PROJECT ID: 3763-00-74
WITH: N/A

COUNTY: RACINE

ORDER OF SHEETS

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

TOTAL SHEETS =



N

DESIGN DESIGNATION CTH KR

A.A.D.T.	=	16,920 (2018)
A.A.D.T.	=	59,200 (2038)
D.H.V.	=	9,515
D.D.	=	50/50
T.	=	16.8%
DESIGN SPEED	=	50 MPH
ESALS	=	12,000,000

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

CTH KR, V MT PLEASANT

CTH H TO OLD GREENBAY ROAD

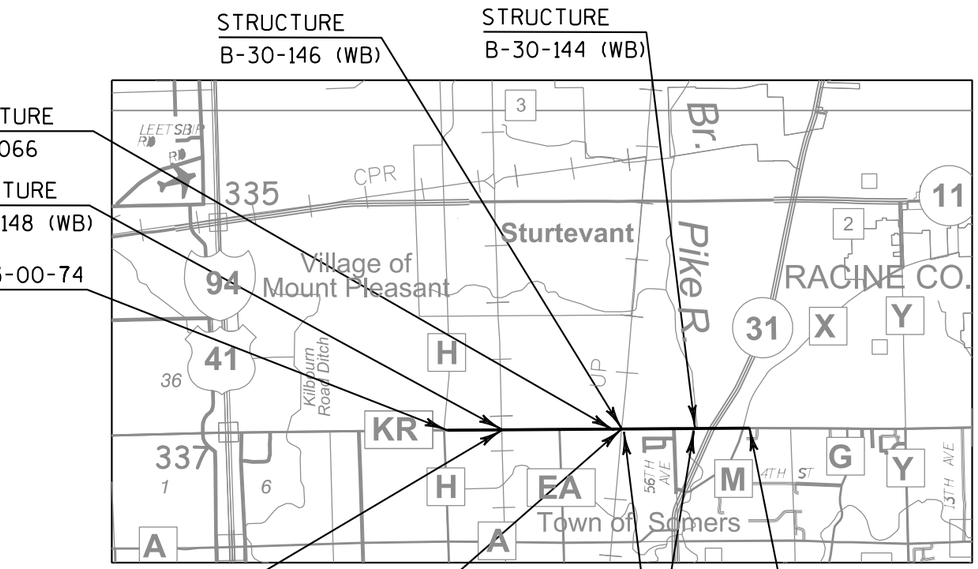
CTH KR

RACINE COUNTY

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
3763-00-74		

STATE PROJECT NUMBER
3763-00-74

APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS SEPTEMBER 3, 2019



LAYOUT
SCALE 0 0.6 MI.

TOTAL NET LENGTH OF CENTERLINE = 2.859 MI.

ELEVATIONS SHOWN ON THIS PLAN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF NAVD 88(1991)

COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), RACINE COUNTY, NAD 1983(1997)

(Date) (Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	KAPUR & ASSOCIATES
Designer	KAPUR & ASSOCIATES
Project Manager	STEVE HOFF
Regional Examiner	
Regional Supervisor	MANOJOY NAG

APPROVED FOR THE DEPARTMENT

DATE: _____ (Signature)

PRE_1

E

GENERAL NOTES

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

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

TEMPORARY STORAGE OF ANY EXCAVATED MATERIAL WILL NOT BE PERMITTED IN WETLAND AREAS.

FERTILIZER SHALL NOT BE USED WITHIN 20 FEET OF NAVIGABLE WATERWAYS OR WETLANDS.

CROSS SECTIONS SHOWN INCLUDE THE THICKNESS OF TOPSOIL WHERE REQUIRED. TOPSOIL SHALL BE PLACED A MINIMUM OF 6 INCHES IN DEPTH.

TOPSOIL SHALL NOT BE PLACED UNTIL APPROVED BY ENGINEER.

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

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

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

EROSION CONTROL DEVICES WILL BE PLACED IN SEQUENCE WITH CONSTRUCTION ACTIVITIES AS DETERMINED BY THE ENGINEER.

INLET PROTECTION IS REQUIRED AT ALL INLETS AS PER DETAIL OR AS DIRECTED BY THE ENGINEER.

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

ALL HOLES OR OPENINGS BELOW SUBGRADE RESULTING FROM ABANDONMENT OR REMOVAL OF EXISTING STRUCTURES WILL BE FILLED WITH COMPACTED BACKFILL GRANULAR GRADE 1 UNLESS REGULATIONS REQUIRED OTHERWISE. BACKFILL GRANULAR GRADE 1 IS INCIDENTAL TO THE REMOVAL ITEM.

PRIOR TO ORDERING DRAINAGE PIPES AND STRUCTURES, THE CONTRACTOR SHALL VERIFY INVERT AND RIM ELEVATIONS IN THE PLAN WITH THE ENGINEER.

INLET AND DISCHARGE ELEVATIONS FOR DRAINAGE STRUCTURES SHOWN ON THE PLAN MAY BE ADJUSTED BY THE ENGINEER TO FIT FIELD CONDITIONS.

LOCATION AND ELEVATION OF STORM SEWER STRUCTURES IN CURB AND GUTTER SECTION REFER TO FLOW LINE OF CURB.

LOCATION AND ELEVATION OF STORM SEWER STRUCTURES NOT IN CURB AND GUTTER REFER TO CENTERLINE OF COVER.

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

CURB AND GUTTER GRADES ARE GIVEN TO THE FLANGE LINE, UNLESS NOTED OTHERWISE.

CURB AND GUTTER JOINT SPACING SHALL MATCH ADJACENT PAVEMENT.

1/2-INCH FELT EXPANSION JOINT MATERIAL IS REQUIRED BETWEEN BACK OF CURB AND FRONT OF WALK OR DRIVEWAY APRON.

EXISTING DRIVEWAYS AND FIELD ENTRANCES SHALL BE RESTORED IN KIND AS DIRECTED BY THE ENGINEER IN THE FIELD AND AT THE LOCATION DETERMINED BY THE ENGINEER.

BROKEN CONCRETE CONTAINING RE-BAR SHALL NOT BE USED AS RIPRAP.

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

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

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FEDERAL HIGHWAY ADMINISTRATION MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).

SIGNS TO BE MOVED SHALL BE STORED AND PROTECTED BY THE CONTRACTOR, FREE FROM DAMAGE, UNTIL SUCH TIME AS THEY ARE RE-INSTALLED.

DESIGN INDEX

TITLE
GENERAL NOTES AND UTILITY CONTACTS
PROJECT OVERVIEW
TYPICAL SECTIONS
STORM SEWER
STAGE CONSTRUCTION
CONTROL AND BENCHMARK OVERVIEW
ALIGNMENT PLAN

PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	GENERAL NOTES AND UTILITY CONTACTS	SHEET E

PRE_2

2

UTILITY CONTACTS

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CELL: (414) 758-9241
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wis.engineering@charter.com

LEVEL 3 COMMUNICATIONS
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OSP ENGINEERING DEPT.
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BROOKFIELD, WI 53045
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NationalRelo@centurylink.com

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MOUNT PLEASANT, VILLAGE OF - SEWER
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RACINE WATER WORKS COMMISSION
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ROGERS TELECOM
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WE ENERGIES - GAS
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ELECTRICAL FIELD UNIT
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WEST ALLIS, WI 53214
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CANADIAN PACIFIC RAILWAY CO.
JIM KRIEGER
501 MARQUETTE AVENUE, SUITE 635
MINNEAPOLIS, MN 55402
PHONE: (612) 904-5994

UNION PACIFIC RAILROAD COMPANY
JOHN VENICE
101 N. WACKER DRIVE, SUITE 1920
CHICAGO, IL 60606
(312) 777-2043
jnvenice@up.com

TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN

WIS. STATUTE 182.0175 (1974) REQUIRES MIN. OF 3 WORK DAYS NOTICE BEFORE YOU EXCAVATE.

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

STANDARD ABBREVIATIONS

<	ANGLE
ADT	AVERAGE DAILY TRAFFIC
AC	ACRE
AE, AEW	APRON ENDWALL
AGG	AGGREGATE
AH	AHEAD
ASPH	ASPHALTIC
BC	BACK OF CURB
BF	BACK FACE
BIT	EXISTING BITUMINOUS
BM	BENCH MARK
BEG	BEGIN
BK	BACK
C & G	CURB AND GUTTER
CABC	CRUSHED AGGREGATE BASE COURSE
CB	CATCH BASIN
CMCP	CORRUGATED METAL CULVERT PIPE
CMP	CORRUGATED METAL PIPE
CP	CULVERT PIPE
CY	CUBIC YARD
CL OR C/L	CENTER LINE
CO	COUNTY
CONC	CONCRETE
CONST	CONSTRUCTION
CR	CREEK
CTH	COUNTY TRUNK HIGHWAY
CWT	HUNDRED WEIGHT
D	DEGREE OF CURVE
△	DELTA
DHV	DESIGN HOUR VOLUME
DIA	DIAMETER
DISCH	DISCHARGE
E	EAST
EA	EACH
EB	EASTBOUND
EBS	EXCAVATION BELOW SUBGRADE
EL, ELEV	ELEVATION
ELEC	ELECTRIC(AL), ELEC CABLE
EMB	EMBANKMENT
ESALS	EQUIVALENT SINGLE AXEL LOADS
ESMT	EASEMENT
EW	ENDWALL
EXC	EXCAVATION
EXIST	EXISTING BITUMINOUS
EXP	EXPANSION
FC	FACE OF CURB
FE	FIELD ENTRANCE
FF	FACE TO FACE
F/L, FL	FLOW LINE
FERT	FERTILIZER
FHWA	FEDERAL HIGHWAY
FT	FOOT (FEET)
G	GAS
GN	GRID NORTH
H	HOUSE
HMA	HOT MIX ASPHALT
HORZ	HORIZONTAL
HP	HIGH POINT
HR	HANDICAP RAMP
HYD	HYDRANT
I	INTERSECTION ANGLE
ID	INSIDE DIAMETER
INL	INLET
INTER	INTERSECTION
INV	INVERT
IP	IRON PIPE
JT	JOINT
K	RATE OF VERTICAL CURVATURE
L	LENGTH OF CURVE
LB	POUND
LC	LONG CHORD OF CURVE
LP	LOW POINT
LF	LINEAR FOOT(FEET)
LHF	LEFT HAND FORWARD
LS	LUMP SUM
LT	LEFT
M	MARSH
MATL	MATERIAL
MP	MARKER POST
MAX	MAXIMUM
MGAL	1000 GALLONS
MH	MANHOLE
MIN	MINIMUM
ML OR M/L	MATCH LINE
N	NORTH
NB	NORTHBOUND
NC	NORMAL CROWN OR NO CHANGE
NO	NUMBER
NW OR N/W	NORMAL WATER
OBLIT	OBLITERATE
OD	OUTSIDE DIAMETER
PAVT	PAVEMENT
PC	POINT OF CURVATURE
PCC	POINT OF COMPOUND CURVE
PE	PRIVATE ENTRANCE
PGL	PROFILE GRADE LINE
PI	POINT OF INTERSECTION
PL	PROPERTY LINE
PLE	PERMANENT LIMITED EASEMENT
PRC	POINT OF REVERSE CURVE
PROJ	PROJECT
PSI	POUNDS PER SQUARE INCH
PT	POINT OF TANGENCY
PVC	POLYVINYL CHLORIDE
PAV'T	PAVEMENT
PCC	PORTLAND CEMENT CONCRETE
R	RADIUS OR RANGE
RC	REVERSE CURVE
RCCP	REINFORCED CONCRETE CULVERT PIPE
RCHECP	REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CULVERT PIPE
RCPSS	REINFORCED CONCRETE PIPE STORM SEWER
RHF	RIGHT HAND FORWARD
R/L	REFERENCE LINE
R/W	RIGHT OF WAY
RD	ROAD
RDWY	ROADWAY
REL	RELOCATE
REM	REMAINING
REQD	REQUIRED
RO	RUN OFF LENGTH
RT	RIGHT
RW	RETAINING WALL
S	SOUTH
SALV	SALVAGED
SAN	SANITARY
SB	SOUTHBOUND
SDD	STANDARD DETAIL DRAWINGS
SE	SUPERELEVATION
SEC	SECTION
SF	SQUARE FOOT (FEET)
S/L	SURVEY LINE
SHLDR	SHOULDER(S)
SHR	SHRINKAGE
SPECS	SPECIFICATIONS
SS	STORM SEWER
STA	STATION
STH	STATE TRUNK HIGHWAY
STR	STRUCTURE
SW	SIDEWALK
SY	SQUARE YARD
TAN	TANGENT
TEL	TELEPHONE
T	(TRUCKS) PERCENT OF
TC	TOP OF CURB
TAN	TANGENT
TEMP	TEMPORARY
TL OR T/L	TRANSIT LINE
TLE	TEMPORARY LIMITED EASEMENT
TYP	TYPICAL
UG	UNDERGROUND (CABLE)
UNCL	UNCLASSIFIED
VAR	VARIABLE
VCL	VERTICAL CURVE LENGTH
VPC	VERTICAL POINT OF CURVATURE
VPCC	VERTICAL POINT OF COMPOUND CURVE
VPI	VERTICAL POINT OF INTERSECTION
VPRC	VERTICAL POINT OF REVERSE CURVE
VPT	VERTICAL POINT OF TANGENCY
VLV	VALVE
VOL	VOLUME
W	WEST
WB	WESTBOUND
WV	WATER VALVE
X	EASTING OR EAST GRID COORDINATE
Y	NORTHING OR NORTH GRID COORDINATE
YD	YARD

2

PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	GENERAL NOTES AND UTILITY CONTACTS	SHEET E

PRE_3

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WISDOT/CADDS SHEET 42

2

2

N

COUNTY H

BEGIN PROJECT 3763-00-74
STA 452+75.00

POND G

POND L

PROPOSED R/W

450+00 455+00 460+00 465+00 470+00 475+00 480+00 485+00 490+00 495+00 500+00 505+00 510+00 515+00 520+00 525+00 530+00 535+00 540+00

PROJECT
3760-00-70
CONSTRUCTED
2019/2020

COUNTY H

CPRR

B-30-148

B-30-147

R-30-67

R-30-68

RACINE COUNTY

KENOSHA COUNTY

WETLAND BOUNDARY (TYP)

R/L CTH KR

COUNTY KR

PROPOSED R/W

90TH STREET

70'00

65'00

66'00

55'00

PROPOSED R/W

POND M

R/L 72ND AVE

72ND AVE

UPRR

B-30-146

B-30-145

R-30-066

R-30-065

UPRR

PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	PROJECT OVERVIEW	SHEET E

PRE_4

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\020201_PO.dgn PLOT DATE : 8/29/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:600

WISDOT/CADDS SHEET 42

2

PROPOSED SHARED USE PATH

EXISTING PIKE RIVER TRAIL

RACINE COUNTY

POND N

PIKE RIVER

S.T.H. 31

OLD GREEN BAY ROAD

VICKSBURG DR

B-30-144

R/L CTH KR

PROPOSED R/W

COUNTY KR

B-30-143

R-30-065

KENOSHA COUNTY

56TH AVE

43RD AVE

END PROJECT 3763-00-74

STA 603+70.91

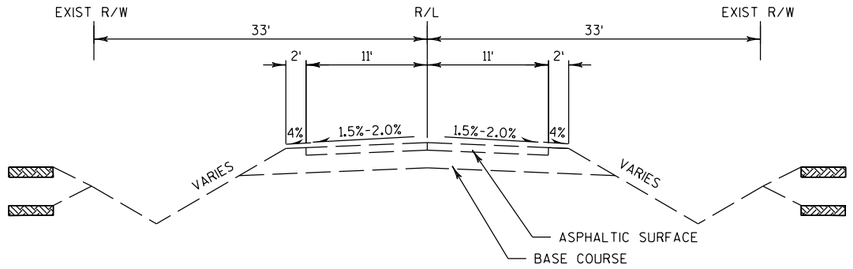
EXISTING SHARED-USE TRAIL

REGENERATIVE STORM WATER CONVEYANCE

PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	PROJECT OVERVIEW	SHEET E

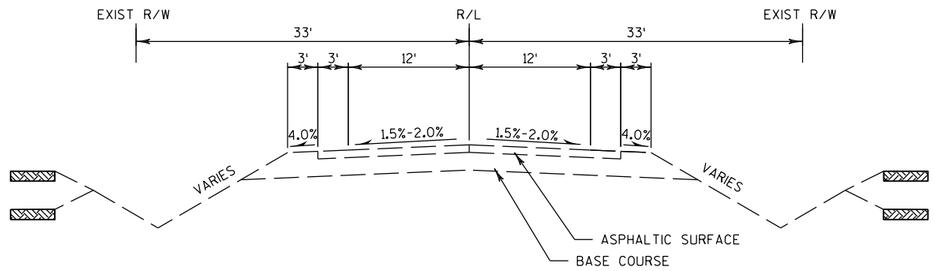
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2



72ND AVE / 90TH ST TYPICAL EXISTING SECTION

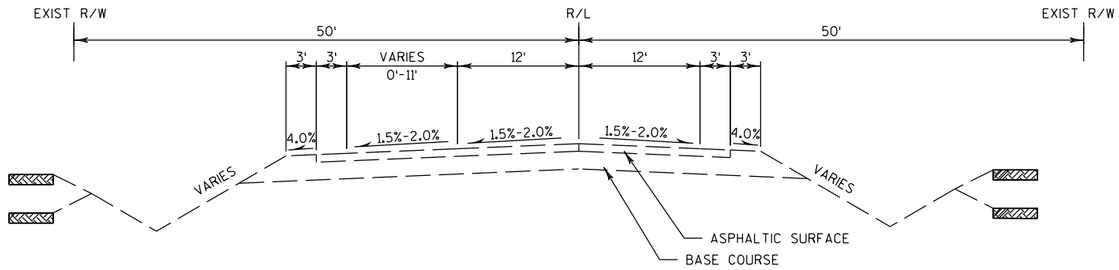
STA 51+81 TO STA 68+19



CTH KR TYPICAL EXISTING SECTION

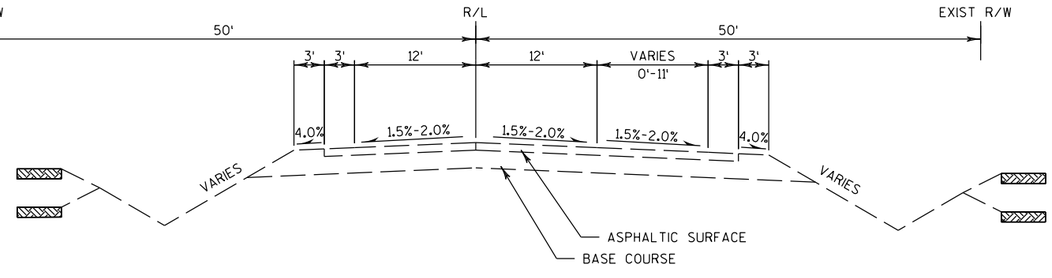
STA 452+75 TO STA 603+70

PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	EXISTING TYPICAL SECTIONS	SHEET PRE_6 E



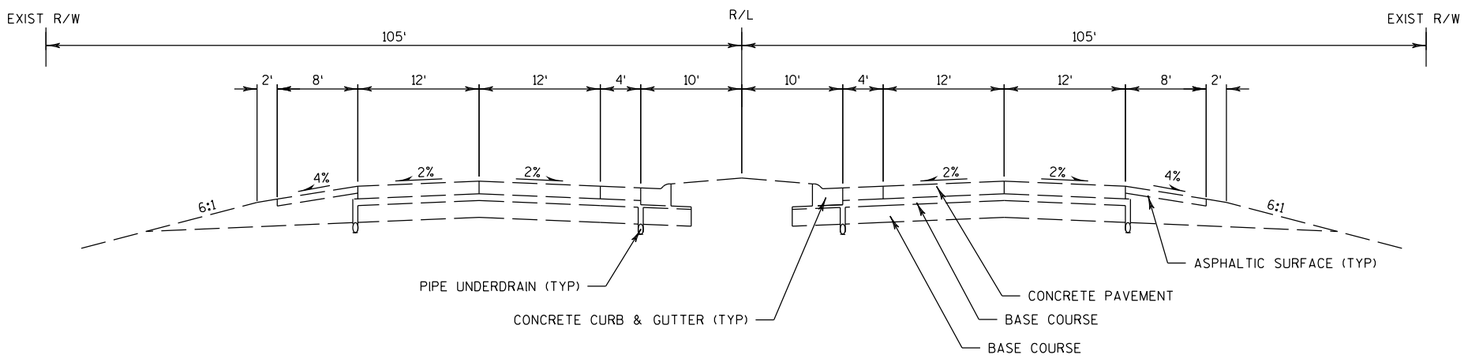
OLD GREEN BAY RD TYPICAL EXISTING SECTION

STA 713+00 TO STA 717+09



OLD GREEN BAY RD TYPICAL EXISTING SECTION

STA 709+24 TO STA 711+50



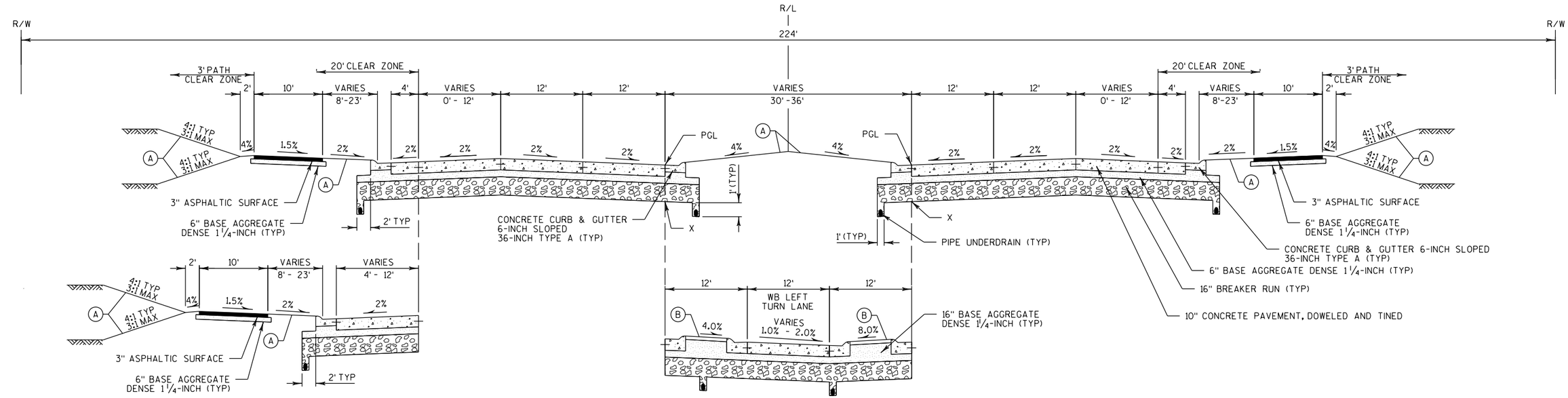
STH 31 TYPICAL EXISTING SECTION

STA 312+60 TO STA 321+78

PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	EXISTING TYPICAL SECTIONS	SHEET E

PRE_7

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\020301_TS.dgn PLOT DATE : 8/28/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:15



STA 452+75 TO STA 456+03

STA 452+75 TO STA 454+16

CTH KR TYPICAL FINISHED SECTION

STA 452+75 TO STA 467+98

NOTES:

1) USE 4" BASE AGGREGATE DENSE 1 1/4-INCH BENEATH CONCRETE SIDEWALK 5-INCH AT CURB RAMP LOCATIONS.

2) PLACE PIPE UNDERDRAIN 6-INCH SPECIAL FOR 50' UPSTREAM OF INLETS.

3) REFER TO PAVING GRADES FOR CROSS SLOPE± TRANSITION LOCATIONS THROUGH INTERSECTIONS.

LEGEND

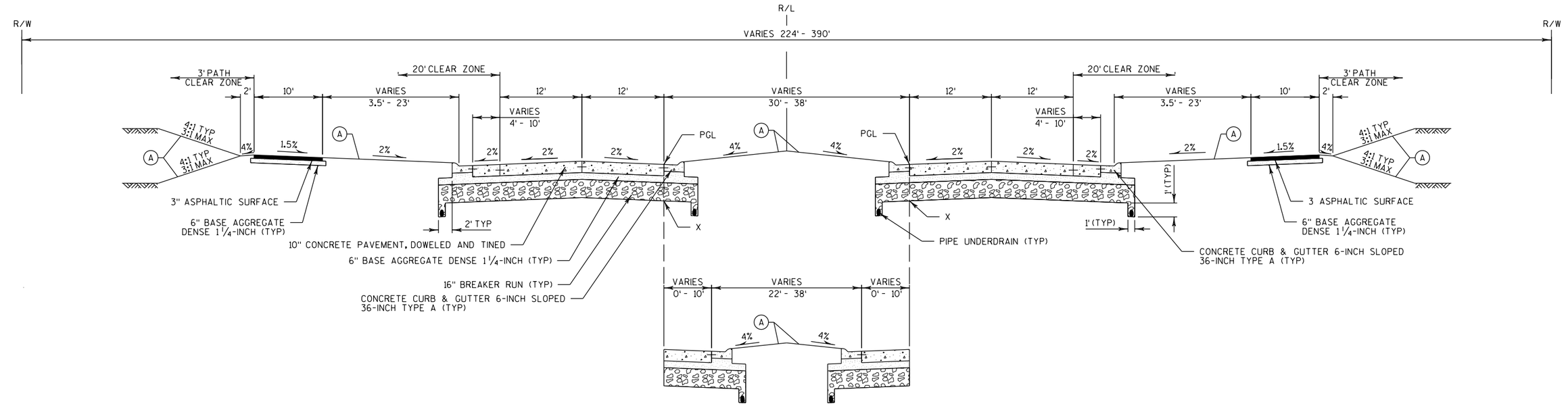
(A) TOPSOIL SPECIAL, FERTILIZER, SEED AND EROSION MAT

(B) CONCRETE SIDEWALK 5-INCH

X = POINT REFERENCED ON CROSS SECTIONS
PGL = POINT REFERRED TO ON PROFILE

PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	TYPICAL SECTIONS CTH KR	SHEET E

PRE_8



STA 474+68 TO STA 480+25

CTH KR TYPICAL FINISHED SECTION

STA 467+98 TO STA 496+50

NOTES:

1) USE 4" BASE AGGREGATE DENSE 1 1/4-INCH BENEATH CONCRETE SIDEWALK 5-INCH AT CURB RAMP LOCATIONS.

2) PLACE PIPE UNDERDRAIN 6-INCH SPECIAL FOR 50' UPSTREAM OF INLETS.

3) REFER TO PAVING GRADES FOR CROSS SLOPE± TRANSITION LOCATIONS THROUGH INTERSECTIONS.

LEGEND

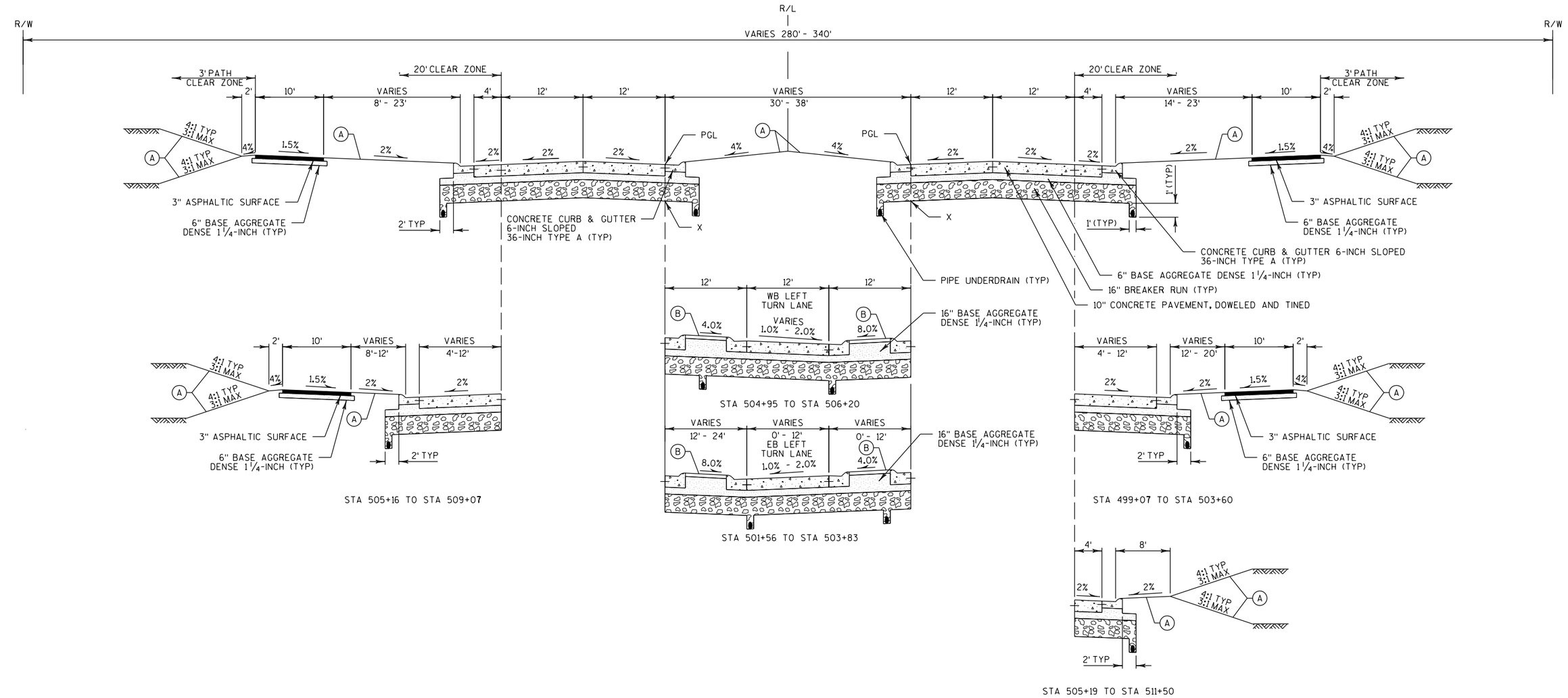
(A) TOPSOIL SPECIAL, FERTILIZER, SEED AND EROSION MAT

(B) CONCRETE SIDEWALK 5-INCH

X = POINT REFERENCED ON CROSS SECTIONS
PGL = POINT REFERRED TO ON PROFILE

PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	TYPICAL SECTIONS CTH KR	SHEET E

PRE_9



CTH KR TYPICAL FINISHED SECTION

STA 496+50 TO STA 511+50

NOTES:

1) USE 4" BASE AGGREGATE DENSE 1 1/4-INCH BENEATH CONCRETE SIDEWALK 5-INCH AT CURB RAMP LOCATIONS.

2) PLACE PIPE UNDERDRAIN 6-INCH SPECIAL FOR 50' UPSTREAM OF INLETS.

3) REFER TO PAVING GRADES FOR CROSS SLOPE± TRANSITION LOCATIONS THROUGH INTERSECTIONS.

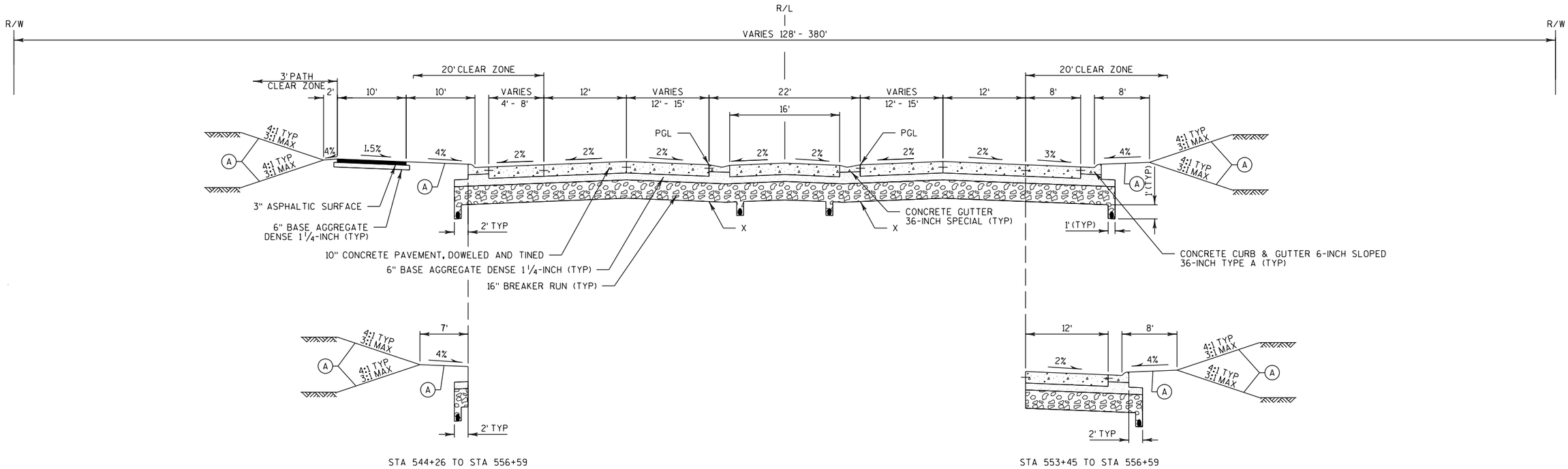
LEGEND

(A) TOPSOIL SPECIAL, FERTILIZER, SEED AND EROSION MAT

(B) CONCRETE SIDEWALK 5-INCH

X = POINT REFERENCED ON CROSS SECTIONS
PGL = POINT REFERRED TO ON PROFILE

PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	TYPICAL SECTIONS CTH KR	SHEET E



STA 544+26 TO STA 556+59

STA 553+45 TO STA 556+59

CTH KR TYPICAL FINISHED SECTION

STA 538+50 TO STA 556+59

NOTES:

1) USE 4" BASE AGGREGATE DENSE 1 1/4-INCH BENEATH CONCRETE SIDEWALK 5-INCH AT CURB RAMP LOCATIONS.

2) PLACE PIPE UNDERDRAIN 6-INCH SPECIAL FOR 50' UPSTREAM OF INLETS.

3) REFER TO PAVING GRADES FOR CROSS SLOPE± TRANSITION LOCATIONS THROUGH INTERSECTIONS.

LEGEND

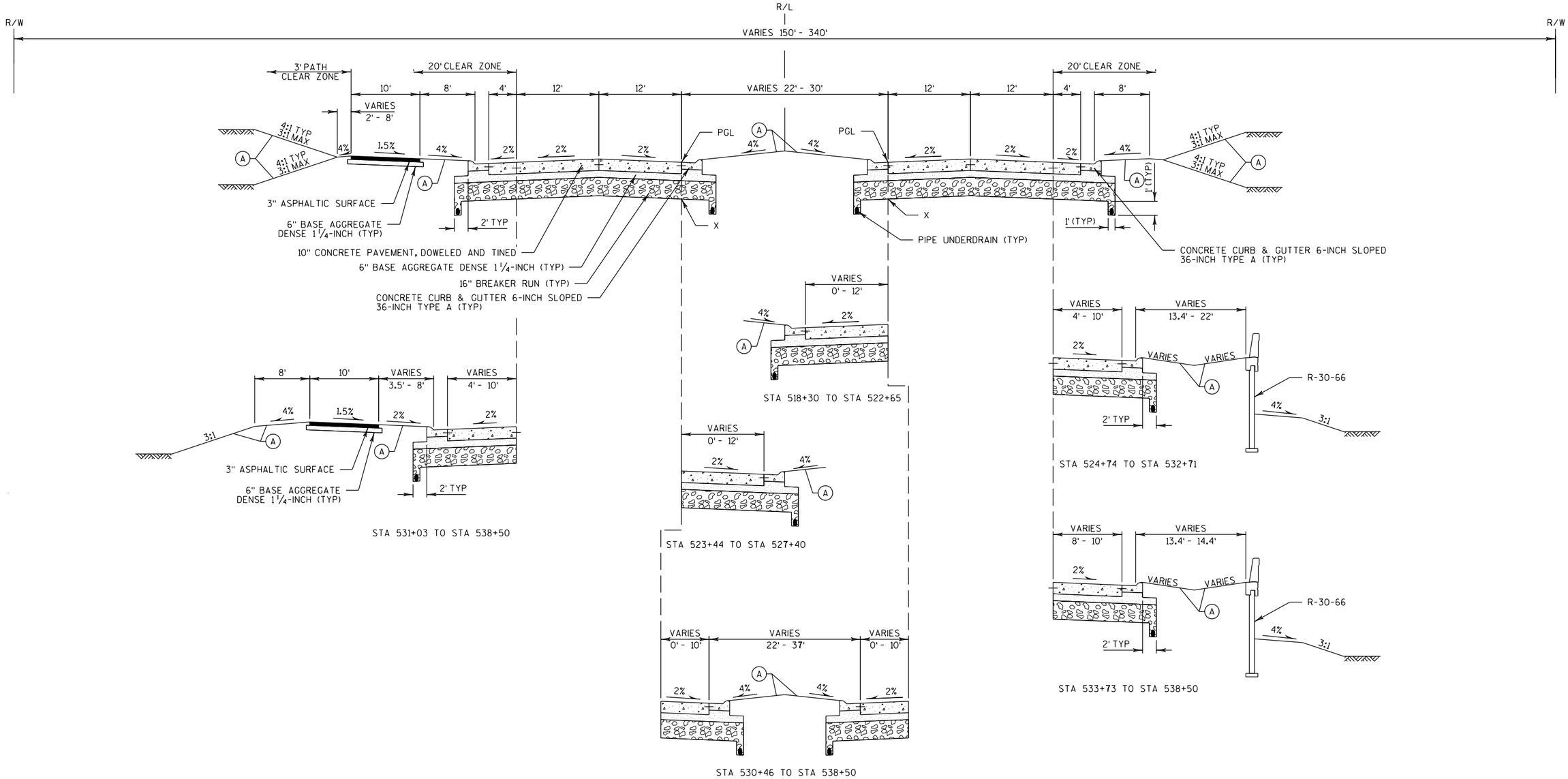
(A) TOPSOIL SPECIAL, FERTILIZER, SEED AND EROSION MAT

(B) CONCRETE SIDEWALK 5-INCH

X = POINT REFERENCED ON CROSS SECTIONS
PGL = POINT REFERRED TO ON PROFILE

PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	TYPICAL SECTIONS CTH KR	SHEET E

PRE_11



CTH KR TYPICAL FINISHED SECTION

STA 511+50 TO STA 538+50

NOTES:

1) USE 4" BASE AGGREGATE DENSE 1 1/4-INCH BENEATH CONCRETE SIDEWALK 5-INCH AT CURB RAMP LOCATIONS.

2) PLACE PIPE UNDERDRAIN 6-INCH SPECIAL FOR 50' UPSTREAM OF INLETS.

3) REFER TO PAVING GRADES FOR CROSS SLOPE± TRANSITION LOCATIONS THROUGH INTERSECTIONS.

LEGEND

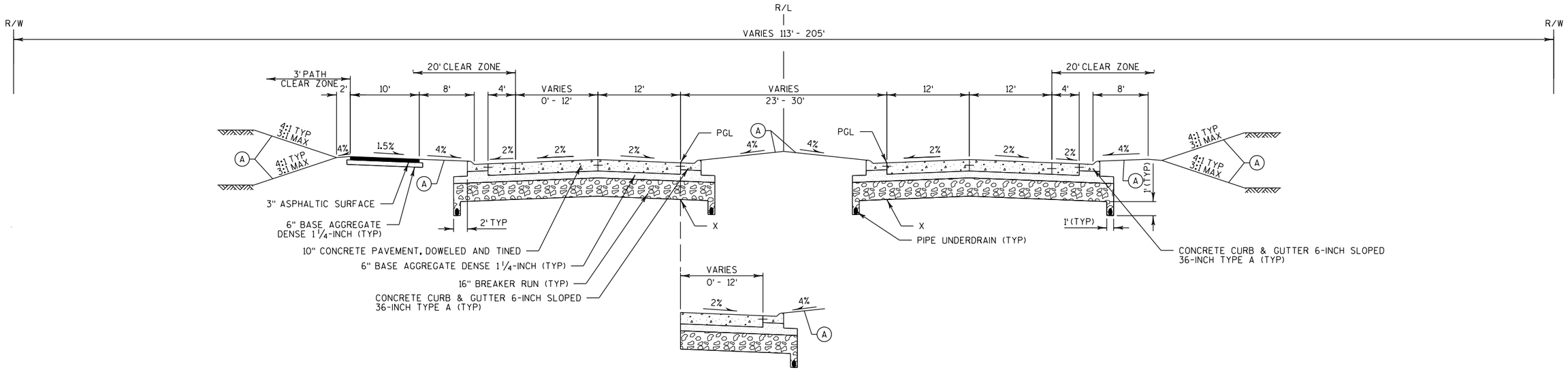
(A) TOPSOIL SPECIAL, FERTILIZER, SEED AND EROSION MAT

(B) CONCRETE SIDEWALK 5-INCH

X = POINT REFERENCED ON CROSS SECTIONS
PGL = POINT REFERRED TO ON PROFILE

PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	TYPICAL SECTIONS CTH KR	SHEET E

2



STA 589+93 TO STA 592+69

CTH KR TYPICAL FINISHED SECTION

STA 589+50 TO STA 595+59

NOTES:

1) USE 4" BASE AGGREGATE DENSE 1 1/4-INCH BENEATH CONCRETE SIDEWALK 5-INCH AT CURB RAMP LOCATIONS.

2) PLACE PIPE UNDERDRAIN 6-INCH SPECIAL FOR 50' UPSTREAM OF INLETS.

3) REFER TO PAVING GRADES FOR CROSS SLOPE± TRANSITION LOCATIONS THROUGH INTERSECTIONS.

LEGEND

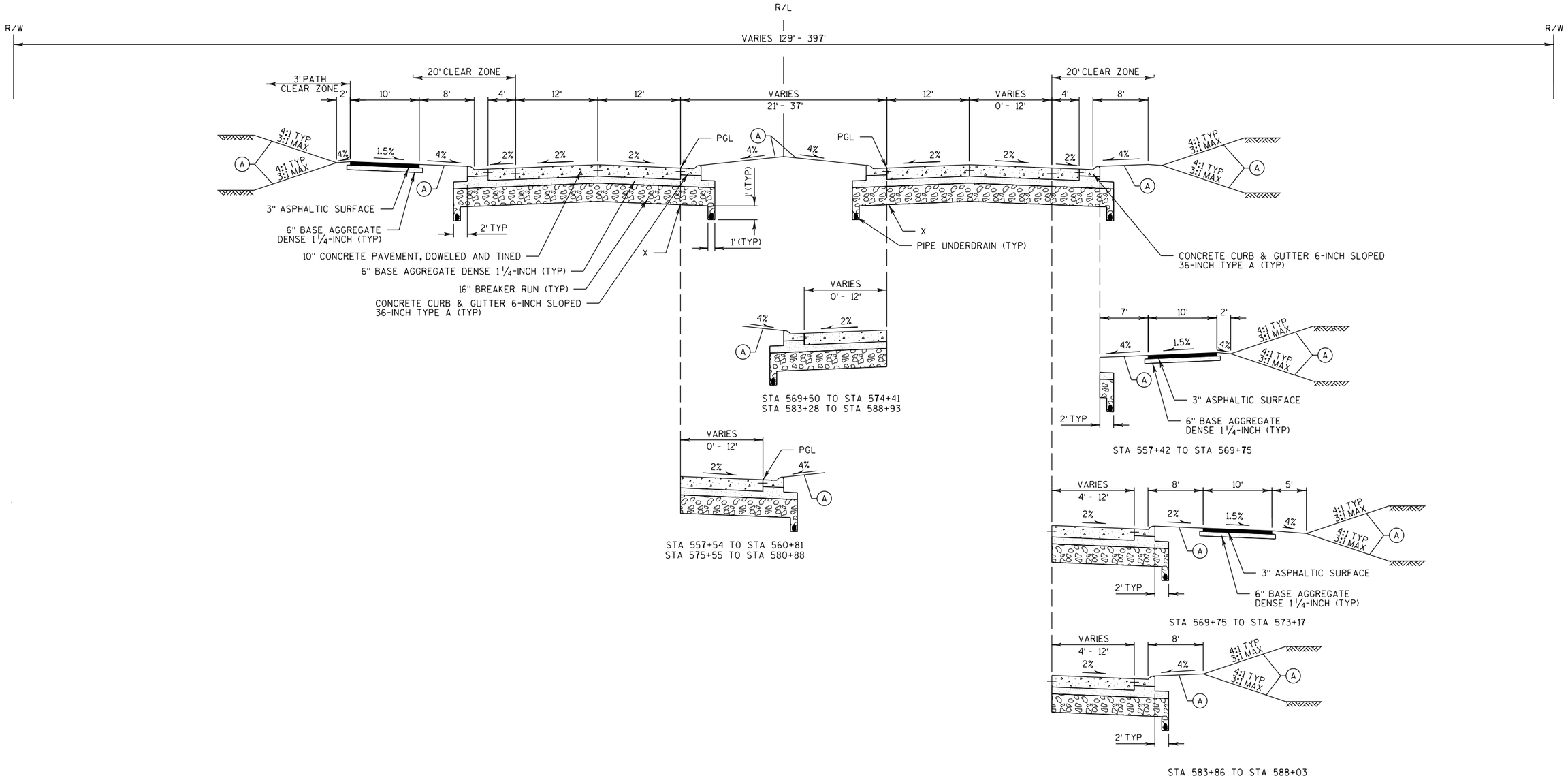
(A) TOPSOIL SPECIAL, FERTILIZER, SEED AND EROSION MAT

(B) CONCRETE SIDEWALK 5-INCH

X = POINT REFERENCED ON CROSS SECTIONS
PGL = POINT REFERRED TO ON PROFILE

PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	TYPICAL SECTIONS CTH KR	SHEET E

PRE_13



CTH KR TYPICAL FINISHED SECTION

STA 556+59 TO STA 589+50

NOTES:

1) USE 4" BASE AGGREGATE DENSE 1 1/4-INCH BENEATH CONCRETE SIDEWALK 5-INCH AT CURB RAMP LOCATIONS.

2) PLACE PIPE UNDERDRAIN 6-INCH SPECIAL FOR 50' UPSTREAM OF INLETS.

3) REFER TO PAVING GRADES FOR CROSS SLOPE± TRANSITION LOCATIONS THROUGH INTERSECTIONS.

LEGEND

(A) TOPSOIL SPECIAL, FERTILIZER, SEED AND EROSION MAT

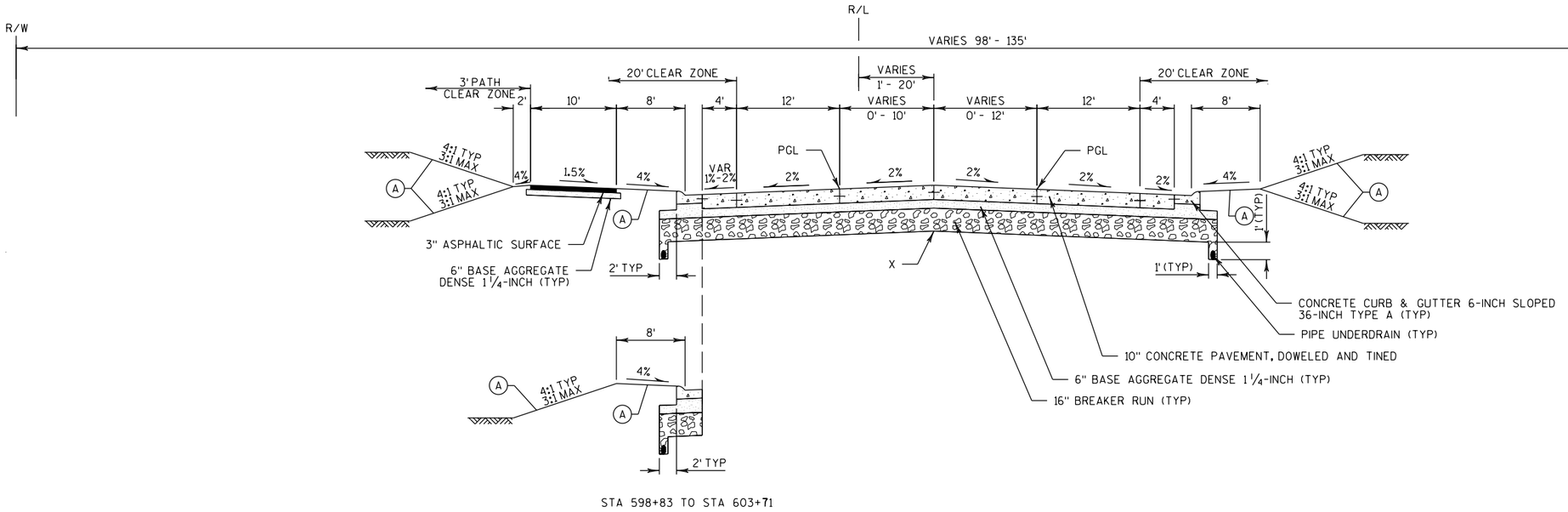
(B) CONCRETE SIDEWALK 5-INCH

X = POINT REFERENCED ON CROSS SECTIONS
PGL = POINT REFERRED TO ON PROFILE

PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	TYPICAL SECTIONS CTH KR	SHEET E

PRE_14

2



STA 598+83 TO STA 603+71

CTH KR TYPICAL FINISHED SECTION

STA 595+59 TO STA 603+71

NOTES:

1) USE 4" BASE AGGREGATE DENSE 1 1/4-INCH BENEATH CONCRETE SIDEWALK 5-INCH AT CURB RAMP LOCATIONS.

2) PLACE PIPE UNDERDRAIN 6-INCH SPECIAL FOR 50' UPSTREAM OF INLETS.

3) REFER TO PAVING GRADES FOR CROSS SLOPE± TRANSITION LOCATIONS THROUGH INTERSECTIONS.

LEGEND

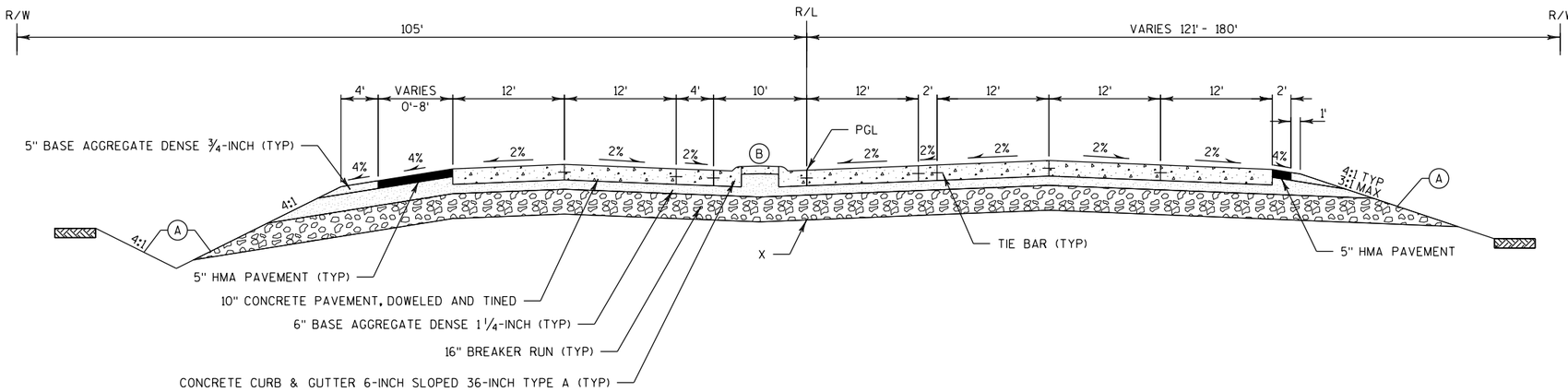
(A) TOPSOIL SPECIAL, FERTILIZER, SEED AND EROSION MAT

(B) CONCRETE SIDEWALK 5-INCH

X = POINT REFERENCED ON CROSS SECTIONS
PGL = POINT REFERRED TO ON PROFILE

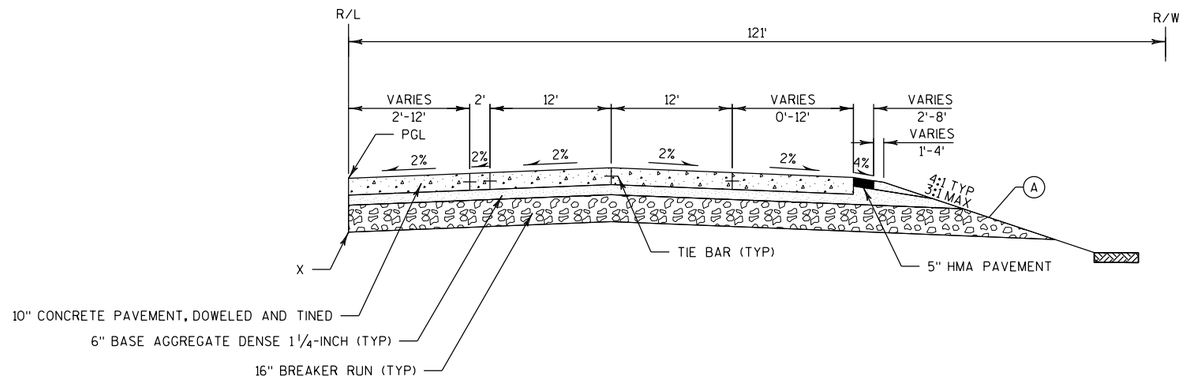
PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	TYPICAL SECTIONS CTH KR	SHEET E

PRE_15



STH 31 TYPICAL FINISHED SECTION

STA 312+61 TO STA 315+50



STH 31 TYPICAL FINISHED SECTION

STA 309+11 TO STA 312+61

LEGEND

(A) TOPSOIL SPECIAL, FERTILIZER, SEED AND EROSION MAT

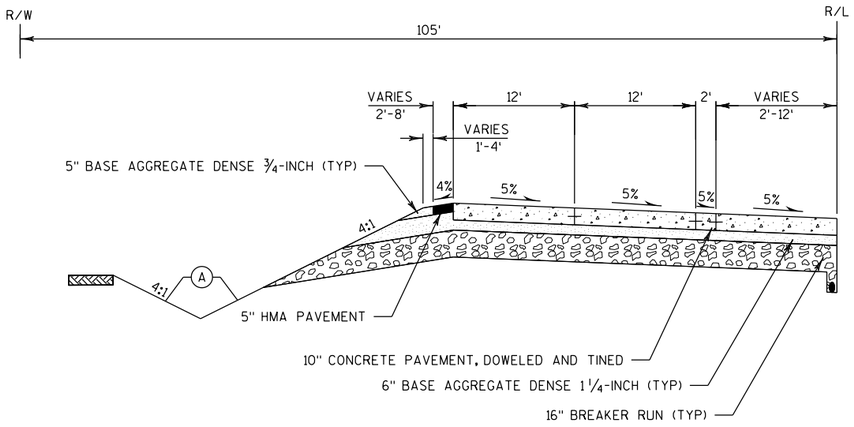
(B) CONCRETE SIDEWALK 5-INCH

X = POINT REFERENCED ON CROSS SECTIONS
PGL = POINT REFERRED TO ON PROFILE

PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	TYPICAL SECTIONS	SHEET E

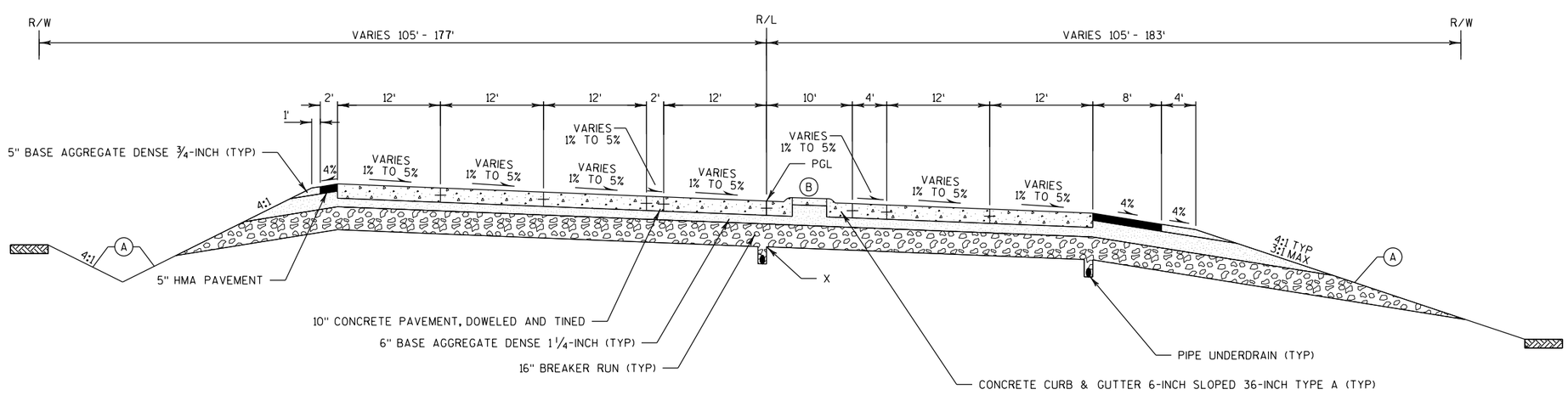
PRE_16

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\020303_TS.dgn PLOT DATE : 8/28/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:15



STH 31 TYPICAL FINISHED SECTION

STA 319+36 TO STA 321+79



STH 31 TYPICAL FINISHED SECTION

STA 316+52 TO STA 319+36

LEGEND

(A) TOPSOIL SPECIAL, FERTILIZER, SEED AND EROSION MAT

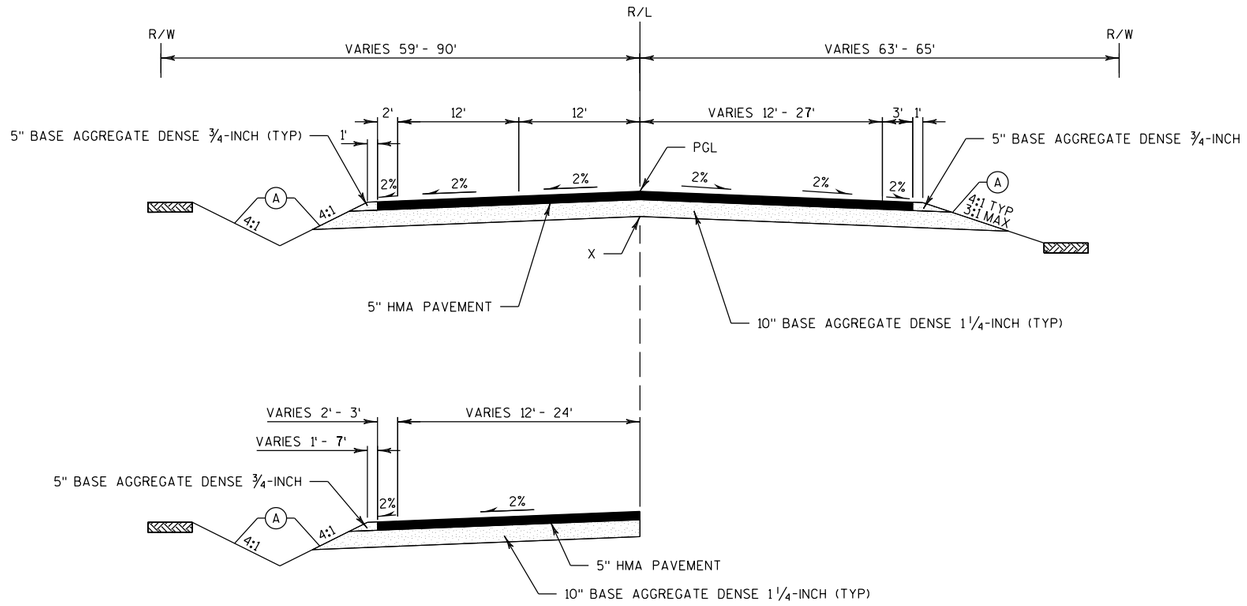
(B) CONCRETE SIDEWALK 5-INCH

X = POINT REFERENCED ON CROSS SECTIONS
PGL = POINT REFERRED TO ON PROFILE

PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	TYPICAL SECTIONS	SHEET E

PRE_17

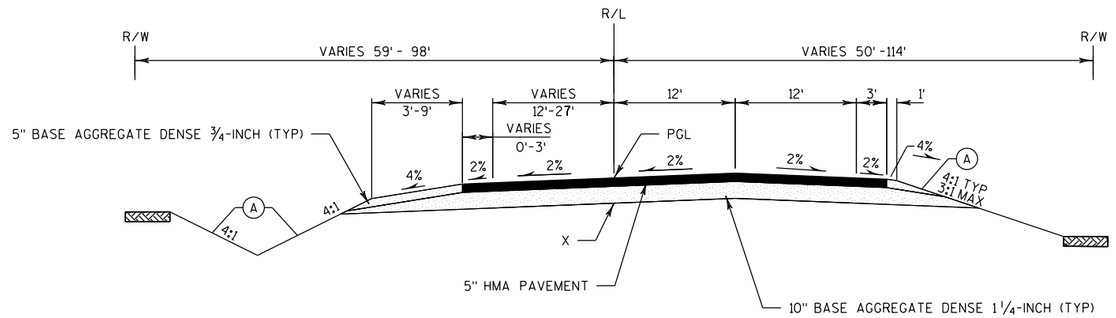
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STA 715+05 TO STA STA 717+10

OLD GREEN BAY ROAD TYPICAL FINISHED SECTION

STA 712+74 TO STA 717+10



OLD GREEN BAY ROAD TYPICAL FINISHED SECTION

STA 709+25 TO STA 711+54

LEGEND

(A) TOPSOIL SPECIAL, FERTILIZER, SEED AND EROSION MAT

(B) CONCRETE SIDEWALK 5-INCH

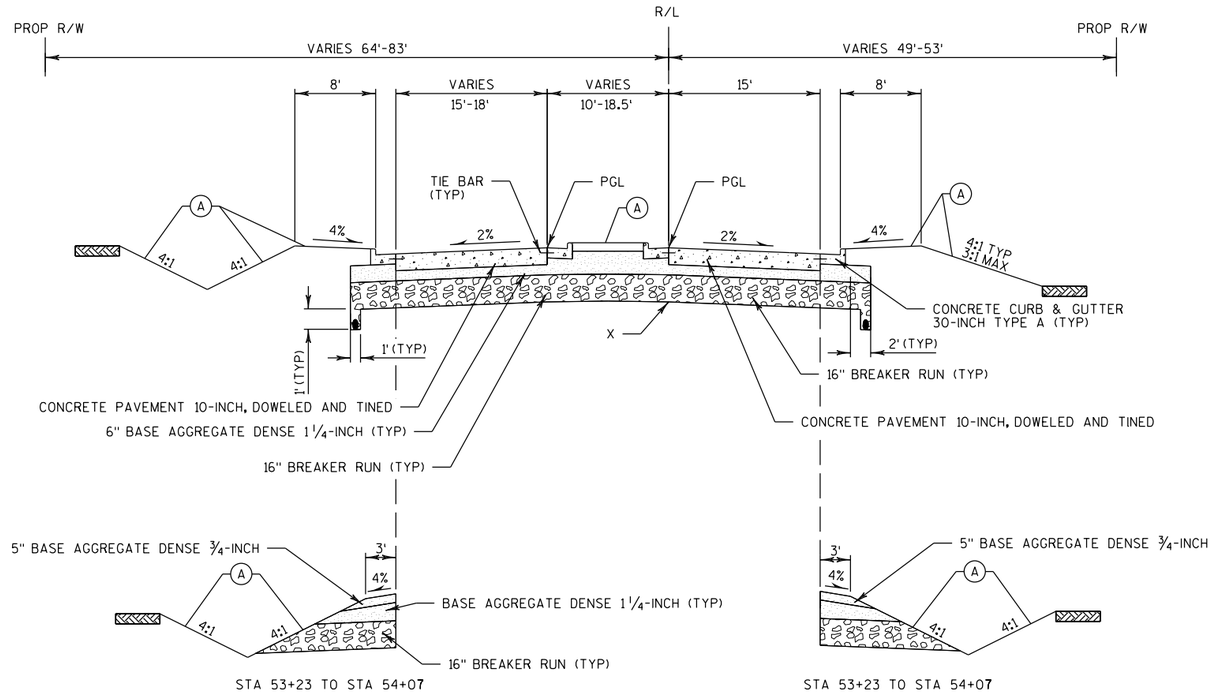
X = POINT REFERENCED ON CROSS SECTIONS
PGL = POINT REFERRED TO ON PROFILE

PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	TYPICAL SECTIONS	SHEET E

PRE_18

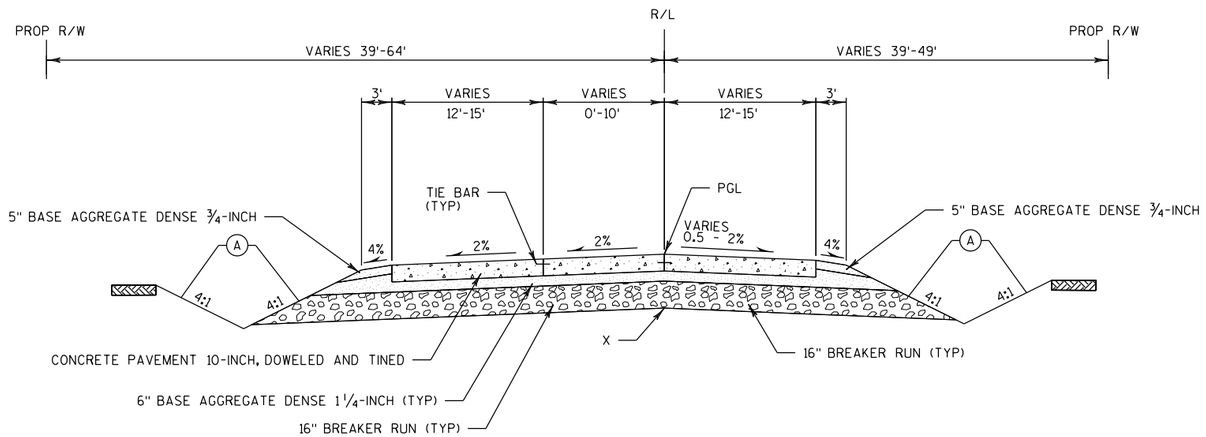
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WISDOT/CADDS SHEET 42



72ND AVE TYPICAL FINISHED SECTION

STA 53+23 TO STA 54+18



72ND AVE TYPICAL FINISHED SECTION

STA 51+81 TO STA 53+23

LEGEND

(A) TOPSOIL SPECIAL, FERTILIZER, SEED AND EROSION MAT

(B) CONCRETE SIDEWALK 5-INCH

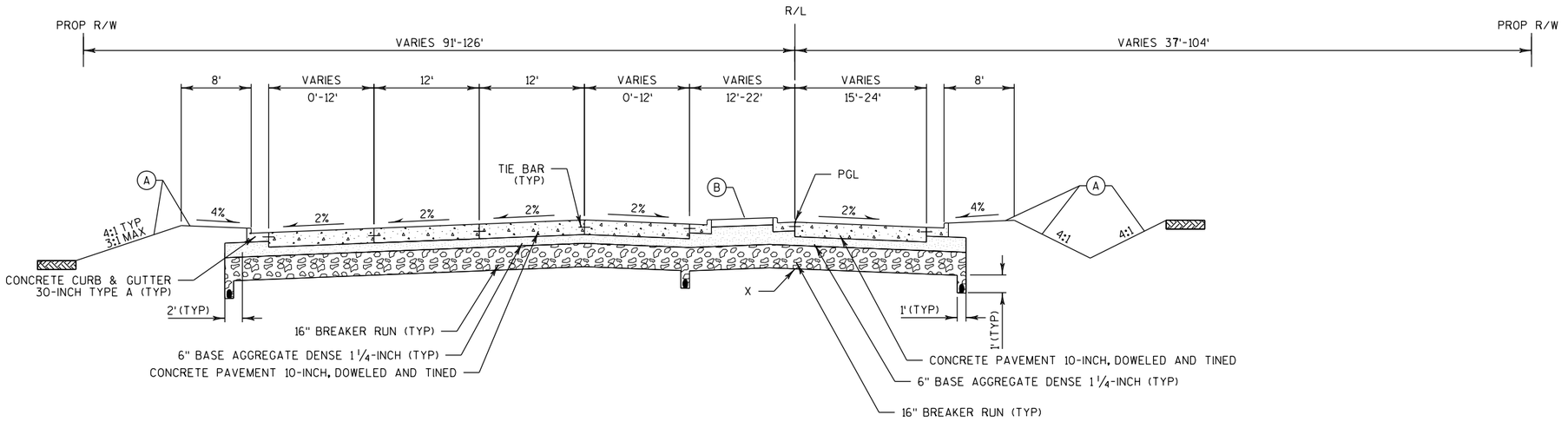
X = POINT REFERENCED ON CROSS SECTIONS
PGL = POINT REFERRED TO ON PROFILE

PROJECT NO: 3760-00-74	HWY: CTH KR	COUNTY: RACINE	TYPICAL SECTIONS	SHEET E

PRE_19

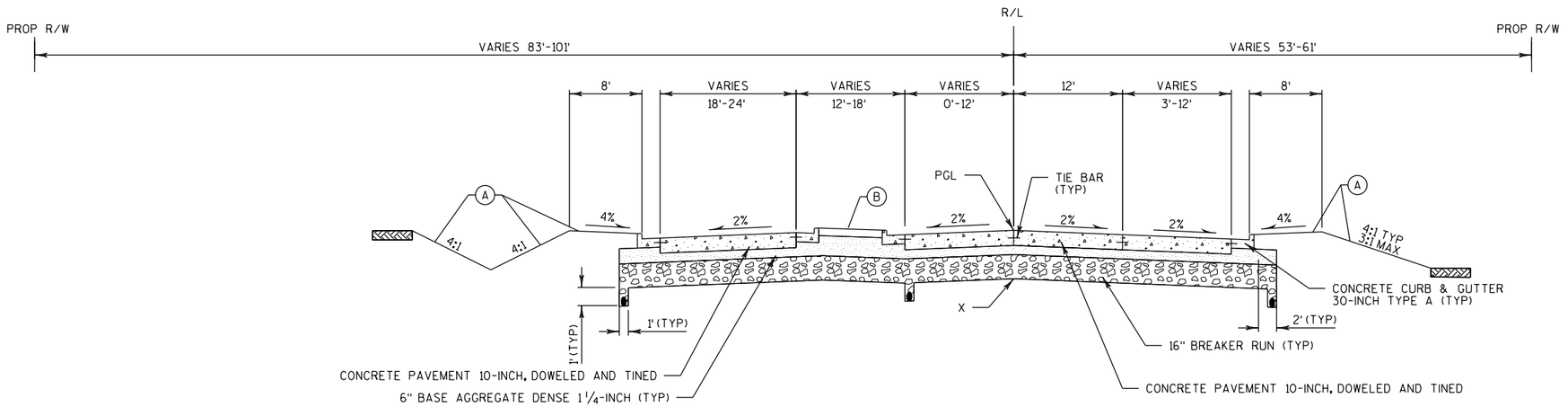
FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\020304_TS.dgn PLOT DATE : 8/28/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:15

WISDOT/CADDS SHEET 42



90TH ST TYPICAL FINISHED SECTION

STA 58+60 TO STA 63+00



72ND AVE TYPICAL FINISHED SECTION

STA 54+18 TO STA 57+45

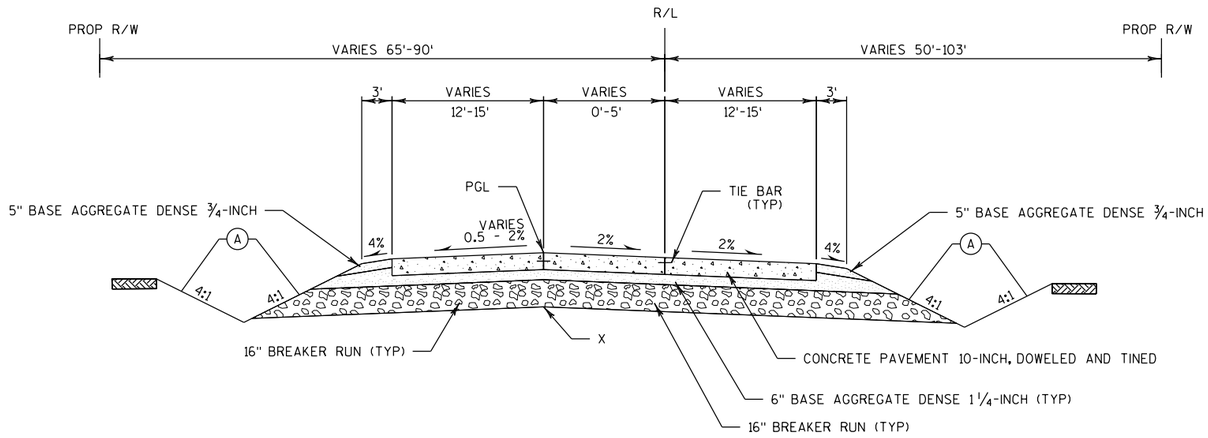
LEGEND

(A) TOPSOIL SPECIAL, FERTILIZER, SEED AND EROSION MAT

(B) CONCRETE SIDEWALK 5-INCH

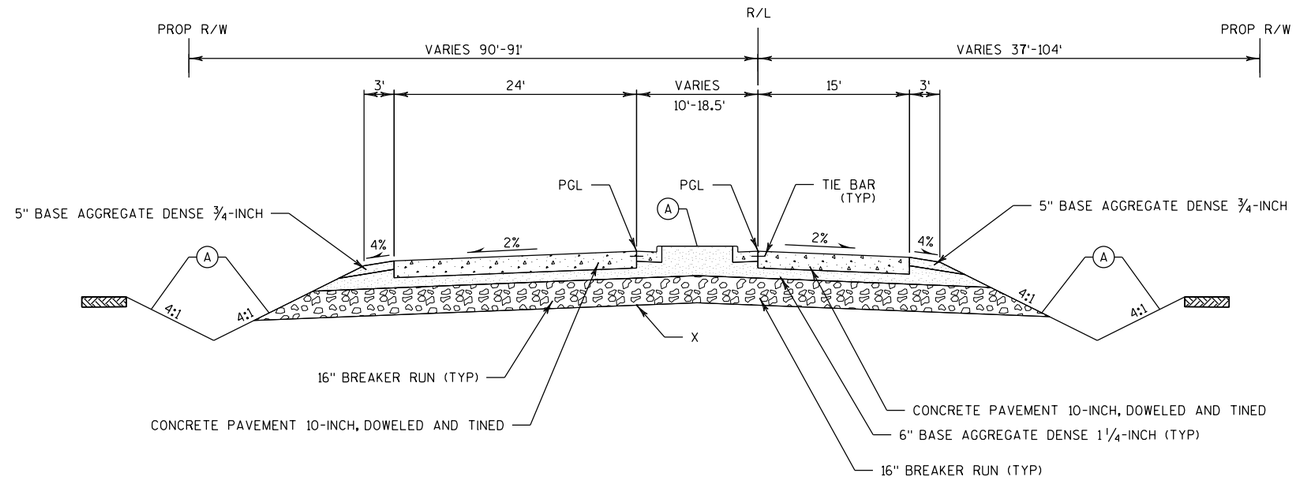
X = POINT REFERENCED ON CROSS SECTIONS
PGL = POINT REFERRED TO ON PROFILE

PROJECT NO: 3760-00-74	HWY: CTH KR	COUNTY: RACINE	TYPICAL SECTIONS	SHEET E



90TH ST TYPICAL FINISHED SECTION

STA 63+55 TO STA 68+19



90TH ST TYPICAL FINISHED SECTION

STA 63+00 TO STA 63+55

LEGEND

(A) TOPSOIL SPECIAL, FERTILIZER, SEED AND EROSION MAT

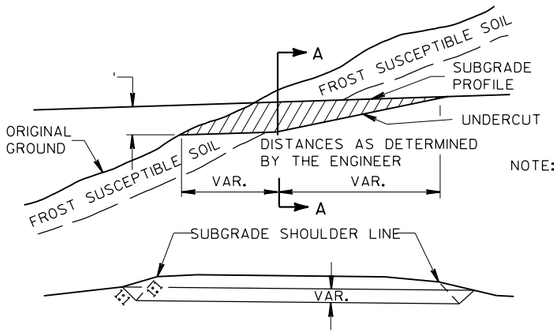
(B) CONCRETE SIDEWALK 5-INCH

X = POINT REFERENCED ON CROSS SECTIONS
PGL = POINT REFERRED TO ON PROFILE

PROJECT NO: 3760-00-74	HWY: CTH KR	COUNTY: RACINE	TYPICAL SECTIONS	SHEET E

PRE_21

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\020304_TS.dgn PLOT DATE : 8/28/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:15



SECTION A-A

CROSS SECTION SHOWING UNDERCUT

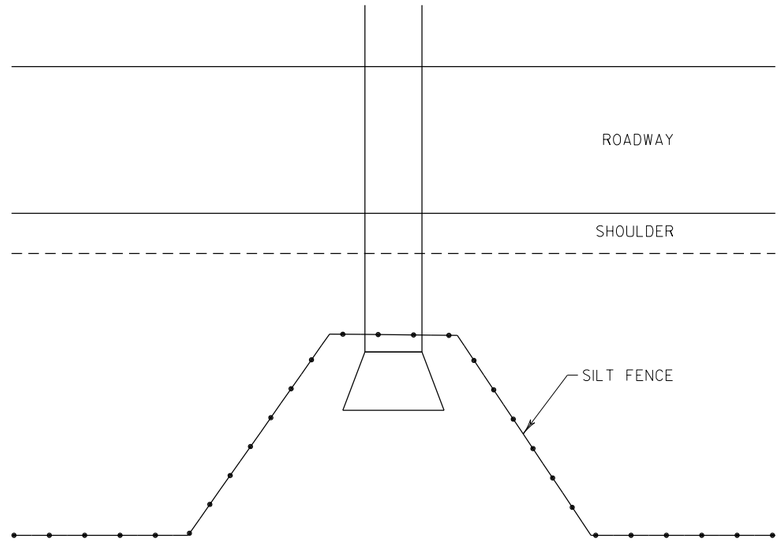
NOTE: EXACT LOCATIONS AND EXTENT OF E.B.S. SECTIONS SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

E.B.S. AREA TO BE BACKFILLED WITH ITEM "EBS BACKFILL"

BACKFILL MUST BE HOMOGENEOUS WITH ADJOINING FILL MATERIAL.

THE FILL SECTION WITHIN 100' OF THE MOUTH OF THE CUT MUST BE KEPT 2' BELOW SUBGRADE UNTIL E.B.S. IS COMPLETED.

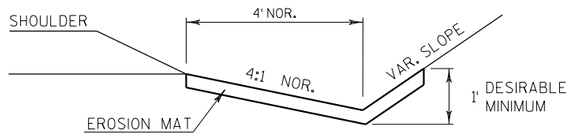
EXCAVATION BELOW SUBGRADE AT CUTS



NOTE

SEE SILT FENCE SDD FOR ADDITIONAL INFORMATION.

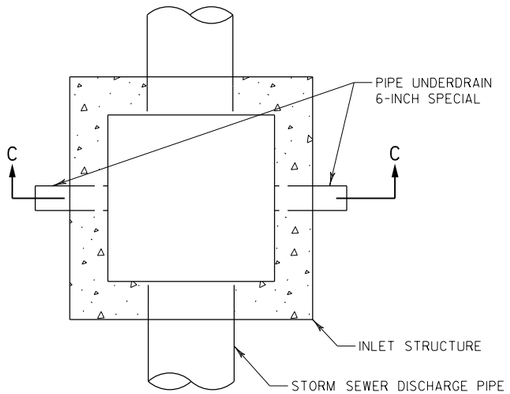
TYPICAL SILT FENCE DETAIL AT PIPE INLET



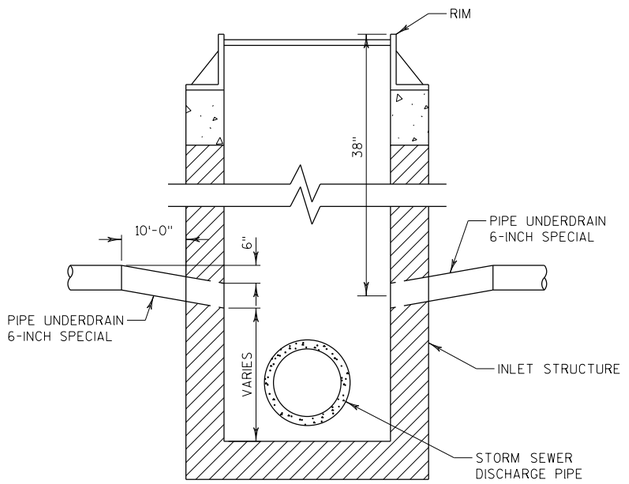
EROSION MAT DETAIL FOR DITCHES

NOTES

1. CONNECTIONS TO INLETS OR MANHOLES IN MEDIAN SHALL USE PIPE UNDERDRAIN, 6-INCH SPECIAL.
2. PROVIDE 6" DIA. OPENINGS FOR UNDERDRAIN PIPE A MINIMUM OF 38" BELOW THE RIM ELEVATION.
3. SEE TYPICAL SECTIONS, STORM SEWER, AND UNDERDRAIN PLANS FOR PIPE UNDERDRAIN LOCATIONS.
4. CONNECTION TO INLET OR MANHOLE IS INCIDENTAL TO THE PIPE UNDERDRAIN 6-INCH SPECIAL BID ITEM.



PLAN VIEW



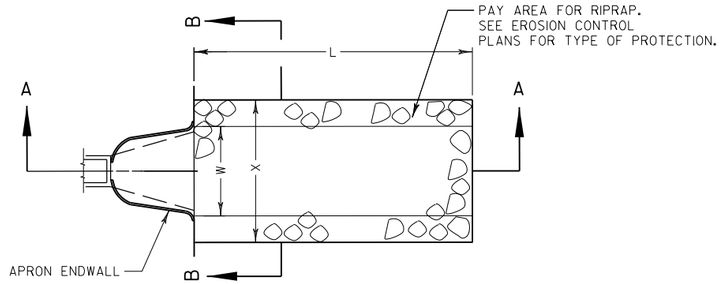
SECTION C-C

UNDERDRAIN OUTFALL AT INLET

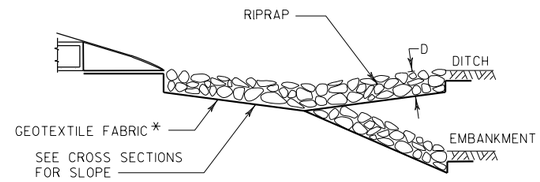
RUNOFF COEFFICIENT TABLE

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

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



PLAN VIEW



SECTION A-A

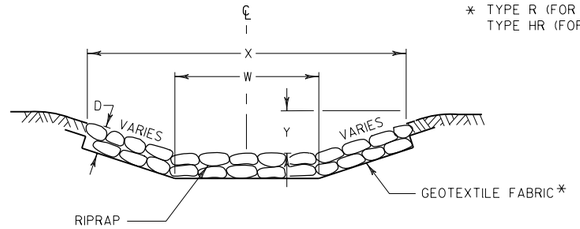
L = 3 x W (NOR) OR 10' MIN
OR AS INDICATED IN THE PLANS
OR AS DIRECTED BY THE ENGINEER

D = 12" FOR RIPRAP LIGHT
18" FOR RIPRAP MEDIUM

X = W+2' FOR TYPICAL CULVERT
DISCHARGE INTO DITCH
W+5' FOR CULVERT DISCHARGE
DOWN EMBANKMENT SLOPE

Y = 0' FOR TYPICAL CULVERT
DISCHARGE INTO DITCH
12" FOR CULVERT DISCHARGE
DOWN EMBANKMENT SLOPE

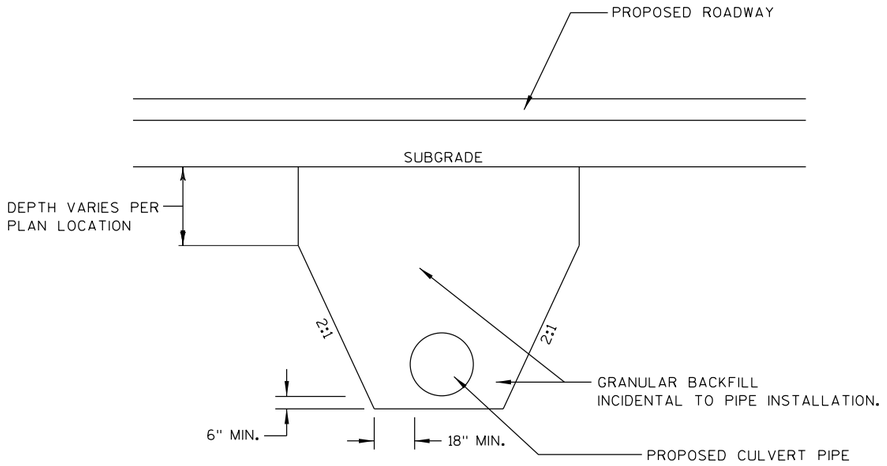
* TYPE R (FOR RIPRAP LIGHT ONLY)
TYPE HR (FOR MEDIUM ONLY)



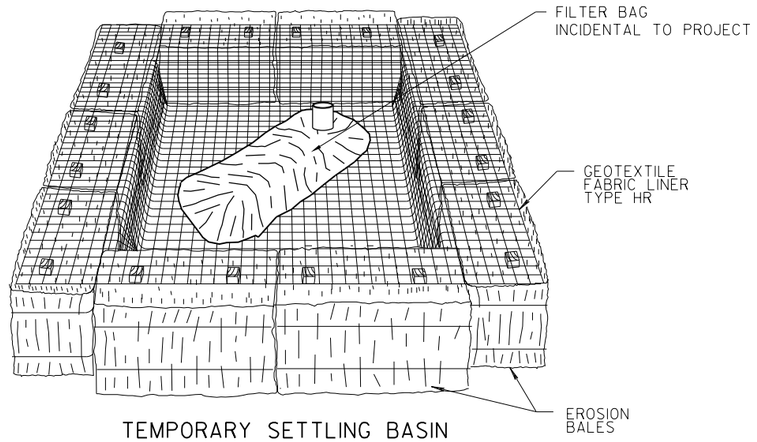
SECTION B-B

RIPRAP AND GEOTEXTILE FABRIC DETAIL AT APRON ENDWALLS

SEE EROSION CONTROL PLAN FOR LOCATIONS



DETAIL FOR INSTALLATION OF PIPES



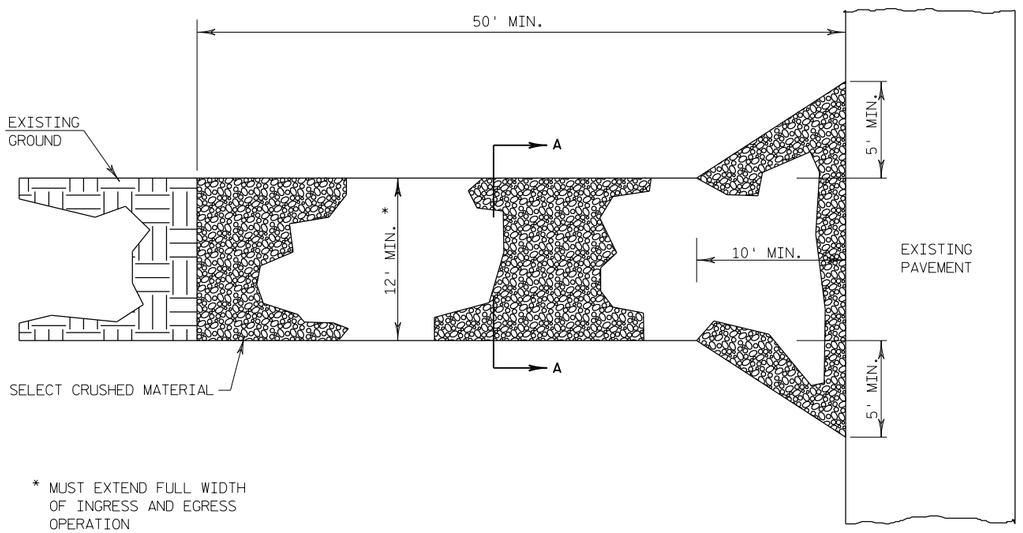
TEMPORARY SETTLING BASIN

(SIZE TO BE DETERMINED IN FIELD AS INDICATED BELOW:)

STORAGE VOLUME (C.F.) = 16 X GPM (PUMP RATE)

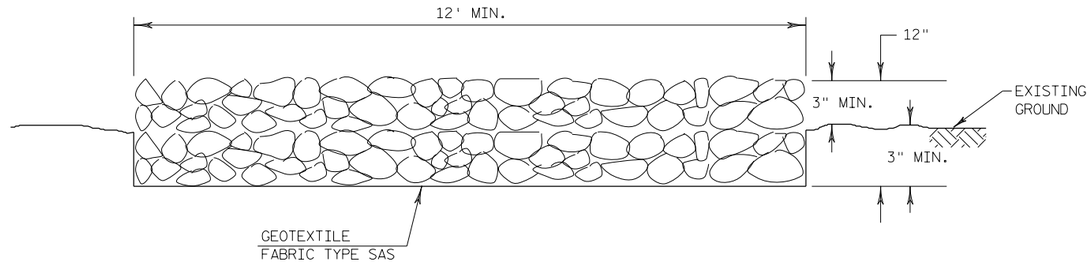
EXAMPLE:
CONTRACTOR INDICATES PUMP CAPABLE OF 50 GPM
HEIGHT OF BALES = 1.5 FT.

SOLUTION:
SV (C.F.) = 16 X 50
SV = 800 C.F.
$\frac{800 \text{ C.F.}}{1.5 \text{ FT.}}$ = 533 S.F.
USE A 20 FT. X 27 FT. BASIN



* MUST EXTEND FULL WIDTH OF INGRESS AND EGRESS OPERATION

PLAN VIEW



SECTION A-A

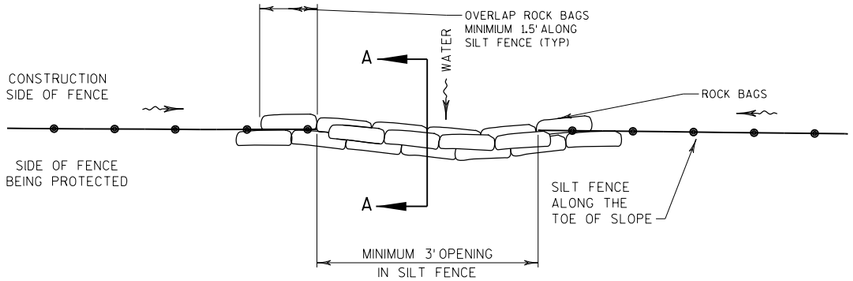
NOTE:

1) TRACKING MATS SHALL BE INSPECTED DAILY. DEFICIENT AREAS SHALL BE REPAIRED OR REPLACED IMMEDIATELY.

TRACKING PADS

FOR CONSTRUCTION EGRESS POINTS

PROJECT NO:2704-00-77 & 3763-00-73	HWY: CTH KR	COUNTY: RACINE	CONSTRUCTION DETAILS	SHEET E

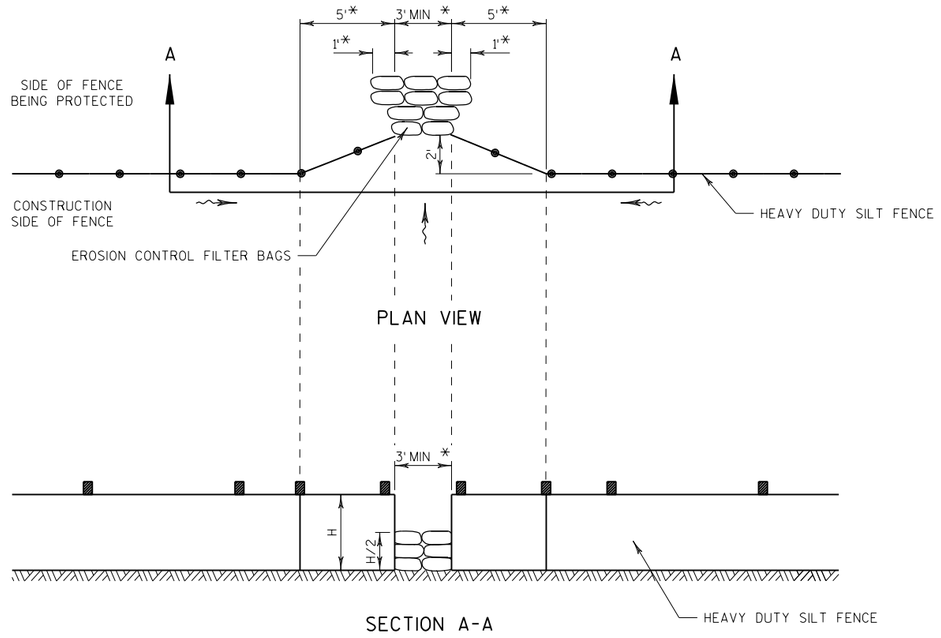


PLAN VIEW



SECTION A-A

SILT FENCE DRAINAGE OUTLET, ROCK BAGS



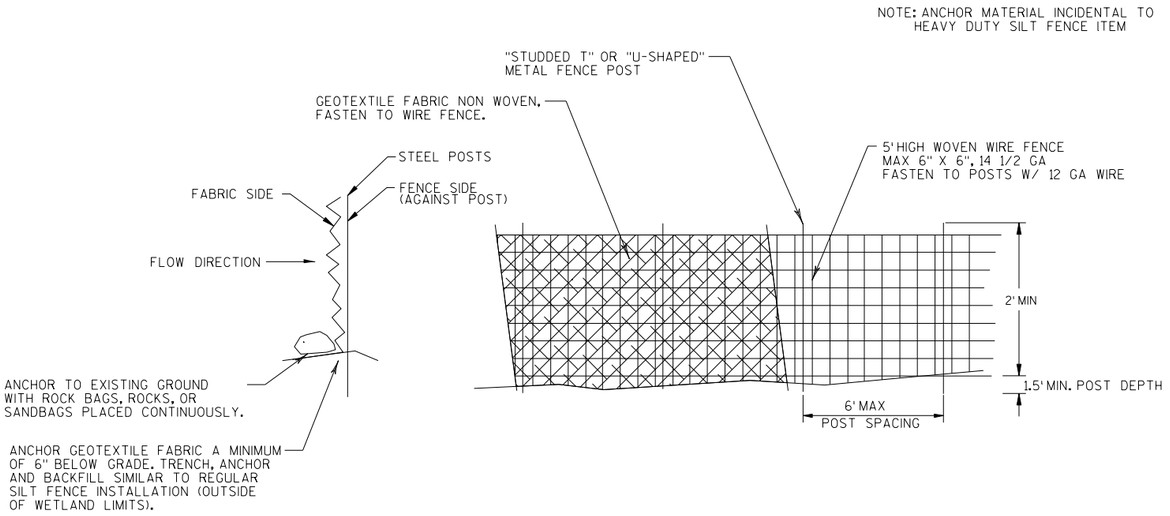
PLAN VIEW

SECTION A-A

* DIMENSIONS MAY BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

SILT FENCE DRAINAGE OUTLET, EROSION CONTROL FILTER BAGS

(FOR USE IN ENVIRONMENTALLY SENSITIVE AREAS)



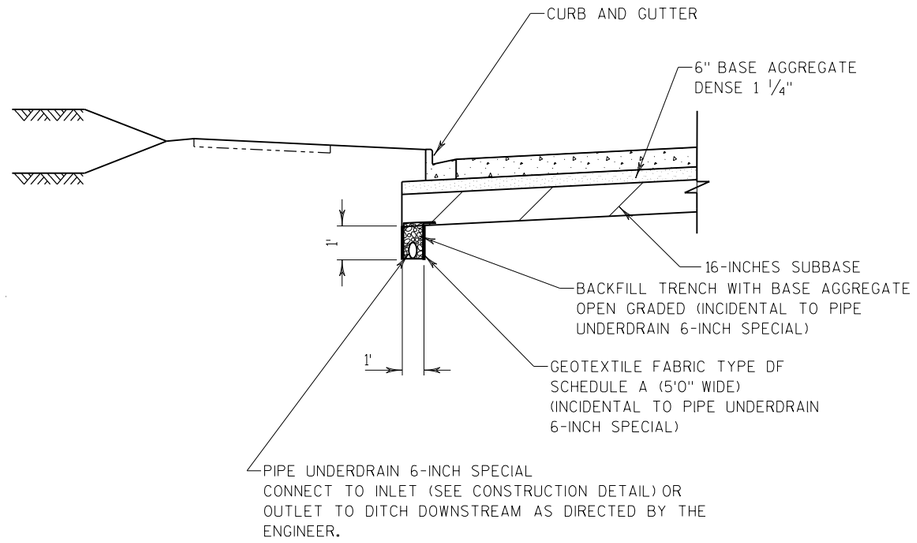
HEAVY DUTY SILT FENCE

2

NOTES

1. PIPE UNDERDRAIN UNPERFORATED REQUIRED AT LOCATIONS WHERE UNDERDRAIN IS REQUIRED TO CONNECT TO DITCHES OUTSIDE THE EBS AREA.

2. ADJUST LATERAL LOCATION OF PIPE UNDERDRAIN AS NECESSARY TO AVOID CONFLICTS WITH THE STORM SEWER.



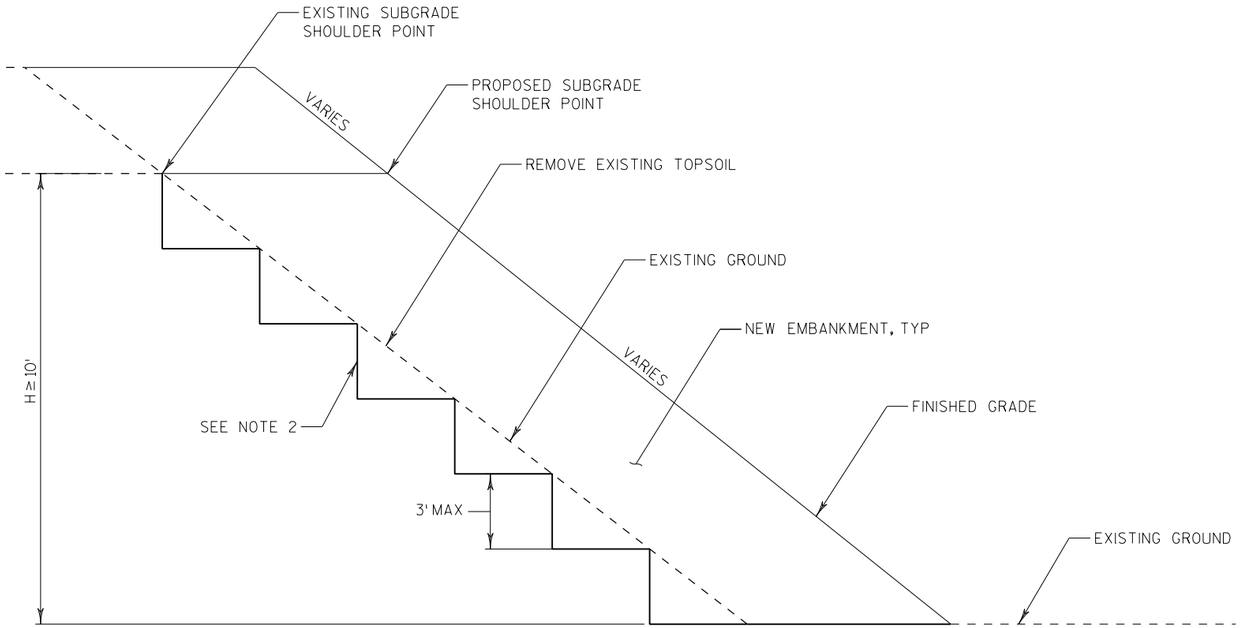
PIPE UNDERDRAIN

NOTES

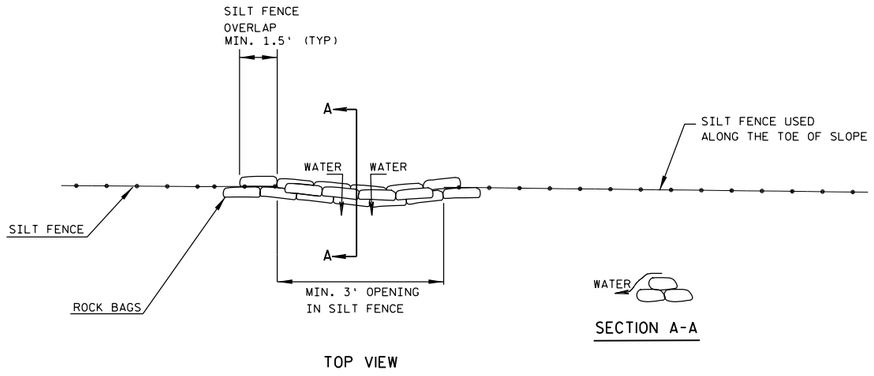
1. EMBANKMENT PLACED IN LAYERS AND COMPACTED PER SPECIFICATIONS.

2. BENCH AS REQUIRED TO FACILITATE CONSTRUCTION FILLING OPERATIONS (3' MAXIMUM BENCH DEPTH, INCIDENTAL).

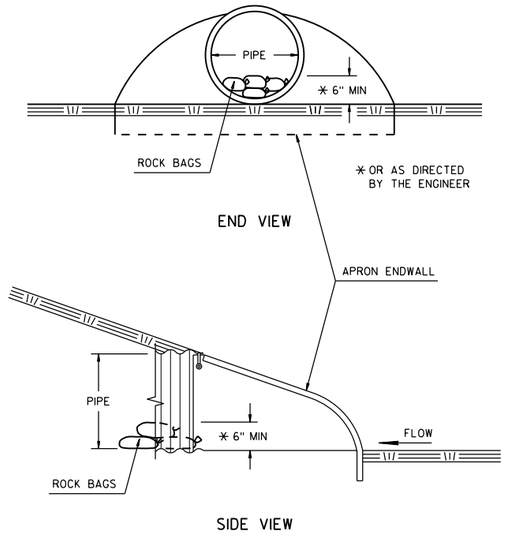
3. EBS AS REQUIRED IN THE PLANS OR DIRECTED BY THE ENGINEER SHALL BE PAID UNDER THE ITEM "EBS EXCAVATION".



STEPPED EMBANKMENT



ROCK BAGS USED FOR SILT FENCE RELIEF DETAIL



ROCK BAGS AT CULVERT PIPE ENDS

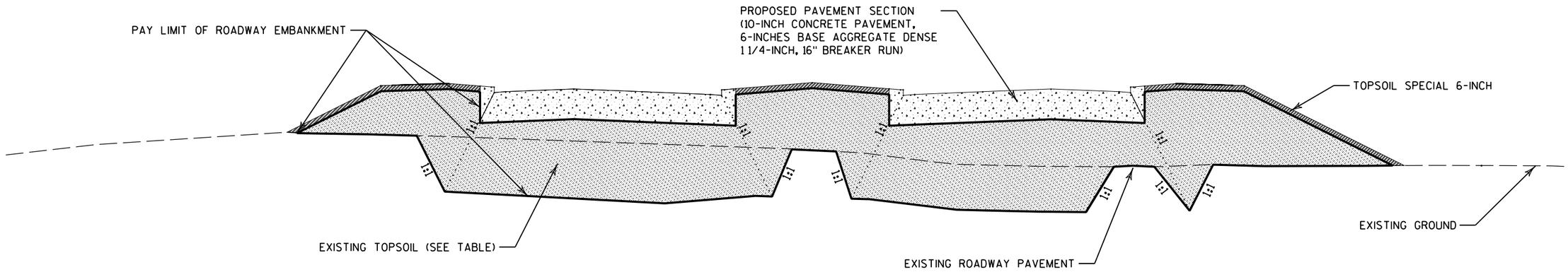
ESTIMATED BAG SIZE = 18" X 12" X 6"	
PIPE SIZE	ESTIMATED NUMBER OF BAGS
12"	1
15"	2
18"	2
24"	3
30"	5
36"	7
42"	7
48"	10
54"	10
60"	13
66"	14
72"	16
13"X17"	2
19"X30"	5
24"X38"	7
29"X45"	10
34"X53"	10
38"X60"	13
48"X76"	18

NOTES:

STRIP TOPSOIL FROM ROADWAY FOUNDATION. REPLACE WITH ROADWAY EMBANKMENT.

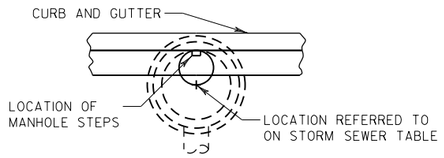
THE TOPSOIL THICKNESS MAY BE INCREASED TO 12" OR AS DIRECTED BY THE ENGINEER TO UTILIZE EXCESS TOPSOIL.
TOPSOIL PLACED THICKER THAN 6" WILL BE PAID FOR UNDER THE ROADWAY EMBANKMENT BID ITEM.

IN AREAS REQUIRING 2' OF FILL OR LESS, EBS EXCAVATION SPECIAL BELOW TOPSOIL LAYER AS DIRECTED BY THE ENGINEER, REPLACE WITH EBS BACKFILL SPECIAL.

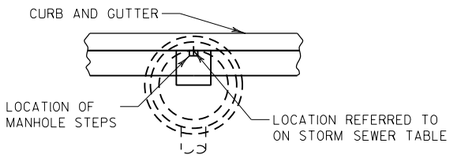


TOPSOIL REMOVAL DETAIL

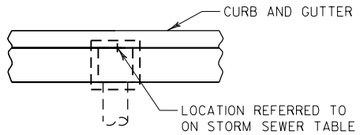
NOTE
1) LOCATION OF STRUCTURE MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
2) LOCATION AND SIZE OF STRUCTURE COVER OPENING DEPENDS ON TYPE OF CASTING. CASTING TYPES ARE SHOWN ON THE STORM SEWER TABLE.



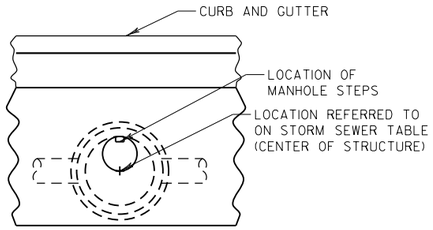
MANHOLE IN CURB AND GUTTER



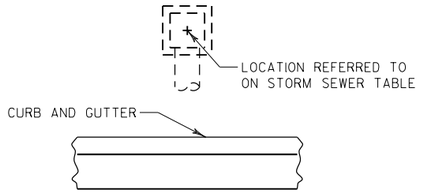
MANHOLE WITH INLET COVER IN CURB AND GUTTER



INLET IN CURB AND GUTTER



MANHOLE NOT IN CURB AND GUTTER



INLET NOT IN CURB AND GUTTER

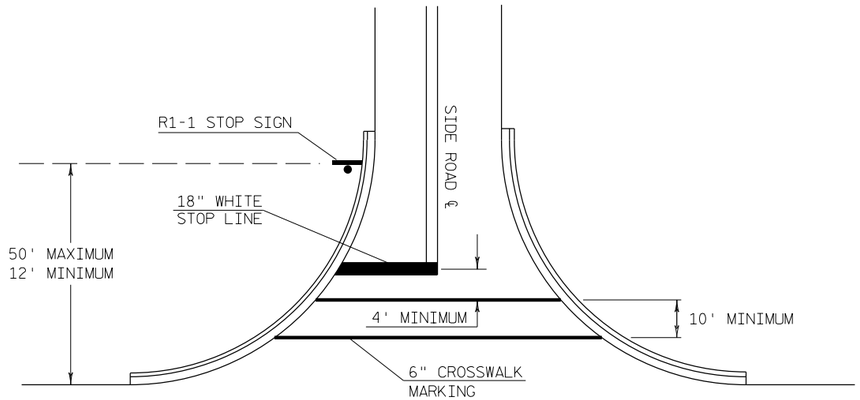
STRUCTURE LOCATION DETAIL

NOTES:

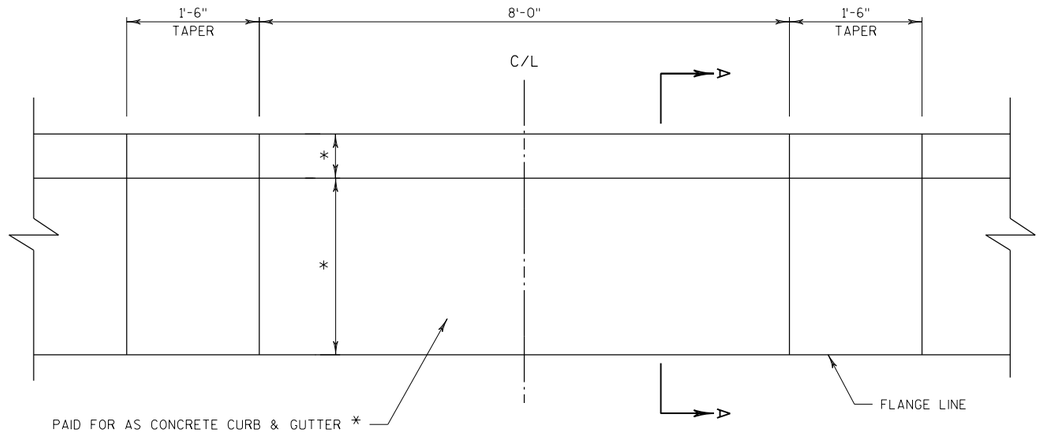
18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE PROJECT ENGINEER BASED ON VISIBILITY AND SIGHT LINES.

STOP LINES REQUIRED WHERE:

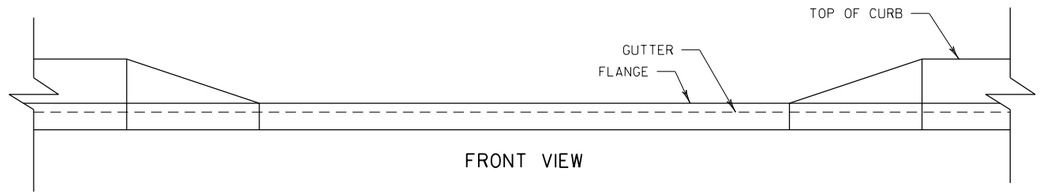
- CROSSWALK MARKINGS EXIST OR BEING PROVIDED
- LARGE RADII
- OFFSET LEFT TURNS WHERE STOP BAR FOR LEFT TURN IS SET BACK FROM THRU MOVEMENT.



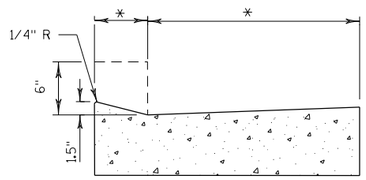
TYPICAL PAVEMENT MARKING FOR SIDEROADS WITH CROSSWALK MARKING



PLAN VIEW



FRONT VIEW



SECTION A-A

* TYPE AND DIMENSIONS TO MATCH ADJACENT CURB AND GUTTER.

MAINTENANCE OPENING

LOCATIONS SHOWN ON PLAN DETAILS

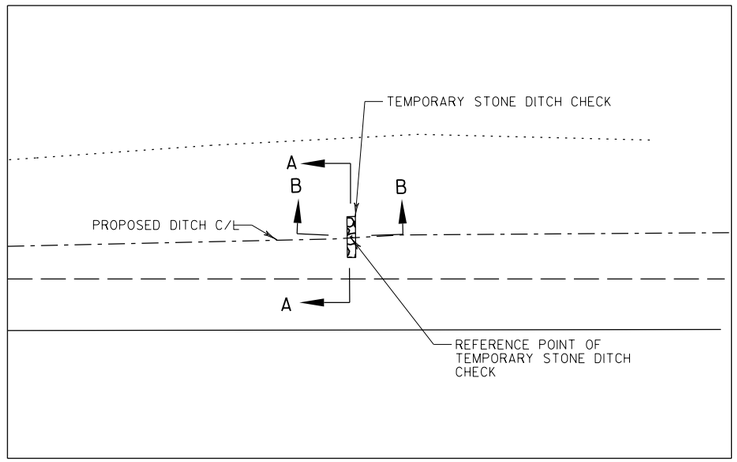
GENERAL NOTES

STONE DITCH CHECKS MUST BE INSTALLED WITH THE CENTER LOWER THAN THE SIDES FORMING A WEIR (SEE SECTION A-A).

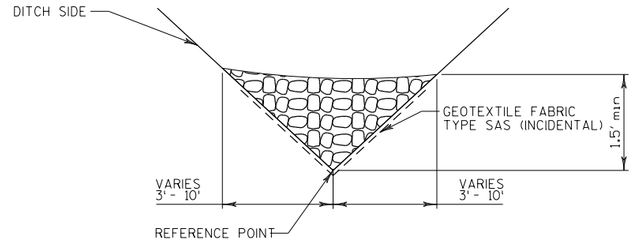
STONE DITCH CHECKS SHALL HAVE A MINIMUM TOP WIDTH OF 2-FT MEASURED IN THE DIRECTION OF FLOW WITH MAXIMUM SLOPES OF 2:1 ON THE UPSLOPE AND 2:1 ON THE DOWN SLOPE SIDE.

STONE DITCH CHECKS SHALL BE CONSTRUCTED OF A WELL-GRADED LIGHT RIPRAP MATERIAL.

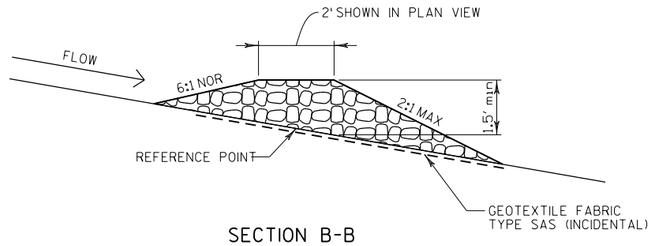
STONE DITCH CHECKS IDENTIFIED IN STORM SEWER PLAN ARE PERMANENT AND SHALL NOT BE REMOVED UPON COMPLETION OF CONSTRUCTION.



