	520.1018 Apron Endwalls for Culvert Pipe 18-Inch EACH	521.1518 Apron Endwalls for Culvert Pipe Sloped Side Drains Steel 18-Inch 6 to 1 EACH	522.2624 Apron Endwalls for Culvert Pipe Reinforced Concrete Horizontal Elliptical 24x38-Inch EACH	633.5200 Marking Culvert Ends EACH	650.6000 ***Construction Staking Pipe Culvert EACH	ALUMINUM THICKNESS (INCHES)	STEEL THICKNESS (INCHES)	*JOINT TIES EACH	**ELEVATIONS INLET	OUTLET
0010																
	59+71, RT	RIVER ROAD NB	-	28	-	-	2	-	-	2	1	0.06	0.064	-	870.81	870.07
	60+34, RT	RIVER ROAD NB	-	28	-	-	2	-	-	2	1	0.06	0.064	-	869.07	868.31
	61+02, LT	RIVER ROAD NB	-	36	-	-	2	-	-	2	1	0.0600	0.0640	-	867.75	867.27
	62+00	RIVER ROAD NB	-	-	61	-	-	-	2	2	1	-	-	6	866.05	864.83
	62+08	RIVER ROAD NB	-	-	61	-	-	-	2	2	1	-	-	6	866.05	864.83
	62+50, LT	RIVER ROAD NB	-	38	-	-	2	-	-	2	1	0.06	0.064	-	867.55	866.68
	156+83, RT	STH 19 EB	27	-	-	2	-	-	-	2	1	0.06	0.064	-	864.00	863.86
	160+36, LT	STH 19 WB	-	38	-	-	-	2	-	2	1	0.06	0.064	-	867.08	866.65
		PROJECT TOTALS	**27**	**168**	**122**	**2**	**8**	**2**	**4**	**16**	**8**					

* NON-BID ITEM: FOR INFORMATION ONLY
** PIPE INVERT AT END OF PIPE: FOR INFORMATION ONLY. FIELD VERIFY
*** ADDITIONAL QUANTITIES LISTED ELSEWHERE

STORM SEWER PIPES

CAT	FROM	-	TO	LOCATION	608.0312 Storm Sewer Pipe Reinforced Concrete Class III 12-Inch LF	608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch LF	608.0324 Storm Sewer Pipe Reinforced Concrete Class III 24-Inch LF	608.0330 Storm Sewer Pipe Reinforced Concrete Class III 30-Inch LF	608.0342 Storm Sewer Pipe Reinforced Concrete Class III 42-Inch LF	JOINT TIES* EACH	INLET ELEVATION	DISCHARGE ELEVATION	SLOPE FT/FT
0010													
	1.1	-	1.0	STH19-EB_01	-	36	-	-	-	3	879.58	879.22	0.0100
	1.2	-	1.1	STH19-EB_01	-	35	-	-	-	-	879.94	879.58	0.0100
	1.3	-	1.2	STH19-EB_01	53	-	-	-	-	-	880.97	880.44	0.0100
	2.1	-	2.0	RIVER-NB_01	30	-	-	-	-	3	876.04	875.89	0.0050
	2.2	-	2.1	RIVER-NB_01	9	-	-	-	-	-	876.08	876.04	0.0050
	3.1	-	3.0	RIVER-NB_01	-	-	-	107	-	3	870.97	869.36	0.0150
	3.2	-	3.1	RIVER-NB_01	-	-	-	129	-	3	874.70	872.77	0.0150
	3.3	-	3.1	RIVER-NB_01	71	-	-	-	-	-	876.45	875.74	0.0100
	3.4	-	3.3	RIVER-NB_01	9	-	-	-	-	-	876.54	876.45	0.0100
	3.5	-	3.1	STH19-EB_02	-	81	-	-	-	-	874.27	873.46	0.0100
	3.6	-	3.5	STH19-EB_02	-	34	-	-	-	-	874.61	874.27	0.0100
	3.7	-	3.6	STH19-EB_02	23	-	-	-	-	-	875.40	875.11	0.0125
	4.1	-	4.0	RIVER-NB_02	-	-	114	-	-	3	873.27	873.03	0.0021
	4.2	-	4.1	RIVER-NB_02	-	-	97	-	-	3	873.47	873.27	0.0021
	4.3	-	4.1	RIVER-NB_02	-	34	-	-	-	-	876.33	875.99	0.0100
	4.4	-	4.3	RIVER-NB_02	9	-	-	-	-	-	876.91	876.83	0.0100
	5.1	-	5.0	RIVER-NB_02	29	-	-	-	-	3	871.84	871.55	0.0100
	5.2	-	5.1	RIVER-NB_02	10	-	-	-	-	-	871.94	871.84	0.0100
	6.1	-	6.0	STH19-EB_02	-	-	-	85	-	3	864.90	864.65	0.0030
	6.2	-	6.1	STH19-EB_02	-	-	-	74	-	3	865.12	864.90	0.0030
	7.1	-	7.0	STH19-EB_02	-	62	-	-	-	3	867.44	866.97	0.0075
	7.2	-	7.1	STH19-EB_02	8	-	-	-	-	-	868.00	867.94	0.0075
	8.0	-	CC1	LIUNA-LWS	-	-	-	-	9	-	864.40	864.34	0.0067
	8.1	-	8.0	STH19-EB_02	-	-	-	-	105	-	865.97	864.40	0.0150
	8.2	-	8.1	STH19-EB_02	-	-	-	-	96	3	867.41	865.97	0.0150
	8.7	-	8.0	LIUNA-LWS	119	-	-	-	-	3	866.55	865.72	0.0070
	8.8	-	8.0	LIUNA-LWS	-	-	30	-	-	3	865.00	864.71	0.0100
	10.1	-	10.0	STH19-EB_02	-	88	-	-	-	3	870.22	868.90	0.0150
	11.1	-	11.0	STH19-EB_02	-	77	-	-	-	3	869.85	869.46	0.0050
	12.1	-	12.0	STH19-EB_02	-	85	-	-	-	3	874.30	874.04	0.0030
	14.1	-	14	STH19-EB_02	-	72	-	-	-	3	875.50	875.21	0.0040
			0010 CATEGORY SUBTOTALS		370	604	241	395	210				
0050													
	7.3	-	7.2	STH19-EB_02	24	-	-	-	-	-	868.18	868.00	0.0075
	8.3	-	8.1	STH19-EB_02	31	-	-	-	-	-	870.67	870.36	0.0100
	8.4	-	8.1	STH19-EB_02	15	-	-	-	-	-	870.51	870.36	0.0100
	8.5	-	8.4	STH19-EB_02	15	-	-	-	-	-	870.66	870.51	0.0100
	8.6	-	8.3	STH19-EB_02	8	-	-	-	-	-	870.75	870.67	0.0100
	9.1	-	9.0	TIERNEY-TC	-	-	-	41	-	3	867.97	867.80	0.0040
	9.2	-	9.1	TIERNEY-TC	-	-	-	46	-	-	868.15	867.97	0.0040
	9.3	-	9.2	TIERNEY-TC	30	-	-	-	-	-	869.09	868.79	0.0100
	9.4	-	9.3	TIERNEY-TC	30	-	-	-	-	-	869.39	869.09	0.0100
	9.5	-	9.1	TIERNEY-TC	30	-	-	-	-	-	868.86	868.71	0.0050
	10.2	-	10.1	STH19-EB_02	17	-	-	-	-	-	870.97	870.72	0.0150
	13.1	-	13.0	CASHEL -CW	-	32	-	-	-	3	874.13	873.60	0.0165
	13.2	-	13.1	CASHEL -CW	-	54	-	-	-	-	875.01	874.13	0.0165
	13.3	-	13.2	CASHEL -CW	-	29	-	-	-	3	875.49	875.01	0.0165
	13.4	-	13.1	CASHEL -CW	30	-	-	-	-	-	874.78	874.63	0.0050
	13.5	-	13.2	CASHEL -CW	30	-	-	-	-	-	875.66	875.51	0.0050
	CC2	-	9.2	TIERNEY-TC	-	-	33	-	-	-	868.34	868.15	0.0058
			0050 CATEGORY SUBTOTALS		260	115	33	87	0				
			PROJECT TOTALS		**630**	**719**	**274**	**482**	**210**				

* NON-BID ITEM: FOR INFORMATION ONLY

3

MISCELLANEOUS ITEMS

PROJECT NUMBER	CAT	STA - STA	213.0100 FINISHING ROADWAY (5290-00-72) EACH	618.0100 MAINTENANCE AND REPAIR OF HAUL ROADS (5290-00-72) EACH	619.1000 MOBILIZATION EACH
5290-00-72	0010	PROJECT LIMITS	1	0.70	0.70
5290-00-72	0020	PROJECT LIMITS	-	0.15	0.15
5290-00-72	0030	PROJECT LIMITS	-	0.15	0.15
5290-00-72	0040	PROJECT LIMITS	-	-	-
5290-00-72	0050	PROJECT LIMITS	-	-	-
		PROJECT TOTAL	**1**	**1**	**1**

TRAFFIC CONTROL AND FIELD OFFICE

PROJECT NUMBER	CAT	STA - STA	642.5401 FIELD OFFICE TYPE D EACH	643.5000 TRAFFIC CONTROL EACH
5290-00-72	0010	PROJECT LIMITS	0.70	0.70
5290-00-72	0020	PROJECT LIMITS	0.15	0.15
5290-00-72	0030	PROJECT LIMITS	0.15	0.15
5290-00-72	0040	PROJECT LIMITS	-	-
5290-00-72	0050	PROJECT LIMITS	-	-
		PROJECT TOTAL	**1**	**1**

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CONSTRUCTION STAKING

PROJECT NUMBER	CAT	STA - STA	650.6500.01 CONSTRUCTION STAKING STRUCTURAL LAYOUT (B-13-0794) LS	650.6500.02 CONSTRUCTION STAKING STRUCTURAL LAYOUT (B-13-0795) LS	650.6500.03 CONSTRUCTION STAKING STRUCTURAL LAYOUT (S-13-498) LS	650.6500.05 CONSTRUCTION STAKING STRUCTURAL LAYOUT (S-13-500) LS	650.9910 CONSTRUCTION STAKING SUPPLEMENTAL CONTROL (5290-00-72) LS
5290-00-72	0010	PROJECT LIMITS	-	-	-	-	1
5290-00-72	0020	PROJECT LIMITS	1	-	-	-	-
5290-00-72	0030	PROJECT LIMITS	-	1	-	-	-
5290-00-72	0040	PROJECT LIMITS	-	-	1	1	-
		PROJECT TOTAL	**1**	**1**	**1**	**1**	**1**

CONSTRUCTION STAKING

CAT	STA	TO	STA	ALIGN	650.4500 CONSTRUCTION STAKING SUBGRADE LF	650.5000 CONSTRUCTION STAKING BASE LF	650.7000 CONSTRUCTION STAKING CONCRETE PAVEMENT LF	650.9920 CONSTRUCTION STAKING SLOPE STAKES LF	COMMENTS
0010									
	231+97	-	244+76	TEB1	1279	1279	-	-	TEMPORARY WIDENING WB LANE
	134+80	-	144+20	WB	940	940	-	940	
	142+67	-	144+25	WB	-	-	158	-	
	231+38	-	244+22	TEB2	1284	1284	-	-	TEMPORARY WIDENING EB LANE
	134+80	-	144+02	EB	922	922	-	922	
	142+47	-	144+05	EB	-	-	158	-	
	49+90	-	54+98	RNB	508	508	-	508	
	52+83	-	55+04	RNB	-	-	221	-	
	49+90	-	55+10	RSB	520	520	-	520	
	52+83	-	55+09	RSB	-	-	226	-	
	10+00	-	14+22	CR	422	422	422	422	
	56+92	-	59+64	RNB	-	-	272	-	
	56+92	-	63+10	RNB	618	618	-	618	
	56+96	-	59+64	RSB	-	-	268	-	
	56+96	-	63+10	RSB	614	614	-	614	
	145+79	-	154+16	EB	837	837	837	837	
	146+08	-	154+32	WB	824	824	824	824	
	155+77	-	194+00	EB	3823	3823	3823	3823	
	155+92	-	194+55	WB	3863	3863	3863	3863	
	7+65	-	10+00	LWS	235	235	-	235	
	9+14	-	9+64	LWS	-	-	50	-	
	10+00	-	11+18	CW	118	118	-	118	
	10+26	-	10+82	CW	-	-	56	-	
	7+97	-	10+00	LES	203	203	-	203	
	9+02	-	9+64	LES	-	-	62	-	
	154+83	-	168+30	YA	1347	1347	-	1347	
		CATEGORY 0010 SUBTOTAL			18357	18357	11240	15794	
0050									
	247+23	-	251+11	TEB3	388	388	-	-	TEMPORARY MEDIAN SINGLE LANE CROSSOVER
	256+70	-	260+96	TEB1	426	426	-	-	TEMPORARY MEDIAN CROSSOVER
	257+26	-	260+87	TEB2	361	361	-	-	TEMPORARY MEDIAN SINGLE LANE CROSSOVER
	302+10	-	304+12	TC	202	202	-	202	
	302+36	-	302+96	TC	-	-	60	-	
	302+10	-	304+37	TCS	227	227	-	227	
	302+36	-	302+96	TCS	-	-	60	-	
	273+50	-	278+39	TEB1	489	489	-	-	TEMPORARY MEDIAN CROSSOVER
	272+64	-	275+76	TEB2	312	312	-	-	TEMPORARY MEDIAN SINGLE LANE CROSSOVER
	188+14	-	194+69	WB	655	655	-	-	TEMPORARY MEDIAN CROSSOVER
	292+00	-	294+63	TEB2	263	263	-	-	TEMPORARY MEDIAN SINGLE LANE CROSSOVER
		CATEGORY 0050 SUBTOTAL			3323	3323	120	429	
			PROJECT TOTAL		**21680**	**21680**	**11360**	**16223**	

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LIGHTING REMOVALS

CAT	STA	OFFSET	ALIGN	204.0195 REMOVING CONCRETE BASES* EACH	204.9060.S.02 REMOVING LIGHTING UNITS EACH
0010					
	10+71	20' RT	CR	1	1
	11+85	12' RT	CR	1	1
	13+10	0' RT	CR	1	1
	14+10	55' RT	CR	1	1
	CATEGORY 0010 SUBTOTAL			4	4
	PROJECT TOTAL			**4**	**4**

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

REMOVING PULL BOXES

CAT	STA	OFFSET	ALIGN	653.0905* REMOVING PULL BOXES EACH
0010				
	10+22	2' LT	CR	1
	10+51	13' RT	CR	1
	11+09	25'RT	CR	1
	11+69	3'RT	CR	1
	12+60	38'LT	CR	1
	12+94	11' LT	CR	1
	13+47	35' RT	CR	1
	13+94	34' RT	CR	1
	CATEGORY 0010 SUBTOTAL			8
	PROJECT TOTAL			**8**

***ADDITIONAL QUANTITIES LISTED ELSEWHERE**

CONDUIT AND ELECTRICAL WIRE LIGHTING

CAT	FROM	TO	652.0225* CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	655.0620 ELECTRIC WIRE LIGHTING 8 AWG LF
0010				
	LCC	PB-1	15	135
	PB-1	PB-2	15	225
	PB-2	PB-3	52	310
	PB-3	2	177	561
	2	1	216	678
	1	STUB	10	-
	PB-3	PB-4	53	189
	PB-4	3	7	51
	3	4	102	336
	4	PB-5	33	129
	PB-5	PB-6	121	393
	PB-6	6	134	432
	6	5	180	570
	5	STUB	10	-
	PB-6	7	9	95
	7	8	96	318
	8	PB-7	34	-
	PB-7	PB-8	65	-
	PB-8	9	159	507
	9	10	210	660
	10	STUB	10	-
	PB-8	PB-9	44	162
	PB-9	11	20	90
	11	12	94	312
	12	PB-10	52	186
	PB-10	PB-11	90	300
	PB-11	14	10	100
	14	15	143	459
	15	16	155	495
	16	STUB	10	-
	PB-11	13	85	475
	13	PB-2	40	250
CATEGORY 0010 SUBTOTAL			2451	8418
PROJECT TOTAL			**2451**	**8418**

***ADDITIONAL QUANTITIES LISTED ELSEWHERE**

REMOVING LIGHTING CONTROL CABINETS

CAT	STA	OFFSET	ALIGN	204.9060.S.01 REMOVING LIGHT CONTROL CABINETS EACH
0010				
	10+40	40' RT	CR	1
	CATEGORY 0010 SUBTOTAL			1
	PROJECT TOTAL			**1**

CONSTRUCTION STAKING ELECTRICAL INSTALLATIONS

CAT	LOCATION	650.8500 CONSTRUCTION STAKING ELECTRICAL INSTALLATIONS LS
0010		
	PROJECT LIMITS (5290-00-02)	1
	CATEGORY 0010 SUBTOTAL	1
	PROJECT TOTAL	**1**

LIGHTING CONTROL CABINET AND BASES

CAT	STATION	OFFSET	ALIGN	DESCRIPTION	654.0224 CONCRETE CONTROL CABINET BASES TYPE L24 EACH	656.0200 ELECTRICAL SERVICE METER BREAKER PEDESTAL (LCC) LS	659.2124 LIGHTING CONTROL CABINETS 120/240 24-INCH EACH
0010							
	143+83	47.7' LT	WB	LCC	1	1	1
	CATEGORY 0010 SUBTOTAL				1	1	1
	PROJECT TOTAL				**1**	**1**	**1**

PULL BOXES NON-CONDUCTIVE 24X42-INCH

CAT	STATION	OFFSET	ALIGN	NAME	653.0154* PULL BOXES NON-CONDUCTIVE 24X36-INCH EACH	653.0164 PULL BOXES NON-CONDUCTIVE 24X42-INCH EACH	653.0900 ADJUSTING PULL BOXES EACH
0010							
	143+74	47.3' LT	WB	PB-1	-	1	-
	143+72	31.6' LT	WB	PB-2	-	1	-
	143+50	16.8' LT	EB	PB-3	-	1	-
	143+45	36.2' RT	EB	PB-4	1	-	1
	54+63	26.0' LT	SB	PB-5	-	1	-
	54+27	66.4' RT	NB	PB-6	-	1	-
	146+39	31.4' RT	EB	PB-7	-	1	-
	146+62	18.5' LT	EB	PB-8	-	1	-
	146+84	33.7' LT	WB	PB-9	-	1	-
	57+57	24.0' RT	NB	PB-10	-	1	-
	57+60	64.6' LT	SB	PB-11	-	1	-
		CATEGORY 0010 SUBTOTAL			1	10	1
		PROJECT TOTAL			**1**	**10**	**1**

***ADDITIONAL QUANTITIES LISTED ELSEWHERE**

LIGHTING UNITS AND ELECTRICAL WIRE LIGHTING

CAT	POLE NUMBER	STA	OFFSET	ALIGN	655.0610 ELECTRICAL WIRE LIGHTING 12 AWG LF	657.0255 TRANSFORMER BASES BREAKAWAY 11 1/2-INCH BOLT CIRCLE EACH	657.0327 POLES TYPE 6 - ALUMINUM EACH	657.0715 LUMINAIRE ARMS TRUSS TYPE 4 1/2-INCH CLAMP 15-FT EACH	659.1125 LUMINAIRES UTILITY LED C EACH
0010									
	1	139+62	8.6' LT	EB	310	1	1	2	2
	2	141+78	14.8' LT	EB	310	1	1	2	2
	3	143+58	36.0' RT	EB	186	1	1	1	1
	4	54+97	27.0' LT	SB	186	1	1	1	1
	5	51+26	24.0' RT	NB	186	1	1	1	1
	6	53+06	38.9' RT	NB	186	1	1	1	1
	7	54+36	70.1' RT	NB	186	1	1	1	1
	8	146+06	35.1' RT	EB	186	1	1	1	1
	9	148+20	20.4' LT	EB	310	1	1	2	2
	10	150+30	24.7' LT	EB	310	1	1	2	2
	11	146+56	36.0' LT	WB	186	1	1	1	1
	12	56+96	27.1' RT	NB	186	1	1	1	1
	13	144+12	36.3' LT	WB	186	1	1	1	1
	14	57+67	60.5' LT	SB	186	1	1	1	1
	15	59+10	32.5' LT	SB	186	1	1	1	1
	16	60+65	24.0' LT	SB	186	1	1	1	1
		CATEGORY 0010 SUBTOTAL			3472	16	16	20	20
			PROJECT TOTAL		**3472**	**16**	**16**	**20**	**20**

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CONCRETE BASES TYPE 6

CAT	STATION	OFFSET	ALIGN	POLE NUMBER	654.0106 CONCRETE BASES TYPE 6 EACH
0010					
	139+62	8.6' LT	EB	1	1
	141+78	14.8' LT	EB	2	1
	143+58	36.0' RT	EB	3	1
	54+97	27.0' LT	SB	4	1
	51+26	24.0' RT	NB	5	1
	53+06	38.9' RT	NB	6	1
	54+36	70.1' RT	NB	7	1
	146+06	35.1' RT	EB	8	1
	148+20	20.4' LT	EB	9	1
	150+30	24.7' LT	EB	10	1
	146+56	36.0' LT	WB	11	1
	56+96	27.1' RT	NB	12	1
	144+12	36.3' LT	WB	13	1
	57+67	60.5' LT	SB	14	1
	59+10	32.5' LT	SB	15	1
	60+65	24.0' LT	SB	16	1
		CATEGORY 0010 SUBTOTAL			16
		PROJECT TOTAL			**16**

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CONCRETE BASES

BASE NO.	STATION	OFFSET	654.0101 CONCRETE BASES TYPE 1 EACH	654.0102 CONCRETE BASES TYPE 2 EACH	654.0110 CONCRETE BASES TYPE 10 EACH	654.0113 CONCRETE BASES TYPE 13 EACH	654.0217 CONCRETE CONTROL CABINET BASES TYPE 9 SPECIAL EACH
INTERSECTION: STH 19 & LIUNA WAY/TIERNEY CT							
CABINET	167+47 WB	72' LT	---	---	---	---	1
SB1	167+61 WB	68' LT	1	---	---	---	---
SB2	168+13 WB	67' LT	---	1	---	---	---
SB3	168+64 WB	66' LT	---	---	---	1	---
SB4	168+82 WB	49' LT	1	---	---	---	---
SB5	168+82 WB	13' RT	---	---	1	---	---
SB6	169+03 EB	9' LT	---	1	---	---	---
SB7	168+82 EB	49' RT	---	---	---	1	---
SB8	168+39 EB	71' RT	1	---	---	---	---
SB9	167+64 EB	63' RT	---	---	---	1	---
SB10	167+34 EB	44' RT	1	---	---	---	---
SB11	167+34 EB	9' LT	---	---	1	---	---
SB12	167+21 WB	9' RT	---	1	---	---	---
SB13	167+35 WB	47' LT	---	---	---	1	---
		TOTAL	**4**	**3**	**2**	**4**	**1**

UNLESS OTHERWISE NOTED, ALL QUANTITIES ON THIS SHEET ARE CATEGORY 0050

PULL BOXES NON-CONDUCTIVE

PB NO.	STATION	OFFSET	653.0154* 24x36-INCH EACH	653.0164 24x42-INCH EACH
INTERSECTION: STH 19 & LIUNA WAY/TIERNEY CT				
PB1	167+68 WB	78' LT	---	1
PB2	167+68 WB	88' LT	1	---
PB3	168+13 WB	77' LT	---	1
PB4	168+57 WB	77' LT	---	1
PB5	168+90 WB	49' LT	---	1
PB6	171+36 WB	46' LT	1	---
PB7	173+36 WB	44' LT	1	---
PB8	168+89 WB	13' RT	---	1
PB9	171+36 WB	14' RT	1	---
PB10	168+60 EB	48' RT	---	1
PB11	168+37 EB	89' RT	---	1
PB12	167+28 EB	47' RT	---	1
PB13	165+81 EB	47' RT	1	---
PB14	163+06 EB	36' RT	1	---
PB15	167+28 EB	9' LT	---	1
PB16	167+12 EB	9' LT	1	---
PB17	165+81 EB	9' LT	1	---
PB18	167+50 WB	52' LT	---	1
COMMUNICATION PULL BOXES				
IC-PB1	176+37 WB	41' LT	1	---
IC-PB2	179+38 WB	40' LT	1	---
IC-PB3	182+36 WB	43' LT	1	---
IC-PB4	185+37 WB	38' LT	1	---
IC-PB5	188+37 WB	36' LT	1	---
IC-PB6	191+36 WB	36' LT	1	---
		TOTAL	**14**	**10**

* ADDITIONAL QUANTITIES ELSEWHERE

UNLESS OTHERWISE NOTED, ALL QUANTITIES ON THIS SHEET ARE CATEGORY 0050

3

PEDESTRIAN BUTTON CABLE

FROM	TO	SLACK PER PB & CB LF	655.0700* LOOP DETECTOR LEAD-IN CABLE LF
INTERSECTION: STH 19 & LIUNA WAY/TIERNEY CT			
CAB	SB1	16	49
SB1	BUTTON	16	6
CAB	SB2	16	109
SB2	BUTTON	16	6
CAB	SB3	16	172
SB3	BUTTON	16	6
CAB	SB4	16	227
SB4	BUTTON	16	6
CAB	SB5	16	303
SB5	BUTTON	16	6
CAB	SB7	16	409
SB7	BUTTON	16	6
	TOTAL		**1305**

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

UNLESS OTHERWISE NOTED, ALL QUANTITIES ON THIS SHEET ARE CATEGORY 0050

3

CONDUIT

FROM	TO	652.0225* CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	652.0235* CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH LF	652.0700.S INSTALL CONDUIT INTO EXISTING ITEM EACH
INTERSECTION: STH 19 & LIUNA WAY/TIERNEY CT				
CABINET	PB1	---	63	---
CABINET	PB18	---	63	---
PB1	PB3	---	90	---
PB1	PB2	11	---	---
PB3	PB4	---	90	---
PB4	PB5	---	90	---
PB5	PB6	145	---	---
PB6	PB7	301	---	---
PB5	PB8	---	122	---
PB8	PB9	150	---	---
PB8	PB10	---	180	---
PB10	PB11	---	94	---
PB10	PB12	---	264	---
PB12	PB13	146	---	---
PB13	PB14	276	---	---
PB12	PB15	---	112	---
PB15	PB16	16	---	---
PB16	PB17	135	---	---
PB15	PB18	---	192	---
PB1	SB1	12	---	---
PB3	SB2	10	---	---
PB4	SB3	13	---	---
PB5	SB4	8	---	---
PB8	SB5	5	---	---
PB8	SB6	32	---	---
PB10	SB7	22	---	---
PB11	SB8	28	---	---
PB12	SB9	---	39	---
PB12	SB10	8	---	---
PB15	SB11	5	---	---
PB15	SB12	33	---	---
PB18	SB13	---	17	---
	SUBTOTAL	**1356**	**1416**	**0**

CONDUIT 'CONT.'

FROM	TO	652.0225* CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	652.0235* CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH LF	652.0700.S INSTALL CONDUIT INTO EXISTING ITEM EACH
COMMUNICATION CONDUIT				
PB7	IC-PB1	300	---	---
IC-PB1	IC-PB2	301	---	---
IC-PB2	IC-PB3	298	---	---
IC-PB3	IC-PB4	300	---	---
IC-PB4	IC-PB5	300	---	---
IC-PB5	IC-PB6	300	---	---
IC-PB6	EX-PB1	285	---	1
	SUBTOTAL	**2084**	**0**	**1**
	TOTAL	**3440**	**1416**	**1**

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UNLESS OTHERWISE NOTED, ALL QUANTITIES ON THIS SHEET ARE CATEGORY 0050

3

SIGNAL CABLE

FROM	TO	655.0230 5-14 AWG LF	655.0240 CABLE TRAFFIC SIGNAL 7-14 AWG LF	655.0250 9-14 AWG LF	655.0270 15-14 AWG LF
INTERSECTION: STH 19 & LIUNA WAY/TIERNEY CT					
CABINET	SB1	---	---	39	---
SB1	FACE 16	21	---	---	---
SB1	FACE 91	18	---	---	---
CABINET	SB2	---	---	89	---
SB2	FACE 19	---	22	---	---
CABINET	SB3	---	---	142	---
SB3	FACE 14	54	---	---	---
SB3	FACE 15	66	---	---	---
SB3	FACE 92	18	---	---	---
CABINET	SB4	---	187	---	---
SB4	FACE 7	21	---	---	---
SB4	FACE 93	18	---	---	---
CABINET	SB5	253	---	---	---
SB5	FACE 6	34	---	---	---
CABINET	SB6	273	---	---	---
SB6	FACE 10	26	---	---	---
CABINET	SB7	---	---	359	---
SB7	FACE 2	62	---	---	---
SB7	FACE 3	50	---	---	---
SB7	FACE 94	18	---	---	---
CABINET	SB8	---	408	---	---
SB8	FACE 13	21	---	---	---
SB8	FACE 20	---	21	---	
CABINET	SB9	---	---	---	229
SB9	FACE 17	41	---	---	---
SB9	FACE 18	26	---	---	---
SB9	FACE 21	63	---	---	---
CABINET	SB10	---	194	---	---
SB10	FACE 1	21	---	---	---
SB10	FACE 11	21	---	---	---
CABINET	SB11	132	---	---	---
SB11	FACE 12	38	---	---	---
CABINET	SB12	160	---	---	---
SB12	FACE 4	26	---	---	---
CABINET	SB13	---	43	---	---
SB13	FACE 8	65	---	---	---
SB13	FACE 9	53	---	---	---
	TOTAL	**1599**	**875**	**629**	**229**

UNLESS OTHERWISE NOTED, ALL QUANTITIES ON THIS SHEET ARE CATEGORY 0050

EQUIPMENT GROUNDING CONDUCTORS & PULL BOX JUMPERS

FROM	TO	655.0515 ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG LF	LF
INTERSECTION: STH 19 & LIUNA WAY/TIERNEY CT			
EQUIPMENT GROUNDING CONDUCTORS			
		(GREEN)	(WHITE)
CABINET	SB1	43	43
SB1	SB2	87	87
SB2	SB3	88	88
SB3	SB4	85	85
SB4	SB5	97	97
SB5	SB6	45	45
SB6	SB7	160	160
SB7	SB8	117	117
SB8	SB9	276	276
SB9	SB10	58	58
SB10	SB11	90	90
SB11	SB12	48	48
SB12	SB13	165	165
SB13	CABINET	47	47
PULL BOX BONDING JUMPERS			
		(GREEN)	(WHITE)
PB1	CABINET	31	31
PB18	CABINET	31	31
PB3	SB2	20	20
PB4	SB3	24	24
PB5	SB4	18	18
PB8	SB5	17	17
PB10	SB7	32	32
PB11	SB8	38	38
PB12	SB10	18	18
PB15	SB11	16	16
PB18	SB13	27	27
	SUBTOTAL	1678	1678
	TOTAL	**3356**	

UNLESS OTHERWISE NOTED, ALL QUANTITIES ON THIS SHEET ARE CATEGORY 0050

LOOP DETECTORS

LOOP NO.	HOME RUN PB.	LOCATION^	SIZE (FT. X	NO. OF TURNS	PAVEMENT	SDD INSTALLATION REFERENCE	652.0800* CONDUIT LOOP DETECTOR LF	655.0700* LOOP DETECTOR LEAD-IN CABLE LF	655.0800 LOOP DETECTOR WIRE LF
INTERSECTION: STH 19 & LIUNA WAY/TIERNEY CT									
11	PB16	167+35 EB 20' LT	6' X 20'	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2) SDD 9F15 SHEET B	68	150	172
12	PB16	167+09 EB 20' LT	6' X 20'	4	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2) SDD 9F15 SHEET B	68	150	224
13	PB16	167+35 EB 31' LT	6' X 20'	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2) SDD 9F15 SHEET B	90	150	194
14	PB16	167+09 EB 31' LT	6' X 20'	4	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2) SDD 9F15 SHEET B	90	150	246
15	PB17	165+81 EB 25' LT	6' X 20'	4	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2) SDD 9F15 SHEET B	82	287	238
21	PB6	173+36 WB 12' LT	6' X 20'	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2) SDD 9F15 SHEET B	100	391	204
22	PB7	173+16 WB 12' LT	6' X 20'	4	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2) SDD 9F15 SHEET B	100	638	256
41	PB2	167+80 WB 67' LT	6' X 20'	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2) SDD 9F15 SHEET B	74	27	178
42	PB2	167+80 WB 91' LT	6' X 20'	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2) SDD 9F15 SHEET B	74	27	178
51	PB8	168+83 EB 21' LT	6' X 20'	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2) SDD 9F15 SHEET B	90	246	194
52	PB8	169+09 EB 21' LT	6' X 20'	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2) SDD 9F15 SHEET B	102	246	206
53	PB9	170+35 EB 22' LT	6' X 20'	4	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2) SDD 9F15 SHEET B	78	400	234
61	PB13	165+81 EB 12' RT	6' X 20'	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2) SDD 9F15 SHEET B	98	342	202
62	PB14	163+06 EB 12' RT	6' X 20'	4	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2) SDD 9F15 SHEET B	82	623	238
71	PB2	167+91 WB 67' LT	6' X 20'	4	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2) SDD 9F15 SHEET B	94	27	250
72	PB2	167+91 WB 91' LT	6' X 20'	4	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2) SDD 9F15 SHEET B	94	27	250
73	PB3	168+02 WB 67' LT	6' X 20'	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2) SDD 9F15 SHEET B	76	27	180
74	PB3	168+02 WB 91' LT	6' X 20'	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2) SDD 9F15 SHEET B	82	27	186
81	PB11	168+24 EB 64' LT	6' X 20'	4	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2) SDD 9F15 SHEET B	74	356	230
82	PB11	168+24 EB 90' LT	6' X 20'	4	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2) SDD 9F15 SHEET B	74	356	230
83	PB11	168+12 EB 64' LT	6' X 20'	4	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2) SDD 9F15 SHEET B	96	356	252
84	PB11	168+12 EB 90' LT	6' X 20'	4	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2) SDD 9F15 SHEET B	96	356	252
						TOTAL	**1690**	**4647**	**4290**

^ LOCATION IS TO THE FRONT CENTER OF THE DETECTOR

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

UNLESS OTHERWISE NOTED, ALL QUANTITIES ON THIS SHEET ARE CATEGORY 0050

3

TRAFFIC SIGNAL BASES AND POLES

BASE NO.	657.0100 PEDESTAL BASES EACH	657.0255 TRANSFORMER BASES BREAKAWAY 11 1/2-INCH BOLT CIRCLE EACH	657.0315 POLES TYPE 4 EACH	657.0355 POLES TYPE 12 EACH	657.0360 POLES TYPE 13 EACH	657.0425 TRAFFIC SIGNAL STANDARD ALUMINUM 15-FOOT EACH	657.0540 MONOTUBE ARMS 40-FT EACH	657.0545 MONOTUBE ARMS 45-FT EACH
INTERSECTION: STH 19 & LIUNA WAY/TIERNEY CT								
SB1	1	---	---	---	---	1	---	---
SB2	---	1	1	---	---	---	---	---
SB3	---	---	---	1	---	---	---	1
SB4	1	---	---	---	---	1	---	---
SB5	1	---	---	---	---	1	---	---
SB6	---	1	1	---	---	---	---	---
SB7	---	---	---	1	---	---	---	1
SB8	1	---	---	---	---	1	---	---
SB9	---	---	---	---	1	---	1	---
SB10	1	---	---	---	---	1	---	---
SB11	1	---	---	---	---	1	---	---
SB12	---	1	1	---	---	---	---	---
SB13	---	---	---	1	---	---	---	1
TOTAL	**6**	**3**	**3**	**3**	**1**	**6**	**1**	**3**

UNLESS OTHERWISE NOTED, ALL QUANTITIES ON THIS SHEET ARE CATEGORY 0050

3

TRAFFIC SIGNAL FACES

SB NO.	FACE NO.	658.0173 TRAFFIC SIGNAL FACE 3S 12-INCH EACH	658.0174 TRAFFIC SIGNAL FACE 4S 12-INCH EACH	658.0416 PEDESTRIAN SIGNAL FACE 16-INCH EACH	658.0500 PEDESTRIAN PUSH BUTTON EACH
INTERSECTION: STH 19 & LIUNA WAY/TIERNEY CT					
SB1	16	1	--	--	--
	91	--	--	1	--
	BUTTON	--	--	--	1
SB2	19	1	---	--	--
	BUTTON	--	--	--	1
SB3	14	1	--	--	--
	15	1	--	--	--
	92	--	--	1	--
	BUTTON	--	--	--	1
SB4	5	--	1	--	--
	7	1	--	--	--
	93	--	--	1	--
	BUTTON	--	--	--	1
SB5	6	--	1	--	--
	BUTTON	--	--	--	1
SB6	10	1		--	--
SB7	2	1	--	--	--
	3	1	--	--	--
	94	--	--	1	--
	BUTTON	--	--	--	1
SB8	13	1	--	--	--
	20	1	--	--	--
SB9	17	1	--	--	--
	18	1	--	--	--
	21	1	--	--	--
SB10	1	1	--	--	--
	11	1	--	--	--
SB11	12	1	--	--	--
SB12	4	--	1	--	--
SB13	8	1	--	--	--
	9	1	--	--	--
	TOTAL	**18**	**3**	**4**	**6**

UNLESS OTHERWISE NOTED, ALL QUANTITIES ON THIS SHEET ARE CATEGORY 0050

3

LIGHTING UNITS

BASE NO.	657.0715 LUMINAIRE ARMS TRUSS TYPE 4 1/2-INCH CLAMP 15-FT EACH	657.0815 LUMINAIRE ARMS STEEL 15-FT EACH	659.1125 LIGHTING UTILITY LED C EACH
INTERSECTION: STH 19 & LIUNA WAY/TIERNEY CT			
SB2	2	---	2
SB3	---	1	1
SB6	2	---	2
SB7	---	1	1
SB9	---	1	1
SB12	2	---	2
SB13	---	1	1
TOTAL	**6**	**4**	**10**

LIGHTING WIRE

FROM	TO	655.0320 CABLE TYPE UF 2-10 AWG GROUNDED LF	655.0610 ELECTRICAL WIRE LIGHTING 12 AWG LF
INTERSECTION: STH 19 & LIUNA WAY/TIERNEY CT			
CABINET	SB13	44	--
SB13	LUM.	--	144
	TOTAL	**44**	**144**

INSTALL CAMERA ASSEMBLY

LOCATION	677.0200 EACH	FOR INFORMATION ONLY CAMERA CABLES - LF
STH 19 & LIUNA WAY/TIERNEY CT	2	485
TOTAL	**2**	**485**

SIGNAL MOUNTING HARDWARE (ORNAMENTAL)

LOCATION	658.5069.01 LS
.01 STH 19 & LIUNA WAY/TIERNEY CT	1
TOTAL	**1**

UNLESS OTHERWISE NOTED, ALL QUANTITIES ON THIS SHEET ARE CATEGORY 0050

3

INTERCONNECT FIBER OPTIC CABLE SUMMARY

FROM	TO	678.0036 INSTALL FIBER OPTIC CABLE OUTDOOR PLANT 36-CT LF	655.0505 ELECTRICAL WIRE TRAFFIC SIGNALS 14 AWG LF
CAB - LIUNA WAY	PB1	73	73
PB1	PB3	100	100
PB3	PB4	100	100
PB4	PB5	100	100
PB5	PB6	155	155
PB6	PB7	311	311
PB7	IC-PB1	310	310
IC-PB1	IC-PB2	310	310
IC-PB2	IC-PB3	310	310
IC-PB3	IC-PB4	310	310
IC-PB4	IC-PB5	310	310
IC-PB5	IC-PB6	310	310
IC-PB6	EX-PB1	295	295
EX-PB1	CAB - IH 39/90/94	60	60
	TOTAL	**2981**	**2981**

UNLESS OTHERWISE NOTED, ALL QUANTITIES ON THIS SHEET ARE CATEGORY 0050

CONDUIT 'CONT.'

FROM	TO	652.0225* CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF
INTERSECTION: STH 19 & SB IH 39/90/94 INTERSECTION		
PB20	PB21	85
PB21	PB22	125
PB22	PB23	140
	TOTAL	**350**

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

PULL BOXES NON-CONDUCTIVE

PB NO.	STATION	OFFSET	653.0154* 24x36-INCH EACH
INTERSECTION: STH 19 & SB IH 39/90/94 INTERSECTION			
PB21	193+97 EB	10' LT	1
PB22	192+74 EB	11' LT	1
PB23	191+36 EB	12' LT	1
		TOTAL	**3**

* ADDITIONAL QUANTITIES ELSEWHERE

REMOVE AND REINSTALL LOOP DETECTOR WIRE AND LEAD-IN CABLE

LOCATION	SPV.0105.06 LS
STH 19 & SB IH 39/90/94	1
TOTAL	**1**

REMOVING SIGNAL EQUIPMENT

INTERSECTION	653.0905 REMOVING PULL BOXES EACH
STH 19 & SB IH 39/90/94 INTERSECTION	3
TOTAL	**3**

3

UNLESS OTHERWISE NOTED, ALL QUANTITIES ON THIS SHEET ARE CATEGORY 0010

3

LOOP DETECTORS 'CONT.'

LOOP NO.	HOME RUN PB.	LOCATION^	SIZE (FT. X	NO. OF TURNS	PAVEMENT	SDD INSTALLATION REFERENCE	652.0800 CONDUIT LOOP DETECTOR LF
INTERSECTION: STH 19 & SB IH 39/90/94 INTERSECTION							
61	PB16	167+35 EB 20' LT	6' X 18'	4	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2) SDD 9F15 SHEET B	104
62	PB16	167+09 EB 20' LT	6' X 12'	5	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2) SDD 9F15 SHEET B	88
63	PB16	167+35 EB 31' LT	6' X 12'	5	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2) SDD 9F15 SHEET B	140
						TOTAL	**3214**

^ LOCATION IS TO THE FRONT CENTER OF THE DETECTOR

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

UNLESS OTHERWISE NOTED, ALL QUANTITIES ON THIS SHEET ARE CATEGORY 0010

3

						SAWING		
						690.0150	690.0250	
						SAWING	SAWING	
						ASPHALT	CONCRETE	
CAT	STA	TO	STA	OFFSET	ALIGN	LF	LF	COMMENTS
0010								
	131+25	-	134+80	RT	EB	360	-	SHOULDER
	131+95	-	134+80	LT	EB	290	-	SHOULDER
			134+80	LT/RT	EB	-	24	MAINLINE LANES
			49+90	LT/RT	RNB	28	-	MAINLINE LANES
			63+10	LT/RT	RSB	22	-	MAINLINE LANES
	62+40	-	62+60	LT	RSB	20	-	DRIVEWAY
	231+38	-	235+00	LT/RT	TEB2	360	-	STAGING 1D INSTALLING TEMP. EB WIDENING
	231+97	-	234+65	LT/RT	TEB1	270	-	STAGING 1A INSTALLING TEMP. WB WIDENING
			143+57	RT	EB	40	-	STAGING 2B-RAB REMOVE TEMP. EB WIDENING
	244+82	-	245+04	LT	TEB1	-	94	STAGING 1B SPLITTER ISLAND REMOVAL
	46+49	-	48+15	LT/RT	TRR	170	-	STAGING 1A- INSTALLING TEMP. RNB WIDENING
	55+23	-	56+16	LT	TRR	120	-	STAGING 1A- INSTALLING TEMP. RNB WIDENING
	244+32	-	244+95	LT	TEB1	-	100	STAGING 1A- INSTALLING TEMP. WB WIDENING
	244+43	-	245+12	RT	TEB1	-	69	STAGING 1C- INSTALLING TEMP. ASPHALT IN RAB
	245+47	-	245+90	LT	TEB1	-	74	STAGING 1A- INSTALLING TEMP. WB WIDENING
	245+68	-	251+14	LT/RT	TEB1	-	1110	STAGING 1B- SPLITTER ISLAND REMOVAL
	160+28	-	160+45	LT	WB	16	-	DRIVEWAY
	166+00	-	168+64	LT	WB	270	-	STAGING 1A-LNW1 INSTALLING TEMP. ASPHALT
	268+35	-	268+84	LT	TEB1	-	170	STAGING 1A-LNW1 INSTALLING PIPE
			7+66	RT	LWS	-	10	SIDEWALK
			7+66	LT/RT	LWS	32	5	MAINLINE LANES AND CURB/GUTTER
	7+66	-	10+40		LWS	270	-	STAGING 1A-LNW1 LONGITUDINAL CUT ALONG LANE
	9+04	-	9+34	RT	LWS	48	5	STAGING 1A-LNW1 INSTALLING PIPE
			10+25	RT	LWS	42	-	STAGING 1A-LNW1 INSTALLING TEMP. ASPHALT
			8+85	LT/RT	LES	32	5	MAINLINE LANES AND CURB/GUTTER
			175+00	LT	WB	-	38	STAGING 1D- TEMP. TRANSITION TURN LANE WB
	186+20	-	188+41	LT	WB	-	480	STAGING 1D-MED SPLITTER ISLAND REMOVAL
	188+15	-	194+69	LT/RT	WB	-	660	STAGING 1D-MED SPLITTER ISLAND REMOVAL
			194+00	RT	EB	-	45	MAINLINE LANES
	194+00	-	194+69	LT	EB	-	69	LONGITUDINAL CUT ALONG CURB/GUTTER
			194+05	LT	WB	-	8	TRANSVERSAL CUT ACROSS SHOULDER
	194+05	-	194+55	LT	WB	-	50	LONGITUDINAL CUT ALONG SHOULDER
			194+55	LT	WB	-	24	MAINLINE LANES
	194+55	-	194+70	LT	WB	-	15	LONGITUDINAL CUT ALONG CURB/GUTTER
			194+70	RT	WB	-	7	CURB AND GUTTER
			194+70	LT	EB	-	7	CURB AND GUTTER
			CATEGORY 0010 SUBTOTAL			2390	3069	
0050								
	256+49	-	258+61	LT/RT	TEB1	210	-	STAGING 1A- TEMP. MEDIAN CROSSOVER
			304+37	LT	TCS	32	10	MAINLINE LANES AND SIDEWALK
			304+38	LT	TCS	10	-	ASPHALT SIDEWALK
			304+12	RT	TC	21	-	MAINLINE LANES
	273+97	-	275+89	LT	TEB2	190	-	STAGING 1E- TEMP. MEDIAN CROSSOVER
	275+93	-	278+39	LT/RT	TEB1	250	-	STAGING 1A- TEMP. MEDIAN CROSSOVER
			11+18	LT/RT	CW	32	5	MAINLINE LANES AND CURB/GUTTER
	293+29	-	294+62	LT	TEB2	-	140	STAGING 1E- TEMP. MEDIAN CROSSOVER
			CATEGORY 0050 SUBTOTAL			745	155	
			PROJECT TOTAL			**3135**	**3224**	

3

LANDMARK REFERENCE MONUMENTS

CAT	DESCRIPTION	SPV.0060.02 LANDMARK REFERENCE MONUMENTS SPECIAL EACH	SPV.0060.03 VERIFY LANDMARK REFERENCE MONUMENTS EACH
0010			
	M.C. SECTION 31/6 T9N R10E, T8N R10E	1	4
	SECTION 6 T8N R10E	1	4
	SECTION 31 T9N R10E	1	4
	CATEGORY 0010 SUBTOTAL	3	12
	PROJECT TOTAL	**3**	**12**

3

YAHARA RIVER ACCESS ROAD AND WALKING PATH

CAT	STA	TO	STA	ALIGN	LOCATION	305.0120* BASE AGGREGATE DENSE 1 1/4-INCH TON	371.1000.S* QMP BASE AGGREGATE DENSE 1 1/4-INCH COMPACTION TON	645.0140* GEOTEXTILE FABRIC TYPE SAS SY	SPV.0105.01 WALKING PATH LS	SPV.0105.02 INSTALLING FURNISHED CANOE & KAYAK LAUNCH LS	SPV.0105.03 INSTALLING FURNISHED DANE COUNTY PARK KIOSK LS	SPV.0105.04 INSTALLING FURNISHED DANE COUNTY PARK SIGN LS
0010												
	154+83	-	156+58	YA	WALKING PATH	1230	1230	140	1	-	1	1
			154+83	YA	CANOE & KAYAK LAUNCH	50	50	5	-	1	-	-
					CATEGORY 0010 SUBTOTAL	1280	1280	145	1	1	1	1
					PROJECT TOTAL	**1280**	**1280**	**145**	**1**	**1**	**1**	**1**

***ADDITIONAL QUANTITIES LISTED ELSEWHERE**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
TRANSPORTATION PROJECT PLAT TITLE SHEET

5290-00-22

USH 12 - IH 39

RIVER ROAD TO IH 39

STH 19

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
SECTION CORNER MONUMENT
R/W MONUMENT (TO BE SET)
NON-MONUMENTED R/W POINT
FOUND IRON PIN (3/4-INCH UNLESS NOTED) IP
GEODETIC SURVEY MONUMENT
SIXTEENTH CORNER MONUMENT
SIGN — OFF-PREMISE 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)

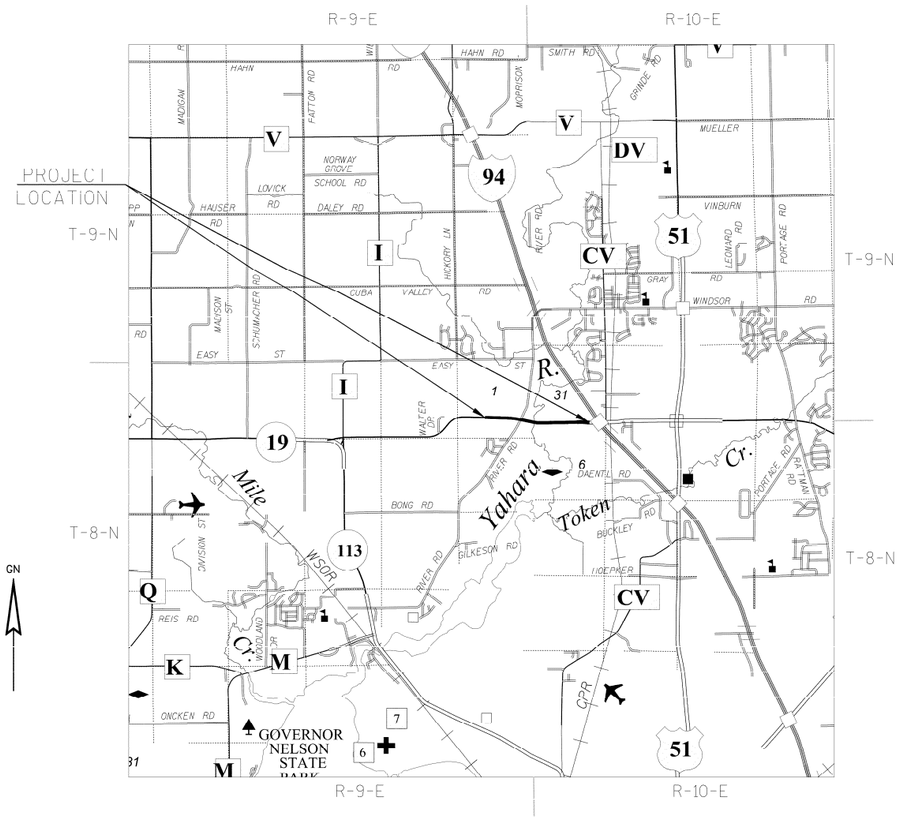
PARCEL NUMBER (25) UTILITY NUMBER (40)
PARALLEL OFFSETS

CONVENTIONAL ABBREVIATIONS

ACCESS RIGHTS	AR	POINT OF COMPOUND CURVE	PCC
ACRES	AC	POINT OF INTERSECTION	PI
AHEAD	AH	POINT OF REVERSE CURVATURE	PRC
ALUMINUM	ALUM	PROPERTY LINE	PL
AND OTHERS	ET AL	RECORDED AS	(100')
BACK	BK	REEL / IMAGE	R/I
BLOCK	BLK	REFERENCE LINE	R/L
CENTERLINE	C/L	REMAINING	REM
CERTIFIED SURVEY MAP	CSM	RESTICTIVE DEVELOPMENT EASEMENT	RDE
CONCRETE	CONC	RIGHT	RT
COUNTY	CO	RIGHT OF WAY	R/W
COUNTY TRUNK HIGHWAY	CTH	SECTION	SEC
DISTANCE	DIST	SEPTIC VENT	SEPV
CORNER	COR	SQUARE FEET	SF
DOCUMENT NUMBER	DOC	STATE TRUNK HIGHWAY	STH
EASEMENT	EASE	STATION	STA
EXISTING	EX	TELEPHONE PEDESTAL	TP
END OF PROJECT	EP	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		

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

LAYOUT
SCALE 0 1 MI

THE NOTES,CONVENTIONAL SIGNS, AND ABBREVIATIONS ARE ASSOCIATED WITH EACH TRANSPORTATION PROJECT PLAT FOR PROJECT 5290-00-22

NOTES:

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.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4" X 24" 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.

A HIGHWAY EASEMENT (HE) IS AN EASEMENT FOR HIGHWAY PURPOSES, 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 ACCESS CONTROL ALONG STH 19 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECTS 5291-01-21, T90-2(10), 1010-02-20, CSM 14659, AND CSM 14841.

EXISTING ACCESS CONTROL ALONG I39 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECTS T90-2(10), 1010-02-20, AND 1011-00-24.

EXISTING ACCESS CONTROL ALONG TIERNEY CROSSING HAS BEEN ESTABLISHED FROM CSM 14841.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:

EXISTING HIGHWAY RIGHT-OF-WAY FOR STH 19 ESTABLISHED FROM PREVIOUS PROJECTS 5291-01-21, T90-2(10), 1010-02-20, THE PLAT OF UNION CONSERVANCY PARK, AND CSM 14841.

EXISTING HIGHWAY RIGHT-OF-WAY FOR RIVER ROAD ESTABLISHED FROM CENTERLINE OF EXISTING PAVMENTS AND FROM CSM 14621.

EXISTING HIGHWAY RIGHT-OF-WAY FOR LIUNA WAY ESTABLISHED FROM THE PLAT OF UNION CONSERVANCY PARK AND FROM PREVIOUS PROJECT 1010 02 20.

EXISTING HIGHWAY RIGHT-OF-WAY FOR TIERNEY CROSSING ESTABLISHED FROM DOC.#5395427 AND CSM 14841.

EXISTING HIGHWAY RIGHT-OF-WAY FOR DALMORE ROAD ESTABLISHED FROM DOC.#5395427 AND CSM 14659.

EXISTING HIGHWAY RIGHT-OF-WAY FOR CASHEL WAY ESTABLISHED FROM CSM 14659.

EXISTING HIGHWAY RIGHT-OF-WAY FOR I39 ESTABLISHED FROM PREVIOUS PROJECTS I 90-2(12)122, T90-2(10), 1011-00-24, AND 1010-02-20.

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 5290-00-22 - 4.01
SHEET 2 OF 2
AMENDMENT NO:

TRANSPORTATION PROJECT PLAT NO: 5290-00-22 -4.01

THAT PART OF THE NW 1/4 OF THE SE 1/4, THE NE 1/4 OF THE SE 1/4, AND THE SW 1/4 OF THE SE 1/4, AND THAT PART OF LOT 2, CSM 14621 LOCATED IN AND PART OF THE SE 1/4 OF THE SE 1/4, ALL IN SECTION 1, TOWNSHIP 8 NORTH, RANGE 9 EAST, TOWN OF WESTPORT, DANE COUNTY, WISCONSIN.

RELOCATION ORDER STH 19 USH 12 - IH 39 (RIVER ROAD TO IH 39) DANE COUNTY

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 SUBSECTIONS 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 SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

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.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:

EXISTING HIGHWAY RIGHT-OF-WAY FOR STH 19 ESTABLISHED FROM PROJECT 5291-01-21.

EXISTING HIGHWAY RIGHT-OF-WAY FOR RIVER ROAD ESTABLISHED FROM CENTERLINE OF EXISTING PAVEMENT AND FROM CSM 14621.

EXISTING ACCESS CONTROL ALONG STH 19 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECT 5291-01-21.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

FOUND IRON PINS ARE 3/4" REBAR, UNLESS OTHERWISE NOTED.

FOR ADDITIONAL INFORMATION REFER TO TITLE SHEET, RECORDED AS SHEET 2 OF 2

SCHEDULE OF LANDS & INTERESTS REQUIRED								
PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	FEE R/W ACRES. REQUIRED NEW	EXISTING	TOTAL	T.L.E. ACRES	P.L.E. ACRES	H.E. ACRES
1	RONALD J. & HEATHER L. TREINEN	FEE & TLE	1.031	0.571	1.602	0.133	---	---
2	BRIAN & MICHELLE CARLSON	FEE	0.038	0.062	0.100	---	---	---
3	DANE COUNTY	FEE & TLE	1.992	0.475	2.467	0.661	---	---
4	MARY A. WOODBURN	FEE	0.338	0.768	1.106	---	---	---
6	STATE OF WISCONSIN DEPARTMENT OF NATURAL RESOURCES	FEE	0.675	---	0.675	---	---	---

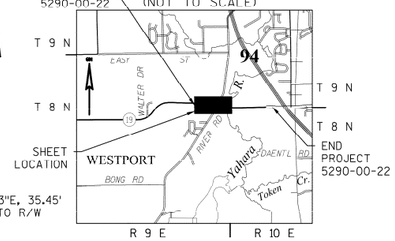
NOTE: OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE WISCONSIN DEPARTMENT OF TRANSPORTATION

GN

0 100 200
SCALE, FEET

BEGIN PROJECT 5290-00-22

PROJECT LOCATION (NOT TO SCALE)



SHEET LOCATION

END PROJECT 5290-00-22

KRTSTT CHLEBOWSKT
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5432491
08/08/2018 02:33 PM
Trans Fee:
Exempt #:
Rec. Fee: 25.00
Pages:

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 5290-00-22-4.01
SHEET 1 OF 2
AMENDMENT NO:___

R/W COURSE TABLE		
POINT-POINT	BEARING	DISTANCE
100-101	S88° 01' 10"E	624.86'
101-102	N88° 15' 39"E	154.14'
102-103	N88° 33' 22"E	165.65'
103-104	S84° 41' 46"E	415.44'
104-105	N89° 23' 13"E	294.24'
105-106	N48° 05' 58"E	184.42'
106-107	N32° 33' 56"E	301.04'
107-108	N27° 48' 07"E	105.00'
108-109	S62° 11' 53"E	19.45'
109-110	S62° 11' 53"E	66.00'
110-111	S62° 11' 53"E	19.55'
111-112	S27° 21' 15"W	492.61'
112-113	S13° 02' 40"E	72.99'
113-114	S70° 10' 49"E	124.76'
114-115	S71° 26' 30"E	127.39'
115-116	S75° 10' 01"E	295.29'
116-117	N88° 53' 45"E	107.94'
117-118	S78° 58' 14"E	189.28'
119-120	N84° 19' 05"W	56.05'

R/W COURSE TABLE		
POINT-POINT	BEARING	DISTANCE
120-121	S09° 31' 24"W	26.00'
121-122	N75° 56' 27"W	188.54'
122-123	N69° 03' 33"W	232.65'
123-124	N79° 07' 56"W	392.20'
124-125	S63° 10' 39"W	151.44'
125-126	S39° 37' 14"W	295.51'
126-127	SEE CURVE TABLE	---
127-128	S33° 51' 14"W	161.67'
128-129	N56° 12' 27"W	73.00'
129-130	N33° 51' 14"E	161.75'
130-131	SEE CURVE TABLE	---
131-132	N59° 47' 42"W	35.64'
132-133	N29° 56' 39"E	204.69'
133-134	N18° 47' 27"E	205.70'
134-135	N33° 07' 21"W	95.63'
135-136	N78° 33' 01"W	114.54'
136-137	S81° 30' 51"W	188.57'
137-138	N61° 39' 13"W	207.58'
138-139	N81° 26' 15"W	242.13'
139-140	N88° 01' 10"W	773.08'

UTILITY SCHEDULE & INTERESTS REQUIRED		
UTILITY NUMBER	OWNER (S)	INTEREST REQUIRED
100	CENTURYLINK-COMMUNICATION	RELEASE OF RIGHTS
102	ALLIANT ENERGY-ELECTRIC	RELEASE OF RIGHTS
103	CHARTER-COMMUNICATION	RELEASE OF RIGHTS

FOUND ALUMINUM CAP MONUMENT
Y=530,998.802
X=824,407.183

BRASS MONUMENT
Y=525,559.556
X=824,422.068

EAST 1/4 CORNER OF SECTION 1
FOUND ALUMINUM MONUMENT
Y=528,139.469
X=827,143.141

MEANDER CORNER FOUND ALUMINUM MONUMENT
Y=526,508.008
X=827,057.073

MEANDER CORNER FOUND BRASS MONUMENT
Y=525,498.953
X=826,983.135

COMPUTED FROM TIE SHEET
Y=526,508.412
X=827,116.322

COMPUTED FROM TIE SHEET
Y=525,496.200
X=827,099.492

NW-SE

SW-SE

NE-SE

SE-SE

LOT 2
CSM NO. 14621
VOLUME 101,
PAGE 1/8
DOC. 5361068

S00°09'24"E, 4,015.12' COR TO EX R/W

N00°09'24"W, 72.92' R/L TO EX R/W

N00°09'24"W, 77.18' EX R/W TO R/L

N00°09'24"W, 1,274.04' COR TO EX R/W

S62°11'53"E, 30.55' R/W TO R/L

S62°11'53"E, 35.45' R/L TO R/W

SEPTIC SYSTEM DRAIN FIELD EASEMENT V.1093/P.477 DOC. 1637754

RIGHT OF WAY EASEMENT V.1093/P.477 DOC. 1637754

R/L BEARING N 27°48'07" E

R/L BEARING S 88°01'43" E

R/L BEARING N 18°56'20" E

R/L BEARING S 77°42'42" E

R/L BEARING S 83°13'40" E

R/L BEARING N 33°47'33" E

N56°12'27"W, 33.53' R/L TO EX R/W

N56°12'27"W, 39.47' EX R/W TO R/L

S00°57'09"W, 1,484.40' COR TO R/W

S00°57'09"W, 146.88' R/W TO COR

S00°57'09"W, 100.37' TAN TO R/W

S00°57'09"E, 886.34' COR TO R/W

N89°36'33"E 59.25' MC-CORNER

S88°38'40"E 116.39' MC TO CORNER

SECTION LINE STA:155+27.03'EB'

TOWN OF BURKE

WESTPORT

VILLAGE OF DEFOREST

TOWN OF WESTPORT

SIXTEENTH LINE

SIXTEENTH LINE

RIVER RD

STH 19

TOWN

WATER EDGE

WATER EDGE

SILOS

BLDG

FEE 0.004 AC.

FEE 1.027 AC.

FEE 0.242 AC.

FEE 0.319 AC.

FEE 1.431 AC.

TLE GRADING 0.133 AC.

TLE GRADING 0.010 AC.

TLE GRADING 0.122 AC.

TLE GRADING 0.529 AC.

R/W STATION AND OFFSET TABLE		
POINT NO.	STATION	OFFSET
100	127+53.25'EB'	72.87'
101	133+78.11'EB'	72.77'
102	135+31.60'EB'	82.81'
103	136+95.00'EB'	95.00'
104	141+00.00'EB'	101.00'
105	143+51.00'EB'	161.00'
106	59+15.00'NB'	75.00'
107	62+15.00'NB'	50.00'
108	63+20.00'NB'	50.00'
109	63+20.00'NB'	30.55'
110	63+20.00'NB'	35.45'
111	63+20.00'NB'	55.00'
112	58+20.00'NB'	55.00'
113	146+70.61'EB'	189.47'
114	147+80.34'EB'	167.14'
115	149+05.00'EB'	153.11'
116	152+00.00'EB'	140.00'
117	153+05.00'EB'	165.00'
118	155+03.02'EB'	164.56'
119	155+41.27'EB'	105.68'

R/W STATION AND OFFSET TABLE		
POINT NO.	STATION	OFFSET
120	154+87.00'EB'	109.00'
121	154+87.00'EB'	135.00'
122	153+05.00'EB'	125.00'
123	150+75.00'EB'	90.00'
124	146+75.00'EB'	95.00'
125	53+75.00'NB'	95.00'
126	50+93.00'NB'	42.33'
127	48+30.59'NB'	41.12'
128	46+70.00'NB'	39.47'
129	46+70.00'NB'	33.53'
130	48+32.63'NB'	31.85'
131	49+80.00'NB'	29.36'
132	49+80.00'NB'	65.00'
133	51+85.00'NB'	65.00'
134	54+02.48'NB'	100.00'
135	142+76.61'EB'	128.04'
136	141+62.13'EB'	124.27'
137	139+76.20'EB'	180.80'
138	137+75.93'EB'	100.39'
139	135+32.22'EB'	77.19'
140	127+58.83'EB'	77.13'

TLE STATION AND OFFSET TABLE		
POINT NO.	STATION	OFFSET
T100	134+50.00'EB'	77.43'
T101	137+50.00'EB'	120.00'
T102	139+40.00'EB'	92.42'
T103	60+55.00'NB'	57.07'
T104	60+55.00'NB'	65.00'
T105	60+35.00'NB'	75.00'
T106	60+15.00'NB'	57.38'
T107	59+90.00'NB'	57.58'
T108	59+60.00'NB'	140.00'
T109	59+10.00'NB'	140.00'
T110	59+10.00'NB'	58.20'
T111	49+00.00'NB'	90.00'
T112	47+50.00'NB'	70.00'

CURVE TABLE				
PT-PT	CHORD BEARING	RADIUS	CHORD LENGTH	ARC LENGTH
126-127	S30° 57' 09"W	2,608.82'	264.11'	264.22'
130-131	N32° 12' 03"E	2,535.82'	146.30'	146.32'

(100) CENTURYLINK-COMMUNICATION
V.395, PG.599, DOC.1347499-PARCEL 1
NO RECORDED EASEMENT-PARCEL 2
V.396, PG.1, DOC.1347500-PARCEL 4
V.1029, PG.182, DOC.1606712-PARCEL 6
(CONVEYANCE OF RIGHTS)

(102) ALLIANT ENERGY-ELECTRIC
NO RECORDED EASEMENT-PARCEL 1
NO RECORDED EASEMENT-PARCEL 3

(103) CHARTER-COMMUNICATION
NO RECORDED EASEMENT-PARCEL 1
NO RECORDED EASEMENT-PARCEL 2

P.I.=48+60.20'NB'
Y=526,088.523
X=825,792.305
Δ =03°51'42" LT
D. =01°22'50"
R. =4,150.00'
L. =279.70'
T. =139.90'
P.C.=47+20.30'NB'
Y=525,972.254
X=825,714.491
P.T.=50+00.00'NB'
Y=526,209.768
X=825,862.111
DB=N33°47'33"E
DA=N29°55'52"E

P.I.=53+73.52'NB'
Y=526,533.470
X=826,048.481
Δ =10°59'32" LT
D. =11°27'33"
R. =500.00'
L. =95.93'
T. =48.11'
P.C.=53+25.41'NB'
Y=526,491.776
X=826,024.476
P.T.=54+21.33'NB'
Y=526,578.976
X=826,064.095
DB=N29°55'52"E
DA=N18°56'20"E

P.I.=54+75.25'NB'
Y=526,629.977
X=826,081.595
Δ =33°27'47" RT
D. =57°17'45"
R. =100.00'
L. =58.40'
T. =30.06'
P.C.=54+45.19'NB'
Y=526,601.543
X=826,071.839
P.T.=55+03.60'NB'
Y=526,648.318
X=826,105.413
DB=N18°56'20"E
DA=N52°24'07"E

P.I. =44+89.29'NB'
Y=525,780.272
X=825,586.007
DA=N33°47'33"E

P.I.=136+50.19'EB'
Y=526,880.015
X=825,312.067
Δ =02°08'06" RT
D. =00°42'39"
R. =8,060.00'
L. =300.34'
T. =150.19'
P.C.=135+00.00'EB'
Y=526,885.182
X=825,161.971
P.C.C.=138+00.34'EB'
Y=526,869.261
X=825,461.867
DB=S88°01'43"E
DA=S85°53'37"E

P.I.=139+43.27'EB'
Y=526,859.026
X=825,604.437
Δ =33°27'47" RT
D. =57°17'45"
R. =3,000.00'
L. =285.66'
T. =142.94'
P.C.C.=138+00.34'EB'
Y=526,869.261
X=825,461.867
P.T.=140+86.00'EB'
Y=526,835.281
X=825,745.389
DB=S88°01'43"E
DA=S80°26'17"E

P.I.=143+66.64'EB'
Y=526,788.661
X=826,022.139
Δ =42°13'29" RT
D. =52°05'14"
R. =110.00'
L. =81.07'
T. =42.47'
P.C.=143+24.17'EB'
Y=526,795.717
X=825,980.257
P.T.=144+05.24'EB'
Y=526,755.290
X=826,048.412
DB=S80°26'17"E
DA=S38°12'48"E

P.I.=147+25.87'EB'
Y=526,653.546
X=826,331.894
Δ =05°30'58" RT
D. =03°49'11"
R. =1,500.00'
L. =144.41'
T. =72.26'
P.C.=146+53.61'EB'
Y=526,662.067
X=826,260.139
P.T.=147+98.02'EB'
Y=526,638.167
X=826,402.498
DB=S83°13'40"E
DA=S77°42'42"E

P.I.=157+09.07'EB'
Y=526,444.267
X=827,292.678
Δ =12°51'06" LT
D. =01°39'39"
R. =3,450.00'
L. =773.85'
T. =388.56'
P.C.=153+20.52'EB'
Y=526,526.964
X=826,913.024
P.T.=160+94.37'EB'
Y=526,448.088
X=827,681.216
DB=S77°42'42"E
DA=N89°26'12"E

P.I.=145+79.32'EB'
Y=526,670.828
X=826,186.366
DA=S83°13'40"E

I, CAROLYN J. SAMPSON, 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 CAROLYN J. SAMPSON S-3045 GREEN BAY WI LAND SURVEYOR

SIGNATURE: Carolyn J Sampson DATE: 8/8/18
PRINT NAME: CAROLYN J. SAMPSON
REGISTRATION NUMBER: S-3045

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION
SW REGION - MADISON
SIGNATURE: Cory Schlagel DATE: 8/8/18
PRINT NAME: CORY SCHLAGEL

JJ ENGINEERING, INC Consultant Services

FILE NAME : X:\PROJECTS\DANE\5290-00-02 STH 19\DESIGN\C3D\SHEETSPLAN\040102-RP.DWG
APPRAISAL PLAT DATE : 7/30/18
PLOT DATE : 8/7/2018 4:15 PM PLOT BY : CHAD KWIATKOWSKI PLOT NAME : PLOT SCALE : **********

5290-00-22 -4.01

TRANSPORTATION PROJECT PLAT NO: 5290-00-22 -4.02 AMENDMENT NO: 2

ADDS UTILITY NUMBER 105 TO PARCEL 3 OF TPP 5290-00-22-4.02, RECORDED AS DOCUMENT 5434148

THAT PART OF LOTS 1, 2, AND OUTLOT 1, CSM 14841 LOCATED IN THE SE 1/4 OF THE SW 1/4, AND THAT PART OF THE SW 1/4 OF THE SW 1/4 OF SECTION 31, TOWNSHIP 9 NORTH, RANGE 10 EAST, AND THAT PART OF LOTS 1 AND 11 OF THE PLAT OF UNION CONSERVANCY PARK, LOCATED IN THE NE 1/4 OF THE NW 1/4 OF SECTION 6, TOWNSHIP 8 NORTH, RANGE 10 EAST, ALL IN THE VILLAGE OF DEFOREST; ALSO THAT PART OF THE NW 1/4 OF THE NW 1/4, AND THE NE 1/4 OF THE NW 1/4, OF SECTION 6, TOWNSHIP 8 NORTH, RANGE 10 EAST, TOWN OF BURKE, ALL IN DANE COUNTY, WISCONSIN.

RELOCATION ORDER STH 19 USH 12 - IH 39 (RIVER ROAD TO IH 39) DANE COUNTY

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 SUBSECTIONS 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 SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

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.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:

EXISTING HIGHWAY RIGHT-OF-WAY FOR STH 19 ESTABLISHED FROM PROJECTS 5291-01-21, T90-2(10), THE PLAT OF UNION CONSERVANCY PARK, AND CSM #14841.

EXISTING HIGHWAY RIGHT-OF-WAY FOR LIUNA WAY ESTABLISHED FROM THE PLAT OF UNION CONSERVANCY PARK.

EXISTING HIGHWAY RIGHT-OF-WAY FOR TIERNEY CROSSING ESTABLISHED FROM DOC.#53954274, CSM #14659, AND CSM #14841.

EXISTING HIGHWAY RIGHT-OF-WAY FOR DALMORE ROAD ESTABLISHED FROM DOC.#53954274 AND CSM #14841.

EXISTING HIGHWAY ACCESS CONTROL RIGHT-OF-WAY FOR STH 19 ESTABLISHED FROM PROJECTS 5291-01-21 AND T90-2(10).

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

FOUND IRON PINS ARE 3/4" REBAR, UNLESS OTHERWISE NOTED.

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, DOCUMENT NO. 5432491 FOR ADDITIONAL INFORMATION.

R/W STATION AND OFFSET TABLE		
POINT NO.	STATION	OFFSET
200	155+03.02'EB'	164.56'
201	156+80.00'EB'	155.00'
202	160+10.75'EB'	122.14'
203	165+31.63'EB'	122.01'
204	165+32.48'EB'	157.42'
205	167+52.39'EB'	156.73'
206	304+30.00"T"	65.76'
207	304+30.00"T"	46.74'
208	303+61.18"T"	46.86'
209	168+71.60'EB'	156.47'
210	178+61.40'EB'	153.67'
211	178+65.09'EB'	153.66'
212	177+77.26'EB'	112.09'
213	170+65.00'EB'	110.08'
214	8+60.00'LWS'	41.04'
215	7+78.41'LWS'	33.74'
216	7+60.00'LWS'	33.02'
217	7+85.59'LWS'	31.87'
218	7+85.00'LWS'	85.44'
219	167+35.34'EB'	109.15'
220	165+00.00'EB'	95.00'
221	161+00.00'EB'	95.00'
222	158+00.00'EB'	102.00'
223	155+41.27'EB'	105.68'

R/W COURSE TABLE		
POINT-POINT	BEARING	DISTANCE
200-201	S78° 58' 14"E	169.03'
201-202	S80° 31' 21"E	319.03'
202-203	N89° 33' 29"E	517.91'
203-204	N00° 49' 11"E	35.42'
204-205	N89° 35' 54"E	219.91'
205-206	N00° 19' 12"W	112.87'
206-207	N89° 46' 41"E	112.50'
207-208	S00° 19' 12"E	68.82'
208-209	S09° 02' 47"E	44.20'
209-210	N89° 35' 54"E	989.81'
210-211	SEE CURVE TABLE	---
212-213	S89° 35' 54"W	712.26'
213-214	S81° 36' 02"W	220.63'
214-215	S00° 18' 34"E	77.45'
215-216	SEE CURVE TABLE	---
216-217	N76° 04' 20"W	69.40'
217-218	S82° 41' 36"W	53.58'
218-219	N03° 39' 29"E	114.91'
219-220	N87° 07' 20"W	235.77'
220-221	S89° 26' 12"W	400.00'
221-222	N89° 27' 47"W	308.39'
222-223	N84° 19' 05"W	266.48'

UTILITY SCHEDULE & INTERESTS REQUIRED		
UTILITY NUMBER	OWNER (S)	INTEREST REQUIRED
100	CENTURYLINK-COMMUNICATION	RELEASE OF RIGHTS
102	ALLIANT ENERGY-ELECTRIC	RELEASE OF RIGHTS
104	MADISON METROPOLITAN SEWERAGE DISTRICT-SANITARY SEWER	RELEASE OF RIGHTS
105	VILLAGE OF DEFOREST-SANITARY SEWER	RELEASE OF RIGHTS
106	MG&E-GAS	RELEASE OF RIGHTS

CURVE TABLE				
PT-PT	CHORD BEARING	RADIUS	CHORD LENGTH	ARC LENGTH
210-211	N89° 35' 37"E	22,752.31'	3.69'	3.69'
215-216	S04° 32' 14"E	117.00'	17.25'	17.27'

TLE STATION AND OFFSET TABLE		
POINT NO.	STATION	OFFSET
T200	159+40.67'EB'	131.71'
T201	165+31.94'EB'	135.00'
T202	167+05.00'EB'	156.93'
T203	304+30.00"T"	90.00'
T204	169+00.00'EB'	156.38'
T205	8+61.98'LWS'	55.00'
T206	7+60.00'LWS'	45.00'

SCHEDULE OF LANDS & INTERESTS REQUIRED								
PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	FEE R/W ACRES, REQUIRED NEW	EXISTING	TOTAL	T.L.E. ACRES	P.L.E. ACRES	H.E. ACRES
3	DANE COUNTY	FEE & TLE	3.034	---	3.034	0.157	---	---
7	YAHARA GATEWAY, LLC	TLE	---	---	---	0.098	---	---
8	WISCONSIN LABORERS' APPRENTICESHIP & TRAINING FUND	FEE & TLE	0.203	---	0.203	0.029	---	---
9	VILLAGE OF DEFOREST	TLE	---	---	---	0.037	---	---

NOTE: OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE WISCONSIN DEPARTMENT OF TRANSPORTATION

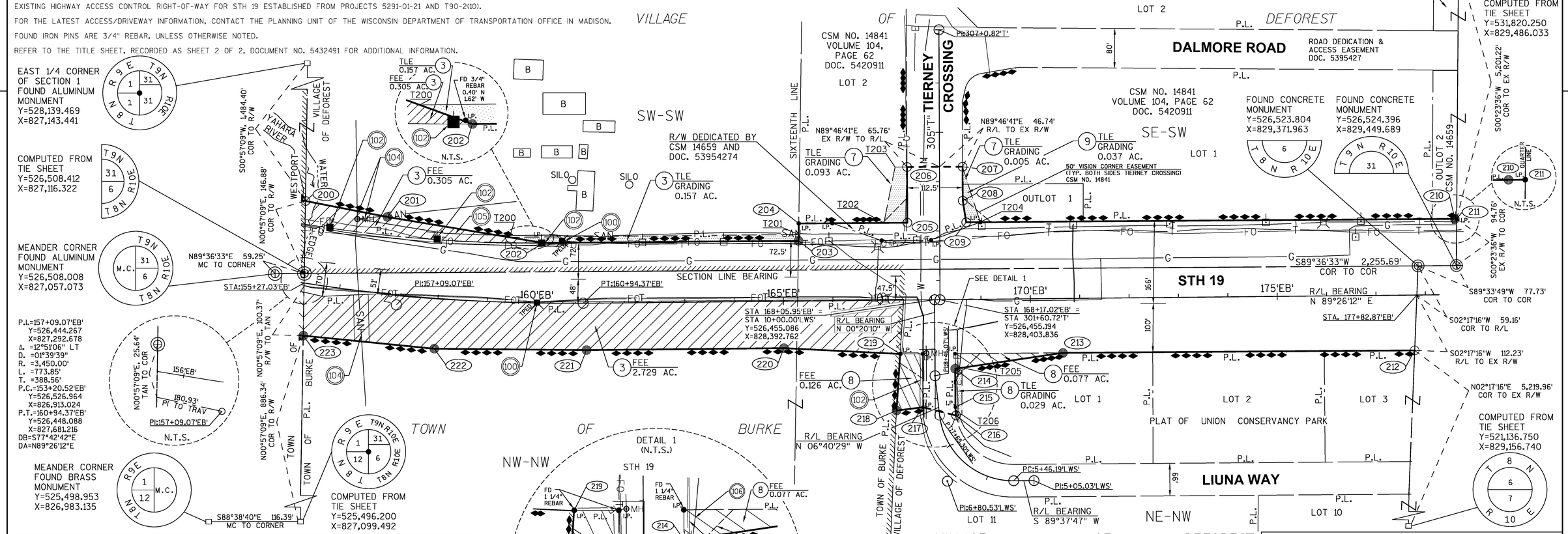
(100) CENTURYLINK-COMMUNICATION
V.1029, PG.182, DOC.1606712-PARCEL 3
(CONVEYANCE OF RIGHTS) (NORTH SIDE)
NO RECORDED EASEMENT-PARCEL 3 (SOUTH SIDE)

(104) MADISON METROPOLITAN SEWERAGE DISTRICT
-SANITARY SEWER
V.208, PG.10, DOC.1275716-PARCEL 3
V.1079, PG.496, DOC.1630768-PARCEL 3 (CONVEYANCE OF RIGHTS)

(105) VILLAGE OF DEFOREST
-SANITARY SEWER
DOC.5407861-PARCEL 3

(102) ALLIANT ENERGY-ELECTRIC
(WISCONSIN POWER AND LIGHT COMPANY, A WISCONSIN CORPORATION)
NO RECORDED EASEMENT-PARCEL 3
NO RECORDED EASEMENT-PARCEL 8 (WEST)
DOC.3831003 & DOC.3868221-PARCEL 8 (EAST)

(106) MG&E-GAS
NO RECORDED EASEMENT-PARCEL 8



3	FEE 0.305 AC.	TLE 0.157 AC.						
7		TLE GRADING 0.093 AC.						
8	FEE 0.126 AC.	FEE 0.077 AC.	TLE GRADING 0.029 AC.					
9				TLE GRADING 0.037 AC.				
3	FEE 2.729 AC.	TLE GRADING 0.157 AC.						
7					TLE GRADING 0.005 AC.			

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT # 5479759
04/10/2019 08:59 AM
Trans Fee:
Exempt #:
Rec. Fee: 25.00
Pages:

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 5290-00-22-4.02
AMENDMENT NO: 2

JJ ENGINEERING, INC
Consultant Services

I, CAROLYN J. SAMPSON, 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 CAROLYN J. SAMPSON S-3045 GREEN BAY WI LAND SURVEYOR

SIGNATURE: Carolyn J. Sampson DATE: 3/27/19
PRINT NAME: CAROLYN J. SAMPSON
REGISTRATION NUMBER: S-3045

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION
SW REGION - MADISON
SIGNATURE: Cory Schlagel DATE: 4/9/2019
PRINT NAME: CORY SCHLAGEL

FILE NAME : X:\PROJECTS\DANE\5290-00-02 STH 19\DESIGN\C3D\SHEETSPLAN\040102-RP-AMEND_.DWG
APPRAISAL PLAT DATE : 7/30/18
PLOT DATE : 3/27/2019 8:54 AM
PLOT BY : CHAD KWIATKOWSKI
PLOT NAME :
PLOT SCALE : **********

5290-00-22 -4.02

TRANSPORTATION PROJECT PLAT NO: 5290-00-22 -4.03

THAT PART OF LOT 5 OF THE PLAT OF UNION CONSERVANCY PARK LOCATED IN THE NW 1/4 OF THE NE 1/4 OF SECTION 6, TOWNSHIP 8 NORTH, RANGE 10 EAST, VILLAGE OF DEFOREST, DANE COUNTY, WISCONSIN.

RELOCATION ORDER STH 19 USH 12 - IH 39 (RIVER ROAD TO IH 39) DANE COUNTY

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 SUBSECTIONS 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 SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

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.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:

EXISTING HIGHWAY RIGHT-OF-WAY FOR STH 19 ESTABLISHED FROM PREVIOUS PROJECTS T90-2(10), 1010-02-20, AND THE PLAT OF UNION CONSERVANCY PARK.

EXISTING HIGHWAY RIGHT-OF-WAY FOR LIUNA WAY ESTABLISHED FROM THE PLAT OF UNION CONSERVANCY PARK AND FROM PREVIOUS PROJECT 1010-02-20.

EXISTING HIGHWAY RIGHT-OF-WAY FOR I39 ESTABLISHED FROM PREVIOUS PROJECTS I 90-2(12)122, T90-2(10), 1011-00-24, AND 1010-02-20.

EXISTING HIGHWAY RIGHT-OF-WAY FOR CASHEL WAY ESTABLISHED FROM CSM 14659.

EXISTING HIGHWAY RIGHT-OF-WAY FOR DALMORE ROAD ESTABLISHED FROM CSM 14659.

EXISTING HIGHWAY ACCESS CONTROL FOR STH 19 ESTABLISHED FROM PREVIOUS PROJECTS 5291-01-21, T90-2(10), 1010-02-20, AND CSM 14659.

EXISTING HIGHWAY ACCESS CONTROL FOR I39 ESTABLISHED FROM PREVIOUS PROJECTS T90-2(10), 1011-00-24, AND 1010-02-20.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

FOUND IRON PINS ARE 3/4" REBAR, UNLESS OTHERWISE NOTED.

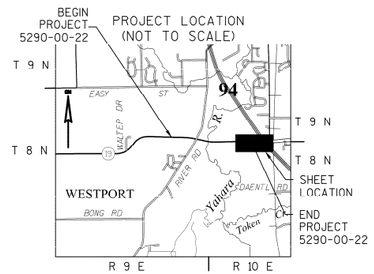
REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, DOCUMENT NO. 5432491 FOR ADDITIONAL INFORMATION.

SCHEDULE OF LANDS & INTERESTS REQUIRED								
PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	FEE R/W ACRES, REQUIRED NEW	EXISTING	TOTAL	T.L.E. ACRES	P.L.E. ACRES	H.E. ACRES
8	WISCONSIN LABORERS' APPRENTICESHIP & TRAINING FUND	TLE	---	---	---	0.003	---	---

NOTE: OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE WISCONSIN DEPARTMENT OF TRANSPORTATION

UTILITY SCHEDULE & INTERESTS REQUIRED		
UTILITY NUMBER	OWNER (S)	INTERST REQUIRED
102	ALLIANT ENERGY ELECTRIC	RELEASE OF RIGHTS

(102) ALLIANT ENERGY-ELECTRIC
(WISCONSIN POWER AND LIGHT COMPANY, A WISCONSIN CORPORATION)
V.59-055B, PG.266, DOC.4447251-PARCEL 8



KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT # 5434149
08/15/2018 11:25 AM
Trans Fee:
Exempt #:
Rec. Fee: 25.00
Pages:

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 5290-00-22-4.03
AMENDMENT NO:___

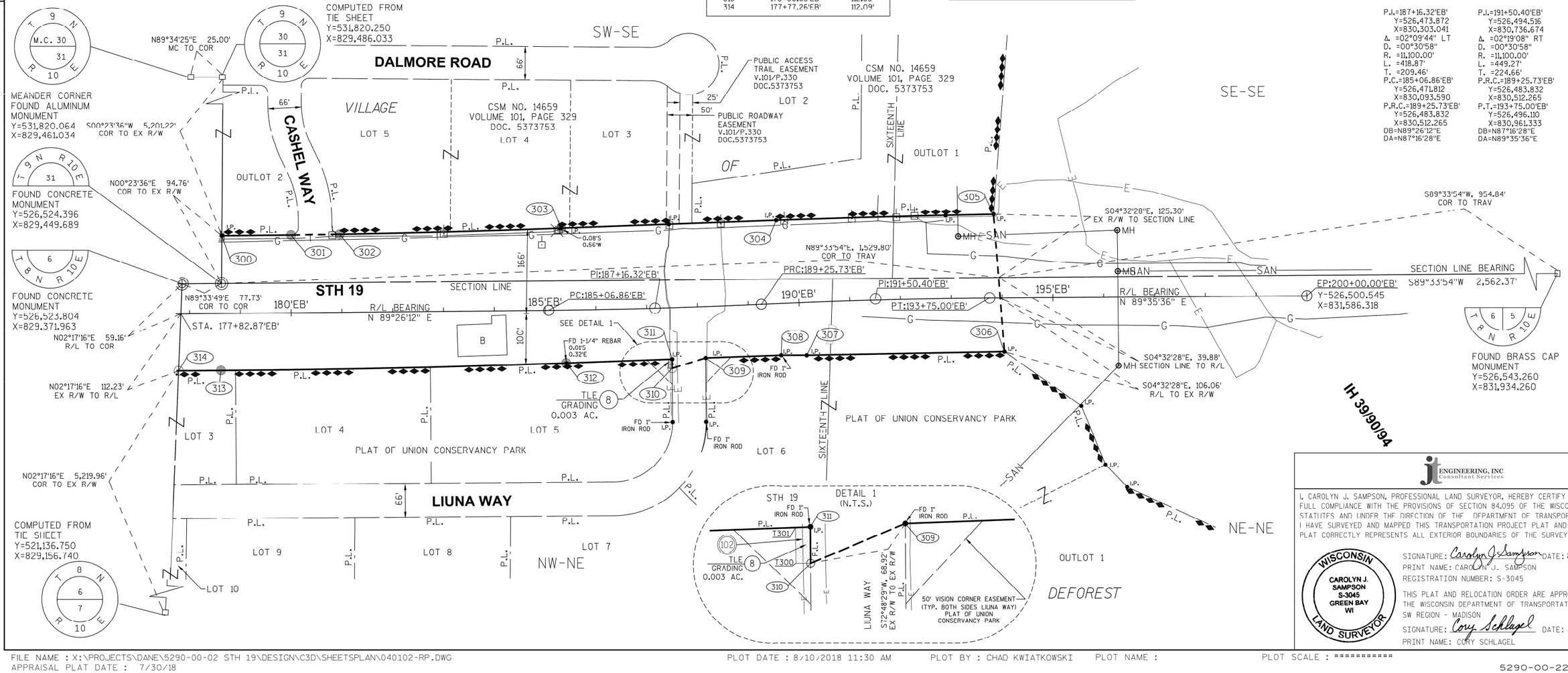
R/W STATION AND OFFSET TABLE		
POINT NO.	STATION	OFFSET
300	178+65.09'EB'	153.66'
301	180+01.05'EB'	153.71'
302	180+97.09'EB'	154.23'
303	185+33.75'EB'	161.67'
304	189+62.42'EB'	163.88'
305	193+84.36'EB'	164.74'
306	194+03.92'EB'	105.78'
307	190+11.02'EB'	104.28'
308	189+60.35'EB'	102.11'
309	188+12.33'EB'	101.11'
310	187+46.48'EB'	119.20'
311	187+46.89'EB'	101.47'
312	185+40.15'EB'	104.25'
313	178+60.65'EB'	112.33'
314	177+77.26'EB'	112.09'

R/W COURSE TABLE		
POINT-POINT	BEARING	DISTANCE
300-301	SEE CURVE TABLE	---
301-302	N89° 07' 32"E	96.05'
302-303	SEE CURVE TABLE	---
303-304	N87° 54' 21"E	423.44'
304-305	SEE CURVE TABLE	---
306-307	S88° 56' 38"W	389.44'
307-308	N89° 56' 06"W	50.25'
308-309	S87° 54' 21"W	148.73'
309-310	S72° 48' 29"W	68.92'
310-311	N00° 25' 55"W	17.96'
311-312	S87° 54' 21"W	208.68'
312-313	SEE CURVE TABLE	---
313-314	S89° 35' 54"W	83.39'

CURVE TABLE				
PT-PT	CHORD BEARING	RADIUS	CHORD LENGTH	ARC LENGTH
300-301	N89° 25' 04"E	22,752.31'	135.96'	135.96'
302-303	N88° 27' 19"E	22,752.31'	436.33'	436.34'
304-305	N88° 26' 13"E	23,084.31'	428.03'	428.03'
312-313	S88° 45' 07"W	23,018.31'	679.87'	679.89'

TLE STATION AND OFFSET TABLE		
POINT NO.	STATION	OFFSET
T300	187+39.32'EB'	119.05'
T301	187+39.69'EB'	101.29'

GN
0 100 200
SCALE, FEET



P.I.=187+16.32'EB'
Y=526,473.872
X=830,303.041
Δ =02°09'44" LT
D. =00°30'58"
R. =11,100.00'
L. =418.87'
T. =209.46'
P.C.=185+06.86'EB'
Y=526,471.812
X=830,093.590
P.R.C.=189+25.73'EB'
Y=526,483.832
X=830,515.265
DB=N89°26'12"E
DA=N87°16'28"E

P.I.=191+50.40'EB'
Y=526,494.516
X=830,736.674
Δ =02°19'08" RT
D. =00°30'58"
R. =11,100.00'
L. =449.27'
T. =224.66'
P.R.C.=189+25.73'EB'
Y=526,483.832
X=830,512.265
P.T.=193+75.00'EB'
Y=526,496.110
X=830,961.333
DB=N89°16'28"E
DA=N89°35'36"E

JT ENGINEERING, INC Consultant Services

I, CAROLYN J. SAMPSON, 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 CAROLYN J. SAMPSON S-3045 GREEN BAY WI LAND SURVEYOR

SIGNATURE: Carolyn J Sampson DATE: 8/10/18
PRINT NAME: CAROLYN J. SAMPSON
REGISTRATION NUMBER: S-3045

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION
SW REGION - MADISON
SIGNATURE: Cory Schlagel DATE: 8/14/18
PRINT NAME: CORY SCHLAGEL

FILE NAME : X:\PROJECTS\DANE\5290-00-02 STH 19\DESIGN\C3D\SHEETSPLAN\040102-RP.DWG
APPRAISAL PLAT DATE : 7/30/18
PLOT DATE : 8/10/2018 11:30 AM PLOT BY : CHAD KWIATKOWSKI PLOT NAME : PLOT SCALE : ==========

5290-00-22-4.03

DATE: JULY 30, 2018

REVISION DATE

TRANSPORTATION PROJECT PLAT 5290-00-22-4.04

RELOCATION ORDER STH 19 USH 12 - IH 39 (RIVER ROAD TO IH 39) DANE COUNTY

R/W MONUMENT POINT NUMBER AND COORDINATE TABLE

R/W MONUMENT POINT NUMBER AND COORDINATE TABLE		
POINT	Y	X
100	526983.698	824418.171
101	526962.102	825042.655
102	526966.780	825196.723
103	526970.954	825362.319
104	526932.552	825775.977
105	526935.701	826070.200
106	527058.861	826207.463
107	527312.570	826369.502
108	527405.450	826418.476
109	527396.379	826435.679
110	527365.593	826494.063
111	527356.476	826511.355
112	526918.951	826285.006
113	526847.847	826301.480
114	526805.545	826418.850
115	526765.002	826539.613
116	526689.406	826825.064
117	526691.486	826932.979
118	526655.274	827118.764
119	526382.421	827114.227
120	526387.971	827058.450
121	526362.329	827054.148
122	526408.130	826871.258
123	526491.279	826653.977
124	526565.226	826268.811
125	526496.894	826133.668
126	526269.265	825945.219
127	526042.766	825809.381
128	525908.504	825719.317
129	525949.105	825658.650
130	526083.432	825748.757
131	526207.231	825826.720
132	526225.163	825795.916
133	526402.526	825898.087
134	526597.258	825964.345
135	526677.352	825912.087
136	526700.089	825799.827
137	526672.263	825613.321
138	526770.823	825430.632
139	526806.873	825191.200
140	526833.592	824418.581

R/W MONUMENT POINT NUMBER AND COORDINATE TABLE		
POINT	Y	X
200	526655.274	827118.764
201	526622.935	827284.675
202	526570.402	827599.355
203	526574.396	828117.253
204	526609.810	828117.760
205	526611.353	828337.663
206	526724.219	828337.032
207	526724.655	828449.532
208	526655.840	828449.916
209	526612.188	828456.866
210	526619.130	829446.647
211	526619.156	829450.339
212	526352.551	829365.121
213	526347.557	828652.884
214	526315.329	828434.623
215	526237.878	828435.041
216	526220.679	828436.406
217	526237.385	828369.043
218	526230.571	828315.899
219	526345.245	828323.230
220	526357.081	828087.761
221	526353.148	827687.780
222	526356.037	827379.402
223	526382.421	827114.227

R/W MONUMENT POINT NUMBER AND COORDINATE TABLE		
POINT	Y	X
300	526619.156	829450.339
301	526620.538	829586.289
302	526622.003	829682.327
303	526633.766	830118.500
304	526649.239	830541.658
305	526660.914	830969.528
306	526390.538	830991.002
307	526383.360	830601.626
308	526383.417	830551.378
309	526377.982	830402.745
310	526357.610	830336.901
311	526375.569	830336.765
312	526367.943	830128.220
313	526353.136	829448.513
314	526352.551	829365.121

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.