PLAN VIEW

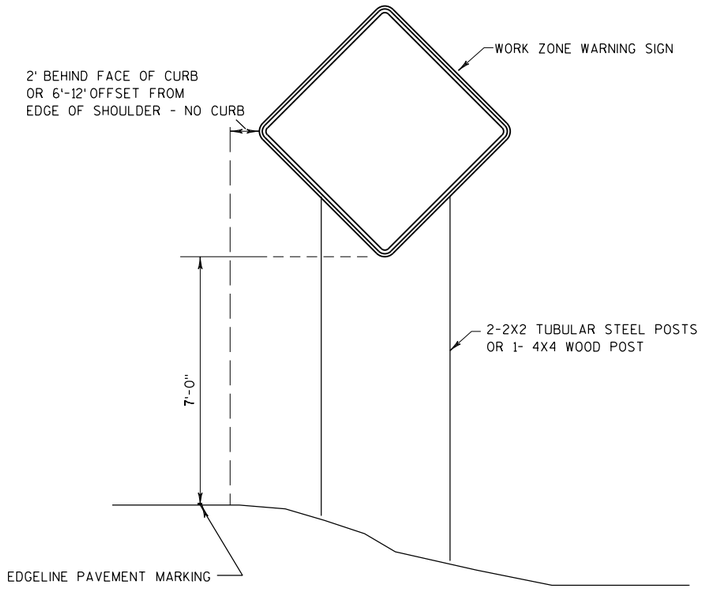


SECTION A-A



SECTION B-B

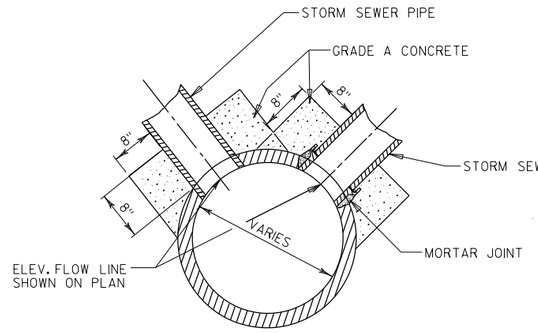
TEMPORARY STONE DITCH CHECKS



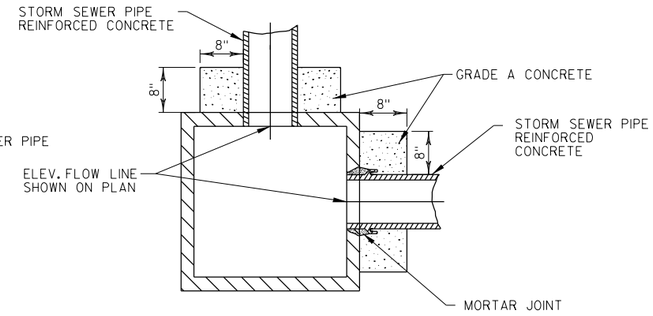
TYPICAL TEMPORARY TRAFFIC CONTROL DETAIL
MOUNTING ON FIXED SUPPORT

LONG TERM
7 DAYS OR MORE

NOTE
CONCRETE COLLAR TO BE PAID AS A BID ITEM WHEN CONNECTING AN EXISTING PIPE TO A NEW STRUCTURE.

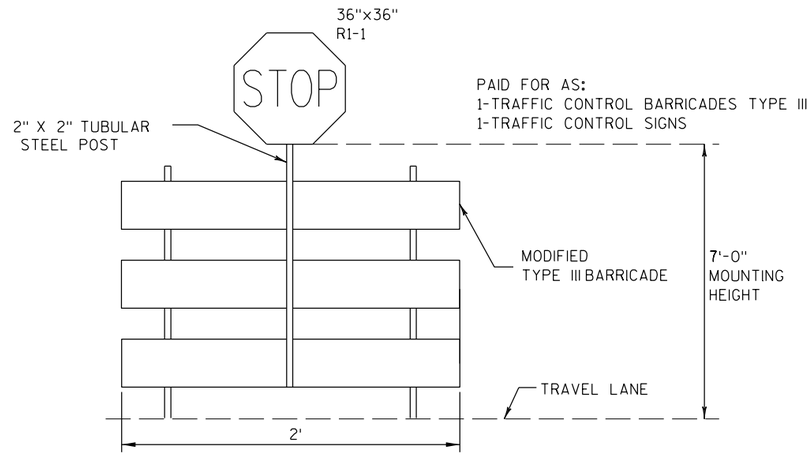


AT MANHOLE
INCIDENTAL TO NEW STRUCTURE AND NEW PIPE ITEMS

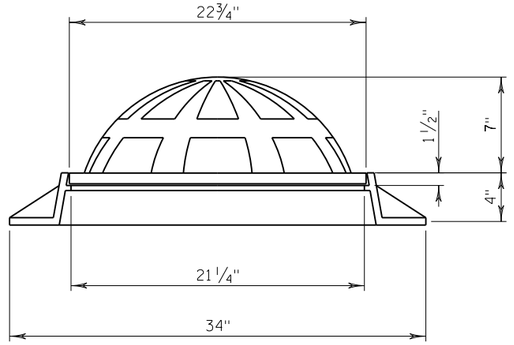


AT STORM SEWER INLET
INCIDENTAL TO NEW STRUCTURE AND NEW PIPE ITEMS

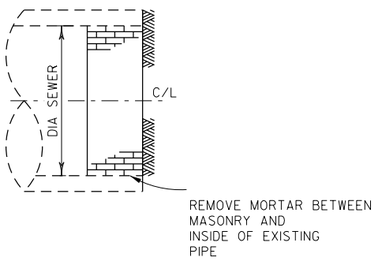
CONCRETE COLLAR DETAIL
FOR LOCATIONS SEE MISCELLANEOUS QUANTITIES SHEETS



TEMPORARY STOP SIGN



INLET COVERS BEEHIVE

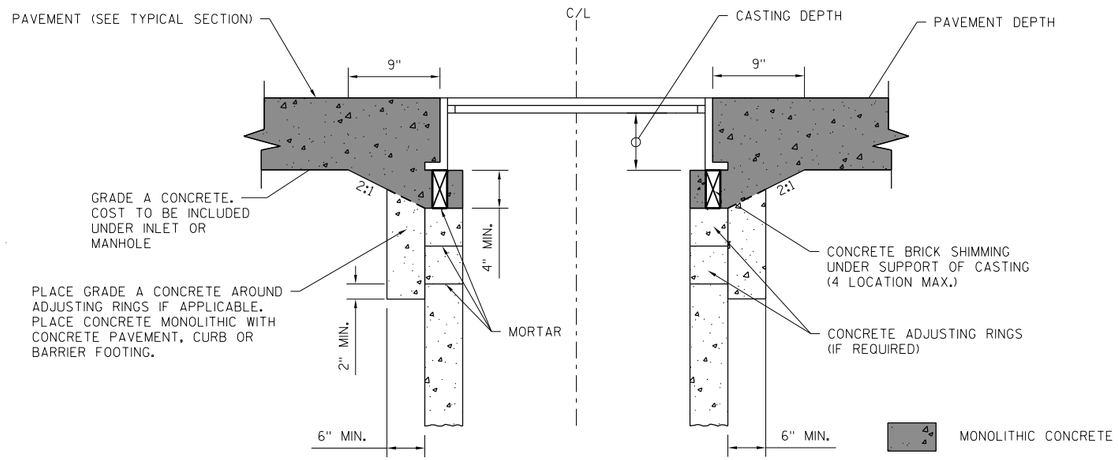


REMOVING BULKHEAD

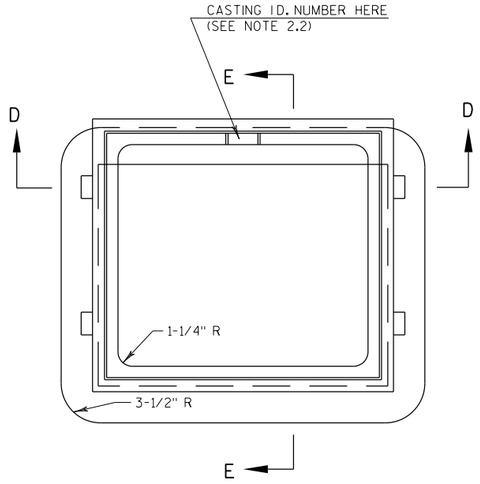
PROJECT NO: 2704-00-77 & 3763-00-73	HWY: CTH KR	COUNTY: RACINE	CONSTRUCTION DETAILS	SHEET E

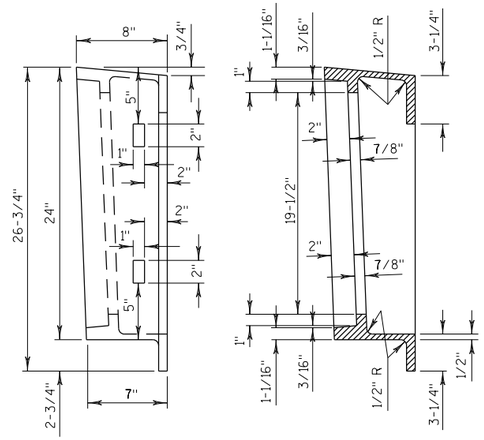
NOTES

1) PROVIDE MONOLITHIC CONCRETE SHIMMING FOR FINAL ADJUSTMENT OF DRAINAGE STRUCTURES LOCATED WITHIN THE ROADWAY CONCRETE PAVEMENT AND CONCRETE CURB & GUTTER.

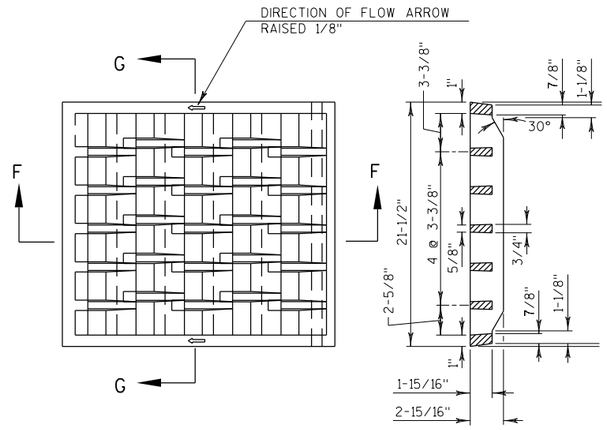


MONOLITHIC CONCRETE SHIMMING DETAIL



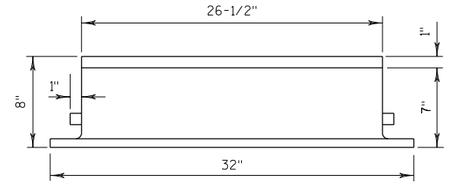


SECTION E-E

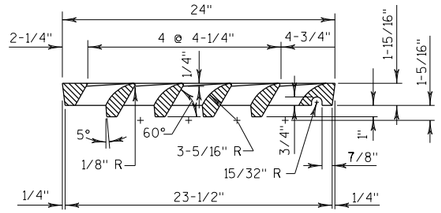


GRATE

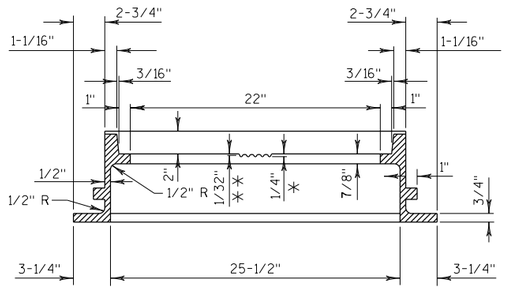
SECTION G-G



FRAME



SECTION F-F



SECTION D-D

✳ DEPRESSION FOR LETTERS

✳✳ CLEARANCE FROM TOP OF LETTERS TO FACE OF SEAT

GENERAL NOTES

1. ALL EDGES ARE TO BE GROUND.

2. ALL CASTINGS SHALL BEAR THE FOLLOWING IDENTIFICATION MARKS IN THE FORM OF LEGIBLE LETTERS OR NUMERALS RAISED 1/8":

   ON THE FRAME
   1. ON THE UPPER FACE OF THE FLANGE IN 1 INCH HIGH LETTERS THE INITIALS OR MONOGRAM OF THE FOUNDRY, THE YEAR MADE AND THE SERIAL NUMBER OF THE INDIVIDUAL CASTING.
   2. ON THE SEAT OF THE FRAME IN 1 INCH HIGH LETTERS, THE CASTING IDENTIFICATION NUMBER (M.S.51).

   ON THE GRATE
   1. ON THE UPPER SIDE OF THE GRATE IN 1 INCH HIGH LETTERS, THE INITIALS OR MONOGRAM OF THE FOUNDRY, THE YEAR MADE, THE CASTING IDENTIFICATION NUMBER (M.S.57) AND THE SERIAL NUMBER OF THE INDIVIDUAL CASTING.

CASTING - TYPE 57

LID-145 LBS., FRAME-204 LBS.

PLAN DETAIL LEGEND

(AG01) BASE AGGREGATE DENSE 3/4-INCH
(AP13) HMA PAVEMENT 5-INCH
(BG01) STEEL THRIE BEAM STRUCTURE APPROACH
(BG02) STEEL PLATE BEAM GUARD
(CB42) CONCRETE BARRIER TYPE S42
(CG03) CURB RAMP TYPE 2
(CG04) CURB RAMP TYPE 3
(CG06) CURB RAMP TYPE 4B1
(CG07) CURB RAMP TYPE 5
(CG08) CURB RAMP TYPE 6
(CG24) CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A
(CG36) CONCRETE GUTTER 36-INCH SPECIAL
(CG46) CONCRETE CURB & GUTTER 30-INCH TYPE A
(CG47) CONCRETE CURB & GUTTER 30-INCH TYPE D
(CM01) CONCRETE MEDIAN SLOPED NOSE TYPE 1
(CM02) CONCRETE MEDIAN SLOPED NOSE TYPE 2
(CM04) MAINTENANCE OPENING
(CM07) CONCRETE SIDEWALK 5-INCH
(CP13) CONCRETE PAVEMENT 10-INCH
(CP14) CONCRETE PAVEMENT APPROACH SLAB
(DR01) CONCRETE DRIVEWAY 6-INCH
(DR11) AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 1 1/4-INCH, 10-INCH
(LS02) BIOSWALE CELL
(LS03) CONCRETE SURFACE DRAIN (SEE CONSTRUCTION DETAIL)
(LS04) TOPSOIL SPECIAL, FERTILIZER, SEED & EROSION MAT
(LS05) FENCE CHAIN LINK 6-FT
(PV01) DRILLED DOWEL BAR
(PV06) ASPHALTIC FLUME
(PV10) SHARED USE PATH, 3" ASPHALTIC SURFACE
(PV12) ASPHALTIC SURFACE, 4-INCH
(SW01) SAWING ASPHALT
(SW02) SAWING CONCRETE

PROPOSED INLET LOCATION

PROPOSED MANHOLE LOCATION

NOTE:

1) CURB RADIUS GIVEN TO CURB FLANGE, UNLESS NOTED OTHERWISE.

PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	PLAN DETAILS	SHEET E

PRE_33

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\021200_PD.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:40

2

N

DETENTION
POND G

BEGIN PROJECT 3763-00-74
STA 452+75.00

CTH KR WB

CTH KR EB

R/L CTH KR

PROJECT 3760-00-70
BY OTHERS

451 452 453 454 455 456 457

LS04 PV10 LS04 CG24 CP13 CM07 CM01 PV01

10' 7' 12' 4' 6' 9'

PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	PLAN DETAILS	SHEET E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\021201_PD.dgn PLOT DATE : 8/28/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:40

2

N

DETENTION
POND L

CG24
CG06
24'
CP13
LS04
PV10
LS04
10'
7'
CG06
CG24

LS04
PV10
LS04

CP13
CP13
CP13
CP13
CG24

CTH KR WB

10'
10'
4'
12'
12'
12'
15'
15'

457
458
LS04
459
460
CG24
461
462
463

CP13
CP13
CP13
CP13
CG24

CTH KR EB

12'
12'
12'
4'
10'
10'

LS04
PV10
LS04

R/L CTH KR

PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	PLAN DETAILS	SHEET E

PRE_35

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\021202_PD.dgn PLOT DATE : 8/28/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:40

2

2

N

LS04
PV10
LS04
CG24
CP13
CP13
CP13
12'
12'
15'
15'
CP13
CP13
12'
12'
CG24
CG24
CP13
LS04
LS04
PV10
LS04
10'
22'
4'
4'
22'
10'
CTH KR WB
CTH KR EB
463
464
465
466
467
468
469
R/L CTH KR

PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	PLAN DETAILS	SHEET E

PRE_36

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\021203_PD.dgn PLOT DATE : 8/28/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:40

WISDOT/CADDS SHEET 41

2

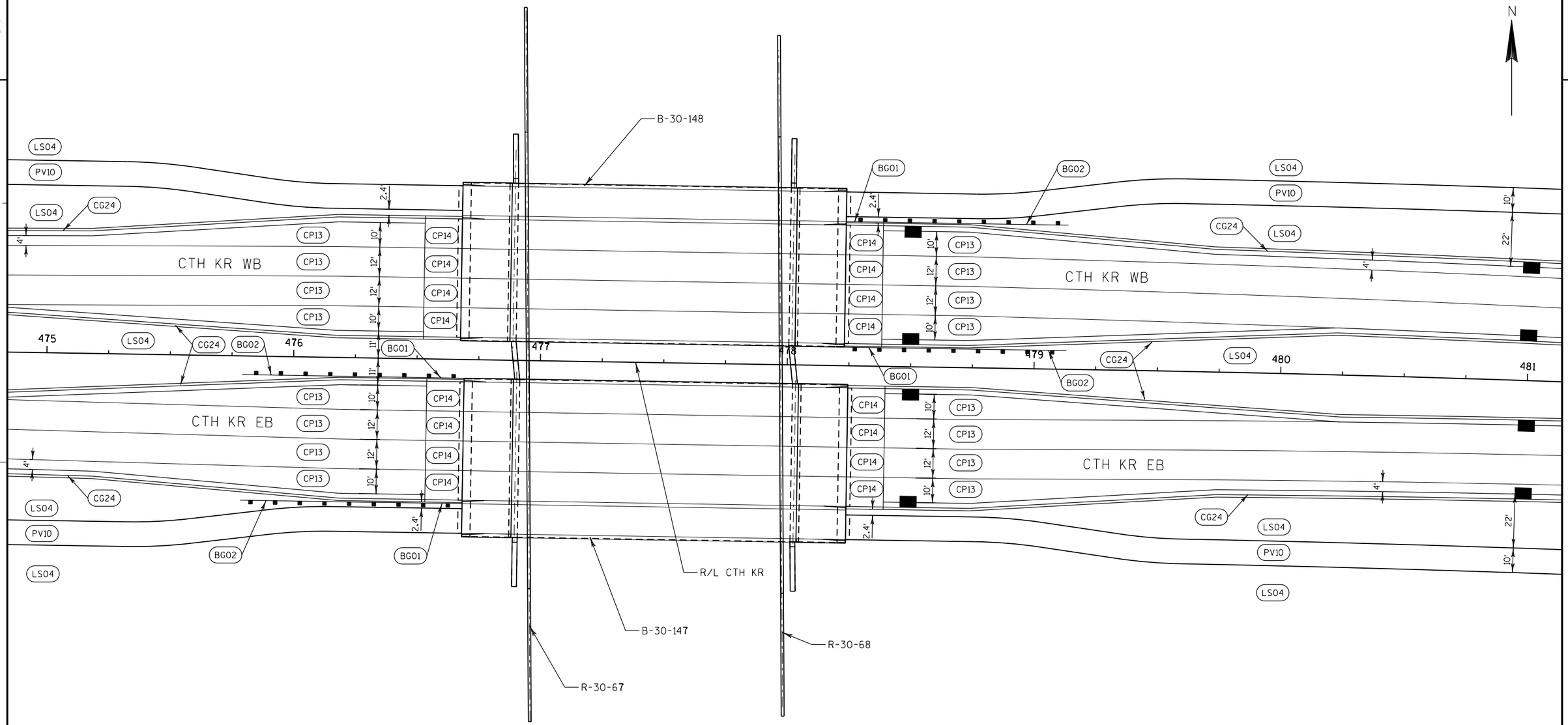
N

LS04
PV10
LS04
10'
22'
CG24
4'
CP13
12'
CP13
CTH KR WB
CP13
12'
15'
469
470
471
LS04
472
CG24
473
474
475
15'
CP13
12'
CP13
12'
CP13
CTH KR EB
4'
CG24
LS04
22'
PV10
10'
LS04
R/L CTH KR

PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	PLAN DETAILS	SHEET E

PRE_37

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\021204_PD.dgn PLOT DATE : 8/28/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:40



PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	PLAN DETAILS	SHEET E

PRE_38

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\021205_PD.dgn PLOT DATE : 8/28/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:40

2

2

N

LS04
PV10
CP13
CP13
CG24
LS04
CP13
CP13
CTH KR WB
481
482
LS04
CG24
483
484
485
486
487
CP13
CP13
CP13
CTH KR EB
LS04
CG24
PV10
LS04
R/L CTH KR
10'
22'
4'
12'
12'
15'
15'
12'
12'
4'
22'
10'

PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	PLAN DETAILS	SHEET E

PRE_39

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\021206_PD.dgn PLOT DATE : 8/28/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:40

WISDOT/CADDS SHEET 41

2

2

N

CTH KR WB

CTH KR EB

487

488

489

490

491

492

493

LS04

PV10

CG24

CP13

10'

22'

4'

12'

12'

15'

15'

12'

12'

4'

22'

10'

DR01

+86.00

+14.00

18'

R/L CTH KR

PV12

PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	PLAN DETAILS	SHEET E

PRE_40

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\021207_PD.dgn PLOT DATE : 8/28/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:40

WISDOT/CADDS SHEET 41

2

N

CTH KR WB

CTH KR EB

R/L CTH KR

493 494 495 496 497 498 499

LS04 PV10 LS04 CG24 CP13 CP13 CP13 CP13 CP13 CP13 CG24 LS04 PV10 LS04

10' 22' 4' 12' 12' 15' 15' 12' 12' 4' 22' 10'

CG24 CP13 CG24 24' CG06 CG06 LS04 PV10 LS04

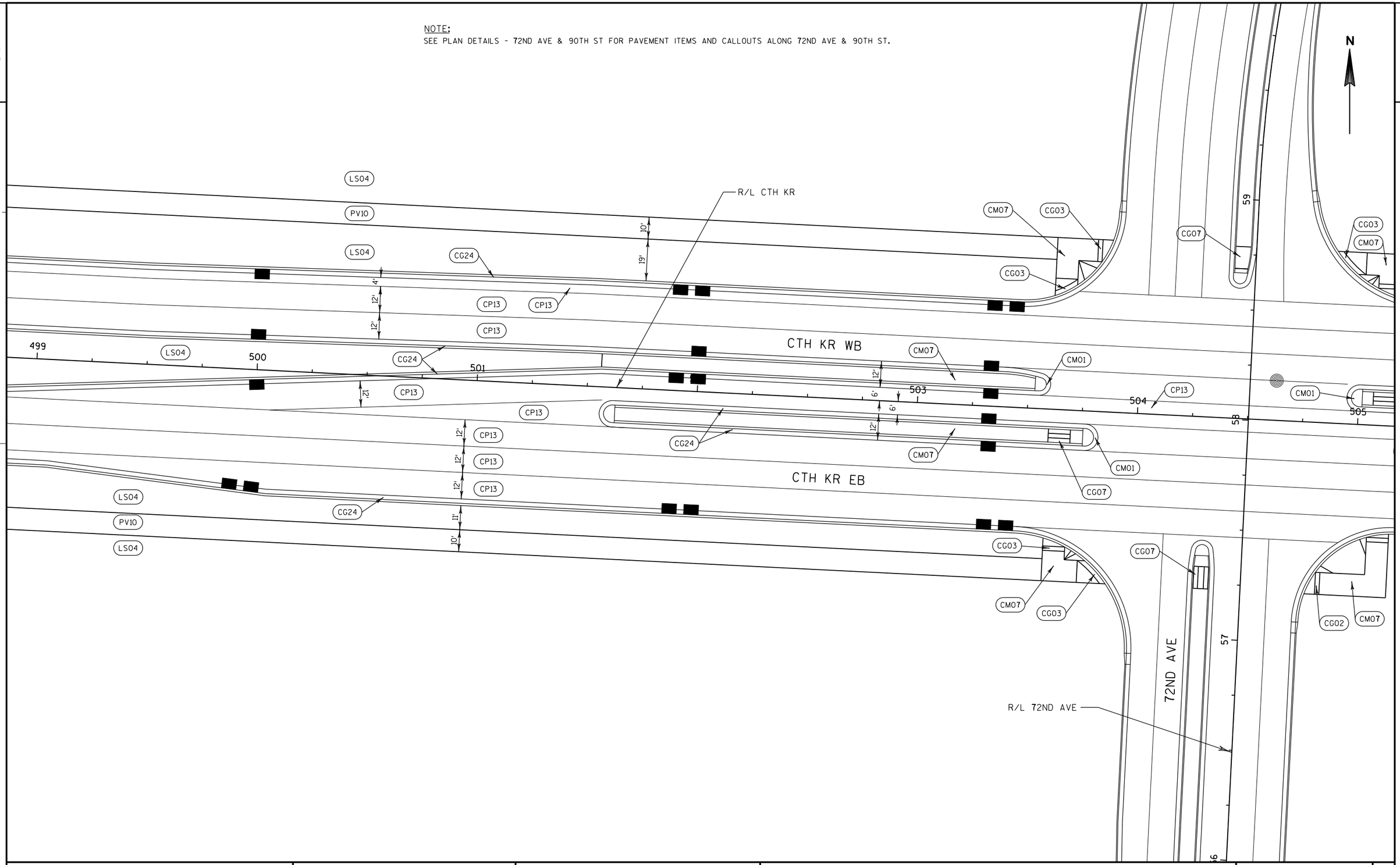
PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	PLAN DETAILS	SHEET E

PRE_41

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\021208_PD.dgn PLOT DATE : 8/28/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:40

WISDOT/CADDS SHEET 41

NOTE:
SEE PLAN DETAILS - 72ND AVE & 90TH ST FOR PAVEMENT ITEMS AND CALLOUTS ALONG 72ND AVE & 90TH ST.


N
LS04
PV10
LS04
CG24
CP13
CP13
CP13
CP13
CP13
CP13
CP13
CG24
LS04
PV10
LS04
CG24
R/L CTH KR
CTH KR WB
CTH KR EB
CM07
CG03
CG07
CG03
CM07
CG03
CM07
CM01
CM07
CM01
CG07
CG03
CM07
CG07
CG02
CM07
CP13
CP13
CP13
CP13
CP13
CP13
CP13

2

N

CM07
CG03
CG24
CP13
LS04
PV10
10'
7'
12'
CTH KR WB
CM01
CM07
CG24
CM01
CP13
505
506
507
508
509
510
511
6'
6'
12'
CG07
CM01
CM07
CG24
LS04
4'
12'
18'
15'
CTH KR EB
CG03
CM07
CG24
R/L CTH KR
DETENTION POND M

PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	PLAN DETAILS	SHEET E

PRE_43

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\021210_PD.dgn PLOT DATE : 8/28/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:40

2

N

LS04
PV10
10'
7'
+12.80
PV12
+37.95
LS04
DR01
4'
12'
12'
15'
CTH KR WB
511
512
513
514
515
516
517
CG24
CP13
LS04
CP13
CP13
CG24
LS04
15'
12'
12'
4'
CTH KR EB
CG24
CP13
CP13
LS04
PV10
10'
7'
LS04
CP13
CP13
R/L CTH KR

DETENTION POND M

PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	PLAN DETAILS	SHEET E

PRE_44

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\021211_PD.dgn PLOT DATE : 8/28/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:40

2

N

PV12

+00.63

48.7'

16.4'

PV12

+76.10

+04.02

LS04

PV10

LS04

PV10

LS04

DR01

DR01

CG24

CG24

CMO1

CP13

CP13

CP13

CP13

CP13

CP13

CTH KR WB

CTH KR EB

517

518

519

520

521

522

523

10'

7'

4'

12'

12'

18'

15'

12'

12'

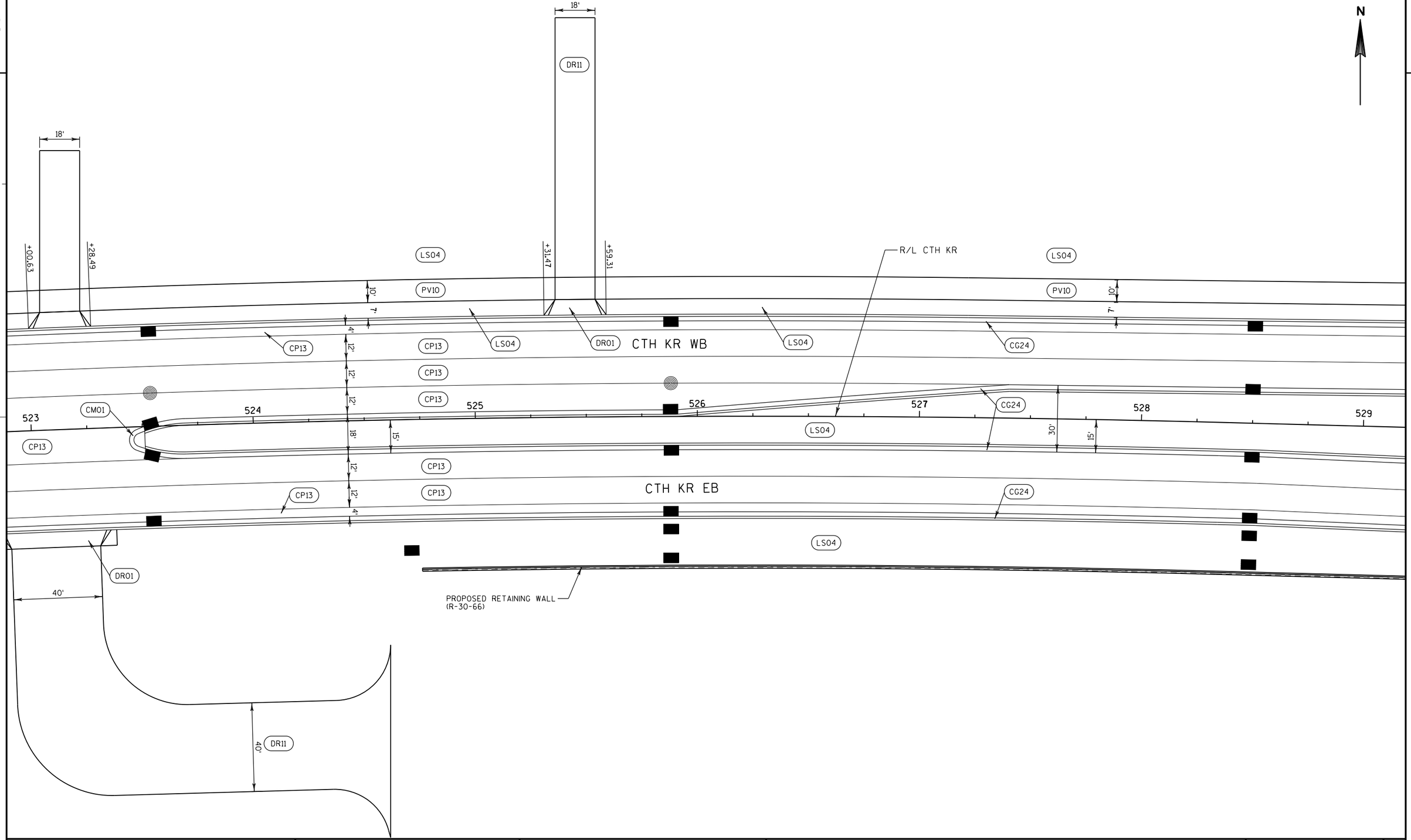
4'

R/L CTH KR

PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	PLAN DETAILS	SHEET E

PRE_45

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\021212_PD.dgn PLOT DATE : 8/28/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:40



PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	PLAN DETAILS	SHEET E

PRE_46

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\021213_PD.dgn PLOT DATE : 8/28/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:40

2

N

UPRR

R-30-65

R-30-66

B-30-146

R/L CTH KR

LS04

PV10

10'

7'

CTH KR WB

CG24

CP13

CP14

10'

12'

12'

10'

2.4'

529

530

531

532

533

534

535

BG02

BG01

11'

CTH KR EB

PROPOSED RETAINING WALL
(R-30-66)

B-30-145

DR11

28'

12'

PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	PLAN DETAILS	SHEET E

PRE_47

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\021214_PD.dgn PLOT DATE : 8/28/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:40

NOTE:
SEE PLAN DETAILS - LOCAL ROAD FOR PAVEMENT ITEMS AND CALLOUTS ALONG LOCAL ROAD.

N

CTH KR WB

CTH KR EB

LOCAL ROAD

R/L CTH KR

R/L LOCAL ROAD

LS04 PV10 CG24 CP13 DR01 PV12 CG36 AP13 CG47 DR11

535 536 537 538 539 540 541 104 105 106 107 108 109

10' 6' 8' 12' 12' 11' 11' 2' 2' 12' 12' 8' 11' 11' 12' 12' 15.1' 38.9' 15' 18' 33.7' 38' +39.98 +61.98 +91.38

PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	PLAN DETAILS	SHEET E

PRE_48

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\021215_PD.dgn PLOT DATE : 8/28/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:40

WISDOT/CADDS SHEET 41

2

2

N

LS04
PV10
LS04
CP13
CP13
CP13
CG24
CG36
CP13
CP13
CP13
CP13
CG24
R/L CTH KR
CG24
CTH KR WB
CTH KR EB
541
542
543
544
545
546
547
10'
9'
8'
12'
12'
22'
11'
12'
12'
12'
8'

PV12
18.9'

11.9'
+29.64
+53.64
+58.40
PV12
PV12
DR01
DR01
+84.41

DR01
PV12
+21.38

DR01
PV12
+84.76
26'
+20.76

DR01
PV12
+95.38
16'
+21.38

DR01
PV12
+95.09
18'
+23.09

DR01
+56.25
12'
+78.25
PV12

DR01
PV12
+92.52
16'
+18.52

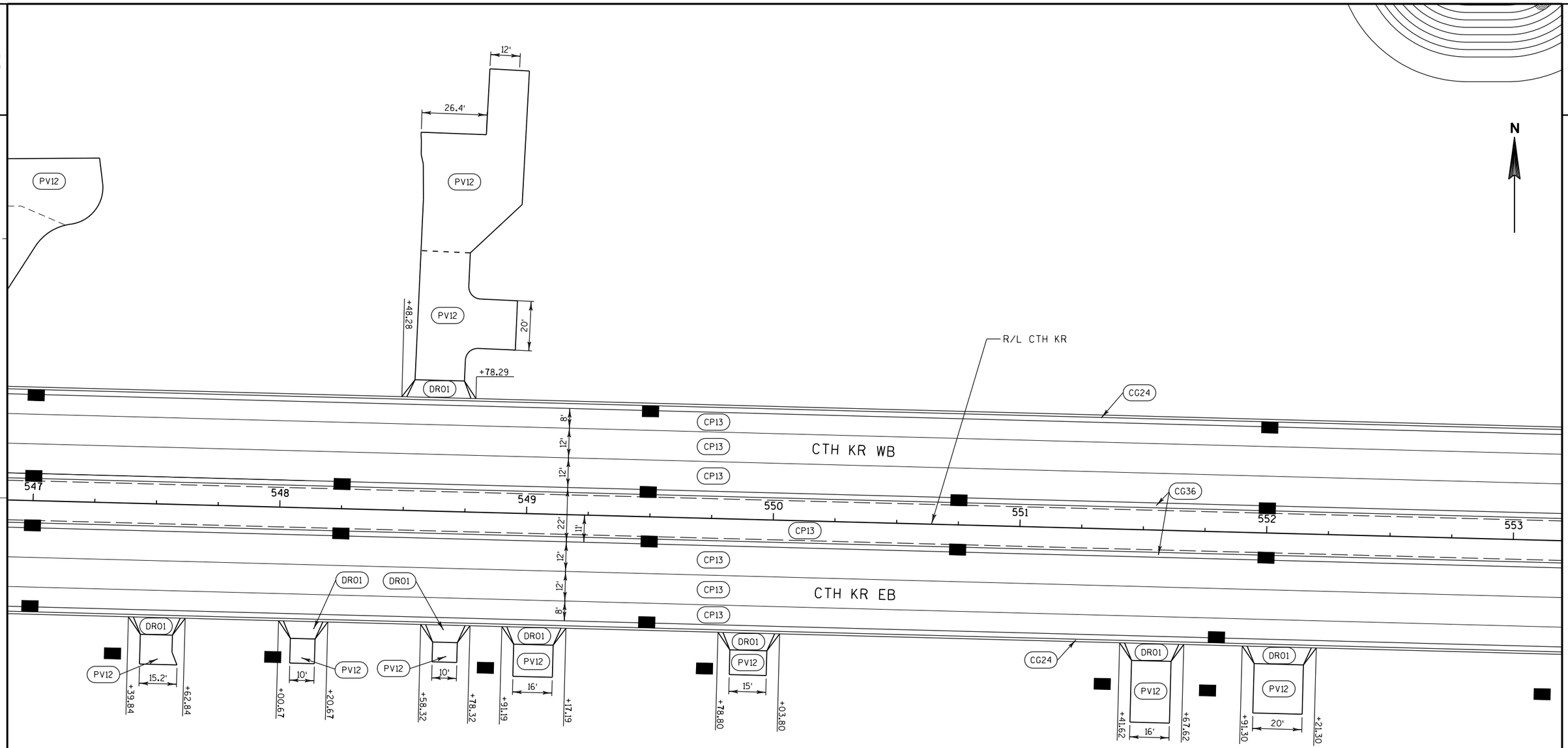
PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	PLAN DETAILS	SHEET E

PRE_49

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\021216_PD.dgn PLOT DATE : 8/28/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:40

WISDOT/CADDS SHEET 41

2



PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	PLAN DETAILS	SHEET E

PRE_50

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\021217_PD.dgn PLOT DATE : 8/28/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:40

2

N

18'
+90.35
PV12
+18.35
DR01

18'
+84.77
PV12
+12.77
DR01

R/L CTH KR

+25.30
PV12
15'
+53.30
DR01

CG24
CTH KR WB
CP13
CP13
4'
12'
12'
CG36
CP13
553
554
555
CP13
15'
556
CM01
557
CP13
14'
558
CG24
559
11'
12'
CM01
14'
11'
CP13

12'
CP13
CTH KR EB
12'
CP13
12'
CP13

CG24
LS04
+11.55
DR01
PV12
19.2'
+41.35
DR01
+00.78
+22.78
PV12
12'
CP13
CP13
CG06
PV10
LS04
CG06
AP13
202
56TH AVE
3'
AP13
3'
AGO1
AGO1
R/L 56TH AVE
SW01
201

PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	PLAN DETAILS	SHEET E

PRE_51

2

N

10'

PV10

B-30-144

LS04

CG06

PV10

2.4'

15'

+14.49

+39.49

PV12

DR01

15'

+97.04

+22.04

PV12

DR01

R/L CTH KR

CG24

CP13

CP13

CP14

CP14

CP14

CP13

CP13

CTH KR WB

4'

12'

12'

12'

2'

559

560

561

562

563

564

565

CP13

CP13

CP13

CP13

CM01

CG24

LS04

CG24

CM01

CP13

LS04

LS04

CG06

CP13

BG01

CP14

CP14

CP14

CP14

BG02

12'

12'

CP13

CP13

CP13

CG24

LS04

LS04

CTH KR EB

7'

10'

4'

LS04

PV10

DR01

PV10

LS04

PV12

+71.06

+99.06

12'

CG06

BG02

BG01

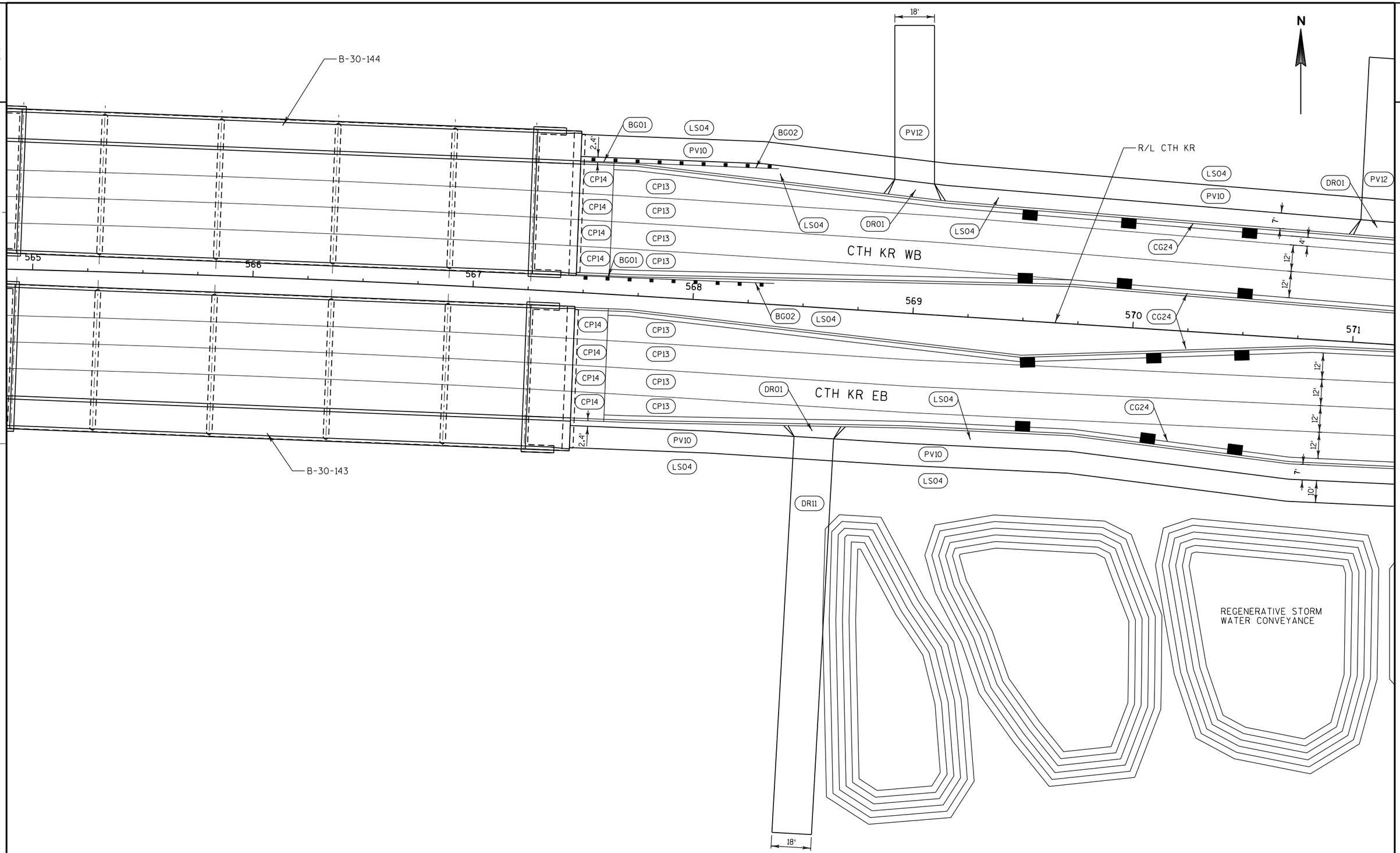
2.4'

B-30-143

PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	PLAN DETAILS	SHEET E

PRE_52

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\021219_PD.dgn PLOT DATE : 8/28/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:40

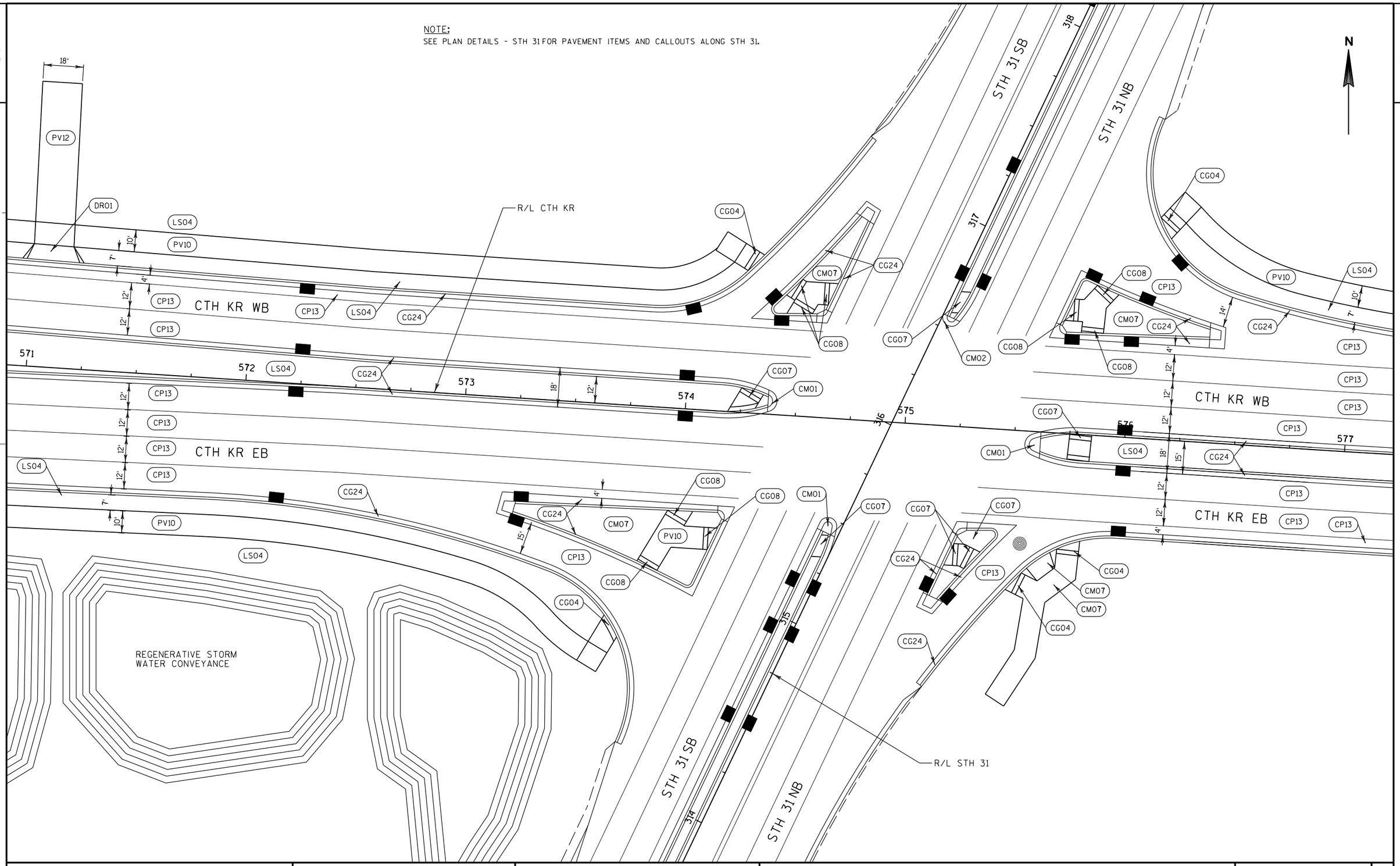


PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	PLAN DETAILS	SHEET E

PRE_53

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\021220_PD.dgn PLOT DATE : 8/28/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:40

NOTE:
SEE PLAN DETAILS - STH 31 FOR PAVEMENT ITEMS AND CALLOUTS ALONG STH 31.

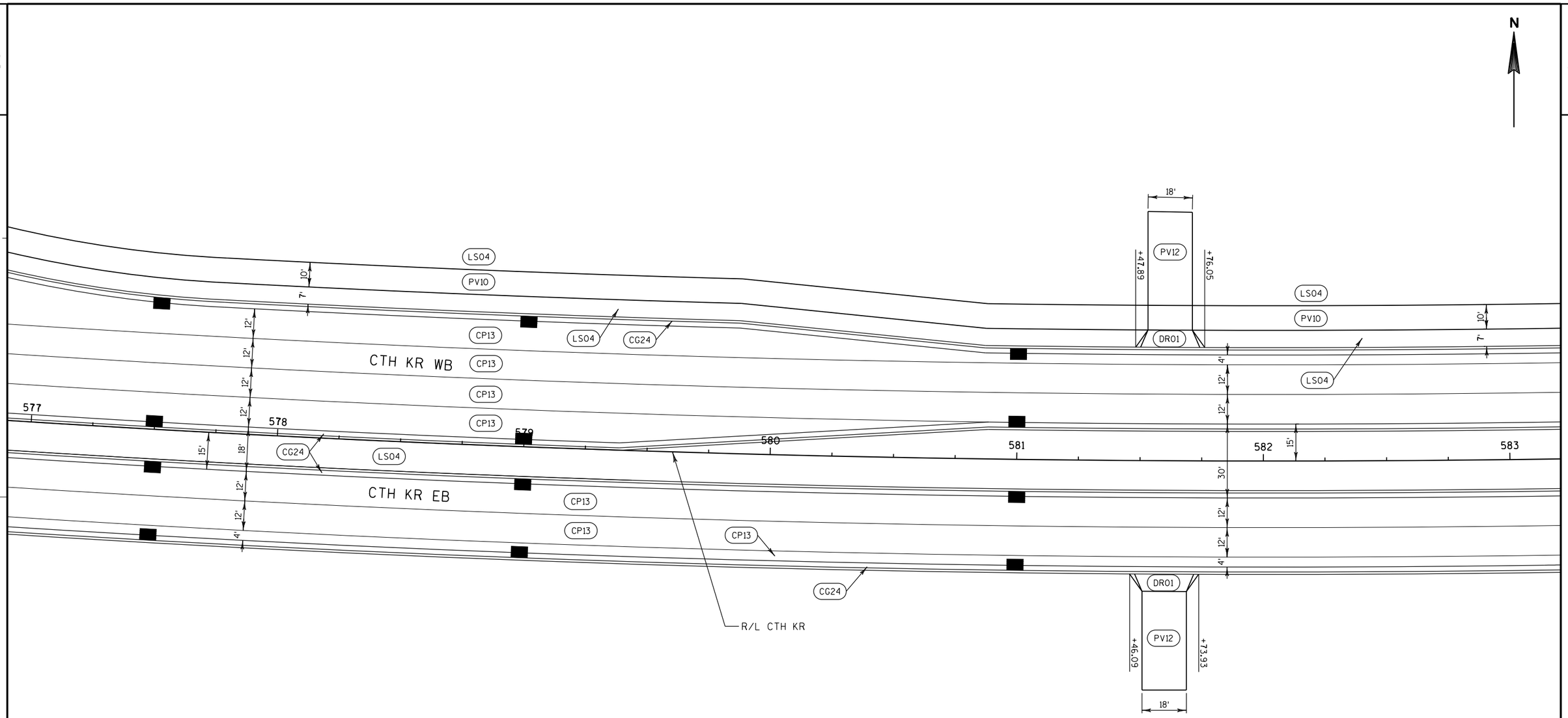


PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	PLAN DETAILS	SHEET E

PRE_54

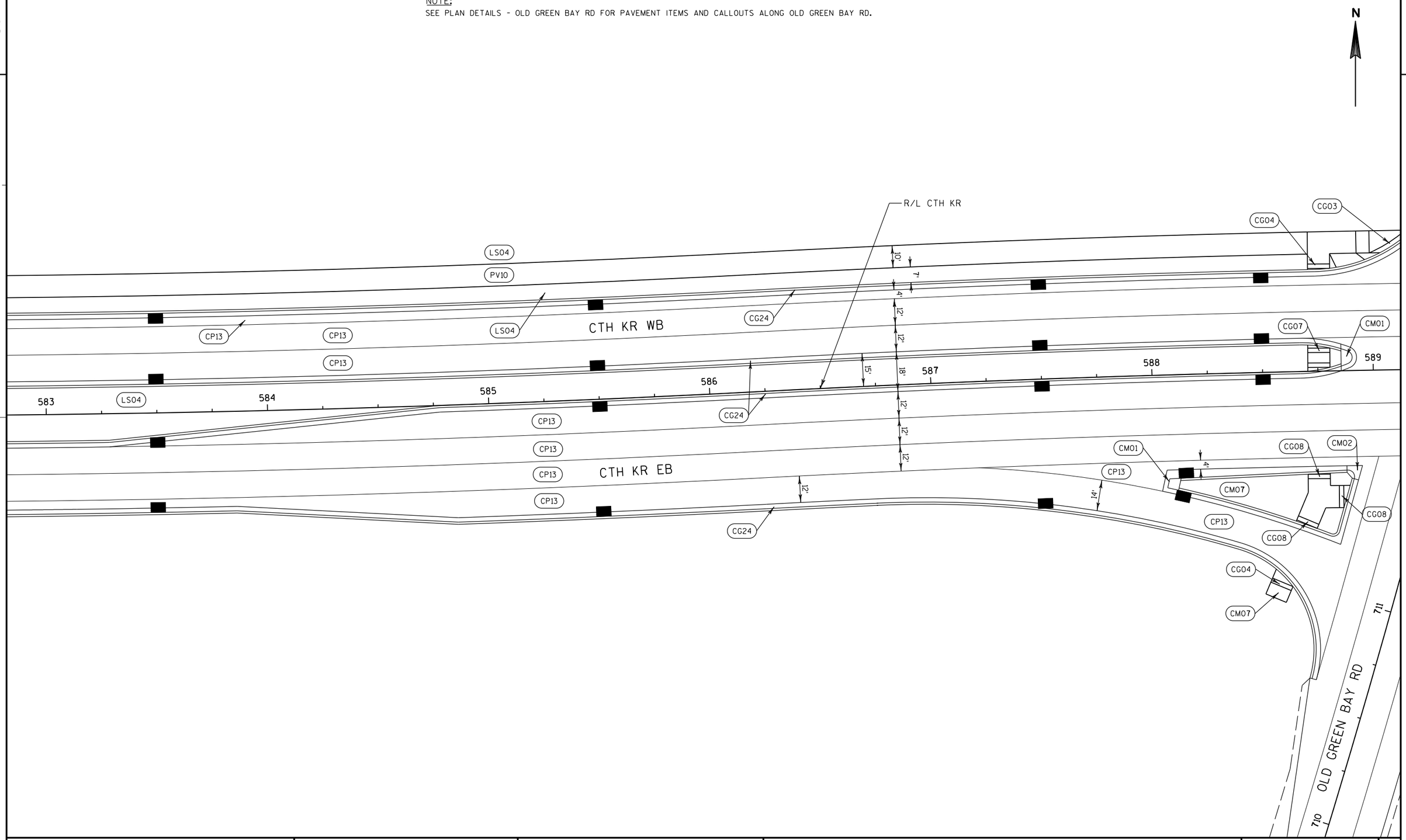
FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\021221_PD.dgn PLOT DATE : 8/28/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:40

WISDOT/CADDS SHEET 41



PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	PLAN DETAILS	SHEET E

NOTE:
SEE PLAN DETAILS - OLD GREEN BAY RD FOR PAVEMENT ITEMS AND CALLOUTS ALONG OLD GREEN BAY RD.



PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	PLAN DETAILS	SHEET E

PRE_56

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\021223_PD.dgn PLOT DATE : 8/28/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:40

WISDOT/CADDS SHEET 41

NOTE:
SEE PLAN DETAILS - OLD GREEN BAY RD FOR PAVEMENT ITEMS AND CALLOUTS ALONG OLD GREEN BAY RD.

N

OLD GREEN BAY RD

R/L OLD GREEN BAY RD

CTH KR WB

CTH KR EB

R/L CTH KR

OLD GREEN BAY RD

711 712 713 714

589 590 591 592 593 594 595

CM07 CG04 CG08 CG08 CP13 CM07 CM02 CG08 CG07 CM01 CG03 CM07

14' 4' 12' 12' 12' 18' 15' 12' 12' 12' 4'

CG24 LS04 CP13 CM01 DR01 DR11 +39.14 18.1' +67.05

PV12 XXXX +11.97 12' +46.09 +22.43 18' +50.43

PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	PLAN DETAILS	SHEET E

PRE_57

2

N

206

R/L VICKSBURG DR

VICKSBURG DR

106

901

16'

16'

CG24

CG24

CP13

CP13

R/L CTH KR

CG24

CP13

4'

12'

CP13

CTH KR WB

595

596

597

598

599

600

601

4'

CG24

LS04

CG24

CM01

12'

12'

CP13

CP13

CTH KR EB

12'

12'

4'

CG24

CP13

4'

CG24

CG24

CP13

CP13

CG24

801

AP13

AP13

22'

SW01

43RD AVE

R/L 43RD AVE

DR01

+36.96

+59.03

DR11

12'

DR01

+07.25

+33.25

12'

16'

DR11

PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	PLAN DETAILS	SHEET E

PRE_58

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\021225_PD.dgn PLOT DATE : 8/28/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:40

2

N

END PROJECT 3763-00-74
STA 603+70.91

R/L CTH KR

601 602 603 604 605 606 607

CG24

CP13

CTH KR WB

CTH KR EB

4'

12'

12'

4'

CP13

CP13

CP13

CP13

SW01

CG24

DR01

+37.63

+71.63

DR11

24'

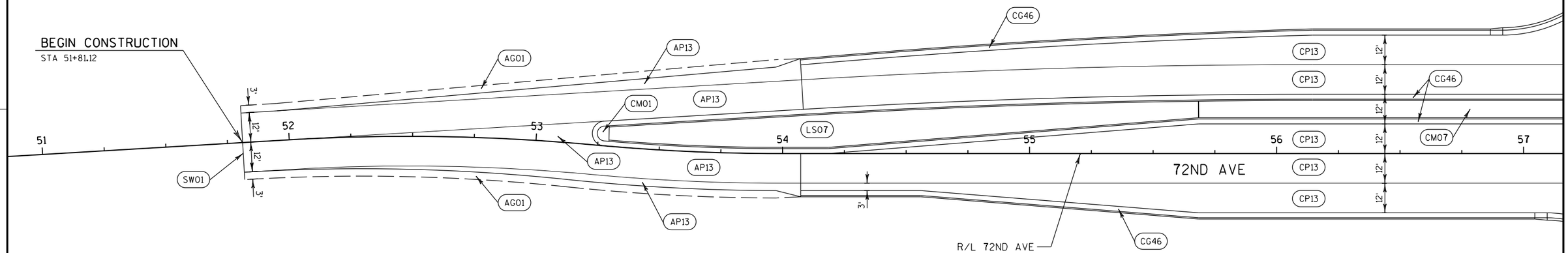
PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	PLAN DETAILS	SHEET E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\021226_PD.dgn PLOT DATE : 8/28/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:40

WISDOT/CADDS SHEET 41

NOTE:
SEE PLAN DETAILS - CTH KR FOR PAVEMENT ITEMS AND CALLOUTS ALONG CTH KR.

N



PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	PLAN DETAILS	SHEET E

PRE_60

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\021230_PD.dgn PLOT DATE : 8/28/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:40

WISDOT/CADDS SHEET 41

NOTE:
SEE PLAN DETAILS - CTH KR FOR PAVEMENT ITEMS AND CALLOUTS ALONG CTH KR.

N

CTH KR EB

CTH KR WB

90TH ST

503

504

505

506

CG24

CG46

CP13

CP13

CP13

CP13

CP13

CG46

CMO1

CGO7

CMO1

CG46

CGO7

CMO7

CMO7

CG24

CP13

CG46

LS04

R/L CTH KR

R/L 90TH ST

12'

12'

12'

12'

12'

12'

3'

57

58

59

60

61

62

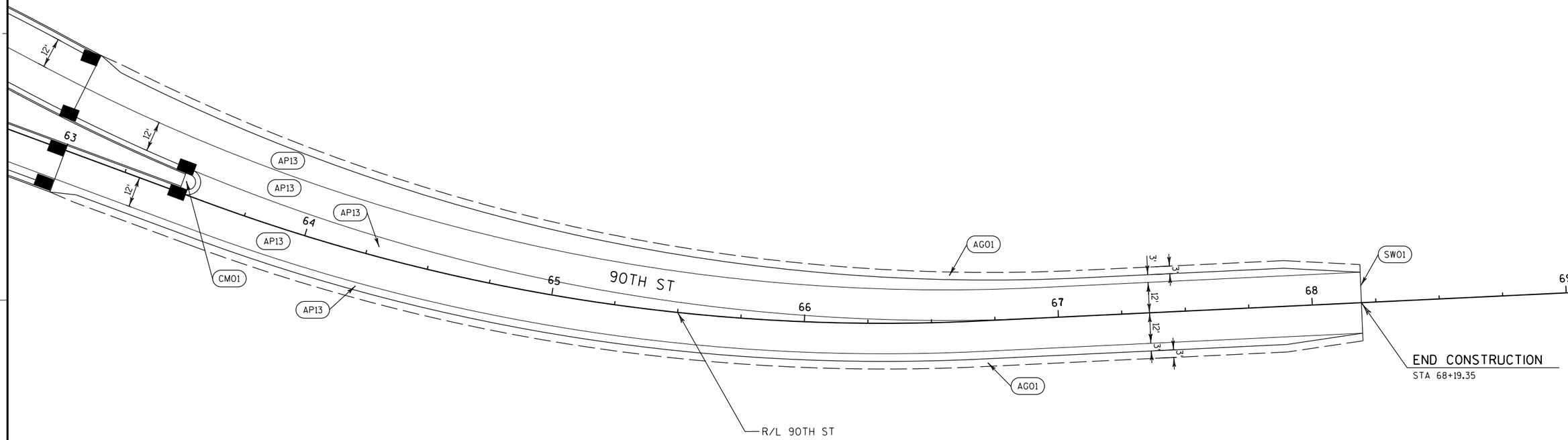
63

PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	PLAN DETAILS	SHEET E

PRE_61

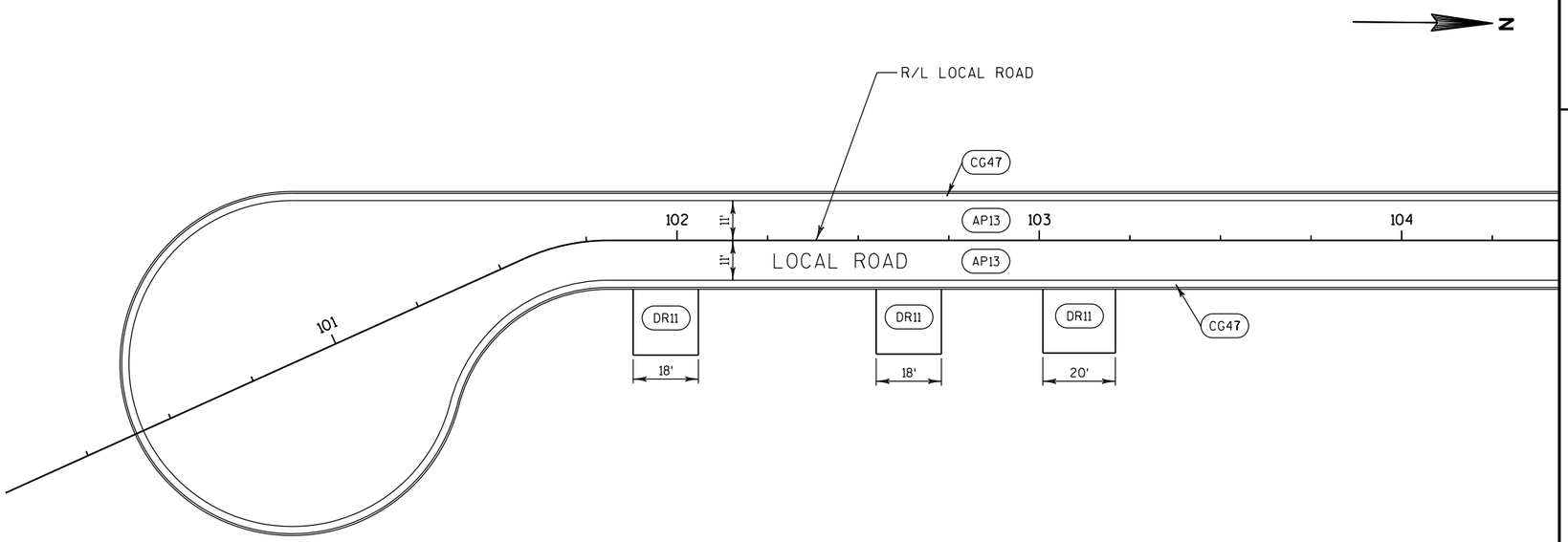
NOTE:
SEE PLAN DETAILS - CTH KR FOR PAVEMENT ITEMS AND CALLOUTS ALONG CTH KR.

N



PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	PLAN DETAILS	SHEET E

PRE_62

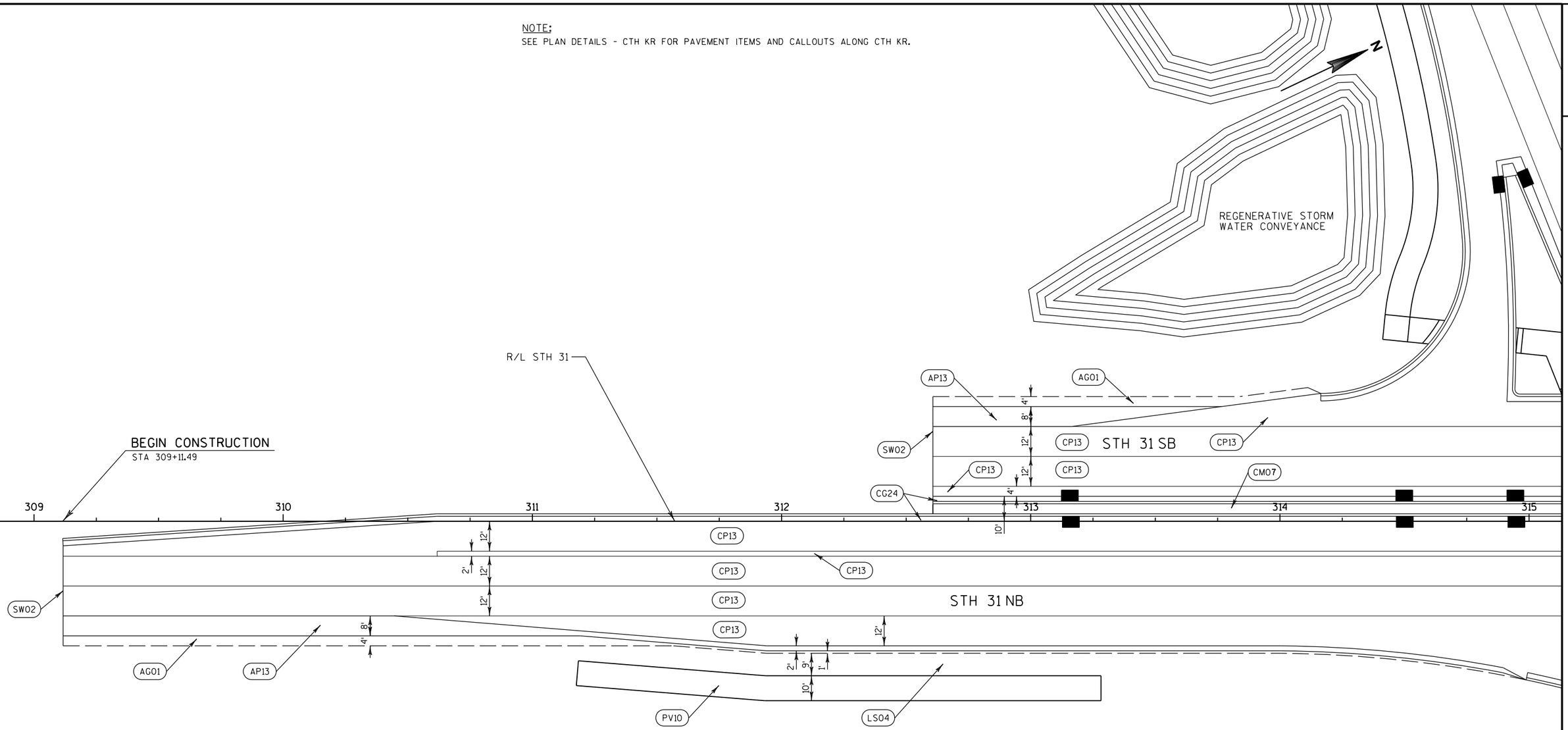


2

PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	PLAN DETAILS	SHEET E

PRE_63

NOTE:
SEE PLAN DETAILS - CTH KR FOR PAVEMENT ITEMS AND CALLOUTS ALONG CTH KR.



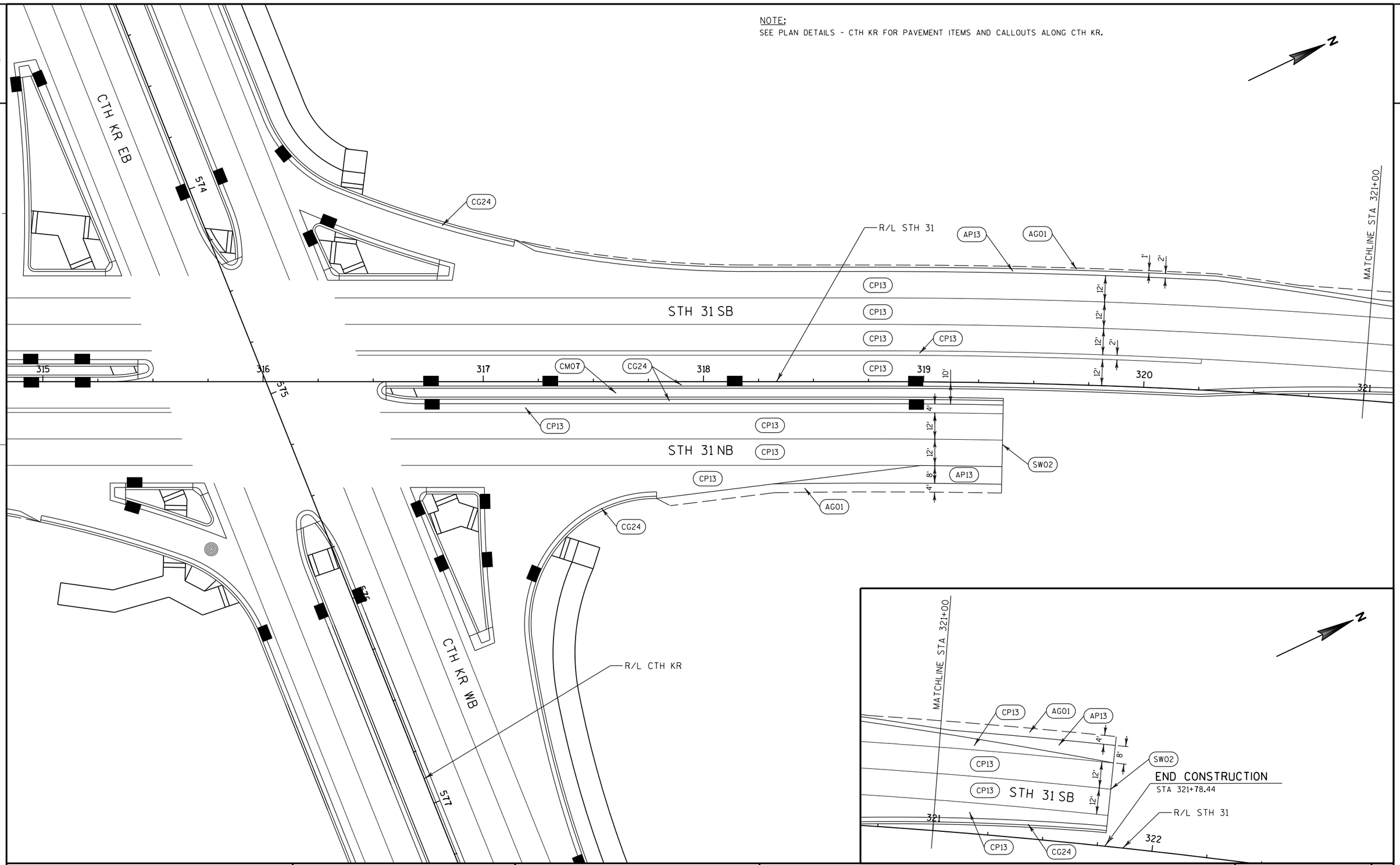
PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	PLAN DETAILS	SHEET E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\021233_PD.dgn PLOT DATE : 8/28/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:40

PRE_64

WISDOT/CADDS SHEET 41

NOTE:
SEE PLAN DETAILS - CTH KR FOR PAVEMENT ITEMS AND CALLOUTS ALONG CTH KR.



PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	PLAN DETAILS	SHEET E

NOTE:
SEE PLAN DETAILS - CTH KR FOR PAVEMENT ITEMS AND CALLOUTS ALONG CTH KR.

N

CTH KR EB

CTH KR WB

R/L CTH KR

588

589

590

591

R/L OLD GREEN BAY RD

BEGIN CONSTRUCTION
STA 709+24.53

OLD GREEN BAY RD

708 709 710 711 712 713 714

AP13 AG01 SW01 DR01 CP13

9' 3' 3' 3' 3' 3' 1' 2' 12'

22.3'

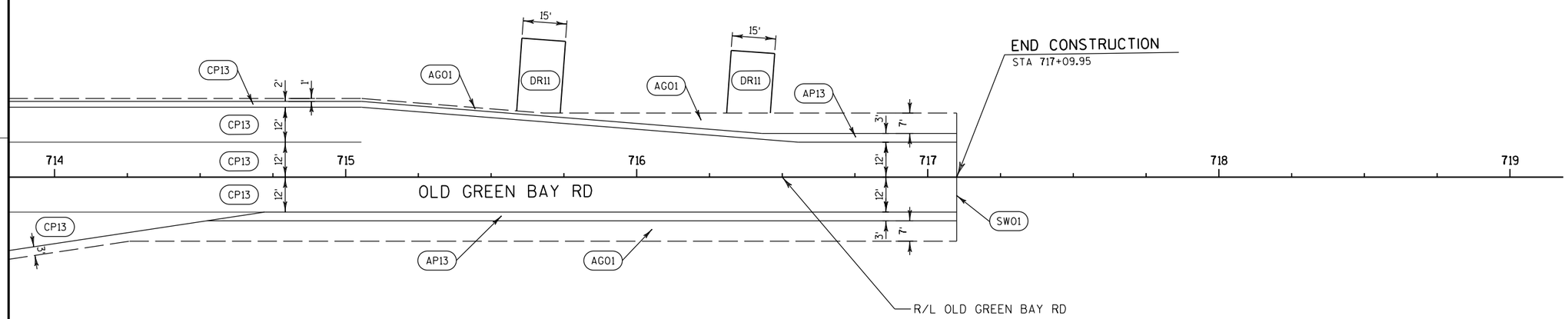
PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	PLAN DETAILS	SHEET E

PRE_66

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\021235_PD.dgn PLOT DATE : 8/28/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:40

WISDOT/CADDS SHEET 41

NOTE:
SEE PLAN DETAILS - CTH KR FOR PAVEMENT ITEMS AND CALLOUTS ALONG CTH KR.



PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	PLAN DETAILS	SHEET E

PRE_67

DETENTION POND G

DETENTION POND L

PE143

REMOVING PIPE BULKHEAD

P142

141

BEGIN PROJECT

STA 452+75.00

P138

P140

139

SLOPE INTERCEPT (TYP)

PROPOSED R/W

PLE

161

267

P162

P164

163

165

181

P266

265

253

251

241

P252

P166

P254

P168

169

167

P182

187

P264

263

261

CTH KR WB

247

P242

P234

P248

P262

P188

P194

P250

P246

245

P244

P158

P152

151

157

P156

155

CTH KR EB

P170

171

185

193

259

P172

P184

P192

P258

173

183

191

257

P174

175

255

P256

243

137

P136

P132

P134

133

135

113

101

P102

107

P108

455

456

457

458

459

460

461

462

463

464

465

466

467

452

453

454

P106

105

P104

129

P130

P126

P124

125

127

111

P128

P112

P110

121

P122

123

109

103

153

TLE

R/L CTH KR

N

2

2

745

740

735

730

725

720

715

710

705

700

EXISTING PROFILE AT STORM SEWER TRUNKLINE

PROPOSED PROFILE AT STORM SEWER TRUNKLINE

141
723.50

135
723.50

113
723.82

107
724.66

157
724.15

169
722.93

171
722.93

173
722.61

175

267

265
721.89

263
722.17

261
722.35

247
723.37

REMOVING PIPE BULKHEAD

EXISTING 24"

719.12

719.25

719.53

719.82

719.07

718.26

717.51

718.35

718.37

718.37

718.50

718.50

718.78

718.78

SSPRC CL IV 24" @ 0.30%

SSPRC CL IV 24" @ 0.30%

SSPRC CL IV 24" @ 0.30%

SSPRC CL IV 24" @ 0.30%

SSPRC CL IV 24" @ 0.50%

716.41

716.40

716.41

SSPRC CL IV 30" @ 0.35%

716.32

716.32

SSPRC CL IV 30" @ 0.35%

716.19

716.19

SSPRC CL IV 30" @ 0.35%

717.80

717.83

716.00

716.03

718.57

719.69

SSPRCHE CL IV 24" X 38" @ 0.50%

SSPRC CL IV 24" @ 0.50%

718.17

718.42

718.36

718.36

718.17

718.17

SSPRCHE CL IV 24" X 38" @ 0.30%

SSPRCHE CL IV 24" X 38" @ 0.30%

718.08

718.08

SSPRCHE CL IV 24" X 38" @ 0.30%

719.33

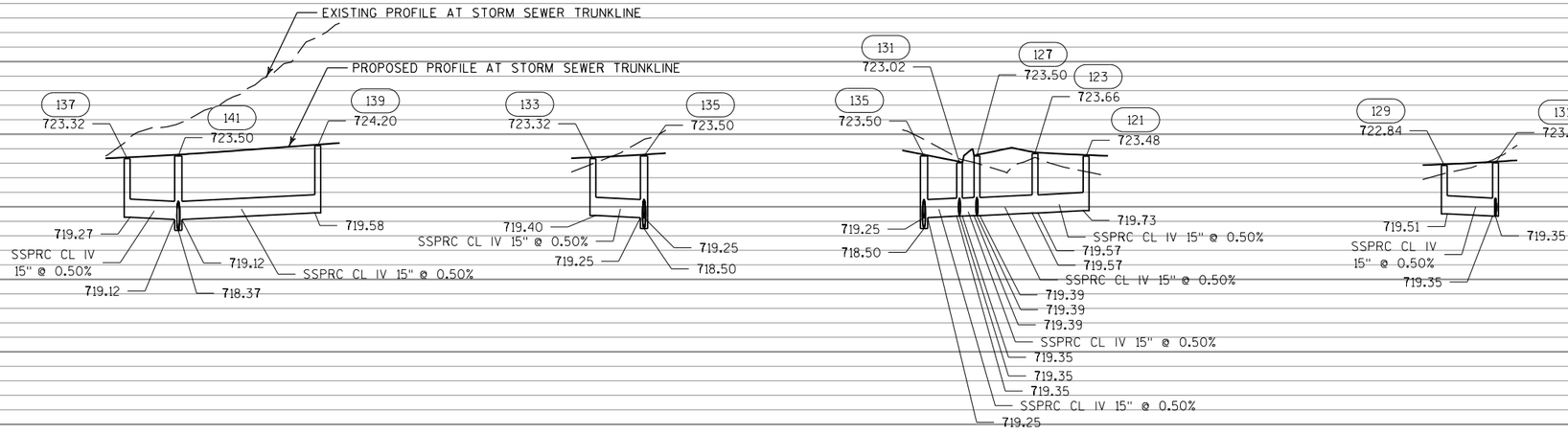
719.33

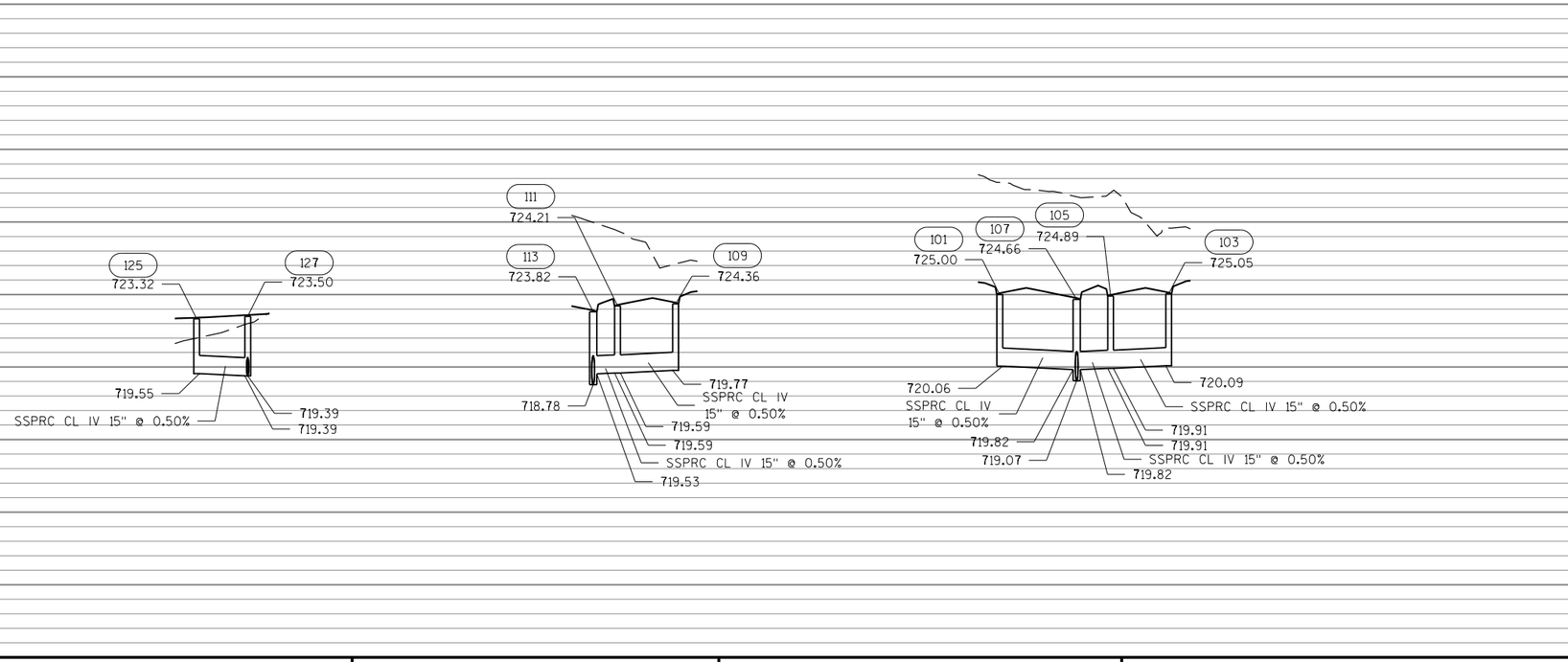
PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	STORM SEWER PLAN AND PROFILE: CTH KR	SHEET E

PRE_68

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\022501_SS.dgn PLOT DATE : 8/28/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:100

WISDOT/CADDS SHEET 41



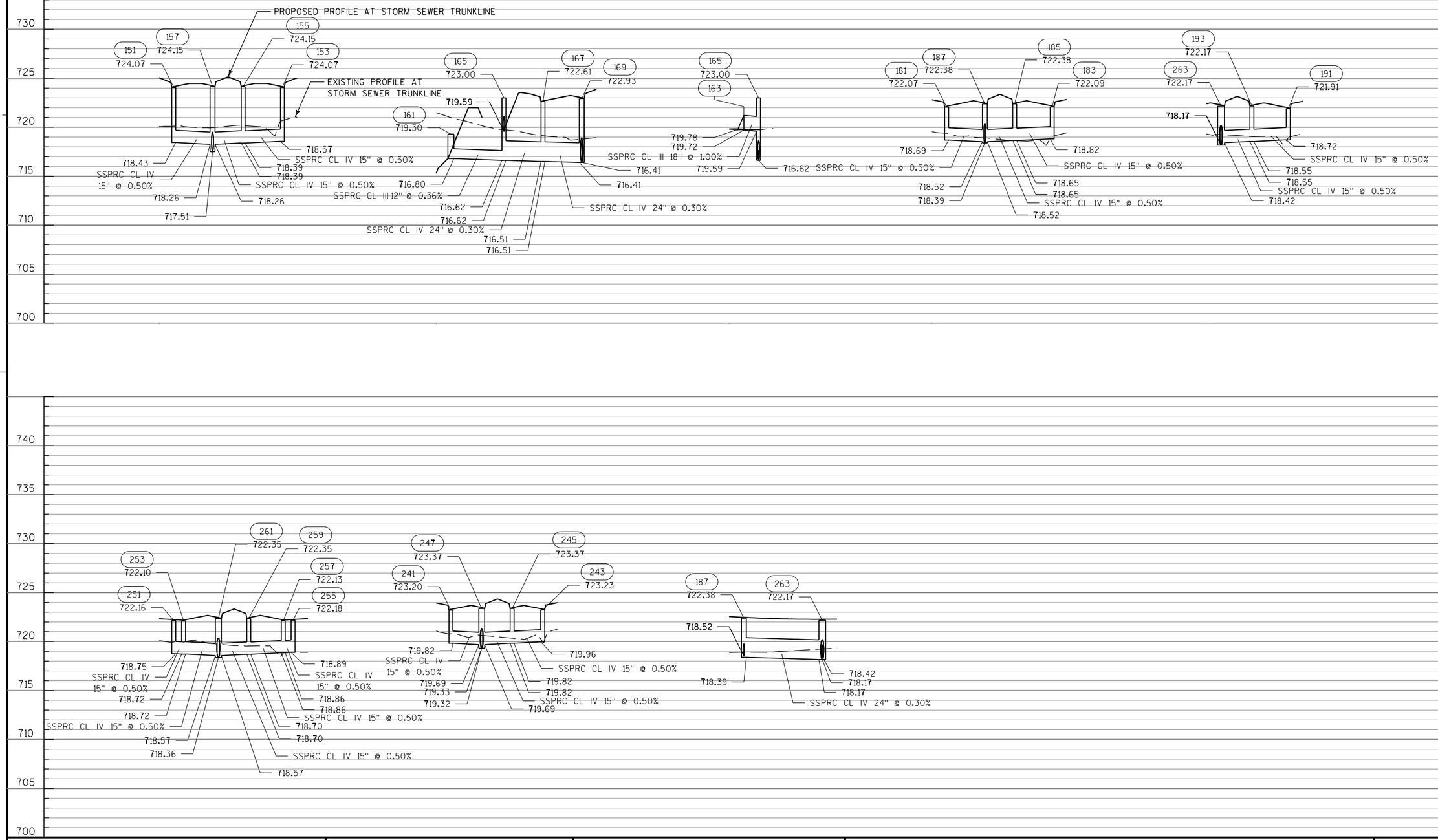


PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	STORM SEWER PLAN AND PROFILE: CTH KR	SHEET E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\022501A_SS.dgn PLOT DATE : 8/28/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:100

PRE_69

WISDOT/CADDS SHEET 41

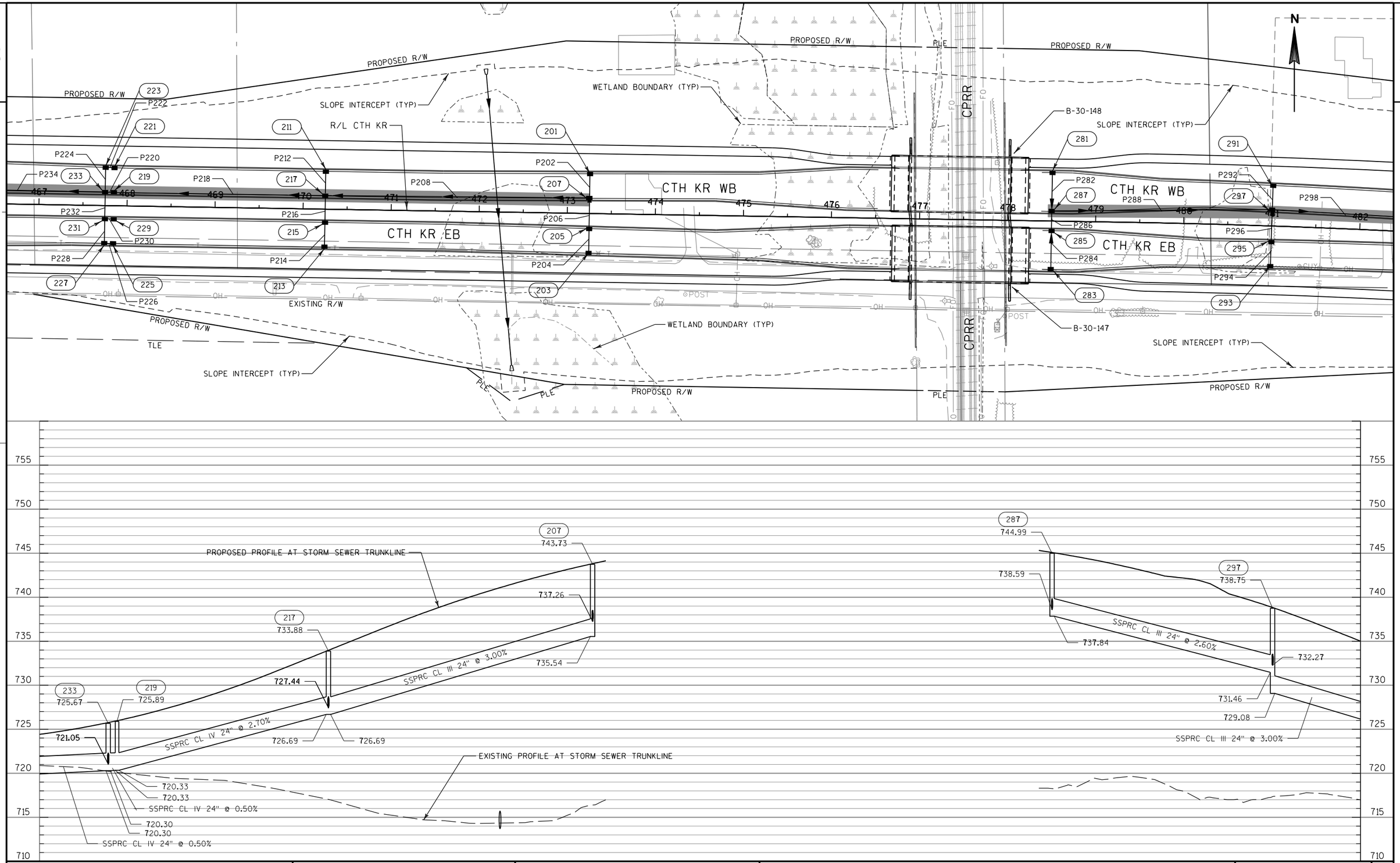


PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	STORM SEWER PLAN AND PROFILE: CTH KR	SHEET E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\022501B_SS.dgn PLOT DATE : 8/28/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:100

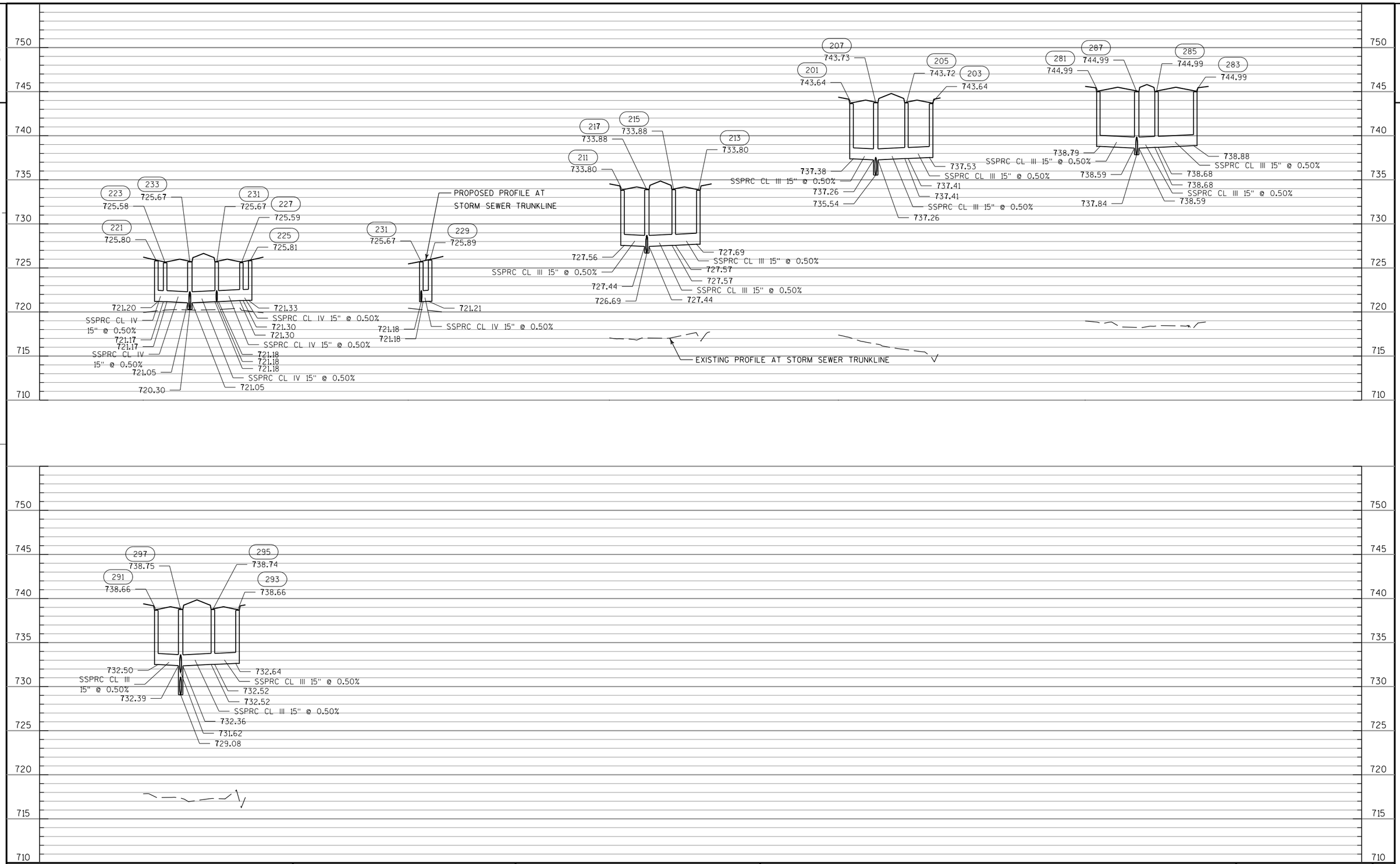
PRE_70

WISDOT/CADDS SHEET 41



PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	STORM SEWER PLAN AND PROFILE: CTH KR	SHEET E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\022502_SS.dgn PLOT DATE : 8/28/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:100
WISDOT/CADDS SHEET 41

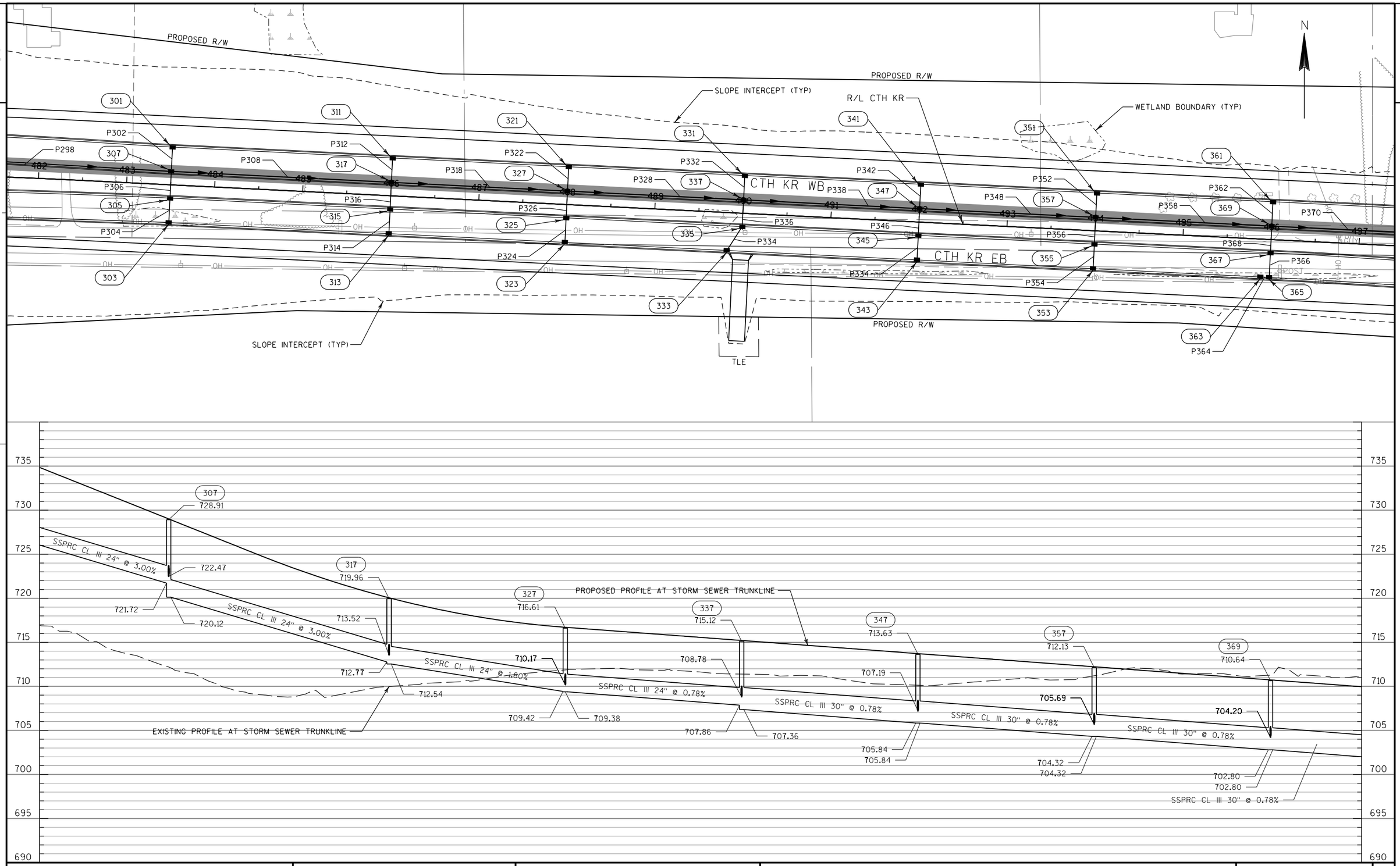


PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	STORM SEWER PLAN AND PROFILE: CTH KR	SHEET E

PRE_72

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\022502A_SS.dgn PLOT DATE : 8/28/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:100

WISDOT/CADDS SHEET 41

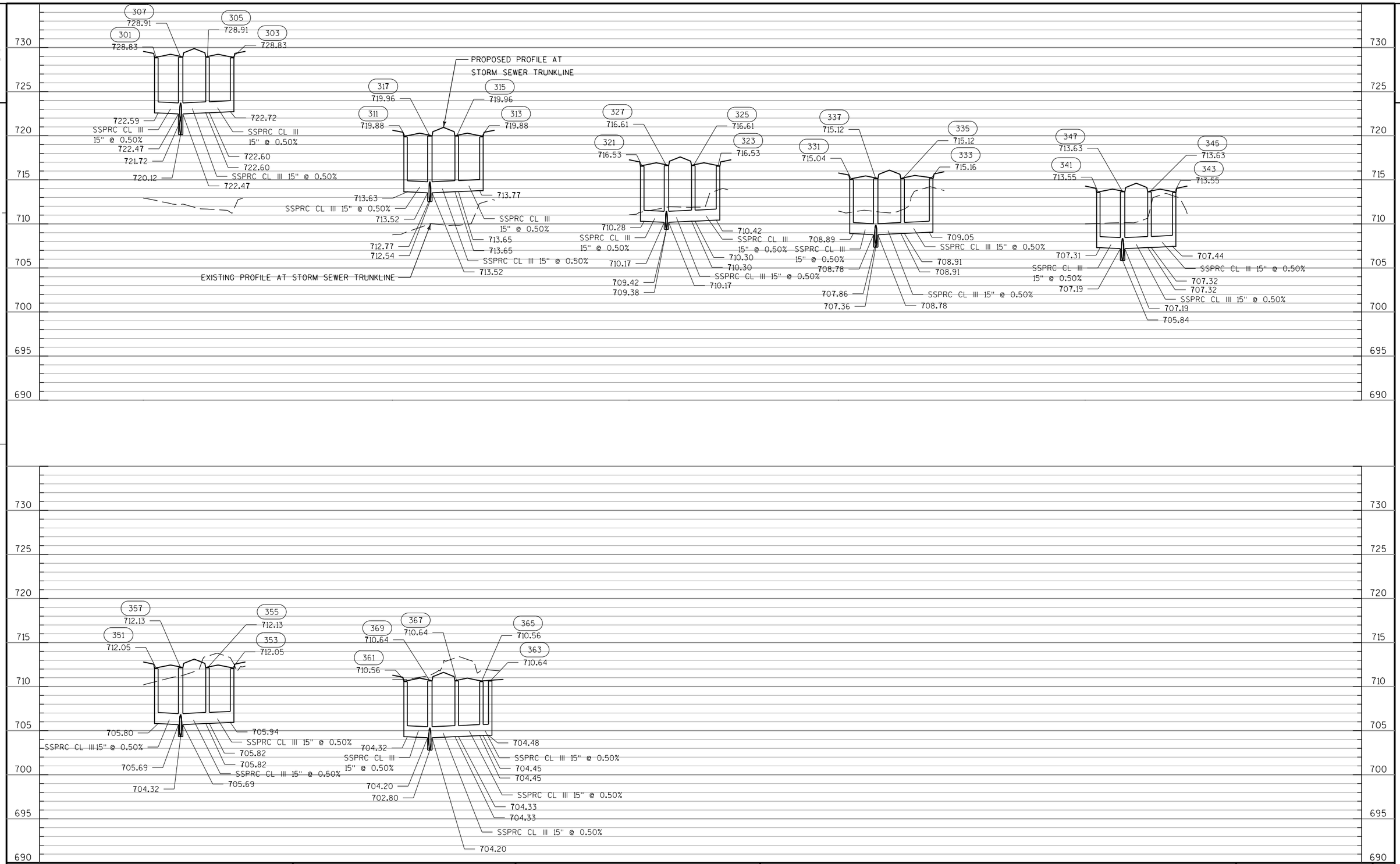


PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	STORM SEWER PLAN AND PROFILE: CTH KR	SHEET E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\022503_SS.dgn PLOT DATE : 8/28/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:100

PRE_73

WISDOT/CADDS SHEET 41



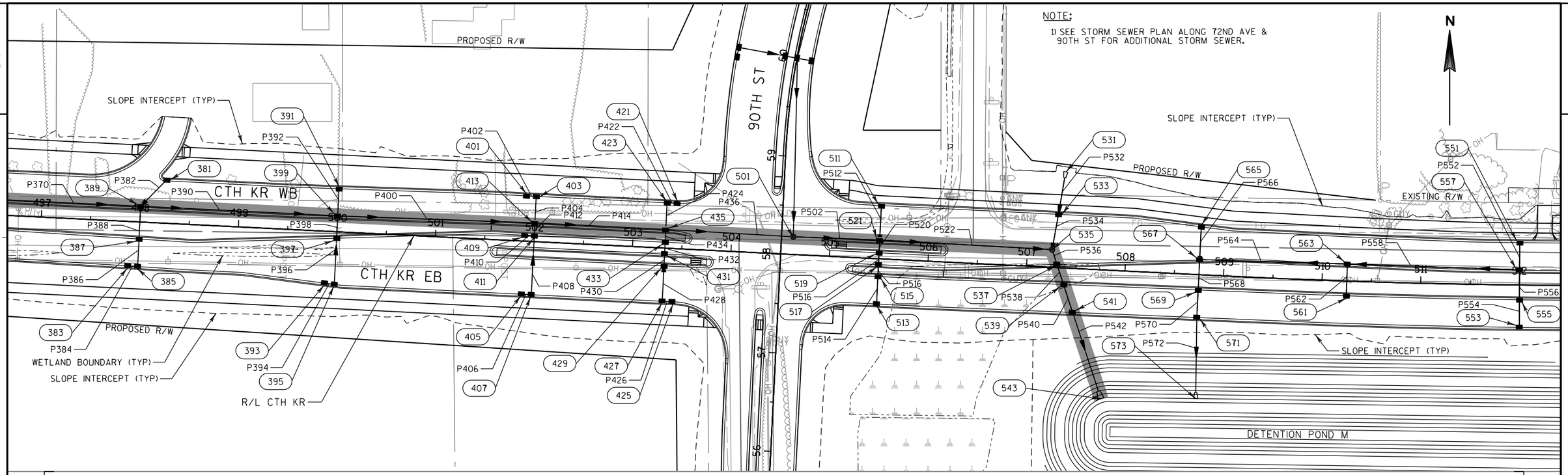
PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	STORM SEWER PLAN AND PROFILE: CTH KR	SHEET E

PRE_74

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\022503A_SS.dgn PLOT DATE : 8/28/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:100

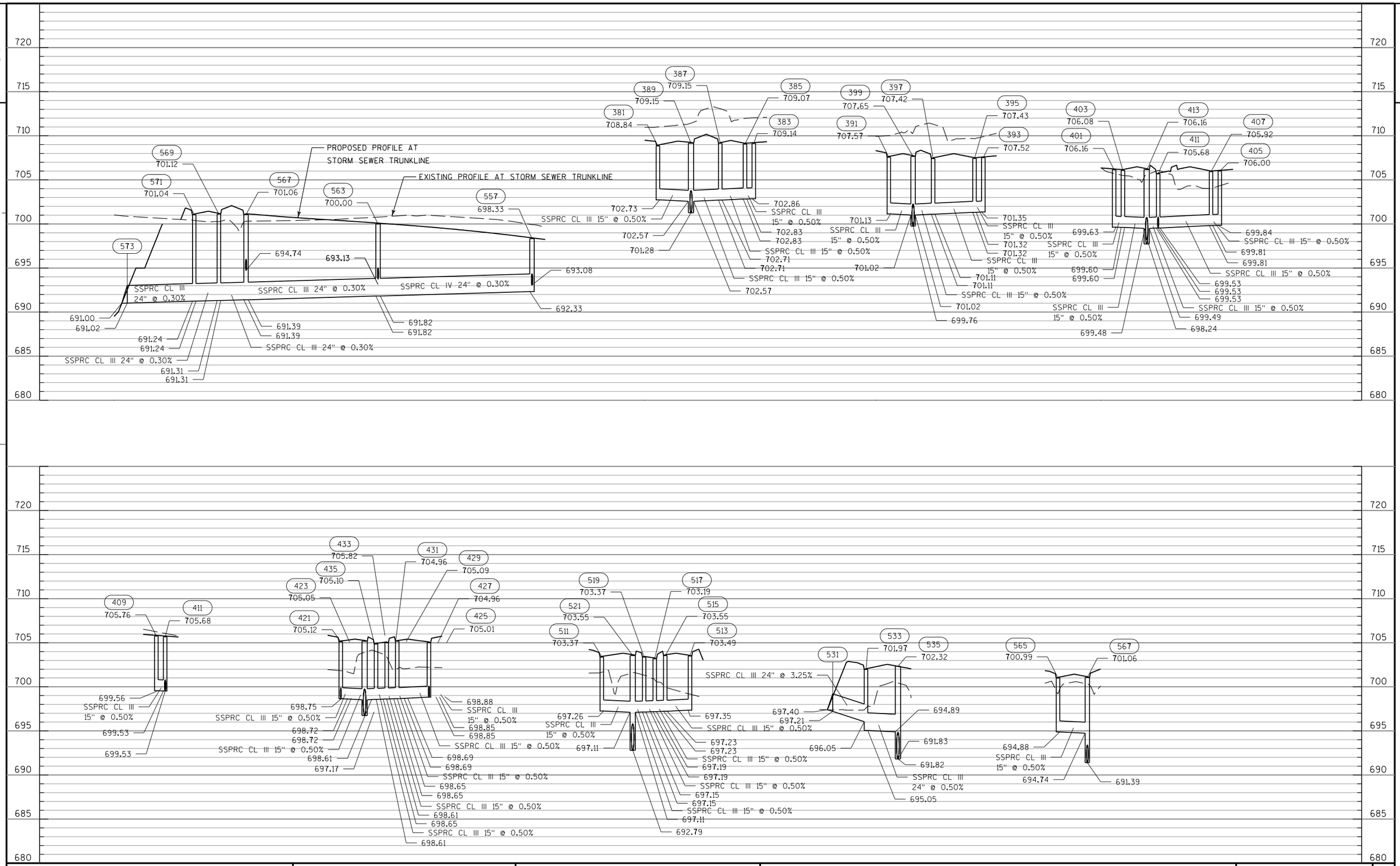
NOTE:

1) SEE STORM SEWER PLAN ALONG 72ND AVE & 90TH ST FOR ADDITIONAL STORM SEWER.



2

PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	STORM SEWER PLAN AND PROFILE: CTH KR	SHEET E



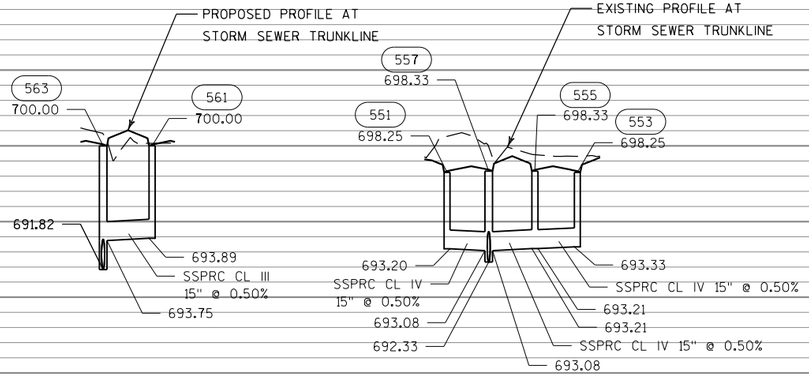
PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	STORM SEWER PLAN AND PROFILE: CTH KR	SHEET E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\022504A_SS.dgn PLOT DATE : 8/28/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:100

PRE_76

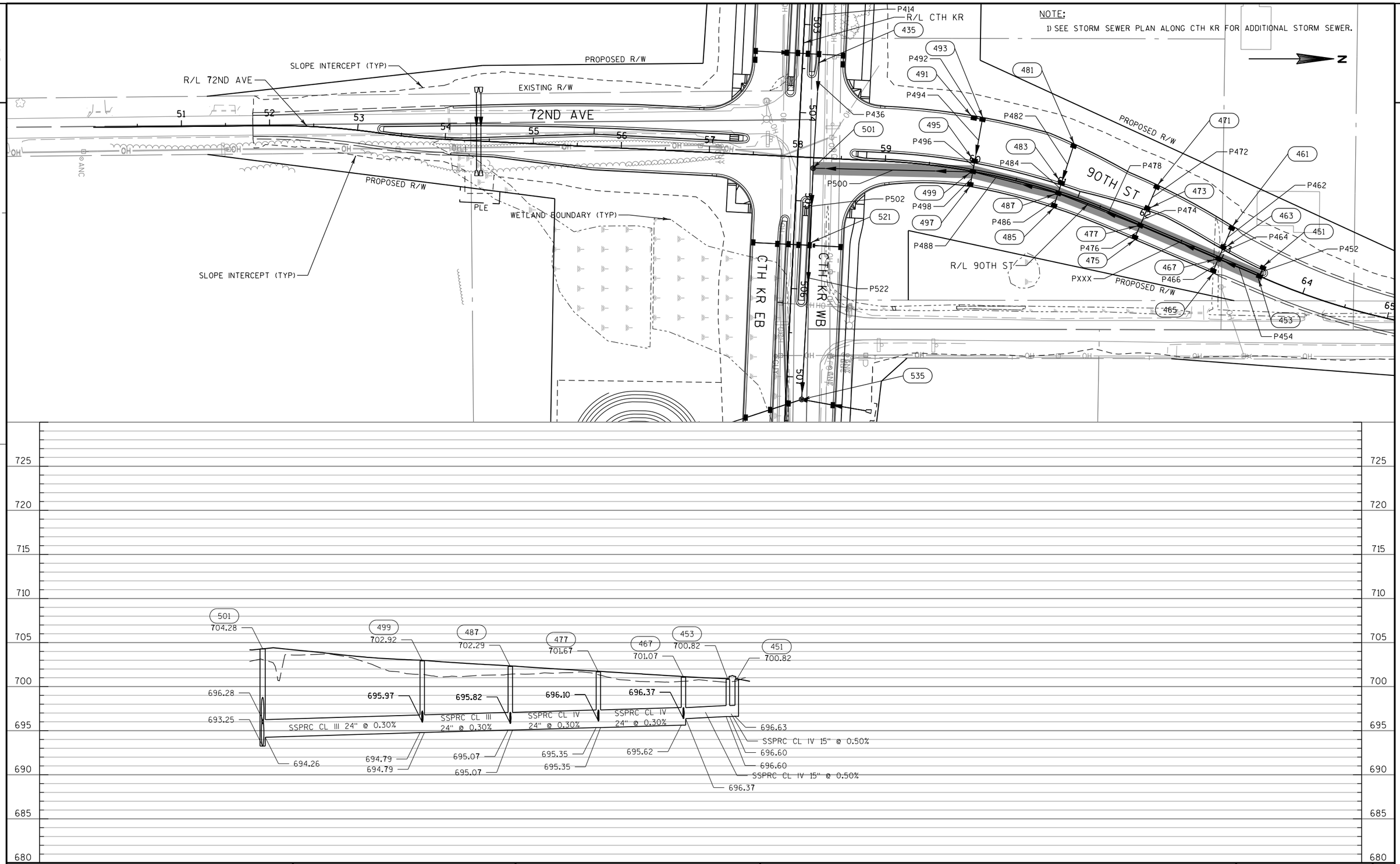
WISDOT/CADDS SHEET 41

720
715
710
705
700
695
690
685
680

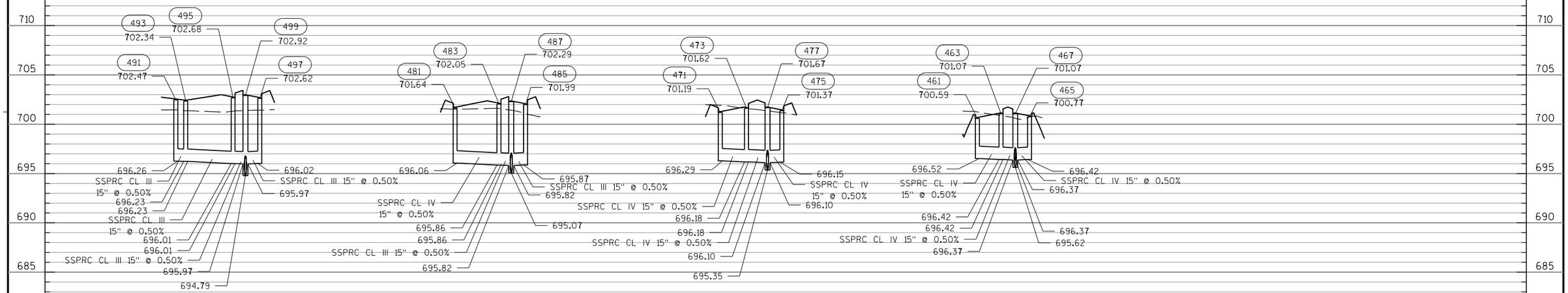


PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	STORM SEWER PLAN AND PROFILE: CTH KR	SHEET E

PRE_77

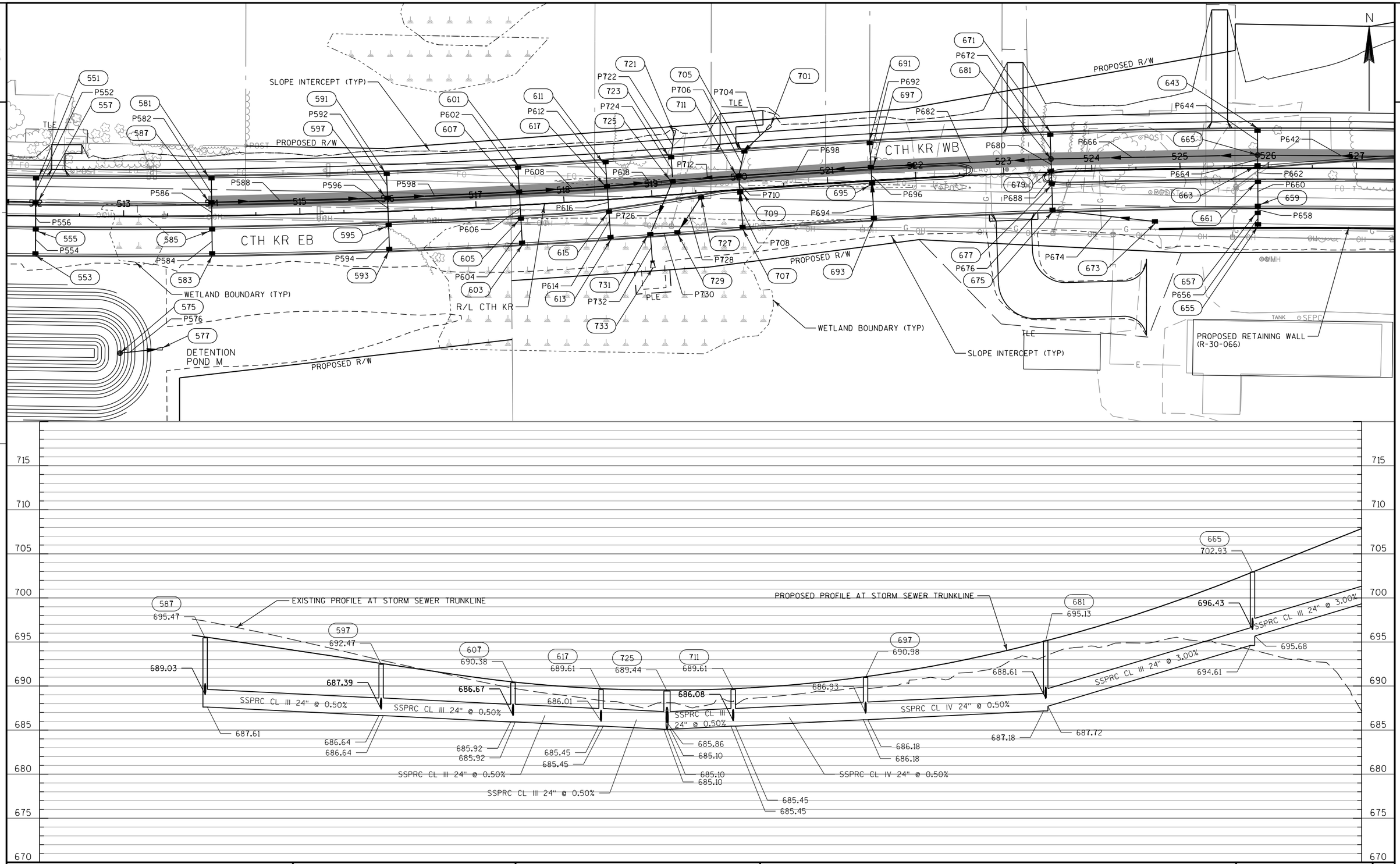


PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	STORM SEWER PLAN AND PROFILE: 72ND AVE/90TH ST	SHEET E

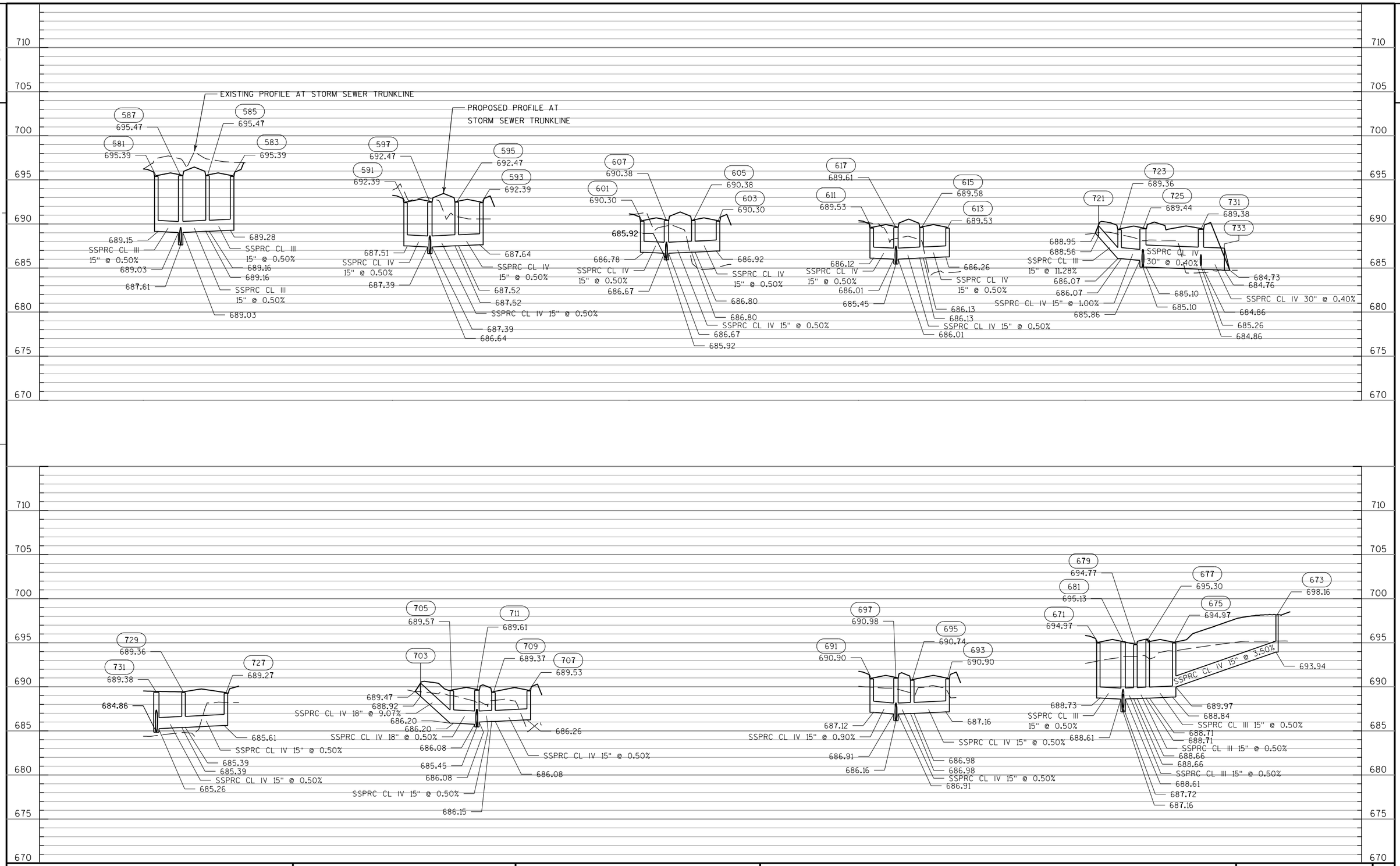


PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	STORM SEWER PLAN AND PROFILE: 72ND AVE/90TH ST	SHEET E

PRE_79



PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	STORM SEWER PLAN AND PROFILE: CTH KR	SHEET E

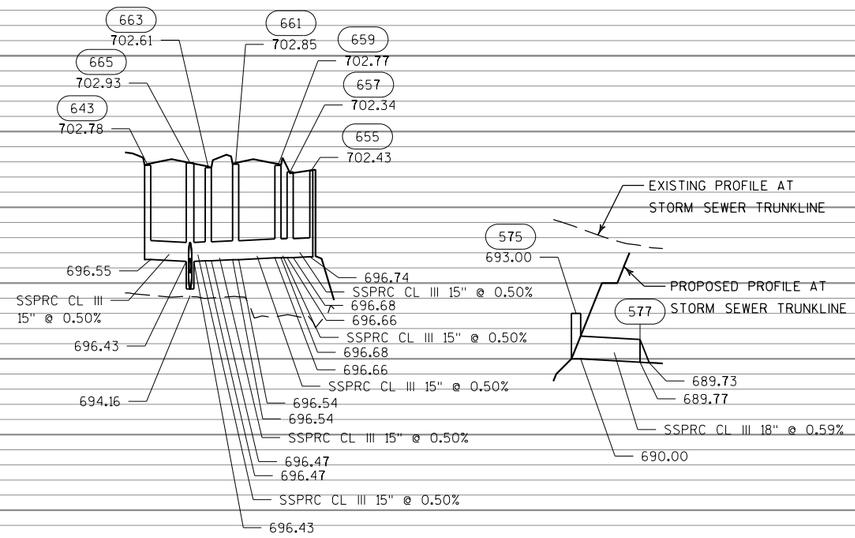


PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	STORM SEWER PLAN AND PROFILE: CTH KR	SHEET E

PRE_81

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\022505A_SS.dgn PLOT DATE : 8/28/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:100

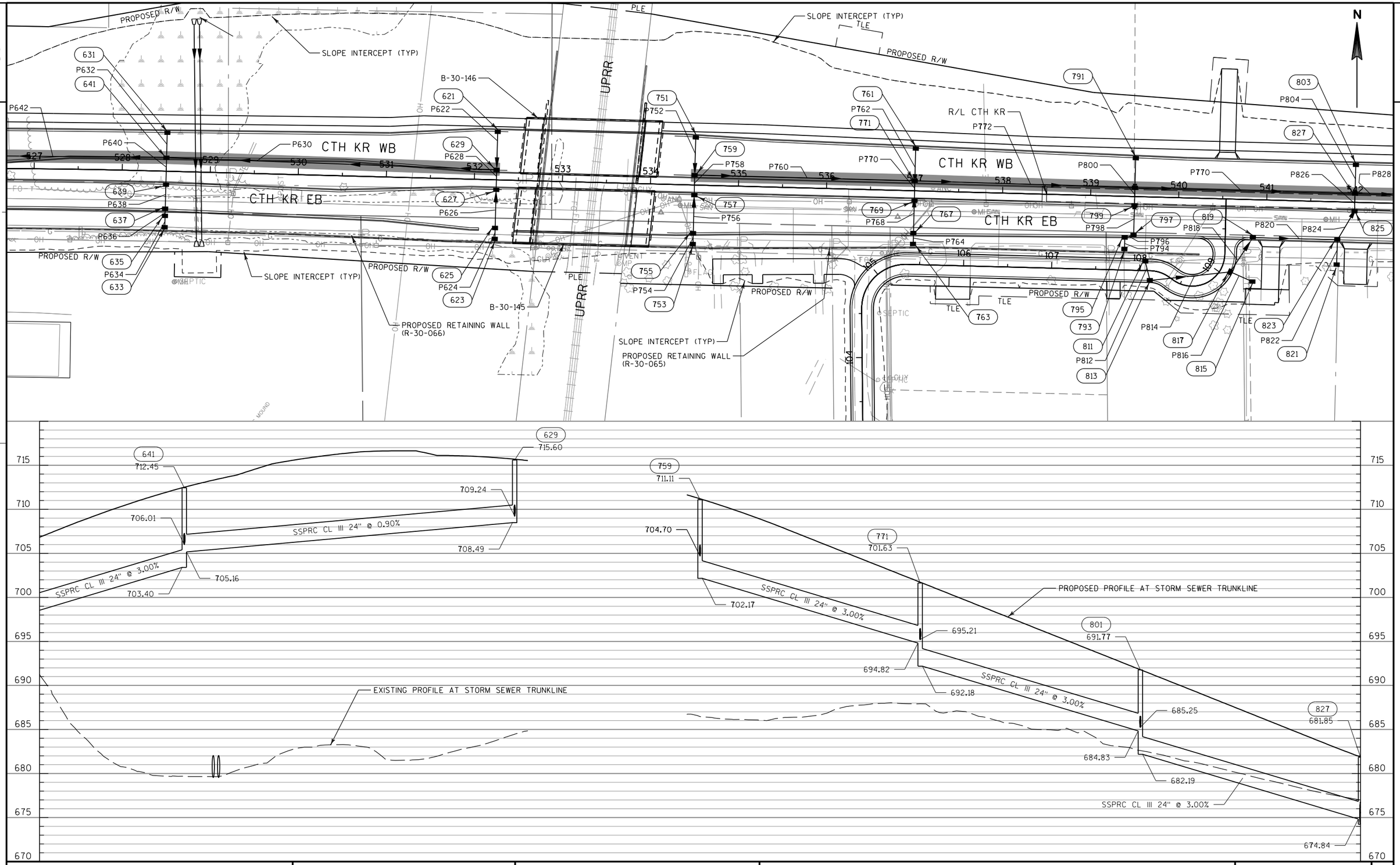
WISDOT/CADDS SHEET 41



PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	STORM SEWER PLAN AND PROFILE: CTH KR	SHEET E

PRE_82

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\022505B_SS.dgn PLOT DATE : 8/28/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:100
WISDOT/CADDS SHEET 41

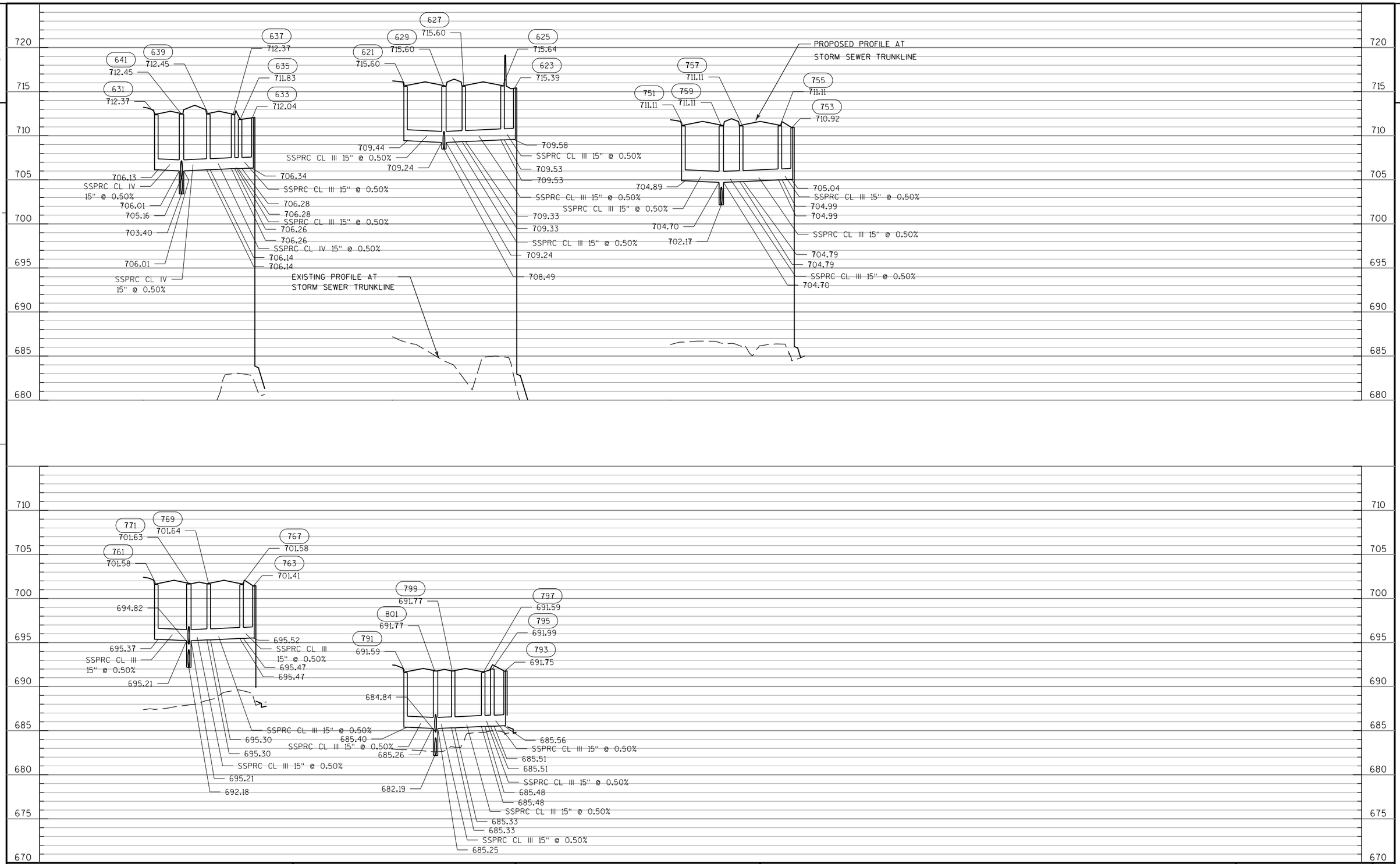


PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	STORM SEWER PLAN AND PROFILE: CTH KR	SHEET E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\022506_SS.dgn PLOT DATE : 8/28/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:100

PRE_83

WISDOT/CADDS SHEET 41

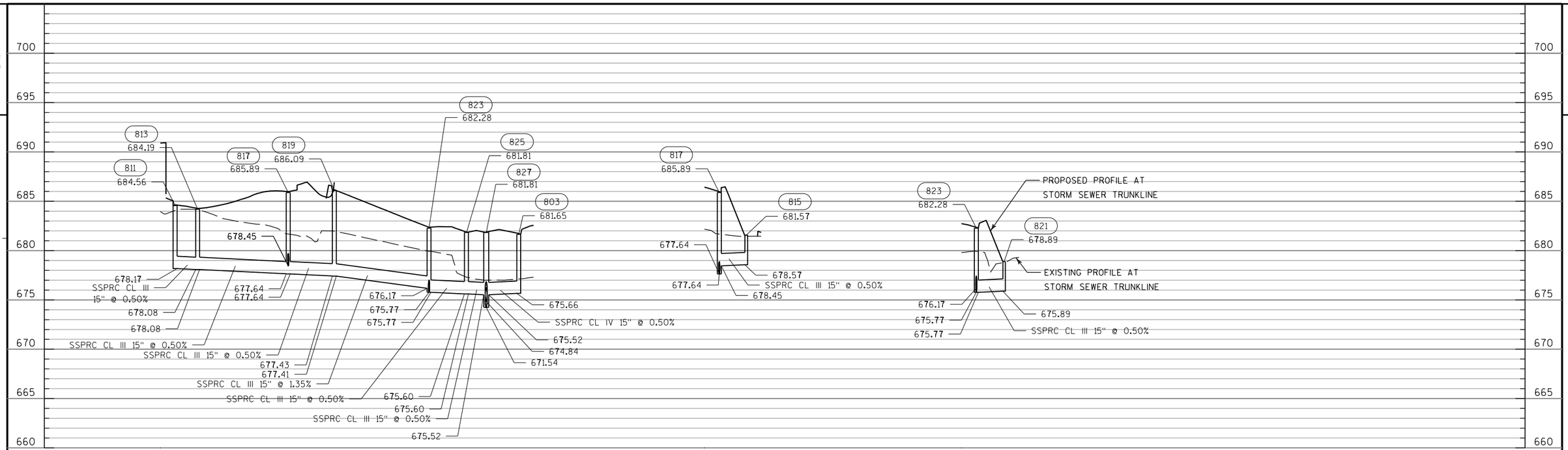


PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	STORM SEWER PLAN AND PROFILE: CTH KR	SHEET E

PRE_84

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\022506A_SS.dgn PLOT DATE : 8/28/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:100

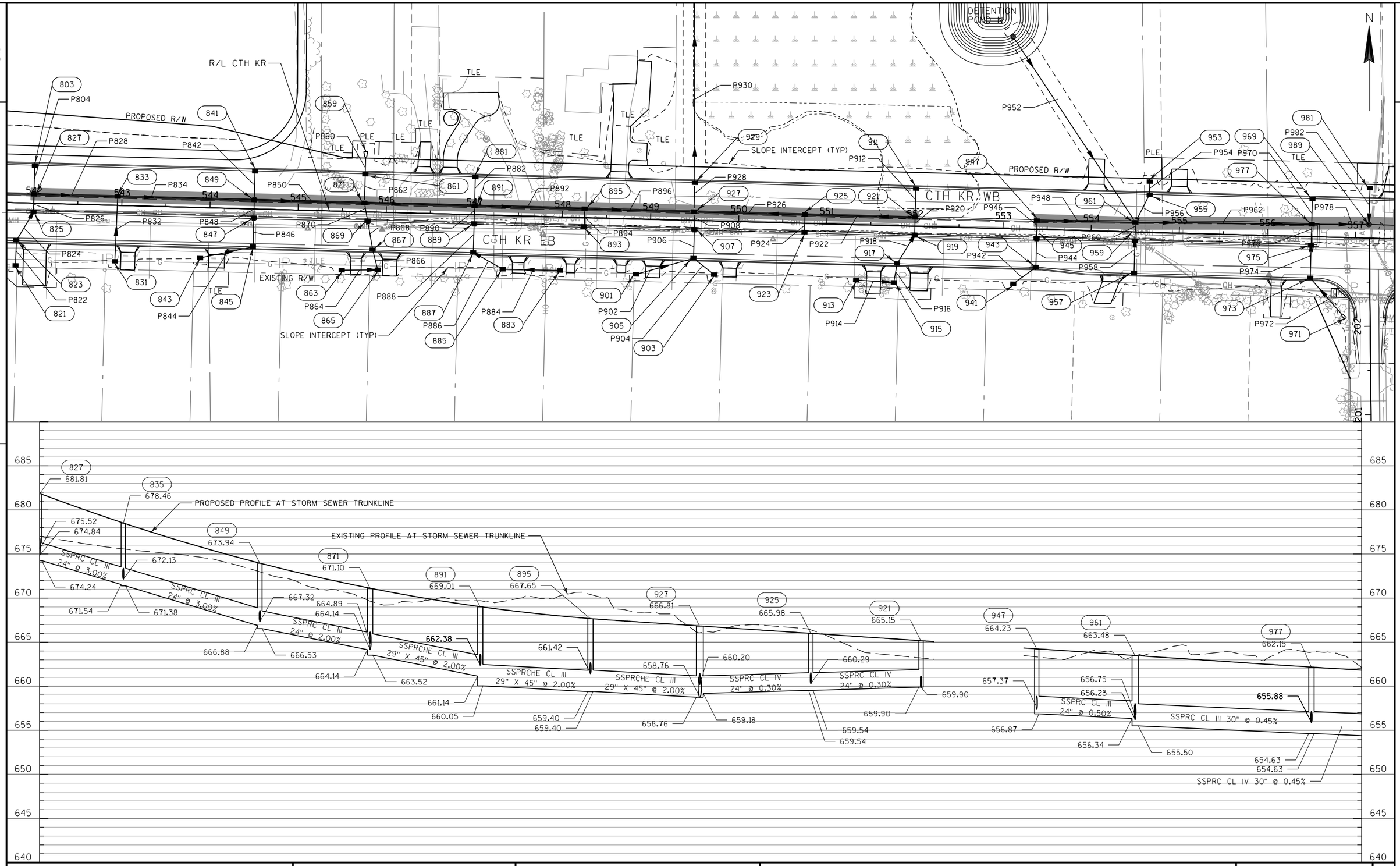
WISDOT/CADDS SHEET 41



PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	STORM SEWER PLAN AND PROFILE: CTH KR	SHEET E

PRE_85

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\022506B_SS.dgn PLOT DATE : 8/28/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:100
WISDOT/CADDS SHEET 41

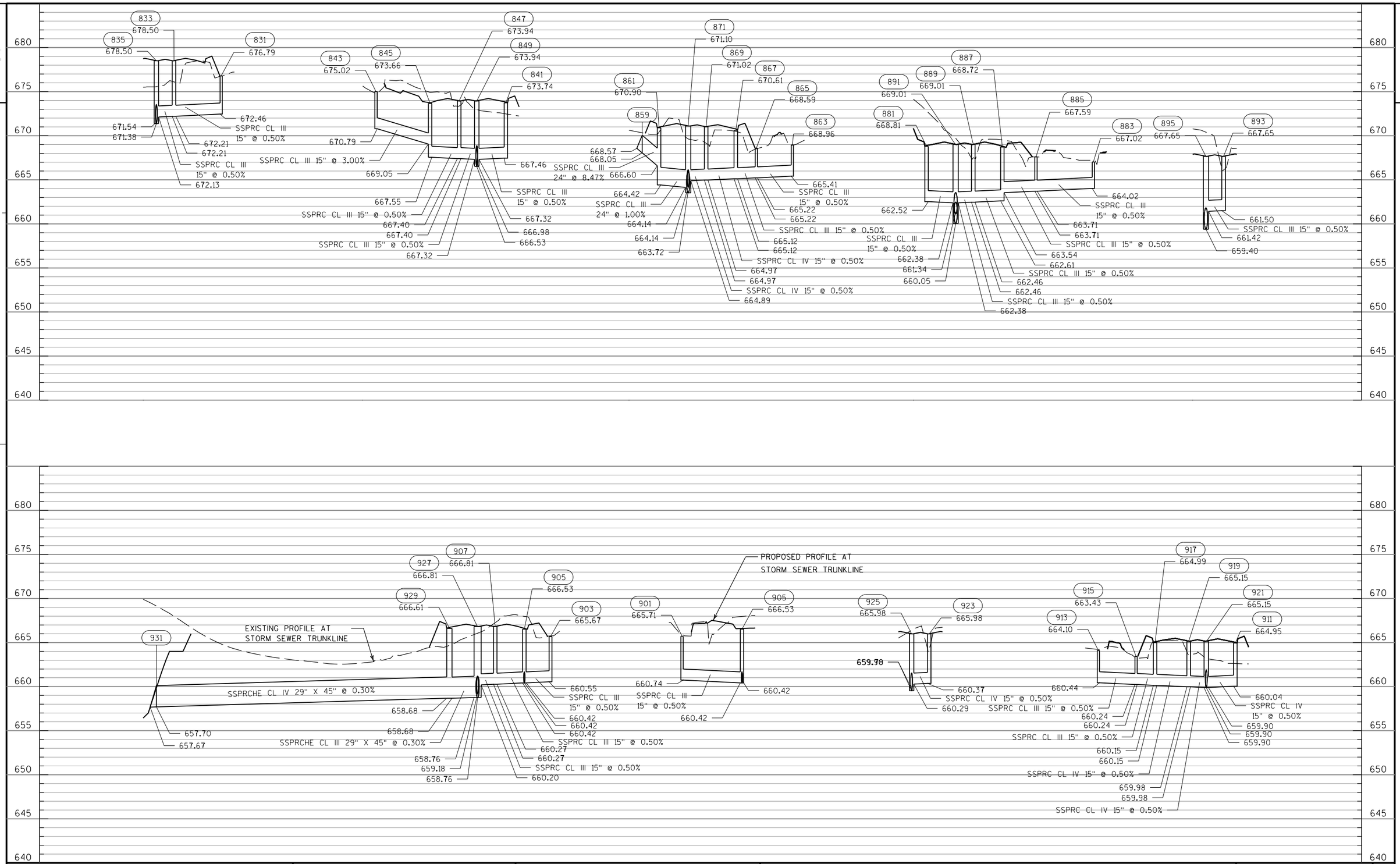


PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	STORM SEWER PLAN AND PROFILE: CTH KR	SHEET E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\022507_SS.dgn PLOT DATE : 8/28/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:100

PRE_86

WISDOT/CADDS SHEET 41

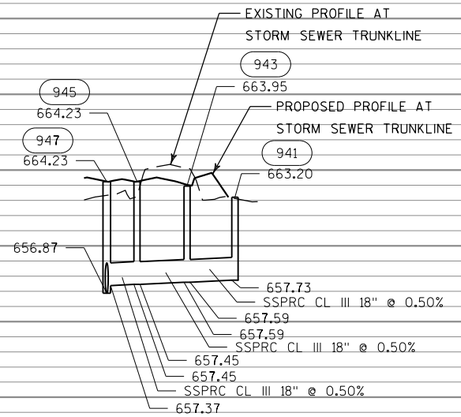


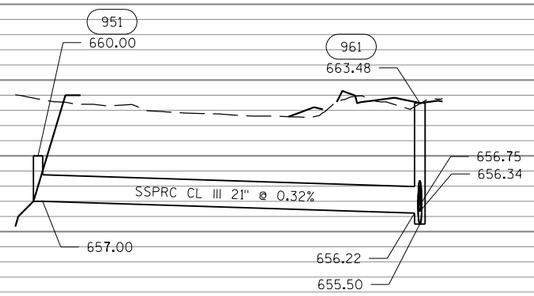
PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	STORM SEWER PLAN AND PROFILE: CTH KR	SHEET E

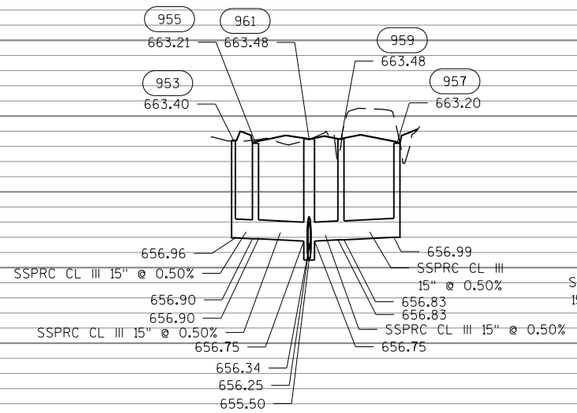
PRE_87

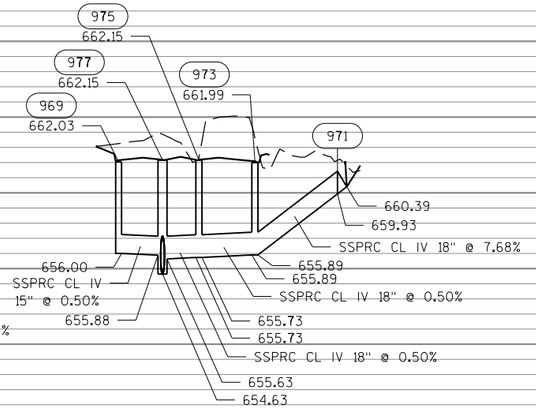
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WISDOT/CADDS SHEET 41



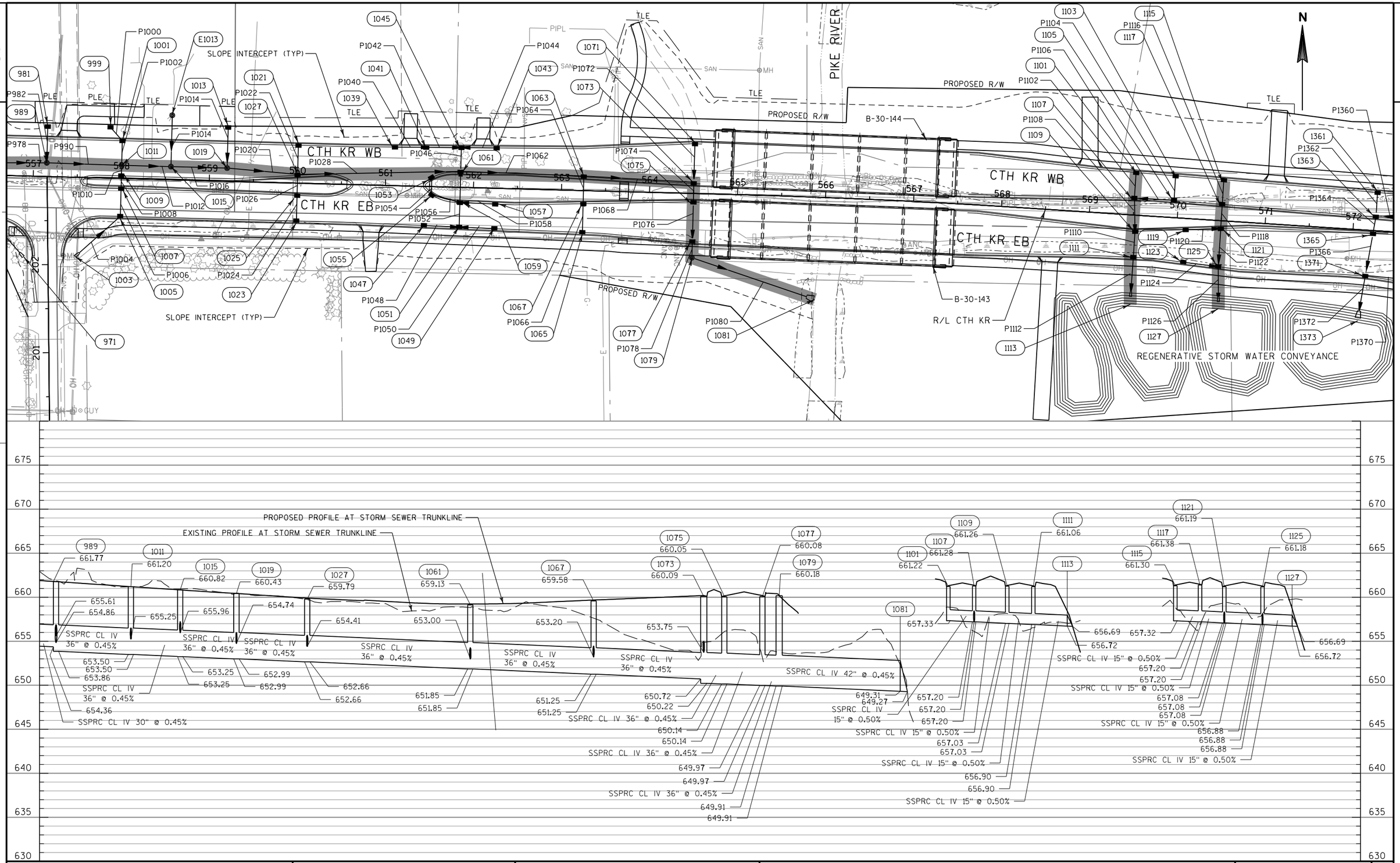






PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	STORM SEWER PLAN AND PROFILE: CTH KR	SHEET E

PRE_88

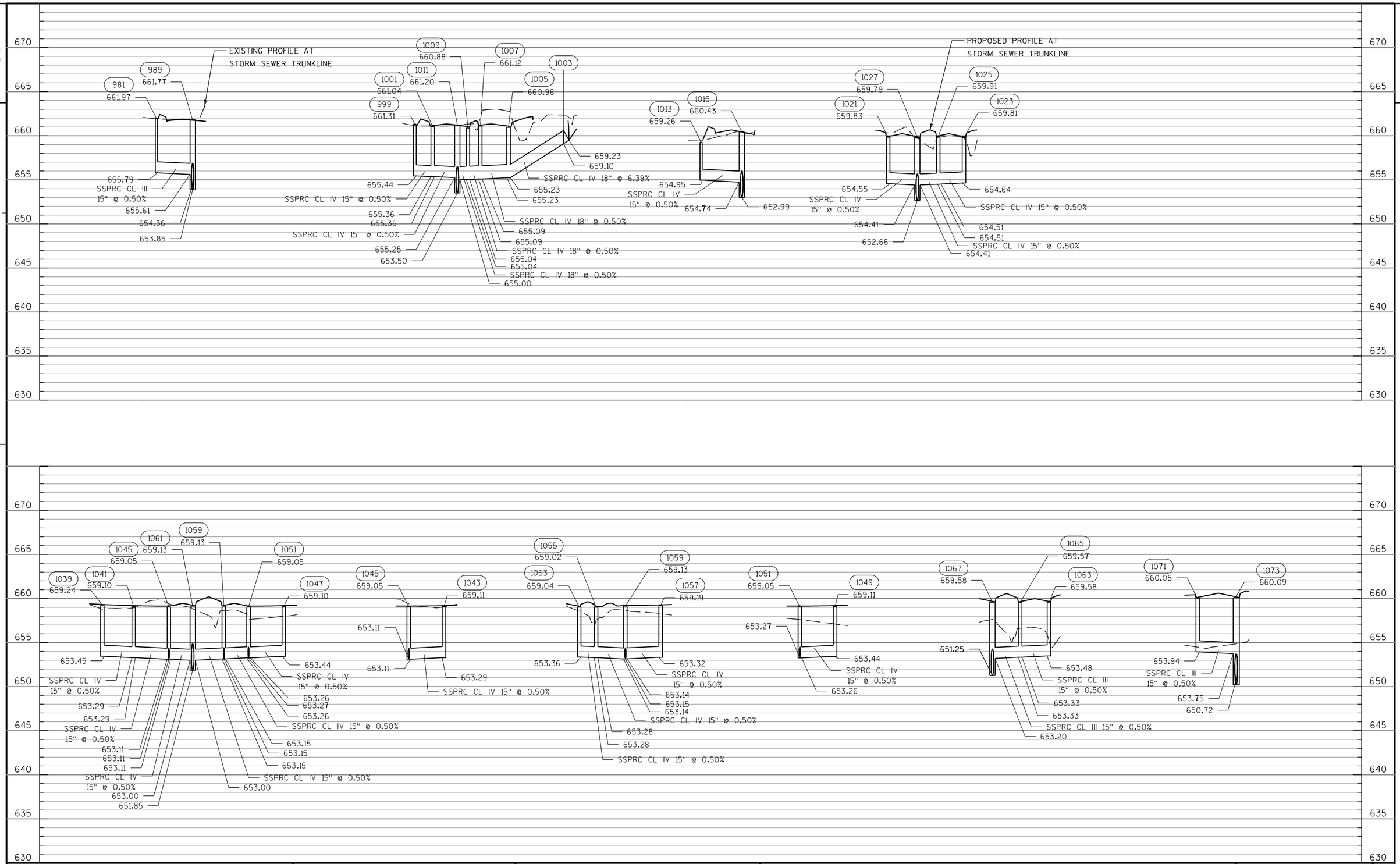


PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	STORM SEWER PLAN AND PROFILE: CTH KR	SHEET E

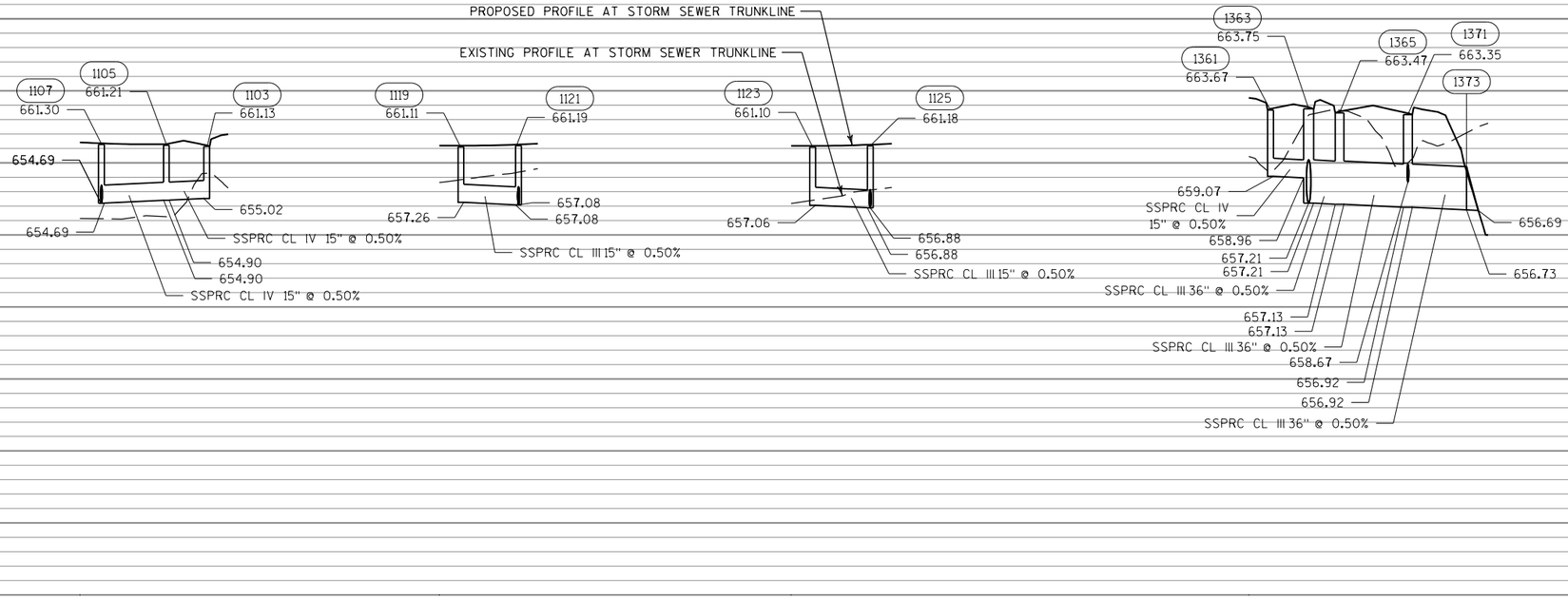
FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\022508_SS.dgn PLOT DATE : 8/28/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:100

PRE_89

WISDOT/CADDS SHEET 41



PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	STORM SEWER PLAN AND PROFILE: CTH KR	SHEET E



PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	STORM SEWER PLAN AND PROFILE: CTH KR	SHEET E

PRE_91

NOTE:

1) SEE STORM SEWER PLAN ALONG STH 31 FOR ADDITIONAL STORM SEWER.

N

STH 31 SB

STH 31 NB

CTH KR EB

CTH KR WB

PROPOSED R/W

SLOPE INTERCEPT (TYP)

R/L CTH KR

2- 30" CPRC

2- 36" CPRC
IE OUT = 660.50

NERATIVE
M WATER
EYANCE

PROPOSED PROFILE AT STORM SEWER TRUNKLINE

EXISTING PROFILE AT STORM SEWER TRUNKLINE

1363 663.75

1359 666.87

1343 669.25

1307 670.62

1297 672.58

1287 676.43

1277 685.42

1267 693.42

658.96

660.22

662.16

664.51

666.47

669.99

678.98

683.33

686.78

657.21

658.16

660.41

663.01

665.11

667.94

676.08

683.33

657.21

658.16

660.91

663.01

665.11

668.74

677.49

683.33

SSPRC CL III 36" @ 0.56%

SSPRC CL III 36" @ 1.15%

SSPRC CL III 30" @ 1.45%

SSPRC CL III 30" @ 1.45%

SSPRC CL III 30" @ 1.45%

SSPRC CL III 30" @ 3.00%

SSPRC CL III 30" @ 3.00%

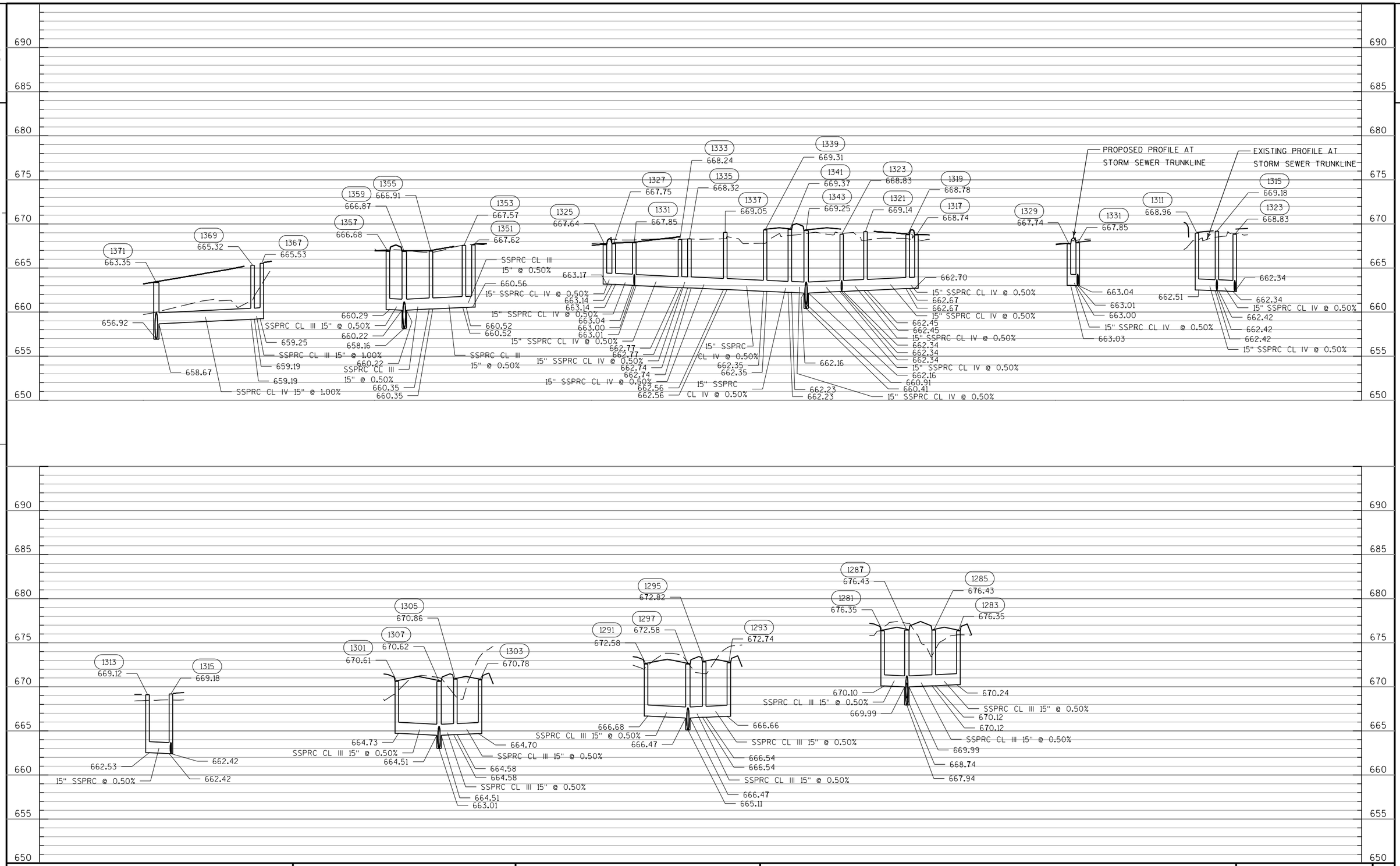
SSPRC CL III 30" @ 1.00%

PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACIUE	STORM SEWER PLAN AND PROFILE: CTH KR	SHEET E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\022509_SS.dgn PLOT DATE : 8/28/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:100

PRE_92

WISDOT/CADDS SHEET 41

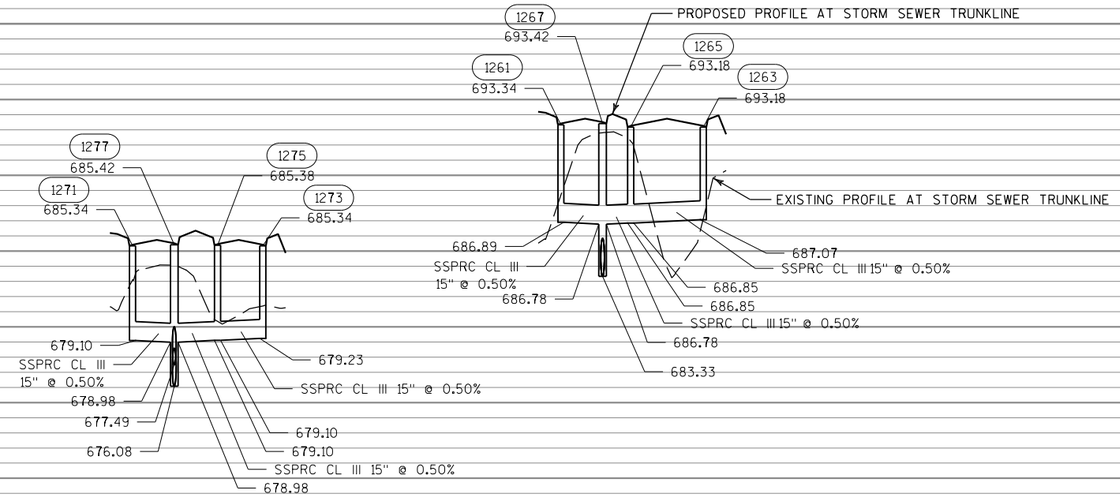


PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	STORM SEWER PLAN AND PROFILE: CTH KR	SHEET E

PRE_93

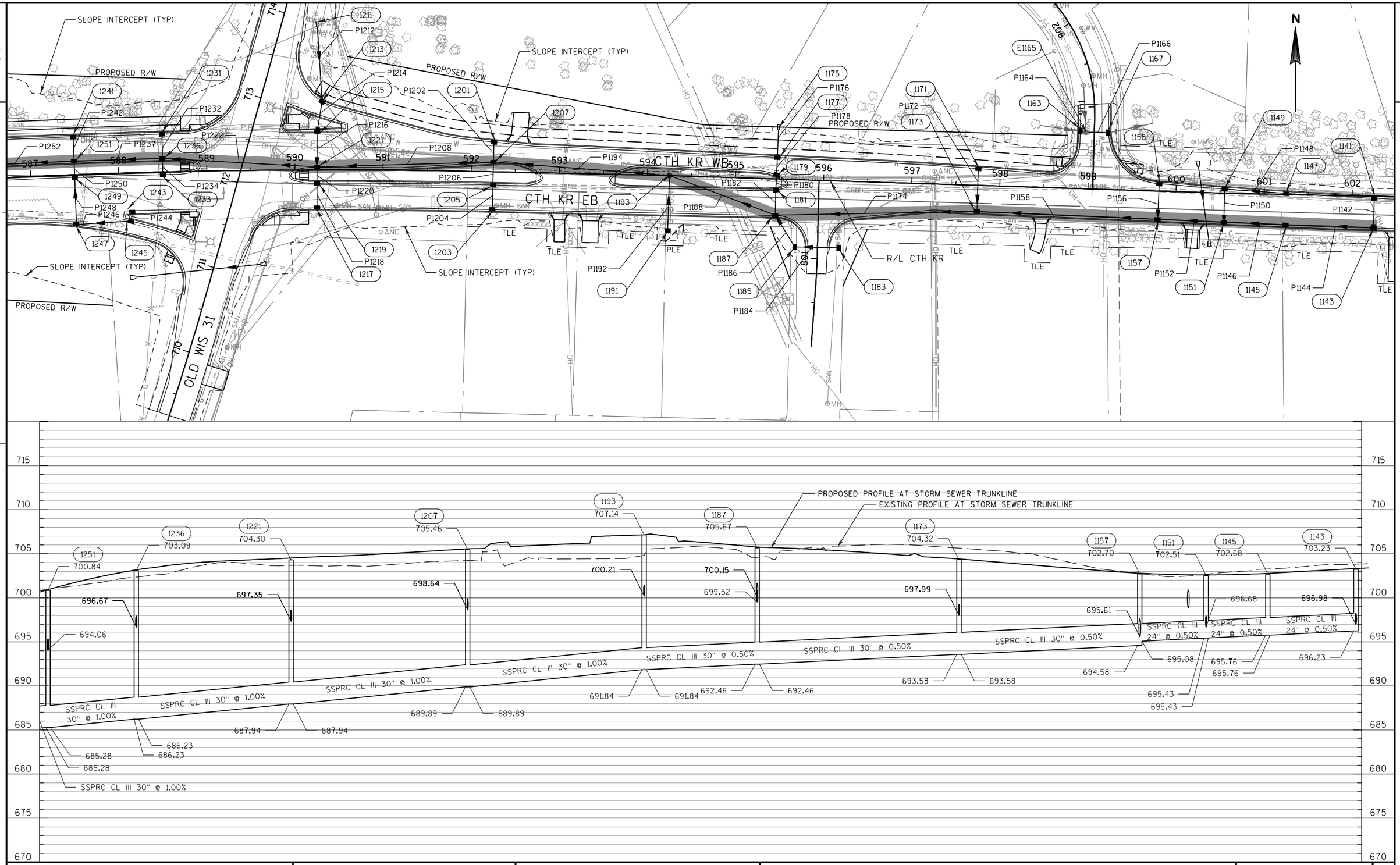
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WISDOT/CADDS SHEET 41



PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	STORM SEWER PLAN AND PROFILE: CTH KR	SHEET E

PRE_94

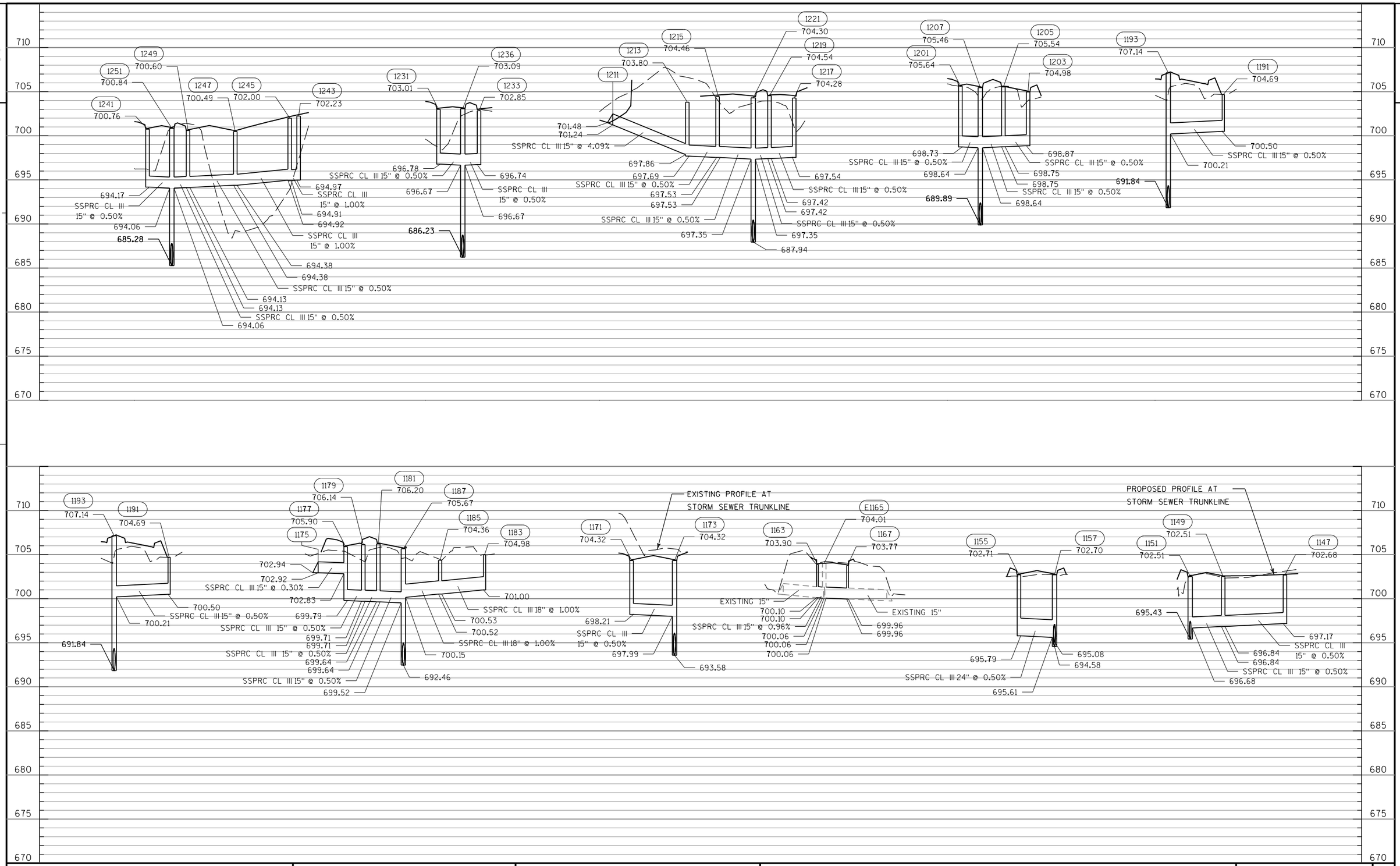


PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	STORM SEWER PLAN AND PROFILE: CTH KR	SHEET E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\022510_SS.dgn PLOT DATE : 8/28/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:100

PRE_95

WISDOT/CADDS SHEET 41

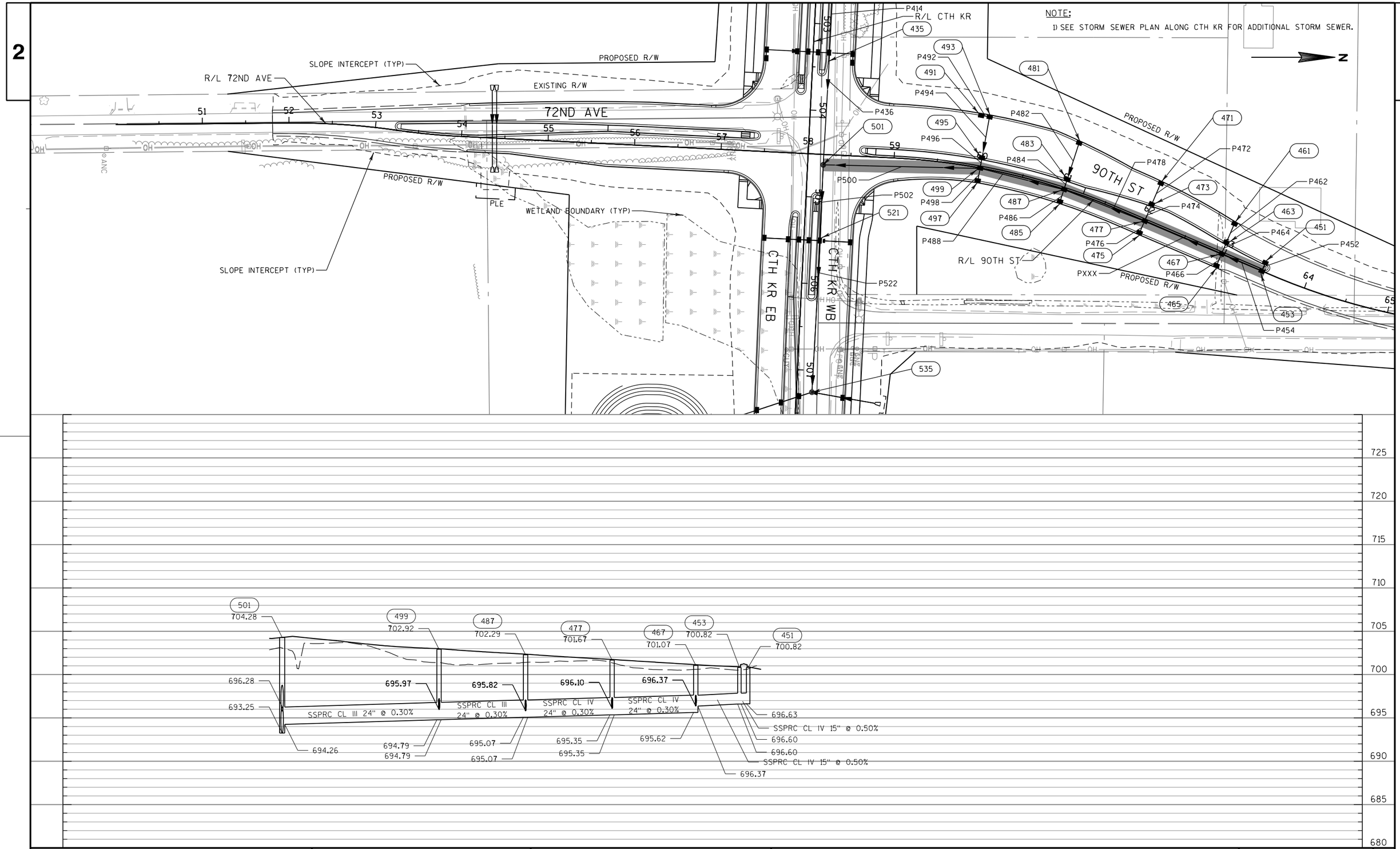


PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	STORM SEWER PLAN AND PROFILE: CTH KR	SHEET E

PRE_96

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\022510A_SS.dgn PLOT DATE : 8/28/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:100

NOTE:
1) SEE STORM SEWER PLAN ALONG CTH KR FOR ADDITIONAL STORM SEWER.



PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	STORM SEWER PLAN AND PROFILE: 72ND AVE/90TH ST	SHEET E

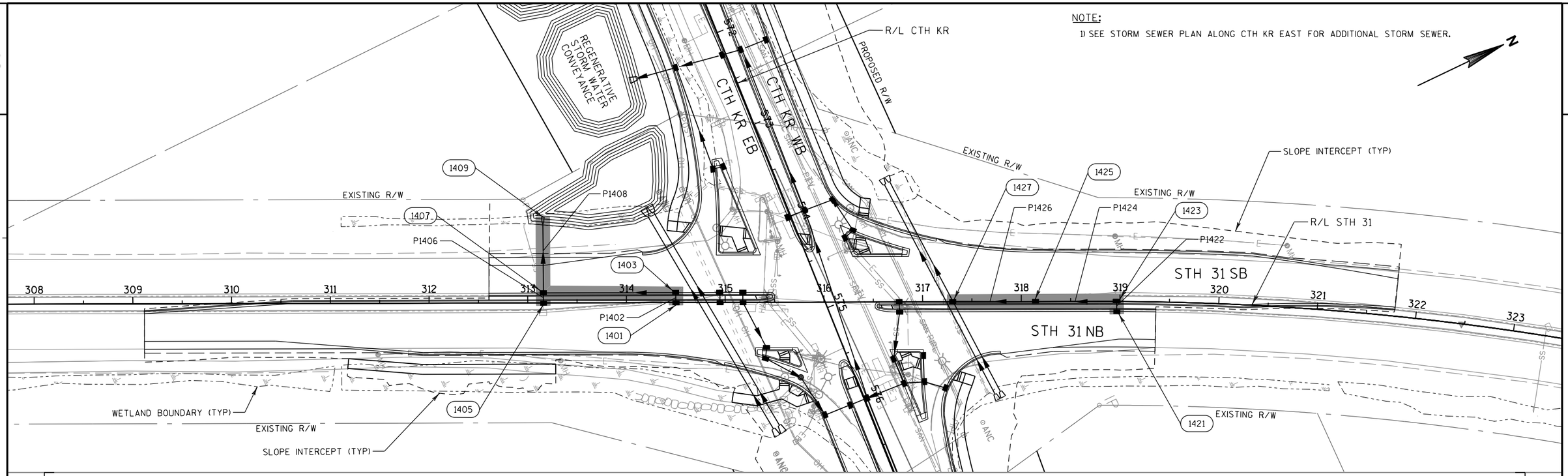
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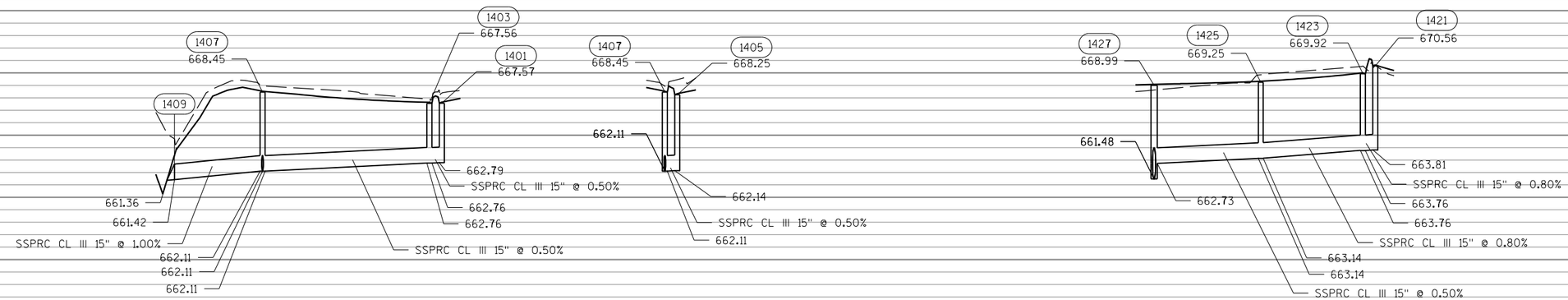
PRE_97

WISDOT/CADDS SHEET 41

NOTE:

1) SEE STORM SEWER PLAN ALONG CTH KR EAST FOR ADDITIONAL STORM SEWER.





PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	STORM SEWER PLAN AND PROFILE: STH 31	SHEET E

2

CURVE 1
PC=1+40.00
X=605430.34
Y=165100.83
PI=1+86.80
X=605383.54
Y=165101.44
PT=2+13.51
X=605384.15
Y=165148.24
R=46.8000
DELTA=90°00'00" RT
D=122°25'37"
L=73.5133
T=46.8000
BK=N 89°15'24" W
AH=N 0°44'36" E

CURVE 2
PC=2+43.51
X=605384.54
Y=165178.23
PI=2+90.31
X=605385.14
Y=165225.03
PT=3+17.03
X=605431.94
Y=165224.42
R=46.8000
DELTA=90°00'00" RT
D=122°25'37"
L=73.5133
T=46.8000
BK=N 0°44'36" E
AH=S 89°15'24" E

CURVE 3
PC=4+57.03
X=605571.93
Y=165222.61
PI=5+03.83
X=605618.72
Y=165222.00
PT=5+30.54
X=605618.12
Y=165175.20
R=46.8000
DELTA=90°00'00" RT
D=122°25'37"
L=73.5133
T=46.8000
BK=S 89°15'24" E
AH=S 0°44'36" W

CURVE 4
PC=5+60.54
X=605617.73
Y=165145.21
PI=6+07.34
X=605617.12
Y=165098.41
PT=6+34.05
X=605570.32
Y=165099.02
R=46.8000
DELTA=90°00'00" RT
D=122°25'37"
L=73.5133
T=46.8000
BK=S 0°44'36" W
AH=N 89°15'24" W

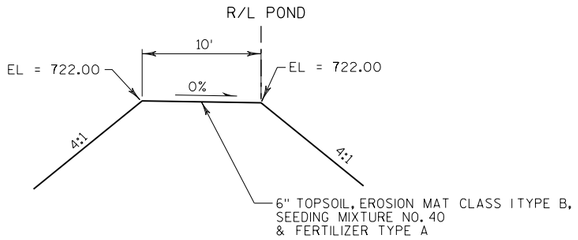
N

SLOPE INTERCEPT (TYP)
PLE
CURVE 2
CURVE 3
DETENTION POND L
VILLAGE OF MOUNT PLEASANT
SHARED USE PATH (TYP)
CURVE 1
CURVE 4
R/L CTH KR
SCHMIDT
PROPOSED R/W
CTH KR WB
CTH KR EB
EXISTING R/W
SHARED USE PATH (TYP)
PLE
SLOPE INTERCEPT (TYP)
TLE
GITZLAFF PROPERTIES LLC

PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	STORM SEWER POND OVERVIEW	SHEET E

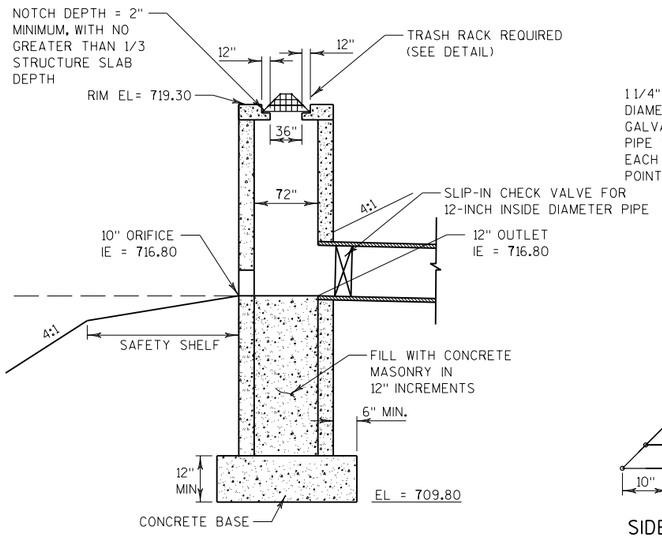
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PRE_99



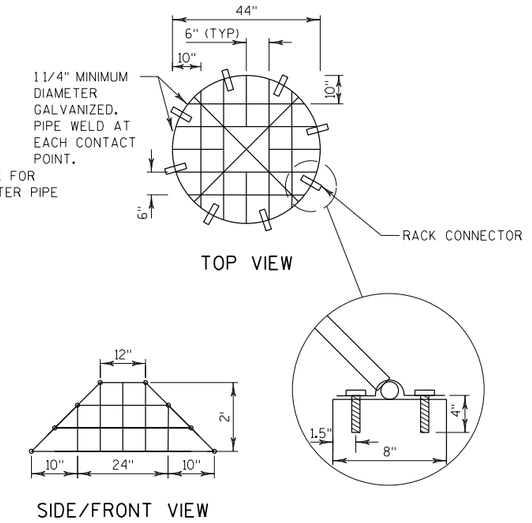
TYPICAL SECTION POND ACCESS ROAD

STA 0+00.00 TO STA 6+34.05



POND L OUTLET STORM SEWER STRUCTURE DETAIL

STRUCTURE 161
MANHOLE 6-FT
NTS



TRASH RACK

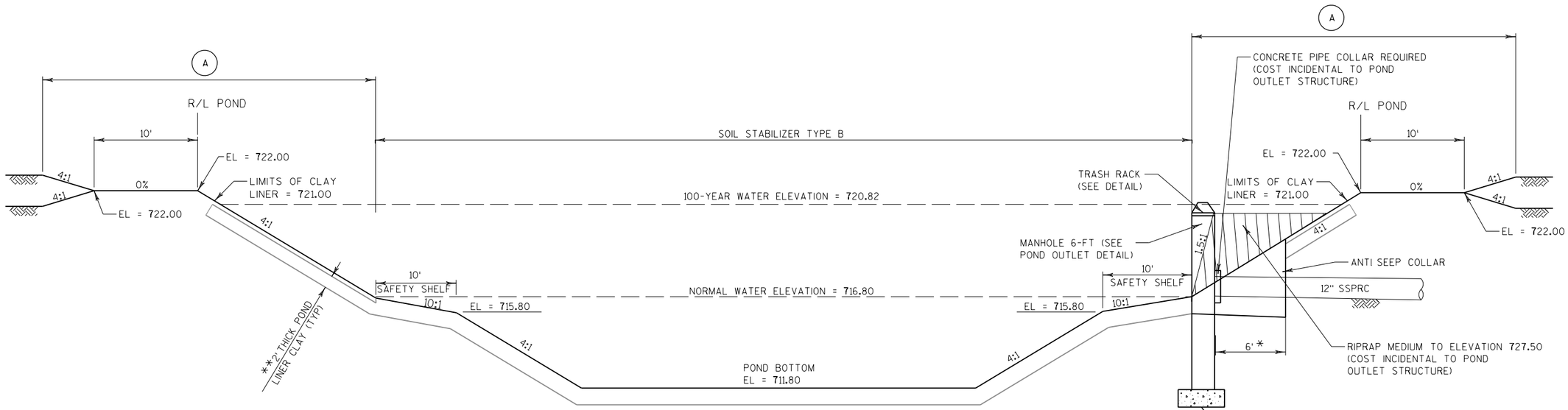
NTS

NOTES

1. REFER TO STANDARD DETAIL DRAWING FOR MANHOLE 6-FT FOR ADDITIONAL INFORMATION.
2. OUTLET STRUCTURE WILL BE PAID FOR AS POND L OUTLET STORM SEWER STRUCTURE.
3. TRASH RACKS WILL BE GALVANIZED OR SIMILARLY PROTECTED FROM CORROSION AND APPROVED BY THE ENGINEER.
4. CONNECTOR DEVICE WILL BE REMOVABLE AND APPROVED BY THE ENGINEER.
5. ANTI-SEEP COLLAR OF CLAY OR BENTONITE REQUIRED AROUND POND OUTLET DISCHARGE PIPE TO PREVENT BACKFLOW OF WATER THROUGH THE SEWER TRENCH. ANTI-SEEP COLLARS MUST EXTEND FROM 1-FOOT ABOVE THE TOP OF PIPE TO THE BOTTOM OF EXCAVATED TRENCH AND BE CONNECTED WITH THE POND LINER PER DETAIL. ANTI-SEEP COLLAR IS INCIDENTAL TO PIPE AND INSTALLATION.
6. RIPRAP PLACED ON TOP OF CLAY LINER NOT TO BE DUG IN.

* ANTI-SEEP COLLAR TO BE MINIMUM 1-FOOT FROM OUTLET PIPE JOINT. ANTI-SEEP COLLAR MAY COVER JOINT, SO LONG AS END OF COLLAR IS A MINIMUM 1-FOOT PAST JOINT. ANTI-SEEP COLLAR TO BE CONNECTED TO POND LINER.

** COORDINATE WITH THE ENGINEER FOR THE LOCATION AND DEPTH OF CLAY LINER REQUIREMENT, IF SAND OR OTHER PERMEABLE SEAMS OR LAYERS ARE ENCOUNTERED DURING POND EXCAVATION, OR IF IN A FILL SECTION.

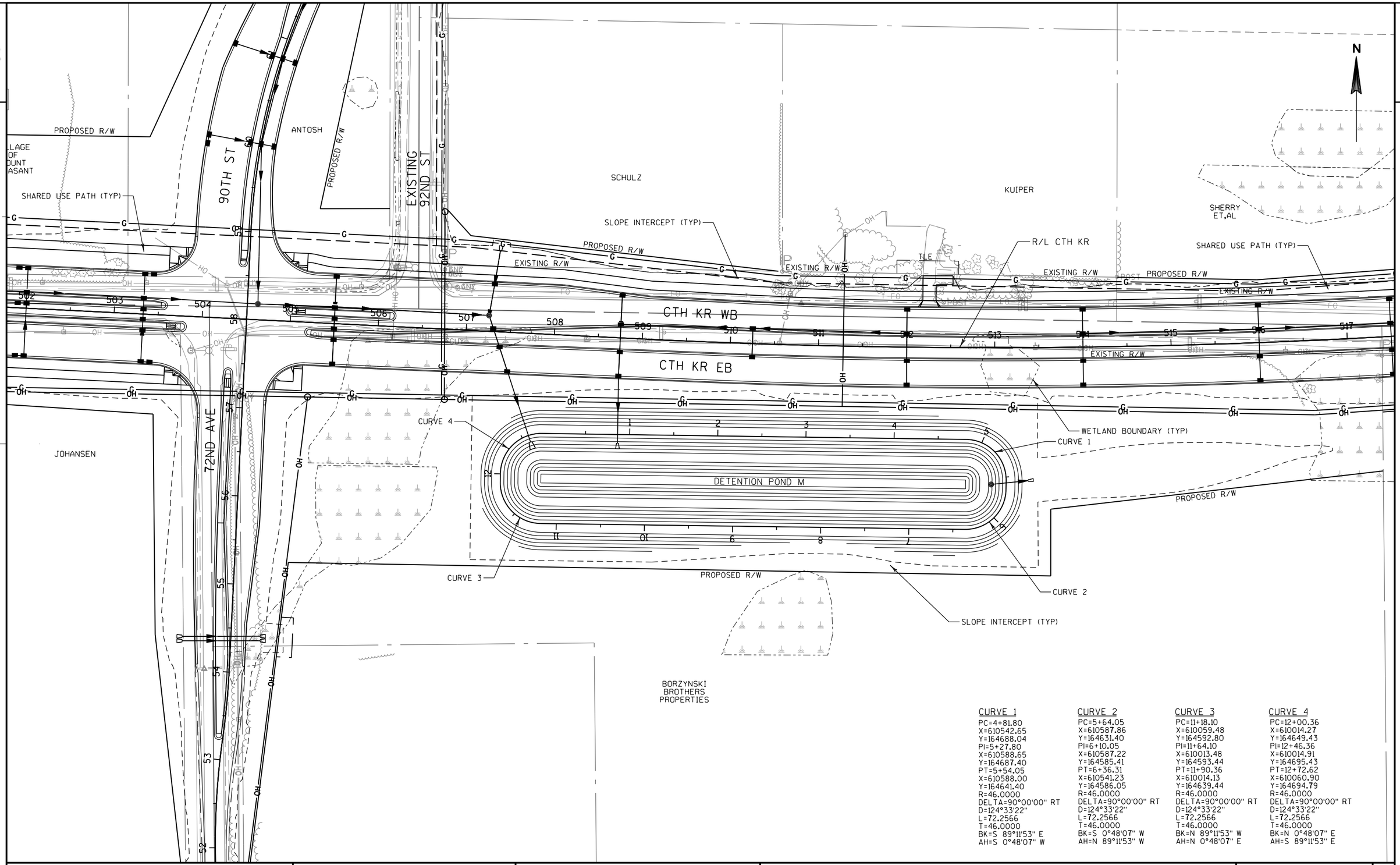


POND L

NTS

PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	STORM SEWER POND L DETAILS	SHEET E

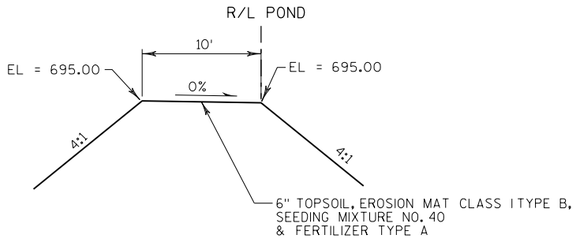
2



CURVE 1	CURVE 2	CURVE 3	CURVE 4
PC=4+81.80	PC=5+64.05	PC=11+18.10	PC=12+00.36
X=610542.65	X=610587.86	X=610059.48	X=610014.27
Y=164688.04	Y=164631.40	Y=164592.80	Y=164649.43
PI=5+27.80	PI=6+10.05	PI=11+64.10	PI=12+46.36
X=610588.65	X=610587.22	X=610013.48	X=610014.91
Y=164687.40	Y=164585.41	Y=164593.44	Y=164695.43
PT=5+54.05	PT=6+36.31	PT=11+90.36	PT=12+72.62
X=610588.00	X=610541.23	X=610014.13	X=610060.90
Y=164641.40	Y=164586.05	Y=164639.44	Y=164694.79
R=46.0000	R=46.0000	R=46.0000	R=46.0000
DELTA=90°00'00" RT	DELTA=90°00'00" RT	DELTA=90°00'00" RT	DELTA=90°00'00" RT
D=124°33'22"	D=124°33'22"	D=124°33'22"	D=124°33'22"
L=72.2566	L=72.2566	L=72.2566	L=72.2566
T=46.0000	T=46.0000	T=46.0000	T=46.0000
BK=S 89°11'53" E	BK=S 0°48'07" W	BK=N 89°11'53" W	BK=N 0°48'07" E
AH=S 0°48'07" W	AH=N 89°11'53" W	AH=N 0°48'07" E	AH=S 89°11'53" E

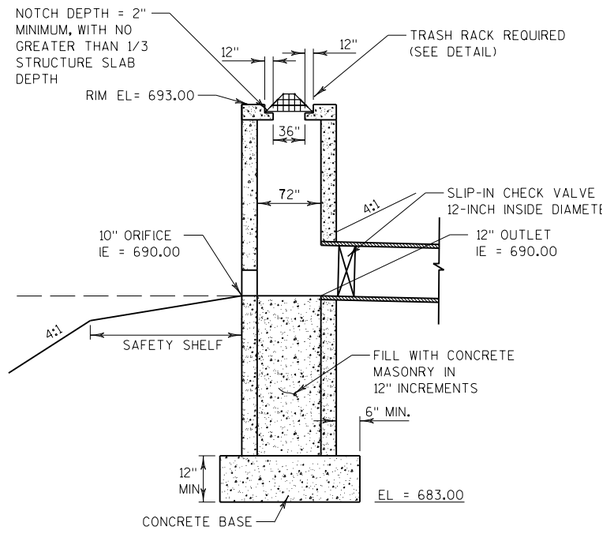
PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	STORM SEWER POND OVERVIEW	SHEET E

PRE_101



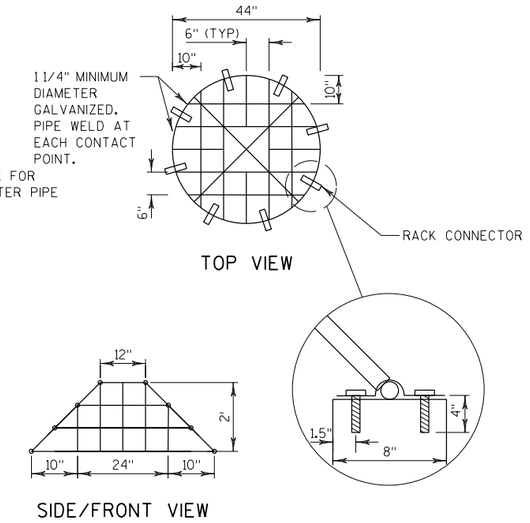
TYPICAL SECTION POND ACCESS ROAD

STA 0+00.00 TO STA 12+72.62



POND M OUTLET STORM SEWER STRUCTURE DETAIL

STRUCTURE 575
MANHOLE 6-FT
NTS



TRASH RACK

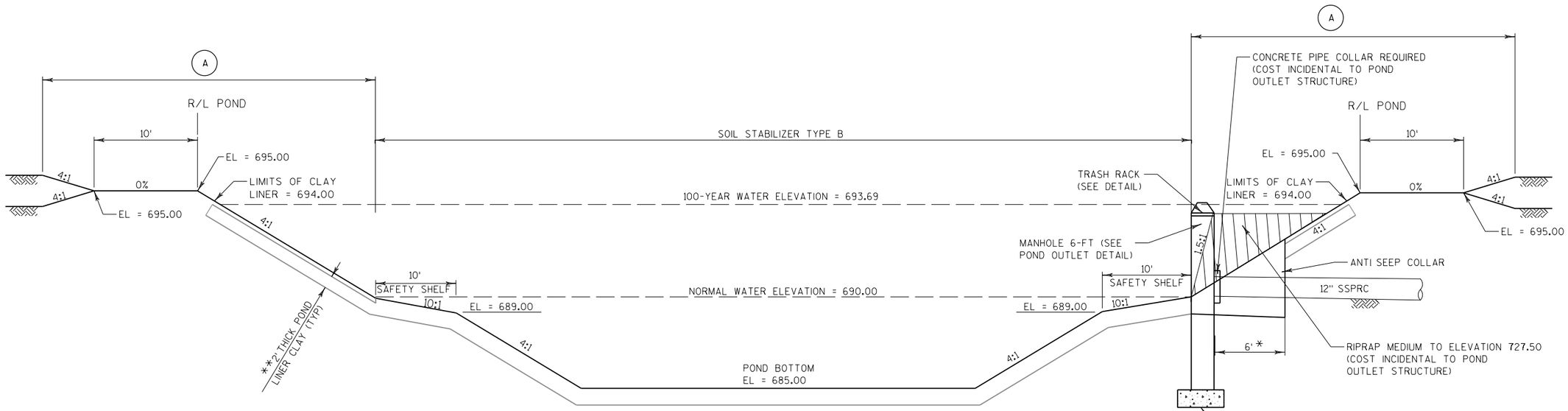
NTS

NOTES

1. REFER TO STANDARD DETAIL DRAWING FOR MANHOLE 6-FT FOR ADDITIONAL INFORMATION.
2. OUTLET STRUCTURE WILL BE PAID FOR AS POND M OUTLET STORM SEWER STRUCTURE.
3. TRASH RACKS WILL BE GALVANIZED OR SIMILARLY PROTECTED FROM CORROSION AND APPROVED BY THE ENGINEER.
4. CONNECTOR DEVICE WILL BE REMOVABLE AND APPROVED BY THE ENGINEER.
5. ANTI-SEEP COLLAR OF CLAY OR BENTONITE REQUIRED AROUND POND OUTLET DISCHARGE PIPE TO PREVENT BACKFLOW OF WATER THROUGH THE SEWER TRENCH. ANTI-SEEP COLLARS MUST EXTEND FROM 1-FOOT ABOVE THE TOP OF PIPE TO THE BOTTOM OF EXCAVATED TRENCH AND BE CONNECTED WITH THE POND MINER PER DETAIL. ANTI-SEEP COLLAR IS INCIDENTAL TO PIPE AND INSTALLATION.
6. RIPRAP PLACED ON TOP OF CLAY LINER NOT TO BE DUG IN.

* ANTI-SEEP COLLAR TO BE MINIMUM 1-FOOT FROM OUTLET PIPE JOINT. ANTI-SEEP COLLAR MAY COVER JOINT, SO LONG AS END OF COLLAR IS A MINIMUM 1-FOOT PAST JOINT. ANTI-SEEP COLLAR TO BE CONNECTED TO POND MINER.

** COORDINATE WITH THE ENGINEER FOR THE LOCATION AND DEPTH OF CLAY LINER REQUIREMENT, IF SAND OR OTHER PERMEABLE SEAMS OR LAYERS ARE ENCOUNTERED DURING POND EXCAVATION, OR IF IN A FILL SECTION.



POND M

NTS

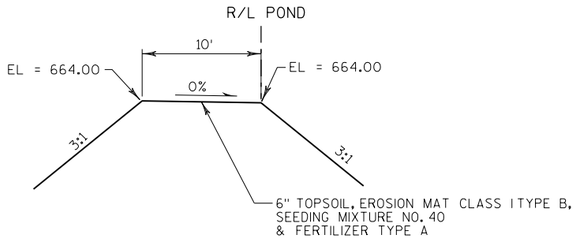
PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	STORM SEWER POND M DETAILS	SHEET E

PRE_102

CURVE 1	CURVE 2	CURVE 3	CURVE 4	CURVE 5	CURVE 6	CURVE 7	CURVE 8	CURVE 9
PC=0+16.35	PC=2+42.52	PC=3+42.57	PC=4+04.32	PC=5+01.31	PC=6+00.66	PC=6+74.89	PC=11+85.93	PC=14+46.66
X=614554.10	X=614451.01	X=614353.19	X=614302.22	X=614222.78	X=614124.85	X=614082.29	X=614566.72	X=614613.44
Y=164974.81	Y=165155.73	Y=165150.36	Y=165115.96	Y=165148.00	Y=165154.49	Y=165204.97	Y=165255.55	Y=165018.87
PI=0+58.38	PI=2+50.30	PI=3+46.14	PI=4+43.48	PI=5+07.53	PI=6+40.99	PI=7+18.85	PI=12+27.55	PI=14+90.74
X=614512.08	X=614446.12	X=614349.65	X=614270.39	X=614218.70	X=614084.53	X=614080.31	X=614608.33	X=614614.53
Y=164974.81	Y=165161.78	Y=165149.92	Y=165093.17	Y=165152.71	Y=165155.26	Y=165248.89	Y=165255.03	Y=164974.81
PT=0+82.91	PT=2+56.72	PT=3+49.56	PT=4+67.84	PT=5+13.02	PT=6+65.45	PT=7+43.38	PT=12+52.07	PT=15+15.27
X=614511.11	X=614438.40	X=614346.75	X=614244.72	X=614212.48	X=614082.71	X=614124.26	X=614609.17	X=614570.46
Y=165016.82	Y=165160.83	Y=165147.85	Y=165122.74	Y=165152.82	Y=165195.55	Y=165249.89	Y=165213.42	Y=164974.81
R=43.0000	R=14.0000	R=14.0000	R=43.0000	R=14.0000	R=43.0000	R=43.0000	R=43.0000	R=43.0000
DELTA=88°41'04" RT	DELTA=58°06'59" LT	DELTA=28°35'40" LT	DELTA=84°38'22" RT	DELTA=47°56'47" LT	DELTA=86°19'41" RT	DELTA=91°16'02" RT	DELTA=88°07'41" RT	DELTA=91°24'52" RT
D=133°14'46"	D=409°15'20"	D=409°15'20"	D=133°14'46"	D=409°15'20"	D=133°14'46"	D=133°14'46"	D=133°14'46"	D=133°14'46"
L=66.5570	L=14.2005	L=6.9869	L=63.5212	L=11.7155	L=64.7886	L=68.4954	L=66.1394	L=68.6057
T=42.0239	T=7.7789	T=3.5678	T=39.1540	T=6.2253	T=40.3290	T=43.9618	T=41.6176	T=44.0748
BK=N 90°00'00" W	BK=N 38°53'34" W	BK=S 82°59'27" W	BK=S 54°23'48" W	BK=N 40°57'50" W	BK=N 88°54'37" W	BK=N 2°34'56" W	BK=S 89°16'44" E	BK=S 1°24'52" E
AH=N 1°18'56" W	AH=S 82°59'27" W	AH=S 54°23'48" W	AH=N 40°57'50" W	AH=N 88°54'37" W	AH=N 2°34'56" W	AH=N 88°41'07" E	AH=S 1°09'03" E	AH=N 90°00'00" W

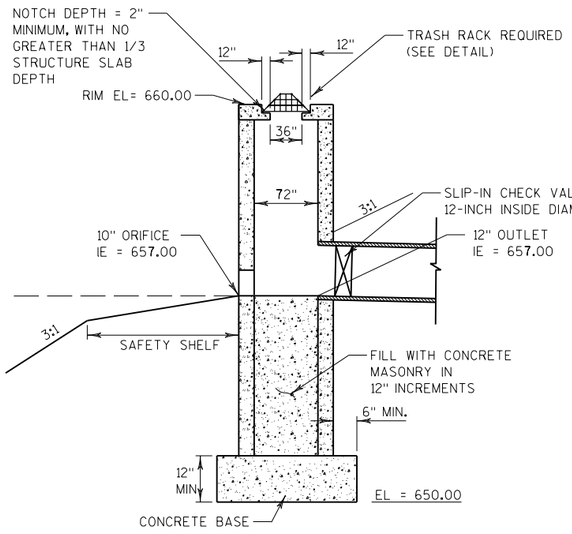
PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	STORM SEWER POND OVERVIEW	SHEET E

PRE_103



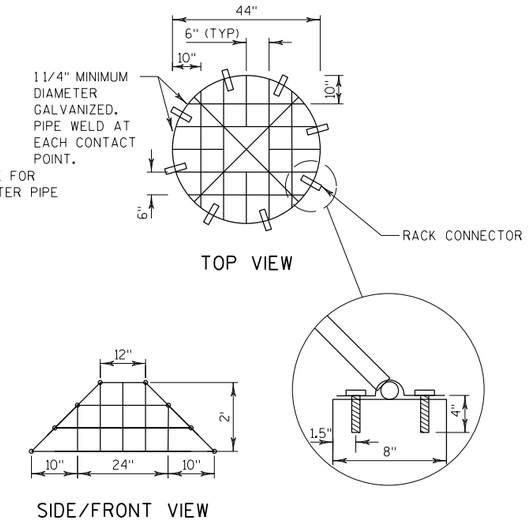
TYPICAL SECTION POND ACCESS ROAD

STA 0+00.00 TO STA 15+15.27



POND N OUTLET STORM SEWER STRUCTURE DETAIL

STRUCTURE 951
MANHOLE 6-FT
NTS



TRASH RACK

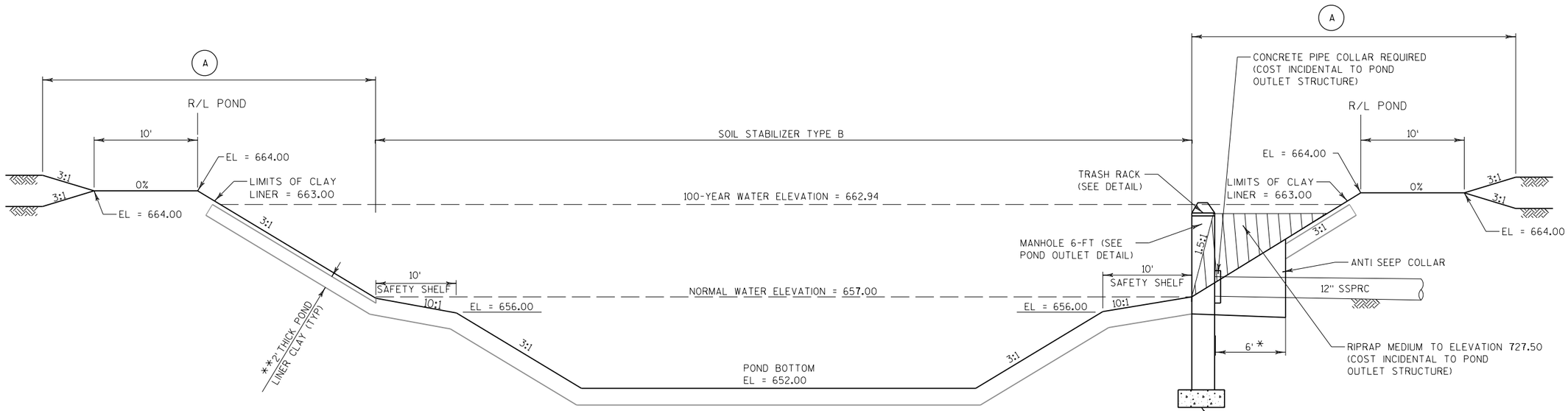
NTS

NOTES

1. REFER TO STANDARD DETAIL DRAWING FOR MANHOLE 6-FT FOR ADDITIONAL INFORMATION.
2. OUTLET STRUCTURE WILL BE PAID FOR AS POND N OUTLET STORM SEWER STRUCTURE.
3. TRASH RACKS WILL BE GALVANIZED OR SIMILARLY PROTECTED FROM CORROSION AND APPROVED BY THE ENGINEER.
4. CONNECTOR DEVICE WILL BE REMOVABLE AND APPROVED BY THE ENGINEER.
5. ANTI-SEEP COLLAR OF CLAY OR BENTONITE REQUIRED AROUND POND OUTLET DISCHARGE PIPE TO PREVENT BACKFLOW OF WATER THROUGH THE SEWER TRENCH. ANTI-SEEP COLLARS MUST EXTEND FROM 1-FOOT ABOVE THE TOP OF PIPE TO THE BOTTOM OF EXCAVATED TRENCH AND BE CONNECTED WITH THE POND NINER PER DETAIL. ANTI-SEEP COLLAR IS INCIDENTAL TO PIPE AND INSTALLATION.
6. RIPRAP PLACED ON TOP OF CLAY LINER NOT TO BE DUG IN.

* ANTI-SEEP COLLAR TO BE MINIMUM 1-FOOT FROM OUTLET PIPE JOINT. ANTI-SEEP COLLAR MAY COVER JOINT, SO LONG AS END OF COLLAR IS A MINIMUM 1-FOOT PAST JOINT. ANTI-SEEP COLLAR TO BE CONNECTED TO POND NINER.

** COORDINATE WITH THE ENGINEER FOR THE LOCATION AND DEPTH OF CLAY LINER REQUIREMENT, IF SAND OR OTHER PERMEABLE SEAMS OR LAYERS ARE ENCOUNTERED DURING POND EXCAVATION, OR IF IN A FILL SECTION.



POND N

NTS

PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	STORM SEWER POND N DETAILS	SHEET E

3

CULVERT ITEMS

FROM STATION	FROM OFFSET	TO STATION	TO OFFSET	INLET ELEV	DISCH ELEV	SLOPE	522.0130 CULVERT PIPE REINFORCED CONCRETE CLASS III 30-INCH LF	522.0424 CULVERT PIPE REINFORCED CONCRETE CLASS IV 24-INCH LF	522.0430 CULVERT PIPE REINFORCED CONCRETE CLASS IV 30-INCH LF	522.0436 CULVERT PIPE REINFORCED CONCRETE CLASS IV 36-INCH LF	522.0524 CULVERT PIPE REINFORCED CONCRETE CLASS V 24-INCH LF	522.0530 CULVERT PIPE REINFORCED CONCRETE CLASS V 30-INCH LF	522.1024* APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 24-INCH EACH	522.1030* APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 30-INCH EACH	522.1036* APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 36-INCH EACH	522.2419 CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-IV 19x30-INCH LF	522.2619 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL 19x30-INCH EACH	611.9800.S* PIPE GRATES EACH	633.5200* MARKERS CULVERT END EACH
CTH KR																			
472+05	162.2' LT	570+64	180.1' RT	715.79	710.88	1.43%	--	--	--	--	344	--	2	--	--	--	--	1	2
528+77	173.6' LT	528+87	84.5' RT	679.78	679.40	0.15%	--	--	--	--	--	258	--	2	--	--	--	1	2
528+83	173.8' LT	528+93	84.3' RT	679.78	679.40	0.15%	--	--	--	--	--	258	--	2	--	--	--	1	2
600+23	35.5' LT	600+40	60.8' RT	699.00	698.83	0.17%	--	98	--	--	--	--	2	--	--	--	--	1	2
72ND AVENUE																			
54+32	60.9' LT	54+38	39.6' RT	697.25	697.07	0.18%	--	--	--	--	--	--	--	--	--	101	2	1	2
54+38	61.2' LT	54+43	39.3' RT	697.25	697.07	0.18%	--	--	--	--	--	--	--	--	--	101	2	1	2
STH 31																			
314+18	94.7' LT	315+53	135.1' RT	662.50	660.50	0.75%	--	--	--	267	--	--	--	--	2	--	--	1	2
314+24	98.3' LT	315+59	131.5' RT	662.50	660.50	0.75%	--	--	--	267	--	--	--	--	2	--	--	1	2
316+59	124.4' LT	317+76	99.1' RT	662.00	660.50	0.60%	--	--	252	--	--	--	--	2	--	--	--	1	2
316+64	127.2' LT	317+81	96.2' RT	662.00	660.50	0.60%	--	--	252	--	--	--	--	2	--	--	--	1	2
OLD GREEN BAY ROAD																			
571+69	87.7' LT	570+78	56.0' RT	695.61	693.00	1.68%	155	--	--	--	--	--	--	2	--	--	--	1	2
TOTALS							155	98	504	534	344	516	4	10	4	202	4	11	22

1. PIPE LENGTHS ARE MEASURED TO THE CENTER OF STRUCTURES OR END OF ENDWALLS
2. ENDWALL ELEVATION / STATION / OFFSET ARE TO END CENTER OF ENDWALL

* NOTE: ADDITIONAL QUANTITIES SHOWN ELSEWHERE

APRON ENDWALLS

ROADWAY	PIPE ID	ENDWALL ID	ENDWALL ELEVATION	ENDWALL STATION	ENDWALL OFFSET	522.1015 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 15-INCH EACH	522.1018 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 18-INCH EACH	522.1024* APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 24-INCH EACH	522.1030* APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 30-INCH EACH	522.1036* APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 36-INCH EACH	522.1042 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 42-INCH EACH	522.2624 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL 24x38-INCH EACH	522.2629 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL 29x45-INCH EACH	611.9800.S* PIPE GRATES EACH	633.5200* MARKERS CULVERT END EACH
CTH KR															
	P164	163	719.78	461+04	95.4' LT	--	1	--	--	--	--	--	--	1	1
	P174	175	716.00	461+25	109.8' RT	--	--	--	1	--	--	--	--	--	1
	P266	267	717.80	462+89	144.7' LT	--	--	--	--	--	--	1	--	--	1
	P532	531	697.40	507+35	97.5' LT	--	--	1	--	--	--	--	--	1	1
	P542	543	691.02	507+82	130.6' RT	--	--	--	--	1	--	--	--	--	1
	P572	573	691.00	508+78	125.7' RT	--	--	1	--	--	--	--	--	--	1
	P576	577	689.73	513+43	150.2' RT	--	1	--	--	--	--	--	--	--	1
	P732	733	684.73	518+95	80.8' RT	--	--	--	1	--	--	--	--	--	1
	P722	721	688.95	519+31	72.5' LT	1	--	--	--	--	--	--	--	1	1
	P704	703	689.47	520+40	69.5' LT	--	1	--	--	--	--	--	--	1	1
	P860	859	668.57	545+75	68.3' LT	--	--	1	--	--	--	--	--	1	1
	P930	931	657.67	549+40	381.3' LT	--	--	--	--	--	--	--	1	--	1
	P972	971	660.39	556+91	91.8' RT	--	1	--	--	--	--	--	--	1	1
	P1004	1003	659.23	557+50	89.8' RT	--	1	--	--	--	--	--	--	1	1
	P1080	1081	649.27	565+90	115.7' RT	--	--	--	--	--	1	--	--	--	1
	P1112	1113	656.69	569+53	92.6' RT	1	--	--	--	--	--	--	--	--	1
	P1126	1127	656.69	570+53	92' RT	1	--	--	--	--	--	--	--	--	1
	P1372	1373	656.69	572+12	100' RT	--	--	--	--	1	--	--	--	--	1
	P1176	1175	702.94	595+47	61.7' LT	1	--	--	--	--	--	--	--	1	1
STH 31															
	P1408	1409	661.36	313+16	86.9' LT	1	--	--	--	--	--	--	--	--	1
OLD GREEN BAY ROAD															
	P1212	1211	701.48	714+00	38.1' RT	1	--	--	--	--	--	--	--	1	1
TOTALS						6	5	3	2	2	1	1	1	9	21

NOTE
1) ENDWALL ELEVATION / STATION / OFFSET ARE TO END CENTER OF ENDWALL
*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

STORM SEWER STRUCTURES										STORM SEWER PIPES									
ROADWAY	STRUCTURE NO.	STATION	OFFSET (FT)	LOCATION	RIM OR FLOW ELEV	STRUCTURE TYPE	INLET/MANHOLE COVERS TYPE	DEPTH[1] (FT)	STRUCTURE COMMENTS	PIPE ID	FROM STR	TO STR	INLET ELEV	DISCH ELEV	SLOPE[A] %	PIPE LENGTH[B] (FT)	PLAN LENGTH[C] (FT)	PIPE CLASS	PIPE SIZE (INCH)	PIPE COMMENTS
CTH KR	101	455+75.16	62.2	LT	725.00	INLETS 4-FT DIAMETER	HM	4.94	---	P102	101	107	720.06	719.82	0.50	49	53	IV	15	---
CTH KR	103	455+75.03	58.1	RT	725.05	INLETS 4-FT DIAMETER	HM	4.96	---	P104	103	105	720.09	719.91	0.50	36	40	IV	15	---
CTH KR	105	455+74.97	14.1	RT	724.89	INLETS 4-FT DIAMETER	HM	4.98	---	P106	105	107	719.91	719.82	0.50	19	23	IV	15	---
CTH KR	107	455+75.20	4.7	LT	724.66	MANHOLES 5-FT DIAMETER	HM	5.59	---	P108	107	113	719.07	718.78	0.30	95	100	IV	24	---
CTH KR	109	454+75.03	59.6	RT	724.36	INLETS 4-FT DIAMETER	HM	4.59	---	P110	109	111	719.77	719.59	0.50	36	40	IV	15	---
CTH KR	111	454+74.97	15.6	RT	724.21	INLETS 4-FT DIAMETER	HM	4.62	---	P112	111	113	719.59	719.53	0.50	12	17	IV	15	---
CTH KR	113	454+75.20	3.3	RT	723.82	MANHOLES 5-FT DIAMETER	HM	5.04	---	P114	113	135	718.78	718.50	0.30	93	98	IV	24	---
CTH KR	121	453+43.74	60.0	RT	723.48	INLETS 4-FT DIAMETER	HM	3.75	---	P122	121	123	719.73	719.57	0.50	31	35	IV	15	---
CTH KR	123	453+78.94	60.0	RT	723.66	INLETS 4-FT DIAMETER	HM	4.09	---	P124	123	127	719.57	719.39	0.50	36	40	IV	15	---
CTH KR	125	453+43.74	16.0	RT	723.32	INLETS 4-FT DIAMETER	HM	3.77	---	P126	125	127	719.55	719.39	0.50	31	35	IV	15	---
CTH KR	127	453+78.94	16.0	RT	723.50	INLETS 4-FT DIAMETER	HM	4.11	---	P128	127	131	719.39	719.35	0.50	8	12	IV	15	---
CTH KR	129	453+43.74	8.0	RT	722.84	INLETS 4-FT DIAMETER	HM	3.33	---	P130	129	131	719.51	719.35	0.50	31	35	IV	15	---
CTH KR	131	453+78.94	8.0	RT	723.02	INLETS 4-FT DIAMETER	HM	3.67	---	P132	131	135	719.35	719.25	0.50	20	25	IV	15	---
CTH KR	133	453+43.74	16.0	LT	723.32	INLETS 4-FT DIAMETER	HM	3.92	---	P134	133	135	719.40	719.25	0.50	31	35	IV	15	---
CTH KR	135	453+78.94	16.0	LT	723.50	MANHOLES 5-FT DIAMETER	HM	5.00	---	P136	135	141	718.50	718.37	0.30	42	47	IV	24	---

[1]DEPTH = RIM OR FLOW ELEV - LOWEST PIPE INVERT ELEVATION

[A] SLOPE CALCULATED BASED ON PIPE LENGTH. PIPE LENGTH REPRESENTS LENGTH OF PIPE MEASURED FROM INSIDE FACE OF STRUCTURE TO INSIDE FACE OF STRUCTURE

[B]PIPE LENGTH SHOWN FOR SLOPE CALCULATION ONLY. NOT INTENDED FOR PAY QUANTITY.

[C]PLAN LENGTH SHOWN FOR PAY QUANTITY.

STORM SEWER STRUCTURES										STORM SEWER PIPES										
ROADWAY	STRUCTURE NO.	STATION	OFFSET (FT)	LOCATION	RIM OR FLOW ELEV	STRUCTURE TYPE	INLET/MANHOLE COVERS TYPE	DEPTH[1] (FT)	STRUCTURE COMMENTS	PIPE ID	FROM STR	TO STR	INLET ELEV	DISCH ELEV	SLOPE[A] %	PIPE LENGTH[B] (FT)	PLAN LENGTH[C] (FT)	PIPE CLASS	PIPE SIZE (INCH)	PIPE COMMENTS
CTH KR	137	453+43.74	68.0	LT	723.32	INLETS 4-FT DIAMETER	HM	4.05	---	P138	137	141	719.27	719.12	0.50	31	35	IV	15	---
CTH KR	139	454+75.00	68.0	LT	724.20	INLETS 4-FT DIAMETER	HM	4.62	---	P140	139	141	719.58	719.12	0.50	92	96	IV	15	---
CTH KR	141	453+78.94	68.0	LT	723.50	MANHOLES 5-FT DIAMETER	HM	5.13	---	P142	141	PE143	718.37	718.35	0.30	8	10	IV	24	---
---	---	---	---	---	---	---	---	--	---	PE143	P142	---	718.35	---	---	---	---	---	24	EXIST PIPE INTERPOL ELEV
CTH KR	151	459+00.00	57.8	LT	724.07	INLETS 4-FT DIAMETER	HM	5.64	---	P152	151	157	718.43	718.26	0.50	35	40	IV	15	---
CTH KR	153	459+00.00	57.0	RT	724.07	INLETS 4-FT DIAMETER	HM	5.50	---	P154	153	155	718.57	718.39	0.50	36	40	IV	15	---
CTH KR	155	459+00.00	13.0	RT	724.15	INLETS 4-FT DIAMETER	HM	5.76	---	P156	155	157	718.39	718.26	0.50	27	31	IV	15	---
CTH KR	157	458+99.96	13.8	LT	724.15	MANHOLES 5-FT DIAMETER	HM	6.64	---	P158	157	169	717.51	716.41	0.50	220	225	IV	24	---
CTH KR	161	461+40.71	146.6	LT	719.30	POND OUTLET STRUCTURE	---	2.50	POND L OUTLET STORM SEWER STRUCTURE. SEE CONSTRUCTION DETAIL.	P162	161	165	716.80	716.62	0.36	49	54	III	12	---
---	---	---	---	---	---	---	---	--	---	P164	163	165	719.72	719.59	1.00	13	15	III	18	---
CTH KR	165	461+25.00	94.8	LT	723.00	MANHOLES 4-FT DIAMETER	J-SPECIAL	6.38	---	P166	165	167	716.62	716.51	0.30	36	40	IV	24	---
CTH KR	167	461+25.00	57.0	LT	722.61	INLETS 4-FT DIAMETER	HM	6.10	---	P168	167	169	716.51	716.41	0.30	35	40	IV	24	---
CTH KR	169	461+25.00	13.0	LT	722.93	MANHOLES 5-FT DIAMETER	HM	6.52	---	P170	169	171	716.41	716.32	0.35	26	31	IV	30	---
CTH KR	171	461+25.00	13.0	RT	722.93	INLETS 4-FT DIAMETER	HM	6.61	---	P172	171	173	716.32	716.19	0.35	36	40	IV	30	---
CTH KR	173	461+25.00	57.0	RT	722.61	INLETS 4-FT DIAMETER	HM	6.42	---	P174	173	175	716.19	716.03	0.35	47	49	IV	30	TO ENDWALL

[1]DEPTH = RIM OR FLOW ELEV - LOWEST PIPE INVERT ELEVATION

[A] SLOPE CALCULATED BASED ON PIPE LENGTH. PIPE LENGTH REPRESENTS LENGTH OF PIPE MEASURED FROM INSIDE FACE OF STRUCTURE TO INSIDE FACE OF STRUCTURE

[B]PIPE LENGTH SHOWN FOR SLOPE CALCULATION ONLY. NOT INTENDED FOR PAY QUANTITY.

[C]PLAN LENGTH SHOWN FOR PAY QUANTITY.

STORM SEWER STRUCTURES										STORM SEWER PIPES										
ROADWAY	STRUCTURE NO.	STATION	OFFSET (FT)	LOCATION	RIM OR FLOW ELEV	STRUCTURE TYPE	INLET/MANHOLE COVERS TYPE	DEPTH[1] (FT)	STRUCTURE COMMENTS	PIPE ID	FROM STR	TO STR	INLET ELEV	DISCH ELEV	SLOPE[A] %	PIPE LENGTH[B] (FT)	PLAN LENGTH[C] (FT)	PIPE CLASS	PIPE SIZE (INCH)	PIPE COMMENTS
CTH KR	181	462+25.04	56.5	LT	722.07	INLETS 4-FT DIAMETER	HM	3.38	---	P182	181	187	718.69	718.52	0.50	34	39	IV	15	---
CTH KR	183	462+25.04	55.3	RT	722.09	INLETS 4-FT DIAMETER	HM	3.27	---	P184	183	185	718.82	718.65	0.50	34	38	IV	15	---
CTH KR	185	462+25.00	13.0	RT	722.38	INLETS 4-FT DIAMETER	HM	3.73	---	P186	185	187	718.65	718.52	0.50	26	31	IV	15	---
CTH KR	187	462+25.00	13.0	LT	722.38	MANHOLES 5-FT DIAMETER	HM	3.99	---	P188	187	263	718.39	718.17	0.30	74	80	IV	24	---
CTH KR	191	463+00.00	53.8	RT	721.91	INLETS 4-FT DIAMETER	HM	3.19	---	P192	191	193	718.72	718.55	0.50	33	37	IV	15	---
CTH KR	193	463+05.00	13.0	RT	722.17	INLETS 4-FT DIAMETER	HM	3.62	---	P194	193	263	718.55	718.42	0.50	26	32	IV	15	---
CTH KR	201	473+24.97	47.2	LT	743.64	INLETS 4-FT DIAMETER	HM	6.26	---	P202	201	207	737.38	737.26	0.50	23	28	III	15	---
CTH KR	203	473+24.97	47.2	RT	743.64	INLETS 4-FT DIAMETER	HM	6.11	---	P204	203	205	737.53	737.41	0.50	24	28	III	15	---
CTH KR	205	473+25.03	15.2	RT	743.72	INLETS 4-FT DIAMETER	HM	6.31	---	P206	205	207	737.41	737.26	0.50	30	35	III	15	---
CTH KR	207	473+25.03	15.2	LT	743.73	MANHOLES 5-FT DIAMETER	HM	8.19	---	P208	207	217	735.54	726.69	3.00	295	300	III	24	---
CTH KR	211	470+25.00	45.0	LT	733.80	INLETS 4-FT DIAMETER	HM	6.24	---	P212	211	217	727.56	727.44	0.50	23	28	III	15	---
CTH KR	213	470+25.00	45.0	RT	733.80	INLETS 4-FT DIAMETER	HM	6.11	---	P214	213	215	727.69	727.57	0.50	24	28	III	15	---
CTH KR	215	470+25.00	13.0	RT	733.88	INLETS 4-FT DIAMETER	HM	6.31	---	P216	215	217	727.57	727.44	0.50	26	31	III	15	---
CTH KR	217	470+25.00	13.0	LT	733.88	MANHOLES 5-FT DIAMETER	HM	7.19	---	P218	217	219	726.69	720.33	2.70	236	240	IV	24	---
CTH KR	219	467+85.00	13.0	LT	725.89	INLETS 4-FT DIAMETER	HM	5.56	---	P220	219	233	720.33	720.30	0.50	6	10	IV	24	---

[1]DEPTH = RIM OR FLOW ELEV - LOWEST PIPE INVERT ELEVATION

[A] SLOPE CALCULATED BASED ON PIPE LENGTH. PIPE LENGTH REPRESENTS LENGTH OF PIPE MEASURED FROM INSIDE FACE OF STRUCTURE TO INSIDE FACE OF STRUCTURE

[B]PIPE LENGTH SHOWN FOR SLOPE CALCULATION ONLY. NOT INTENDED FOR PAY QUANTITY.

[C]PLAN LENGTH SHOWN FOR PAY QUANTITY.

STORM SEWER STRUCTURES										STORM SEWER PIPES										
ROADWAY	STRUCTURE NO.	STATION	OFFSET (FT)	LOCATION	RIM OR FLOW ELEV	STRUCTURE TYPE	INLET/MANHOLE COVERS TYPE	DEPTH[1] (FT)	STRUCTURE COMMENTS	PIPE ID	FROM STR	TO STR	INLET ELEV	DISCH ELEV	SLOPE[A] %	PIPE LENGTH[B] (FT)	PLAN LENGTH[C] (FT)	PIPE CLASS	PIPE SIZE (INCH)	PIPE COMMENTS
CTH KR	221	467+85.04	45.3	LT	725.80	INLETS 4-FT DIAMETER	HM	4.60	---	P222	221	223	721.20	721.17	0.50	6	10	IV	15	---
CTH KR	223	467+75.04	45.5	LT	725.58	INLETS 4-FT DIAMETER	HM	4.41	---	P224	223	233	721.17	721.05	0.50	23	28	IV	15	---
CTH KR	225	467+85.00	45.0	RT	725.81	INLETS 4-FT DIAMETER	HM	4.48	---	P226	225	227	721.33	721.30	0.50	6	10	IV	15	---
CTH KR	227	467+75.00	45.0	RT	725.59	INLETS 4-FT DIAMETER	HM	4.29	---	P228	227	231	721.30	721.18	0.50	24	28	IV	15	---
CTH KR	229	467+85.00	13.0	RT	725.89	INLETS 4-FT DIAMETER	HM	4.68	---	P230	229	231	721.21	721.18	0.50	6	10	IV	15	---
CTH KR	231	467+75.00	13.0	RT	725.67	INLETS 4-FT DIAMETER	HM	4.49	---	P232	231	233	721.18	721.05	0.50	26	31	IV	15	---
CTH KR	233	467+75.00	13.0	LT	725.67	MANHOLES 5-FT DIAMETER	HM	5.37	---	P234	233	247	720.30	719.33	0.50	195	200	IV	24	---
CTH KR	241	465+75.04	49.5	LT	723.20	INLETS 4-FT DIAMETER	HM	3.38	---	P242	241	247	719.82	719.69	0.50	26	31	IV	15	---
CTH KR	243	465+75.04	48.3	RT	723.23	INLETS 4-FT DIAMETER	HM	3.27	---	P244	243	245	719.96	719.82	0.50	27	31	IV	15	---
CTH KR	245	465+75.00	13.0	RT	723.37	INLETS 4-FT DIAMETER	HM	3.55	---	P246	245	247	719.82	719.69	0.50	26	31	IV	15	---
CTH KR	247	465+75.00	13.0	LT	723.37	MANHOLES 6-FT DIAMETER	HM	4.04	---	P248	247	261	719.33	718.36	0.50	194	200	HE-IV	24x38	---
CTH KR	251	463+85.04	53.3	LT	722.16	INLETS 4-FT DIAMETER	HM	3.41	---	P252	251	253	718.75	718.72	0.50	6	10	IV	15	---
CTH KR	253	463+75.04	53.5	LT	722.10	INLETS 4-FT DIAMETER	HM	3.38	---	P254	253	261	718.72	718.57	0.50	30	35	IV	15	---
CTH KR	255	463+85.04	52.1	RT	722.18	INLETS 4-FT DIAMETER	HM	3.29	---	P256	255	257	718.89	718.86	0.50	6	10	IV	15	---
CTH KR	257	463+75.04	52.3	RT	722.13	INLETS 4-FT DIAMETER	HM	3.27	---	P258	257	259	718.86	718.70	0.50	31	35	IV	15	---

[1]DEPTH = RIM OR FLOW ELEV - LOWEST PIPE INVERT ELEVATION

[A] SLOPE CALCULATED BASED ON PIPE LENGTH. PIPE LENGTH REPRESENTS LENGTH OF PIPE MEASURED FROM INSIDE FACE OF STRUCTURE TO INSIDE FACE OF STRUCTURE

[B]PIPE LENGTH SHOWN FOR SLOPE CALCULATION ONLY. NOT INTENDED FOR PAY QUANTITY.