N

RONALD J. TREINEN
HEATHER L. TREINEN

PROPOSED TLE (TYP)

SLOPE INTERCEPT (TYP)

ALLIANT ENERGY

PROPOSED ROW (TYP)

EXISTING ROW (TYP)

BEGIN CONSTRUCTION
SHOULDER REPLACEMENT
STA 131+95'EB' LT
MATCH EXISTING

128'EB' STH 19 130'EB' 132'EB' 134'EB' 136'WB' 136'EB' 138'EB' 140'WB' 140'EB' STH 19

S88°01'43"E

PC: 135+00.00'EB'

PCC: 138+00.34'EB'

PT: 140+86.00'EB'

PI STA = 139+43.27'EB'
Y = 526859.026
X = 825604.437
DELTA = 5°27'20"
D = 1°54'35"
T = 142.94'
L = 285.66'
R = 3000.00'
PC STA = 138+00.34'EB'
Y = 526869.261
X = 825461.867
PT STA = 140+86.00'EB'
Y = 526835.281
X = 825745.389
BK = S85°53'37"E
AH = S80°26'17"E

OVERHEAD SIGN SUPPORT
S-13-500
(SEE DETAIL)

CENTURYLINK

TDS TELECOM

BEGIN CONSTRUCTION
SHOULDER REPLACEMENT
STA 131+25'EB' RT
MATCH EXISTING

BEGIN PROJECT
STA 134+80.00'EB'

STEVEN F. GREVE
MARY L. GREVE

WOODBURN INCOME TR, MARY A

5

5

VPI STA 136'EB'+70.00
VPI EL 906.76

VPT STA 138'EB'+60.00
VPT EL 901.09

VPC STA 134'EB'+80.00
VPC EL 910.52

VCL = 380.00
K = 379.04

EXISTING GROUND

PROPOSED PROFILE

-2.98%

-3.31%

-3.05%

SPECIAL DITCH RT

920 910 900 890 885

127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142

917.72 917.74 917.73 917.57 917.38 917.14 916.90 916.53 916.16 915.63 915.05 914.36 913.68 912.88 912.03 911.15 910.12 910.12 908.89 909.07 907.75 907.96 906.64 906.78 905.48 905.53 904.18 904.22 902.98 902.84 901.62 901.39 900.36 899.90 898.98 898.41 897.46 896.92 895.35 895.43 894.17 893.94 892.56 892.45 890.94 890.96

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	PLAN AND PROFILE: 'EB'	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0501A_EB_PP.DWG
LAYOUT NAME - PP_01

PLOT DATE : 4/30/2019 12:06 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:100 FT

RONALD J. TREINEN
HEATHER L. TREINEN
ALLIANT ENERGY
CENTURYLINK
RIVER ROAD
REMOVE DRIVEWAY
DANE COUNTY
MG&E
MCI
CHARTER COMMUNICATION
WISDOT
CAUTION
SLOPE INTERCEPT (TYP)
PROPOSED ROW (TYP)
EXISTING ROW (TYP)
YAHARA RIVER
MMSD
VILLAGE OF DEFOREST
B-13-795
GEODETIC SURVEY CONTROL STATION (SEE SPECIAL PROVISIONS)
STH 19
142'WB'
144'WB'
142'EB'
144'EB'
S80°26'17"E
148'WB'
150'WB'
152'WB'
154'WB'
156'WB'
156'EB'
154'EB'
152'EB'
150'EB'
148'EB'
146'EB'
S77°42'42"E
S83°13'40"E
BM #2224
HMOD
PC: 143+24.17'EB'
EP: 144+05.24'EB'
WOODBURN INCOME TR, MARY A
PI STA = 143+66.64'EB'
Y = 526788.661
X = 826022.139
DELTA = 42°13'29"
D = 52°05'13"
T = 42.47'
L = 81.07'
R = 110.00'
PC STA = 143+24.17'EB'
PT STA = 144+05.24'EB'
BP: 145+79.32'EB'
PC: 146+53.61'EB'
PT: 147+98.02'EB'
PC: 153+20.52'EB'
PROPOSED BERM
COMPUTED SECTION CORNER LOCATION
MONUMENTED MEANDER CORNER (SEE SPECIAL PROVISIONS)
B-13-794
WETLAND BOUNDARY (TYP)
WI DNR
CONSTRUCTION PERMIT (TYP)
PROPERTY LINE (TYP)
DANE COUNTY
APPROXIMATE DRAIN TILE LOCATIONS. AVOID DISTURBING OUTSIDE PROPOSED CONSTRUCTION LIMITS.
PI STA = 147+25.87'EB'
Y = 526653.546
X = 826331.894
DELTA = 5°30'57"
D = 3°49'11"
T = 72.26'
L = 144.41'
R = 1500.00'
PC STA = 146+53.61'EB'
Y = 526662.067
X = 826260.139
PT STA = 147+98.02'EB'
Y = 526638.167
X = 826402.498
BK = S83°13'40"E
AH = S77°42'42"E
PI STA = 157+09.07'EB'
Y = 526444.267
X = 827292.678
DELTA = 12°51'06"
D = 1°39'39"
T = 388.56'
L = 773.85'
R = 3450.00'
PC STA = 153+20.52'EB'
Y = 526526.964
X = 826913.024
PT STA = 160+94.37'EB'
Y = 526448.088
X = 827681.216
BK = S77°42'42"E
AH = N89°26'12"E
S.E. = 4.0%
L.R. = 160'
STA. 156+83'EB', RT
1 - 26' 15-INCH CP CL. III-A REQ'D
2 - APRON ENDWALLS REQ'D

BENCH MARKS

NO.	STATION	OFFSET	DESCRIPTION	ELEV.
2224	154+68'WB'	11.6' RT	DISC ON SW BRIDGE PARAPET	873.45'

STA. 154+98'EB'
STRUCTURE B-13-794 REQ'D
SINGLE SPAN 45W-INCH
PRESTRESSED GIRDER
40' - 9" CLEAR ROADWAY
SKEW 5° LHF

STA 143+40.00
EL 886.78
-2.98%
-2.67%
-2.00%
STA 143+55.00
EL 886.38
STA 144+05.24
EL 885.38
-1.52%
SPECIAL DITCH RT
STA 145'EB'+79.32
EL 881.92
-1.99%
VPC STA 147'EB'+20.00
VPC EL 879.12
VCL = 400.00
K = 269.13
PROPOSED PROFILE
VPI STA 149'EB'+20.00
VPI EL 875.15
VPT STA 151'EB'+20.00
VPT EL 874.15
EXISTING GROUND
SPECIAL DITCH RT
-0.50%
-1.00%
-14.50%
-1.50%
MEDIAN SPECIAL DITCH
MEDIAN SPECIAL DITCH
-0.50%
-0.46%
HIGH WATER EL. 861.9
100
WATER EL. 855.2 (4-22-16)
STREAM BED EL. 852.6±
0.00%
25.00%
5.33%
VCL = 340.00
K = 340.00
VPC STA 156'EB'+52.00
VPC EL 871.49
890
880
870
860
855
142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157

| | | | |

MMSD

PI: 163+67.83'EBL'
Delta = 4°34'26"
Y = 526,486.775
X = 827,954.313

DANE COUNTY

STA 159+53.66 'EB'=
STA 159+52.37 'EBL'
Y = 526,449.574
X = 827,540.523

CHARTER COMMUNICATION

ALLIANT ENERGY

MCI

N

PROPERTY LINE (TYP)

YARAHA GATEWAY LLC

VILLAGE OF DEFOREST

TIERNEY CROSSING

EXISTING ROW (TYP)

YARAHA GATEWAY LLC

VILLAGE OF DEFOREST

CAUTION

MG&E

PI: 163+67.83'EBL'

158'WB' 160'WB' 162'WB' 164'WB' 164'EBL' N89°26'12"E 166'WB' 168'WB' 170'WB' 172'WB'

STH 19

158'EB' 160'EBL' N84°51'45"E 162'EBL' 160'EB' 162'EB' 164'EB' 166'EB' 168'EB' 170'EB' 172'EB'

STH 19

N89°26'12"E

PT: 160+94.37'EB'

CENTURYLINK

PROPOSED ROW (TYP)

PI STA = 157+09.07'EB'
Y = 526444.267
X = 827292.678
DELTA = 12°51'06"
D = 1°39'39"
T = 388.56'
L = 773.85'
R = 3450.00'
PC STA = 153+20.52'EB'
Y = 526526.964
X = 826913.024
PT STA = 160+94.37'EB'
Y = 526448.088
X = 827681.216
BK = S77°42'42"E
AH = N89°26'12"E
S.E. 4.0%
L.R. = 160'

YAHARA RIVER ACCESS

CONSTRUCTION PERMIT (TYP)

LIUNA WAY

PROPOSED TLE (TYP)

WISCONSIN LABORERS APPRENTICESHIP & TRAINING FUND

SLOPE INTERCEPT (TYP)

DANE COUNTY

NOTE:
ARCHAEOLOGICAL SITE IS LOCATED BETWEEN THE YAHARA RIVER AND TIERNEY CROSSING/LIUNA WAY (WEST). CONTRACTOR SHALL AVOID USING AREAS OUTSIDE THE PROPOSED CONSTRUCTION LIMITS WITHIN THAT RANGE FOR OBTAINING BORROW AND FOR STAGING OF PERSONNEL, EQUIPMENT, AND/OR SUPPLIES.

VCL = 340.00
K = 340.00

VCL = 265.00
K = 265.00

LOW POINT STA 158+22.00
LOW POINT EL 871.06

VPT STA 159'EB'+92.00
VPT EL 871.49

VPC STA 169'EB'+39.50
VPC EL 876.23

VPI STA 170'EB'+72.00
VPI EL 876.890

HIGH POINT STA 170+72.00
HIGH POINT EL 876.56

MEDIAN SPECIAL DITCH

PROPOSED PROFILE

0.50%

-0.32%

0.50%

VPI STA 158'EB'+22.00
VPI EL 870.64

0.30%

0.30%

1.47%

-0.50%

-1.07%

0.50%

SPECIAL DITCH RT

EXISTING GROUND

890 880 870 860

157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172

| | | |

YARAHA GATEWAY LLC

ALLIANT ENERGY

CENTURYLINK

MG&E

MCI

EXISTING ROW (TYP)

SLOPE INTERCEPT (TYP)

PROPERTY LINE (TYP)

CAUTION

VILLAGE OF DEFOREST

CASHEL WAY

WINDSOR GATEWAY LLC

N

MONUMENTED SECTION CORNERS
(SEE SPECIAL PROVISIONS)

172'WB' 174'WB' 176'WB' 178'WB' 180'WB' 182'WB' 184'WB' 186'WB'

STH 19

172'EB' 174'EB' 176'EB' 178'EB' N89°26'12"E 180'EB' 182'EB' 184'EB' 186'EB'

PC: 185+06.86'EB'

STH 19

REMOVE BUILDING

PI STA = 187+16.32'EB'
Y = 526473.872
X = 830303.041
DELTA = 2°09'44"
D = 0°30'58"
T = 209.46'
L = 418.87'
R = 11100.00'
PC STA = 185+06.86'EB'
Y = 526471.812
X = 830093.590
PT STA = 189+25.73'EB'
Y = 526483.832
X = 830512.265
BK = N89°26'12"E
AH = N87°16'28"E

WISCONSIN LABORERS
APPRENTICESHIP &
TRAINING FUND

VCL = 300.00
K = 197.20

VCL = 1000.00
K = 316.09

VPT STA 172'EB'+04.50
VPT EL 876.23

VPC STA 174'EB'+00.00
VPC EL 875.25

LOW POINT STA 174+98.60
LOW POINT EL 875.00

VPT STA 177'EB'+00.00
VPT EL 876.03

HIGH POINT STA 185+47.82
HIGH POINT EL 883.04

PROPOSED PROFILE

-0.50% 1.02% 0.61% -0.50%

-0.75% -0.50% 0.50% 3.55% 0.50%

MEDIAN SPECIAL DITCH

MEDIAN SPECIAL DITCH

0.85%

SPECIAL DITCH RT

EXISTING GROUND

VPI STA 175'EB'+50.00
VPI EL 874.50

VPC STA 182'EB'+25.00
VPC EL 881.39

890 880 870 860

172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187

867.10 876.25	866.97 876.00	867.14 875.75	867.37 875.50	867.62 875.25
867.95 875.06	868.70 875.00	869.67 875.07	872.13 875.26	873.02 875.58
874.02 876.03	873.61 876.54	873.84 877.05	874.47 877.56	875.15 878.07
875.95 878.59	876.87 879.10	877.81 879.61	879.13 880.12	879.98 880.63
880.93 881.14	882.10 881.64	883.19 882.07	883.64 882.42	884.19 882.70
883.65 882.89	882.71 883.01	883.29 883.04	882.99 883.00	883.59 882.88
882.85 882.68				

PROJECT NO:5290-00-72	HWY: STH 19	COUNTY: DANE	PLAN AND PROFILE: 'EB'	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0501A_EB_PP.DWG
LAYOUT NAME - PP_04

PLOT DATE : 4/30/2019 12:07 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:100 FT

WINDSOR GATEWAY LLC

VILLAGE OF DEFOREST

CENTURYLINK

EXISTING ROW (TYP)

EXIT RAMP

ALLIANT ENERGY

ATC

CAUTION

N

MCI

SLOPE INTERCEPT (TYP)

AVOID PULL BOXES

IH 39/90/94

WISDOT

186'WB' 188'WB' 190'WB' 192'WB' 194'WB' 196'WB' 198'WB'

STH 19

186'EB' 188'EB' 190'EB' 192'EB' 194'EB' 196'EB' N89°35'36"E 198'EB' STH 19

PRC: 189+25.73'EB'

VILLAGE OF DEFOREST

OVERHEAD SIGN SUPPORT S-13-499 (SEE DETAIL)

PT: 193+75.00'EB'

EP: 200+00.00'EB'

CAUTION

MG&E

PI STA = 187+16.32'EB'
Y = 526473.872
X = 830303.041
DELTA = 2°09'44"
D = 0°30'58"
T = 209.46'
L = 418.87'
R = 11100.00'
PC STA = 185+06.86'EB'
Y = 526471.812
X = 830093.590
PT STA = 189+25.73'EB'
Y = 526483.832
X = 830512.265
BK = N89°26'12"E
AH = N87°16'28"E

PI STA = 191+50.40'EB'
Y = 526494.516
X = 830736.674
DELTA = 2°19'08"
D = 0°30'58"
T = 224.66'
L = 449.27'
R = 11100.00'
PC STA = 189+25.73'EB'
Y = 526483.832
X = 830512.265
PT STA = 193+75.00'EB'
Y = 526496.110
X = 830961.333
BK = N87°16'28"E
AH = N89°35'36"E

WISCONSIN LABORERS APPRENTICESHIP & TRAINING FUND

LIUNA WAY

WISCONSIN LABORERS APPRENTICESHIP & TRAINING FUND

MMSD

ENTRANCE RAMP

END PROJECT
STA 194+00.00'EB'

5

5

VPI STA 187'EB'+25.00
VPI EL 886.50

VPT STA 192'EB'+25.00
VPT EL 875.79

PROPOSED PROFILE

MEDIAN SPECIAL DITCH

EXISTING GROUND

SPECIAL DITCH RT

-0.50%
-0.71%
-3.19%
-1.14%
-2.14%
-2.04%

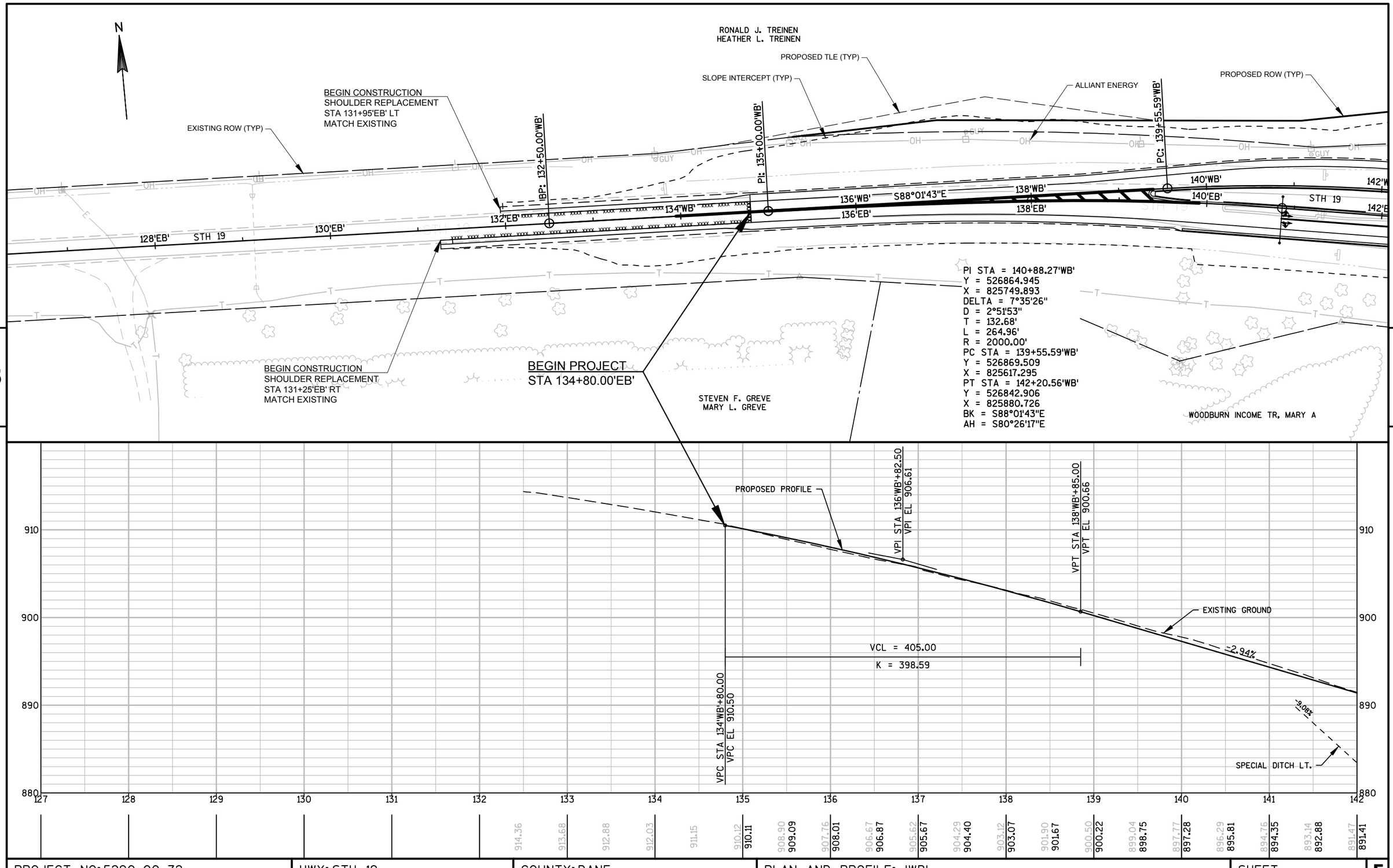
VCL = 1000.00
K = 316.09

890
880
870
860

187 188 189 190 191 192 193 194 195 196 197 198 199 200

882.85 882.68
882.44 882.40
881.22 882.04
877.85 881.60
877.92 881.08
879.03 880.48
879.89 879.81
879.20 879.05
878.42 878.22
877.47 877.31
876.37 876.31
875.33 875.25
874.22 874.18
873.13 873.11
872.02 872.04
871.05
870.11
869.39
868.83
868.50
868.44
868.28
868.04
867.86
867.81
867.90
868.09

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	PLAN AND PROFILE: 'EB'	SHEET	E



PROJECT NO:5290-00-72	HWY: STH 19	COUNTY: DANE	PLAN AND PROFILE: 'WB'	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0501B_WB_PP.DWG
LAYOUT NAME - PP_01
PLOT DATE : 4/30/2019 12:09 PM
PLOT BY : KRUEGER, KIRK
PLOT NAME :
PLOT SCALE : 1 IN:100 FT

RONALD J. TREINEN
HEATHER L. TREINEN
ALLIANT ENERGY
CENTURYLINK
RIVER ROAD
WISDOT
REMOVE DRIVEWAY
OVERHEAD SIGN SUPPORT S-13-498 (SEE DETAIL)
CHARTER COMMUNICATION
DANE COUNTY
SLOPE INTERCEPT (TYP)
PROPOSED ROW (TYP)
EXISTING ROW (TYP)
STA. 155+17'WB'
REMOVE STRUCTURE B-13-861
2-SPAN SLAB
76' OVERALL LENGTH
47' OVERALL WIDTH
MMSD
WETLAND BOUNDARY (TYP)
DANE COUNTY
VILLAGE OF DEFOREST
YAHARA RIVER
B-13-795
B-13-794
STH 19
MCI
MG&E
CAUTION
BM #2224
HMOD
GEODETIC SURVEY CONTROL STATION (SEE SPECIAL PROVISIONS)
COMPUTED SECTION CORNER LOCATION
MONUMENTED MEANDER CORNER (SEE SPECIAL PROVISIONS)
WI DNR
CONSTRUCTION PERMIT (TYP)
PROPERTY LINE (TYP)
WOODBURN INCOME TR, MARY A

PT: 142+20.56'WB'
PC: 143+31.74'WB'
PT: 143+68.35'WB'
EP: 144+25.29'WB'
142'WB'
S80°26'17"E
144'WB'
142'EB'
144'EB'
BP: 146+08.01'WB'
PC: 147+89.18'WB'
148'WB'
S81°54'28"E
148'EB'
146'EB'
PT: 146+89.07'WB'
PT: 151+18.74'WB'
150'WB'
152'WB'
S77°42'42"E
150'EB'
152'EB'
PC: 153+31.84'WB'
154'WB'
154'EB'
156'WB'
156'EB'

PI STA = 143+50.05'WB'
Y = 526821.395
X = 826008.419
DELTA = 3°29'43"
D = 9°32'57"
T = 18.31'
L = 36.60'
R = 600.00'
PC STA = 143+31.74'WB'
Y = 526824.436
X = 825990.367
PT STA = 143+68.35'WB'
Y = 526819.461
X = 826026.623
BK = S80°26'17"E
AH = S83°55'59"E

PI STA = 146+50.48'WB'
Y = 526699.534
X = 826250.000
DELTA = 42°13'29"
D = 52°05'13"
T = 42.47'
L = 81.07'
R = 110.00'
PC STA = 146+08.01'WB'
Y = 526732.220
X = 826222.879
PT STA = 146+89.07'WB'
Y = 526693.555
X = 826292.050
BK = S39°41'00"E
AH = S81°54'28"E

PI STA = 149+54.04'WB'
Y = 526656.257
X = 826554.375
DELTA = 4°11'46"
D = 1°16'24"
T = 164.85'
L = 329.56'
R = 4500.00'
PC STA = 147+89.18'WB'
Y = 526679.463
X = 826391.162
PT STA = 151+18.74'WB'
Y = 526621.171
X = 826715.452
BK = S81°54'28"E
AH = S77°42'42"E

PI STA = 157+14.77'WB'
Y = 526494.320
X = 827297.818
DELTA = 12°51'06"
D = 1°41'07"
T = 382.93'
L = 762.64'
R = 3400.00'
PC STA = 153+31.84'WB'
Y = 526575.818
X = 826923.666
PT STA = 160+94.48'WB'
Y = 526498.086
X = 827680.724
BK = S77°42'42"E
AH = N89°26'12"E

DANE COUNTY

BENCH MARKS

NO.	STATION	OFFSET	DESCRIPTION	ELEV.
2224	154+68'WB'	11.6' RT	DISC ON SW BRIDGE PARAPET	873.45'

STA 144+25.29'WB'
EL 885.32
-2.60%
-2.00%
-9.08%
STA 143+75.00'WB'
EL 886.32
STA 143+60.00'WB'
EL 886.71
STA 146+08.01'WB'
EL 881.86
VCL = 400.00
K = 265.84
PROPOSED PROFILE
-2.00%
-0.50%
EXISTING GROUND
VPC STA 147'WB'+50.00
VPC EL 879.01
VPI STA 149'WB'+50.00
VPI EL 875.00
VPT STA 151'WB'+50.00
VPT EL 874.00
-2.50%
-1.00%
-5.50%
-6.75%
-1.50%
-4.12%
SPECIAL DITCH LT.
STA. 155+11'WB'
STRUCTURE B-13-795 REQ'D
SINGLE SPAN 45W-INCH
PRESTRESSED GIRDER
40' - 9" CLEAR ROADWAY
SKEW 5° LHF
VPC STA 156'WB'+70.00
VPC EL 871.40
-0.50%
-0.30%
HIGH WATER EL. 861.9
100
SPECIAL DITCH LT.
WATER EL. 855.2 (4-22-16)
STREAM BED EL. 851.9±
S.E. 4.0%
L.R. = 160'

890
880
870
860
855
142
143
144
145
146
147
148
149
150
151
152
153
154
155
156
157

891.47 891.41
889.83 889.94
888.19 888.47
886.40 887.00
884.74 885.82
878.70 881.01
877.27 880.01
876.44 879.01
875.42 878.05
874.29 877.19
873.37 876.43
872.55 875.75
871.88 875.17
871.45 874.69
871.02 874.30
870.65 874.00
870.39 873.75
870.30 873.50
870.16 873.25
870.11 873.00
870.27 872.75
870.45 872.50
854.39 872.25
870.67 872.00
870.62 871.75
870.65 871.50
870.57 871.27

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	PLAN AND PROFILE: 'WB'	SHEET E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0501B_WB_PP.DWG
LAYOUT NAME - PP_02
PLOT DATE : 4/30/2019 12:09 PM
PLOT BY : KRUEGER, KIRK
PLOT NAME :
PLOT SCALE : 1 IN:100 FT

STA. 160+36'WB'
CONSTRUCT PE, LT
1 - 38' 18-INCH CP CL.III-A REQ'D
2 - 6:1 SLOPE STEEL ENDWALLS REQ'D

MMSD
DANE COUNTY
CHARTER COMMUNICATION
ALLIANT ENERGY
MCI
N
PROPERTY LINE (TYP)
YARAHA GATEWAY LLC
VILLAGE OF DEFOREST
TIERNEY CROSSING
EXISTING ROW (TYP)
YARAHA GATEWAY LLC
VILLAGE OF DEFOREST
CAUTION
MG&E
PT: 160+94.48'WB'
158'WB'
160'WB'
162'WB'
164'WB'
166'WB'
N89°26'12"E
168'WB'
170'WB'
172'WB'
STH 19
158'EB'
160'EB'
162'EB'
164'EB'
166'EB'
168'EB'
170'WBL'
N89°26'12"E
STH 19
172'WBL'
170'EB'
172'EB'
PI: 172+30.45'WBL'
CENTURYLINK
PROPOSED ROW (TYP)
YAHARA RIVER ACCESS
CONSTRUCTION PERMIT (TYP)
SLOPE INTERCEPT (TYP)
DANE COUNTY
LIUNA WAY
SIGN
WISCONSIN LABORERS APPRENTICESHIP & TRAINING FUND

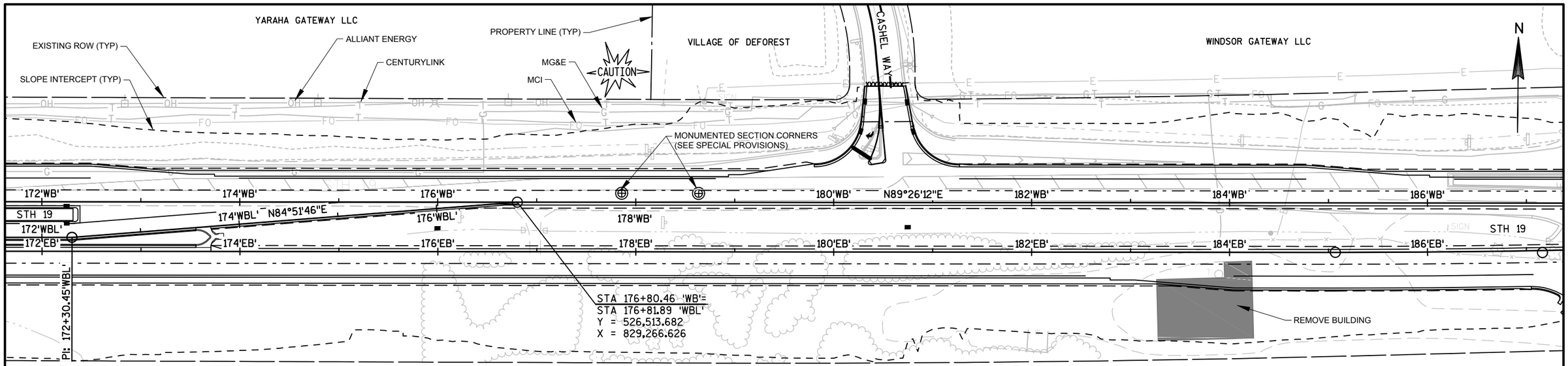
PI STA = 157+14.77'WB'
Y = 526494.320
X = 827297.818
DELTA = 12°51'06"
D = 1°41'07"
T = 382.93'
L = 762.64'
R = 3400.00'
PC STA = 153+31.84'WB'
Y = 526575.818
X = 826923.666
PT STA = 160+94.48'WB'
Y = 526498.086
X = 827680.724
BK = S77°42'42"E
AH = N89°26'12"E
S.E. = 4.0%
L.R. = 160'

NOTE:
ARCHAEOLOGICAL SITE IS LOCATED BETWEEN THE YAHARA RIVER AND TIERNEY CROSSING/LIUNA WAY (WEST). CONTRACTOR SHALL AVOID USING AREAS OUTSIDE THE PROPOSED CONSTRUCTION LIMITS WITHIN THAT RANGE FOR OBTAINING BORROW AND FOR STAGING OF PERSONNEL, EQUIPMENT, AND/OR SUPPLIES.

VCL = 260.00
K = 260.00
VPT STA 159'WB'+30.00
VPT EL 871.40
VPI STA 158'WB'+00.00
VPI EL 870.75
PROPOSED PROFILE
EXISTING GROUND
0.50%
2.00%
0.50%
-8.04%
-0.30%
1.23%
SPECIAL DITCH LT.
VPC STA 169'WB'+17.50
VPC EL 876.34
VPI STA 170'WB'+50.00
VPI EL 877.00
VPT STA 171'WB'+82.50
VPT EL 876.34
VCL = 265.00
K = 265.00

890
880
870
860
157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172

| | | |

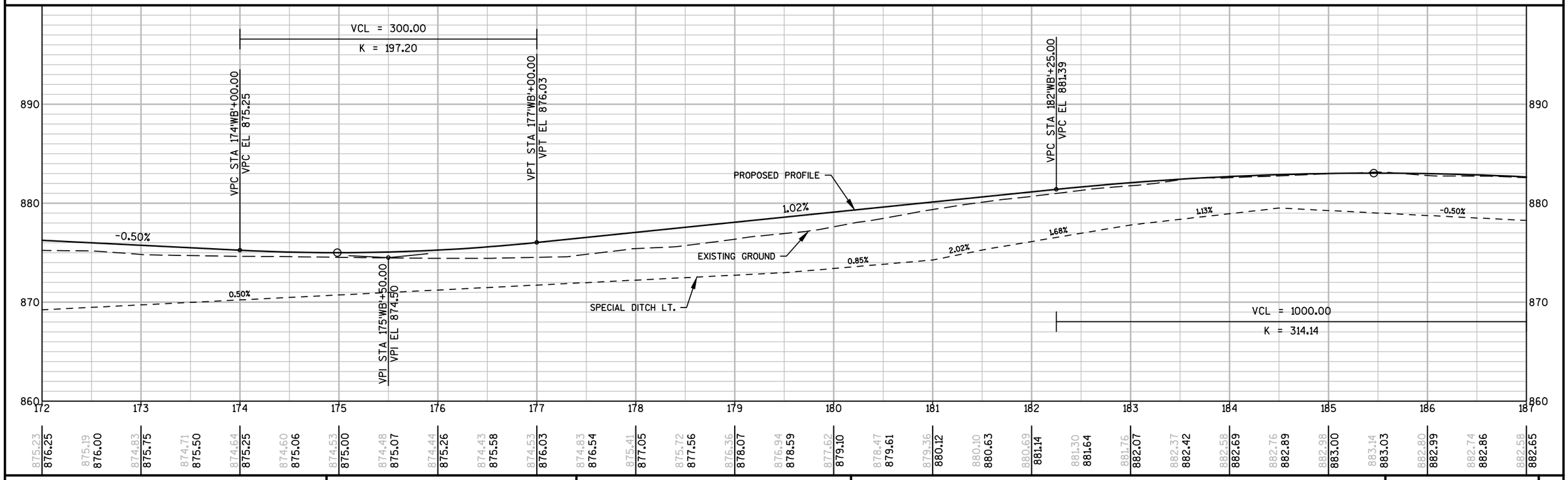


5

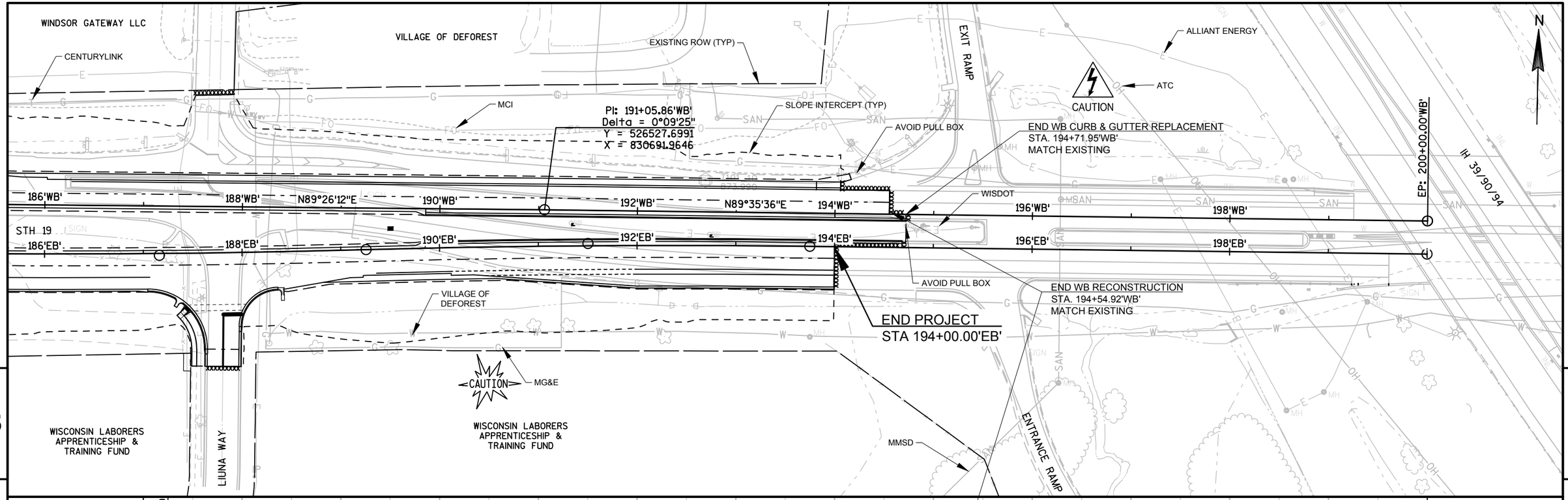
PI: 172+30.45'WBL'
Delta = 4°34'26"
Y = 526,473.258
X = 828,817.000

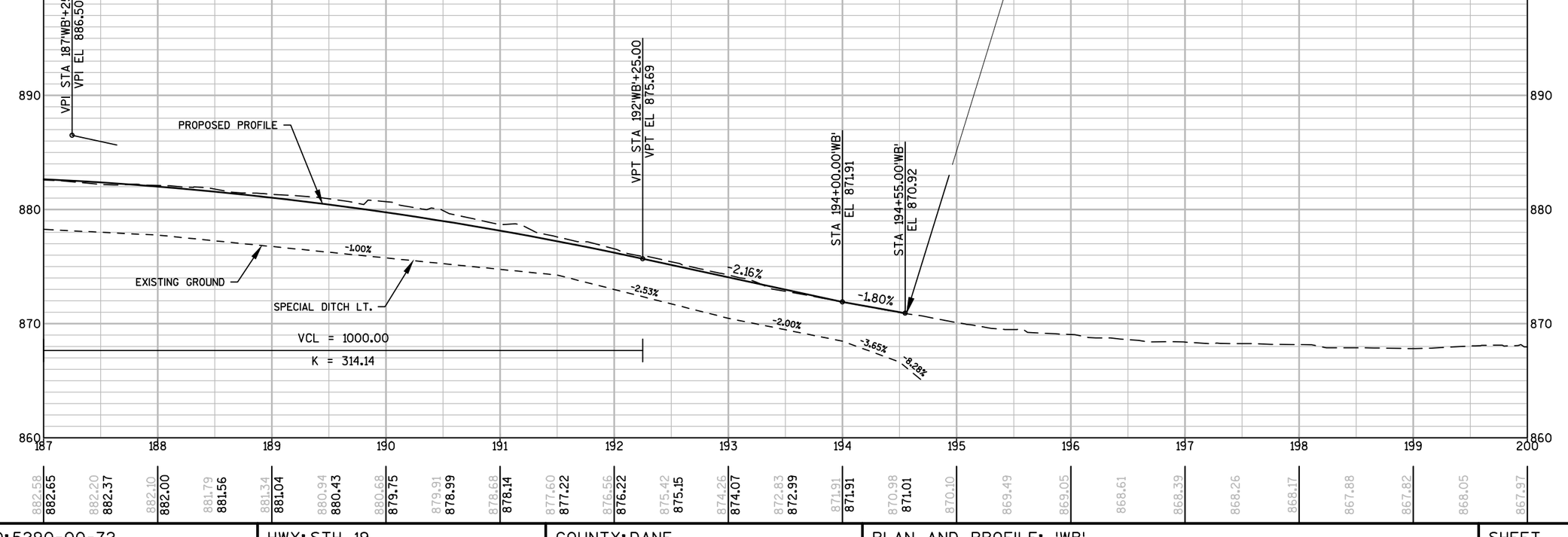
WISCONSIN LABORERS
APPRENTICESHIP &
TRAINING FUND

5



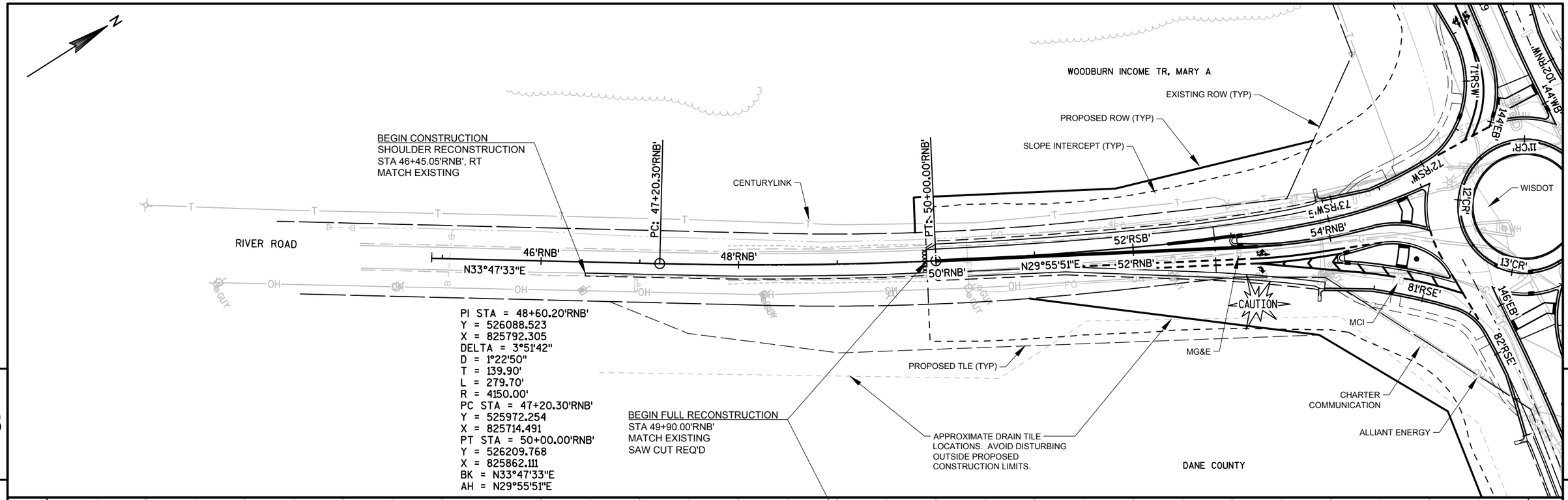
PROJECT NO:5290-00-72	HWY: STH 19	COUNTY: DANE	PLAN AND PROFILE: 'WB'	SHEET	E





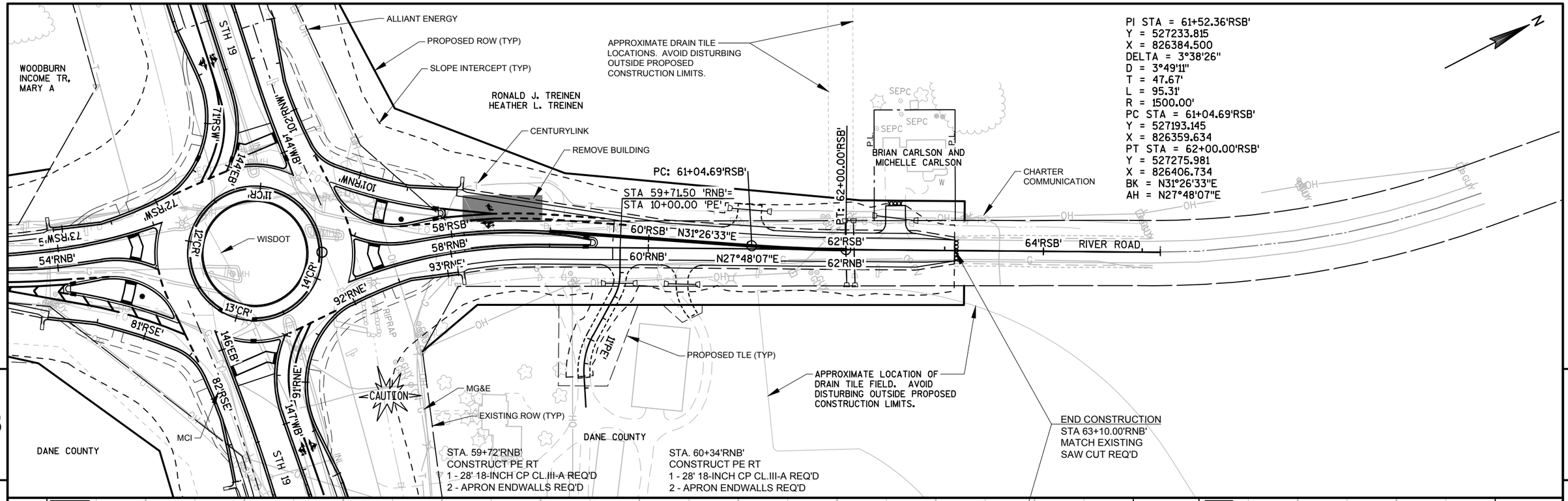
PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	PLAN AND PROFILE: 'WB'	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0501B_WB_PP.DWG
LAYOUT NAME - PP_05
PLOT DATE : 4/30/2019 12:10 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:100 FT



PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	PLAN AND PROFILE: 'RNB' RIVER ROAD	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0501C_RIVER_PP.DWG
LAYOUT NAME - PP_100
PLOT DATE : 4/30/2019 11:51 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:100 FT

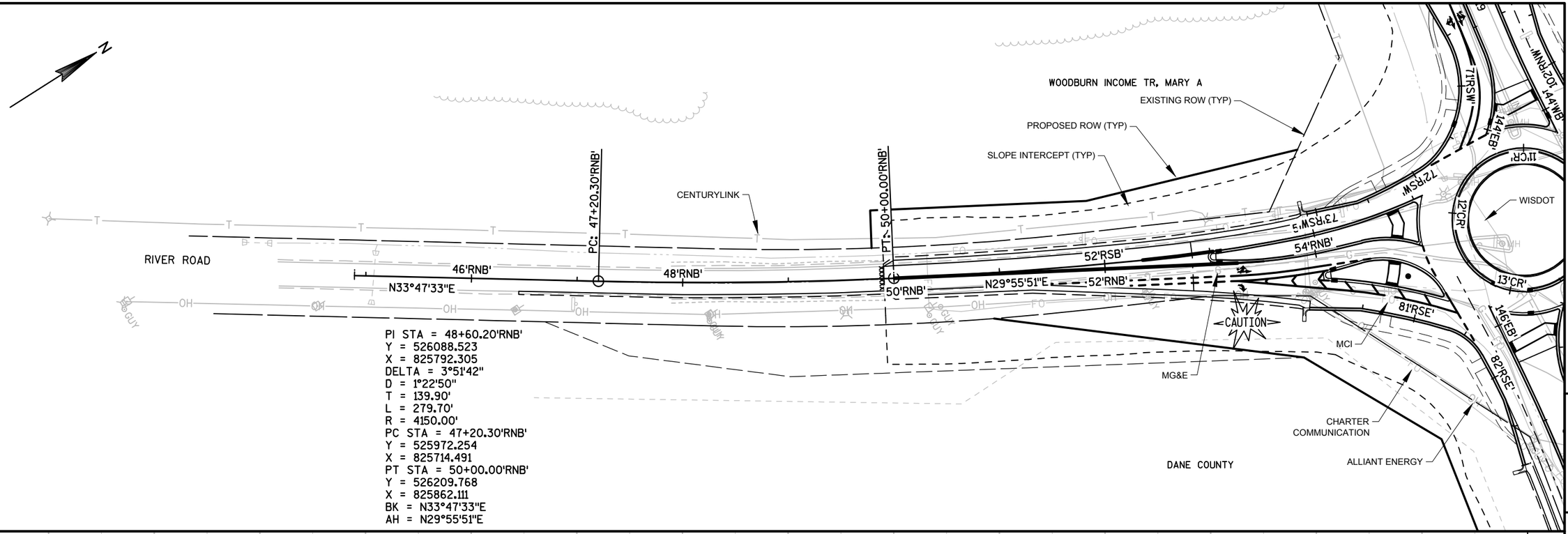


880.84	882.69	880.43	882.02	878.47
880.88	876.19	879.24	874.43	877.33
872.82	875.62	871.80	874.15	870.97
872.95	870.61	872.00	870.53	871.31
870.50	870.87	870.42	870.69	870.67
870.76	870.72	870.80	870.92	871.28

872.23	874.96	871.62	873.79	873.95
874.83	875.28			

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	PLAN AND PROFILE: 'RNB' RIVER ROAD	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0501C_RIVER_PP.DWG
LAYOUT NAME - PP_101
PLOT DATE : 4/30/2019 11:51 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:100 FT



PROJECT NO:5290-00-72	HWY: STH 19	COUNTY: DANE	PLAN AND PROFILE: 'RSB' RIVER ROAD	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0501C_RIVER_PP.DWG
LAYOUT NAME - PP_102

PLOT DATE : 4/30/2019 11:51 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:100 FT

ALLIANT ENERGY
PROPOSED ROW (TYP)
SLOPE INTERCEPT (TYP)
WOODBURN INCOME TR, MARY A
STH 19
RONALD J. TREINEN
HEATHER L. TREINEN
CENTURYLINK
REMOVE BUILDING
STA. 61+00'RSB'
CONSTRUCT FE LT
1 - 36' 18-INCH CP CL.III-A REQ'D
2 - APRON ENDWALLS REQ'D
APPROXIMATE DRAIN TILE LOCATIONS. AVOID DISTURBING OUTSIDE PROPOSED CONSTRUCTION LIMITS.
STA. 62+50'RSB'
CONSTRUCT PE LT
1 - 38' 18-INCH CP CL.III-A REQ'D
2 - APRON ENDWALLS REQ'D
BRIAN CARLSON AND MICHELLE CARLSON
CHARTER COMMUNICATION
PI STA = 61+52.36'RSB'
Y = 527233.815
X = 826384.500
DELTA = 3°38'26"
D = 3°49'11"
T = 47.67'
L = 95.31'
R = 1500.00'
PC STA = 61+04.69'RSB'
Y = 527193.145
X = 826359.634
PT STA = 62+00.00'RSB'
Y = 527275.981
X = 826406.734
BK = N31°26'33"E
AH = N27°48'07"E
PC: 61+04.69'RSB'
STA 59+71.50 'RNB'=
STA 10+00.00 'PE'
PT: 62+00.00'RSB'
60'RSB' N31°26'33"E
60'RNB' N27°48'07"E
62'RSB'
62'RNB'
64'RSB' RIVER ROAD
58'RSB'
58'RNB'
93'RNE'
92'RNE'
54'RNB'
73'RSW'
72'RSW'
102'RNW'
144'WB'
101'RNW'
146'EB'
11'CR'
12'CR'
14'CR'
13'CR'
WISDOT
81'RSE'
146'EB'
82'RSE'
91'RNE'
147'WB'
RIPRAP
CAUTION
MG&E
EXISTING ROW (TYP)
MCI
DANE COUNTY
DANE COUNTY
PROPOSED TLE (TYP)
APPROXIMATE LOCATION OF DRAIN TILE FIELD. AVOID DISTURBING OUTSIDE PROPOSED CONSTRUCTION LIMITS.
N

VPC STA 57+25.00'RSB'
VPC EL 883.02
VPI STA 58+00.00'RSB'
VPI EL 881.52
VPT STA 58+75.00'RSB'
VPT EL 878.54
VCL = 400.00
K = 94.54
VPT STA 62+85.00'RSB'
VPT EL 870.72
STA 63+10.00'RSB'
EL 870.78
2.00%
-3.97%
PROPOSED PROFILE
EXISTING GROUND
STA 56+96.14'RSB'
EL 883.60
VCL = 150.00
K = 76.07
VPC STA 58+85.00'RSB'
VPC EL 878.14
0.26%
-1.35%
2.55%
SPECIAL DITCH LT
VPI STA 60+85.00'RSB'
VPI EL 870.20
STA. 62+00.03'RSB' & 62+08.39'RSB'
2 - 61' 24x38-INCH CPRCHE CL. HE III REQ'D
4 - APRON ENDWALLS REQ'D

890 880 870 860
54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69

881.52 883.52 | 880.33 882.48 | 877.91 881.15 | 875.38 879.49 | 873.97 877.56 | 872.69 875.79 | 871.76 874.28 | 871.01 873.03 | 870.59 872.05 | 870.52 871.33 | 870.50 870.88 | 870.42 870.69 | 870.67 870.76 | 870.72 | 870.80 | 870.92 | 871.28

PROJECT NO:5290-00-72	HWY: STH 19	COUNTY: DANE	PLAN AND PROFILE: 'RSB' RIVER ROAD	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0501C_RIVER_PP.DWG
LAYOUT NAME - PP_103
PLOT DATE : 4/30/2019 11:52 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:100 FT

WOODBURN INCOME TR, MARY A

PROPOSED ROW (TYP)

CENTURYLINK

SLOPE INTERCEPT (TYP)

RONALD J. TREINEN
HEATHER L. TREINEN

CHARTER COMMUNICATION

REMOVE BUILDING

STA 59+71.50 'RNB'=
STA 10+00.00 'PE'

RIVER ROAD

WISDOT

MG&E

CAUTION

MCI

ALLIANT ENERGY

EXISTING ROW (TYP)

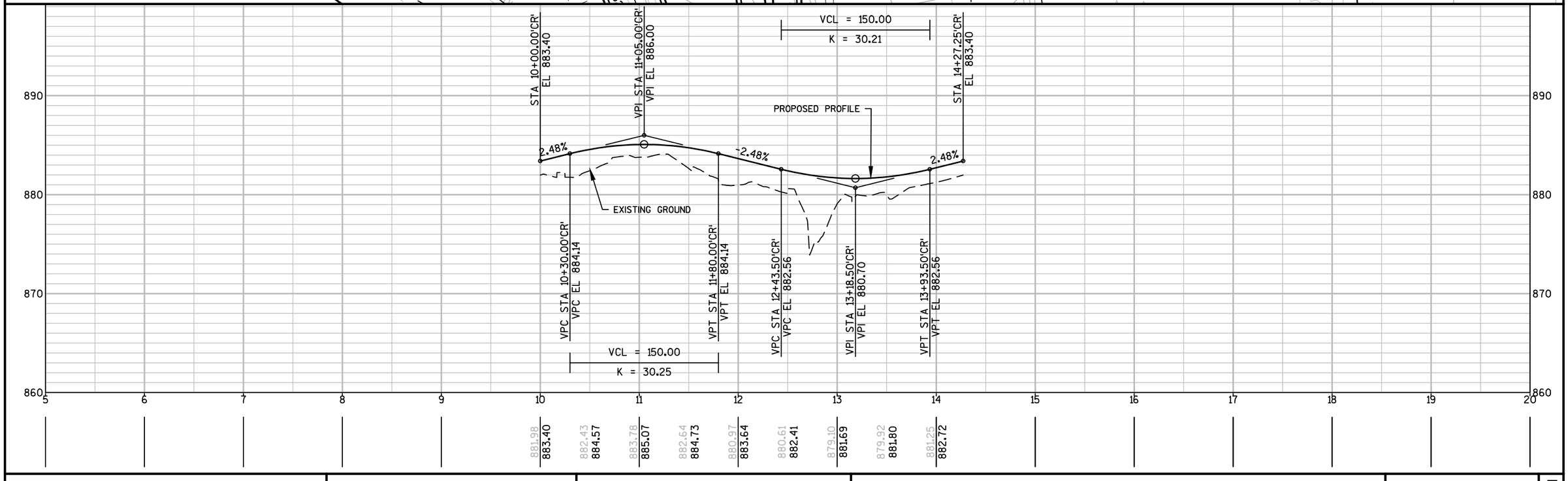
PROPOSED TLE (TYP)

DANE COUNTY

RIPRAP

5

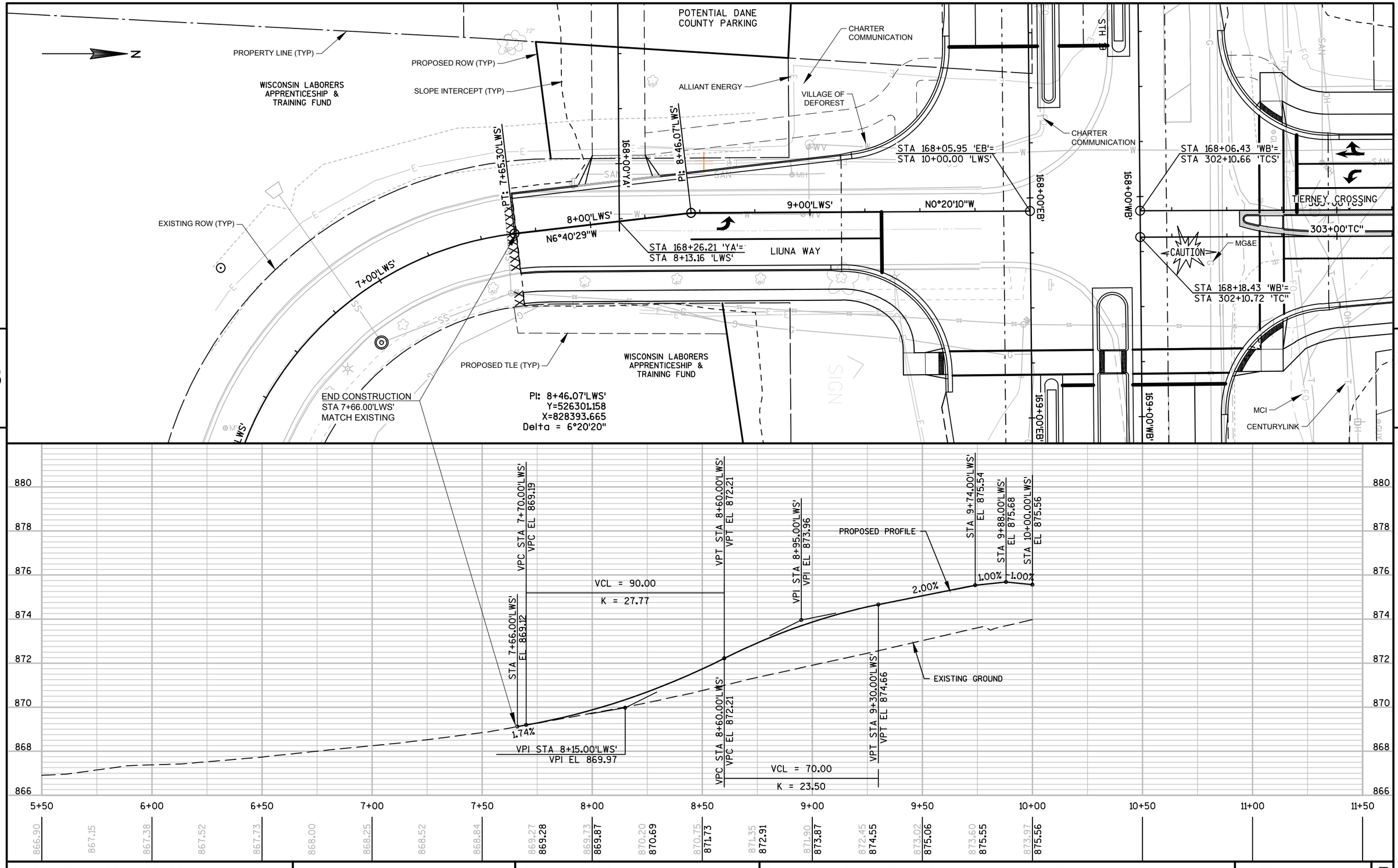
5



PROJECT NO:5290-00-72	HWY: STH 19	COUNTY: DANE	PLAN AND PROFILE: 'CR' ROUNDABOUT CENTER	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0501C_RIVER_PP.DWG
LAYOUT NAME - PP_104

PLOT DATE : 4/30/2019 11:52 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:50 FT



PROJECT NO:5290-00-72	HWY: STH 19	COUNTY: DANE	PLAN AND PROFILE: 'LWS' LIUNA WAY WEST	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0501D_SIDE RDS_EAST_PP.DWG
LAYOUT NAME - PP_200
PLOT DATE : 4/30/2019 11:59 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:40 FT

PROPOSED ROW (TYP)
STH 19
CAUTION
MG&E
PROPOSED TLE (TYP)
SLOPE INTERCEPT (TYP)
YAHARA GATEWAY LLC
CHARTER COMMUNICATION
EXISTING ROW (TYP)
N
VILLAGE OF DEFOREST
STA 168+05.95 'EB'=
STA 10+00.00 'LWS'
168+00'EB'
STA 168+06.43 'WB'=
STA 302+10.66 'TCS'
168+00'WB'
9+00'LWS'
N0°20'10"W
LIUNA WAY
303+00'TCS'
TIERNEY CROSSING
304+00'TCS'
305+00'TCS'
306+00'TCS'
303+00'TC"
304+00'TC"
305+00'TC"
306+00'TC"
N0°13'19"W
STA 168+18.43 'WB'=
STA 302+10.72 'TC"
CENTURYLINK
MCI
VILLAGE OF DEFOREST
ALLIANT ENERGY
END CONSTRUCTION
STA 304+11.57'TC'
MATCH EXISTING
YAHARA GATEWAY LLC
169+00'EB'
169+00'WB'
5
5
VCL = 124.00
K = 34.97
STA 302+22.72'TC"
EL 875.96
STA 302+46.72'TC"
EL 875.62
VPC STA 302+84.00'TC"
VPC EL 874.87
VPT STA 304+08.00'TC"
VPT EL 874.57
PROPOSED PROFILE
1.00%
-1.00%
2.00%
-2.01%
1.53%
STA 302+10.72'TC"
EL 875.84
STA 302+36.72'TC"
EL 875.82
VPI STA 303+46.00'TC"
VPI EL 873.62
EXISTING GROUND
STA 304+15.00'TC"
EL 874.68
SPECIAL DITCH RT
882
880
878
876
874
872
870
868
300+50
301+00
301+50
302+00
302+50
303+00
303+50
304+00
304+50
305+00
305+50
306+00
306+50
875.70 875.94
875.04 875.56
872.98 875.05
872.99 874.59
869.26 874.29
872.11 874.17
873.70 874.22
873.99 874.46
874.86
875.29
875.68
876.07
876.43
876.78
877.13
877.53
877.91
878.34

PROJECT NO:5290-00-72	HWY: STH 19	COUNTY: DANE	PLAN AND PROFILE: 'TC' TIERNEY CROSSING NORTHBOUND	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0501D_SIDE RDS_EAST_PP.DWG
LAYOUT NAME - PP_201
PLOT DATE : 4/30/2019 11:59 AM
PLOT BY : KRUEGER, KIRK
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

PROPOSED ROW (TYP)
STH 19
CAUTION
MG&E
PROPOSED TLE (TYP)
SLOPE INTERCEPT (TYP)
YAHARA GATEWAY LLC
CHARTER COMMUNICATION
EXISTING ROW (TYP)
N
VILLAGE OF DEFOREST
STA 168+05.95 'EB'=
STA 10+00.00 'LWS'
168+00'EB'
STA 168+06.43 'WB'=
STA 302+10.66 'TCS'
168+00'WB'
9+00'LWS'
N0°20'10"W
LIUNA WAY
303+00'TCS'
TIERNEY CROSSING
304+00'TCS'
305+00'TCS'
306+00'TCS'
303+00'TC"
304+00'TC"
305+00'TC"
306+00'TC"
N0°13'19"W
STA 168+18.43 'WB'=
STA 302+10.72 'TC"
CENTURYLINK
MCI
VILLAGE OF DEFOREST
ALLIANT ENERGY
END CONSTRUCTION
STA 304+37.00'TCS'
MATCH EXISTING
YAHARA GATEWAY LLC
169+00'EB'
169+00'WB'
SIGN
5
5

VCL = 124.00
K = 34.82

STA 302+10.66'TCS'
EL 875.78
STA 302+22.66'TCS'
EL 875.90
STA 302+36.66'TCS'
EL 875.76
STA 302+46.66'TCS'
EL 875.56
VPC STA 302+82.00
VPC EL 874.86
VPT STA 304+06.00
VPT EL 874.61
STA 304+40.00'TCS'
EL 875.15
VPK STA 303+44.00
VPK EL 873.63

1.00%
-1.00%
2.00%
-1.98%
1.58%
1.47%
1.50%
0.50%

PROPOSED PROFILE
EXISTING GROUND
SPECIAL DITCH LT

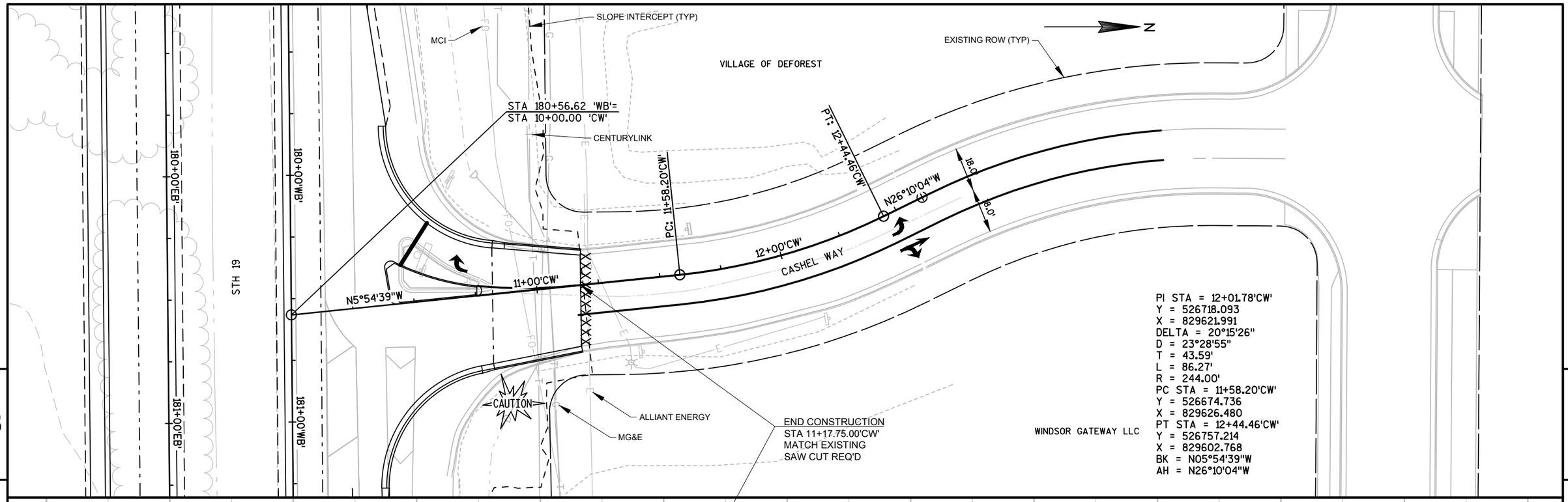
882
880
878
876
874
872
870
868

300+50 301+00 301+50 302+00 302+50 303+00 303+50 304+00 304+50 305+00 305+50 306+00 306+50

875.68 875.88
875.04 875.50
873.19 875.00
873.68 874.55
872.12 874.27
870.07 874.18
873.08 874.26
873.93 874.52
874.91 874.91
875.30
875.69
876.07
876.44
876.79
877.14
877.54
877.93
878.25

PROJECT NO:5290-00-72	HWY: STH 19	COUNTY: DANE	PLAN AND PROFILE: 'TCS' TIERNEY CROSSING SOUTHBOUND	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0501D_SIDE RDS_EAST_PP.DWG
LAYOUT NAME - PP_202
PLOT DATE : 4/30/2019 11:59 AM
PLOT BY : KRUEGER, KIRK
PLOT NAME :
PLOT SCALE : 1 IN:40 FT



PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	PLAN AND PROFILE: 'CW' CASHEL WAY	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0501D_SIDE RDS_EAST_PP.DWG
LAYOUT NAME - PP_203
PLOT DATE : 4/30/2019 11:59 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:40 FT

EXISTING ROW (TYP)

WISCONSIN LABORERS APPRENTICESHIP & TRAINING FUND

SLOPE INTERCEPT (TYP)

PROPOSED TLE (TYP)

LIUNA WAY

8+00'LES'

9+00'LES'

N0°33'21"W

187+00'EB'

STH 19

187+00'WB'

188+00'EB'

188+00'WB'

STA 187+81.84 'EB'=
STA 10+00.00 'LES'

CENTURYLINK

N

WINDSOR GATEWAY LLC

ALLIANT ENERGY

CAUTION

WISCONSIN LABORERS APPRENTICESHIP & TRAINING FUND

MG&E

END CONSTRUCTION
STA 8+85.00'LES'
MATCH EXISTING

VILLAGE OF DEFOREST

MCI

VILLAGE OF DEFOREST

PROPERTY LINE (TYP)

5

5

STA 8+85.00'LES'
EL 882.72

STA 9+73.99'LES'
EL 882.14

STA 9+88.00'LES'
EL 882.42

STA 10+00.00'LES'
EL 882.18

-0.85%

0.98%

1.98%

2.02%

EXISTING GROUND

PROPOSED PROFILE

STA 9+63.99'LES'
EL 882.04

888
886
884
882
880
878
876
874

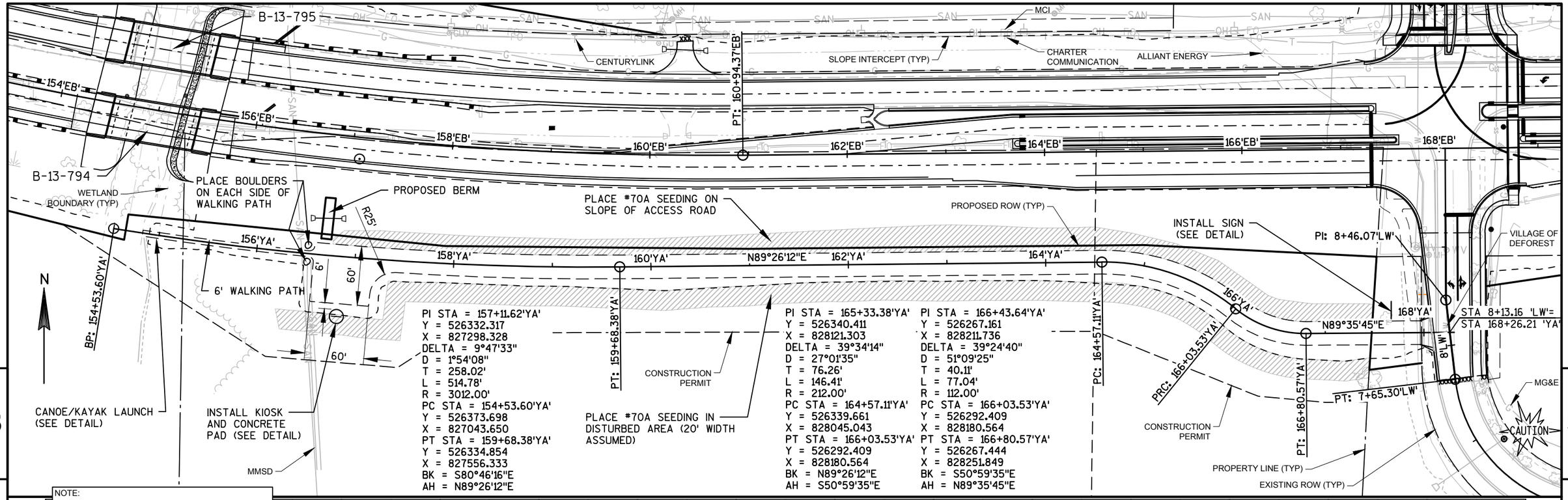
7+00 7+50 8+00 8+50 9+00 9+50 10+00 10+50 11+00 11+50 12+00 12+50 13+00

882.06 882.44 882.65 882.73 882.69 882.59 882.50 882.37 882.30 882.16 882.12 882.16 881.95 882.18

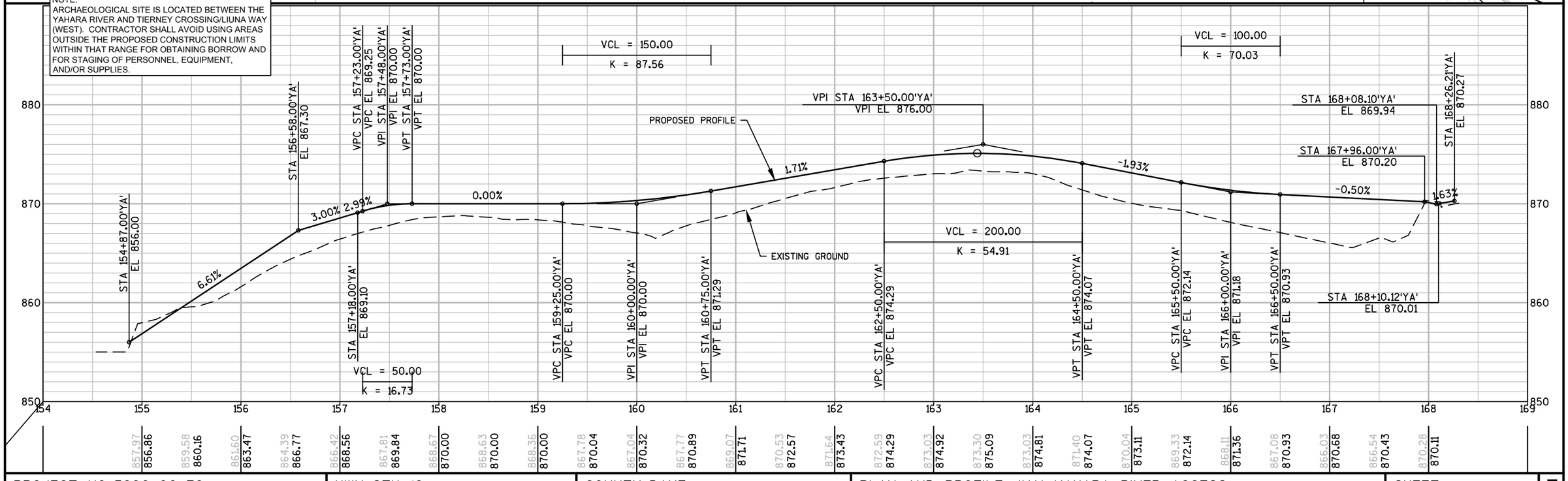
PROJECT NO:5290-00-72	HWY: STH 19	COUNTY: DANE	PLAN AND PROFILE: 'LES' LUINA WAY EAST	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0501D_SIDE RDS_EAST_PP.DWG
LAYOUT NAME - PP_204

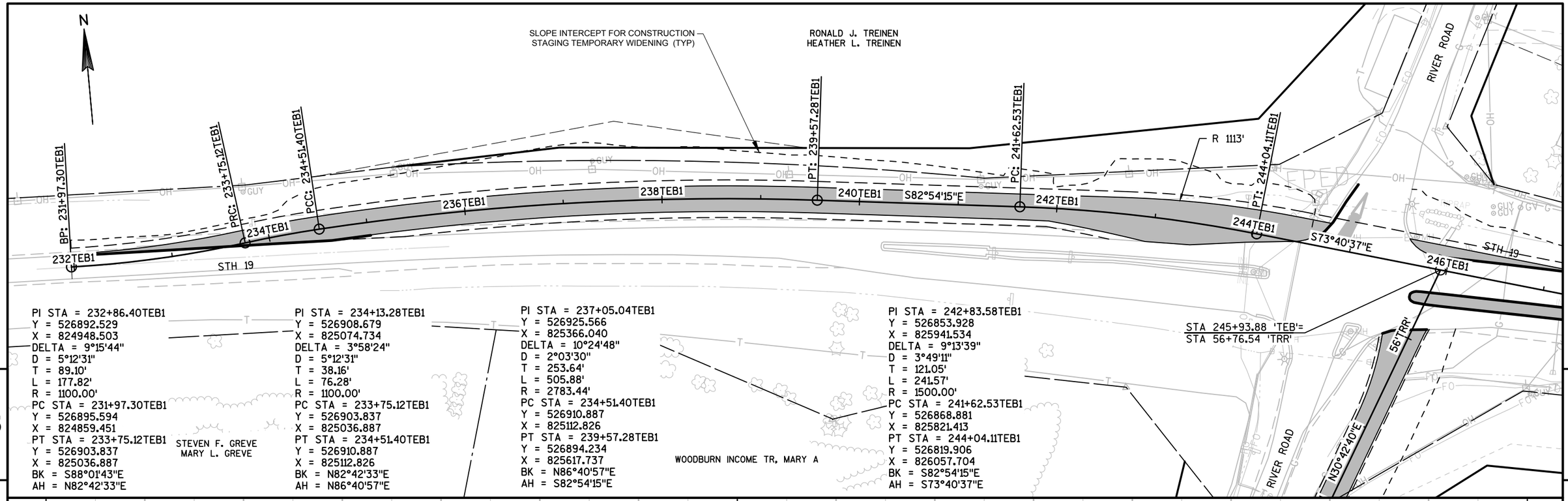
PLOT DATE : 4/30/2019 12:00 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:40 FT

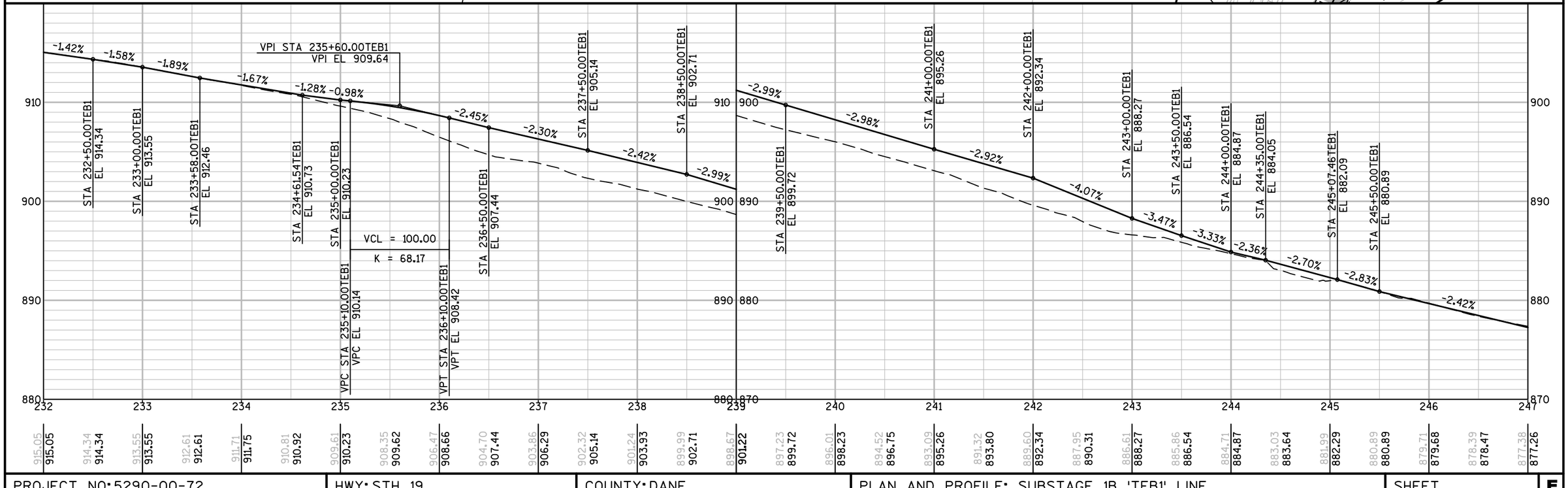


NOTE:
ARCHAEOLOGICAL SITE IS LOCATED BETWEEN THE YAHARA RIVER AND TIERNEY CROSSING/LIUNA WAY (WEST). CONTRACTOR SHALL AVOID USING AREAS OUTSIDE THE PROPOSED CONSTRUCTION LIMITS WITHIN THAT RANGE FOR OBTAINING BORROW AND FOR STAGING OF PERSONNEL, EQUIPMENT, AND/OR SUPPLIES.



PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	PLAN AND PROFILE: 'YA' YAHARA RIVER ACCESS	SHEET E





PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	PLAN AND PROFILE: SUBSTAGE 1B 'TEB1' LINE	SHEET E

SLOPE INTERCEPT FOR CONSTRUCTION STAGING TEMPORARY WIDENING (TYP)

DANE COUNTY

YAHARA RIVER

DANE COUNTY

STH 19

PC: 249+36.09TEB1

PT: 251+97.65TEB1

PC: 253+60.49TEB1

PRC: 256+49.01TEB1

PRC: 258+81.85TEB1

PT: 262+05.94TEB1

R 1037'

248TEB1

250TEB1

252TEB1

254TEB1

256TEB1

258TEB1

260TEB1

262TEB1

S73°40'37"E

S78°40'20"E

PI STA = 250+66.95TEB1
Y = 526633.611
X = 826693.829
DELTA = 4°59'44"
D = 1°54'35"
T = 130.86'
L = 261.56'
R = 3000.00'
PC STA = 249+36.09TEB1
Y = 526670.391
X = 826568.240
PT STA = 251+97.65TEB1
Y = 526607.906
X = 826822.143
BK = S73°40'37"E
AH = S78°40'20"E

PI STA = 255+04.84TEB1
Y = 526547.567
X = 827123.353
DELTA = 4°52'46"
D = 1°41'28"
T = 144.35'
L = 288.52'
R = 3388.00'
PC STA = 253+60.49TEB1
Y = 526575.920
X = 826981.816
PT STA = 256+49.01TEB1
Y = 526531.356
X = 827266.789
BK = S78°40'20"E
AH = S83°33'06"E

PI STA = 257+65.77TEB1
Y = 526518.243
X = 827382.807
DELTA = 10°40'21"
D = 4°35'01"
T = 116.76'
L = 232.84'
R = 1250.00'
PC STA = 256+49.01TEB1
Y = 526531.356
X = 827266.789
PT STA = 258+81.85TEB1
Y = 526483.871
X = 827494.390
BK = S83°33'06"E
AH = S72°52'45"E

PI STA = 260+45.19TEB1
Y = 526435.785
X = 827650.492
DELTA = 17°41'04"
D = 5°27'24"
T = 163.34'
L = 324.08'
R = 1050.00'
PC STA = 258+81.85TEB1
Y = 526483.871
X = 827494.390
PT STA = 262+05.94TEB1
Y = 526437.392
X = 827813.824
BK = S72°52'45"E
AH = N89°26'12"E

WI DNR

DANE COUNTY

DANE COUNTY

YARAHA GATEWAY LLC

VILLAGE OF DEFOREST

YARAHA GATEWAY LLC

PC: 273+08.32TEB1

PRC: 275+73.84TEB1

264TEB1

266TEB1

268TEB1

270TEB1

272TEB1

274TEB1

276TEB1

278TEB

N89°26'12"E

N89°26'12"E

LIUNA WAY

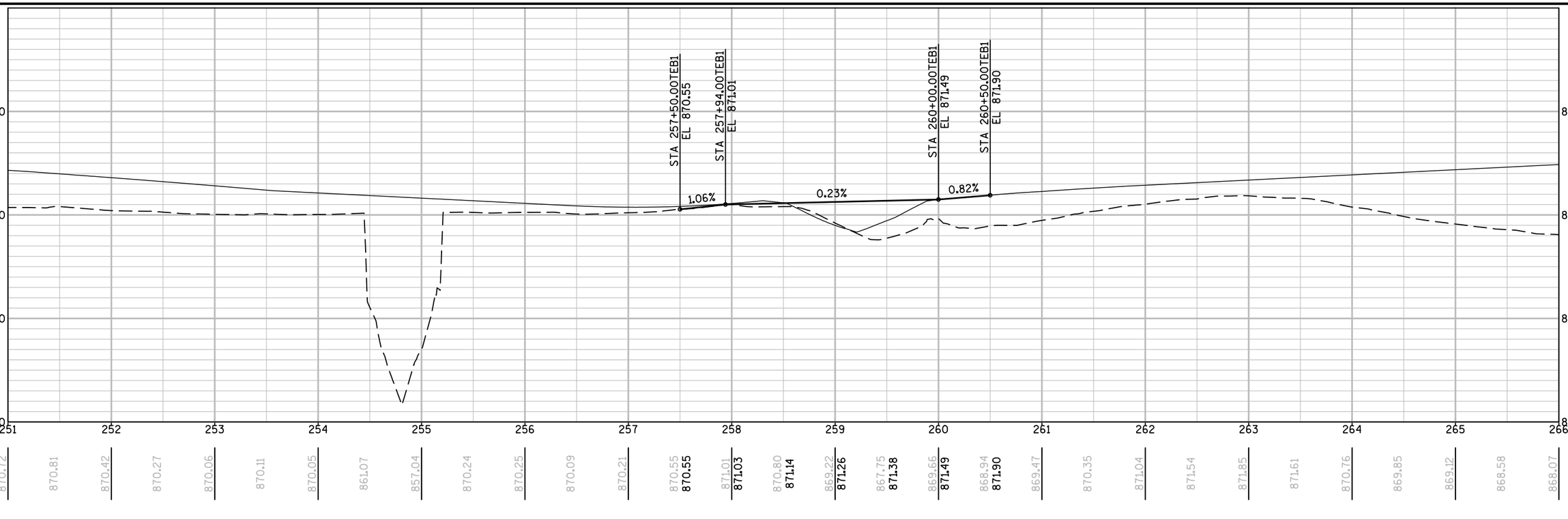
DANE COUNTY

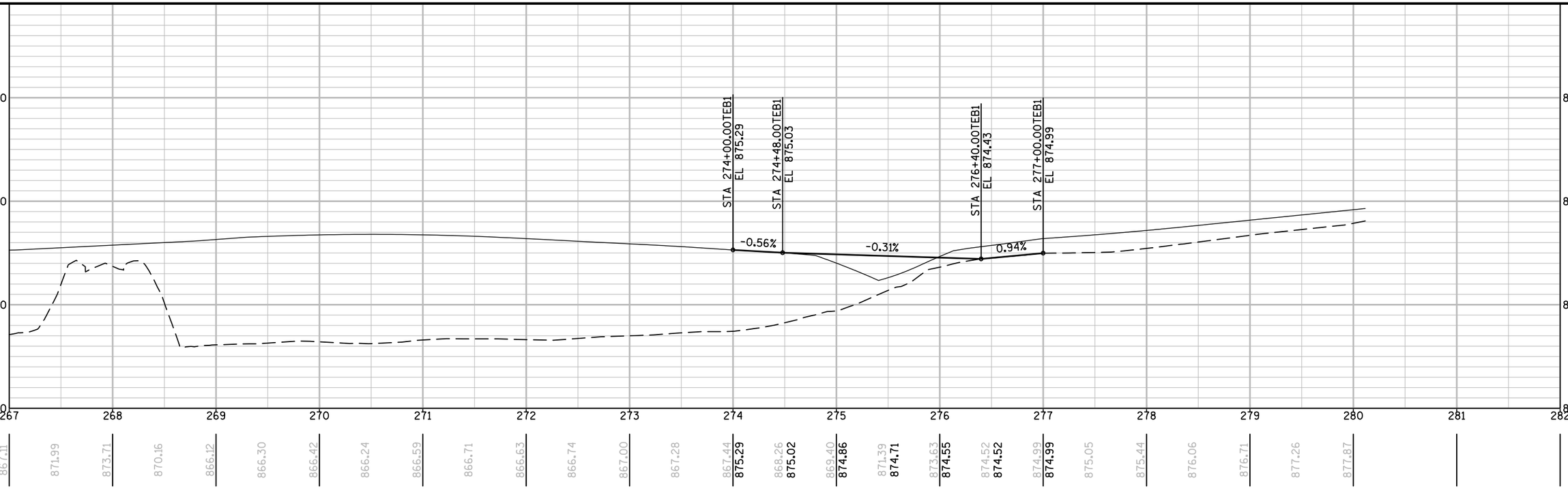
WISCONSIN LABORERS APPRENTICESHIP & TRAINING FUND

PI STA = 274+42.28TEB1
Y = 526449.550
X = 829050.107
DELTA = 18°44'08"
D = 7°03'22"
T = 133.96'
L = 265.52'
R = 812.00'
PC STA = 273+08.32TEB1
Y = 526448.232
X = 828916.158
PT STA = 275+73.84TEB1
Y = 526493.821
X = 829176.535
BK = N89°26'12"E
AH = N70°42'04"E

PI STA = 277+07.33TEB1
Y = 526537.938
X = 829302.520
DELTA = 18°24'13"
D = 6°57'12"
T = 133.49'
L = 264.67'
R = 824.00'
PC STA = 275+73.84TEB1
Y = 526493.821
X = 829176.535
PT STA = 278+38.51TEB1
Y = 526540.024
X = 829435.989
BK = N70°42'04"E
AH = N89°06'17"E

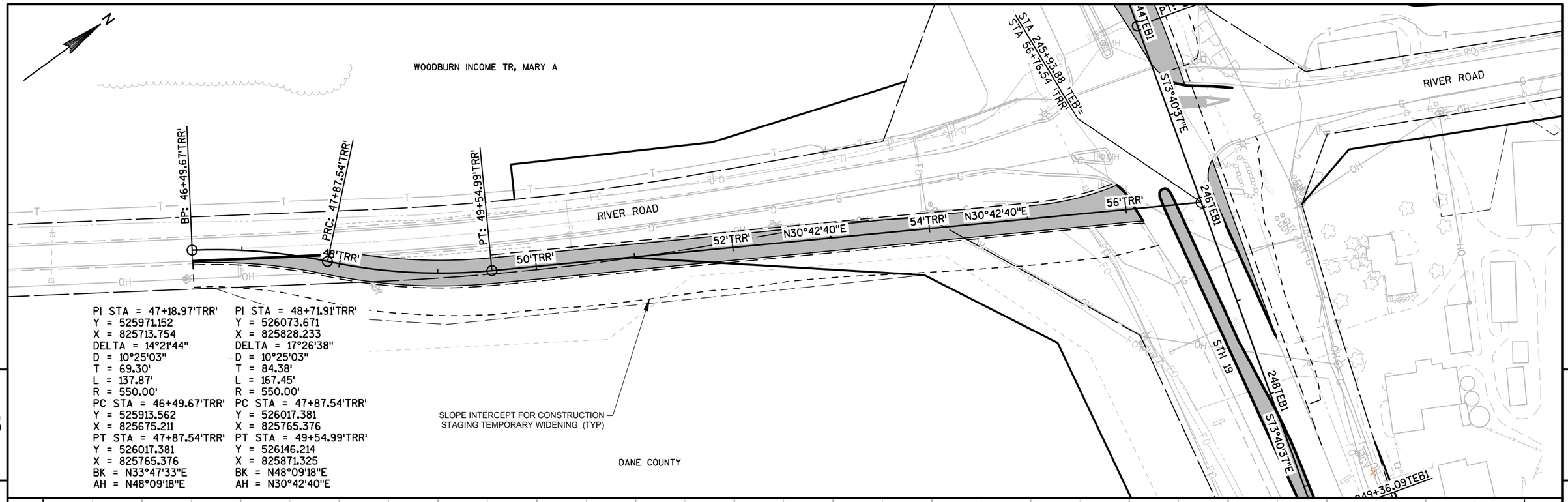
PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	PLAN AND PROFILE: SUBSTAGE 1B 'TEB1' LINE	SHEET	E





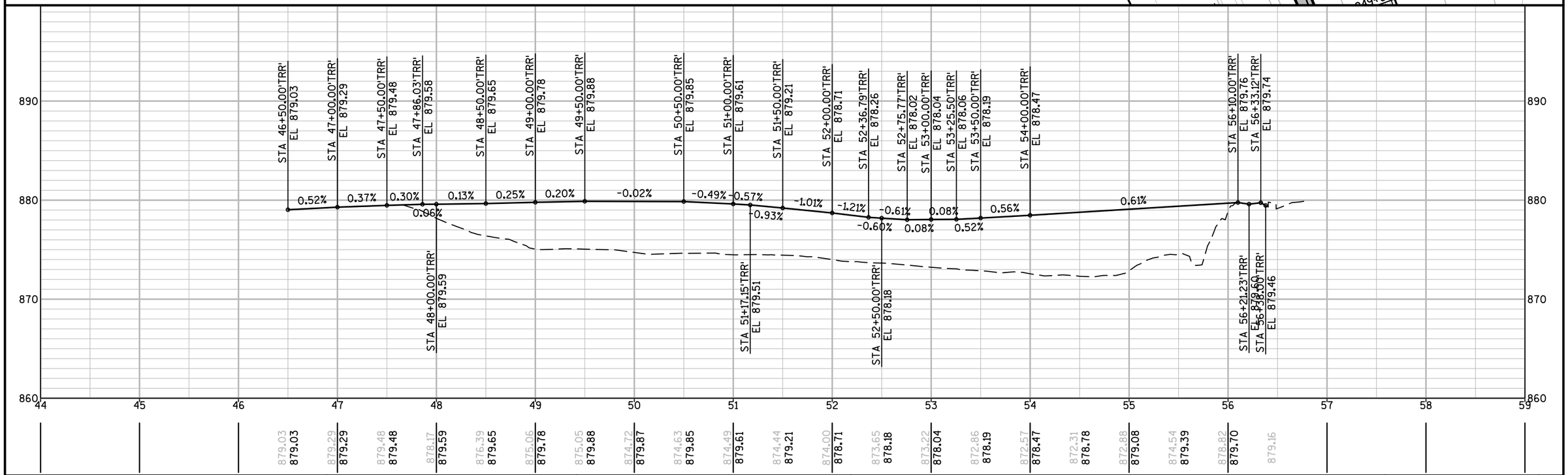
PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	PLAN AND PROFILE: SUBSTAGE 1B 'TEB1' LINE	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0501S_1B_PP.DWG
LAYOUT NAME - PP_02A
PLOT DATE : 4/23/2019 10:32 AM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : 1 IN:100 FT



PI STA = 47+18.97'TRR'
Y = 525971.152
X = 825713.754
DELTA = 14°21'44"
D = 10°25'03"
T = 69.30'
L = 137.87'
R = 550.00'
PC STA = 46+49.67'TRR'
Y = 525913.562
X = 825675.211
PT STA = 47+87.54'TRR'
Y = 526017.381
X = 825765.376
BK = N33°47'33"E
AH = N48°09'18"E

PI STA = 48+71.91'TRR'
Y = 526073.671
X = 825828.233
DELTA = 17°26'38"
D = 10°25'03"
T = 84.38'
L = 167.45'
R = 550.00'
PC STA = 47+87.54'TRR'
Y = 526017.381
X = 825765.376
PT STA = 49+54.99'TRR'
Y = 526146.214
X = 825871.325
BK = N48°09'18"E
AH = N30°42'40"E



PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	PLAN AND PROFILE: SUBSTAGE 1B 'TRR' LINE	SHEET E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0501S_1B_PP.DWG
LAYOUT NAME - PP_03
PLOT DATE : 4/23/2019 10:32 AM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : 1 IN:100 FT

PI STA = 232+12.42TEB2
Y = 526895.074
X = 824874.565
DELTA = 7°43'54"
D = 5°12'31"
T = 74.33'
L = 148.44'
R = 1100.00'
PC STA = 231+38.09TEB2
Y = 526897.631
X = 824800.277
PT STA = 232+86.53TEB2
Y = 526882.546
X = 824947.832
BK = S88°01'43"E
AH = S80°17'49"E

PI STA = 233+60.86TEB2
Y = 526870.019
X = 825021.100
DELTA = 7°43'54"
D = 5°12'31"
T = 74.33'
L = 148.44'
R = 1100.00'
PC STA = 232+86.53TEB2
Y = 526882.546
X = 824947.832
PT STA = 234+34.96TEB2
Y = 526867.462
X = 825095.387
BK = S80°17'49"E
AH = S88°01'43"E

PI STA = 238+91.01TEB2
Y = 526851.774
X = 825551.168
DELTA = 7°35'26"
D = 2°51'53"
T = 132.68'
L = 264.96'
R = 2000.00'
PC STA = 237+58.34TEB2
Y = 526856.338
X = 825418.570
PT STA = 240+23.30TEB2
Y = 526829.734
X = 825682.001
BK = S88°01'43"E
AH = S80°26'17"E

PI STA = 241+96.13TEB2
Y = 526801.024
X = 825852.432
DELTA = 11°07'53"
D = 5°12'31"
T = 107.19'
L = 213.71'
R = 1100.00'
PC STA = 240+88.94TEB2
Y = 526818.830
X = 825746.731
PT STA = 243+02.65TEB2
Y = 526763.147
X = 825952.707
BK = S80°26'17"E
AH = S69°18'24"E

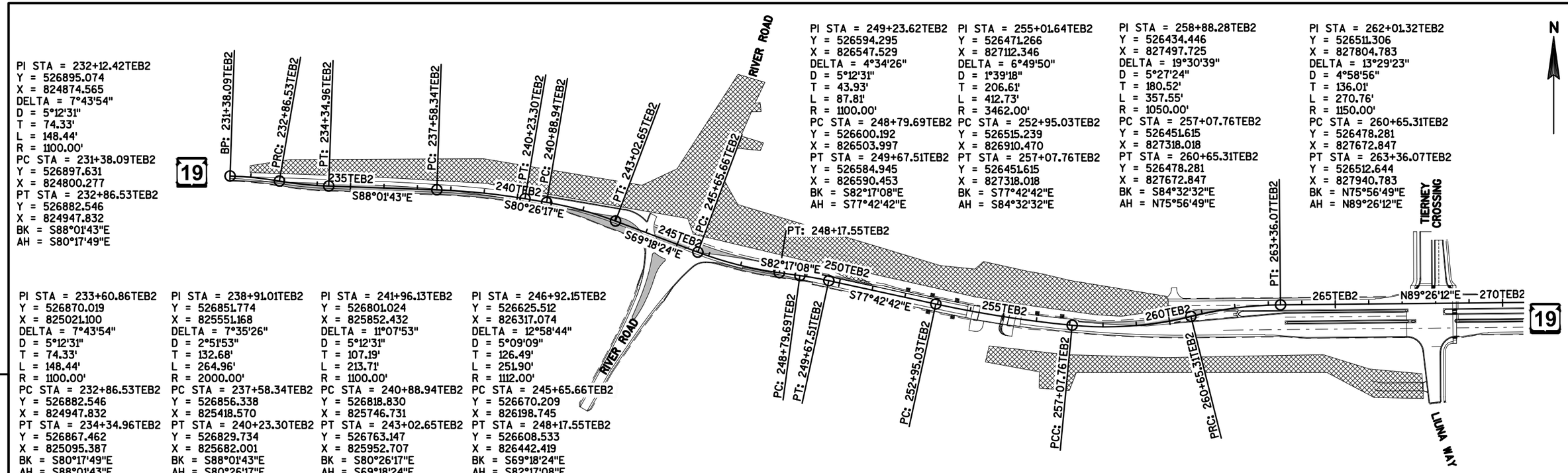
PI STA = 246+92.15TEB2
Y = 526625.512
X = 826317.074
DELTA = 12°58'44"
D = 5°09'09"
T = 126.49'
L = 251.90'
R = 1112.00'
PC STA = 245+65.66TEB2
Y = 526670.209
X = 826198.745
PT STA = 248+17.55TEB2
Y = 526608.533
X = 826442.419
BK = S69°18'24"E
AH = S82°17'08"E

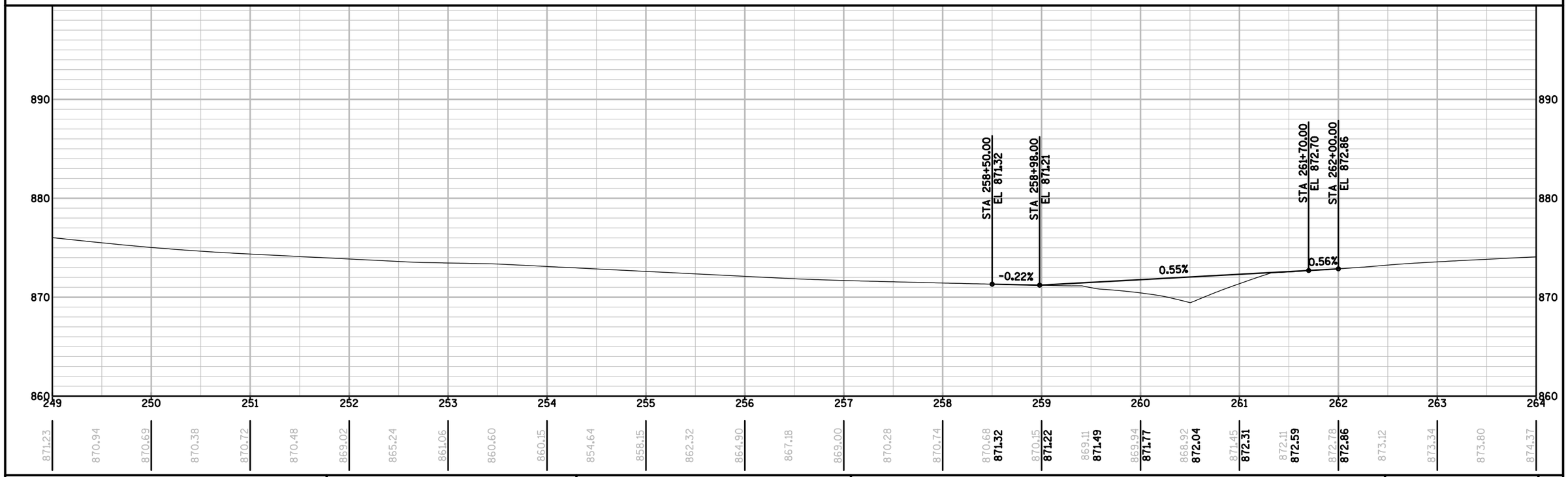
PI STA = 249+23.62TEB2
Y = 526594.295
X = 826547.529
DELTA = 4°34'26"
D = 5°12'31"
T = 43.93'
L = 87.81'
R = 1100.00'
PC STA = 248+79.69TEB2
Y = 526600.192
X = 826503.997
PT STA = 249+67.51TEB2
Y = 526584.945
X = 826590.453
BK = S82°17'08"E
AH = S77°42'42"E

PI STA = 255+01.64TEB2
Y = 526471.266
X = 827112.346
DELTA = 6°49'50"
D = 1°39'18"
T = 206.61'
L = 412.73'
R = 3462.00'
PC STA = 252+95.03TEB2
Y = 526515.239
X = 826910.470
PT STA = 257+07.76TEB2
Y = 526451.615
X = 827318.018
BK = S77°42'42"E
AH = S84°32'32"E

PI STA = 258+88.28TEB2
Y = 526434.446
X = 827497.725
DELTA = 19°30'39"
D = 5°27'24"
T = 180.52'
L = 357.55'
R = 1050.00'
PC STA = 257+07.76TEB2
Y = 526451.615
X = 827318.018
PT STA = 260+65.31TEB2
Y = 526478.281
X = 827672.847
BK = S84°32'32"E
AH = N75°56'49"E

PI STA = 262+01.32TEB2
Y = 526511.306
X = 827804.783
DELTA = 13°29'23"
D = 4°58'56"
T = 136.01'
L = 270.76'
R = 1150.00'
PC STA = 260+65.31TEB2
Y = 526478.281
X = 827672.847
PT STA = 263+36.07TEB2
Y = 526512.644
X = 827940.783
BK = N75°56'49"E
AH = N89°26'12"E





PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	PLAN AND PROFILE: SUBSTAGE 2A 'TEB2' LINE	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0501S_2A_PP.DWG
LAYOUT NAME - 01
PLOT DATE : 4/23/2019 10:33 AM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : ##########

PI STA = 272+21.32TEB2
Y = 526521.349
X = 828825.994
DELTA = 17°25'41"
D = 7°09'43"
T = 122.62'
L = 243.34'
R = 800.00'
PC STA = 270+98.70TEB2
Y = 526520.143
X = 828703.383
PT STA = 273+42.04TEB2
Y = 526485.777
X = 828943.338
BK = N89°26'12"E
AH = S73°08'08"E

PI STA = 274+66.50TEB2
Y = 526449.671
X = 829062.441
DELTA = 17°25'41"
D = 7°03'22"
T = 124.46'
L = 246.99'
R = 812.00'
PC STA = 273+42.04TEB2
Y = 526485.777
X = 828943.338
PT STA = 275+89.03TEB2
Y = 526450.895
X = 829186.892
BK = S73°08'08"E
AH = N89°26'12"E

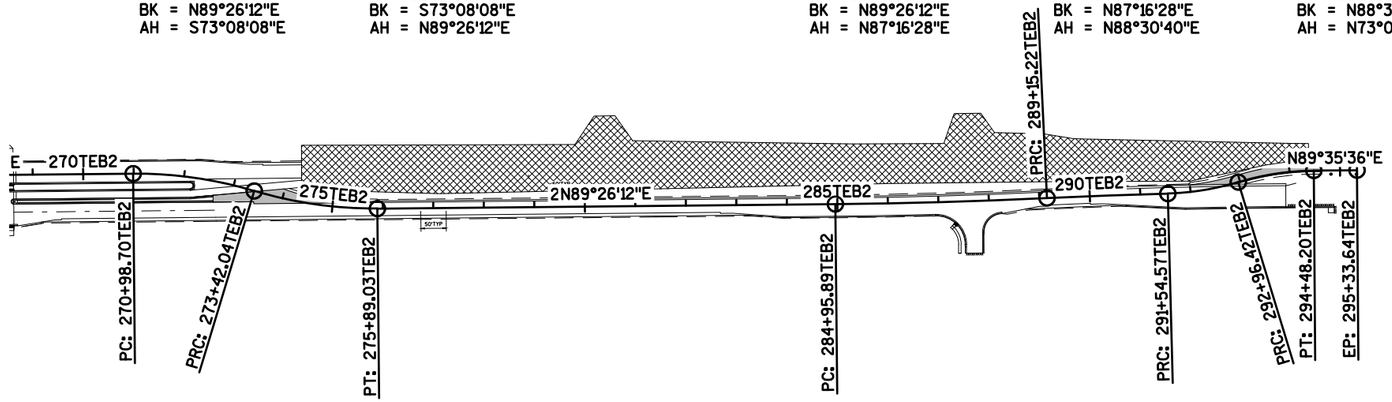
PI STA = 287+05.58TEB2
Y = 526461.875
X = 830303.385
DELTA = 2°09'44"
D = 0°30'56"
T = 209.69'
L = 419.32'
R = 11112.00'
PC STA = 284+95.89TEB2
Y = 526459.813
X = 830093.708
PT STA = 289+15.22TEB2
Y = 526471.846
X = 830512.835
BK = N89°26'12"E
AH = N87°16'28"E

PI STA = 290+34.90TEB2
Y = 526477.537
X = 830632.379
DELTA = 1°14'12"
D = 0°31'00"
T = 119.68'
L = 239.35'
R = 11088.00'
PC STA = 289+15.22TEB2
Y = 526471.846
X = 830512.835
PT STA = 291+54.57TEB2
Y = 526480.646
X = 830752.018
BK = N87°16'28"E
AH = N88°30'40"E

PI STA = 292+25.93TEB2
Y = 526482.500
X = 830823.356
DELTA = 15°28'53"
D = 10°54'49"
T = 71.36'
L = 141.86'
R = 525.00'
PC STA = 291+54.57TEB2
Y = 526480.646
X = 830752.018
PT STA = 292+96.42TEB2
Y = 526503.329
X = 830891.612
BK = N88°30'40"E
AH = N73°01'47"E

PI STA = 293+72.84TEB2
Y = 526525.634
X = 830964.704
DELTA = 16°33'49"
D = 10°54'49"
T = 76.42'
L = 151.77'
R = 525.00'
PC STA = 292+96.42TEB2
Y = 526503.329
X = 830891.612
PT STA = 294+48.20TEB2
Y = 526526.177
X = 831041.121
BK = N73°01'47"E
AH = N89°35'36"E

N

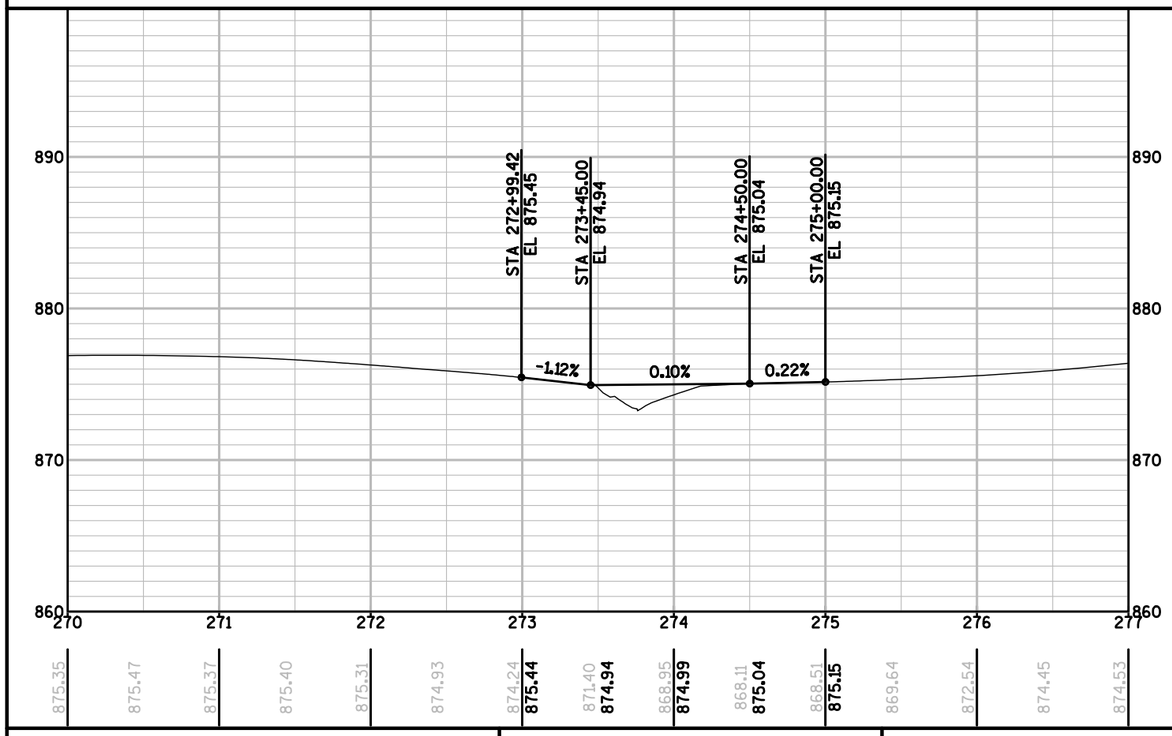


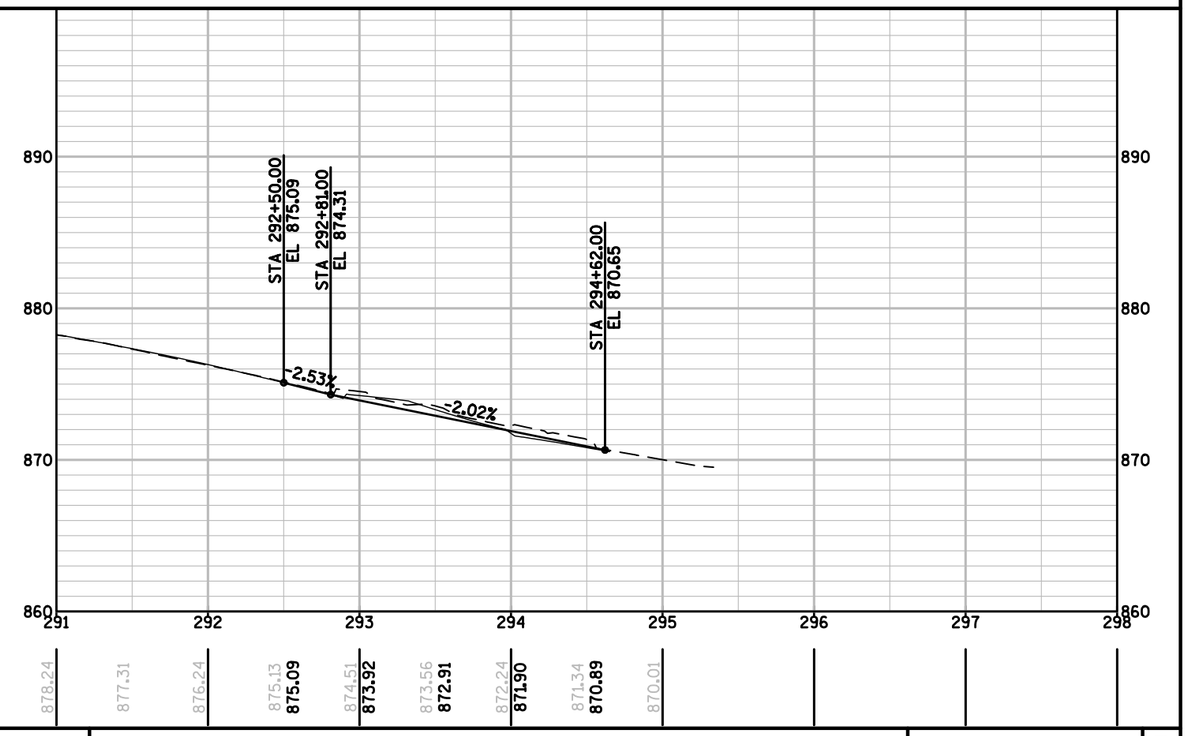
19

19

5

5





PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	PLAN AND PROFILE: SUBSTAGE 2A 'TEB2' LINE	SHEET	E

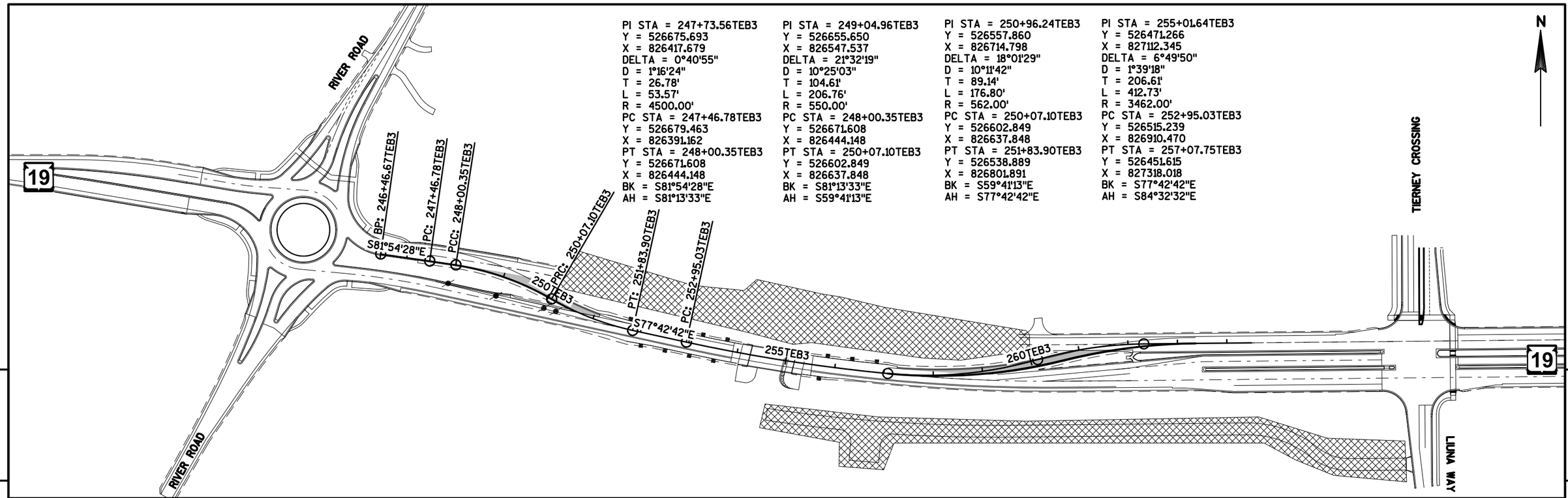
FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0501S_2A_PP.DWG
LAYOUT NAME - 02
PLOT DATE : 4/23/2019 10:33 AM
PLOT BY : MUENCH, DOUGLAS
PLOT NAME :
PLOT SCALE : ############
WISDOT/CADDS SHEET 44

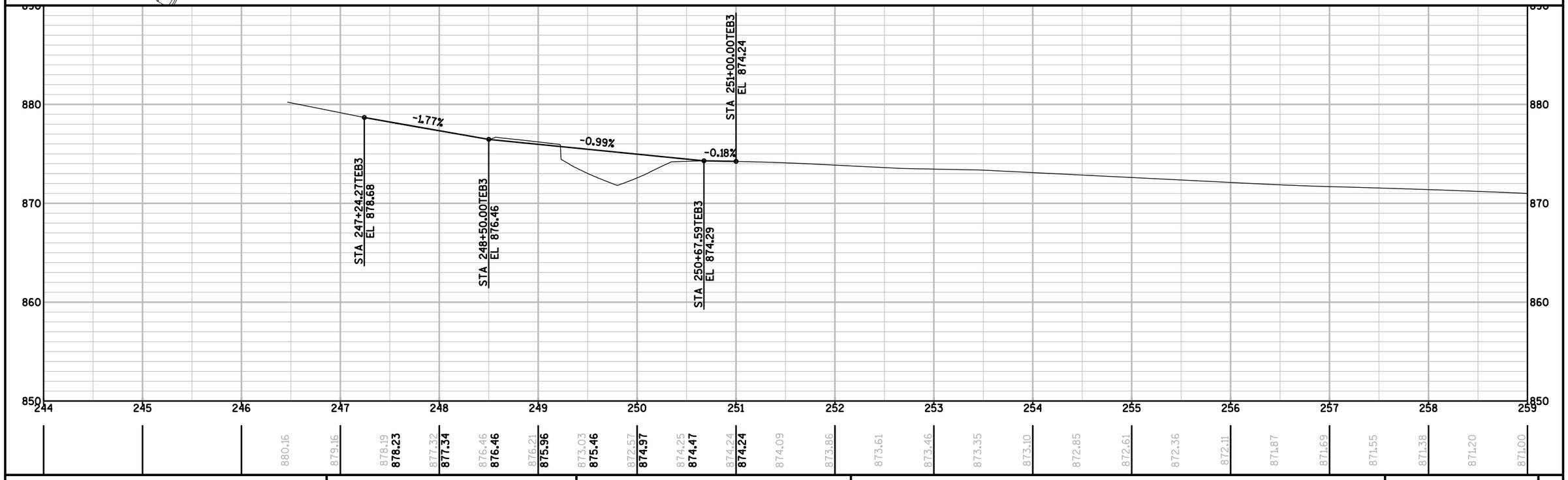
PI STA = 247+73.56TEB3
Y = 526675.693
X = 826417.679
DELTA = 0°40'55"
D = 1°16'24"
T = 26.78'
L = 53.57'
R = 4500.00'
PC STA = 247+46.78TEB3
Y = 526679.463
X = 826391.162
PT STA = 248+00.35TEB3
Y = 526671.608
X = 826444.148
BK = S81°54'28"E
AH = S81°13'33"E

PI STA = 249+04.96TEB3
Y = 526655.650
X = 826547.537
DELTA = 21°32'19"
D = 10°25'03"
T = 104.61'
L = 206.76'
R = 550.00'
PC STA = 248+00.35TEB3
Y = 526671.608
X = 826444.148
PT STA = 250+07.10TEB3
Y = 526602.849
X = 826637.848
BK = S81°13'33"E
AH = S59°41'13"E

PI STA = 250+96.24TEB3
Y = 526557.860
X = 826714.798
DELTA = 18°01'29"
D = 10°11'42"
T = 89.14'
L = 176.80'
R = 562.00'
PC STA = 250+07.10TEB3
Y = 526602.849
X = 826637.848
PT STA = 251+83.90TEB3
Y = 526538.889
X = 826801.891
BK = S59°41'13"E
AH = S77°42'42"E

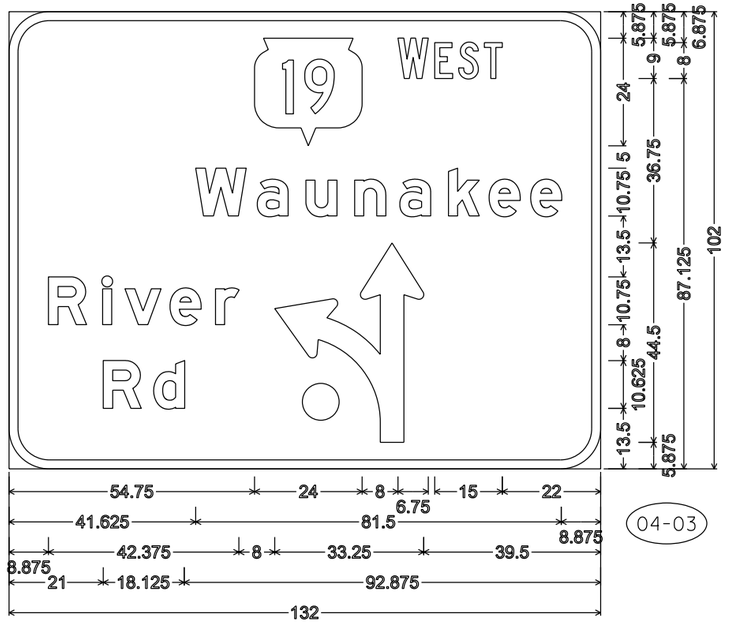
PI STA = 255+01.64TEB3
Y = 526471.266
X = 827112.345
DELTA = 6°49'50"
D = 1°39'18"
T = 206.61'
L = 412.73'
R = 3462.00'
PC STA = 252+95.03TEB3
Y = 526515.239
X = 826910.470
PT STA = 257+07.75TEB3
Y = 526451.615
X = 827318.018
BK = S77°42'42"E
AH = S84°32'32"E



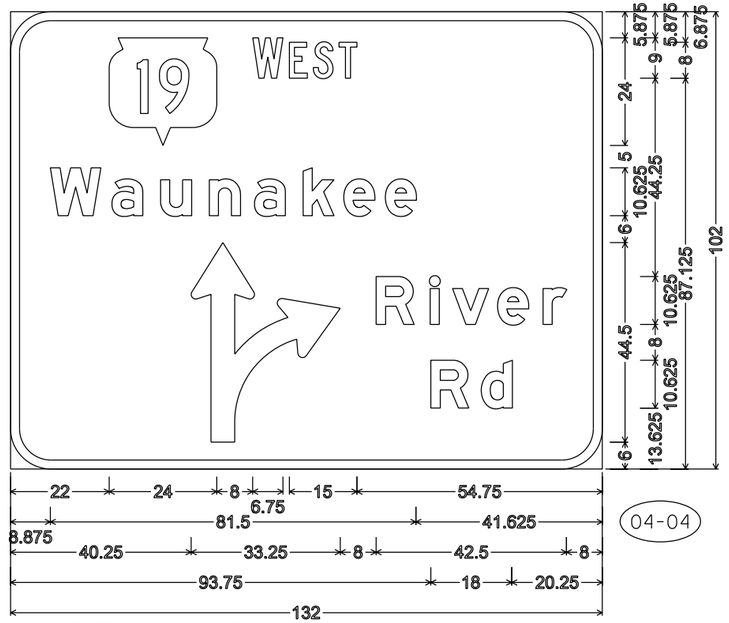


PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	PLAN AND PROFILE: SUBSTAGE 2B 'TEB3' LINE	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0501S_2B_PP.DWG
LAYOUT NAME - 01
PLOT DATE : 4/24/2019 2:19 PM
PLOT BY : MUENCH, DOUGLAS
PLOT NAME :
PLOT SCALE : 1 IN:100 FT



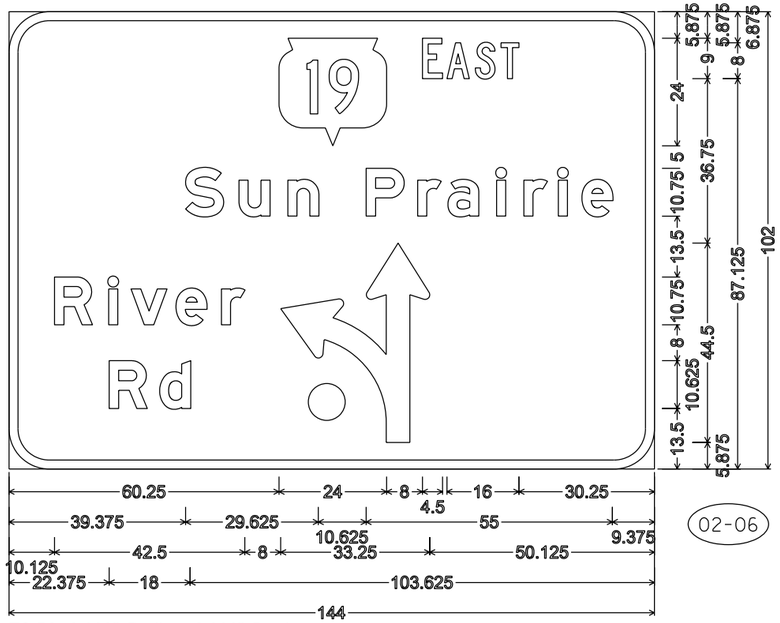
E6-52; 9.000" Radius, 2.000" Border,
"WEST" C



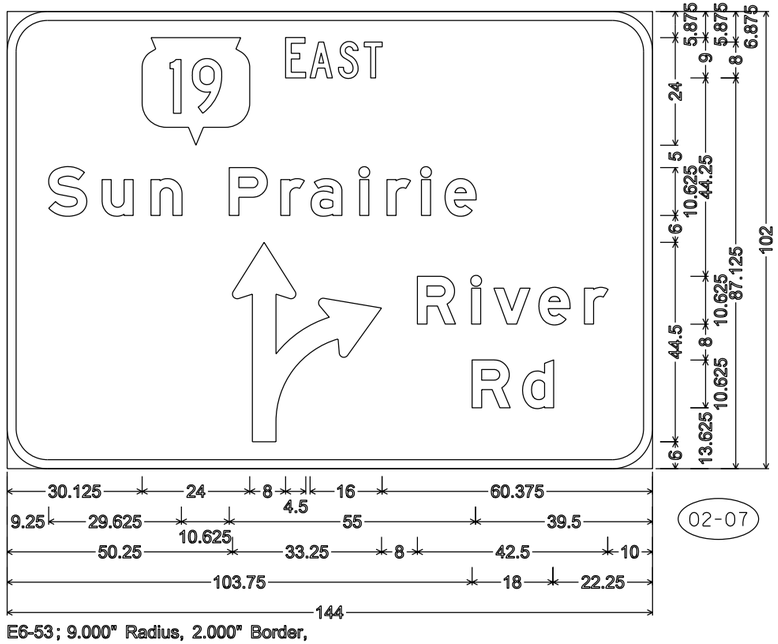
E6-53; 9.000" Radius, 2.000" Border,
"WEST" C

NOTES

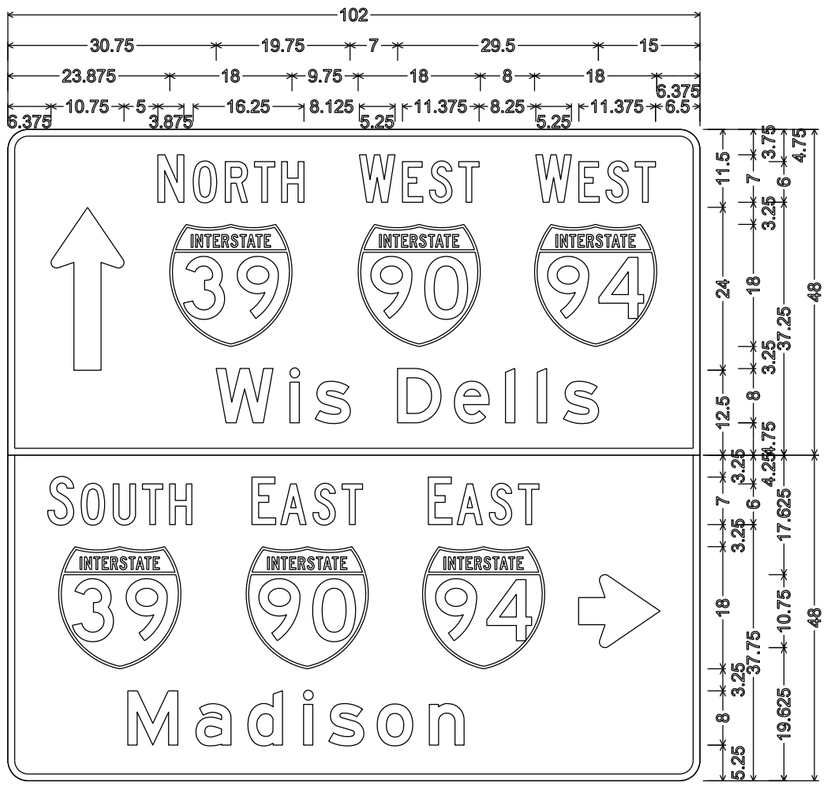
1. All Signs are Type I - Type SH Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - E Modified except as noted



E6-52; 9.000" Radius, 2.000" Border,
"EAST" C

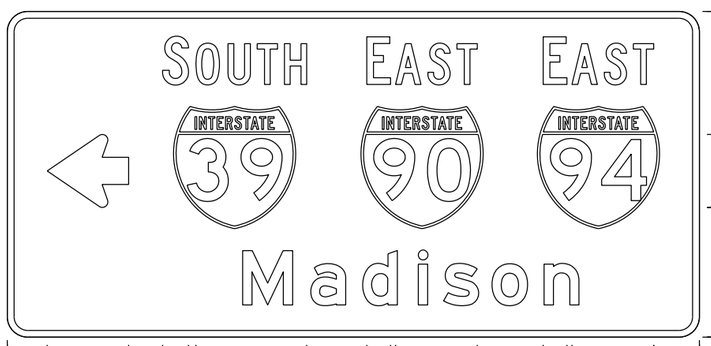


E6-53; 9.000" Radius, 2.000" Border,
"EAST" C



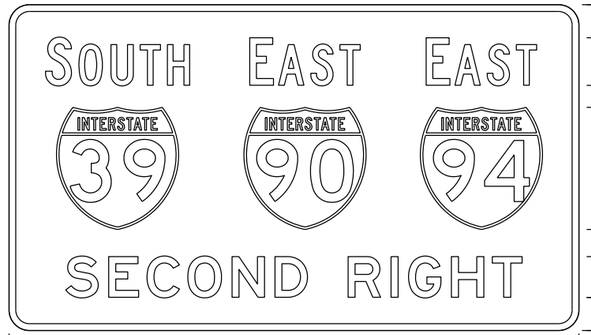
D1-71; 3.000" Radius, 1.000" Border,
"NORTH" C; "WEST" C; "WEST" C; "Wis" E; "Dells" E;
"SOUTH" C; "EAST" C; "EAST" C; "Madison" E

10-01



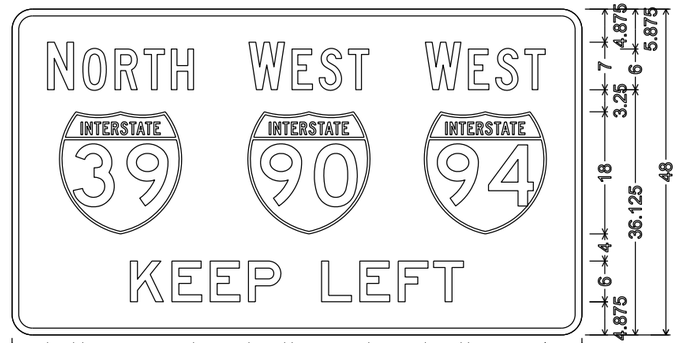
D1-70; 3.000" Radius, 1.000" Border,
"SOUTH" C; "EAST" C; "EAST" C; "Madison" E

10-02



D1-70; 3.000" Radius, 1.000" Border,
"SOUTH" C; "EAST" C; "EAST" C; "SECOND" E; "RIGHT" E

09-04



D1-70; 3.000" Radius, 1.000" Border,
"NORTH" C; "WEST" C; "WEST" C; "KEEP" E; "LEFT" E

09-03

NOTES

1. All Signs are Type II - Type H Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - E except as noted

7

7

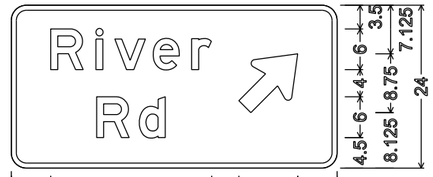
PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	PERMANENT SIGNING	SHEET NO:	E

NOTES

1. All Signs are Type II - Type H Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - E except as noted

09-12

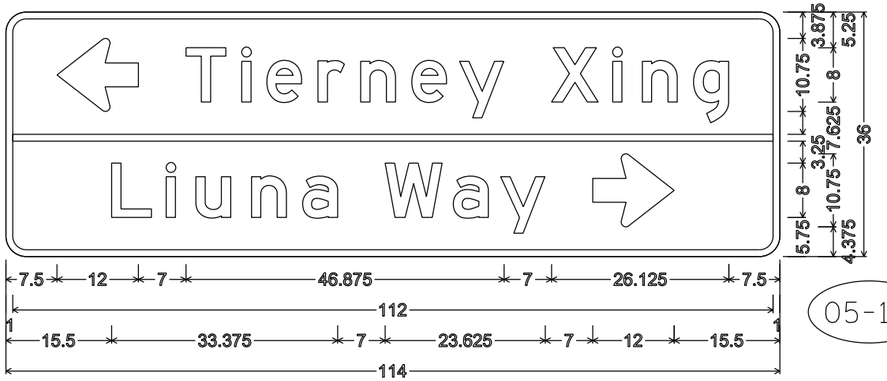
D1-70 ; 3.000" Radius, 1.000" Border,
"EAST" C; "Sun" E; "Prairie" E; "AHEAD" E



03-08

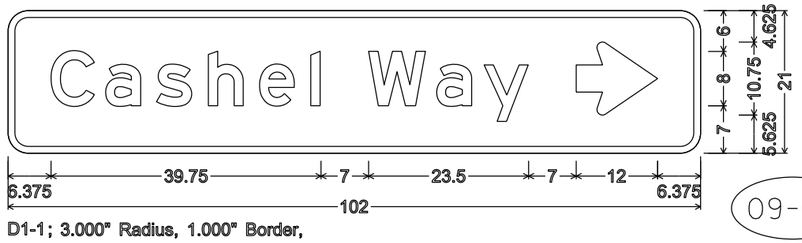
03-20

D1-2 ; 2.250" Radius, 0.750" Border,
"River" E; "Rd" E



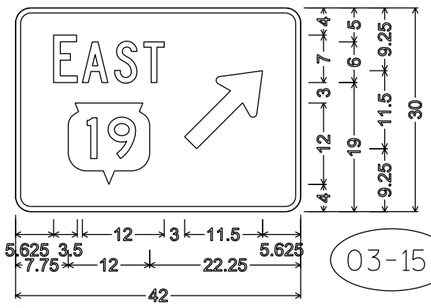
05-13

D1-2; 3.000" Radius, 1.000" Border,
"Tierney" E; "Xing" E; "Liuna" E; "Way" E



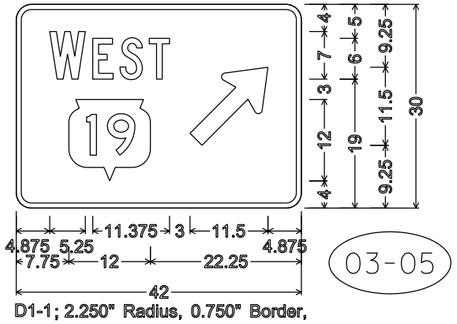
09-06

D1-1; 3.000" Radius, 1.000" Border,
"Cashel" E; "Way" E



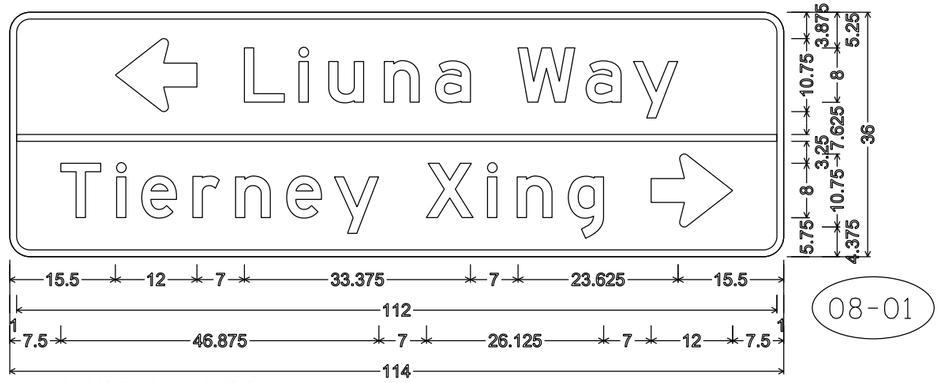
03-15

D1-1; 2.250" Radius, 0.750" Border,
"EAST" C



03-05

D1-1; 2.250" Radius, 0.750" Border,
"WEST" C



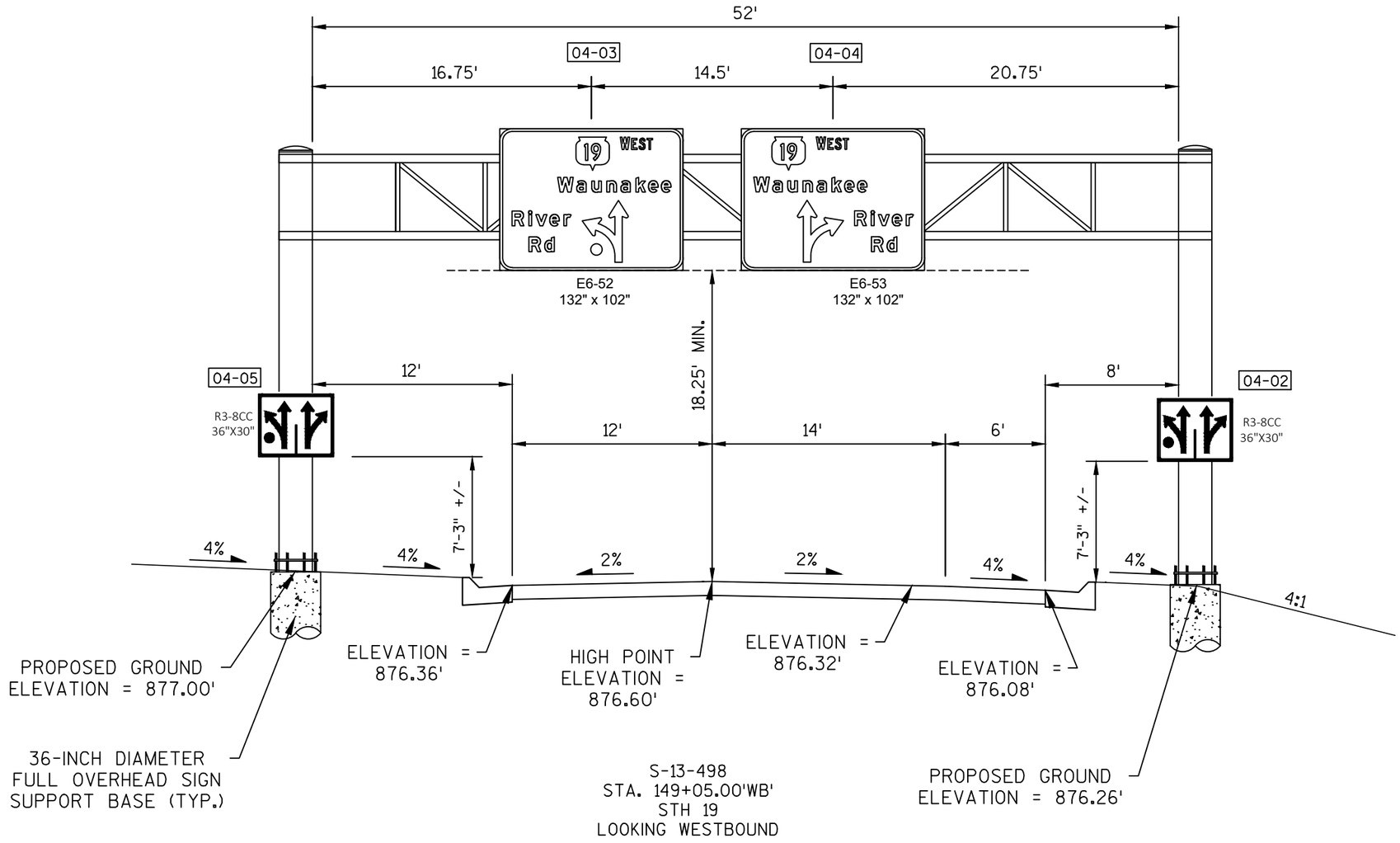
08-01

D1-2; 3.000" Radius, 1.000" Border,
"Liuna" E; "Way" E; "Tierney" E; "Xing" E

7

7

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	PERMANENT SIGNING	SHEET NO:	E



GENERAL NOTES

1) DRAWINGS NOT TO SCALE

2) DESIGN NEW OVERHEAD SIGN SUPPORTS ACCORDING TO THE LATEST EDITION OF, AND SUPPLEMENTAL TO THE STATE OF WISCONSIN "STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION" AND AASHTO "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINARIES, AND TRAFFIC SIGNALS."

3) PROVIDE AN IDENTIFICATION PLAQUE FOR ALL OVERHEAD SIGN SUPPORTS, TO BE CONSIDERED INCIDENTAL TO THE BID ITEM "OVERHEAD SIGN SUPPORT".

4) SIZE THE ANCHOR BOLT/TEMPLATE ASSEMBLY TO FIT WITHIN THE BAR CAGE OF THE FOOTING BASE SHOWN IN THE CONTRACT PLANS IN ADDITION TO MEETING ALL APPLICABLE DESIGN REQUIREMENTS FOR THE DESIGN OF THE UPRIGHT BASE CONNECTION.

5) PROVIDE DESIGN CALCULATIONS.

6) DESIGN WIND VELOCITIES SHALL BE PER WISDOT SPECS.

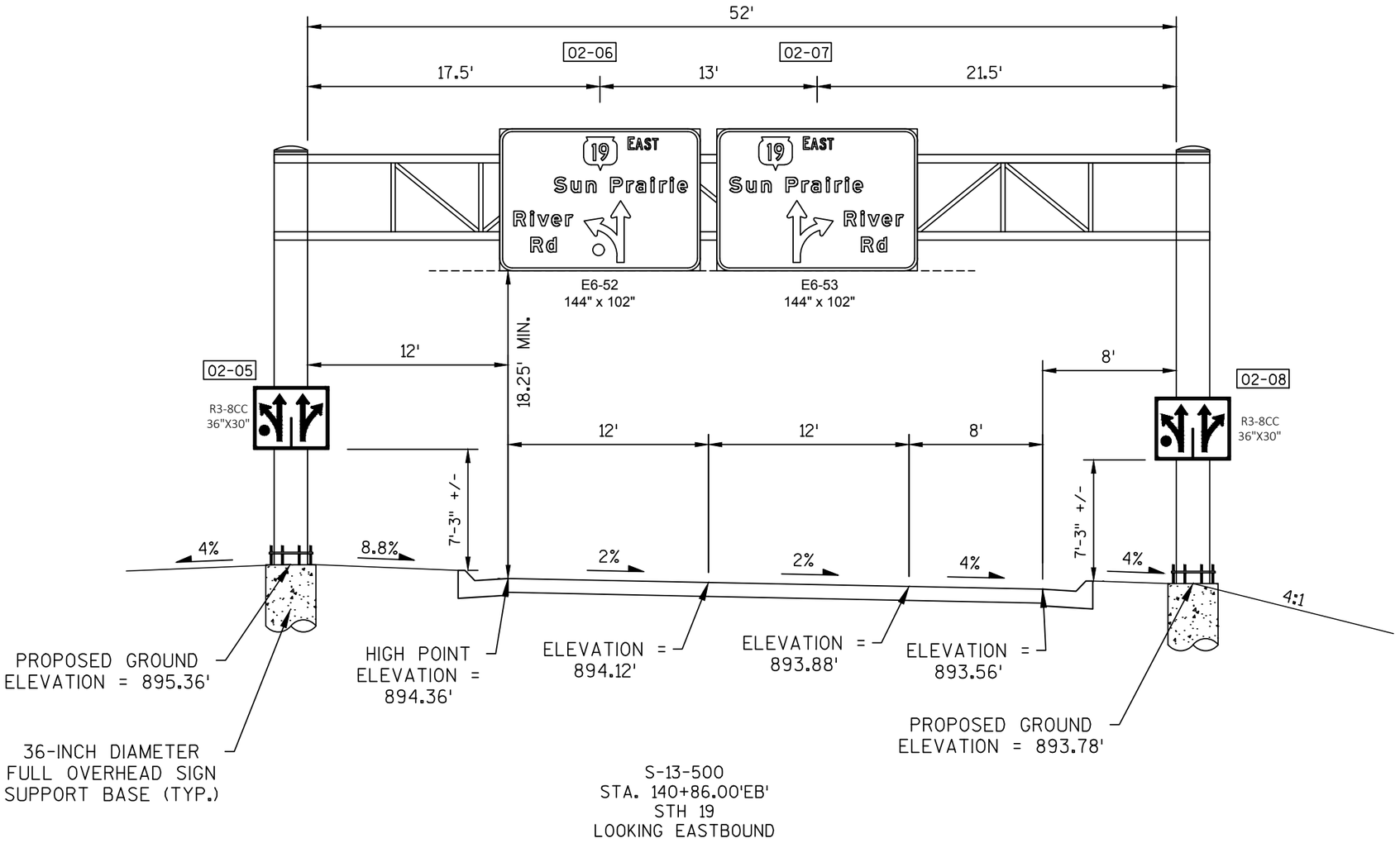
7) SIGNS OR BLANKS SHALL BE INSTALLED ON THE OVERHEAD SIGN SUPPORT AT THE TIME OF ERECTION. BLANKS, IF USED, SHALL BE OF THE SAME SIZE AND LOCATION AS PERMANENT SIGNS.

8) MINIMUM OF SIX (6) ANCHOR RODS SHALL BE USED PER STANDARD DETAIL DRAWING.

8

8

PROJECT NO:5290-00-72	HWY: STH 19	COUNTY: DANE	PERMANENT SIGNING STRUCTURE DETAILS	SHEET _____	E



S-13-500
STA. 140+86.00'EB'
STH 19
LOOKING EASTBOUND

GENERAL NOTES

1) DRAWINGS NOT TO SCALE

2) DESIGN NEW OVERHEAD SIGN SUPPORTS ACCORDING TO THE LATEST EDITION OF, AND SUPPLEMENTAL TO THE STATE OF WISCONSIN "STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION" AND AASHTO "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINARIES, AND TRAFFIC SIGNALS."

3) PROVIDE AN IDENTIFICATION PLAQUE FOR ALL OVERHEAD SIGN SUPPORTS, TO BE CONSIDERED INCIDENTAL TO THE BID ITEM "OVERHEAD SIGN SUPPORT".

4) SIZE THE ANCHOR BOLT/TEMPLATE ASSEMBLY TO FIT WITHIN THE BAR CAGE OF THE FOOTING BASE SHOWN IN THE CONTRACT PLANS IN ADDITION TO MEETING ALL APPLICABLE DESIGN REQUIREMENTS FOR THE DESIGN OF THE UPRIGHT BASE CONNECTION.

5) PROVIDE DESIGN CALCULATIONS.

6) DESIGN WIND VELOCITIES SHALL BE PER WISDOT SPECS.

7) SIGNS OR BLANKS SHALL BE INSTALLED ON THE OVERHEAD SIGN SUPPORT AT THE TIME OF ERECTION. BLANKS, IF USED, SHALL BE OF THE SAME SIZE AND LOCATION AS PERMANENT SIGNS.

8) MINIMUM OF SIX (6) ANCHOR RODS SHALL BE USED PER STANDARD DETAIL DRAWING.

8

8

PROJECT NO:5290-00-72	HWY: STH 19	COUNTY: DANE	PERMANENT SIGNING STRUCTURE DETAILS	SHEET _____	E

PROJECT ID 5290-00-72

STH 19 WB/TEB1- Widening- Substage 1A

Category	Station	Distance	Area (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)			Mass Ordinate
			Cut	Unusable Pavement Material	Fill	Marsh Excavation	Cut	Unusable Pavement Material	Fill	Marsh Excavation	Cut	Expanded Fill	Reduced Marsh in Fill	
							Note 1				1.00 Note 1	1.30 Note 2	0.60 Note 3	Note 4
0010	232+00		9.29	0.0	0.0	0.0								
	232+50	50	11.15	0.0	0.0	0.0	19	0	0	0	19	0	0	19
	233+00	50	15.26	0.0	0.0	0.0	24	0	0	0	43	0	0	43
	233+50	50	21.9	0.0	0.75	0.0	34	0	1	0	77	1	0	76
	234+00	50	29.32	0.0	4.97	0.0	47	0	5	0	124	8	0	116
	234+50	50	66.06	0.0	3.8	0.0	88	0	8	0	212	18	0	194
	235+00	50	88.01	0.0	2.61	0.0	143	0	6	0	355	26	0	329
	235+50	50	94.04	0.0	4.99	0.0	169	0	7	0	524	35	0	489
	236+00	50	97.46	0.0	10.66	0.0	177	0	14	0	701	53	0	648
	236+50	50	152.97	0.0	8.72	0.0	232	0	18	0	933	77	0	856
	237+00	50	202.01	0.0	5.76	0.0	329	0	13	0	1262	94	0	1168
	237+50	50	184.85	0.0	9.58	0.0	358	0	14	0	1620	112	0	1508
	238+00	50	135.54	0.0	8.43	0.0	297	0	17	0	1917	134	0	1783
	238+50	50	120.43	0.0	10.31	0.0	237	0	17	0	2154	156	0	1998
	239+00	50	101.92	0.0	7.68	0.0	206	0	17	0	2360	178	0	2182
	239+50	50	98.51	0.0	6.49	0.0	186	0	13	0	2546	195	0	2351
	240+00	50	107.73	0.0	4.21	0.0	191	0	10	0	2737	208	0	2529
	240+50	50	131.94	0.0	4.8	0.0	222	0	8	0	2959	218	0	2741
	241+00	50	123.1	0.0	4.13	0.0	236	0	8	0	3195	229	0	2966
	241+50	50	98.25	0.0	7.66	0.0	205	0	11	0	3400	243	0	3157
	242+00	50	11.05	0.0	23.05	0.0	101	0	28	0	3501	280	0	3222
	242+50	50	26.23	0.0	70.48	0.0	35	0	87	0	3536	393	0	3143
	243+00	50	40.33	0.0	127.21	0.0	62	0	183	0	3598	631	0	2968
	243+50	50	37.54	0.0	121.36	0.0	72	0	230	0	3670	930	0	2741
	244+00	50	43.7	0.0	61.99	0.0	75	0	170	0	3745	1151	0	2595
	244+50	50	43.79	0.0	42.55	0.0	81	0	97	0	3826	1277	0	2549
	245+65	115	33.21	0.0	0.0	0.0	164	0	91	0	3990	1395	0	2595
	246+00	35	16.68	0.0	20.75	0.0	32	0	13	0	4022	1412	0	2610
	246+50	50	12.73	0.0	12.71	0.0	27	0	31	0	4049	1452	0	2597
	247+00	50	7.55	0.0	4.75	0.0	19	0	16	0	4068	1473	0	2595
	247+50	50	11.4	0.0	0.05	0.0	18	0	4	0	4086	1478	0	2608
	248+00	50	9.03	0.0	0.26	0.0	19	0	0	0	4105	1478	0	2627
							4105	0	1137	0				

PROJECT ID 5290-00-72

RIVER RD RNB/TRR- Widening- Substage 1A

Category	Station	Distance	Area (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)			Mass Ordinate
			Cut	Unusable Pavement Material	Fill	Marsh Excavation	Cut Note 1	Unusable Pavement Material	Fill	Marsh Excavation	Cut 1.00 Note 1	Expanded Fill 1.30 Note 2	Reduced Marsh in Fill 0.60 Note 3	Note 4
0010	46+75		4.86	0.0	5.71	0.0								
	47+00	25	6.74	0.0	9.79	0.0	5	0	7	0	5	9	0	-4
	47+50	50	12.28	0.0	36.42	0.0	18	0	43	0	23	65	0	-42
	48+00	50	13.61	0.0	73.75	0.0	24	0	102	0	47	198	0	-151
	48+50	50	14.75	0.0	107.49	0.0	26	0	168	0	73	416	0	-343
	49+00	50	0.01	0.0	133.49	0.0	14	0	223	0	61	706	0	-619
	49+50	50	0.03	0.0	141.5	0.0	0	0	255	0	73	1037	0	-950
	50+00	50	0.04	0.0	146.09	0.0	0	0	266	0	73	1383	0	-1296
	50+50	50	0.0	0.0	160.49	0.0	0	0	284	0	73	1752	0	-1665
	51+00	50	0.0	0.0	167.07	0.0	0	0	303	0	73	2146	0	-2059
	51+50	50	0.0	0.0	151.35	0.0	0	0	295	0	73	2530	0	-2443
	52+00	50	0.0	0.0	155.44	0.0	0	0	284	0	73	2899	0	-2812
	52+50	50	0.0	0.0	149.97	0.0	0	0	283	0	73	3267	0	-3180
	53+00	50	0.0	0.0	168.33	0.0	0	0	295	0	73	3650	0	-3563
	53+50	50	0.0	0.0	199.88	0.0	0	0	341	0	73	4094	0	-4007
	54+00	50	0.0	0.0	232.2	0.0	0	0	400	0	73	4614	0	-4527
	54+50	50	0.0	0.0	246.72	0.0	0	0	443	0	73	5190	0	-5103
	55+00	50	0.0	0.0	245.26	0.0	0	0	456	0	73	5782	0	-5695
	55+50	50	0.0	0.0	199.8	0.0	0	0	412	0	73	6318	0	-6231
	56+00	50	36.1	0.0	10.46	0.0	33	0	195	0	106	6572	0	-6452
	56+50	50	0.0	0.0	0.0	0.0	33	0	10	0	139	6585	0	-6432
							153	0	5065	0				

PROJECT ID 5290-00-72
LIUNA LWS- Substage 1A

Category	Station	Distance	Area (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)			
			Cut	Unusable Pavement Material	Fill	Marsh Excavation	Cut Note 1	Unusable Pavement Material	Fill	Marsh Excavation	Cut 1.00 Note 1	Expanded Fill 1.30 Note 2	Reduced Marsh in Fill 0.60 Note 3	Mass Ordinate Note 4
0010	7+50		0.0	15.42	0.0	0.0								
	7+75	25	63.1	15.42	0.0	0.0	29	14	0	0	29	0	0	15
	8+00	25	71.88	15.42	15.59	0.0	62	14	7	0	91	9	0	54
	8+25	25	66.14	15.42	32.22	0.0	64	14	22	0	155	38	0	75
	8+50	25	35.17	15.42	217.22	0.0	47	14	115	0	202	187	0	-41
	8+75	25	7.0	15.42	219.45	0.0	20	14	202	0	222	450	0	-298
	9+00	25	156.92	15.42	252.97	0.0	76	14	219	0	298	735	0	-521
	9+25	25	77.63	15.42	317.4	0.0	109	14	264	0	407	1078	0	-769
	9+35	10	23.66	15.42	494.68	0.0	19	6	150	0	426	1273	0	-951
							426	104	979	0				

PROJECT ID 5290-00-72
STH 19 EB- Substage 1A

Category	Station	Distance	Area (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)			
			Cut	Unusable Pavement Material	Fill	Marsh Excavation	Cut Note 1	Unusable Pavement Material	Fill	Marsh Excavation	Cut 1.00 Note 1	Expanded Fill 1.30 Note 2	Reduced Marsh in Fill 0.60 Note 3	Mass Ordinate Note 4
0010	152+59		13.95	0.0	384.1	0.0								
	153+00	41	4.11	0.0	917.77	1239.4	14	0	988	941	14	1284	565	-536
	153+50	50	7.94	0.0	1016.09	1204.19	11	0	1791	2263	25	3613	1922	-1089
	154+00	50	6.32	0.0	1094.88	1151.2	13	0	1955	2181	38	6154	3231	-1916
	154+33	33	6.32	0.0	385.78	0.0	8	0	905	704	46	7331	3653	-2535
	154+56	23	0.0	0.0	0.0	0.0	3	0	164	0	49	7544	3653	-2745
	B-13-0794													
	155+62		0.0	0.0	385.78	0.0								
	156+00	38	21.69	0.0	608.77	0.0	15	0	700	0	64	8454	3653	-3640
	156+50	50	38.4	0.0	371.9	0.0	56	0	908	0	120	9634	3653	-4765
	157+00	50	68.12	0.0	175.53	0.0	99	0	507	0	219	10293	3653	-5325
	157+50	50	138.08	0.0	54.97	0.0	191	0	213	0	410	10570	3653	-5411
	158+00	50	227.11	0.0	23.88	0.0	338	0	73	0	748	10665	3653	-5168
	158+50	50	243.33	0.0	20.9	0.0	436	0	41	0	1184	10719	3653	-4785
	159+00	50	201.02	0.0	26.3	0.0	411	0	44	0	1595	10776	3653	-4431
	159+50	50	121.2	0.0	45.84	0.0	298	0	67	0	1893	10863	3653	-4220

CONTINUED ON NEXT PAGE

PROJECT ID 5290-00-72
STH 19 EB- Substage 1A

Category	Station	Distance	Area (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)			Mass Ordinate
			Cut	Unusable Pavement Material	Fill	Marsh Excavation	Cut	Unusable Pavement Material	Fill	Marsh Excavation	Cut 1.00	Expanded Fill 1.30	Reduced Marsh in Fill 0.60	
							Note 1				Note 1	Note 2	Note 3	Note 4
0010	160+00	50	57.28	0.0	118.63	0.0	165	0	152	0	2058	11060	3653	-4253
	160+50	50	46.71	0.0	151.94	0.0	96	0	251	0	2154	11387	3653	-4483
	161+00	50	66.78	0.0	99.78	0.0	105	0	233	0	2259	11690	3653	-4681
	161+50	50	83.59	0.0	44.11	0.0	139	0	133	0	2398	11863	3653	-4715
	162+00	50	122.21	0.0	9.43	0.0	191	0	50	0	2589	11928	3653	-4589
	162+50	50	160.98	0.0	3.66	0.0	262	0	12	0	2851	11943	3653	-4343
	163+00	50	178.33	0.0	6.95	0.0	314	0	10	0	3165	11956	3653	-4042
	163+50	50	166.39	0.0	12.77	0.0	319	0	18	0	3484	11980	3653	-3746
	164+00	50	201.82	0.0	29.02	0.0	341	0	39	0	3825	12030	3653	-3456
	164+50	50	106.37	0.0	99.61	0.0	285	0	119	0	4110	12185	3653	-3325
	165+00	50	66.42	0.0	197.76	0.0	160	0	275	0	4270	12542	3653	-3523
	165+50	50	52.42	0.0	284.45	0.0	110	0	446	0	4380	13122	3653	-3993
	166+00	50	31.48	0.0	405.24	0.0	78	0	639	0	4458	13953	3653	-4745
	166+50	50	23.08	0.0	526.85	0.0	51	0	863	0	4509	15075	3653	-5816
	167+00	50	23.69	0.0	600.84	0.0	43	0	1044	0	4552	16432	3653	-7131
	167+50	50	23.63	0.0	230.33	0.0	44	0	770	0	4596	17433	3653	-8088
	168+00	50	47.46	33.9	0.33	0.0	66	31	214	0	4662	17711	3653	-8331
	168+50	50	41.75	0.0	0.0	0.0	83	31	0	0	4745	17711	3653	-8279
	169+00	50	230.92	0.0	445.03	0.0	252	0	412	0	4997	18247	3653	-8562
	169+50	50	153.53	0.0	485.8	0.0	356	0	862	0	5353	19367	3653	-9327
	170+00	50	96.35	0.0	523.38	0.0	231	0	934	0	5584	20582	3653	-10310
	170+50	50	58.65	0.0	557.68	0.0	144	0	1001	0	5728	21883	3653	-11467
	171+00	50	24.93	0.0	576.34	0.0	77	0	1050	0	5805	23248	3653	-12755
	171+50	50	1.82	0.0	577.55	0.0	25	0	1068	0	5830	24636	3653	-14119
	172+00	50	0.0	0.0	587.48	0.0	2	0	1079	0	5832	26039	3653	-15520
	172+50	50	0.0	0.0	562.69	0.0	0	0	1065	0	5832	27424	3653	-16904
	173+00	50	1.32	0.0	474.11	0.0	1	0	960	0	5833	28672	3653	-18151
	173+50	50	2.51	0.0	428.87	0.0	4	0	836	0	5837	29758	3653	-19234
	174+00	50	2.15	0.0	424.18	0.0	4	0	790	0	5841	30785	3653	-20257
	174+50	50	3.53	0.0	382.05	0.0	5	0	747	0	5846	31756	3653	-21223
	175+00	50	11.44	0.0	309.73	0.0	14	0	641	0	5860	32590	3653	-22042
	175+50	50	21.14	0.0	241.27	0.0	30	0	510	0	5890	33253	3653	-22675
	176+00	50	71.07	0.0	99.75	0.0	85	0	316	0	5975	33664	3653	-23001
	176+50	50	160.7	0.0	38.12	0.0	215	0	128	0	6190	33830	3653	-22952
	177+00	50	302.39	0.0	7.56	0.0	429	0	42	0	6619	33885	3653	-22578
							6619	62	26065	6089				

PROJECT ID 5290-00-72

YAHARA-RIVER-ACCESS- Substage 1A

Category	Station	Distance	Area (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)			Mass Ordinate
			Cut	Unusable Pavement Material	Fill	Marsh Excavation	Cut	Unusable Pavement Material	Fill	Marsh Excavation	Cut 1.00	Expanded Fill 1.30	Reduced Marsh in Fill 0.60	
							Note 1				Note 1	Note 2	Note 3	Note 4
0010	154+60		0.0	0.0	0.0	0.0								
	155+00	40	34.54	0.0	0.0	0.0	26	0	0	0	26	0	0	26
	155+50	50	4.72	0.0	0.0	0.0	36	0	0	0	62	0	0	62
	156+00	50	0.57	0.0	16.83	0.0	5	0	16	0	67	21	0	46
	156+50	50	1.22	0.0	46.37	0.0	2	0	59	0	69	98	0	-29
	156+70	20	0.0	0.0	129.38	0.0	0	0	65	0	69	182	0	-113
	157+00	30	11.87	0.0	120.52	0.0	7	0	139	0	76	363	0	-287
	157+50	50	29.42	0.0	39	0.0	38	0	148	0	114	555	0	-441
	158+00	50	47.13	0.0	17.56	0.0	71	0	52	0	185	623	0	-438
	158+50	50	43.74	0.0	19.69	0.0	84	0	34	0	269	667	0	-398
	159+00	50	39.93	0.0	24.76	0.0	77	0	41	0	346	720	0	-374
	159+50	50	24.79	0.0	47.48	0.0	60	0	67	0	406	807	0	-401
	160+00	50	11.07	0.0	89.22	0.0	33	0	127	0	439	972	0	-533
	160+50	50	13.49	0.0	80.47	0.0	23	0	157	0	462	1177	0	-715
	161+00	50	24.29	0.0	61.98	0.0	35	0	132	0	497	1348	0	-851
	161+50	50	39.2	0.0	37.61	0.0	59	0	92	0	556	1468	0	-912
	162+00	50	53.92	0.0	29.15	0.0	86	0	62	0	642	1548	0	-906
	162+50	50	68.48	0.0	24.91	0.0	113	0	50	0	755	1613	0	-858
	163+00	50	74.72	0.0	33.27	0.0	133	0	54	0	888	1684	0	-796
	163+50	50	65.88	0.0	29.7	0.0	130	0	58	0	1018	1759	0	-741
	164+00	50	0.0	0.0	28.9	0.0	61	0	54	0	1079	1829	0	-750
	164+50	50	0.0	0.0	57.98	0.0	0	0	80	0	1079	1933	0	-854
	165+00	50	0.0	0.0	70.7	0.0	0	0	119	0	1079	2088	0	-1009
	165+50	50	0.02	0.0	64.39	0.0	0	0	125	0	1079	2250	0	-1171
	166+00	50	0.0	0.0	77.41	0.0	0	0	131	0	1079	2421	0	-1342
	166+50	50	0.0	0.0	104.02	0.0	0	0	168	0	1079	2639	0	-1560
	167+00	50	0.0	0.0	137.83	0.0	0	0	224	0	1079	2930	0	-1851
	167+50	50	0.08	0.0	106.02	0.0	0	0	226	0	1079	3224	0	-2145
	167+80	30	0.0	0.0	88.66	0.0	0	0	108	0	1079	3364	0	-2285
							1079	0.0	2588	0				

PROJECT ID 5290-00-72

Temporary Median Crossovers TEB1- Substage 1A

Category	Station	Distance	Area (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)			Mass Ordinate
			Cut	Unusable Pavement Material	Fill	Marsh Excavation	Cut	Unusable Pavement Material	Fill	Marsh Excavation	Cut 1.00	Expanded Fill 1.30	Reduced Marsh in Fill 0.60	
							Note 1				Note 1	Note 2	Note 3	Note 4
0050	256+50		1.8	0.0	0.0	0.0								
	257+00	50	4.2	0.0	0.0	0.0	6	0	0	0	6	0	0	6
	257+50	50	11.9	0.0	0.0	0.0	15	0	0	0	21	0	0	21
	258+00	50	24.5	0.0	0.0	0.0	34	0	0	0	55	0	0	55
	258+50	50	35.3	0.0	0.0	0.0	55	0	0	0	110	0	0	110
	259+00	50	7.8	0.0	0.0	0.0	40	0	0	0	150	0	0	150
	259+50	50	0.0	0.0	67.6	0.0	7	0	63	0	157	82	0	75
	260+00	50	0.0	0.0	2.9	0.0	0	0	65	0	157	166	0	-9
	260+50	50	0.0	1.0	20.6	0.0	0	0	22	0	157	195	0	-38
	260+90	40	0.0	2.0	0.0	0.0	0	0	15	0	157	215	0	-58
	273+35		9.1	0.0	0.0	0.0								
	273+50	15	23.4	0.0	0.0	0.0	9	0	0	0	9	0	0	9
	274+00	65	11.1	0.0	52.8	0.0	41	0	64	0	50	83	0	-33
	274+50	50	11.2	0.0	67.0	0.0	21	0	111	0	71	228	0	-157
	275+00	50	21.0	0.0	61.9	0.0	30	0	119	0	101	382	0	-281
	275+50	50	20.7	0.0	42.2	0.0	39	0	96	0	140	507	0	-367
	276+00	50	19.6	0.0	37.5	0.0	37	0	74	0	177	603	0	-426
	276+50	50	31.0	0.0	7.9	0.0	47	0	42	0	224	658	0	-434
	277+00	50	22.9	0.0	0.0	0.0	50	0	7	0	274	667	0	-393
	277+50	50	10.5	0.0	0.0	0.0	31	0	0	0	305	667	0	-362
	278+00	50	3.7	0.0	0.0	0.0	13	0	0	0	318	667	0	-349
	278+39	39	2.3	0.0	0.0	0.0	4	0	0	0	322	667	0	-345
							479	0	678	0				

PROJECT ID 5290-00-72
STH 19 EB- Substage 1C

Category	Station	Distance	Area (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)			Mass Ordinate
			Cut	Unusable Pavement Material	Fill	Marsh Excavation	Cut	Unusable Pavement Material	Fill	Marsh Excavation	Cut 1.00	Expanded Fill 1.30	Reduced Marsh in Fill 0.60	
							Note 1				Note 1	Note 2	Note 3	Note 4
0010	134+50		0.0	24.0	0.0	0.0								
	135+00	50	90.59	17.0	0.0	0.0	84	38	0	0	84	0	0	46
	135+50	50	91.81	17.0	0.0	0.0	169	31	0	0	253	0	0	184
	136+00	50	93.22	17.0	0.0	0.0	171	31	0	0	424	0	0	324
	136+50	50	92.98	17.0	0.0	0.0	172	31	0	0	596	0	0	465
	137+00	50	89.71	17.0	0.0	0.0	169	31	0	0	765	0	0	603
	137+50	50	84.7	17.0	0.46	0.0	161	31	0	0	926	0	0	733
	138+00	50	83.84	17.0	1.9	0.0	156	31	2	0	1082	3	0	855
	138+50	50	85.2	17.0	2.08	0.0	157	31	4	0	1239	8	0	976
	139+00	50	93.05	17.0	3.2	0.0	165	31	5	0	1404	14	0	1104
	139+50	50	116.82	17.0	3.38	0.0	194	31	6	0	1598	22	0	1259
	140+00	50	119.13	17.0	22.79	0.0	218	31	24	0	1816	53	0	1415
	140+50	50	119.37	23.0	19.58	0.0	221	37	39	0	2037	104	0	1548
	141+00	50	120.69	24.0	23.18	0.0	222	44	40	0	2259	156	0	1674
	141+50	50	116.33	26.9	22.81	0.0	219	47	43	0	2478	212	0	1790
	142+00	50	109.5	27.5	9.88	0.0	209	50	30	0	2687	251	0	1910
	142+50	50	106.45	29.3	15.92	0.0	200	53	24	0	2887	282	0	2026
	143+00	50	121.81	29.5	29.3	0.0	211	54	42	0	3098	337	0	2128
	ROUNDABOUT		-	-	-	0.0	387	310	1957	0	3485	2881	0	-340
							3485	943	2216	0				

PROJECT ID 5290-00-72
STH 19 EB- Substage 1C

Category	Station	Distance	Area (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)			
			Cut	Unusable Pavement Material	Fill	Marsh Excavation	Cut Note 1	Unusable Pavement Material	Fill	Marsh Excavation	Cut 1.00 Note 1	Expanded Fill 1.30 Note 2	Reduced Marsh in Fill 0.60 Note 3	Mass Ordinate Note 4
0010	146+50		14.26	0.0	613.4	0.0								
	147+00	50	18.71	0.0	467.1	0.0	31	0	1000	0	31	1300	0	-1269
	147+50	50	18.9	0.0	387.61	0.0	35	0	791	0	66	2328	0	-2262
	148+00	50	20.83	0.0	341.15	0.0	37	0	675	0	103	3206	0	-3103
	148+50	50	26.16	0.0	309.12	0.0	44	0	602	0	147	3988	0	-3841
	149+00	50	27.87	0.0	285.06	0.0	50	0	550	0	197	4703	0	-4506
	149+50	50	23.38	0.0	269.82	0.0	47	0	514	0	244	5372	0	-5128
	150+00	50	24.62	0.0	221.35	0.0	44	0	455	0	288	5963	0	-5675
	150+50	50	22.17	0.0	204.96	0.0	43	0	395	0	331	6477	0	-6146
	151+00	50	29.06	0.0	183.39	0.0	47	0	360	0	378	6945	0	-6567
	151+50	50	32.8	0.0	179.32	0.0	57	0	336	0	435	7381	0	-6946
	151+57	7	32.1	0.0	182.21	0.0	8	0	46	0	443	7441	0	-6998
	151+82	25	26.35	0.0	203.56	0.0	27	0	180	0	470	7675	0	-7205
	152+00	18	22.99	0.0	234.96	0.0	16	0	146	0	486	7865	0	-7379
	152+07	7	22.48	0.0	247.14	0.0	6	0	62	0	492	7946	0	-7454
	152+09	2	22.78	0.0	250.32	0.0	2	0	18	0	494	7969	0	-7475
	152+34	25	26.36	0.0	307.76	0.0	23	0	258	0	517	8304	0	-7787
	152+50	16	29.75	0.0	341.61	0.0	17	0	192	0	534	8554	0	-8020
	152+59	9	13.95	0.0	384.1	0.0	7	0	121	0	541	8711	0	-8170
							541	0	6701	0				

PROJECT ID 5290-00-72
STH 19 EB/TEB2- Widening- Substage 1C

Category	Station	Distance	Area (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)			Mass Ordinate
			Cut	Unusable Pavement Material	Fill	Marsh Excavation	Cut	Unusable Pavement Material	Fill	Marsh Excavation	Cut 1.00	Expanded Fill 1.30	Reduced Marsh in Fill 0.60	
							Note 1				Note 1	Note 2	Note 3	Note 4
0010	231+40		9.28	0.0	0.0	0.0								
	231+50	10	9.7	0.0	0.0	0.0	4	0	0	0	4	0	0	4
	232+00	50	12.83	0.0	0.0	0.0	21	0	0	0	25	0	0	25
	232+50	50	20.93	0.0	0.0	0.0	31	0	0	0	56	0	0	56
	233+00	50	27.59	0.0	1.78	0.0	45	0	2	0	101	3	0	98
	233+50	50	30.77	0.0	16.69	0.0	54	0	17	0	155	25	0	130
	234+00	50	33.35	0.0	15.39	0.0	59	0	30	0	214	64	0	150
	234+50	50	33.17	0.0	6.00	0.0	62	0	20	0	276	90	0	186
	235+00	50	55.91	0.0	0.0	0.0	82	0	6	0	358	98	0	261
	235+50	50	42.32	0.0	5.90	0.0	91	0	5	0	449	104	0	345
	236+00	50	38.47	0.0	9.02	0.0	75	0	14	0	524	122	0	402
	236+50	50	39	0.0	9.58	0.0	72	0	17	0	596	144	0	452
	237+00	50	40.91	0.0	4.57	0.0	74	0	13	0	670	161	0	509
	237+50	50	42.08	0.0	1.38	0.0	77	0	6	0	747	169	0	578
	238+00	50	39.59	0.0	0.0	0.0	76	0	1	0	823	170	0	653
	238+50	50	38.87	0.0	0.0	0.0	73	0	0	0	896	170	0	726
	239+00	50	40.03	0.0	0.0	0.0	73	0	0	0	969	170	0	799
	239+50	50	35.63	0.0	0.0	0.0	70	0	0	0	1039	170	0	869
	240+00	50	35.32	0.0	0.0	0.0	66	0	0	0	1105	170	0	935
	240+50	50	43.08	0.0	0.0	0.0	73	0	0	0	1178	170	0	1008
	241+00	50	48.47	0.0	0.0	0.0	85	0	0	0	1263	170	0	1093
	241+50	50	54.22	0.0	0.0	0.0	95	0	0	0	1358	170	0	1188
	242+00	50	58.79	0.0	0.0	0.0	105	0	0	0	1463	170	0	1293
	242+50	50	68.44	0.0	2.30	0.0	118	0	2	0	1581	173	0	1408
	243+00	50	77.93	0.0	6.15	0.0	136	0	8	0	1717	183	0	1534
	243+50	50	93.19	0.0	22.63	0.0	158	0	27	0	1875	218	0	1657
	244+00	50	0.0	0.0	120.02	0.0	86	0	132	0	1961	390	0	1571
							1961	0	300	0				

PROJECT ID 5290-00-72

River Rd-RSB South of RAB Substage 1C

Category	Station	Distance	Area (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)			Mass Ordinate
			Cut	Unusable Pavement Material	Fill	Marsh Excavation	Cut	Unusable Pavement Material	Fill	Marsh Excavation	Cut 1.00	Expanded Fill 1.30	Reduced Marsh in Fill 0.60	
							Note 1				Note 1	Note 2	Note 3	Note 4
0010	50+00		88.14	9.3	0.0	0.0								
	50+50	50	96.87	9.3	0.0	0.0	171	17	0	0	171	0	0	154
	51+00	50	83.28	9.3	0.0	0.0	167	17	0	0	338	0	0	304
	51+50	50	80.66	9.3	0.0	0.0	152	17	0	0	490	0	0	439
	52+00	50	76.62	9.3	0.0	0.0	146	17	0	0	636	0	0	568
	52+50	50	77.05	9.3	0.31	0.0	142	17	0	0	778	0	0	693
	53+00	50	100.28	13.4	6.13	0.0	164	21	6	0	942	8	0	828
	53+50	50	95.73	13.4	20.03	0.0	181	25	24	0	1123	39	0	953
	54+00	50	105.14	13.4	46.71	0.0	186	25	62	0	1309	120	0	1033
	54+25	25	118.15	13.4	78.16	0.0	103	12	58	0	1412	195	0	1049
	54+50	25	123.94	13.4	133.07	0.0	112	12	98	0	1524	322	0	1022
	54+85	35	154.69	15.2	207.34	0.0	181	19	221	0	1705	610	0	896
							1705	199	469	0				

PROJECT ID 5290-00-72

STH 19 WB Substage 1C - CONTINUED

Category	Station	Distance	Area (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)			
			Cut	Unusable Pavement Material	Fill	Marsh Excavation	Cut Note 1	Unusable Pavement Material	Fill	Marsh Excavation	Cut 1.00 Note 1	Expanded Fill 1.30 Note 2	Reduced Marsh in Fill 0.60 Note 3	Mass Ordinate Note 4
0010	160+00		111.81	23.8	6.12	0.0								
	160+36	36	169.86	23.8	0.0	0.0	188	32	4	0	188	5	0	151
	160+50	14	129.91	23.8	1.51	0.0	78	12	0	0	266	5	0	217
	161+00	50	87.09	23.8	3.38	0.0	201	44	5	0	467	12	0	367
	161+50	50	91.21	23.8	2.32	0.0	165	44	5	0	632	18	0	482
	162+00	50	98.36	23.8	0.72	0.0	176	44	3	0	808	22	0	610
	162+50	50	98.08	23.8	12.84	0.0	182	44	13	0	990	39	0	731
	163+00	50	92.38	23.8	8.8	0.0	176	44	20	0	1166	65	0	837
	163+50	50	99.4	23.8	3.82	0.0	178	44	12	0	1344	81	0	955
	164+00	50	112.92	23.8	1.4	0.0	197	44	5	0	1541	87	0	1102
	164+50	50	118.4	25.3	0.8	0.0	214	45	2	0	1755	90	0	1268
	165+00	50	120.13	26.2	0.06	0.0	221	48	1	0	1976	91	0	1440
	165+50	50	135.19	27.7	0.0	0.0	236	50	0	0	2212	91	0	1626
	166+00	50	137.92	28.1	0.0	0.0	253	52	0	0	2465	91	0	1827
	166+50	50	165.03	28.1	0.0	0.0	281	52	0	0	2746	91	0	2056
	167+00	50	202.67	28.1	0.0	0.0	340	52	0	0	3086	91	0	2344
	167+50	50	98.7	28.6	0.0	0.0	279	52	0	0	3365	91	0	2571
	168+00	50	98.17	28.6	0.0	0.0	182	53	0	0	3547	91	0	2700
	168+50	50	81.83	28.3	0.0	0.0	167	53	0	0	3714	91	0	2814
	169+00	50	99.89	26.2	100.34	0.0	168	50	93	0	3882	212	0	2811
	169+50	50	96.34	24.1	102.17	0.0	182	47	188	0	4064	456	0	2702
	170+00	50	86.2	23.8	114.78	0.0	169	44	201	0	4233	718	0	2565
	170+50	50	74.72	23.8	109.48	0.0	149	44	208	0	4382	988	0	2400
	171+00	50	70.24	23.8	117.35	0.0	134	44	210	0	4516	1261	0	2217
	171+50	50	61.95	23.8	106.16	0.0	122	44	207	0	4638	1530	0	2026
	172+00	50	69.38	23.8	103.11	0.0	122	44	194	0	4760	1782	0	1852
	172+50	50	79.27	23.8	80.49	0.0	138	44	170	0	4898	2003	0	1725
	173+00	50	77.27	23.8	67.65	0.0	145	44	137	0	5043	2181	0	1648
	173+50	50	86.74	23.8	68.61	0.0	152	44	126	0	5195	2345	0	1592
	174+00	50	94.82	23.8	24.61	0.0	168	44	86	0	5363	2457	0	1604
	174+50	50	108.57	23.8	21.15	0.0	188	44	42	0	5551	2512	0	1693
	175+00	50	110.31	23.8	18.16	0.0	203	44	36	0	5754	2558	0	1806
							5754	1390	1968	0				

PROJECT ID 5290-00-72

Tierney-TC Substage 1C - CONTINUED

Category	Station	Distance	Area (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)			Mass Ordinate
			Cut	Unusable Pavement Material	Fill	Marsh Excavation	Cut	Unusable Pavement Material	Fill	Marsh Excavation	Cut 1.00	Expanded Fill 1.30	Reduced Marsh in Fill 0.60	
							Note 1				Note 1	Note 2	Note 3	Note 4
0050	302+36		0.0	0.0	0.0	0.0								
	302+85	49	143.66	0.0	260.76	0.0	130	0	237	0	130	308	0	-178
	303+00	15	163.94	0.0	180.47	0.0	85	0	123	0	215	468	0	-75
	303+25	25	206.2	0.0	137.35	0.0	171	0	147	0	386	659	0	-95
	303+50	25	168.25	0.0	63.02	0.0	173	0	93	0	559	780	0	-43
	303+75	25	185.92	0.0	5.94	0.0	164	0	32	0	723	822	0	80
	304+00	25	127.3	0.0	13.32	0.0	145	0	9	0	868	833	0	213
	304+10	10	143.31	0.0	17.39	0.0	50	0	6	0	918	841	0	255
	304+25	15	92.39	0.0	6.41	0.0	65	0	7	0	983	850	0	311
	304+37	12	91.15	0.0	0.19	0.0	41	0	1	0	1024	852	0	351
							1024	0	655	0				

PROJECT ID 5290-00-72
STH 19 EB Substage 1C - CONTINUED

Category	Station	Distance	Area (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)			Mass Ordinate
			Cut	Unusable Pavement Material	Fill	Marsh Excavation	Cut	Unusable Pavement Material	Fill	Marsh Excavation	Cut	Expanded Fill	Reduced Marsh in Fill	
							Note 1				1.00 Note 1	1.30 Note 2	0.60 Note 3	Note 4
0010	177+00		302.39	0.0	7.56	0.0								
	177+50	50	271.34	0.0	54.08	0.0	531	0	57	0	531	74	0	457
	178+00	50	248.21	0.0	65.55	0.0	481	0	111	0	1012	218	0	794
	178+50	50	231.02	0.0	67.96	0.0	444	0	124	0	1456	380	0	1076
	179+00	50	234.62	0.0	70	0.0	431	0	128	0	1887	546	0	1341
	179+50	50	221.25	0.0	50	0.0	422	0	111	0	2309	690	0	1619
	180+00	50	488.47	0.0	30.48	0.0	657	0	75	0	2966	788	0	2178
	180+50	50	686.88	0.0	28.4	0.0	1088	0	55	0	4054	859	0	3195
	181+00	50	381.51	0.0	21.18	0.0	989	0	46	0	5043	919	0	4124
	181+50	50	288.93	0.0	18.97	0.0	621	0	37	0	5664	967	0	4697
	182+00	50	311.06	0.0	9.52	0.0	556	0	26	0	6220	1001	0	5219
	182+50	50	338.03	0.0	8.46	0.0	601	0	17	0	6821	1023	0	5798
	183+00	50	400.07	0.0	1.06	0.0	683	0	9	0	7504	1035	0	6469
	183+50	50	404.19	0.0	0.0	0.0	745	0	1	0	8249	1036	0	7213
	184+00	50	408.69	0.0	0.0	0.0	753	0	0	0	9002	1036	0	7966
	184+50	50	353.11	0.0	0.0	0.0	705	0	0	0	9707	1036	0	8671
	185+00	50	282.34	0.0	0.0	0.0	588	0	0	0	10295	1036	0	9259
	185+50	50	273.9	0.0	0.0	0.0	515	0	0	0	10810	1036	0	9774
	186+00	50	325.14	0.0	0.0	0.0	555	0	0	0	11365	1036	0	10329
	186+50	50	258.24	0.0	2.31	0.0	540	0	2	0	11905	1039	0	10866
	187+00	50	251.62	0.0	22.84	0.0	472	0	23	0	12377	1069	0	11308
							12377	0	822	0				

PROJECT ID 5290-00-72

River Rd-RNB South of RAB Substage 1D

Category	Station	Distance	Area (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)			Mass Ordinate
			Cut	Unusable Pavement Material	Fill	Marsh Excavation	Cut	Unusable Pavement Material	Fill	Marsh Excavation	Cut 1.00	Expanded Fill 1.30	Reduced Marsh in Fill 0.60	
							Note 1				Note 1	Note 2	Note 3	Note 4
0010	46+50		0.0	0.8	0.0	0.0								
	47+00	50	0.0	1.4	0.0	0.0	0	2	0	0	0	0	0	-2
	47+50	50	0.0	3.7	0.0	0.0	0	5	0	0	0	0	0	-7
	48+00	50	0.0	7.5	0.0	0.0	0	10	0	0	0	0	0	-17
	48+50	50	0.0	11.0	0.0	0.0	0	17	0	0	0	0	0	-34
	49+00	50	0.0	8.7	0.0	0.0	0	18	0	0	0	0	0	-52
	49+50	50	0.0	8.7	0.0	0.0	0	16	0	0	0	0	0	-68
	49+95	45	293.74	8.7	0.0	0.0	245	14	0	0	245	0	0	163
	50+00	5	241.02	8.7	0.0	0.0	50	2	0	0	295	0	0	211
	50+50	50	252.58	8.7	0.0	0.0	457	16	0	0	752	0	0	652
	51+00	50	247.57	8.7	0.0	0.0	463	16	0	0	1215	0	0	1099
	51+50	50	223.97	8.7	0.0	0.0	437	16	0	0	1652	0	0	1520
	52+00	50	196.04	8.7	0.0	0.0	389	16	0	0	2041	0	0	1893
	52+50	50	141.44	8.7	2.94	0.0	312	16	3	0	2353	4	0	2185
	53+00	50	118.97	8.7	7.84	0.0	241	16	10	0	2594	17	0	2397
	53+50	50	77.0	8.7	37.61	0.0	181	16	42	0	2775	72	0	2508
	54+00	50	8.05	8.7	93.18	0.0	79	16	121	0	2854	229	0	2413
	54+25	25	9.94	8.7	244.87	0.0	8	8	157	0	2862	433	0	2209
	54+50	25	11.39	8.7	323.18	0.0	10	8	263	0	2872	775	0	1869
	ROUNDABOUT		-	-	-	0.0	237	0	1198	0	3109	2332	0	549
							3109	228	1794	0				

PROJECT ID 5290-00-72
STH 19 EB Substage 1D

Category	Station	Distance	Area (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)			Mass Ordinate
			Cut	Unusable Pavement Material	Fill	Marsh Excavation	Cut Note 1	Unusable Pavement Material	Fill	Marsh Excavation	Cut 1.00 Note 1	Expanded Fill 1.30 Note 2	Reduced Marsh in Fill 0.60 Note 3	Note 4
0010	146+10		8.58	0.0	772.44	0.0								
	146+50	40	14.26	0.0	613.4	0.0	17	0	1027	0	17	1335	0	-1318
	187+00		251.62	0.0	22.84	0.0					17	1335	0	-1318
	187+50	50	112.45	0.0	0.5	0.0	337	0	22	0	354	1364	0	-1010
	188+00	50	92.65	0.0	0.0	0.0	190	0	0	0	544	1364	0	-820
	188+50	50	183.91	0.0	22.86	0.0	256	0	21	0	800	1391	0	-591
	189+00	50	213.63	0.0	20.65	0.0	368	0	40	0	1168	1443	0	-275
	189+50	50	206.73	0.0	8.8	0.0	389	0	27	0	1557	1478	0	79
	190+00	50	146.74	3.3	6.21	0.0	327	3	14	0	1884	1496	0	385
	190+50	50	128.5	9.4	3.53	0.0	255	12	9	0	2139	1508	0	616
	191+00	50	142.67	15.0	9.89	0.0	251	23	12	0	2390	1524	0	828
	191+50	50	147.81	20.2	9.9	0.0	269	33	18	0	2659	1547	0	1041
	192+00	50	133.73	24.3	15.09	0.0	261	41	23	0	2920	1577	0	1231
	192+50	50	205.62	24.3	0.0	0.0	314	45	14	0	3234	1595	0	1482
	193+00	50	135.25	24.3	7.13	0.0	316	45	7	0	3550	1604	0	1744
	193+50	50	128.36	24.3	5.42	0.0	244	45	12	0	3794	1620	0	1927
	194+00	50	120.42	24.3	8.65	0.0	230	45	13	0	4024	1637	0	2095
	194+50	50	25.7	0.0	0.0	0.0	135	23	8	0	4159	1647	0	2197
	194+68	18	20.78	0.0	0.98	0.0	15	0	0	0	4174	1647	0	2212
							4174	315	1267	0				

PROJECT ID 5290-00-72
Liuna Way-LES Substage 1D

Category	Station	Distance	Area (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)			Mass Ordinate
			Cut	Unusable Pavement Material	Fill	Marsh Excavation	Cut Note 1	Unusable Pavement Material	Fill	Marsh Excavation	Cut 1.00 Note 1	Expanded Fill 1.30 Note 2	Reduced Marsh in Fill 0.60 Note 3	Note 4
0010	8+75		0.0	0.0	0.0	0.0								
	8+86	11	63.41	13.8	0.0	0.0	13	3	0	0	13	0	0	10
	9+00	14	60.84	13.8	0.93	0.0	21	5	0	0	34	0	0	26
	9+25	25	122.33	13.8	0.0	0.0	85	13	0	0	119	0	0	98
	9+50	25	404.76	13.8	0.0	0.0	244	13	0	0	363	0	0	329
							363	34	0	0				

PROJECT ID 5290-00-72

Temporary Median Crossovers TEB2- Substage 1E.