[C]PLAN LENGTH SHOWN FOR PAY QUANTITY.

STORM SEWER STRUCTURES										STORM SEWER PIPES										
ROADWAY	STRUCTURE NO.	STATION	OFFSET (FT)	LOCATION	RIM OR FLOW ELEV	STRUCTURE TYPE	INLET/MANHOLE COVERS TYPE	DEPTH[1] (FT)	STRUCTURE COMMENTS	PIPE ID	FROM STR	TO STR	INLET ELEV	DISCH ELEV	SLOPE[A] %	PIPE LENGTH[B] (FT)	PLAN LENGTH[C] (FT)	PIPE CLASS	PIPE SIZE (INCH)	PIPE COMMENTS
CTH KR	259	463+75.00	13.0	RT	722.35	INLETS 4-FT DIAMETER	HM	3.65	---	P260	259	261	718.70	718.57	0.50	26	31	IV	15	---
CTH KR	261	463+75.00	13.0	LT	722.35	MANHOLES 6-FT DIAMETER	HM	3.99	---	P262	261	263	718.36	718.17	0.30	64	70	HE-IV	24x38	---
CTH KR	263	463+05.00	13.0	LT	722.17	MANHOLES 7-FT DIAMETER	HM	4.00	---	P264	263	265	718.17	718.08	0.30	30	36	HE-IV	24x38	---
CTH KR	265	463+00.00	55.0	LT	721.89	MANHOLES 5-FT DIAMETER	HM	3.81	---	P266	265	267	718.08	717.83	0.30	84	87	HE-IV	24x38	TO ENDWALL
CTH KR	281	478+50.00	57.0	LT	744.99	INLETS 4-FT DIAMETER	HM	6.20	---	P282	281	287	738.79	738.59	0.50	39	44	III	15	---
CTH KR	283	478+50.00	57.0	RT	744.99	INLETS 4-FT DIAMETER	HM	6.11	---	P284	283	285	738.88	738.68	0.50	40	44	III	15	---
CTH KR	285	478+50.00	9.0	RT	744.99	INLETS 4-FT DIAMETER	HM	6.31	---	P286	285	287	738.68	738.59	0.50	18	23	III	15	---
CTH KR	287	478+49.99	9.0	LT	744.99	MANHOLES 5-FT DIAMETER	HM	7.15	---	P288	287	297	737.84	731.46	2.60	245	250	III	24	---
CTH KR	291	481+00.03	48.1	LT	738.66	INLETS 4-FT DIAMETER	HM	6.27	---	P292	291	297	732.39	732.27	0.50	23	28	III	15	---
CTH KR	293	481+00.03	48.1	RT	738.66	INLETS 4-FT DIAMETER	HM	6.11	---	P294	293	295	732.55	732.43	0.50	24	28	III	15	---
CTH KR	295	480+99.97	16.1	RT	738.74	INLETS 4-FT DIAMETER	HM	6.31	---	P296	295	297	732.43	732.27	0.50	32	37	III	15	---
CTH KR	297	480+99.97	16.1	LT	738.75	MANHOLES 5-FT DIAMETER	HM	9.67	---	P298	297	307	729.08	721.72	3.00	245	250	III	24	---
CTH KR	301	483+50.00	45.0	LT	728.83	INLETS 4-FT DIAMETER	HM	6.24	---	P302	301	307	722.59	722.47	0.50	23	28	III	15	---
CTH KR	303	483+50.00	45.0	RT	728.83	INLETS 4-FT DIAMETER	HM	6.11	---	P304	303	305	722.72	722.60	0.50	24	28	III	15	---
CTH KR	305	483+50.00	13.0	RT	728.91	INLETS 4-FT DIAMETER	HM	6.31	---	P306	305	307	722.60	722.47	0.50	26	31	III	15	---

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[B]PIPE LENGTH SHOWN FOR SLOPE CALCULATION ONLY. NOT INTENDED FOR PAY QUANTITY.

[C]PLAN LENGTH SHOWN FOR PAY QUANTITY.

STORM SEWER STRUCTURES										STORM SEWER PIPES										
ROADWAY	STRUCTURE NO.	STATION	OFFSET (FT)	LOCATION	RIM OR FLOW ELEV	STRUCTURE TYPE	INLET/MANHOLE COVERS TYPE	DEPTH[1] (FT)	STRUCTURE COMMENTS	PIPE ID	FROM STR	TO STR	INLET ELEV	DISCH ELEV	SLOPE[A] %	PIPE LENGTH[B] (FT)	PLAN LENGTH[C] (FT)	PIPE CLASS	PIPE SIZE (INCH)	PIPE COMMENTS
CTH KR	307	483+50.00	13.0	LT	728.91	MANHOLES 5-FT DIAMETER	HM	8.79	---	P308	307	317	720.12	712.77	3.00	245	250	III	24	---
CTH KR	311	486+00.00	45.0	LT	719.88	INLETS 4-FT DIAMETER	HM	6.25	---	P312	311	317	713.63	713.52	0.50	23	28	III	15	---
CTH KR	313	486+00.00	45.0	RT	719.88	INLETS 4-FT DIAMETER	HM	6.11	---	P314	313	315	713.77	713.65	0.50	24	28	III	15	---
CTH KR	315	486+00.00	13.0	RT	719.96	INLETS 4-FT DIAMETER	HM	6.31	---	P316	315	317	713.65	713.52	0.50	26	31	III	15	---
CTH KR	317	486+00.00	13.0	LT	719.96	MANHOLES 5-FT DIAMETER	HM	7.42	---	P318	317	327	712.54	709.42	1.60	195	200	III	24	---
CTH KR	321	488+00.00	45.0	LT	716.53	INLETS 4-FT DIAMETER	HM	6.25	---	P322	321	327	710.28	710.17	0.50	23	28	III	15	---
CTH KR	323	488+00.00	45.0	RT	716.53	INLETS 4-FT DIAMETER	HM	6.11	---	P324	323	325	710.42	710.30	0.50	24	28	III	15	---
CTH KR	325	488+00.00	13.0	RT	716.61	INLETS 4-FT DIAMETER	HM	6.31	---	P326	325	327	710.30	710.17	0.50	26	31	III	15	---
CTH KR	327	488+00.00	13.0	LT	716.61	MANHOLES 5-FT DIAMETER	HM	7.23	---	P328	327	337	709.38	707.86	0.78	195	200	III	24	---
CTH KR	331	490+00.00	45.0	LT	715.04	INLETS 4-FT DIAMETER	HM	6.15	---	P332	331	337	708.89	708.78	0.50	23	28	III	15	---
CTH KR	333	489+83.89	45.0	RT	715.16	INLETS 4-FT DIAMETER	HM	6.11	---	P334	333	335	709.05	708.91	0.50	28	32	III	15	---
CTH KR	335	490+00.00	13.0	RT	715.12	INLETS 4-FT DIAMETER	HM	6.21	---	P336	335	337	708.91	708.78	0.50	26	31	III	15	---
CTH KR	337	490+00.00	13.0	LT	715.12	MANHOLES 5-FT DIAMETER	HM	7.76	---	P338	337	347	707.36	705.84	0.78	195	200	III	30	---
CTH KR	341	492+00.00	45.0	LT	713.55	INLETS 4-FT DIAMETER	HM	6.24	---	P342	341	347	707.31	707.19	0.50	23	28	III	15	---
CTH KR	343	492+00.00	45.0	RT	713.55	INLETS 4-FT DIAMETER	HM	6.11	---	P344	343	345	707.44	707.32	0.50	24	28	III	15	---

[1]DEPTH = RIM OR FLOW ELEV - LOWEST PIPE INVERT ELEVATION

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[B]PIPE LENGTH SHOWN FOR SLOPE CALCULATION ONLY. NOT INTENDED FOR PAY QUANTITY.

[C]PLAN LENGTH SHOWN FOR PAY QUANTITY.

STORM SEWER STRUCTURES										STORM SEWER PIPES										
ROADWAY	STRUCTURE NO.	STATION	OFFSET (FT)	LOCATION	RIM OR FLOW ELEV	STRUCTURE TYPE	INLET/MANHOLE COVERS TYPE	DEPTH[1] (FT)	STRUCTURE COMMENTS	PIPE ID	FROM STR	TO STR	INLET ELEV	DISCH ELEV	SLOPE[A] %	PIPE LENGTH[B] (FT)	PLAN LENGTH[C] (FT)	PIPE CLASS	PIPE SIZE (INCH)	PIPE COMMENTS
CTH KR	345	492+00.00	13.0	RT	713.63	INLETS 4-FT DIAMETER	HM	6.31	---	P346	345	347	707.32	707.19	0.50	26	31	III	15	---
CTH KR	347	492+00.00	13.0	LT	713.63	MANHOLES 5-FT DIAMETER	HM	7.79	---	P348	347	357	705.84	704.32	0.78	195	200	III	30	---
CTH KR	351	494+00.00	45.0	LT	712.05	INLETS 4-FT DIAMETER	HM	6.25	---	P352	351	357	705.80	705.69	0.50	23	28	III	15	---
CTH KR	353	494+00.00	45.0	RT	712.05	INLETS 4-FT DIAMETER	HM	6.11	---	P354	353	355	705.94	705.82	0.50	24	28	III	15	---
CTH KR	355	494+00.00	13.0	RT	712.13	INLETS 4-FT DIAMETER	HM	6.31	---	P356	355	357	705.82	705.69	0.50	26	31	III	15	---
CTH KR	357	494+00.00	13.0	LT	712.13	MANHOLES 5-FT DIAMETER	HM	7.81	---	P358	357	369	704.32	702.80	0.78	195	200	III	30	---
CTH KR	361	496+00.00	45.0	LT	710.56	INLETS 4-FT DIAMETER	HM	6.24	---	P362	361	369	704.32	704.20	0.50	23	28	III	15	---
CTH KR	363	495+90.00	45.0	RT	710.64	INLETS 4-FT DIAMETER	HM	6.16	---	P364	363	365	704.48	704.45	0.50	6	10	III	15	---
CTH KR	365	496+00.00	45.0	RT	710.56	INLETS 4-FT DIAMETER	HM	6.11	---	P366	365	367	704.45	704.33	0.50	24	28	III	15	---
CTH KR	367	496+00.00	13.0	RT	710.64	INLETS 4-FT DIAMETER	HM	6.31	---	P368	367	369	704.33	704.20	0.50	26	31	III	15	---
CTH KR	369	496+00.00	13.0	LT	710.64	MANHOLES 5-FT DIAMETER	HM	7.84	---	P370	369	389	702.80	701.28	0.78	195	200	III	30	---
CTH KR	381	498+25.00	46.0	LT	708.84	INLETS 4-FT DIAMETER	HM	6.11	---	P382	381	389	702.73	702.57	0.50	33	38	III	15	---
CTH KR	383	497+89.97	47.1	RT	709.14	INLETS 4-FT DIAMETER	HM	6.28	---	P384	383	385	702.86	702.83	0.50	6	10	III	15	---
CTH KR	385	497+99.97	47.3	RT	709.07	INLETS 4-FT DIAMETER	HM	6.24	---	P386	385	387	702.83	702.71	0.50	24	28	III	15	---
CTH KR	387	498+00.03	15.3	RT	709.15	INLETS 4-FT DIAMETER	HM	6.44	---	P388	387	389	702.71	702.57	0.50	28	33	III	15	---

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[B]PIPE LENGTH SHOWN FOR SLOPE CALCULATION ONLY. NOT INTENDED FOR PAY QUANTITY.

[C]PLAN LENGTH SHOWN FOR PAY QUANTITY.

STORM SEWER STRUCTURES										STORM SEWER PIPES										
ROADWAY	STRUCTURE NO.	STATION	OFFSET (FT)	LOCATION	RIM OR FLOW ELEV	STRUCTURE TYPE	INLET/MANHOLE COVERS TYPE	DEPTH[1] (FT)	STRUCTURE COMMENTS	PIPE ID	FROM STR	TO STR	INLET ELEV	DISCH ELEV	SLOPE[A] %	PIPE LENGTH[B] (FT)	PLAN LENGTH[C] (FT)	PIPE CLASS	PIPE SIZE (INCH)	PIPE COMMENTS
CTH KR	389	498+00.00	13.0	LT	709.15	MANHOLES 6-FT DIAMETER	HM	7.87	---	P390	389	399	701.28	699.76	0.78	195	200	III	30	---
CTH KR	391	499+99.97	45.8	LT	707.57	INLETS 4-FT DIAMETER	HM	6.44	---	P392	391	399	701.13	701.02	0.50	23	28	III	15	---
CTH KR	393	499+89.87	54.7	RT	707.52	INLETS 4-FT DIAMETER	HM	6.17	---	P394	393	395	701.35	701.32	0.50	6	10	III	15	---
CTH KR	395	499+99.84	55.5	RT	707.43	INLETS 4-FT DIAMETER	HM	6.11	---	P396	395	397	701.32	701.11	0.50	43	47	III	15	---
CTH KR	397	499+99.84	4.5	RT	707.42	INLETS 4-FT DIAMETER	HM	6.31	---	P398	397	399	701.11	701.02	0.50	18	23	III	15	---
CTH KR	399	500+00.04	13.8	LT	707.65	MANHOLES 5-FT DIAMETER	HM	7.89	---	P400	399	413	699.76	698.24	0.78	195	200	III	30	---
CTH KR	401	501+90.00	48.0	LT	706.16	INLETS 4-FT DIAMETER	HM	6.53	---	P402	401	403	699.63	699.60	0.50	6	10	III	15	---
CTH KR	403	502+00.00	48.0	LT	706.08	INLETS 4-FT DIAMETER	HM	6.48	---	P404	403	413	699.60	699.49	0.50	22	27	III	15	---
CTH KR	405	501+90.00	56.0	RT	706.00	INLETS 4-FT DIAMETER	HM	6.16	---	P406	405	407	699.84	699.81	0.50	6	10	III	15	---
CTH KR	407	502+00.00	56.0	RT	705.92	INLETS 4-FT DIAMETER	HM	6.11	---	P408	407	411	699.81	699.53	0.50	56	60	III	15	---
CTH KR	409	501+90.00	8.0	LT	705.76	INLETS 4-FT DIAMETER	HM	6.20	---	P410	409	411	699.56	699.53	0.50	6	10	III	15	---
CTH KR	411	502+00.00	8.0	LT	705.68	INLETS 4-FT DIAMETER	HM	6.15	---	P412	411	413	699.53	699.49	0.50	8	13	III	15	---
CTH KR	413	502+00.00	16.0	LT	706.16	MANHOLES 6-FT DIAMETER	HM	8.42	---	P414	413	435	697.74	696.75	0.78	127	133	III	36	---
CTH KR	421	503+42.90	48.0	LT	705.05	INLETS 4-FT DIAMETER	HM	6.37	---	P422	421	423	698.68	698.65	0.50	6	10	III	15	---
CTH KR	423	503+32.90	48.0	LT	705.12	INLETS 4-FT DIAMETER	HM	6.47	---	P424	423	435	698.65	698.54	0.50	22	27	III	15	---

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[B]PIPE LENGTH SHOWN FOR SLOPE CALCULATION ONLY. NOT INTENDED FOR PAY QUANTITY.

[C]PLAN LENGTH SHOWN FOR PAY QUANTITY.

STORM SEWER STRUCTURES										STORM SEWER PIPES										
ROADWAY	STRUCTURE NO.	STATION	OFFSET (FT)	LOCATION	RIM OR FLOW ELEV	STRUCTURE TYPE	INLET/MANHOLE COVERS TYPE	DEPTH[1] (FT)	STRUCTURE COMMENTS	PIPE ID	FROM STR	TO STR	INLET ELEV	DISCH ELEV	SLOPE[A] %	PIPE LENGTH[B] (FT)	PLAN LENGTH[C] (FT)	PIPE CLASS	PIPE SIZE (INCH)	PIPE COMMENTS
CTH KR	425	503+42.90	56.0	RT	704.96	INLETS 4-FT DIAMETER	HM	6.11	---	P426	425	427	698.85	698.82	0.50	6	10	III	15	---
CTH KR	427	503+32.90	56.0	RT	705.01	INLETS 4-FT DIAMETER	HM	6.19	---	P428	427	429	698.82	698.66	0.50	32	36	III	15	---
CTH KR	429	503+32.90	16.0	RT	705.17	INLETS 4-FT DIAMETER	HM	6.51	---	P430	429	431	698.66	698.62	0.50	8	12	III	15	---
CTH KR	431	503+32.90	8.0	RT	705.01	INLETS 4-FT DIAMETER	HM	6.39	---	P432	431	433	698.62	698.58	0.50	8	12	III	15	---
CTH KR	433	503+32.90	8.0	LT	704.85	INLETS 4-FT DIAMETER	HM	6.27	---	P434	433	435	698.58	698.54	0.50	8	13	III	15	---
CTH KR	435	503+32.90	16.0	LT	705.17	MANHOLES 6-FT DIAMETER	HM	8.42	---	P436	435	501	696.75	695.78	0.78	124	130	III	36	---
90TH STREET	451	63+47.15	8.1	LT	700.82	INLETS 4-FT DIAMETER	H	4.19	---	P452	451	453	696.63	696.60	0.50	6	10	IV	15	---
90TH STREET	453	63+46.90	2.0	LT	700.82	INLETS 4-FT DIAMETER	H	4.22	---	P454	453	467	696.60	696.37	0.50	46	50	IV	15	---
90TH STREET	461	62+96.53	39.9	LT	700.59	INLETS 4-FT DIAMETER	H	4.07	---	P462	461	463	696.52	696.42	0.50	20	24	IV	15	---
90TH STREET	463	62+96.53	12.0	LT	701.07	INLETS 4-FT DIAMETER	H	4.65	---	P464	463	467	696.42	696.37	0.50	10	14	IV	15	---
90TH STREET	465	62+96.53	17.0	RT	700.77	INLETS 4-FT DIAMETER	H	4.35	---	P466	465	467	696.42	696.37	0.50	10	15	IV	15	---
90TH STREET	467	62+96.53	2.0	LT	701.07	MANHOLES 5-FT DIAMETER	H	5.45	---	P468	467	477	695.62	695.35	0.30	92	97	IV	24	---
90TH STREET	471	62+00.00	49.4	LT	701.19	INLETS 4-FT DIAMETER	H	4.90	---	P472	471	473	696.29	696.18	0.50	23	27	IV	15	---
90TH STREET	473	62+00.00	18.8	LT	701.62	INLETS 4-FT DIAMETER	H	5.44	---	P474	473	477	696.18	696.10	0.50	17	21	IV	15	---
90TH STREET	475	62+00.00	17.0	RT	701.37	INLETS 4-FT DIAMETER	H	5.22	---	P476	475	477	696.15	696.10	0.50	10	15	IV	15	---

[1]DEPTH = RIM OR FLOW ELEV - LOWEST PIPE INVERT ELEVATION

[A] SLOPE CALCULATED BASED ON PIPE LENGTH. PIPE LENGTH REPRESENTS LENGTH OF PIPE MEASURED FROM INSIDE FACE OF STRUCTURE TO INSIDE FACE OF STRUCTURE

[B]PIPE LENGTH SHOWN FOR SLOPE CALCULATION ONLY. NOT INTENDED FOR PAY QUANTITY.

[C]PLAN LENGTH SHOWN FOR PAY QUANTITY.

STORM SEWER STRUCTURES										STORM SEWER PIPES										
ROADWAY	STRUCTURE NO.	STATION	OFFSET (FT)	LOCATION	RIM OR FLOW ELEV	STRUCTURE TYPE	INLET/MANHOLE COVERS TYPE	DEPTH[1] (FT)	STRUCTURE COMMENTS	PIPE ID	FROM STR	TO STR	INLET ELEV	DISCH ELEV	SLOPE[A] %	PIPE LENGTH[B] (FT)	PLAN LENGTH[C] (FT)	PIPE CLASS	PIPE SIZE (INCH)	PIPE COMMENTS
90TH STREET	477	62+00.00	2.0	LT	701.67	MANHOLES 5-FT DIAMETER	H	6.32	---	P478	477	487	695.35	695.07	0.30	95	100	IV	24	---
90TH STREET	481	61+00.00	58.4	LT	701.64	INLETS 4-FT DIAMETER	H	5.58	---	P482	481	483	696.06	695.86	0.50	40	44	IV	15	---
90TH STREET	483	61+00.00	10.0	LT	702.05	INLETS 4-FT DIAMETER	H	6.19	---	P484	483	487	695.86	695.82	0.50	8	13	III	15	---
90TH STREET	485	61+00.00	17.0	RT	701.99	INLETS 4-FT DIAMETER	H	6.12	---	P486	485	487	695.87	695.82	0.50	10	15	III	15	---
90TH STREET	487	61+00.00	2.0	LT	702.29	MANHOLES 5-FT DIAMETER	H	7.22	---	P488	487	499	695.07	694.79	0.30	95	100	III	24	---
90TH STREET	491	59+90.76	62.0	LT	702.47	INLETS 4-FT DIAMETER	H	6.21	---	P492	491	493	696.26	696.23	0.50	6	10	III	15	---
90TH STREET	493	60+00.00	62.0	LT	702.34	INLETS 4-FT DIAMETER	H	6.11	---	P494	493	495	696.23	696.01	0.50	44	48	III	15	---
90TH STREET	495	60+00.00	10.0	LT	702.68	INLETS 4-FT DIAMETER	H	6.67	---	P496	495	499	696.01	695.97	0.50	8	13	III	15	---
90TH STREET	497	60+00.00	17.1	RT	702.62	INLETS 4-FT DIAMETER	H	6.60	---	P498	497	499	696.02	695.97	0.50	10	15	III	15	---
90TH STREET	499	60+00.00	2.0	LT	702.92	MANHOLES 5-FT DIAMETER	H	8.13	---	P500	499	501	694.79	694.26	0.30	176	181	III	24	---
CTH KR	501	504+62.40	18.0	LT	704.28	MANHOLES 6-FT DIAMETER	J-SPECIAL	11.02	---	P502	501	521	693.26	692.79	0.57	82	88	III	36	---
CTH KR	511	505+50.00	56.0	LT	703.37	INLETS 4-FT DIAMETER	HM	6.11	---	P512	511	521	697.26	697.11	0.50	30	35	III	15	---
CTH KR	513	505+50.00	48.0	RT	703.49	INLETS 4-FT DIAMETER	HM	6.14	---	P514	513	515	697.35	697.23	0.50	24	28	III	15	---
CTH KR	515	505+50.00	16.0	RT	703.55	INLETS 4-FT DIAMETER	HM	6.32	---	P516	515	517	697.23	697.19	0.50	8	12	III	15	---
CTH KR	517	505+50.00	8.0	RT	703.19	INLETS 4-FT DIAMETER	HM	6.00	---	P518	517	519	697.19	697.15	0.50	8	12	III	15	---

[1]DEPTH = RIM OR FLOW ELEV - LOWEST PIPE INVERT ELEVATION

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[B]PIPE LENGTH SHOWN FOR SLOPE CALCULATION ONLY. NOT INTENDED FOR PAY QUANTITY.

[C]PLAN LENGTH SHOWN FOR PAY QUANTITY.

STORM SEWER STRUCTURES										STORM SEWER PIPES										
ROADWAY	STRUCTURE NO.	STATION	OFFSET (FT)	LOCATION	RIM OR FLOW ELEV	STRUCTURE TYPE	INLET/MANHOLE COVERS TYPE	DEPTH[1] (FT)	STRUCTURE COMMENTS	PIPE ID	FROM STR	TO STR	INLET ELEV	DISCH ELEV	SLOPE[A] %	PIPE LENGTH[B] (FT)	PLAN LENGTH[C] (FT)	PIPE CLASS	PIPE SIZE (INCH)	PIPE COMMENTS
CTH KR	519	505+50.00	8.0	LT	703.37	INLETS 4-FT DIAMETER	HM	6.22	---	P520	519	521	697.15	697.11	0.50	8	13	III	15	---
CTH KR	521	505+50.00	16.0	LT	703.55	MANHOLES 6-FT DIAMETER	HM	10.76	---	P522	521	535	692.79	691.83	0.57	169	175	III	36	---
---	---	---	---	---	---	---	---	--	---	P532	531	533	697.21	696.05	3.25	36	38	III	24	---
CTH KR	533	507+29.66	56.0	LT	701.97	INLETS 4-FT DIAMETER	HM	6.92	---	P534	533	535	695.05	694.89	0.50	31	36	III	24	---
CTH KR	535	507+25.02	18.0	LT	702.32	MANHOLES 6-FT DIAMETER	J-SPECIAL	10.49	---	P536	535	537	691.83	691.77	0.57	10	15	III	36	---
CTH KR	537	507+30.54	1.2	LT	701.90	MANHOLES 5-FT DIAMETER	HM	10.13	---	P538	537	539	691.77	691.67	0.57	17	22	III	36	---
CTH KR	539	507+38.55	14.8	RT	702.14	MANHOLES 5-FT DIAMETER	HM	10.47	---	P540	539	541	691.67	691.53	0.57	24	29	III	36	---
CTH KR	541	507+48.86	46.7	RT	701.98	MANHOLES 5-FT DIAMETER	HM	10.45	---	P542	541	543	691.53	691.07	0.57	82	84	III	36	TO ENDWALL
CTH KR	551	512+00.00	45.0	LT	698.25	INLETS 4-FT DIAMETER	HM	5.05	---	P552	551	557	693.20	693.08	0.50	23	28	IV	15	---
CTH KR	553	512+00.59	45.0	RT	698.25	INLETS 4-FT DIAMETER	HM	4.92	---	P554	553	555	693.33	693.21	0.50	24	28	IV	15	---
CTH KR	555	512+00.29	13.0	RT	698.33	INLETS 4-FT DIAMETER	HM	5.12	---	P556	555	557	693.21	693.08	0.50	26	31	IV	15	---
CTH KR	557	512+00.00	13.0	LT	698.33	MANHOLES 5-FT DIAMETER	HM	6.00	---	P558	557	563	692.33	691.82	0.30	170	175	IV	24	---
CTH KR	561	510+25.00	13.0	RT	700.00	INLETS 4-FT DIAMETER	HM	6.11	---	P562	561	563	693.89	693.75	0.50	28	32	III	15	---
CTH KR	563	510+24.96	14.9	LT	700.00	MANHOLES 5-FT DIAMETER	HM	8.18	---	P564	563	567	691.82	691.39	0.30	145	150	III	24	---
CTH KR	565	508+75.16	50.6	LT	700.99	INLETS 4-FT DIAMETER	HM	6.11	---	P566	565	567	694.88	694.74	0.50	29	33	III	15	---

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[B]PIPE LENGTH SHOWN FOR SLOPE CALCULATION ONLY. NOT INTENDED FOR PAY QUANTITY.

[C]PLAN LENGTH SHOWN FOR PAY QUANTITY.

STORM SEWER STRUCTURES										STORM SEWER PIPES										
ROADWAY	STRUCTURE NO.	STATION	OFFSET (FT)	LOCATION	RIM OR FLOW ELEV	STRUCTURE TYPE	INLET/MANHOLE COVERS TYPE	DEPTH[1] (FT)	STRUCTURE COMMENTS	PIPE ID	FROM STR	TO STR	INLET ELEV	DISCH ELEV	SLOPE[A] %	PIPE LENGTH[B] (FT)	PLAN LENGTH[C] (FT)	PIPE CLASS	PIPE SIZE (INCH)	PIPE COMMENTS
CTH KR	567	508+75.20	12.8	LT	701.06	MANHOLES 5-FT DIAMETER	HM	9.67	---	P568	567	569	691.39	691.31	0.30	26	31	III	24	---
CTH KR	569	508+75.00	13.5	RT	701.12	INLETS 4-FT DIAMETER	HM	9.81	---	P570	569	571	691.31	691.24	0.30	24	28	III	24	---
CTH KR	571	508+75.00	45.5	RT	701.04	INLETS 4-FT DIAMETER	HM	9.80	---	P572	571	573	691.24	691.02	0.30	74	76	III	24	TO ENDWALL
CTH KR	575	512+95.86	155.1	RT	693.00	POND OUTLET STRUCTURE	---	3.00	POND M OUTLET STORM SEWER STRUCTURE. SEE CONSTRUCTION DETAIL.	P576	575	577	690.00	689.77	0.59	39	42	III	18	---
CTH KR	581	514+00.00	45.0	LT	695.39	INLETS 4-FT DIAMETER	HM	6.24	---	P582	581	587	689.15	689.03	0.50	23	28	III	15	---
CTH KR	583	514+00.00	45.0	RT	695.39	INLETS 4-FT DIAMETER	HM	6.11	---	P584	583	585	689.28	689.16	0.50	24	28	III	15	---
CTH KR	585	514+00.00	13.0	RT	695.47	INLETS 4-FT DIAMETER	HM	6.31	---	P586	585	587	689.16	689.03	0.50	26	31	III	15	---
CTH KR	587	514+00.00	13.0	LT	695.47	MANHOLES 5-FT DIAMETER	HM	7.86	---	P588	587	597	687.61	686.64	0.50	195	200	IV	24	---
CTH KR	591	516+00.00	45.0	LT	692.39	INLETS 4-FT DIAMETER	HM	4.88	---	P592	591	597	687.51	687.39	0.50	23	28	IV	15	---
CTH KR	593	516+00.00	45.0	RT	692.39	INLETS 4-FT DIAMETER	HM	4.75	---	P594	593	595	687.64	687.52	0.50	24	28	IV	15	---
CTH KR	595	516+00.00	13.0	RT	692.47	INLETS 4-FT DIAMETER	HM	4.95	---	P596	595	597	687.52	687.39	0.50	26	31	IV	15	---
CTH KR	597	516+00.00	13.0	LT	692.47	MANHOLES 5-FT DIAMETER	HM	5.83	---	P598	597	607	686.64	685.92	0.50	145	150	IV	24	---
CTH KR	601	517+50.00	45.0	LT	690.30	INLETS 4-FT DIAMETER	HM	3.52	---	P602	601	607	686.78	686.67	0.50	23	28	IV	15	---
CTH KR	603	517+50.00	45.0	RT	690.30	INLETS 4-FT DIAMETER	HM	3.38	---	P604	603	605	686.92	686.80	0.50	24	28	IV	15	---
CTH KR	605	517+50.00	13.0	RT	690.38	INLETS 4-FT DIAMETER	HM	3.58	---	P606	605	607	686.80	686.67	0.50	26	31	IV	15	---

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[B]PIPE LENGTH SHOWN FOR SLOPE CALCULATION ONLY. NOT INTENDED FOR PAY QUANTITY.

[C]PLAN LENGTH SHOWN FOR PAY QUANTITY.

STORM SEWER STRUCTURES										STORM SEWER PIPES										
ROADWAY	STRUCTURE NO.	STATION	OFFSET (FT)	LOCATION	RIM OR FLOW ELEV	STRUCTURE TYPE	INLET/MANHOLE COVERS TYPE	DEPTH[1] (FT)	STRUCTURE COMMENTS	PIPE ID	FROM STR	TO STR	INLET ELEV	DISCH ELEV	SLOPE[A] %	PIPE LENGTH[B] (FT)	PLAN LENGTH[C] (FT)	PIPE CLASS	PIPE SIZE (INCH)	PIPE COMMENTS
CTH KR	607	517+50.00	13.0	LT	690.38	MANHOLES 5-FT DIAMETER	HM	4.46	---	P608	607	617	685.92	685.45	0.50	95	100	IV	24	---
CTH KR	611	518+50.00	45.0	LT	689.53	INLETS 4-FT DIAMETER	HM	3.41	---	P612	611	617	686.12	686.01	0.50	23	28	IV	15	---
CTH KR	613	518+50.00	45.0	RT	689.53	INLETS 4-FT DIAMETER	HM	3.27	---	P614	613	615	686.26	686.13	0.50	25	29	IV	15	---
CTH KR	615	518+49.85	11.6	RT	689.58	INLETS 4-FT DIAMETER	HM	3.45	---	P616	615	617	686.13	686.01	0.50	25	29	IV	15	---
CTH KR	617	518+50.00	13.0	LT	689.61	MANHOLES 5-FT DIAMETER	HM	4.16	---	P618	617	725	685.45	685.10	0.50	69	75	IV	24	---
CTH KR	621	532+25.00	57.0	LT	715.60	INLETS 4-FT DIAMETER	HM	6.16	---	P622	621	629	709.44	709.24	0.50	39	44	III	15	---
CTH KR	623	532+25.00	69.5	RT	715.39	INLETS 2x2.5-FT	V	5.81	---	P624	623	625	709.58	709.53	0.50	10	13	III	15	---
CTH KR	625	532+25.00	57.0	RT	715.64	INLETS 4-FT DIAMETER	HM	6.11	---	P626	625	627	709.53	709.33	0.50	40	44	III	15	---
CTH KR	627	532+25.00	9.0	RT	715.60	INLETS 4-FT DIAMETER	HM	6.27	---	P628	627	629	709.33	709.24	0.50	18	23	III	15	---
CTH KR	629	532+25.00	9.0	LT	715.60	MANHOLES 5-FT DIAMETER	HM	7.11	---	P630	629	641	708.49	705.16	0.90	370	375	III	24	---
CTH KR	631	528+49.97	46.0	LT	712.37	INLETS 4-FT DIAMETER	HM	6.24	---	P632	631	641	706.13	706.01	0.50	24	29	IV	15	---
CTH KR	633	528+50.00	66.0	RT	712.04	INLETS 2x2.5-FT	V	5.70	---	P634	633	635	706.34	706.28	0.50	11	14	III	15	---
CTH KR	635	528+50.00	53.0	RT	711.83	INLETS 4-FT DIAMETER	V	5.55	---	P636	635	637	706.28	706.26	0.50	4	8	III	15	---
CTH KR	637	528+50.00	45.0	RT	712.37	INLETS 4-FT DIAMETER	HM	6.11	---	P638	637	639	706.26	706.14	0.50	24	28	IV	15	---
CTH KR	639	528+50.00	13.0	RT	712.45	INLETS 4-FT DIAMETER	HM	6.31	---	P640	639	641	706.14	706.01	0.50	26	31	IV	15	---

[1]DEPTH = RIM OR FLOW ELEV - LOWEST PIPE INVERT ELEVATION

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[B]PIPE LENGTH SHOWN FOR SLOPE CALCULATION ONLY. NOT INTENDED FOR PAY QUANTITY.

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STORM SEWER STRUCTURES										STORM SEWER PIPES										
ROADWAY	STRUCTURE NO.	STATION	OFFSET (FT)	LOCATION	RIM OR FLOW ELEV	STRUCTURE TYPE	INLET/MANHOLE COVERS TYPE	DEPTH[1] (FT)	STRUCTURE COMMENTS	PIPE ID	FROM STR	TO STR	INLET ELEV	DISCH ELEV	SLOPE[A] %	PIPE LENGTH[B] (FT)	PLAN LENGTH[C] (FT)	PIPE CLASS	PIPE SIZE (INCH)	PIPE COMMENTS
CTH KR	641	528+50.00	13.0	LT	712.45	MANHOLES 5-FT DIAMETER	HM	9.05	---	P642	641	665	703.40	695.68	3.00	257	262	III	24	---
CTH KR	643	525+88.13	45.0	LT	702.78	INLETS 4-FT DIAMETER	HM	6.23	---	P644	643	665	696.55	696.43	0.50	24	28	III	15	---
CTH KR	655	525+88.10	66.0	RT	702.43	INLETS 2x2.5-FT	V	5.69	---	P656	655	657	696.74	696.68	0.50	11	14	III	15	---
CTH KR	657	525+88.10	53.0	RT	702.34	INLETS 4-FT DIAMETER	V	5.66	---	P658	657	659	696.68	696.66	0.50	4	8	III	15	---
CTH KR	659	525+88.10	45.0	RT	702.77	INLETS 4-FT DIAMETER	HM	6.11	---	P660	659	661	696.66	696.54	0.50	24	28	III	15	---
CTH KR	661	525+88.11	13.0	RT	702.85	INLETS 4-FT DIAMETER	HM	6.31	---	P662	661	663	696.54	696.47	0.50	14	18	III	15	---
CTH KR	663	525+88.12	1.0	LT	702.61	INLETS 4-FT DIAMETER	HM	6.14	---	P664	663	665	696.47	696.43	0.50	8	12	III	15	---
CTH KR	665	525+88.12	15.0	LT	702.93	MANHOLES 5-FT DIAMETER	J-SPECIAL	8.32	---	P666	665	681	694.61	687.72	3.00	230	235	III	24	---
CTH KR	671	523+54.00	45.0	LT	694.97	INLETS 4-FT DIAMETER	HM	6.24	---	P672	671	681	688.73	688.61	0.50	24	28	III	15	---
CTH KR	673	524+70.34	59.0	RT	698.16	INLETS MEDIAN 1 GRATE	MS	4.22	---	P674	673	675	693.94	689.97	3.50	113	117	IV	15	---
CTH KR	675	523+54.00	45.0	RT	694.97	INLETS 4-FT DIAMETER	HM	6.13	---	P676	675	677	688.84	688.71	0.50	26	30	III	15	---
CTH KR	677	523+54.53	11.0	RT	695.30	INLETS 4-FT DIAMETER	HM	6.59	---	P688	677	679	688.71	688.66	0.50	10	14	III	15	---
CTH KR	679	523+54.52	1.0	RT	694.77	INLETS 4-FT DIAMETER	HM	6.11	---	P680	679	681	688.66	688.61	0.50	10	14	III	15	---
CTH KR	681	523+54.00	15.0	LT	695.13	MANHOLES 5-FT DIAMETER	J-SPECIAL	7.95	---	P682	681	697	687.18	686.18	0.50	199	204	IV	24	---
CTH KR	691	521+50.00	45.0	LT	690.90	INLETS 4-FT DIAMETER	HM	3.76	---	P692	691	697	687.14	686.93	0.90	23	28	IV	15	---

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[B]PIPE LENGTH SHOWN FOR SLOPE CALCULATION ONLY. NOT INTENDED FOR PAY QUANTITY.

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STORM SEWER STRUCTURES										STORM SEWER PIPES										
ROADWAY	STRUCTURE NO.	STATION	OFFSET (FT)	LOCATION	RIM OR FLOW ELEV	STRUCTURE TYPE	INLET/MANHOLE COVERS TYPE	DEPTH[1] (FT)	STRUCTURE COMMENTS	PIPE ID	FROM STR	TO STR	INLET ELEV	DISCH ELEV	SLOPE[A] %	PIPE LENGTH[B] (FT)	PLAN LENGTH[C] (FT)	PIPE CLASS	PIPE SIZE (INCH)	PIPE COMMENTS
CTH KR	693	521+50.00	45.0	RT	690.90	INLETS 4-FT DIAMETER	HM	3.72	---	P694	693	695	687.18	687.00	0.50	36	40	IV	15	---
CTH KR	695	521+50.00	1.0	RT	690.74	INLETS 4-FT DIAMETER	HM	3.74	---	P696	695	697	687.00	686.93	0.50	14	19	IV	15	---
CTH KR	697	521+50.00	13.0	LT	690.98	MANHOLES 5-FT DIAMETER	HM	4.80	---	P698	697	711	686.18	685.45	0.50	145	150	IV	24	---
---	---	---	---	---	---	---	---	--	---	P704	701	705	688.92	685.88	9.07	34	36	IV	18	---
CTH KR	705	520+08.20	45.0	LT	689.57	INLETS 4-FT DIAMETER	HM	3.69	---	P706	705	711	685.88	685.76	0.50	24	28	IV	18	---
CTH KR	707	520+00.00	45.0	RT	689.53	INLETS 4-FT DIAMETER	HM	3.27	---	P708	707	709	686.26	686.08	0.50	36	40	IV	15	---
CTH KR	709	520+00.00	1.0	RT	689.37	INLETS 4-FT DIAMETER	HM	3.29	---	P710	709	711	686.08	686.01	0.50	14	19	IV	15	---
CTH KR	711	520+00.00	13.4	LT	689.61	MANHOLES 5-FT DIAMETER	HM	4.16	---	P712	711	725	685.45	685.10	0.50	69	75	IV	24	---
---	---	---	---	---	---	---	---	--	---	P722	721	723	688.56	686.07	11.28	22	24	III	15	---
CTH KR	723	519+25.01	45.0	LT	689.36	INLETS 4-FT DIAMETER	HM	3.29	---	P724	723	725	686.07	685.86	1.00	21	27	IV	15	---
CTH KR	725	519+25.01	13.0	LT	689.44	MANHOLES 7-FT DIAMETER	HM	4.34	---	P726	725	731	685.10	684.86	0.40	59	66	IV	30	---
CTH KR	727	519+55.00	3.2	RT	689.27	INLETS 4-FT DIAMETER	HM	3.66	---	P728	727	729	685.61	685.39	0.50	44	48	IV	15	---
CTH KR	729	519+25.64	45.0	RT	689.36	INLETS 4-FT DIAMETER	HM	3.97	---	P730	729	731	685.39	685.26	0.50	26	31	IV	15	---
CTH KR	731	518+95.00	45.0	RT	689.38	MANHOLES 6-FT DIAMETER	HM	4.52	---	P732	731	733	684.86	684.76	0.40	24	27	IV	30	TO ENDWALL
CTH KR	751	534+50.07	56.5	LT	711.11	INLETS 4-FT DIAMETER	HM	6.22	---	P752	751	759	704.89	704.70	0.50	38	43	III	15	---

[1]DEPTH = RIM OR FLOW ELEV - LOWEST PIPE INVERT ELEVATION

[A] SLOPE CALCULATED BASED ON PIPE LENGTH. PIPE LENGTH REPRESENTS LENGTH OF PIPE MEASURED FROM INSIDE FACE OF STRUCTURE TO INSIDE FACE OF STRUCTURE

[B]PIPE LENGTH SHOWN FOR SLOPE CALCULATION ONLY. NOT INTENDED FOR PAY QUANTITY.

[C]PLAN LENGTH SHOWN FOR PAY QUANTITY.

STORM SEWER STRUCTURES										STORM SEWER PIPES										
ROADWAY	STRUCTURE NO.	STATION	OFFSET (FT)	LOCATION	RIM OR FLOW ELEV	STRUCTURE TYPE	INLET/MANHOLE COVERS TYPE	DEPTH[1] (FT)	STRUCTURE COMMENTS	PIPE ID	FROM STR	TO STR	INLET ELEV	DISCH ELEV	SLOPE[A] %	PIPE LENGTH[B] (FT)	PLAN LENGTH[C] (FT)	PIPE CLASS	PIPE SIZE (INCH)	PIPE COMMENTS
CTH KR	753	534+50.00	69.5	RT	710.92	INLETS 2x2.5-FT	V	5.88	---	P754	753	755	705.04	704.99	0.50	10	13	III	15	---
CTH KR	755	534+50.00	57.0	RT	711.11	INLETS 4-FT DIAMETER	HM	6.12	---	P756	755	757	704.99	704.79	0.50	40	44	III	15	---
CTH KR	757	534+50.00	9.0	RT	711.11	INLETS 4-FT DIAMETER	HM	6.32	---	P758	757	759	704.79	704.70	0.50	18	23	III	15	---
CTH KR	759	534+50.00	9.0	LT	711.11	MANHOLES 5-FT DIAMETER	HM	8.94	---	P760	759	771	702.17	694.82	3.00	245	250	III	24	---
CTH KR	761	537+00.03	50.4	LT	701.58	INLETS 4-FT DIAMETER	HM	6.21	---	P762	761	771	695.37	695.21	0.50	32	37	III	15	---
CTH KR	763	537+00.03	62.7	RT	701.41	INLETS 2x2.5-FT	V	5.89	---	P764	763	767	695.52	695.47	0.50	10	13	III	15	---
CTH KR	767	537+00.03	50.3	RT	701.58	INLETS 4-FT DIAMETER	HM	6.11	---	P768	767	769	695.47	695.30	0.50	33	37	III	15	---
CTH KR	769	537+00.00	9.0	RT	701.64	INLETS 4-FT DIAMETER	HM	6.34	---	P770	769	771	695.30	695.21	0.50	18	23	III	15	---
CTH KR	771	537+00.00	9.0	LT	701.63	MANHOLES 5-FT DIAMETER	HM	9.45	---	P772	771	801	692.18	684.83	3.00	245	250	III	24	---
CTH KR	791	539+50.03	46.0	LT	691.59	INLETS 4-FT DIAMETER	HM	6.19	---	P792	791	801	685.40	685.25	0.50	30	34	III	15	---
CTH KR	793	539+40.00	62.0	RT	691.75	INLETS 2x2.5-FT	V	6.19	---	P794	793	795	685.56	685.51	0.50	11	14	III	15	---
CTH KR	795	539+40.00	49.0	RT	691.99	INLETS 4-FT DIAMETER	V	6.48	---	P796	795	797	685.51	685.48	0.50	6	10	III	15	---
CTH KR	797	539+50.03	45.9	RT	691.59	INLETS 4-FT DIAMETER	HM	6.11	---	P798	797	799	685.48	685.33	0.50	30	34	III	15	---
CTH KR	799	539+50.00	10.0	RT	691.77	INLETS 4-FT DIAMETER	R-3517	6.44	---	P800	799	801	685.33	685.25	0.50	16	20	III	15	---
CTH KR	801	539+50.00	10.0	LT	691.77	MANHOLES 5-FT DIAMETER	R-3517	9.58	---	P802	801	827	682.19	674.84	3.00	245	250	III	24	---

[1]DEPTH = RIM OR FLOW ELEV - LOWEST PIPE INVERT ELEVATION

[A] SLOPE CALCULATED BASED ON PIPE LENGTH. PIPE LENGTH REPRESENTS LENGTH OF PIPE MEASURED FROM INSIDE FACE OF STRUCTURE TO INSIDE FACE OF STRUCTURE

[B]PIPE LENGTH SHOWN FOR SLOPE CALCULATION ONLY. NOT INTENDED FOR PAY QUANTITY.

[C]PLAN LENGTH SHOWN FOR PAY QUANTITY.

STORM SEWER STRUCTURES										STORM SEWER PIPES										
ROADWAY	STRUCTURE NO.	STATION	OFFSET (FT)	LOCATION	RIM OR FLOW ELEV	STRUCTURE TYPE	INLET/MANHOLE COVERS TYPE	DEPTH[1] (FT)	STRUCTURE COMMENTS	PIPE ID	FROM STR	TO STR	INLET ELEV	DISCH ELEV	SLOPE[A] %	PIPE LENGTH[B] (FT)	PLAN LENGTH[C] (FT)	PIPE CLASS	PIPE SIZE (INCH)	PIPE COMMENTS
CTH KR	803	542+00.00	45.0	LT	681.65	INLETS 4-FT DIAMETER	HM	5.99	---	P804	803	827	675.66	675.52	0.50	29	33	IV	15	---
CTH KR	811	539+63.82	70.8	RT	684.56	INLETS 4-FT DIAMETER	H	6.39	---	P812	811	813	678.17	678.08	0.50	19	23	III	15	---
CTH KR	813	539+69.82	96.8	RT	684.19	INLETS 4-FT DIAMETER	H	6.11	---	P814	813	817	678.08	677.64	0.50	88	92	III	15	---
CTH KR	815	540+86.13	93.0	RT	681.57	INLETS MEDIAN 1 GRATE	MS	3.00	---	P816	815	817	678.57	678.45	0.50	24	27	III	15	---
CTH KR	817	540+62.60	83.5	RT	685.89	INLETS 4-FT DIAMETER	H	8.25	---	P818	817	819	677.64	677.43	0.50	43	47	III	15	---
CTH KR	819	540+85.50	45.0	RT	686.09	INLETS 4-FT DIAMETER	HM	8.68	---	P820	819	823	677.41	676.17	1.35	92	96	III	15	---
CTH KR	821	541+81.24	71.2	RT	678.89	INLETS MEDIAN 1 GRATE	MS	3.00	---	P822	821	823	675.89	675.77	0.50	25	28	III	15	---
CTH KR	823	541+81.41	45.0	RT	682.28	INLETS 4-FT DIAMETER	HM	6.51	---	P824	823	825	675.77	675.60	0.50	34	38	III	15	---
CTH KR	825	542+00.00	10.0	RT	681.85	INLETS 4-FT DIAMETER	R-3517	6.25	---	P826	825	827	675.60	675.52	0.50	16	20	III	15	---
CTH KR	827	542+00.00	10.0	LT	681.85	MANHOLES 5-FT DIAMETER	R-3517	7.61	---	P828	827	835	674.24	671.54	3.00	90	95	III	24	---
CTH KR	831	542+93.75	63.6	RT	676.79	INLETS MEDIAN 1 GRATE	MS	4.33	---	P832	831	833	672.46	672.21	0.50	50	54	III	15	---
CTH KR	833	542+95.03	10.0	RT	678.50	INLETS 4-FT DIAMETER	R-3517	6.29	---	P834	833	835	672.21	672.13	0.50	16	20	IV	15	---
CTH KR	835	542+95.03	10.0	LT	678.50	MANHOLES 5-FT DIAMETER	R-3517	7.12	---	P836	835	849	671.38	666.88	3.00	150	155	III	24	---
CTH KR	841	544+50.00	45.0	LT	673.74	INLETS 4-FT DIAMETER	HM	6.28	---	P842	841	849	667.46	667.32	0.50	29	33	III	15	---
CTH KR	843	543+90.34	57.3	RT	675.02	INLETS MEDIAN 1 GRATE	MS	4.23	---	P844	843	845	670.79	669.05	3.00	58	61	III	15	---

[1]DEPTH = RIM OR FLOW ELEV - LOWEST PIPE INVERT ELEVATION

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[B]PIPE LENGTH SHOWN FOR SLOPE CALCULATION ONLY. NOT INTENDED FOR PAY QUANTITY.

[C]PLAN LENGTH SHOWN FOR PAY QUANTITY.

STORM SEWER STRUCTURES										STORM SEWER PIPES										
ROADWAY	STRUCTURE NO.	STATION	OFFSET (FT)	LOCATION	RIM OR FLOW ELEV	STRUCTURE TYPE	INLET/MANHOLE COVERS TYPE	DEPTH[1] (FT)	STRUCTURE COMMENTS	PIPE ID	FROM STR	TO STR	INLET ELEV	DISCH ELEV	SLOPE[A] %	PIPE LENGTH[B] (FT)	PLAN LENGTH[C] (FT)	PIPE CLASS	PIPE SIZE (INCH)	PIPE COMMENTS
CTH KR	845	544+50.00	45.0	RT	673.66	INLETS 4-FT DIAMETER	HM	6.11	---	P846	845	847	667.55	667.40	0.50	29	33	III	15	---
CTH KR	847	544+50.00	10.0	RT	673.94	INLETS 4-FT DIAMETER	R-3517	6.54	---	P848	847	849	667.40	667.32	0.50	16	20	III	15	---
CTH KR	849	544+50.00	10.0	LT	673.94	MANHOLES 5-FT DIAMETER	R-3517	7.41	---	P850	849	871	666.53	664.14	2.00	120	125	III	24	---
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CTH KR	861	545+75.08	45.0	LT	670.90	INLETS 4-FT DIAMETER	HM	6.48	---	P862	861	871	664.42	664.14	1.00	28	33	III	24	---
CTH KR	863	545+51.25	66.9	RT	668.96	INLETS MEDIAN 1 GRATE	MS	3.55	---	P864	863	865	665.41	665.22	0.50	38	41	III	15	---
CTH KR	865	545+92.10	65.4	RT	668.59	INLETS MEDIAN 1 GRATE	MS	3.37	---	P866	865	867	665.22	665.12	0.50	20	23	III	15	---
CTH KR	867	545+85.81	45.0	RT	670.61	INLETS 4-FT DIAMETER	HM	5.49	---	P868	867	869	665.12	664.97	0.50	30	34	IV	15	---
CTH KR	869	545+79.13	10.0	RT	671.02	INLETS 4-FT DIAMETER	R-3517	6.05	---	P870	869	871	664.97	664.89	0.50	15	20	IV	15	---
CTH KR	871	545+75.08	10.0	LT	671.10	MANHOLES 6-FT DIAMETER	R-3517	7.58	---	P872	871	891	663.52	661.14	2.00	119	125	HE-III	29x45	---
CTH KR	881	547+00.00	45.0	LT	668.81	INLETS 4-FT DIAMETER	HM	6.29	---	P882	881	891	662.52	662.38	0.50	28	33	III	15	---
CTH KR	883	547+98.73	60.8	RT	667.02	INLETS MEDIAN 1 GRATE	MS	3.00	---	P884	883	885	664.02	663.71	0.50	62	65	III	15	---
CTH KR	885	547+33.77	61.0	RT	667.59	INLETS MEDIAN 1 GRATE	MS	3.88	---	P886	885	887	663.71	663.54	0.50	35	38	III	15	---
CTH KR	887	547+00.00	45.0	RT	668.72	INLETS 4-FT DIAMETER	HM	6.11	---	P888	887	889	662.61	662.46	0.50	29	33	III	15	---
CTH KR	889	547+00.00	10.0	RT	669.01	INLETS 4-FT DIAMETER	R-3517	6.55	---	P890	889	891	662.46	662.38	0.50	15	20	III	15	---

[1]DEPTH = RIM OR FLOW ELEV - LOWEST PIPE INVERT ELEVATION

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[B]PIPE LENGTH SHOWN FOR SLOPE CALCULATION ONLY. NOT INTENDED FOR PAY QUANTITY.

[C]PLAN LENGTH SHOWN FOR PAY QUANTITY.

STORM SEWER STRUCTURES										STORM SEWER PIPES										
ROADWAY	STRUCTURE NO.	STATION	OFFSET (FT)	LOCATION	RIM OR FLOW ELEV	STRUCTURE TYPE	INLET/MANHOLE COVERS TYPE	DEPTH[1] (FT)	STRUCTURE COMMENTS	PIPE ID	FROM STR	TO STR	INLET ELEV	DISCH ELEV	SLOPE[A] %	PIPE LENGTH[B] (FT)	PLAN LENGTH[C] (FT)	PIPE CLASS	PIPE SIZE (INCH)	PIPE COMMENTS
CTH KR	891	547+00.00	10.0	LT	669.01	MANHOLES 6-FT DIAMETER	R-3517	8.96	---	P892	891	895	660.05	659.40	0.55	119	125	HE-III	29x45	---
CTH KR	893	548+25.00	10.0	RT	667.65	INLETS 4-FT DIAMETER	R-3517	6.15	---	P894	893	895	661.50	661.42	0.50	15	20	III	15	---
CTH KR	895	548+25.00	10.0	LT	667.65	MANHOLES 6-FT DIAMETER	R-3517	8.25	---	P896	895	927	659.40	658.76	0.55	117	124	HE-III	29x45	---
CTH KR	901	548+85.00	62.9	RT	665.71	INLETS MEDIAN 1 GRATE	MS	4.97	---	P902	901	905	660.74	660.42	0.50	65	68	III	15	---
CTH KR	903	549+73.73	60.8	RT	665.67	INLETS MEDIAN 1 GRATE	MS	5.12	---	P904	903	905	660.55	660.42	0.50	26	30	III	15	---
CTH KR	905	549+50.00	45.0	RT	666.53	INLETS 4-FT DIAMETER	HM	6.11	---	P906	905	907	660.42	660.27	0.50	29	33	III	15	---
CTH KR	907	549+49.96	10.0	RT	666.81	INLETS 4-FT DIAMETER	R-3517	6.54	---	P908	907	927	660.27	660.20	0.50	14	20	III	15	---
CTH KR	911	552+00.00	45.0	LT	664.95	INLETS 4-FT DIAMETER	HM	4.91	---	P912	911	921	660.04	659.90	0.50	29	33	IV	15	---
CTH KR	913	551+35.01	62.8	RT	664.10	INLETS MEDIAN 1 GRATE	MS	3.66	---	P914	913	915	660.44	660.24	0.50	40	43	III	15	---
CTH KR	915	551+77.72	64.4	RT	663.43	INLETS MEDIAN 1 GRATE	MS	3.19	---	P916	915	917	660.24	660.15	0.50	18	22	III	15	---
CTH KR	917	551+80.93	45.0	RT	664.99	INLETS 4-FT DIAMETER	HM	4.84	---	P918	917	919	660.15	659.98	0.50	34	38	IV	15	---
CTH KR	919	552+00.00	10.0	RT	665.15	INLETS 4-FT DIAMETER	R-3517	5.17	---	P920	919	921	659.98	659.90	0.50	16	20	IV	15	---
CTH KR	921	552+00.00	10.0	LT	665.15	MANHOLES 5-FT DIAMETER	R-3517	5.25	---	P922	921	925	659.90	659.54	0.30	120	125	IV	24	---
CTH KR	923	550+75.00	10.0	RT	665.98	INLETS 4-FT DIAMETER	R-3517	5.61	---	P924	923	925	660.37	660.29	0.50	16	20	IV	15	---
CTH KR	925	550+75.00	10.0	LT	665.98	MANHOLES 5-FT DIAMETER	R-3517	6.44	---	P926	925	927	659.54	659.18	0.30	119	126	IV	24	---

[1]DEPTH = RIM OR FLOW ELEV - LOWEST PIPE INVERT ELEVATION

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[B]PIPE LENGTH SHOWN FOR SLOPE CALCULATION ONLY. NOT INTENDED FOR PAY QUANTITY.

[C]PLAN LENGTH SHOWN FOR PAY QUANTITY.

STORM SEWER STRUCTURES										STORM SEWER PIPES										
ROADWAY	STRUCTURE NO.	STATION	OFFSET (FT)	LOCATION	RIM OR FLOW ELEV	STRUCTURE TYPE	INLET/MANHOLE COVERS TYPE	DEPTH[1] (FT)	STRUCTURE COMMENTS	PIPE ID	FROM STR	TO STR	INLET ELEV	DISCH ELEV	SLOPE[A] %	PIPE LENGTH[B] (FT)	PLAN LENGTH[C] (FT)	PIPE CLASS	PIPE SIZE (INCH)	PIPE COMMENTS
CTH KR	927	549+49.05	10.0	LT	666.81	MANHOLES 8-FT DIAMETER	R-3517	8.05	---	P928	927	929	658.76	658.68	0.30	25	32	HE-III	29x45	---
CTH KR	929	549+49.01	45.0	LT	666.61	MANHOLES 6-FT DIAMETER	HM	7.93	---	P930	929	931	658.68	657.70	0.30	329	332	HE-IV	29x45	TO ENDWALL
CTH KR	941	553+13.29	62.3	RT	663.20	INLETS MEDIAN 2 GRATE	MS	5.47	---	P942	941	943	657.73	657.59	0.50	28	32	III	18	---
CTH KR	943	553+38.38	45.0	RT	663.95	INLETS 4-FT DIAMETER	HM	6.36	---	P944	943	945	657.59	657.45	0.50	29	33	III	18	---
CTH KR	945	553+38.38	10.0	RT	664.23	INLETS 4-FT DIAMETER	R-3517	6.78	---	P946	945	947	657.45	657.37	0.50	16	20	III	18	---
CTH KR	947	553+38.40	10.0	LT	664.23	MANHOLES 5-FT DIAMETER	R-3517	7.36	---	P948	947	961	656.87	656.34	0.50	106	112	III	24	---
CTH KR	951	553+05.77	217.7	LT	660.00	POND OUTLET STRUCTURE	---	3.00	POND N OUTLET STORM SEWER STRUCTURE. SEE CONSTRUCTION DETAIL.	P952	951	961	657.00	656.22	0.32	246	252	III	21	---
CTH KR	953	554+65.06	57.5	LT	663.40	INLETS MEDIAN 1 GRATE	MS	6.44	---	P954	953	955	656.96	656.90	0.50	11	15	III	15	---
CTH KR	955	554+65.18	45.0	LT	663.21	INLETS 4-FT DIAMETER	HM	6.31	---	P956	955	961	656.90	656.75	0.50	30	35	III	15	---
CTH KR	957	554+50.00	49.0	RT	663.20	INLETS 4-FT DIAMETER	HM	6.21	---	P958	957	959	656.99	656.83	0.50	33	37	III	15	---
CTH KR	959	554+50.00	10.0	RT	663.48	INLETS 4-FT DIAMETER	R-3517	6.65	---	P960	959	961	656.83	656.75	0.50	16	21	III	15	---
CTH KR	961	554+50.00	11.0	LT	663.48	MANHOLES 7-FT DIAMETER	R-3517	7.98	---	P962	961	977	655.50	654.63	0.45	194	200	III	30	---
CTH KR	969	556+50.00	45.0	LT	662.03	INLETS 4-FT DIAMETER	HM	6.03	---	P970	969	977	656.00	655.88	0.50	24	29	IV	15	---
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CTH KR	973	556+50.00	49.0	RT	661.99	INLETS 4-FT DIAMETER	HM	6.10	---	P974	973	975	655.89	655.73	0.50	33	37	IV	15	---

[1]DEPTH = RIM OR FLOW ELEV - LOWEST PIPE INVERT ELEVATION

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[B]PIPE LENGTH SHOWN FOR SLOPE CALCULATION ONLY. NOT INTENDED FOR PAY QUANTITY.

[C]PLAN LENGTH SHOWN FOR PAY QUANTITY.

STORM SEWER STRUCTURES										STORM SEWER PIPES										
ROADWAY	STRUCTURE NO.	STATION	OFFSET (FT)	LOCATION	RIM OR FLOW ELEV	STRUCTURE TYPE	INLET/MANHOLE COVERS TYPE	DEPTH[1] (FT)	STRUCTURE COMMENTS	PIPE ID	FROM STR	TO STR	INLET ELEV	DISCH ELEV	SLOPE[A] %	PIPE LENGTH[B] (FT)	PLAN LENGTH[C] (FT)	PIPE CLASS	PIPE SIZE (INCH)	PIPE COMMENTS
CTH KR	975	556+50.00	10.0	RT	662.15	INLETS 4-FT DIAMETER	R-3517	6.42	---	P976	975	977	655.73	655.63	0.50	19	24	IV	15	---
CTH KR	977	556+50.00	14.0	LT	662.15	MANHOLES 6-FT DIAMETER	R-3517	7.52	---	P978	977	989	654.63	654.36	0.45	59	65	IV	30	---
CTH KR	981	557+14.99	56.8	LT	661.97	INLETS MEDIAN 2 GRATE	MS	6.18	---	P982	981	989	655.79	655.61	0.50	37	41	III	15	---
CTH KR	989	557+14.95	15.6	LT	661.77	MANHOLES 6-FT DIAMETER	J-SPECIAL	7.91	---	P990	989	1011	653.86	653.50	0.45	79	85	IV	36	---
CTH KR	999	557+86.25	57.9	LT	661.31	INLETS MEDIAN 1 GRATE	MS	5.87	---	P1000	999	1001	655.44	655.36	0.50	17	20	IV	15	---
CTH KR	1001	558+00.00	45.0	LT	661.04	INLETS 4-FT DIAMETER	HM	5.68	---	P1002	1001	1011	655.36	655.25	0.50	23	28	IV	15	---
---	---	---	---	---	---	---	---	--	---	P1004	1003	1005	659.10	655.23	6.40	61	63	IV	18	---
CTH KR	1005	558+00.00	45.0	RT	660.96	INLETS 4-FT DIAMETER	HM	5.73	---	P1006	1005	1007	655.23	655.09	0.50	28	32	IV	15	---
CTH KR	1007	558+00.00	9.0	RT	661.12	INLETS 4-FT DIAMETER	HM	6.03	---	P1008	1007	1009	655.09	655.04	0.50	10	14	IV	15	---
CTH KR	1009	558+00.00	1.0	LT	660.88	INLETS 4-FT DIAMETER	HM	5.84	---	P1010	1009	1011	655.04	655.00	0.50	7	12	IV	15	---
CTH KR	1011	558+00.00	15.0	LT	661.20	MANHOLES 6-FT DIAMETER	J-SPECIAL	7.70	---	P1012	1011	1015	653.50	653.28	0.45	50	56	IV	36	---
CTH KR	E1013	558+55.99	73.3	LT	660.98	---	---	---	---	P1014	E1013	1015	656.50	655.96	1.00	54	58	IV	15	---
CTH KR	1015	558+55.99	15.0	LT	660.82	MANHOLES 6-FT DIAMETER	J-SPECIAL	7.57	---	P1016	1015	1019	653.25	652.99	0.45	58	64	IV	36	---
CTH KR	1017	559+19.79	61.2	LT	659.26	INLETS MEDIAN 1 GRATE	MS	4.31	---	P1018	1017	1019	654.95	654.74	0.50	42	46	IV	15	---
CTH KR	1019	559+19.79	15.0	LT	660.43	MANHOLES 6-FT DIAMETER	J-SPECIAL	7.44	---	P1020	1019	1027	652.99	652.66	0.45	74	80	IV	36	---

[1]DEPTH = RIM OR FLOW ELEV - LOWEST PIPE INVERT ELEVATION

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[B]PIPE LENGTH SHOWN FOR SLOPE CALCULATION ONLY. NOT INTENDED FOR PAY QUANTITY.

[C]PLAN LENGTH SHOWN FOR PAY QUANTITY.

STORM SEWER STRUCTURES										STORM SEWER PIPES										
ROADWAY	STRUCTURE NO.	STATION	OFFSET (FT)	LOCATION	RIM OR FLOW ELEV	STRUCTURE TYPE	INLET/MANHOLE COVERS TYPE	DEPTH[1] (FT)	STRUCTURE COMMENTS	PIPE ID	FROM STR	TO STR	INLET ELEV	DISCH ELEV	SLOPE[A] %	PIPE LENGTH[B] (FT)	PLAN LENGTH[C] (FT)	PIPE CLASS	PIPE SIZE (INCH)	PIPE COMMENTS
CTH KR	1021	560+00.00	45.0	LT	659.83	INLETS 4-FT DIAMETER	HM	5.28	---	P1022	1021	1027	654.55	654.41	0.50	28	33	IV	15	---
CTH KR	1023	560+00.00	45.0	RT	659.81	INLETS 4-FT DIAMETER	HM	5.17	---	P1024	1023	1025	654.64	654.51	0.50	25	29	IV	15	---
CTH KR	1025	560+00.03	11.9	RT	659.91	INLETS 4-FT DIAMETER	HM	5.41	---	P1026	1025	1027	654.50	654.41	0.50	19	24	IV	15	---
CTH KR	1027	560+00.24	6.9	LT	659.79	MANHOLES 6-FT DIAMETER	HM	7.13	---	P1028	1027	1061	652.66	651.85	0.45	179	185	IV	36	---
CTH KR	1039	561+09.51	45.9	LT	659.24	INLETS 4-FT DIAMETER	HM	5.79	---	P1040	1039	1041	653.45	653.29	0.50	31	35	IV	15	---
CTH KR	1041	561+44.97	46.5	LT	659.10	INLETS 4-FT DIAMETER	HM	5.81	---	P1042	1041	1045	653.29	653.11	0.50	36	40	IV	15	---
CTH KR	1043	562+24.96	47.9	LT	659.11	INLETS 4-FT DIAMETER	HM	5.82	---	P1044	1043	1045	653.29	653.11	0.50	36	40	IV	15	---
CTH KR	1045	561+84.97	47.2	LT	659.05	INLETS 4-FT DIAMETER	HM	5.94	---	P1046	1045	1061	653.11	653.00	0.50	22	27	IV	15	---
CTH KR	1047	561+44.97	46.4	RT	659.10	INLETS 4-FT DIAMETER	HM	5.66	---	P1048	1047	1051	653.44	653.26	0.50	36	40	IV	15	---
CTH KR	1049	562+24.97	47.8	RT	659.11	INLETS 4-FT DIAMETER	HM	5.67	---	P1050	1049	1051	653.44	653.26	0.50	36	40	IV	15	---
CTH KR	1051	561+84.97	47.1	RT	659.05	INLETS 4-FT DIAMETER	HM	5.78	---	P1052	1051	1059	653.27	653.15	0.50	24	28	IV	15	---
CTH KR	1053	561+53.25	8.4	LT	659.04	INLETS 4-FT DIAMETER	HM	5.68	---	P1054	1053	1055	653.36	653.28	0.50	15	19	IV	15	---
CTH KR	1055	561+53.79	7.4	RT	659.02	INLETS 4-FT DIAMETER	HM	5.74	---	P1056	1055	1059	653.28	653.14	0.50	29	33	IV	15	---
CTH KR	1057	562+25.03	15.8	RT	659.19	INLETS 4-FT DIAMETER	HM	5.87	---	P1058	1057	1059	653.32	653.14	0.50	36	40	IV	15	---
CTH KR	1059	561+85.03	15.1	RT	659.13	INLETS 4-FT DIAMETER	HM	5.98	---	P1060	1059	1061	653.15	653.00	0.50	30	35	IV	15	---

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[B]PIPE LENGTH SHOWN FOR SLOPE CALCULATION ONLY. NOT INTENDED FOR PAY QUANTITY.

[C]PLAN LENGTH SHOWN FOR PAY QUANTITY.

STORM SEWER STRUCTURES										STORM SEWER PIPES										
ROADWAY	STRUCTURE NO.	STATION	OFFSET (FT)	LOCATION	RIM OR FLOW ELEV	STRUCTURE TYPE	INLET/MANHOLE COVERS TYPE	DEPTH[1] (FT)	STRUCTURE COMMENTS	PIPE ID	FROM STR	TO STR	INLET ELEV	DISCH ELEV	SLOPE[A] %	PIPE LENGTH[B] (FT)	PLAN LENGTH[C] (FT)	PIPE CLASS	PIPE SIZE (INCH)	PIPE COMMENTS
CTH KR	1061	561+85.05	15.2	LT	659.13	MANHOLES 6-FT DIAMETER	HM	7.28	---	P1062	1061	1067	651.85	651.25	0.45	134	140	IV	36	---
CTH KR	1063	563+24.97	49.6	RT	659.58	INLETS 4-FT DIAMETER	HM	6.10	---	P1064	1063	1065	653.48	653.33	0.50	29	33	III	15	---
CTH KR	1065	563+24.91	12.9	RT	659.57	INLETS 4-FT DIAMETER	HM	6.24	---	P1066	1065	1067	653.33	653.20	0.50	26	31	III	15	---
CTH KR	1067	563+24.89	13.6	LT	659.58	MANHOLES 6-FT DIAMETER	HM	8.33	---	P1068	1067	1073	651.25	650.72	0.45	119	125	III	36	---
CTH KR	1071	564+50.03	58.5	LT	660.05	INLETS 4-FT DIAMETER	HM	6.11	---	P1072	1071	1073	653.94	653.75	0.50	38	44	III	15	---
CTH KR	1073	564+49.95	9.3	LT	660.09	MANHOLES 7-FT DIAMETER	HM	9.87	---	P1074	1073	1075	650.22	650.14	0.45	17	23	III	42	---
CTH KR	1075	564+50.04	7.6	RT	660.05	MANHOLES 6-FT DIAMETER	HM	9.91	---	P1076	1075	1077	650.14	649.97	0.45	37	43	III	42	---
CTH KR	1077	564+50.00	56.8	RT	660.08	MANHOLES 6-FT DIAMETER	HM	10.11	---	P1078	1077	1079	649.97	649.91	0.45	13	19	III	42	---
CTH KR	1079	564+50.00	72.9	RT	660.18	MANHOLES 7-FT DIAMETER	J-SPECIAL	10.27	---	P1080	1079	1081	649.91	649.31	0.45	134	138	IV	42	TO ENDWALL
CTH KR	1101	569+50.03	50.3	LT	661.22	INLETS 4-FT DIAMETER	HM	3.89	---	P1102	1101	1107	657.33	657.20	0.50	25	29	IV	15	---
CTH KR	1103	569+95.00	49.5	LT	661.14	INLETS 4-FT DIAMETER	HM	3.61	---	P1104	1103	1105	657.53	657.41	0.50	24	28	IV	15	---
CTH KR	1105	569+95.00	17.5	LT	661.22	INLETS 4-FT DIAMETER	HM	3.81	---	P1106	1105	1107	657.41	657.20	0.50	41	45	IV	15	---
CTH KR	1107	569+50.09	17.1	LT	661.28	INLETS 4-FT DIAMETER	HM	4.08	---	P1108	1107	1109	657.20	657.03	0.50	34	38	IV	15	---
CTH KR	1109	569+52.94	16.4	RT	661.26	INLETS 4-FT DIAMETER	HM	4.23	---	P1110	1109	1111	657.03	656.90	0.50	26	30	IV	15	---
CTH KR	1111	569+53.17	50.1	RT	661.21	INLETS 4-FT DIAMETER	HM	4.31	---	P1112	1111	1113	656.90	656.72	0.50	36	38	IV	15	TO ENDWALL

[1]DEPTH = RIM OR FLOW ELEV - LOWEST PIPE INVERT ELEVATION

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[C]PLAN LENGTH SHOWN FOR PAY QUANTITY.

STORM SEWER STRUCTURES										STORM SEWER PIPES										
ROADWAY	STRUCTURE NO.	STATION	OFFSET (FT)	LOCATION	RIM OR FLOW ELEV	STRUCTURE TYPE	INLET/MANHOLE COVERS TYPE	DEPTH[1] (FT)	STRUCTURE COMMENTS	PIPE ID	FROM STR	TO STR	INLET ELEV	DISCH ELEV	SLOPE[A] %	PIPE LENGTH[B] (FT)	PLAN LENGTH[C] (FT)	PIPE CLASS	PIPE SIZE (INCH)	PIPE COMMENTS
CTH KR	1115	570+50.03	48.6	LT	661.30	INLETS 4-FT DIAMETER	HM	3.98	---	P1116	1115	1117	657.32	657.20	0.50	24	28	IV	15	---
CTH KR	1117	570+49.97	16.6	LT	661.38	INLETS 4-FT DIAMETER	HM	4.18	---	P1118	1117	1121	657.20	657.08	0.50	24	28	IV	15	---
CTH KR	1119	570+10.00	10.8	RT	661.11	INLETS 4-FT DIAMETER	HM	3.85	---	P1120	1119	1121	657.26	657.08	0.50	36	40	III	15	---
CTH KR	1121	570+49.81	7.0	RT	661.19	INLETS 4-FT DIAMETER	HM	4.11	---	P1122	1121	1125	657.08	656.88	0.50	39	43	IV	15	---
CTH KR	1123	570+10.00	51.9	RT	661.10	INLETS 4-FT DIAMETER	HM	4.04	---	P1124	1123	1125	657.06	656.88	0.50	36	40	III	15	---
CTH KR	1125	570+49.87	54.4	RT	661.18	INLETS 4-FT DIAMETER	HM	4.30	---	P1126	1125	1127	656.88	656.72	0.50	32	34	IV	15	TO ENDWALL
CTH KR	1141	602+25.00	0.2	RT	703.23	INLETS 4-FT DIAMETER	HM	6.11	---	P1142	1141	1143	697.12	696.98	0.50	29	33	III	15	---
CTH KR	1143	602+25.00	38.0	RT	703.23	MANHOLES 5-FT DIAMETER	HM	7.00	---	P1144	1143	1145	696.23	695.76	0.50	95	100	III	24	---
CTH KR	1145	601+25.00	36.8	RT	702.68	MANHOLES 5-FT DIAMETER	HM	6.92	---	P1146	1145	1151	695.76	695.43	0.50	65	70	III	24	---
CTH KR	1147	601+25.00	3.3	LT	702.68	INLETS 4-FT DIAMETER	HM	5.51	---	P1148	1147	1149	697.17	696.84	0.50	66	70	III	15	---
CTH KR	1149	600+55.00	6.7	LT	702.51	INLETS 4-FT DIAMETER	HM	5.67	---	P1150	1149	1151	696.84	696.68	0.50	33	37	III	15	---
CTH KR	1151	600+55.00	35.2	RT	702.51	MANHOLES 5-FT DIAMETER	HM	7.08	---	P1152	1151	1157	695.43	695.08	0.50	70	75	III	24	---
CTH KR	1155	599+80.74	10.5	LT	702.71	INLETS 4-FT DIAMETER	HM	6.92	---	P1156	1155	1157	695.79	695.61	0.50	36	40	III	24	---
CTH KR	1157	599+80.16	34.3	RT	702.70	MANHOLES 5-FT DIAMETER	HM	8.12	---	P1158	1157	1173	694.58	693.58	0.50	200	205	III	30	---
---	---	---	---	---	---	---	---	--	---	PE1160	---	E1165	---	---	---	---	---	---	15	EXIST PIPE INTERPOL ELEV

[1]DEPTH = RIM OR FLOW ELEV - LOWEST PIPE INVERT ELEVATION

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STORM SEWER STRUCTURES										STORM SEWER PIPES										
ROADWAY	STRUCTURE NO.	STATION	OFFSET (FT)	LOCATION	RIM OR FLOW ELEV	STRUCTURE TYPE	INLET/MANHOLE COVERS TYPE	DEPTH[1] (FT)	STRUCTURE COMMENTS	PIPE ID	FROM STR	TO STR	INLET ELEV	DISCH ELEV	SLOPE[A] %	PIPE LENGTH[B] (FT)	PLAN LENGTH[C] (FT)	PIPE CLASS	PIPE SIZE (INCH)	PIPE COMMENTS
---	---	---	---	---	---	---	---	--	---	PE1162	---	1163	---	700.10	---	---	---	---	15	EXIST PIPE INTERPOL ELEV
VICKSBURG DRIVE	1163	900+72.16	18.0	LT	703.90	CATCH BASINS 2x3-FT	H	3.80	---	P1164	1163	E1165	700.10	700.06	0.96	5	8	III	15	---
VICKSBURG DRIVE	E1165	900+71.02	9.4	LT	704.01	---	---	---	---	P1166	E1165	1167	700.06	699.96	0.43	24	27	III	15	---
VICKSBURG DRIVE	1167	900+71.36	18.1	RT	703.77	CATCH BASINS 2x3-FT	H	3.81	---	PE1168	1167	---	699.96	---	---	---	---	---	15	EXIST PIPE INTERPOL ELEV
CTH KR	1171	597+75.00	21.1	LT	704.32	INLETS 4-FT DIAMETER	HM	6.11	---	P1172	1171	1173	698.21	697.99	0.50	44	49	III	15	---
CTH KR	1173	597+75.00	32.0	RT	704.32	MANHOLES 5-FT DIAMETER	HM	10.74	---	P1174	1173	1187	693.58	692.46	0.50	224	229	III	30	---
---	---	---	---	---	---	---	---	--	---	P1176	1175	1177	702.92	702.83	0.30	29	31	III	15	---
CTH KR	1177	595+46.74	26.4	LT	705.90	INLETS 4-FT DIAMETER	HM	6.11	---	P1178	1177	1179	699.79	699.71	0.50	16	20	III	15	---
CTH KR	1179	595+45.65	2.6	LT	706.14	INLETS 4-FT DIAMETER	HM	6.43	---	P1180	1179	1181	699.71	699.64	0.50	13	17	III	15	---
CTH KR	1181	595+45.78	10.7	RT	706.20	INLETS 4-FT DIAMETER	HM	6.56	---	P1182	1181	1187	699.64	699.52	0.50	24	28	III	15	---
CTH KR	1183	596+19.55	75.9	RT	704.98	INLETS MEDIAN 1 GRATE	MS	3.98	---	P1184	1183	1185	701.00	700.53	1.00	47	50	III	18	---
CTH KR	1185	595+69.62	76.4	RT	704.36	INLETS MEDIAN 2 GRATE	MS	3.84	---	P1186	1185	1187	700.52	700.15	1.00	37	42	III	18	---
CTH KR	1187	595+46.50	43.6	RT	705.67	MANHOLES 5-FT DIAMETER	HM	13.21	---	P1188	1187	1193	692.46	691.84	0.50	123	128	III	30	---
CTH KR	1191	594+24.96	62.4	RT	704.69	INLETS MEDIAN 1 GRATE	MS	4.19	---	P1192	1191	1193	700.50	700.21	0.50	59	62	III	15	---
CTH KR	1193	594+25.00	0.0	RT	707.14	MANHOLES 5-FT DIAMETER	J-SPECIAL	15.30	---	P1194	1193	1207	691.84	689.89	1.00	195	200	III	30	---

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STORM SEWER STRUCTURES										STORM SEWER PIPES										
ROADWAY	STRUCTURE NO.	STATION	OFFSET (FT)	LOCATION	RIM OR FLOW ELEV	STRUCTURE TYPE	INLET/MANHOLE COVERS TYPE	DEPTH[1] (FT)	STRUCTURE COMMENTS	PIPE ID	FROM STR	TO STR	INLET ELEV	DISCH ELEV	SLOPE[A] %	PIPE LENGTH[B] (FT)	PLAN LENGTH[C] (FT)	PIPE CLASS	PIPE SIZE (INCH)	PIPE COMMENTS
CTH KR	1201	592+25.23	35.7	LT	705.64	INLETS 4-FT DIAMETER	HM	6.91	---	P1202	1201	1207	698.73	698.64	0.50	18	23	III	15	---
CTH KR	1203	592+24.91	45.0	RT	704.98	INLETS 4-FT DIAMETER	HM	6.11	---	P1204	1203	1205	698.87	698.75	0.50	24	28	III	15	---
CTH KR	1205	592+24.97	13.0	RT	705.54	INLETS 4-FT DIAMETER	HM	6.79	---	P1206	1205	1207	698.75	698.64	0.50	22	26	III	15	---
CTH KR	1207	592+25.22	8.7	LT	705.46	MANHOLES 5-FT DIAMETER	HM	15.57	---	P1208	1207	1221	689.89	687.94	1.00	195	200	III	30	---
---	---	---	---	---	---	---	---	--	---	P1212	1211	1213	701.24	697.86	4.09	83	85	III	15	---
CTH KR	1213	590+31.98	79.5	LT	703.80	INLETS 4-FT DIAMETER	HM	6.11	---	P1214	1213	1215	697.69	697.54	0.50	30	34	III	15	---
CTH KR	1215	590+25.33	46.0	LT	704.46	INLETS 4-FT DIAMETER	HM	6.93	---	P1216	1215	1221	697.53	697.35	0.50	36	40	III	15	---
CTH KR	1217	590+25.00	45.0	RT	704.28	INLETS 4-FT DIAMETER	HM	6.74	---	P1218	1217	1219	697.54	697.42	0.50	24	28	III	15	---
CTH KR	1219	590+25.00	13.0	RT	704.54	INLETS 4-FT DIAMETER	HM	7.12	---	P1220	1219	1221	697.42	697.35	0.50	14	19	III	15	---
CTH KR	1221	590+25.00	1.0	LT	704.30	MANHOLES 5-FT DIAMETER	HM	16.36	---	P1222	1221	1236	687.94	686.23	1.00	171	176	III	30	---
CTH KR	1231	588+50.00	45.0	LT	703.01	INLETS 4-FT DIAMETER	HM	6.23	---	P1232	1231	1236	696.78	696.67	0.50	23	28	III	15	---
CTH KR	1233	588+50.00	1.0	RT	702.85	INLETS 4-FT DIAMETER	HM	6.11	---	P1234	1233	1236	696.74	696.67	0.50	14	19	III	15	---
CTH KR	1236	588+50.00	13.0	LT	703.09	MANHOLES 5-FT DIAMETER	HM	16.86	---	P1237	1236	1251	686.23	685.28	1.00	95	100	III	30	---
CTH KR	1241	587+50.00	45.0	LT	700.76	INLETS 4-FT DIAMETER	HM	6.59	---	P1242	1241	1251	694.17	694.06	0.50	23	28	III	15	---
CTH KR	1243	588+14.45	46.8	RT	702.23	INLETS 4-FT DIAMETER	HM	7.26	---	P1244	1243	1245	694.97	694.91	1.00	6	10	III	15	---

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[C]PLAN LENGTH SHOWN FOR PAY QUANTITY.

STORM SEWER STRUCTURES										STORM SEWER PIPES										
ROADWAY	STRUCTURE NO.	STATION	OFFSET (FT)	LOCATION	RIM OR FLOW ELEV	STRUCTURE TYPE	INLET/MANHOLE COVERS TYPE	DEPTH[1] (FT)	STRUCTURE COMMENTS	PIPE ID	FROM STR	TO STR	INLET ELEV	DISCH ELEV	SLOPE[A] %	PIPE LENGTH[B] (FT)	PLAN LENGTH[C] (FT)	PIPE CLASS	PIPE SIZE (INCH)	PIPE COMMENTS
CTH KR	1245	588+12.97	52.9	RT	702.00	INLETS 4-FT DIAMETER	HM	7.04	---	P1246	1245	1247	694.96	694.38	1.00	58	62	III	15	---
CTH KR	1247	587+50.00	58.5	RT	700.49	INLETS 4-FT DIAMETER	HM	6.11	---	P1248	1247	1249	694.38	694.13	0.50	50	54	III	15	---
CTH KR	1249	587+50.00	1.0	RT	700.60	INLETS 4-FT DIAMETER	HM	6.47	---	P1250	1249	1251	694.13	694.06	0.50	14	19	III	15	---
CTH KR	1251	587+50.00	13.0	LT	700.84	MANHOLES 5-FT DIAMETER	HM	15.56	---	P1252	1251	1267	685.28	683.33	1.00	195	200	III	30	---
CTH KR	1261	585+50.00	45.0	LT	693.34	INLETS 4-FT DIAMETER	HM	6.45	---	P1262	1261	1267	686.89	686.78	0.50	23	28	III	15	---
CTH KR	1263	585+50.00	53.0	RT	693.18	INLETS 4-FT DIAMETER	HM	6.11	---	P1264	1263	1265	687.07	686.85	0.50	44	48	III	15	---
CTH KR	1265	585+50.00	1.0	RT	693.18	INLETS 4-FT DIAMETER	HM	6.33	---	P1266	1265	1267	686.85	686.78	0.50	14	19	III	15	---
CTH KR	1267	585+50.00	13.0	LT	693.42	MANHOLES 5-FT DIAMETER	HM	10.09	---	P1268	1267	1277	683.33	677.49	3.00	195	200	III	30	---
CTH KR	1271	583+50.00	45.0	LT	685.34	INLETS 4-FT DIAMETER	HM	6.24	---	P1272	1271	1277	679.10	678.98	0.50	23	28	III	15	---
CTH KR	1273	583+50.00	45.0	RT	685.34	INLETS 4-FT DIAMETER	HM	6.11	---	P1274	1273	1275	679.23	679.10	0.50	26	30	III	15	---
CTH KR	1275	583+50.00	11.1	RT	685.38	INLETS 4-FT DIAMETER	HM	6.28	---	P1276	1275	1277	679.10	678.98	0.50	24	29	III	15	---
CTH KR	1277	583+50.00	13.0	LT	685.42	MANHOLES 5-FT DIAMETER	HM	9.34	---	P1278	1277	1287	676.08	668.74	3.00	245	250	III	30	---
CTH KR	1281	581+00.00	45.0	LT	676.35	INLETS 4-FT DIAMETER	HM	6.25	---	P1282	1281	1287	670.10	669.99	0.50	23	28	III	15	---
CTH KR	1283	581+00.00	45.0	RT	676.35	INLETS 4-FT DIAMETER	HM	6.11	---	P1284	1283	1285	670.24	670.12	0.50	24	28	III	15	---
CTH KR	1285	581+00.00	13.0	RT	676.43	INLETS 4-FT DIAMETER	HM	6.31	---	P1286	1285	1287	670.12	669.99	0.50	26	31	III	15	---

[1]DEPTH = RIM OR FLOW ELEV - LOWEST PIPE INVERT ELEVATION

[A] SLOPE CALCULATED BASED ON PIPE LENGTH. PIPE LENGTH REPRESENTS LENGTH OF PIPE MEASURED FROM INSIDE FACE OF STRUCTURE TO INSIDE FACE OF STRUCTURE

[B]PIPE LENGTH SHOWN FOR SLOPE CALCULATION ONLY. NOT INTENDED FOR PAY QUANTITY.

[C]PLAN LENGTH SHOWN FOR PAY QUANTITY.

STORM SEWER STRUCTURES										STORM SEWER PIPES										
ROADWAY	STRUCTURE NO.	STATION	OFFSET (FT)	LOCATION	RIM OR FLOW ELEV	STRUCTURE TYPE	INLET/MANHOLE COVERS TYPE	DEPTH[1] (FT)	STRUCTURE COMMENTS	PIPE ID	FROM STR	TO STR	INLET ELEV	DISCH ELEV	SLOPE[A] %	PIPE LENGTH[B] (FT)	PLAN LENGTH[C] (FT)	PIPE CLASS	PIPE SIZE (INCH)	PIPE COMMENTS
CTH KR	1287	581+00.00	13.0	LT	676.43	MANHOLES 5-FT DIAMETER	HM	8.49	---	P1288	1287	1297	667.94	665.11	1.45	195	200	III	30	---
CTH KR	1291	579+00.00	53.0	LT	672.58	INLETS 4-FT DIAMETER	HM	5.90	---	P1292	1291	1297	666.68	666.47	0.50	43	48	III	15	---
CTH KR	1293	579+00.00	45.0	RT	672.74	INLETS 4-FT DIAMETER	HM	6.08	---	P1294	1293	1295	666.66	666.54	0.50	24	28	III	15	---
CTH KR	1295	579+00.00	13.0	RT	672.82	INLETS 4-FT DIAMETER	HM	6.28	---	P1296	1295	1297	666.54	666.47	0.50	14	19	III	15	---
CTH KR	1297	579+00.00	1.0	LT	672.58	MANHOLES 5-FT DIAMETER	HM	7.47	---	P1298	1297	1307	665.11	663.01	1.45	145	150	III	30	---
CTH KR	1301	577+50.00	53.5	LT	670.61	INLETS 4-FT DIAMETER	HM	5.88	---	P1302	1301	1307	664.73	664.51	0.50	43	48	III	15	---
CTH KR	1303	577+50.00	45.0	RT	670.78	INLETS 4-FT DIAMETER	HM	6.08	---	P1304	1303	1305	664.70	664.58	0.50	24	28	III	15	---
CTH KR	1305	577+50.00	13.0	RT	670.86	INLETS 4-FT DIAMETER	HM	6.28	---	P1306	1305	1307	664.58	664.51	0.50	14	19	III	15	---
CTH KR	1307	577+50.00	1.0	LT	670.62	MANHOLES 5-FT DIAMETER	HM	7.61	---	P1308	1307	1343	663.01	660.91	1.45	145	150	III	30	---
CTH KR	1311	576+21.46	82.5	LT	668.96	INLETS 4-FT DIAMETER	HM	6.45	---	P1312	1311	1315	662.51	662.42	0.50	19	23	IV	15	---
CTH KR	1313	575+80.68	70.1	LT	669.12	INLETS 4-FT DIAMETER	HM	6.59	---	P1314	1313	1315	662.53	662.42	0.50	22	26	IV	15	---
CTH KR	1315	576+05.70	61.2	LT	669.18	INLETS 4-FT DIAMETER	HM	6.76	---	P1316	1315	1323	662.42	662.34	0.50	16	20	IV	15	---
CTH KR	1317	575+23.67	69.0	LT	668.74	INLETS 4-FT DIAMETER	HM	6.04	---	P1318	1317	1319	662.70	662.67	0.50	6	10	IV	15	---
CTH KR	1319	575+29.35	67.0	LT	668.78	INLETS 4-FT DIAMETER	HM	6.11	---	P1320	1319	1321	662.67	662.45	0.50	44	48	IV	15	---
CTH KR	1321	575+72.99	45.1	LT	669.14	INLETS 4-FT DIAMETER	HM	6.69	---	P1322	1321	1323	662.45	662.34	0.50	23	27	IV	15	---

[1]DEPTH = RIM OR FLOW ELEV - LOWEST PIPE INVERT ELEVATION

[A] SLOPE CALCULATED BASED ON PIPE LENGTH. PIPE LENGTH REPRESENTS LENGTH OF PIPE MEASURED FROM INSIDE FACE OF STRUCTURE TO INSIDE FACE OF STRUCTURE

[B]PIPE LENGTH SHOWN FOR SLOPE CALCULATION ONLY. NOT INTENDED FOR PAY QUANTITY.

[C]PLAN LENGTH SHOWN FOR PAY QUANTITY.

STORM SEWER STRUCTURES										STORM SEWER PIPES										
ROADWAY	STRUCTURE NO.	STATION	OFFSET (FT)	LOCATION	RIM OR FLOW ELEV	STRUCTURE TYPE	INLET/MANHOLE COVERS TYPE	DEPTH[1] (FT)	STRUCTURE COMMENTS	PIPE ID	FROM STR	TO STR	INLET ELEV	DISCH ELEV	SLOPE[A] %	PIPE LENGTH[B] (FT)	PLAN LENGTH[C] (FT)	PIPE CLASS	PIPE SIZE (INCH)	PIPE COMMENTS
CTH KR	1323	575+99.94	45.8	LT	668.83	INLETS 4-FT DIAMETER	HM	6.49	---	P1324	1323	1343	662.34	662.16	0.50	36	40	III	15	---
CTH KR	1325	574+47.11	96.1	RT	667.64	INLETS 4-FT DIAMETER	HM	4.47	---	P1326	1325	1327	663.17	663.14	0.50	6	10	IV	15	---
CTH KR	1327	574+52.68	98.3	RT	667.75	INLETS 4-FT DIAMETER	HM	4.61	---	P1328	1327	1331	663.14	663.04	0.50	19	23	IV	15	---
CTH KR	1329	574+55.74	74.5	RT	667.74	INLETS 4-FT DIAMETER	HM	4.71	---	P1330	1329	1331	663.03	663.00	0.50	6	10	IV	15	---
CTH KR	1331	574+61.32	76.7	RT	667.85	INLETS 4-FT DIAMETER	HM	4.84	---	P1332	1331	1333	663.01	662.77	0.50	48	52	IV	15	---
CTH KR	1333	575+16.59	73.0	RT	668.24	INLETS 4-FT DIAMETER	HM	5.47	---	P1334	1333	1335	662.77	662.74	0.50	7	11	IV	15	---
CTH KR	1335	575+22.68	76.0	RT	668.32	INLETS 4-FT DIAMETER	HM	5.58	---	P1336	1335	1337	662.74	662.56	0.50	37	41	IV	15	---
CTH KR	1337	575+55.48	51.3	RT	669.05	MANHOLES 4-FT DIAMETER	J-SPECIAL	6.49	---	P1338	1337	1339	662.56	662.35	0.50	41	45	III	15	---
CTH KR	1339	576+00.00	45.0	RT	669.31	INLETS 4-FT DIAMETER	HM	6.96	---	P1340	1339	1341	662.35	662.23	0.50	24	28	III	15	---
CTH KR	1341	576+00.00	13.0	RT	669.37	INLETS 4-FT DIAMETER	HM	7.14	---	P1342	1341	1343	662.23	662.16	0.50	14	19	III	15	---
CTH KR	1343	576+00.00	1.0	LT	669.25	MANHOLES 5-FT DIAMETER	HM	8.84	---	P1344	1343	1359	660.41	658.16	1.15	195	200	III	36	---
CTH KR	1351	574+40.76	45.1	LT	667.62	INLETS 4-FT DIAMETER	HM	7.06	---	P1352	1351	1353	660.56	660.52	0.50	7	11	III	15	---
CTH KR	1353	574+38.66	51.9	LT	667.57	INLETS 4-FT DIAMETER	HM	7.05	---	P1354	1353	1355	660.52	660.35	0.50	33	37	III	15	---
CTH KR	1355	574+00.00	47.7	LT	666.91	INLETS 4-FT DIAMETER	HM	6.56	---	P1356	1355	1359	660.35	660.22	0.50	26	30	III	15	---
CTH KR	1357	574+00.00	1.0	RT	666.88	INLETS 4-FT DIAMETER	HM	6.59	---	P1358	1357	1359	660.29	660.22	0.50	14	19	III	15	---

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[B]PIPE LENGTH SHOWN FOR SLOPE CALCULATION ONLY. NOT INTENDED FOR PAY QUANTITY.

[C]PLAN LENGTH SHOWN FOR PAY QUANTITY.

STORM SEWER STRUCTURES										STORM SEWER PIPES										
ROADWAY	STRUCTURE NO.	STATION	OFFSET (FT)	LOCATION	RIM OR FLOW ELEV	STRUCTURE TYPE	INLET/MANHOLE COVERS TYPE	DEPTH[1] (FT)	STRUCTURE COMMENTS	PIPE ID	FROM STR	TO STR	INLET ELEV	DISCH ELEV	SLOPE[A] %	PIPE LENGTH[B] (FT)	PLAN LENGTH[C] (FT)	PIPE CLASS	PIPE SIZE (INCH)	PIPE COMMENTS
CTH KR	1359	574+00.00	13.0	LT	666.87	MANHOLES 5-FT DIAMETER	HM	8.71	---	P1360	1359	1363	658.16	657.21	0.56	169	175	IV	36	---
CTH KR	1361	572+25.03	45.5	LT	663.67	INLETS 4-FT DIAMETER	HM	4.60	---	P1362	1361	1363	659.07	658.96	0.50	21	27	IV	15	---
CTH KR	1363	572+25.00	13.5	LT	663.75	MANHOLES 7-FT DIAMETER	HM	6.54	---	P1364	1363	1365	657.21	657.13	0.50	15	22	IV	36	---
CTH KR	1365	572+22.73	1.4	RT	663.47	MANHOLES 6-FT DIAMETER	HM	6.34	---	P1366	1365	1371	657.13	656.92	0.50	41	47	IV	36	---
CTH KR	1367	573+28.36	46.8	RT	665.53	INLETS 4-FT DIAMETER	HM	6.28	---	P1368	1367	1369	659.25	659.19	1.00	6	10	III	15	---
CTH KR	1369	573+27.00	53.2	RT	665.32	INLETS 4-FT DIAMETER	HM	6.13	---	P1370	1369	1371	659.19	658.67	0.50	104	109	IV	15	---
CTH KR	1371	572+17.23	54.5	RT	663.35	MANHOLES 6-FT DIAMETER	HM	6.43	---	P1372	1371	1373	656.92	656.73	0.50	38	41	IV	36	TO ENDWALL
STH 31	1401	314+50.00	2.0	LT	667.57	INLETS 4-FT DIAMETER	HM	4.78	---	P1402	1401	1403	662.79	662.76	0.50	6	10	IV	15	---
STH 31	1403	314+50.00	8.0	LT	667.56	INLETS 4-FT DIAMETER	HM	4.80	---	P1404	1403	1407	662.76	662.11	0.50	130	134	IV	15	---
STH 31	1405	313+15.93	2.0	LT	668.25	INLETS 4-FT DIAMETER	HM	6.11	---	P1406	1405	1407	662.14	662.11	0.50	6	10	III	15	---
STH 31	1407	313+15.92	8.0	LT	668.45	INLETS 4-FT DIAMETER	HM	6.34	---	P1408	1407	1409	662.11	661.42	1.00	69	71	III	15	TO ENDWALL
STH 31	1421	318+96.65	8.0	RT	670.56	INLETS 4-FT DIAMETER	HM	6.75	---	P1422	1421	1423	663.81	663.76	0.80	6	10	III	15	---
STH 31	1423	318+96.55	2.0	RT	669.92	INLETS 4-FT DIAMETER	HM	6.16	---	P1424	1423	1425	663.76	663.14	0.80	78	82	III	15	---
STH 31	1425	318+14.47	2.0	RT	669.25	INLETS 4-FT DIAMETER	HM	6.11	---	P1426	1425	1427	663.14	662.73	0.50	81	86	III	15	---
STH 31	1427	317+28.68	2.0	RT	668.99	MANHOLES 5-FT DIAMETER	HM	7.51	---	---	---	---	661.48	---	---	---	---	---	---	---

[1]DEPTH = RIM OR FLOW ELEV - LOWEST PIPE INVERT ELEVATION

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STORM SEWER STRUCTURE SUMMARY															
611.1230 CATCH BASINS 2x3-FT EACH	611.2004 MANHOLES 4-FT DIAMETER EACH	611.2005 MANHOLES 5-FT DIAMETER EACH	611.2006 MANHOLES 6-FT DIAMETER EACH	611.2007 MANHOLES 7-FT DIAMETER EACH	611.2008 MANHOLES 8-FT DIAMETER EACH	611.3225 INLETS 2x2.5-FT EACH	611.3004 INLETS 4-FT DIAMETER EACH	611.3901 INLETS MEDIAN 1 GRATE EACH	611.3902 INLETS MEDIAN 2 GRATE EACH	611.0535 MANHOLE COVERS TYPE J SPECIAL EACH	611.0627 INLET COVERS TYPE HM EACH	611.0642 INLET COVERS TYPE MS EACH	611.0624 INLET COVERS TYPE H EACH	611.0654 INLET COVERS TYPE V EACH	SPV.0060.001 INLET COVERS TYPE R-3517
2	2	69	25	6	1	6	299	18	3	12	339	24	24	9	26

STORM SEWER PIPE SUMMARY																
608.0312 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 12-INCH LF	608.0315 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 15-INCH LF	608.0318 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 18-INCH LF	608.0321* STORM SEWER PIPE REINFORCED CONCRETE CLASS III 21-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	608.0336 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 36-INCH LF	608.0342 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 42-INCH LF	608.0415 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 15-INCH LF	608.0418 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 18-INCH LF	608.0424 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 24-INCH LF	608.0430 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 30-INCH LF	608.0436 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 36-INCH LF	608.0442 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 42-INCH LF	608.2329 STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-III 29X45-INCH LF	608.2424 STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-IV 24X38-INCH LF	608.2429 STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-IV 29X45-INCH LF
54	5787	234	252	4536	3788	1001	85	3923	182	2667	278	895	138	406	393	332

GENERAL NOTES

DETAILS OF CONSTRUCTION MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

THE CONTRACTOR IS RESPONSIBLE FOR NOT BACKFEEDING CIRCUITS PRIOR TO DISCONNECTING ANY BRANCH CIRCUITS FROM OLD SOURCE.

LOCATIONS OF THE PVC CONDUITS ARE IDENTIFIED IN THE PLANS WHERE THEY ARE REQUIRED. APPROPRIATE ADJUSTMENT ON CONDUIT LOCATIONS MAY BE MADE IF THE FIELD CONDITIONS ARE SUCH THAT THE CONDUIT CANNOT BE INSTALLED AT THE SPECIFIED LOCATIONS. FIELD MARK EACH CONDUIT LOCATION IN RED.

ALL CONDUITS SHALL BE CAPPED OR PLUGGED WITH ENGINEER APPROVED FITTINGS IMMEDIATELY AFTER INSTALLATION. THE TRENCH SHALL NOT BE BACK FILLED PRIOR TO INSPECTION OF THE CONDUIT.

BENDING OF PVC ELECTRICAL CONDUIT SHALL BE ACCOMPLISHED BY USING A BLANKET OR IMMERSION TYPE TANK DESIGNED FOR THE PURPOSE OF BENDING PVC ELECTRICAL CONDUIT. ALL CUT ENDS SHALL BE TRIMMED INSIDE AND OUTSIDE TO REMOVE ALL ROUGH EDGES ON ALL CONDUITS.

PRIOR TO CONDUIT ACCEPTANCE, ALL CONDUIT ENDS SHALL BE THOROUGHLY CLEANED AND BE CAPPED WITH THE APPROPRIATE CAST PLASTIC CAP WHICH FITS SNUGGLY ON THE CONDUIT, BUT EASILY REMOVED IN THE FUTURE. DUCT TAPE OR ANY OTHER CAPPING METHOD IS NOT ACCEPTABLE.

CONDUIT RUNS SHALL BE THE SAME SIZE PIPE FROM ONE END TO THE OTHER (FROM PULL BOX-TO-PULL BOX OR JUNCTION BOX OR BASE-TO-BASE, ETC.) UNLESS OTHERWISE NOTED ON PLANS.

PULL ROPE (3/8-INCH NYLON) SHALL BE INSTALLED IN ALL NEW CONDUITS.

CONTRACTOR SHALL SUPPLY AS-BUILT DRAWING FOR ALL THE WORK BEING DONE.

INSTALLATION OF LATERAL UNDERGROUND CONDUIT UNDER PAVEMENT SHALL BE INSTALLED MINIMUM 30 INCHES BELOW PROPOSED GRADE AND A MINIMUM OF 3 INCHES BELOW ALL PAVEMENT BASE MATERIALS. CONDUIT LATERALS SHALL BE TRENCHED UNDER PAVEMENT BEFORE PAVEMENT CONSTRUCTION. CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH ROADWAY CONSTRUCTION FOR CONDUIT LATERALS INSTALLATION.

PITCH ALL CONDUITS TOWARD PULL BOXES. INSTALL A 2" DRAIN DUCT TO STORM SEWER OR DRAIN SUMP AS REQUIRED FOR DRAINAGE. THE 2" DRAIN DUCT OR SUMP IS INCIDENTAL TO THE PULL BOX BID ITEM AND IS NOT SHOWN.

THE LOCATION OF EXISTING AND PROPOSED UTILITIES AS SHOWN ON THE PLANS ARE APPROXIMATE, IN ADDITION, THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION.

HAND DIGGING MAY BE REQUIRED FOR LOCATIONS ADJACENT TO EXISTING GAS AND POWER LINES. HAND EXCAVATION SHOULD BE ANTICIPATED & WILL BE CONSIDERED INCIDENTAL TO THE CONCRETE BASES BID ITEM. COORDINATE ALL WORK NEAR GAS LINE WITH WE ENERGIES.

EXISTING CONDUIT AND CID NO LONGER BEING USED IS ABANDONED IN PLACE. THE CONTRACTOR MAY REMOVE ABANDONED WIRING AT THE CONTRACTOR'S EXPENSE. ABANDONED PULL BOX REMOVAL IS INCIDENTAL TO THE ROAD CONSTRUCTION.

IF CID CONTAINS PHASE CONDUCTOR(S) THAT WILL NOT BE USED FOR SUBSEQUENT POLES, I.E. AT THE END OF A CIRCUIT, DO NOT ENERGIZE THE RESPECTIVE CONDUCTOR(S) PAST THE LAST POLE THE PHASE WAS UTILIZED. REMOVE UNUSED CONDUCTOR(S) EXPOSED BEYOND THE CID RACEWAY IN ALL SUBSEQUENT POLES.

SEAL THE ENDS OF ALL CID RACEWAY WITH A UL RECOGNIZED FOAM CONDUIT SEALANT. PROVIDE A 1/2" NYLON ROPE EXTENDING BEYOND THE PLUG TO ASSIST IN REMOVING THE PLUG IN THE FUTURE.

SEE DETAIL "CONDUIT DETAILS AT STRUCTURE PARAPET TO ROADWAY BARRIER INTERFACE" WHEN CONDUIT EXITS TO GRADE FROM A BRIDGE PARAPET OR RETAINING WALL. RIGID METALLIC CONDUIT IN THE CONCRETE BARRIER IS INCIDENTAL TO THE RIGID NONMETALLIC CONDUIT.

PROVIDE MINIMUM CABLE SLACK AS NOTED BELOW:

PULL BOXES:	10-FT	LIGHTING CONTROL CENTERS:	10-FT
EMBEDDED JUNCTION BOXES:	3-FT	POLES:	5-FT IN AND 5-FT OUT

SIGN STRUCTURES WHICH HAVE A BASE THAT EXTENDS THE COMPLETE WIDTH OF THE MEDIAN TYPICALLY HAVE A 4" SLEEVE FOR LIGHTING.

WIRE AND CONDUIT IS LISTED IN THE MISCELLANEOUS QUANTITIES BASED UPON THE EARLIEST STAGE SHOWN. CONTRACTOR MAY INSTALL LATER WHEN LOAD NEEDS TO BE ENERGIZED.