Category	Station	Distance	Area (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				Mass Ordinate
			Cut	Unusable Pavement Material	Fill	Marsh Excavation	Cut	Unusable Pavement Material	Fill	Marsh Excavation	Cut 1.00	Expanded Fill 1.30	Reduced Fill Marsh 1.25	Reduced Marsh in Fill 0.60	
							Note 1				Note 1	Note 2		Note 3	Note 4
0050	256+50		0.4	0.4	0.0	0.0									
	257+00	50	0.8	0.8	0.0	0.0	1	1	0	0	1	0	0	0	0
	257+50	50	4.6	2.1	0.0	0.0	5	3	0	0	6	0	0	0	2
	258+00	50	8.8	4.3	0.0	0.0	12	6	0	0	18	0	0	0	8
	258+50	50	15.9	7.6	0.0	0.0	23	11	0	0	41	0	0	0	20
	259+00	50	26.2	9.6	0.0	0.0	39	16	0	0	80	0	0	0	43
	259+50	50	8.2	10.3	0.0	0.0	32	18	0	0	112	0	0	0	57
	260+00	50	5.3	6.1	0.0	0.0	12	15	0	0	124	0	0	0	54
	260+50	50	5.3	2.4	11.5	0.0	10	8	11	0	134	14	0	0	42
	261+00	50	26.4	0.0	0.0	0.0	29	2	11	0	163	29	0	0	54
	261+50	50	18.5	0.0	0.0	0.0	42	0	0	0	205	29	0	0	96
	262+00	50	0.0	0.0	0.0	0.0	17	0	0	0	222	29	0	0	113
						0.0									
	272+50		0.0	0.0	0.0	0.0	0	0	0	0	222	29	0	0	0
	273+00	50	31.9	0.0	0.0	0.0	30	0	0	0	252	29	0	0	30
	273+50	50	35.9	1.6	0.0	0.0	63	1	0	0	315	29	0	0	92
	273+75	25	2.2	2.9	0.0	0.0	18	2	0	0	333	29	0	0	108
	274+00	25	17.9	4.2	0.0	0.0	9	3	0	0	342	29	0	0	114
	274+50	50	4.7	6.5	0.0	0.0	21	10	0	0	363	29	0	0	125
	275+00	50	2.3	9.0	0.0	0.0	6	14	0	0	369	29	0	0	117
	275+50	50	1.0	12.4	0.0	0.0	3	20	0	0	372	29	0	0	100
	276+00	50	0.0	12.5	0.0	0.0	1	23	0	0	373	29	0	0	78
	276+50	50	0.0	7.8	0.0	0.0	0	19	0	0	373	29	0	0	59
	277+00	50	0.0	4.4	0.0	0.0	0	11	0	0	373	29	0	0	48
	277+50	50	0.0	2.0	0.0	0.0	0	6	0	0	373	29	0	0	42
	278+00	50	0.0	0.7	0.0	0.0	0	3	0	0	373	29	0	0	39
	278+50	50	0.0	0.0	0.0	0.0	0	1	0	0	373	29	0	0	38
							373	193	22	0					

PROJECT ID 5290-00-72

Temporary Median Crossovers TEB2- Substage 1E

Category	Station	Distance	Area (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				Mass Ordinate
			Cut	Unusable Pavement Material	Fill	Marsh Excavation	Cut	Unusable Pavement Material	Fill	Marsh Excavation	Cut 1.00	Expanded Fill 1.30	Reduced Fill Marsh 1.25	Reduced Marsh in Fill 0.60	
							Note 1				Note 1	Note 2		Note 3	Note 4
0050	292+00		0.0	0.0	0.0	0.0									
	292+50	50	2.3	0.0	0.0	0.0	2	0	0	0	2	0	0	0	2
	293+00	50	29.3	0.0	0.0	0.0	29	0	0	0	31	0	0	0	31
	293+50	50	28.2	0.0	0.0	0.0	53	0	0	0	84	0	0	0	84
	294+00	50	15.0	0.0	0.0	0.0	40	0	0	0	124	0	0	0	124
	294+50	50	11.0	0.0	0.0	0.0	24	0	0	0	148	0	0	0	148
	294+64	14	11.5	0.0	0.0	0.0	6	0	0	0	154	0	0	0	154
							154	0	0	0					

PROJECT ID 5290-00-72
STH 19 WB Substage 2A

Category	Station	Distance	Area (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)			Mass Ordinate
			Cut	Unusable Pavement Material	Fill	Marsh Excavation	Cut	Unusable Pavement Material	Fill	Marsh Excavation	Cut 1.00	Expanded Fill 1.30	Reduced Marsh in Fill 0.60	
							Note 1				Note 1	Note 2	Note 3	Note 4
0010	132+50		0.0	1.3	0.0	0.0								
	133+00	50	0.0	2.0	0.0	0.0	0	3	0	0	0	0	0	-3
	133+50	50	0.0	3.9	0.0	0.0	0	5	0	0	0	0	0	-8
	134+00	50	0.0	6.4	0.0	0.0	0	10	0	0	0	0	0	-18
	134+50	50	0.0	8.3	0.0	0.0	0	14	0	0	0	0	0	-32
	135+00	50	84.42	21.0	43.66	0.0	78	27	40	0	78	52	0	-33
	135+50	50	118.62	19.9	44.38	0.0	188	38	82	0	266	159	0	10
	136+00	50	114.33	19.9	75.17	0.0	216	37	111	0	482	303	0	45
	136+50	50	106.37	19.9	100.84	0.0	204	37	163	0	686	515	0	0
	137+00	50	106.37	19.9	114.98	0.0	197	37	200	0	883	775	0	-100
	137+50	50	111.9	19.9	105.4	0.0	202	37	204	0	1085	1040	0	-200
	138+00	50	120.83	19.9	73.48	0.0	215	37	166	0	1300	1256	0	-238
	138+50	50	134.82	19.9	75.41	0.0	237	37	138	0	1537	1435	0	-217
	139+00	50	149.62	19.9	33.47	0.0	263	37	101	0	1800	1567	0	-123
	139+50	50	160.42	19.9	23.63	0.0	287	37	53	0	2087	1635	0	59
	140+00	50	166.66	19.9	0.0	0.0	303	37	22	0	2390	1664	0	296
	140+50	50	168.05	19.9	0.05	0.0	310	37	0	0	2700	1664	0	569
	141+00	50	166.51	19.9	0.0	0.0	310	37	0	0	3010	1664	0	842
	141+50	50	171.4	19.9	0.06	0.0	313	37	0	0	3323	1664	0	1118
	142+00	50	159.08	20.4	0.0	0.0	306	37	0	0	3629	1664	0	1387
	142+50	50	174.22	23.5	3.06	0.0	309	41	3	0	3938	1668	0	1651
	143+00	50	110.26	26.6	26.49	0.0	263	46	27	0	4201	1703	0	1833
	143+50	50	73.22	27.6	82.71	0.0	170	50	101	0	4371	1834	0	1822
	143+95	45	51.47	29.1	184.83	0.0	104	47	223	0	4475	2124	0	1589
	ROUNDABOUT		-	-	-	0.0	474	606	2396	0	4949	5238	0	-1658
							4949	1368	4030	0				

PROJECT ID 5290-00-72

River Rd-RSB North of RAB Substage 2A

Category	Station	Distance	Area (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)			Mass Ordinate
			Cut	Unusable Pavement Material	Fill	Marsh Excavation	Cut	Unusable Pavement Material	Fill	Marsh Excavation	Cut	Expanded Fill	Reduced Marsh in Fill	
							Note 1				1.00 Note 1	1.30 Note 2	0.60 Note 3	Note 4
0010	ROUNDABOUT													
	57+50		0.34	0.0	677.35	0.0								
	57+75	25	0.0	0.0	635.6	0.0	0	0	608	0	0	790	0	-790
	58+00	25	0.0	0.0	460.48	0.0	0	0	507	0	0	1450	0	-1450
	58+50	50	0.0	0.0	302.42	0.0	0	0	706	0	0	2367	0	-2367
	59+00	50	0.0	0.0	157.24	0.0	0	0	426	0	0	2921	0	-2921
	59+50	50	0.0	0.0	108.28	0.0	0	0	246	0	0	3241	0	-3241
	60+00	50	0.0	0.0	71.24	0.0	0	0	166	0	0	3457	0	-3457
	60+50	50	0.0	0.0	35.32	0.0	0	0	99	0	0	3585	0	-3585
	61+00	50	11.04	0.0	13	0.0	10	0	45	0	10	3644	0	-3634
	61+50	50	27.57	0.0	7.23	0.0	36	0	19	0	46	3669	0	-3623
							46	0	2822	0				

PROJECT ID 5290-00-72
River Rd-RNB North of RAB Substage 2A

Category	Station	Distance	Area (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)			Mass Ordinate
			Cut	Unusable Pavement Material	Fill	Marsh Excavation	Cut	Unusable Pavement Material	Fill	Marsh Excavation	Cut 1.00	Expanded Fill 1.30	Reduced Marsh in Fill 0.60	
							Note 1				Note 1	Note 2	Note 3	Note 4
0010	ROUNDABOUT							146						
	57+50		39.37	18.2	146.03	0.0	0	0	0	0	0	0	0	0
	57+75	25	20.12	13.4	106.46	0.0	28	15	117	0	28	152	0	-139
	58+00	25	6.19	13.4	81.06	0.0	12	12	87	0	40	265	0	-252
	58+50	50	3.62	13.4	60.86	0.0	9	25	131	0	49	436	0	-439
	59+00	50	19.54	13.4	36.72	0.0	21	25	90	0	70	553	0	-560
	59+50	50	6.04	13.4	38.71	0.0	24	25	70	0	94	644	0	-652
	59+71	21	0.9	13.4	54.67	0.0	3	10	36	0	97	690	0	-705
	60+00	29	0.72	13.4	43.81	0.0	1	14	53	0	98	759	0	-787
	60+35	35	5.15	13.4	31.78	0.0	4	17	49	0	102	823	0	-864
	60+50	15	5.7	13.4	30.56	0.0	3	7	17	0	105	845	0	-890
	61+00	50	3.01	13.4	28.44	0.0	8	25	55	0	113	917	0	-979
	61+50	50	12.14	9.3	17.33	0.0	14	21	42	0	127	971	0	-1040
	62+00	50	60.44	9.3	36.38	0.0	67	17	50	0	194	1036	0	-1055
	62+08	8	61.11	9.3	49.07	0.0	18	3	13	0	212	1053	0	-1057
	62+50	42	81.55	9.3	28.94	0.0	111	15	61	0	323	1132	0	-1040
	63+00	50	48.26	9.3	20.77	0.0	120	17	46	0	443	1192	0	-997
	63+10	10	52.66	9.3	13.37	0.0	19	3	6	0	462	1200	0	-989
							462	397	923	0				

PROJECT ID 5290-00-72
North of RAB-RiverPE_R Substage 2A

Category	Station	Distance	Area (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)			Mass Ordinate
			Cut	Unusable Pavement Material	Fill	Marsh Excavation	Cut	Unusable Pavement Material	Fill	Marsh Excavation	Cut 1.00	Expanded Fill 1.30	Reduced Marsh in Fill 0.60	
							Note 1				Note 1	Note 2	Note 3	Note 4
0010	10+50		5.38	0.0	35.6	0.0								
	10+75	25	4.12	0.0	8.95	0.0	4	0	21	0	4	27	0	-23
	11+00	25	14.95	0.0	4.16	0.0	9	0	6	0	13	35	0	-22
	11+25	25	15.4	0.0	0.0	0.0	14	0	2	0	27	38	0	-11
	11+50	25	0.0	0.0	0.0	0.0	7	0	0	0	34	38	0	-4
							34	0	29	0				

PROJECT ID 5290-00-72
STH 19 WB Substage 2A

Category	Station	Distance	Area (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)			
			Cut	Unusable Pavement Material	Fill	Marsh Excavation	Cut	Unusable Pavement Material	Fill	Marsh Excavation	Cut 1.00	Expanded Fill 1.30	Reduced Marsh in Fill 0.60	Mass Ordinate
							Note 1				Note 1	Note 2	Note 3	Note 4
0010	ROUNDABOUT													
	147+00		139.62	43.9	152.34	0.0	0	0	0	0	0	0	0	0
	147+50	50	137.51	43.8	106.09	0.0	257	81	239	0	257	311	0	-135
	148+00	50	142.27	42.7	80.31	0.0	259	80	173	0	516	536	0	-181
	148+50	50	66.59	40.3	106.14	0.0	193	77	173	0	709	761	0	-290
	149+00	50	50.35	38.8	114.14	0.0	108	73	204	0	817	1026	0	-520
	149+50	50	32.42	38.0	121.61	0.0	77	71	218	0	894	1309	0	-797
	150+00	50	24.53	34.6	80.1	0.0	53	67	187	0	947	1552	0	-1054
	150+50	50	8.57	29.9	94.41	0.0	31	60	162	0	978	1763	0	-1294
	151+00	50	19.15	25.0	95.34	0.0	26	51	176	0	1004	1992	0	-1548
							1004	560	1532	0				

PROJECT ID 5290-00-72
STH 19 WB Substage 2A

Category	Station	Distance	Area (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)			Mass Ordinate
			Cut	Unusable Pavement Material	Fill	Marsh Excavation	Cut	Unusable Pavement Material	Fill	Marsh Excavation	Cut 1.00	Expanded Fill 1.30	Reduced Marsh in Fill 0.60	
							Note 1				Note 1	Note 2	Note 3	Note 4
0010	175+00		110.31	23.8	36.4	0.0								
	175+50	50	92.79	23.8	31.19	0.0	188	44	63	0	188	82	0	62
	176+00	50	71.7	23.8	27.4	0.0	152	44	54	0	340	152	0	100
	176+50	50	54.57	23.8	30.81	0.0	117	44	54	0	457	222	0	103
	177+00	50	45.53	23.8	25.64	0.0	93	44	52	0	550	290	0	84
	177+50	50	29.43	23.8	34.16	0.0	69	44	55	0	526	361	0	38
	178+00	50	39.08	23.8	52.28	0.0	63	44	80	0	613	465	0	-47
	178+50	50	37.28	23.8	51.57	0.0	71	44	96	0	684	590	0	-145
	179+00	50	55.35	23.8	44.74	0.0	86	44	89	0	770	706	0	-219
	179+50	50	61.42	23.8	31.02	0.0	108	44	70	0	878	797	0	-246
	179+75	25	79.9	23.8	10.5	0.0	65	22	19	0	943	822	0	-228
	180+00	25	32.54	29.1	7.15	0.0	52	24	8	0	930	832	0	-210
	180+50	50	47.96	37.4	7.0	0.0	75	62	13	0	1005	849	0	-214
	181+00	50	64.98	38.8	2.36	0.0	105	71	9	0	1110	861	0	-192
	181+30	30	144.0	38.8	0.37	0.0	116	43	2	0	1226	863	0	-121
	181+50	20	144.47	38.8	0.24	0.0	107	29	0	0	1333	863	0	-43
	182+00	50	145.55	40.1	2.85	0.0	269	73	3	0	1602	867	0	149
	182+50	50	150.35	39.5	6.8	0.0	274	74	9	0	1876	879	0	337
	183+00	50	148.99	38.8	10.7	0.0	277	73	16	0	2153	900	0	520
	183+50	50	158.79	38.2	19.52	0.0	285	71	28	0	2438	936	0	698
	184+00	50	160.74	38.7	37.78	0.0	296	71	53	0	2172	948	0	493
	184+50	50	152.32	38.3	53.95	0.0	290	71	85	0	2462	1058	0	602
	185+00	50	167.05	37.5	37.61	0.0	296	70	85	0	2758	1169	0	717
	185+50	50	193.39	38.2	8.16	0.0	334	70	42	0	3092	1223	0	927
	186+00	50	231.67	36.1	0.0	0.0	394	69	8	0	3486	1234	0	1241
	186+50	50	277.37	30.7	0.0	0.0	471	62	0	0	3957	1234	0	1650
	187+00	50	293.12	32.6	0.0	0.0	528	59	0	0	4485	1234	0	2119
	187+50	50	302.64	38.5	0.0	0.0	552	66	0	0	5037	1234	0	2605
	188+00	50	290.76	59.2	0.0	0.0	549	90	0	0	5586	1234	0	3064
	188+50	50	287.66	50.7	0.0	0.0	536	102	0	0	6122	1234	0	3498
	189+00	50	288.79	39.9	0.0	0.0	534	84	0	0	6656	1234	0	3948
	189+50	50	285.12	46.3	0.0	0.0	531	80	0	0	7187	1234	0	4399

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PROJECT ID 5290-00-72
STH 19 WB Substage 2A

Category	Station	Distance	Area (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)			Mass Ordinate
			Cut	Unusable Pavement Material	Fill	Marsh Excavation	Cut	Unusable Pavement Material	Fill	Marsh Excavation	Cut	Expanded Fill	Reduced Marsh in Fill	
							Note 1				1.00 Note 1	1.30 Note 2	0.60 Note 3	Note 4
0010	190+00		242.51	47.6	1.81	0.0	0	0	0	0	7187	1234	0	4399
	190+50	50	211.6	44.6	3.28	0.0	420	85	5	0	7607	1240	0	4728
	191+00	50	165.49	39.9	2.82	0.0	349	78	6	0	7956	1248	0	4991
	191+50	50	129.37	35.5	5.16	0.0	273	70	7	0	8229	1257	0	5185
	192+00	50	106.75	30.9	6.63	0.0	219	61	11	0	8448	1271	0	5329
	192+50	50	89.52	30.9	4.35	0.0	182	57	10	0	8630	1284	0	5441
	193+00	50	87.19	32.0	8.27	0.0	164	58	12	0	8794	1300	0	5531
	193+50	50	95.21	30.7	13.01	0.0	169	58	20	0	8963	1326	0	5616
	194+00	50	109.44	31.0	11.83	0.0	189	57	23	0	9152	1356	0	5718
	194+50	50	80.43	28.7	5.55	0.0	176	55	16	0	9328	1377	0	5818
	195+00	50	0.0	0.0	0.0	0.0	74	27	5	0	9402	1383	0	5859
							10098	2438	1108	0				

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PROJECT ID 5290-00-72

Cashel Way- CW Substage 2A

Category	Station	Distance	Area (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)			Mass Ordinate
			Cut	Unusable Pavement Material	Fill	Marsh Excavation	Cut	Unusable Pavement Material	Fill	Marsh Excavation	Cut	Expanded Fill	Reduced Marsh in Fill	
							Note 1				1.00 Note 1	1.30 Note 2	0.60 Note 3	Note 4
0050	10+50		179.58	104.2	34.89									
	10+75	25	118.11	29.6	90.85	0.0	138	62	58	0	138	75	0	1
	11+00	25	127.1	20.6	2.9	0.0	114	23	43	0	252	131	0	36
	11+18	18	90.05	17.5	1.16	0.0	72	13	1	0	324	133	0	93
							324	98	102	0				

PROJECT ID 5290-00-72

Temporary Median Crossovers TEB3- Substage 2A

Category	Station	Distance	Area (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)			Mass Ordinate
			Cut	Unusable Pavement Material	Fill	Marsh Excavation	Cut	Unusable Pavement Material	Fill	Marsh Excavation	Cut	Expanded Fill	Reduced Marsh in Fill	
							Note 1				1.00 Note 1	1.30 Note 2	0.60 Note 3	Note 4
0050	247+00		0.0	0.0	0.0	0.0								
	247+24	24	3.7	0.0	0.0	0.0	2	0	0	0	0	0	0	2
	247+50	26	3.7	0.0	0.0	0.0	4	0	0	0	0	0	0	6
	248+00	50	3.7	0.0	0.0	0.0	7	0	0	0	0	0	0	13
	248+50	50	6.1	0.0	0.0	0.0	9	0	0	0	0	0	0	22
	249+00	50	15.3	0.0	0.0	0.0	20	0	0	0	0	0	0	42
	249+50	50	3.7	0.0	11.1	0.0	18	0	10	0	0	0	0	60
	249+75	25	0.0	0.0	25.9	0.0	2	0	17	0	0	0	0	62
	250+00	25	3.1	0.0	8.2	0.0	1	0	16	0	0	0	0	63
	250+50	50	26.0	0.0	0.0	0.0	27	0	8	0	0	0	0	90
	251+00	50	15.0	0.0	11.5	0.0	38	0	11	0	0	0	0	128
	251+10	10	12.5	0.0	0.0	0.0	5	0	2	0	0	0	0	133
							133	0	64	0				

PROJECT ID 5290-00-72
STH 19 WB SUBSTAGE 2B

Category	Station	Distance	Area (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)			Mass Ordinate
			Cut	Unusable Pavement Material	Fill	Marsh Excavation	Cut	Unusable Pavement Material	Fill	Marsh Excavation	Cut 1.00	Expanded Fill 1.30	Reduced Marsh in Fill 0.60	
							Note 1				Note 1	Note 2	Note 3	Note 4
0010	151+00		19.15	28.1	95.34	0.0								
	151+50	50	32.72	20.9	112.34	0.0	48	45	192	0	48	250	0	-247
	152+00	50	18.24	20.9	124.39	0.0	47	39	219	0	95	535	0	-524
	152+50	50	8.29	20.9	146.63	0.0	25	39	251	0	120	861	0	-864
	153+00	50	5.3	20.9	173.67	0.0	13	39	297	0	133	1247	0	-1276
	153+50	50	37.26	20.9	163.91	0.0	39	39	313	0	172	1653	0	-1682
	154+00	50	40.73	20.9	148.1	0.0	72	39	289	0	244	2029	0	-2025
	154+46	46	0.0	20.9	112.34	0.0	35	36	222	0	279	2317	0	-2314
	B-13-0795		0.0	0.0	676.9	0.0	0	0	0	0	279	2317	0	-2314
	155+75		0.0	22.8	251.51	0.0	0	0	0	0	279	2317	0	-2314
	156+00	25	45.45	22.8	251.51	0.0	21	21	233	0	300	2620	0	-2617
	156+50	50	61.63	22.8	157.32	0.0	99	42	379	0	399	3112	0	-3052
	157+00	50	75.02	22.8	78.55	0.0	127	42	218	0	526	3396	0	-3251
	157+50	50	107.29	22.8	16.22	0.0	169	42	88	0	695	3510	0	-3238
	157+58	8	117.33	22.8	14.1	0.0	33	7	4	0	728	3516	0	-3218
	157+83	25	151.34	22.8	13.22	0.0	124	21	13	0	852	3532	0	-3131
	157+89	6	152.47	22.8	13.68	0.0	34	5	3	0	886	3536	0	-3106
	158+00	11	153.82	22.8	14.26	0.0	62	9	6	0	948	3543	0	-3060
	158+08	8	155.49	22.8	13.88	0.0	46	7	4	0	994	3549	0	-3027
	158+14	6	155.14	22.8	13.62	0.0	35	5	3	0	1029	3553	0	-3001
	158+39	25	154.84	22.8	14.0	0.0	144	21	13	0	1173	3569	0	-2894
	158+50	11	153.91	22.8	12.72	0.0	63	9	5	0	1236	3577	0	-2848
	159+00	50	153.15	22.8	9.13	0.0	284	42	20	0	1520	3603	0	-2632
	159+50	50	116.34	22.8	9.18	0.0	250	42	17	0	1770	3625	0	-2446
	160+00	50	111.81	22.8	6.12	0.0	211	42	14	0	1981	3643	0	-2295
							1981	633	2803	0				

PROJECT ID 5290-00-72

Temporary Median Crossovers TEB2- Substage 2B

Category	Station	Distance	Area (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)			Mass Ordinate
			Cut	Unusable Pavement Material	Fill	Marsh Excavation	Cut	Unusable Pavement Material	Fill	Marsh Excavation	Cut 1.00	Expanded Fill 1.30	Reduced Marsh in Fill 0.60	
							Note 1				Note 1	Note 2	Note 3	Note 4
0050	292+00		0.0	0.0	0.0	0.0								
	292+50	50	2.3	2.3	2.5	0.0	2	2	2	0	2	3	0	-3
	293+00	50	29.3	5.3	32.3	0.0	29	7	32	0	31	44	0	-22
	293+50	50	28.2	5.1	31.1	0.0	53	10	59	0	84	121	0	-56
	294+00	50	15.0	2.7	16.5	0.0	40	7	44	0	124	178	0	-80
	294+50	50	11.0	2.0	12.1	0.0	24	4	27	0	148	213	0	-95
	294+64	14	11.5	2.1	12.7	0.0	6	1	6	0	154	221	0	-98
							154	31	170	0				

PROJECT ID 5290-00-72

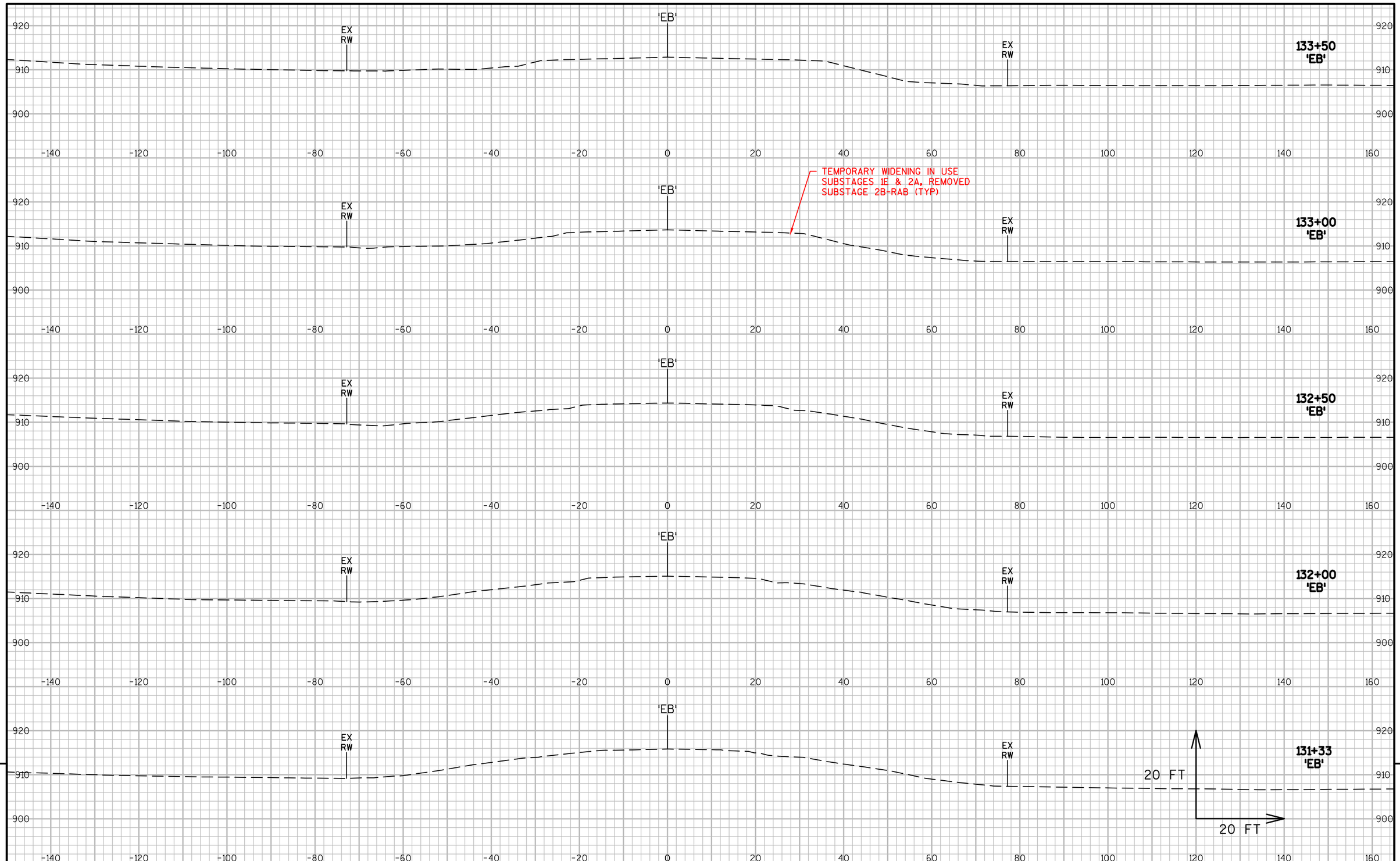
Temporary Median Crossovers TEB3- Substage 2C

Category	Station	Distance	Area (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				Mass Ordinate
			Cut	Unusable Pavement Material	Fill	Marsh Excavation	Cut	Unusable Pavement Material	Fill	Marsh Excavation	Cut	Expanded Fill	Reduced Fill Marsh	Reduced Marsh in Fill	
							Note 1				1.00 Note 1	1.30 Note 2	1.25	0.60 Note 3	Note 4
0050	247+00		0.0	0.0	0.0	0.0									
	247+24	24	3.7	0.7	0.0	0.0	2	0	0	0	2	0	0	0	2
	247+50	26	3.7	0.7	0.0	0.0	4	1	0	0	6	0	0	0	5
	248+00	50	3.7	0.7	0.0	0.0	7	1	0	0	13	0	0	0	11
	248+50	50	6.1	1.3	0.0	0.0	9	2	0	0	22	0	0	0	18
	249+00	50	15.3	3.3	0.0	0.0	20	4	0	0	42	0	0	0	34
	249+50	50	3.7	6.7	11.1	0.0	18	9	10	0	60	13	0	0	30
	249+75	25	0.0	5.8	25.9	0.0	2	6	17	0	62	35	0	0	4
	250+00	25	3.1	5.8	8.2	0.0	1	5	16	0	63	56	0	0	-21
	250+50	50	26.0	5.4	0.0	0.0	27	10	8	0	90	66	0	0	-14
	251+00	50	15.0	2.7	11.5	0.0	38	8	11	0	128	81	0	0	1
	251+10	10	12.5	2.3	0.0	0.0	5	1	2	0	133	83	0	0	3
							133	47	64	0					

PROJECT ID 5290-00-72

Temporary Median Crossovers TEB2- Substage 2C

Category	Station	Distance	Area (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				Mass Ordinate
			Cut	Unusable Pavement Material	Fill	Marsh Excavation	Cut	Unusable Pavement Material	Fill	Marsh Excavation	Cut	Expanded Fill	Reduced Fill Marsh	Reduced Marsh in Fill	
							Note 1				1.00 Note 1	1.30 Note 2	1.25	0.60 Note 3	Note 4
0050	256+50		0.4	0.4	0.0	0.0									
	257+00	50	0.8	0.8	0.0	0.0	1	1	0	0	1	0	0	0	0
	257+50	50	4.6	2.1	0.0	0.0	5	3	0	0	6	0	0	0	2
	258+00	50	8.8	4.3	0.0	0.0	12	6	0	0	18	0	0	0	8
	258+50	50	15.9	7.6	0.0	0.0	23	11	0	0	41	0	0	0	20
	259+00	50	26.2	9.6	0.0	0.0	39	16	0	0	80	0	0	0	43
	259+50	50	8.2	10.3	0.0	0.0	32	18	0	0	112	0	0	0	57
	260+00	50	5.3	6.1	0.0	0.0	12	15	0	0	124	0	0	0	54
	260+50	50	5.3	2.4	11.5	0.0	10	8	11	0	134	14	0	0	42
	261+00	50	26.4	0.0	0.0	0.0	29	2	11	0	163	29	0	0	54
	261+50	50	18.5	0.0	0.0	0.0	42	0	0	0	205	29	0	0	96
	262+00	50	0.0	0.0	0.0	0.0	17	0	0	0	222	29	0	0	113
							222	80	22	0					



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PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: 'EB'	SHEET	E

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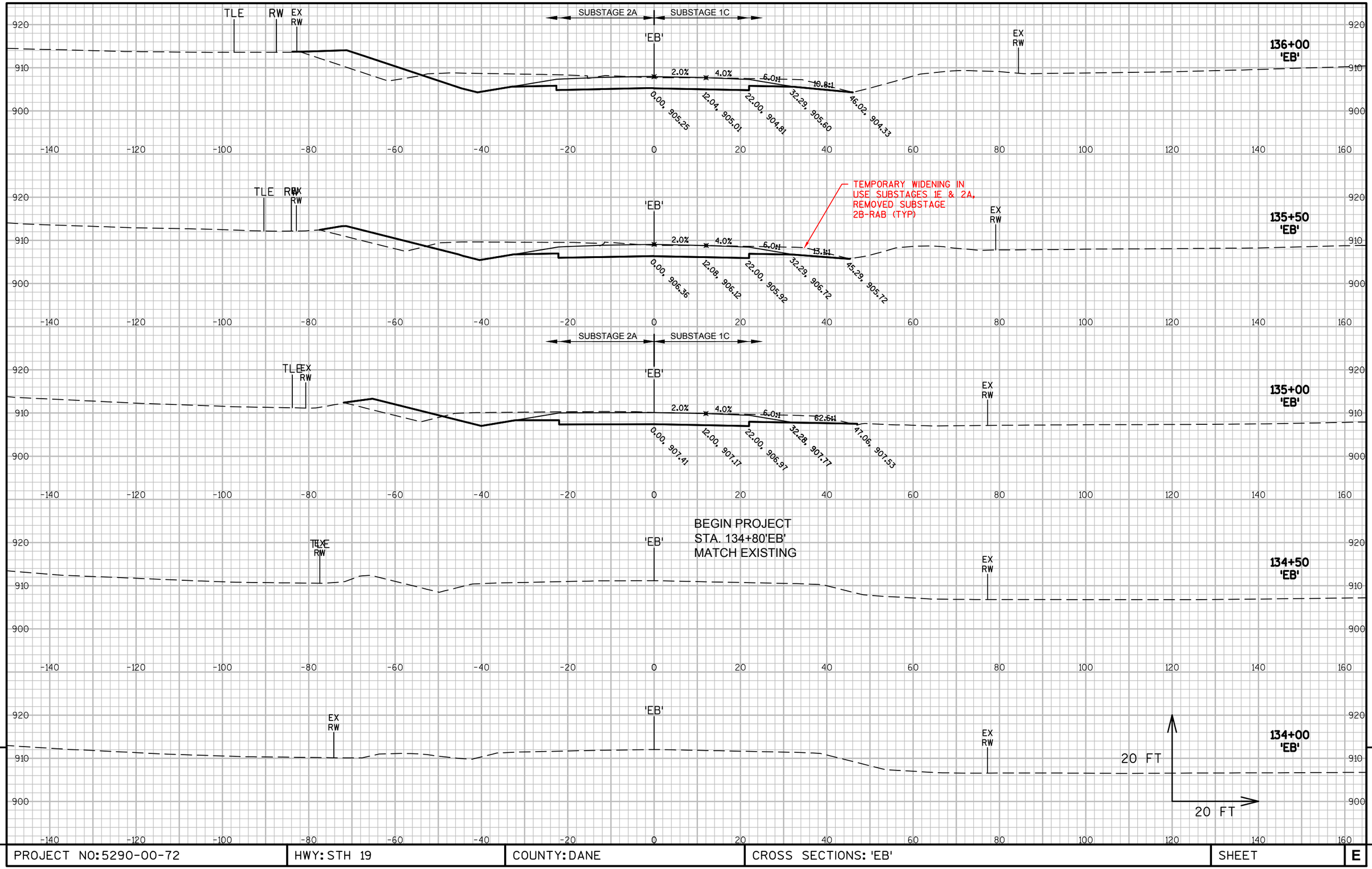
WISDOT/CADDS SHEET 49



PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: 'EB'	SHEET	E

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LAYOUT NAME - XEB01_02

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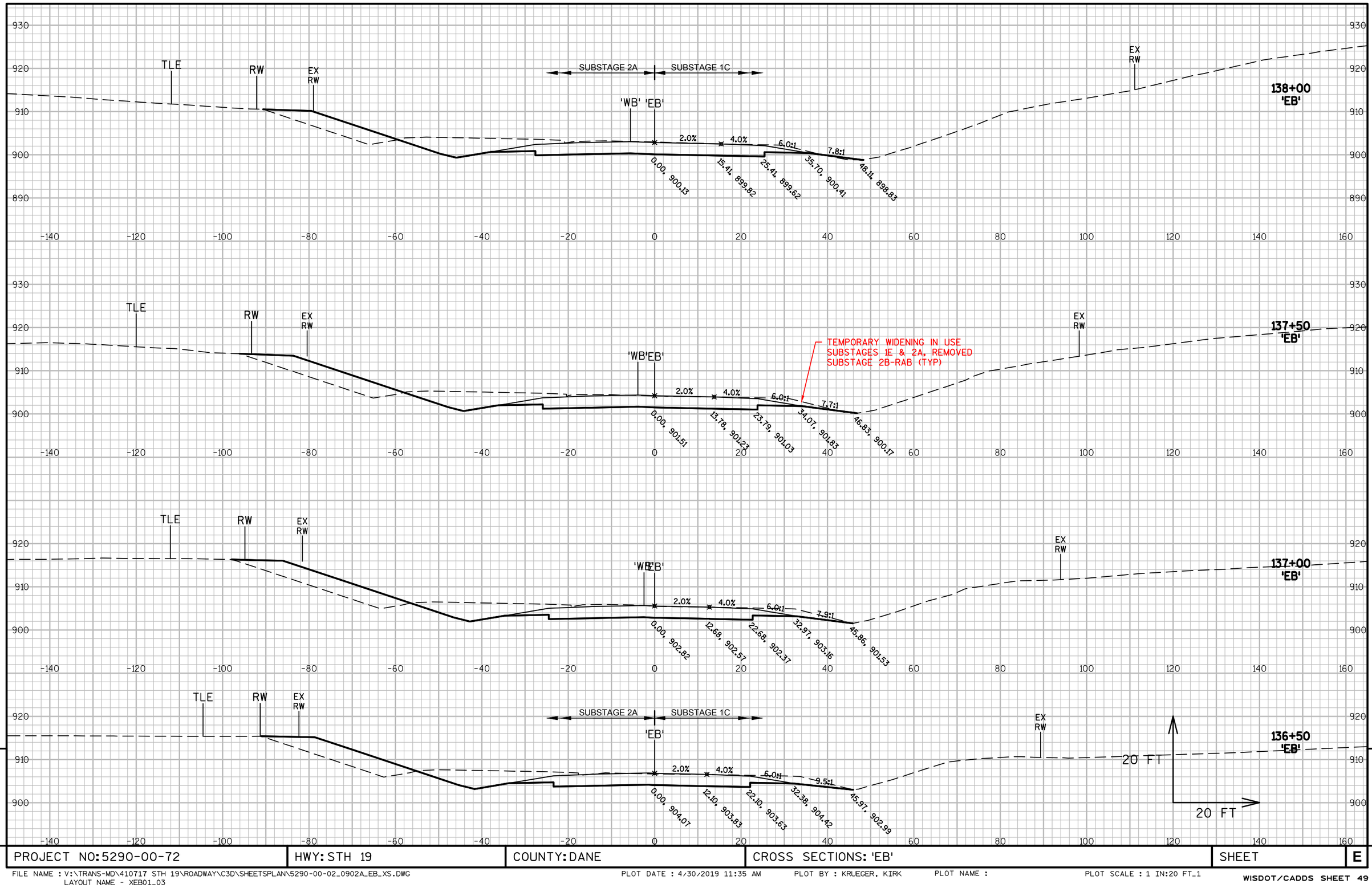

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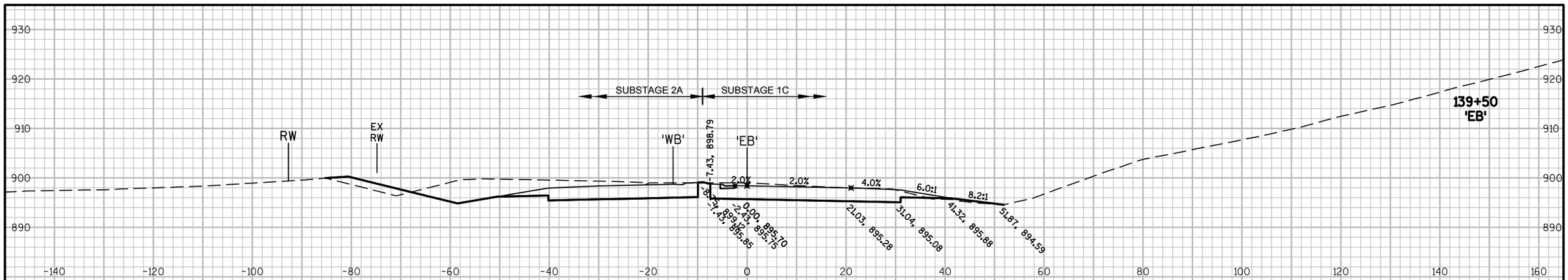
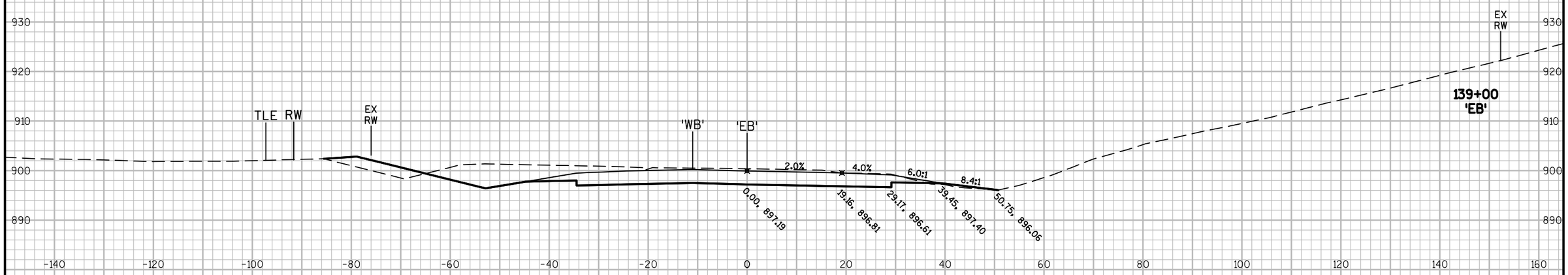
PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: 'EB'	SHEET	E

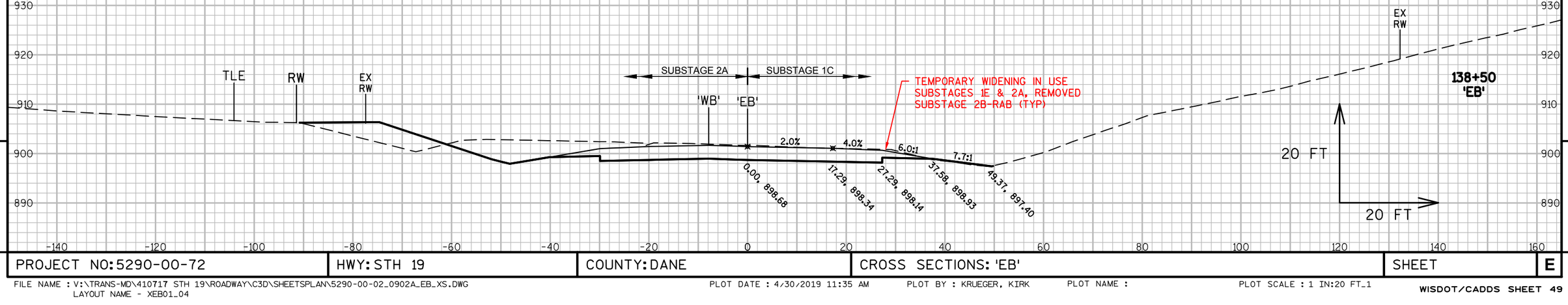
9

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0902A_EB_XS.DWG
LAYOUT NAME - XEB01_03

PLOT DATE : 4/30/2019 11:35 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:20 FT_1







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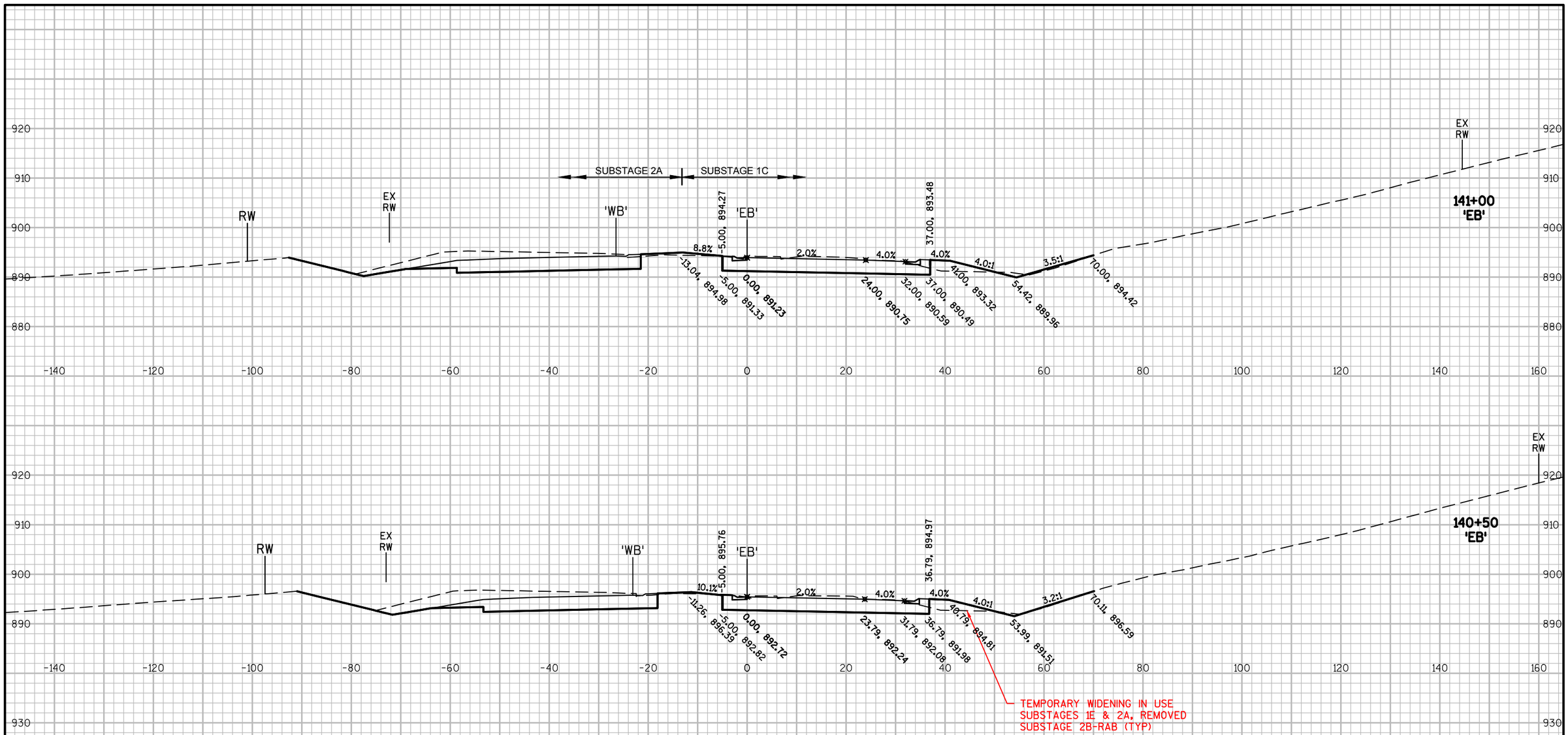
PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: 'EB'	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0902A_EB_XS.DWG
LAYOUT NAME - XEB01_04

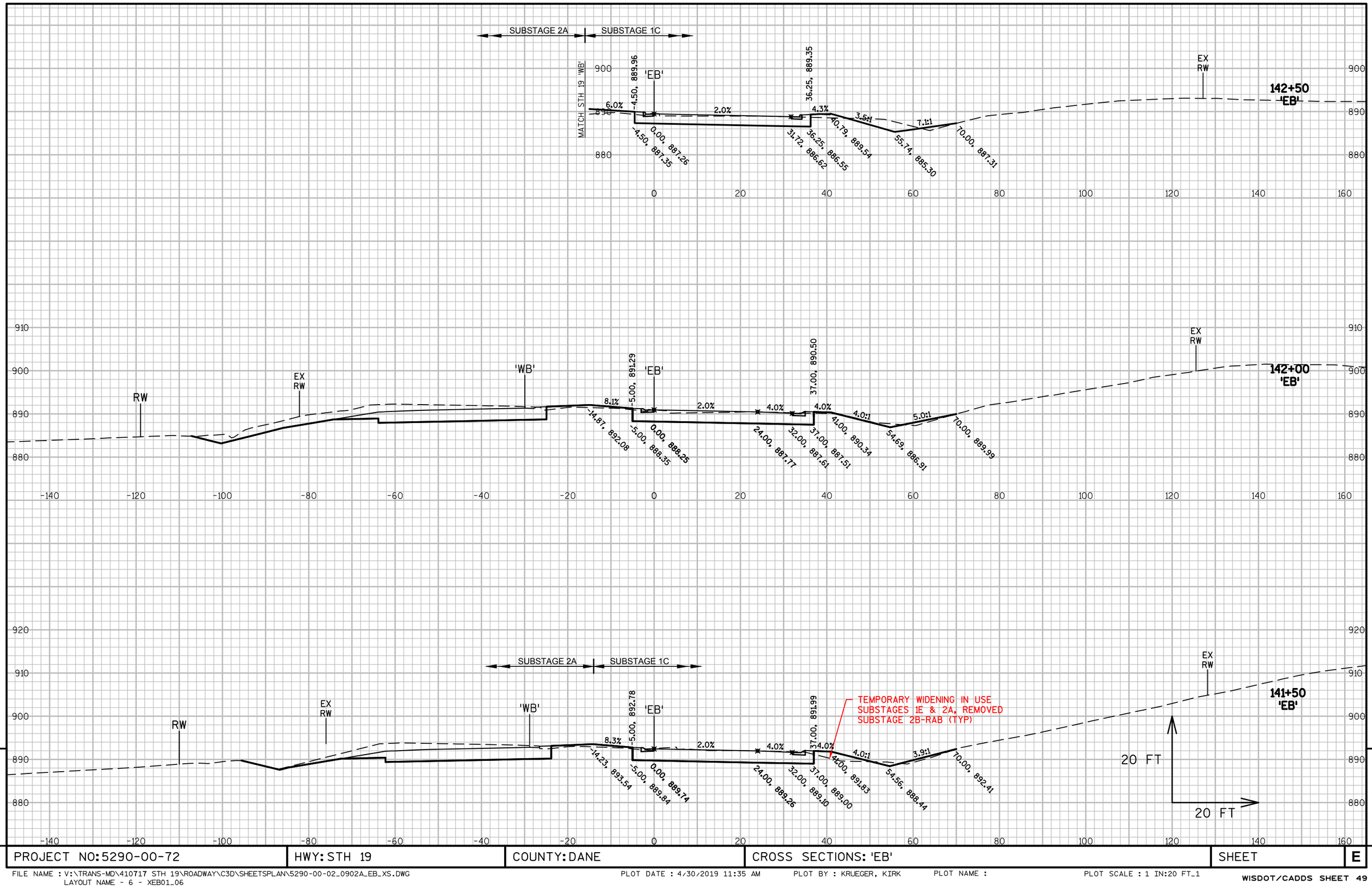
PLOT DATE : 4/30/2019 11:35 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:20 FT_1



PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: 'EB'	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0902A_EB_XS.DWG
LAYOUT NAME - XEB01_05

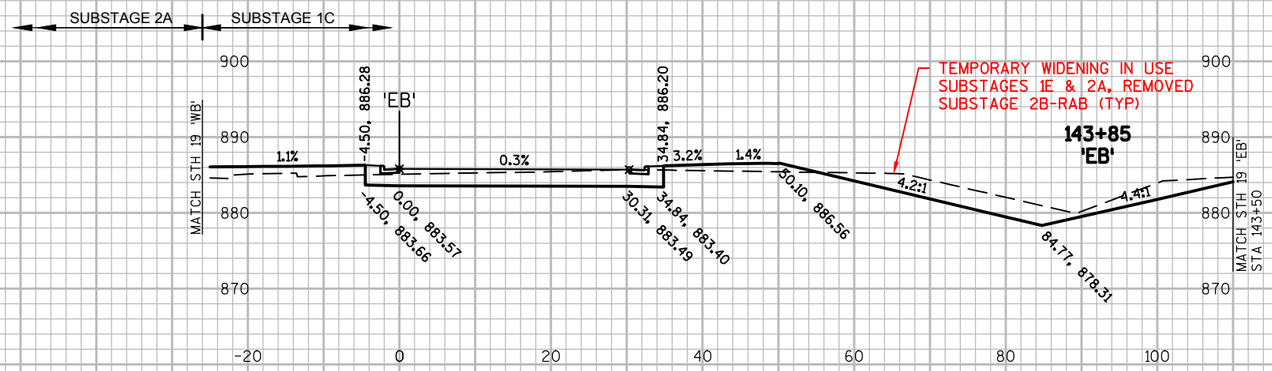
PLOT DATE : 4/30/2019 11:35 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:20 FT_1

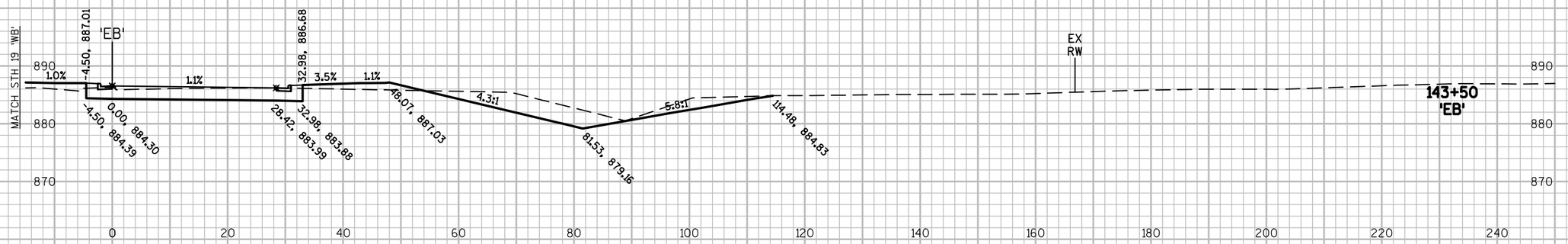


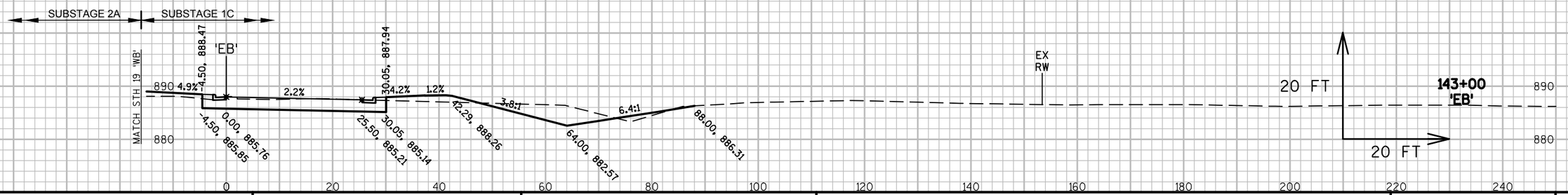
PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: 'EB'	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0902A_EB_XS.DWG
LAYOUT NAME - 6 - XEB01_06

PLOT DATE : 4/30/2019 11:35 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:20 FT_1







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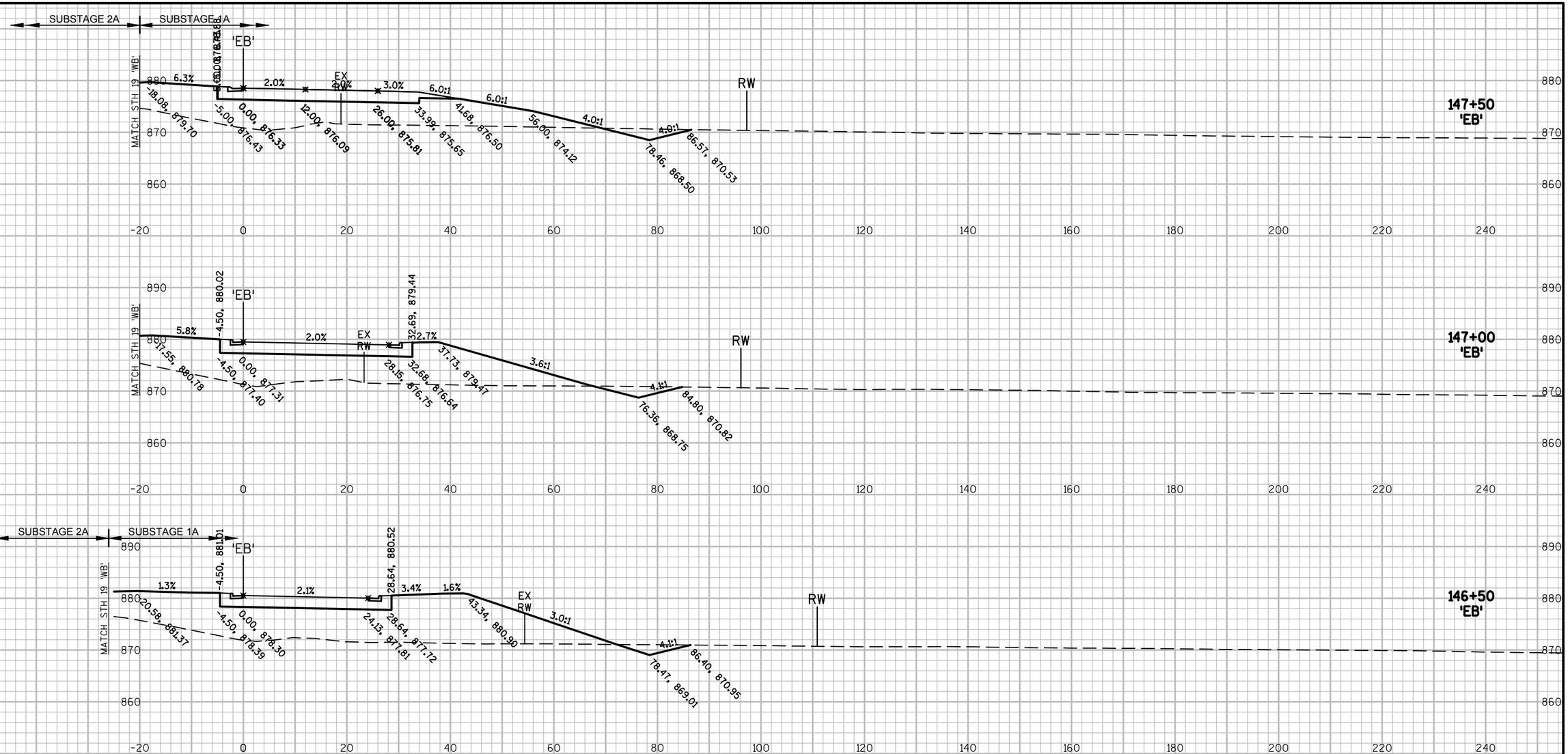
PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: 'EB'	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0902A_EB_XS.DWG
LAYOUT NAME - XEB01_07
PLOT DATE : 4/30/2019 11:36 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:20 FT_1



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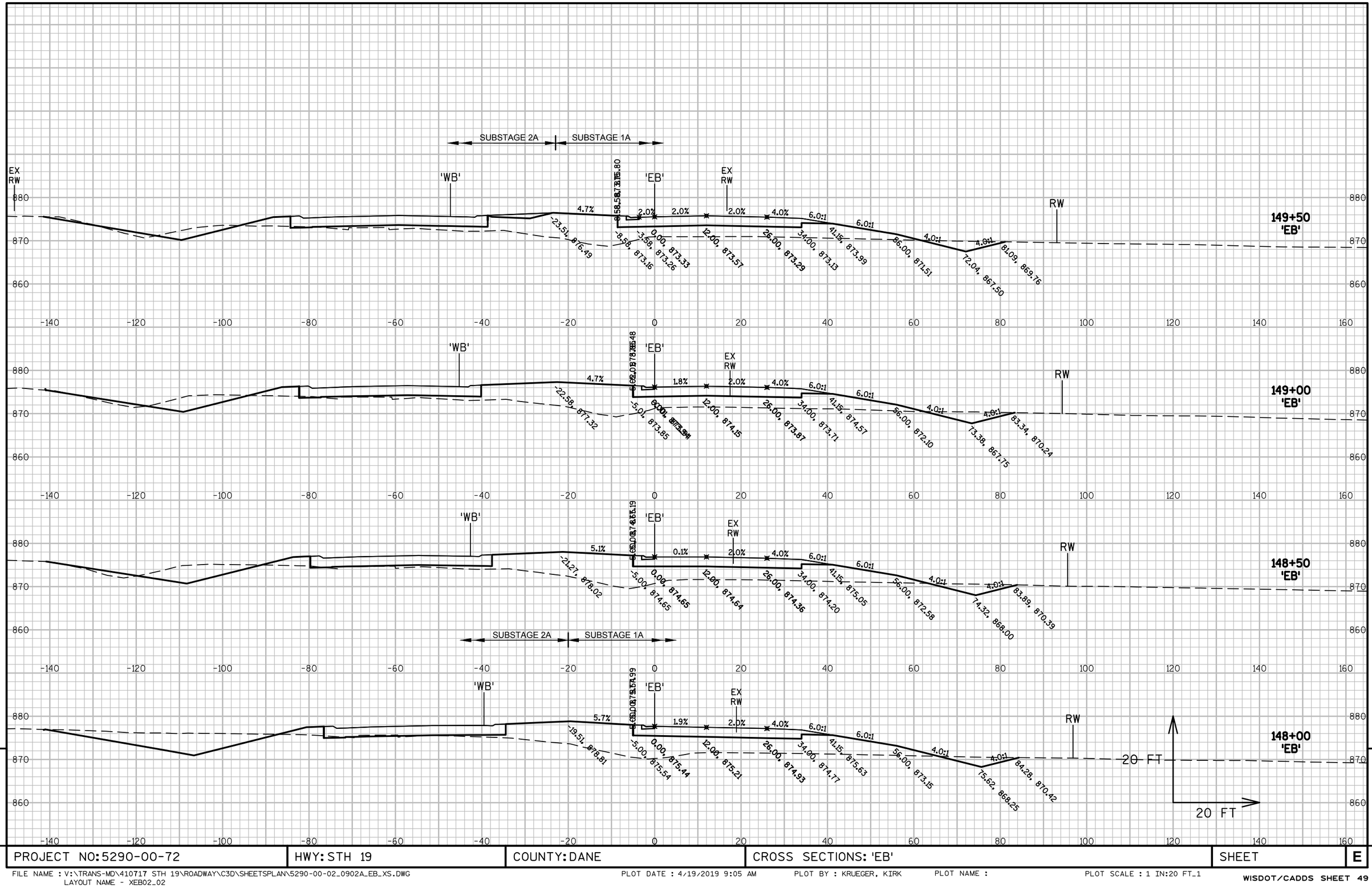
PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: 'EB'	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0902A_EB_XS.DWG
LAYOUT NAME - XEB02_01
PLOT DATE : 4/19/2019 9:05 AM
PLOT BY : KRUEGER, KIRK
PLOT NAME :
PLOT SCALE : 1 IN:20 FT_1



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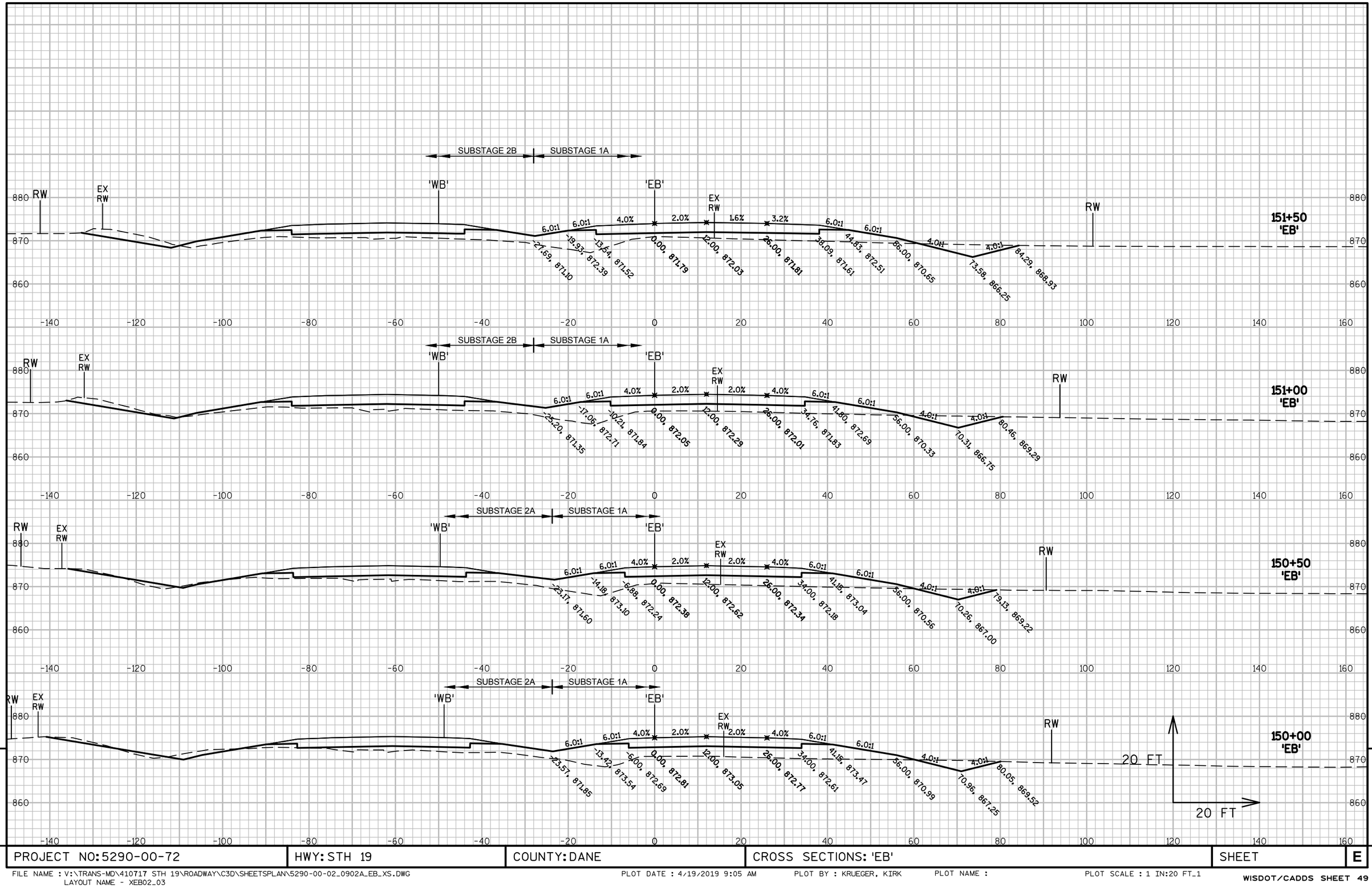
PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: 'EB'	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0902A_EB_XS.DWG
LAYOUT NAME - XEB02_02

PLOT DATE : 4/19/2019 9:05 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:20 FT_1

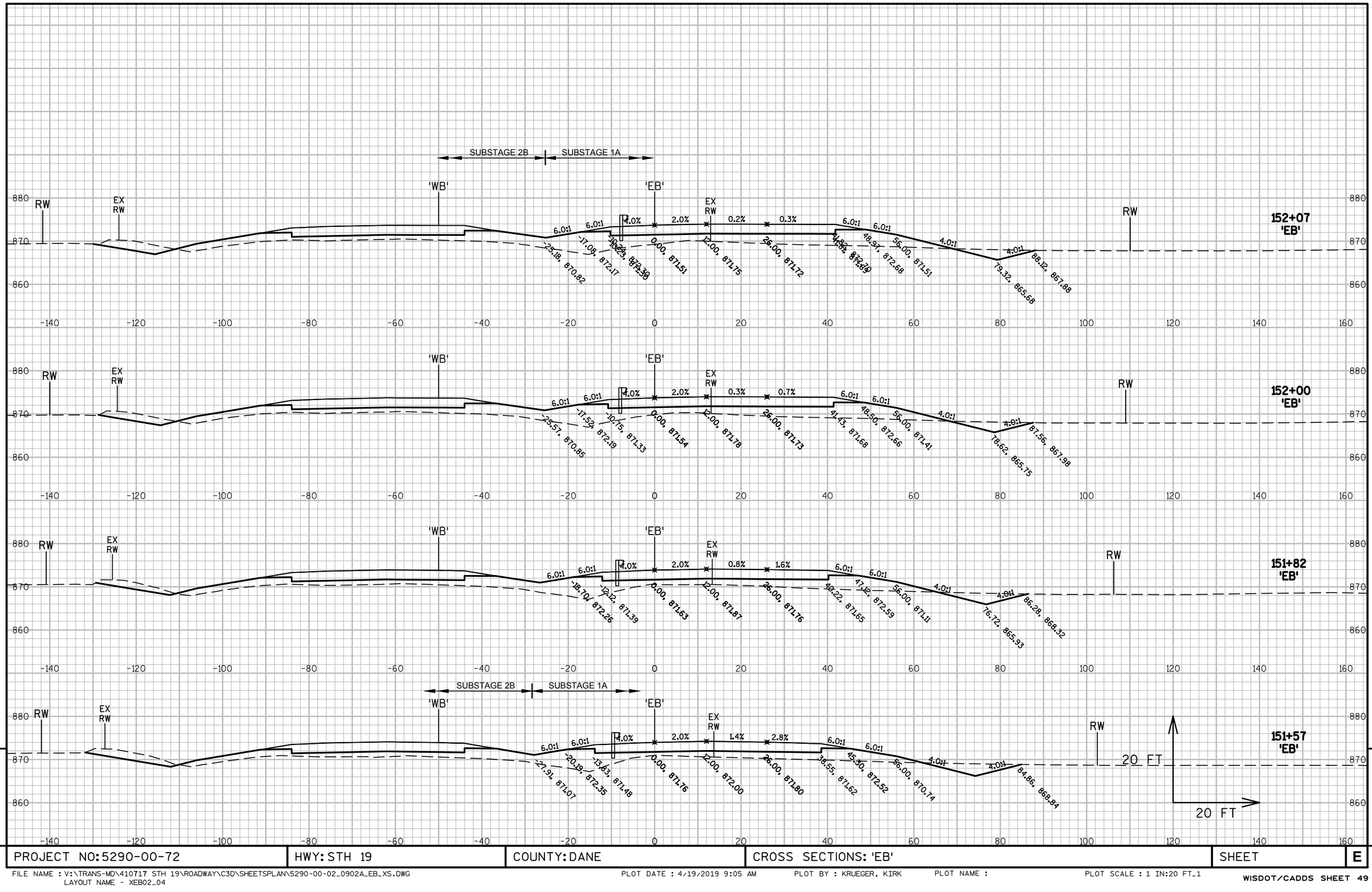


PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: 'EB'	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0902A_EB_XS.DWG
LAYOUT NAME - XEB02_03

PLOT DATE : 4/19/2019 9:05 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:20 FT_1

WISDOT/CADDS SHEET 49



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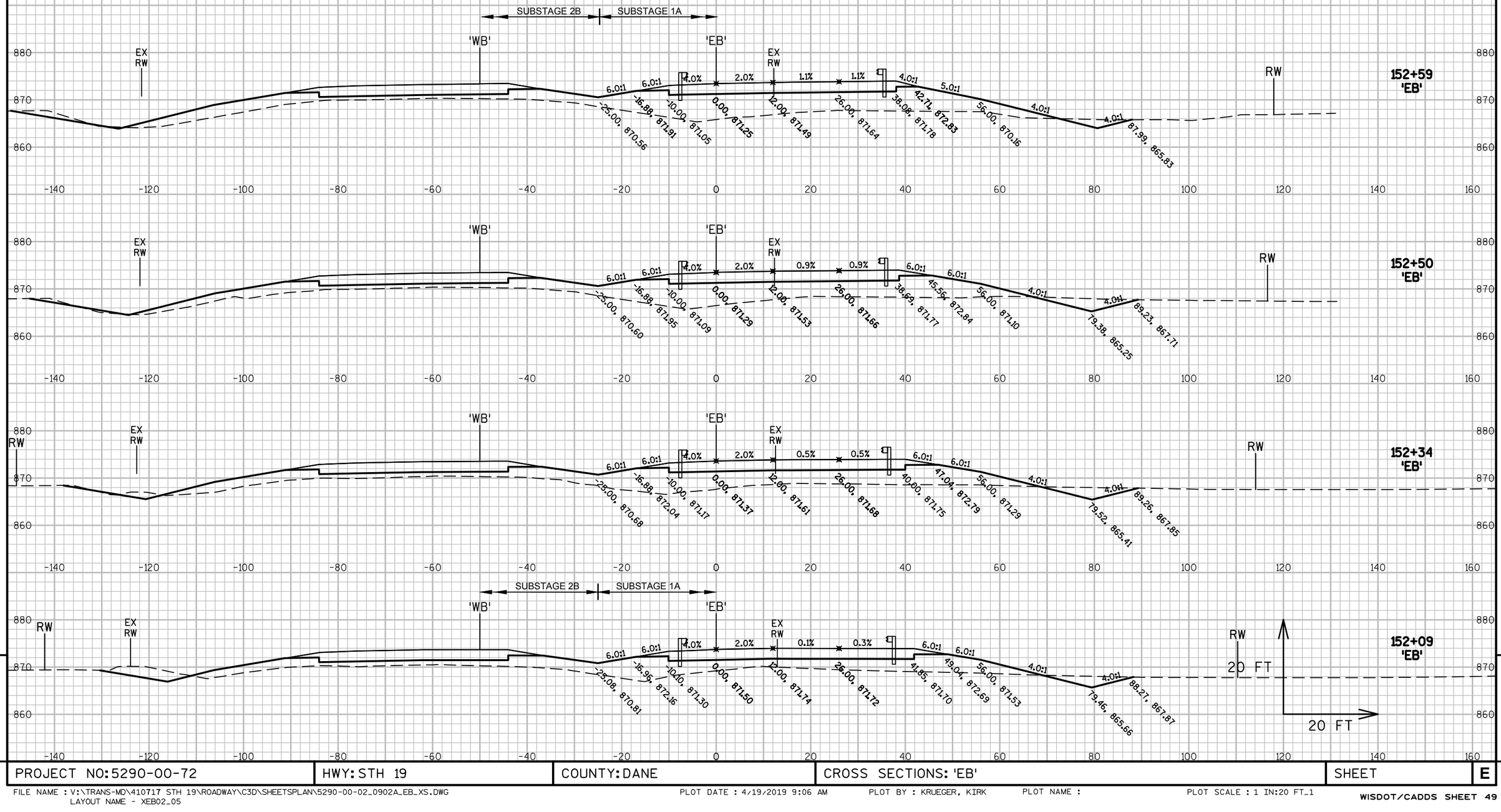
PROJECT NO:5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: 'EB'	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0902A_EB_XS.DWG
LAYOUT NAME - XEB02_04

PLOT DATE : 4/19/2019 9:05 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:20 FT_1



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PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: 'EB'	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0902A_EB_XS.DWG
LAYOUT NAME - XEB02_05

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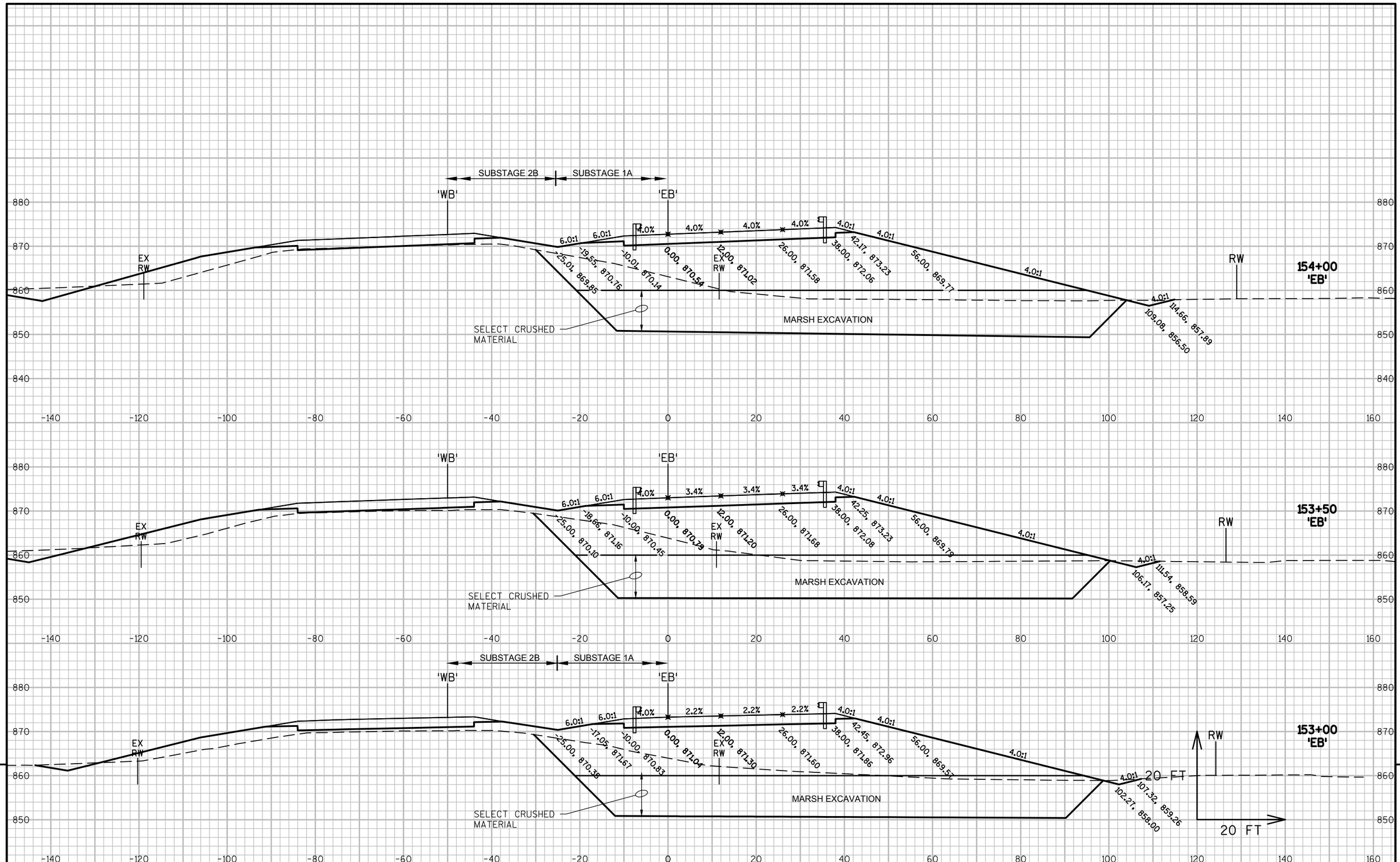

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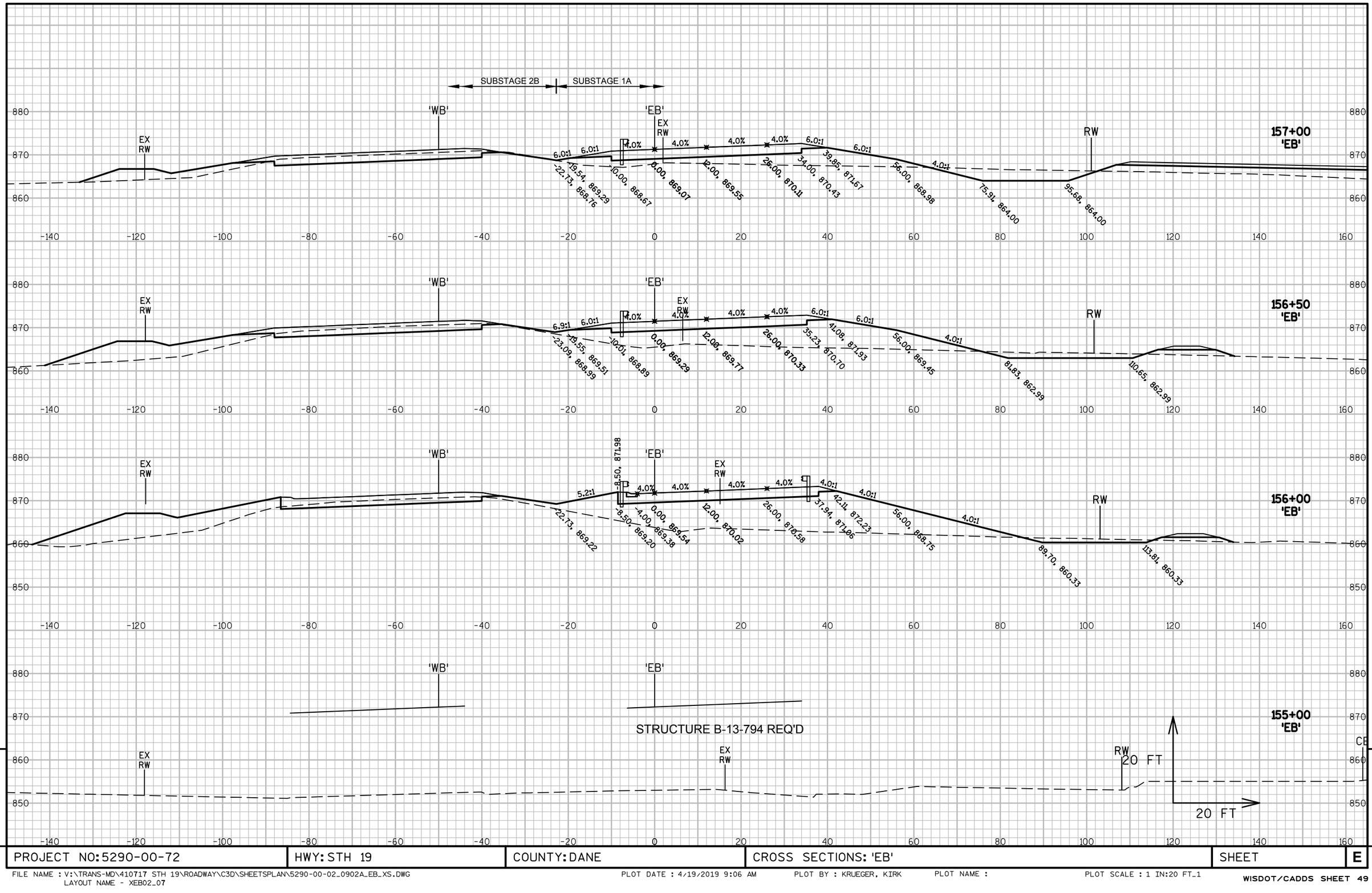
PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: 'EB'	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0902A_EB_XS.DWG
LAYOUT NAME - XEB02_06

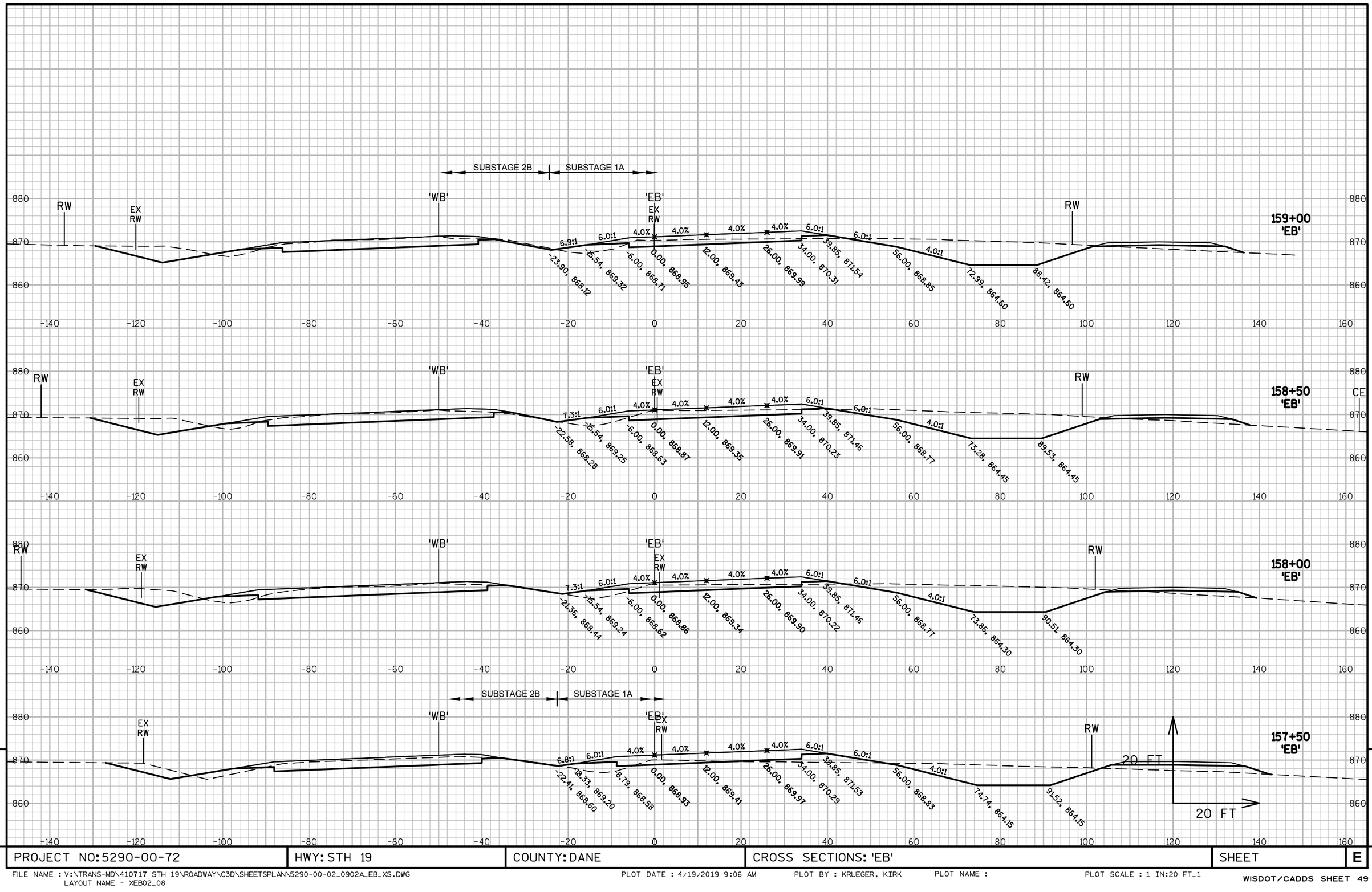
PLOT DATE : 4/19/2019 9:06 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:20 FT_1

WISDOT/CADDS SHEET 49



PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: 'EB'	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0902A_EB_XS.DWG
LAYOUT NAME - XEB02_07
PLOT DATE : 4/19/2019 9:06 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:20 FT_1
WISDOT/CADDS SHEET 49



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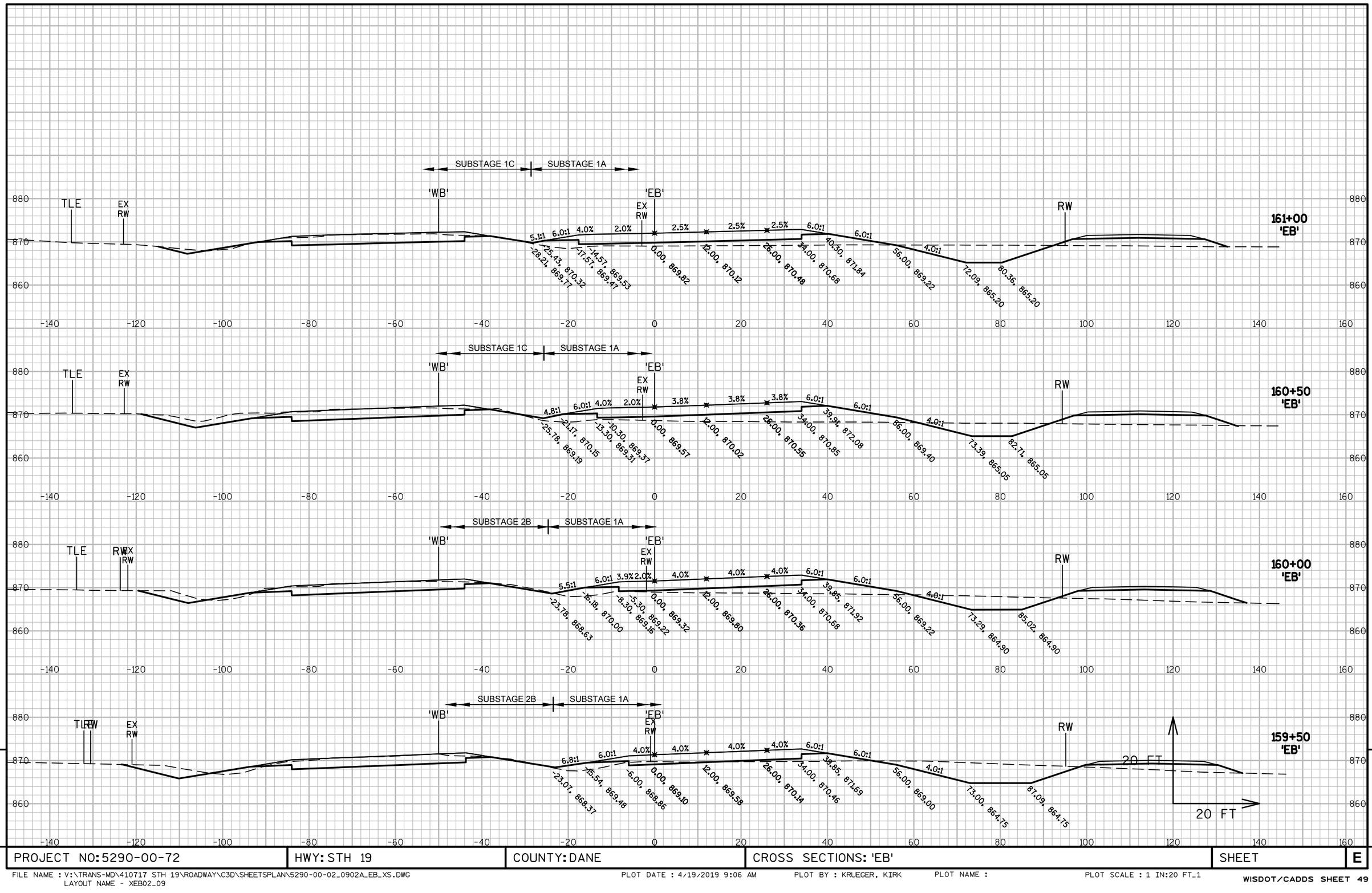
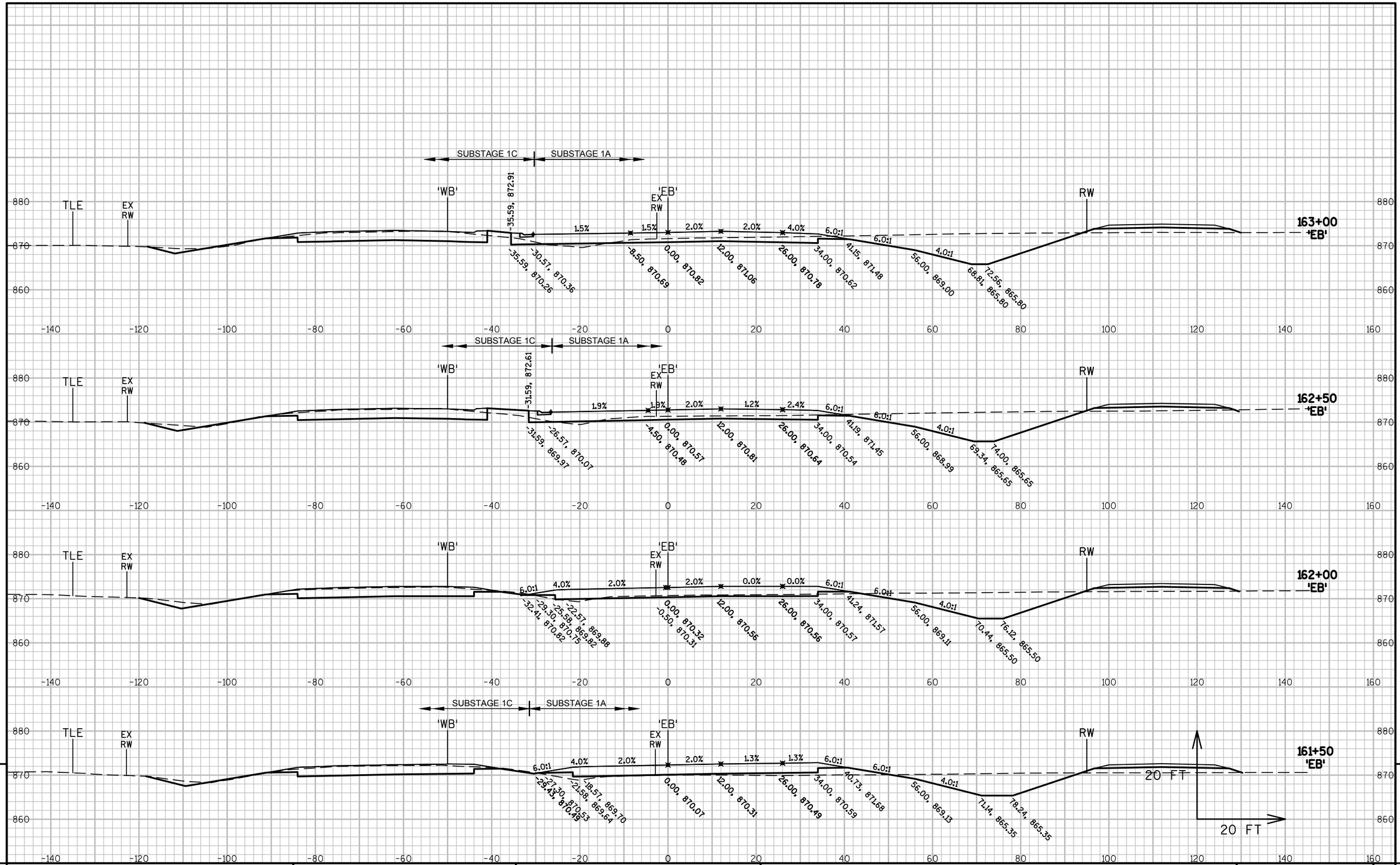
PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: 'EB'	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0902A_EB_XS.DWG
LAYOUT NAME - XEB02_08
PLOT DATE : 4/19/2019 9:06 AM
PLOT BY : KRUEGER, KIRK
PLOT NAME :
PLOT SCALE : 1 IN:20 FT_1



PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: 'EB'	SHEET	E



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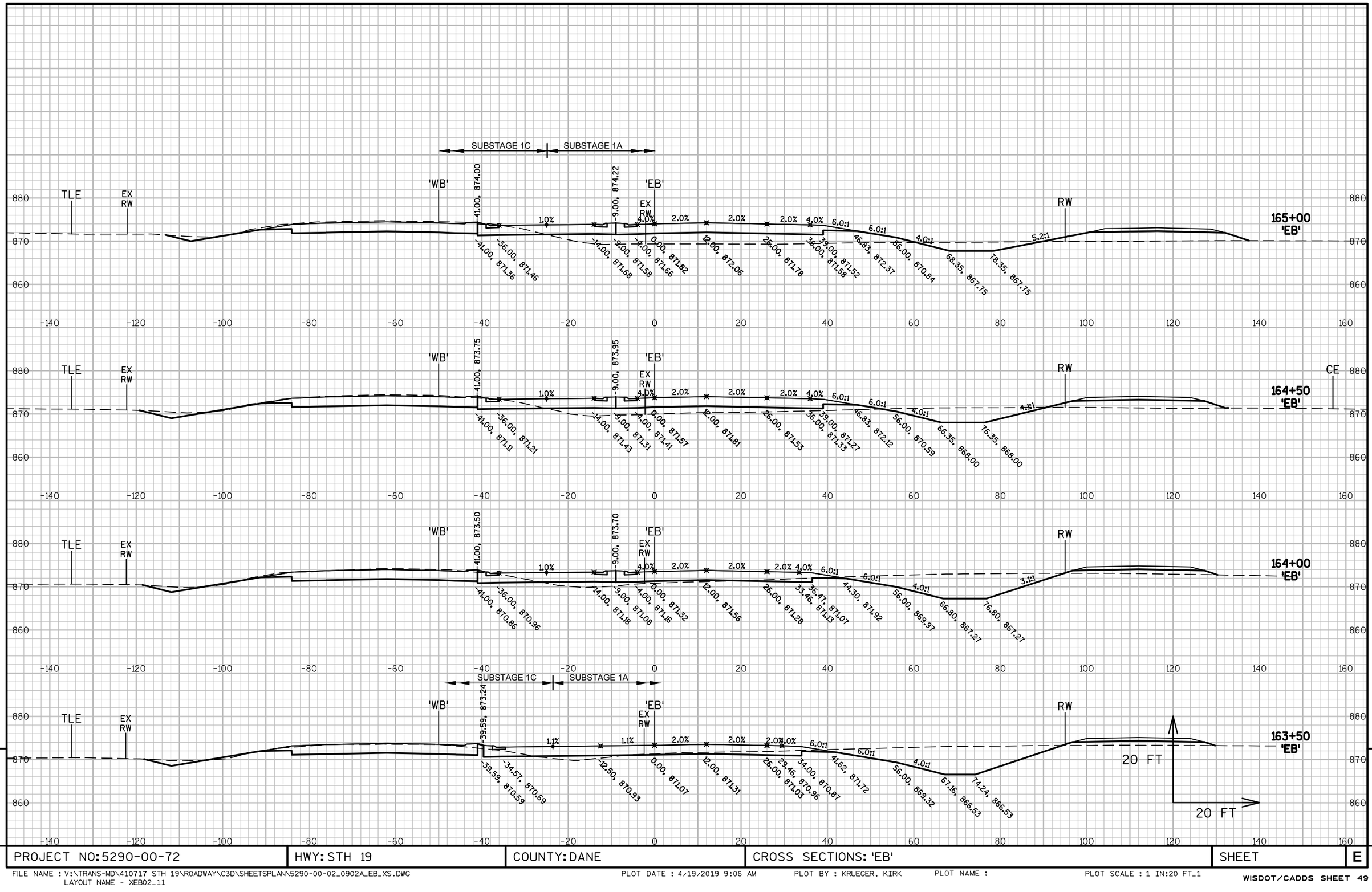
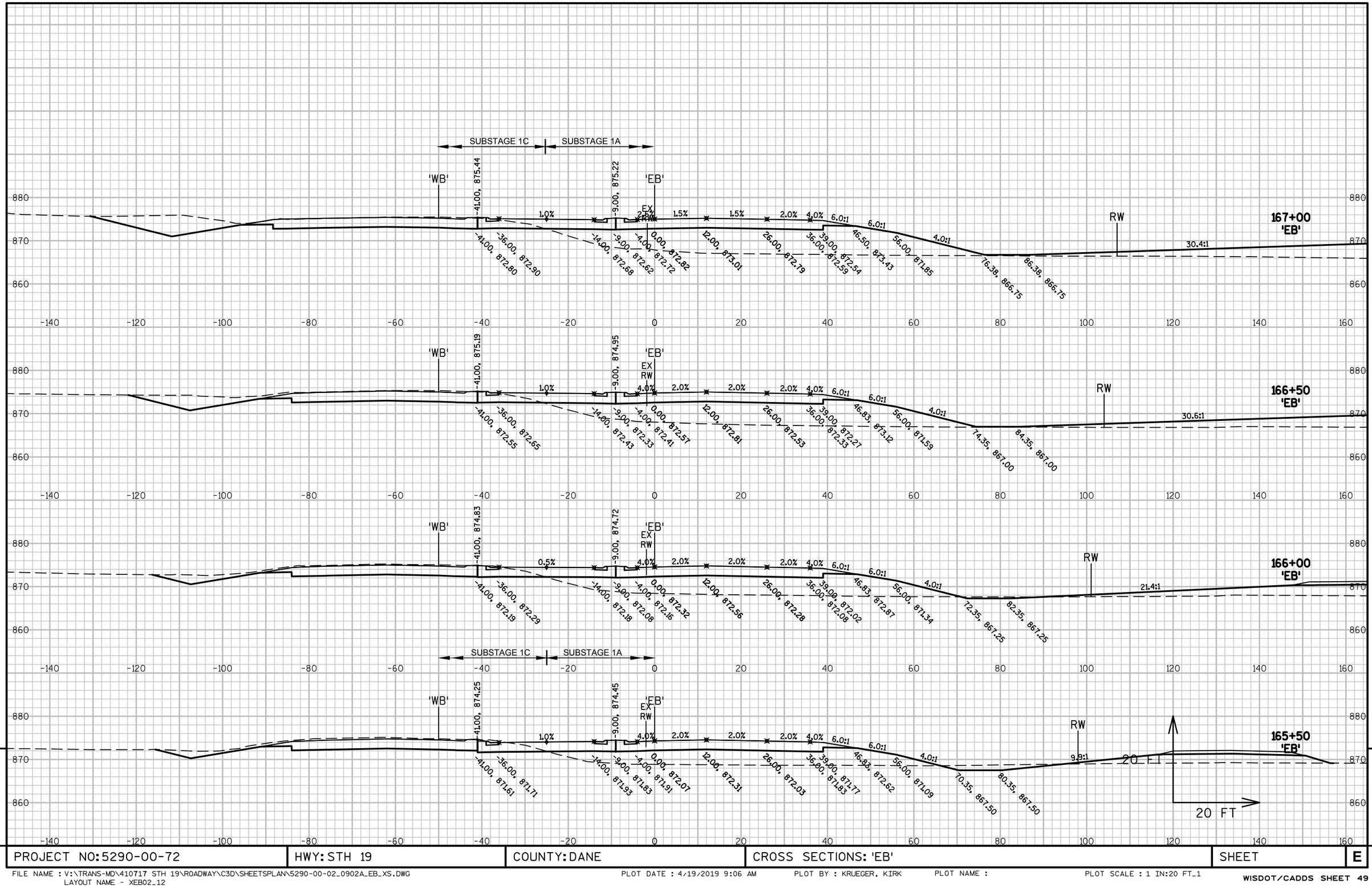
PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: 'EB'	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0902A_EB_XS.DWG
LAYOUT NAME - XEB02_10
PLOT DATE : 4/19/2019 9:06 AM
PLOT BY : KRUEGER, KIRK
PLOT NAME :
PLOT SCALE : 1 IN:20 FT_1



PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: 'EB'	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0902A_EB_XS.DWG
LAYOUT NAME - XEB02_11
PLOT DATE : 4/19/2019 9:06 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:20 FT_1



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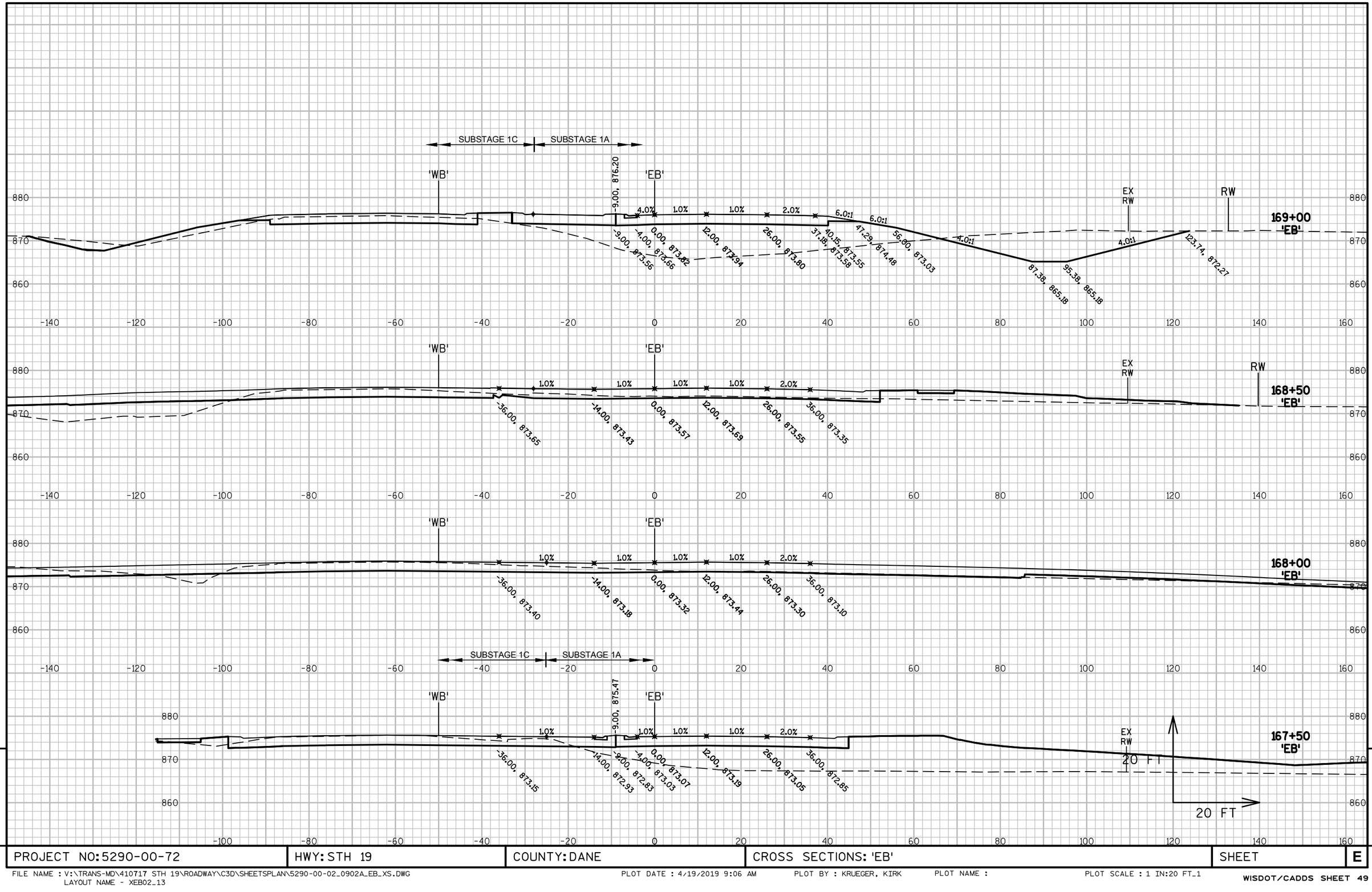
PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: 'EB'	SHEET	E

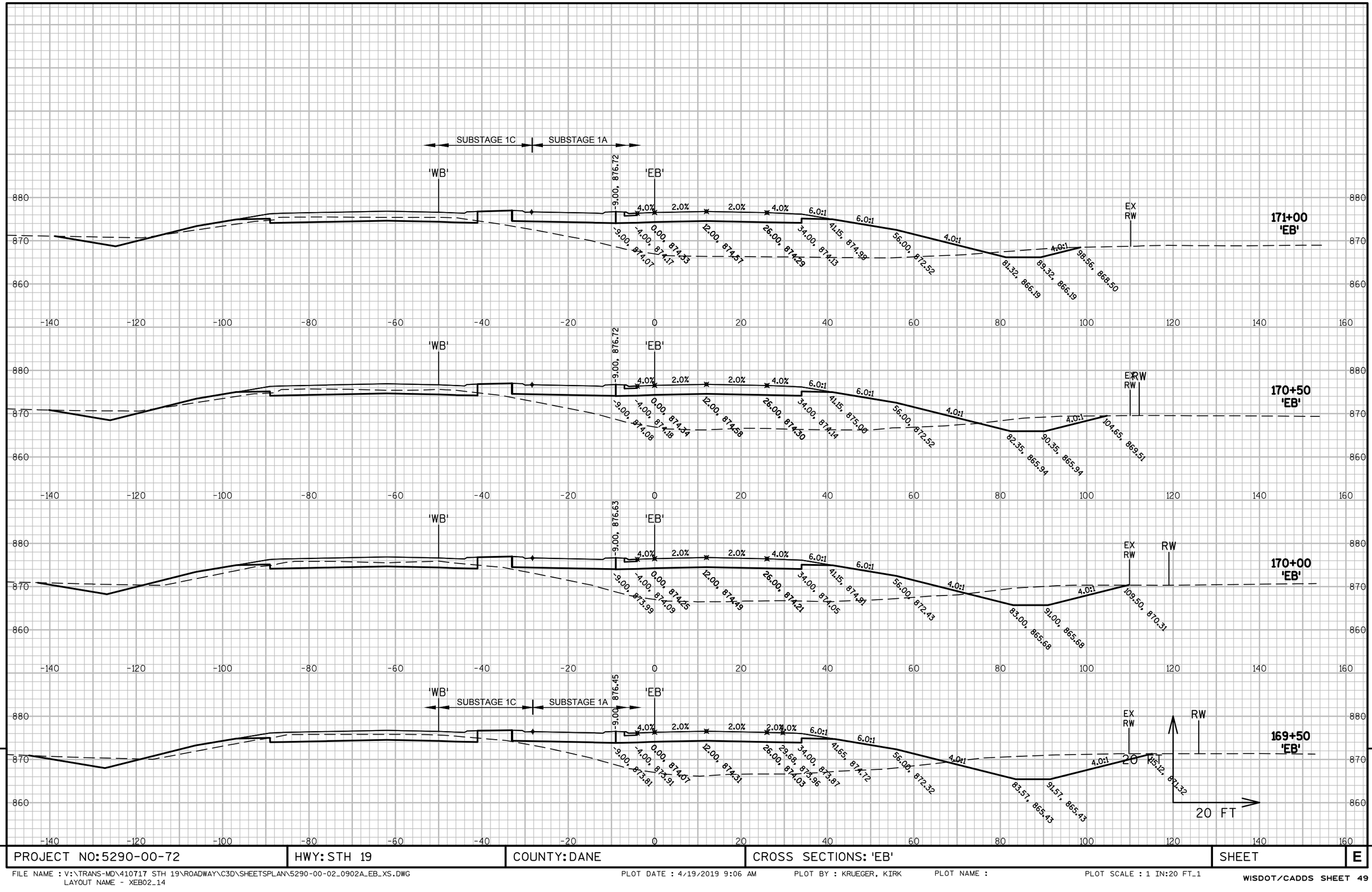
FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0902A_EB_XS.DWG
LAYOUT NAME - XEB02_12
PLOT DATE : 4/19/2019 9:06 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:20 FT_1



PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: 'EB'	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0902A_EB_XS.DWG
LAYOUT NAME - XEB02_13

PLOT DATE : 4/19/2019 9:06 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:20 FT_1



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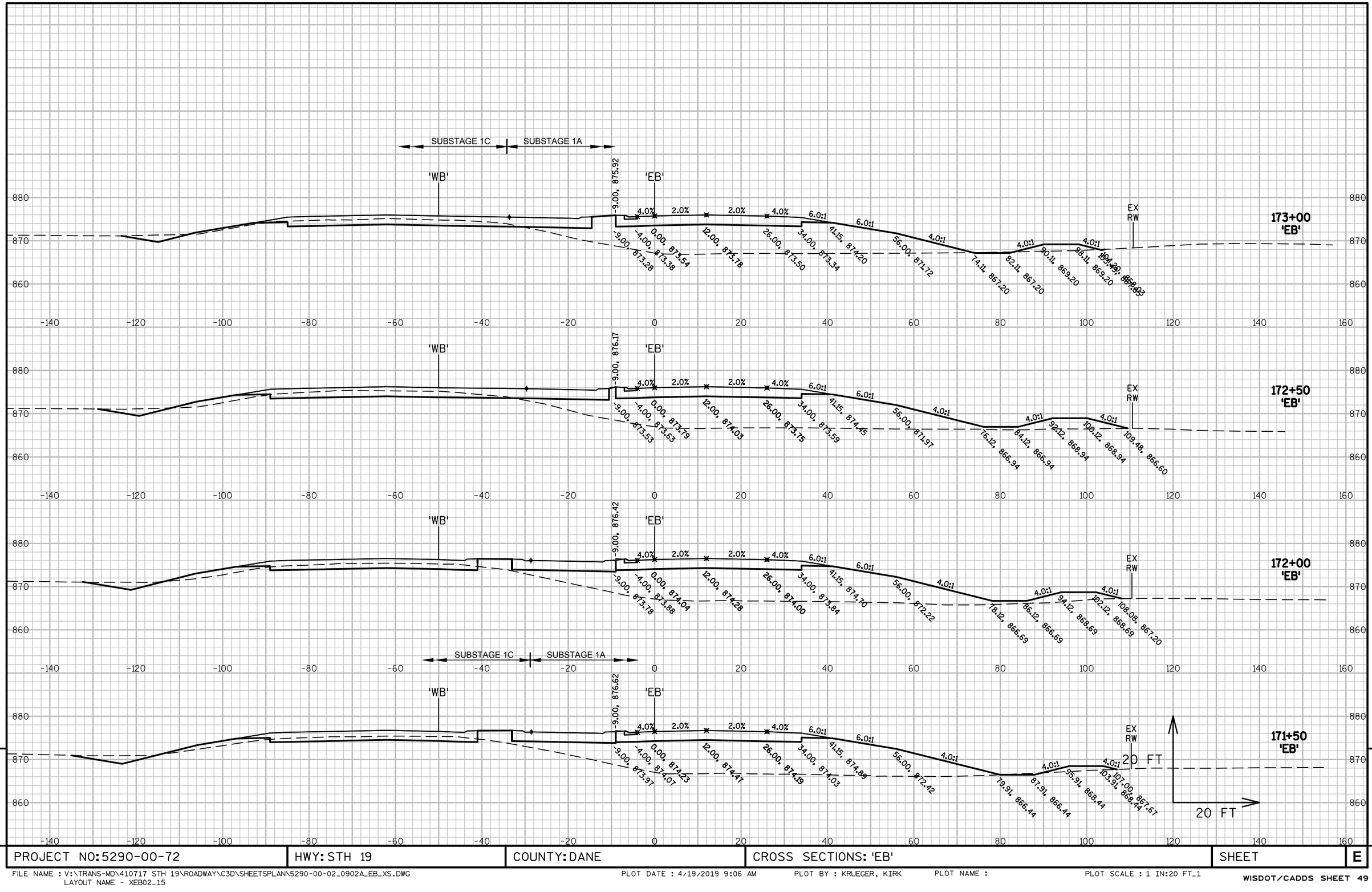
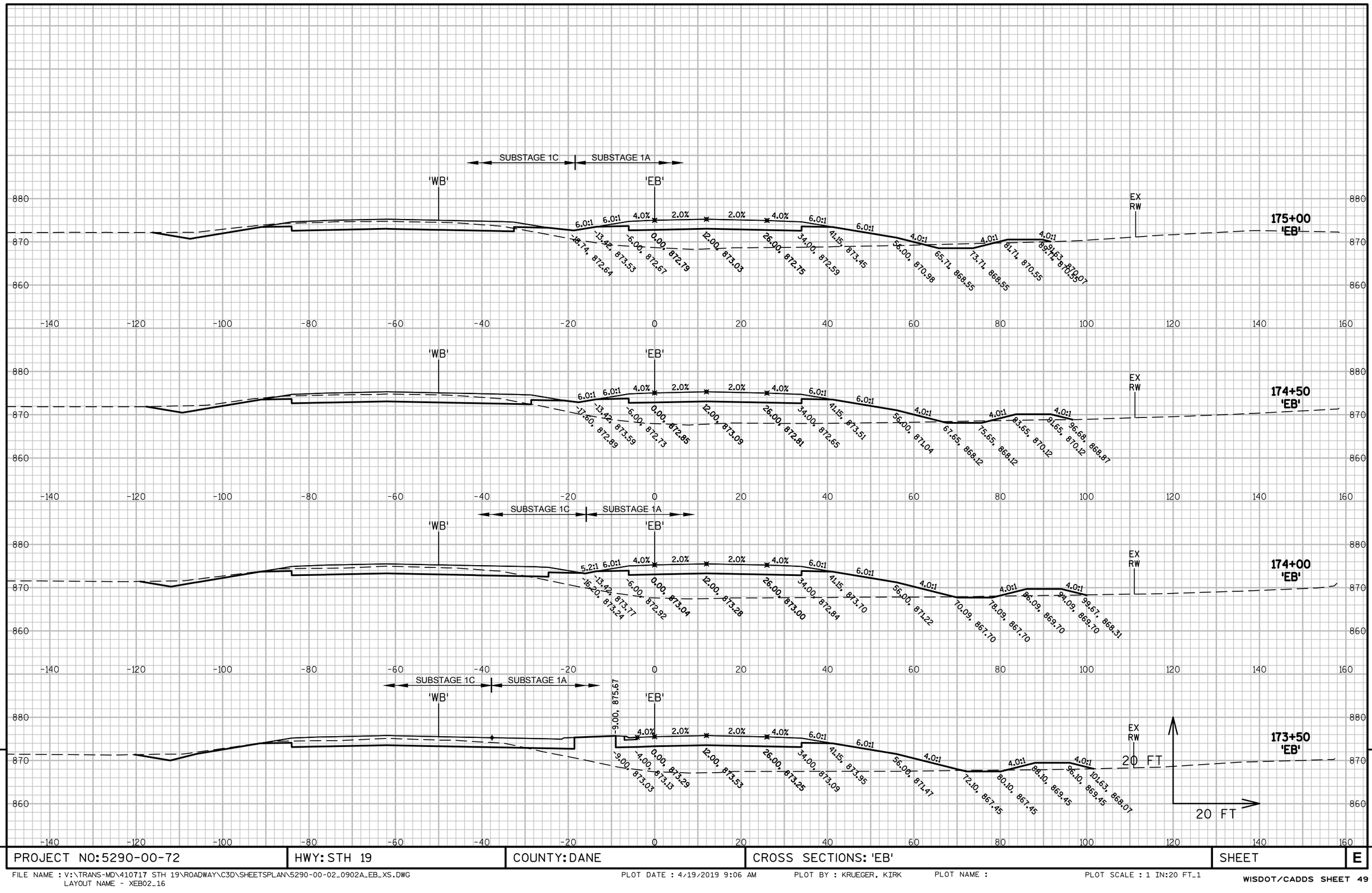
PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: 'EB'	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0902A_EB_XS.DWG
LAYOUT NAME - XEB02_14
PLOT DATE : 4/19/2019 9:06 AM
PLOT BY : KRUEGER, KIRK
PLOT NAME :
PLOT SCALE : 1 IN:20 FT_1



PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: 'EB'	SHEET	E



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PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: 'EB'	SHEET	E

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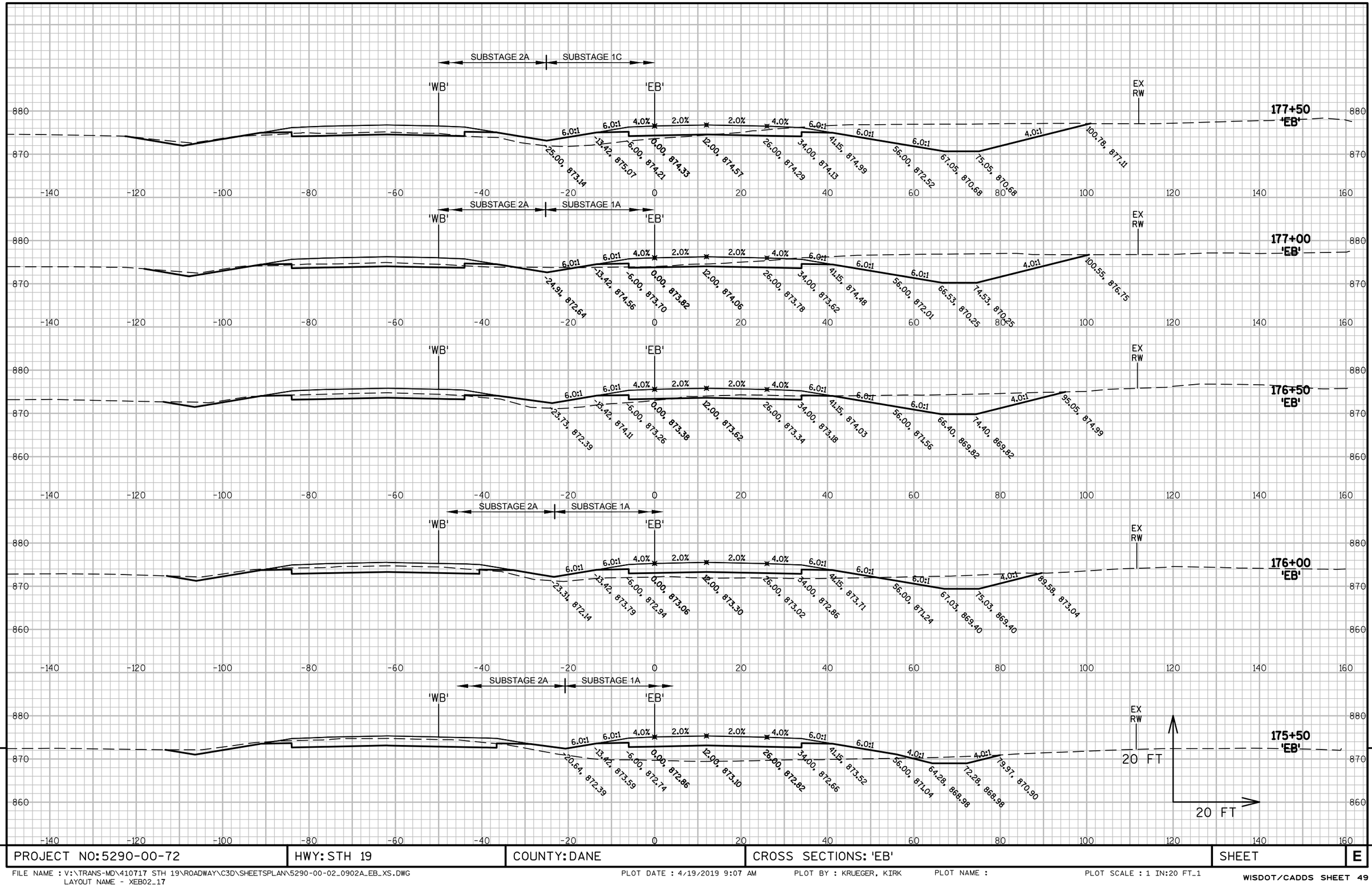
FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0902A_EB_XS.DWG
LAYOUT NAME - XEB02_16
PLOT DATE : 4/19/2019 9:06 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:20 FT_1



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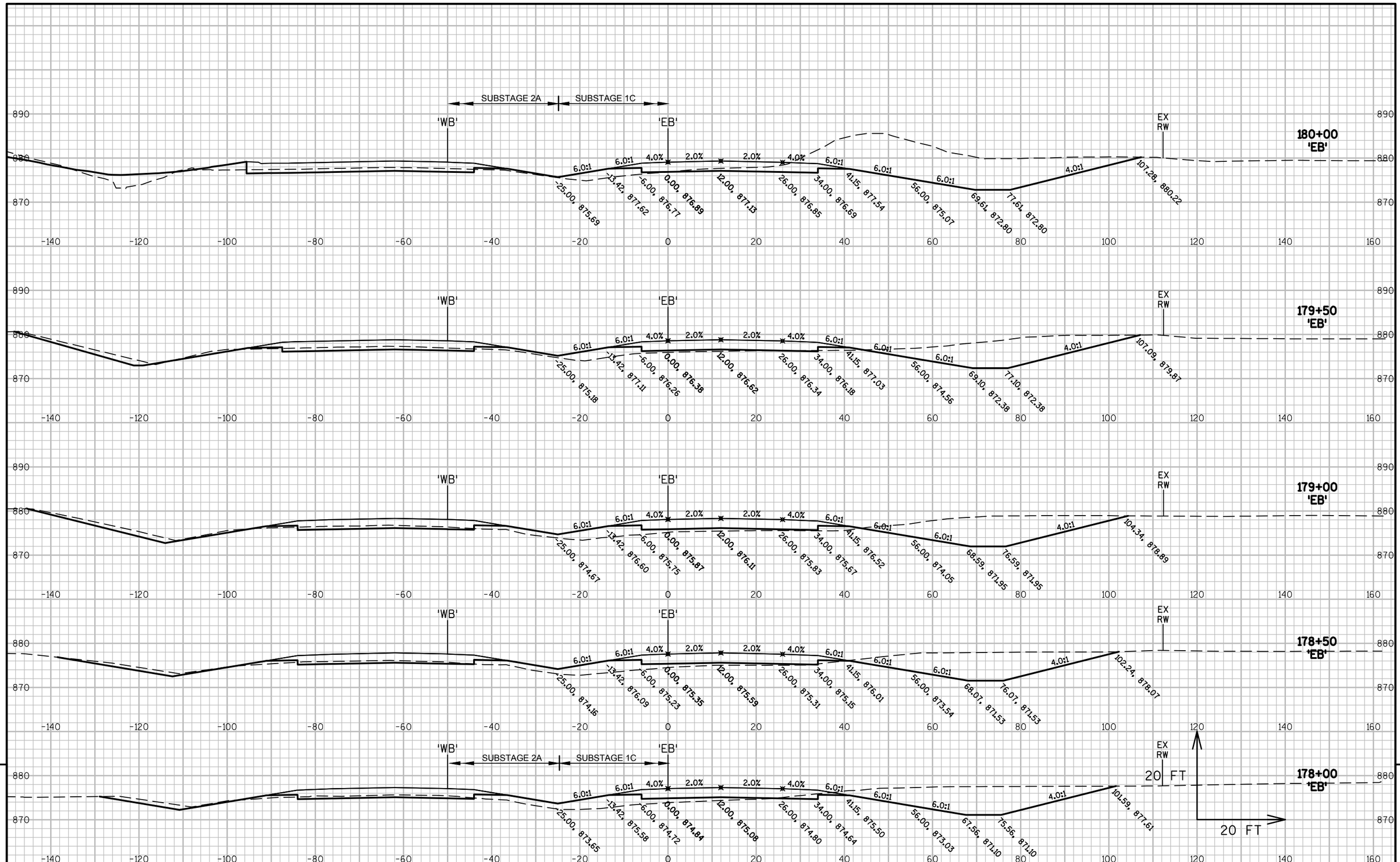
PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: 'EB'	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0902A_EB_XS.DWG
LAYOUT NAME - XEB02_17
PLOT DATE : 4/19/2019 9:07 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:20 FT_1



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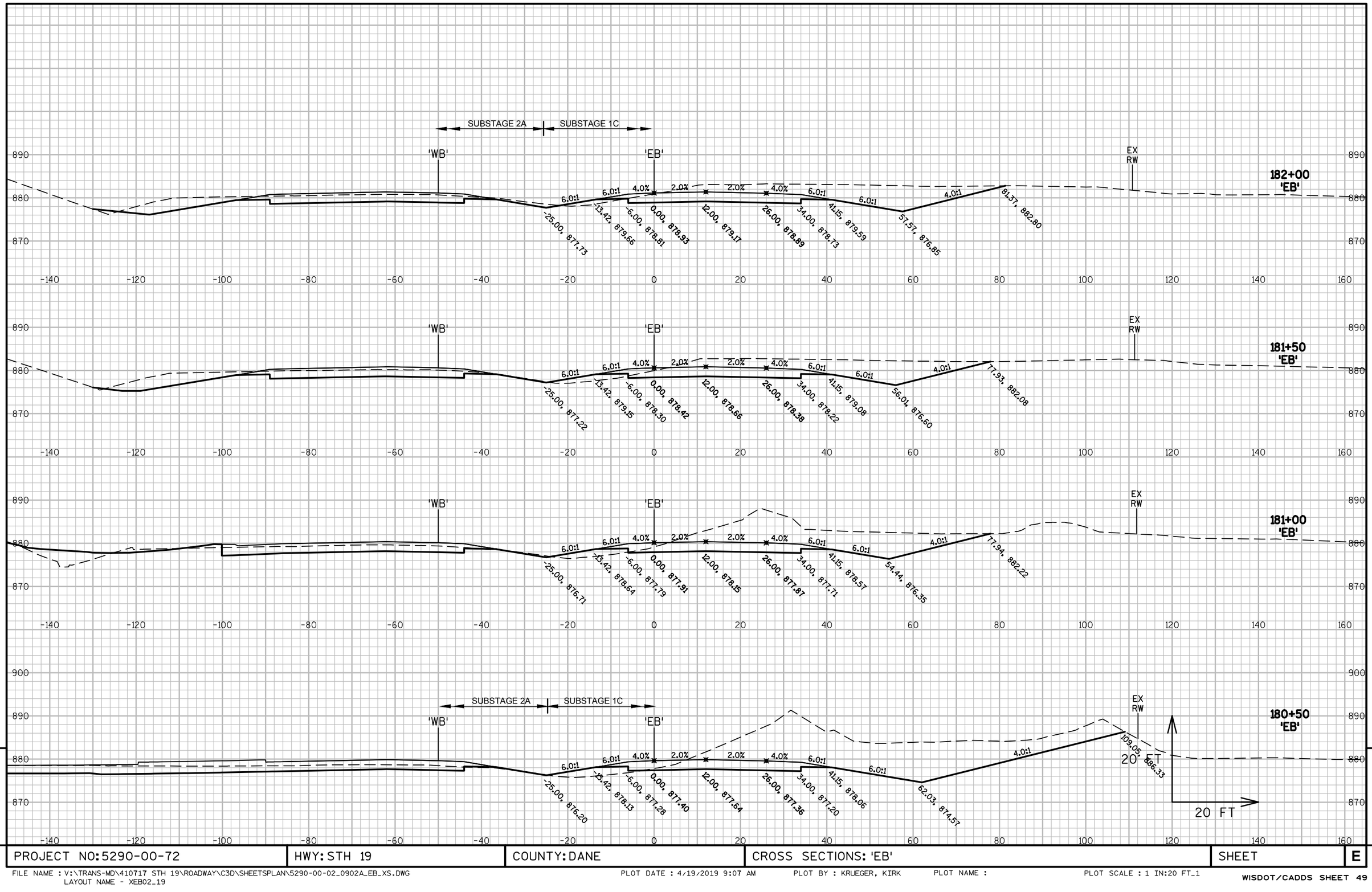
PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: 'EB'	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0902A_EB_XS.DWG
LAYOUT NAME - XEB02_18

PLOT DATE : 4/19/2019 9:07 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:20 FT_1



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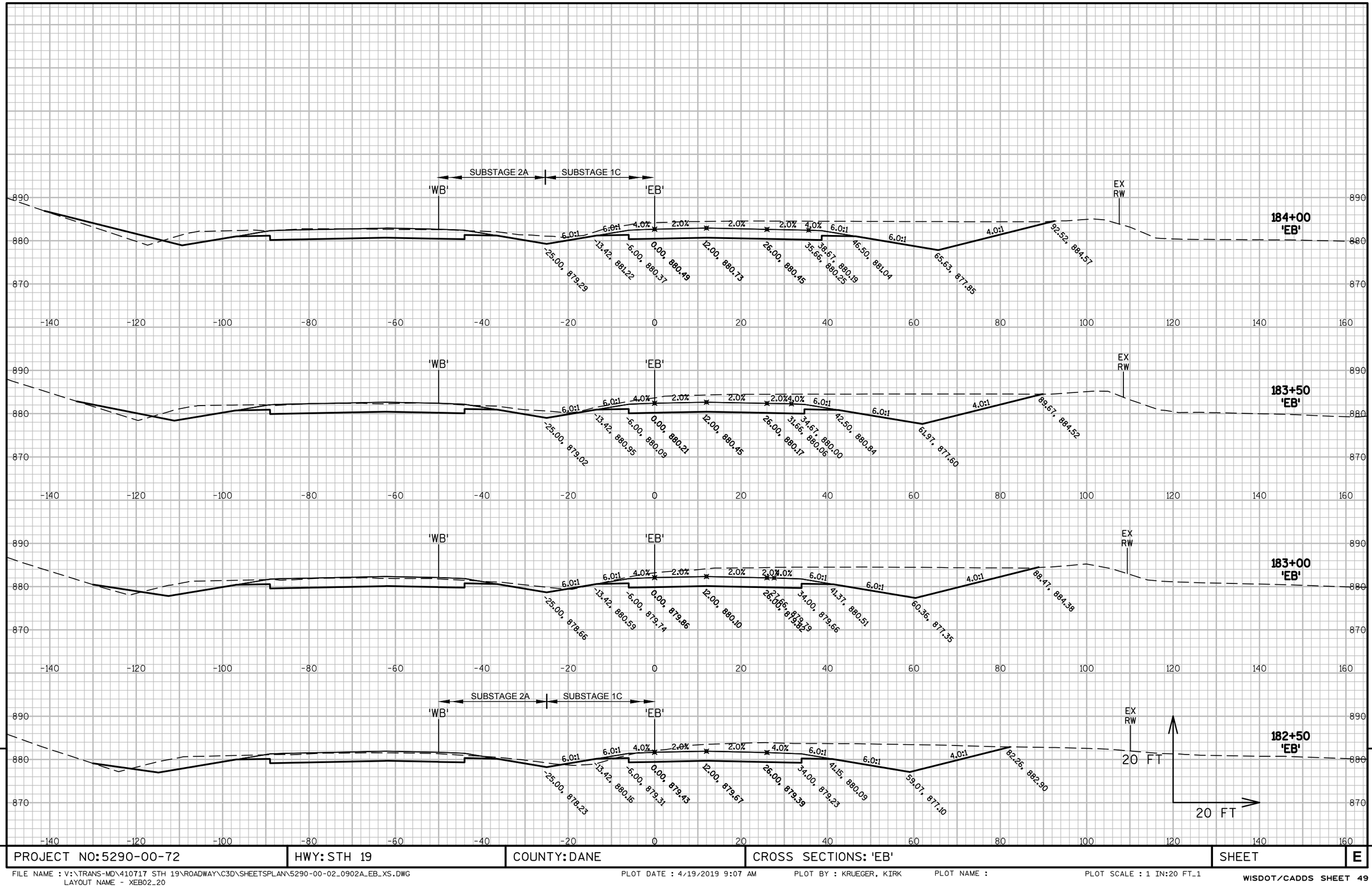
PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: 'EB'	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0902A_EB_XS.DWG
LAYOUT NAME - XEB02_19

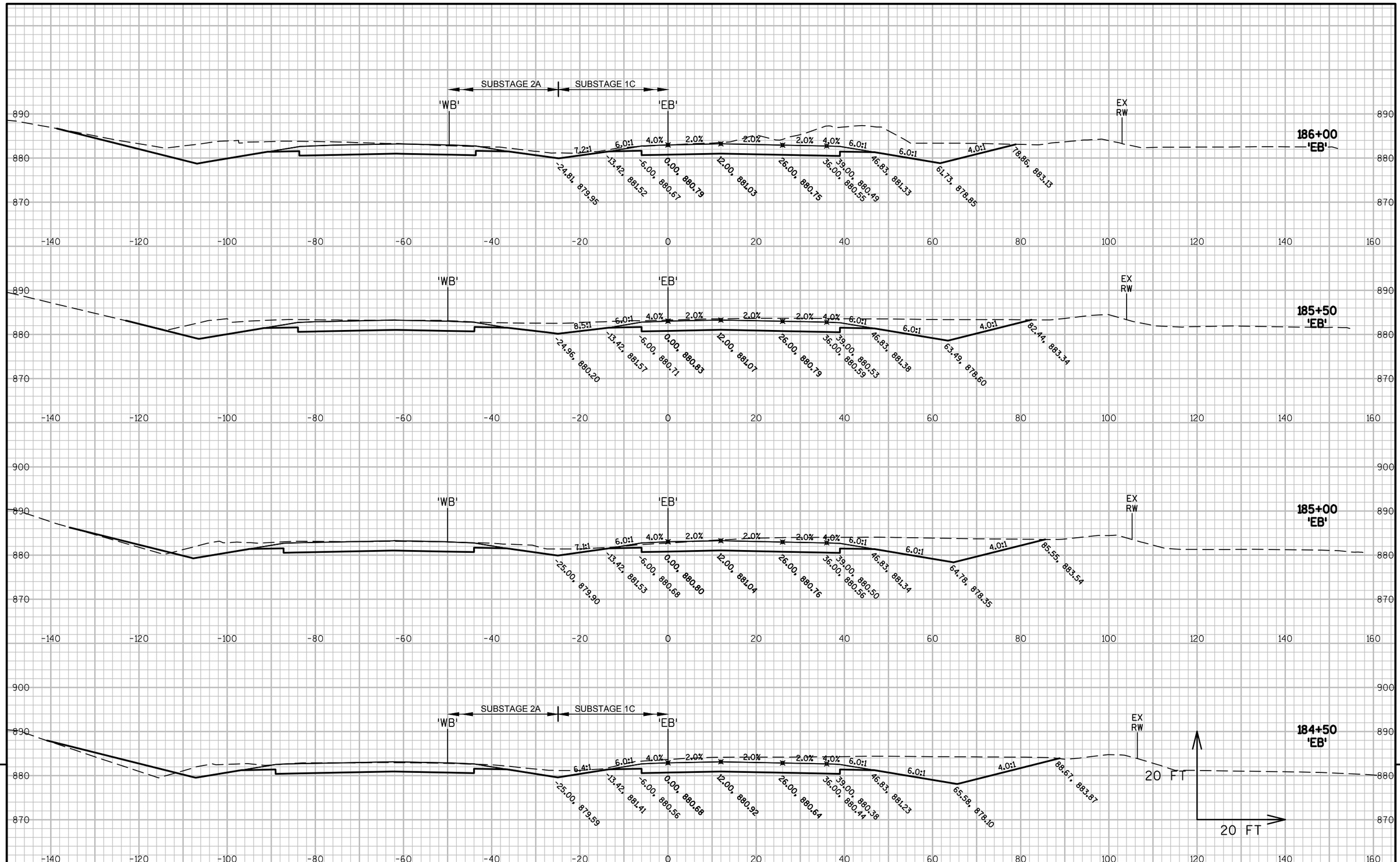
PLOT DATE : 4/19/2019 9:07 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:20 FT_1

WISDOT/CADDS SHEET 49



PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: 'EB'	SHEET	E

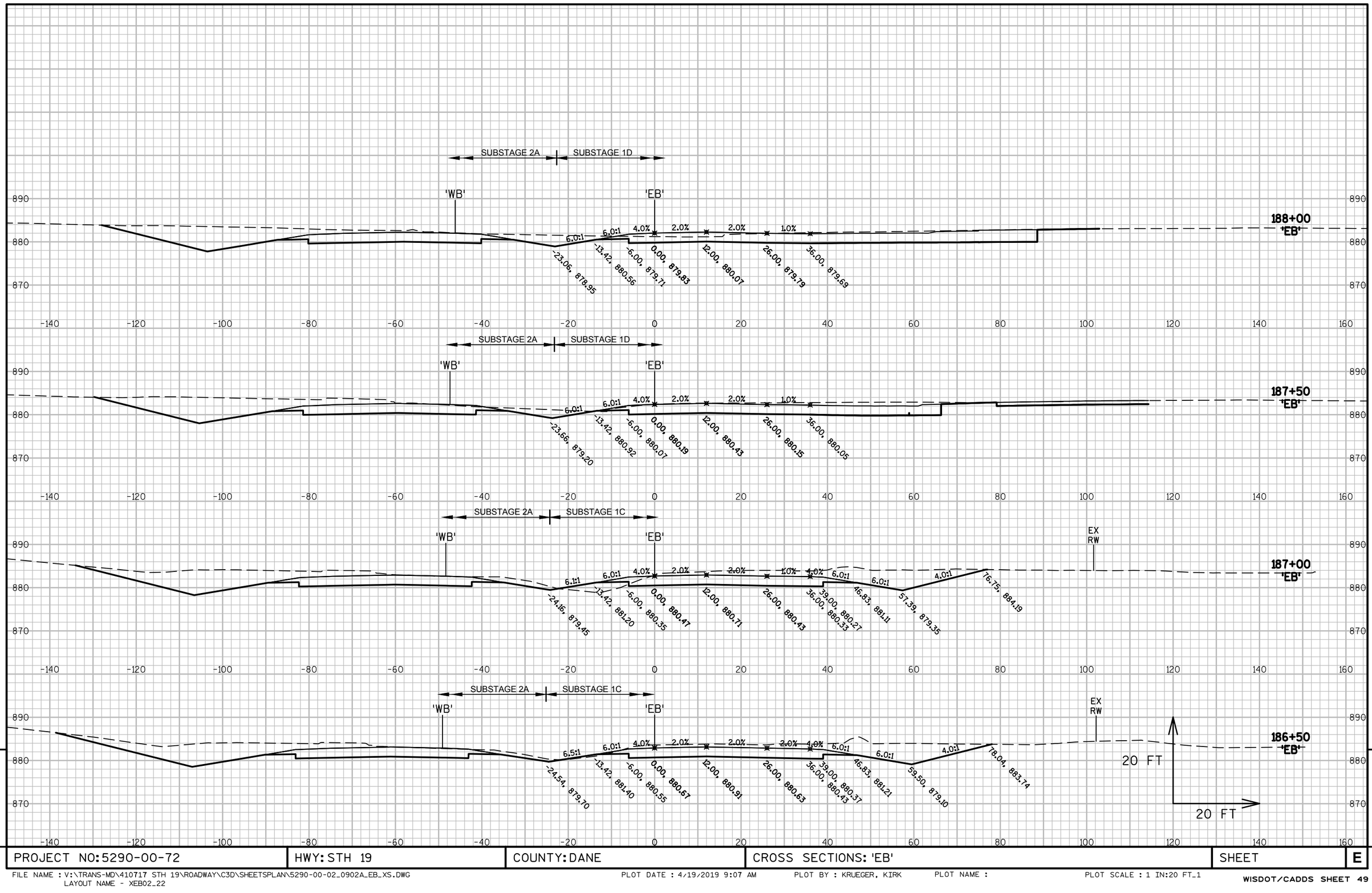
FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0902A_EB_XS.DWG
LAYOUT NAME - XEB02_20
PLOT DATE : 4/19/2019 9:07 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:20 FT_1
WISDOT/CADDS SHEET 49



PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: 'EB'	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0902A_EB_XS.DWG
LAYOUT NAME - XEB02_21

PLOT DATE : 4/19/2019 9:07 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:20 FT_1



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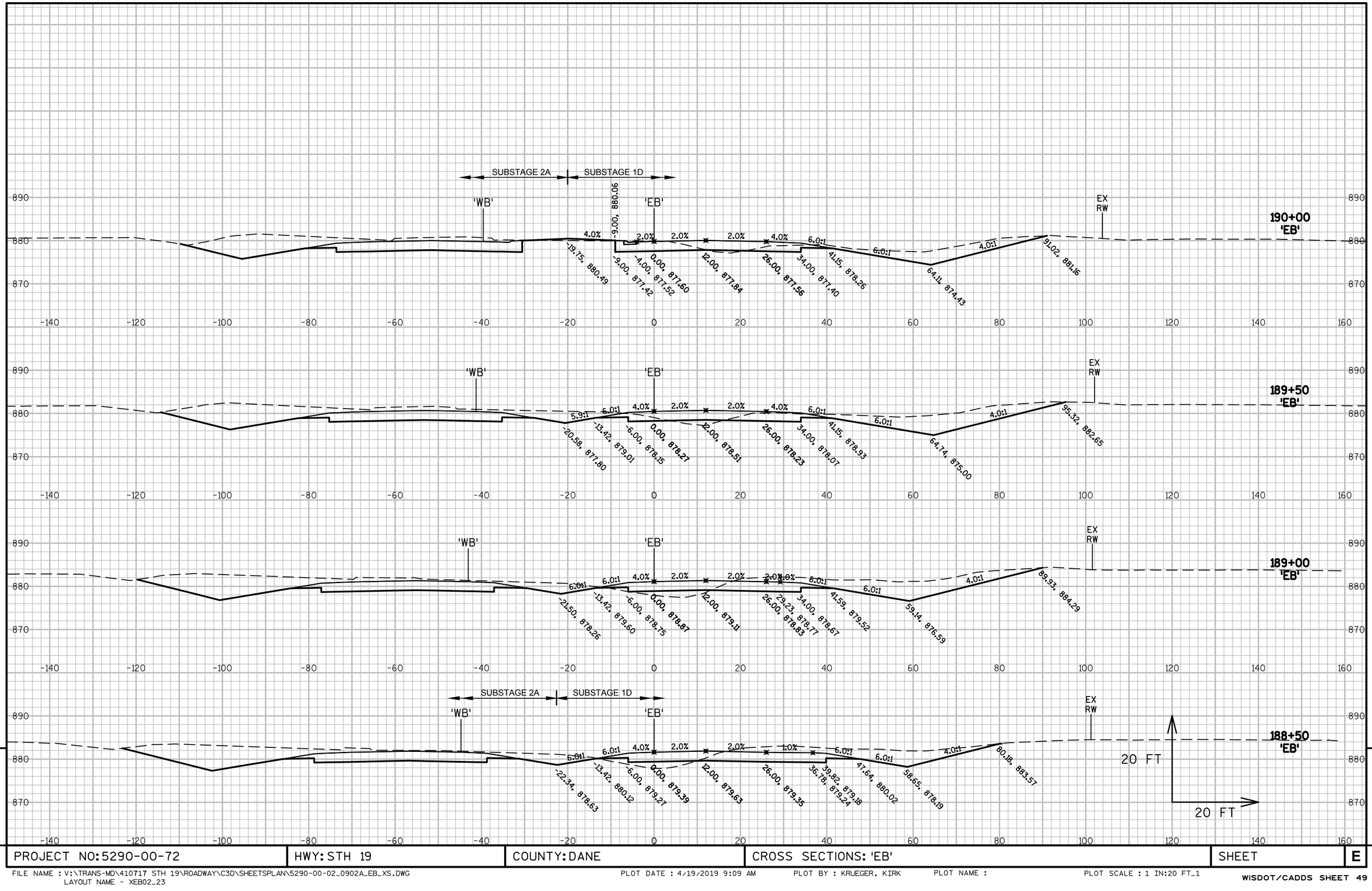
PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: 'EB'	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0902A_EB_XS.DWG
LAYOUT NAME - XEB02_22

PLOT DATE : 4/19/2019 9:07 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:20 FT_1



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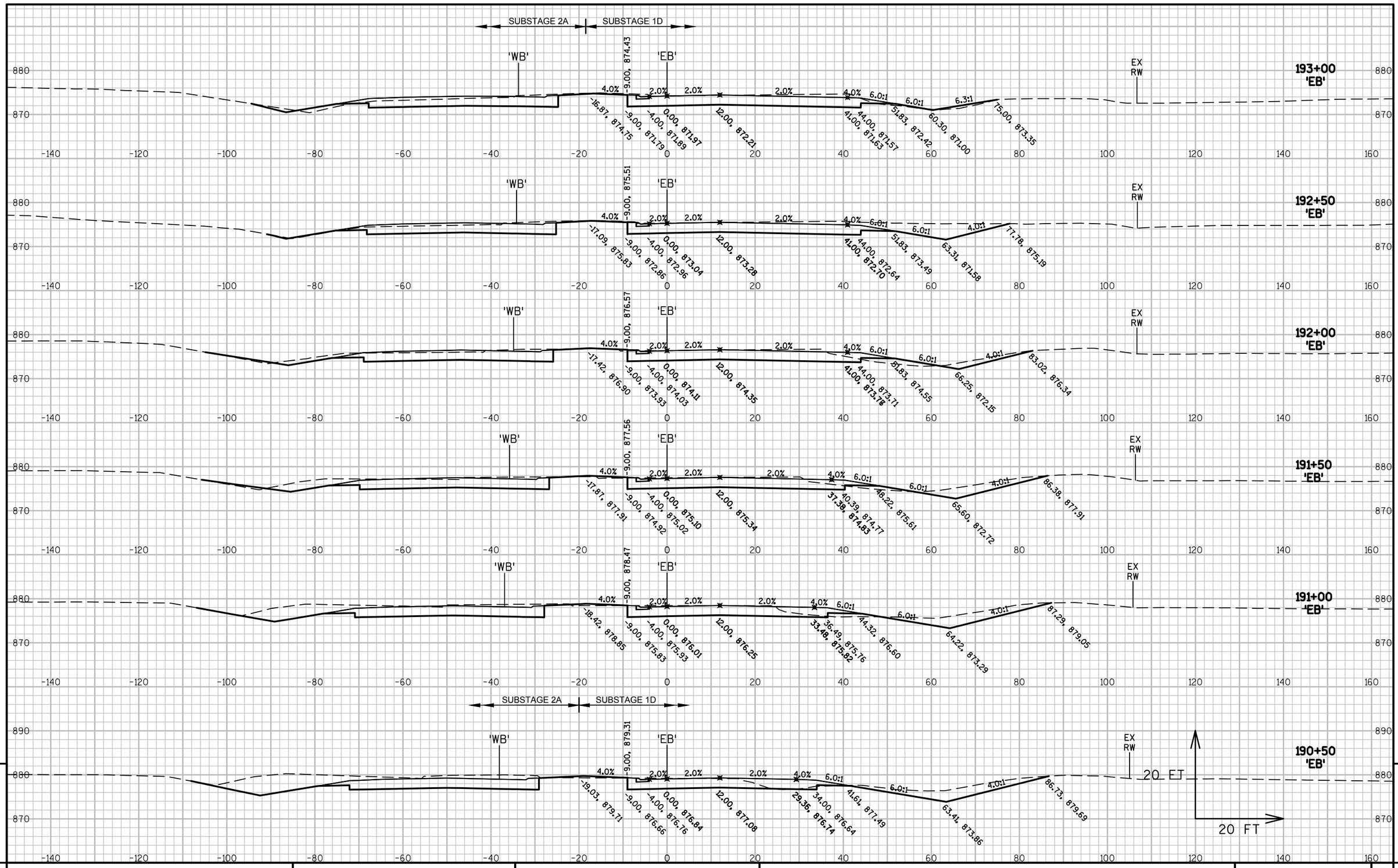
PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: 'EB'	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0902A_EB_XS.DWG
LAYOUT NAME - XEB02_23

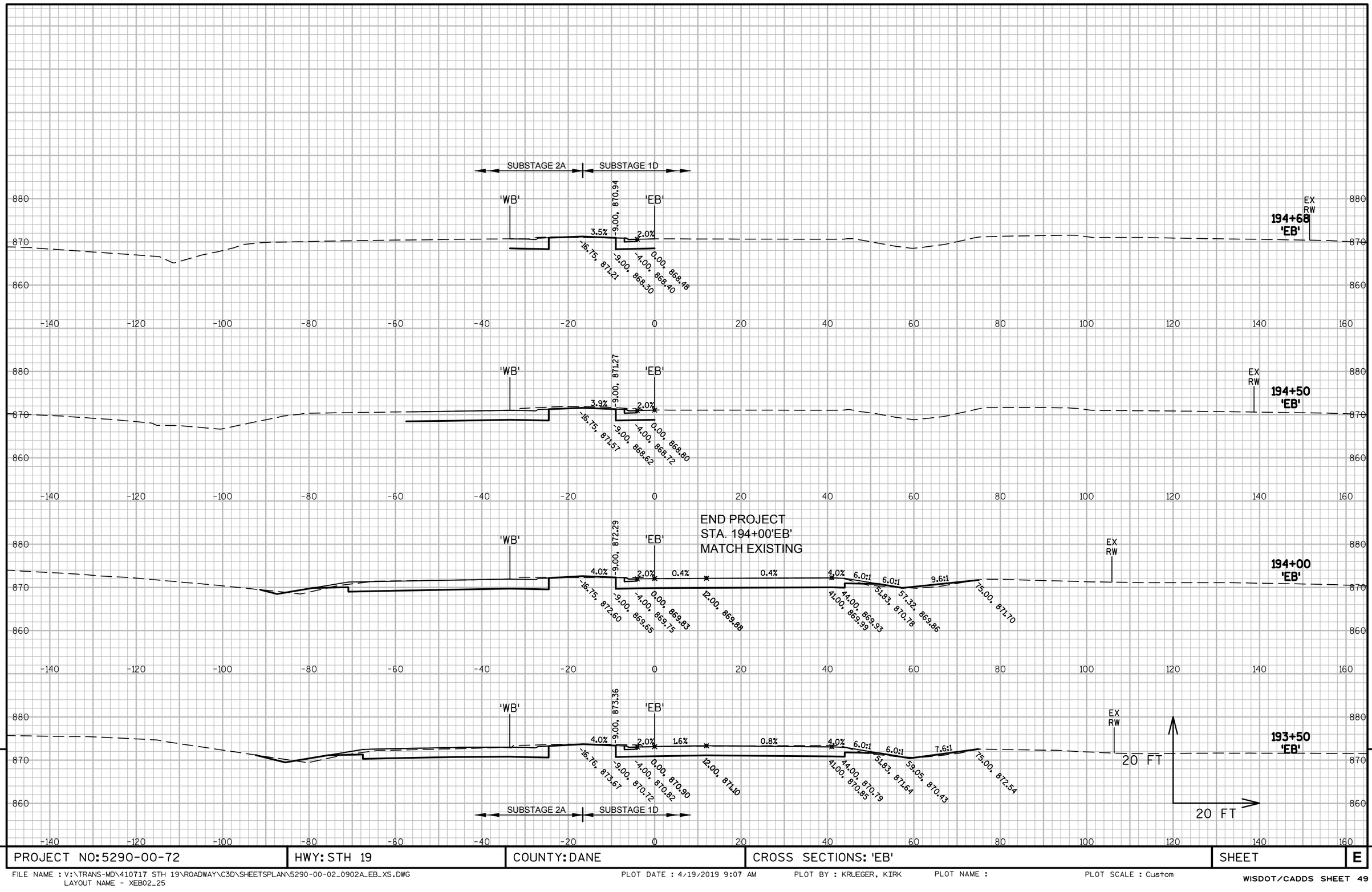
PLOT DATE : 4/19/2019 9:09 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:20 FT_1



PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: 'EB'	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0902A_EB_XS.DWG
LAYOUT NAME - 24 - XEB02_24

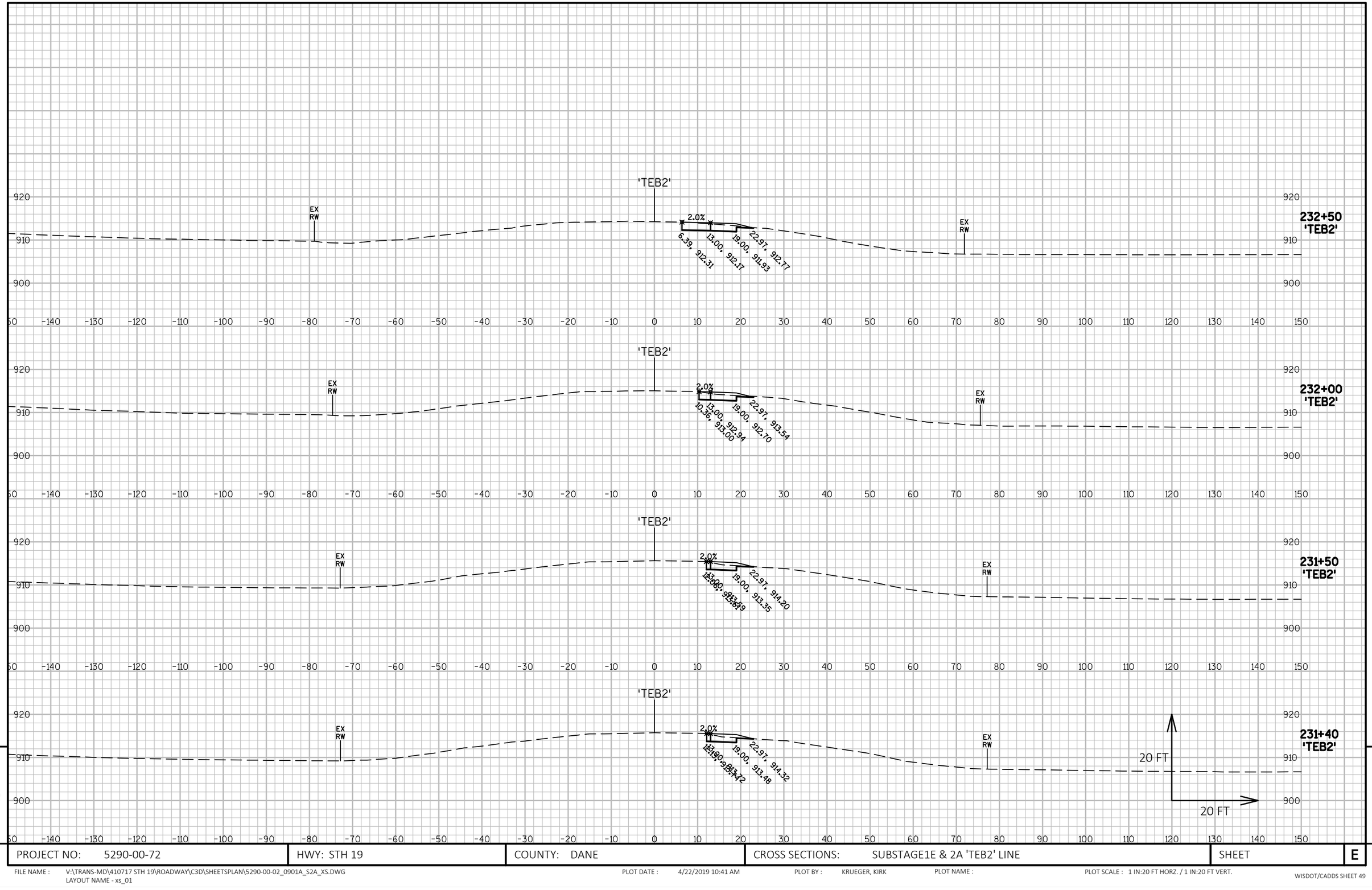
PLOT DATE : 4/19/2019 9:07 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : Custom



PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: 'EB'	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0902A_EB_XS.DWG
LAYOUT NAME - XEB02_25

PLOT DATE : 4/19/2019 9:07 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : Custom



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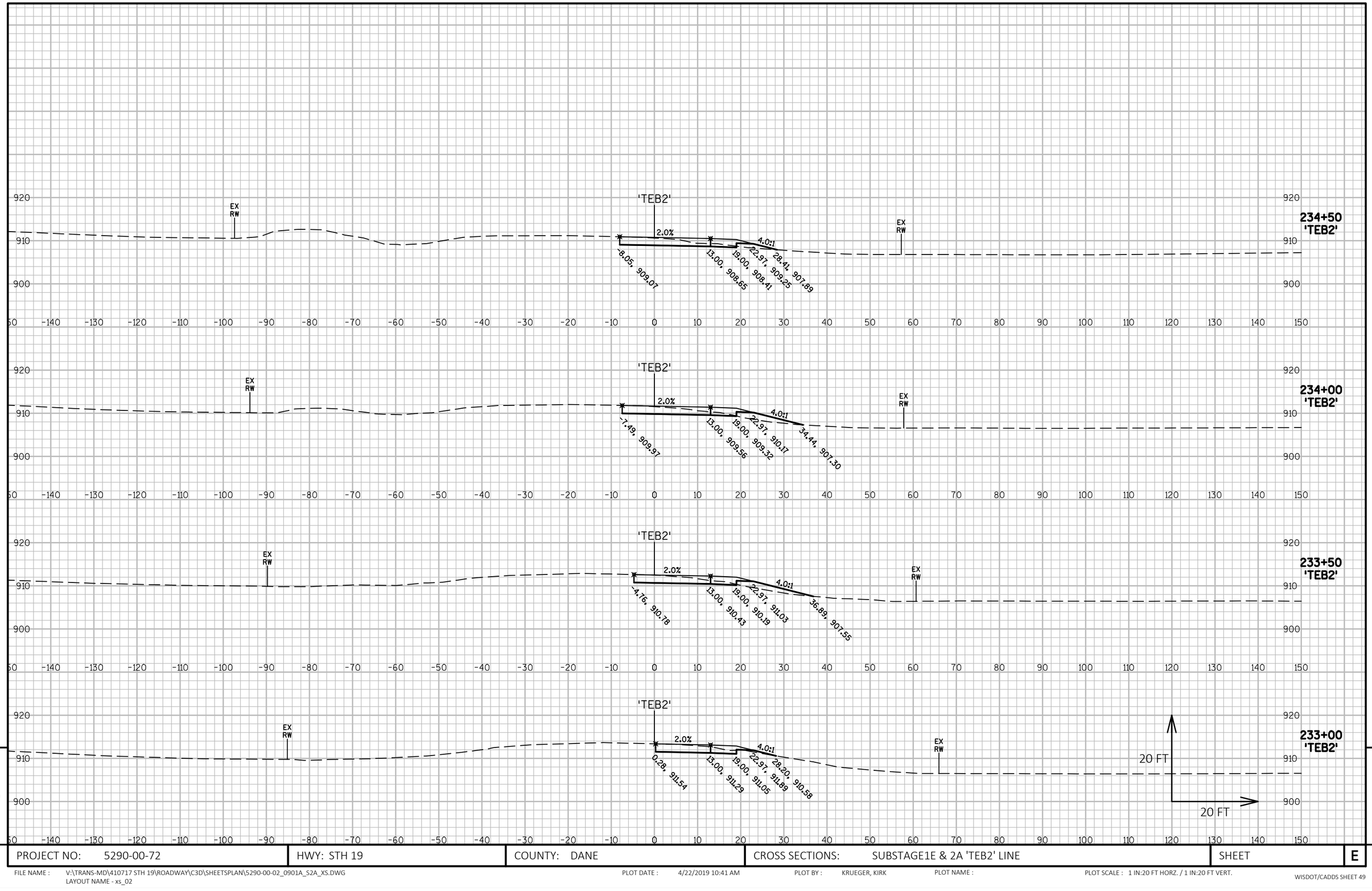
9

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: SUBSTAGE1E & 2A 'TEB2' LINE	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0901A_S2A_XS.DWG
LAYOUT NAME - xs_01

PLOT DATE : 4/22/2019 10:41 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



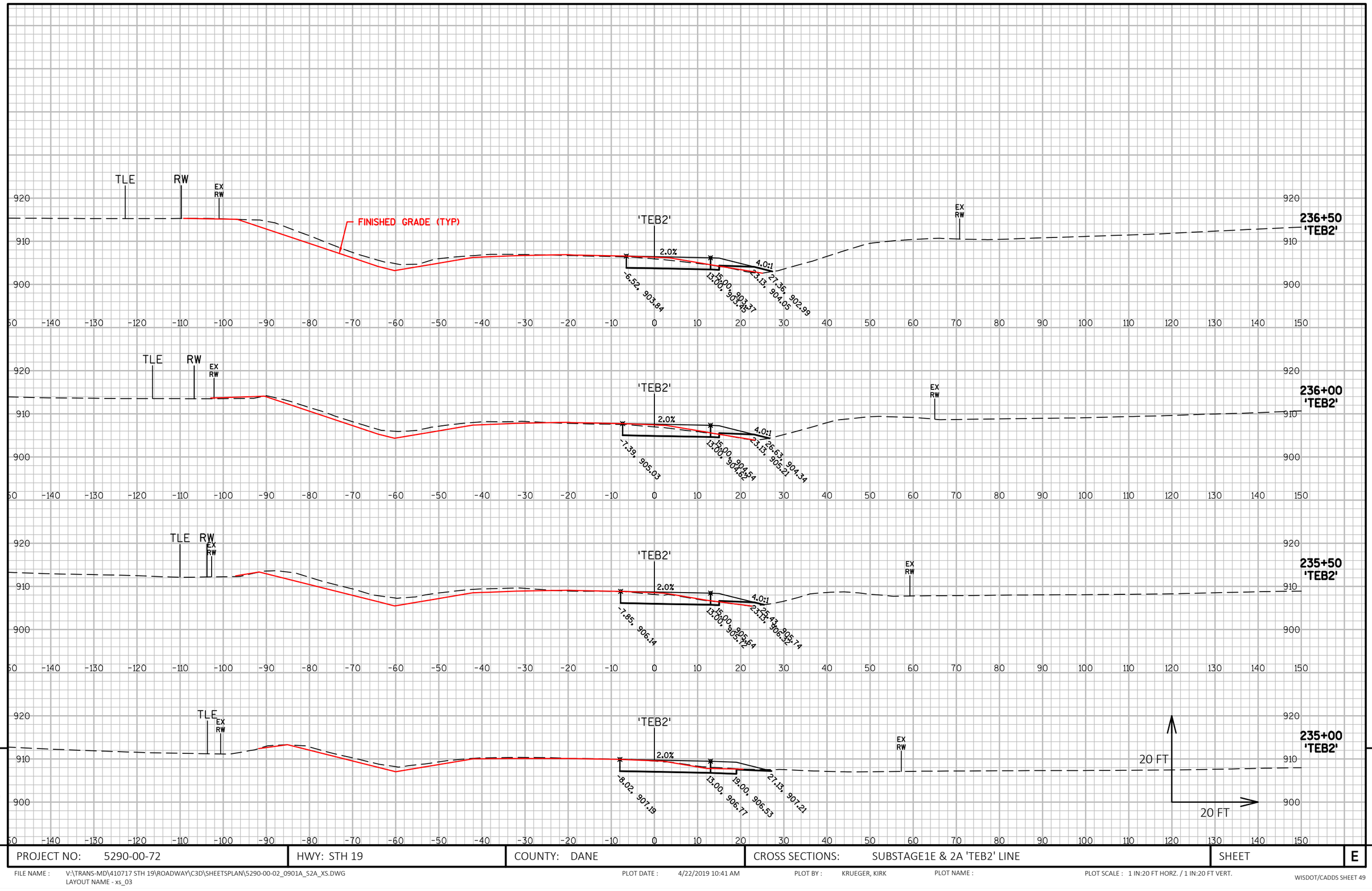
9

9

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: SUBSTAGE1E & 2A 'TEB2' LINE	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0901A_S2A_XS.DWG
LAYOUT NAME - xs_02

PLOT DATE : 4/22/2019 10:41 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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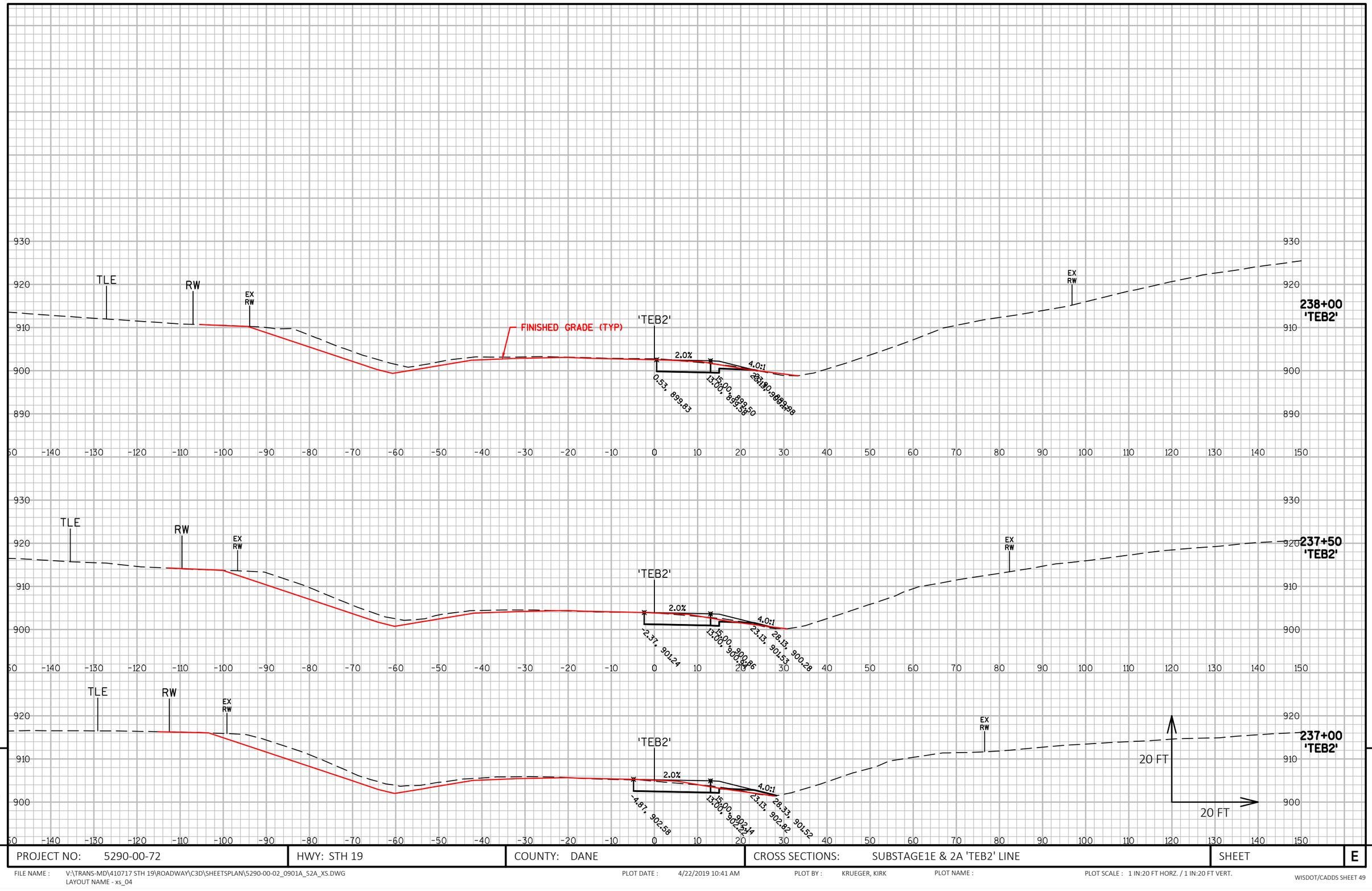
9

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: SUBSTAGE1E & 2A 'TEB2' LINE	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0901A_S2A_XS.DWG
LAYOUT NAME - xs_03

PLOT DATE : 4/22/2019 10:41 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: SUBSTAGE1E & 2A 'TEB2' LINE	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0901A_S2A_XS.DWG
LAYOUT NAME - xs_04

PLOT DATE : 4/22/2019 10:41 AM

PLOT BY : KRUEGER, KIRK

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

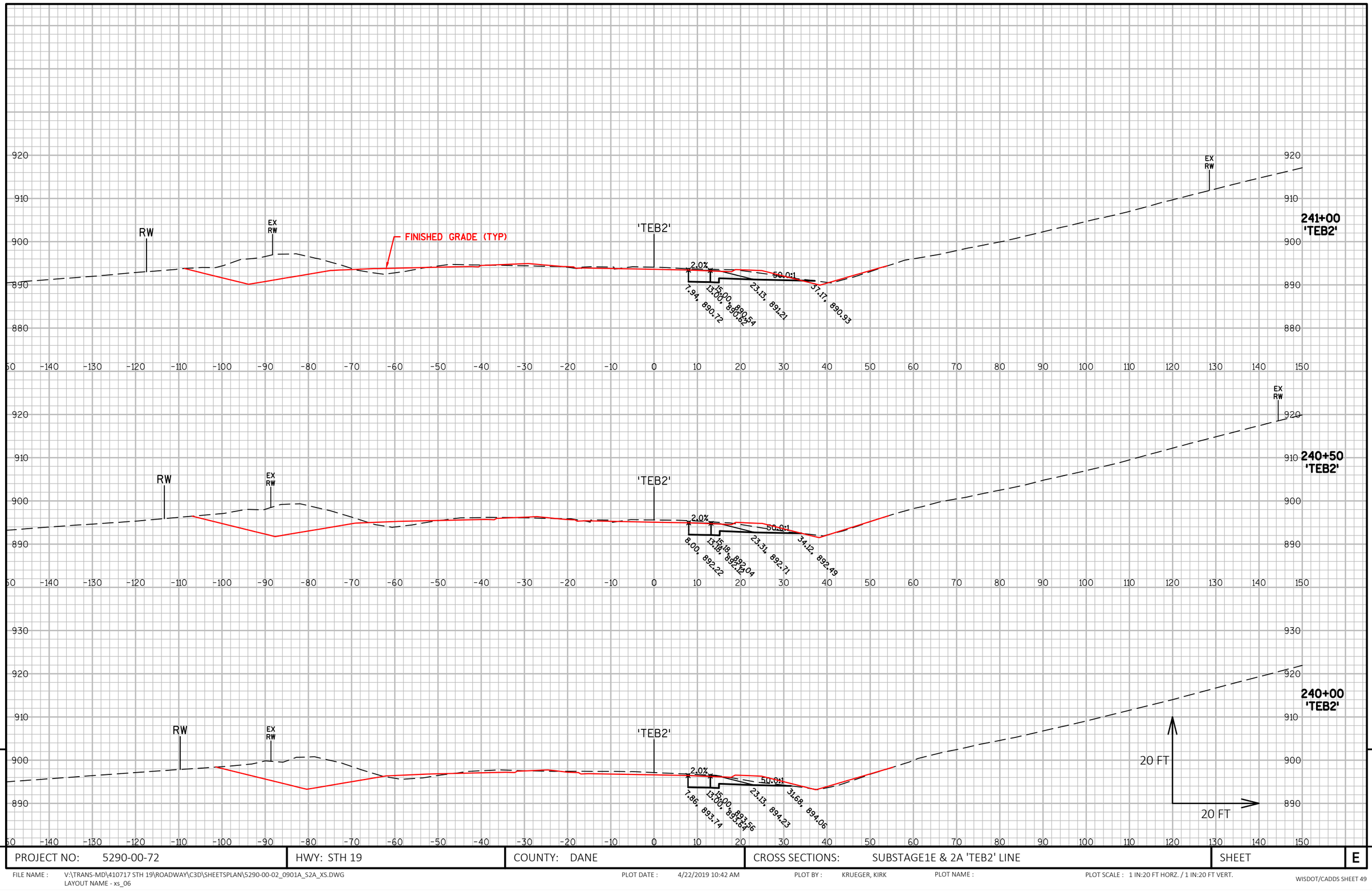
9

9

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: SUBSTAGE1E & 2A 'TEB2' LINE	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0901A_S2A_XS.DWG
LAYOUT NAME - xs_05

PLOT DATE : 4/22/2019 10:41 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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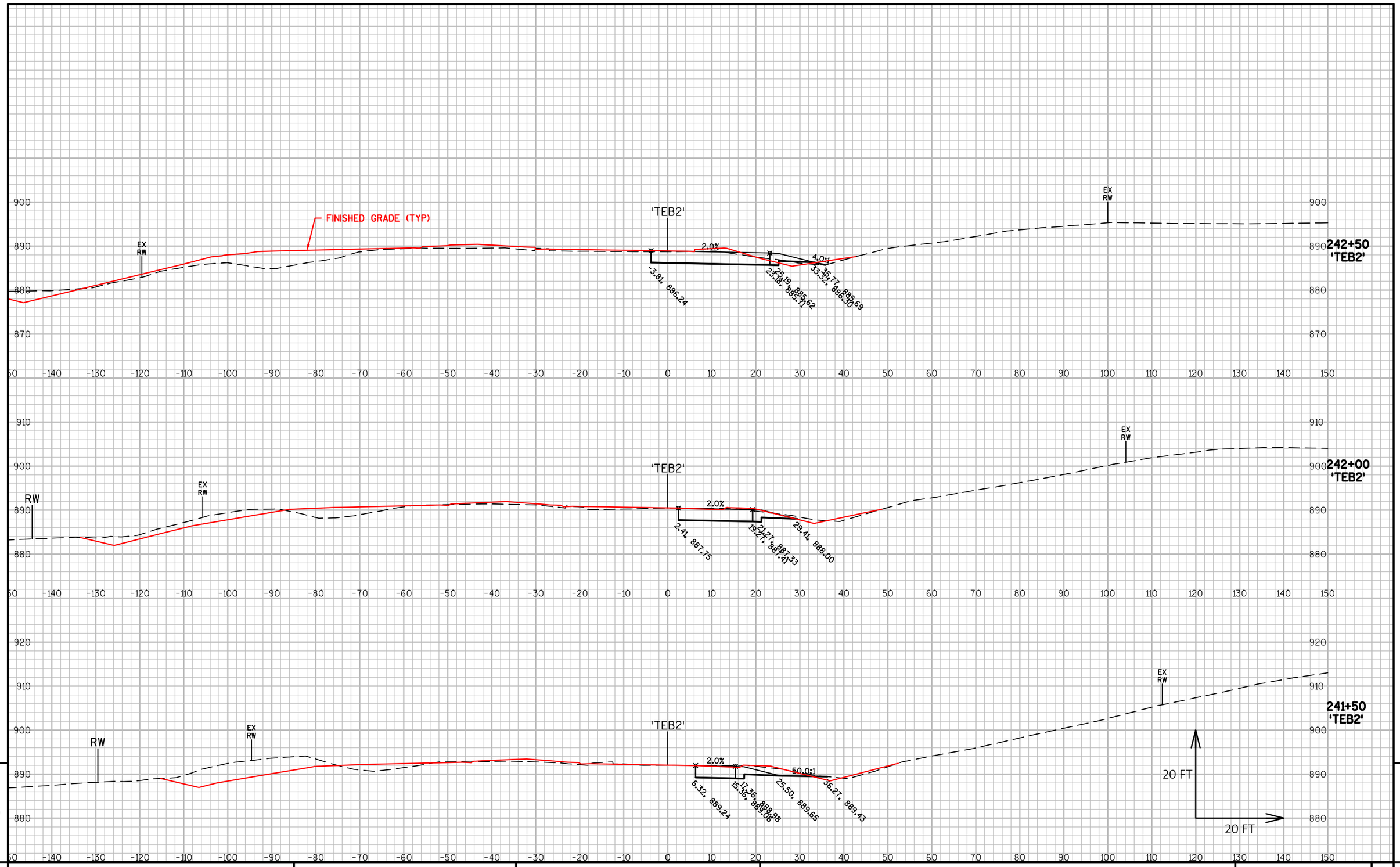
PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: SUBSTAGE1E & 2A 'TEB2' LINE	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0901A_S2A_XS.DWG
LAYOUT NAME - xs_06

PLOT DATE : 4/22/2019 10:42 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

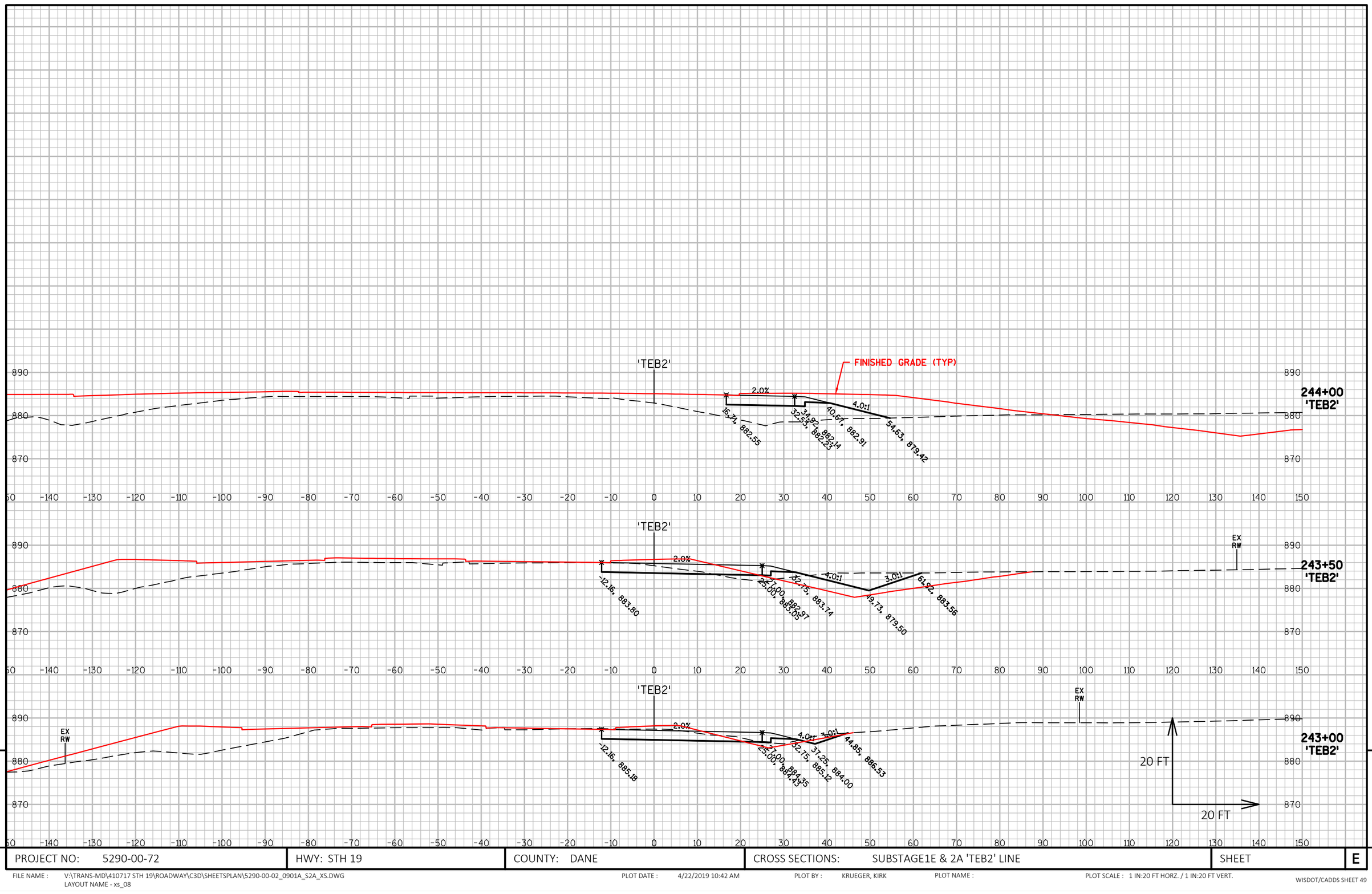


PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: SUBSTAGE1E & 2A 'TEB2' LINE	SHEET E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0901A_S2A_XS.DWG
LAYOUT NAME - xs_07

PLOT DATE : 4/22/2019 10:42 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

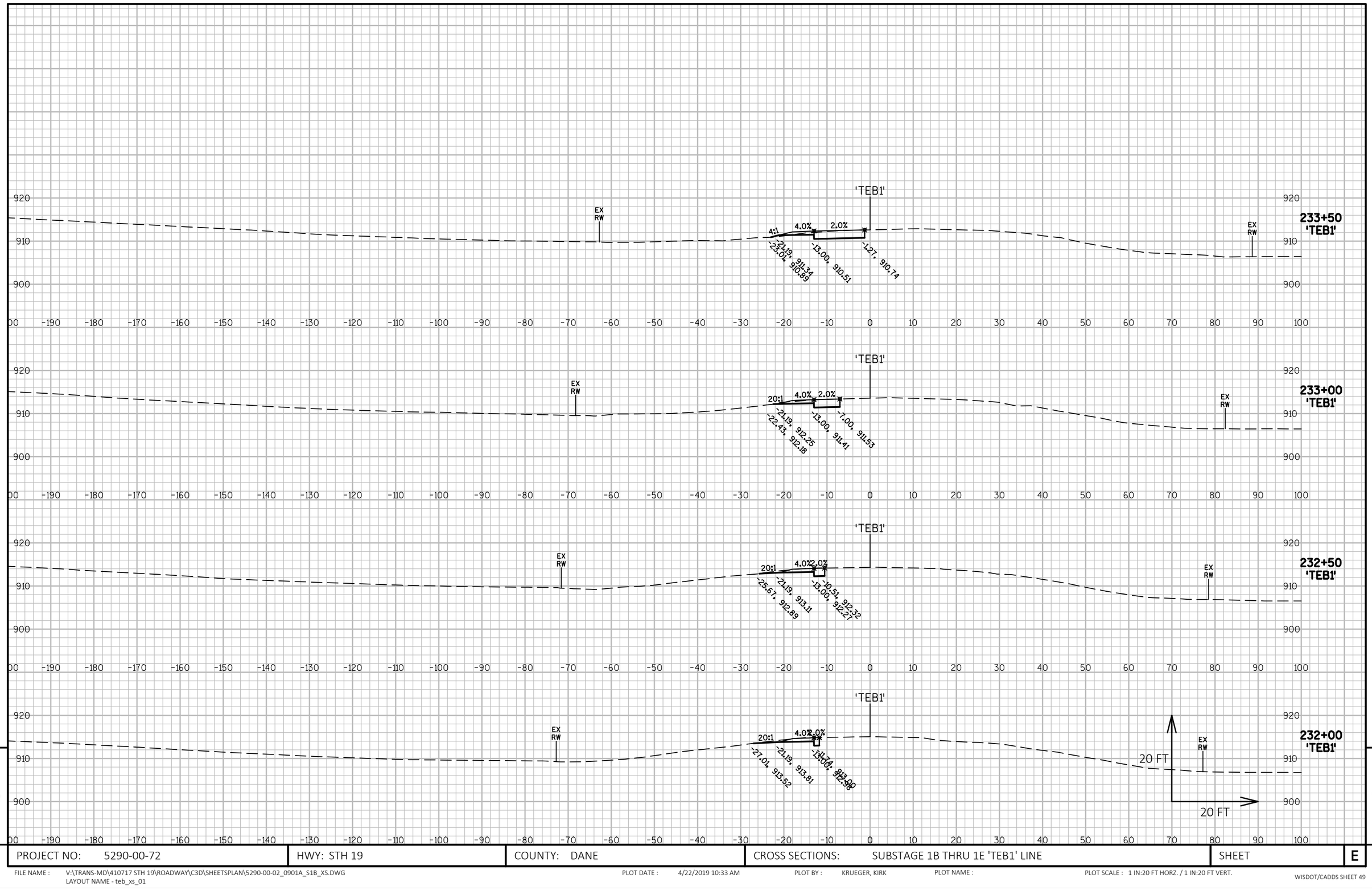


PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: SUBSTAGE1E & 2A 'TEB2' LINE	SHEET E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0901A_S2A_XS.DWG
LAYOUT NAME - xs_08

PLOT DATE : 4/22/2019 10:42 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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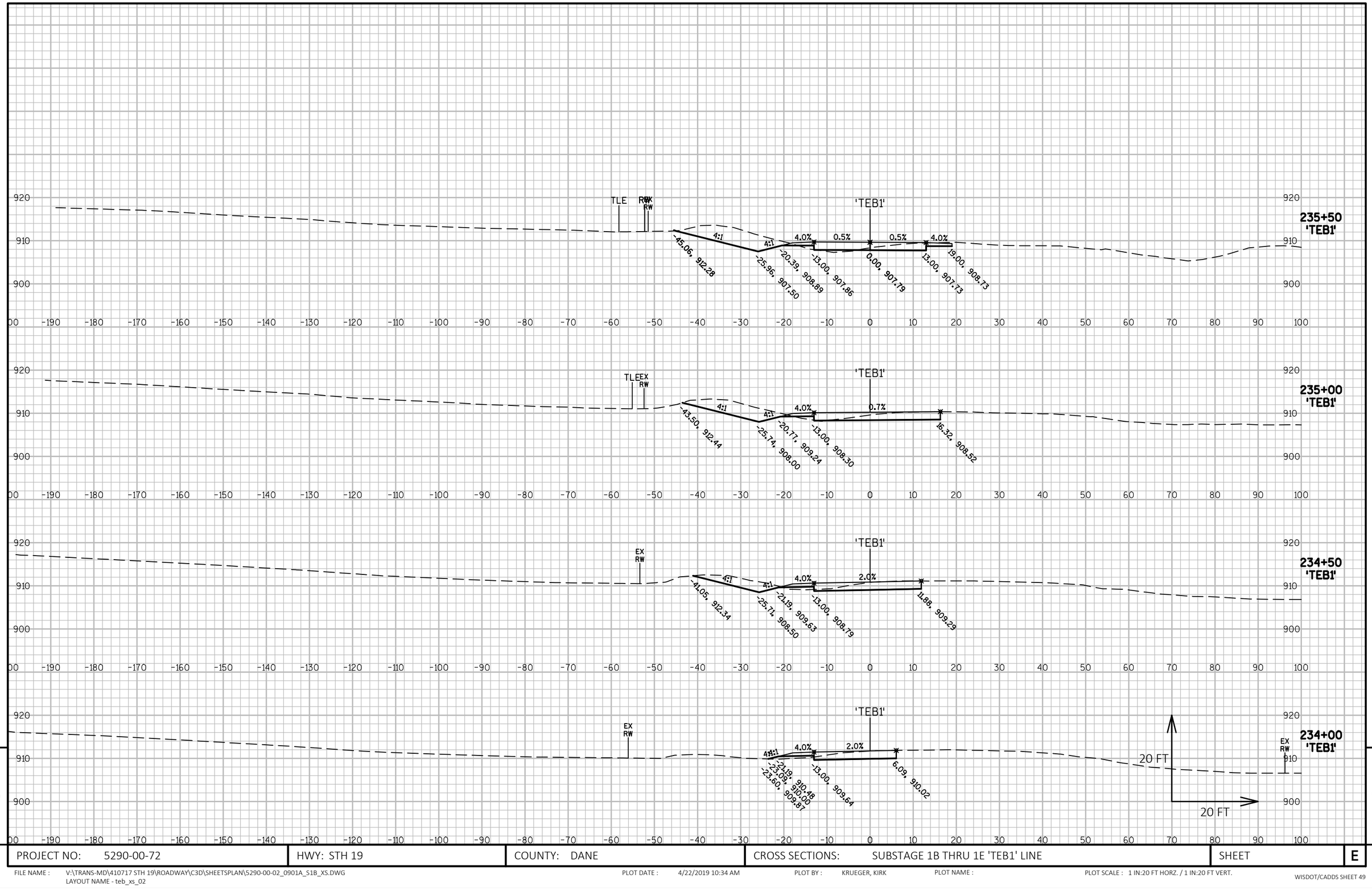
PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: SUBSTAGE 1B THRU 1E 'TEB1' LINE	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0901A_S1B_XS.DWG
LAYOUT NAME - teb_xs_01

PLOT DATE : 4/22/2019 10:33 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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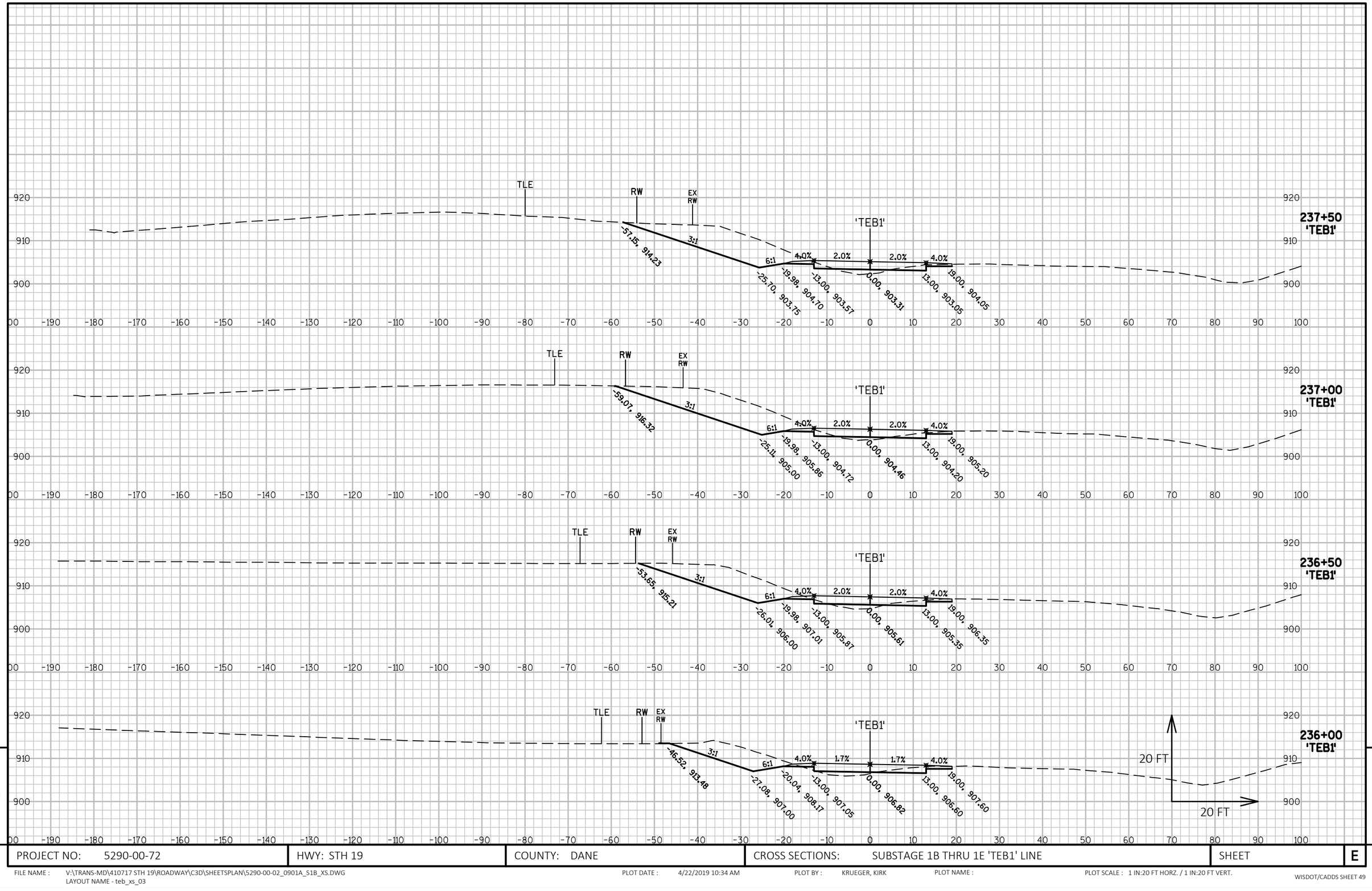
PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: SUBSTAGE 1B THRU 1E 'TEB1' LINE	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0901A_S1B_XS.DWG
LAYOUT NAME - teb_xs_02

PLOT DATE : 4/22/2019 10:34 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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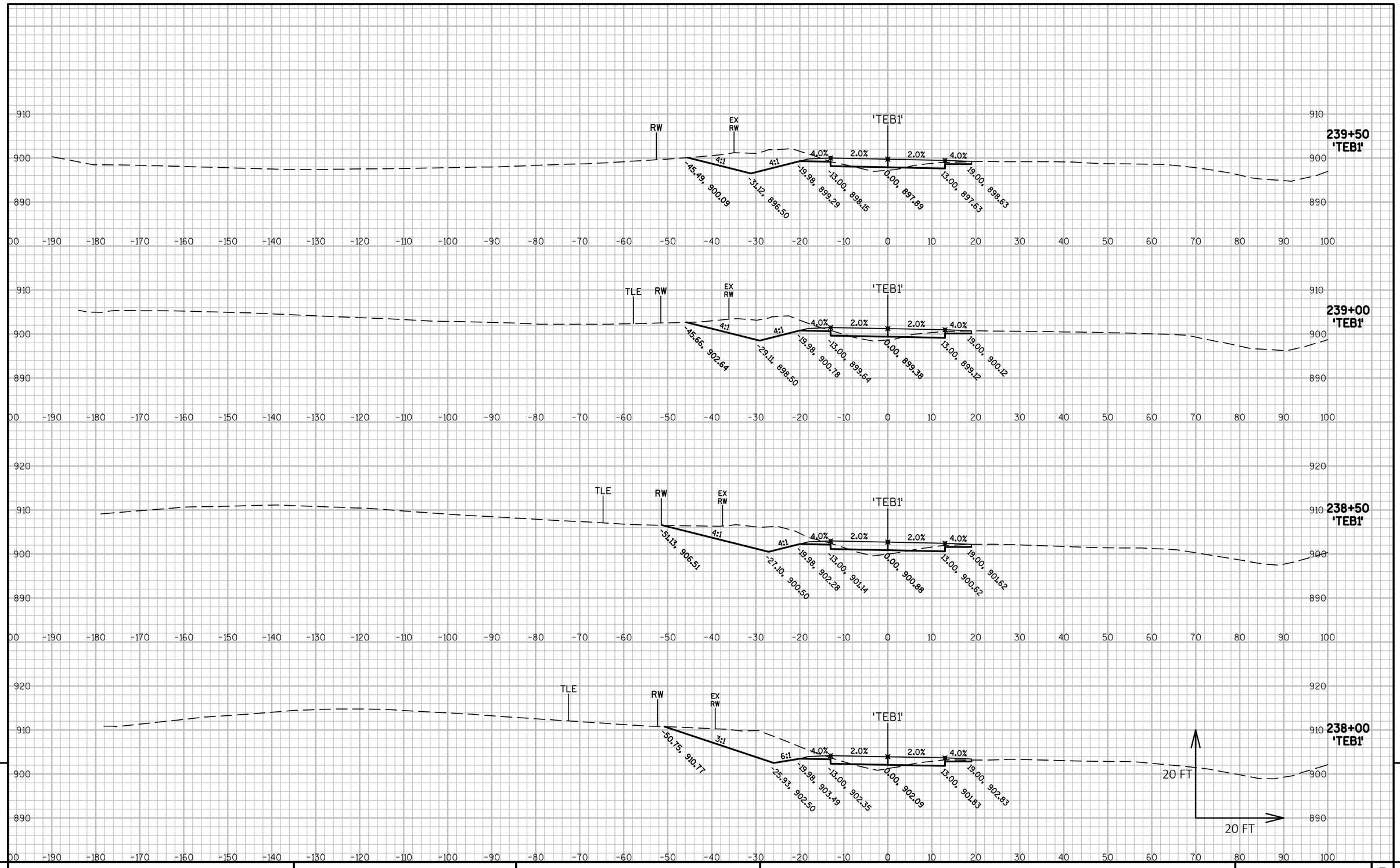
PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: SUBSTAGE 1B THRU 1E 'TEB1' LINE	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0901A_S1B_XS.DWG
LAYOUT NAME - teb_xs_03

PLOT DATE : 4/22/2019 10:34 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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9

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: SUBSTAGE 1B THRU 1E 'TEB1' LINE	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0901A_S1B_XS.DWG
LAYOUT NAME - teb_xs_04

PLOT DATE : 4/22/2019 10:34 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

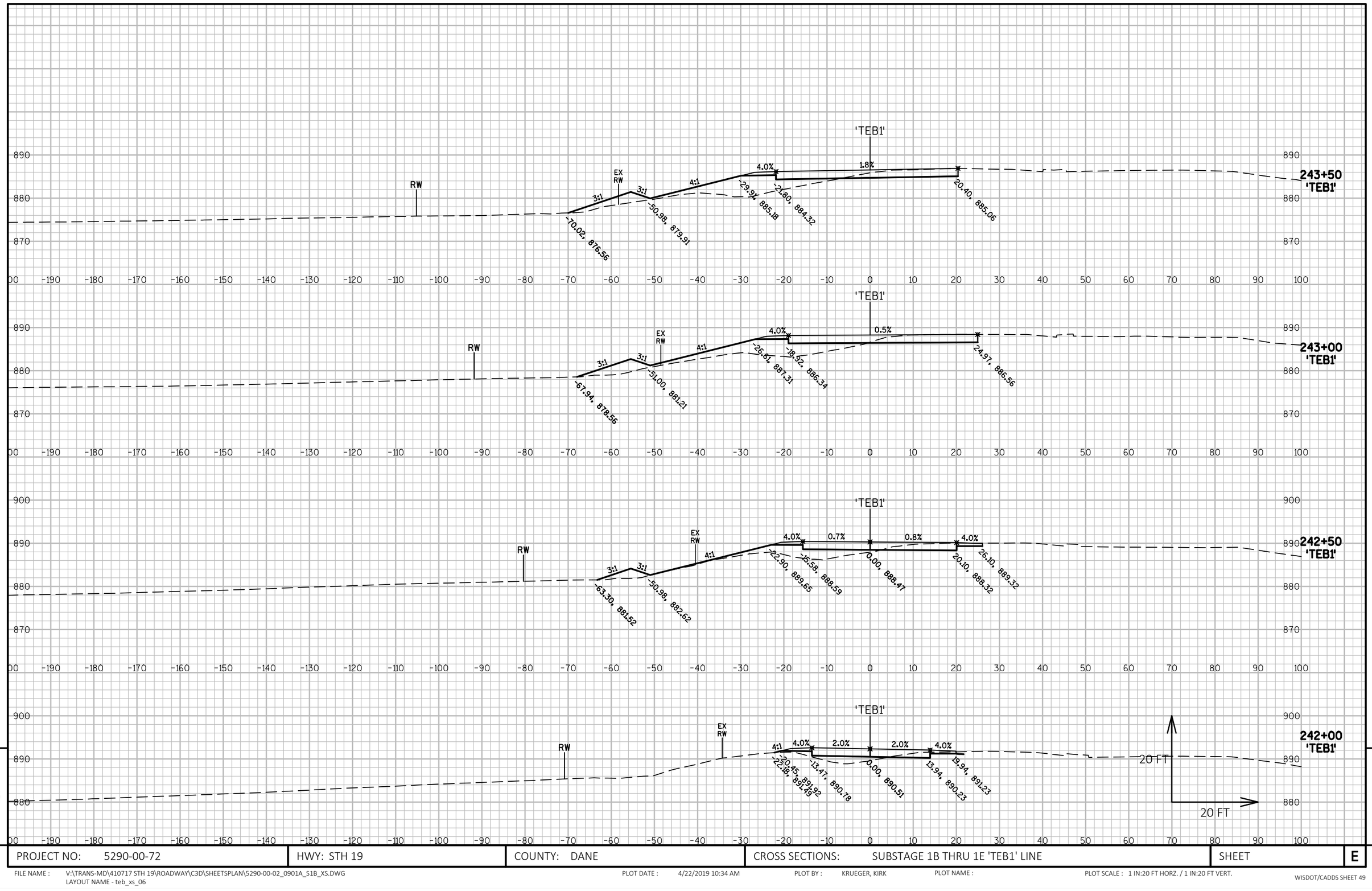
9

9

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: SUBSTAGE 1B THRU 1E 'TEB1' LINE	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0901A_S1B_XS.DWG
LAYOUT NAME - teb_xs_05

PLOT DATE : 4/22/2019 10:34 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