CONDUCTOR COLORS: 240/480V, 1 PHASE - BLACK / RED / WHITE (NEUTRAL) / BARE OR GREEN (GROUND)

LEGEND - FINAL LIGHTING

- EXISTING CONDUIT
- CABLE IN CONDUIT - SIZE AS NOTED
- PROPOSED SINGLE ARM FREEWAY LIGHTING UNIT
- PROPOSED TWIN ARM FREEWAY LIGHTING UNIT
- LIGHTING CONTROL CABINET
- PULL BOX 24" x 36"
- PULL BOX 24" x 42"
- EXISTING PULL BOX
- ELECTRIC METER SOCKET
- EX EXISTING
- SM DENOTES STRUCTURE MOUNTED
- XX DENOTES THE CONSTRUCTION STAGE FOR INSTALLATION
- STUBOUT

LUMINAIRE IDENTIFICATION

STATION - OFFSET (TWO CALLOUTS IF TWIN)

LED-XH-X(T)-4-XYYZ

- LUMINAIRE NUMBER
- LIGHTING CONTROL CABINET
- CIRCUIT

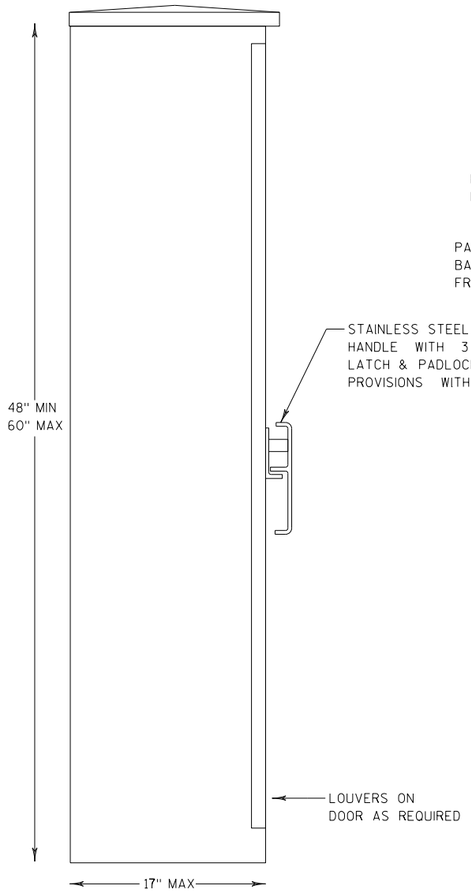
} PLAQUE SEQUENCE IDENTIFICATION

- LUMINAIRE ARM LENGTH
- POLE TYPE, (T) WITH TRANSFORMER BASE BREAKAWAY
- HOUSE SIDE SHIELD
- LUMINAIRE UTILITY CATEGORY
- LUMINAIRE TYPE SOURCE

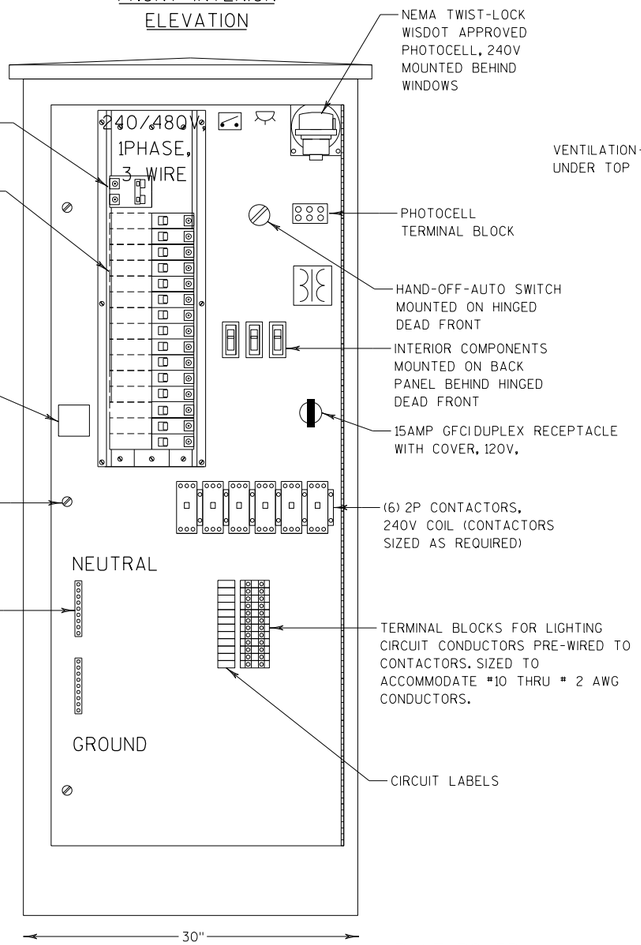
PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	LIGHTING PLAN	SHEET E

PRE_138

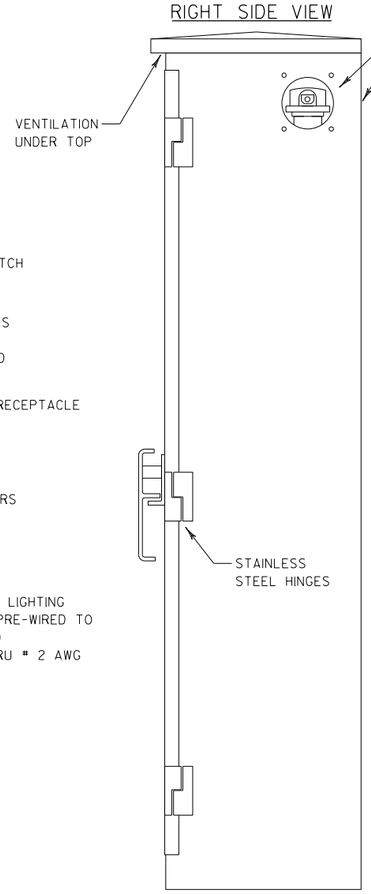
LEFT SIDE VIEW

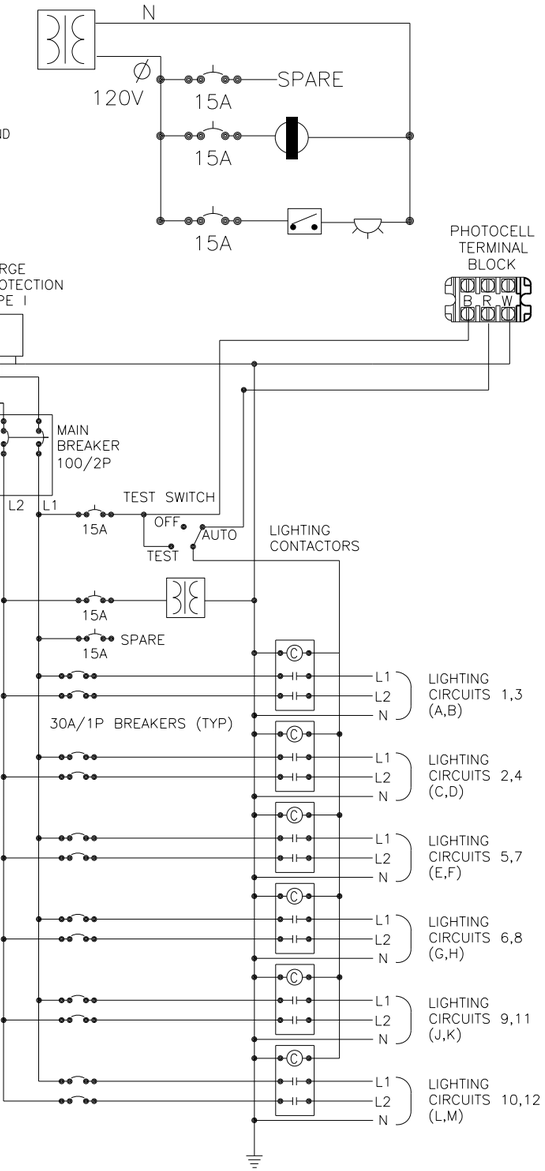


FRONT INTERIOR ELEVATION



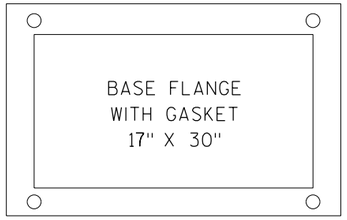
RIGHT SIDE VIEW





LEGEND:

- 15AMP GFCI DUPLEX RECEPTACLE WITH COVER, 120V,
- 1.5KVA, SINGLE PHASE ENCAPSULATED TRANSFORMER 240//120V, 60HZ
- SPST, 20AMP SWITCH ON DOOR, TO TURN LIGHT ON WHEN DOOR IS OPEN.
- INCANDESCENT LIGHTING FIXTURE 60WATT, 120V LAMP.
- 15AMP/1P CIRCUIT BREAKER, 120V



PANELBOARD:

- 30 CIRCUIT MIN.
- 100AMP MAIN CIRCUIT BREAKER
- COPPER BUS
- BOLT- ON BREAKERS
- 22K AIC
- (2) 15A/1P CONTROL BREAKER, 240V
- (1) 15A/1P CONTROL BREAKER, 240V, SPARE
- (12) 30A/1P BRANCH BREAKERS

BOX CONSTRUCTION:

- NEMA3R
- UL LISTED
- 1/8" ALUMINUM 5052-H32 ANODIZED CLEAR
- BENT CONSTRUCTION - ONE PIECE SIDES AND BACK
- NEOPRENE GASKETED DOORS
- STAINLESS STEEL HARDWARE
- ETL LISTED IN ACCORDANCE W/ UL508A

LIGHTING CONTROL CABINET SCHEMATIC

240/480 VOLT
LIGHTING CONTROL
CABINET POV-WISDOT
240/480

DETAIL - DISTRIBUTION CENTER - DOT

240/480 VOLT LIGHTING CONTROL CABINET POV-WISDOT 240/480

PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	LIGHTING PLANS - DETAILS	SHEET E

PRE_139

EXISTING

EXHL-51-KH	
A,C,E	BLACK
B,D,F	RED
N	WHITE
GND	BARE OR GREEN
A,B,C,D 30A	
240/480V 1 PHASE, ISOLATED NEUTRAL	

CTH H

STA. 450+17.70, 163.01' LT
EXPB-KH4

STA. 450+78.51, 162.79' LT
EXPB-KH5

STA. 451+18.04, 159.29' LT
EXPB-KH6

STA. 449+74.93, 112.03' LT
EXHL-51-KH

STA. 452+24.68, 72.36' LT
EXPB-KH7

STA. 453+36.11, 12.65' LT
LED C-5(T)-6-EKH1

STA. 455+10.83, 7.77' RT
LED C-5(T)-6-FKH2

STA. 456+90.71, 0.00'
LED C-5(T)-6-EKH3

STA. 458+70.72, 0.00'
LED C-5(T)-6-FKH4

STA. 460+50.00, 0.00'
LED C-5(T)-6-EKH5

STA. 462+30.71, 0.00'
LED C-5(T)-6-FKH6

CTH KR WB

CTH KR EB

449 450 451 452 453 454 455 456 457 458 459 460 461 462 463

MATCHLINE 463+50

STA. 453+36.11, 12.65' LT
LED C-5(T)-6-FKH1

STA. 455+10.83, 7.77' RT
LED C-5(T)-6-EKH2

STA. 456+90.71, 0.00'
LED C-5(T)-6-FKH3

STA. 458+70.72, 0.00'
LED C-5(T)-6-EKH4

STA. 460+50.00, 0.00'
LED C-5(T)-6-FKH5

STA. 462+30.71, 0.00'
LED C-5(T)-6-EKH6

STA. 452+25.55, 12.00' LT
PB-KH-11
OVER EXISTING CONDUIT

STA. 452+24.68, 72.36' LT
EXPB-KH8
ABANDON EXISTING PULL BOX

2

N

STA. 464+10.51, 0.00'
LED C-5(T)-6-EKH7

STA. 465+90.71, 0.00'
LED C-5(T)-6-FKH8

STA. 467+70.71, 0.00'
LED C-5(T)-6-EKH9

STA. 469+50.71, 0.00'
LED C-5(T)-6-FKH10

STA. 471+30.71, 0.00'
LED C-5(T)-6-EKH11

STA. 473+10.71, 0.00'
LED C-5(T)-6-FKH12

STA. 474+90.71, 0.00'
LED C-5(T)-6-EKH13

STA. 476+70.84, 8.38'RT
LED C-5(T)-6-FKH14

B-30-148

MATCHLINE 463+50

464 465 466 467 468 469 470 471 472 473 474 475 476 477 478

MATCHLINE 478+50

CTH KR WB

CTH KR EB

STA. 464+10.51, 0.00'
LED C-5(T)-6-FKH7

STA. 465+90.71, 0.00'
LED C-5(T)-6-EKH8

STA. 467+70.71, 0.00'
LED C-5(T)-6-FKH9

STA. 469+50.71, 0.00'
LED C-5(T)-6-EKH10

STA. 471+30.71, 0.00'
LED C-5(T)-6-FKH11

STA. 473+10.71, 0.00'
LED C-5(T)-6-EKH12

STA. 474+90.71, 0.00'
LED C-5(T)-6-FKH13

STA. 476+70.84, 8.38'RT
LED C-5(T)-6-EKH14

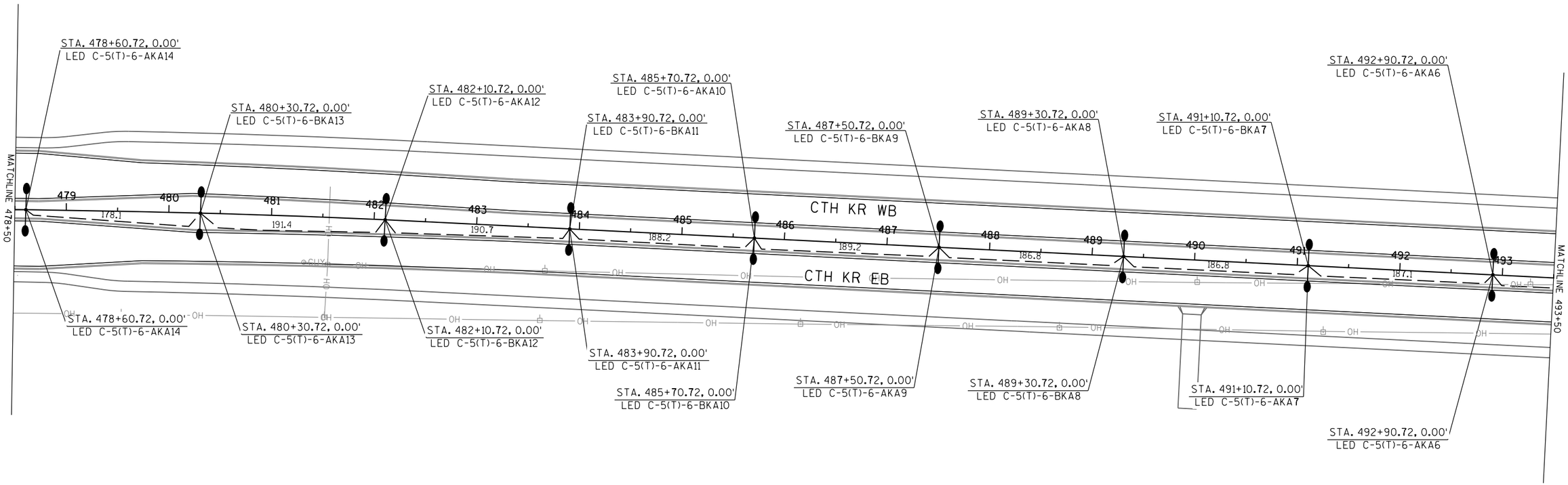
B-30-147

PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	LIGHTING PLANS - FINAL	SHEET E

PRE_141

2

N



PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	LIGHTING PLANS - FINAL	SHEET E

2

N

NEW HL-51-KA	
A,C	BLACK
B,D	RED
N	WHITE
GND	BARE OR GREEN
A,B,C,D	30A
240/480V 1 PHASE, ISOLATED NEUTRAL	

STA. 494+70.72, 0.00'
LED C-5(T)-6-BKA5

STA. 496+50.68, 0.00'
LED C-5(T)-6-AKA4

STA. 498+30.72, 0.00'
LED C-5(T)-6-BKA3

STA. 500+10.64, 5.14'LT
LED C-5(T)-6-AKA2

STA. 501+90.31, 12.00'RT
LED C-5(T)-6-BKA1

STA. 503+20.01, 55.00'LT
PB-KA-43

STA. 503+78.00, 112.00'LT
PB-KA-42

STA. 505+21.65, 113.33'LT
PB-KA-41

STA. 505+33.45, 123.00'LT
HL-51-KA

STA. 505+60.00, 112.00'LT
PB-KA-45

STA. 507+20.06, 6.96'RT
LED C-5(T)-6-DKA1

90TH ST

CTH KR WB

CTH KR EB

MATCHLINE 493+50

MATCHLINE 508+50

494 495 496 497 498 499 500 501 502 503 504 505 506 507 508

63 62 61 60 59 58 57 56 55 54

STA. 494+70.72, 0.00'
LED C-5(T)-6-AKA5

STA. 495+42.42, 0.00'
LED C-5(T)-6-BKA4

STA. 498+30.72, 0.00'
LED C-5(T)-6-AKA3

STA. 500+10.64, 5.14'LT
LED C-5(T)-6-BKA2

STA. 501+90.31, 12.00'RT
LED C-5(T)-6-AKA1

STA. 503+20.01, 12.00'RT
PB-KA-44

SEE TRAFFIC SIGNAL SHEET
FOR LIGHTING IN THIS AREA

STA. 505+60.00, 12.00'RT
PB-KA-46

72ND AVE

STA. 507+20.06, 6.96'RT
LED C-5(T)-6-CKA1

PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	LIGHTING PLANS - FINAL	SHEET E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\023526_LP.dgn PLOT DATE : 8/28/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:100

2

N

MATCHLINE 508+50

MATCHLINE 523+50

CTH KR WB

CTH KR EB

STA. 509+10.00, 0.00'
LED C-5(T)-6-CKA2

STA. 511+00.00, 0.49'RT
LED C-5(T)-6-DKA3

STA. 512+90.00, 0.00'
LED C-5(T)-6-CKA4

STA. 514+79.19, 0.00'
LED C-5(T)-6-DKA5

STA. 516+69.19, 0.00'
LED C-5(T)-6-CKA6

STA. 518+59.20, 0.00'
LED C-5(T)-6-DKA7

STA. 520+50.00, 6.00'LT
LED C-5(T)-6-CKA8

STA. 522+39.17, 6.00'LT
LED C-5(T)-6-DKA9

509 510 511 512 513 514 515 516 517 518 519 520 521 522 523

STA. 509+10.00, 0.00'
LED C-5(T)-6-DKA2

STA. 511+00.00, 0.49'RT
LED C-5(T)-6-CKA3

STA. 512+90.00, 0.00'
LED C-5(T)-6-DKA4

STA. 514+79.19, 0.00'
LED C-5(T)-6-CKA5

STA. 516+69.19, 0.00'
LED C-5(T)-6-DKA6

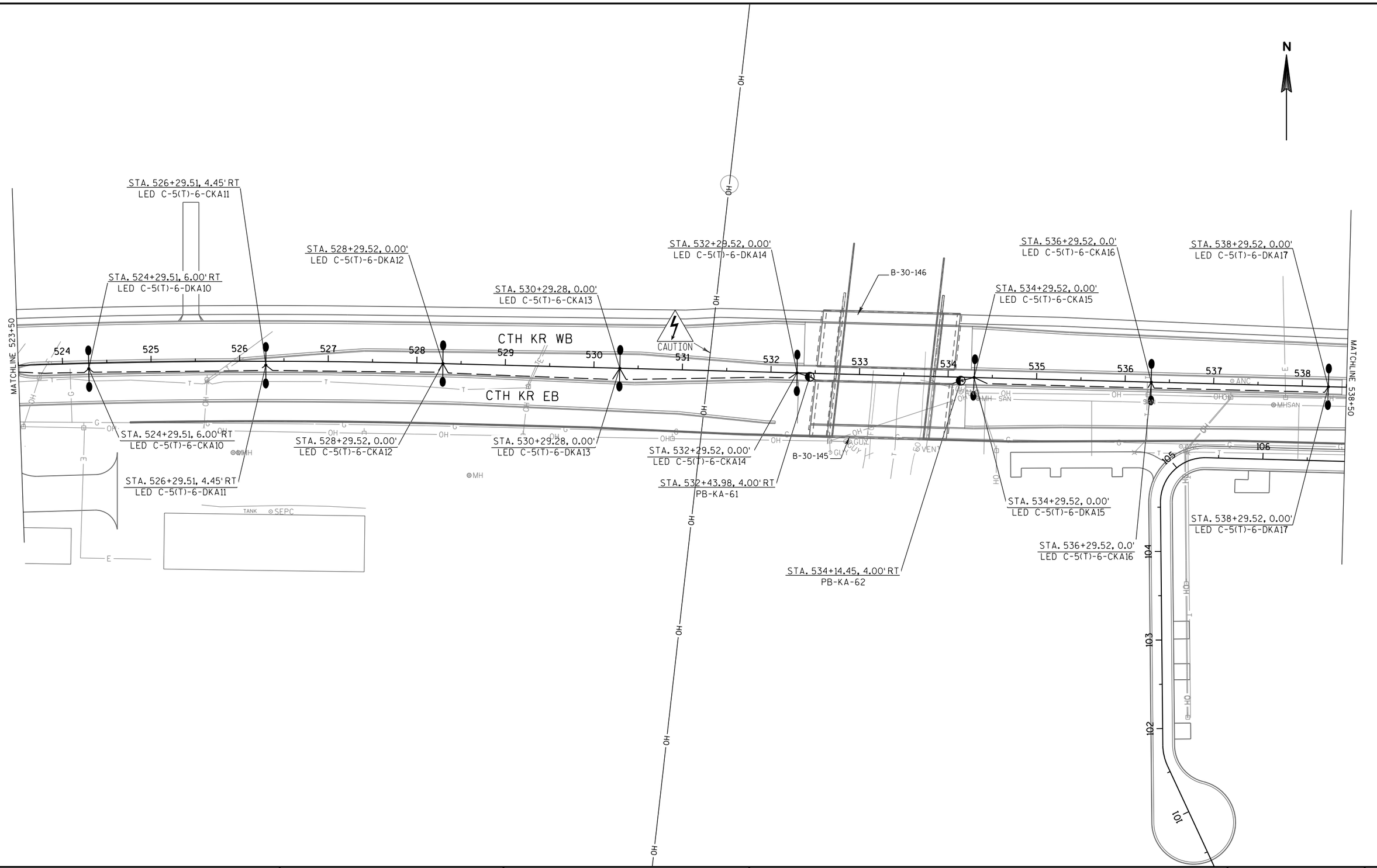
STA. 518+59.20, 0.00
LED C-5(T)-6-CKA7

STA. 520+50.00, 6.00'LT
LED C-5(T)-6-CKA8

STA. 522+39.17, 6.00'LT
LED C-5(T)-6-DKA9

PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	LIGHTING PLANS - FINAL	SHEET E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\023528_LP.dgn PLOT DATE : 8/28/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:100


N
STA. 526+29.51, 4.45' RT
LED C-5(T)-6-CKA11
STA. 524+29.51, 6.00' RT
LED C-5(T)-6-DKA10
STA. 528+29.52, 0.00'
LED C-5(T)-6-DKA12
STA. 530+29.28, 0.00'
LED C-5(T)-6-CKA13
STA. 532+29.52, 0.00'
LED C-5(T)-6-DKA14
B-30-146
STA. 534+29.52, 0.00'
LED C-5(T)-6-CKA15
STA. 536+29.52, 0.0'
LED C-5(T)-6-CKA16
STA. 538+29.52, 0.00'
LED C-5(T)-6-DKA17
MATCHLINE 523+50
MATCHLINE 538+50
CTH KR WB
CTH KR EB
CAUTION
524
525
526
527
528
529
530
531
532
533
534
535
536
537
538
STA. 524+29.51, 6.00' RT
LED C-5(T)-6-CKA10
STA. 528+29.52, 0.00'
LED C-5(T)-6-CKA12
STA. 530+29.28, 0.00'
LED C-5(T)-6-DKA13
STA. 532+29.52, 0.00'
LED C-5(T)-6-CKA14
B-30-145
STA. 526+29.51, 4.45' RT
LED C-5(T)-6-DKA11
STA. 532+43.98, 4.00' RT
PB-KA-61
STA. 534+14.45, 4.00' RT
PB-KA-62
STA. 534+29.52, 0.00'
LED C-5(T)-6-DKA15
STA. 536+29.52, 0.0'
LED C-5(T)-6-CKA16
STA. 538+29.52, 0.00'
LED C-5(T)-6-DKA17
106
105
104
103
102
101
TANK
SEPC
MH
ANC
MHSAN
VENT
GUY
OH
HO
E

2

N

STA. 541+88.40, 48.50' LT
LED CH-5(T)-6-DKB14

STA. 543+67.85, 48.50' LT
LED CH-5(T)-6-AKB13

STA. 545+47.29, 48.50' LT
LED CH-5(T)-6-BKB13

STA. 547+26.73, 48.50' LT
LED CH-5(T)-6-AKB12

STA. 549+04.00, 48.50' LT
LED CH-5(T)-6-BKB12

STA. 550+83.44, 48.50' LT
LED CH-5(T)-6-AKB11

STA. 552+67.78, 48.5' LT
LED CH-5(T)-6-BKB11

STA. 540+08.96, 48.50' LT
LED CH-5(T)-6-AKB14

MATCHLINE 538+50

MATCHLINE 553+50

CTH KR WB

CTH KR EB

539 540 541 542 543 544 545 546 547 548 549 550 551 552 553

107 108 109

STA. 540+08.96, 48.50' RT
LED CH-5(T)-6-BKB19

STA. 541+77.30, 48.50' RT
LED CH-5(T)-6-AKB19

STA. 543+66.72, 48.50' RT
LED CH-5(T)-6-BKB18

STA. 545+46.16, 48.50' RT
LED CH-5(T)-6-AKB18

STA. 547+25.60, 48.50' RT
LED CH-5(T)-6-BKB17

STA. 549+20.00, 48.50' RT
LED CH-5(T)-6-AKB17

STA. 550+99.44, 48.50' RT
LED CH-5(T)-6-BKB16

STA. 552+78.88, 48.50' RT
LED CH-5(T)-6-AKB16

OH SAN G MH T E

PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	LIGHTING PLANS - FINAL	SHEET E

PRE_146

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\023532_LP.dgn PLOT DATE : 8/28/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:100

2

N

STA. 554+47.32, 48.50'LT
LED CH-5(T)-6-AKB10

STA. 556+29.52, 48.50'LT
LED CH-5(T)-6-BKB10

STA. 557+90.00, 50.00'LT
PB-KB-85

STA. 558+29.52, 4.00'RT
LED C-5(T)-6-AKB9

STA. 560+29.65, 0.00'
LED C-5(T)-6-AKB8

STA. 562+19.65, 0.00'
LED C-5(T)-6-BKB7

STA. 564+09.65, 0.00'
LED C-5(T)-6-AKB6

STA. 566+08.93, SM
LED C-5(T)-6-BKB5

STA. 568+07.87, 0.00'
LED C-5(T)-6-AKB4

B-30-144

MATCHLINE 553+50

554 555 556 557 558 559 560 561 562 563 564 565 566 567 568

CTH KR WB

CTH KR EB

MATCHLINE 568+50

STA. 554+57.91, 54.00'RT
LED CH-5(T)-6-BKB15

STA. 556+37.35, 54.00'RT
LED CH-5(T)-6-AKB15

STA. 558+29.52, 4.00'RT
LED C-5(T)-6-BKB9

STA. 557+90.00, 4.08'RT
PB-KB-84

STA.562+19.65, 0.00'
LED C-5(T)-6-AKB7

STA. 564+09.65, 0.00'
LED C-5(T)-6-BKB6

STA. 564+55.17, 0.00'
PB-KB-82

B-30-143

STA. 557+89.55, 49.56'RT
PB-KB-83

STA. 560+29.65, 0.00'
LED C-5(T)-6-BKB8

STA. 566+08.94, SM
LED C-5(T)-6-AKB5

STA. 567+61.72, 0.00'
PB-KB-81

STA. 568+07.87, 0.00'
LED C-5(T)-6-BKB4

202

201

PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	LIGHTING PLANS - FINAL	SHEET E

PRE_147

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\023534_LP.dgn PLOT DATE : 8/28/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:100

2

NEW HL-51-KB	
A,C	BLACK
B,D	RED
N	WHITE
GND	BARE OR GREEN
A,B,C,D	30A
240/480V 1 PHASE, ISOLATED NEUTRAL	

N

STH 31 SB

STH 31 NB

CTH KR WB

CTH KR EB

MATCHLINE 568+50

MATCHLINE 583+50

STA. 569+59.47, 0.00'
LED C-5(T)-6-BKB3

STA. 571+39.58, 6.10' LT
LED C-5(T)-6-AKB2

STA. 573+19.47, 5.50' LT
LED C-5(T)-6-BKB1

STA. 573+50.00, 5.50' LT
PB-KB-96

STA. 576+72.52, 85.02' LT
PB-KB-91

STA. 576+89.51, 85.80' LT
HL-51-KB

STA. 576+78.79, 6.00' RT
LED C-5(T)-6-DKB1

STA. 578+58.78, 5.50' RT
LED C-5(T)-6-CKB2

STA. 582+18.81, 0.00'
LED C-5(T)-6-CKB4

STA. 580+38.80, 0.00'
LED C-5(T)-6-DKB3

STA. 571+39.58, 6.10' LT
LED C-5(T)-6-BKB2

STA. 569+59.47, 0.00'
LED C-5(T)-6-AKB3

STA. 573+19.47, 5.50' LT
LED C-5(T)-6-AKB1

STA. 573+40.38, 82.02' RT
PB-KB-95

STA. 576+78.79, 6.00' RT
LED C-5(T)-6-CKB1

STA. 576+63.92, 8.00' RT
PB-KB-92

STA. 578+58.78, 5.50' RT
LED C-5(T)-6-DKB2

STA. 580+38.80, 0.00'
LED C-5(T)-6-CKB3

STA. 576+50.86, 53.36' RT
PB-KB-93

STA. 582+18.81, 0.00'
LED C-5(T)-6-DKB4

STA. 575+74.29, 87.08' RT
PB-KB-94

SEE TRAFFIC SIGNAL SHEET
FOR LIGHTING IN THIS AREA

PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	LIGHTING PLANS - FINAL	SHEET E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\023536_LP.dgn PLOT DATE : 8/28/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:100

2

2

N

MATCHLINE 583+50

MATCHLINE 598+50

CTH KR WB

CTH KR EB

OLD GREEN BAY RD

SEE TRAFFIC SIGNAL SHEET FOR LIGHTING IN THIS AREA

STA. 583+98.80, 0.00'
LED C-5(T)-6-DKB5

STA. 583+98.80, 0.00'
LED C-5(T)-6-CKB5

STA. 585+78.77, 6.00'LT
LED C-5(T)-6-CKB6

STA. 585+78.77, 6.00'LT
LED C-5(T)-6-DKB6

STA. 587+57.79, 6.10'LT
LED C-5(T)-6-DKB7

STA. 587+57.79, 6.10'LT
LED C-5(T)-6-CKB7

STA. 587+72.78, 4.00'LT
PB-KB-101

STA. 587+72.78, 69.33'RT
PB-KB-102

STA. 588+40.57, 108.60'RT
PB-KB-103

STA. 589+49.51, 102.73'RT
PB-KB-104

STA. 590+29.87, 53.07'RT
PB-KB-105

STA. 590+29.97, 8.00'RT
PB-KB-106

STA. 590+70.00, 6.00'RT
LED C-5(T)-6-CKB8

STA. 590+70.00, 6.00'RT
LED C-5(T)-6-DKB8

STA. 592+50.00, 0.00'
LED C-5(T)-6-DKB9

STA. 592+50.00, 0.00'
LED C-5(T)-6-CKB9

STA. 594+16.58, 5.60'RT
LED C-5(T)-6-CKB10

STA. 594+05.00, 5.88'RT
LED C-5(T)-6-DKB10

STA. 594+50.01, 1.66'RT
PB-KB-107

STA. 594+51.58, 30.78'LT
PB-KB-108

STA. 595+84.72, 29.33'LT
LED CH-5(T)-6-DKB11

STA. 597+67.30, 24.71'LT
LED CH-5(T)-6-CKB12

CAUTION

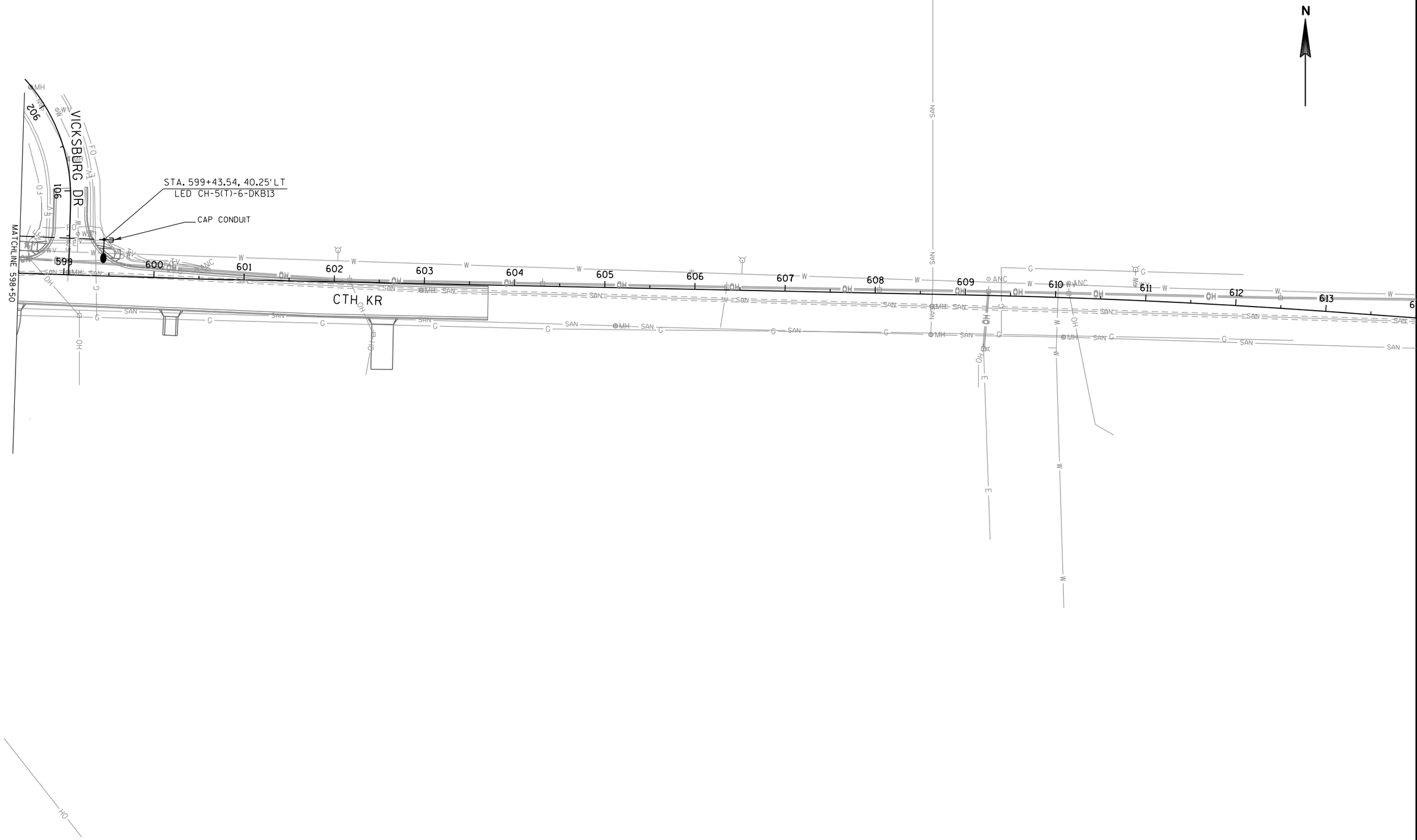
PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	LIGHTING PLANS - FINAL	SHEET E

PRE_149

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\023538_LP.dgn PLOT DATE : 8/28/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:100

WISDOT/CADDS SHEET 42

2

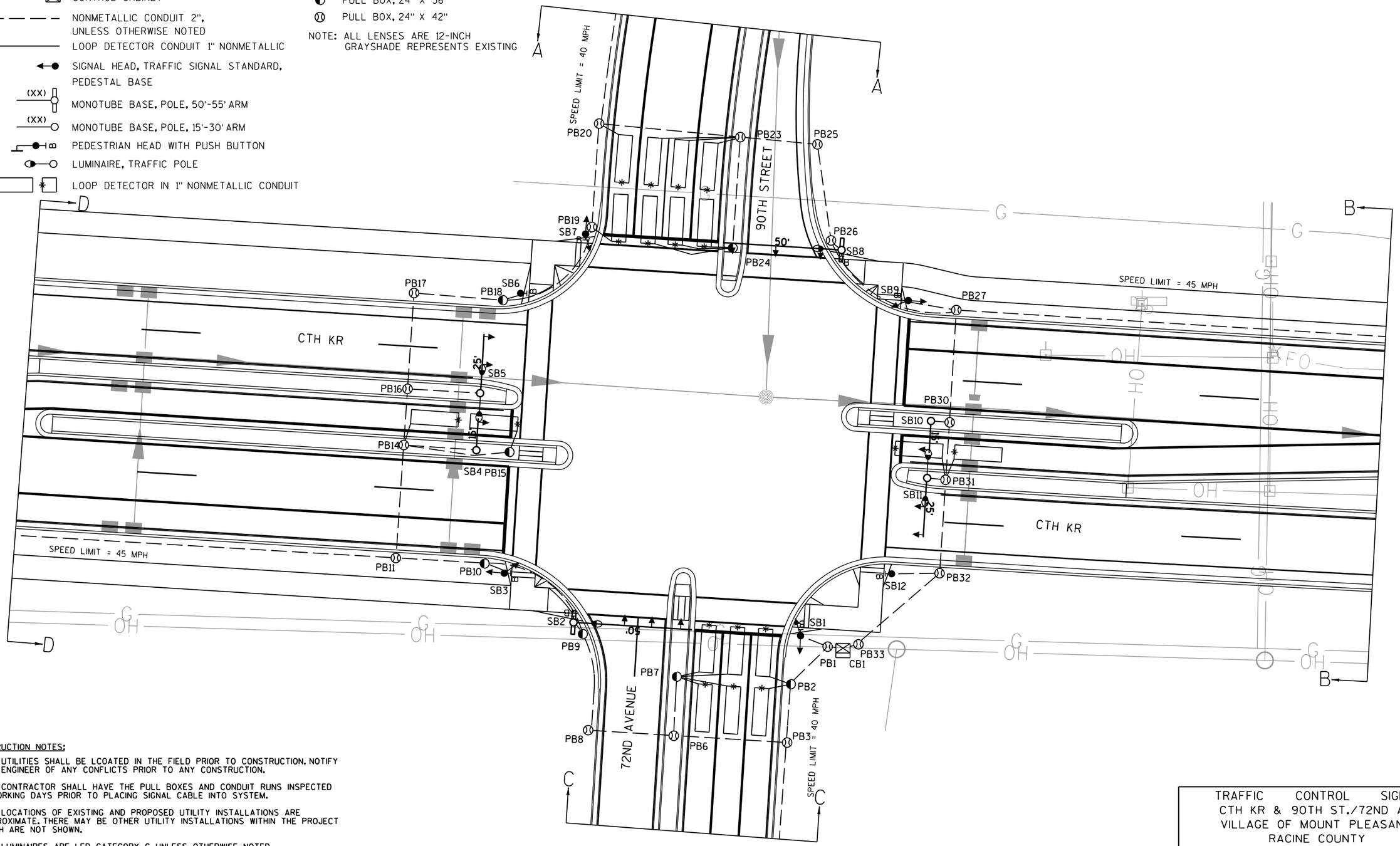


PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	LIGHTING PLANS - FINAL	SHEET E

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) MONOTUBE BASE, POLE, 50'-55' ARM
- (XX) MONOTUBE BASE, POLE, 15'-30' ARM
- PEDESTRIAN HEAD WITH PUSH BUTTON
- LUMINAIRE, TRAFFIC POLE
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"

NOTE: ALL LENSES ARE 12-INCH
GRAYSHADE REPRESENTS EXISTING



CONSTRUCTION NOTES:

1. ALL UTILITIES SHALL BE LCOATED IN THE FIELD PRIOR TO CONSTRUCTION. NOTIFY THE ENGINEER OF ANY CONFLICTS PRIOR TO ANY CONSTRUCTION.
2. THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED 5 WORKING DAYS PRIOR TO PLACING SIGNAL CABLE INTO SYSTEM.
3. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
4. ALL LUMINAIRES ARE LED CATEGORY C UNLESS OTHERWISE NOTED.
5. INSTALL CABINET BASE AT LEAST 6" ABOVE FINAL ROADWAY ELEVATION.
6. * LOCATION IS TO FRONT CENTER OF DETECTOR LOOP.

TRAFFIC CONTROL SIGNAL
CTH KR & 90TH ST./72ND AVE.
VILLAGE OF MOUNT PLEASANT
RACINE COUNTY

SIGNAL NO.

MUNICIPAL CONTACT: C. LOIS
DESIGNED BY: TADI
REVISED BY:

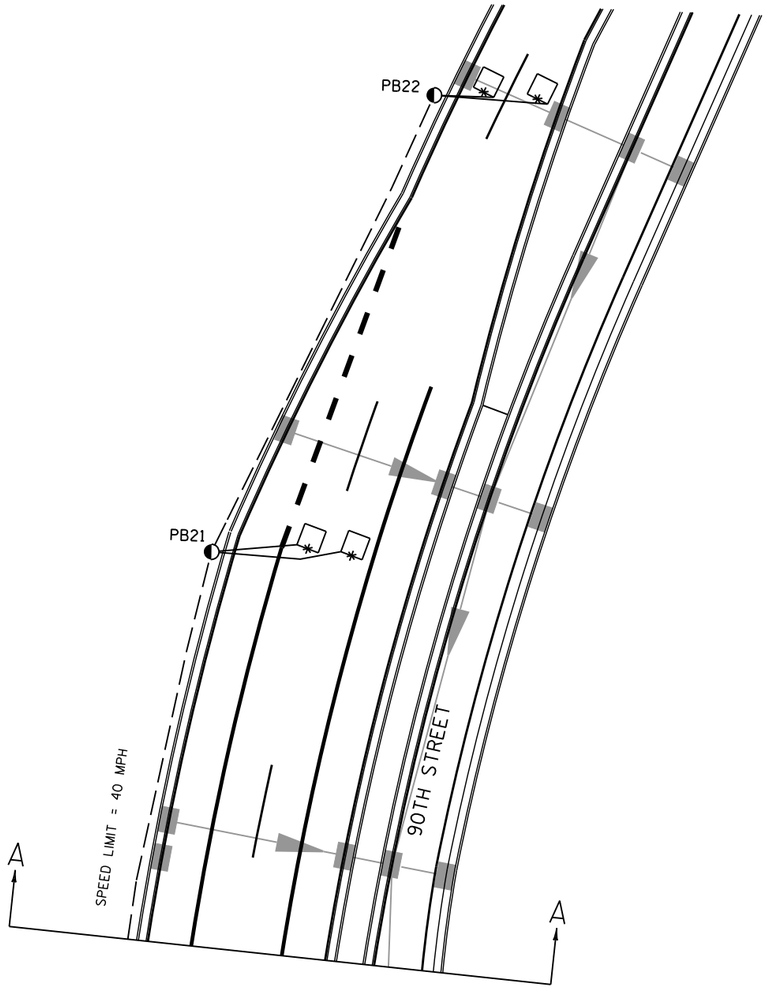
PAGE 1 OF 4

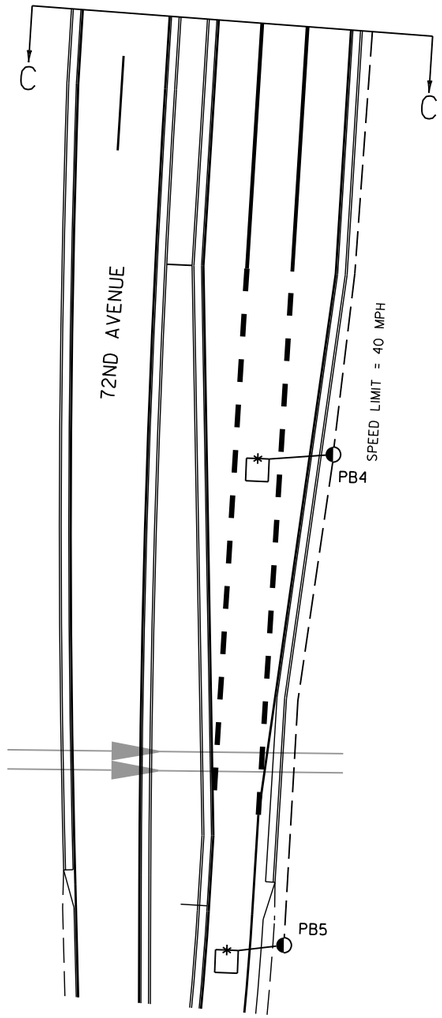
PROJECT NO: 3763-00-04	HWY: CTH KR	COUNTY: RACINE	DRAFT TRAFFIC SIGNAL PLAN	SHEET E

FILE NAME : 024201_sp.dgn PLOT DATE : 8/27/2019 PLOT BY : JFAIT-TADI PLOT NAME : PLOT SCALE : 40.0000 sf / in.
WISDOT/CADDS SHEET 42

2

N





TRAFFIC CONTROL SIGNAL
CTH KR & 90TH ST./72ND AVE.
VILLAGE OF MOUNT PLEASANT
RACINE COUNTY

SIGNAL NO.

MUNICIPAL CONTACT: C. LOIS
DESIGNED BY: TADI
REVISED BY:

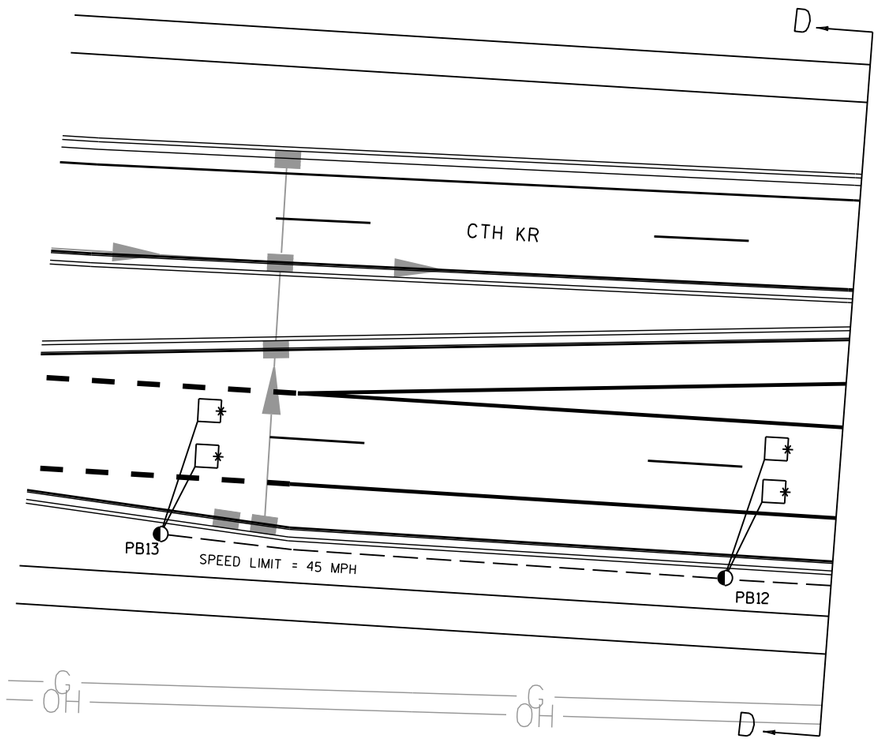
PAGE 2 OF 4

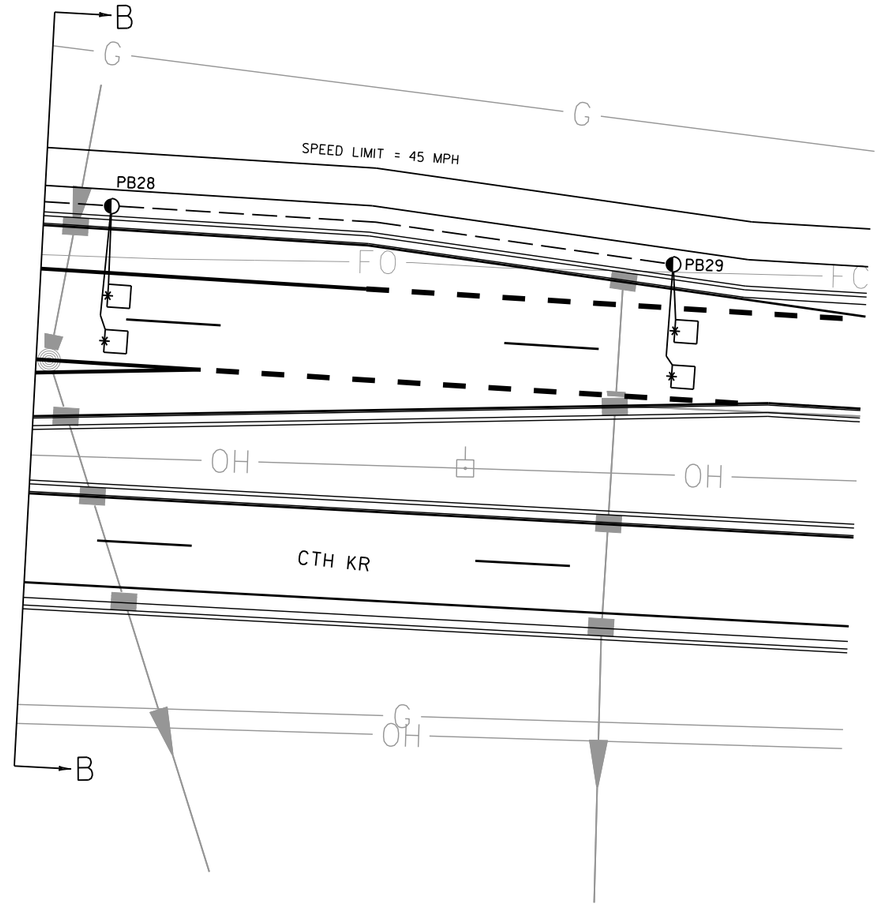
PROJECT NO: 3763-00-04	HWY: CTH KR	COUNTY: RACINE	DRAFT TRAFFIC SIGNAL PLAN	SHEET E

FILE NAME : 024202_sp.dgn PLOT DATE : 8/27/2019 PLOT BY : JFAIT-TADI PLOT NAME : PLOT SCALE : 40.0000 sf / in.

2

N





TRAFFIC CONTROL SIGNAL
CTH KR & 90TH ST./72ND AVE.
VILLAGE OF MOUNT PLEASANT
RACINE COUNTY

SIGNAL NO.

MUNICIPAL CONTACT: C. LOIS
DESIGNED BY: TADI
REVISED BY:

PAGE 3 OF 4

PROJECT NO: 3763-00-04	HWY: CTH KR	COUNTY: RACINE	DRAFT TRAFFIC SIGNAL PLAN	SHEET E

PRE_153

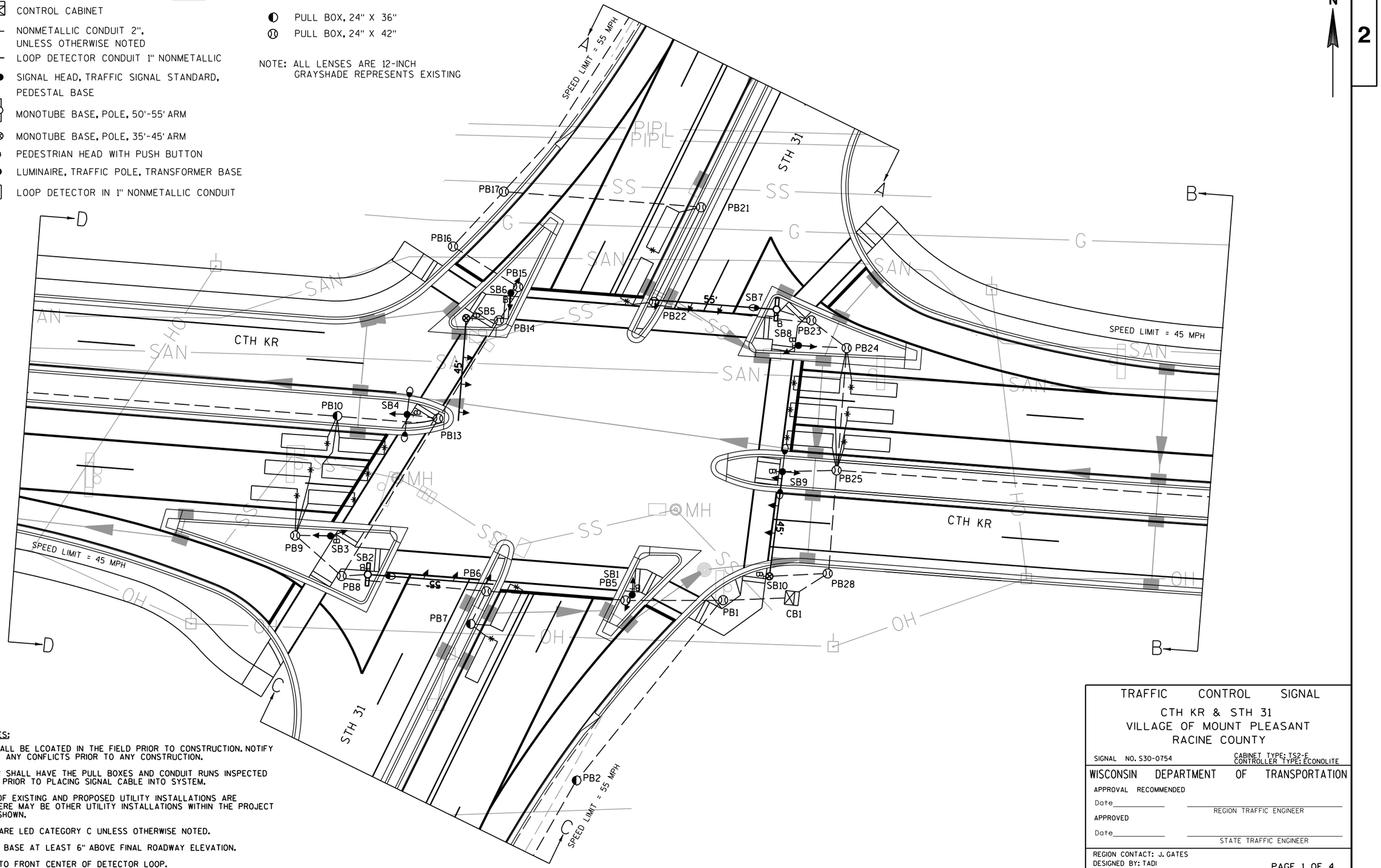
FILE NAME : 024203_sp.dgn PLOT DATE : 8/27/2019 PLOT BY : JFAIT-TADI PLOT NAME : PLOT SCALE : 40.0000 sf / in.

WISDOT/CADDS SHEET 42

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) MONOTUBE BASE, POLE, 50'-55' ARM
- (XX) MONOTUBE BASE, POLE, 35'-45' ARM
- PEDESTRIAN HEAD WITH PUSH BUTTON
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"

NOTE: ALL LENSES ARE 12-INCH
GRAYSHADE REPRESENTS EXISTING



CONSTRUCTION NOTES:

1. ALL UTILITIES SHALL BE LCOATED IN THE FIELD PRIOR TO CONSTRUCTION. NOTIFY THE ENGINEER OF ANY CONFLICTS PRIOR TO ANY CONSTRUCTION.
2. THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED 5 WORKING DAYS PRIOR TO PLACING SIGNAL CABLE INTO SYSTEM.
3. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
4. ALL LUMINAIRES ARE LED CATEGORY C UNLESS OTHERWISE NOTED.
5. INSTALL CABINET BASE AT LEAST 6" ABOVE FINAL ROADWAY ELEVATION.
6. * LOCATION IS TO FRONT CENTER OF DETECTOR LOOP.

TRAFFIC CONTROL SIGNAL

CTH KR & STH 31
VILLAGE OF MOUNT PLEASANT
RACINE COUNTY

SIGNAL NO. S30-0754
CABINET TYPE: TS2-F
CONTROLLER TYPE: ECONOLITE

WISCONSIN DEPARTMENT OF TRANSPORTATION

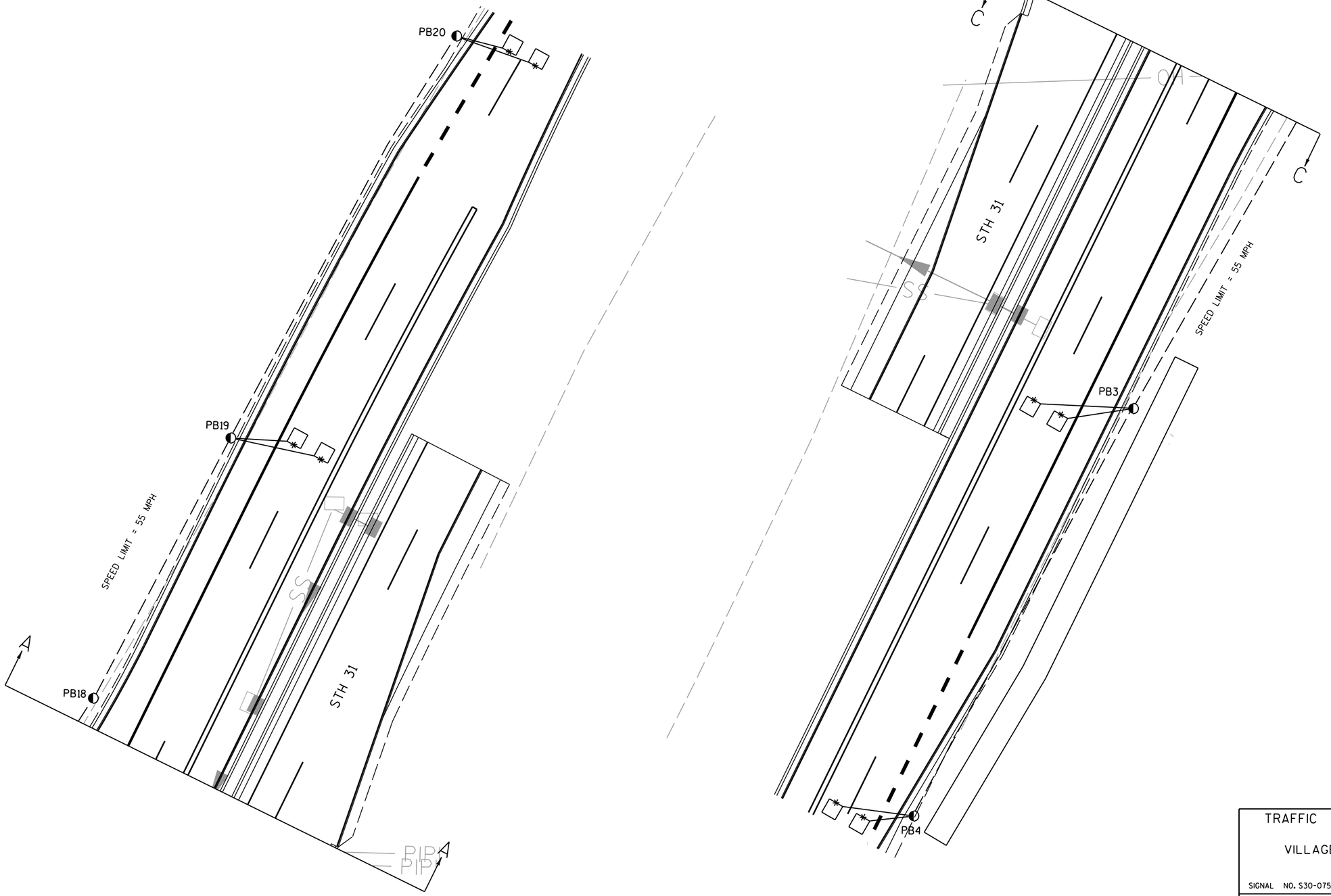
APPROVAL RECOMMENDED
Date _____ REGION TRAFFIC ENGINEER
APPROVED
Date _____ STATE TRAFFIC ENGINEER

REGION CONTACT: J. GATES
DESIGNED BY: TADI
REVISED BY:

PAGE 1 OF 4

PROJECT NO: 3763-00-04	HWY: CTH KR	COUNTY: RACINE	DRAFT TRAFFIC SIGNAL PLAN	SHEET E

PRE_154



2

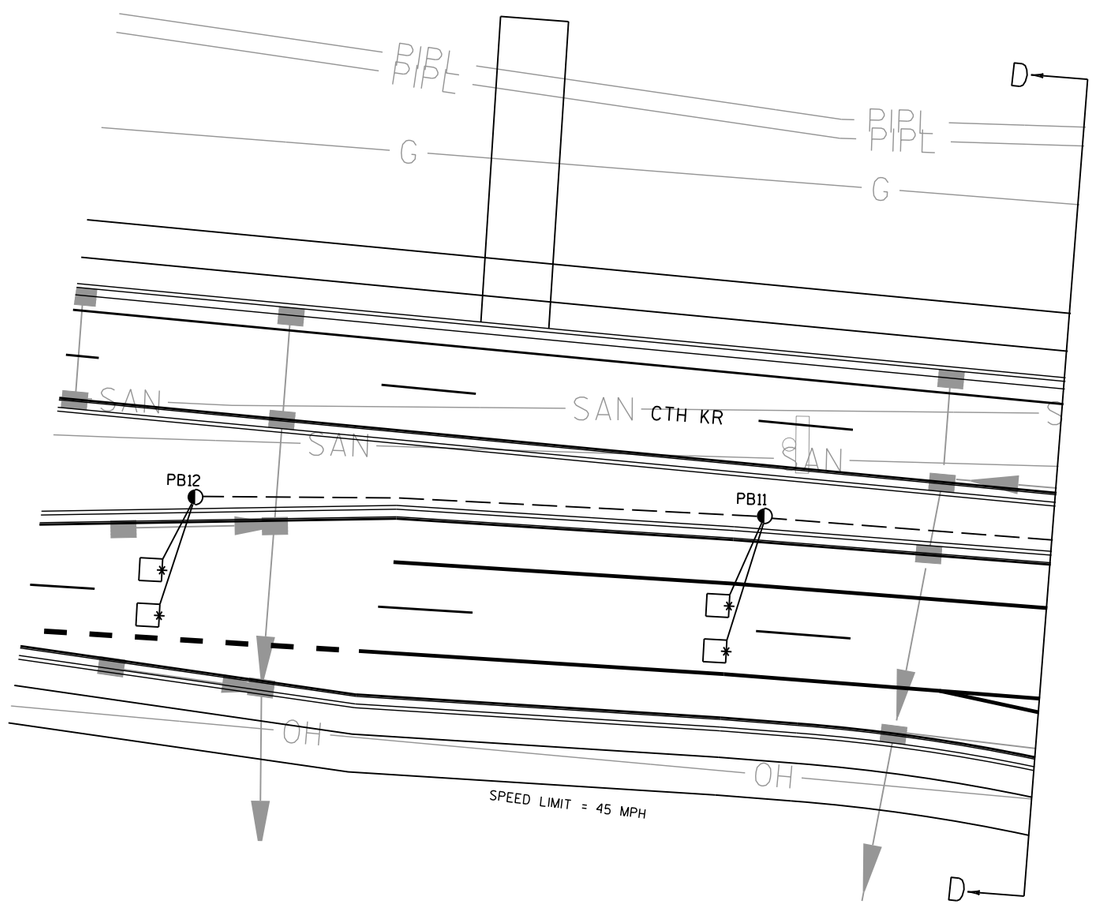
TRAFFIC CONTROL SIGNAL
CTH KR & STH 31
VILLAGE OF MOUNT PLEASANT
RACINE COUNTY

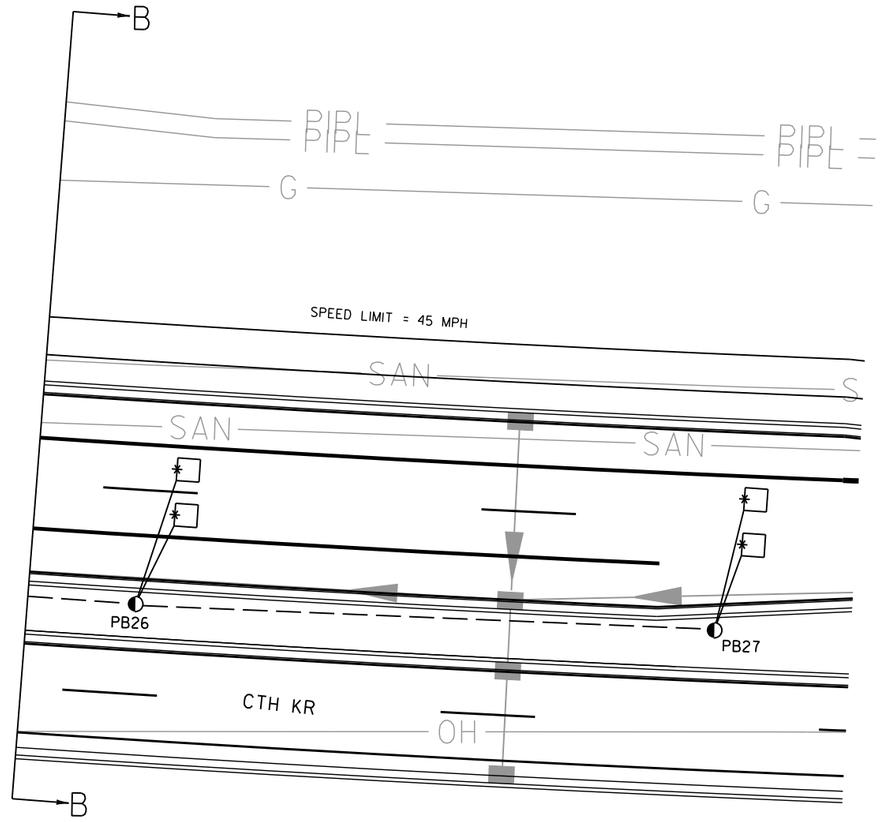
SIGNAL NO. S30-0754

REGION CONTACT: J. GATES
DESIGNED BY: TADI
REVISED BY:

PAGE 2 OF 4

PROJECT NO: 3763-00-04	HWY: CTH KR	COUNTY: RACINE	DRAFT TRAFFIC SIGNAL PLAN	SHEET E





N

2

TRAFFIC CONTROL SIGNAL
CTH KR & STH 31
VILLAGE OF MOUNT PLEASANT
RACINE COUNTY

SIGNAL NO. S30-0754

REGION CONTACT: J. GATES
DESIGNED BY: TADI
REVISED BY:

PAGE 3 OF 4

PROJECT NO: 3763-00-04	HWY: CTH KR	COUNTY: RACINE	DRAFT TRAFFIC SIGNAL PLAN	SHEET E

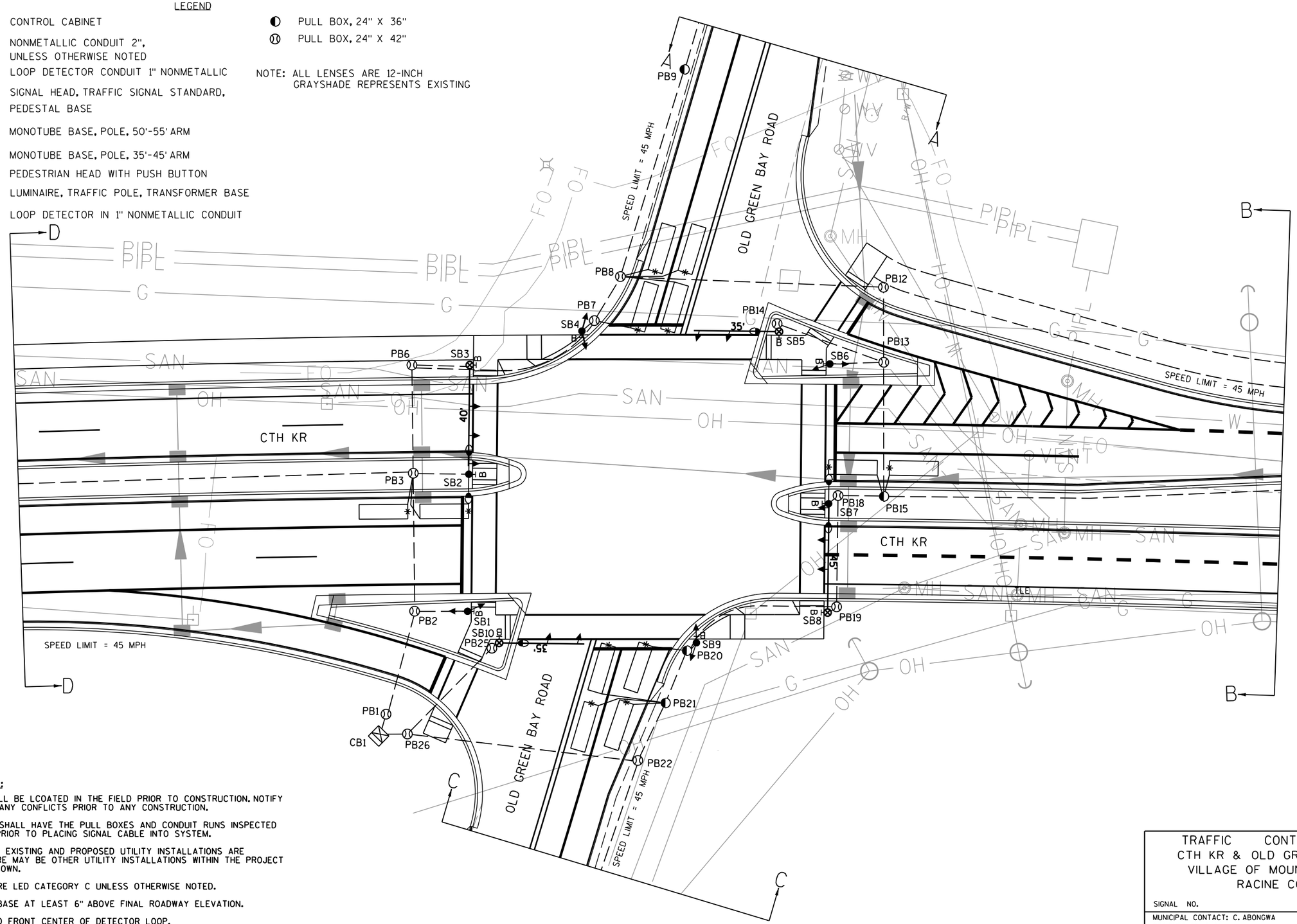
FILE NAME : 024207_sp.dgn PLOT DATE : 8/27/2019 PLOT BY : JFAIT-TADI PLOT NAME : PLOT SCALE : 40.0000 sf / in.

WISDOT/CADDS SHEET 42

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) MONOTUBE BASE, POLE, 50'-55' ARM
- (XX) MONOTUBE BASE, POLE, 35'-45' ARM
- PEDESTRIAN HEAD WITH PUSH BUTTON
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"

NOTE: ALL LENSES ARE 12-INCH
GRAYSHADE REPRESENTS EXISTING



CONSTRUCTION NOTES:

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4. ALL LUMINAIRES ARE LED CATEGORY C UNLESS OTHERWISE NOTED.
5. INSTALL CABINET BASE AT LEAST 6" ABOVE FINAL ROADWAY ELEVATION.
6. * LOCATION IS TO FRONT CENTER OF DETECTOR LOOP.

TRAFFIC CONTROL SIGNAL
CTH KR & OLD GREEN BAY ROAD
VILLAGE OF MOUNT PLEASANT
RACINE COUNTY

SIGNAL NO.

MUNICIPAL CONTACT: C. ABONGWA
DESIGNED BY: TADI
REVISED BY:

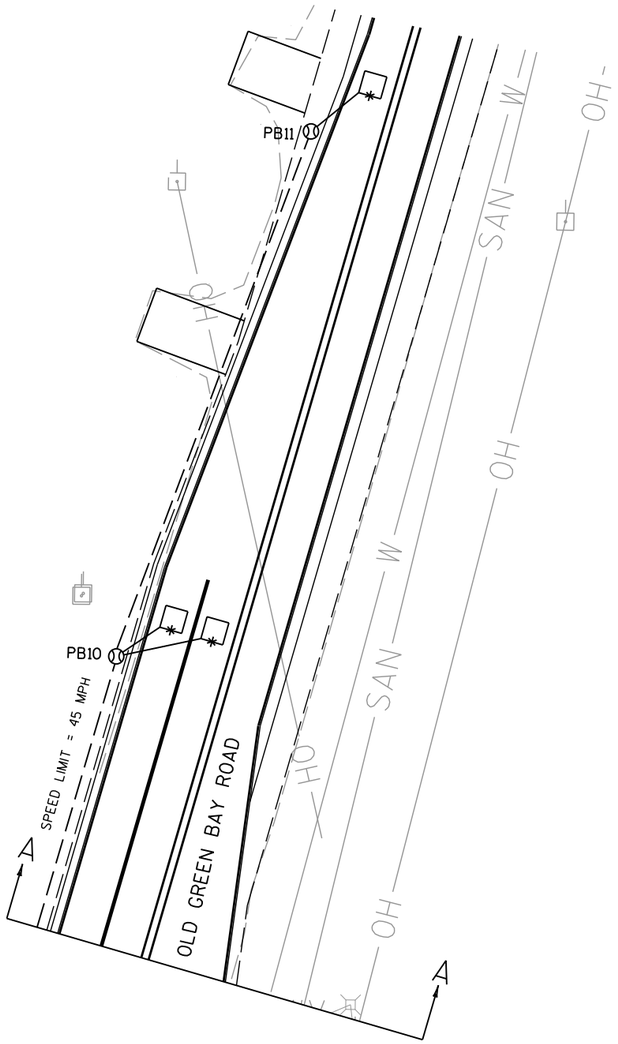
PAGE 1 OF 4

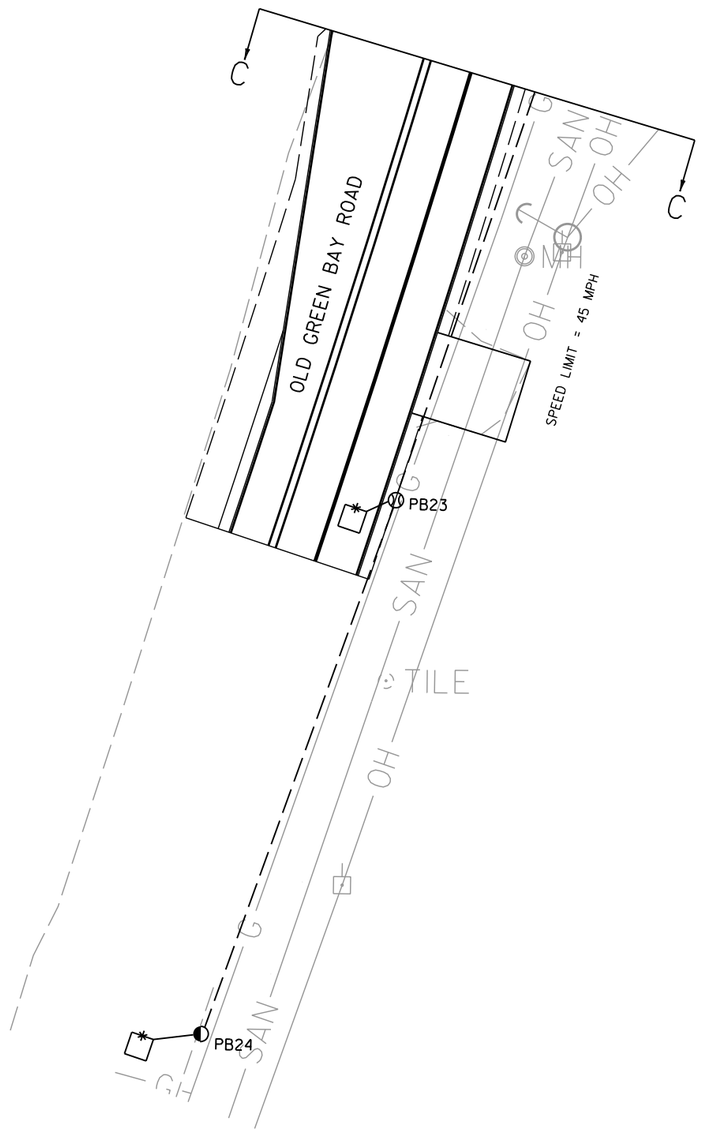
PROJECT NO: 3763-00-04	HWY: CTH KR	COUNTY: RACINE	DRAFT TRAFFIC SIGNAL PLAN	SHEET E

FILE NAME : 024210_sp.dgn PLOT DATE : 8/27/2019 PLOT BY : JFAIT-TADI PLOT NAME : PLOT SCALE : 40.0000 sf / in.

PRE_157

WISDOT/CADDS SHEET 42





2

TRAFFIC CONTROL SIGNAL
CTH KR & OLD GREEN BAY ROAD
VILLAGE OF MOUNT PLEASANT
RACINE COUNTY

SIGNAL NO.

MUNICIPAL CONTACT: C. ABONGWA
DESIGNED BY: TADI
REVISED BY:

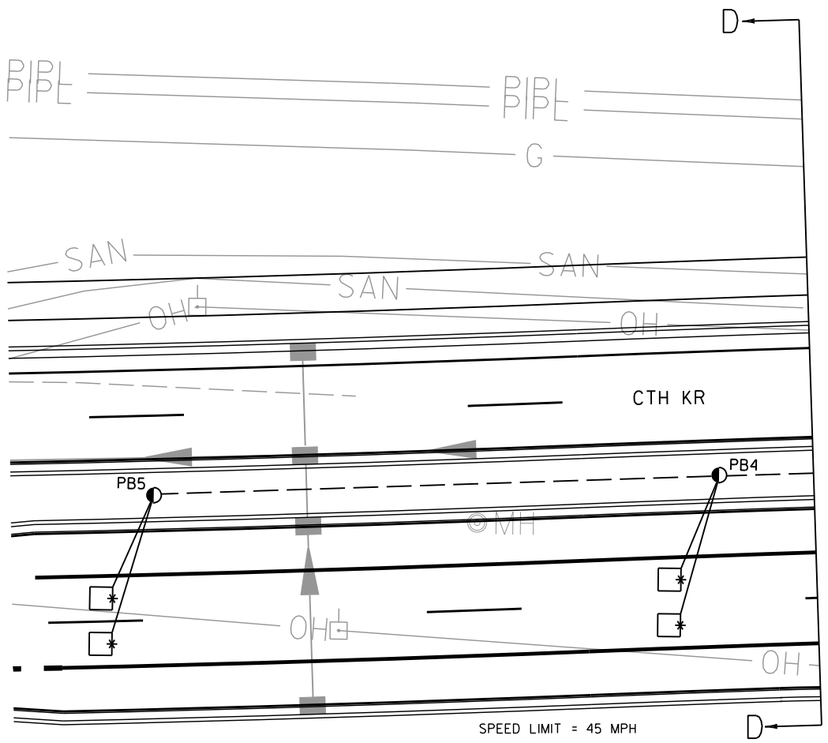
PAGE 2 OF 4

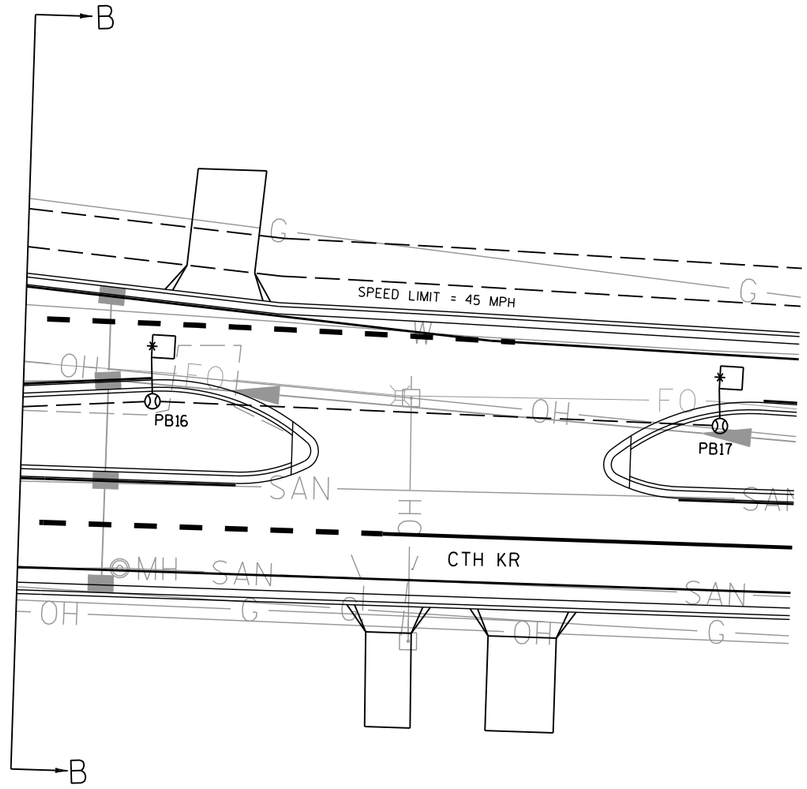
PROJECT NO: 3763-00-04	HWY: CTH KR	COUNTY: RACINE	DRAFT TRAFFIC SIGNAL PLAN	SHEET E

FILE NAME : 024211_sp.dgn PLOT DATE : 8/27/2019 PLOT BY : JFAIT-TADI PLOT NAME : PLOT SCALE : 40.0000 sf / in.

2

N





TRAFFIC CONTROL SIGNAL
CTH KR & OLD GREEN BAY ROAD
VILLAGE OF MOUNT PLEASANT
RACINE COUNTY

SIGNAL NO.

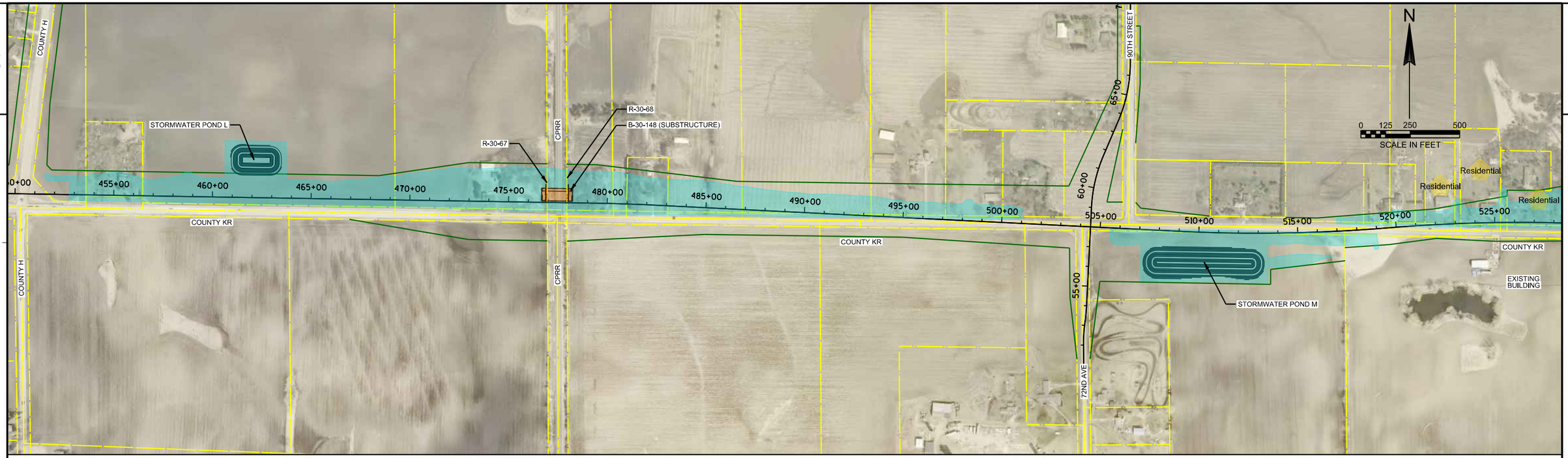
MUNICIPAL CONTACT: C. ABONGWA
DESIGNED BY: TADI
REVISED BY:

PAGE 3 OF 4

PROJECT NO: 3763-00-04	HWY: CTH KR	COUNTY: RACINE	DRAFT TRAFFIC SIGNAL PLAN	SHEET E

PRE_159

2





PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CONSTRUCTION STAGING - STAGE 1 (MID AUGUST TO NOVEMBER 2020)	SHEET E

PRE_160

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\026001_S1.dgn PLOT DATE : 8/28/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:500

2





PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CONSTRUCTION STAGING - STAGE 2 (EARLY MARCH TO LATE MAY 2021)	SHEET E

PRE_161

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\026001_S2.dgn PLOT DATE : 8/28/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:500

WISDOT/CADDS SHEET 42



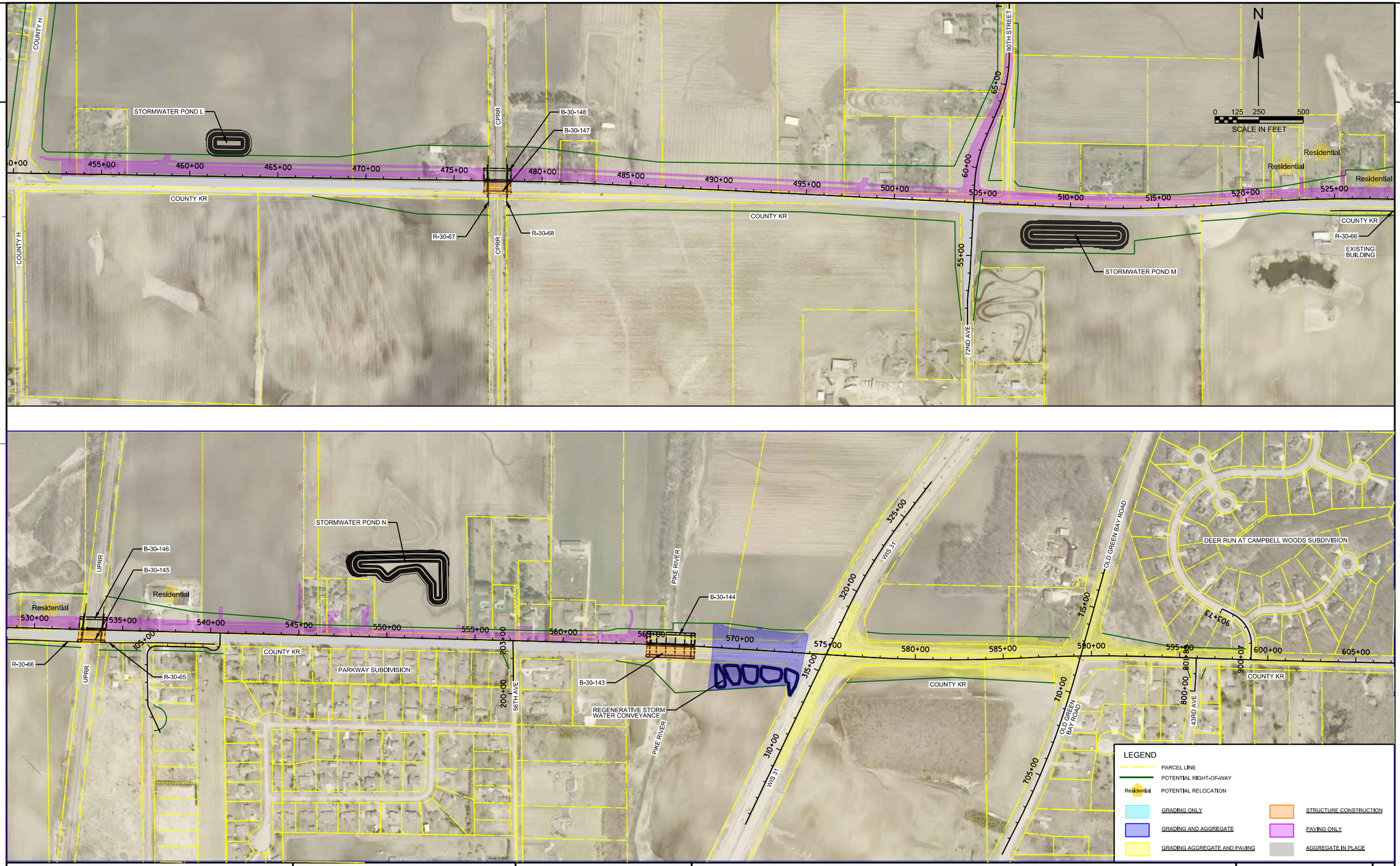
PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CONSTRUCTION STAGING - STAGE 3 (LATE MAY TO MID AUGUST 2021)	SHEET E

PRE_162

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\026001_S3.dgn PLOT DATE : 8/28/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:500

WISDOT/CADDS SHEET 42

2



2

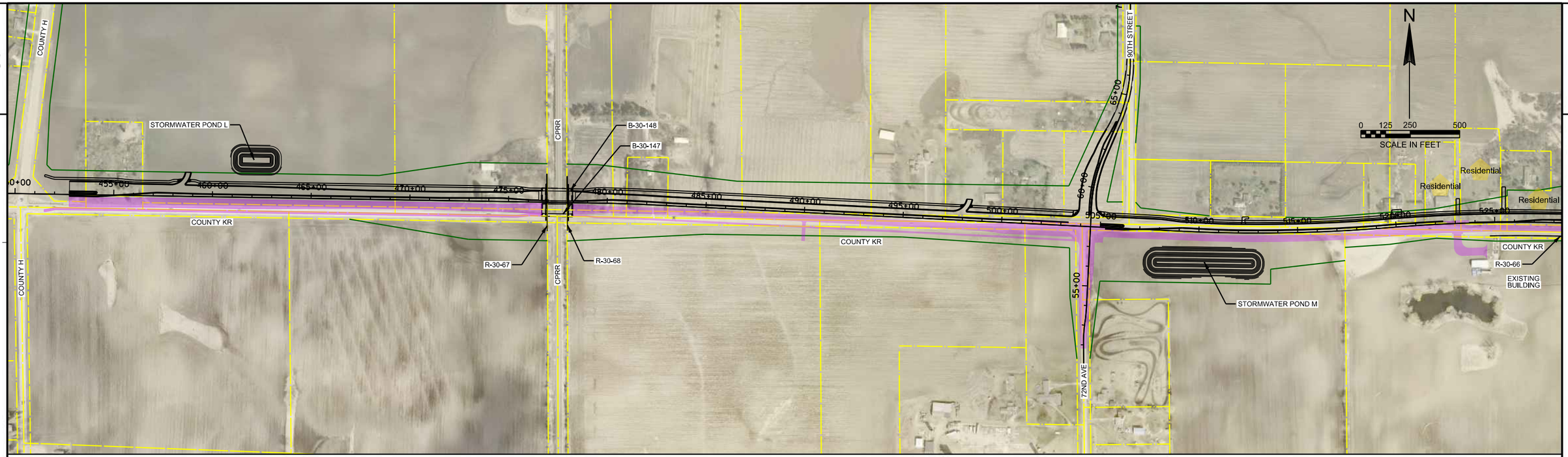
PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CONSTRUCTION STAGING - STAGE 4 (MID AUGUST TO EARLY OCTOBER 2021)	SHEET E

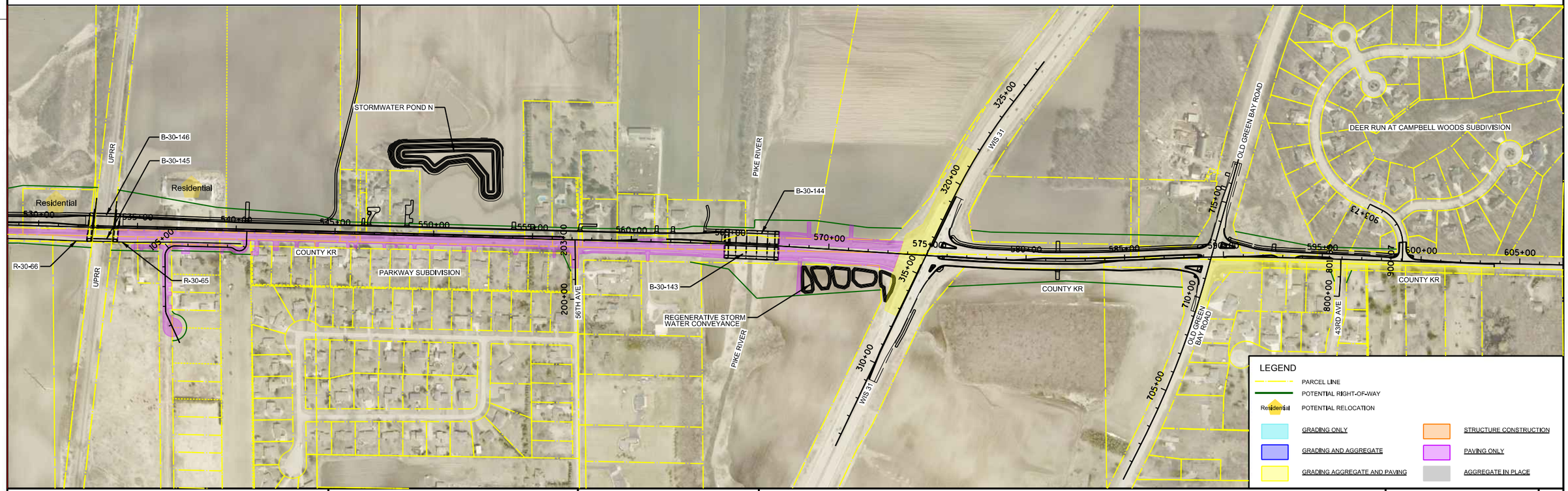
PRE_163

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\026001_S4.dgn PLOT DATE : 8/28/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:500

WISDOT/CADDS SHEET 42

2





PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CONSTRUCTION STAGING - STAGE 5 (EARLY OCTOBER TO LATE NOVEMBER 2021)	SHEET E

PRE_164

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\026001_S5.dgn PLOT DATE : 8/28/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:500

2

WIS 11

WIS 11

COUNTY H

CPRR

90TH STREET

UPRR

WIS 31

BRAUN RD

BRAUN RD

COUNTY H

UPRR

WIS 31

OLD GREEN BAY ROAD

WOOD RD

COUNTY KR

COUNTY KR

COUNTY H

72ND AVE

UPRR

56TH AVE

WIS 31

OLD GREEN BAY ROAD

WOOD RD

COUNTY Y

COUNTY A

COUNTY A

COUNTY A

COUNTY A

LEGEND

DETOUR ROUTE COUNTY H TO WIS 31 (TWO WAY OR EB ONLY)

DETOUR ROUTE DURING WIS 31 TO OLD GREEN BAY ROAD CONSTRUCTION

DETOUR ROUTE COUNTY H TO WIS 31 (TWO WAY OR WB ONLY)

N

PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	DETOUR ROUTE OPTION 1	SHEET E

PRE_165

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\027001_DT.dgn PLOT DATE : 8/28/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:2000

NOTE:
1) SEE CONTROL AND BENCHMARK OVERVIEW FOR BENCHMARKS

RACINE COUNTY

KENOSHA COUNTY

CTH H

CTH KR

PLE

PROPOSED R/W

TLE

BEGIN PROJECT 3763-00-74
STA 452+75.00

BM 435

BM 446

BM 447

BM 467

BM 466

BM 465

BM 464

BM 463

R/L CTH KR

S89°04'04"E
5140.52'

S87°09'05"E
2652.12'

SECTION LINE S89°01'22"E 2672.10'

SECTION LINE S89°11'53"E 2611.63'

SECTION LINE S00°50'28"E 2525.43'

450 455 460 465 470 475 480 485

CURVE KR-3

PI=480+89.01
Y=164941.70
X=607367.74

CAST IRON MONUMENT W/ BRASS CAP
Y=167509.25
X=607275.81
T 3 N R 22 E Sec 33

CAST IRON MONUMENT W/ BRASS CAP
Y=164918.10
X=604638.46
T 2 N R 22 E Sec 32 33

CONCRETE MONUMENT W/ BRASS CAP
Y=164923.50
X=604306.53
T 2 N R 22 E Sec 5 4

CONCRETE MONUMENT W/ BRASS CAP
Y=164877.39
X=607025.19
177+52.17
CLOSING CORNER
T 2 N R 22 E Sec 4 4

CAST IRON MONUMENT W/ BRASS CAP
Y=164872.53
X=607310.18
180+37.20
T 2 N R 22 E Sec 33 33

CURVE KR 3
PC=479+30.12
X=607208.87
Y=164944.28
PI=480+89.01
X=607367.74
Y=164941.70
PT=482+47.87
X=607526.43
Y=164933.80
R=9500.0000
DELTA=1°54'59" RT
D=0°36'11"
L=317.7519
T=158.8908
BK=S 89°04'04" E
AH=S 87°09'05" E

PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	ALIGNMENT PLAN - CTH KR	SHEET E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\027201_AD.dgn PLOT DATE : 8/28/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:250

WISDOT/CADDS SHEET 42

2

END CONSTRUCTION
STA 68+19.35

PI 70+62.15
X=609928.81
Y=166053.82

NOTE:
1) SEE CONTROL AND BENCHMARK OVERVIEW FOR BENCHMARKS

N

T 3 N R 22 E
33 34
33 34
22

PK
MONUMENT
Y=167479.63
X=609926.46

N00°06'23"E
393.96'

CURVE 72-4

PI 65+15.50
X=609927.79
Y=165502.93

N23°08'42"E
190.48'

R/L 90TH ST

RACINE COUNTY

PROPOSED R/W

65

90TH STREET

60

SECTION LINE S00°06'23"W 2643.66'

BM 459

CURVE 72-3

PI 60+35.24
X=609737.91
Y=165058.72

T 3 N R 22 E
33 34

CONCRETE
MONUMENT W/
BRASS CAP
Y=164835.97
X=609921.55
206+48.83

R/L CTH KR

PROPOSED R/W

S87°09'05"E
2652.12'

N02°50'55"E
501.00'

CURVE KR-4

PROPOSED R/W

TLE

PROPOSED R/W

TLE

PI 523+97.23
X=611670.10
Y=164855.56

TLE

485 490 495 500 505 510 515 520

SECTION LINE S89°11'53"E 2611.63'

CTH KR

SECTION LINE S88°59'07"E 2639.94'

BM 462

BM 463

BM 460

BM 461

PROPOSED R/W

PROPOSED R/W

TLE

PROPOSED R/W

TLE

CURVE KR-5

STA 504+50.40 R/L CTH KR =
STA 58+00.56 R/L 72ND AVE

T 2 N R 22 E
4 3

CONCRETE
MONUMENT W/
BRASS CAP
Y=164839.29
X=609683.97
204+11.22
CLOSING CORNER

PROPOSED R/W

55

PROPOSED R/W

PROPOSED R/W

PI 514+29.91
X=610704.54
Y=164775.65

TLE

CURVE 72-2

PI 53+61.36
X=609704.41
Y=164385.61

KENOSHA COUNTY

PI 52+62.12
X=609690.25
Y=164287.14

CURVE 72-1

R/L 72ND AVE

BEGIN CONSTRUCTION
STA 51+81.12

N00°32'54"W
199.89'

PI 50+00.00
X=609692.76
Y=164025.04

SECTION LINE N00°32'54"W 2641.55'

72ND AVE

CURVE KR 4	CURVE KR 5	CURVE 72-1	CURVE 72-2	CURVE 72-3	CURVE 72-4
PC=508+99.99	PRC=519+58.27	PC=51+99.90	PRC=53+24.09	PC=58+99.57	PC=63+58.57
X=610175.28	X=611232.65	X=609690.85	X=609699.11	X=609731.16	X=609866.11
Y=164801.99	Y=164819.36	Y=164224.93	Y=164348.73	Y=164923.21	Y=165358.64
PI=514+29.91	PI=523+97.23	PI=52+62.12	PI=53+61.36	PI=60+35.24	PI=65+15.50
X=610704.54	X=611670.10	X=609690.25	X=609704.41	X=609737.91	X=609927.79
Y=164775.65	Y=164855.56	Y=164287.14	Y=164385.61	Y=165058.72	Y=165502.93
PRC=519+58.27	PT=528+35.31	PRC=53+24.09	PT=53+98.57	PT=61+68.08	PT=66+68.19
X=611232.65	X=612108.91	X=609699.11	X=609706.26	X=609791.24	X=609928.08
Y=164819.36	Y=164844.06	Y=164348.73	Y=164422.83	Y=165183.48	Y=165659.86
R=8000.0000	R=8063.0000	R=815.0000	R=800.0000	R=758.0000	R=770.0000
DELTA=7°34'46" LT	DELTA=6°13'56" RT	DELTA=8°43'51" RT	DELTA=5°20'02" LT	DELTA=20°17'47" RT	DELTA=23°02'20" LT
D=0°42'58"	D=0°42'38"	D=7°01'49"	D=7°09'43"	D=7°33'32"	D=7°26'28"
L=1058.2814	L=877.0387	L=124.1919	L=74.4756	L=268.5123	L=309.6187
T=529.9137	T=438.9522	T=62.2164	T=37.2647	T=135.6779	T=156.9295
BK=S 87°09'05" E	BK=N 85°16'10" E	BK=N 0°32'54" W	BK=N 8°10'58" E	BK=N 2°50'55" E	BK=N 23°08'42" E
AH=N 85°16'10" E	AH=S 88°29'54" E	AH=N 8°10'58" E	AH=N 2°50'55" E	AH=N 23°08'42" E	AH=N 0°06'23" E

PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	ALIGNMENT PLAN - CTH KR	SHEET E

PRE_167

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\027202_AD.dgn PLOT DATE : 8/28/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:250

WISDOT/CADDS SHEET 42

NOTE:
1) SEE CONTROL AND BENCHMARK OVERVIEW FOR BENCHMARKS

RACINE COUNTY

KENOSHA COUNTY

UPRR

CONCRETE MONUMENT W/ BRASS CAP
Y=164789.23
X=612561.09

CONCRETE MONUMENT W/ BRASS CAP
Y=164728.4229
X=615201.1879

CONCRETE MONUMENT W/ BRASS CAP
Y=164793.07
X=612344.61

CONCRETE MONUMENT W
BRASS CAP
Y=164733.09
X=614998.62

PI 523+97.23
X=611670.10
Y=164855.96

STA 540+53.98 R/L CTH KR =
STA 109+83.93 R/L EFR

STA 507+15.76 R/L CTH KR =
STA 203+00.00 R/L 56TH AVE

R/L CTH KR

S88°29'54"E
3667.11'

SECTION LINE S88°59'07"E 2639.94'

SECTION LINE S88°40'50"E 2640.79'

CURVE KR-5

CTH KR

N1°30'6"E
63.0'

CURVE EFR-2

CURVE EFR-4

CURVE EFR-3

N0°33'1"W
274.34'

S88°29'54"E
276.87'

CURVE EFR-1

N24°52'48"W
157.21'

PROPOSED R/W

PI 100+00.00
X=612987.25
Y=164247.41

N00°32'28"W
300.00'

BEGIN CONSTRUCTION
STA 201+40.09
R/L 56TH AVE

PI 200+00.00
X=614991.20
Y=164468.59

56TH AVE

SECTION LINE N0°32'28"W 2607.48'

PROPOSED R/W

TLE

PLE

CURVE KR 5	CURVE EFR-1	CURVE EFR-2	CURVE EFR-3	CURVE EFR-4
PRC=519+58.27	PC=101+57.21	PC=104+55.33	PC=108+12.54	PC=108+40.54
X=611232.65	X=612921.11	X=612913.28	X=613241.37	X=613266.78
Y=164819.36	Y=164390.03	Y=164687.38	Y=164730.59	Y=164720.17
PI=523+97.23	PI=101+69.29	PI=105+07.16	PI=108+24.02	PI=109+10.84
X=611670.10	X=612916.03	X=612912.78	X=613252.84	X=613323.66
Y=164855.56	Y=164400.98	Y=164739.20	Y=164730.29	Y=164678.87
PT=528+35.31	PT=101+80.99	PT=105+35.66	PT=108+34.80	PT=109+20.93
X=612108.91	X=612915.91	X=612964.59	X=613262.13	X=613325.51
Y=164844.06	Y=164413.06	Y=164737.85	Y=164723.54	Y=164749.14
R=8063.0000	R=56.0000	R=50.0000	R=37.0000	R=37.0000
DELTA=6°13'56" RT	DELTA=24°19'47" RT	DELTA=92°03'07" RT	DELTA=34°28'48" RT	DELTA=124°28'48" LT
D=0°42'38"	D=102°18'50"	D=114°35'30"	D=154°51'12"	D=154°51'12"
L=877.0387	L=23.7794	L=80.3305	L=22.2662	L=80.3856
T=438.9522	T=12.0716	T=51.8235	T=11.4817	T=70.2956
BK=N 85°16'10" E	BK=N 24°52'48" W	BK=N 0°33'01" W	BK=S 88°29'54" E	BK=S 54°01'06" E
AH=S 88°29'54" E	AH=N 0°33'01" W	AH=S 88°29'54" E	AH=S 54°01'06" E	AH=N 1°30'06" E

PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	ALIGNMENT PLAN - CTH KR	SHEET E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\027203_AD.dgn PLOT DATE : 8/28/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:250

WISDOT/CADDS SHEET 42

CURVE KR 6	CURVE KR 7	CURVE KR 8	CURVE 31-1	CURVE OGBR-1	CURVE 43-1
PC=565+02.43	PC=576+85.10	PRC=586+22.90	PC=318+78.67	PC=702+00.28	PC=800+60.12
X=615774.76	X=616955.26	X=617892.50	X=616883.77	X=617852.15	X=618859.65
Y=164747.96	Y=164677.31	Y=164671.49	Y=164940.13	Y=163734.51	Y=164541.95
PI=566+56.89	PI=581+54.54	PI=589+16.11	PI=321+73.99	PI=706+53.88	PI=800+85.75
X=615929.17	X=617423.71	X=618185.31	X=617010.66	X=618057.00	X=618861.56
Y=164743.91	Y=164646.90	Y=164686.85	Y=165206.80	Y=164139.21	Y=164567.52
PT=568+11.31	PRC=586+22.90	PT=592+09.06	PT=324+67.24	PT=711+04.53	PT=801+11.37
X=616083.31	X=617892.50	X=618478.46	X=617189.06	X=618178.55	X=618862.16
Y=164733.91	Y=164671.49	Y=164680.73	Y=165442.14	Y=164576.21	Y=164593.14
R=8000.0000	R=8000.0000	R=8000.0000	R=2877.9100	R=4583.7500	R=1000.0000
DELTA=2°12'44" RT	DELTA=6°42'59" LT	DELTA=4°11'53" RT	DELTA=11°43'04" RT	DELTA=11°18'10" LT	DELTA=2°56'12" LT
D=0°42'58"	D=0°42'58"	D=0°42'58"	D=1°59'27"	D=1°15'00"	D=5°43'46"
L=308.8821	L=937.7967	L=586.1571	L=588.5723	L=904.2416	L=51.2546
T=154.4602	T=469.4360	T=293.2097	T=295.3162	T=453.5927	T=25.6329
BK=S 88°29'54" E	BK=S 86°17'10" E	BK=N 86°59'50" E	BK=N 25°26'50" E	BK=N 26°50'48" E	BK=N 4°16'29" E
AH=S 86°17'10" E	AH=N 86°59'50" E	AH=S 88°48'17" E	AH=N 37°09'54" E	AH=N 15°32'38" E	AH=N 1°20'17" E

NOTE:
1) SEE CONTROL AND BENCHMARK OVERVIEW FOR BENCHMARKS

N

CURVE KR-6
PI 565+56.89
X=615929.17
Y=164743.91
TLE
PROPOSED R/W
560
565
570
SECTION LINE N88°56'10"W 2640.18'
S88°29'54"E
3667.11'
S86°17'10"E
873.79'
PROPOSED R/W

575
580
585
590
595
600
SECTION LINE S88°20'41"E 2638.78'

PI 327+55.20
X=617363.02
Y=165671.61
N37°09'54"E
287.95'
CURVE 31-1
PI 321+73.99
X=617010.66
Y=165206.80
STH 31
325
320
315
310
R/L STH 31

RACINE COUNTY

END CONSTRUCTION
STA 321+78.44

CURVE KR-7
PROPOSED R/W
PI 581+54.54
X=617423.71
Y=164646.90
R/L CTH KR
STA 574+94.03 R/L CTH KR =
STA 316+01.31 R/L STH 31

KENOSHA COUNTY

T 3 N R 22 E
35 35
CONCRETE MONUMENT W/ BRASS CAP
Y=164679.41
X=617840.92

T 2 N R 22 E
2 2
CONCRETE MONUMENT W/ BRASS CAP
Y=164682.69
X=617664.22

PI 719+18.33
X=618396.63
Y=165360.25
N15°32'38"E
813.80'
R/L OLD GREEN BAY ROAD
OLD GREEN BAY ROAD
END CONSTRUCTION
STA 717+09.95
715
710
705
PI 589+16.11
X=618185.31
Y=164686.85
STA 595+94.71 R/L CTH KR =
STA 801+88.99 R/L 43RD AVE
CURVE KR-8
PI 594+18.85
X=618688.20
Y=164676.36
S88°10'5"E
630.05'
PROPOSED R/W
S88°48'17"E
209.78'
PROPOSED R/W
PI 706+53.88
X=618057.00
Y=164139.21
BEGIN CONSTRUCTION
STA 709+24.53
CURVE OGBR-1
N26°50'48"E
200.28'
PI 700+00.00
X=617761.71
Y=163555.81

PI 800+85.75
X=618861.56
Y=164567.52
CURVE 43-1
N04°16'29"E
60.11'
N01°20'17"E
77.61'
PROPOSED R/W
TLE
BEGIN CONSTRUCTION
STA 801+12.99
R/L 43RD AVE
800
43RD AVE
PI 800+00.00
X=618855.17
Y=164482.00
STA 589+38.50 R/L CTH KR =
STA 712+14.12 R/L OLD GREEN BAY ROAD
903
900

N25°26'50"E
1344.97'
BEGIN CONSTRUCTION
STA 309+11.49
PI 305+33.70
X=616305.86
Y=163725.65

PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	ALIGNMENT PLAN - CTH KR	SHEET E

PRE_169

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\027204_AD.dgn PLOT DATE : 8/28/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:250

CURVE KR-9	CURVE KR-10	CURVE VD-1
PC=609+03.70	PC=614+64.62	PC=900+87.23
X=620172.55	X=620732.58	X=619176.76
Y=164638.38	Y=164608.31	Y=164741.29
PI=611+12.89	PI=616+40.97	PI=902+12.45
X=620381.69	X=620908.45	X=619180.38
Y=164634.02	Y=164595.42	Y=164866.56
PT=613+21.99	PT=618+17.26	PT=903+09.62
X=620590.33	X=621084.73	X=619067.82
Y=164618.73	Y=164590.29	Y=164921.29
R=8000.0000	R=8000.0000	R=194.0000
DELTA=2°59'45" RT	DELTA=2°31'32" LT	DELTA=65°40'44" LT
D=0°42'58"	D=0°42'58"	D=29°32'02"
L=418.2886	L=352.6400	L=222.3847
T=209.1920	T=176.3486	T=125.2136
BK=S 88°48'17" E	BK=S 85°48'32" E	BK=N 1°39'19" E
AH=S 85°48'32" E	AH=S 88°20'04" E	AH=N 64°01'25" W

NOTE:
1) SEE CONTROL AND BENCHMARK OVERVIEW FOR BENCHMARKS

N

RACINE COUNTY

KENOSHA COUNTY

N64°01'25"W
63.27'

R/L VICKSBURG DR

CURVE VD-1

PI 903+72.89
X=618900.97
Y=164999.01

PI 902+12.45
X=619180.38
Y=164866.56

END CONSTRUCTION
STA 901+02.99
N01°39'19"E
87.23'

END PROJECT 3763-00-74
STA 603+70.91

PI 611+12.89
X=620381.69
Y=164634.02

CURVE KR-9

R/L CTH KR

S88°48'17"E
854.80'

S85°48'32"E
142.63'

S88°20'4"E
221.47'

PI 620+38.73
X=621396.10
Y=164583.86

CURVE KR-10

PI 616+40.97
X=620908.45
Y=164595.42

CTH, KR

SECTION LINE S88°20'41"E 2638.78'

PI 600+48.90
X=619317.93
Y=164656.22

STA 599+05.33 R/L CTH KR =
STA 900+06.72 R/L VICKSBURG DR

CONCRETE
MONUMENT W/
BRASS CAP
Y=164607.86
X=620316.97

T 2 N R 22 E
2 1

TLE

600 605 610 615 620

900

PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	ALIGNMENT PLAN - CTH KR	SHEET E

PRE_170

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\027205_AD.dgn PLOT DATE : 8/28/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:250

WISDOT/CADDS SHEET 42

R/W PROJECT NUMBER	SHEET NUMBER	TOTAL SHEETS
3763-00-04		
FEDERAL PROJECT NUMBER	4.01	*

PLAT OF RIGHT-OF-WAY REQUIRED FOR

CTH KR / 1ST STREET

CTH "H" TO 90th STREET

LOCAL ROADS — RACINE CO.

CONSTRUCTION PROJECT NUMBER
****-**-**



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 (11, 12, 13, 14, 23, 24, 15, 16)
- SECTION CORNER MONUMENT
- GEODETIC SURVEY MONUMENT
- SIXTEENTH CORNER MONUMENT
- SIGN — SIGN — OFF-PREMISE SIGN (#3-25) SIGN
- R/W MONUMENT (TO BE SET)
- NON-MONUMENTED R/W POINT
- FOUND IRON PIN (I)-INCH UNLESS NOTED) IP

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

CURVE DATA

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

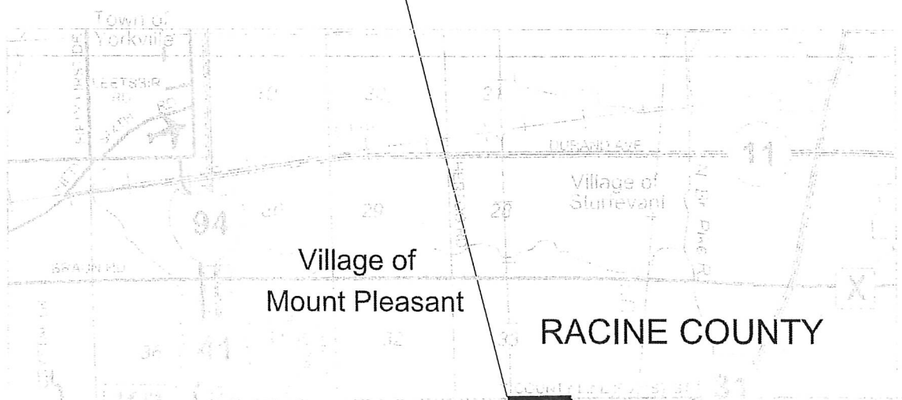
CONVENTIONAL UTILITY SYMBOLS

- WATER
- GAS
- TELEPHONE
- OVERHEAD TRANSMISSION LINES
- ELECTRIC
- CABLE TELEVISION
- FIBER OPTIC
- SANITARY SEWER
- STORM SEWER

BEGIN RELOCATION ORDER

STA. 166+00.00

1234.73 FEET EAST AND 21.06 FEET SOUTH OF THE SOUTHWEST CORNER OF SECTION 33 T3N R22E
N=164897.04
E=605873.19



END RELOCATION ORDER

STA. 206+48.83

0 FEET EAST AND
0 FEET SOUTH OF THE SOUTHEAST CORNER OF SECTION 33 T3N R22E
N = 164835.97
E = 609921.55

N

LAYOUT

SCALE 0 — 1 MI.

TOTAL NET LENGTH OF CENTERLINE = 0.77 MILES

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS) RACINE COUNTY NAD 83 (1997) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 (TYPICAL 3/4 " REBAR) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT BY WISCONSIN DOT SOUTHEAST REGION SURVEY.
RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS.

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 LINES, AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

THE HIGH ACCURACY REFERENCE NETWORK (HARN) POINTS USED ON PROJECT WERE:
1) MOUNT PLEASANT GPS
2) YORKVILLE E GPS

RECEIVED
2019 JUN 25 PM 4:15
REGISTER OF DEEDS
RACINE COUNTY, WI

WISCONSIN
KURT E KRUGER
S-1946
CASCADE, WI
LAND SURVEYOR

May 24, 2018

REVISION DATE
Jan. 16, 2019
May 16, 2019

VILLAGE OF MOUNT PLEASANT

APPROVED BY:

DATE: 6/25/19 (Signature)

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

* DENOTES AREA COMPUTED

4

PROJECT FUNDING I.D.	PARCEL NUMBER	SHEET NUMBER	OWNER	INTEREST REQUIRED	TOTAL ACRES	R/W REQUIRED (ACRES) NEW	EXISTING	TOTAL	TOTAL REMAINING	TLE ACRES	PARCEL NUMBER
3763-00-04	727	4.04	CP RAIL	HE	Vast	0.521	0.076	0.597	Vast		727
3763-00-04	748	4.04	MOUNT PLEASANT	FEE, AR	46.660	3.703	0.584	4.287	42.373		748
3763-00-04	749	4.04	MOUNT PLEASANT	FEE, AR	72.020	3.083	0.514	3.597	68.423		749
3763-00-04	750	4.04	MOUNT PLEASANT	FEE, AR	1.460	0.980	0.159	1.139	0.321		750
3763-00-04	751	4.04, 4.05	MOUNT PLEASANT	FEE, AR	51.370	3.736	0.779	4.515	46.855		751
3763-00-04	755	4.05	MOUNT PLEASANT	FEE, AR	15.000	0.501	0.532	1.033	13.967		755
3763-00-04	756	4.05	MOUNT PLEASANT	FEE, AR	3.202	0.386	0.114	0.500	2.702		756
3763-00-04	757	4.05	MOUNT PLEASANT	FEE, AR	2.900	1.052	0.000	1.052	1.848		757
3763-00-04	758	4.05	MOUNT PLEASANT	FEE, AR	3.100	1.124	0.000	1.124	1.976		758
3763-00-04	759	4.05	JOHN E. LASHELY & PAMELA J. ANTOSH.	FEE, AR	2.968	2.074	0.000	2.074	0.894	0.335	759
3763-00-04	900	4.04, 4.05	WE ENERGIES - ELEC	ROR							900

4

RECEIVED
2019 JUN 25 PM 4:46
RACINE COUNTY CLERK

REVISION DATE	DATE: 05-24-18	SCALE, FEET 0 N/A	HWY: CTH KR	STATE R/W PROJECT NUMBER 3763-00-04	PLAT SHEET 4.02
01-16-19 05-16-19			COUNTY: RACINE	CONSTRUCTION PROJECT NUMBER	PS&E SHEET

FILE NAME : \\kapur-assoc.com\kna\milw\s-drive\DOT\DOT_SE\180049_Foxxconn_roads_data-collection\Survey\Plats\3763-00-04-CTHKR\CDS\04R402_BXT.dgn 6/6/2019 PLOT BY : kkruger PLOT NAME : PLOT SCALE : 1:200

WISDOT/CADDS SHEET TO

T3N - R22E

VILLAGE OF MOUNT PLEASANT

RACINE COUNTY

SECTION 33

SECTION 34

VILLAGE OF MOUNT PLEASANT

NE-SW | NW-SE | NE-SE | NW-SW | NE-SW | NW-SE

SE-SW | SW-SE | SE-SE | SW-SW | SE-SW | SW-SE

748 | 727 | 749 | 750 | 751 | 755 | 756 | 759 | 757 | 758 | 769 | 760 | 761 | 762 | 763 | 765 | 767 | 768 | 787 | 801 | 802 | 803

90TH STREET

4

4

GN

C3-N

T-2-N

BEGIN RELOCATION
STA 166+00.00

500 LINE

CTH KR/CNTY LINE RD./1ST ST.