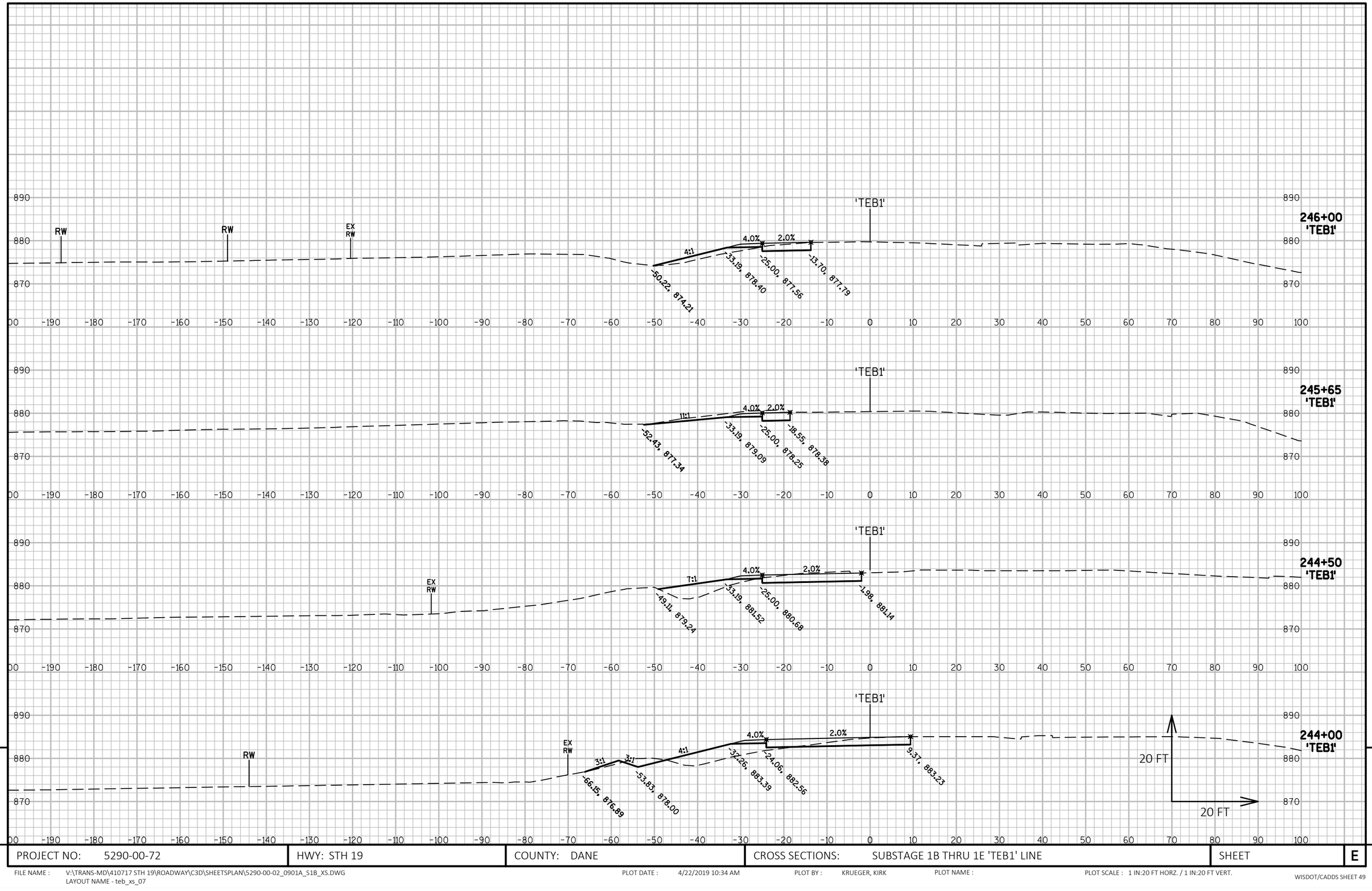


PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: SUBSTAGE 1B THRU 1E 'TEB1' LINE	SHEET E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0901A_S1B_XS.DWG
LAYOUT NAME - teb_xs_06

PLOT DATE : 4/22/2019 10:34 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

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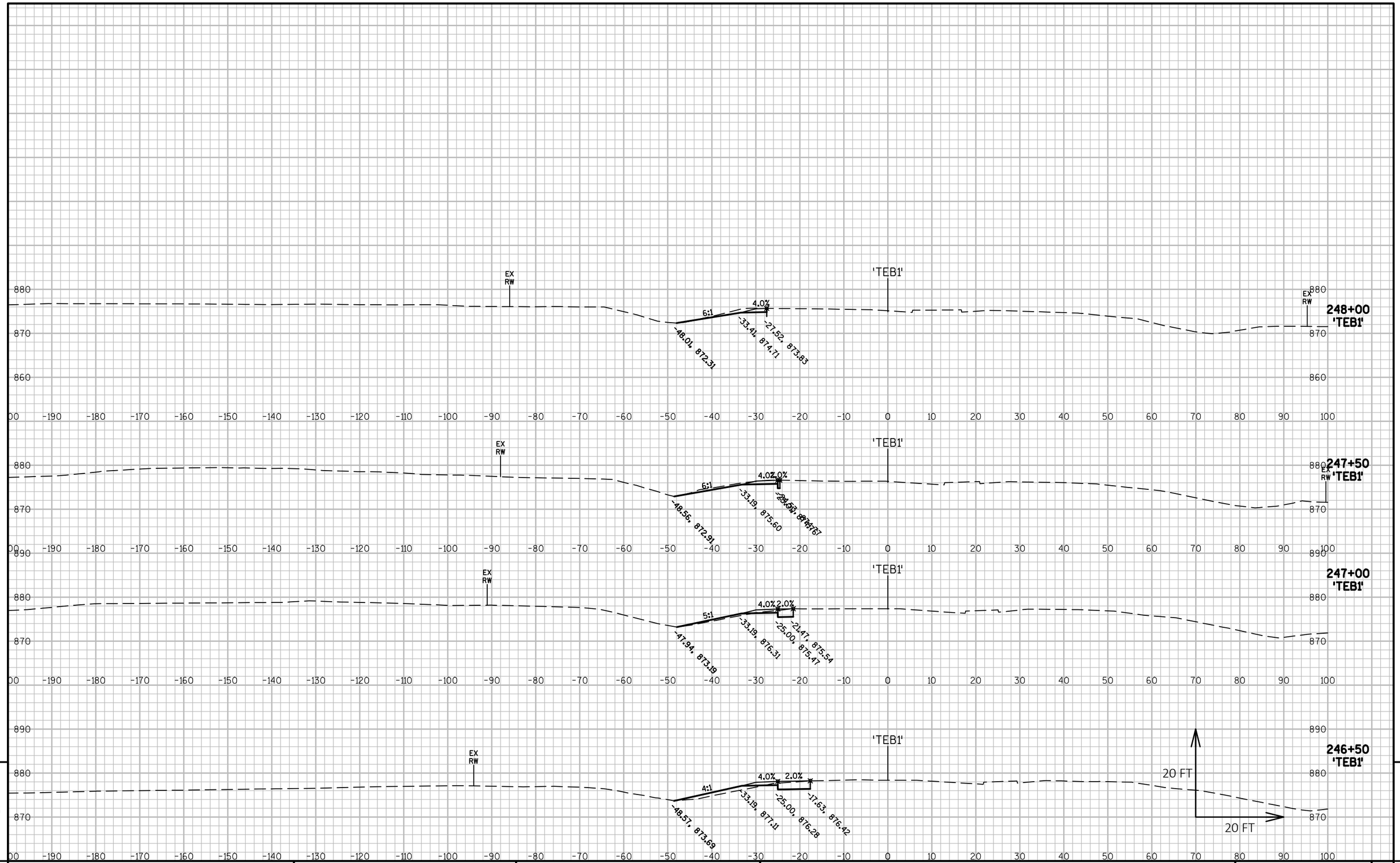
PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: SUBSTAGE 1B THRU 1E 'TEB1' LINE	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0901A_S1B_XS.DWG
LAYOUT NAME - teb_xs_07

PLOT DATE : 4/22/2019 10:34 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

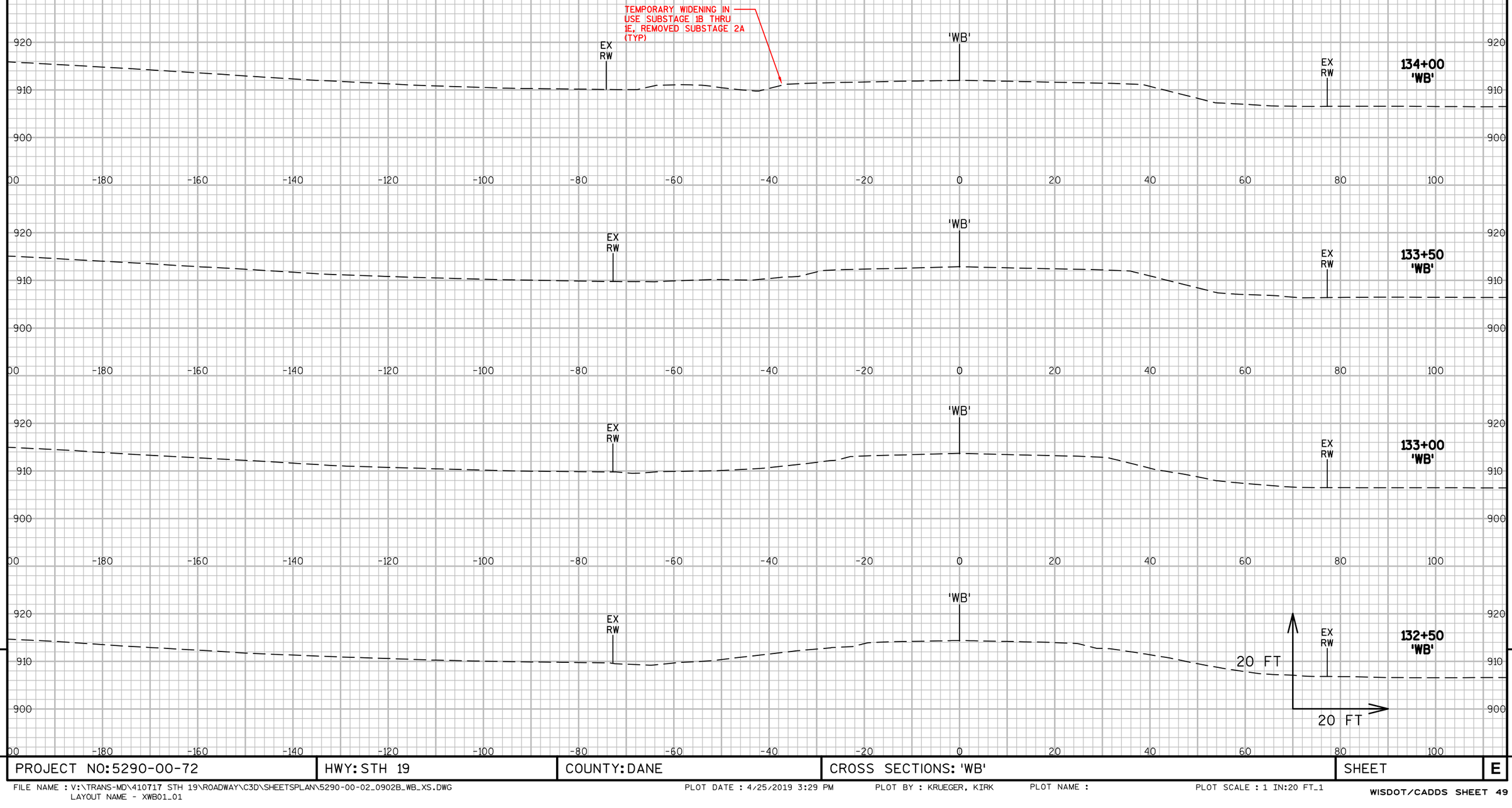
9

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: SUBSTAGE 1B THRU 1E 'TEB1' LINE	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0901A_S1B_XS.DWG
LAYOUT NAME - teb_xs_08

PLOT DATE : 4/22/2019 10:35 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

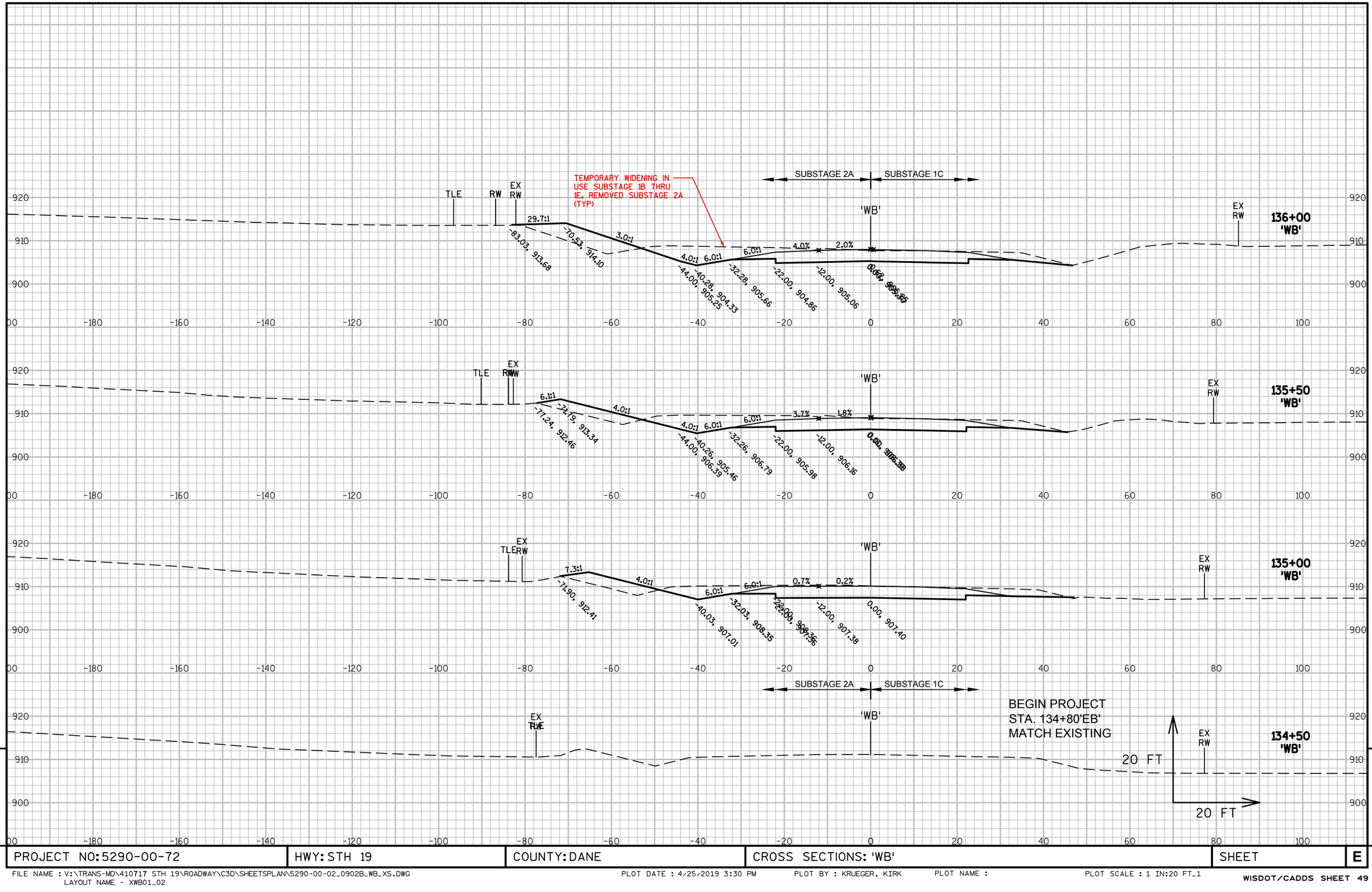
TEMPORARY WIDENING IN USE SUBSTAGE 1B THRU 1E, REMOVED SUBSTAGE 2A (TYP)



PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: 'WB'	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0902B_WB_XS.DWG
LAYOUT NAME - XWB01_01

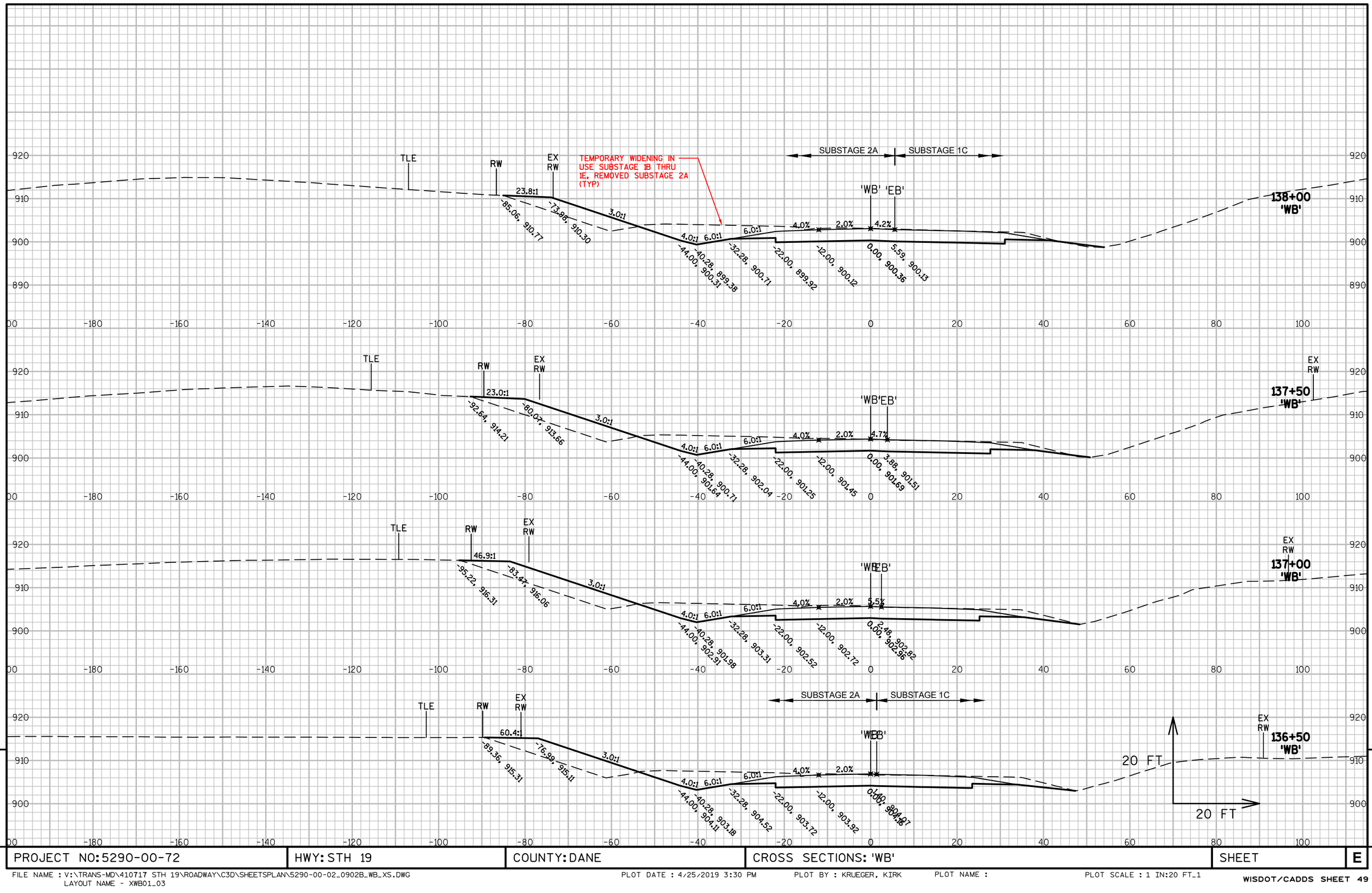
PLOT DATE : 4/25/2019 3:29 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:20 FT_1



PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: 'WB'	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0902B_WB_XS.DWG
LAYOUT NAME - XWB01_02

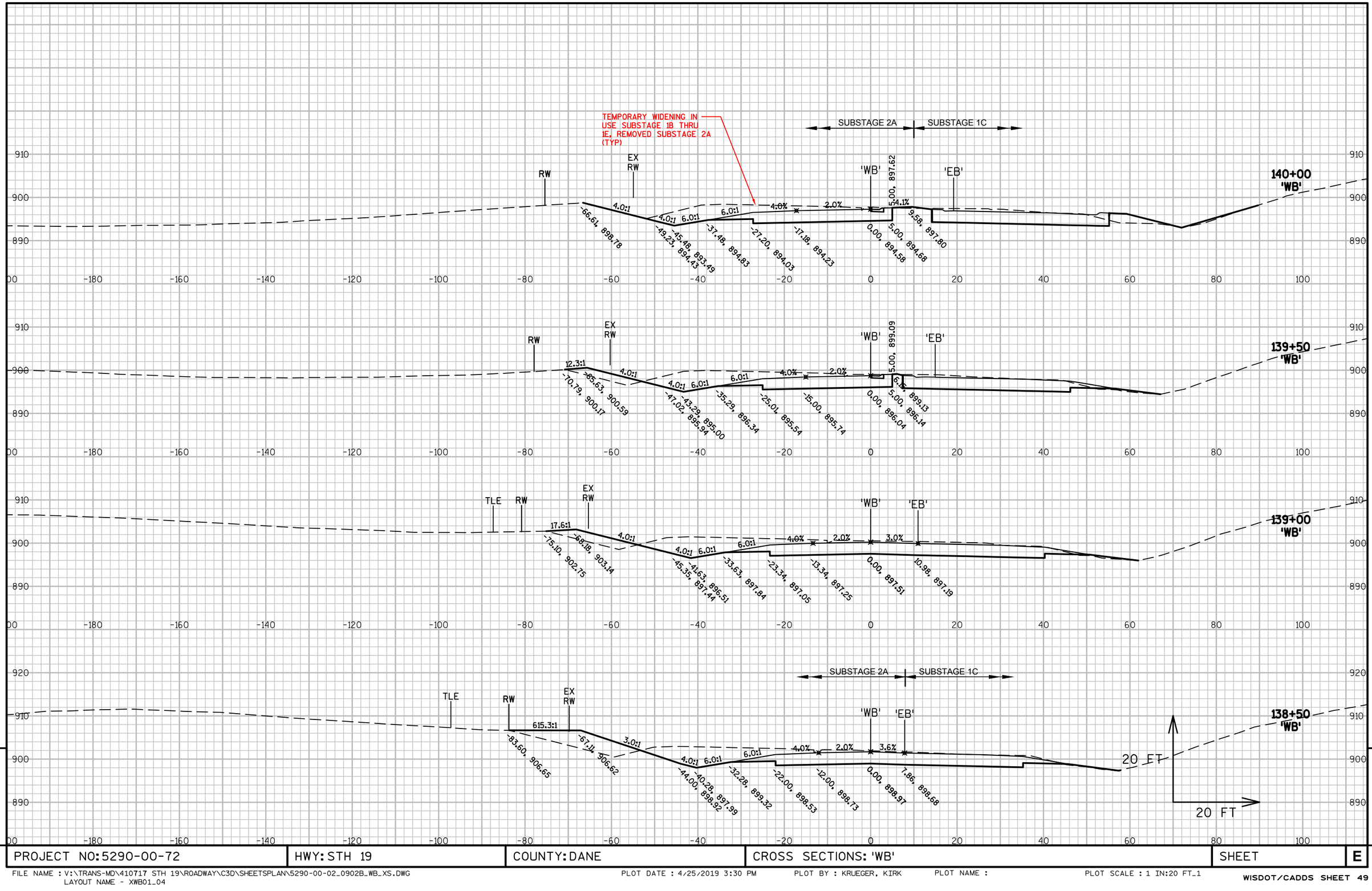
PLOT DATE : 4/25/2019 3:30 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:20 FT_1



PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: 'WB'	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0902B_WB_XS.DWG
LAYOUT NAME - XWB01_03

PLOT DATE : 4/25/2019 3:30 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:20 FT_1



PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: 'WB'	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0902B_WB_XS.DWG
LAYOUT NAME - XWB01_04

PLOT DATE : 4/25/2019 3:30 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:20 FT_1

TEMPORARY WIDENING IN USE SUBSTAGE 1B THRU 1E, REMOVED SUBSTAGE 2A (TYP)

SUBSTAGE 2A | SUBSTAGE 1C

RW
EX RW
'WB'
'EB'
5.00, 891.74
4.0:1
4.0:1
6.0:1
4.0%
2.0%
4.0%
-76.12, 885.08
-69.60, 883.45
-55.94, 886.86
-44.22, 888.82
-33.94, 888.02
-23.94, 888.22
0.00, 888.70
5.00, 888.80
15.04, 892.15
142+00 'WB'

RW
EX RW
'WB'
'EB'
5.00, 893.21
4.0:1
4.0:1
6.0:1
6.0:1
4.0%
2.0%
4.0%
-65.60, 890.20
-56.73, 888.34
-55.30, 888.34
-43.58, 890.30
-33.30, 889.50
-23.30, 889.70
0.00, 890.17
5.00, 890.27
14.58, 893.60
141+50 'WB'

RW
EX RW
'WB'
'EB'
5.00, 894.68
4.0:1
4.0:1
6.0:1
6.0:1
4.0%
2.0%
4.0%
-66.07, 894.36
-53.91, 891.34
-50.38, 890.44
-42.24, 891.79
-31.96, 891.00
-21.95, 891.20
0.00, 891.64
5.00, 891.74
13.39, 895.02
141+00 'WB'

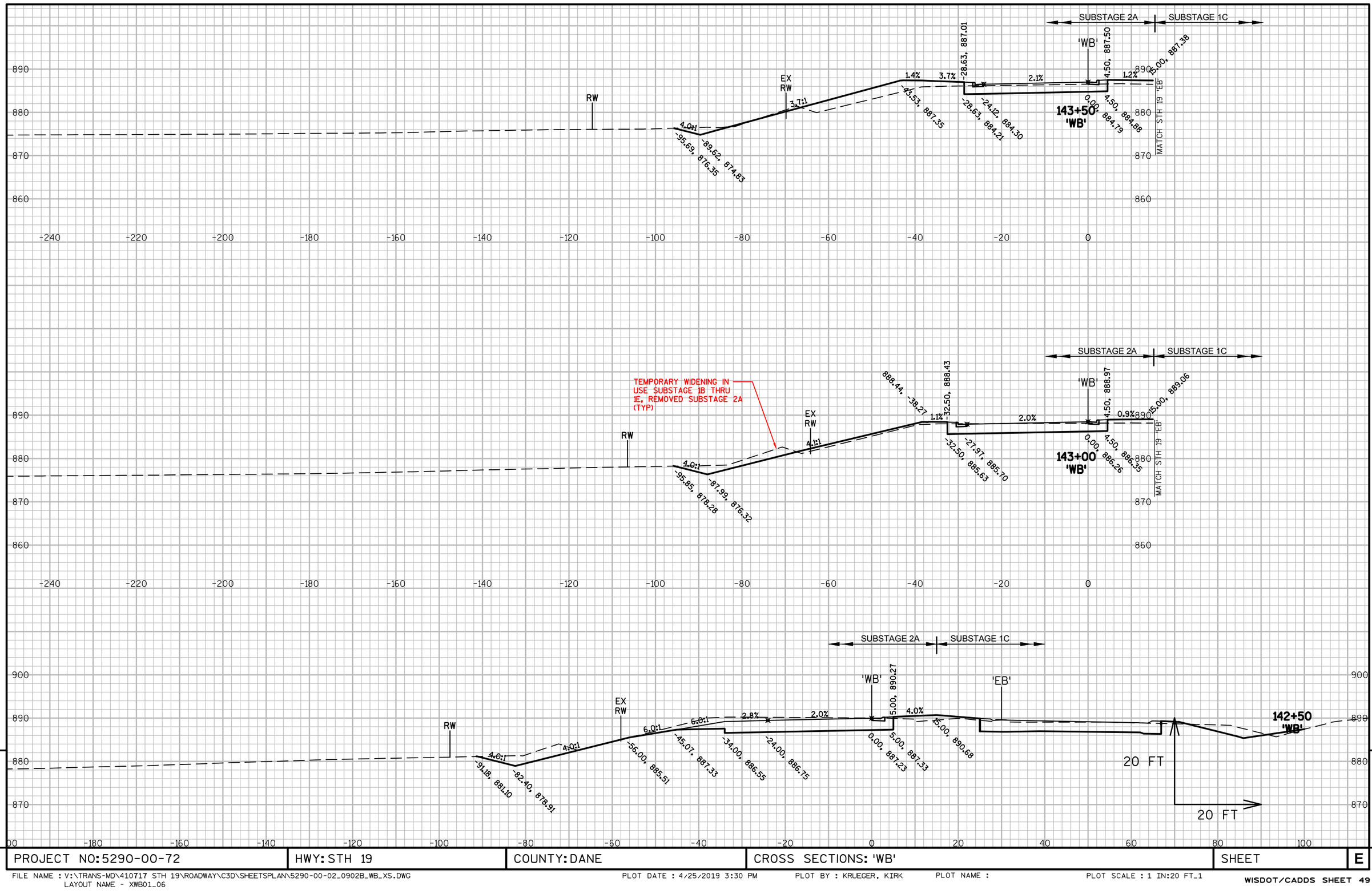
SUBSTAGE 2A | SUBSTAGE 1C

RW
EX RW
'WB'
'EB'
5.00, 896.15
4.0:1
4.0:1
6.0:1
6.0:1
4.0%
2.0%
4.1%
-67.68, 896.84
-51.94, 892.90
-48.20, 891.97
-40.20, 893.30
-29.92, 892.51
-19.91, 892.71
0.00, 893.11
5.00, 893.21
11.78, 896.42
140+50 'WB'
20 FT
20 FT

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: 'WB'	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0902B_WB_XS.DWG
LAYOUT NAME - XWB01_05

PLOT DATE : 4/25/2019 3:30 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:20 FT_1



9

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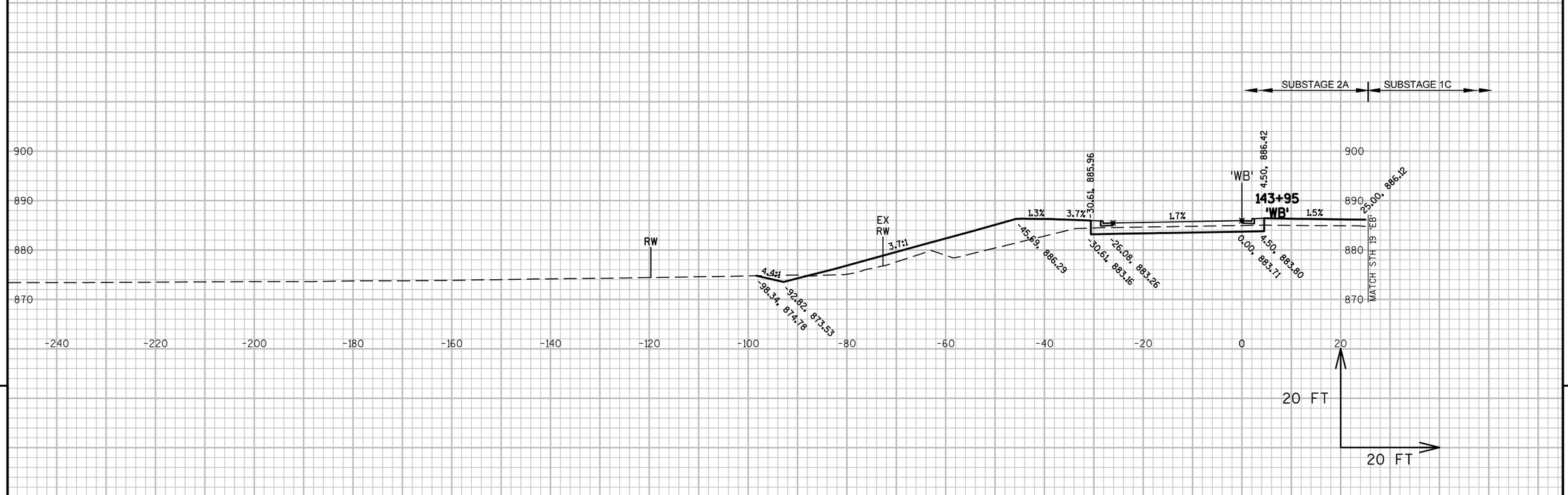
PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: 'WB'	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0902B_WB_XS.DWG
LAYOUT NAME - XWB01_06

PLOT DATE : 4/25/2019 3:30 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:20 FT_1



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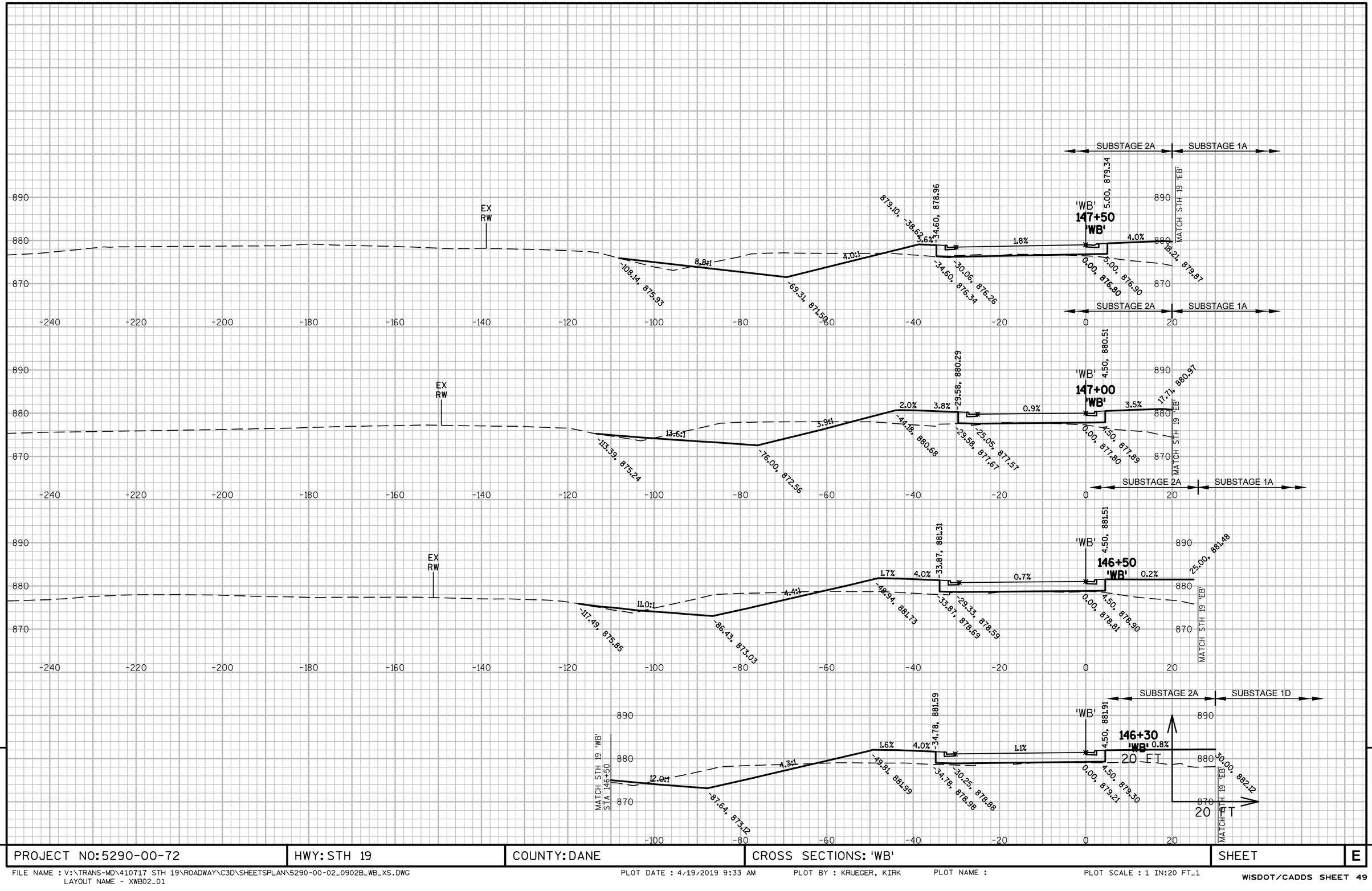
PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: 'WB'	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0902B_WB_XS.DWG
LAYOUT NAME - XWB01_07

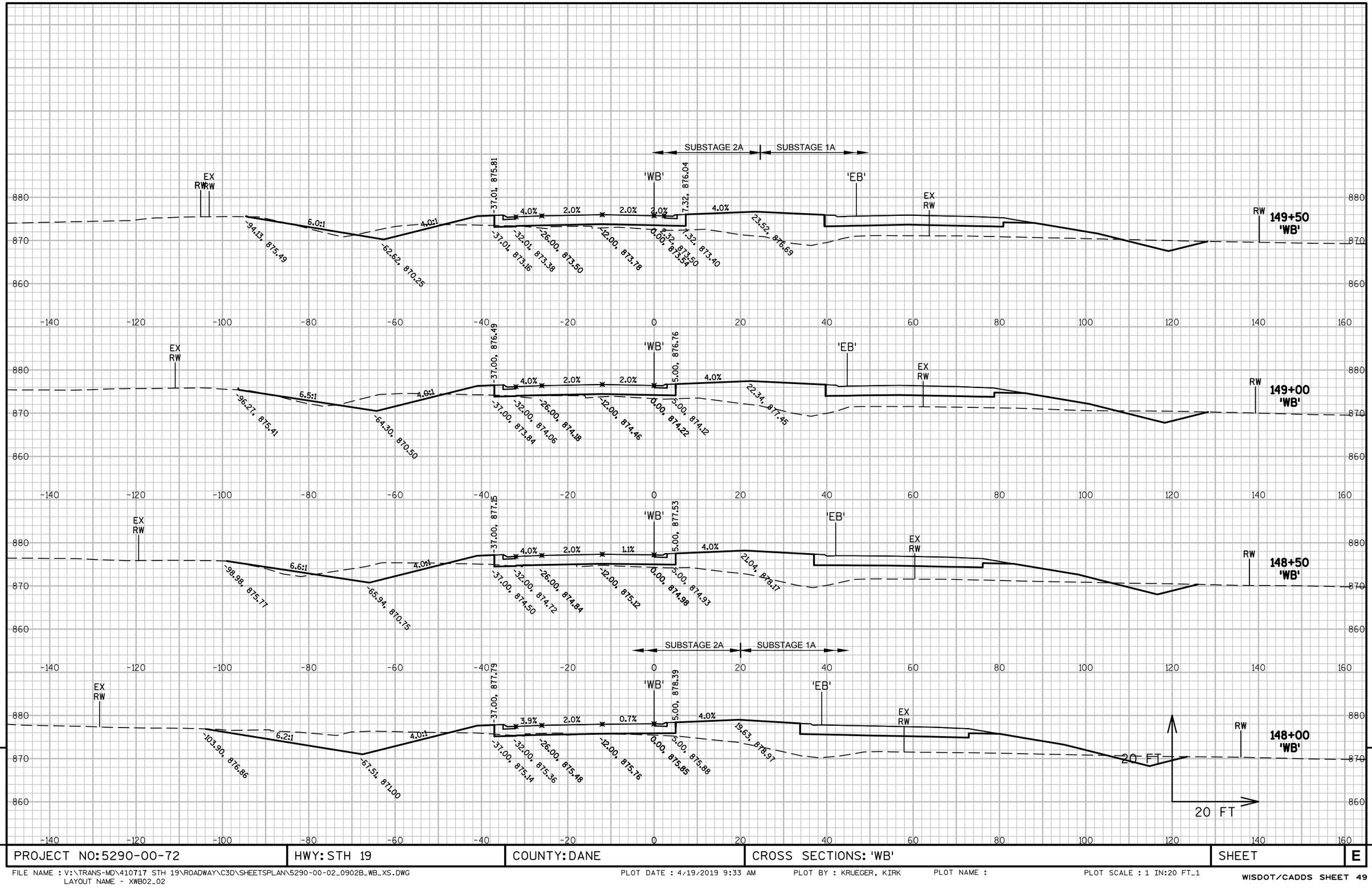
PLOT DATE : 4/25/2019 3:30 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:20 FT_1



PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: 'WB'	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0902B_WB_XS.DWG
LAYOUT NAME - XWB02_01

PLOT DATE : 4/19/2019 9:33 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:20 FT_1



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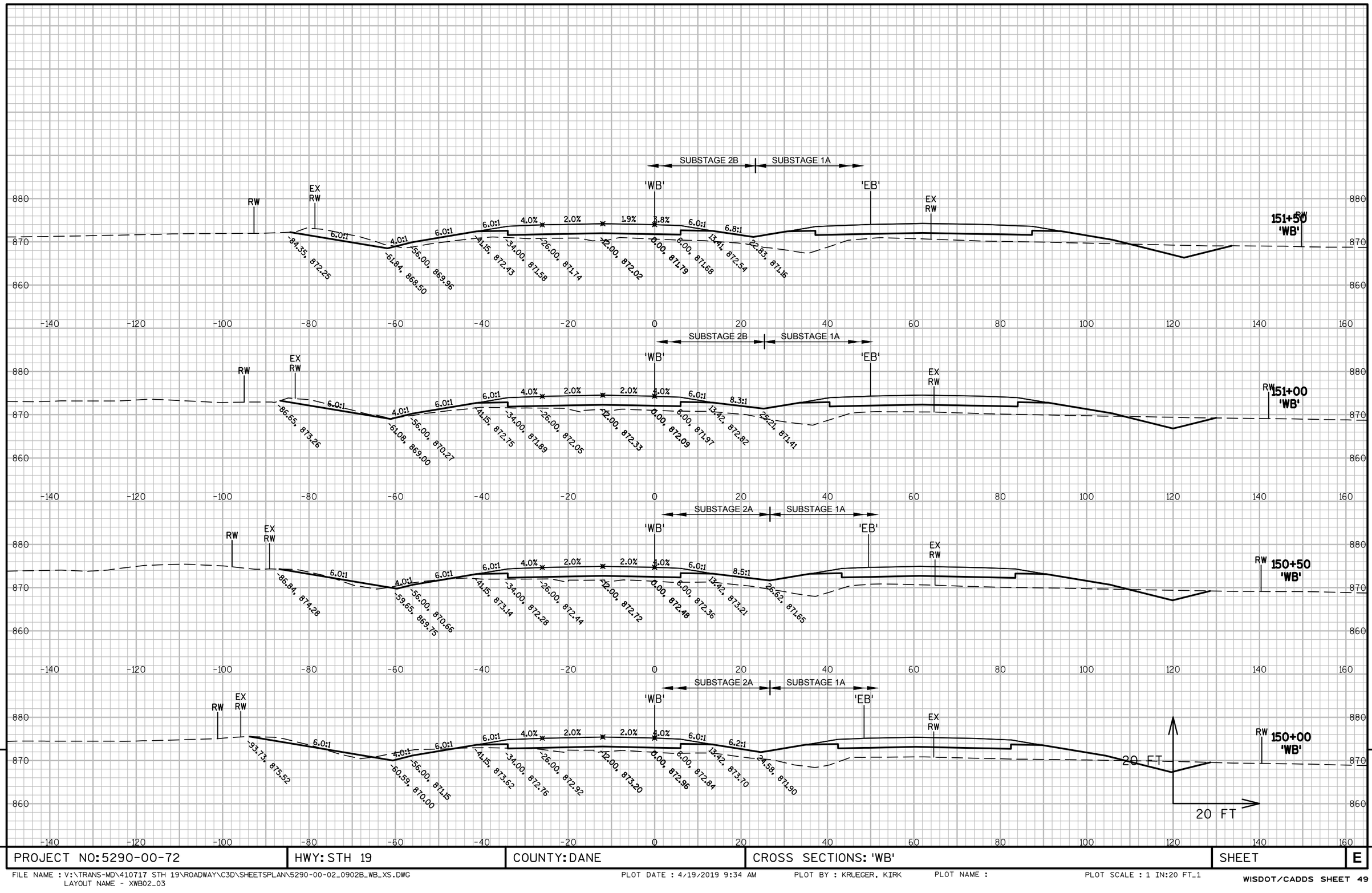
PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: 'WB'	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0902B_WB_XS.DWG
LAYOUT NAME - XWB02_02
PLOT DATE : 4/19/2019 9:33 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:20 FT_1
WISDOT/CADDS SHEET 49



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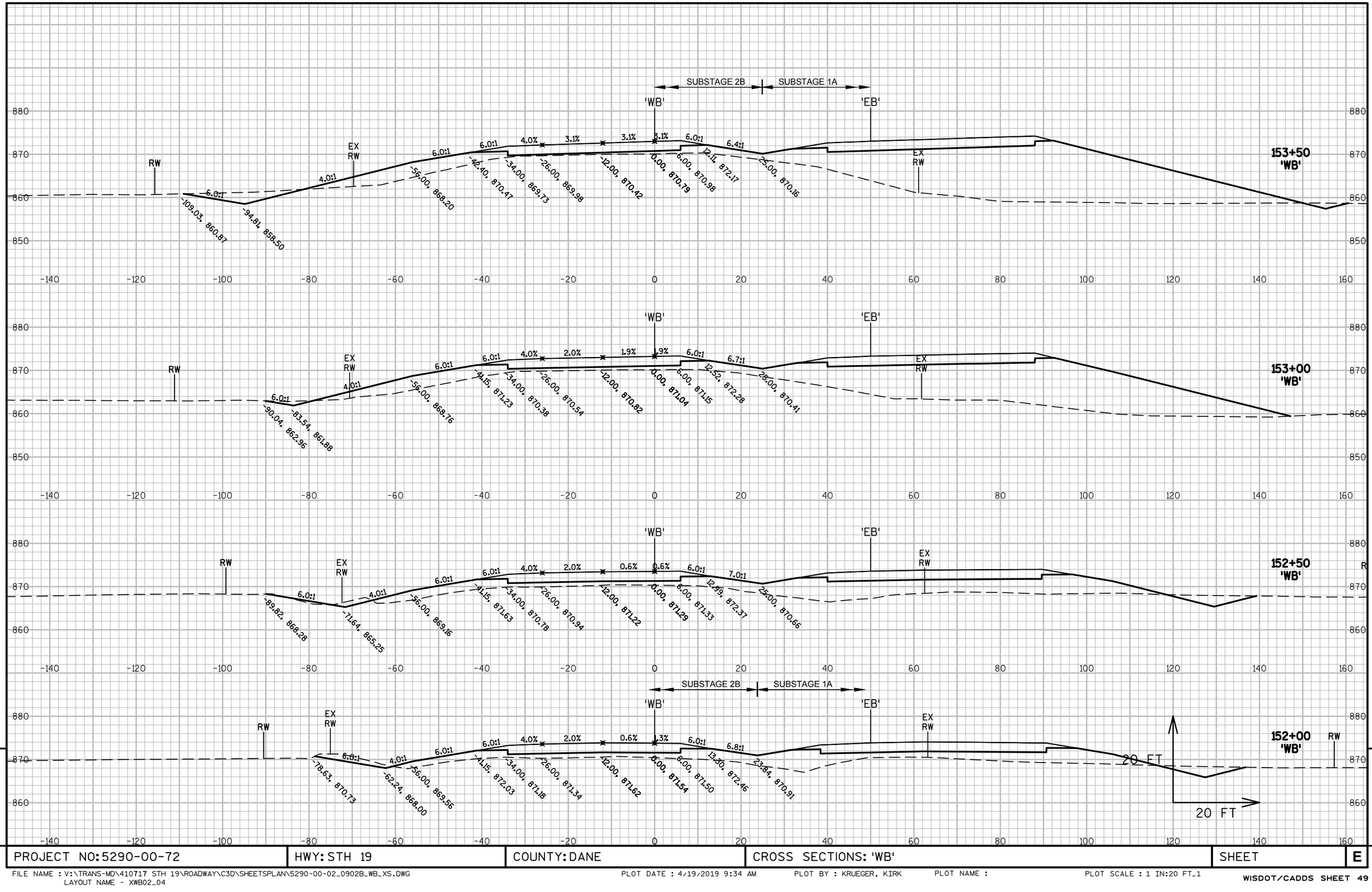
PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: 'WB'	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0902B_WB_XS.DWG
LAYOUT NAME - XWB02_03
PLOT DATE : 4/19/2019 9:34 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:20 FT_1



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PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: 'WB'	SHEET	E

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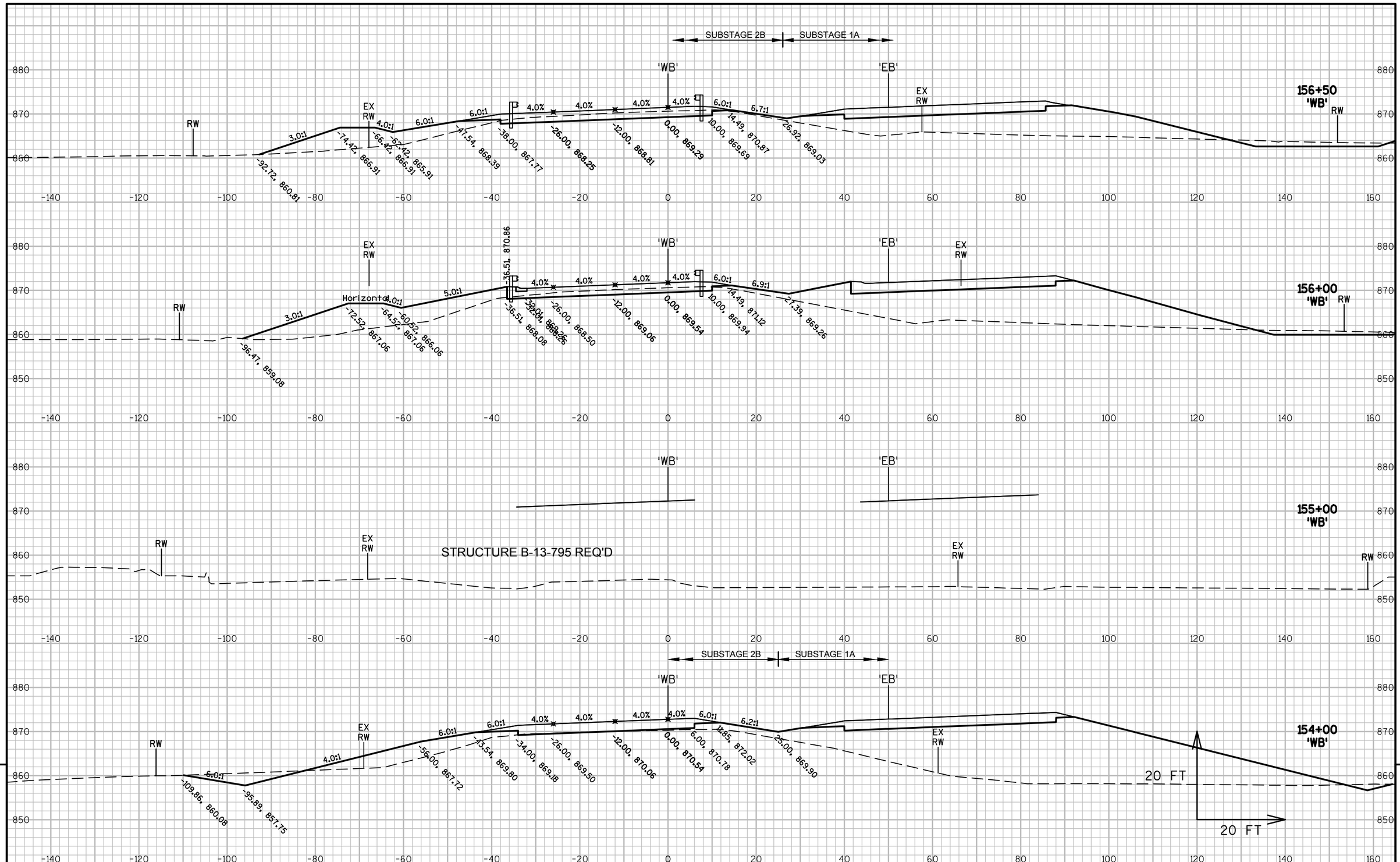
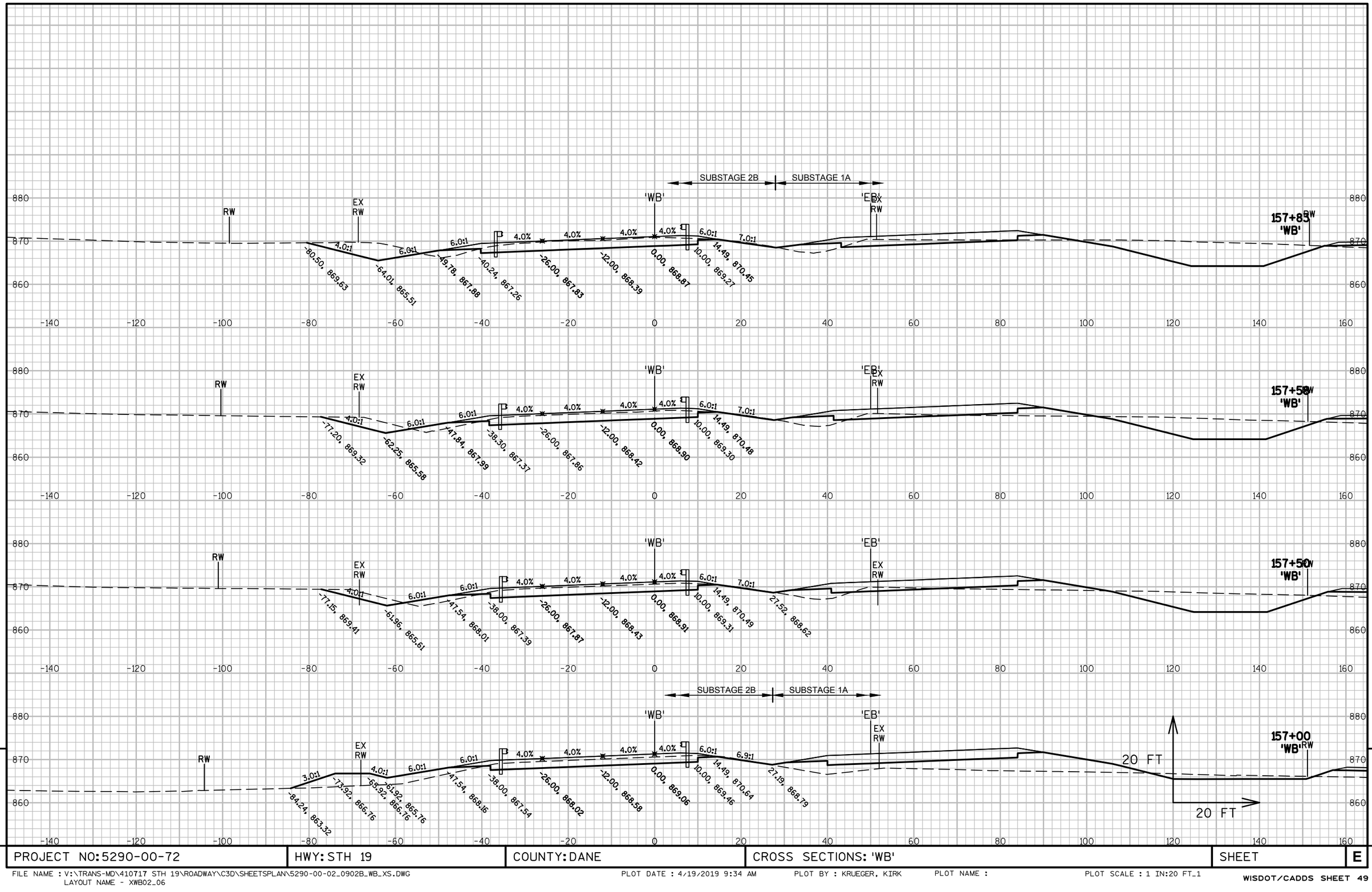
FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0902B_WB_XS.DWG
LAYOUT NAME - XWB02_04

PLOT DATE : 4/19/2019 9:34 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:20 FT_1



PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: 'WB'	SHEET	E

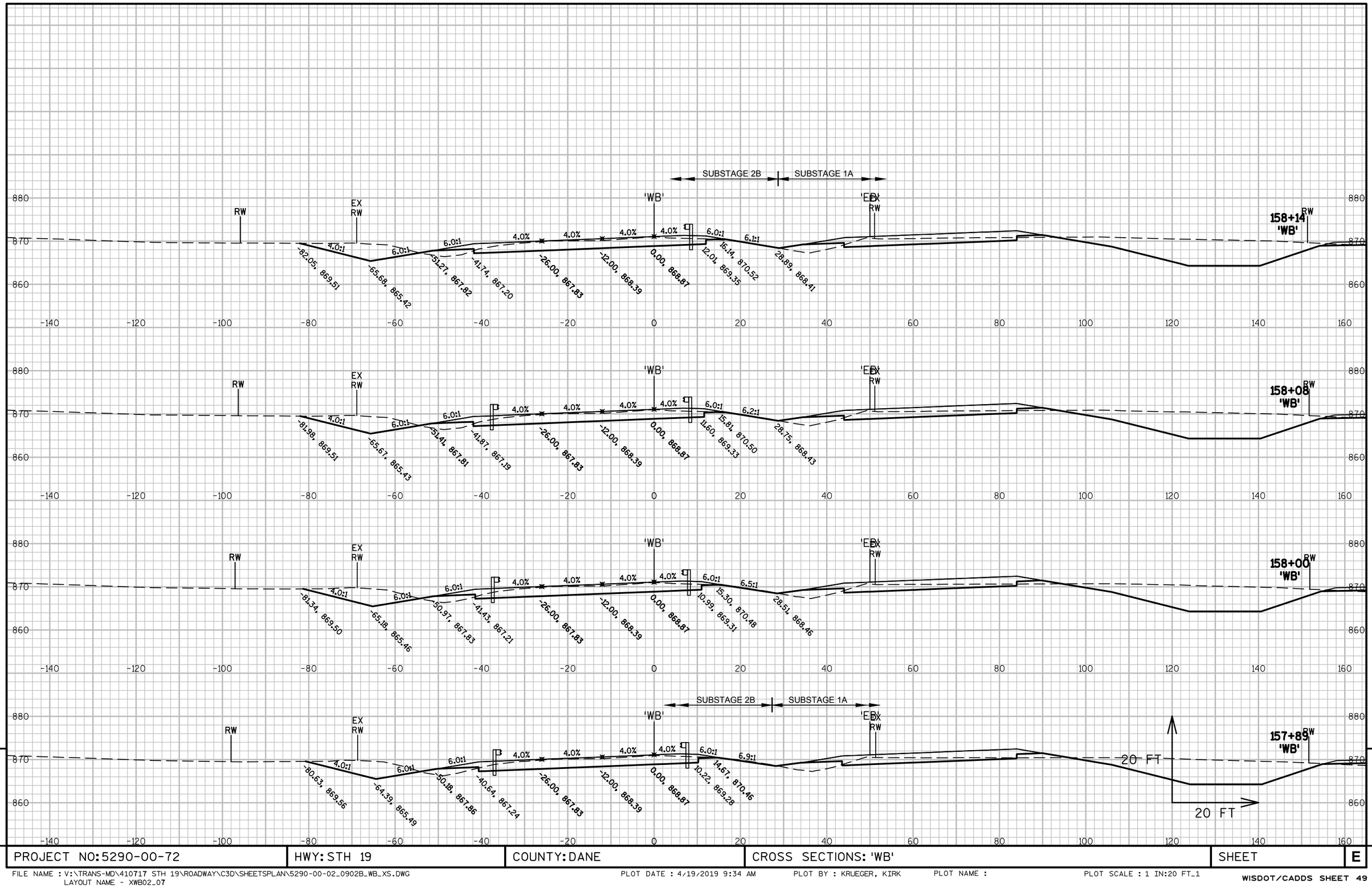
FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0902B_WB_XS.DWG
LAYOUT NAME - XWB02_05
PLOT DATE : 4/19/2019 9:34 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:20 FT_1
WISDOT/CADDS SHEET 49



PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: 'WB'	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0902B_WB_XS.DWG
LAYOUT NAME - XWB02_06

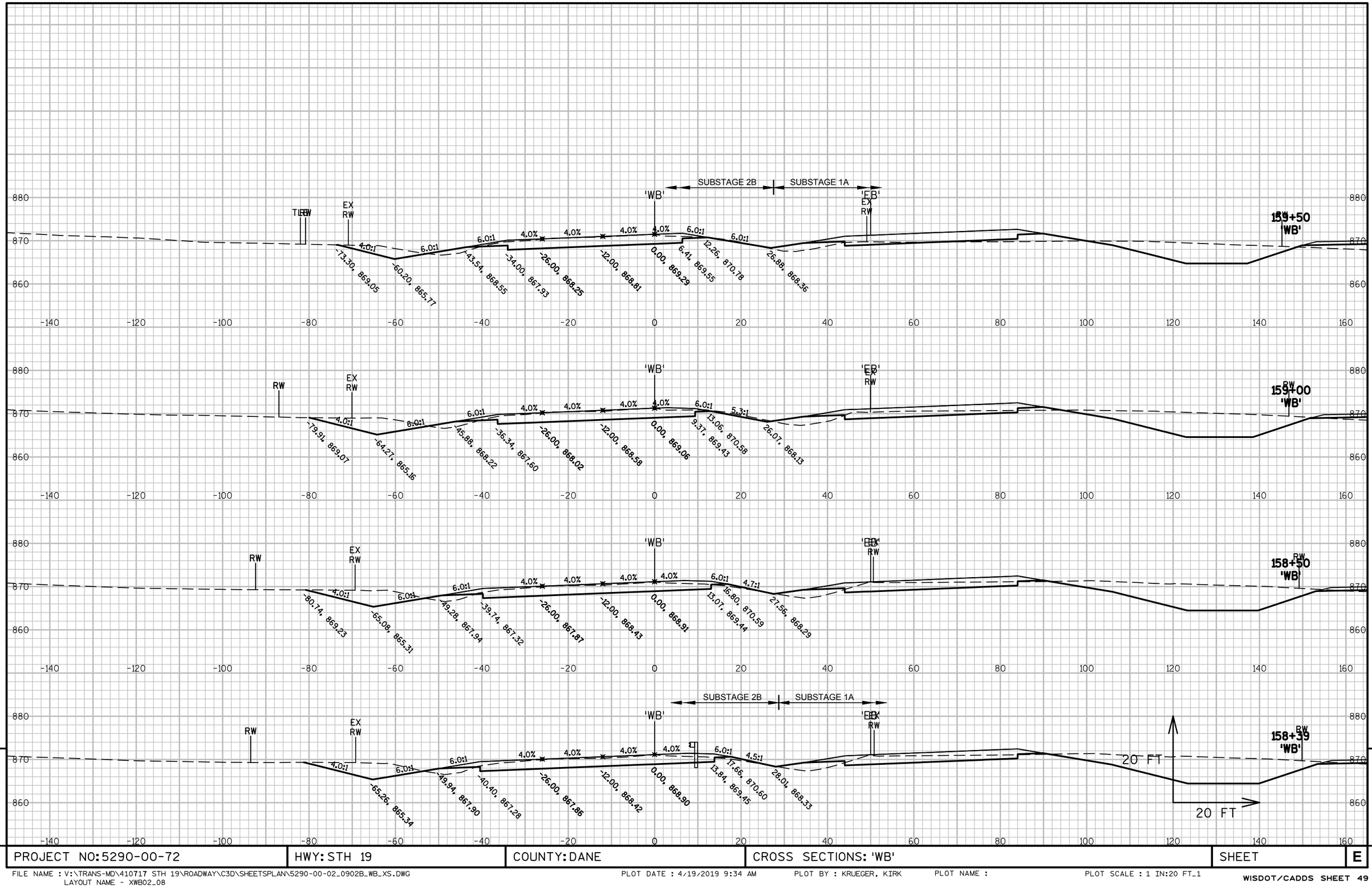
PLOT DATE : 4/19/2019 9:34 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:20 FT_1



PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: 'WB'	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0902B_WB_XS.DWG
LAYOUT NAME - XWB02_07

PLOT DATE : 4/19/2019 9:34 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:20 FT_1



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PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: 'WB'	SHEET	E

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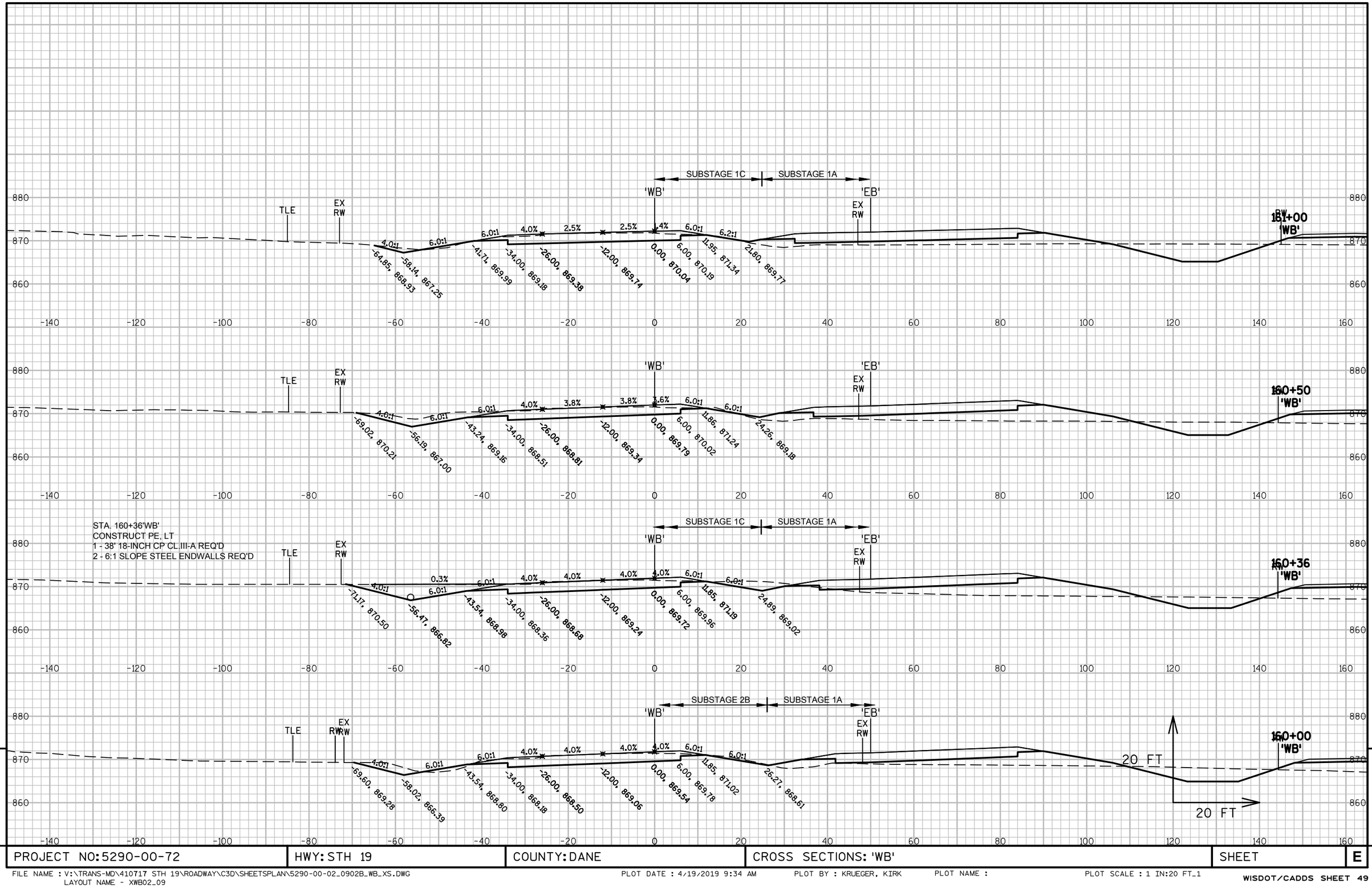
FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0902B_WB_XS.DWG
LAYOUT NAME - XWB02_08

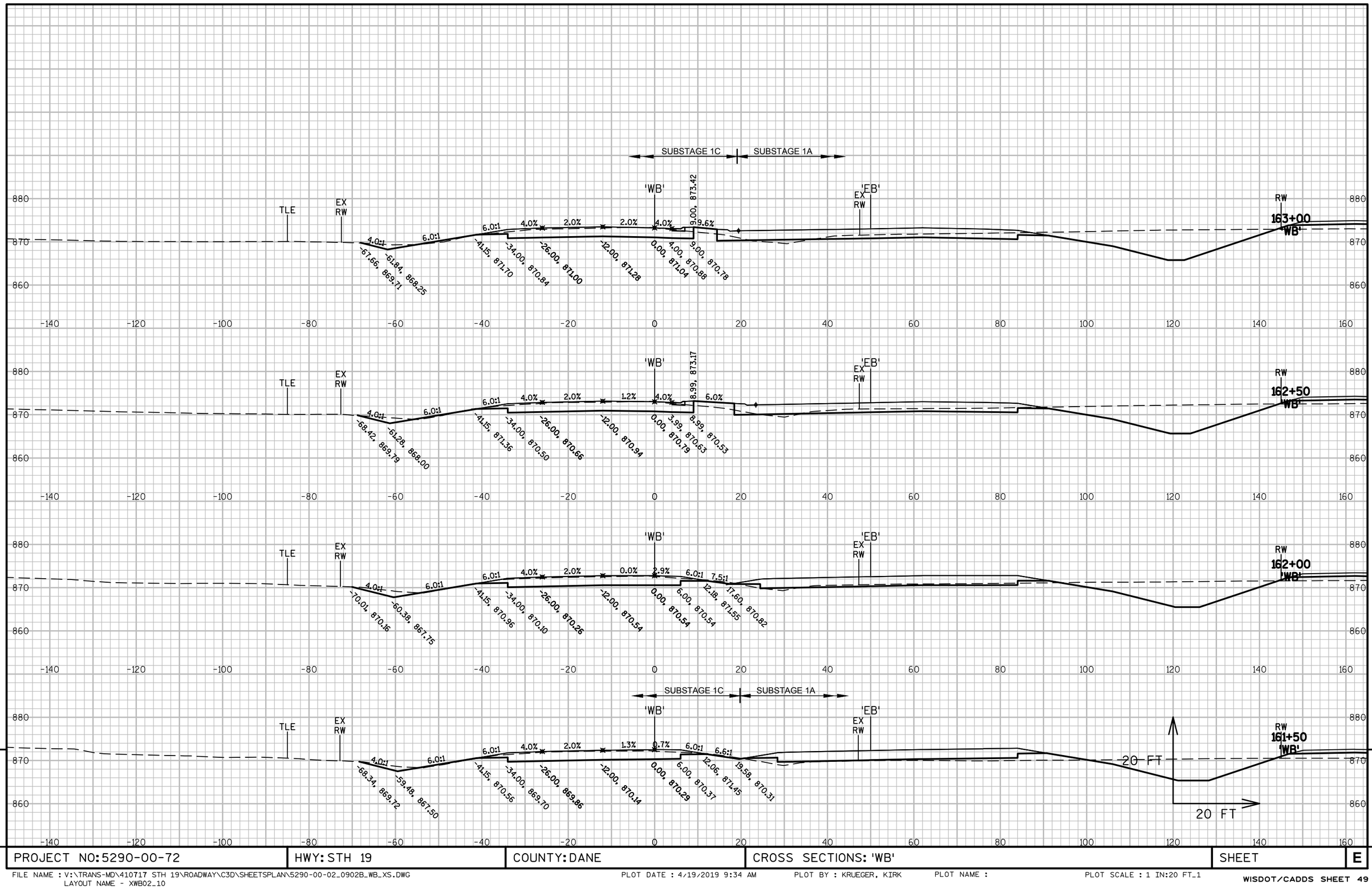
PLOT DATE : 4/19/2019 9:34 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:20 FT_1



PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: 'WB'	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0902B_WB_XS.DWG
LAYOUT NAME - XWB02_09

PLOT DATE : 4/19/2019 9:34 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:20 FT_1



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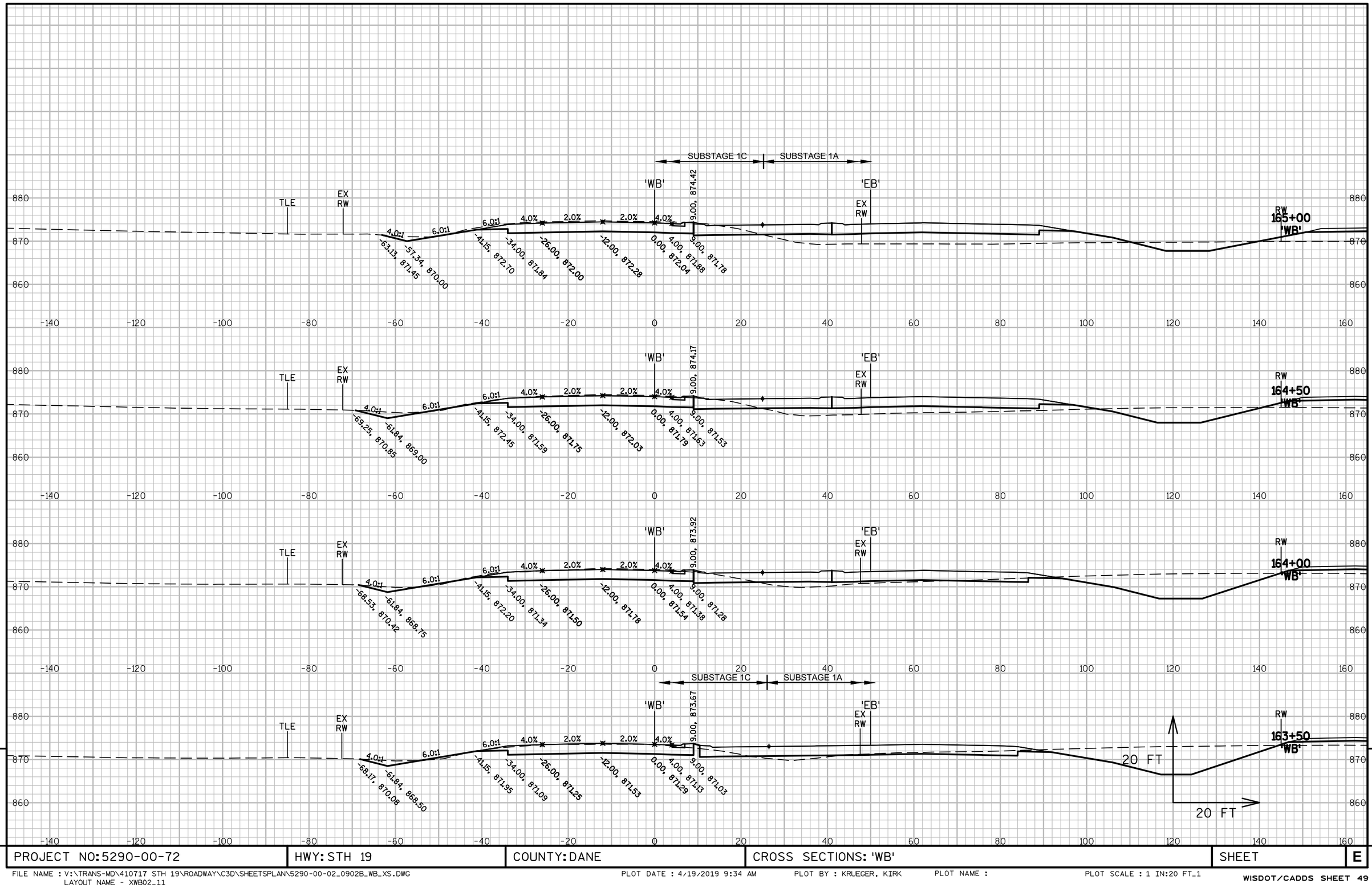
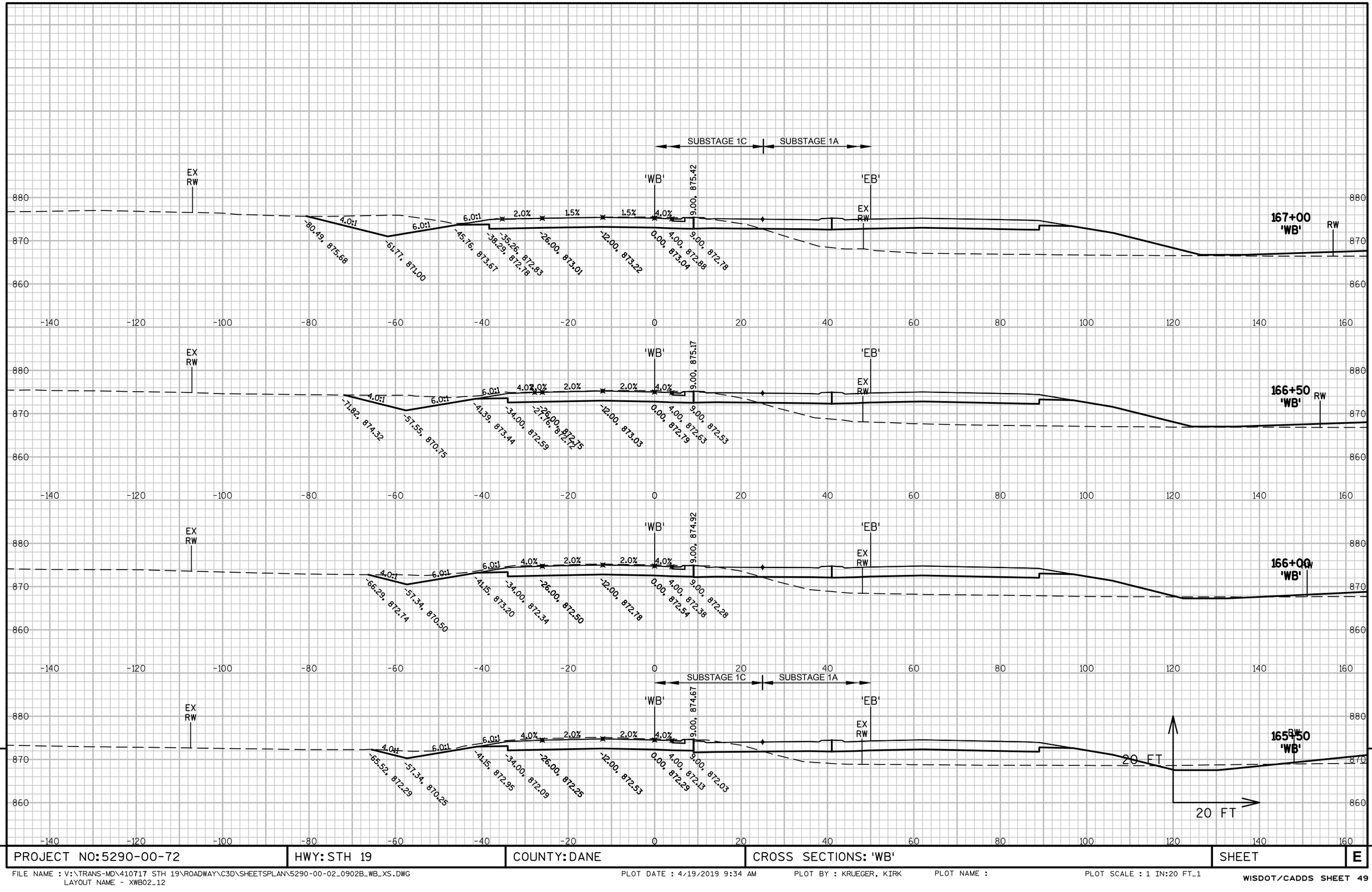
PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: 'WB'	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0902B_WB_XS.DWG
LAYOUT NAME - XWB02_10
PLOT DATE : 4/19/2019 9:34 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:20 FT_1



PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: 'WB'	SHEET	E

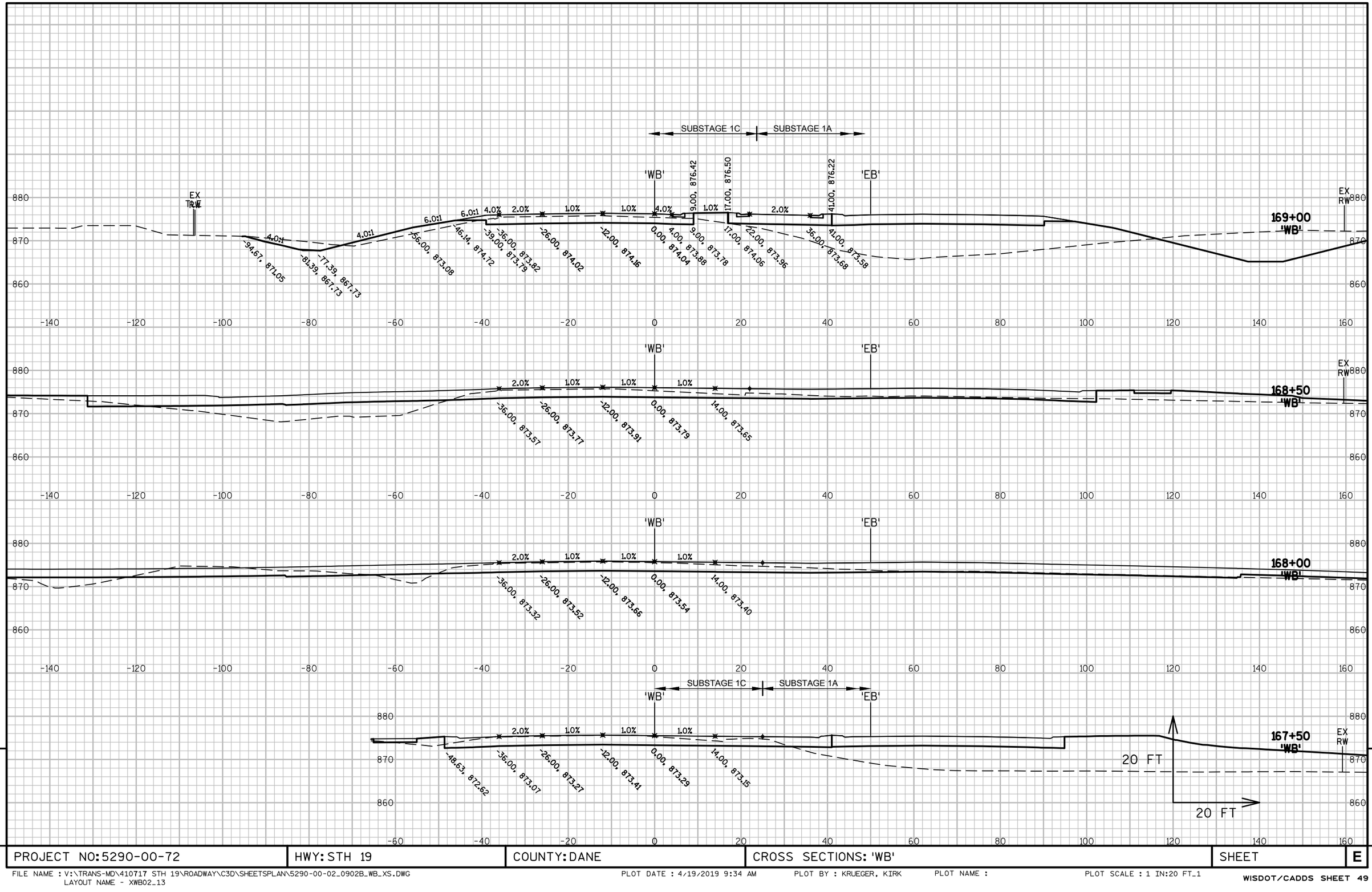
FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0902B_WB_XS.DWG
LAYOUT NAME - XWB02_11
PLOT DATE : 4/19/2019 9:34 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:20 FT_1



PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: 'WB'	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0902B_WB_XS.DWG
LAYOUT NAME - XWB02_12

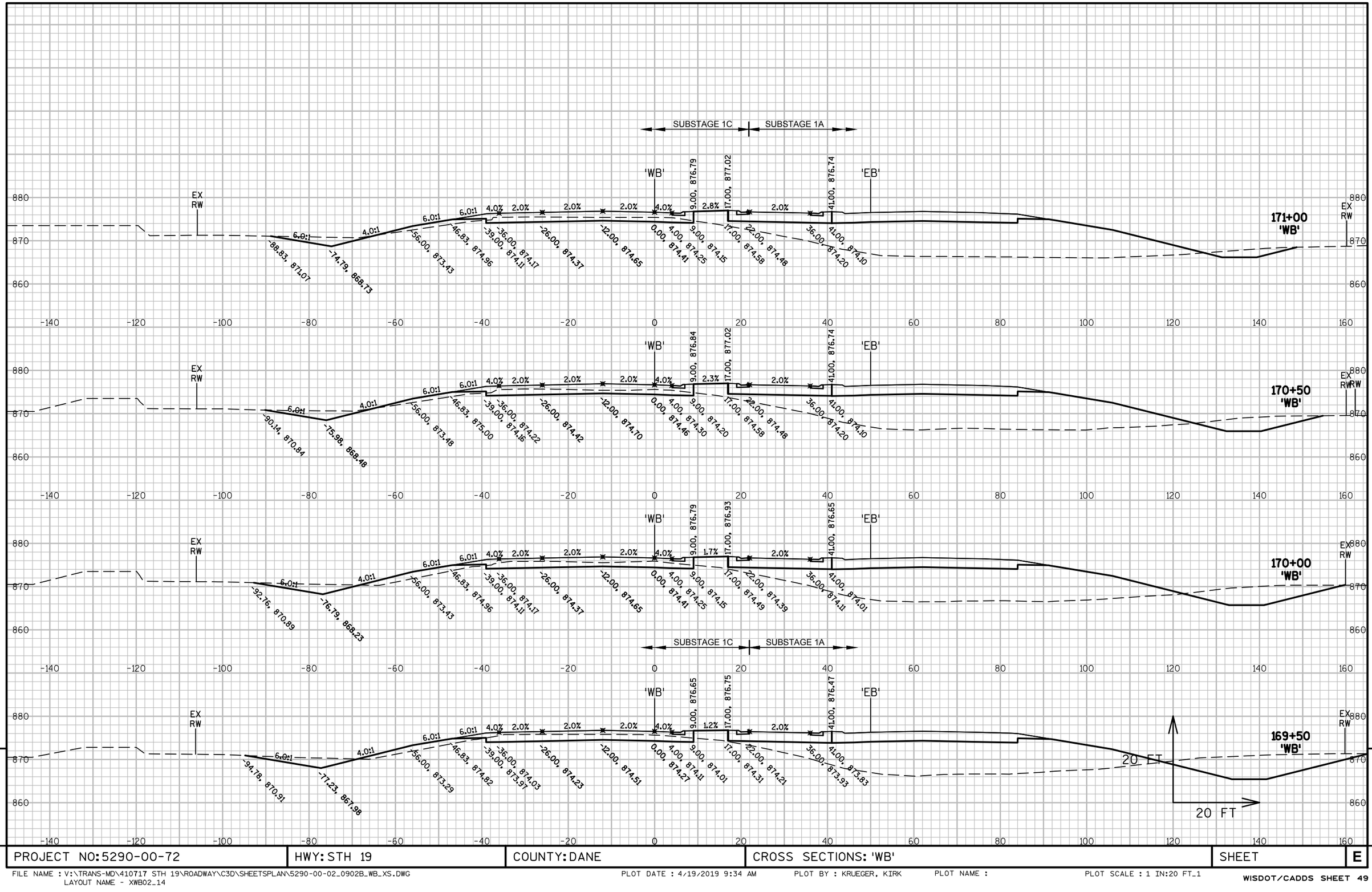
PLOT DATE : 4/19/2019 9:34 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:20 FT_1



PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: 'WB'	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0902B_WB_XS.DWG
LAYOUT NAME - XWB02_13

PLOT DATE : 4/19/2019 9:34 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:20 FT_1



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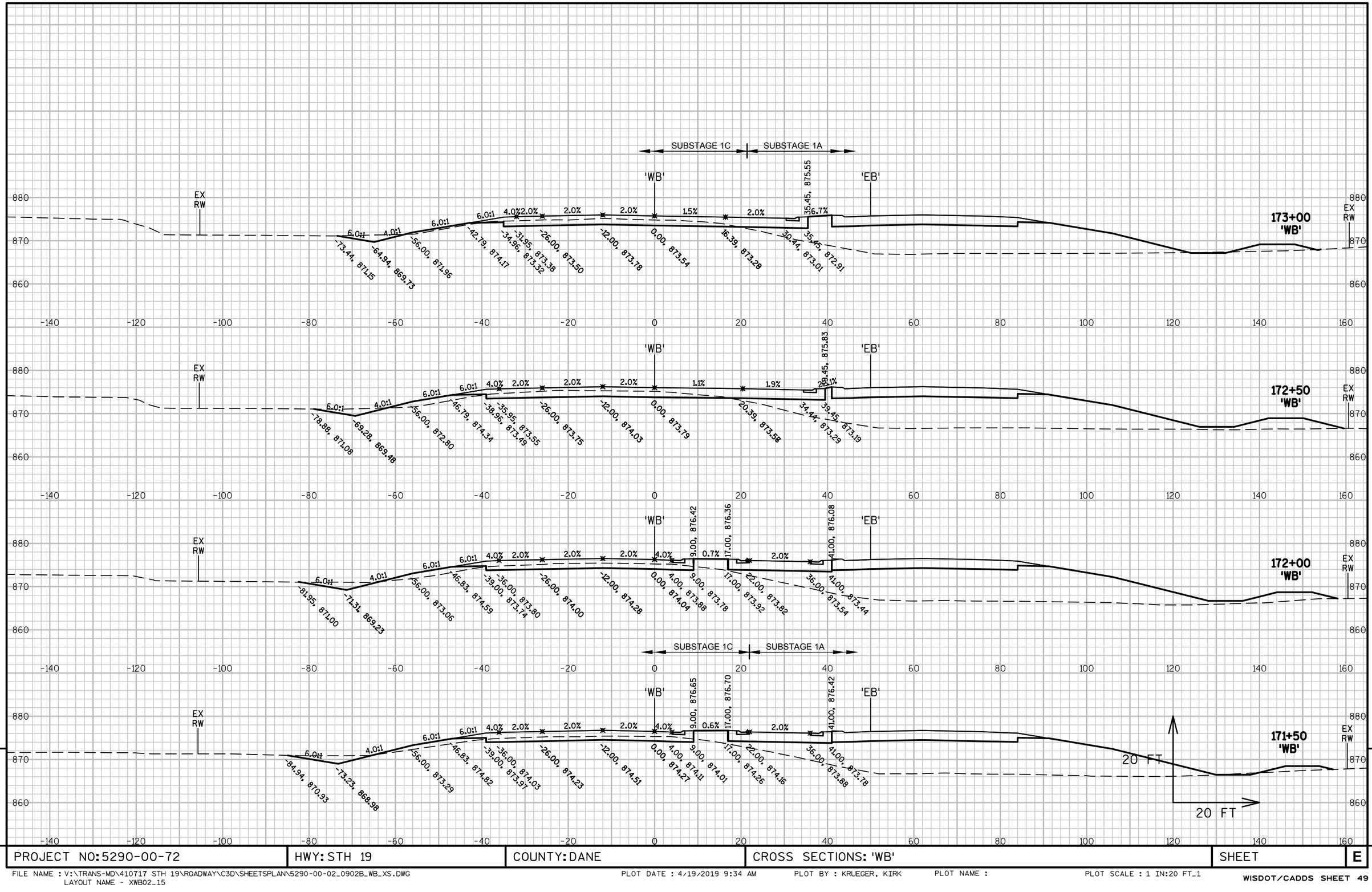
PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: 'WB'	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0902B_WB_XS.DWG
LAYOUT NAME - XWB02_14
PLOT DATE : 4/19/2019 9:34 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:20 FT_1
WISDOT/CADDS SHEET 49



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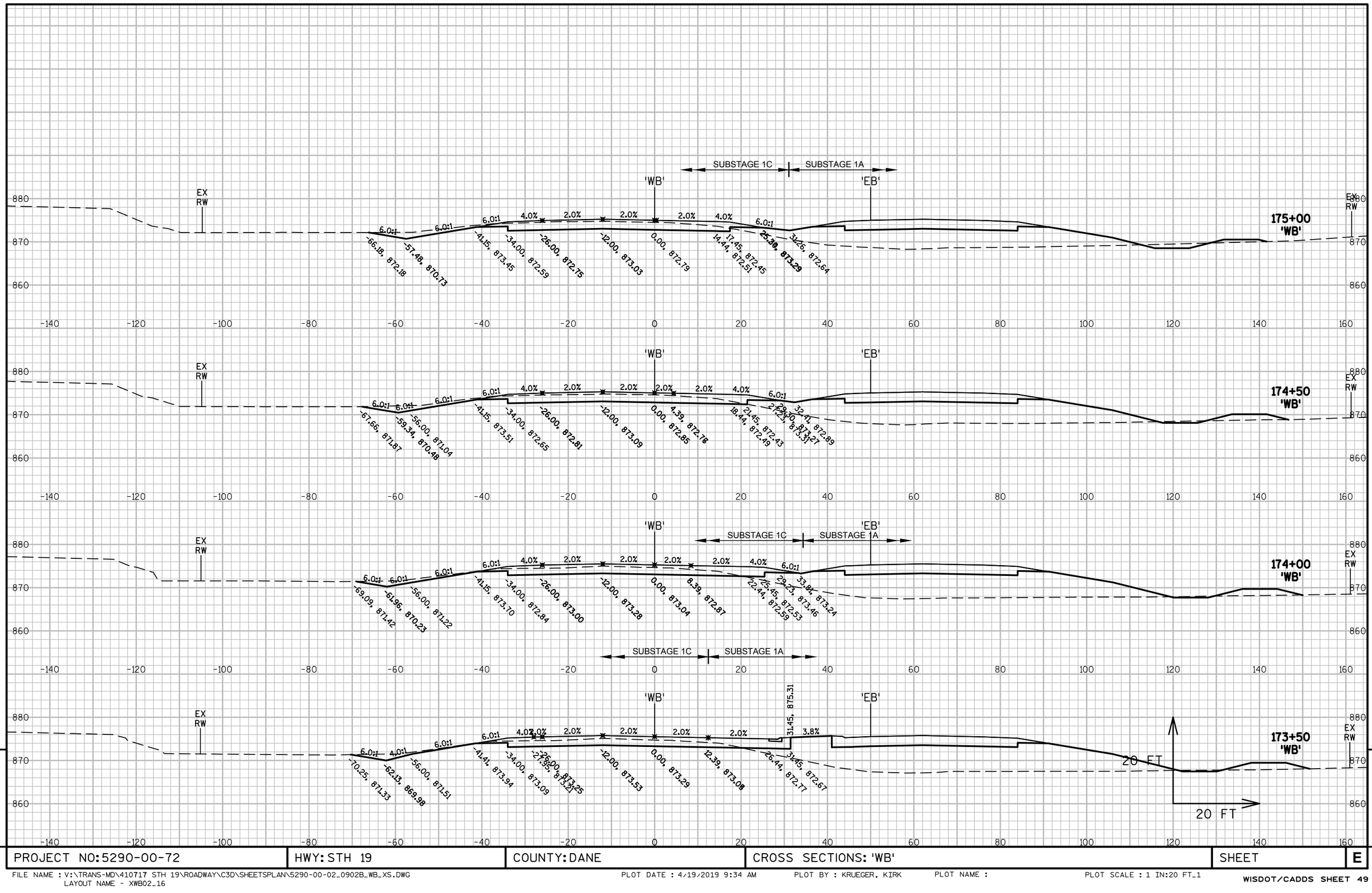
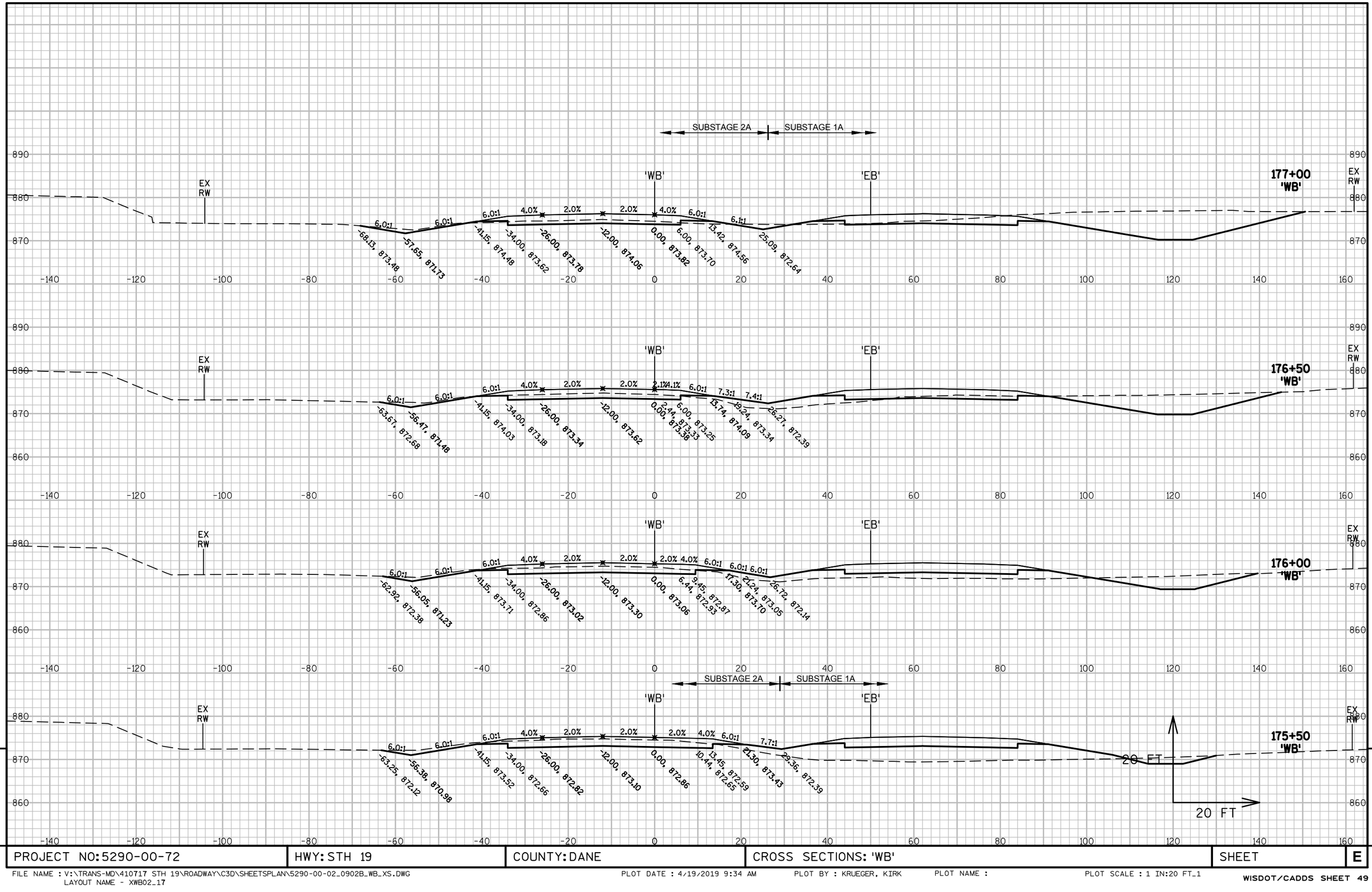
PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: 'WB'	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0902B_WB_XS.DWG
LAYOUT NAME - XWB02_15

PLOT DATE : 4/19/2019 9:34 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:20 FT_1



PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: 'WB'	SHEET	E



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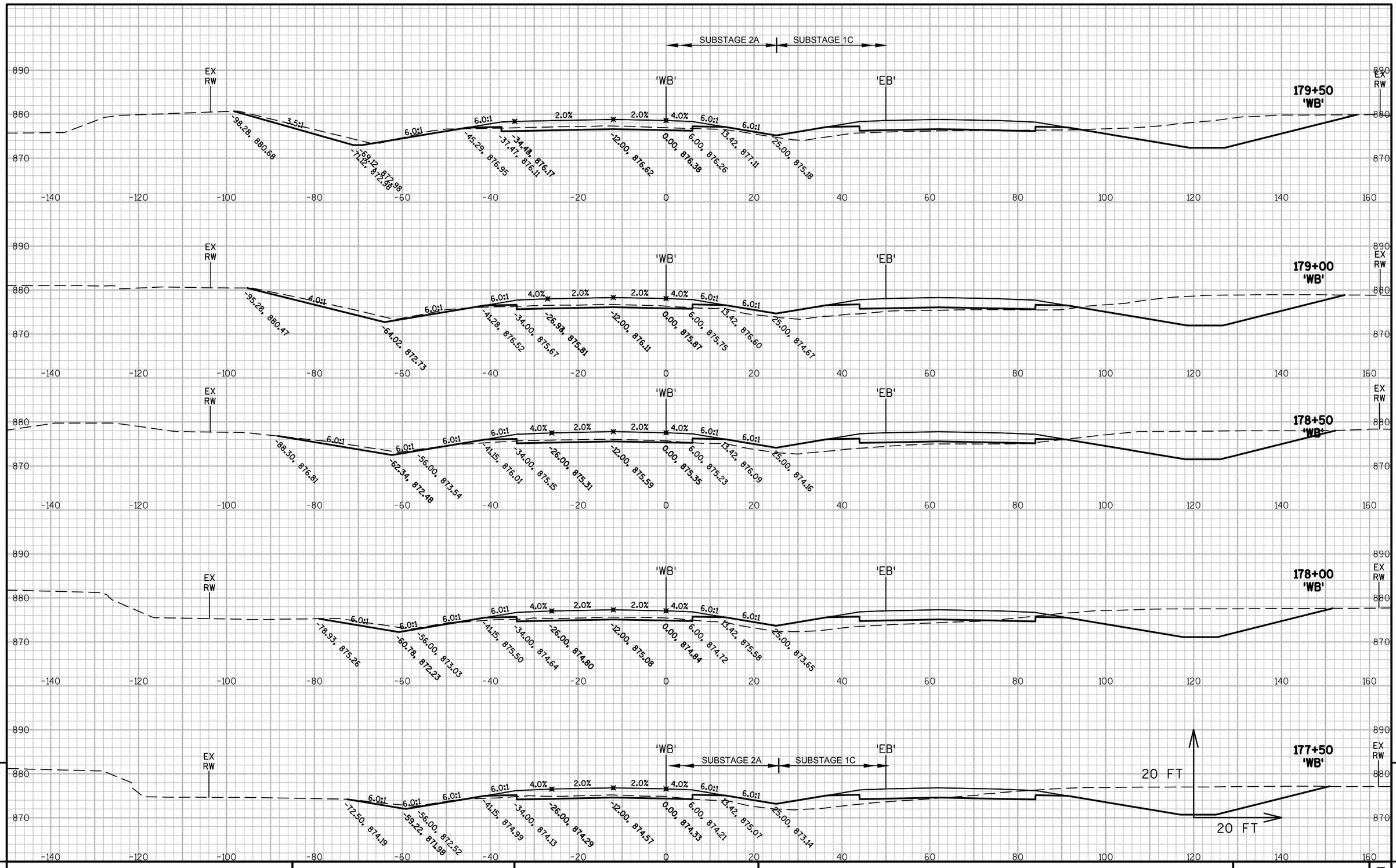
PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: 'WB'	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0902B_WB_XS.DWG
LAYOUT NAME - XWB02_17

PLOT DATE : 4/19/2019 9:34 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:20 FT_1



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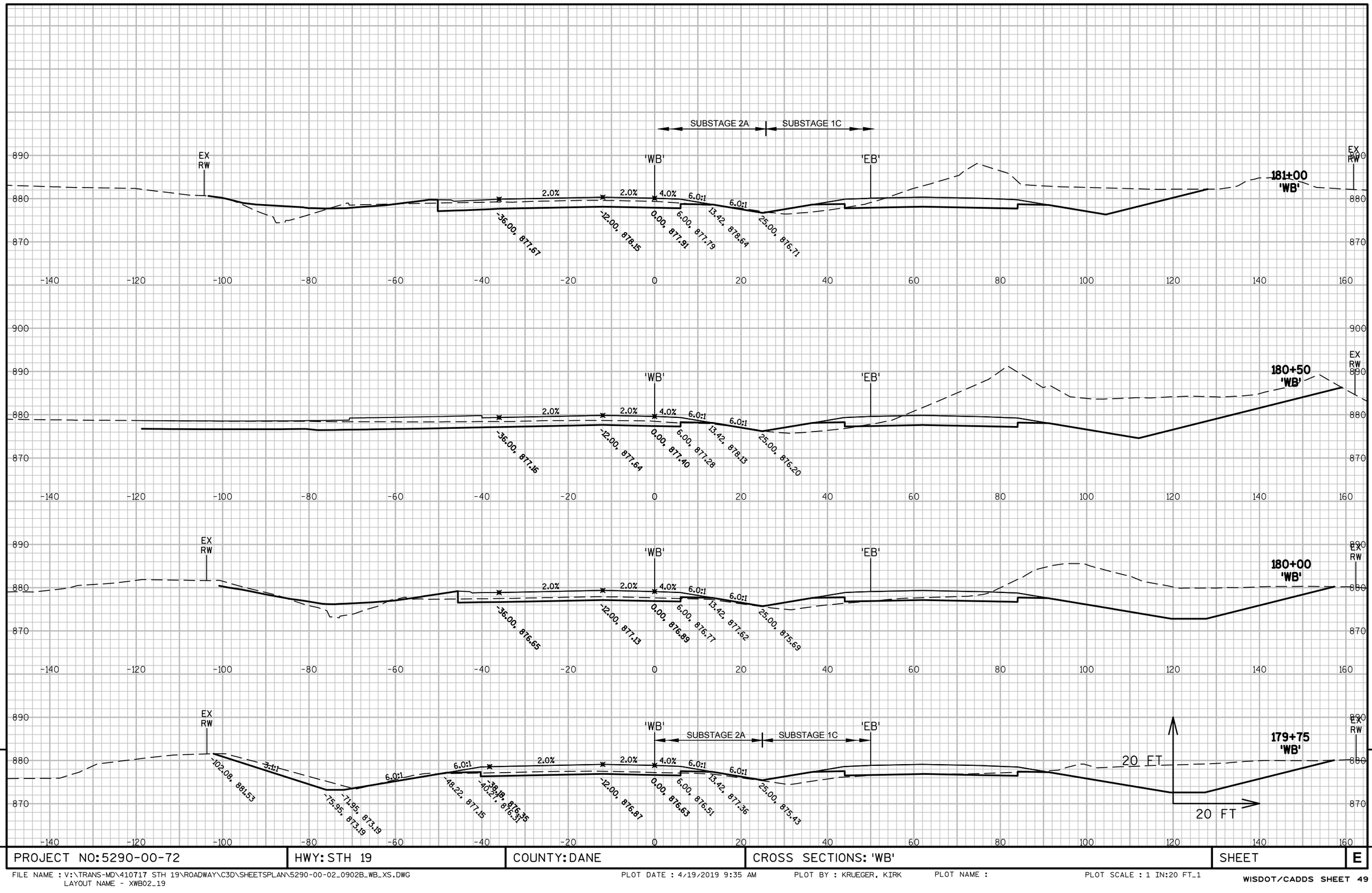
PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: 'WB'	SHEET	E

9

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0902B_WB_XS.DWG
LAYOUT NAME - XWB02_18

PLOT DATE : 4/19/2019 9:35 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:20 FT_1



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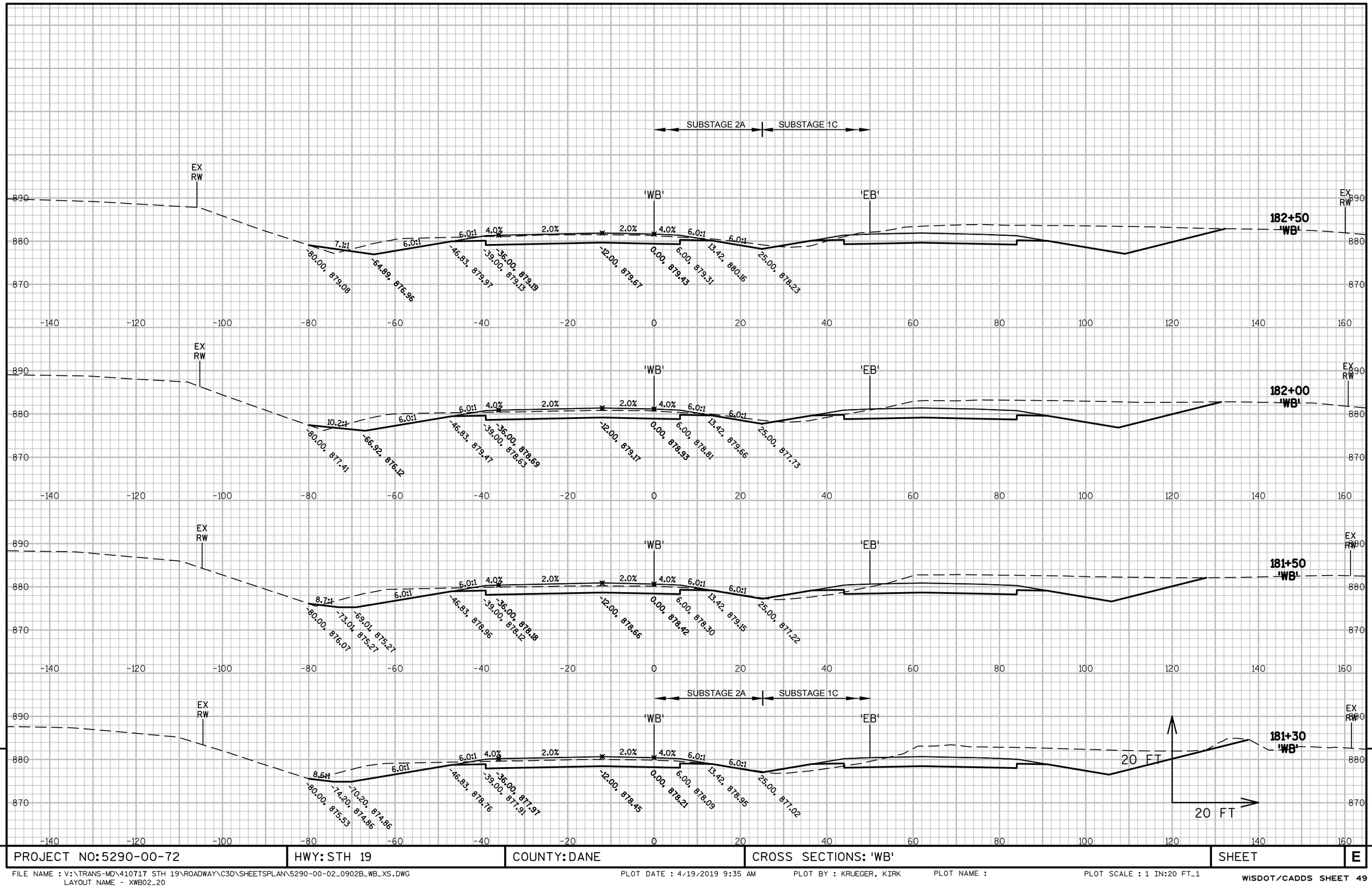
PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: 'WB'	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0902B_WB_XS.DWG
LAYOUT NAME - XWB02_19
PLOT DATE : 4/19/2019 9:35 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:20 FT_1



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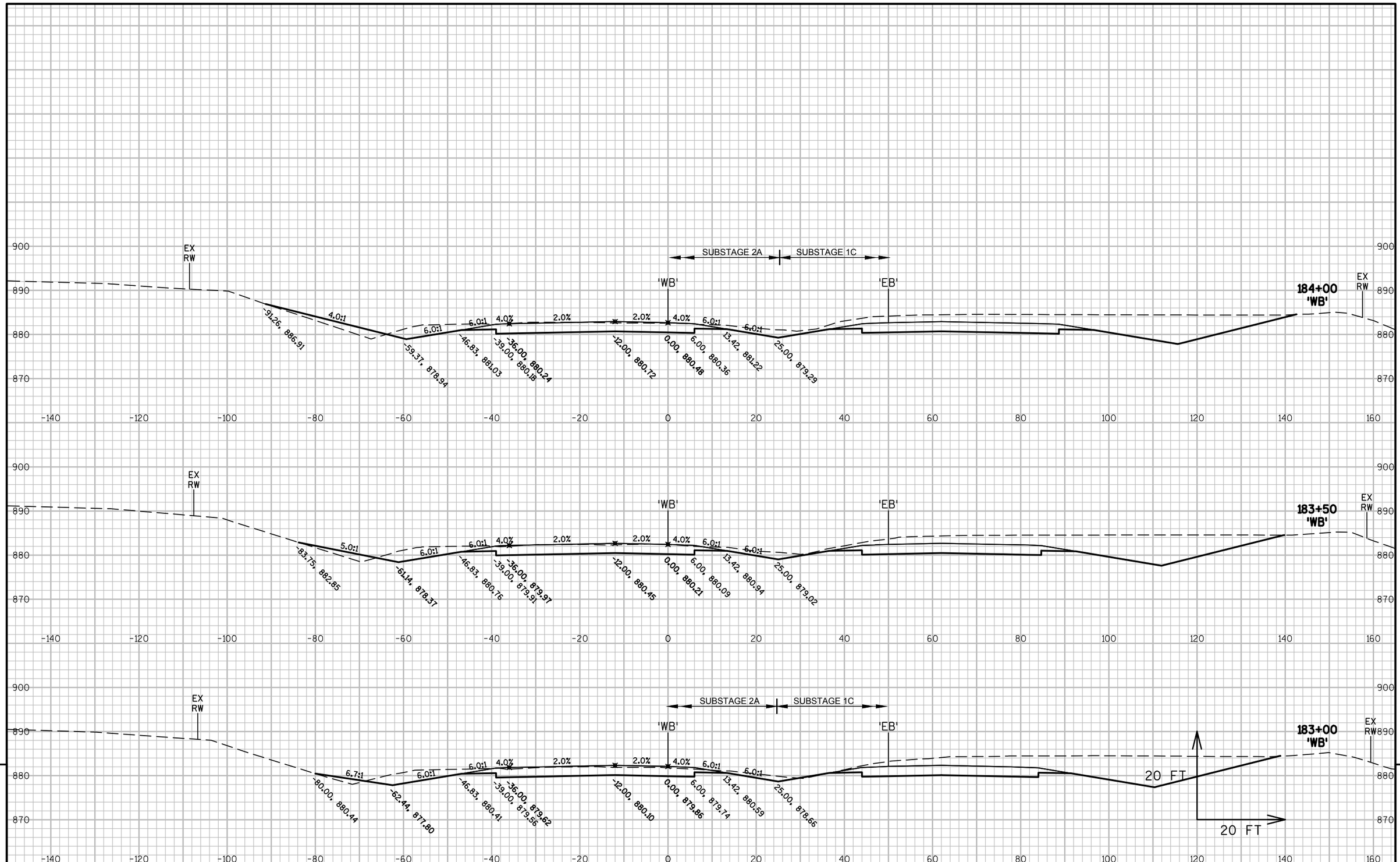
PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: 'WB'	SHEET	E

9

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0902B_WB_XS.DWG
LAYOUT NAME - XWB02_20
PLOT DATE : 4/19/2019 9:35 AM
PLOT BY : KRUEGER, KIRK
PLOT NAME :
PLOT SCALE : 1 IN:20 FT_1



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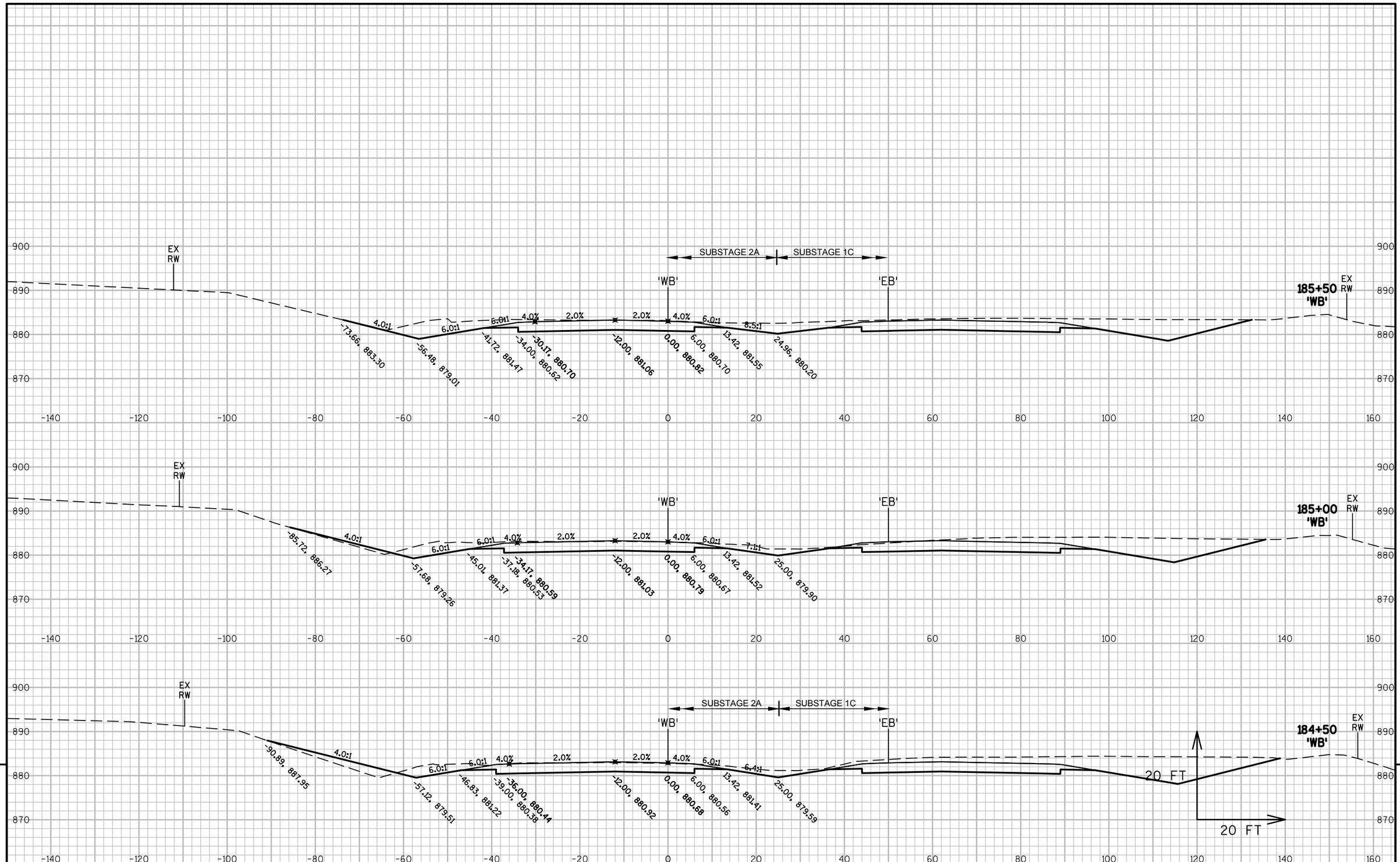
PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: 'WB'	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0902B_WB_XS.DWG
LAYOUT NAME - XWB02_21
PLOT DATE : 4/19/2019 9:35 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:20 FT_1
WISDOT/CADDS SHEET 49

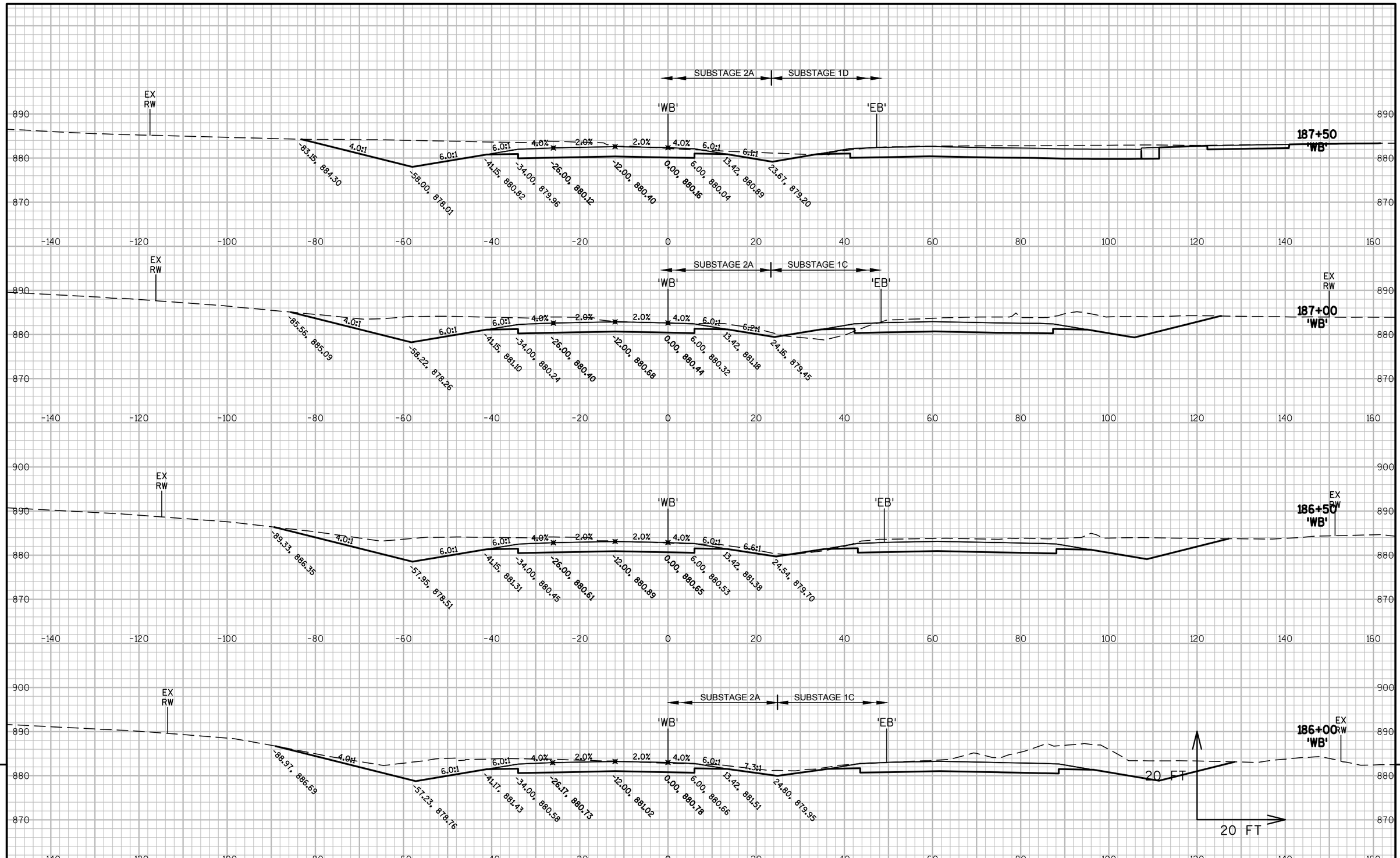


PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: 'WB'	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0902B_WB_XS.DWG
LAYOUT NAME - XWB02_22

PLOT DATE : 4/19/2019 9:35 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:20 FT_1

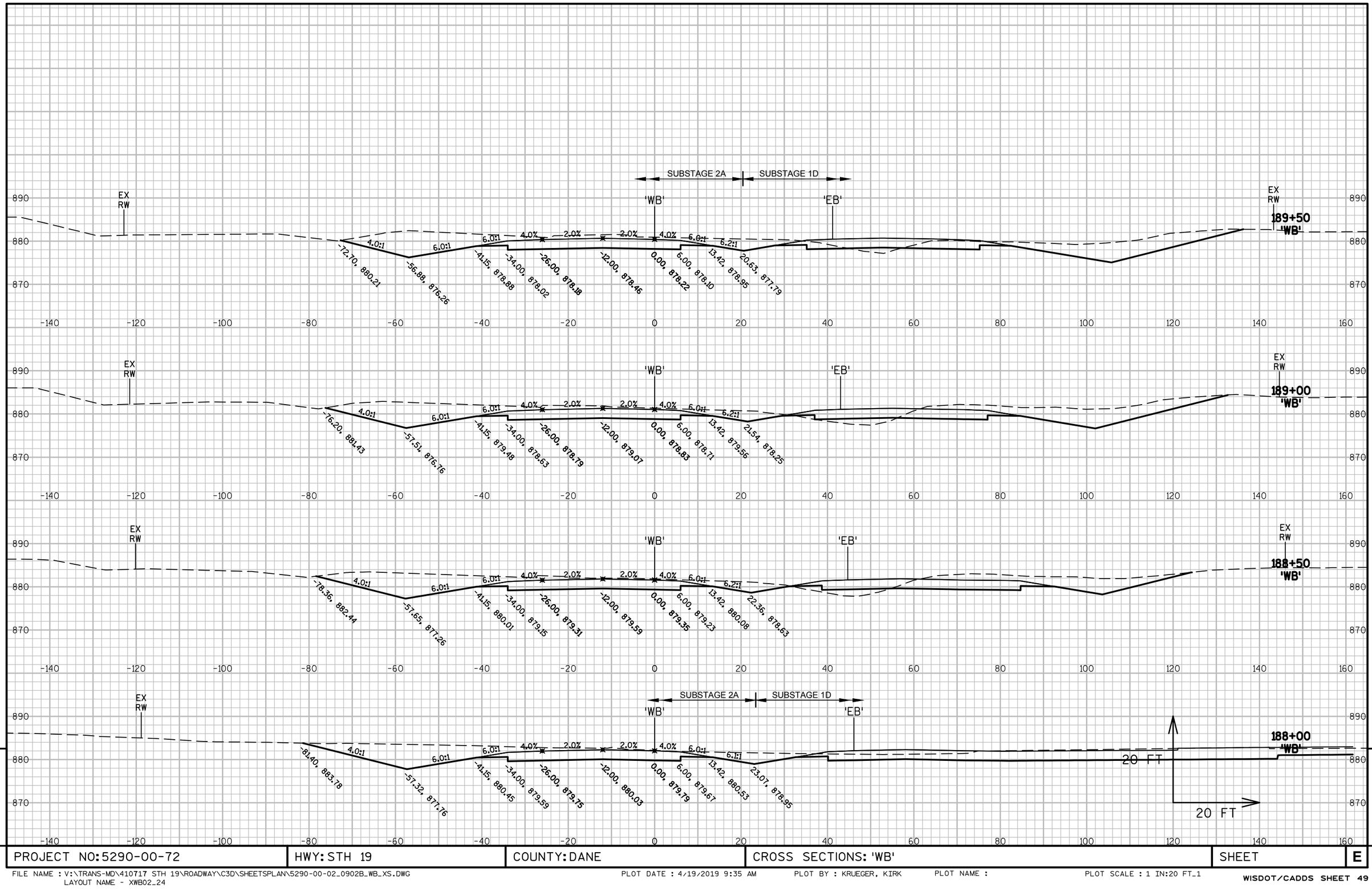
WISDOT/CADDS SHEET 49



PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: 'WB'	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0902B_WB_XS.DWG
LAYOUT NAME - XWB02_23

PLOT DATE : 4/19/2019 9:35 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:20 FT_1



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PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: 'WB'	SHEET	E

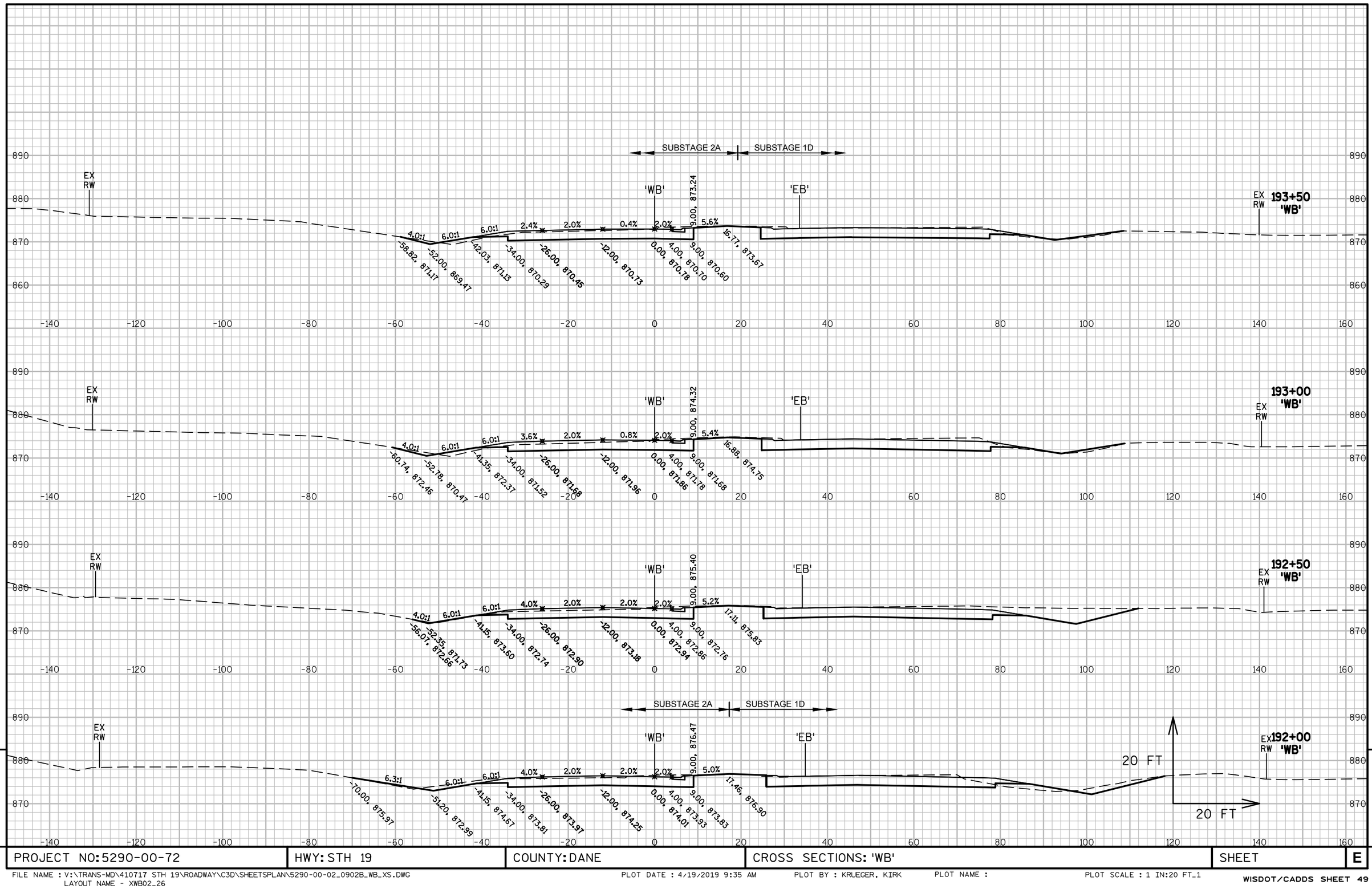
9

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: 'WB'	SHEET	E

9

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0902B_WB_XS.DWG
LAYOUT NAME - XWB02_25

PLOT DATE : 4/19/2019 9:35 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:20 FT_1



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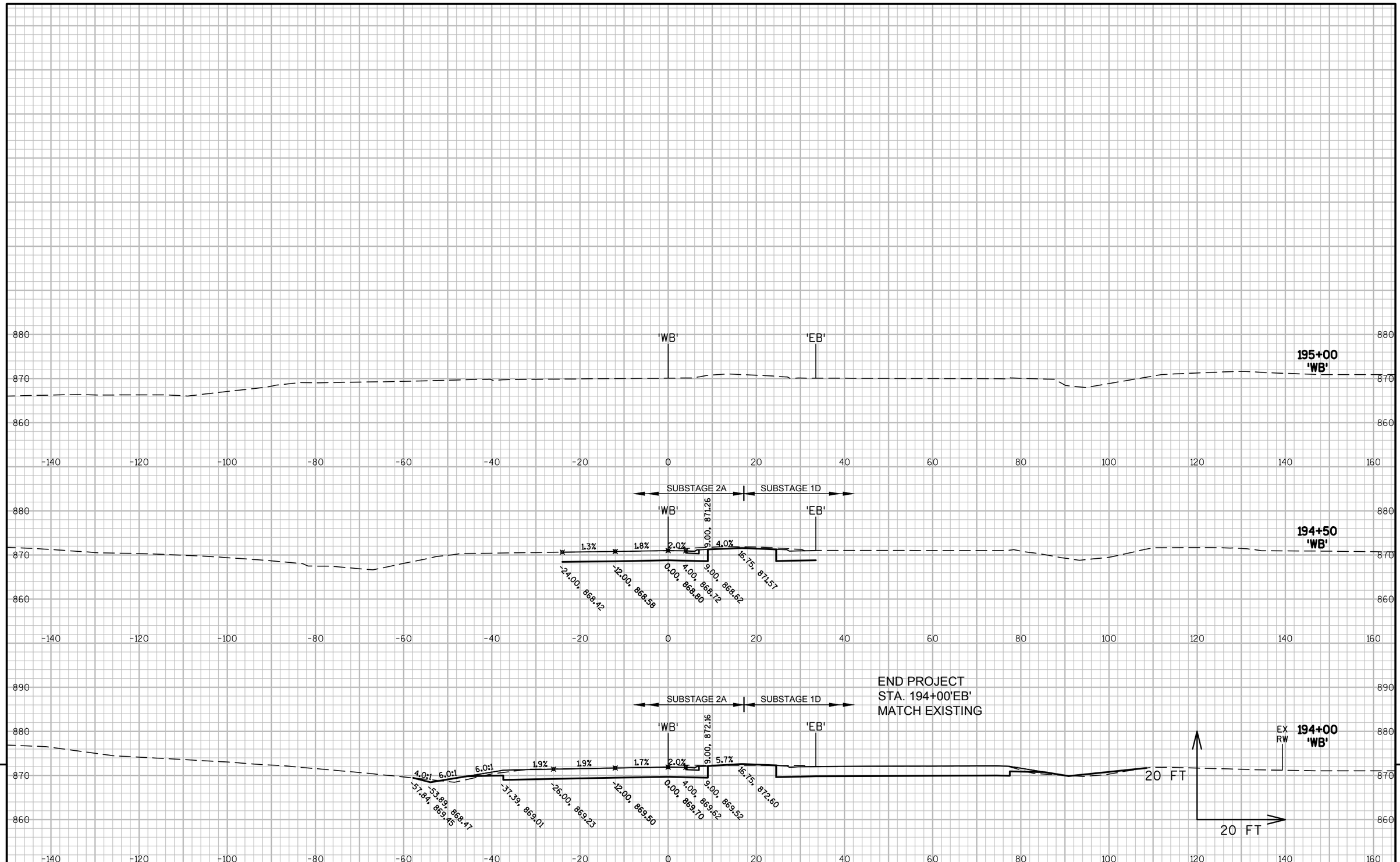
PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: 'WB'	SHEET	E

9

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0902B_WB_XS.DWG
LAYOUT NAME - XWB02_26

PLOT DATE : 4/19/2019 9:35 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:20 FT_1



PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: 'WB'	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0902B_WB_XS.DWG
LAYOUT NAME - XWB02_27

PLOT DATE : 4/19/2019 9:35 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:20 FT_1

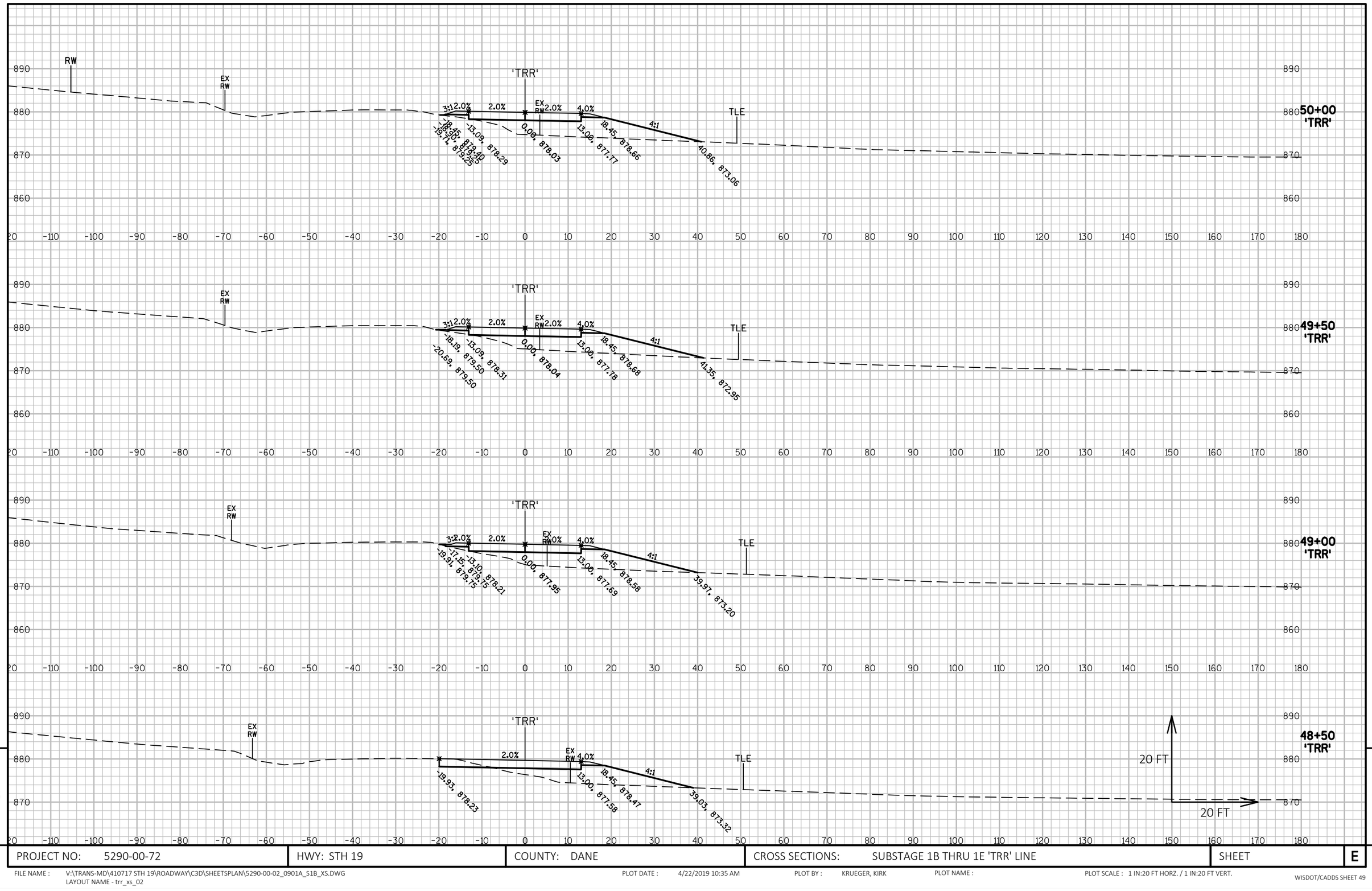
WISDOT/CADDS SHEET 49

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: SUBSTAGE 1B THRU 1E 'TRR' LINE	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0901A_S1B_XS.DWG
LAYOUT NAME - trr_xs_01

PLOT DATE : 4/22/2019 10:35 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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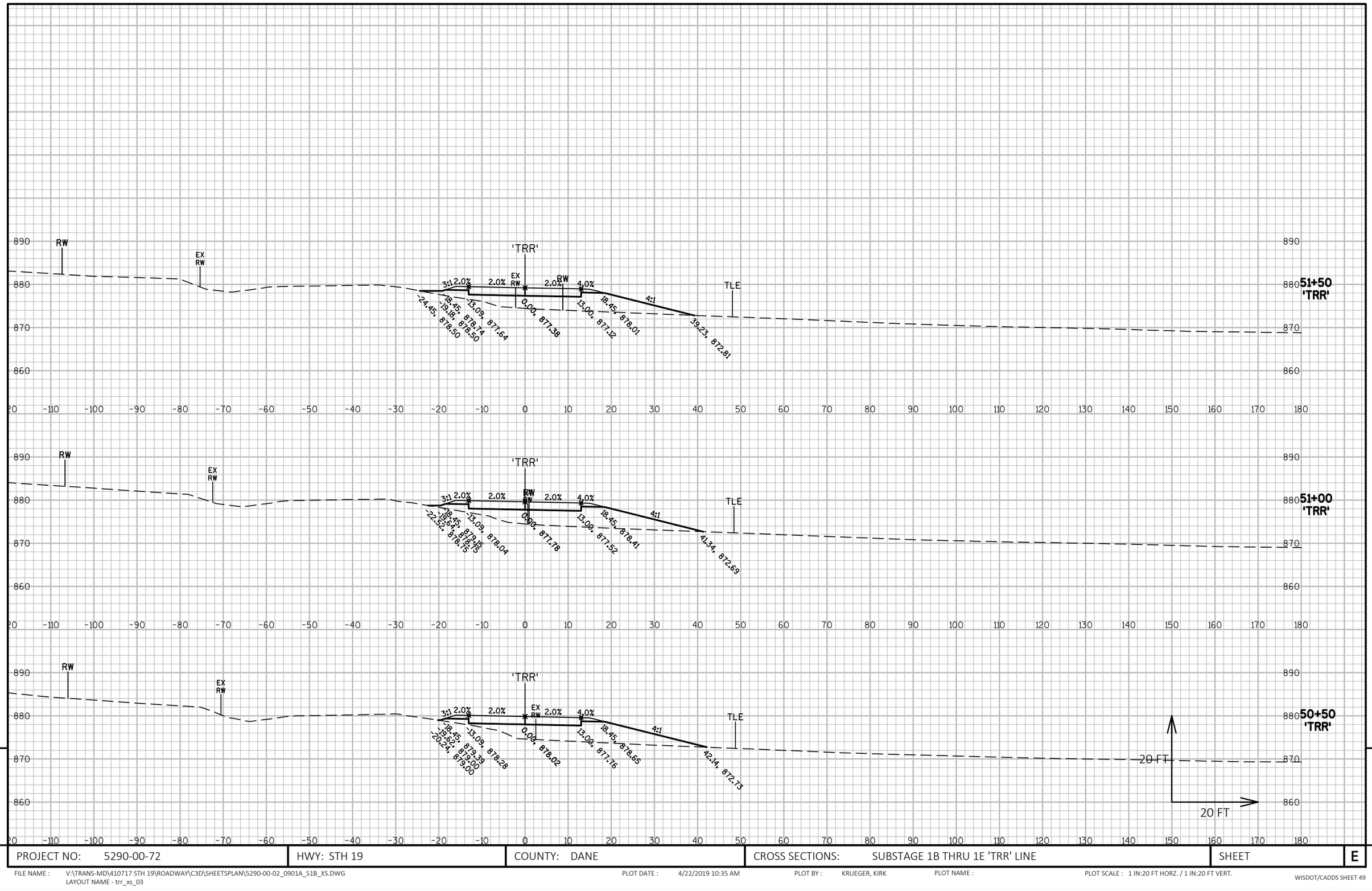
PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: SUBSTAGE 1B THRU 1E 'TRR' LINE	SHEET E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0901A_S1B_XS.DWG
LAYOUT NAME - trr_xs_02

PLOT DATE : 4/22/2019 10:35 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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9

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: SUBSTAGE 1B THRU 1E 'TRR' LINE	SHEET	E

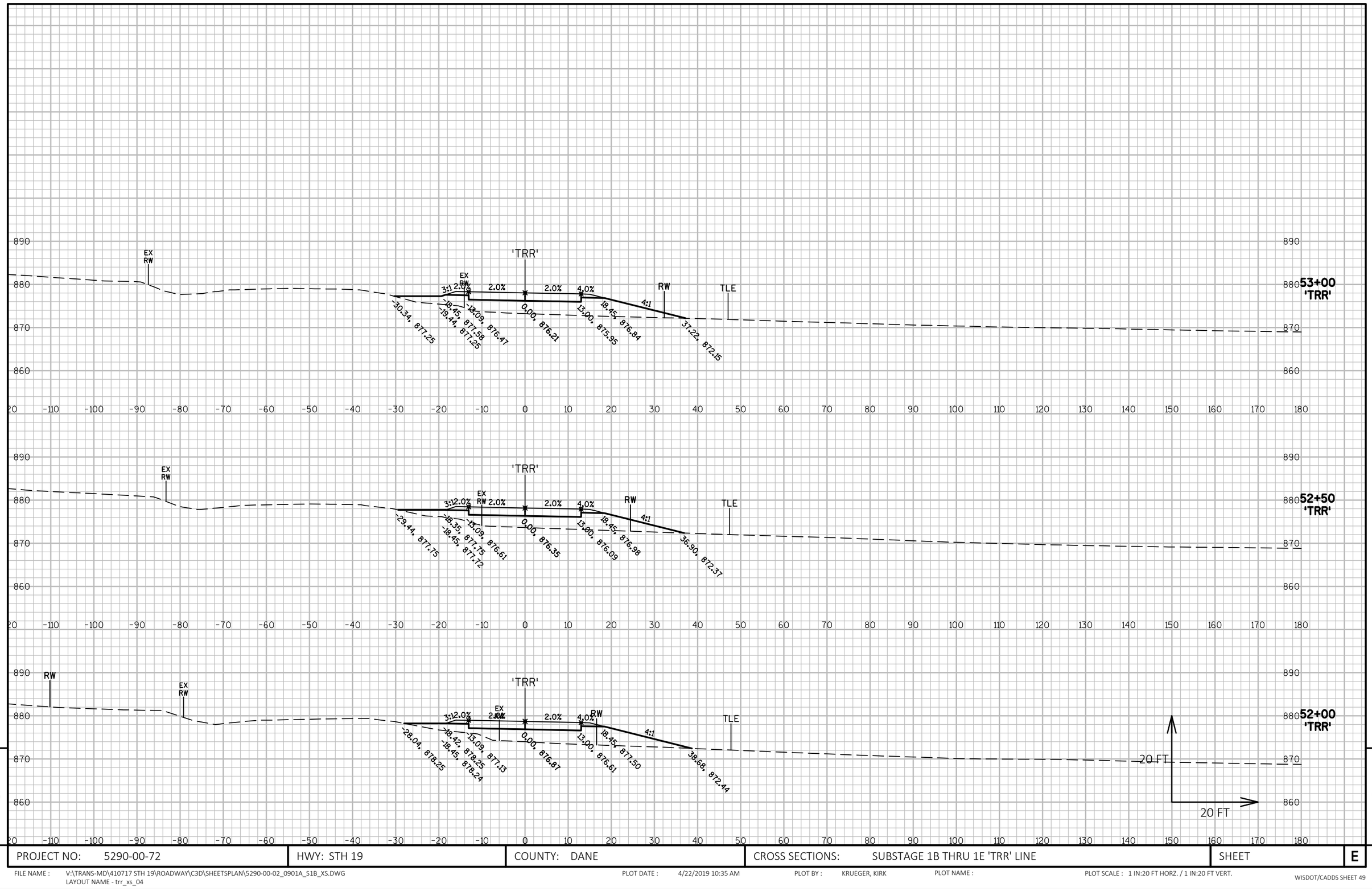
FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0901A_S1B_XS.DWG
LAYOUT NAME - trr_xs_03

PLOT DATE : 4/22/2019 10:35 AM

PLOT BY : KRUEGER, KIRK

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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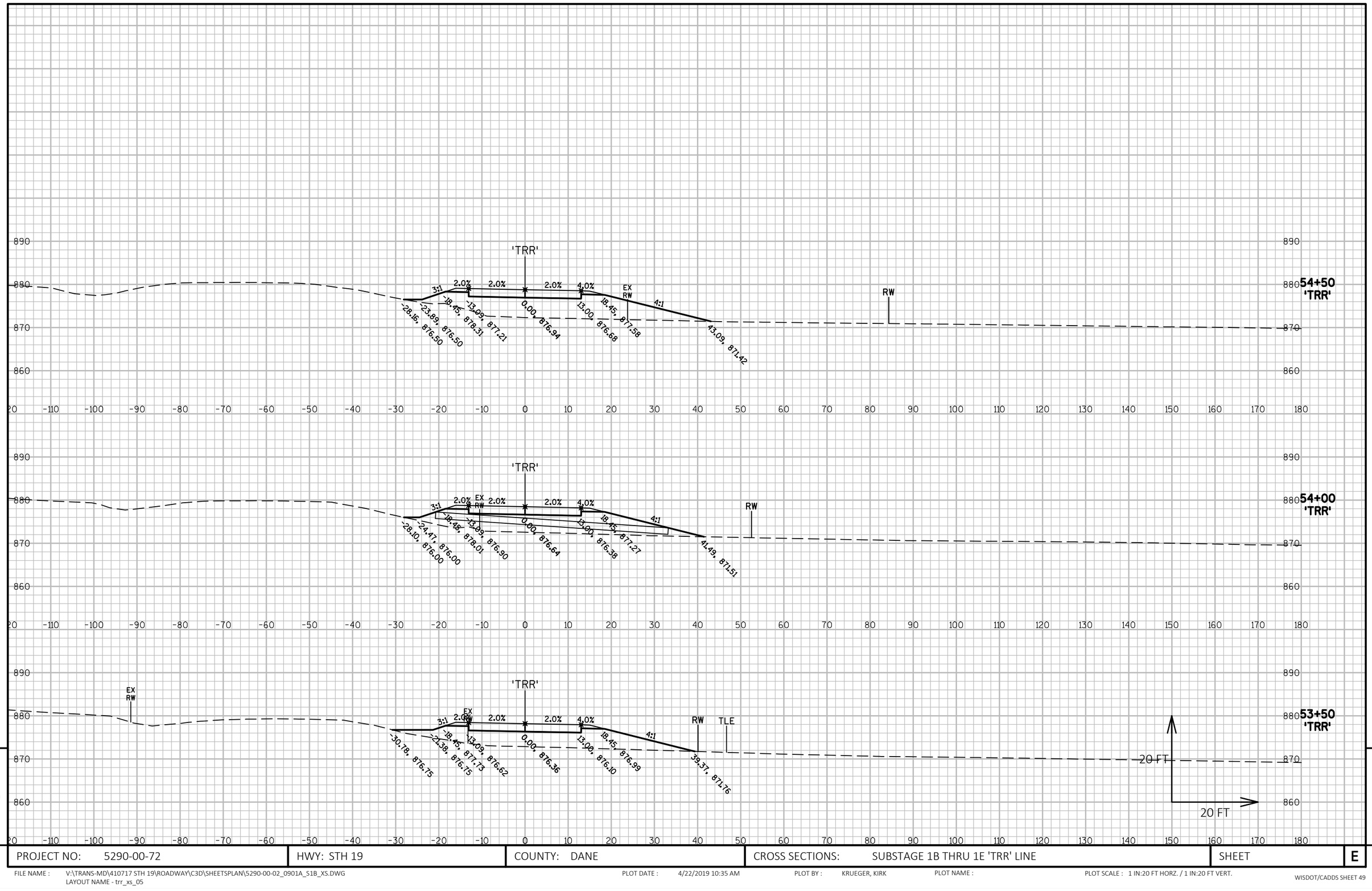
PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: SUBSTAGE 1B THRU 1E 'TRR' LINE	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0901A_S1B_XS.DWG
LAYOUT NAME - trr_xs_04

PLOT DATE : 4/22/2019 10:35 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

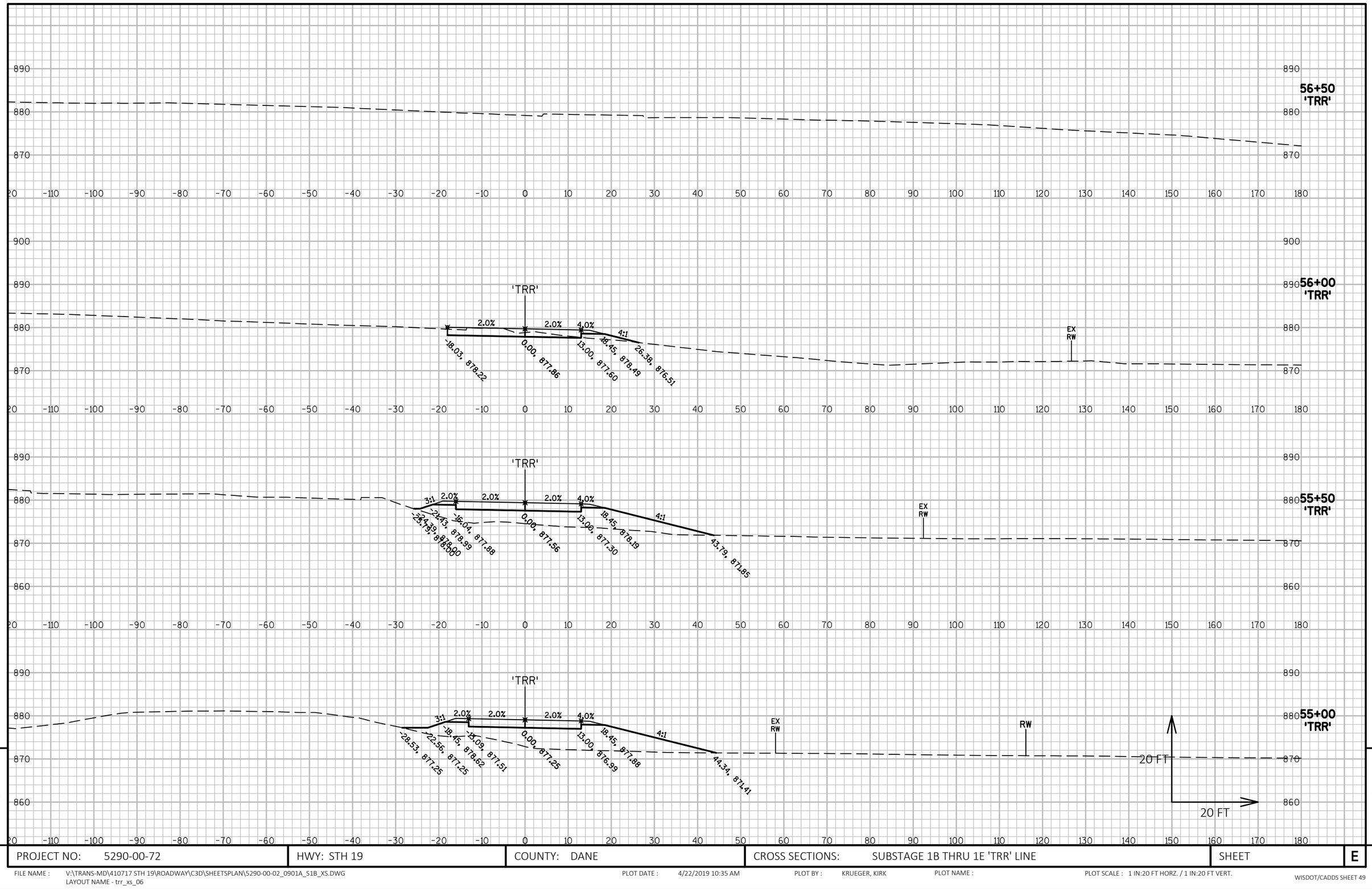


PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: SUBSTAGE 1B THRU 1E 'TRR' LINE	SHEET E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0901A_S1B_XS.DWG
LAYOUT NAME - trr_xs_05

PLOT DATE : 4/22/2019 10:35 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

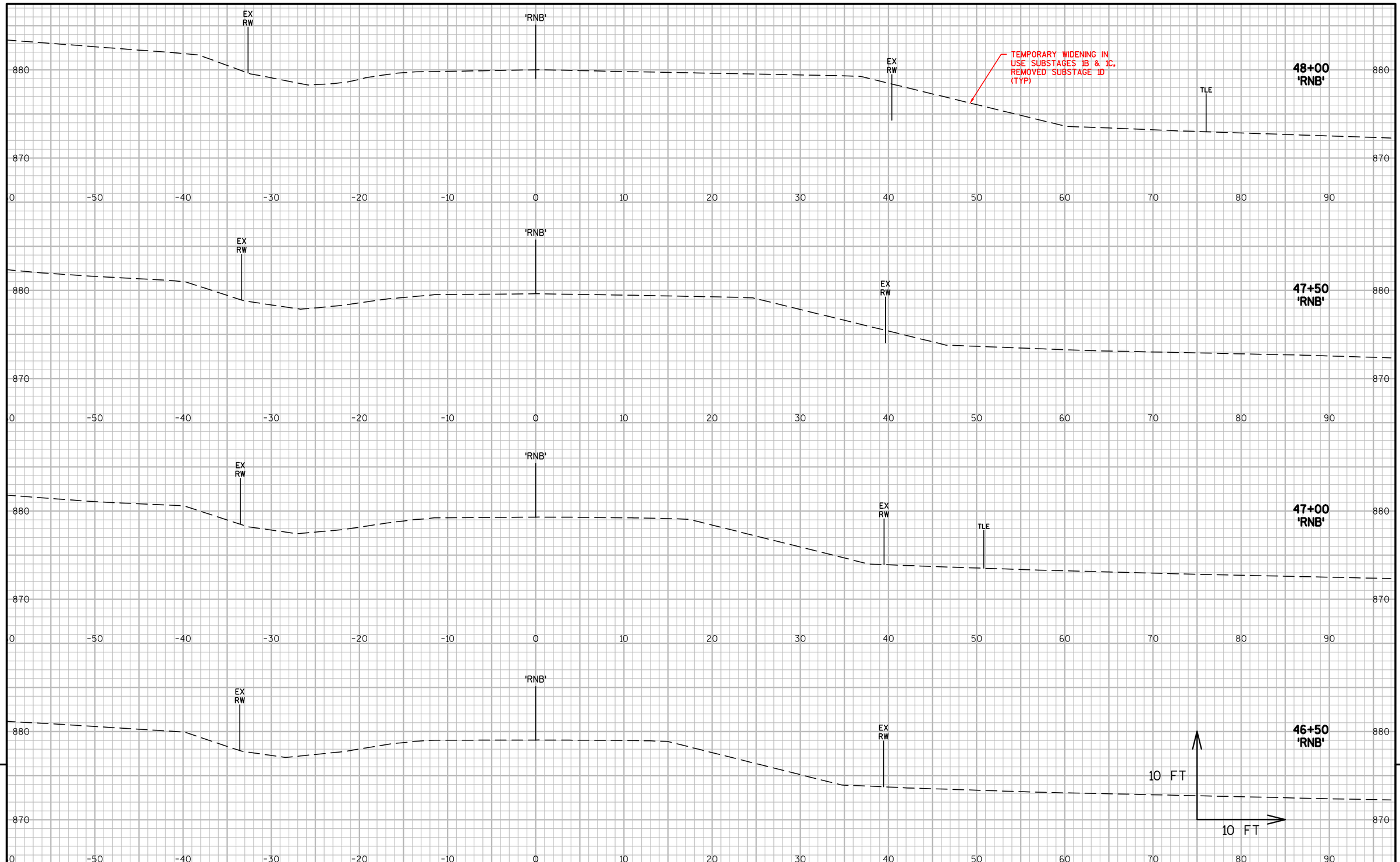


PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: SUBSTAGE 1B THRU 1E 'TRR' LINE	SHEET E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0901A_S1B_XS.DWG
LAYOUT NAME - trr_xs_06

PLOT DATE : 4/22/2019 10:35 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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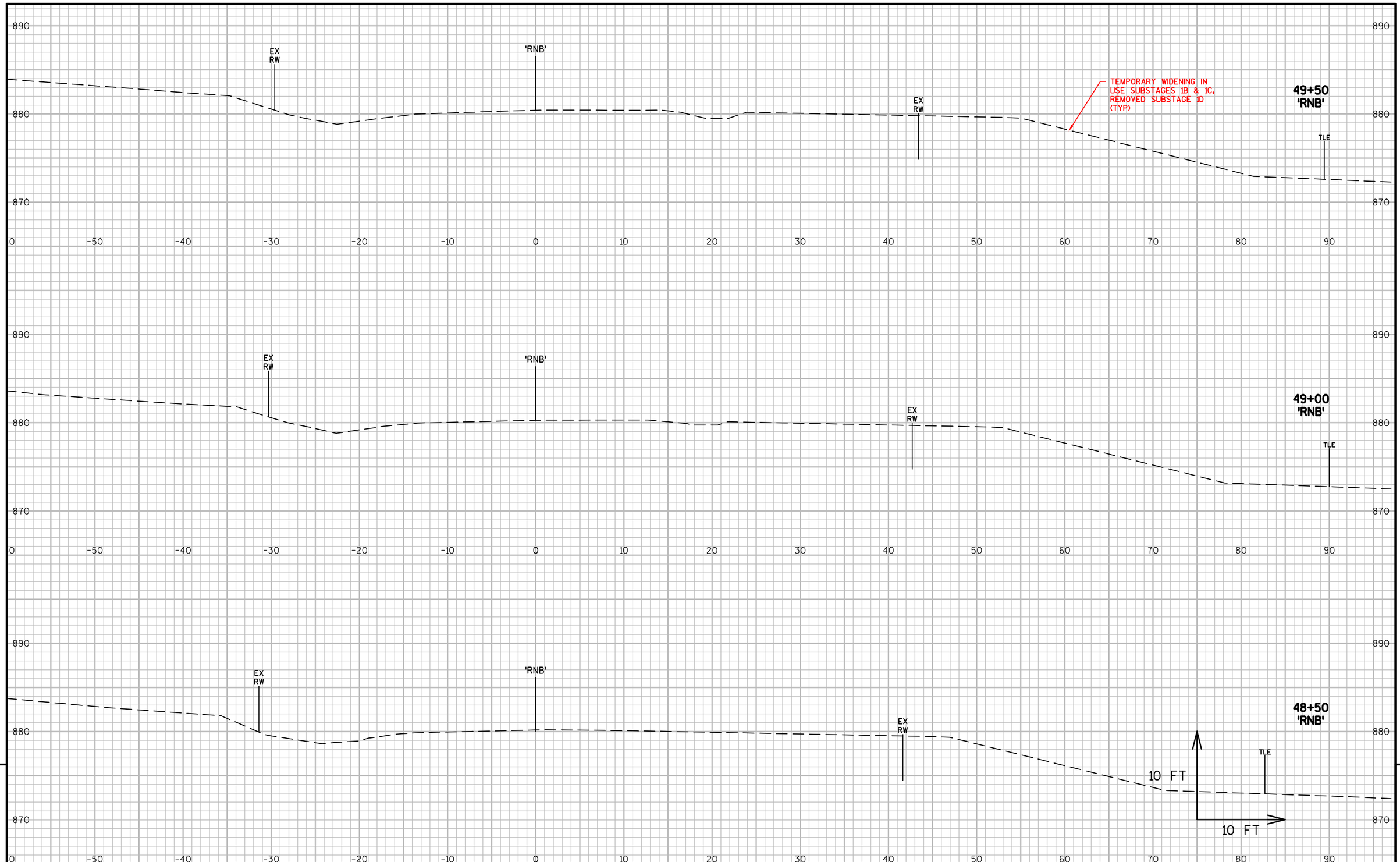
PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: RIVER ROAD 'RNB'	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0902C_RIVER_XS.DWG
LAYOUT NAME - NBR-S_X01

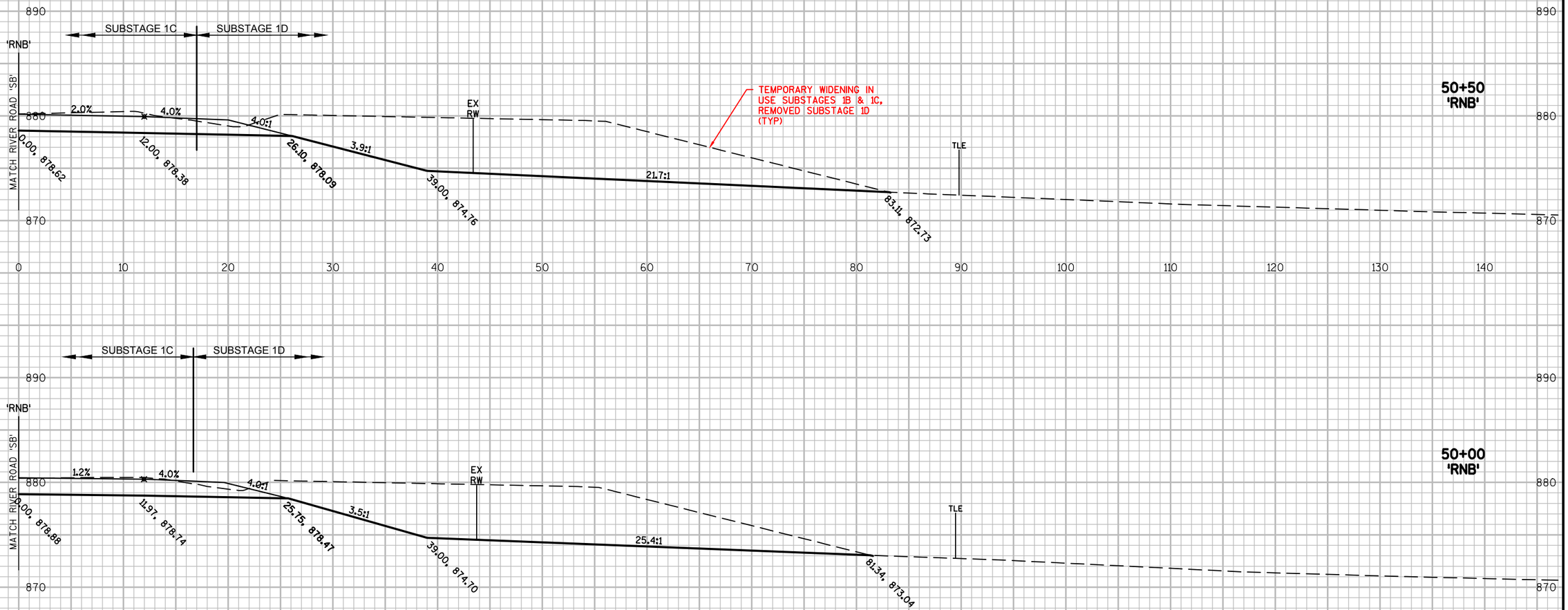
PLOT DATE : 4/25/2019 1:10 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:10 FT_1

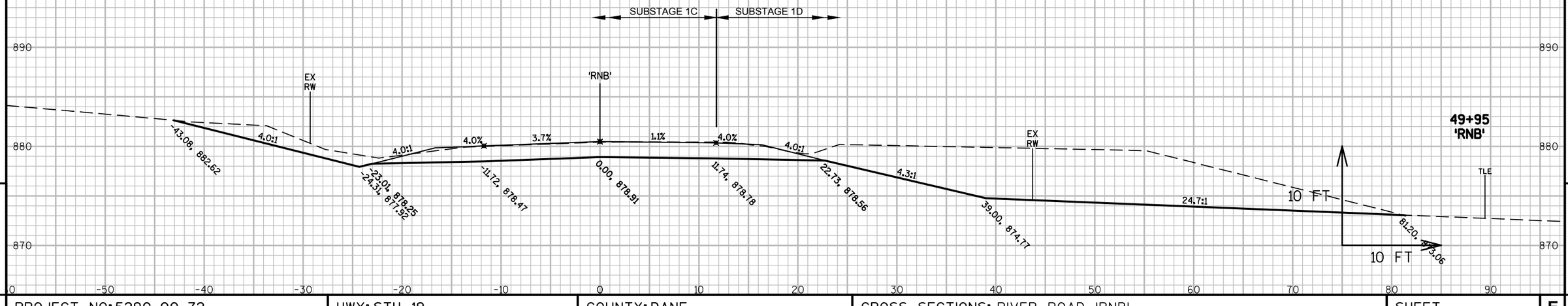
WISDOT/CADDS SHEET 49



9	PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: RIVER ROAD 'RNB'	SHEET E	9

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0902C_RIVER_XS.DWG
LAYOUT NAME - NBR-S_X02
PLOT DATE : 4/25/2019 1:10 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:10 FT_1





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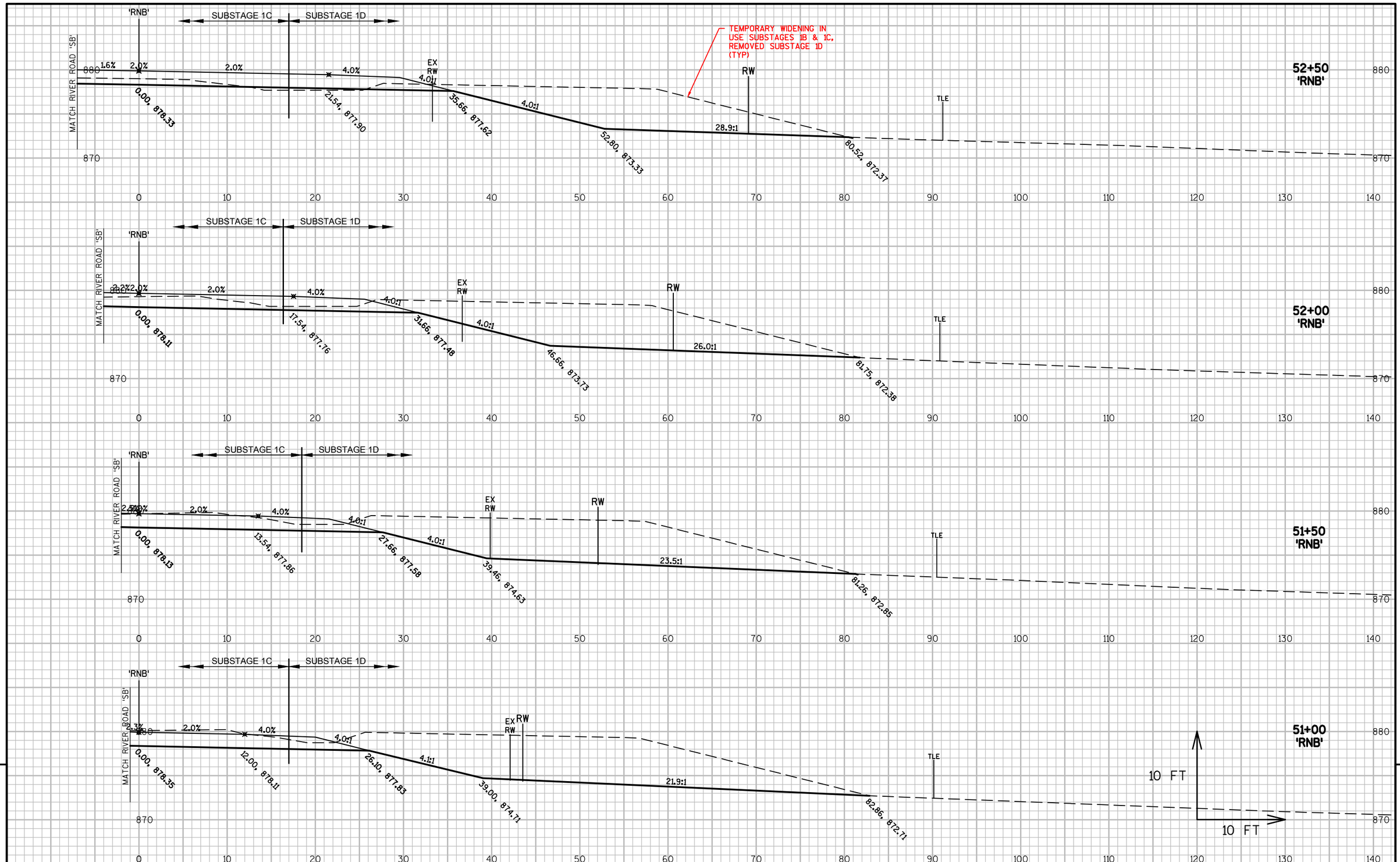
PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: RIVER ROAD 'RNB'	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0902C_RIVER_XS.DWG
LAYOUT NAME - NBR-S_X03

PLOT DATE : 4/25/2019 1:10 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:10 FT_1



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PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: RIVER ROAD 'RNB'	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0902C_RIVER_XS.DWG
LAYOUT NAME - NBR-S_X04

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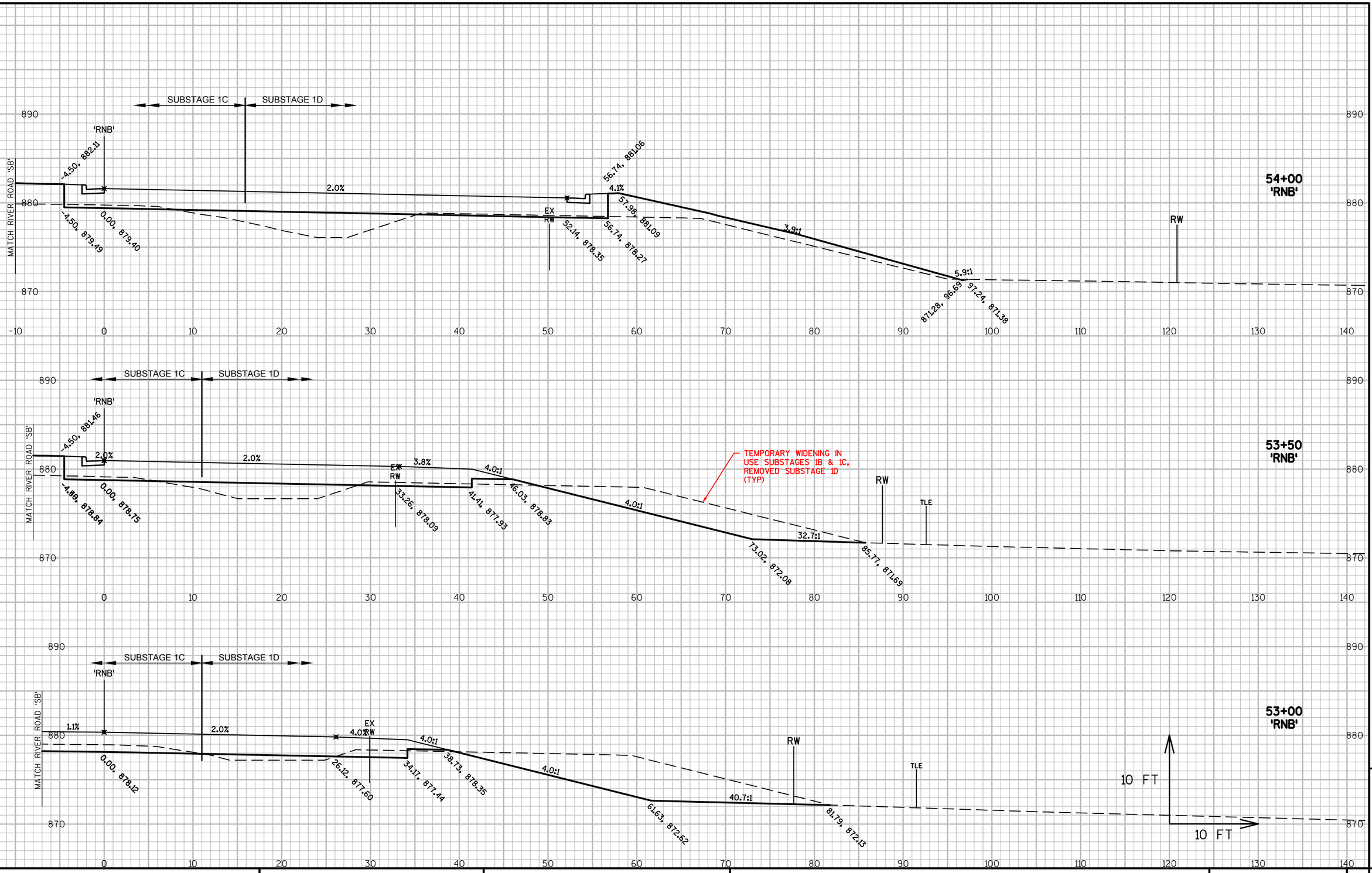

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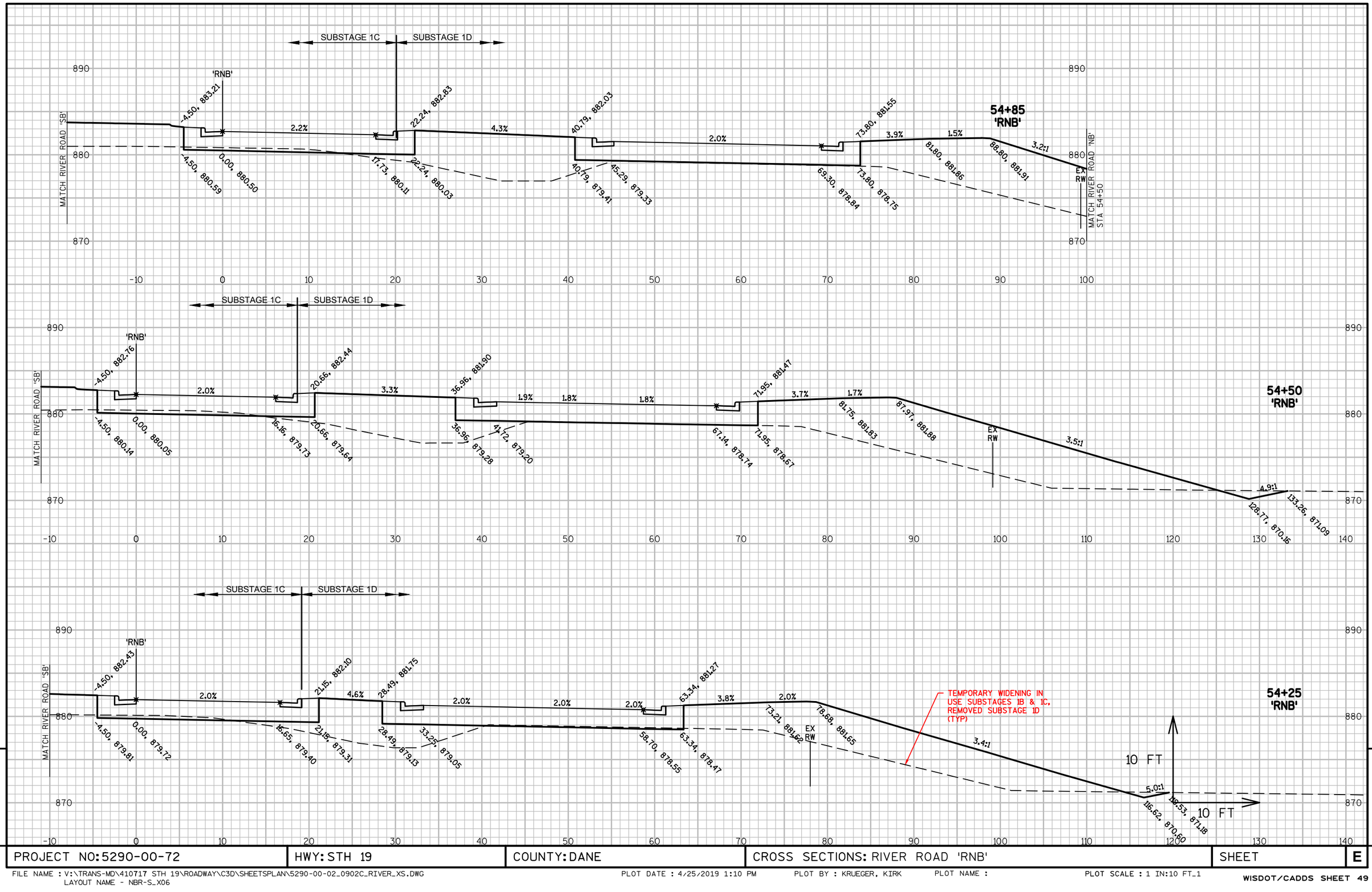
PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: RIVER ROAD 'RNB'	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0902C_RIVER_XS.DWG
LAYOUT NAME - NBR-S_X05
PLOT DATE : 4/25/2019 1:10 PM
PLOT BY : KRUEGER, KIRK
PLOT NAME :
PLOT SCALE : 1 IN:10 FT_1



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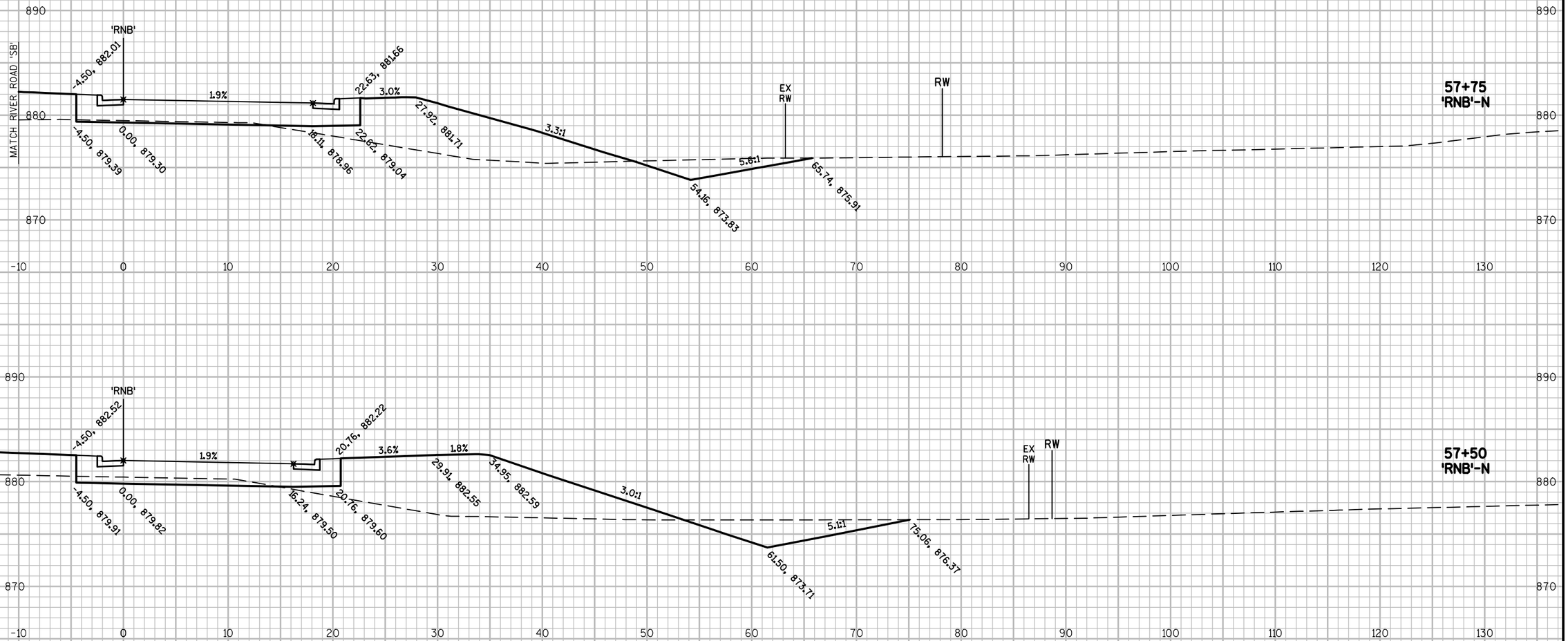
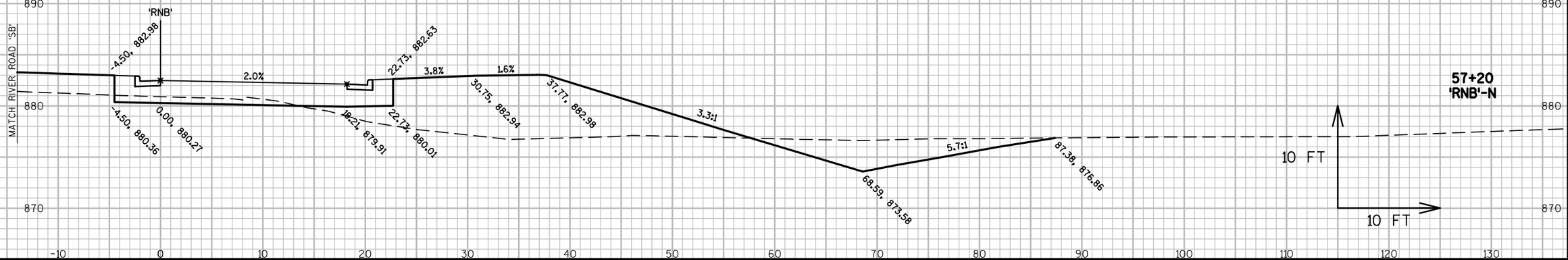
PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: RIVER ROAD 'RNB'	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0902C_RIVER_XS.DWG
LAYOUT NAME - NBR-S_X06

PLOT DATE : 4/25/2019 1:10 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:10 FT_1

WISDOT/CADDS SHEET 49





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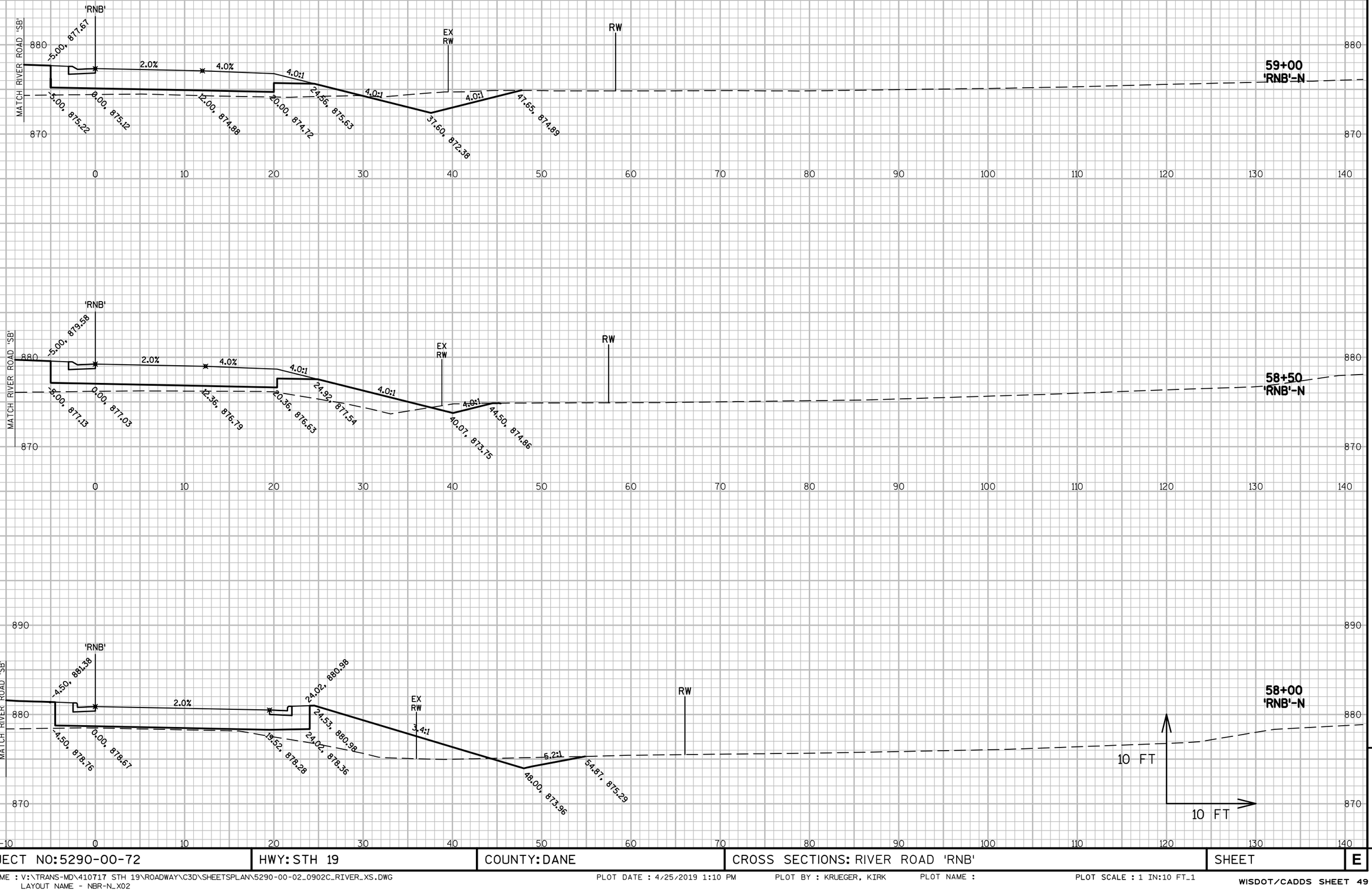
PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: RIVER ROAD 'RNB'	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0902C_RIVER_XS.DWG
LAYOUT NAME - NBR-N_X01
PLOT DATE : 4/25/2019 1:10 PM
PLOT BY : KRUEGER, KIRK
PLOT NAME :
PLOT SCALE : 1 IN:10 FT_1



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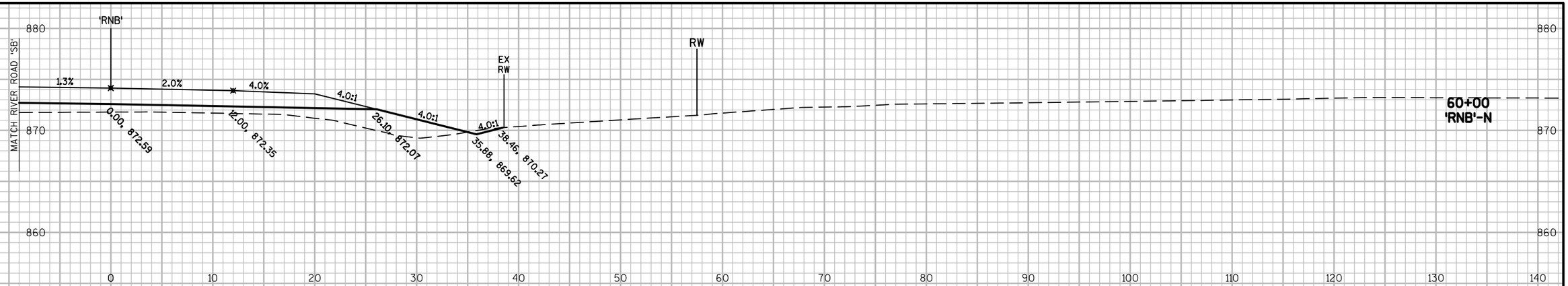
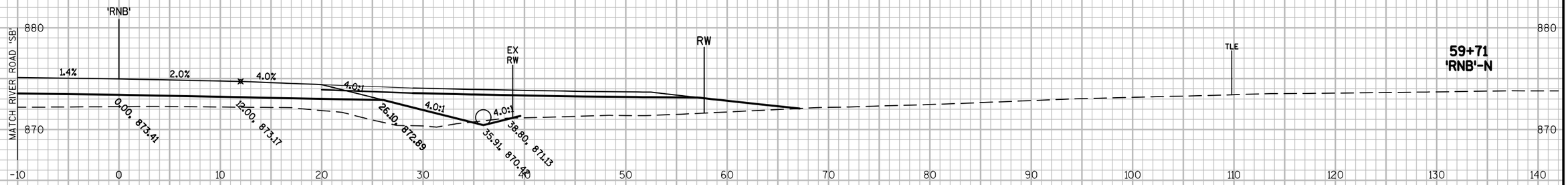
PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: RIVER ROAD 'RNB'	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0902C_RIVER_XS.DWG
LAYOUT NAME - NBR-N_X02

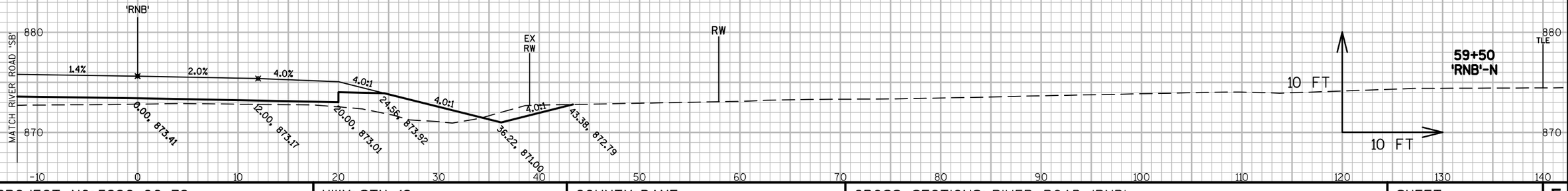
PLOT DATE : 4/25/2019 1:10 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:10 FT_1