END RELOCATION
STA 206+48.83

4.04

4.05

NE-NW | NW-NE | NE-NE | NW-NW | NE-NW | NW-NE

72ND AVENUE

SECTION 4

SECTION 3

TOWN OF SOMERS

TOWN OF SOMERS

KENOSHA COUNTY

T2N - R22E

REVISION DATE 01-16-19 05-16-19	DATE: 05-24-18	SCALE: 1" = 200' 0 100 200	HWY: CTH KR	STATE R/W PROJECT NUMBER 3763-00-04	PLAT SHEET 4.03
			COUNTY: RACINE	CONSTRUCTION PROJECT NUMBER	PS&E SHEET

FILE NAME : S:\DOT\DOT_SE\180049_Foxxconn_roads_data-collection\Survey\Plats\3763-00-04-CTHKR\CDS\040403_RL.dgn PLOT DATE : 5/16/2019 PLOT BY : imerriweather PLOT NAME : PLOT SCALE : 1:600

RECEIVED
2018 JUN 25 PM 4:47
RACINE COUNTY CLERK

4

(900) WE ENERGIES - ELEC
DOC. NO. 453647 08-18-1941
POLE LINE ALONG HIGHWAY

SW-SW

SIXTEENTH LINE

RACINE COUNTY

(900) WE ENERGIES - ELEC
DOC. NO. 437399 10-20-1939
POLE LINE ALONG HIGHWAY

SE-SW

VILLAGE OF MOUNT PLEASANT

(748) MT. PLEASANT

(727) CPRR LINE

T 3 N R 22 E
33 33
33 33

CAST IRON
MONUMENT W/
BRASS CAP
Y=167509.25
X=607275.81

SW-SE

(749) MT. PLEASANT

(751) MT. PLEASANT

(900)

GN

4

BEGIN RELOCATION ORDER
STA. 166+00.00
N = 164897.04
E = 605873.19

169+26.91
204.12'

(PRW401) 168+46.49
190.99'

(PRW402) 173+00.00
265.00'

(PRW403) 176+96.54
265.00'

(PRW404) 177+96.57
265.00'

(PRW405) 179+50.80
265.00'

79.06'
S83°13'10"E

24.91'
S89°11'53"E

(PRW780) 186+60.75
-191.00'

186+85.65
-191.00'

459.50'
N81°42'35"E

396.84'
S89°01'22"E

100.02'
S89°1'22"E

154.14'
S89°01'22"E

713.01'
S83°13'10"E

191'

1030.86'
N89°11'53"W

158.04'
191.04'
N0°15'04"W

33'

260.06'
S0°14'14"E

260.06'
S0°14'14"E

257.12'
S0°44'48"E

(750) MT. PLEASANT

33'

191.05'
158.04'
S0°31'59"E

160

SL=RL
2672.10'
N89°1'22"W

165

33.01'

170

770.53'

PL

770.87'
N89°1'22"W

175'

100.00'
100.00'

PL

234.73'

180

235.02'
285.02'

PL

653.03'
S89°11'52"E

185

PL

SL=RL
N89°11'53"W

1029.09'

190

1028.72'

64.39'

66'

CTH KR/CNTY LINE RD./1ST ST.

KENOSHA COUNTY

HWY	BASIS OF EXISTING R/W AND ACCESS CONTROL	YEAR	WIDTH
CTH KR	KENOSHA COUNTY HWY RECORD V1PG 26-27	1850	66

T 3 N R 22 E
32 33

CAST IRON
MONUMENT W/
BRASS CAP
Y=164918.10
X=604638.46
153+65.09

NE-NW

T 2 N R 22 E
4 4

CONCRETE
MONUMENT W/
BRASS CAP
Y=164877.39
X=607025.19
177+52.17
CLOSING CORNER

T 3 N R 22 E
33 33

CAST IRON
MONUMENT W/
BRASS CAP
Y=164872.53
X=607310.18
180+37.20

NW-NE

VILLAGE OF SOMERS

REVISION DATE	DATE: 05-24-18	SCALE, FEET 0 100 200	HWY: CTH KR	STATE R/W PROJECT NUMBER 3763-00-04	PLAT SHEET 4.04
01-16-19 05-16-19			COUNTY: RACINE	CONSTRUCTION PROJECT NUMBER	PS&E SHEET

FILE NAME : S:\DOT\DOT_SE\180049_Foxxconn_roads_data-collection\Survey\Plats\3763-00-04-CTHKR\CDS\040404_RP.dgn PLOT DATE : 5/16/2019 PLOT BY : imerriweather PLOT NAME : PLOT SCALE : 1:200

(900) WE ENERGIES - ELEC
DOC. NO. 437400 10-26-1936
POLE LINE ALONG HIGHWAY
PARCEL 751

(900) WE ENERGIES - ELEC
DOC. NO. 437401 10-21-1936
DISTRIBUTION LINE ALONG HIGHWAY
IN PARCELS 757, 758 & 759

PK
MONUMENT
Y=167479.63
X=609926.46

T 3 N R 22 E
33 34
33 34

PRW750 205+72.77 1321.65'
27.00'
205+99.77 PRW771 1321.84'

SE-SE

(755) MT. PLEASANT

VILLAGE OF MOUNT PLEASANT

60'
10'
90TH STREET
5'

SW-SW

CURVE 5
PI STA.60+35.24
Y : 165058.72
X : 609737.91
DELTA = 20°17'47"
D = 7°33'32"
T = 135.68'
L = 268.51
R = 758.00
PC STA.58+99.57
Y : 164923.21
X : 609731.16
PT STA.61+68.08
Y : 165183.48
X : 609791.24

CURVE 7
PI STA.65+15.50
Y : 165502.93
X : 609927.79
DELTA = 23°02'20"
D = 7°26'28"
T = 156.93'
L = 309.62
R = 770.00
PC STA.63+58.57
Y : 165358.64
X : 609866.11
PT STA.66+68.19
Y : 165659.86
X : 609928.08

RECEIVED
2019 JUN 25 PM 4:47
REGISTER OF DEEDS
RACINE COUNTY, WI

4

(751) BRAUN

62+62.71
92.50' LT
14.96'
S12°9'18"W
63+31.74
36.85' RT
PRW885
3.12'
S89°11'53"E
142.94'
63+18.24
42.59' RT
63+17.05
39.70' RT

PRW702 205+79.96 730.13'

PT 66+68.19

PRW407 59+33.37 76.55' RT

59+42.77 PRW438 155.11' RT

N89°58'21"E
78.96'
80.32'
33'
33.00'
N0°6'23"E

GN

SW-SE

SIXTEENTH LINE

(756) MT. PLEASANT

(751) MT. PLEASANT

(757) MT. PLEASANT

(758) MT. PLEASANT

PRW781 203+41.30 191.00'
200+06.51 191.00'
197+16.51 191.00'
203+16.51 191.00'

LANDLOCKED

S24°40'46"W 303.30'
S89°59'W 589.59'
S0°6'23"W 435.38'
PT 61+68.08
S12°9'18"W 363.28'
378.25'
355.06'
S0°6'23"W
RL
24.79'
60
Δ= 58°99.57
(759) LASHLEY
297.00'

PC 63+58.57
642.07'
S0°23'90"W 2643.66'

RACINE COUNTY

TO BE VACATED
TLE SLOPES

LOT 2
CSM 1111
DOC. 1187563
LOT 1

1030.86' S89°11'53"E
1029.09'
1028.72'
2611.63' S89°11'53"E
33'
191'
190
195
200
205
210
215
220
290.00'
310.00'
158.01'
191.01'
S0°6'23"W
33.00'
SL=RL
PL
N89°11'53"W
237.61'
204+54.21
50'
2639.95' N88°59'07"W

CTH KR/CNTY LINE RD./1ST ST.

T 3 N R 22 E
3 3 3 4

CONCRETE
MONUMENT W/
BRASS CAP
Y=164793.07
X=612344.61
CLOSING CORNER

T 3 N R 22 E
3 3 3 3

CAST IRON
MONUMENT W/
BRASS CAP
Y=164872.53
X=607310.18
188+19.17

KENOSHA COUNTY

NE-NE

T 2 N R 22 E
4 3

CONCRETE
MONUMENT W/
BRASS CAP
Y=164839.29
X=609683.97
204+11.22
CLOSING CORNER

72ND AVENUE

CONCRETE
MONUMENT W/
BRASS CAP
Y=164835.97
X=609921.55
206+48.83

T 3 N R 22 E
33 34

END RELOCATION ORDER
STA. 206+48.83
N=164760.9020
E=610151.9296

NW-NW

VILLAGE OF SOMERS

T 3 N R 22 E
3 4 3 4

CONCRETE
MONUMENT W/
BRASS CAP
Y=164789.23
X=612561.09

HWY	BASIS OF EXISTING R/W AND ACCESS CONTROL	YEAR	WIDTH
CTH KR	KENOSHA COUNTY HWY RECORD V1 PG 26-27	1850	66
CTH KR	CSM 1111	1985	50
90TH	SS 82.31(2)		66

REVISION DATE 01-16-19 05-16-19	DATE: 05-24-18	SCALE, FEET 0 100 200	HWY: CTH KR	STATE R/W PROJECT NUMBER 3763-00-04	PLAT SHEET 4.05
			COUNTY: RACINE	CONSTRUCTION PROJECT NUMBER	PS&E SHEET

FILE NAME : S:\DOT\DOT_SE\180049_Foxxconn_roads_data-collection\Survey\Plats\3763-00-04-CTHKR\CDS\040405_RP.dgn
PLOT DATE : 5/17/2019
PLOT BY : kkruger
PLOT NAME :
PLOT SCALE : 1:200

WISDOT/CADDS SHEET 70

R/W PROJECT NUMBER	SHEET NUMBER	TOTAL SHEETS
3763-00-04RC	4.01	*
FEDERAL PROJECT NUMBER		

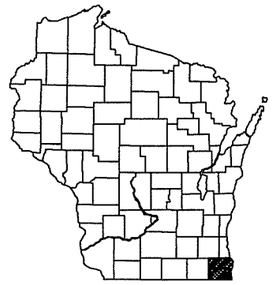
PLAT OF RIGHT-OF-WAY REQUIRED FOR

CTH KR / 1ST STREET

90th STREET TO 2050 FEET
EAST OF OLD GREEN BAY ROAD

LOCAL ROADS — RACINE CO.

CONSTRUCTION PROJECT NUMBER
****-**-**



CONVENTIONAL SYMBOLS

SECTION LINE		SECTION CORNER SYMBOL	
QUARTER LINE		R/W MONUMENT (TO BE SET)	
SIXTEENTH LINE		NON-MONUMENTED R/W POINT	
NEW REFERENCE LINE		SECTION CORNER MONUMENT	
NEW R/W LINE		FOUND IRON PIN (1-INCH UNLESS NOTED)	IP
EXISTING R/W OR HE LINE		GEODETIC SURVEY MONUMENT	
PROPERTY LINE	PL	SIXTEENTH CORNER MONUMENT	
LOT, TIE & OTHER MINOR LINES		SIGN	SIGN
SLOPE INTERCEPT		OFF-PREMISE SIGN	41-25 SIGN

	COMPENSABLE	NON-COMPENSABLE
ELECTRIC POLE		
TELEPHONE POLE		
PEDESTAL (LABEL TYPE) (TV, TEL, ELEC, ETC.)		

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

CURVE DATA

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

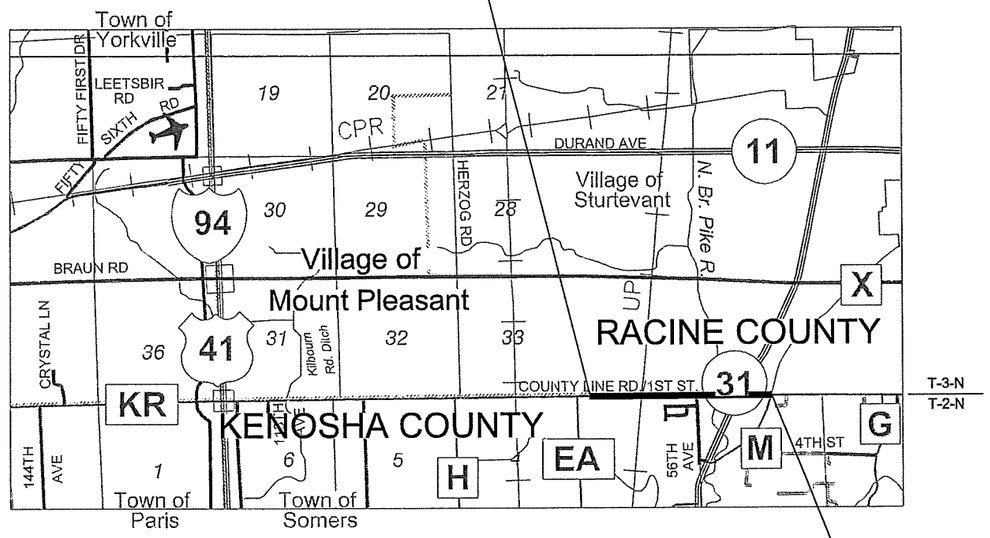
CONVENTIONAL UTILITY SYMBOLS

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

BEGIN RELOCATION ORDER

STA. 506+44.89

21.30 FEET SOUTH AND
1.06 FEET WEST OF THE SOUTHEAST
CORNER OF SECTION 33 T3N R22E
N = 164835.97
E = 609921.55



END RELOCATION ORDER

STA. 610+48.99

26.18 FEET NORTH AND
0.80 FEET EAST OF THE NORTHEAST
CORNER OF SECTION 2 T2N R22E
N = 620317.77
E = 164634.03

R-21-E | R-22-E

N

LAYOUT

SCALE 0 — 1 MI.

TOTAL NET LENGTH OF CENTERLINE = 1.970 MILES

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS) RACINE COUNTY NAD 83 (1997) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES. GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 (TYPICAL 3/4 " REBAR) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT BY WISCONSIN DOT SOUTHEAST REGION SURVEY.
RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS.

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 LINES, AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

THE HIGH ACCURACY REFERENCE NETWORK (HARN) POINTS USED ON PROJECT WERE:
1) MOUNT PLEASANT GPS
2) YORKVILLE E. GPS

WISCONSIN — KURT E. KRUGER — S-1946 — CASCADE, WI — LAND SURVEYOR

MAY, 13, 2019

REVISION DATE
-

RACINE COUNTY

APPROVED BY:

DATE: 5/23/19 (Signature)

PRE_176

FILE NAME : S:\DOT\DOT_SE\180049\Survey\Plats\3763-00-04-CTHKR_RC\CDS
APPRAISAL PLAT DATE :

PLOT DATE : 4/16/2019 PLOT BY : imerriweather PLOT NAME : PLOT SCALE : 1:3200

4.01

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

* DENOTES AREA COMPUTED

PARCEL NUMBER	SHEET NUMBER	OWNER(S)	INTEREST REQUIRED	TOTAL ACRES	R/W REQUIRED (ACRES) NEW	EXISTING	TOTAL	TOTAL REMAINING	PLE ACRES	TLE ACRES	PARCEL NUMBER
760	4.05	ZACHARY J, and MARY M SCHULZ	FEE, AR	2.489	0.166	0.000	0.166	2.323			760
761	4.05	EDWARD D KUIPER	TLE, AR	2.440						0.024	
762	4.05	ELSIE ANDERSON GOULDING	FEE, AR	9.010	0.215	0.300	0.515	8.495			762
763	4.05	KATHLEEN MURPHY and SCOTT ALLEN GUSTIN	FEE, TLE, AR	1.900	0.310	0.100	0.410	1.490		0.025	763
764	4.05	NJI DEVELOPMENT, LLC	FEE	47.540	0.076	0.000	0.076	47.464			764
765	4.05	BRANDON and RACHEL LUEER	FEE, AR	1.420	0.275	0.000	0.275	1.145			765
766	4.05	RICCHIO ETAL	FEE, TLE, AR	24.330	1.709	0.295	2.004	22.326		0.030	766
767	4.05	RICCHIO ETAL	FEE, AR	2.424	0.552	0.152	0.704	1.720			767
768	4.05	PHILLIP LASHLEY	FEE, TLE	1.330	0.118	0.025	0.143	1.187		0.042	768
769	4.05	VERA VIDOSAVLJEVIC	FEE	9.010	0.132	0.000	0.132	8.878			769
770	4.05	BORZYNSKI BROTHERS PROPERTIES	FEE	25.350	0.091	0.000	0.091	25.259			770
784	4.06	UP RAILROAD	HE	VAST	0.478	0.057	0.535	VAST			784
787	4.06	NJI DEVELOPMENT, LLC	FEE, TLE, AR	62.390	3.468	0.872	4.340	58.050		0.075	787
788	4.06	MT PLEASANT VILLAGE OF	FEE, TLE, AR	73.470	0.402	0.000	0.402	73.068		6.377	788
799	4.05	ADAN VENTURA PEREZ *	FEE,	1.959	1.690	0.269	1.959	0.000			799
801	4.06	LEE BERNHARDT	FEE, PLE, TLE, AR	1.080	0.192	0.077	0.269	0.811	0.013	0.041	801
802	4.06	LEE P BARNHARDT	FEE, TLE, AR	0.870	0.136	0.000	0.136	0.734		0.264	802
803	4.06	LESLIE and MARK MAJ	FEE, TLE, AR	1.080	0.169	0.000	0.169	0.911		0.114	803
805	4.06	HELEN L MCCROSSEN	FEE, PLE, TLE, AR	2.360	0.205	0.106	0.311	2.049	0.011	0.066	805
806	4.06	GLEN F HEFLEN	FEE, PLE, TLE, AR	1.060	0.192	0.100	0.292	0.768	0.017	0.056	806
807	4.06	JOANNE M RAMCKE	FEE, AR	2.490	0.014	0.000	0.014	2.476		0.011	807
808	4.06	JOHN I RAMCKE	FEE, PLE, TLE, AR	1.000	0.256	0.133	0.389	0.611	0.043	0.053	808
831	4.07	EUGENE FINK	FEE, TLE, AR	1.210	0.199	0.000	0.199	1.011		0.069	831
832	4.07	MT PLEASANT VILLAGE OF	FEE, TLE, AR	2.070	0.619	0.170	0.789	1.281		0.335	832
833	4.07	MT PLEASANT VILLAGE OF	FEE, AR	45.010	0.684	0.000	0.684	44.326			833
834	4.07	EUGENE FINK	FEE, TLE, AR	20.750	0.645	0.000	0.645	20.105		0.010	834
835	4.07, 08	CRYSTAL A FINK	FEE, AR	9.250	1.308	0.469	1.777	7.473			835
836	4.08	SENIOR CAMPUS AT CAMPBELL WOOD	FEE, AR	3.620	0.687	0.000	0.687	2.933			836
848	4.08	LYNDSAY N AND WENDY M KNOELL	FEE	0.760	0.017	0.000	0.017	0.743			848
849	4.08	ROBERT AND JOAN EVANGELISTI REV. TRUST	FEE	0.610	0.043	0.000	0.043	0.567			849
850	4.08	ANDRE L AND VERONICA R STEWARD TRUST	FEE	0.560	0.051	0.000	0.051	0.509			850
851	4.08	DEER RUN AT CAMPBELL WOODS	FEE	0.176	0.029	0.000	0.029	0.148			851
852	4.08	DEER RUN AT CAMPBELL WOODS	FEE	0.245						0.016	852

Utility Number	SHEET NUMBER	OWNER(S)	INTEREST REQUIRED
900	4.05 -4.08	WE ENERGIES - ELECTRIC	RELEASE OF RIGHTS
902	4.05, 4.06	MOUNT PLEASANT STORM WATER DRAINAGE DISTRICT NO. 1	RELEASE OF RIGHTS
904	4.06, 4.08	AT&T WISCONSIN	RELEASE OF RIGHTS
905	4.05, 4.08	AMERICAN TRANSMISSION COMPANY	RELEASE OF RIGHTS
906	4.06	CENTURYLINK, fna. QWEST	RELEASE OF RIGHTS
907	4.08	CHARTER COMMUNICATIONS	RELEASE OF RIGHTS
908	4.06	US SPRINT	RELEASE OF RIGHTS
909	4.05, 4.07, 4.08	VILLAGE OF MOUNT PLEASANT	RELEASE OF RIGHTS
910	4.08	RACINE WATER WORKS COMMISSION	RELEASE OF RIGHTS

4

4

REVISION DATE	DATE: MAY 13, 2019	SCALE, FEET 0 100	HWY: CTH KR	STATE R/W PROJECT NUMBER 3763-00-04RC	PLAT SHEET 4.02
			COUNTY: RACINE	CONSTRUCTION PROJECT NUMBER	PS&E SHEET PRE_177

FILE NAME : S:\DOT\DOT_SE\180049\Survey\Plats\3763-00-04-CTHKR_RC\CDS PLOT DATE : 5/13/2019 PLOT BY : lmerriweather PLOT NAME : PLOT SCALE : 1:200

WISDOT/CADDS SHEET 70

T3N - R22E

NE-SE

SECTION 33

90TH STREET

NW-SW

VILLAGE OF MOUNT PLEASANT

RACINE COUNTY

NE-SW

SECTION 34

UP RAILROAD

NW-SE

N

P/L

70+00

4.05

4.06

SE-SE

SW-SW

SE-SW

SW-SE

SE-SE

T 3 N R 22 E 33 34

T 3 N R 22 E 34 35

60+00

500+00

510+00

520+00

530+00

540+00

550+00

560+00

109+84

T-3-N

T-2-N

CTH KR/CNTY LINE RD./1ST ST.

BEGIN RELOCATION
STA. 506+44.89

T 3 N R 22 E 4 3

T 3 N R 22 E 3 2

100+00

NE-NE

NW-NW

NE-NW

NW-NE

NE-NE

4.05

SECTION 4

72ND AVENUE

KENOSHA COUNTY

SECTION 3

TOWN OF SOMERS

T2N - R22E

REVISION DATE	DATE: MAY 13, 2019	SCALE, FEET 0 500	HWY: CTH KR	STATE R/W PROJECT NUMBER 3763-00-04RC	PLAT SHEET 4.03
			COUNTY: RACINE	CONSTRUCTION PROJECT NUMBER	PS&E SHEET PRE_178

FILE NAME : S:\DOT\DOT_SE\180049\Survey\Plats\3763-00-04-CTHKR_RC\CDS

PLOT DATE : 5/13/2019 PLOT BY : imerriweather PLOT NAME : PLOT SCALE : 1:500

WISDOT/CADDS SHEET 70

VILLAGE OF MOUNT PLEASANT

RACINE COUNTY

KENOSHA COUNTY

TOWN OF SOMERS

T3N - R22E

T2N - R22E

T-3-N

T-2-N

P/L

CTH KR/CNTY LINE RD./1ST ST.

CTH 31/ S GREEN BAY RD.

OLD GREEN BAY RD.

VICKSBURG DR.

HILLWOOD CT.

4.07

4.08

NE-SE

NW-SW

NE-SW

NW-SE

NE-SE

SE-SE

SW-SW

SW-SE

NE-NE

NW-NW

NW-NE

SE-NE

SW-NW

SW-NE

807 808 806 831 832 833 834 835 836 848 849 850 851 852

203+00 200+00 560+00 570+00 580+00 590+00 600+00 610+00 620+00 320+00 310+00 710+00

END RELOCATION
STA. 610+48.99

N

4 4

REVISION DATE	DATE: MAY 13, 2019	SCALE, FEET 0 500	HWY: CTH KR	STATE R/W PROJECT NUMBER 3763-00-04RC	PLAT SHEET 4.04
			COUNTY: RACINE	CONSTRUCTION PROJECT NUMBER	PS&E SHEET

PRE_179

FILE NAME : S:\DOT\DOT_SE\180049\Survey\Plats\3763-00-04-CTHKR_RC\CDS PLOT DATE : 5/13/2019 PLOT BY : jmerriweather PLOT NAME : PLOT SCALE : 1:500

WISDOT/CADDS SHEET 70

RACINE COUNTY

VILLAGE OF MOUNT PLEASANT

SW-SW

SE-SW

NW-NW

NE-NW

CTH KR/CNTY LINE RD./1ST ST.

TOWN OF SOMERS
KENOSHA COUNTY

BEGIN RELOCATION ORDER
STA. 506+44.89

PK MONUMENT
Y=167479.63
X=609926.46

CONC. MON. W/ BRASS CAP
Y=164839.29
X=609683.97
STA. 504+07.44
OFFSET 12.83'LT
CLOSING CORNER

CONCRETE MONUMENT W/ BRASS CAP
Y=164835.97
X=609921.55
STA. 506+44.89
OFFSET 21.33'LT

CONCRETE MONUMENT
Y=162197.84
X=609709.24

CONCRETE MONUMENT
Y=167434.99
X=612568.19

CONC., W/ BRASS CAP
Y=164793.07
X=612344.61
STA 530+72.27,
44.79' RT
CLOSING CORNER

CONCRETE MONUMENT W/ BRASS CAP
Y=164789.23
X=612561.09
STA 532+88.78,
42.96' RT

CONCRETE MONUMENT
Y=162157.06
X=612369.93

(900) WE ENERGIES - ELECTRIC
PARCEL 760 - DOC. NO. 437402
PARCEL 760 - DOC. NO. 437406
PARCEL 761 - DOC. NO. 437406
PARCEL 770 - DOC. NO. 437406
PARCEL 762 - DOC. NO. 437406
PARCEL 763 - DOC. NO. 437406
PARCEL 763 - DOC. NO. 437422
PARCEL 764 - DOC. NO. 437422
PARCEL 765 - DOC. NO. 437422
PARCEL 766 - DOC. NO. 437422
PARCEL 766 - DOC. NO. 879579
PARCEL 766 - DOC. NO. 879975
PARCEL 766 - DOC. NO. 879976
PARCEL 767 - DOC. NO. 437422
PARCEL 768 - DOC. NO. 437422
PARCEL 769 - DOC. NO. 437422
PARCEL 770 - DOC. NO. 437422
PARCEL 799 - DOC. NO. 879579
PARCEL 799 - DOC. NO. 879975
PARCEL 799 - DOC. NO. 879976

(905) AMERICAN TRANSMISSION COMPANY
PARCEL 766 - DOC. NO. 1763589
PARCEL 799 - DOC. NO. 1763589

(902) MOUNT PLEASANT STORM WATER DRAINAGE DISTRICT NO. 1
PARCEL 763- DOC. NO. 867548
PARCEL 764 - DOC. NO. 867548

(909) VILLAGE OF MOUNT PLEASANT
PARCEL 760 - DOC. NO. 1015607
PARCEL 769 - DOC. NO. 1015607
PARCEL 770 - DOC. NO. 1015607

PARCEL 799 - DOC. NO. 1200826 FIBER DRAIN TILE EASEMENTS DOC. NO. 458889 BETWEEN NEIGHBORS WITH MT. PLEASANT STORM WATER DRAINAGE DISTRICT #1

SHARED DRIVE EASEMENT DOC. NO. 1439726 PAR 767, 768, 766

CURVE 2
PI STA.514+29.91
Y : 164775.65
X : 610704.54
DELTA = 7°34'46"
D = 0°42'58"
T = 529.91'
L = 1058.28'
R = 8000.00'
PC STA.508+99.99
Y : 164801.99
X : 610175.28
PRC STA.519+58.27
Y : 164819.36
X : 611232.65

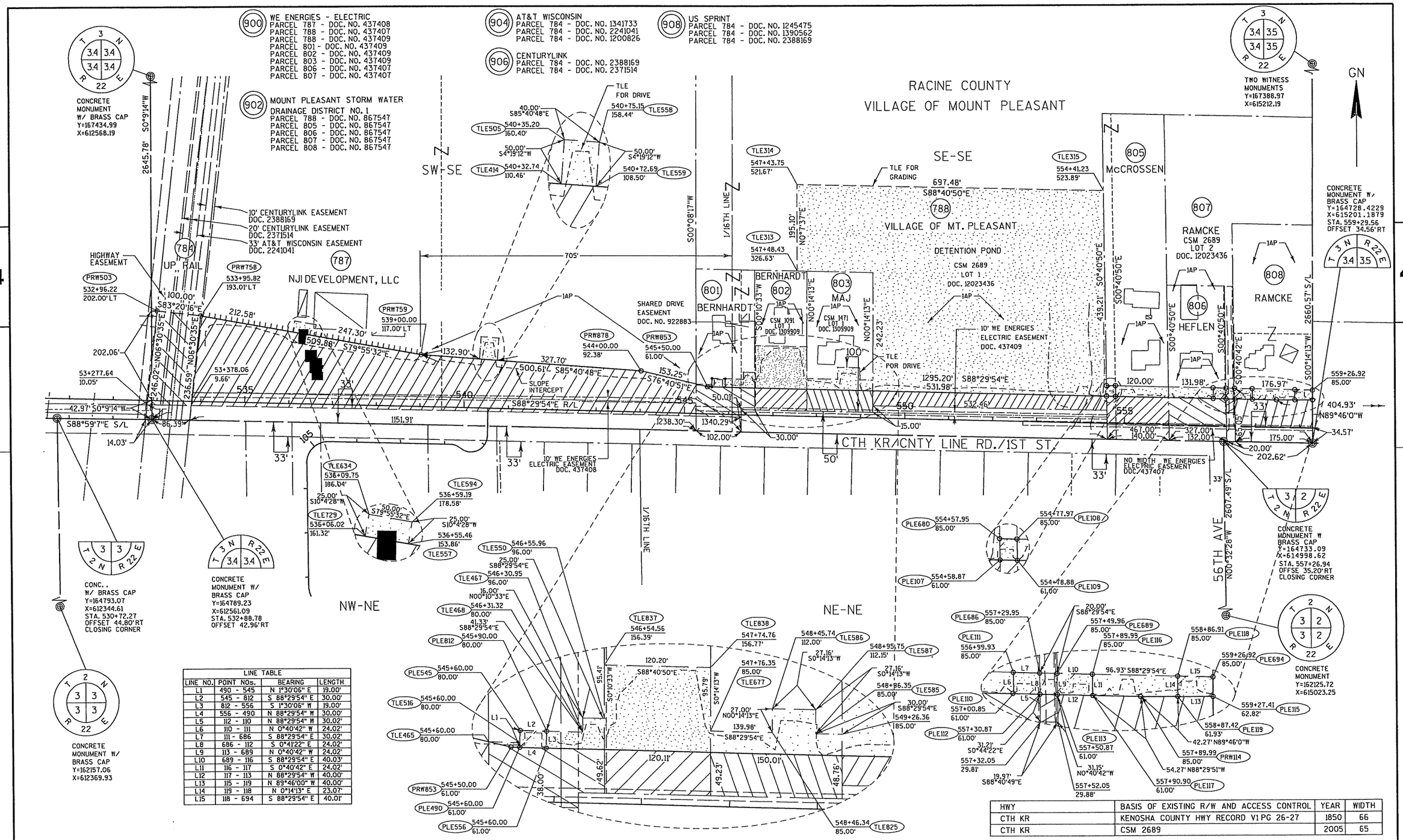
CURVE 3
PI STA.523+97.23
Y : 164855.56
X : 611670.10
DELTA = 6°13'56"R
D = 0°42'38"
T = 438.95'
L = 877.04'
R = 8063.00'
PRC STA.519+58.27
Y : 164819.36
X : 611232.65
PT STA.528+35.31
Y : 164844.06
X : 612108.91

HWY	BASIS OF EXISTING R/W AND ACCESS CONTROL	YEAR	WIDTH
CTH KR	KENOSHA COUNTY HWY RECORD V1 PG 26-27	1850	66
CTH KR	CSM 1111	1985	50
90TH	SS 82.31(2)		66

REVISION DATE	DATE: MAY 13, 2019	SCALE, FEET 0 100 200	HWY: CTH KR	STATE R/W PROJECT NUMBER 3763-00-04RC
			COUNTY: RACINE	CONSTRUCTION PROJECT NUMBER

PLAT SHEET 4.05
PS&E SHEET PRE_180

FILE NAME : S:\DOT\DOT_SE\180049\Survey\Plots\3763-00-04-CTHKR_RC\CDS
PLOT DATE : 5/13/2019
PLOT BY : lmerriweather
PLOT NAME :
PLOT SCALE : 1:200
WISDOT/CADDS SHEET TO


900 WE ENERGIES - ELECTRIC
PARCEL 787 - DOC. NO. 437408
PARCEL 788 - DOC. NO. 437407
PARCEL 788 - DOC. NO. 437409
PARCEL 801 - DOC. NO. 437409
PARCEL 802 - DOC. NO. 437409
PARCEL 803 - DOC. NO. 437409
PARCEL 806 - DOC. NO. 437407
PARCEL 807 - DOC. NO. 437407
902 MOUNT PLEASANT STORM WATER DRAINAGE DISTRICT NO. 1
PARCEL 788 - DOC. NO. 867547
PARCEL 805 - DOC. NO. 867547
PARCEL 806 - DOC. NO. 867547
PARCEL 807 - DOC. NO. 867547
PARCEL 808 - DOC. NO. 867547
904 AT&T WISCONSIN
PARCEL 784 - DOC. NO. 1341733
PARCEL 784 - DOC. NO. 2241041
PARCEL 784 - DOC. NO. 1200826
906 CENTURYLINK
PARCEL 784 - DOC. NO. 2388169
PARCEL 784 - DOC. NO. 2371514
908 US SPRINT
PARCEL 784 - DOC. NO. 1245475
PARCEL 784 - DOC. NO. 1390562
PARCEL 784 - DOC. NO. 2388169
RACINE COUNTY
VILLAGE OF MOUNT PLEASANT
CONCRETE MONUMENT W/ BRASS CAP Y=167434.99 X=612568.19
TWO WITNESS MONUMENTS Y=167388.97 X=615212.19
GN
CONCRETE MONUMENT W/ BRASS CAP Y=164728.4229 X=615201.1879 STA. 559+29.56 OFFSET 34.56' RT
CONC.. W/ BRASS CAP Y=164793.07 X=612344.61 STA. 530+72.27 OFFSET 44.80' RT CLOSING CORNER
CONCRETE MONUMENT W/ BRASS CAP Y=164789.23 X=612561.09 STA. 532+88.78 OFFSET 42.96' RT
CONCRETE MONUMENT W/ BRASS CAP Y=162157.06 X=612369.93
CONCRETE MONUMENT W BRASS CAP Y=164733.09 X=614998.62 STA. 557+26.94 OFFSE 35.20' RT CLOSING CORNER
CONCRETE MONUMENT Y=162125.72 X=615023.25
SW-SE
SE-SE
NW-NE
NE-NE
784 UP RAIL
787 NJI DEVELOPMENT, LLC
788 VILLAGE OF MT. PLEASANT
801 BERNHARDT
802 BERNHARDT
803 MAJ
805 McCROSSEN
806 HEFLEN
807 RAMCKE CSM 2689 LOT 2 DOC. 12023436
808 RAMCKE
DETENTION POND CSM 2689 LOT 1 DOC. 12023436
CSM 3091 LOT 1 DOC. 1309909
CSM 1471 LOT 1 DOC. 1309909
SHARED DRIVE EASEMENT DOC. NO. 922883
10' CENTURYLINK EASEMENT DOC. 2388169
20' CENTURYLINK EASEMENT DOC. 2371514
33' AT&T WISCONSIN EASEMENT DOC. 2241041
10' WE ENERGIES ELECTRIC EASEMENT DOC. 437408
10' WE ENERGIES ELECTRIC EASEMENT DOC. 437409
NO WIDTH WE ENERGIES ELECTRIC EASEMENT DOC. 437407
1/16TH LINE
CTH KR/CNTY LINE RD./1ST ST
56TH AVE
TLE FOR DRIVE
TLE FOR GRADING
SLOPE INTERCEPT
HIGHWAY EASEMENT
PRW503 532+96.22 202.00' LT
PRW758 533+95.82 193.01' LT
PRW759 539+00.00 117.00' LT
PRW878 544+00.00 92.38'
PRW853 545+50.00 61.00'
PRW114
PRW853 545+50.00 61.00'
PLE490 545+60.00 61.00'
PLE556 545+60.00 61.00'
TLE634 536+09.75 186.04'
TLE729 536+06.02 161.32'
TLE594 536+59.19 178.58'
TLE557
TLE505 540+35.20 160.40'
TLE414 540+32.74 110.46'
TLE558 540+75.15 158.44'
TLE559 540+72.69 108.50'
TLE313 547+48.43 326.63'
TLE314 547+43.75 521.67'
TLE315 554+41.23 523.89'
TLE550 546+55.96 96.00'
TLE467 546+30.95 96.00'
TLE468 546+31.32 80.00'
PLE812 545+90.00 80.00'
PLE545 545+60.00 80.00'
TLE516 545+60.00 80.00'
TLE465 545+60.00 80.00'
TLE837 546+54.56 156.39'
TLE838 547+74.76 156.77'
TLE677 547+76.35 85.00'
TLE586 548+45.74 112.00'
TLE587 548+95.75 112.15'
TLE585 548+86.35 85.00'
TLE825 548+46.34 85.00'
PLE680 554+57.95 85.00'
PLE107 554+58.87 61.00'
PLE108 554+77.97 85.00'
PLE109 554+78.88 61.00'
PLE686 557+29.95 85.00'
PLE111 556+99.93 85.00'
PLE689 557+49.96 85.00'
PLE116 557+89.99 85.00'
PLE118 558+86.91 85.00'
PLE694 559+26.92 85.00'
PLE110 557+00.85 61.00'
PLE112 557+30.87 61.00'
PLE113 557+50.87 61.00'
PLE114 557+89.99 85.00'
PLE115 559+27.41 62.82'
PLE119 558+87.42 61.93'
PLE117 557+90.90 61.00'
557+32.05 29.81'
557+52.05 29.88'
L1 L2 L3 L4 L5 L6 L7 L8 L9 L10 L11 L12 L13 L14 L15
2645.78' S0°9'14"W
2660.57' S/L
2660.49' S/L
2645.02' N06°30'35"E
236.59' N06°30'35"E
246.02' N06°30'35"E
S83°20'16"E 100.00'
212.58'
247.30'
509.88' S79°55'32"E
132.90'
327.70'
500.61' S85°40'48"E
153.25' S76°40'51"E
S88°29'54"E R/L
S88°59'7"E S/L
42.97' S0°9'14"W
86.39'
14.03'
1151.91'
705'
S00°08'17"W
NO0°14'13"E
NO0°10'33"W
S00°10'33"W
195.10' NO0°7'37"E
242.23'
439.21' S00°40'50"E
S00°40'50"E
S00°40'42"E
S00°14'13"W
NO0°32'28"W
1295.20' S88°29'54"E
-531.98'
697.48' S88°40'50"E
532.46'
404.93' N89°46'0"W
S88°40'50"E
120.20' S88°40'50"E
150.01'
120.11'
95.41'
95.79'
49.62'
49.23'
48.76'
38.00'
139.98' S88°29'54"E
27.16' S0°14'13"W
27.00' NO0°14'13"E
30.00' S88°29'54"E
31.21' S0°44'22"E
31.15' NO°40'42"W
19.97' S88°40'49"E
42.27' N89°46'0"W
54.27' N88°29'51"W
1238.30'
1340.29'
102.00'
30.00'
15.00'
50.01'
100'
120.00'
131.98'
176.97'
175.00'
34.57'
20.00'
202.62'
467.00'
140.00'
327.00'
132.00'
2660.57' S/L
2607.49' S/L
40.00' S85°40'48"E
50.00' S4°19'12"W
50.00' S4°19'12"W
S79°55'32"E
25.00' S10°4'28"W
25.00' S10°4'28"W
96.93' S88°29'54"E
20.00' S88°29'54"E
L1 490 - 545 N 1°30'06" E 19.00'
L2 545 - 812 S 88°29'54" E 30.00'
L3 812 - 556 S 1°30'06" W 19.00'
L4 556 - 490 N 88°29'54" W 30.00'
L5 112 - 110 N 88°29'54" W 30.02'
L6 110 - 111 N 0°40'42" W 24.02'
L7 111 - 686 S 88°29'54" E 30.02'
L8 686 - 112 S 0°41'22" E 24.02'
L9 113 - 689 N 0°40'42" W 24.02'
L10 689 - 116 S 88°29'54" E 40.03'
L11 116 - 117 S 0°40'42" E 24.02'
L12 117 - 113 N 88°29'54" W 40.00'
L13 115 - 119 N 89°46'00" W 40.00'
L14 119 - 118 S 0°14'13" E 23.07'
L15 118 - 694 S 88°29'54" E 40.01'
HWY | BASIS OF EXISTING R/W AND ACCESS CONTROL | YEAR | WIDTH
CTH KR | KENOSHA COUNTY HWY RECORD V1PG 26-27 | 1850 | 66
CTH KR | CSM 2689 | 2005 | 65
REVISION DATE
DATE: MAY 13, 2019
SCALE, FEET 0 100 200
HWY: CTH KR
COUNTY: RACINE
STATE R/W PROJECT NUMBER 3763-00-04RC
CONSTRUCTION PROJECT NUMBER
PLAT SHEET 4.06
PS&E SHEET PRE_181
FILE NAME : S:\DOT\DOT_SE\180049\Survey\Plats\3763-00-04-CTHKR_RC\CDS
PLOT DATE : 5/13/2019
PLOT BY : imerriweather
PLOT NAME :
PLOT SCALE : 1:200
WISDOT/CADDS SHEET 70

VILLAGE OF MOUNT PLEASANT
RACINE COUNTY

VILLAGE OF SOMERS
KENOSHA COUNTY

CTH KR/CNTY LINE RD./1ST ST.

320 CTH 31/S GREEN BAY RD

56TH AVE

PIKE RIVER

TWO WITNESS MONUMENTS
Y=167388.97
X=615212.19

CONCRETE MONUMENT W/ BRASS CAP
Y=164728.4229
X=615201.1879
STA. 559+29.56
OFFSET 34.56' RT

CONCRETE MONUMENT W
BRASS CAP
Y=164733.09
X=614998.62
STA. 557+26.94
OFFSE 35.20' RT
CLOSING CORNER

CONCRETE MONUMENT W/ BRASS CAP
Y=167322.06
X=617847.63

CONCRETE MONUMENT W/ BRASS CAP
Y=164679.41
X=617840.92
STA. 585+71.73
OFFSET 10.44'L

CONCRETE MONUMENT W/ BRASS CAP
Y=164682.69
X=617664.22
STA. 583+94.92
OPFFSET 19.90'L
CLOSING CORNER

CONCRETE MONUMENT W/ SEWRPC BRASS CAP
Y=162083.99
X=617695.90

(900) WE ENERGIES - ELECTRIC
PARCEL 832 - NO RECORDED EASEMENT
PARCEL 832 - DOC. NO. 1049892

(909) VILLAGE OF MOUNT PLEASANT
RIGHTS IN EXISTING R/W - DOC. NO. 1038090

MOUNT PLEASANT SANITARY EASEMENT DOC. NO. 1038090

10' WE ENERGIES ELECTRIC EASEMENT DOC. 1049892 3-12-1979

66' TOWN RESERVATION CSM 1891

CSM 1891
LOT 1
V. 5, P.751
DOC. 1553907

ACCESS BY WisDOT PROJECT 3340-00-023

ACCESS CONTROL PER PROJECT: 3340-00-23

VILLAGE OF MOUNT PLEASANT DOC. NO. 1038090

SLOPE INTERCEPT

TLE FOR DRIVE

CURVE 4
PI STA.566+56.89
Y : 164743.91
X : 615929.17
DELTA = 2°12'44"
D = 0°42'58"
T = 154.4602'
L = 308.8821
R = 8000.00
PC STA.565+02.43
Y : 164747.96
X : 615774.76
PT STA.568+11.31
Y : 164733.91
X : 616083.31

CURVE 5
PI STA.581+54.54
Y : 164646.90
X : 617423.71
DELTA = 6°42'59"
D = 0°42'58"
T = 469.4360'
L = 937.7967
R = 8000.00
PC STA.576+85.10
Y : 164677.31
X : 616955.26
PRC STA.586+22.90
Y : 164671.49
X : 617892.50

HWY	BASIS OF EXISTING R/W AND ACCESS CONTROL	YEAR	WIDTH
CTH KR	KENOSHA COUNTY HWY RECORD V1 PG 26-27	1850	66
CTH KR	PROJECT I.D. 3340-00-20, DOC. NO. 1158609	1999	VARIES
CTH KR	KENOSHA COUNTY W. D. DOC. NO. 959266	1994	VARIES
STH 31	PROJECT I.D. 3340-00-20, DOC. NO. 1158609	1999	VARIES
STH 31	PROJECT I.D. 3340-00-23	1997	VARIES

REVISION DATE	DATE: MAY 13, 2019	SCALE, FEET 0 100 200	HWY: CTH KR	STATE R/W PROJECT NUMBER 3763-00-04RC	PLAT SHEET 4.07
			COUNTY: RACINE	CONSTRUCTION PROJECT NUMBER	PS&E SHEET PRE_182

FILE NAME : S:\DOT\DOT_SE\180049\Survey\Plats\3763-00-04-CTHKR_RC\CDS
PLOT DATE : 5/13/2019
PLOT BY : imerriweather
PLOT NAME :
PLOT SCALE : 1:200
WISDOT/CADDS SHEET 70

(900) WE ENERGIES - ELECTRIC
RIGHTS IN EXISTING RW - DOC. NO. 312634
PARCEL 836 - DOC. NO. 312634
PARCEL 850 - DOC. NO. 1785733
PARCEL 851 - DOC. NO. 1785733
PARCEL 852 - DOC. NO. 1785733

(904) AT&T WISCONSIN
PARCEL 850 - DOC. NO. 1785733
PARCEL 851 - DOC. NO. 1785733
PARCEL 836 - DOC. NO. 1798829
PARCEL 836 - NO RECORDED EASEMENT
PARCEL 852 - DOC. NO. 1785733

(905) AMERICAN TRANSMISSION COMPANY
PARCEL 836 - DOC. NO. 1763589
RIGHTS IN EXISTING RW - DOC. NO. 312634

(907) CHARTER COMMUNICATIONS
PARCEL 850 - DOC. NO. 1785733
PARCEL 851 - DOC. NO. 1785733
PARCEL 852 - DOC. NO. 1785733

(909) VILLAGE OF MOUNT PLEASANT
PARCEL 858 - DOC. NO. 1347001

(910) RACINE WATER WORKS COMMISSION
PARCEL 836 - NO RECORDED EASEMENT

VILLAGE OF MOUNT PLEASANT
RACINE COUNTY

T 3 N R 22 E — 35 35 35 35

CONCRETE MONUMENT W/ BRASS CAP
Y=167322.06
X=617847.63

CURVE 6
PI STA.589+16.11
Y : 164686.85
X : 618185.31
DELTA = 4°11'53"
D = 0°42'58"
T = 293.21'
L = 586.16
R = 8000.00'
PRC STA.586+22.90
Y : 164671.49
X : 617892.50
PT STA.592+09.06
Y : 164680.73
X : 618478.46

CURVE 5
PI STA.581+54.54
Y : 164646.90
X : 617423.71
DELTA = 6°42'59"
D = 0°42'58"
T = 469.44'
L = 937.80
R = 8000.00
PC STA.576+85.10
Y : 164677.31
X : 616955.26
PRC STA.586+22.90
Y : 164671.49
X : 617892.50

2842.66 N0°08'44"E S/L

OLD GREEN BAY RD.

75' R/W WIDTH VARIES

35' WE ENERGIES ELECTRIC DOC. NO. 312634 AMERICAN TRANSMISSION COMPANY DOC. NO. 1763589

ACCESS CONTROL PER DEER RUN AT CAMBELL WOODS SUBDIVISION

12' DISTRIBUTION EASEMENT WEPCO, AT&T, TIME WARNER DOC. NO. 1785733

LANDSCAPE BUFFER

DEER RUN AT CAMBELL WOODS

BLOCK 2

(835) FINK
(836) SENIOR CAMPUS AT CAMPBELL WOOD
(848) KNOELL
(849) EVANGELIST
(850) STEWARD
(851) OUTLOT 4
(852) OUTLOT 3

VICKSBURG DR.
HILLWOOD CT.

CURVE 10
PI STA.902+12.45
Y : 164866.45
X : 619180.38
DELTA = 65°40'44"
D = 29°32'02"
T = 125.21'
L = 222.38
R = 194.00'
PC STA.900+87.23
Y : 164741.29
X : 619176.76
PT STA.903+09.62
Y : 164921.29
X : 619067.82

12' DISTRIBUTION EASEMENT WEPCO, AT&T, TIME WARNER DOC. NO. 1785733

BLOCK 1

CSM 3131 LOT 1 V. 10, P.221 DOC. 2387317
CSM 3131 LOT 2 V. 10, P.221 DOC. 2387317
CSM 3131 LOT 3 V. 10, P.221 DOC. 2387317
CSM 3131 LOT 4 V. 10, P.221 DOC. 2387317

SEWER EASEMENT, VILLAGE OF MOUNT PLEASANT DOC. NO. 1347001 6-27-1991

PRW512 585+82.98 124.93' 1AP
PRW514 588+78.77 104.85'
PRW517 590+58.87 128.89'
PRW129 594+59.34 79.35'LT' 1AP
PRW520 598+75.15 59.98'LT
TLE879 599+35.18 50.17'LT TLE SLOPES
TLE880 600+76.76 50.30'LT

299.47 S88°20'41"E
N88°20'51"W 274.76'
57.67' S31°32'19"W
411.65 S79°07'21"E
7.00' N01°39'19"E
236.39'
148.53'
413.55 S88°20'41"E 15'
S23°50'02"E
N29°34'08"E
S25°58'27"W
CURVE 10
146.43' N16°40'49"W
903.40'
33.00' N01°39'19"E
518.74'
40.00' N01°39'19"E
65.00' S01°39'19"W
273.21'
19.90'
2638.78 S88°20'41"E S/L

585 590 595 600 605 610

CURVE 5
CURVE 6
CURVE 7
R/L

587+07.45 R/L=S/L
586+22.90 PRC
594+18.85 PI
609+03.70 PC

10' ATT WISCONSIN EASEMENT DOC. NO. 1798829

CTH KR/CNTY LINE RD./1ST ST.

END RELOCATION ORDER
STA. 610+48.99

CONCRETE MONUMENT W/ BRASS CAP
Y=167255.25
X=620479.05

CONCRETE MONUMENT W/ BRASS CAP
Y=164682.69
X=617664.22
STA. 583+94.92
OPFFSET 19.90'L
CLOSING CORNER

CONC. MON. W/ BRASS CAP
Y=164679.41
X=617840.92
STA. 585+71.73
OFFSET 10.44'L

CONCRETE MONUMENT W/ SEWRPC BRASS CAP
Y=162083.99
X=617695.90

CONCRETE MONUMENT W/ BRASS CAP
X=620316.97
Y=164607.85
STA. 610+48.99
OFFSET 4.28'RT
CLOSING CORNER

VILLAGE OF SOMERS
KENOSHA COUNTY

CURVE C8
PI = 589+94.76
Y = 164690.97
X = 618263.85
DELTA= 5°19'22"R
D = 0°42'58"
T = 371.86'
L = 743.18'
R = 8000.00'

C1
L = 16.02'
R = 164.00
LC = 16.02'
LCB = S01°08'39"E

C2
L = 15.22'
R = 224.00'
LC = 15.22'
LCB = N00°17'28"W

EXIST C/L ALIGNMENT
OLD GREEN BAY ROAD
PC = 702+00.28
PT = 711+04.53
DELTA = 15°27'
D = 1°15'
R = 4583.75'
CH = N18°38'30"E
CH = 1230.92'

PRW129 594+59.34 79.35'LT'
411.65 S79°07'21"E
6.72' S88°20'41"E
15'
16.54' N23°18'02"W
32.00' N01°39'19"E
OH
W

CURVE 7
PI STA.611+12.89
Y : 164634.02
X : 620381.69
DELTA = 2°59'45"
D = 0°42'58"
T = 209.19'
L = 418.29
R = 8000.00'
PC STA.609+03.70
Y : 164638.38
X : 620172.55
PT STA.613+21.99
Y : 164618.73
X : 620590.33

HWY	BASIS OF EXISTING R/W AND ACCESS CONTROL	YEAR	WIDTH
CTH KR	KENOSHA COUNTY HWY RECORD V1 PG 26-27	1850	66
CTH KR	DOC. NO. 342645, 344245	1952	VARIES
OLD 31/ GREEN BAY RD	DOC. NO. 342645, 344245	1952	VARIES
CTH KR	DEER RUN AT CAMPBELL WOODS DOC. NO. 1777978	2001	65
CTH KR	CSM 313 DOC. NO. 2387317	2014	65
CTH KR /STH 31	PROJECT ID T0472 (6)	1953	VARIES

REVISION DATE	DATE: MAY 13, 2019	SCALE, FEET 0 100 200	HWY: CTH KR
			COUNTY: RACINE
STATE R/W PROJECT NUMBER 3763-00-04RC	PLAT SHEET 4.08		
CONSTRUCTION PROJECT NUMBER	PS&E SHEET		

PRE_183

FILE NAME : S:\DOT\DOT_SE\1B0049\Survey\Plats\3763-00-04-CTHKR_RC\CDS
PLOT DATE : 5/14/2019 PLOT BY : kkruger PLOT NAME : PLOT SCALE : 1:200
WISDOT/CADDS SHEET 70

R/W PROJECT NUMBER	SHEET NUMBER	TOTAL SHEETS
3763-00-04KC	4.01	*
FEDERAL PROJECT NUMBER		

PLAT OF RIGHT-OF-WAY REQUIRED FOR

CTH KR / 1ST STREET

CTH H TO 2050 FEET
EAST OF OLD GREEN BAY RD

LOCAL ROADS — KENOSHA CO.

CONSTRUCTION PROJECT NUMBER
****-**-**



CONVENTIONAL SYMBOLS

SECTION LINE		SECTION CORNER SYMBOL	R/W MONUMENT (TO BE SET)
QUARTER LINE			NON-MONUMENTED R/W POINT
SIXTEENTH LINE		SECTION CORNER MONUMENT	FOUND IRON PIN (1-INCH UNLESS NOTED) IP
NEW REFERENCE LINE		GEODETIC SURVEY MONUMENT	
NEW R/W LINE		SIXTEENTH CORNER MONUMENT	
EXISTING R/W OR HE LINE		SIGN SIGN	OFF-PREMISE SIGN 41-25 SIGN
PROPERTY LINE	PJ		
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			

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

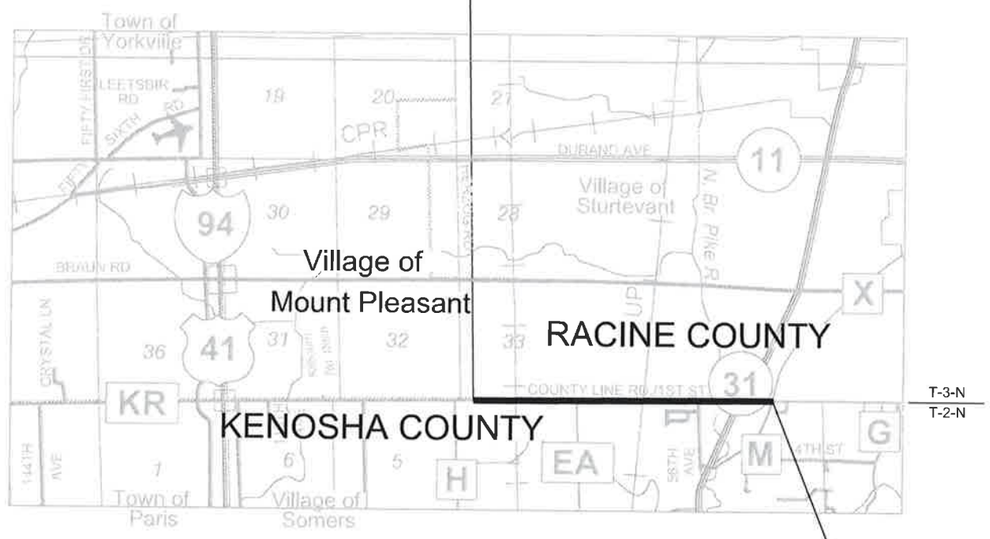
CURVE DATA

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

CONVENTIONAL UTILITY SYMBOLS

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

BEGIN RELOCATION ORDER
STA. 461+00.00
55.96 FEET NORTH AND
740.53 FEET EAST OF THE SOUTHEAST
CORNER OF SECTION 33
N = 164974.06
E = 605378.99



END RELOCATION ORDER
STA. 610+48.99
26.18 FEET NORTH AND
0.80 FEET EAST OF THE NORTHEAST
CORNER OF SECTION 2 T2N R22E
N = 164634.03
E = 620317.77

N

LAYOUT
SCALE 0 — 1 Mi.

TOTAL NET LENGTH OF CENTERLINE = 2.737 MILES

NOTES;

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS) RACINE COUNTY NAD 83 (1997) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 (TYPICAL 3/4 " REBAR) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT BY WISCONSIN DOT SOUTHEAST REGION SURVEY.
RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS.

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 LINES, AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

THE HIGH ACCURACY REFERENCE NETWORK (HARN) POINTS USED ON PROJECT WERE:
1) MOUNT PLEASANT GPS
2) YORKVILLE E. GPS

WISCONSIN
KURT E. KRUGER
S-1946
CASCADE, WI
LAND SURVEYOR
April 1, 2019

REVISION DATE	KENOSHA COUNTY
	APPROVED BY:
	DATE: 4/16/2019 Clement Abrams (Signature)

E

FILE NAME : s-drive◆DOT◆DOT_SE◆180049◆Survey◆Plats◆3763-00-04-CTHKR_KC◆CDS
APPRAISAL PLAT DATE :

PLOT DATE : 3/27/2019 PLOT BY : kkruger PLOT NAME : PLOT SCALE : 1:3200

PRE_184

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

* DENOTES AREA COMPUTED

PARCEL NUMBER	SHEET NUMBER	OWNER(S)	INTEREST REQUIRED	TOTAL ACRES	R/W REQUIRED (ACRES)			TOTAL REMAINING ACRES	PLE ACRES	TLE ACRES	PARCEL NUMBER
					NEW	EXISTING	TOTAL				
424	4.05	GITZLAFF PROPERTIES LLC	FEE, PLE, AR	151.530	1.482	0.759	2.241	149.289	0.076		424
540	4.05, 06	CP RAIL	HE	12.130	0.211	0.152	0.363	12.130			540
541	4.06	ROSSI INVESTMENTS LLP	FEE, TLE, AR	135.990	3.103	1.757	4.860	131.130		0.046	541
542	4.06	ROGER & PENNY JOHANSEN	FEE, AR	6.810	0.802	0.714	1.516	5.294			542
543	4.07	BORZYNSKI BROTHERS PROPERTIES	FEE, PLE, AR	69.080	6.873	1.275	8.148	60.932	0.011		543
544	4.07, 08	KRISTA RECK	FEE, PLE, TLE, AR	83.040	0.826	1.160	1.986	81.054	0.058	0.559	544
545	4.07	PAUL MARESCALCO	FEE, PLE	5.350	0.140	0.226	0.366	4.984	0.005		545
797	4.08	UP RAIL	HE	12.090	0.062	0.076	0.138	12.090			797
809	4.08	DEANE D. SHARPE	FEE	9.960	0.117	0.098	0.215	9.745			809
810	4.08	MARSHA L. ROSE	FEE	0.560	0.092	0.080	0.172	0.388			810
812	4.08	LINDA J. MIELKE	FEE, TLE	1.550	0.186	0.186	0.372	1.178		0.059	812
813	4.08	ERNEST AND ESTHER BEDNAR	FEE	5.110	0.140	0.118	0.258	4.852		0.040	813
814	4.08	MICHAEL HAYE	PLE, TLE, AR	0.480		0.000			0.033	0.041	814
815	4.08	HAROLD E. AND ARLINE V. BOUSE	TLE, AR	0.460		0.000		0.460		0.023	815
817	4.08	KRYSTAL STENHOLT	TLE, AR	0.460		0.000		0.460		0.016	817
824	4.08	CYNTHIA WARNOCK	TLE, AR	0.460				0.460		0.015	824
825	4.08	ADRIAN C. AND JUDITH A. BANKENBUSH	TLE, AR	0.460				0.460		0.011	825
826	4.08	KEVIN V. RANNOW TRUST	TLE, AR	0.920				0.920		0.018	826
827	4.08	MADELINE RICHARDS	FEE, TLE, AR	0.990	0.042	0.000	0.042	0.948		0.017	827
829	4.09	TODD L. CZAMECKI	FEE, AR	2.620	0.006	0.000	0.006	2.614			829
830	4.09	EDWIN G and MARCELLA MUELLER	FEE, AR	22.040	2.564	0.000	2.564	19.476			830
837	4.09, 4.10	EDWIN G and MARCELLA MUELLER	FEE, AR	45.590	2.095	0.902	2.997	42.593			837
839	4.10	RYAN C. AND RACHEL C. MURPHY	TLE, AR	0.730				0.730		0.045	839
840	4.10	JOSIAH J. AND ALYSSA EIDMANN	TLE, AR	0.580				0.580		0.046	840
841	4.10	WILFRED H. AND AMY T. BARTH	FEE, PLE, TLE, AR	0.720	0.017	0.000	0.017	0.703	0.011	0.023	841
842	4.10	RITA I. BARTH TRUST	FEE, TLE, AR	0.570	0.020	0.020	0.040	0.530		0.028	842
843	4.10	RITA I. BARTH TRUST	TLE, AR	4.670				4.670		0.073	843
844	4.10	KAREN ROSE	TLE, AR	4.820				4.820		0.065	844
845	4.10	JK KENOSHA/RACINE LLC	TLE, AR	4.500				4.500		0.154	845
846	4.10	JOZSEF & BARBARA VASS	PLE, TLE	4.340				4.340	0.013	0.085	846
867	4.08	DEAN A ACETO	FEE	2.020	0.182	0.000	0.182	1.838			867

UTILITY NUMBER	SHEET NUMBER	OWNER(S)	INTEREST REQUIRED
900	4.06-4.10	WE ENERGIES - ELECTRIC	RELEASE OF RIGHTS
901	4.06-4.08, 4.10	WE ENERGIES - GAS	RELEASE OF RIGHTS
902	4.09	MOUNT PLEASANT STORM WATER DRAINAGE DISTRICT NO. 1	RELEASE OF RIGHTS
904	4.07-4.10	AT&T WISCONSIN	RELEASE OF RIGHTS
905	4.07,4.10	AMERICAN TRANSMISSION COMPANY	RELEASE OF RIGHTS
906	4.08	CENTURYLINK fna. QWEST	RELEASE OF RIGHTS
907	4.09	CHARTER COMMUNICATIONS	RELEASE OF RIGHTS
908	4.08	US SPRINT	RELEASE OF RIGHTS

4

4

REVISION DATE	DATE: APRIL 1, 2019	SCALE, FEET 0 N/A	HWY: CTH KR	STATE R/W PROJECT NUMBER 3763-00-04KC	PLAT SHEET 4.02	
			COUNTY: KENOSHA	CONSTRUCTION PROJECT NUMBER	PS&E SHEET	E

SECTION 33

T3N - R22E

SECTION 34

VILLAGE OF MOUNT PLEASANT

RACINE COUNTY

NE-SE | NW-SW | NE-SW | NW-SE

SE-SE | SW-SW | SE-SW | SW-SE

CTH H HERZOG ROAD

CP RAIL

90TH STREET

70+00

60+00

450+00 | 460+00 | 470+00 | 480+00 | 490+00 | 500+00 | 510+00 | 520+00 | 530+00

T-3-N

T-2-N

CTH KR/CNTY LINE RD./1ST ST.

88TH AVE

BEGIN RELOCATION
STA. 461+00

424 | 540 | 541 | 542 | 543 | 544 | 545 | 809 | 810

UP RAIL

000+00

NE-NE | NW-NW | NE-NW | NW-NE

4.05 | 4.06 | 4.07

72ND AVENUE

CTH EA

KENOSHA COUNTY

VILLAGE OF SOMERS

SECTION 4

T2N - R22E

SECTION 3

500

REVISION DATE	DATE: APRIL 1, 2019	SCALE, FEET 0 600	HWY: CTH KR	STATE R/W PROJECT NUMBER 3763-00-04KC	PLAT SHEET 4.03	
			COUNTY: KENOSHA	CONSTRUCTION PROJECT NUMBER	PS&E SHEET	E

FILE NAME : s-drive\DOT\DOT_SE\180049\Survey\Plats\3763-00-04-CTHKR_KC\CDS

PLOT DATE : 3/27/2019 PLOT BY : kkruger PLOT NAME : PLOT SCALE : 1:600

WISDOT/CADDS SHEET 70

VILLAGE OF MOUNT PLEASANT

RACINE COUNTY

T3N - R22E

KENOSHA COUNTY

T2N - R22E

VILLAGE OF SOMERS

4.08

4.09

4.10

CTH 31 / GREEN BAY RD

OLD GREEN BAY RD.

CTH KR/CNTY LINE RD./1ST ST.

1st PL

2nd ST

60th AVE

56th AVE

43rd AVE

VICKSBURG DR

HILLWOOD CT

UP RAIL

END RELOCATION STA. 610+48.99

30+00 540+00 550+00 560+00 570+00 320+00 580+00 590+00 600+00 610+00 100+00 310+00 710+00

NE-SE NW-SW NE-SW NW-SE NE-SE SE-SE SW-SE SE-SW NE-NE NW-NE NW-NW SW-NW SE-NE SW-NE

REVISION DATE	DATE: APRIL 1, 2019	SCALE, FEET 0 600	HWY: CTH KR	STATE R/W PROJECT NUMBER 3763-00-04KC	PLAT SHEET 4.04
			COUNTY: KENOSHA	CONSTRUCTION PROJECT NUMBER	PS&E SHEET E

FILE NAME : s-drive\DOT\DOT_SE\180049\Survey\Plats\3763-00-04-CTHKR_KC\CDS

PLOT DATE : 3/27/2019 PLOT BY : kkruger PLOT NAME : PLOT SCALE : 1:600

WISDOT/CADDS SHEET 70

RACINE COUNTY

VILLAGE OF MOUNT PLEASANT

SW-SW

SE-SW

NW-NW

NE-NW

VILLAGE OF SOMERS

KENOSHA COUNTY

GN

CAST IRON MONUMENT W/ BRASS CAP Y=167557.83 X=604633.84

CAST IRON MONUMENT W/ BRASS CAP Y=167509.25 X=607275.81

CONCRETE MONUMENT W/ BRASS CAP Y=164877.39 X=607025.19 STA. 477+47.55 OFFSET 69.87'RT CLOSING CORNER

CAST IRON MONUMENT W/ BRASS CAP Y=164872.53 X=607310.18 STA. 480+33.34 OFFSET 69.54'RT

CAST IRON MONUMENT W/ BRASS CAP Y=164918.10 X=604638.46

CONCRETE MONUMENT Y=162297.21 X=607036.15

CTH H

88TH AVENUE

CTH KR/CNTY LINE RD./1ST ST.

CP RAILROAD

BEGIN RELOCATION ORDER
STA. 461+00.00

2639.73' N00°00'02"W S/L

2636.94' S00°44'48"E S/L

2580.20' S00°14'36"E S/L

S89°04'04"E R/L

S89°01'22"E 1334.91'

2672.10' S89°01'22"E S/L

400.11' S89°01'22"E

S80°22'20"E

N89°01'22"W

N00°58'38"E

N00°58'56"E

S00°55'56"W

S72°05'06"W

N53°08'49"W

PLE FOR DRAINAGE

TLE FROM PROJECT ID RC092617

SLOPE INTERCEPT

HIGHWAY EASEMENT

1/16TH LINE

2AP

424 GITZLAFF

540 CP RAILROAD

CURVE 1
PI STA.480+89.01
Y : 164941.70
X : 607367.74
DELTA = 1°54'59"
D = 0°36'11"
T = 158.89'
L = 317.75
R = 9500.0000
PC STA.479+30.12
Y : 164944.28
X : 607208.87
PT STA.482+47.87
Y : 164933.80
X : 607526.43

HWY	BASIS OF EXISTING R/W AND ACCESS CONTROL	YEAR	WIDTH
CTH KR	KENOSHA COUNTY HWY RECORD V1P6 26-27	1850	66

REVISION DATE	DATE: APRIL 1, 2019	SCALE, FEET 0 100 200	HWY: CTH KR	STATE R/W PROJECT NUMBER 3763-00-04KC	PLAT SHEET 4.05	
			COUNTY: KENOSHA	CONSTRUCTION PROJECT NUMBER	PS&E SHEET	E

FILE NAME : s-drive\DOT\DOT_SE\180049\Survey\Plats\3763-00-04-CTHKR_KC\CDS

PLOT DATE : 3/27/2019 PLOT BY : kkruger PLOT NAME : PLOT SCALE : 1:200

WISDOT/CADDS SHEET 70

RACINE COUNTY
VILLAGE OF MOUNT PLEASANT

CAST IRON MONUMENT W/ BRASS CAP
Y=167509.25
X=607275.81

CONCRETE MONUMENT W/ BRASS CAP
Y=164877.39
X=607025.19
STA. 477+47.55
OFFSET 69.87' RT
CLOSING CORNER

CAST IRON MONUMENT W/ BRASS CAP
Y=164872.53
X=607310.18
STA. 480+33.34
OFFSET 69.54' RT

CURVE 5
PI STA.60+35.24
Y : 165056.72
X : 609737.91
DELTA =
D = 7°33'32"
T = 135.68'
L = 268.51
R = 758.00
PC STA.58+99.57
Y : 164923.21
X : 609731.16
PT STA.61+68.08
Y : 165183.48
X : 609791.24

CURVE 6
PI STA.65+15.50
Y : 165502.93
X : 609927.79
DELTA =
D = 7°26'28"
T = 156.93
L = 309.62
R = 770.00
PC STA.63+58.57
Y : 165358.64
X : 609866.11
PT STA.66+68.19
Y : 165659.86
X : 609928.08

PK MONUMENT
Y=167479.63
X=609926.46

CONC. MON. W/ BRASS CAP
Y=164839.29
X=609683.97
STA. 504+07.44
OFFSET 12.83'LT
CLOSING CORNER

CONCRETE MONUMENT W/ BRASS CAP
Y=164835.97
X=609921.55
STA. 506+44.89
OFFSET 21.33'LT

CONCRETE MONUMENT
Y=162297.21
X=607036.15

CONCRETE MONUMENT W/ BRASS CAP
Y=162197.85
X=609709.24

CURVE 1
PI STA.480+89.01
Y : 164941.70
X : 607367.74
DELTA = 1°54'59"
D = 0°36'11"
T = 158.89'
L = 317.75
R = 9500.0000
PC STA.479+30.12
Y : 164944.28
X : 607208.87
PT STA.482+47.87
Y : 164933.80
X : 607526.43

CURVE 3
PI STA.52+62.12
Y : 164287.14
X : 609690.25
DELTA =
D = 7°01'49"
T = 62.22'
L = 124.19
R = 815.00
PC STA.51+99.90
Y : 164224.93
X : 609690.85
PRC STA.53+24.09
Y : 164348.73
X : 609699.11

CURVE 4
PI STA.53+61.36
Y : 164385.61
X : 609704.41
DELTA =
D = 7°09'43"
T = 37.26'
L = 74.48
R = 800.00
PRC STA.53+24.09
Y : 164348.73
X : 609699.11
PT STA.53+98.57
Y : 164422.83
X : 609706.26

HWY	BASIS OF EXISTING R/W AND ACCESS CONTROL	YEAR	WIDTH
CTH KR	KENOSHA COUNTY HWY RECORD V1PG 26-27	1850	66
90TH	SS 82.31(2)		66

(900) WE ENERGIES - ELECTRIC
PARCEL 541 - DOC. NO. 236326
PARCEL 541 - DOC. NO. 283894
PARCEL 541 - DOC. NO. 236327
PARCEL 542 - DOC. NO. 252535
PARCEL 542 - DOC. NO. 236326
PARCEL 542 - DOC. NO. 283894
PARCEL 542 - DOC. NO. 236327

(901) WE ENERGIES - GAS
PARCEL 541 - DOC. NO. 236326
PARCEL 541 - DOC. NO. 283894
PARCEL 541 - DOC. NO. 236327
PARCEL 542 - DOC. NO. 252535
PARCEL 542 - DOC. NO. 236326
PARCEL 542 - DOC. NO. 283894
PARCEL 542 - DOC. NO. 236327

REVISION DATE	DATE: APRIL 1, 2019	SCALE, FEET 0 100 200	HWY: CTH KR	STATE R/W PROJECT NUMBER 3763-00-04KC	PLAT SHEET 4.06	
			COUNTY: KENOSHA	CONSTRUCTION PROJECT NUMBER	PS&E SHEET	E

FILE NAME : s-drive\DOT\DOT_SE\180049\Survey\Plats\3763-00-04-CTHKR_KC\CDS
PLOT DATE : 3/27/2019 PLOT BY : kkruger PLOT NAME : PLOT SCALE : 1:200
WISDOT/CADDS SHEET 70

(900) WE ENERGIES - ELECTRIC
PARCEL 543 - DOC. NO. 236326
PARCEL 543 - DOC. NO. 283894
PARCEL 545 - DOC. NO. 317114
PARCEL 545 - DOC. NO. 236326
PARCEL 544 - DOC. NO. 437422
PARCEL 544 - DOC. NO. 1771627
PARCEL 544 - DOC. NO. 612670
PARCEL 544 - DOC. NO. 531873
PARCEL 545 - DOC. NO. 283894

(905) AMERICAN TRANSMISSION CO
PARCEL 544 - DOC. NO. 1207209

GN

SW-SW

SE-SW

NW-NW

NE-NW

RACINE COUNTY
VILLAGE OF MOUNT PLEASANT

VILLAGE OF SOMERS
KENOSHA COUNTY

CTH KR/CNTY LINE RD./1ST ST.

90TH STREET

72ND AVENUE CTH EA

72ND STREET ALIGNMENT

1/16TH LINE

1/16TH LINE PL

UP RAILROAD

DETENTION POND

CONC. MON.
W/ BRASS CAP
Y=164839.29
X=609683.97
STA. XXX+11.22
OFFSET XX.XX'
CLOSING CORNER

CONCRETE
MONUMENT W/
BRASS CAP
Y=164835.97
X=609921.55
STA. 506+44.89
OFFSET 21.33' LT

CSM 1111
DOC. 1187563
LOT 1

LOT 2

CURVE 2
PI STA.514+29.91
Y : 164775.65
X : 610704.54
DELTA = 7°34'46"
D = 0°42'58"
T = 529.91'
L = 1058.28'
R = 8000.00'
PC STA.508+99.99
Y : 164801.99
X : 610175.28
PRC STA.519+58.27
Y : 164819.36
X : 611232.65

CURVE 3
PI STA.523+97.23
Y : 164855.56
X : 611670.10
DELTA = 6°13'56"R
D = 0°42'38"
T = 438.95'
L = 877.04'
R = 8063.00'
PRC STA.519+58.27
Y : 164819.36
X : 611232.65
PT STA.528+35.31
Y : 164844.06
X : 612108.91

CONC. .
W/ BRASS CAP
Y=164793.07
X=612344.61
STA. 530+72.27
OFFSET 44.80'

CONCRETE
MONUMENT W/
BRASS CAP
Y=167434.99
X=612568.19

CONCRETE
MONUMENT W/
BRASS CAP
Y=164789.23
X=612561.09
STA. 532+88.78
OFFSET 42.96'

EQUATION
504+50.40 KR
= 58+00.57 NB

505 237.61' S87°9'5"E R/L 203.76' S89°11'53"E 1093.76' 510 CURVE 2 515 1092.92' 1330.52' 520 33' 525 CURVE 3 2623.72' S88°59'7"E S/L 1528.94' 530 S88°29'54"E R/L 2645.78'- S0°9'14"W S/L

12.87' 504+42.38 18.93' 2641.57' N0°32'54"W S/L 386.18' 951.13' N0°32'54"W P/L 55 S 1355.52' N0°32'54"W R/L 182.46' N7°9'49"E 95.47' 73.92' N89°27'06"E

PRW440 506+46.01 11.65' 1242.60' TO INT 508+99.99 PC 50' P/L SLOPE INTERCEPT 518+89.37 INT 519+58.27 PRC 33' 33' 64.40' N86°3'59"E 224.96' 139.96' 164.28' 97.41' 1092.92' 1330.52' 239.86' N82°32'36"E 522+00.00 70.00' PRW776 519+58.27 85.00' PRW480 133.64' N44°15'14"W TLE744 522+00.00 170.00' 167.40' N84°54'29"W 297.96' S87°8'6"E 396.13' S89°46'54"W 525+00.00 95.00' PRW746 102.81' S21°26'50"W 524+60.00 190.00' TLE745 529+00.00 90.00' PRW751 14.78' S86°30'15"E 159.44' 195.51' 369.72' S86°30'15"E 532+71.87 76.10' 14.03' 202.48' 42.97' 60.02' 532+69.50 102.87' PRW648

505+11.43 273.09' PRW532 379.79' S83°26'19"W 513+61.97 183.42' PRW530 75.72' S0°0'0"E 517+32.71 151.80' PRW769 513+61.39 259.14' PRW531 865.08' N88°59'07"W 517+35.68 85.00' PRW416

PLE FOR DRAIN PLE FOR DRAIN TLE FOR DRIVE 2AP 12' WIDE WE ENERGIES ELEC.EASEMENT DOC. 1771628 03-23-2016

PLE FOR DRAINAGE

WELL AGREEMENT DOC. NO. 868856, 6-25-1991

WELL AGREEMENT DOC. NO. 868856, 6-25-1991

504+80.97 669.09' PRW529

PLE335 54+65.00 56.22' 13.78' S87°9'5"E 54+65.00 70.00' PLE334 31.74' S2°50'55"W 13.26' S2°50'55"W 54+20.00 70.00' PLE336 17.24' N87°9'5"W 54+20.00 52.76' PLE337 32.81' 16.32' P/L 12.32'

PLE308 518+74.17 84.26' 25.00' S3°56'01"E 519+13.75 84.50' PLE305 25.00' S3°56'01"E 40.00' S86°03'59"W 519+13.54 109.50' PLE306 PLE307 518+74.08 109.26' N00°25'55"W 755'

PLE742 528+62.02 91.14' 38.00' N89°46'54"E 28.45' S01°00'53"W 52.75' S88°59'07"E 28.63' N01°00'53"E 529+14.77 90.51' PLE333 529+15.01 119.14' PLE788 528+62.26 119.59' PLE539 2584.83' 205.00' 2636.12' S0°33'1"E S/L

205' WEPCO EASEMENT DOC. NO. 531873 05-05-1971 ATC DOC. NO. 1027209 01-01-2001

545 MARESCALCO

543 BORZYNSKI

544 RECK

HWY	BASIS OF EXISTING R/W AND ACCESS CONTROL	YEAR	WIDTH
CTH KR	KENOSHA COUNTY HWY RECORD V1PG 26-27	1850	66
CTH KR	CSM 1111	1985	50
90TH	SS 82.31(2)		66

SEPTIC TANK AGREEMENT DOC. NO. 1744532 3-04-2015

CONCRETE
MONUMENT
Y=162197.84
X=609709.24

CONCRETE
MONUMENT
Y=162157.06
X=612369.93

REVISION DATE	DATE: APRIL 1, 2019	SCALE, FEET 0 100 200	HWY: CTH KR	STATE R/W PROJECT NUMBER 3763-00-04KC	PLAT SHEET 4.07	
			COUNTY: KENOSHA	CONSTRUCTION PROJECT NUMBER	PS&E SHEET	E

FILE NAME : s-drive\DOT\DOT_SE\180049\Survey\Plats\3763-00-04-CTHKR_KC\CDS

PLOT DATE : 3/27/2019 PLOT BY : kkruger PLOT NAME : PLOT SCALE : 1:200

WISDOT/CADDS SHEET 70

PRE_190

RACINE COUNTY
VILLAGE OF MOUNT PLEASANT

SW-SE | SE-SE | NW-NE | NE-NE

GN

CONCRETE MONUMENT W/ BRASS CAP Y=167434.99 X=612568.19

CONC.. W/ BRASS CAP Y=164793.07 X=612344.61 STA. 530+72.27 OFFSET 44.80'

CONCRETE MONUMENT W/ BRASS CAP Y=164789.23 X=612561.09 STA. 532+88.78 OFFSET 42.96'

CONCRETE MONUMENT Y=162157.06 X=612369.93

TWO WITNESS MONUMENTS Y=167388.97 X=615212.19

CONCRETE MONUMENT W/ BRASS CAP Y=164728.4229 X=615201.1879 STA. 559+29.56 OFFSET 34.56'

CONCRETE MONUMENT W BRASS CAP Y=164733.09 X=614998.62 STA. 557+26.94 OFFSET 35.20'

CONCRETE MONUMENT Y=162125.72 X=615023.25

CTH KR/CNTY LINE RD./1ST ST.

EQUATION 540+53.98 KR = 109+83.93 FRONTAGE RD

EQUATION 557+15.77 KR = 203+00.00 56TH

1/16TH LINE

56th AVE

BLOCK 1 PARKWAY SUBDIVISION

WARNOCK BUSH

530	535
540	545
550	555
203	200

2645.78' S0°9'14"W	2660.57' S0°14'13"W
2636.12' S0°33'1"E	2640.80' S88°40'50"E S/L
1653.04'	2607.49' N0°32'28"W S/L
629.54' N1°30'6"E R/L	2640.80' S88°29'54"E R/L
305.85' S00°33'01"E	202.62' S88°56'10"E S/L
240.79' S88°40'50"E	245.14' N88°40'50"W
384.40' TO SEC	245.14' PL S88°29'54"E R/L
155.60' P/L	76.04'
65.52'	33.03'
72.03' S/L	34.57'
160.00'	123.65'
33.00' S89°27'32"W	

CURVE 1: L = 27.95, R = 32.50, LC = 27.10, LCB = S 52°01'29" E

CURVE 2: L = 200.70, R = 67.50, LC = 134.52, LCB = S 8°31'01" W

CURVE 3: PI STA.101+69.29, Y : 164400.98, X : 612916.03, DELTA = 24°19'47", D = 102°18'50", T = 12.07', L = 23.78', R = 56.00', PC STA.101+57.21, Y : 164390.03, X : 612921.11, PT STA.101+80.99, Y : 164413.06, X : 612915.91

CURVE 4: PI STA.105+07.16, Y : 164739.20, X : 612912.78, DELTA = 92°03'07", D = 114°35'30", T = 51.82', L = 80.33', R = 50.00', PC STA.104+55.33, Y : 164687.38, X : 612913.28, PT STA.105+35.66, Y : 164737.85, X : 612964.59

CURVE 5: PI STA.108+24.02, Y : 164730.29, X : 613252.84, DELTA = 34°28'48", D = 154°5'12", T = 11.48', L = 22.27', R = 37.00', PC STA.108+12.54, Y : 164730.59, X : 613241.37, PT STA.108+34.80, Y : 164723.54, X : 613262.13

CURVE 6: PI STA.109+10.84, Y : 164678.87, X : 613323.66, DELTA = 124°28'48", D = 154°5'12", T = 70.30', L = 80.39', R = 37.00', PC STA.108+40.54, Y : 164720.17, X : 613266.78, PT STA.109+20.93, Y : 164749.14, X : 613325.51

900 WE ENERGIES - ELECTRIC
PARCEL 813 - DOC. NO. 230636
PARCEL 827 - NO RECORDED EASEMENT

904 AT&T WISCONSIN
PARCEL 797 - DOC. NO. 1517742
PARCEL 814 - DOC. NO. 409102

906 CENTURY LINK
PARCEL 797 - DOC. NO. 1724600

908 US SPRINT
PARCEL 797 - DOC. NO. 1724600

INGRESS-EGRESS DOC. NO. 708890, 708360, 709090, 709585, 722882

6' EASEMENT DOC. NO. 409102

HWY	BASIS OF EXISTING R/W AND ACCESS CONTROL	YEAR	WIDTH
CTH KR	KENOSHA COUNTY HWY RECORD V1 PG 26-27	1850	66

REVISION DATE	DATE: APRIL 1, 2019	SCALE, FEET 0 100 200	HWY: CTH KR	STATE R/W PROJECT NUMBER 3763-00-04KC	PLAT SHEET 4.08
			COUNTY: KENOSHA	CONSTRUCTION PROJECT NUMBER	PS&E SHEET E

FILE NAME : s-drive¢DOT¢DOT_SE¢180049¢Survey¢Plats¢3763-00-04-CTHKR_KC¢CDS

PLOT DATE : 3/27/2019 PLOT BY : kkruger PLOT NAME : PLOT SCALE : 1:200

WISDOT/CADDS SHEET 70

(904) AT&T WISCONSIN
PARCEL 829 - DOC. NO. 1204644

(907) CHARTER COMMUNICATIONS
PARCEL 829 - DOC. NO. 1204644

RACINE COUNTY

VILLAGE OF MOUNT PLEASANT

SW-SW

SE-SW

NW-NW

NE-NW

NW-NE

GN

T 3 N R 22 E
34 35
34 35

TWO WITNESS MONUMENTS
Y=167388.97
X=615212.19

CONCRETE MONUMENT W/ BRASS CAP
Y=164728.4229
X=615201.1879
STA. 559+29.56
OFFSET 34.56'RT

CONCRETE MONUMENT W/ BRASS CAP
Y=167322.06
X=617847.63

CONCRETE MONUMENT W/ BRASS CAP
Y=164679.41
X=617840.92
STA. 585+71.73
OFFSET 10.44'L

CONCRETE MONUMENT W/ BRASS CAP
Y=164682.69
X=617664.22
STA. 583+94.92
OFFSET 19.90'L

CONCRETE MONUMENT W/ SEWRPC BRASS CAP
Y=162083.99
X=617695.90

CONCRETE MONUMENT W BRASS CAP
Y=164733.09
X=614998.62
STA. 557+26.94
OFFSE 35.20'RT

T 2 N R 22 E
3 2

T 2 N R 22 E
35 35

T 2 N R 22 E
2 2

CURVE 4
PI STA.566+56.89
Y : 164743.91
X : 615929.17
DELTA = 2°12'44"
D = 0°42'58"
T = 154.4602'
L = 308.8821
R = 8000.00
PC STA.565+02.43
Y : 164747.96
X : 615774.76
PT STA.568+11.31
Y : 164733.91
X : 616083.31

CURVE 6
PI STA.321+73.99
Y : 165206.80
X : 617010.66
DELTA = 11°43'04"
D = 1°59'27"
T = 295.32'
L = 588.57
R = 2877.91
PC STA.318+78.67
Y : 164940.13
X : 616883.77
PT STA.324+67.24
Y : 165442.14
X : 617189.06

CURVE 5
PI STA.581+54.54
Y : 164646.90
X : 617423.71
DELTA = 6°42'59"
D = 0°42'58"
T = 469.44'
L = 937.80
R = 8000.00
PC STA.576+85.10
Y : 164677.31
X : 616955.26
PRC STA.586+22.90
Y : 164671.49
X : 617892.50

C7
L = 709.61'
R = 8000.00
LC = 709.37'
LCB = 5°4'56"

EQUATION
574+94.03 KR
= 316+01.31 STH 31

2660.57' S/L S0°14'13"W

2642.66' N00°08'44"E S/L

2598.89' S0°41'54"E S/L

2601.49' N0°32'28"W S/L

S00°32'28"E

559+28.80
0.00
34.57'

560

565+02.43
PC

565

568+11.31
PT

570

572+84.11
R/L=S/L

575

576+85.10
PC

580

585

586+22.90
PT

318+78.67
PC

S88°40'50"E S/L

S88°29'54"E R/L

S86°17'10"E R/L

S86°54'57"E

1354.16' TO INT OF R/L

2640.19' N88°56'10"W S/L

902.52' N88°56'12"W

1328.73' TO W 1/4 CORNER OF SEC 35

202.62'

369.95'

247.87 S88°56'10"E

65.00' S1°3'50"W

64.99' N1°3'50"E

65.00' N1°3'39"E

705.40' N88°56'10"W

317.83' S40°2'56"W

176.73'

50.03'

45.11'

61.72'

82.13'

196.32'

594.15'

572+61.71
66.10'

572+70.39
137.45'
PRW496

566+47.22
270.07'
PRW629

563+00.00
96.73'
PRW552

564+95.69
127.34'
PRW589

576+16.18
150.01'
PRW498

582+00.05
100.00'
PRW538

56.26'

9.29'
N00°32'28"W

57.28'

198.07'
S79°36'32"E

140.79'

198.07'
S79°36'32"E

205.51'
N24°17'7"W

629.34' S86°7'38"W

593.7' N87°15'17"E

S25°26'50"W R/L

M-85.21-EN

100.08'

1AP

2AP

164'
(50 meters)

185'

245'

520'

60'

105'

310

315

325

320

122'

33'

65'

CURVE 6

CURVE 7

CURVE 5

16th LINE

1/16TH LINE

STH 31 / S GREEN BAY RD

56th AVE

PIKE RIVER

100' MOUNT PLEASANT STORM WATER DRAINAGE DISTRICT NO. 1 EASEMENT DOC. NO. 563592 JULY 26, 1972

LOT 1

LOT 2

LOT 3

CSM NO. 2009, DOC. NO. 1081098

CSM NO. 406- DOC. NO. 615686

D C B A

829 SZAMECKI

837 MUELLER

830 MUELLER

10' WE ENERGIES ELECTRIC, AT&T WISCONSIN AND CHARTER COMMUNICATION EASEMENT DOC. NO. 1204644

WELL AGREEMENT DOC. NO. 1193633 8-25-2000

WELL AGREEMENT DOC. NO. 1193633 8-25-2000

VILLAGE & TOWN OF SOMERS
KENOSHA COUNTY

(900) WE ENERGIES - ELECTRIC
PARCEL 829 - DOC. NO. 1204644

(902) MOUNT PLEASANT STORM WATER DRAINAGE DISTRICT NO. 1
PARCEL 830 - DOC. NO. 563592

HWY	BASIS OF EXISTING R/W AND ACCESS CONTROL	YEAR	WIDTH
CTH KR	KENOSHA COUNTY HWY RECORD V1 PG 26-27	1850	66
CTH KR - STH 31	AWARD OF DAMAGES DOC. NO. 1158609 PROJECT ID 3340-00-20	1999	VARIES
CTH KR	CSM NO. 2009, DOC. NO. 1081098	1997	65

CTH KR/CNTY LINE RD./1ST ST.

4

4

REVISION DATE	DATE: APRIL 1, 2019	SCALE, FEET 0 100 200	HWY: CTH KR	STATE R/W PROJECT NUMBER 3763-00-04KC	PLAT SHEET 4.09	
			COUNTY: KENOSHA	CONSTRUCTION PROJECT NUMBER	PS&E SHEET	E

FILE NAME : s-drive\DOT\DOT_SE\180049\Survey\Plats\3763-00-04-CTHKR_KC\CDS

PLOT DATE : 3/27/2019 PLOT BY : kkruger PLOT NAME : PLOT SCALE : 1:200

WISDOT/CADDS SHEET 70

SW-SE

SE-SE

NW-NE

NE-NE

CONC. MON. W/ BRASS CAP Y=164678.41 X=617840.92 STA. 585+71.73 OFFSET 10.44'L

CONCRETE MONUMENT W/ BRASS CAP Y=164682.69 X=617664.22 STA. 583+94.92 OPFFSET 19.90'L CLOSING CORNER

CONCRETE MONUMENT W/ BRASS CAP Y=167322.06 X=617847.63

CONCRETE MONUMENT W/ SEWRPC BRASS CAP Y=162083.99 X=617695.90

CONCRETE MONUMENT W/ BRASS CAP Y=167255.25 X=620479.05

CAST IRON MONUMENT W/ BRASS CAP Y=164603.19 X=620478.60 STA. 612+11.38 OPFFSET 22.91'L

CAST IRON MONUMENT W/ BRASS CAP Y=164607.86 X=620316.97 STA. 610+49.21 OPFFSET 26.19'L

(900) WE ENERGIES ELECTRIC
PARCEL 841 - DOC. NO. 148049
PARCEL 843 - DOC. NO. 1036948
PARCEL 843 - NO RECORDED EASEMENT
PARCEL 844 - DOC. NO. 2789576

(901) WE ENERGIES GAS
PARCEL 844 - DOC. NO. 2789576

(904) AT&T WISCONSIN
PARCEL 839 - DOC. NO. 930833

(905) AMERICAN TRANSMISSION COMPANY
PARCEL 841 - DOC. NO. 1207209

CURVE 6
PI STA.589+16.11
Y : 164686.85
X : 618185.31
DELTA = 4°11'53"
D = 0°42'58"
T = 293.21'
L = 586.16
R = 8000.00'
PRC STA.586+22.90
Y : 164671.49
X : 617892.50
PT STA.592+09.06
Y : 164680.73
X : 618478.46

CURVE 9
PI STA.800+85.75
Y : 164567.52
X : 618861.56
DELTA = 2°56'12"
D = 5°43'46"
T = 293.21'
L = 25.63
R = 1000.00'
PC STA.800+60.12
Y : 164541.95
X : 618859.65
PT STA.801+11.37
Y : 164593.14
X : 618862.16

CURVE 10
PI STA.902+12.45
Y : 164866.45
X : 619180.38
DELTA = 65°40'44"
D = 29°32'02"
T = 125.21'
L = 222.38
R = 194.00'
PC STA.900+87.23
Y : 164741.29
X : 619176.76
PT STA.903+09.62
Y : 164921.29
X : 619067.82

CURVE 7
PI STA.611+12.89
Y : 164634.02
X : 620381.69
DELTA = 2°59'45"
D = 0°42'58"
T = 209.19'
L = 418.29
R = 8000.00'
PC STA.609+03.70
Y : 164638.38
X : 620172.55
PT STA.613+21.99
Y : 164618.73
X : 620590.33

CURVE 8
PI STA.706+53.88
Y : 164139.21
X : 618057.00
DELTA = 11°08'10"
D = 1°15'00"
T = 453.59'
L = 904.24
R = 4583.75'
PC STA.702+00.28
Y : 163734.51
X : 617852.15
PT STA.711+04.53
Y : 164576.21
X : 618178.55
C 11
DELTA = 0°41'23"L
R = 4583.75'
T = 27.59'
L = 55.19'

EQUATION
574+94.03 KR
= 316+01.31 STH 31

END RELOCATION ORDER
STA. 610+48.99

VILLAGE OF MOUNT PLEASANT
RACINE COUNTY

TOWN OF SOMERS
KENOSHA COUNTY

OLD GREEN BAY RD.

VICKSBURG DR.

HILLWOOD CT.

BLOCK 1

BLOCK 2

CTH KR/CNTY LINE RD./1ST ST.

RITA I. BARTH TRUST (842)

RITA I. BARTH TRUST (843)

ROSE (844)

JK KENOSHA/ RACINE LLC (845)

VASS (846)

MURPHY (839)

EIDMANN (840)

BARTH (841)

MUELLER (837)

PARCEL 4 CSM NO. 2433 DOC. NO. 1399666

LOT 1, CSM NO. 1348 DOC. NO. 842111

WE ENERGIES ELECTRIC DOC. NO. 289576

CSM 992- DOC. NO 715225

WELL AGREEMENT DOC. NO. 1753371 AND DOC. NO. 389196 11-13-1957

WELL AGREEMENT DOC. NO. 869845 6-27-1991

WIS BELL DOC 930833 6-3-1993

DOC. NO. 1036948 WEPCO PRIMECO EASEMENT TRANSMISSION LINE, AUGUST 1996

DOC. NO. 1207209 WEPCO TO ATC EASEMENT ASSIGNMENT TRANSMISSION LINE, 1-1-2001

DOC. NO. 148049 WEPCO TRANSMISSION TOWERS JUNE 1925

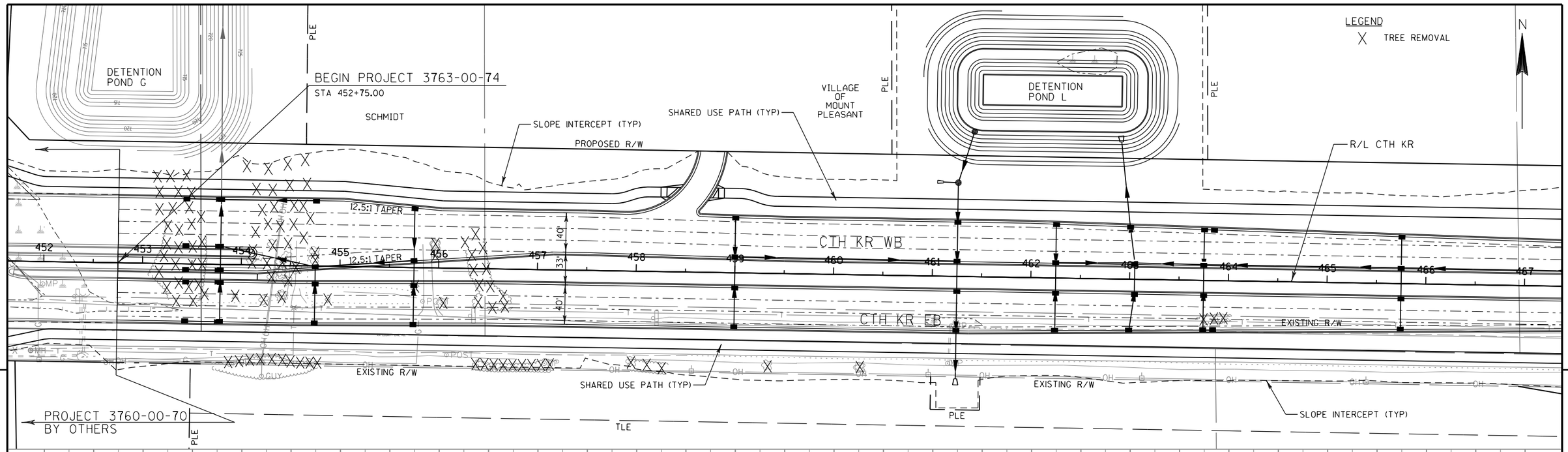
HWY	BASIS OF EXISTING R/W AND ACCESS CONTROL	YEAR	WIDTH
CTH KR	KENOSHA COUNTY HWY RECORD V1 PG 26-27	1850	66
CTH KR	CSM 992, DOC. NO. 715255	1984	33
CTH KR	CSM 1348 DOC. NO. 8421111	1990	33
CTH KR - OLD STH 31	HIGHWAY EASEMENT DOC. NO. 342645, 344245	1952	VARIES

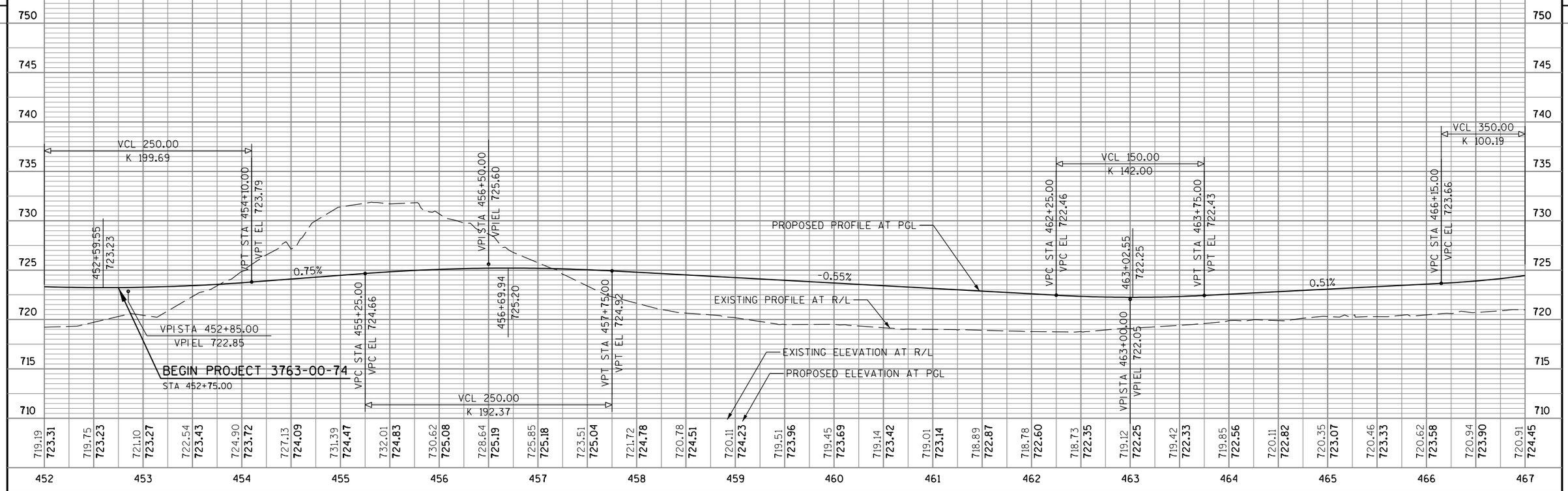
REVISION DATE	DATE: APRIL 1, 2019	SCALE, FEET 0 100 200	HWY: CTH KR	STATE R/W PROJECT NUMBER 3763-00-04KC	PLAT SHEET 4.10	
			COUNTY: KENOSHA	CONSTRUCTION PROJECT NUMBER	PS&E SHEET	E

FILE NAME : s-drive\DOT\DOT_SE\180049\Survey\Plats\3763-00-04-CTHKR_KC\CDS

PLOT DATE : 3/27/2019 PLOT BY : kkruger PLOT NAME : PLOT SCALE : 1:200

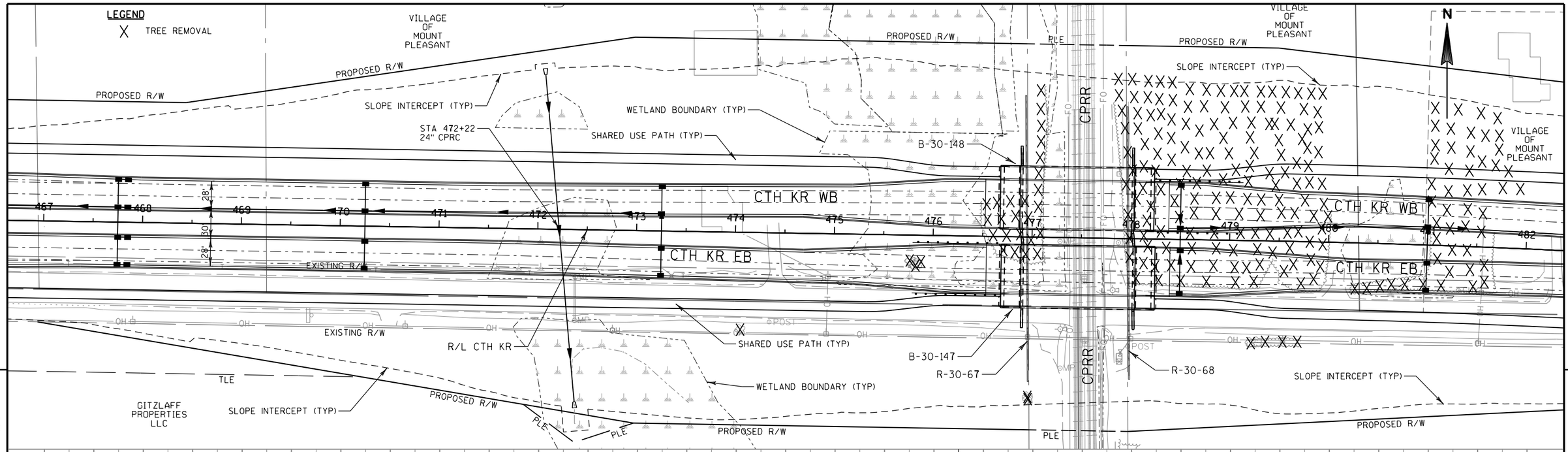
WISDOT/CADDS SHEET 70

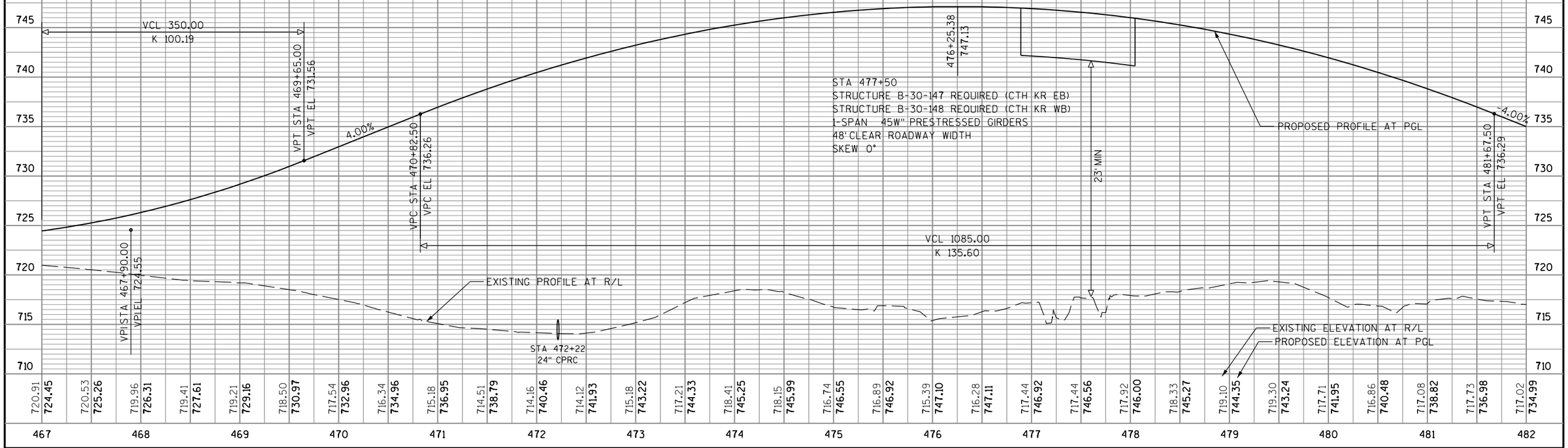




PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	PLAN AND PROFILE: CTH KR	SHEET E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\050101_PP.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:100

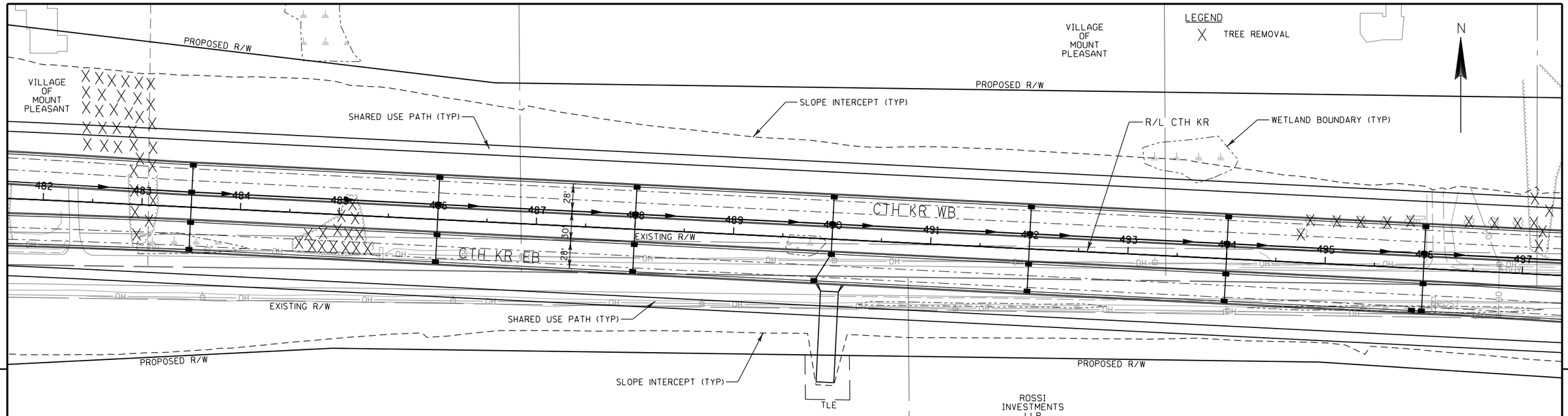


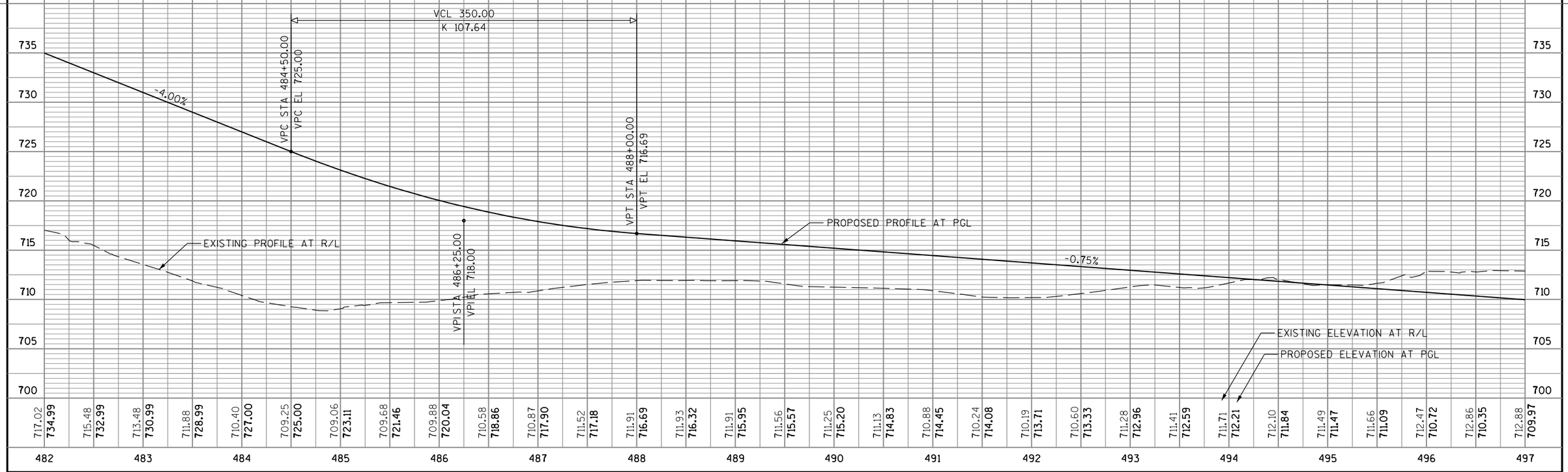


PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	PLAN AND PROFILE: CTH KR	SHEET E

PRE_195

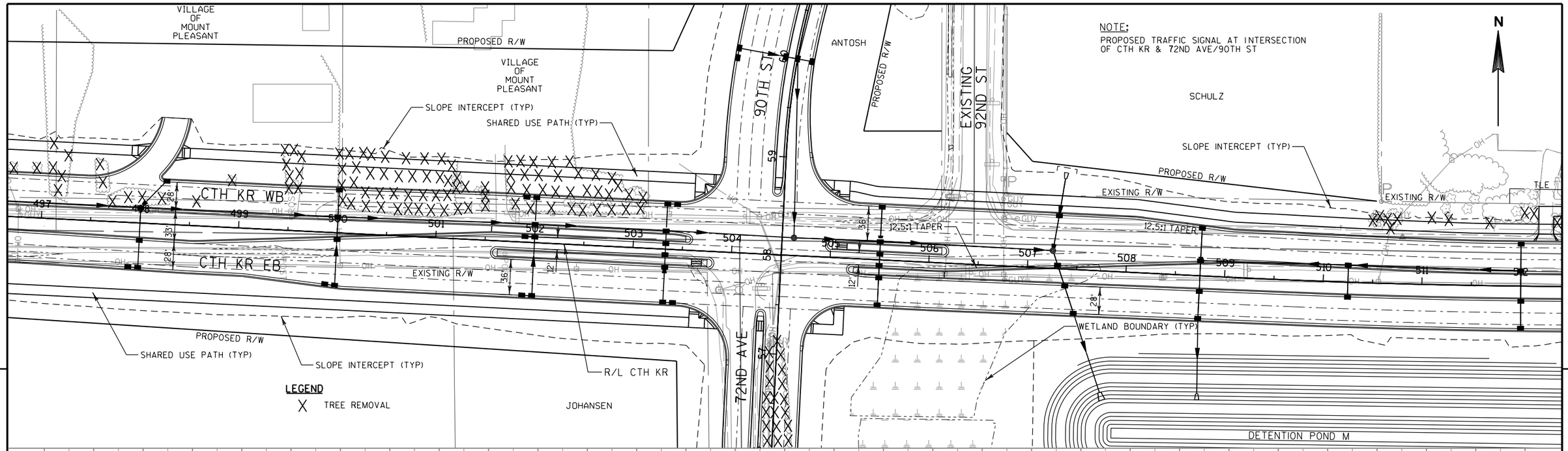
FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\050102_PP.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:100

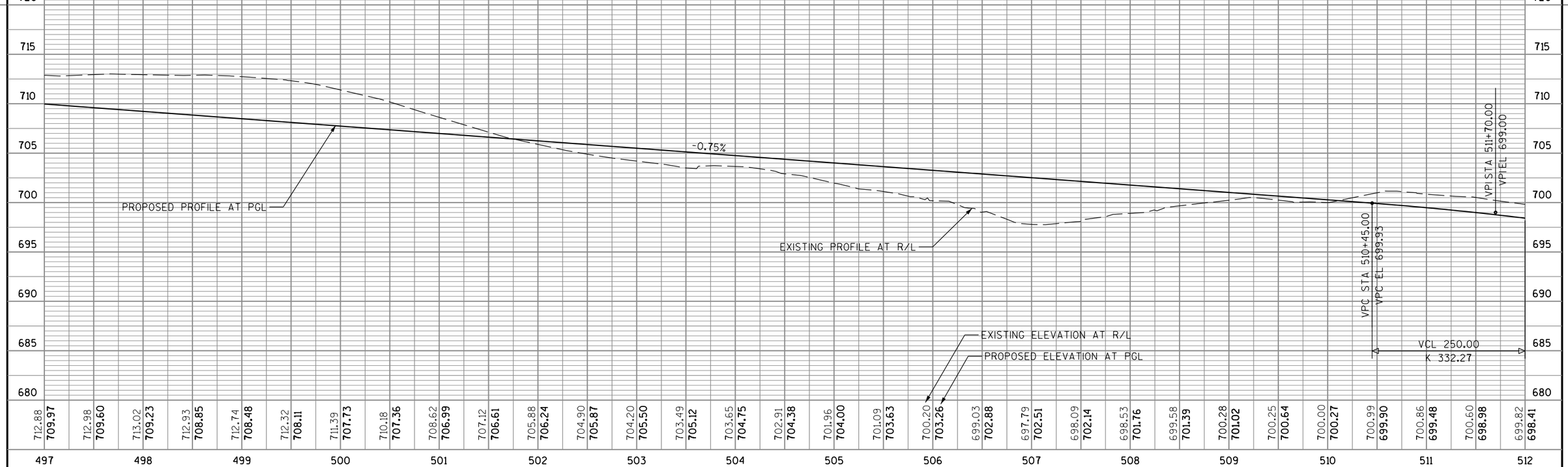




PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	PLAN AND PROFILE: CTH KR	SHEET E

PRE_196





PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	PLAN AND PROFILE: CTH KR	SHEET E

PRE_197

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\050104_PP.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:100

LEGEND
X TREE REMOVAL

KUIPER
SHERRY ET,AL
GUSTIN ET,AL
NJI DEVELOPMENT LLC
LUEER
RICCHIO
RICCHIO

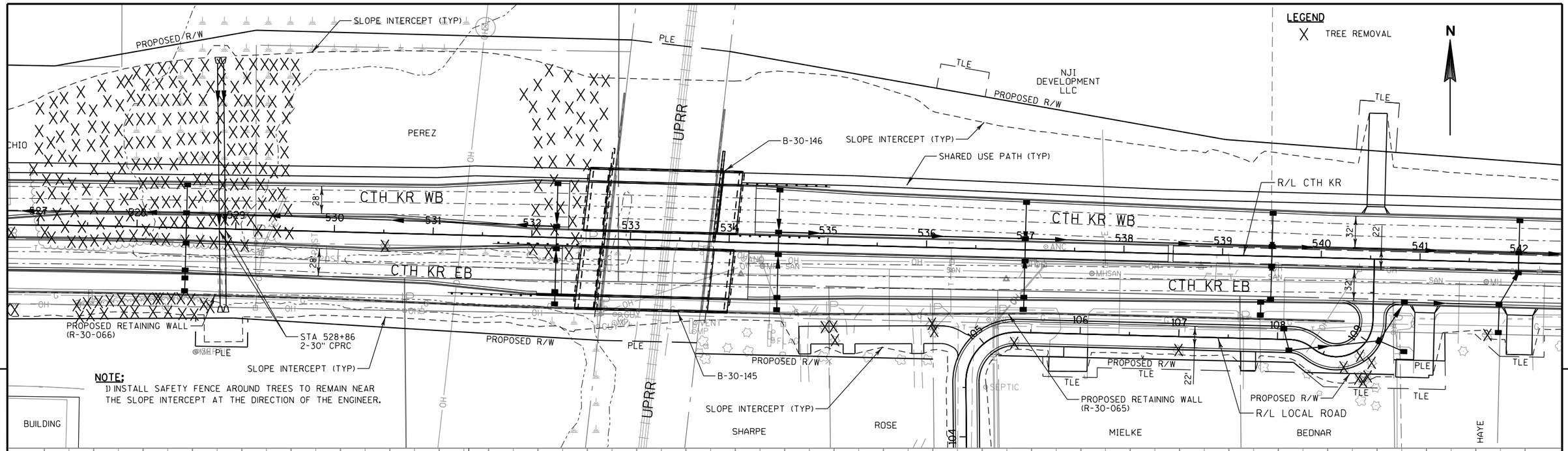
SLOPE INTERCEPT (TYP)
SHARED USE PATH (TYP)
R/L CTH KR
TLE
EXISTING R/W
PROPOSED R/W
CTH KR WB
CTH KR EB
WETLAND BOUNDARY (TYP)
PROPOSED RETAINING WALL (R-30-066)
DETENTION POND M
PLE
RECK
BUILDING
BUILDING
TANK
SEPC
CMH
N

EXISTING PROFILE AT R/L
PROPOSED PROFILE AT PGL
VPT STA 512+95.00
VPT EL 697.13
VCL 250.00
K 332.27
VPC STA 516+80.00
VPC EL 691.36
519+25.33
689.52
VCL 900.00
K 163.67
VPI STA 521+30.00
VPI EL 684.61
VPT STA 525+80.00
VPT EL 702.61
VPI STA 524+75.00
VPI EL 693.25
VPI STA 526+50.00
VPI EL 686.75
VPI STA 527+00.00
VPI EL 683.50
-1.50%
4.00%
-3.71%
-6.50%
EXISTING ELEVATION AT R/L
PROPOSED ELEVATION AT PGL

512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527
699.82	698.58	697.94	698.13	698.17	696.64	694.23	692.18	691.38	691.00	690.32	689.52	689.00	688.56	688.22	688.17	688.42	688.11	688.59	689.36	690.63	690.87	692.22	693.37	694.27	694.56	695.21	694.82	693.69	692.23	688.97
698.41	**697.77**	**697.05**	**696.30**	**695.55**	**694.80**	**694.05**	**693.30**	**692.55**	**691.80**	**691.07**	**690.46**	**690.00**	**689.69**	**689.54**	**689.54**	**689.69**	**689.99**	**690.45**	**691.06**	**691.82**	**692.74**	**693.81**	**695.03**	**696.40**	**697.93**	**699.61**	**701.44**	**703.41**	**705.41**	**707.41**

PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	PLAN AND PROFILE: CTH KR	SHEET E

PRE_198



PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	PLAN AND PROFILE: CTH KR	SHEET E

PRE_199

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\050106_PP.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:100

NOTE:
1) INSTALL SAFETY FENCE AROUND TREES TO REMAIN NEAR THE SLOPE INTERCEPT AT THE DIRECTION OF THE ENGINEER.