WISDOT/CADDS SHEET 49





STA. 59+72'RNB'
CONSTRUCT PE RT
1 - 28' 18-INCH CP CL.III-A REQ'D
2 - APRON ENDWALLS REQ'D



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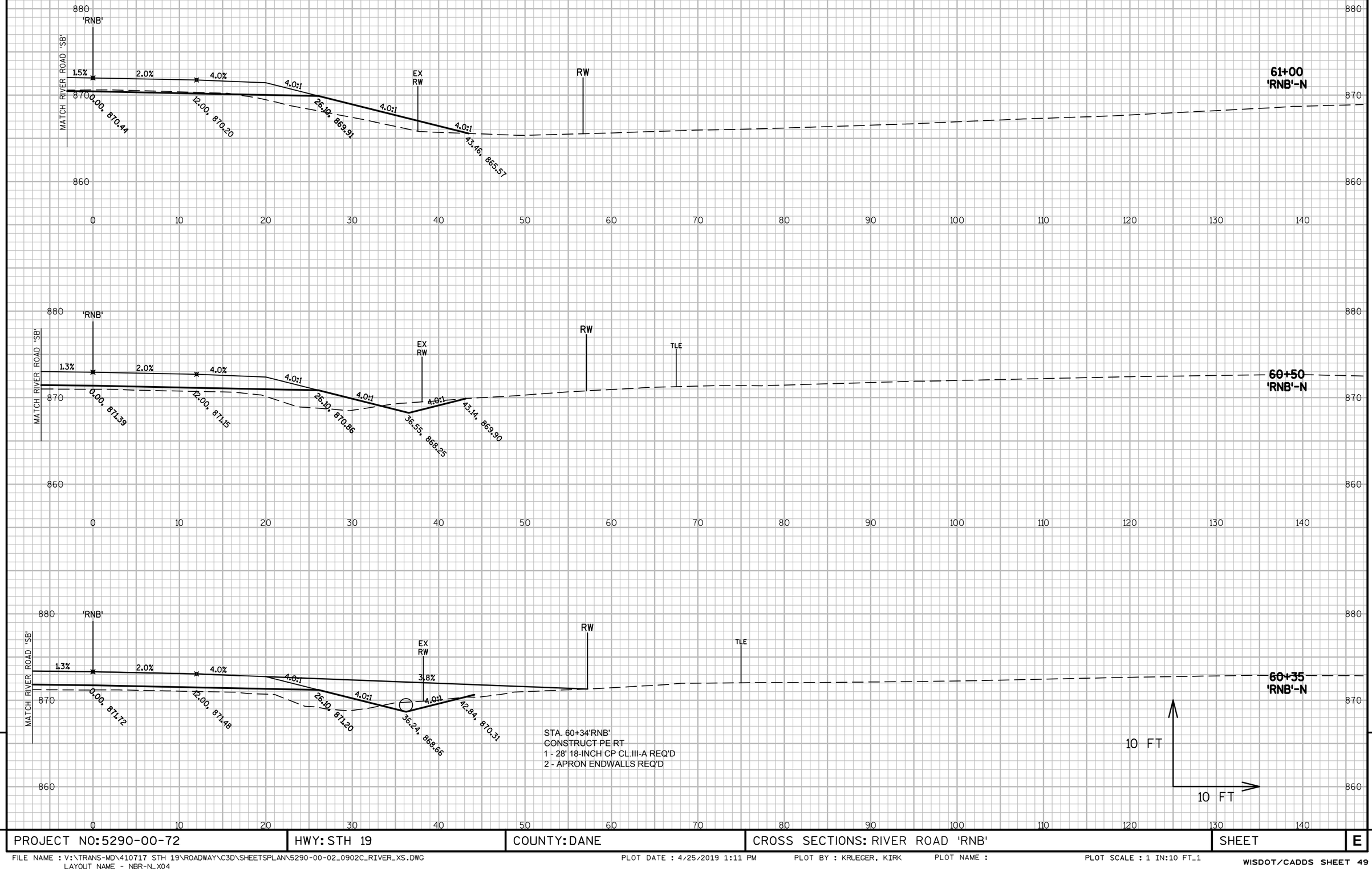
PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: RIVER ROAD 'RNB'	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0902C_RIVER_XS.DWG
LAYOUT NAME - NBR-N_X03
PLOT DATE : 4/25/2019 1:10 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:10 FT_1



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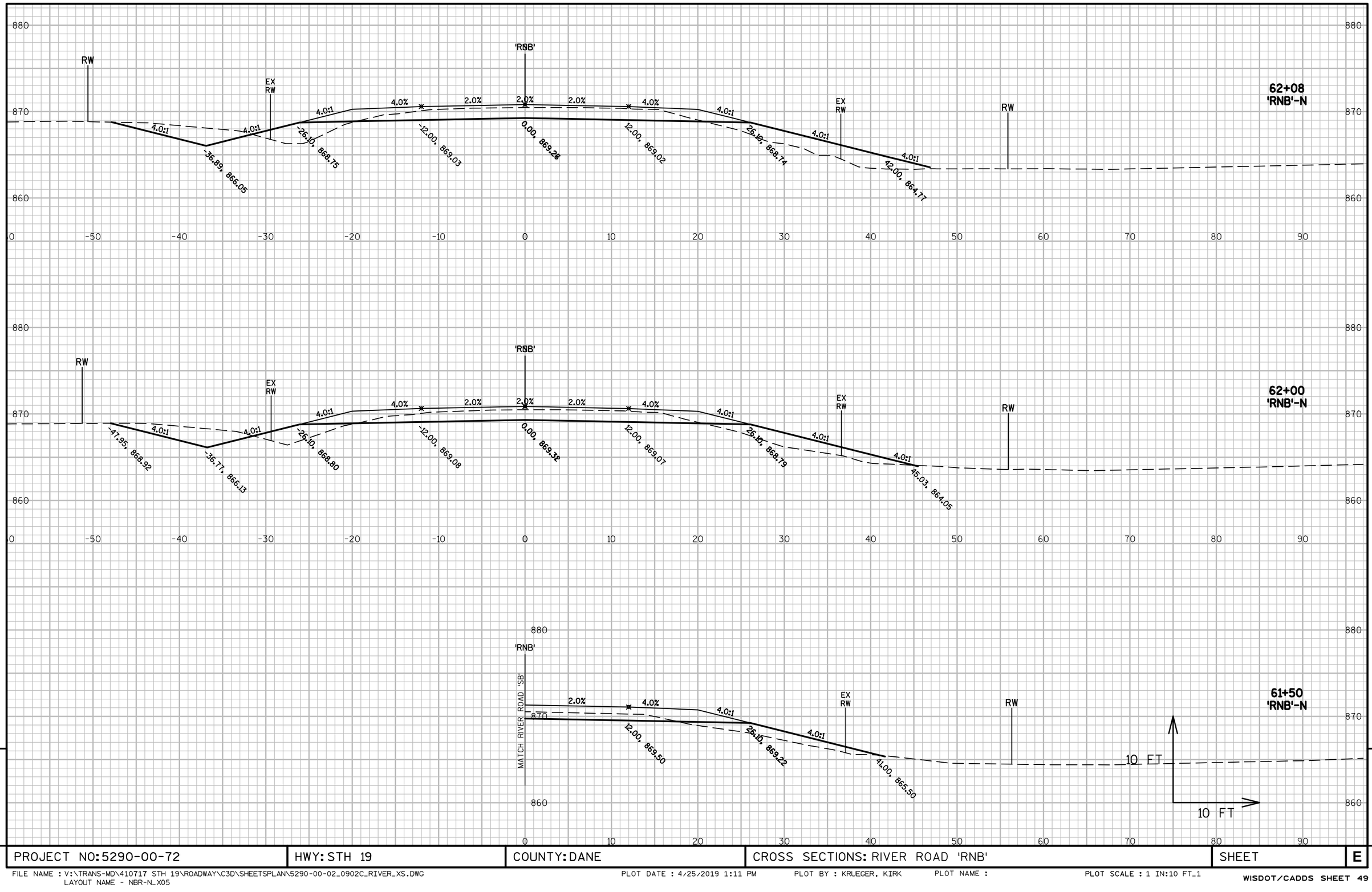
PROJECT NO:5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: RIVER ROAD 'RNB'	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0902C_RIVER_XS.DWG
LAYOUT NAME - NBR-N_X04
PLOT DATE : 4/25/2019 1:11 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:10 FT_1

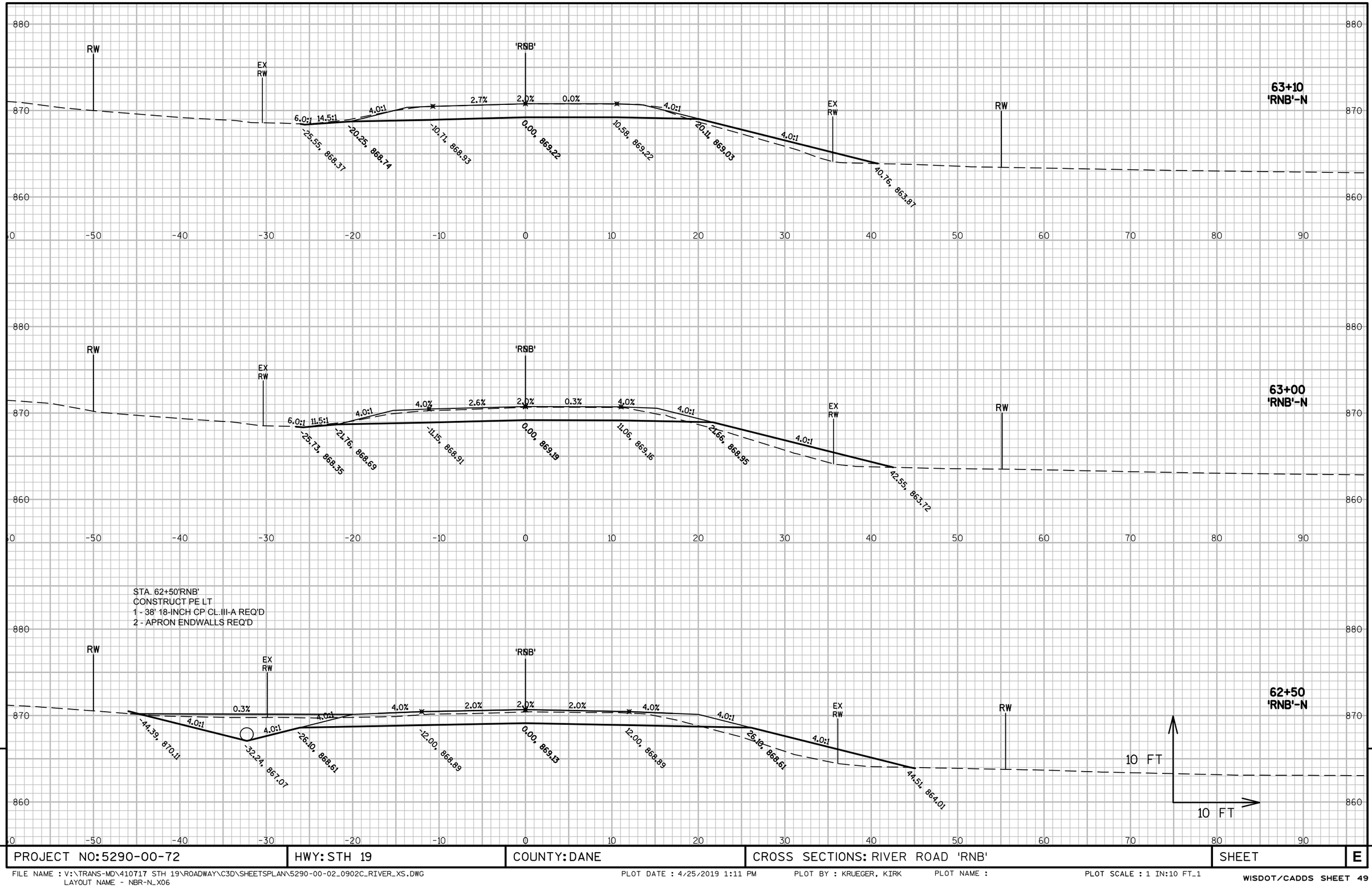


PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: RIVER ROAD 'RNB'	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0902C_RIVER_XS.DWG
LAYOUT NAME - NBR-N_X05

PLOT DATE : 4/25/2019 1:11 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:10 FT_1

WISDOT/CADDS SHEET 49



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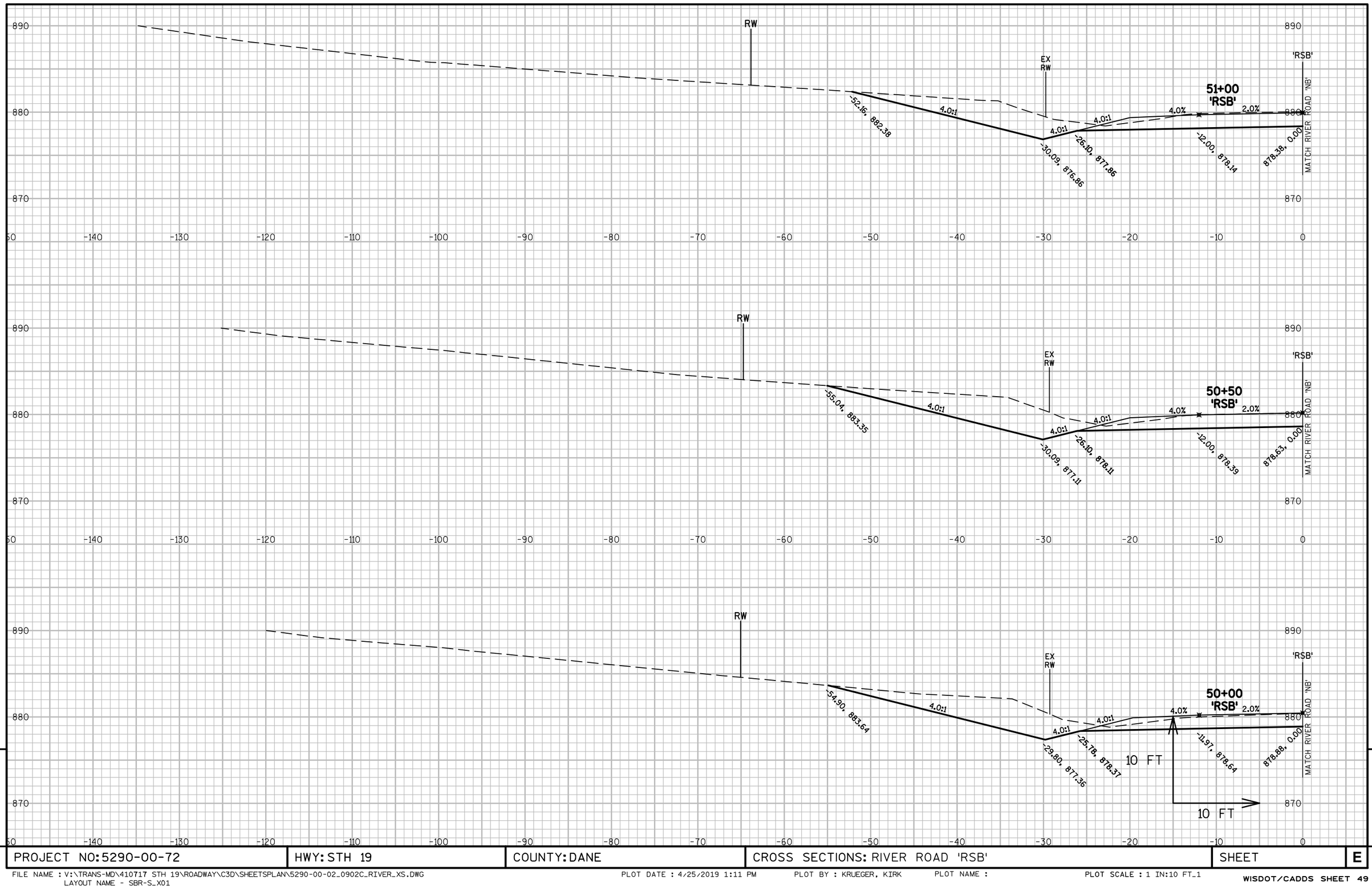
PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: RIVER ROAD 'RNB'	SHEET	E

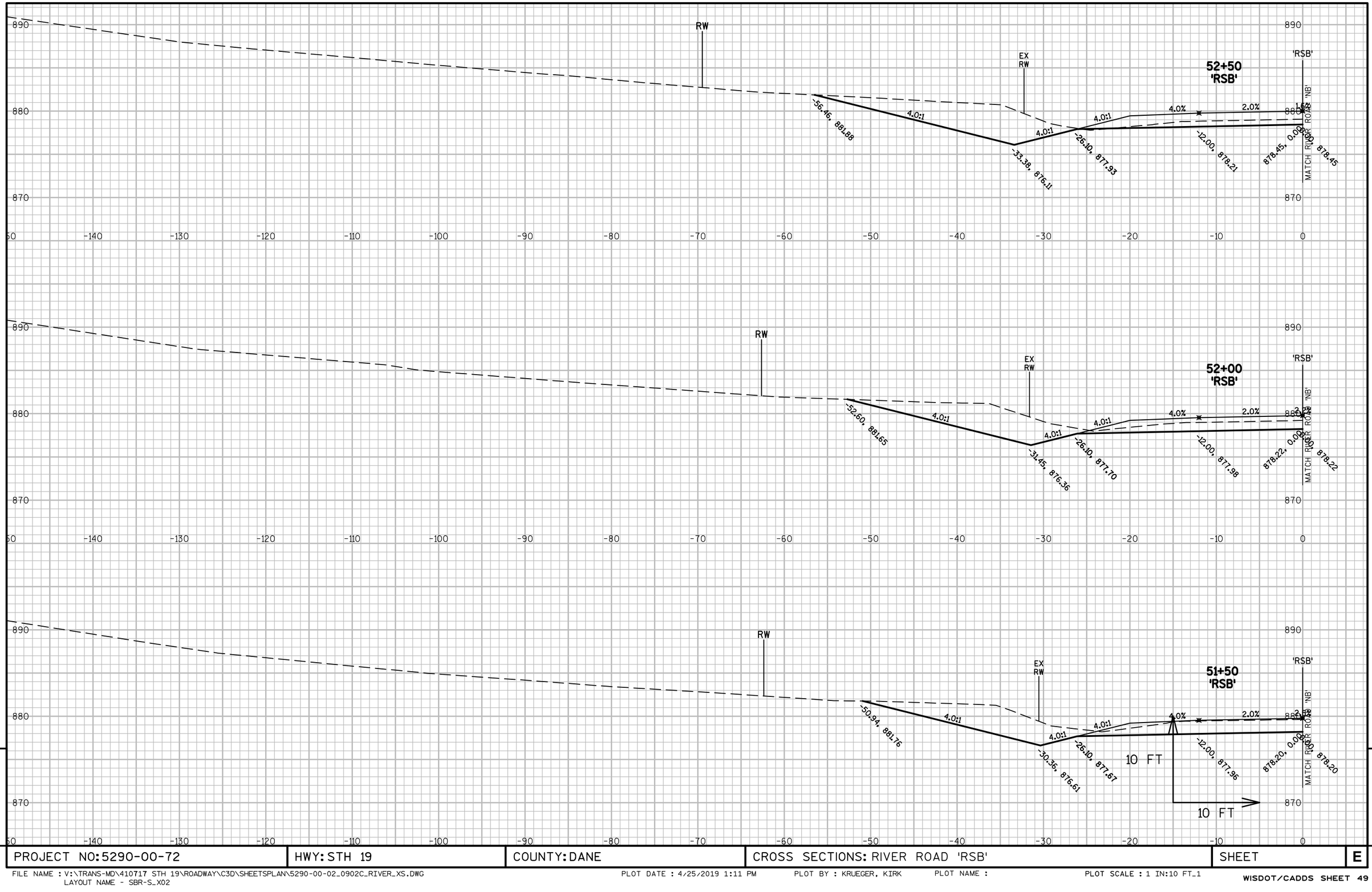
FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0902C_RIVER_XS.DWG
LAYOUT NAME - NBR-N_X06
PLOT DATE : 4/25/2019 1:11 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:10 FT_1
WISDOT/CADDS SHEET 49



PROJECT NO:5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: RIVER ROAD 'RSB'	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0902C_RIVER_XS.DWG
LAYOUT NAME - SBR-S_X01

PLOT DATE : 4/25/2019 1:11 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:10 FT_1



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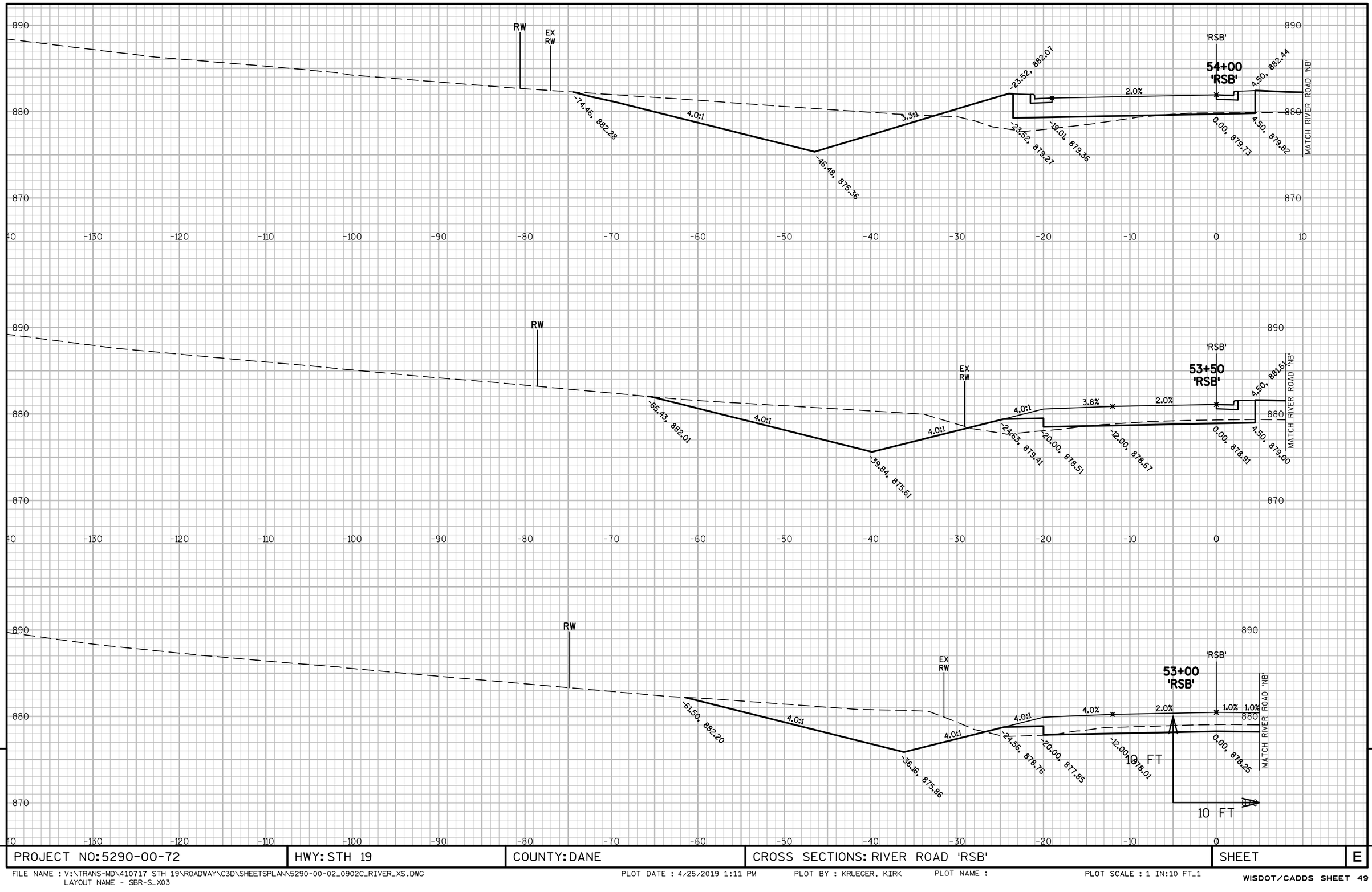
PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: RIVER ROAD 'RSB'	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0902C_RIVER_XS.DWG
LAYOUT NAME - SBR-S_X02

PLOT DATE : 4/25/2019 1:11 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:10 FT_1

WISDOT/CADDS SHEET 49



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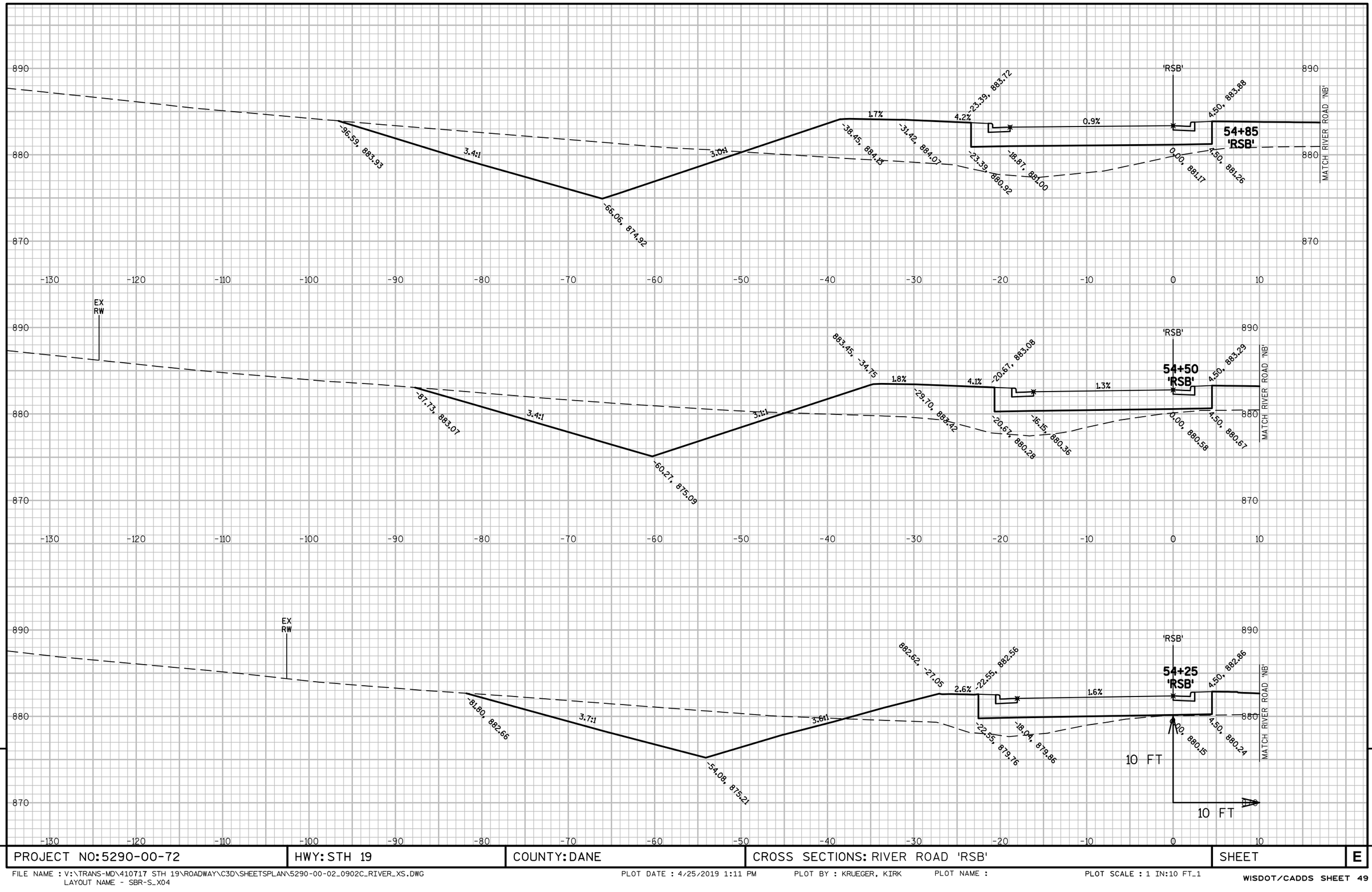
PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: RIVER ROAD 'RSB'	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0902C_RIVER_XS.DWG
LAYOUT NAME - SBR-S_X03
PLOT DATE : 4/25/2019 1:11 PM
PLOT BY : KRUEGER, KIRK
PLOT NAME :
PLOT SCALE : 1 IN:10 FT_1

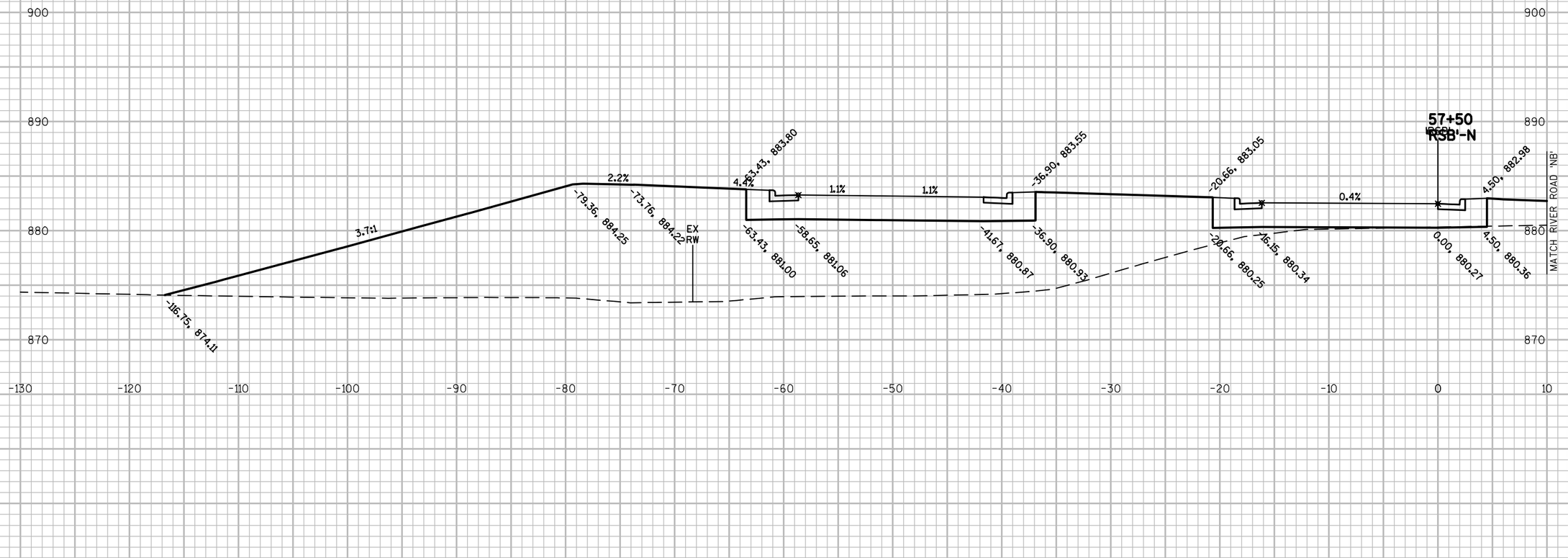


PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: RIVER ROAD 'RSB'	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0902C_RIVER_XS.DWG
LAYOUT NAME - SBR-S_X04

PLOT DATE : 4/25/2019 1:11 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:10 FT_1

WISDOT/CADDS SHEET 49



PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: RIVER ROAD 'RSB'	SHEET	E

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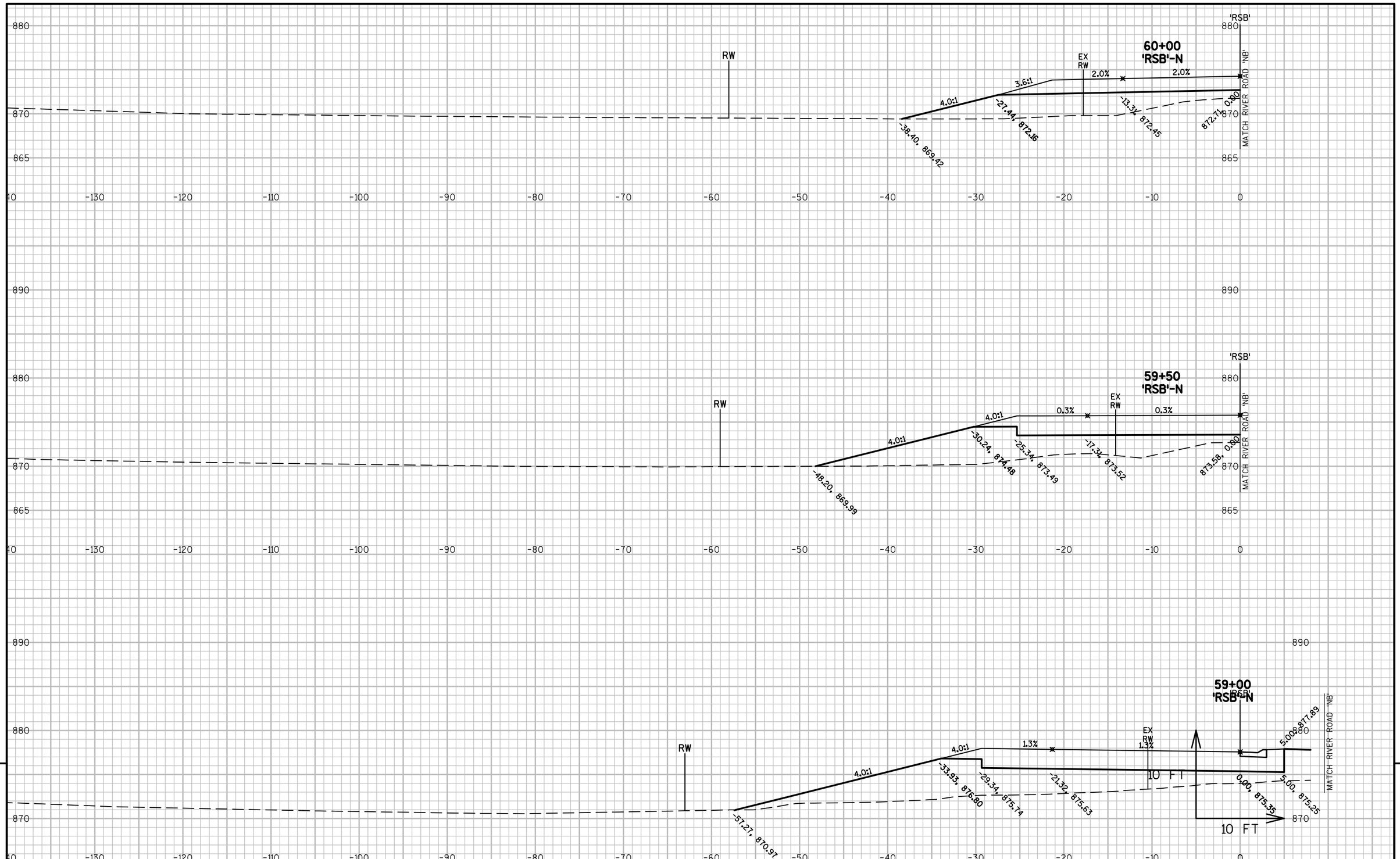
PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: RIVER ROAD 'RSB'	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0902C_RIVER_XS.DWG
LAYOUT NAME - SBR-N_X02

PLOT DATE : 4/25/2019 1:11 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:10 FT_1



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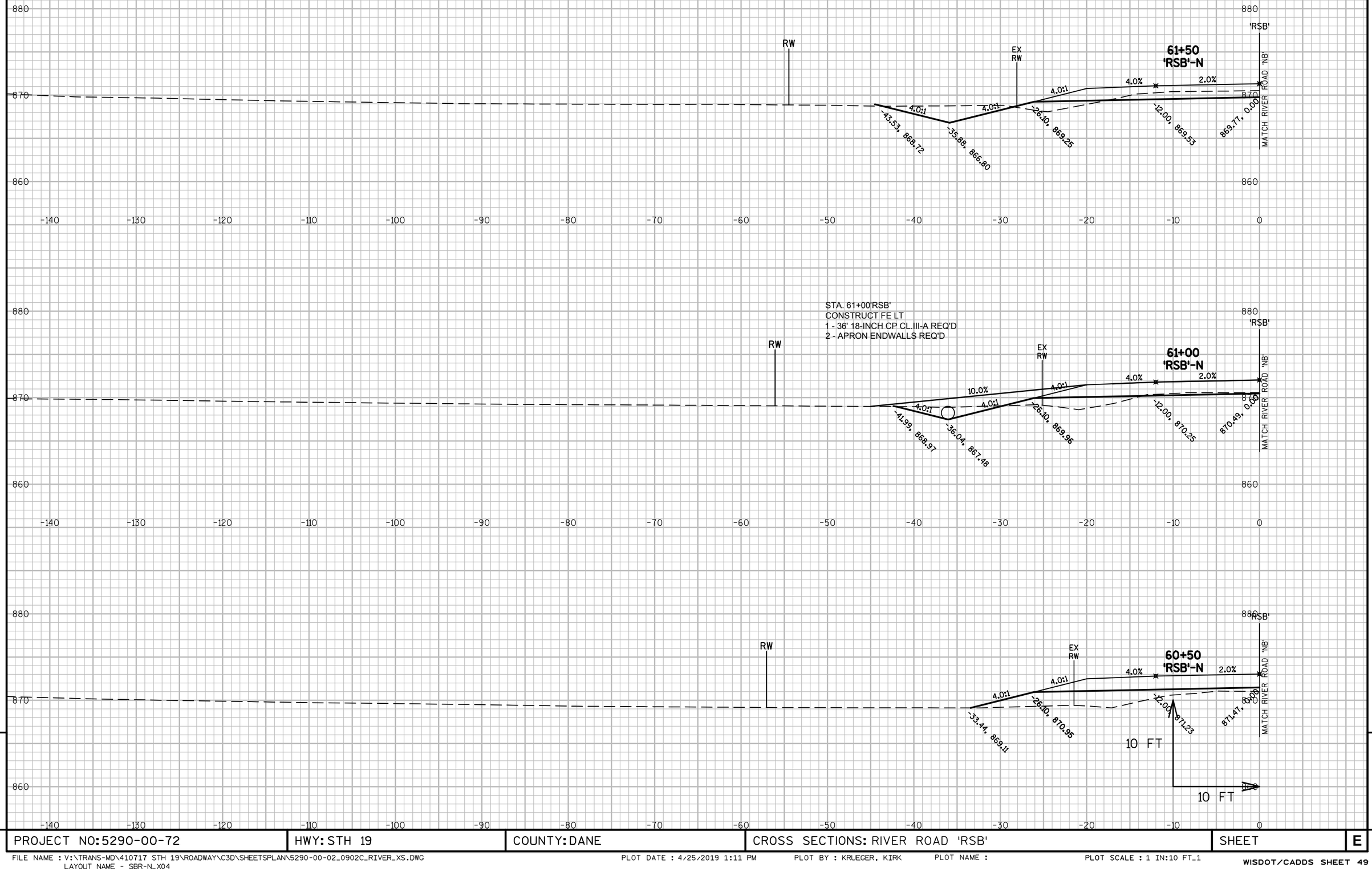
PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: RIVER ROAD 'RSB'	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0902C_RIVER_XS.DWG
LAYOUT NAME - SBR-N_X03

PLOT DATE : 4/25/2019 1:11 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:10 FT_1



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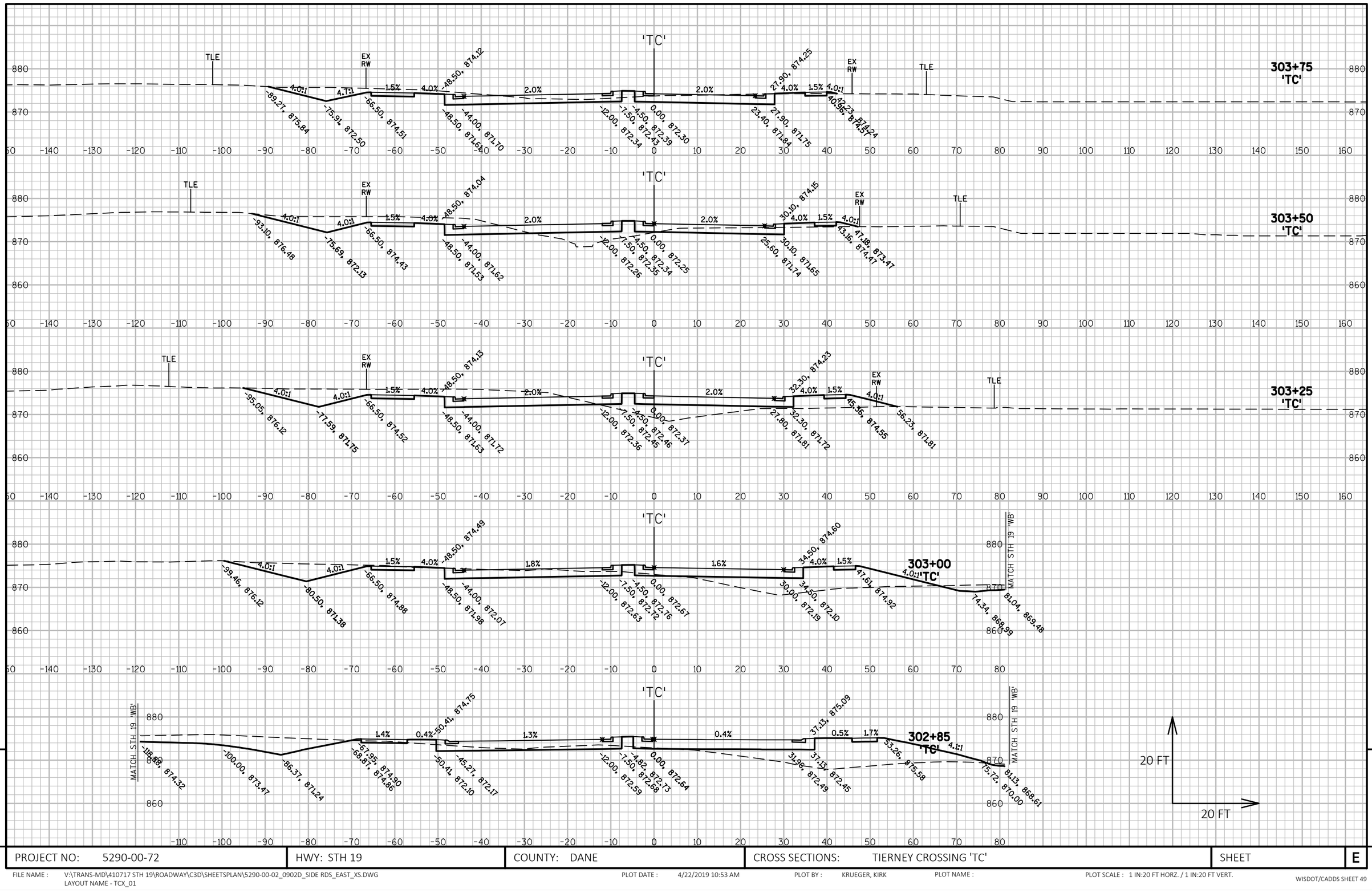
PROJECT NO:5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: RIVER ROAD 'RSB'	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0902C_RIVER_XS.DWG
LAYOUT NAME - SBR-N_X04

PLOT DATE : 4/25/2019 1:11 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:10 FT_1



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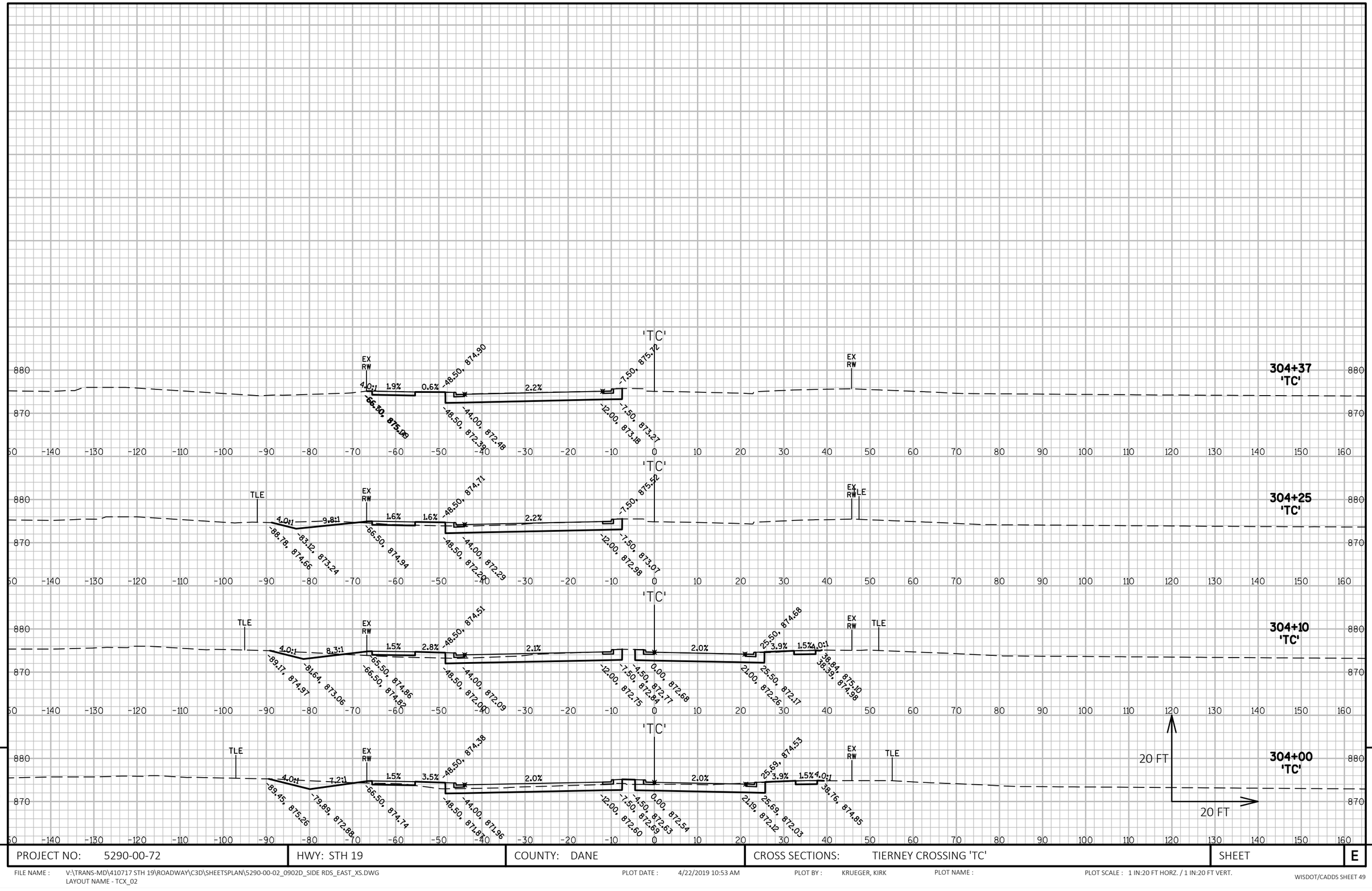
PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: TIERNEY CROSSING 'TC'	SHEET	E

9

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0902D_SIDE RDS_EAST_XS.DWG
LAYOUT NAME - TCX_01

PLOT DATE : 4/22/2019 10:53 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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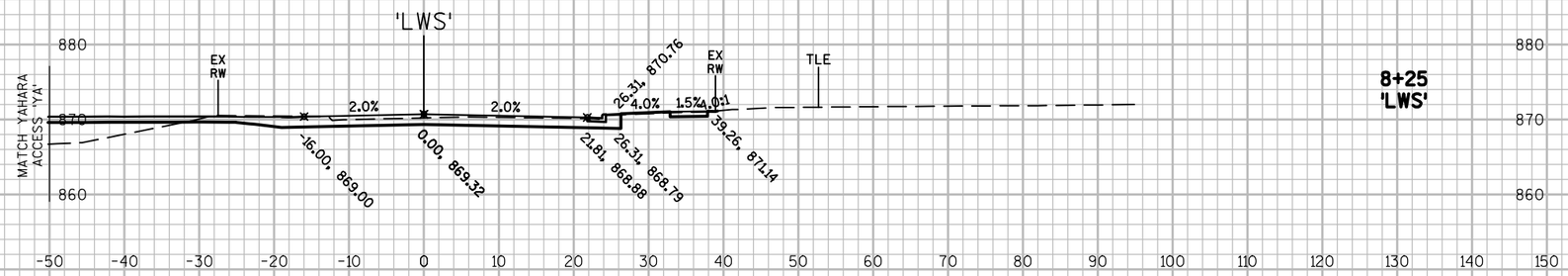
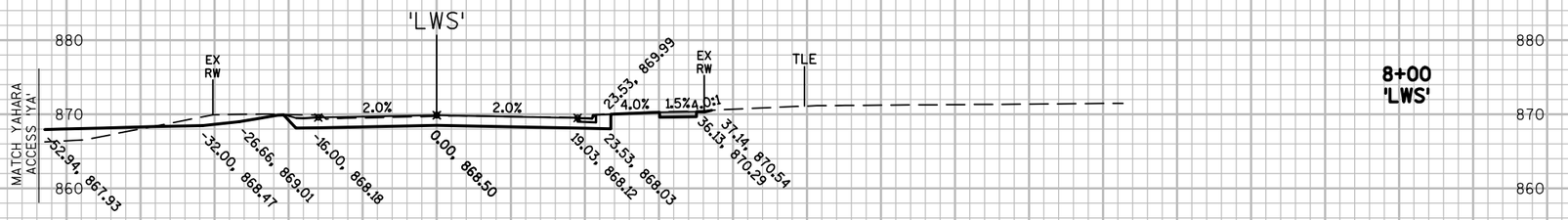
PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: TIERNEY CROSSING 'TC'	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0902D_SIDE RDS_EAST_XS.DWG
LAYOUT NAME - TCX_02

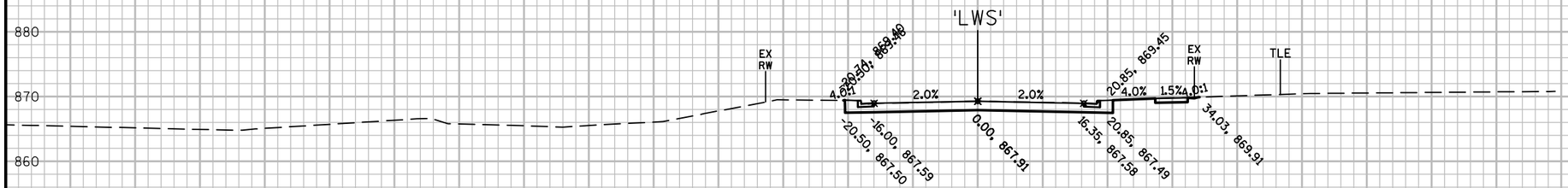
PLOT DATE : 4/22/2019 10:53 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



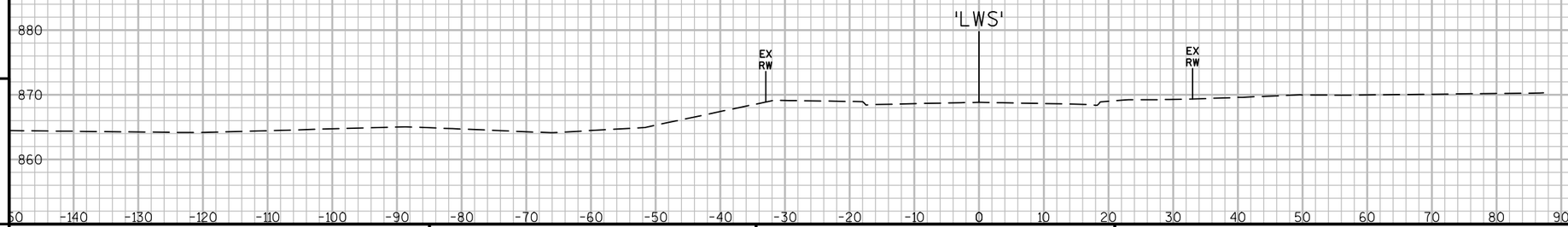
8+25
'LWS'



8+00
'LWS'



7+75
'LWS'



7+50
'LWS'

20 FT

20 FT

9

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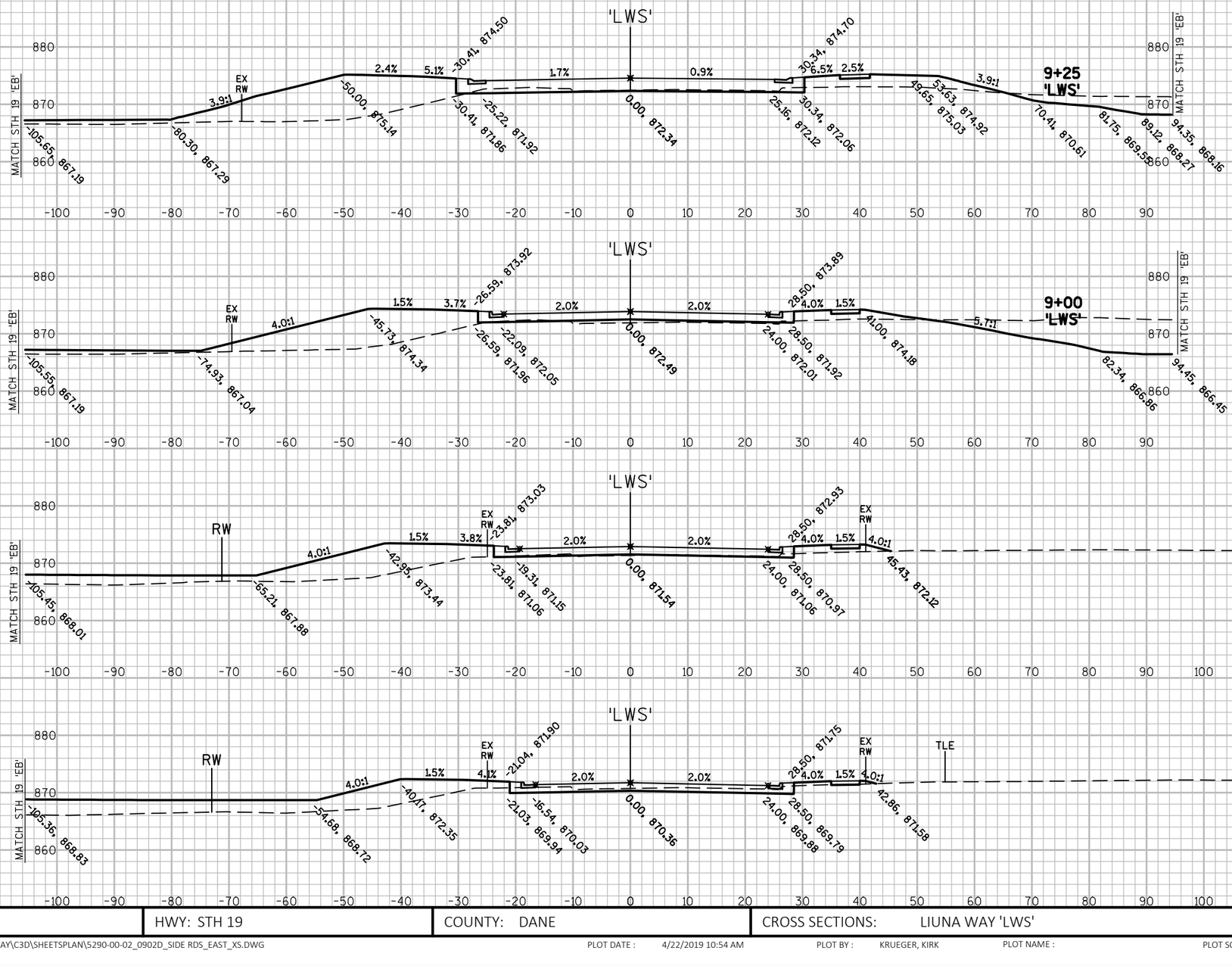
PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: LIUNA WAY 'LWS'	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0902D_SIDE RDS_EAST_XS.DWG
LAYOUT NAME - LWSX_01

PLOT DATE : 4/22/2019 10:53 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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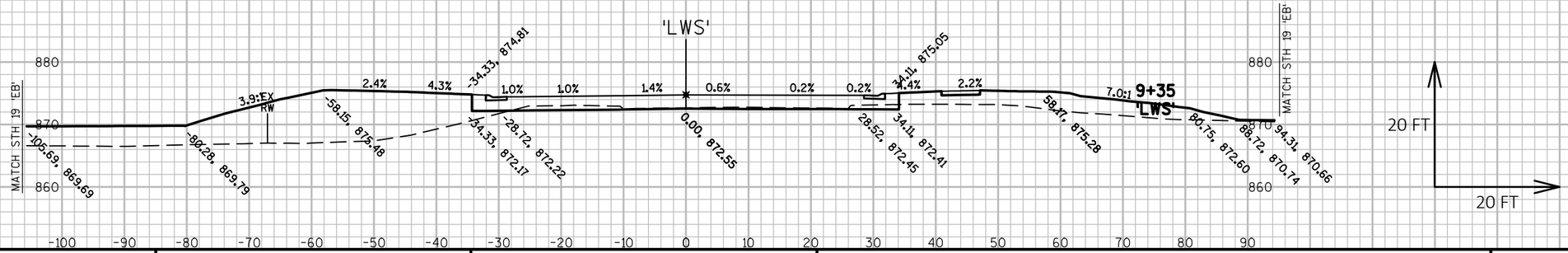
PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: LIUNA WAY 'LWS'	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0902D_SIDE RDS_EAST_XS.DWG
LAYOUT NAME - LWSX_02

PLOT DATE : 4/22/2019 10:54 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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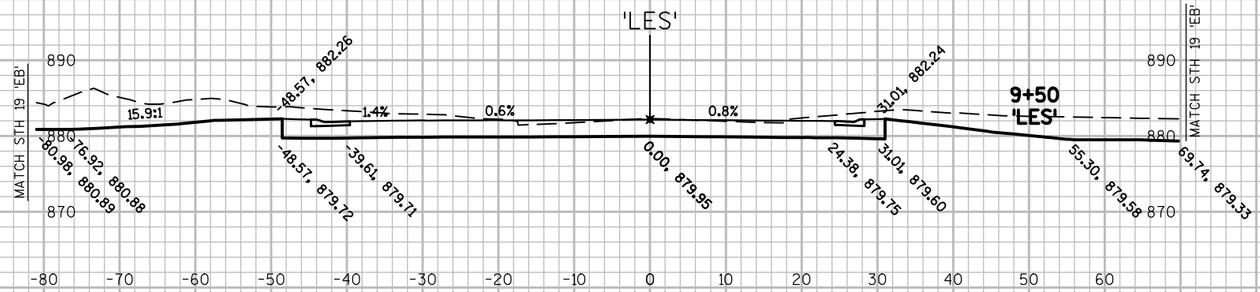
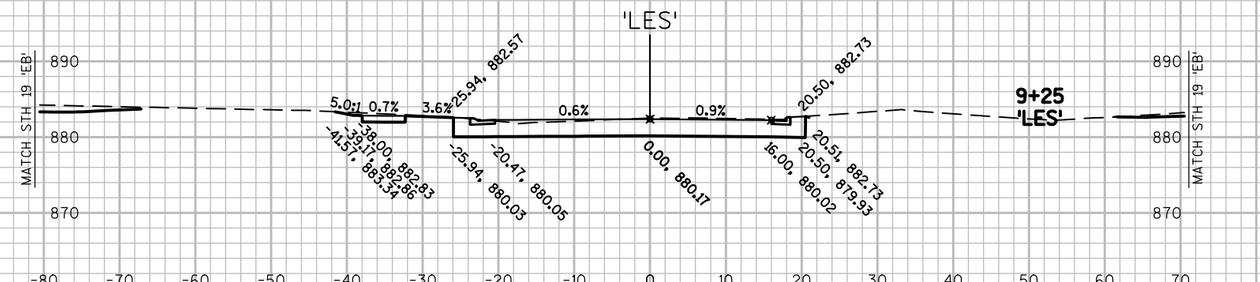
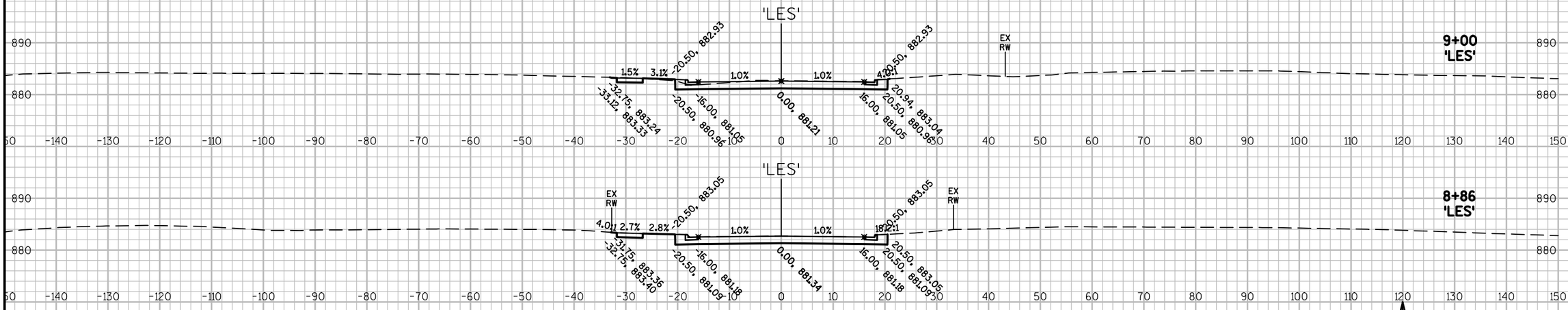
PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: LIUNA WAY 'LWS'	SHEET E

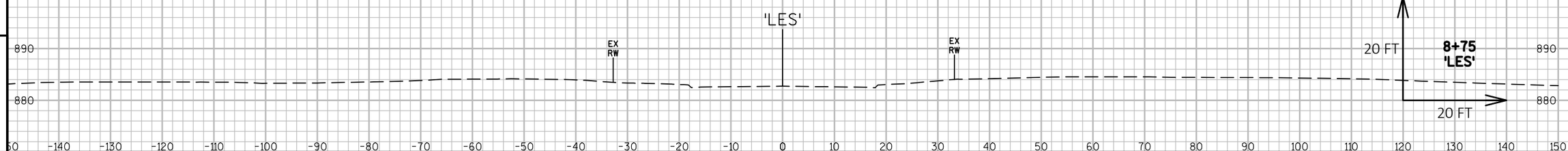
FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0902D_SIDE RDS_EAST_XS.DWG
LAYOUT NAME - LWSX_03

PLOT DATE : 4/22/2019 10:54 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.









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PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: LIUNA WAY 'LES'	SHEET	E

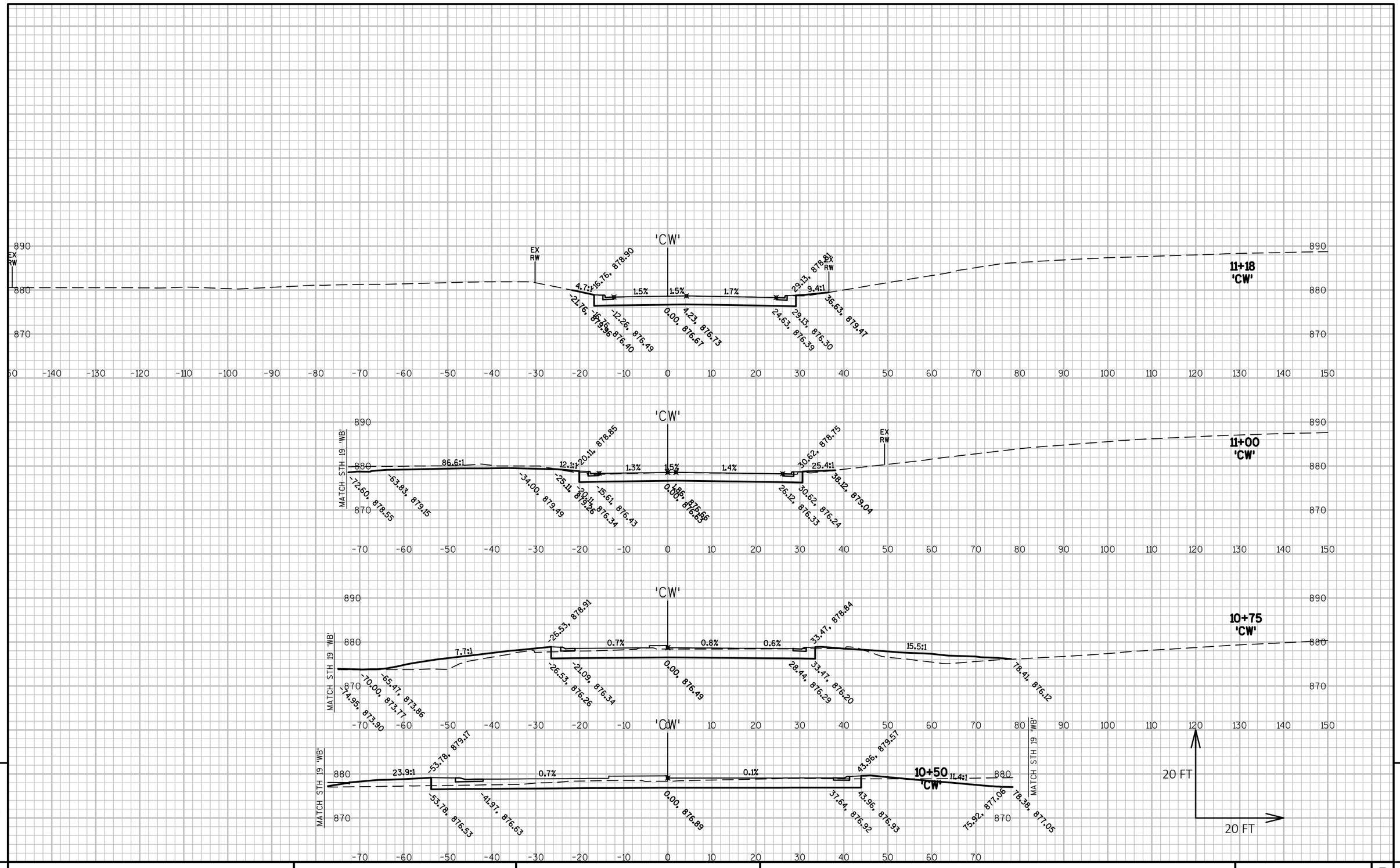
FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0902D_SIDE RDS_EAST_XS.DWG
LAYOUT NAME - LESX_01

PLOT DATE : 4/30/2019 2:22 PM

PLOT BY : KRUEGER, KIRK

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: CASHEL WAY 'CW'	SHEET E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0902D_SIDE RDS_EAST_XS.DWG
LAYOUT NAME - CWX_01

PLOT DATE : 4/30/2019 2:24 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

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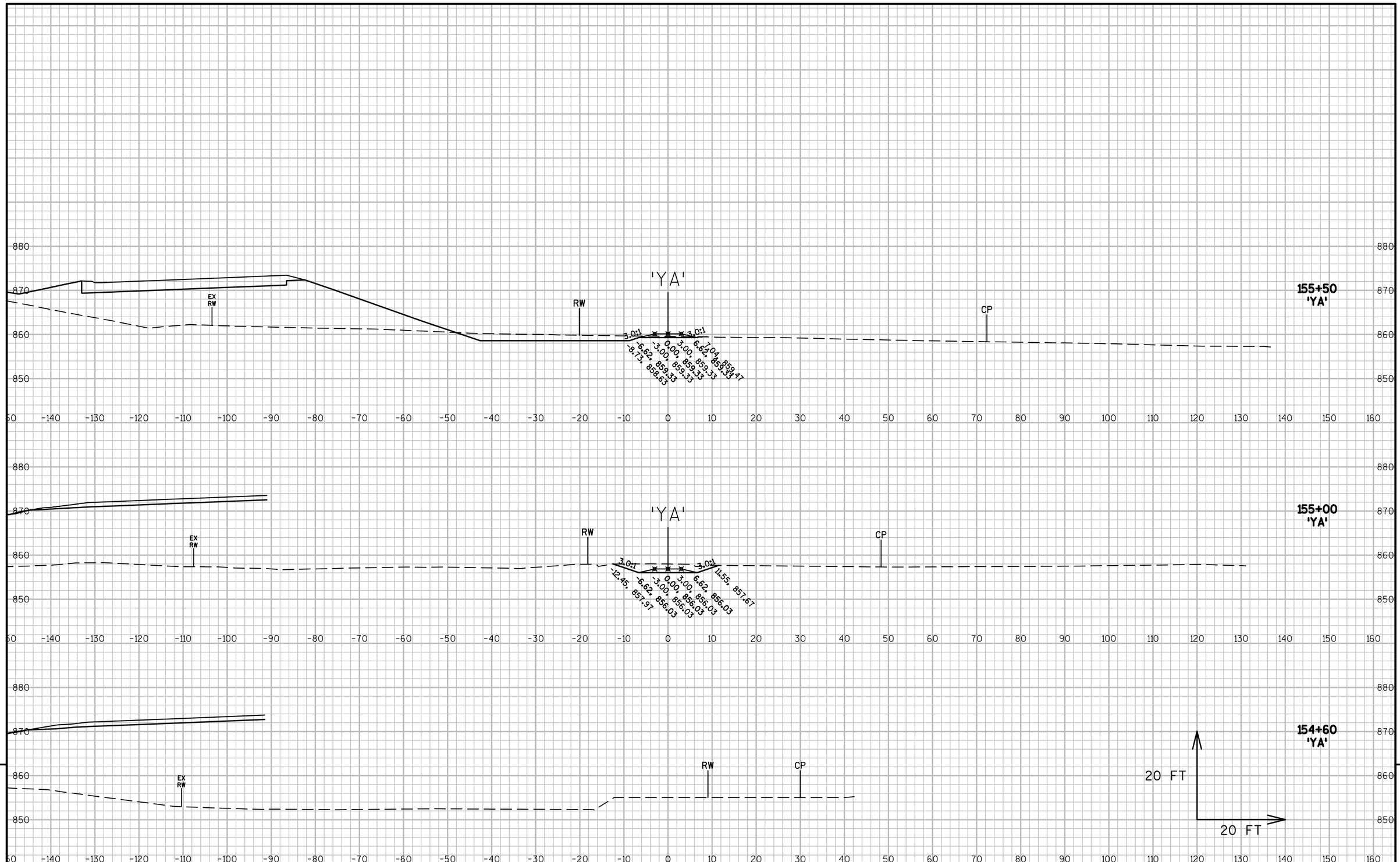

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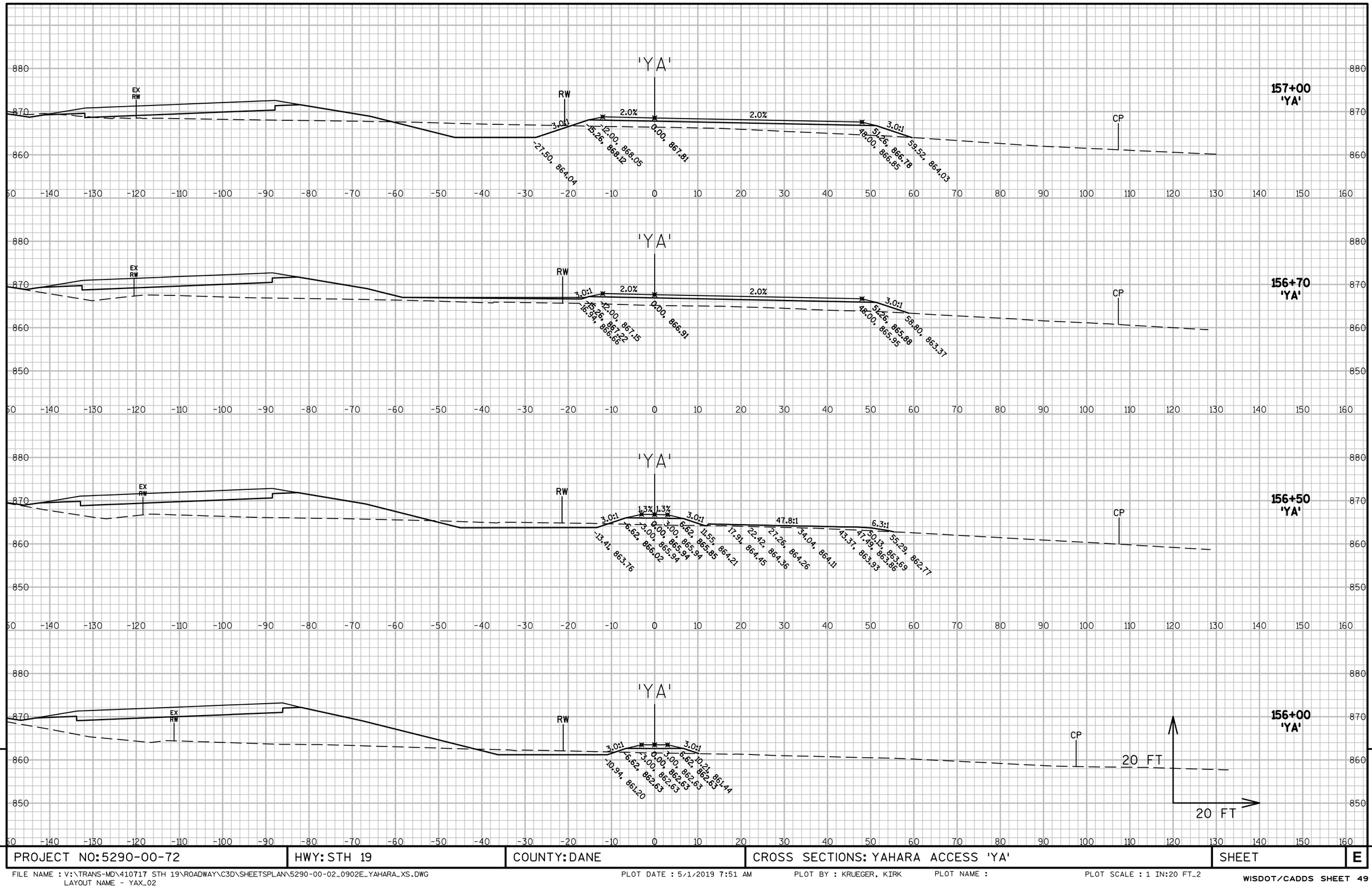
PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: YAHARA ACCESS 'YA'	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0902E_YAHARA_XS.DWG
LAYOUT NAME - YAX_01

PLOT DATE : 5/1/2019 7:51 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:20 FT_2



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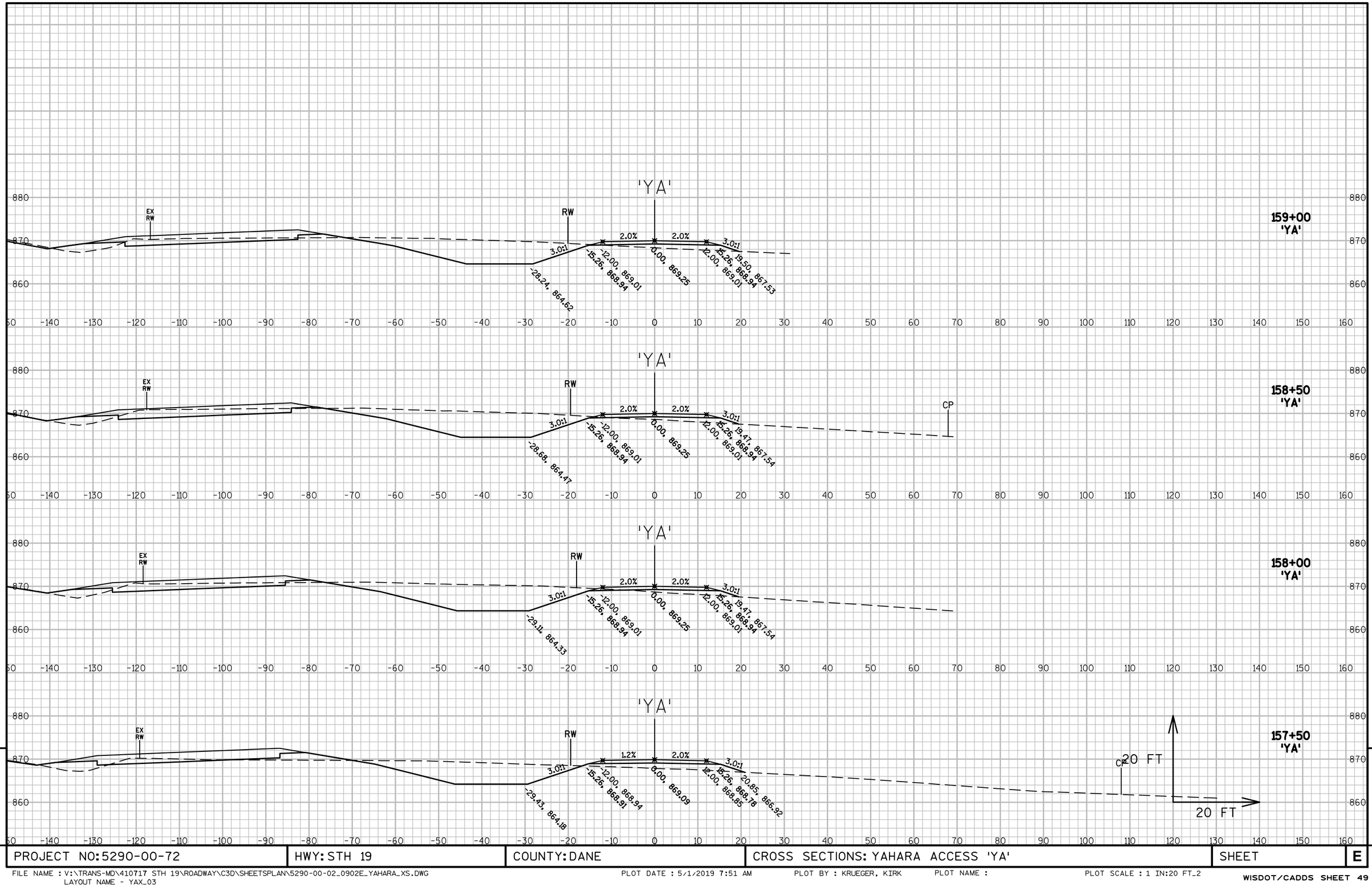
PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: YAHARA ACCESS 'YA'	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0902E_YAHARA_XS.DWG
LAYOUT NAME - YAX_02

PLOT DATE : 5/1/2019 7:51 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:20 FT_2



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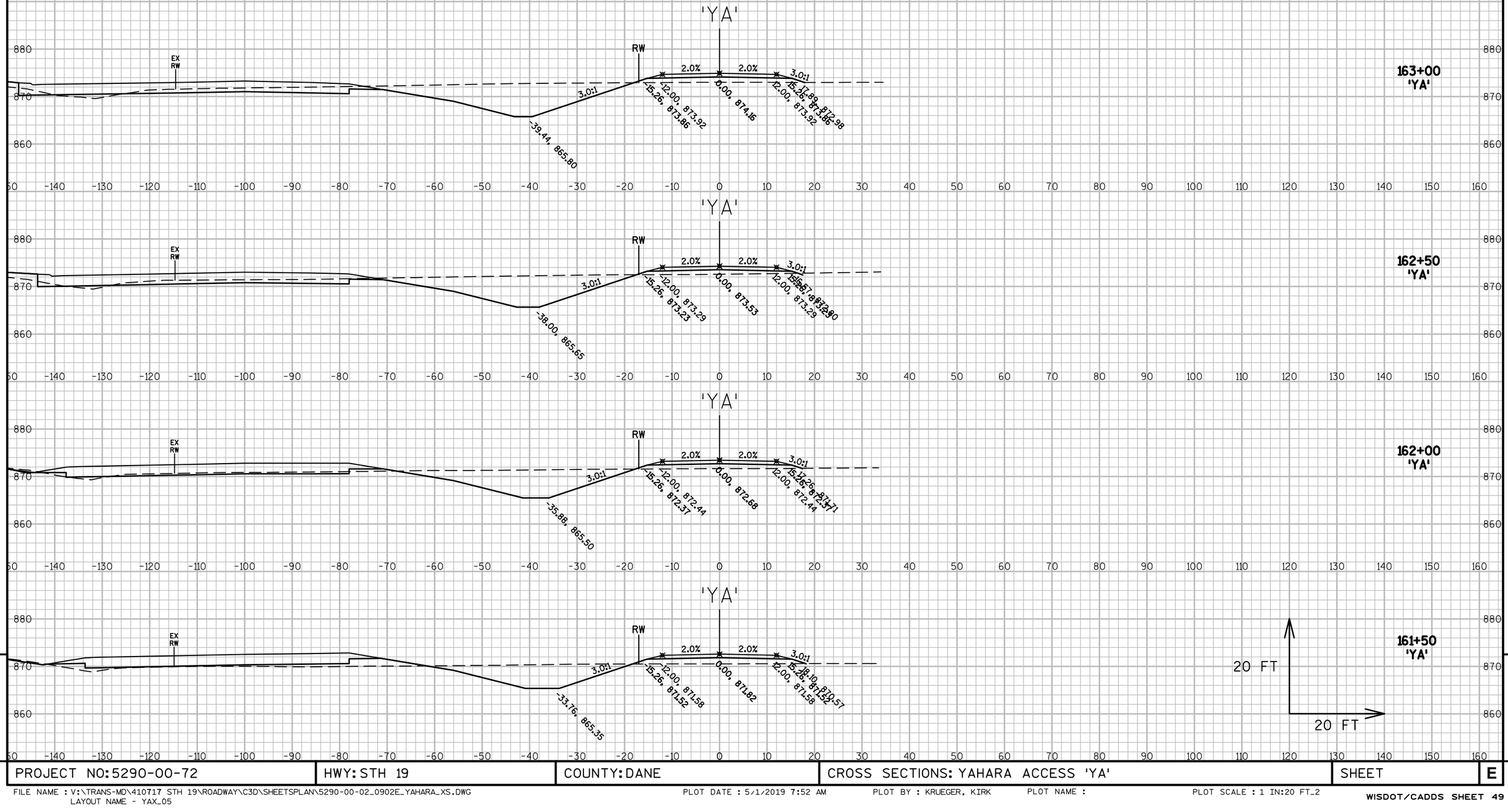
PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: YAHARA ACCESS 'YA'	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0902E_YAHARA_XS.DWG
LAYOUT NAME - YAX_03

PLOT DATE : 5/1/2019 7:51 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:20 FT_2

PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: YAHARA ACCESS 'YA'	SHEET	E



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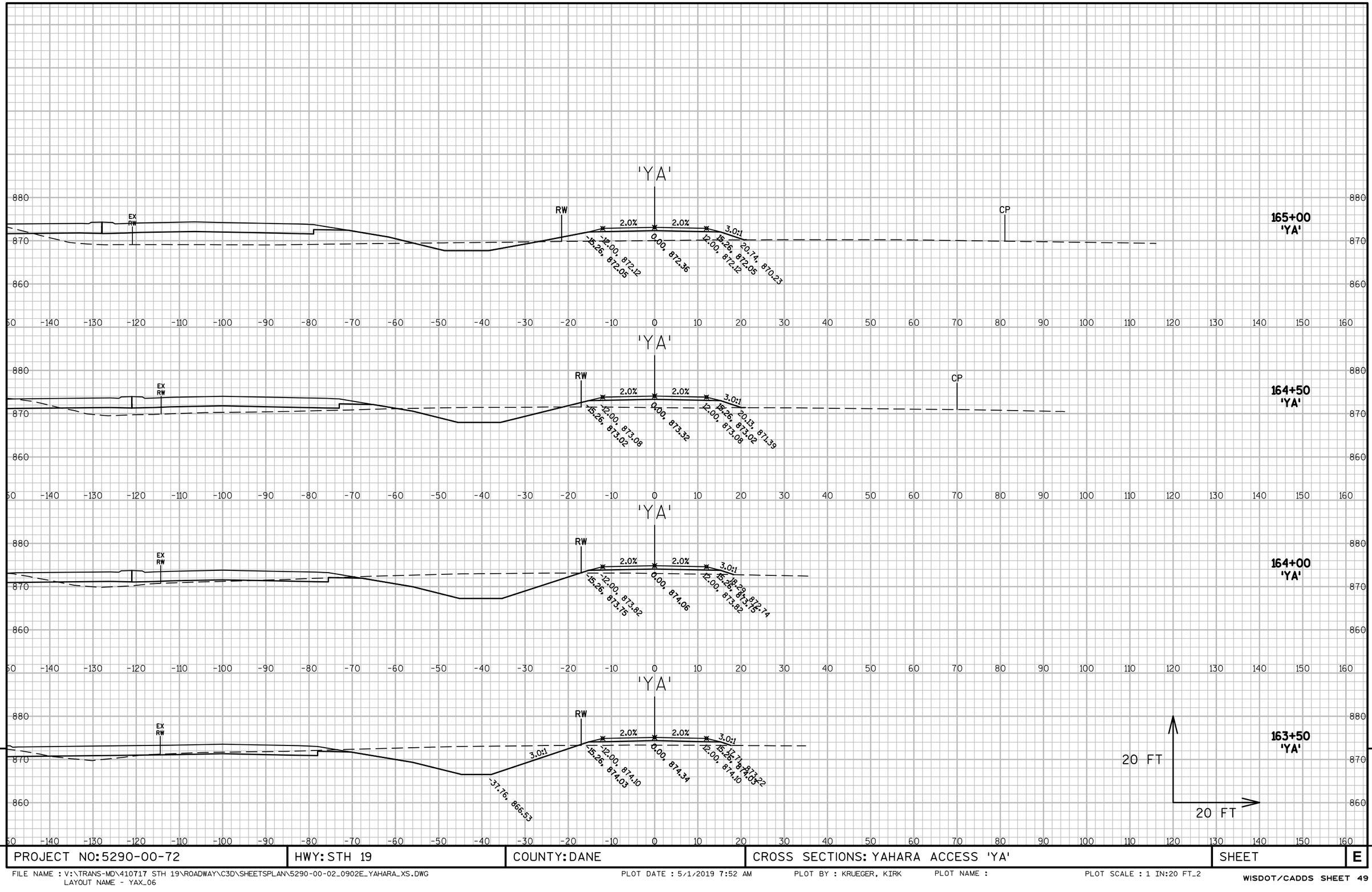
PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: YAHARA ACCESS 'YA'	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0902E_YAHARA_XS.DWG
LAYOUT NAME - YAX_05

PLOT DATE : 5/1/2019 7:52 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:20 FT_2



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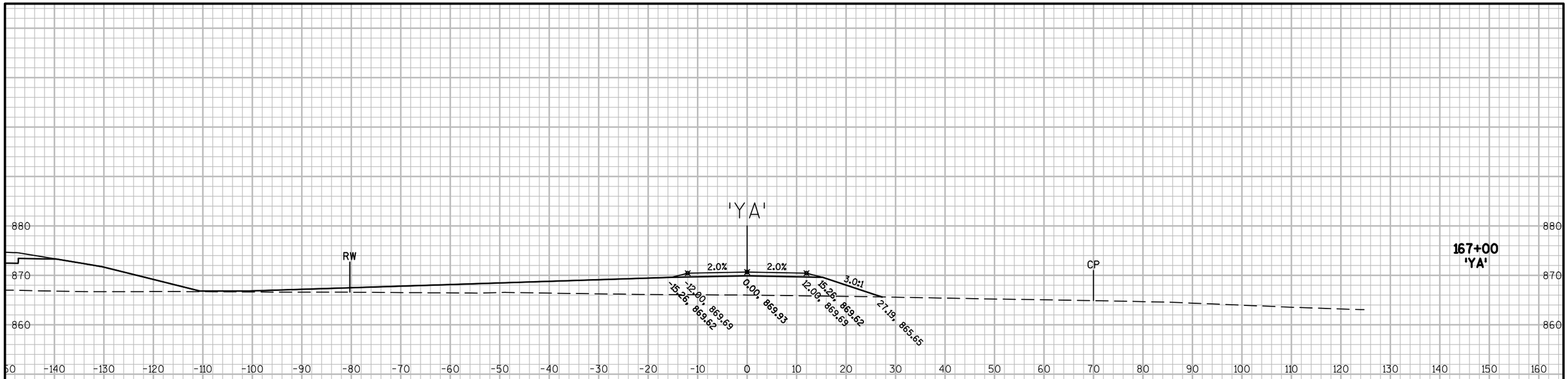
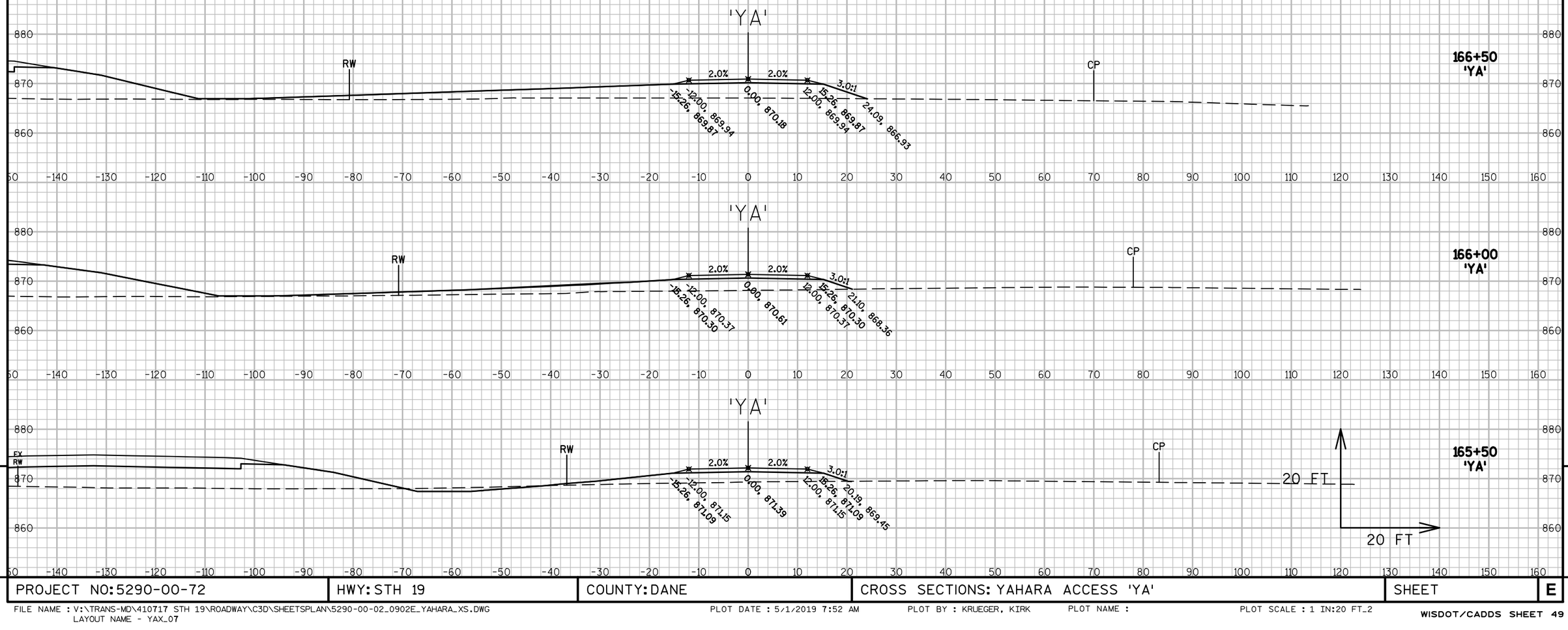
PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: YAHARA ACCESS 'YA'	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0902E_YAHARA_XS.DWG
LAYOUT NAME - YAX_06

PLOT DATE : 5/1/2019 7:52 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:20 FT_2

WISDOT/CADDS SHEET 49





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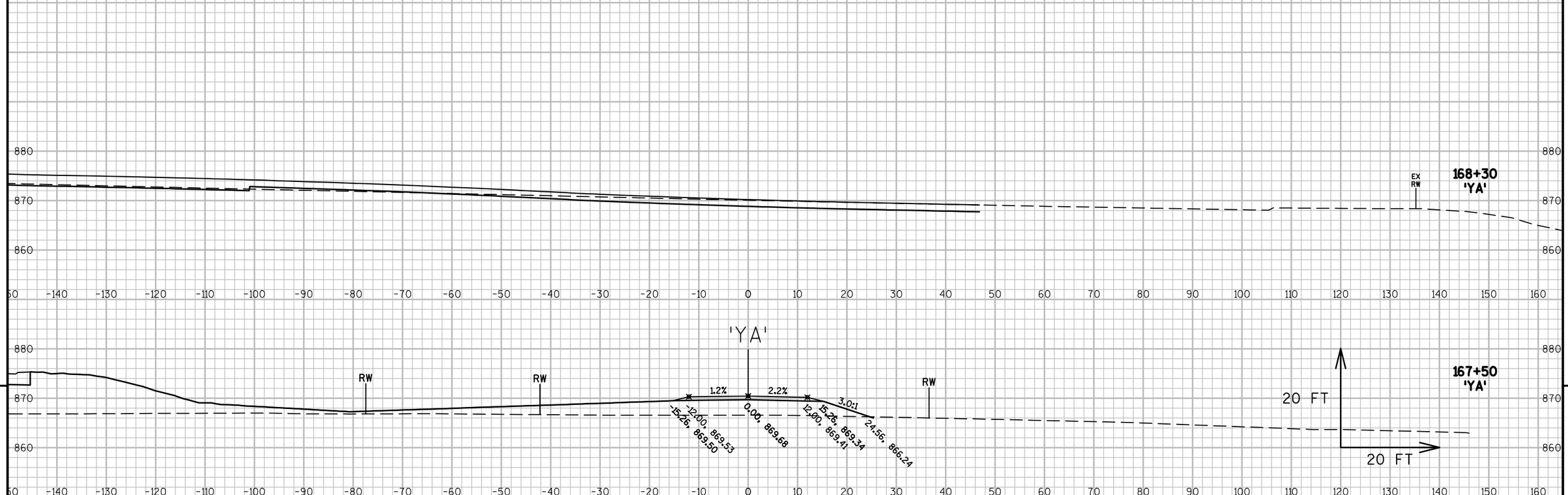
PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: YAHARA ACCESS 'YA'	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0902E_YAHARA_XS.DWG
LAYOUT NAME - YAX_07
PLOT DATE : 5/1/2019 7:52 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:20 FT_2



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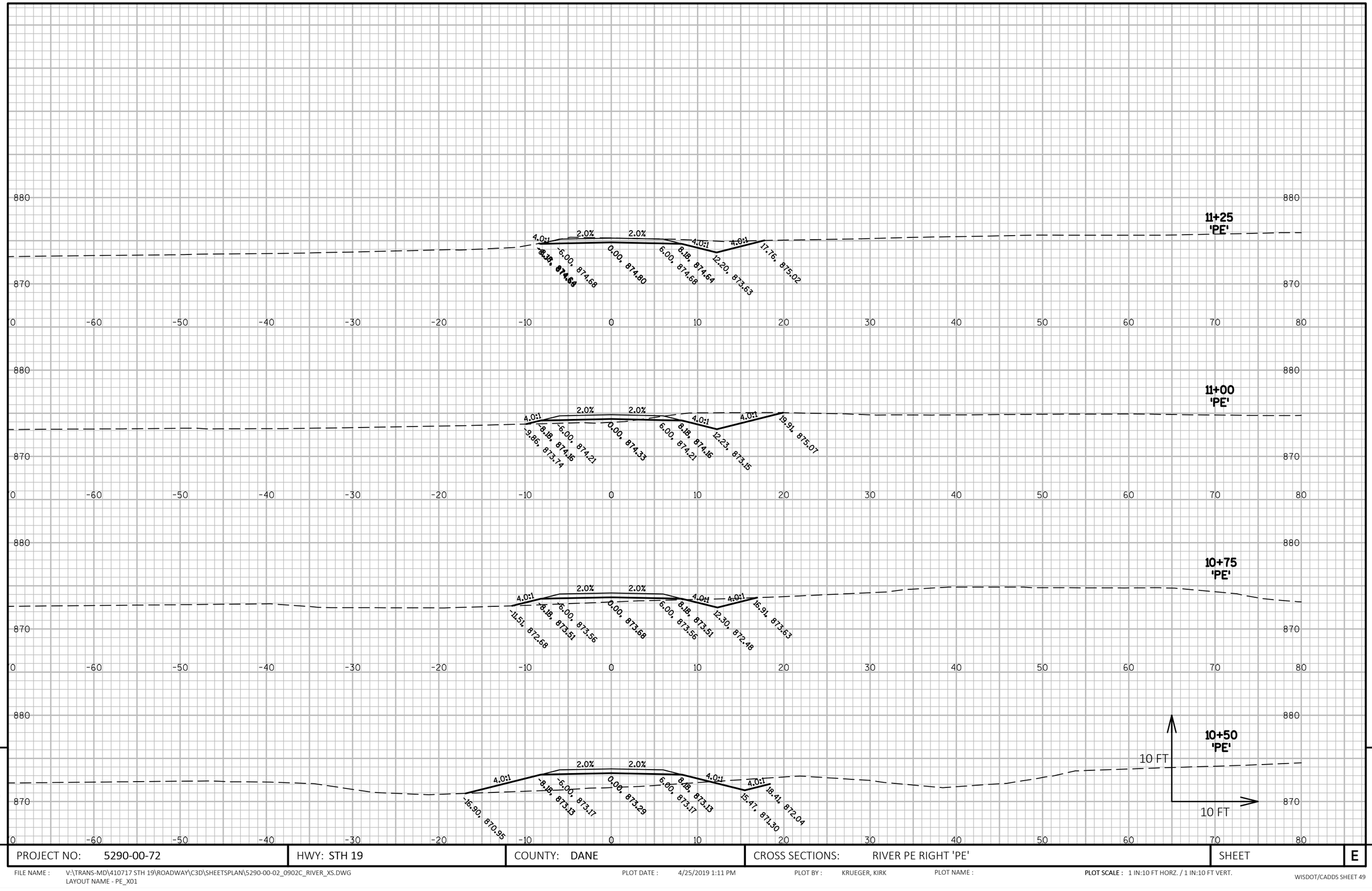
PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: YAHARA ACCESS 'YA'	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0902E_YAHARA_XS.DWG
LAYOUT NAME - YAX_08

PLOT DATE : 5/1/2019 7:52 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:20 FT_2



PROJECT NO: 5290-00-72	HWY: STH 19	COUNTY: DANE	CROSS SECTIONS: RIVER PE RIGHT 'PE'	SHEET	E

FILE NAME : V:\TRANS-MD\410717 STH 19\ROADWAY\C3D\SHEETSPLAN\5290-00-02_0902C_RIVER_XS.DWG
LAYOUT NAME - PE_X01

PLOT DATE : 4/25/2019 1:11 PM PLOT BY : KRUEGER, KIRK PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.