LEGEND
X TREE REMOVAL

N

SHARED USE PATH (TYP)
R/L CTH KR
PROPOSED R/W
WETLAND BOUNDARY (TYP)
SLOPE INTERCEPT (TYP)
12.5:1 TAPER
ENGINEER TO ADJUST/RELOCATE FIELD INLET TO AVOID IMPACTS TO TREE ROOTS

BERNHARDT
MAJ
VILLAGE OF MOUNT PLEASANT
POND N
McCROSSEN
HEFLEN
CTH KR WB
CTH KR EB
EXISTING R/W
TLE
PLE
32'
22'
36'

BOUSE
GROSS
STENHOLT
STURINO
PARENT
RUTKOWSKI
GOINES
CORSAW
McDOWELL
WARNOCK
BANKENBUSH
KEVIN VL RANNOW TRUST
RICHARDS
202
56TH AVE

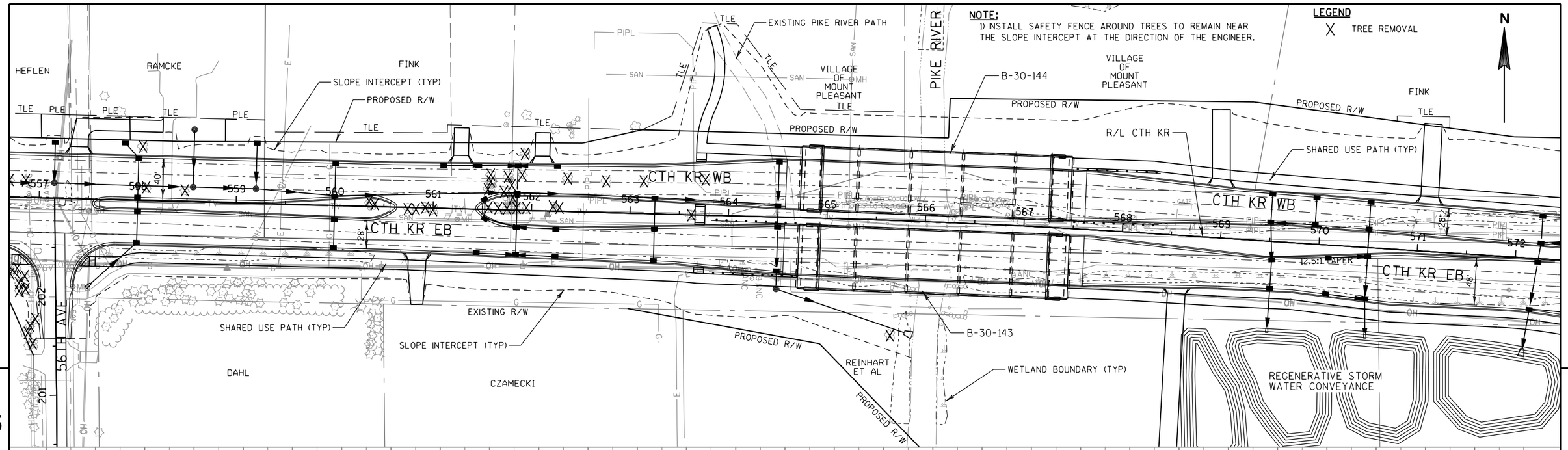
VCL 700.00
K 210.02
VPI STA 545+00.00
VPI EL 669.84
VPT STA 548+50.00
VPT EL 667.51
EXISTING PROFILE AT R/L
PROPOSED PROFILE AT PGL
-0.66%
EXISTING ELEVATION AT R/L
PROPOSED ELEVATION AT PGL

542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557
677.10	676.32	675.78	675.33	674.71	673.74	671.47	670.27	669.04	669.38	668.66	669.21	669.82	668.89	668.03	666.54	667.51	667.18	665.83	664.30	663.94	663.57	663.83	663.49	664.46	663.98	664.90	662.98	662.82	662.98	662.81
681.89	**680.07**	**678.37**	**676.79**	**675.33**	**673.98**	**672.76**	**671.65**	**670.66**	**669.79**	**669.05**	**668.42**	**667.90**	**667.51**	**667.18**	**666.85**	**666.52**	**666.18**	**665.85**	**665.52**	**665.19**	**664.85**	**664.52**	**664.19**	**663.86**	**663.52**	**663.19**	**662.86**	**662.53**	**662.19**	**661.86**

PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	PLAN AND PROFILE: CTH KR	SHEET E

PRE_200

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\050107_PP.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:100



PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	PLAN AND PROFILE: CTH KR	SHEET E

PRE_201

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\050108_PP.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:100

WISDOT/CADDS SHEET 45

NOTE:
1) INSTALL SAFETY FENCE AROUND TREES TO REMAIN NEAR THE SLOPE INTERCEPT AT THE DIRECTION OF THE ENGINEER.

LEGEND
X TREE REMOVAL

FINK

REINHART ET AL

STH 31 SB

STH 31 NB

PROPOSED R/W

R/L CTH KR

SLOPE INTERCEPT (TYP)

SHARED USE PATH (TYP)

EXISTING R/W

CTH KR WB

CTH KR EB

12.5:1 TAPER

REGENERATIVE STORM WATER CONVEYANCE

N

5

5

700

695

690

685

680

675

670

665

660

572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587

663.08 663.38 | 664.31 664.27 | 665.43 665.17 | 666.31 666.06 | 667.08 666.95 | 667.71 667.80 | 668.17 668.42 | 668.39 669.02 | 668.87 669.45 | 669.36 669.87 | 670.16 670.29 | 670.83 670.94 | 671.45 671.59 | 671.77 672.24 | 672.25 672.90 | 672.96 673.55 | 673.68 674.31 | 674.40 675.30 | 675.11 676.51 | 677.37 677.95 | 677.74 679.61 | 678.81 681.50 | 680.80 683.50 | 682.69 685.50 | 685.05 687.50 | 687.51 689.50 | 689.99 691.50 | 692.51 693.50 | 695.08 695.50 | 697.66 697.50 | 699.88 699.35

EXISTING PROFILE AT R/L

PROPOSED PROFILE AT PGL

EXISTING ELEVATION AT R/L

PROPOSED ELEVATION AT PGL

VPISTA 573+00.00
VPIEL 660.50

VPISTA 574+00.00
VPIEL 660.50

VPISTA 574+42.36
VPIEL 667.71

VPISTA 575+45.71
VPIEL 668.99

VPISTA 576+00.00
VPIEL 662.50

VPISTA 576+90.00
VPIEL 666.06

VPISTA 576+50.00
VPIEL 662.00

VPISTA 577+00.00
VPIEL 670.29

VPISTA 577+25.00
VPIEL 667.25

VPC STA 579+50.00
VPC EL 673.55

VPISTA 578+85.00
VPIEL 668.33

VPISTA 580+60.00
VPIEL 673.50

VPISTA 581+00.00
VPIEL 675.50

VPISTA 581+50.00
VPIEL 674.00

VPT STA 582+50.00
VPT EL 681.50

VPISTA 582+00.00
VPIEL 674.75

VPISTA 582+65.00
VPIEL 676.28

VPISTA 583+00.00
VPIEL 677.75

VPISTA 586+75.00
VPIEL 692.25

VPISTA 587+00.00
VPIEL 692.50

VCL 300.00
K 111.19

VCL 300.00
K 85.69

VPC STA 586+50.00
VPC EL 697.50

SPECIAL DITCH RT

SPECIAL DITCH LT

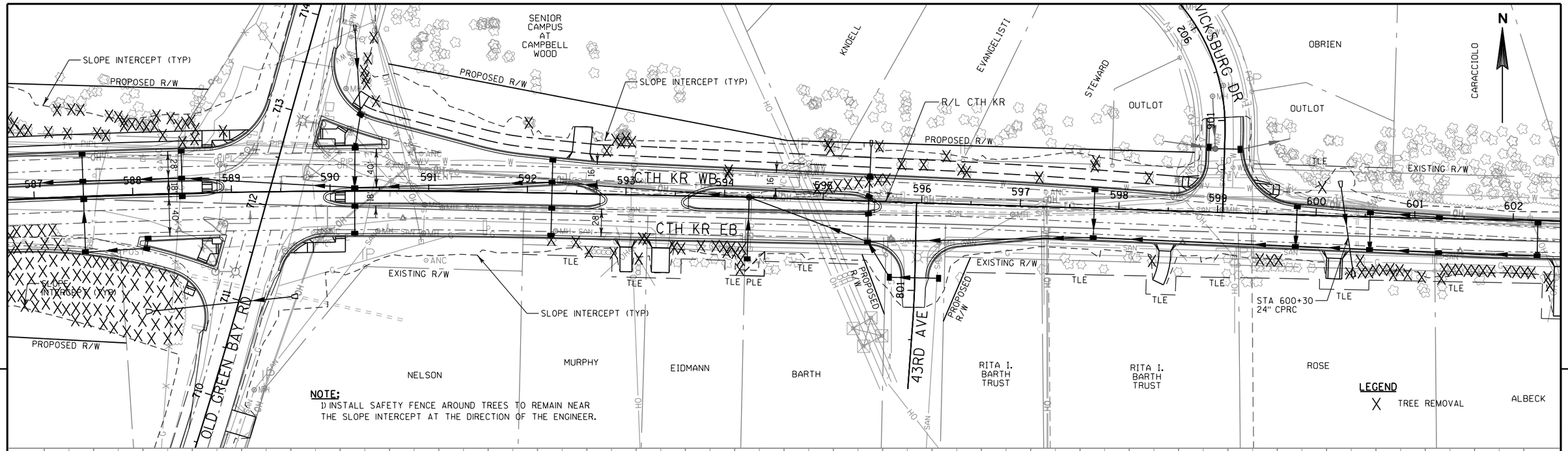
1.75% 1.79% 1.23% 0.85% 1.30% 1.87% 1.17% 7.00% 3.95% 2.06% 2.04% 0.56% 1.98% 3.00% 4.00% 3.87% 3.73% 0.56%

PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	PLAN AND PROFILE: CTH KR	SHEET E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\050109_PP.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:100

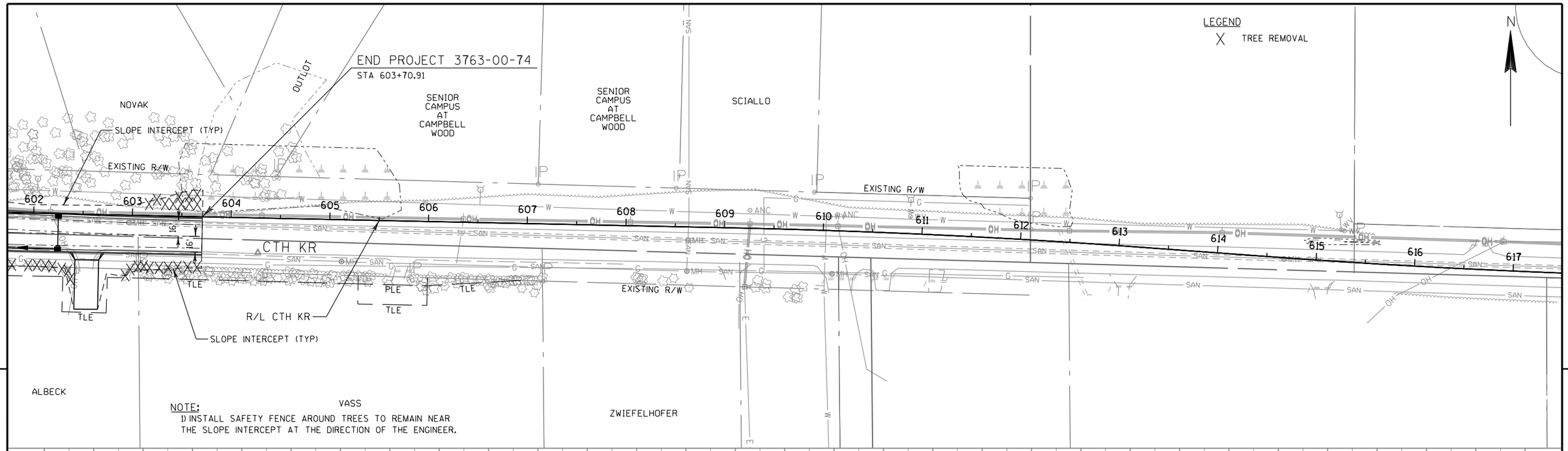
PRE_202

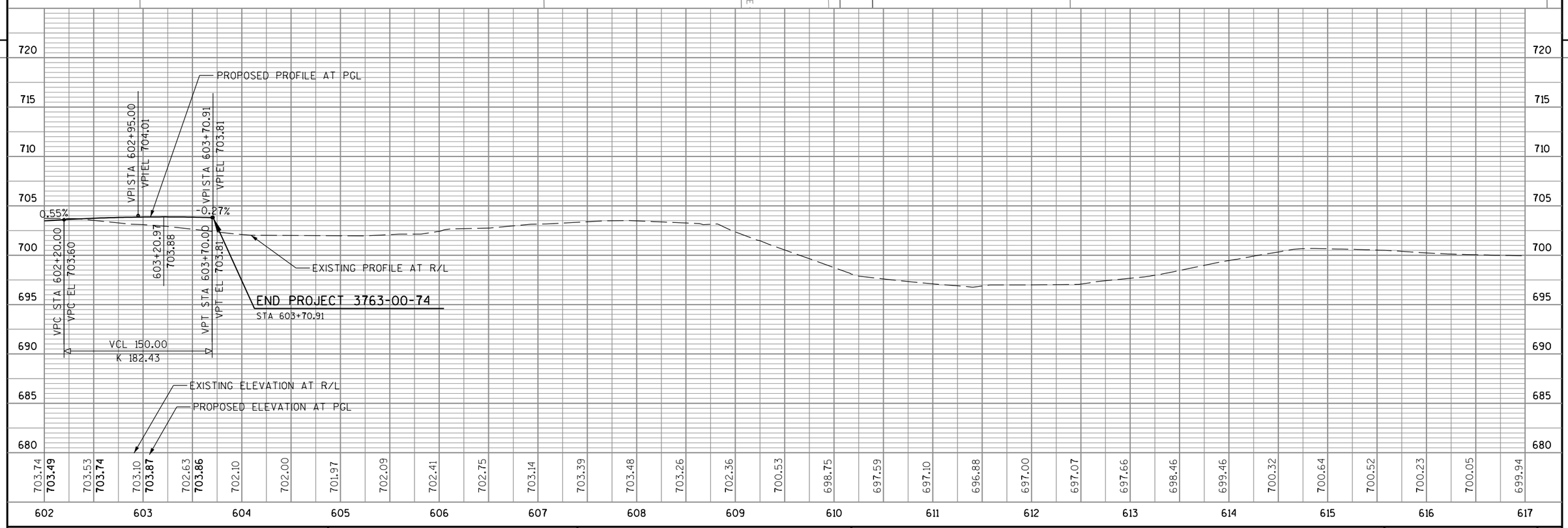
WISDOT/CADDS SHEET 45



PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	PLAN AND PROFILE: CTH KR	SHEET E

PRE_203





PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	PLAN AND PROFILE: CTH KR	SHEET E

PRE_204

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\050111_PP.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:100

WISDOT/CADDS SHEET 45

LEGEND

X TREE REMOVAL

NOTE:
1) PROPOSED TRAFFIC SIGNAL AT INTERSECTION OF CTH KR & 72ND AVE/90TH ST

BEGIN CONSTRUCTION
STA 51+81.12

SLOPE INTERCEPT (TYP)

PROPOSED R/W

EXISTING R/W

72ND AVE

R/L 72ND AVE

STA 54+38
2-19"x30" CPRCHE

PLE

SLOPE INTERCEPT (TYP)

WETLAND BOUNDARY (TYP)

CTH KR EB

CTH KR WB

90TH ST

R/L CTH KR

EXISTING 90TH ST

ANSEN

ANC

MARESCALCO

ANTOSH

PROPOSED PROFILE AT PGL

BEGIN CONSTRUCTION
STA 51+81.12

EXISTING PROFILE AT R/L

VPI STA 51+81.13
VPI EL 700.00

VPI STA 51+81.00
VPI EL 701.92

-0.50%

VPC STA 53+25.00
VPC EL 701.20

VCL 250.00
K 140.22

53+94.95
701.03

VPI STA 54+50.00
VPI EL 700.58

-1.08%

STA 54+38
2-19"x30" CPRCHE

VPI STA 54+37.50
VPI EL 697.25

VPT STA 55+75.00
VPT EL 702.18

1.28%

SPECIAL DITCH LT

VPI STA 57+00.00
VPI EL 703.79

1.58%

VPI STA 57+00.00
VPI EL 701.40

1.00%

VPI STA 57+70.57
VPI EL 704.50

-1.00%

1.00%

VPI STA 58+30.57
VPI EL 704.50

-1.00%

VPC STA 58+75.00
VPC EL 704.05

VCL 150.00
K 394.15

VPI STA 59+50.00
VPI EL 703.30

VPT STA 60+25.00
VPT EL 702.83

-0.62%

EXISTING ELEVATION AT R/L

PROPOSED ELEVATION AT PGL

| | | |

LEGEND

X TREE REMOVAL

NOTE:

1) PROPOSED TRAFFIC SIGNAL AT INTERSECTION OF CTH KR & 72ND AVE/90TH ST.

2) INSTALL SAFETY FENCE AROUND TREES TO REMAIN NEAR THE SLOPE INTERCEPT AT THE DIRECTION OF THE ENGINEER.

N

90TH ST

PROPOSED R/W

R/L CTH KR

R/L 90TH ST

ANTIOSH

SLOPE INTERCEPT (TYP)

WETLAND BOUNDARY (TYP)

EXISTING R/W

CTH KR EB

CTH KR WB

EXISTING 90TH ST

END CONSTRUCTION
STA 68+19.35

VPISTA 57+00.00
VPIEL 703.79

VPISTA 57+70.57
VPIEL 704.50

VPISTA 58+30.57
VPIEL 704.50

VPC STA 58+75.00
VPC EL 704.05

VCL 150.00
K 394.15

VPISTA 59+50.00
VPIEL 703.30

VPT STA 60+25.00
VPT EL 702.83

VPISTA 59+00.00
VPIEL 701.00

VPISTA 59+50.00
VPIEL 698.80

PROPOSED PROFILE AT PGL

VPISTA 62+75.00
VPIEL 698.80

SPECIAL DITCH LT

SPECIAL DITCH RT

VPC STA 63+00.00
VPC EL 701.13

VCL 200.00
K 179.21

VPISTA 64+00.00
VPIEL 700.51

64+11.11
700.79

VPT STA 65+00.00
VPT EL 701.01

VPC STA 65+50.00
VPC EL 701.25

VCL 200.00
K 107.14

66+03.14
701.39

VPISTA 66+50.00
VPIEL 701.75

VPT STA 67+50.00
VPT EL 700.38

VPISTA 68+28.00
VPIEL 699.31

VPISTA 68+19.00
VPIEL 696.10

VPISTA 68+19.00
VPIEL 696.20

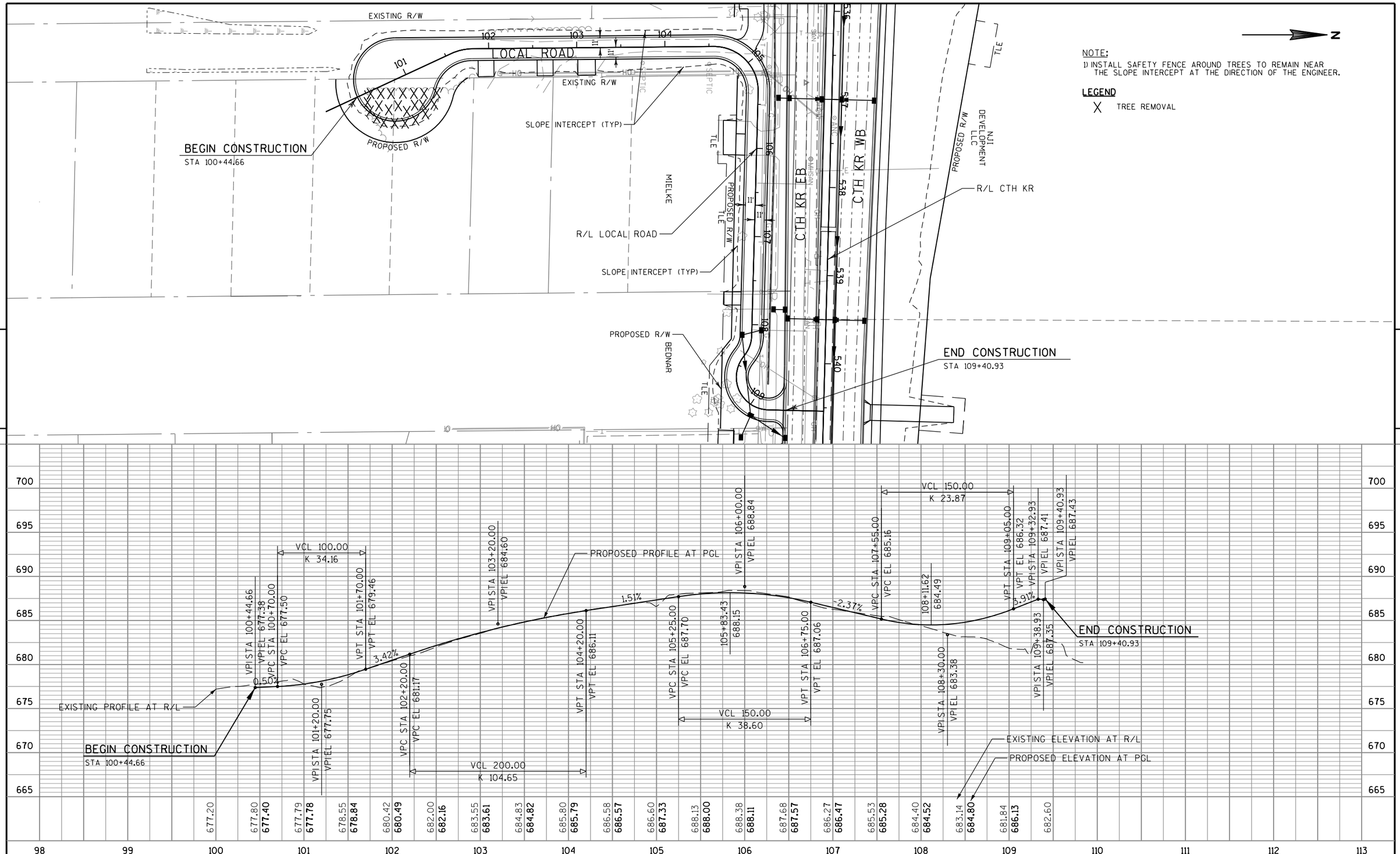
EXISTING ELEVATION AT R/L

PROPOSED ELEVATION AT PGL

EXISTING PROFILE AT R/L

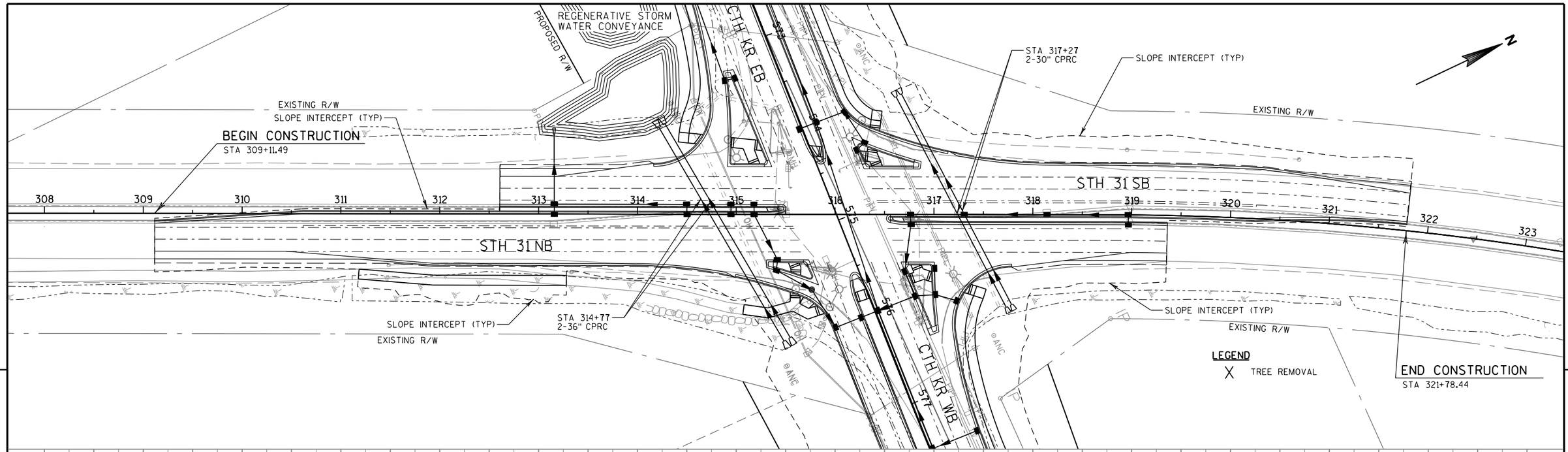
1.00% -1.00% 1.00% -1.00% -0.62% -0.59% -0.30% -0.50% 0.50% -1.37%

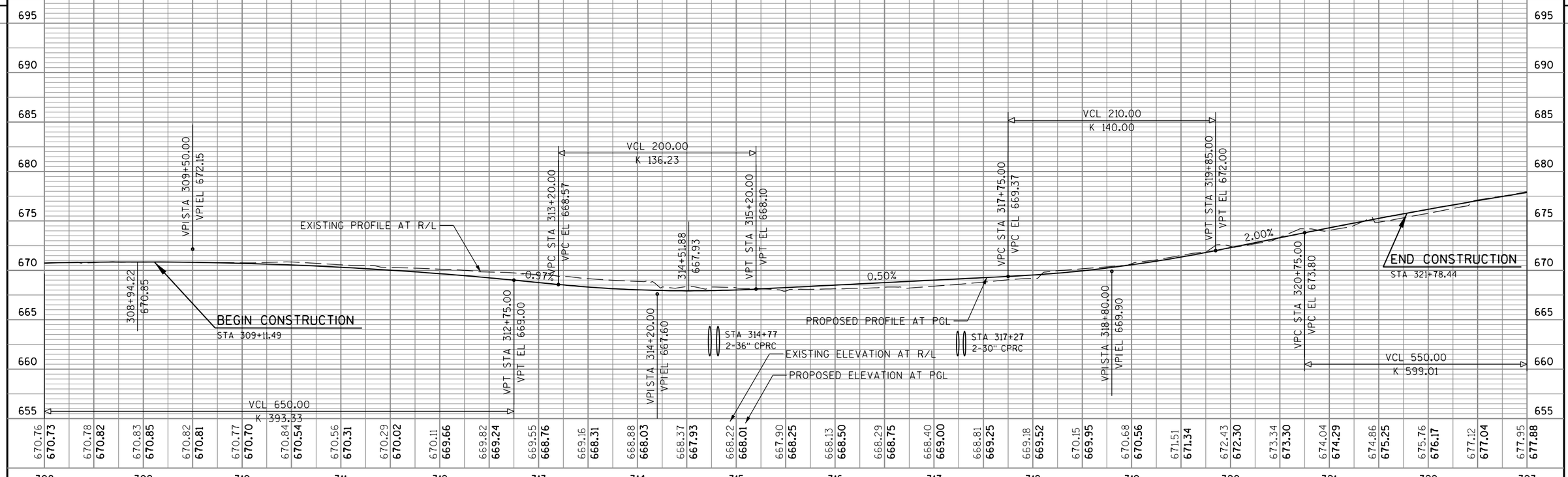
| | | |



PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	PLAN AND PROFILE: LOCAL ROAD	SHEET E

PRE_207

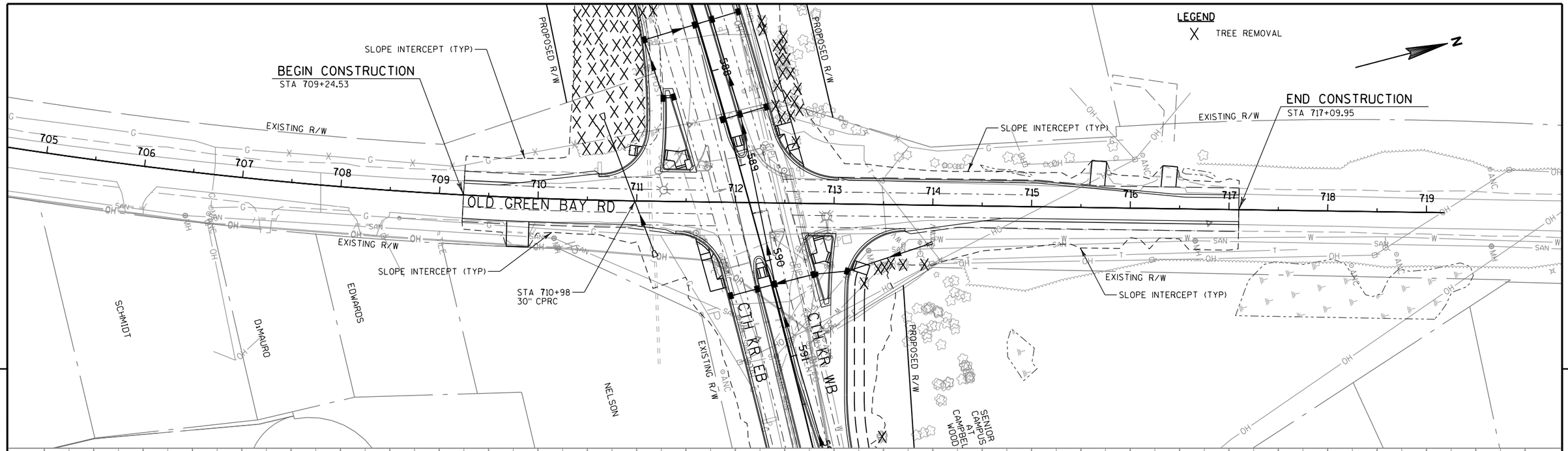


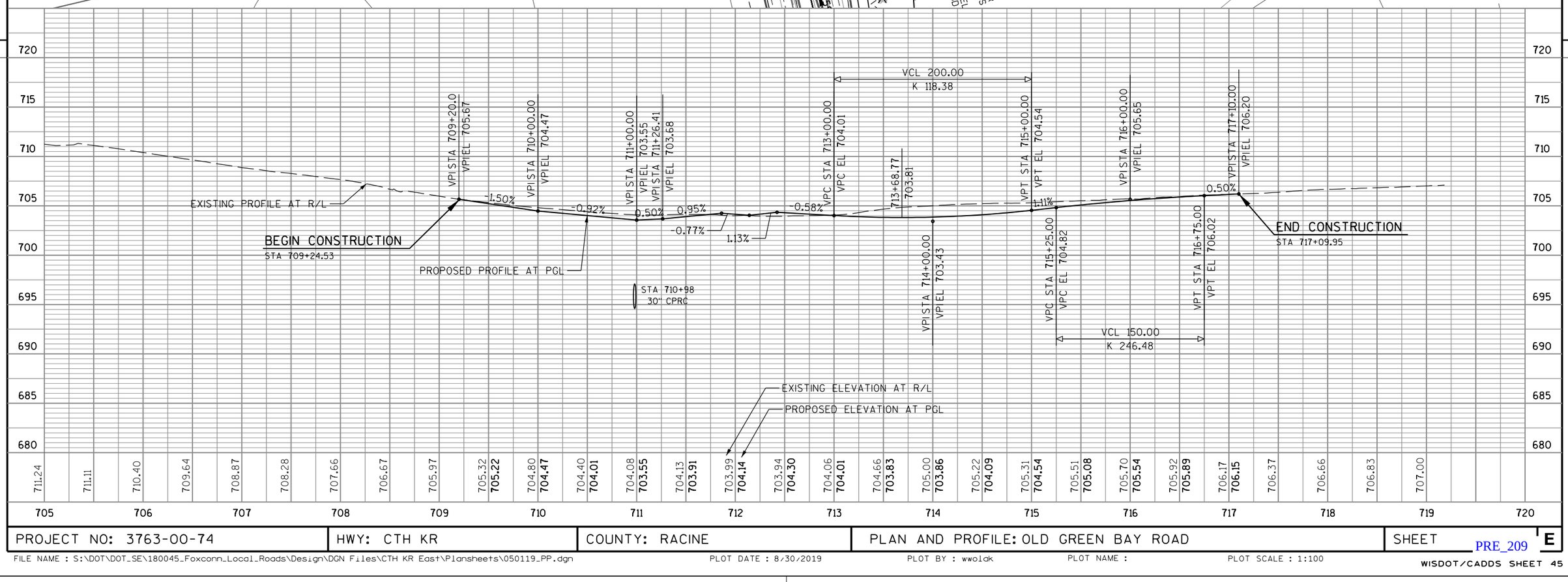


PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	PLAN AND PROFILE: STH 31	SHEET E

PRE_208

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\050117_PP.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:100

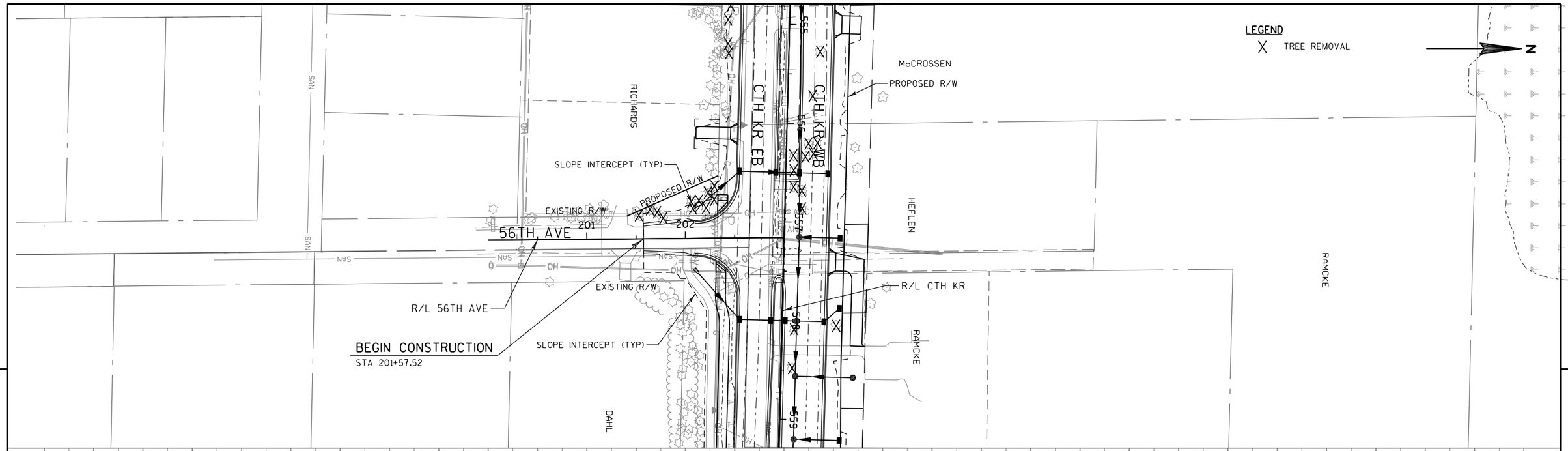


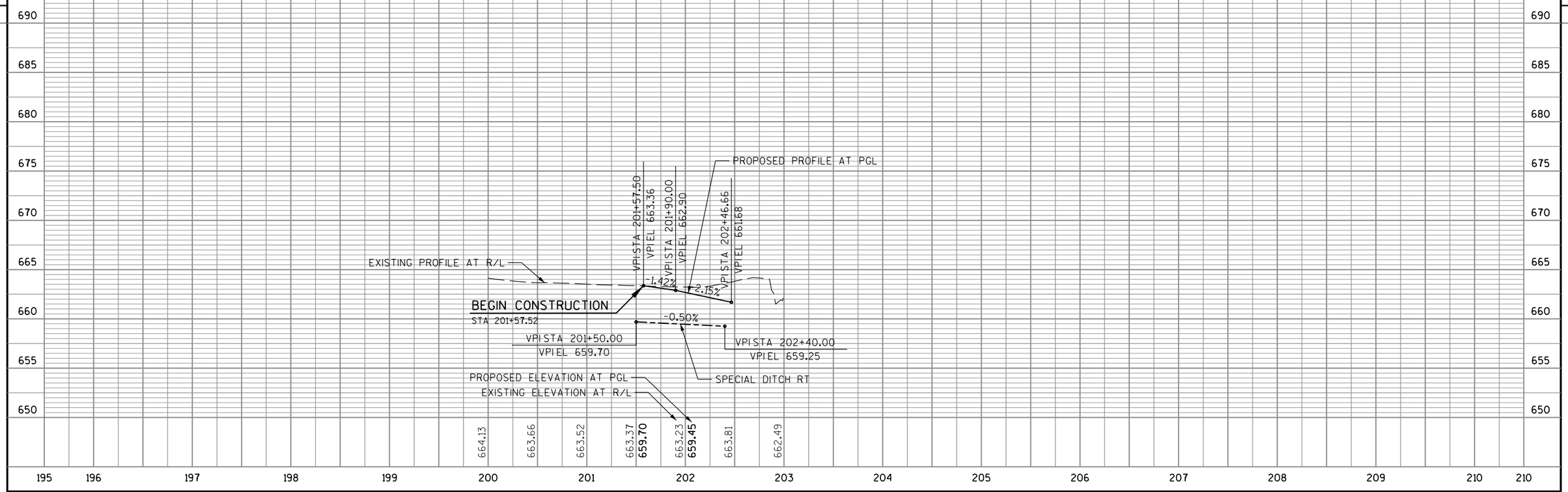


PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	PLAN AND PROFILE: OLD GREEN BAY ROAD	SHEET E

PRE_209

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\050119_PP.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:100



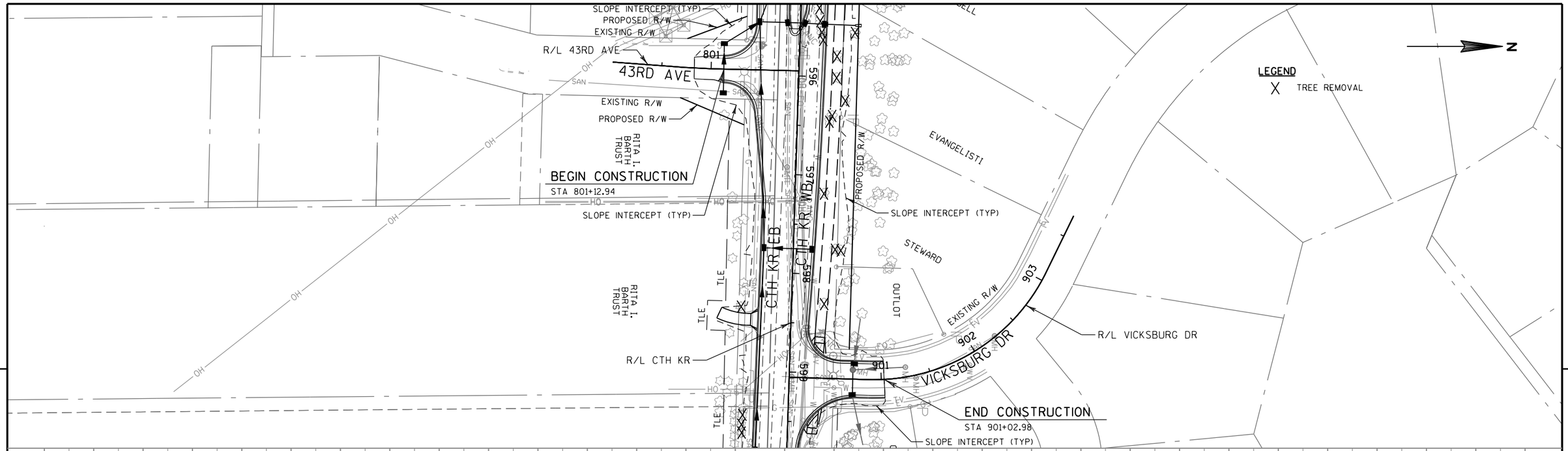


PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	PLAN AND PROFILE: 56TH STREET	SHEET E

PRE_210

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WISDOT/CADDS SHEET 45



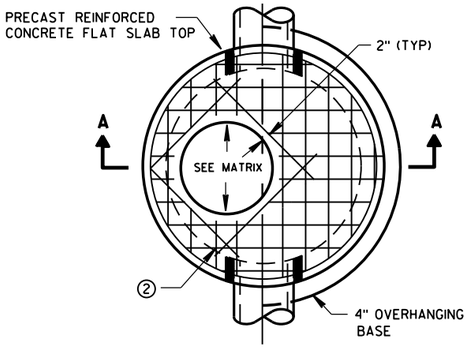
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PRE_211

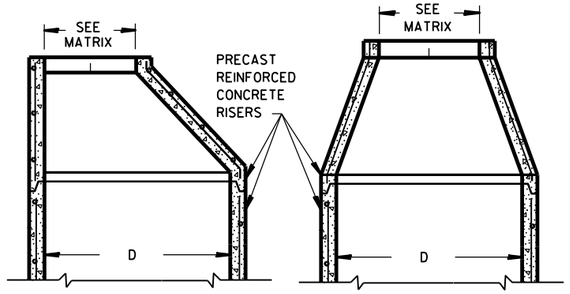
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WISDOT/CADDS SHEET 45

SDD 8b9 Manholes 3-FT, 4-FT, 5-FT, 6-FT, 7-FT, and 8-FT Diameter

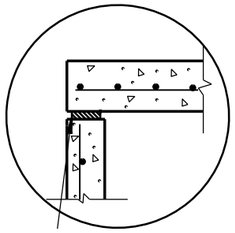


PLAN VIEW CIRCULAR OPENING



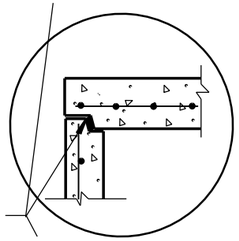
OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP

OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP

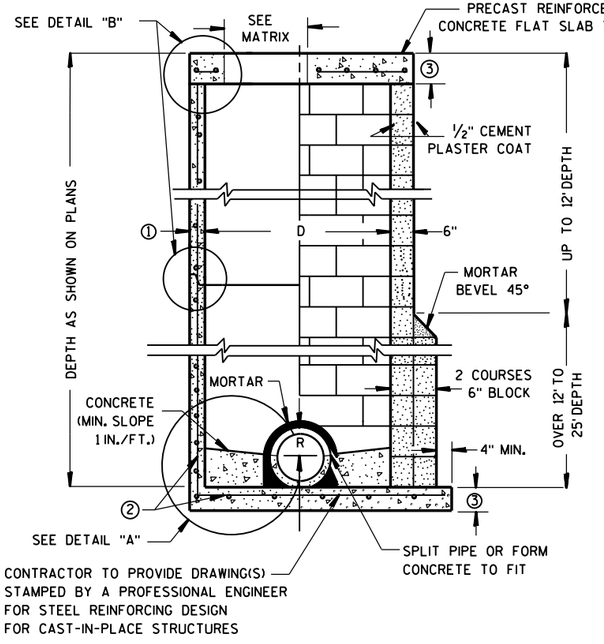


TOP WITH PLAIN END JOINT

JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C990 (TYP)



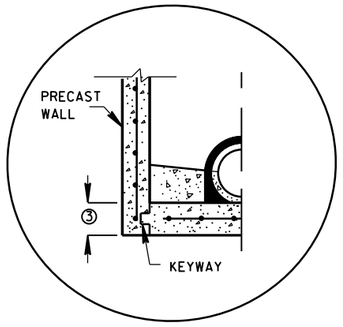
TOP WITH TONGUE AND GROOVE JOINT



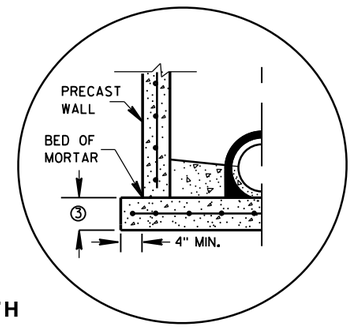
CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES

PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②

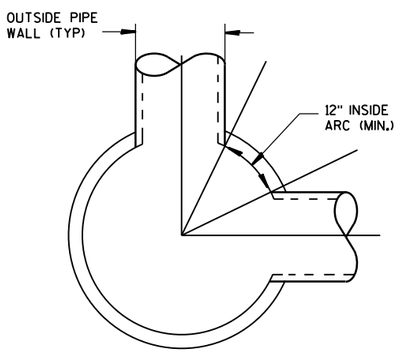


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION

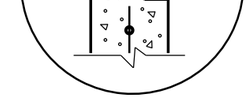


SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



DETAIL "C"



RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B"

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST MANHOLE UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

PRECAST REINFORCED CONE TOPS (ECCENTRIC OR CONCENTRIC) OR PRECAST REINFORCED FLAT SLAB TOPS MAY BE USED ON CONCRETE BLOCK STRUCTURES.

ECCENTRIC CONE TOPS MAY BE USED ON ALL STRUCTURES, AND CONCENTRIC CONE TOPS SHALL BE USED ONLY ON STRUCTURES 5 FEET OR LESS IN DEPTH, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

STEPS MEETING AASHTO M199 AND THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH: 16 INCH C-C MAXIMUM SPACING; PROJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES FROM THE WALL AT THE POINT OF EMBEDMENT; MINIMUM LENGTH OF 10 INCHES; MINIMUM WALL EMBEDMENT OF 3 INCHES. FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS SECTIONAL DIMENSION OF 1 INCH.

STEPS OF APPROVED POLYPROPYLENE PLASTIC COATED REINFORCEMENT BAR ARE ACCEPTABLE. REINFORCING BAR MUST BE A MINIMUM OF ½" AND MEET THE REQUIREMENTS OF ASTM A615.

CERTIFICATION SHALL BE PROVIDED THAT INSTALLED STEPS WHEN TESTED IN ACCORDANCE WITH SECTION 10 OF AASHTO T280 CAN WITHSTAND A VERTICAL LOAD OF 800 LBS. AND A HORIZONTAL LOAD OF 400 LBS.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

CONCRETE BLOCK WILL NOT BE PERMITED FOR STRUCTURES GREATER THAN 4 FEET IN DIAMETER.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

ALL PRECAST MANHOLE UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M 199.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "C".

① MINIMUM WALL THICKNESS SHALL BE 4 INCHES FOR 3-FT, 5 INCHES FOR 4-FT, 6 INCHES FOR 5-FT, 7 INCHES FOR 6-FT, 8 INCHES FOR 7-FT AND 9 INCHES FOR 8-FT DIAMETER PRECAST MANHOLES.

② FOR PRECAST MANHOLES PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

③ PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER OF 48" AND LESS SHALL HAVE A MINIMUM THICKNESS OF 6". PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER LARGER THAN 48" SHALL HAVE A MINIMUM THICKNESS OF 8".

MANHOLE COVER OPENING MATRIX

MANHOLE COVER TYPE	C	ALL J'S	K	L	M
OPENING SIZE (FT)					
2 DIA.	X	X		X	
3 DIA.			X		X

PIPE MATRIX

MANHOLE SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18
5-FT	36	24
6-FT	42	36
7-FT	48	36
8-FT	60	42

MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER

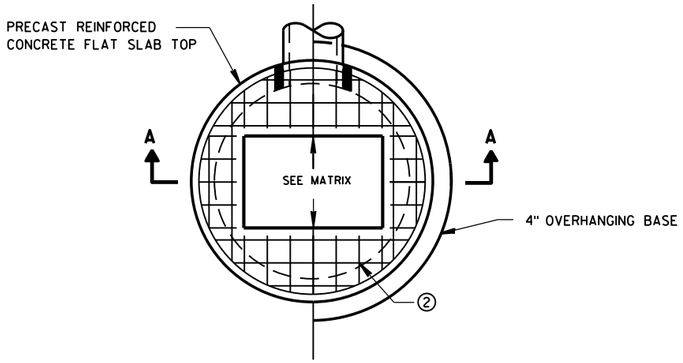
MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

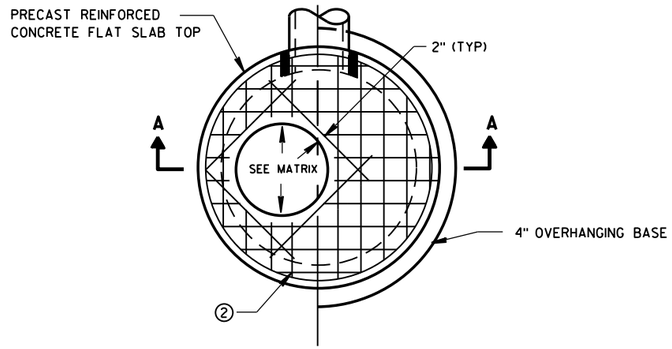
APPROVED
Sept., 2016
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT
UNIT SU PRE_212
FHWA

6
S.D.D. 8 B 9-2

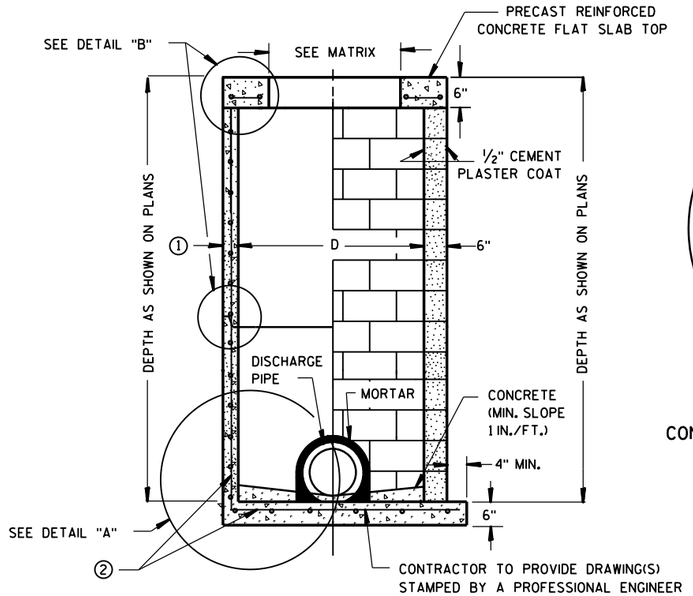
SDD 8c6 Inlets 3-FT and 4-FT Diameter



PLAN VIEW RECTANGULAR OPENING



PLAN VIEW CIRCULAR OPENING

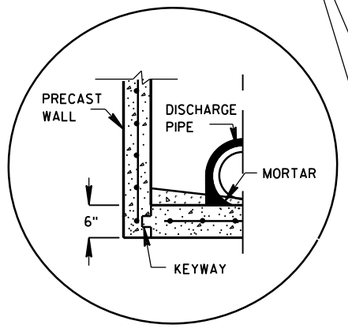


SECTION A-A

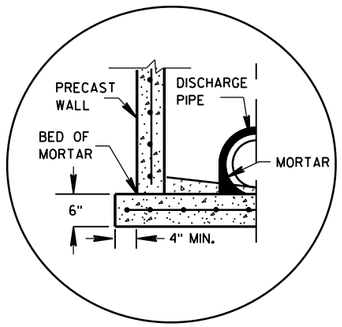
PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②

CIRCULAR INLETS W/ FLAT TOP

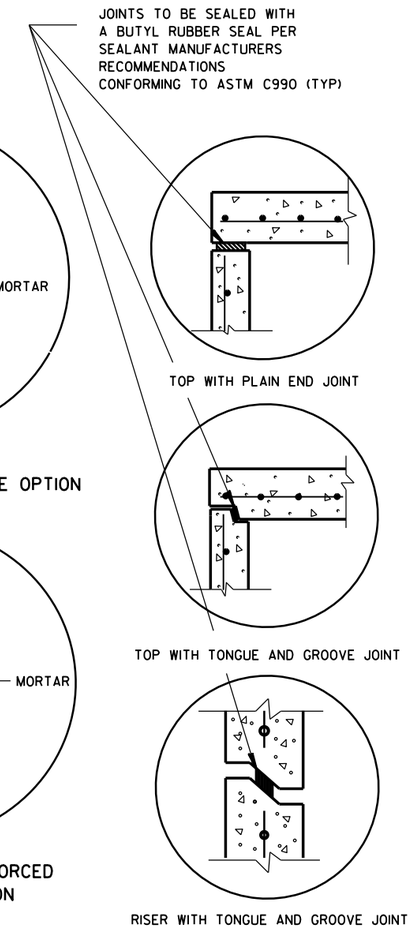


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



DETAIL "B"

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M199.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

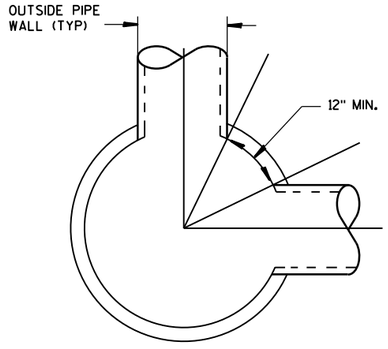
FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "C".

① MINIMUM WALL THICKNESS SHALL BE 4-IN FOR 3-FT DIAMETER AND 5-IN FOR 4-FT DIAMETER PRECAST INLETS.

② FOR PRECAST CATCH BASINS PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

INLET COVER OPENING MATRIX

	INLET COVER TYPE	ALL A'S	ALL B'S	BW	C	F	ALL H'S	S	T	V	WM	Z
INLET SIZE	OPENING SIZE (FT)											
3-FT	2 DIA.				X							X
	2X2	X	X					X		X		
4-FT	2 DIA.				X							X
	2X2	X	X					X		X		
	2X2.5			X				X	X	X	X	
	2X3						X					
	2.5X3					X						



DETAIL "C"

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18

INLETS 3-FT AND 4-FT DIAMETER

STATE OF WISCONSIN
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APPROVED
Sept.. 2016 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS UNIT
FHWA

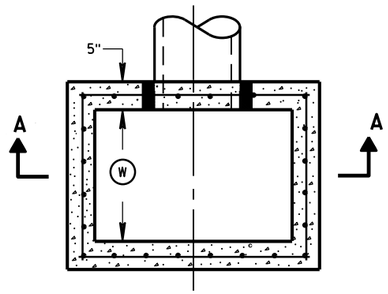
PRE_213

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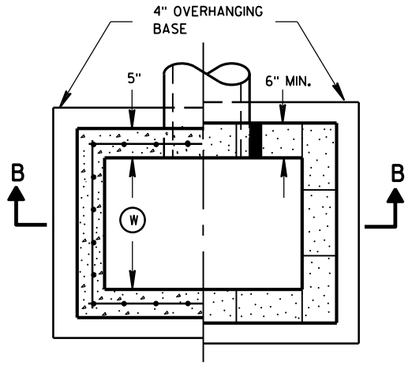
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S.D.D. 8 C 6-2

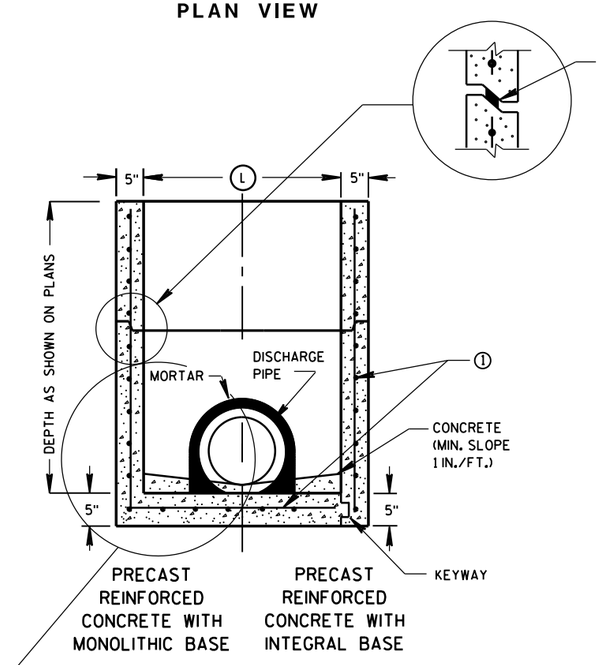
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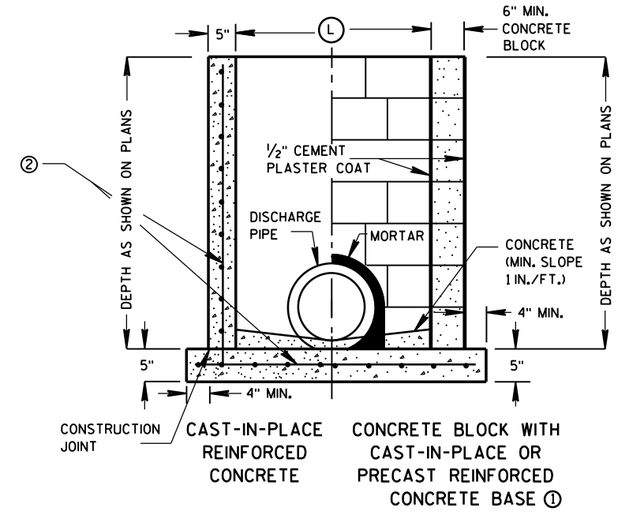
PLAN VIEW



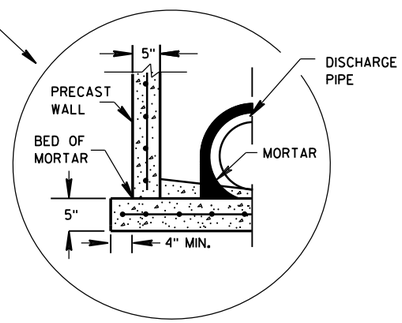
PLAN VIEW



SECTION A-A



SECTION B-B



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATES THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

4" OVERHANGING BASES ARE REQUIRED FOR CAST-IN-PLACE REINFORCED CONCRETE AND CONCRETE BLOCK INSTALLATIONS.
4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED.
OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3 INCH CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

① FOR PRECAST INLETS PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

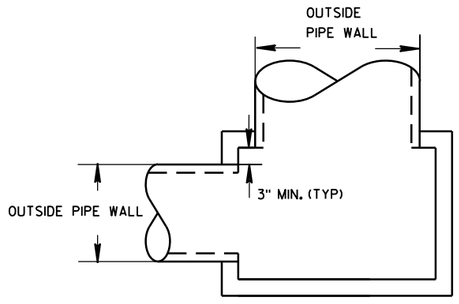
② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

INLET COVER MATRIX

INLET SIZE		INLET COVER TYPE	ALL A'S	ALL B'S	BW	F	ALL H'S	S	T	V	WM
	WIDTH (W) (FT)	LENGTH (L) (FT)									
2X2-FT	2	2	X	X				X		X	
2X2.5-FT	2	2.5			X			X	X	X	X
2X3-FT	2	3					X				
2.5X3-FT	2.5	3				X					

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER	
	WIDTH (IN)	LENGTH (IN)
2X2-FT	12	12
2X2.5-FT	12	18
2X3-FT	12	24
2.5X3-FT	18	24



DETAIL "A"

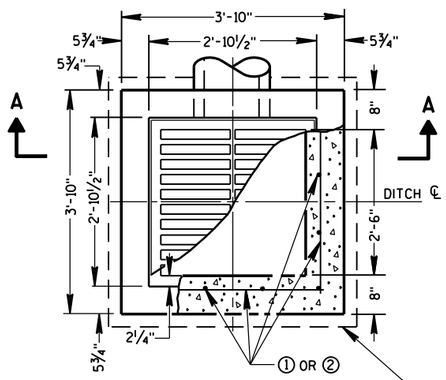
INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

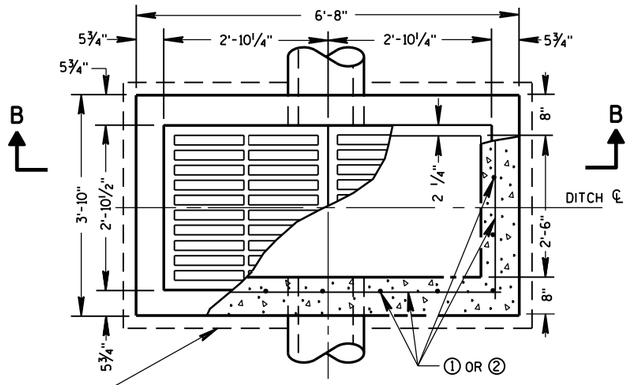
APPROVED
Sept., 2016
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS
UNIT SUP
FHWA

PRE_214

SDD 8c8 Inlets Median 1 and 2 Grate

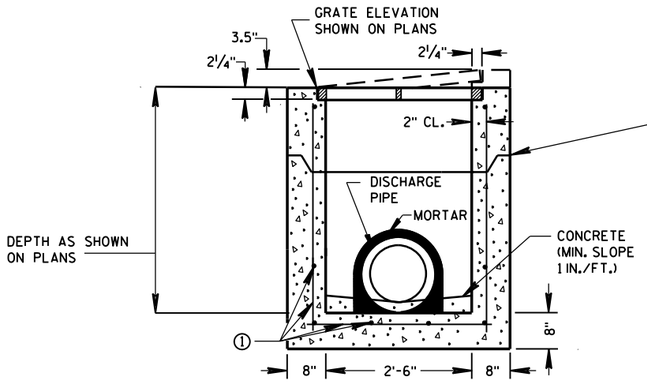


PLAN VIEW

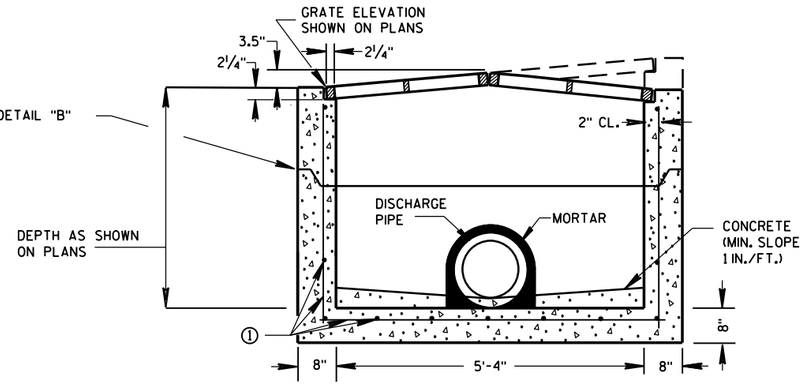


PLAN VIEW

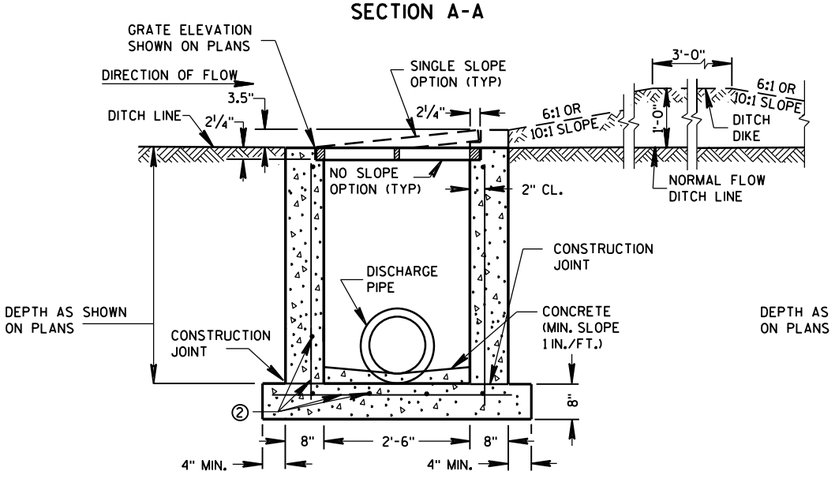
4" OVERHANGING BASE ON REINFORCED CAST-IN-PLACE CONCRETE INLETS



PRECAST REINFORCED CONCRETE SECTION A-A

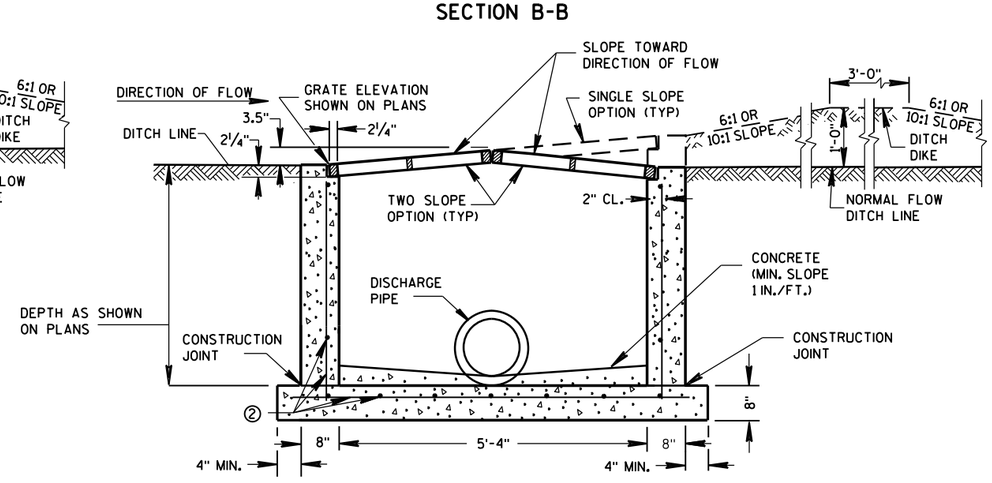


PRECAST REINFORCED CONCRETE SECTION B-B



REINFORCED CAST-IN-PLACE CONCRETE SECTION A-A

INLETS MEDIAN 1 GRATE



REINFORCED CAST-IN-PLACE CONCRETE SECTION B-B

INLETS MEDIAN 2 GRATE

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR INLETS WHICH MAY INCLUDE PRECAST REINFORCED CONCRETE INLETS, SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL MEDIAN INLETS ARE DESIGNATED ON THE PLANS AS "INLETS, IG-MS", ETC. THE FIRST NUMBER AND LETTER DESIGNATE THE TYPE OF STRUCTURE, AND THE FOLLOWING LETTERS DESIGNATE THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

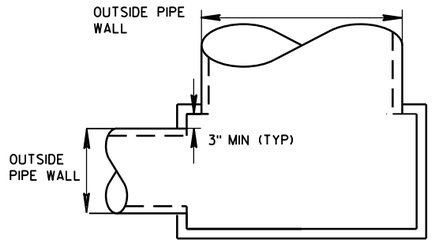
MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3" CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

① FOR PRECAST INLETS PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

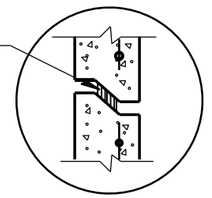
PIPE MATRIX

	MAXIMUM INSIDE PIPE DIAMETER	
INLET SIZE	WIDTH (IN)	LENGTH (IN)
1 GRATE	18	18
2 GRATE	18	42



DETAIL "A"

JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 (TYP)



DETAIL "B"

INLETS MEDIAN 1 AND 2 GRATE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept., 2016 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS UNIT SU
FHWA

PRE_215

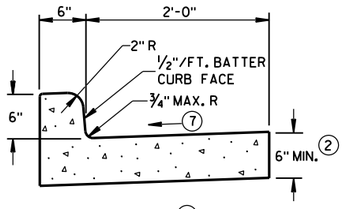
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S.D.D. 8 C 8-2

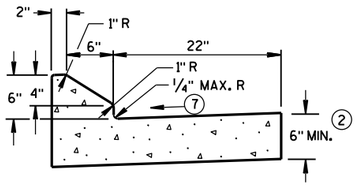
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S.D.D. 8 C 8-2

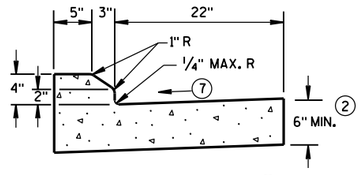
SDD 8d1-a Concrete Curb, Concrete Curb & Gutter



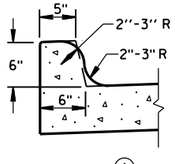
TYPES A (1) & D



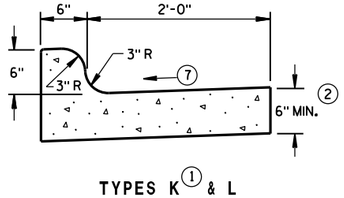
6" SLOPED CURB TYPES G (1) & J



4" SLOPED CURB TYPES G (1) & J

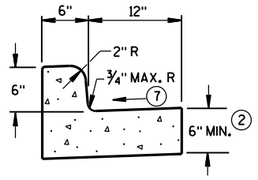


TYPES K (1) & L
(OPTIONAL CURB SHAPE)



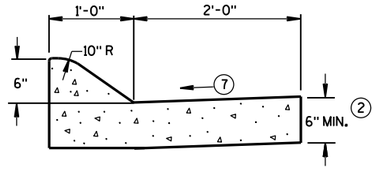
TYPES K (1) & L

CONCRETE CURB & GUTTER 30"

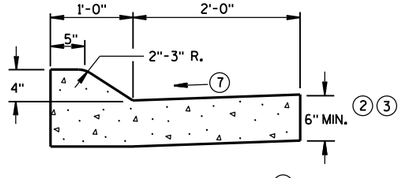


TYPES A (1) & D

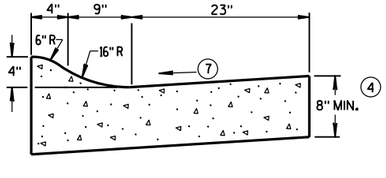
CONCRETE CURB & GUTTER 18"



6" SLOPED CURB TYPES A (1) & D

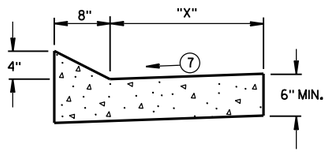


4" SLOPED CURB TYPES A (1) & D



4" SLOPED CURB TYPES R (1) & T (5)

CONCRETE CURB & GUTTER 36"



TYPES TBT & TBTT (1)

CONCRETE CURB & GUTTER

TBT & TBTT	"X"
30"	22"
36"	28"

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

INTEGRAL CURB & GUTTER SHALL CONFORM TO THE DETAILS SHOWN FOR CONCRETE CURB & GUTTER INCLUDING THE TRANSVERSE GUTTER SLOPE.

WHERE THE TRANSVERSE JOINTS IN THE PAVEMENT ARE REQUIRED TO BE SEALED, THE JOINTS IN THE INTEGRAL CURB AND GUTTER SHALL BE SEALED TO THE FACE OF CURB WITH THE SAME TYPE OF SEALANT. THE COST OF FURNISHING AND INSTALLING THIS SEALANT SHALL BE INCIDENTAL TO THE ITEM CONCRETE CURB AND GUTTER.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2'-0" BEHIND THE BACK OF CURBS.

(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTER TYPES A, G, K, R AND TBTT.

(2) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(3) USE 8" MINIMUM GUTTER THICKNESS WHEN USED WITH AN ADJACENT CONCRETE TRUCK APRON PLACED BEHIND BACK OF CURB.

(4) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 8" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(5) THE FACE OF CURB IS 6" FROM THE BACK OF CURB.

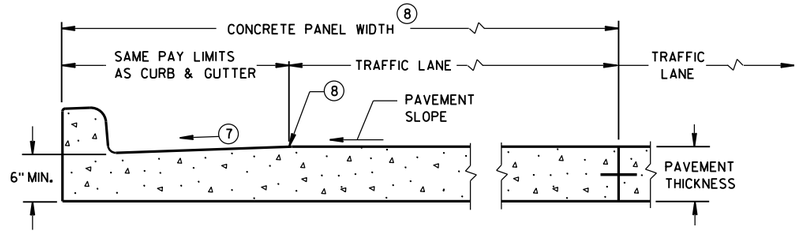
(6) WHEN REVERSE SLOPE GUTTER IS REQUIRED, THE LOCATION(S) WILL BE SHOWN ELSEWHERE IN THE PLAN.

(7) USE 4% GUTTER CROSS SLOPE UNLESS OTHERWISE NOTED IN THE PLANS.

(8) INCLUDE LONGITUDINAL JOINT AND TIE BARS ALONG LANE EDGE WHEN CONCRETE PANEL WIDTH EXCEEDS THE MAXIMUM WIDTH PER TABLE BELOW. LONGITUDINAL JOINT(S) ARE NOT ALLOWED WITHIN TRAFFIC LANES AND BIKE LANES. LONGITUDINAL JOINT MAY BE SAWED.

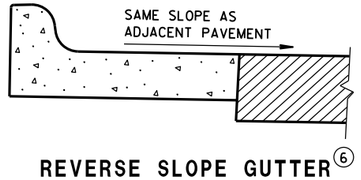
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

PAVEMENT THICKNESS	MAXIMUM PANEL WIDTH
LESS THAN 10"	12'
10" & ABOVE	15'



PARTIAL SECTION OF PAVEMENT * WITH INTEGRAL CURB & GUTTER

* BIKE LANE IS NOT SHOWN.



REVERSE SLOPE GUTTER (6)
(TYPICAL FOR ALL CURB & GUTTER TYPES)

CONCRETE CURB & GUTTER

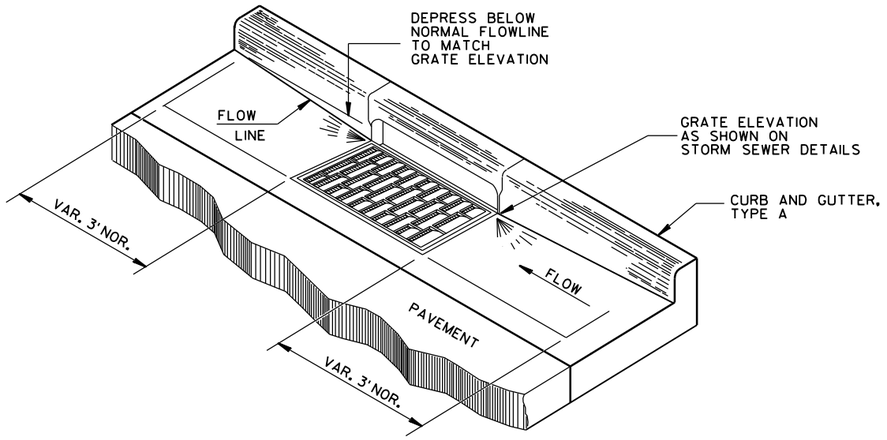
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PRE_216

6

S.D.D. 8 D 1-20a

SDD 8d1-b Concrete Curb Ties and Curb & Gutter Applications



DETAIL OF CURB AND GUTTER AT INLETS

(TYPE H INLET COVER SHOWN)

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

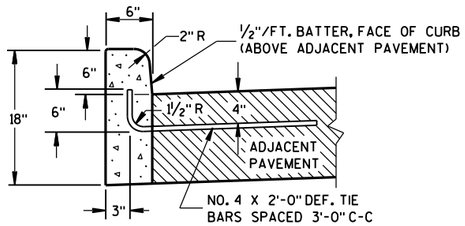
PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2'-0" BEHIND THE BACK OF CURBS.

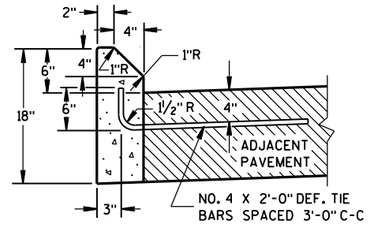
(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTER TYPES A, G, K, R AND TBTT.

(2) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(9) REFER TO SDD 8D18 AND SDD 8D19 FOR ADDITIONAL DRIVEWAY ENTRANCE CURB DETAILS.

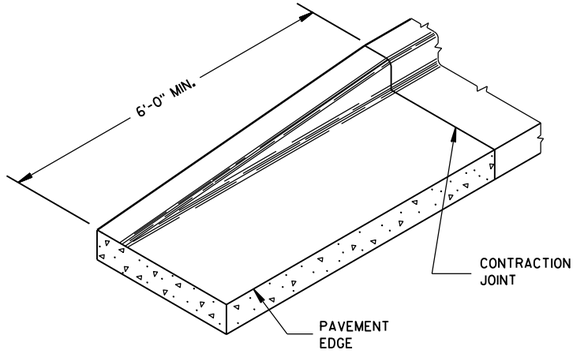


TYPES A(1) & D

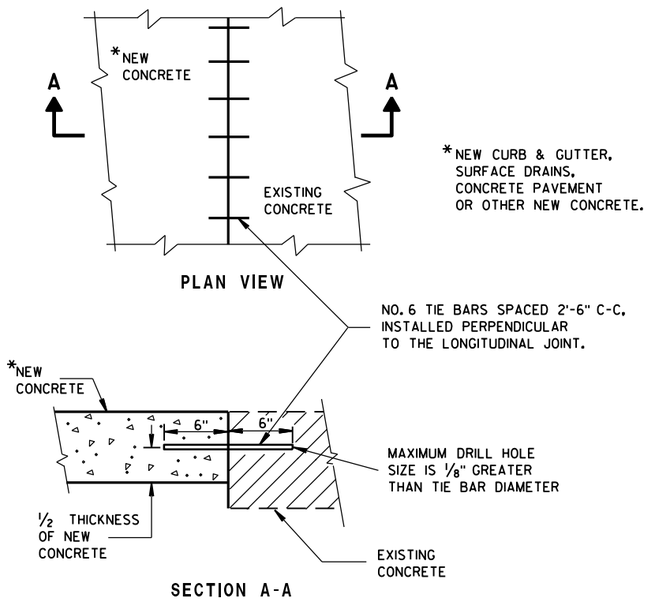


TYPES G(1) & J

CONCRETE CURB



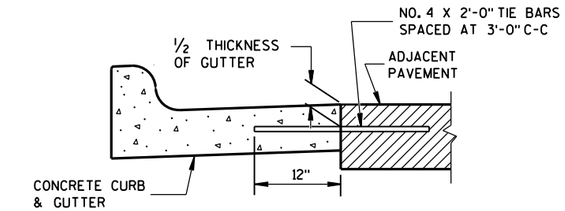
END SECTION CURB & GUTTER



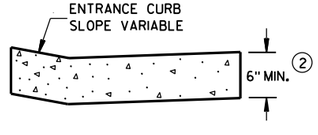
PLAN VIEW

SECTION A-A

TIE BARS DRILLED INTO EXISTING PAVEMENT



TYPICAL TIE BAR LOCATION (1)



DRIVEWAY ENTRANCE CURB (9)

(WHEN DIRECTED BY THE ENGINEER)

CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2017
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS UNIT SUPERVISOR

FHWA

PRE_217

6

S.D.D. 8 D 1-20b

SDD 8f1 Apron Endwalls for Culvert Pipe

METAL APRON ENDWALLS

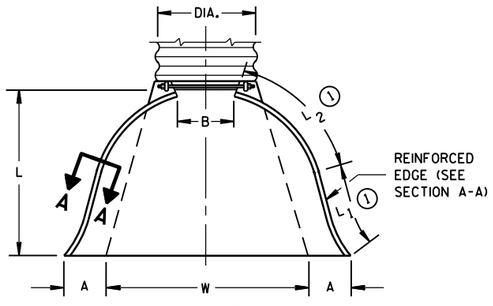
PIPE DIA. (IN.)	MIN. THICK. (inches)		DIMENSIONS (inches)							APPROX. SLOPE	BODY
	STEEL	ALUM.	A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L_1 ①	L_2 ①	W (±2")		
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4	36	2 1/2 to 1	1 Pc.
21	.064	.060	9	12	6	36	18	29 5/8	42	2 1/2 to 1	1 Pc.
24	.064	.075	10	13	6	41	18	37 1/4	48	2 1/2 to 1	1 Pc.
30	.079	.075	12	16	8	51	18	52 1/4	60	2 1/2 to 1	1 Pc.
36	.079	.105	14	19	9	60	24	59 3/4	72	2 1/2 to 1	2 Pc.
42	.109	.105	16	22	11	69	24	75 5/8	84	2 1/2 to 1	2 Pc.
48	.109	.105	18	27	12	78	24	81	90	2 1/4 to 1	3 Pc.
54	.109	.105	18	30	12	84	30	85 1/2	102	2 1/4 to 1	3 Pc.
60	.109×	.105×	18	33	12	87	—	—	114	2 to 1	3 Pc.
66	.109×	.105×	18	36	12	87	—	—	120	2 to 1	3 Pc.
72	.109×	.105×	18	39	12	87	—	—	126	2 to 1	3 Pc.
78	.109×	.105×	18	42	12	87	—	—	132	1 1/2 to 1	3 Pc.
84	.109×	.105×	18	45	12	87	—	—	138	1 1/2 to 1	3 Pc.
90	.109×	.105×	18	37	12	87	—	—	144	1 1/2 to 1	3 Pc.
96	.109×	.105×	18	35	12	87	—	—	150	1 1/2 to 1	3 Pc.

× EXCEPT CENTER PANEL SEE GENERAL NOTES

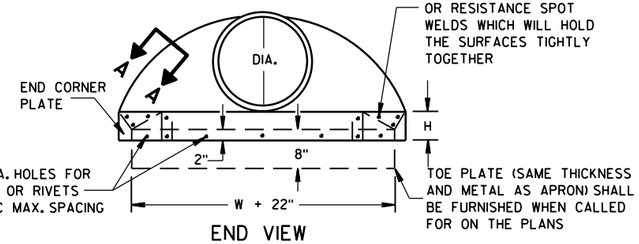
REINFORCED CONCRETE APRON ENDWALLS

PIPE DIA. (IN.)	DIMENSIONS (inches)							APPROX. SLOPE
	T	A	B	C	D	E	G	
12	2	4	24	48 7/8	72 7/8	24	2	3 to 1
15	2 1/4	6	27	46	73	30	2 1/4	3 to 1
18	2 1/2	9	27	46	73	36	2 1/2	3 to 1
21	2 3/4	9	36	37 1/2	73 1/2	42	2 3/4	3 to 1
24	3	9 1/2	43 1/2	30	73 1/2	48	3	3 to 1
27	3 1/4	10 1/2	49 1/2	24	73 1/2	54	3 1/4	3 to 1
30	3 1/2	12	54	19 3/4	73 1/2	60	3 1/2	3 to 1
36	4	15	63	34 3/4	97 3/4	72	4	3 to 1
42	4 1/2	21	63	35	98	78	4 1/2	3 to 1
48	5	24	72	26	98	84	5	3 to 1
54	5 1/2	27	65	* 33 1/4 - ** 35	* 98 1/4 - ** 100	90	5 1/2	2 2/5 to 1
60	6	* 30 - ** 35	60	39	99	96	5	2 to 1
66	6 1/2	* 24 - 30 **	* 72 - 78 **	* 21 - 27 **	99	102	5 1/2	2 to 1
72	7	* 24 - 36 **	78	21	99	108	6	2 to 1
78	7 1/2	* 24 - 36 **	78	21	99	114	6 1/2	2 to 1
84	8	36	90 1/2	21	111 1/2	120	6 1/2	1 1/2 to 1
90	8 1/2	41	87 1/2	24	111 1/2	132	6 1/2	1 1/2 to 1

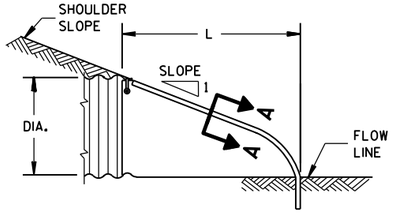
*MINIMUM
**MAXIMUM



PLAN VIEW

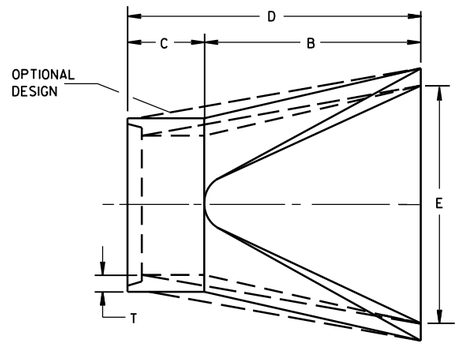


END VIEW

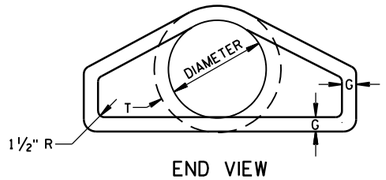


SIDE ELEVATION

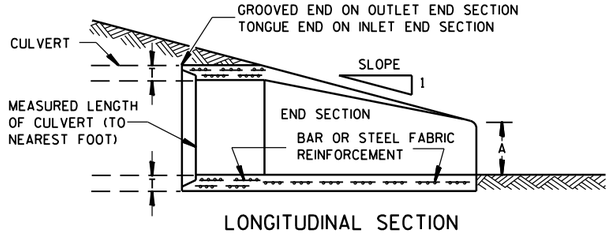
METAL ENDWALLS



PLAN

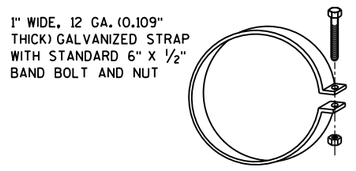


END VIEW



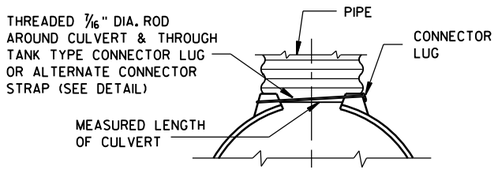
LONGITUDINAL SECTION

CONCRETE ENDWALLS

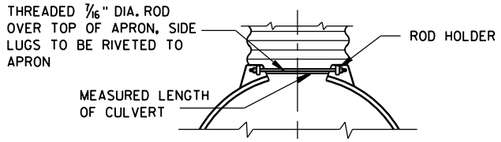


ALTERNATE FOR TYPE 1 CONNECTION

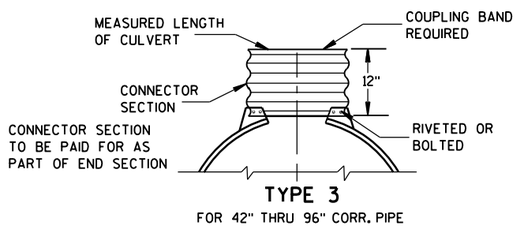
END SECTION CONNECTOR STRAP



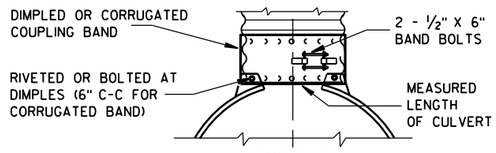
TYPE 1
FOR 12" THRU 24" CORR. PIPE



TYPE 2
FOR 30" THRU 96" CORR. PIPE



TYPE 3
FOR 42" THRU 96" CORR. PIPE



TYPE 5
ALTERNATE FOR:
ALL SIZES CORRUGATED CIRCULAR PIPE

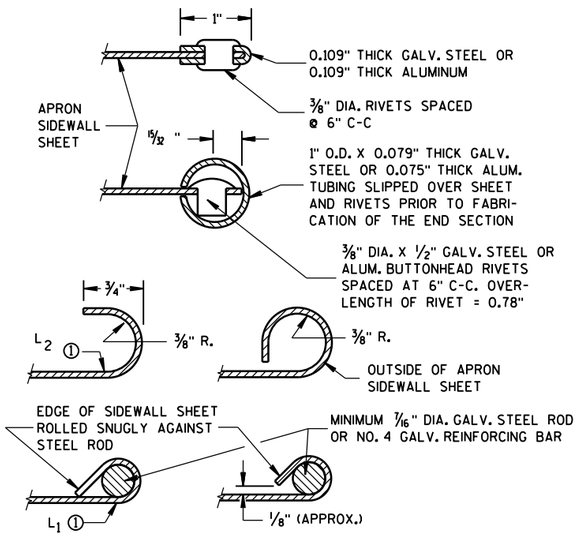
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL, AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

FOR CIRCUMFERENTIALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2, 3 OR 5 AS APPLICABLE.

FOR HELICALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2 OR 5.

FOR HELICALLY CORRUGATED PIPES WITH TWO CIRCUMFERENTIAL CORRUGATIONS AT EACH END USE ENDWALL CONNECTION DETAILS 1, 2 OR 3.

CONNECTION DETAILS



SECTION A-A

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

CONCRETE CULVERT ENDWALLS MAY NOT BE USED WITH GALVANIZED STEEL OR ALUMINUM CULVERT PIPE OR VISE VERSA. GALVANIZED STEEL OR ALUMINUM ENDWALLS SHALL NORMALLY BE INSTALLED ON CULVERT PIPE OF THE SAME METAL.

ALL THREE PIECE STEEL APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.105" SIDES AND 0.134" CENTER PANELS. THE WIDTH OF CENTER PANELS SHALL BE GREATER THAN 20 PERCENT OF THE PIPE PERIMETER.

LAP SEAMS SHALL BE TIGHTLY JOINED BY GALVANIZED RIVETS OR BOLTS FOR STEEL UNITS AND ALUMINUM RIVETS AND BOLTS FOR ALUMINUM UNITS. FOR THE 60" THROUGH 96" DIAMETER APRON ENDWALL SIZES, THE REINFORCED EDGES AND CENTER PANEL SEAMS SHALL BE FURTHER REINFORCED WITH GALVANIZED STEEL OR ALUMINUM STIFFENER ANGLES. THE ANGLES SHALL BE ATTACHED BY GALVANIZED NUTS AND BOLTS FOR STEEL UNITS AND ALUMINUM NUTS AND BOLTS FOR ALUMINUM UNITS.

WHERE TWO OR MORE PIPES WITH APRON ENDWALLS ARE LAID ADJACENT TO EACH OTHER, THEY SHALL BE SEPARATED BY A DISTANCE SUFFICIENT TO PROVIDE A MINIMUM CLEARANCE OF 6 INCHES BETWEEN APRON ENDWALLS.

① FOR PIPE SIZES UP TO 60" DIAMETER, A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR CULVERT PIPE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

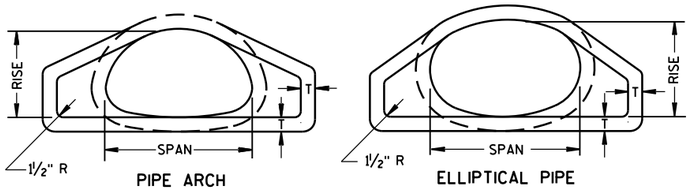
APPROVED
8-30-94
DATE
/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEV ER
FHWA

PRE_218

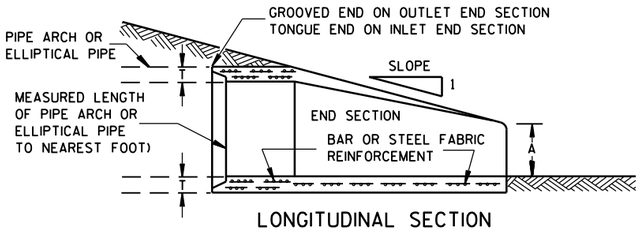
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S.D.D. 8 F 1-11

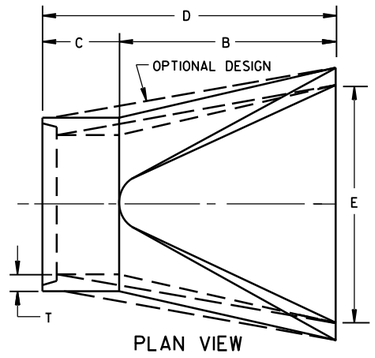
SDD 8f2 Apron Endwalls for Pipe Arch and Elliptical Pipe



END VIEW

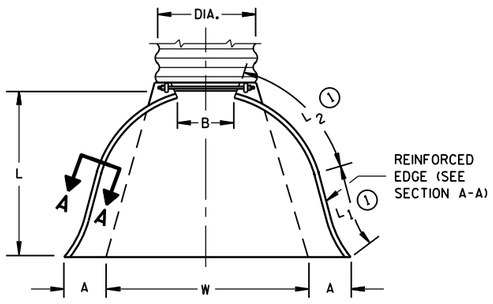


LONGITUDINAL SECTION

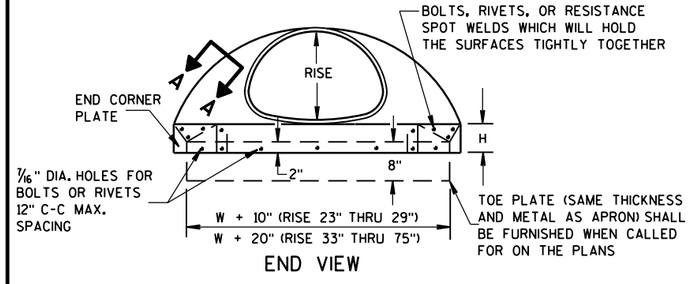


PLAN VIEW

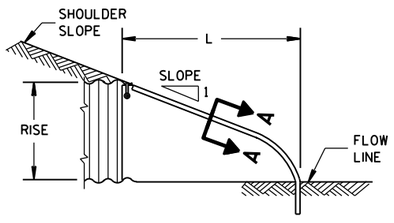
CONCRETE ENDWALLS



PLAN VIEW

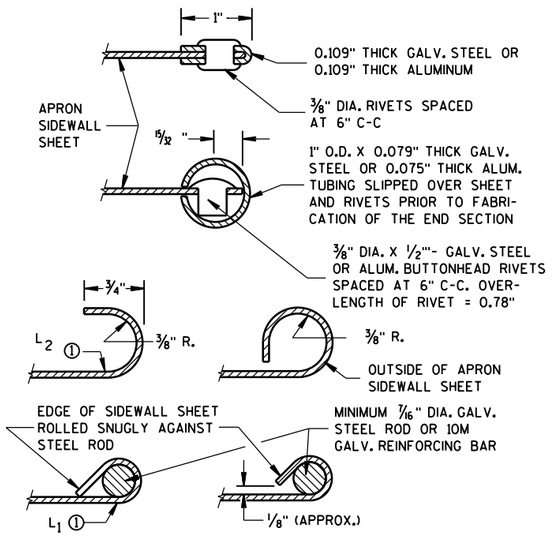


END VIEW



SIDE ELEVATION

METAL ENDWALLS



SECTION A-A

2- 2/3" X 1/2" CORRUGATIONS

EQUIV. DIA. (Inches)	(Inches) SPAN	(Inches) RISE	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
15	17	13	.064	.060	7	9	6	19	14	16	30	2½ to 1	1 Pc.
18	21	15	.064	.060	7	10	6	23	14	19 3/8	36	2½ to 1	1 Pc.
21	24	18	.064	.060	8	12	6	28	18	21¾	42	2½ to 1	1 Pc.
24	28	20	.064	.060	9	14	6	32	18	27½	48	2½ to 1	1 Pc.
30	35	24	.079	.075	10	16	6	39	18	37 5/8	60	2½ to 1	1 Pc.
36	42	29	.079	.075	12	18	8	46	24	45 3/8	75	2½ to 1	1 Pc.
42	49	33	.109	.105	13	21	9	53	24	54¾	85	2½ to 1	2 Pc.
48	57	38	.109	.105	18	26	12	63	24	68	90	2½ to 1	3 Pc.
54	64	43	.109	.105	18	30	12	70	24	72¾	102	2¼ to 1	3 Pc.
60	71	47	.109*	.105*	18	33	12	77	30	82¼	114	2¼ to 1	3 Pc.
66	77	52	.109*	.105*	18	36	12	77	—	—	126	2 to 1	3 Pc.
72	83	57	.109*	.105*	18	39	12	77	—	—	138	2 to 1	3 Pc.

3" X 1" CORRUGATIONS

EQUIV. DIA. (Inches)	(Inches) SPAN	(Inches) RISE	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
48	53	41	.109	.105	18	26	12	63	24	72¾	90	2½ to 1	2 Pc.
54	60	46	.109	.105	18	30	12	70	30	82¼	102	2 to 1	2 Pc.
60	66	51	.109*	.105*	18	33	12	77	—	—	114	1½ to 1	3 Pc.
66	73	55	.109*	.105*	18	36	12	77	—	—	126	1½ to 1	3 Pc.
72	81	59	.109*	.105*	18	39	12	77	—	—	138	2 to 1	3 Pc.
78	87	63	.109*	.105*	22	38	12	77	—	—	148	1½ to 1	3 Pc.
84	95	67	.109*	.105*	22	34	12	77	—	—	162	1½ to 1	3 Pc.
90	103	71	.109*	.105*	22	38	12	77	—	—	174	1½ to 1	3 Pc.
96	112	75	.109*	.105*	24	40	12	77	—	—	174	1½ to 1	3 Pc.

NOTE: ALL SPLICES TO BE LAP RIVETED OR BOLTED.

* EXCEPT CENTER PANEL SEE GENERAL NOTES

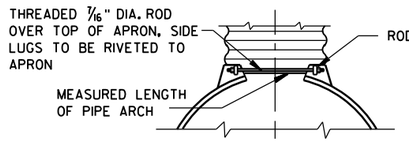
REINFORCED CONCRETE PIPE ARCH

EQUIV. DIA. (Inches)	DIMENSIONS (Inches) ** SPAN	** RISE	T	A	B	C	D	E	APPROX. SLOPE
24	29	18	3	8½	39	33	72	48	3 to 1
30	36	22	3½	9½	50	46	96	60	3 to 1
36	44	27	4	11⅛	60	36	96	72	3 to 1
42	51	31	4½	15 1/16	60	36	96	78	3 to 1
48	58	36	5	21	60	36	96	84	3 to 1
54	65	40	5½	25½	60	36	96	90	3 to 1
60	73	45	6	31	60	36	96	96	3 to 1
72	88	54	7	31	60	39	99	120	2 to 1
84	102	62	8	28½	83	19	102	144	2 to 1

REINFORCED CONCRETE ELLIPTICAL PIPE

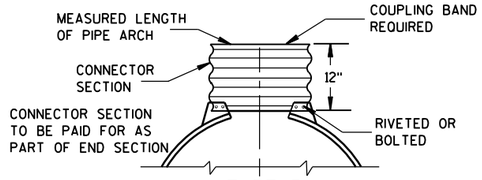
EQUIV. DIA. (Inches)	DIMENSIONS (Inches) ** SPAN	** RISE	T	A	B	C	D	E	APPROX. SLOPE
24	30	19	3¼	8½	39	33	72	48	3 to 1
30	38	24	3¾	9½	54	18	72	60	3 to 1
36	45	29	4½	11⅛	60	24	84	72	2½ to 1
42	53	34	5	15¾	60	36	96	78	2½ to 1
48	60	38	5½	21	60	36	96	84	2½ to 1
54	68	43	6	25½	60	36	96	90	2½ to 1
60	76	48	6½	30	60	36	96	96	2½ to 1

**NOMINAL SIZE



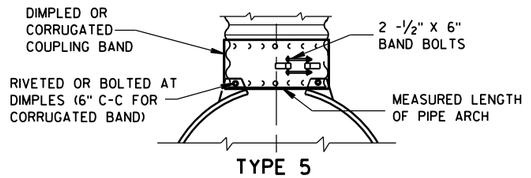
TYPE 2

FOR 17" X 13" THRU 112" X 75" PIPE ARCH



TYPE 3

FOR 64" X 43" THRU 112" X 75" PIPE ARCH



TYPE 5

ALTERNATE FOR:

ALL SIZES CORRUGATED PIPE ARCHES

NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL, AND CORRUGATED BAND FITS INSIDE ENDWALL.

CONNECTION DETAILS

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

CONCRETE APRON ENDWALLS MAY NOT BE USED WITH GALVANIZED STEEL OR ALUMINUM CULVERT PIPE OR VISE VERSA. GALVANIZED STEEL OR ALUMINUM APRON ENDWALLS SHALL NORMALLY BE INSTALLED ON CULVERT PIPE OF THE SAME METAL.

ALL THREE PIECE STEEL APRON ENDWALLS FOR 66" X 51" PIPE ARCH AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 66" X 51" PIPE ARCH AND LARGER SHALL HAVE 0.105" SIDES AND 0.134" CENTER PANELS. THE WIDTH OF CENTER PANELS SHALL BE GREATER THAN 20 PERCENT OF THE PIPE ARCH PERIMETER.

LAP SEAMS SHALL BE TIGHTLY JOINED BY GALVANIZED RIVETS OR BOLTS FOR STEEL UNITS AND ALUMINUM RIVETS AND BOLTS FOR ALUMINUM UNITS. FOR THE 77" X 52" THROUGH 112" X 75" APRON ENDWALL SIZES, THE REINFORCED EDGES AND CENTER PANEL SEAMS SHALL BE FURTHER REINFORCED WITH GALVANIZED STEEL OR ALUMINUM STIFFENER ANGLES. THE ANGLES SHALL BE ATTACHED BY GALVANIZED NUTS AND BOLTS FOR STEEL UNITS AND ALUMINUM NUTS AND BOLTS FOR ALUMINUM UNITS.

WHERE TWO OR MORE PIPES WITH APRON ENDWALLS ARE LAID ADJACENT TO EACH OTHER, THEY SHALL BE SEPARATED BY A DISTANCE SUFFICIENT TO PROVIDE A MINIMUM CLEARANCE OF 6 INCHES BETWEEN APRON ENDWALLS.

① FOR PIPE ARCH SIZES UP TO 73" X 55" A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR PIPE ARCH AND ELLIPTICAL PIPE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11-30-94 — DATE
/S/ Rory L. Rhinesmith — CHIEF ROADWAY DE[illegible]VEER
FHWA

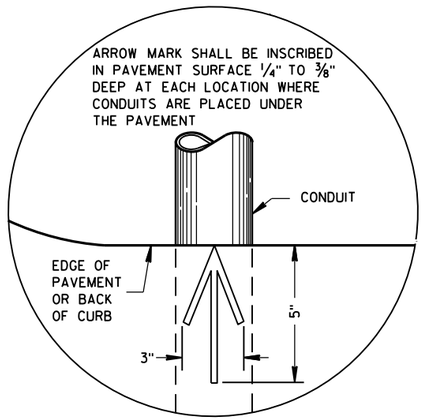
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S.D.D. 8 F 2-1

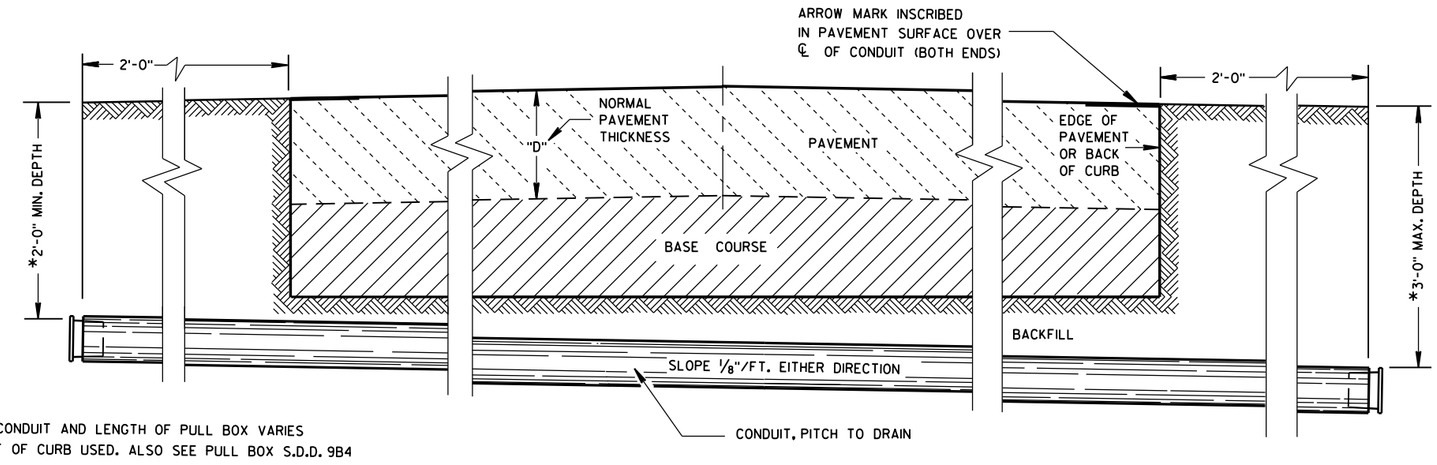
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S.D.D. 8 F 2-1



PLAN VIEW

ARROW MARK



*DEPTH OF CONDUIT AND LENGTH OF PULL BOX VARIES WITH HEIGHT OF CURB USED. ALSO SEE PULL BOX S.D.D. 9B4

SIDE ELEVATION

DETAIL FOR CONDUIT UNDER PAVED HIGHWAYS

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

METALLIC (STANDARD SPECIFICATION 652.2.2) OR NONMETALLIC (STANDARD SPECIFICATION 652.2.3) CONDUIT SHALL BE FURNISHED AND PLACED AS SHOWN.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

THE TRENCH SHALL NOT BE BACKFILLED PRIOR TO INSPECTION OF THE CONDUIT.

ALL METALLIC CONDUIT RACEWAY ENDS SHALL BE REAMED AND THREADED.

ALL METALLIC CONDUIT IN WHICH WIRE OR CABLE IS TO BE INSTALLED SHALL BE BUSHED WITH APPROVED THREADED BUSHINGS BEFORE INSTALLATION OF THE WIRE OR CABLE.

ALL METALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT TO BE INSTALLED SHALL BE CAPPED WITH THREADED PROTECTIVE CAPS, AS APPROVED BY THE ENGINEER.

ALL NONMETALLIC CONDUIT SHALL BE CAPPED OR PLUGGED IMMEDIATELY AFTER INSTALLATION AND SHALL REMAIN CAPPED OR PLUGGED UNTIL WIRE/CABLES ARE INSTALLED.

NONMETALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BENDING OF PVC ELECTRICAL CONDUIT SHALL BE ACCOMPLISHED BY USING A BLANKET OR EMERSION TYPE TANK DESIGNED FOR THE PURPOSE OF BENDING PVC ELECTRICAL CONDUIT.

ALL CUT ENDS SHALL BE TRIMMED INSIDE AND OUTSIDE TO REMOVE ALL ROUGH EDGES ON NONMETALLIC CONDUIT. (SEE NEC 347.5)

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY U.L. LISTED ADAPTER FITTINGS SHALL BE USED.

PRIOR TO CONDUIT ACCEPTANCE, CONDUIT CAPS OR PLUGS SHALL BE REMOVED, AND THE CAPS, PLUGS AND CONDUIT ENDS SHALL BE THOROUGHLY CLEANED AND THEN THE CAPS OR PLUGS REINSTALLED TO ENSURE THAT THE CAPS OR PLUGS CAN BE EASILY REMOVED IN THE FUTURE.

ALL CONDUIT BEING FURNISHED AND INSTALLED SHALL HAVE THE U.L. LABEL FIRMLY ATTACHED.

CONDUIT RUNS SHALL BE THE SAME SIZE OF CONDUIT FROM ONE END TO THE OTHER (FROM PULL BOX TO PULL BOX-OR-JUNCTION BOX TO JUNCTION BOX-OR-BASE TO BASE, ETC.).

TRACER WIRE SHALL BE INSTALLED AS STATED IN THE STANDARD SPECIFICATION, ITEM 652.3.1.1.

ALL CONDUIT RUNS SHALL BE STRAIGHT (WITHOUT BENDS) FROM PULL BOX TO PULL BOX, PULL BOX TO BASE AND BASE TO BASE AS SHOWN ON THE PLANS.

CONDUIT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March, 2017 — DATE
/S/ Ahmet Demirbilek — STATE ELECTI
FHWA

PRE_220

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S.D.D. 9 B 2-10

S.D.D. 9 B 2-10

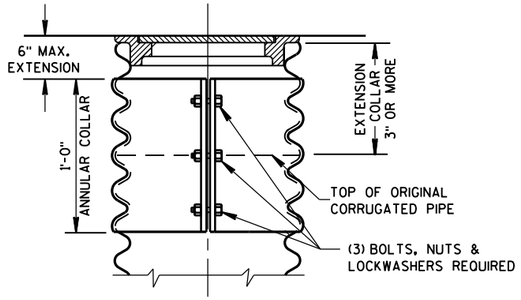
SDD 9b4 Pull Box

TABLE OF NOMINAL DIMENSIONS AND WEIGHTS

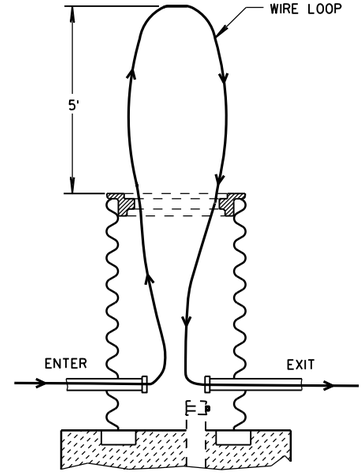
DIMENSION IN INCHES		CORRUGATED STEEL PIPE								
PIPE DIAMETER (INSIDE)	A	12	12	12	18	18	18	24	24	24
PIPE LENGTH **	B	24	30	36	24	30	36	36	42	48
WALL THICKNESS	C	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064
COVER	D	10 1/4	10 1/4	10 1/4	16 1/4	16 1/4	16 1/4	22 1/4	22 1/4	22 1/4
FRAME	E	14 1/2	14 1/2	14 1/2	20 1/2	20 1/2	20 1/2	26 1/2	26 1/2	26 1/2
FRAME	F	8 1/2	8 1/2	8 1/2	14 1/2	14 1/2	14 1/2	20 1/2	20 1/2	20 1/2
FRAME	G	11 1/2	11 1/2	11 1/2	17 1/2	17 1/2	17 1/2	23 1/2	23 1/2	23 1/2
WEIGHT IN POUNDS *										
FRAME AND COVER		60	60	60	110	110	110	155	155	155

* THE ACTUAL WEIGHT OF THE MANHOLE FRAME AND COVER MAY VARY WITHIN 5 PERCENT PLUS OR MINUS OF THE WEIGHTS SHOWN.

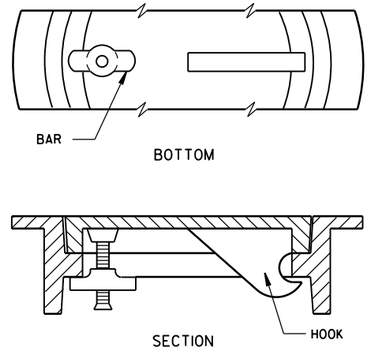
** NORMALLY USED LENGTHS. THE PROJECT ENGINEER SHALL DETERMINE IF PIPE LENGTHS, OTHER THAN THOSE SPECIFIED, SHALL BE USED, TO A MAXIMUM OF 48" (CONTINUOUS LENGTH, NON-SPLICED). THE ADDITIONAL LENGTH SHALL BE INCIDENTAL TO THE PULL BOX BID PRICE.



CORRUGATED PIPE EXTENDER

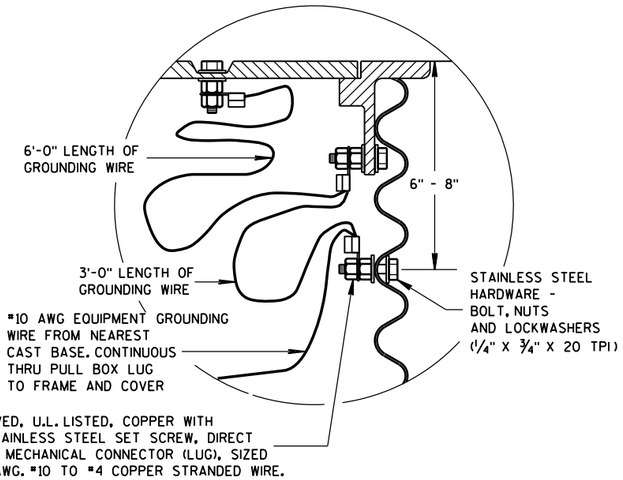


MEASUREMENT DETAIL FOR WIRE/CABLE IN THE PULL BOX



ALTERNATE COVER (LOCKING)

TIGHTENING BAR TYPE



EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

ALL FRAMES AND COVERS SHALL BE HEAVY DUTY TYPE, SUITABLE FOR VEHICULAR TRAFFIC LOADS.

PULL BOXES LOCATED IN THE ROADWAYS SHALL HAVE LOCKING COVERS.

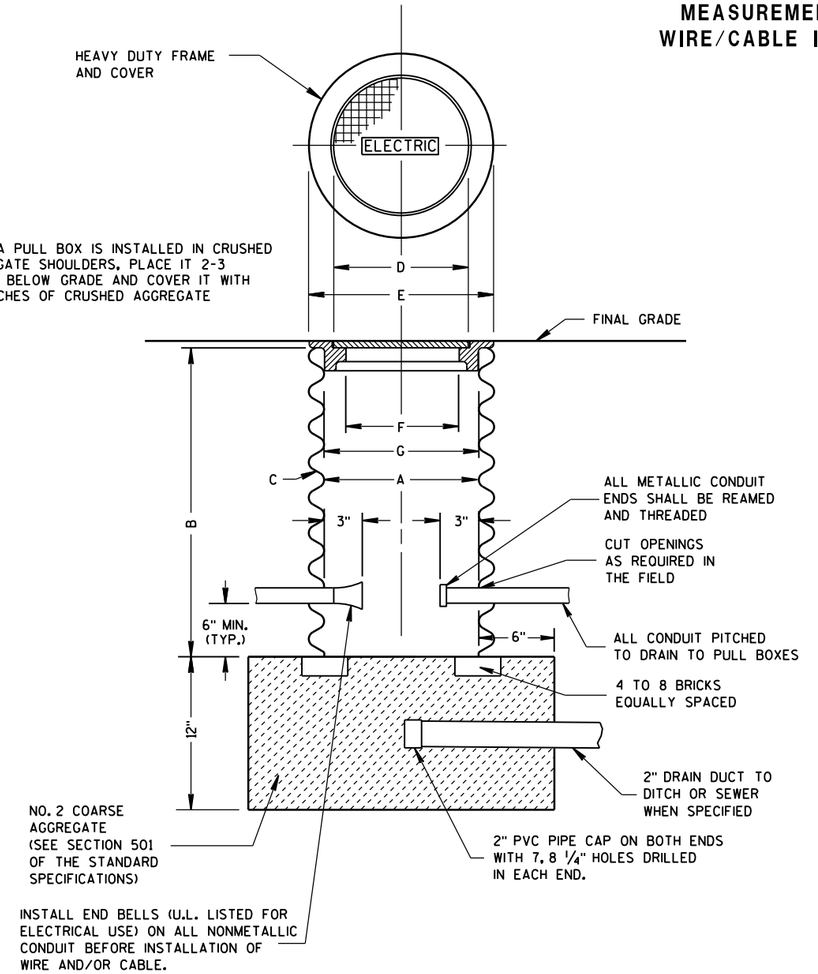
ENTRANCE HOLES INTO PULL BOXES SHALL BE CUT WITH A CIRCULAR HOLE SAW OR HYDRAULIC CONDUIT PUNCH. HOLE SIZE SHALL BE THE OUTSIDE DIAMETER OF THE CONDUIT THAT IS TO FIT IN THE OPENING PLUS NO MORE THAN 1/4".

THE CONTRACTOR SHALL NOT INSTALL WIRE IN ANY PULL BOX UNTIL ITS INSTALLATION HAS BEEN INSPECTED AND ACCEPTED BY THE ENGINEER.

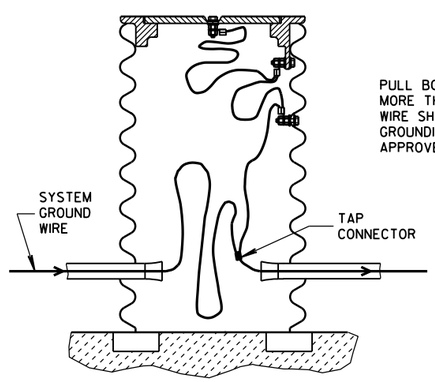
GROUNDING LUGS (MECHANICAL CONNECTORS) SHALL BE U.L. LISTED AND APPROVED FOR USE WITH COPPER WIRE.

ALL METALLIC CONDUIT IN WHICH WIRE AND/OR CABLE IS TO BE INSTALLED, SHALL BE BUSHED BEFORE INSTALLATION OF THE WIRE AND/OR CABLE.

WHEN PULL BOXES ARE INSTALLED FOR FUTURE USE, DO NOT INSTALL THE EQUIPMENT GROUNDING LUG. THE EQUIPMENT GROUNDING LUG, THE EQUIPMENT GROUNDING ELECTRODE AND THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE REQUIRED AND INSTALLED UNDER A FUTURE WIRING CONTRACT.



PULL BOX



PULL BOX TO NEAREST BASE DISTANCE MORE THAN 20 FEET. PULL BOX GROUND WIRE SHALL CONNECT AT SYSTEM GROUNDING WIRE. USE DEPARTMENT APPROVED TAP CONNECTOR.

EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES

PULL BOX

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTI
FHWA

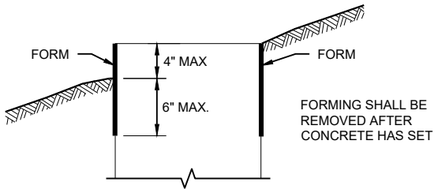
PRE_221

6

S.D.D. 9 B 4-11

SDD 9C2 Concrete Bases, Types 1, 2, 5 & 6

FORM DEPTH SHALL BE NO MORE THAN 6" BELOW GRADE ON THE LOWER SIDE OF BASE



FORMING DETAIL

QUANTITY REQUIREMENTS	CONCRETE BASE TYPE		
	1	2	5 & 6
APPROX. CUBIC YARDS OF CONCRETE	0.40	0.57	0.40
LBS. OF HOOP BAR STEEL	NONE	23	16
LBS. OF VERTICAL BAR STEEL	NONE	60	18

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWINGSHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

BASES SHALL BE EXCAVATED BY USE OF A CIRCULAR AUGER.

TOP SURFACES OF CONCRETE BASES SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

CONDUIT SIZES AND LOCATIONS SHALL BE SHOWN ON THE PLANS

THE FINAL OR TERMINATING CONCRETE BASE IN A CONDUIT RUN SHALL HAVE A 6" EXIT STUB INSTALLED FOR FUTURE CABLING USE. THE EXIT STUB SHALL BE SIZED AS USED THROUGHOUT THE CONDUIT RUN AS SHOWN A THE ENTRANCE OF THE BASE.

ENDS OF CONDUIT INSTALLED BELOW GRADE FRO FUTURE USE SHALL BE CAPPED IF METALLIC OR PLUGGED IF NON-METALLIC.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6X THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASES SHALL BE 1 INCH. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NON-METALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BELL BENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF CONCRETE BASES BEFORE INSTALLATION.

WHEN REQUIRED TO CONNECT NON-METALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE DIRT OR FILL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING AROUND THE BASE. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BARE CONCRETE BASE IN LAYERS OF 1 FOOT OR LESS.

A NO. 4 AWG STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD) FOR TYPE 2, TYPE 5 AND TYPE 6 BASES.

THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE FURNISHED AND INSTALLED TO ENTER ALL BASE TYPES THROUGH A 1 INCH CONDUIT INSTALLED FOR GROUNDING PURPOSES, LEAVING A 4 FOOT COIL OF WIRE ABOVE THE CONCRETE BASE. THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE NEATLY COILED AND THE COILS TIED TOGETHER.

ANCHOR RODS SHALL BE THREADED 12" IN LENGTH ON EACH END OF THE ROD. ANCHOR RODS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 654.2.1 OF THE STANDARD SPECIFICATIONS.

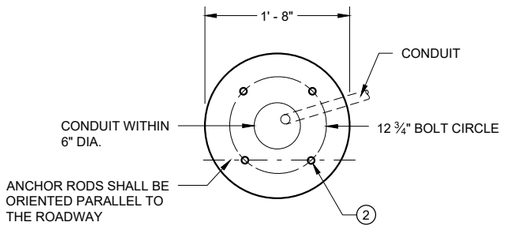
WASHERS AND LOCK WASHERS ARE REQUIRED ON ALL ANCHOR RODS.

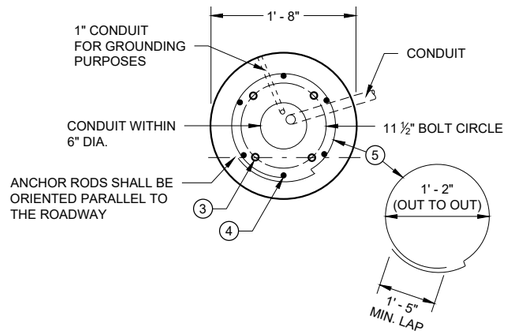
WHEN ANCHOR RODS USING THE ALTERNATE "L" BEND ARE FURNISHED, THE 4 INCH"L" BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH. THE "L" BEND SHALL NOT BE THREADED.

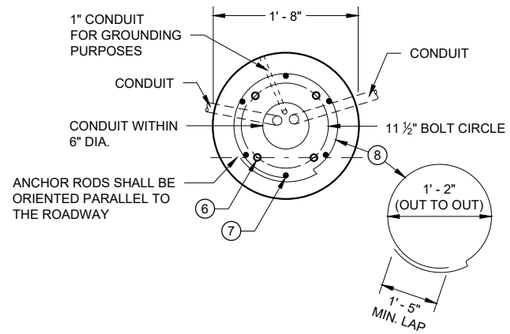
ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

WELDING OF THE ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TIE WIRES SHALL BE USED.

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS (LATEST EDITION).







1 THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18 INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36 INCHES EXCEPT WITH WRITTEN APPROVAL OF THE ENGINEER.

2 (4) 1" DIA. X 3' - 6" ANCHOR RODS.

3 (4) 1" DIA. X 5' - 0" ANCHOR RODS.

4 (6) NO. 6 X 6' - 8" BAR STEEL REINFORCEMENT.

5 (7) NO. 4 X 5' - 1" BAR STEEL REINFORCEMENT @ 1' - 0" C - C.

6 (4) 1" DIA. X 3' - 6" ANCHOR RODS.

7 (6) NO. 4 X 4' - 8" BAR STEEL REINFORCEMENT.

8 (5) NO. 4 X 5' - 1" BAR STELL REINFORCEMENT @ 1' - 0" C -C.

9 EXOTHERMIC CONNECTION TO EUIPMENT GROUNDING CONDUCTOR

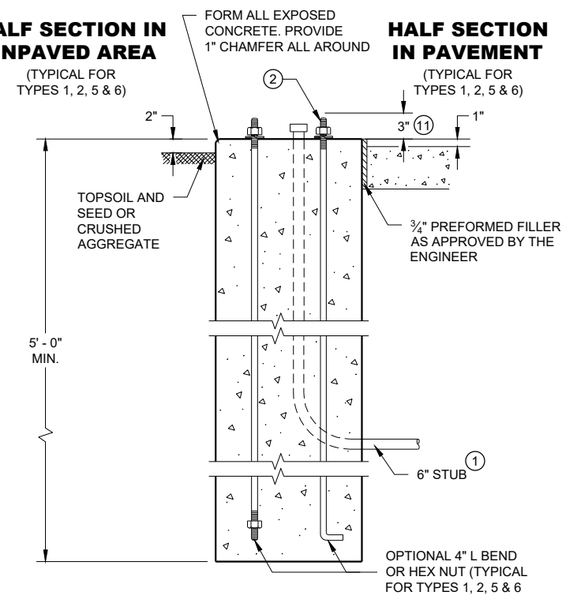
10 ⅝" DIA. X 8' -0" COPPERCLAD EQUIPMENT GROUNDING ELECTRODE REQUIRED

11 ANY ANCHOR ROD PROJECTION SHORTER THAN 2 ¾" OR LONGER THAN 3 ¼" SHALL REQUIRE THE BASE TO BE REMOVED AND REPLACED AT THE CONTRACTORS EXPENSE.

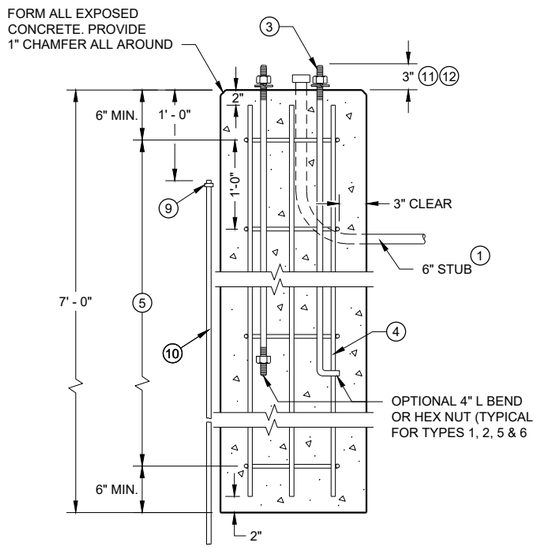
12 FOR NON - BREAKAWAY INSTALLATIONS, 4 ½" ± ANCHOR ROD PROJECTION WITH THE USE OF LEVELING NUTS. RODENT SCREEN REQUIRED.

HALF SECTION IN UNPAVED AREA
(TYPICAL FOR TYPES 1, 2, 5 & 6)

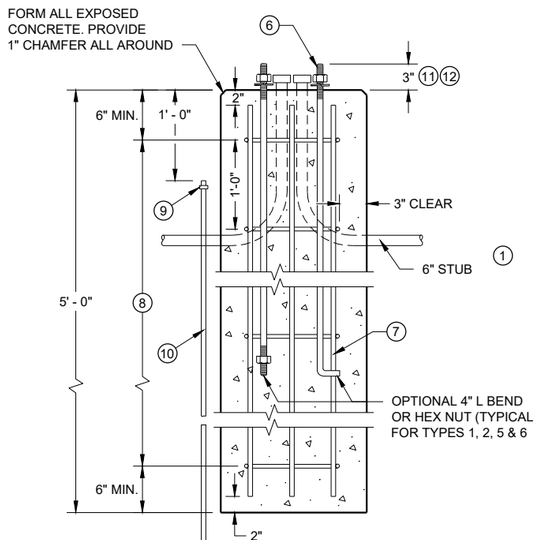
HALF SECTION IN PAVEMENT
(TYPICAL FOR TYPES 1, 2, 5 & 6)



TYPE 1



TYPE 2



TYPE 5 & 6

CONCRETE BASES

CONCRETE BASES TYPES 1, 2, 5, & 6

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL

FHWA

PRE_222

SDD 09C02 - 09

SDD 09C02 - 09

6

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

FOUR (4) BOLTS SHALL BE FURNISHED WITH EACH TRANSFORMER BASE. BOLTS SHALL BE 1" DIAMETER, 4" IN LENGTH, WITH WASHERS, LOCK WASHERS AND NUTS. BOLTS, NUTS AND WASHERS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 641.2.2 OF THE STANDARD SPECIFICATIONS.

LEVELING SHIMS, IF NEEDED, SHALL BE DESIGNED FOR THE PURPOSE AND USED UNDER CAST BASES WHEN PLUMBING POLES OR STANDARDS DURING INSTALLATION. THE USE OF WASHERS IN LIEU OF PROPER LEVELING SHIMS IS NOT ACCEPTABLE.

SHIM LENGTH SHALL BE LONG ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.

DOUBLE NUTTING IS NOT ACCEPTABLE FOR LEVELING OR MOUNTING PURPOSES.

A NEMA APPROVED, U.L. LISTED, COPPER WITH BRASS OR STAINLESS STEEL SET SCREW, DIRECT BURY RATED, MECHANICAL CONNECTOR (LUG), SIZED TO ACCEPT AWG. #10 TO #4 COPPER STRANDED WIRE SHALL BE FURNISHED AND INSTALLED IN THE PEDESTAL AND TRANSFORMER BASES.

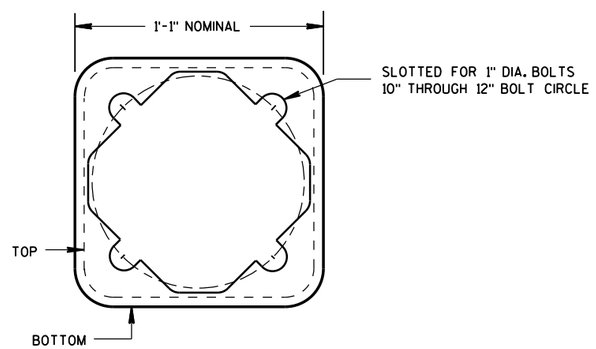
THE MECHANICAL CONNECTOR SHALL BE INSTALLED USING A 1/4" - 20 (TPI) STAINLESS STEEL HEX HEAD BOLT OF SUFFICIENT LENGTH TO FIRMLY ATTACH THE LUG TO THE BASE.

SHOULD THE MANNER OF ATTACHMENT OF THE LUG REQUIRE WASHERS, HEX NUTS, LOCK WASHER - THEY SHALL BE STAINLESS STEEL AS IS THE BOLT. THE MANNER OF ATTACHMENT SHALL NOT BLOCK ACCESSIBILITY TO WIRE PLACEMENT IN THE CONNECTOR.

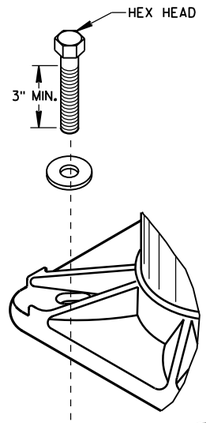
PEDESTAL BASE COLLAR THREADING SHALL BE TAPERED AND IN ACCORDANCE WITH NATIONAL PIPE THREADING DIMENSIONS.

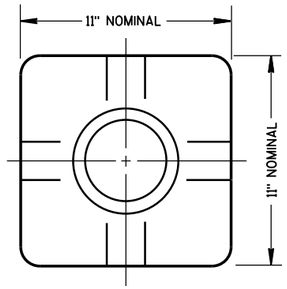
BASE COLLAR THREADING SHALL EXTEND INTO THE BASE COLLAR WITH SUFFICIENT DEPTH TO ACCEPT THE INSTALLATION OF TRAFFIC SIGNAL STANDARDS TO A DEPTH OF 1 1/2", THEN TIGHTENING TO A POINT OF BEING IMMOVABLE.

THE ACCESS DOOR SHALL BE OF THE SAME MATERIAL AS THE BASE.

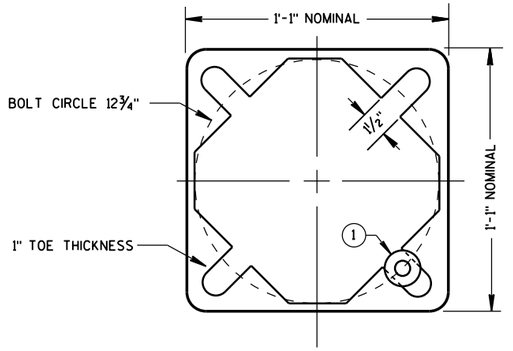


BOTTOM VIEW
(TRANSFORMER BASE)

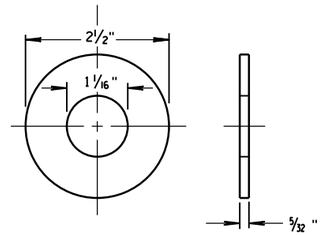




TOP VIEW
(PEDESTAL BASE)

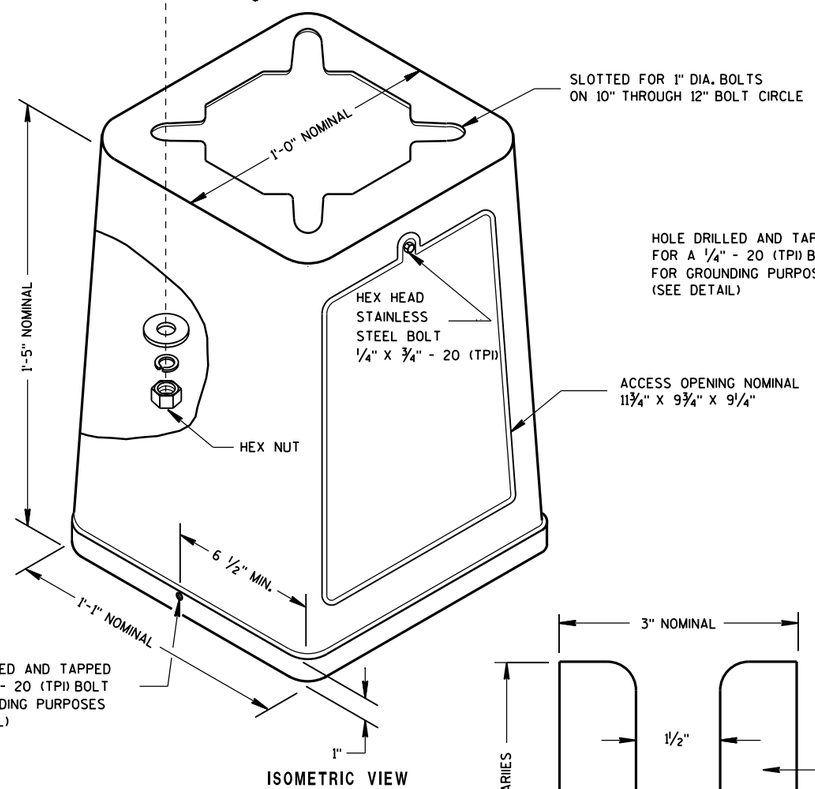


BOTTOM VIEW
(PEDESTAL BASE)

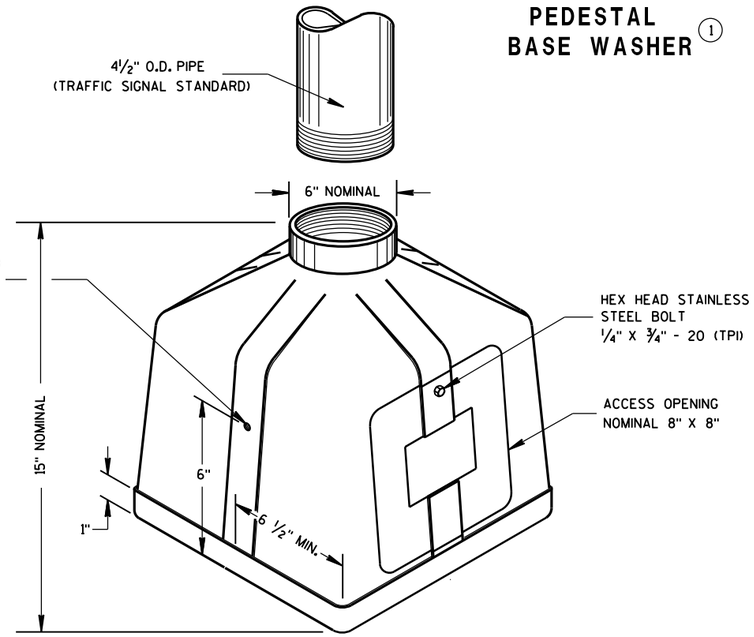


ZINC COATED STEEL WASHER
TO BE PROVIDED BY THE CONTRACTOR

PEDESTAL BASE WASHER (1)

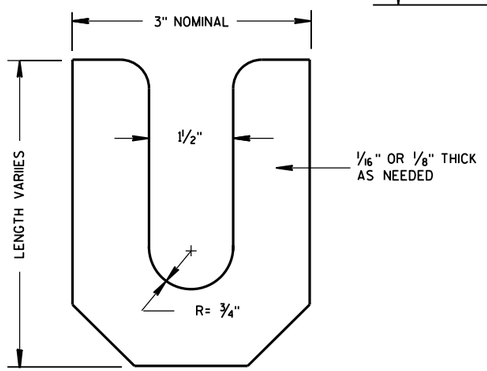


ISOMETRIC VIEW

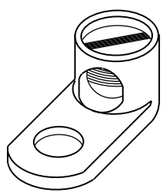


ISOMETRIC VIEW

PEDESTAL BASE



LEVELING SHIM



TYPICAL MECHANICAL CONNECTOR LUG

TO BE FURNISHED WITH EACH BASE

TRANSFORMER BASE

INTENDED FOR USE WITH TYPE 2, 3, 4, 5 & 6 POLES

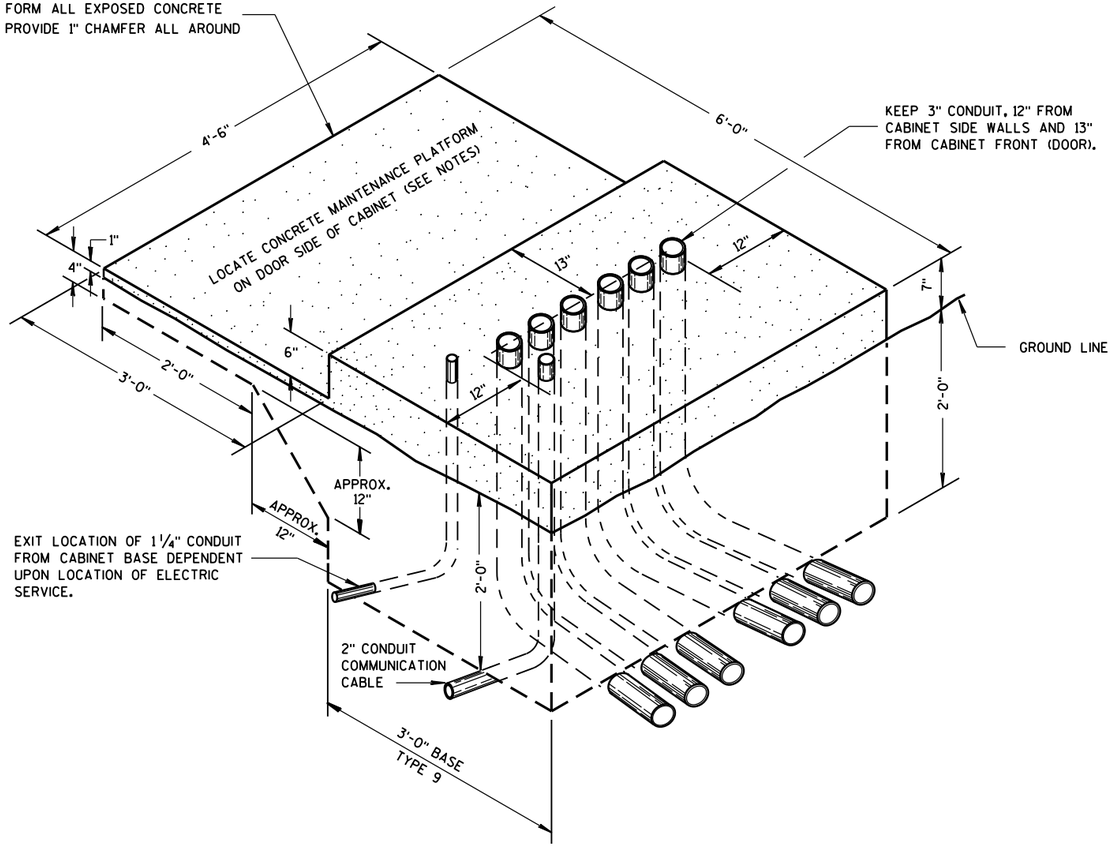
TRANSFORMER/PEDESTAL BASES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTI
FHWA

PRE_223

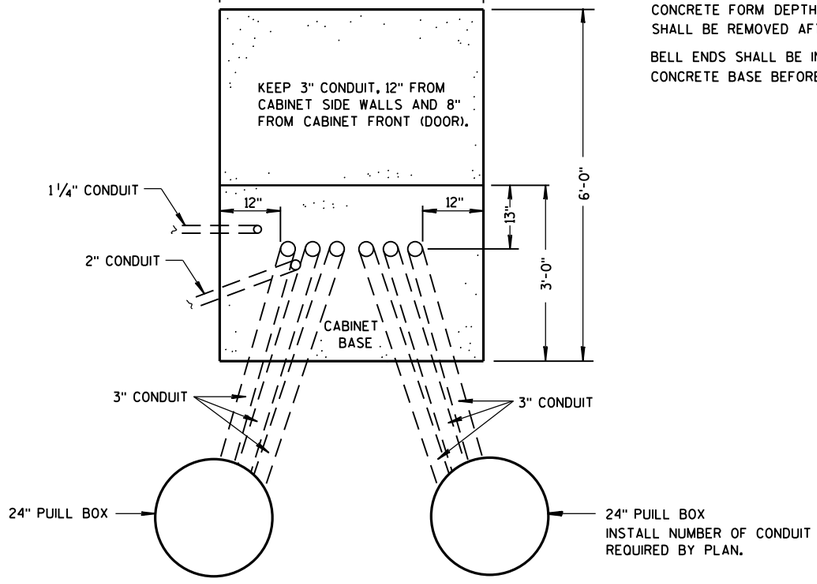
SDD 9c6 Concrete Control Cabinet Base, Type 9, Special



ISOMETRIC VIEW

TYPE 9, SPECIAL

(C.Y. CONCRETE = APPROX. 1.56)



PLAN VIEW

CONCRETE CONTROL CABINET BASE, TYPE 9, SPECIAL

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

INSTALL FOUR ½ INCH MINIMUM DIAMETER X 4 INCH MINIMUM LENGTH STAINLESS STEEL APPROVED CONCRETE MASONRY ANCHORS WITH A PULLOUT STRENGTH OF 9,000 LBS. TO ANCHOR THE CABINET TO TYPE 6, 7, 8, AND 9 BASES. THE ANCHOR STUDS SHALL BE LOCATED AS DIRECTED BY THE ENGINEER TO PROPERLY ANCHOR THE CONTROL CABINET TO THE BASE.

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

CONDUIT HEIGHT ABOVE THE CONCRETE BASE SHALL BE 1 INCH.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

CONTROL CABINET BASE TOP SURFACE SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

MAINTENANCE PLATFORM SHALL BE FLOAT OR BROOM FINISHED AND BE LEVEL.

MAINTENANCE PLATFORMS ARE NOT REQUIRED WHEN THE SURROUNDING AREA IS PAVED.

MINIMUM BENDING RADIUS OF CONDUIT = 6 X THE DIAMETER.

ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

CAP ALL BELOW GRADE METALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

PLUG ALL BELOW GRADE NONMETALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

CONDUIT EXITING THE CONCRETE BASE (SIX THREE INCH) SHALL TERMINATE IN PULL BOXES AS SHOWN ON THE PLANS.

CONCRETE FORM DEPTH BELOW FINISHED GRADE SHALL BE 6" MAXIMUM. CONCRETE FORMS SHALL BE REMOVED AFTER CONCRETE HAS SET.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF THE CONCRETE BASE BEFORE INSTALLATION OF CABLE OR WIRE.

CONCRETE CONTROL CABINET BASE, TYPE 9, SPECIAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTI
FHWA

PRE_224

SDD 9c11 Concrete Base Type 10

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

BASES SHALL BE EXCAVATED BY USE OF A CIRCULAR AUGER.

TOP SURFACES OF CONCRETE BASES SHALL BE TROWEL FINISHED AND LEVEL.

CONDUIT SIZES AND LOCATIONS SHALL BE AS SHOWN ON THE PLANS.

THE FINAL OR TERMINATING CONCRETE BASE IN A CONDUIT RUN SHALL HAVE A 6" EXIT STUB INSTALLED FOR FUTURE CABLING USE. THE EXIT STUB SHALL BE SIZED AS USED THROUGHOUT THE CONDUIT RUN AS SHOWN AT THE ENTRANCE OF THE BASE.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6 X THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASES SHALL BE 4 INCHES. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED. NONMETALLIC CONDUIT SHALL HAVE BELL END INSTALLED. ALL CONDUIT SHALL BE SLOPED TO PULL BOX.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUIT IN WHICH WIRE OR CABLE IS NOT INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF CONCRETE BASES BEFORE INSTALLATION OF CABLE OR WIRE.

ENDS OF CONDUIT INSTALLED BELOW GRADE FOR FUTURE USE SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC.

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE DIRT OR FILL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING AROUND THE BASE. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BARE CONCRETE BASE IN LAYERS OF 1 FOOT OR LESS.

A NO. 4 AWG, STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD).

THE EQUIPMENT GROUNDING CONDUCTOR SHALL ENTER THE BASE THROUGH A 1 INCH CONDUIT INSTALLED FOR GROUNDING PURPOSES, LEAVING A 4 FOOT COIL OF WIRE ABOVE THE CONCRETE BASE. THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE NEATLY COILED AND THE COILS TIED TOGETHER.

WELDING OF THE ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TEMPLATES SHALL BE USED.

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS (LATEST EDITION).

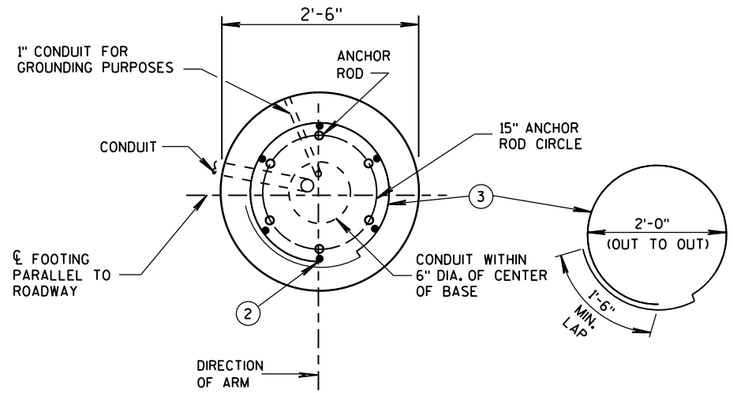
ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

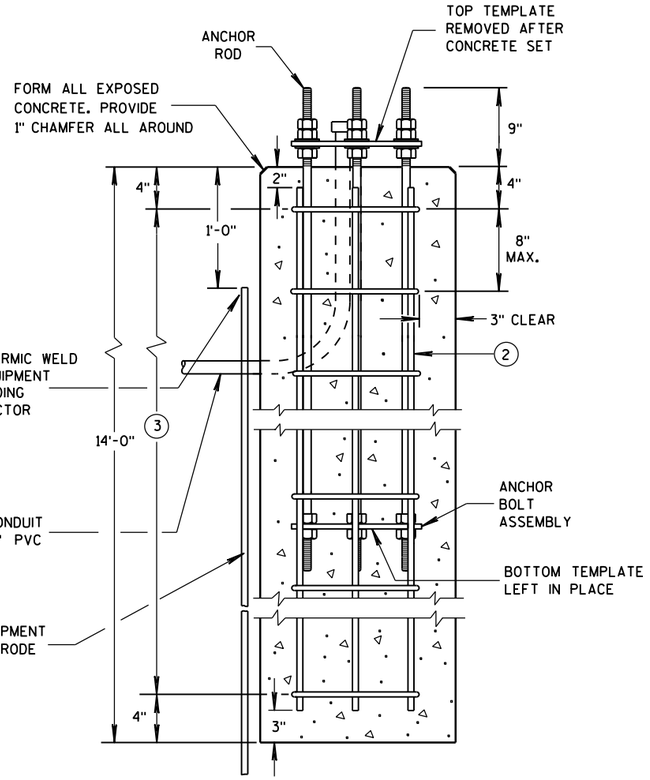
(1) THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18 INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36 INCHES, (GREATER THAN 36 INCHES IF INSTALLED IN BREAKER-RUN), EXCEPT WITH WRITTEN APPROVAL BY THE ENGINEER.

(2) (6) NO. 6 X 13'-7" BAR STEEL REINFORCEMENT.

(3) (21) NO. 5 X 7'-10" BAR STEEL REINFORCEMENT @ 8" MAX. C-C.

CONCRETE MASONRY	fc=3,500 p.s.i.
HIGH STRENGTH BAR STEEL REINFORCEMENT, GRADE 60	fy=60,000 p.s.i.
ANCHOR RODS, ASTM F1554 GRADE 55 (IN ACCORDANCE WITH SECTION 641.2.2.3 OF THE STANDARD SPECIFICATION)	fy=55,000 p.s.i.
TEMPLATES, ASTM, A709 GRADE 36	fy=36,000 p.s.i.

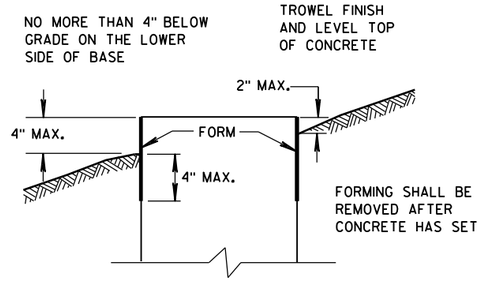




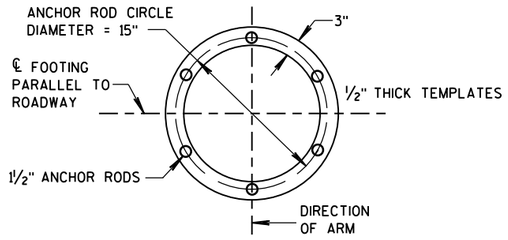
CONCRETE BASE TYPE 10

(FOR TYPE 9 & 10 & OVER HEIGHT (OH) POLES)

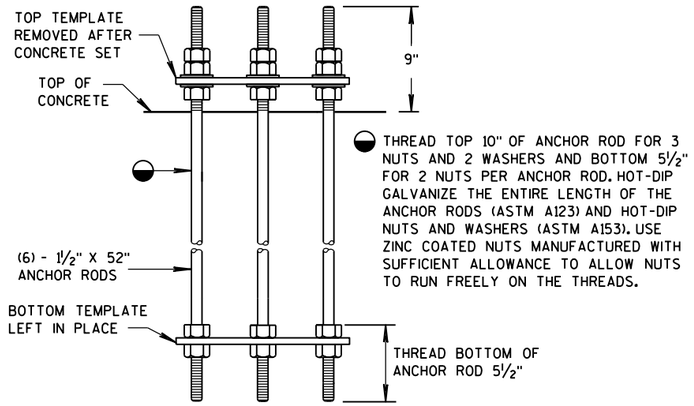
TO BE USED WHEN GROUND ELEVATION AT BASE EQUALS OR IS GREATER THAN HIGH POINT OF ROADWAY ELEVATION. SEE S.D.D. 9C13-2 WHEN GROUND ELEVATION AT BASE IS LOWER THAN HIGH POINT OF ROADWAY ELEVATION.



FORMING DETAIL



TOP AND BOTTOM TEMPLATES



ANCHOR BOLT ASSEMBLY DETAIL

CONCRETE BASE TYPE 10 ANCHOR ASSEMBLY

QUANTITY REQUIREMENTS	
APPROX. CUBIC YARDS OF CONCRETE	2.5
LBS. OF HOOP BAR STEEL	172
LBS. OF VERTICAL BAR STEEL	122

CONCRETE BASE TYPE 10

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

May 2017 — DATE

/S/ Ahmet Demirbilek — STATE ELECTI

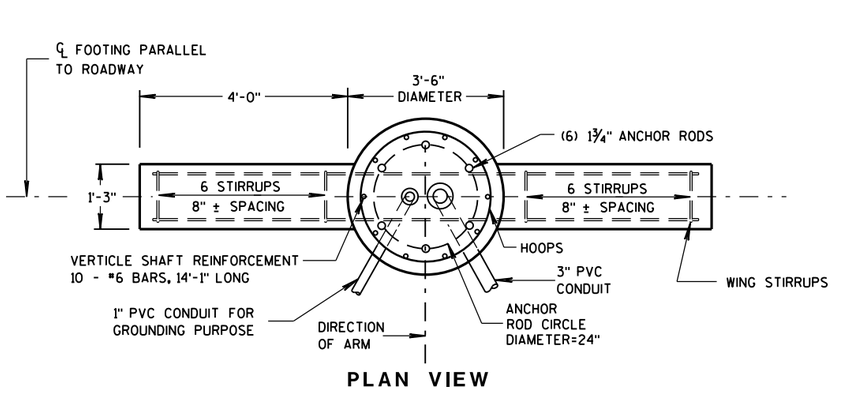
FHWA

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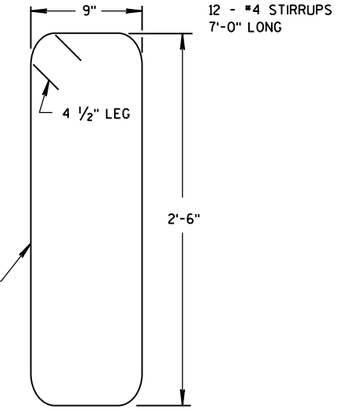
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S.D.D. 9 C 11-10

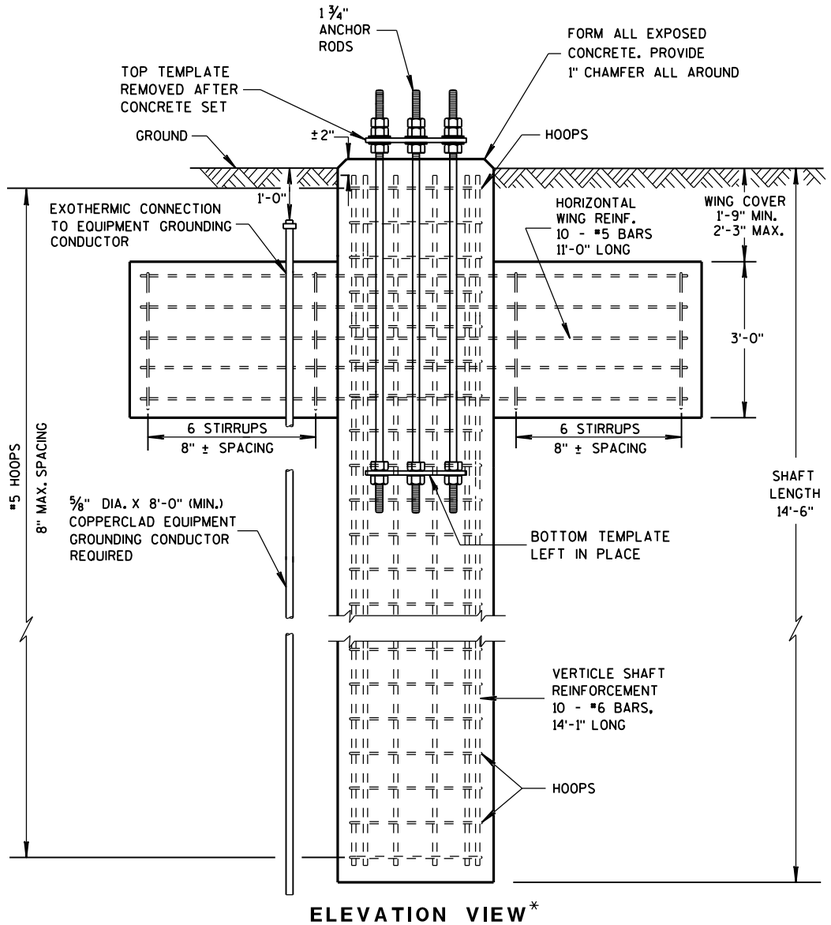
SDD 9c12-a Concrete Base Type 13



PLAN VIEW

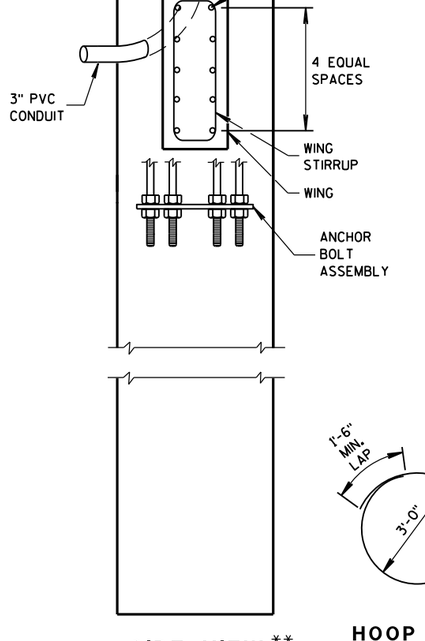


WING STIRRUP



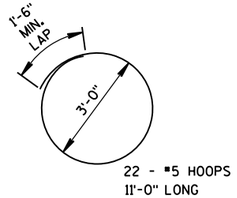
ELEVATION VIEW*

* CONDUITS ARE NOT SHOWN ON THIS VIEW FOR CLARITY



SIDE VIEW**

** HOOPS AND VERTICAL SHAFT REINFORCEMENT NOT SHOWN ON THIS VIEW FOR CLARITY



HOOP DETAIL

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

ORIENT ANCHOR RODS IN FOOTING AND PROVIDE ANCHOR ROD PROJECTION ABOVE TOP OF CONCRETE FOOTING BASE PER THIS SHEET.

BENDING DIMENSIONS FOR REINFORCING BARS ARE OUT TO OUT.

USE 3" CLEAR FOR ALL REINFORCEMENT UNLESS NOTED OTHERWISE.

THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO THE TYPE AND LOCATION OF THE UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO.

WELDING OF ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TEMPLATES SHALL BE USED.

BASES (SHAFT), BELOW THE WING, SHALL BE EXCAVATED BY THE USE OF A CIRCULAR AUGER. IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE SOIL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING AROUNG THE BASE. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BARE CONCRETE BASE IN LAYERS OF 1 FOOT OR LESS.

TOP SURFACE OF THE CONCRETE BASE SHALL BE TROWEL FINISHED AND LEVEL.

CONDUIT SIZE AND LOCATIONS SHALL BE AS SHOWN ON THE PLANS.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6 X THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASE SHALL BE 4½" INCHES. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED. NONMETALLIC CONDUIT SHALL HAVE BELL ENDS INSTALLED. ALL CONDUIT SHALL SLOPE TO PULL BOX.

ALL CONDUIT ENDS AT THE TOP OF THE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF CONCRETE BASES BEFORE INSTALLATION OF CABLE OR WIRE.

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTOR FITTINGS, UL LISTED FOR ELECTRICAL USE, SHALL BE USED.

A NO. 4 AWG, STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD).

THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE FURNISHED AND INSTALLED TO ENTER THE BASE THROUGH A 1-INCH CONDUIT INSTALLED FOR GROUNDING PURPOSES, LEAVING A 4-FOOT COIL OF WIRE ABOVE THE CONCRETE BASE, THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE NEATLY COILED AND THE COILS TIED TOGETHER.

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS.

THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVEL WAY SHALL BE 24-INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18-INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36-INCHES, (GREATER THAN 36-INCHES IF INSTALLED IN BREAKER-RUN), EXCEPT WITH THE WRITTEN APPROVAL OF THE ENGINEER.

ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

CONCRETE MASONRY	fc=3,500 p.s.i.
HIGH STRENGTH BAR STEEL REINFORCEMENT, GRADE 60	fy=60,000 p.s.i.
ANCHOR RODS, ASTM F1554 GRADE 55 (IN ACCORDANCE WITH SECTION 641.2.2.3 OF THE STANDARD SPECIFICATIONS	fy=55,000 p.s.i.
TEMPLATES, ASTM A709 GRADE 36	fy=36,000 p.s.i.

(FOR TYPE 12 & 13 & OVER HEIGHT (OH) POLES)

CONCRETE = 6.3 C.Y.
H.S. REINFORCEMENT = 635 LBS.

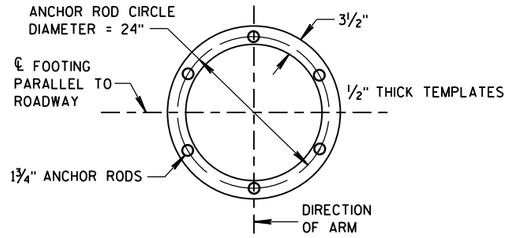
TO BE USED WHEN GROUND ELEVATION AT BASE EQUALS OR IS GREATER THAN HIGH POINT OF ROADWAY ELEVATION.
SEE S.D.D. 9C13-2 WHEN GROUND ELEVATION AT BASE IS LOWER THAN HIGH POINT OF ROADWAY ELEVATION.

CONCRETE BASE TYPE 13

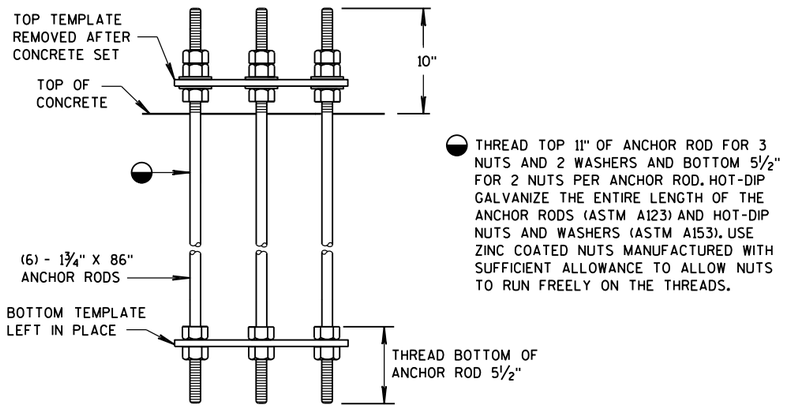
STATE OF WISCONSIN
DEPARTMENT OF TRAN

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S.D.D. 9 C 12-9a

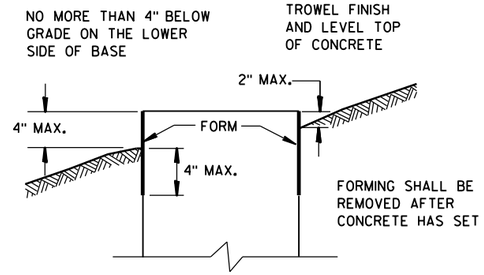


TOP AND BOTTOM TEMPLATES



ANCHOR BOLT ASSEMBLY DETAIL

CONCRETE BASE TYPE 13 ANCHOR ASSEMBLY

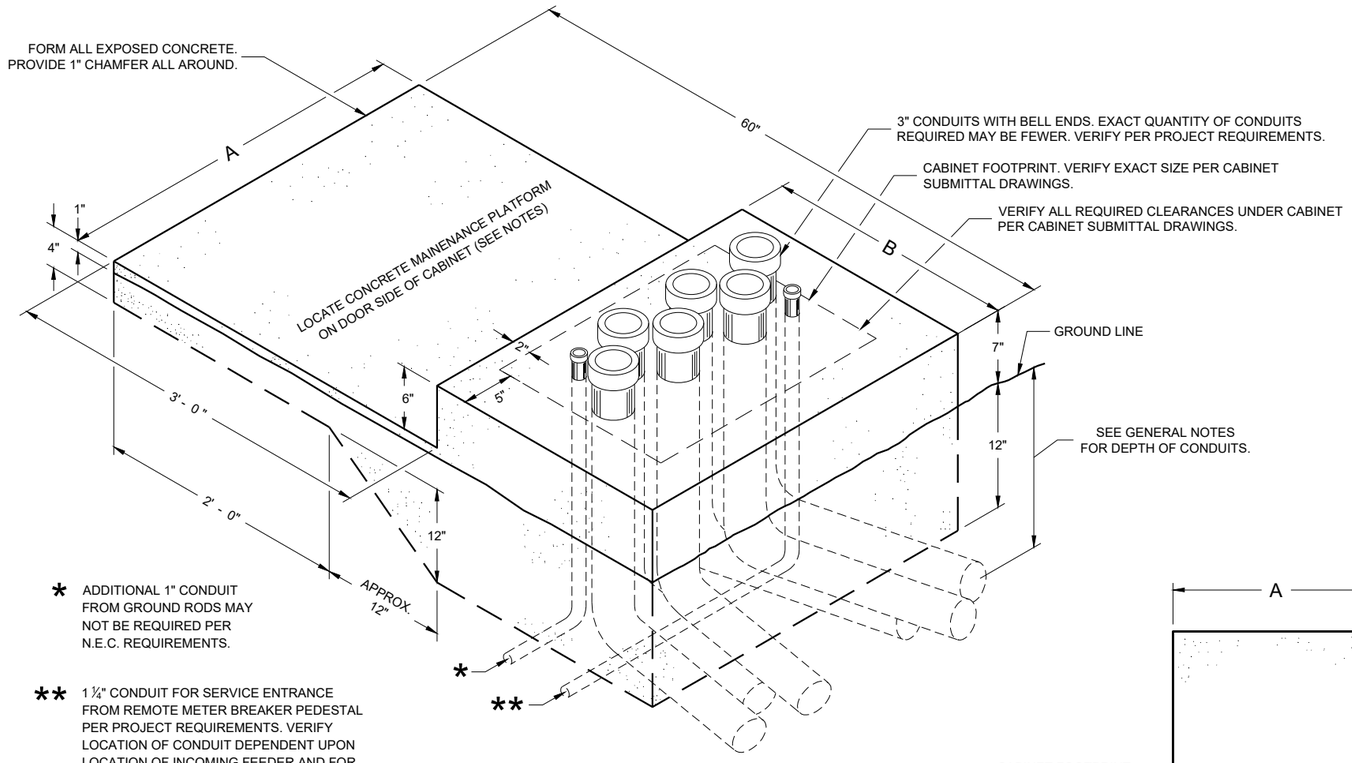


FORMING DETAIL

CONCRETE BASE TYPE 13	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED May 2017 DATE FHWA	/S/ Ahmet Demirbilek STATE ELECTI

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S.D.D. 9 C 12-9b

SDD 09C14 Concrete Control Base, Type-L

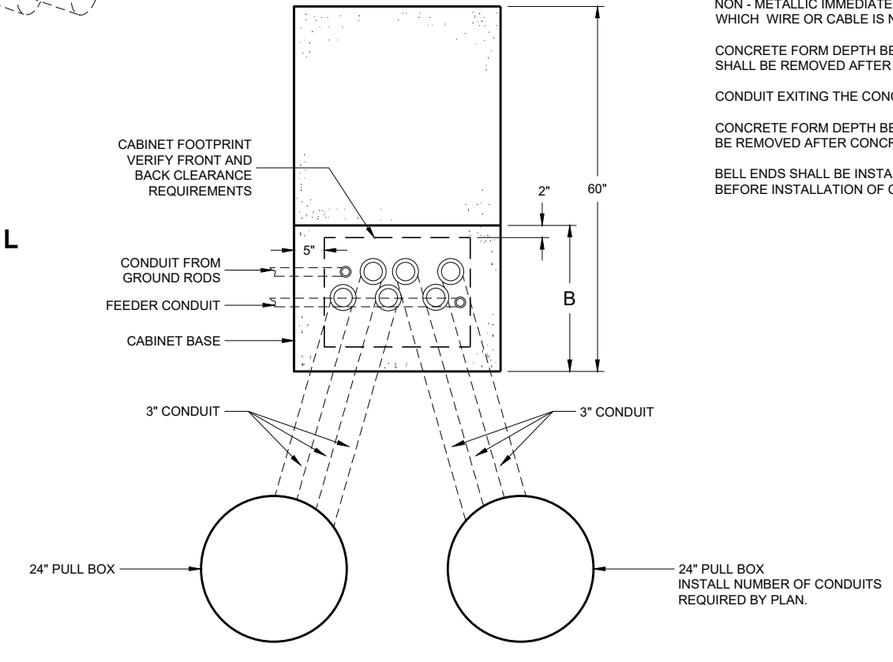


* ADDITIONAL 1" CONDUIT FROM GROUND RODS MAY NOT BE REQUIRED PER N.E.C. REQUIREMENTS.

** 1 ¼" CONDUIT FOR SERVICE ENTRANCE FROM REMOTE METER BREAKER PEDESTAL PER PROJECT REQUIREMENTS. VERIFY LOCATION OF CONDUIT DEPENDENT UPON LOCATION OF INCOMING FEEDER AND FOR EASE OF CONNECTION TO LOAD CENTER.

ISOMETRIC VIEW
CONCRETE CONTROL CABINET BASE, TYPE L
(C.Y. CONCRETE = APPROX. 0.4)

CONCRETE BASE TYPE	CABINET WIDTH	DIMENSIONS		MAXIMUM 3" CONDUITS
		A	B	
L24	24"	34"	24"	4
L30	30"	40"	24"	6



PLAN VIEW
CONCRETE CONTROL CABINET BASE, TYPE L

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

INSTALL FOUR STAINLESS STEEL APPROVED CONCRETE MASONRY ANCHORS TO ANCHOR THE CABINET BASES. THE ANCHORS SHALL BE LOCATED AS DIRECTED BY THE ENGINEER TO PROPERLY ANCHOR THE CONTROL CABINET TO THE BASE.

WHEN REQUIRED TO CONNECT NON - METALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U. L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

CONDUIT HEIGHT ABOVE THE CONCRETE BASE SHALL BE 1 INCH.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

LOCATIONS SHALL BE AS SHOWN ON THE PLANS UNLESS DETERMINED BY THE ENGINEER IN THE FIELD.

CONTROL CABINET BASE TOP SURFACE SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

MAINTENANCE PLATFORM SHALL BE FLOAT OR BROOM FINISHED AND LEVEL.

MAINTENANCE PLATFORMS ARE NOT REQUIRED WHEN THE SURROUNDING AREA IS PAVED.

MINIMUM BENDING RADIUS OF CONDUIT EQUALS 6 TIMES THE DIAMETER.

ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

CAP ALL BELOW GRADE METALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

PLUG ALL BELOW GRADE NON - METALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NON - METALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

CONCRETE FORM DEPTH BELOW FINISHED GRADE SHALL BE 6 INCHES MAXIMUM. CONCRETE FORMS SHALL BE REMOVED AFTER CONCRETE HAS SET.

CONDUIT EXITING THE CONCRETE BASE SHALL TERMINATE IN PULL BOXES AS SHOWN ON THE PLANS.

CONCRETE FORM DEPTH BELOW FINISHED GRADE SHALL BE 6 INCH MAXIMUM. CONCRETE FORMS SHALL BE REMOVED AFTER CONCRETE HAS SET.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF THE CONCRETE BASE BEFORE INSTALLATION OF CABLE OR WIRE.

CONCRETE CONTROL CABINET BASE, TYPE L

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

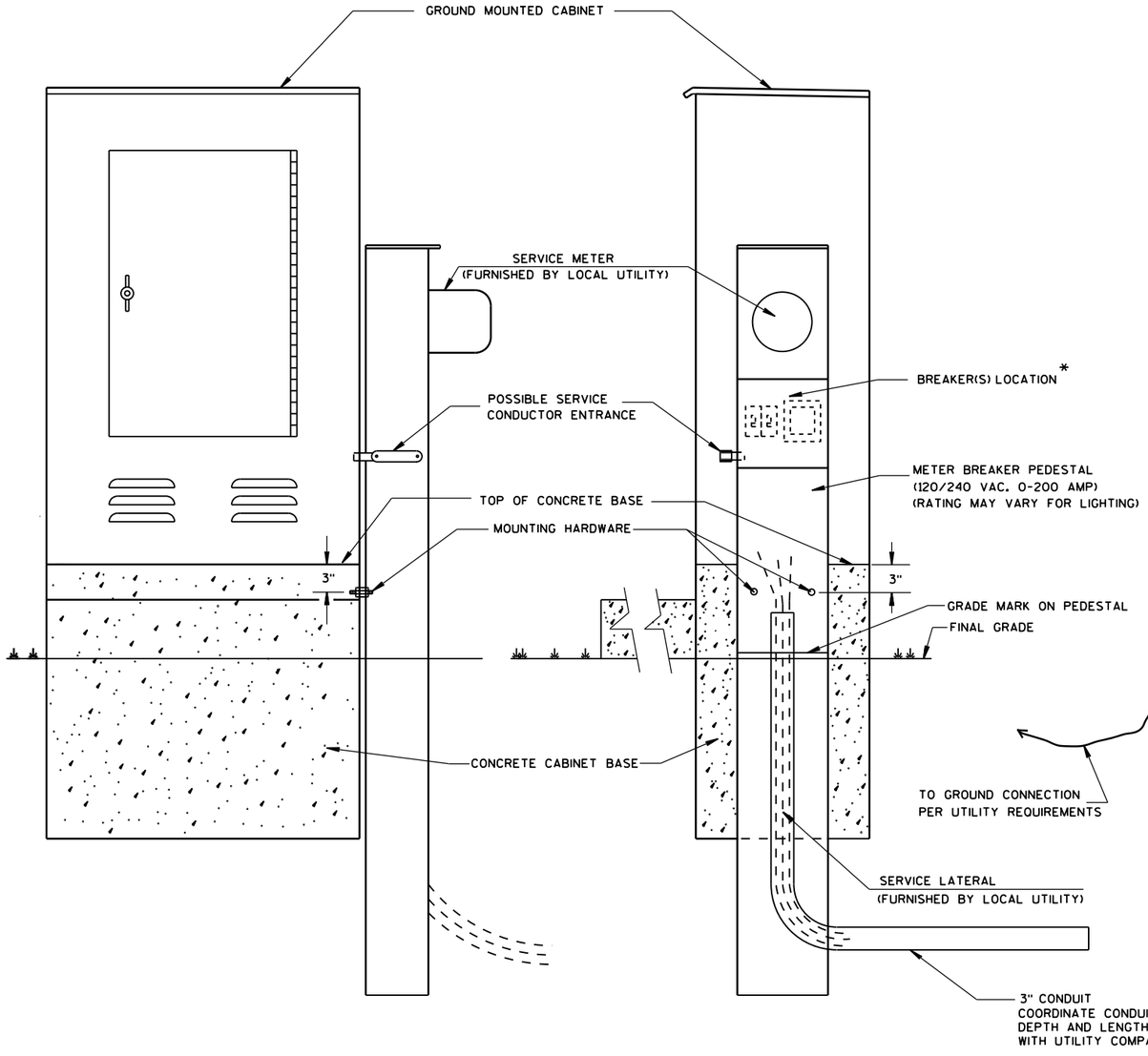
APPROVED
November 2018
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL PRE_228

FHWA

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SDD 09C14 - 03

SDD 9d1 Cabinet Service Installation (Meter Breaker Pedestal)



TYPICAL CABINET SERVICE INSTALLATION

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

THE EXACT LOCATION OF THE METER BREAKER PEDESTAL SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

THE TYPE OF CONCRETE CABINET BASE TO BE INSTALLED SHALL BE AS CALLED FOR IN THE PLANS.

TO FACILITATE FLUSH MOUNTING OF THE METER BREAKER PEDESTAL AGAINST THE SIDE OF THE CABINET BASE (IF FLUSH MOUNTING POSSIBLE. CONFER WITH THE LOCAL UTILITY TO DETERMINE WHICH SIDE OF THE CONCRETE BASE THE ELECTRICAL SERVICE LATERAL WILL APPROACH. THEN FORM THAT INDICATED SIDE FOR FULL SIDE DEPTH.

WHILE FLUSH MOUNTING IS THE MOST DESIRABLE MOUNTING CONFIGURATION UTILITY REQUIREMENTS MAY PRECLUDE THIS OPTION. CONTRACTOR MUST PROVIDE UTILITY APPROVED PEDESTAL AND INSTALL PER UTILITY AND MANUFACTURERS REQUIREMENTS.

SERVICE CONDUCTOR ENTRANCES SHALL BE RIGID METALLIC CONDUIT, NIPPLES AND/OR CONDULETS AS REQUIRED.

SERVICE CONDUCTOR ENTRANCES SHALL BE SIZED AND LOCATED AS REQUIRED BY THE LOCAL UTILITY AND IN ACCORDANCE WITH APPROPRIATE ARTICLES OF THE LATEST ACCEPTED NATIONAL ELECTRICAL CODE.

IF MORE THAN ONE GROUNDING ELECTRODE IS REQUIRED, THE DISTANCE APART SHALL BE 6 FEET OR PER LOCAL UTILITY REGULATIONS.

*SOME PEDESTAL LIGHTING PLANS SHOW MAIN LUGS ONLY.

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S.D.D. 9 D 1-5

CABINET SERVICE INSTALLATION
(METER BREAKER PEDESTAL)

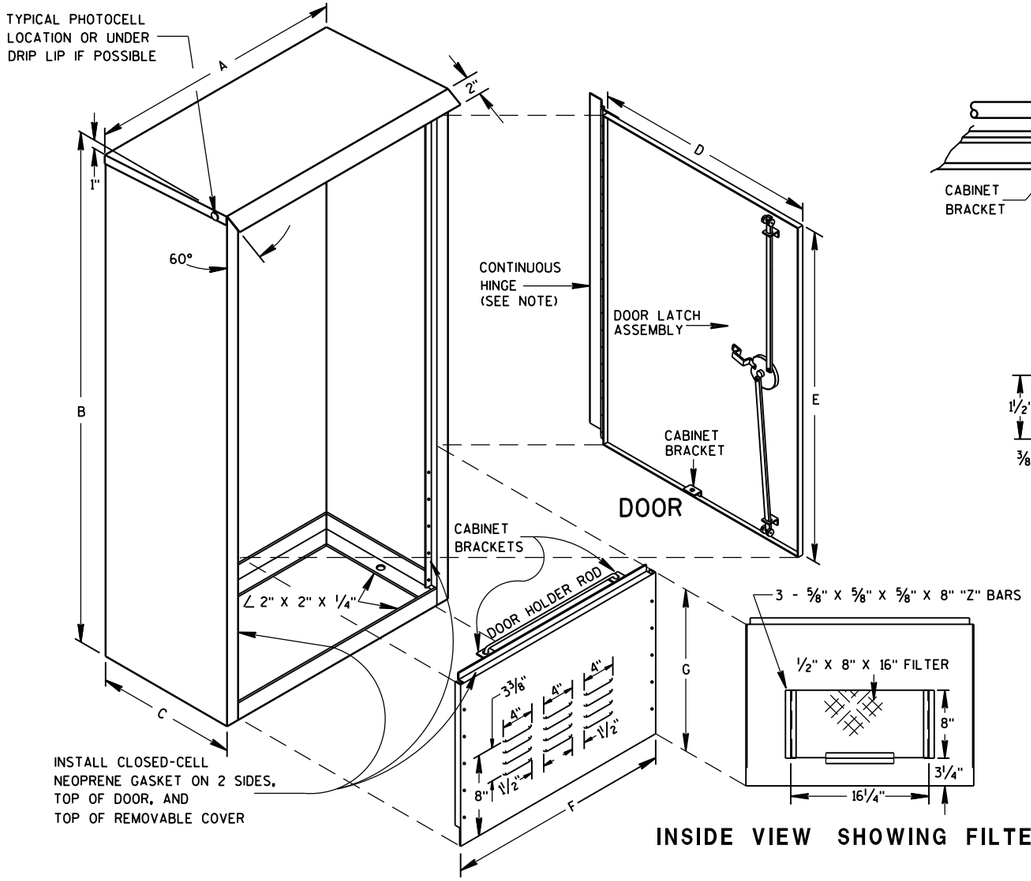
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014
DATE

/S/ Ahmet Demirbilek
STATE ELECTI

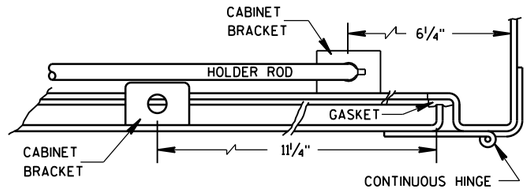
FHWA

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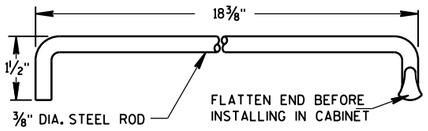


INSIDE VIEW SHOWING FILTER

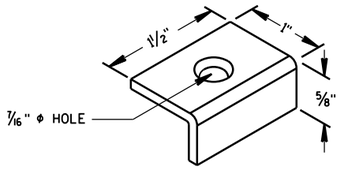
REMOVABLE COVER



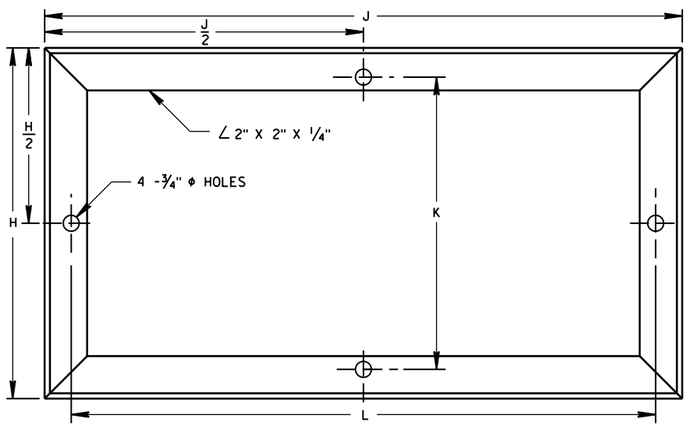
HINGE & DOOR HOLDER



HOLDER ROD



CABINET BRACKET



MOUNTING BASE

TABLE OF DIMENSIONS (INCHES)

MARK	CABINET TYPE		
	3060	3860	3866
A	30	38	38
B	60	60	66
C	16 1/2	16 1/2	24
D	26 1/2	34 3/4	33 3/4
E	38 3/4	38 3/4	38 3/4
F	26 1/2	34 3/4	33 3/4
G	19	19	25
H	16 1/2	16 1/2	24
H/2	8 1/4	8 1/4	12
J	30	38	38
J/2	15	19	19
K	13 3/4	13 3/4	21 1/4
L	27 1/2	35 1/2	35 1/2

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

PRIME WITH PHOSPHATE TREATMENT AND PRIMER.

FINISH EXTERIOR SURFACES WITH RUSTOLEUM #906 SILVER GRAY OR APPROVED EQUAL.

FINISH INTERIOR WITH RUSTOLEUM #2766 HIGH GLOSS WHITE ENAMEL OR APPROVED EQUAL.

ALL SHEET METAL PARTS SHALL BE .125 INCH THICK ALUMINUM.

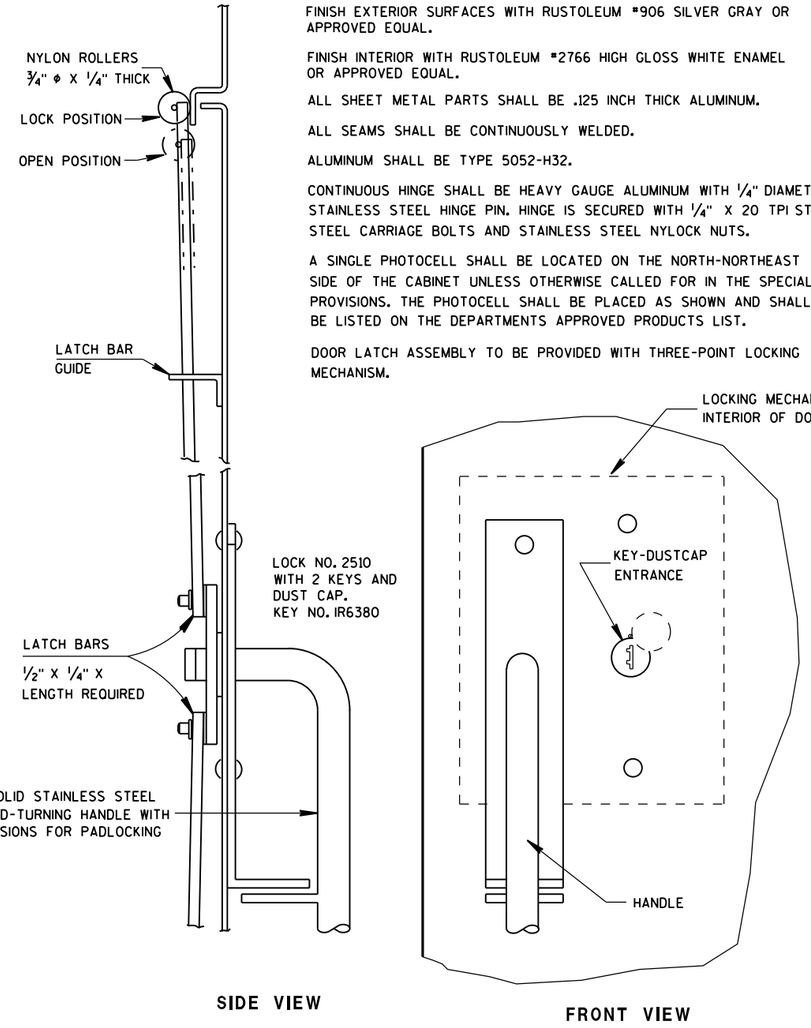
ALL SEAMS SHALL BE CONTINUOUSLY WELDED.

ALUMINUM SHALL BE TYPE 5052-H32.

CONTINUOUS HINGE SHALL BE HEAVY GAUGE ALUMINUM WITH 1/4" DIAMETER STAINLESS STEEL HINGE PIN. HINGE IS SECURED WITH 1/4" X 20 TPI STAINLESS STEEL CARRIAGE BOLTS AND STAINLESS STEEL NYLOCK NUTS.

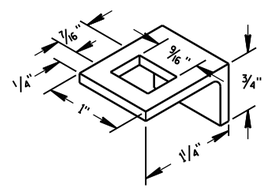
A SINGLE PHOTOCELL SHALL BE LOCATED ON THE NORTH-NORTHEAST SIDE OF THE CABINET UNLESS OTHERWISE CALLED FOR IN THE SPECIAL PROVISIONS. THE PHOTOCELL SHALL BE PLACED AS SHOWN AND SHALL BE LISTED ON THE DEPARTMENTS APPROVED PRODUCTS LIST.

DOOR LATCH ASSEMBLY TO BE PROVIDED WITH THREE-POINT LOCKING MECHANISM.



SIDE VIEW FRONT VIEW

LATCH ASSEMBLY



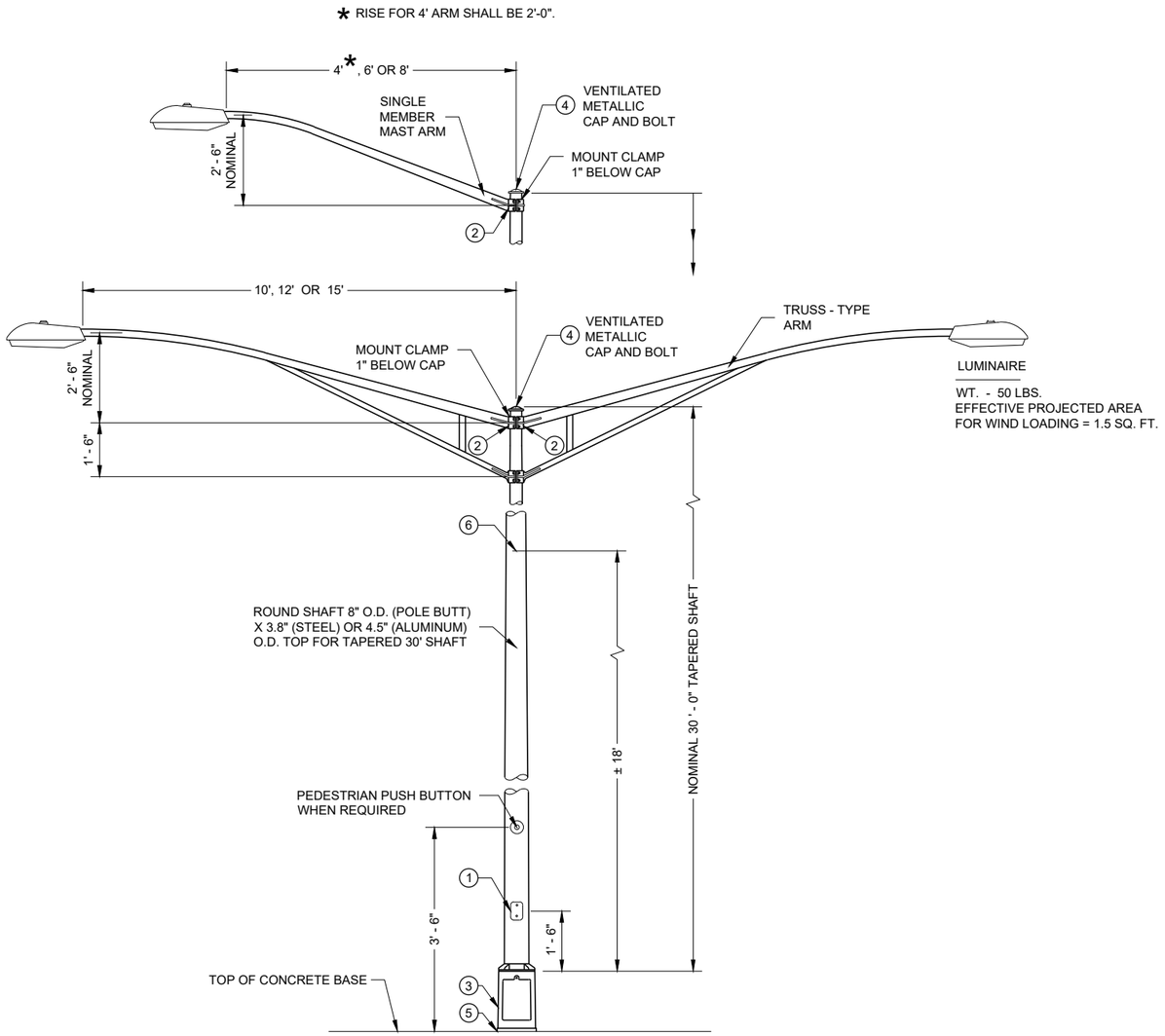
LATCH BAR GUIDE

SIGNAL CONTROL CABINET

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGINEER
FHWA

PRE_230



TYPE 5 POLE MOUNTING CONFIGURATION
(MAXIMUM LOAD)
LIGHTING ONLY

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

SECTION 657, POLES, OF THE STANDARD SPECIFICATIONS SHALL APPLY TO THIS DRAWING.

ALL TYPE 5 POLE MOUNTINGS SHALL BE DESIGNED TO INCLUDE TWIN 15' ARMS WITH LUMINAIRES.

POLES SHALL BE GALVANIZED STEEL OR ALUMINUM, AS CALLED FOR IN THE CONTRACT.

TYPE 5 ALUMINUM POLES SHALL BE CONSTRUCTED OF 6063 - T6 ALUMINUM ALLOY. SLEEVING INSIDE THE POLE IS NOT ACCEPTABLE.

TYPE 5 ALUMINUM POLES SHALL HAVE A MINIMUM WALL THICKNESS OF 0.1888".

TYPE 5 STEEL POLES SHALL HAVE A MINIMUM WALL THICKNESS OF U.S. STANDARD 11 GAGE (0.1196").

THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 2 ⅜ INCHES IN OUTSIDE DIAMETER. THE STRAIGHT PORTION OF THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 12 INCHES IN LENGTH.

WHEN TRANSFORMER BASES ARE USED, WIRE CONNECTIONS SHALL BE MADE IN THE TRANSFORMER BASE.

(1) 4" X 6" REINFORCED HANDHOLE AND COVER ASSEMBLY WITH TWO (2) ¼" X ¾" - 20 TPI , STAINLESS STEEL, HEX HEAD BOLTS.

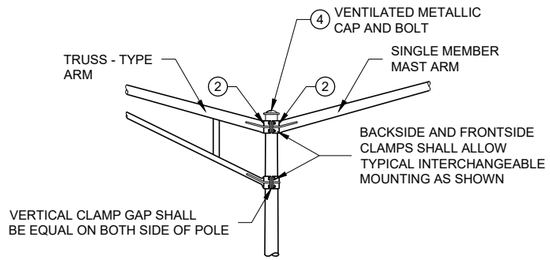
(2) GROMMETS. 1" CHASE NIPPLES OR 1" CLOSE CONDUIT NIPPLES WITH BUSHINGS SHALL BE PROVIDED FOR 1 ⅜" HOLE IN POLE SHAFT FOR WIRING.

(3) CAST ALUMINUM TRANSFORMER BASE, WHEN REQUIRED.

(4) FURNISH AND INSTALL VENTILATED, CAST METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.

(5) SHIMMING, IF NEEDED, SHALL BE LOCATED BETWEEN THE CONCRETE FOUNDATION AND POLE.

(6) INTERNAL DUMBBELL - TYPE VIBRATION DAMPER.

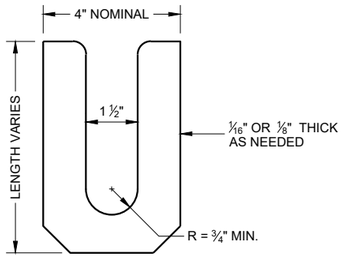


INTERCHANGEABLE MOUNTING DETAIL

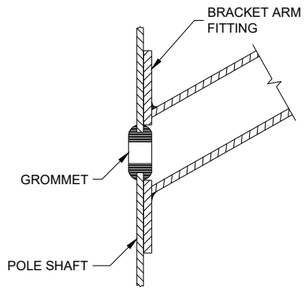
POLE MOUNTINGS FOR LIGHTING UNITS, TYPE 5 (30 FEET)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPO PRE_231

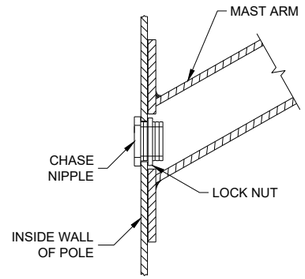
SDD 09E01-g Hardware Details for Pole Mounting



LEVELING SHIM (1)
SHALL BE ALUMINUM



TYPICAL APPLICATION OF GROMMET IN POLE SHAFT



TYPICAL APPLICATION OF CHASE NIPPLE IN POLE SHAFT

GENERAL NOTES

CLAMP BOLT-NUT TIGHTENING TORQUE SHALL BE INDICATED BY INDENT STAMPING (1/2 INCH NUMERALS AND LETTERS) OR WEATHERPROOF PRINTING ON THE INSIDE OF THE CLAMP THAT IS WELDED TO THE ARM MEMBER.

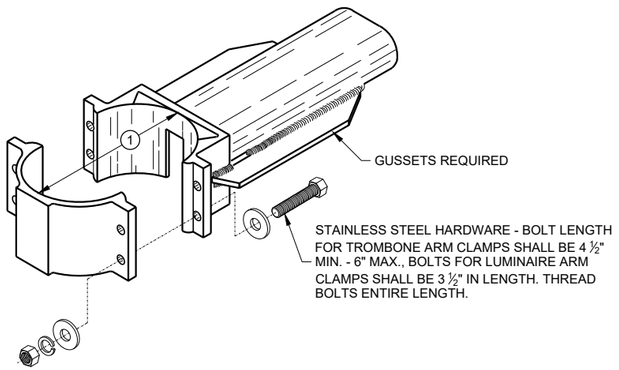
(1) 4.5" I.D. FOR LUMINAIRE MAST ARM CLAMP. 6.625" I.D. FOR TROMBONE MAST ARM CLAMP.

(2) INDIVIDUAL BASE PLATE ANCHOR ROD COVERS. (4 REQUIRED)

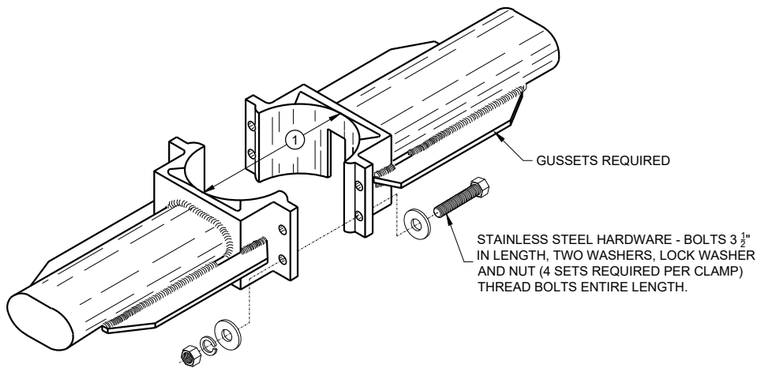
(3) BASE PLATE SLOTTED TO ACCEPT 11" THROUGH 12" BOLT CIRCLE USING 1" DIAMETER ANCHOR RODS.

(4) LEVELING SHIMS, DESIGNED FOR THE PURPOSE, SHALL BE USED WHEN PLUMBING POLES. THE USE OF WASHERS IN LIEU OF PROPER LEVELING SHIMS IS NOT ACCEPTABLE. LEVELING SHIMS SHALL BE USED ONLY BETWEEN THE TOP OF THE CONCRETE BASE AND A METALLIC BASE PLATE.

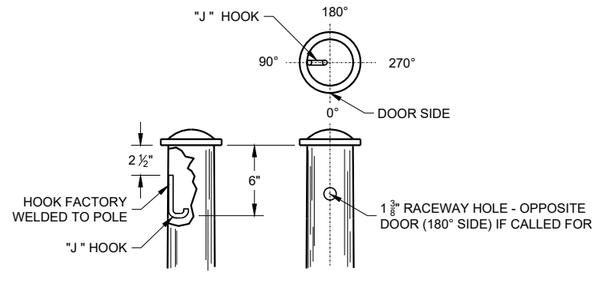
SHIMS SHALL BE LONG ENOUGH AND WIDE ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.



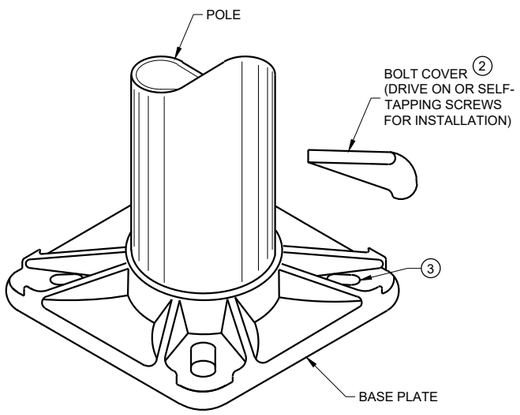
TYPICAL TROMBONE MAST ARM AND SINGLE LUMINAIRE MAST ARM MOUNTING CLAMP



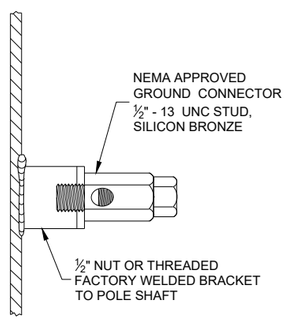
TYPICAL LUMINAIRE MAST ARM (DOUBLE) MOUNTING BRACKETS

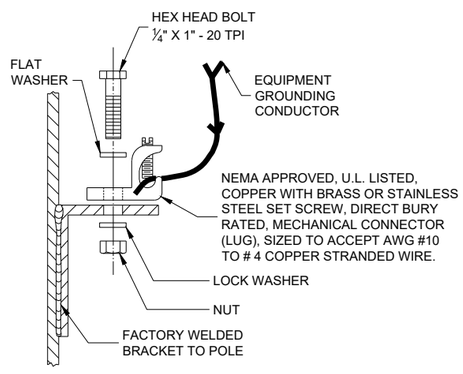


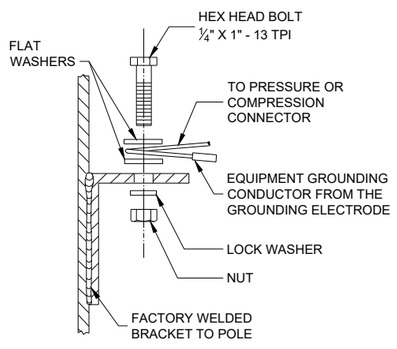
TYPICAL "J" HOOK LOCATION



BASE PLATE







TYPICAL GROUNDING CONNECTIONS

NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL

HARDWARE DETAILS FOR POLE MOUNTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL PRE_232

FHWA

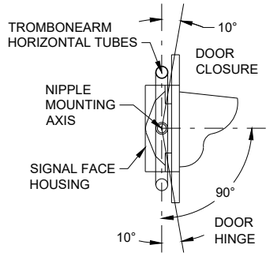
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SDD 09A01 - 15g

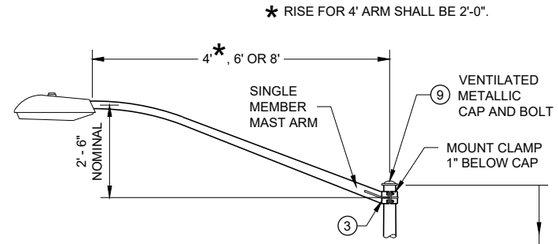
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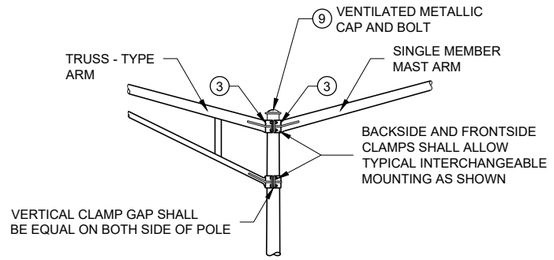
SDD 09A01 - 15g

SDD 09E01-b Pole Mountings for Traffic Signals and Lighting Units, Type 3 (Heavy Duty)

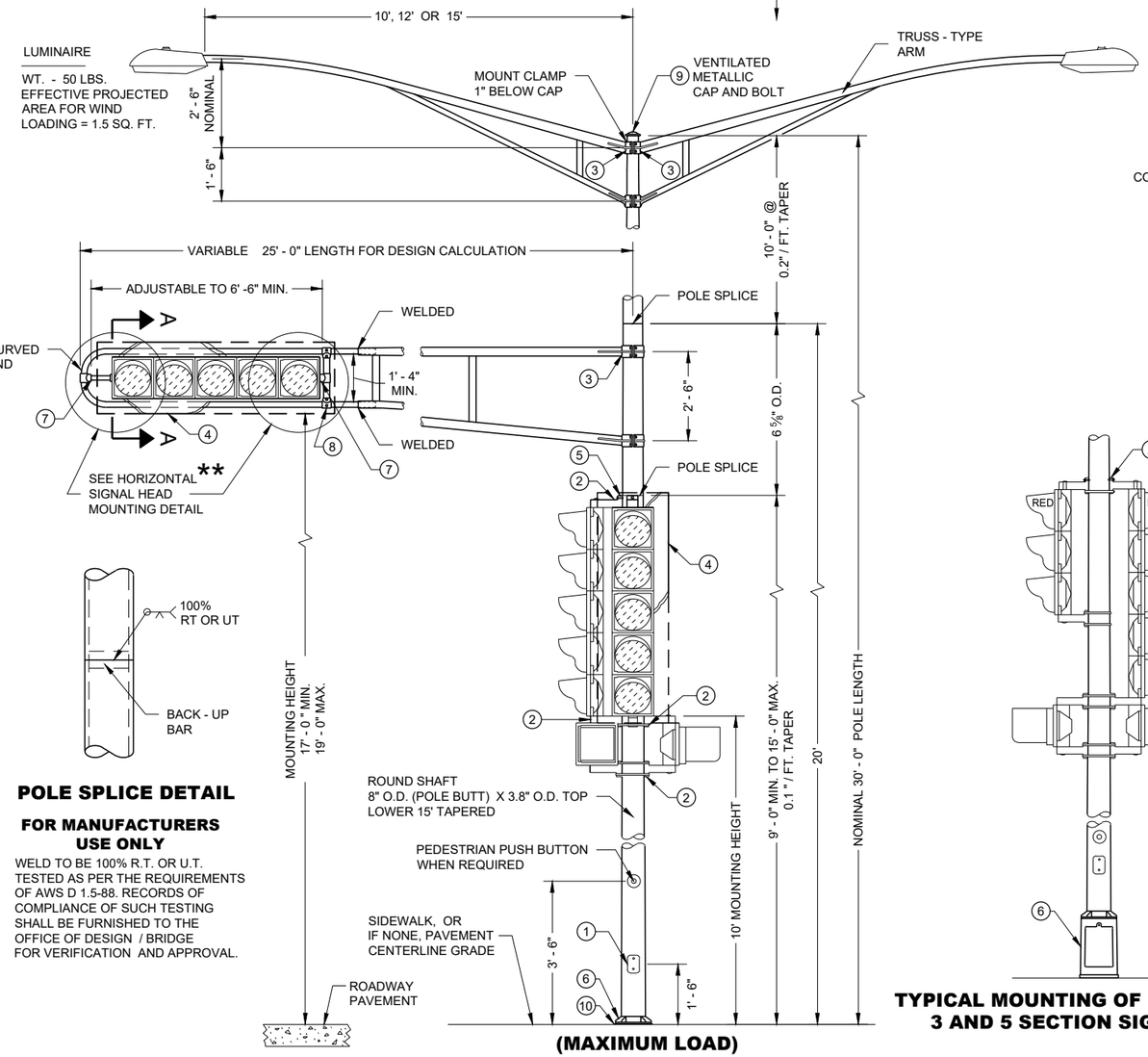


SECTION A-A



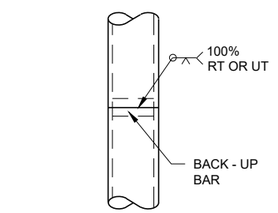


INTERCHANGEABLE MOUNTING DETAIL



(MAXIMUM LOAD)

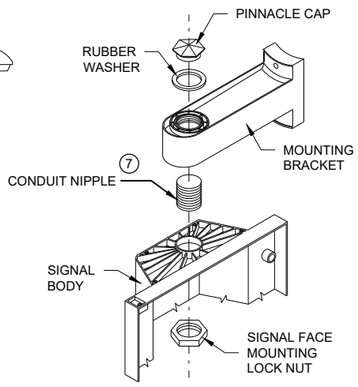
TYPE 3 POLE MOUNTING CONFIGURATION



POLE SPLICE DETAIL

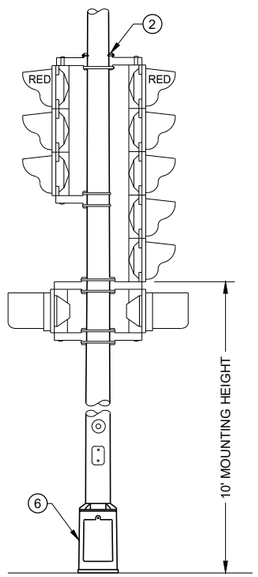
FOR MANUFACTURERS USE ONLY

WELD TO BE 100% R.T. OR U.T. TESTED AS PER THE REQUIREMENTS OF AWS D 1.5-88. RECORDS OF COMPLIANCE OF SUCH TESTING SHALL BE FURNISHED TO THE OFFICE OF DESIGN / BRIDGE FOR VERIFICATION AND APPROVAL.

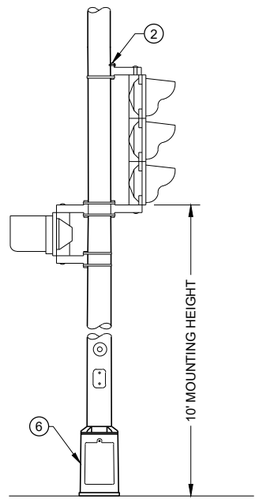


SIGNAL FACE MOUNTING DETAIL

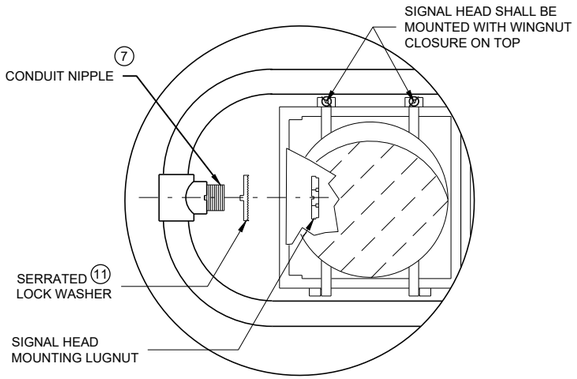
(BANDED)



TYPICAL MOUNTING OF BACK TO BACK 3 AND 5 SECTION SIGNAL FACES



TYPICAL MOUNTING OF 3 SECTION SIGNAL FACE



HORIZONTAL SIGNAL HEAD ** MOUNTING DETAIL

** SIGNAL HEAD ATTACHMENT ALSO APPLIES TO MOUNTING AT CROSS BAR

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

ALL TYPE 3 POLE MOUNTINGS SHALL BE DESIGNED TO INCLUDE TWIN 15' ARMS WITH LUMINAIRES.

POLES SHALL BE GALVANIZED STEEL.

SECTION 657, POLES, OF THE STANDARD SPECIFICATIONS SHALL APPLY TO THIS DRAWING.

A PULL WIRE / ROPE SHALL BE INSTALLED IN EACH TROMBONE ARM RACEWAY DURING THE MANUFACTURING PROCESS.

THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 2 3/8 INCHES IN OUTSIDE DIAMETER. THE STRAIGHT PORTION OF THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 12 INCHES IN LENGTH.

WHEN TRANSFORMER BASES ARE USED, WIRE CONNECTIONS SHALL BE MADE IN THE TRANSFORMER BASE.

(1) 4" X 6" REINFORCED HANDHOLE AND COVER ASSEMBLY WITH TWO (2) ¼" X ¾" - 20 TPI , STAINLESS STEEL, HEX HEAD BOLTS.

(2) SIGNAL FACE MOUNTING BRACKETS. MOUNT WITH CAP SCREWS AND BANDING.

(3) GROMMETS. 1" CHASE NIPPLES OR 1" CLOSE CONDUIT NIPPLES WITH BUSHINGS SHALL BE PROVIDED FOR 1 3/8" HOLE IN POLE SHAFT FOR WIRING.

(4) SECURELY MOUNT DULL BLACK POLYCARBONATE BACK PLATES, PROJECTING 5" BEYOND ALL SIDES OF THE SIGNAL FACE HOUSING, PER MANUFACTURER'S RECOMMENDATIONS.

(5) POLE MOUNTED SIGNAL FACES SHALL REQUIRE ONE OR MORE MOUNTING SPACERS UNDER THE TOP MOUNTING BRACKET(S) AS REQUIRED, TO PLUMB THE SIGNAL FACE.

(6) CAST ALUMINUM TRANSFORMER BASE, WHEN REQUIRED. UNDER MAX LOADING, TYPE 3 POLE SHALL BE MOUNTED DIRECTLY TO ITS CONCRETE BASE.

(7) USE 1 ½" ID NIPPLES ZINC-COATED RIGID METAL CONDUIT, LONG ENOUGH TO ACCOMMODATE FULL DEPTH THREADING INTO THE HEAD MOUNTING LOCK NUT IN ORDER TO TIGHTEN THE FACE, BUT THAT DO NOT INTERFERE WITH REFLECTOR CLOSURE. THREAD THE NIPPLE INTO THE MOUNTING BRACKET/ELBOW UNTIL TIGHT. USE APPROVED PINNACLE TYPE HARDWARE FROM A DEPARTMENT APPROVED MANUFACTURER TO CLOSE THE UNUSED 1 ½" OPENING IN SIGNAL FACES AND BRACKET ENDS.

(8) VERTICAL STRUT (ADJUSTABLE). ONE (1) SET SCREW (¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD) INTO EACH ARM MEMBER IF STRUT IS THE SLIDING TYPE.

(9) FURNISH AND INSTALL VENTILATED, CAST METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.

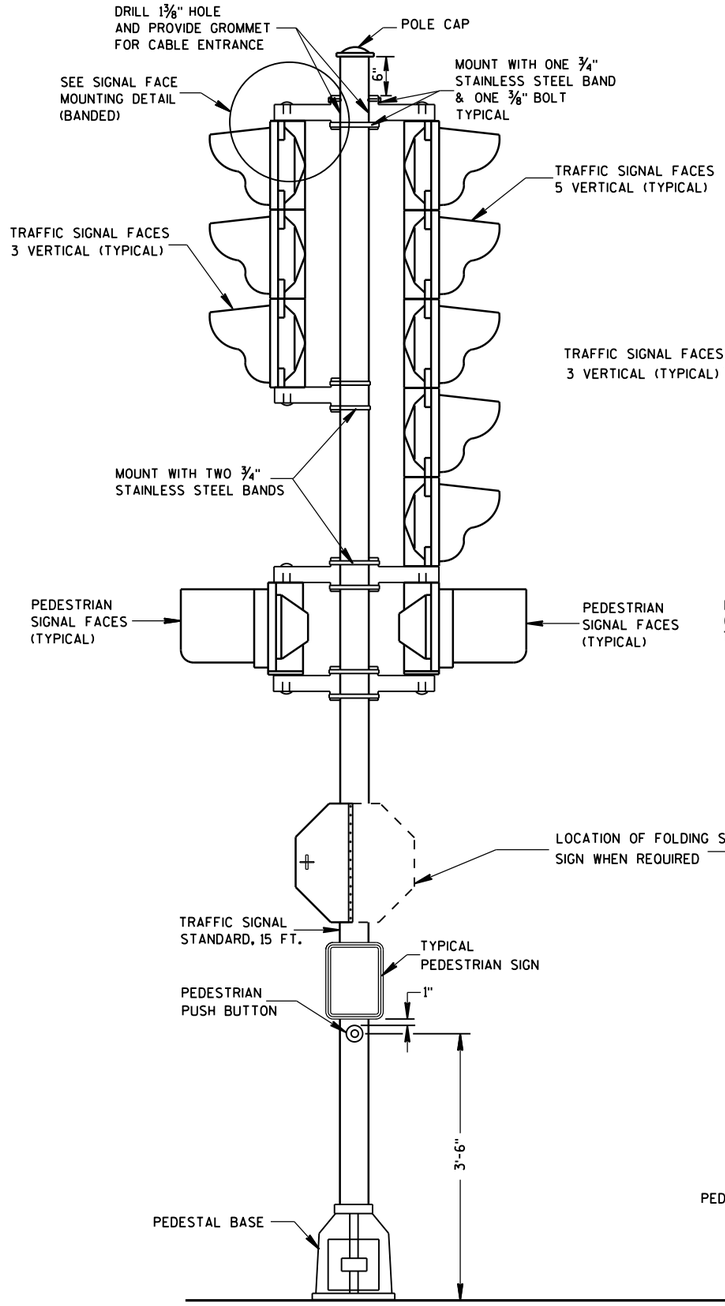
(10) SHIMMING, IF NEEDED, SHALL BE LOCATED BETWEEN THE CONCRETE FOUNDATION AND POLE.

(11) USE SERRATED LOCK WASHERS WITH NOTCHES BETWEEN END TEE AND SIGNAL HEAD.

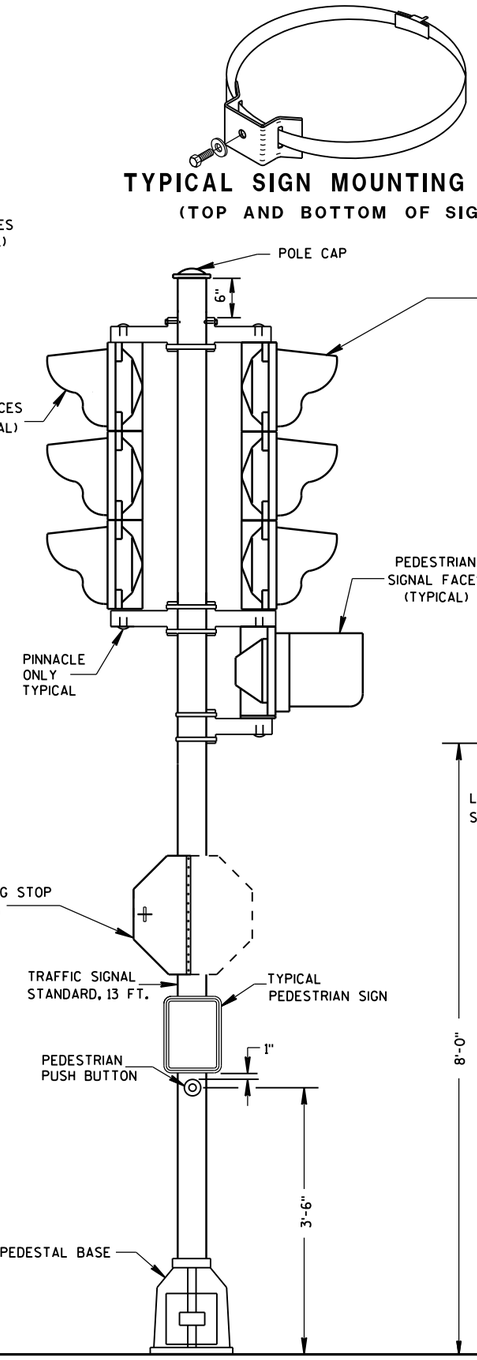
POLE MOUNTINGS FOR TRAFFIC SIGNALS AND LIGHTING UNITS TYPE 3 (HEAVY DUTY)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPO PRE_233

SDD 9e6 Traffic Signal Standard Poly Bracket Mountings (Typical) 13 ft. or 15 ft.



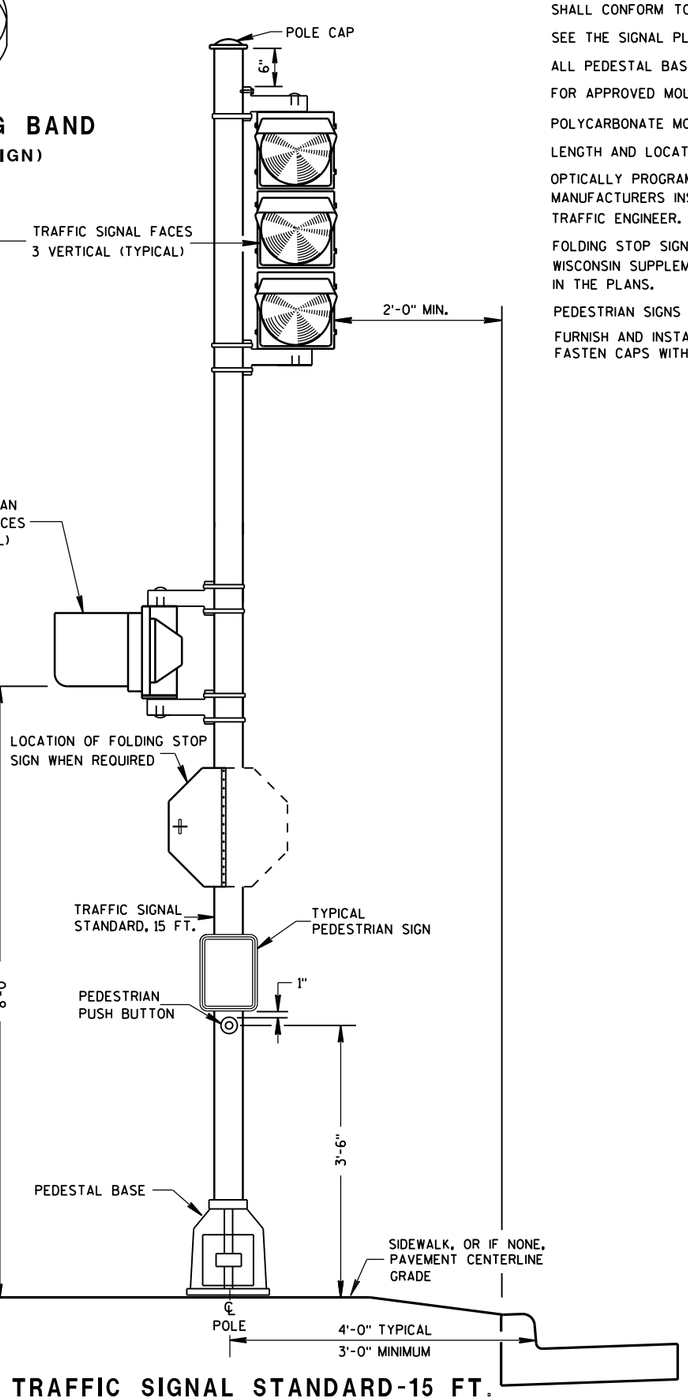
TRAFFIC SIGNAL STANDARD-15 FT.



TRAFFIC SIGNAL STANDARD-13 FT.

TYPICAL SIGN MOUNTING BAND

(TOP AND BOTTOM OF SIGN)



TRAFFIC SIGNAL STANDARD-15 FT.
3M MOUNTING (TYPICAL)

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

SEE THE SIGNAL PLAN FOR REQUIRED SIGNAL FACE SIZES.

ALL PEDESTAL BASES SHALL BE MOUNTED ON CONCRETE BASE - TYPE 1.

FOR APPROVED MOUNTING HARDWARE, SEE THE CONTRACT SPECIAL PROVISIONS.

POLYCARBONATE MOUNTING BRACKETS SHALL BE USED.

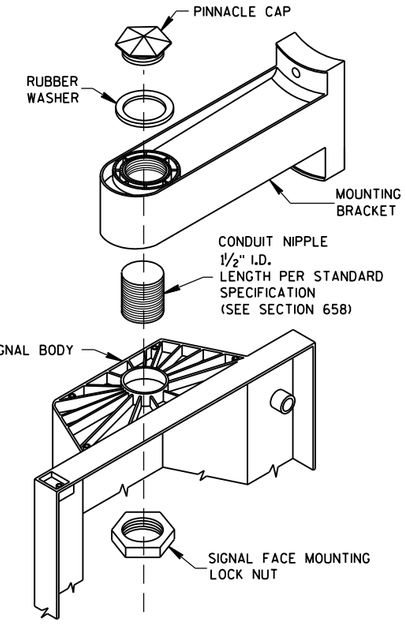
LENGTH AND LOCATION OF TRAFFIC SIGNAL STANDARDS SHALL BE AS SHOWN ON THE PLANS.

OPTICALLY PROGRAMMED SIGNAL FACES SHALL BE MASKED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS, AND UNDER THE DIRECTIONS OF THE REGION TRAFFIC ENGINEER.

FOLDING STOP SIGNS SHALL BE IN ACCORDANCE WITH THE MUTCD AND/OR THE LATEST WISCONSIN SUPPLEMENT. THE SIGNS SHALL BE SIZED AND LOCATED AS CALLED FOR IN IN THE PLANS.

PEDESTRIAN SIGNS SHALL BE AS DESIGNATED IN THE PLANS.

FURNISH AND INSTALL VENTILATED, CAST, METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.



SIGNAL FACE MOUNTING DETAIL

(BANDED)

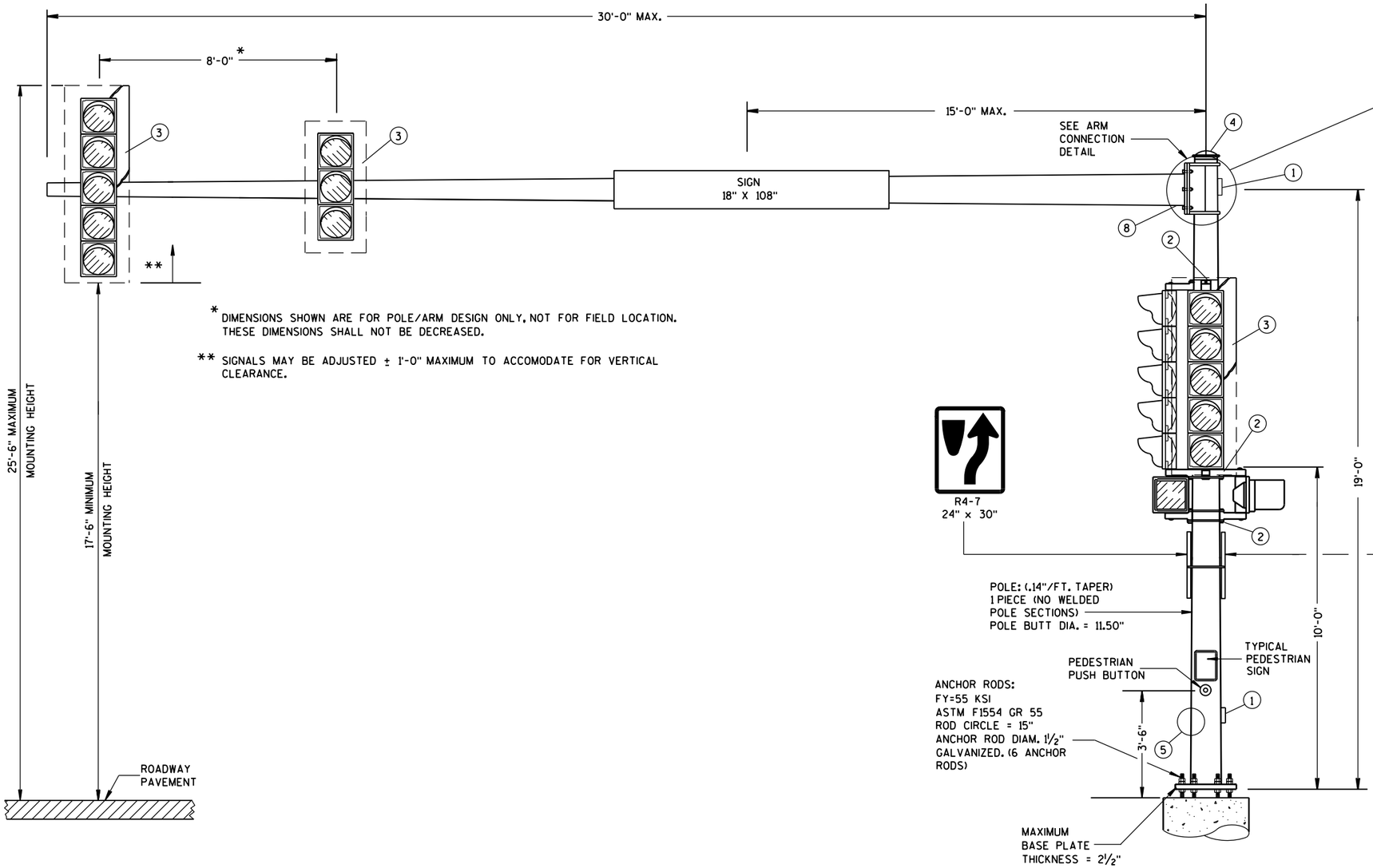
TRAFFIC SIGNAL STANDARD POLY BRACKET MOUNTINGS (TYPICAL) 13 FT. OR 15 FT.

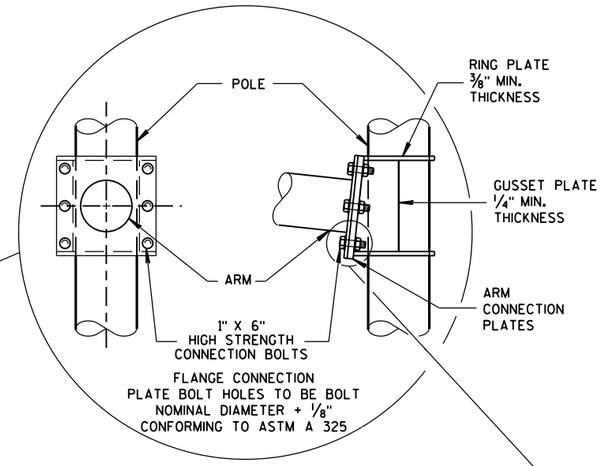
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
2/28/2013 — DATE
/S/ Ahmet Demirbilek — STATE ELECTI
FHWA

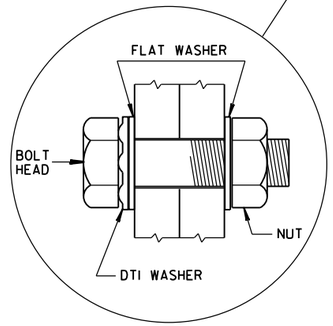
PRE_234

SDD 9e8-a Type 9 Pole 15'-30' Monotube Arm

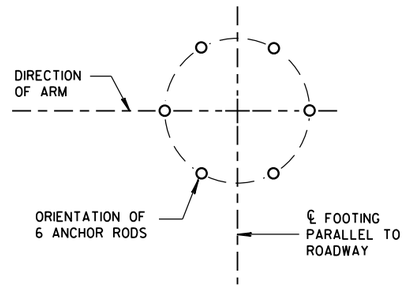




6 BOLT ARM CONNECTION DETAIL



RECOMMENDED BOLT ASSEMBLY DETAIL



ANCHOR ROD LOCATION

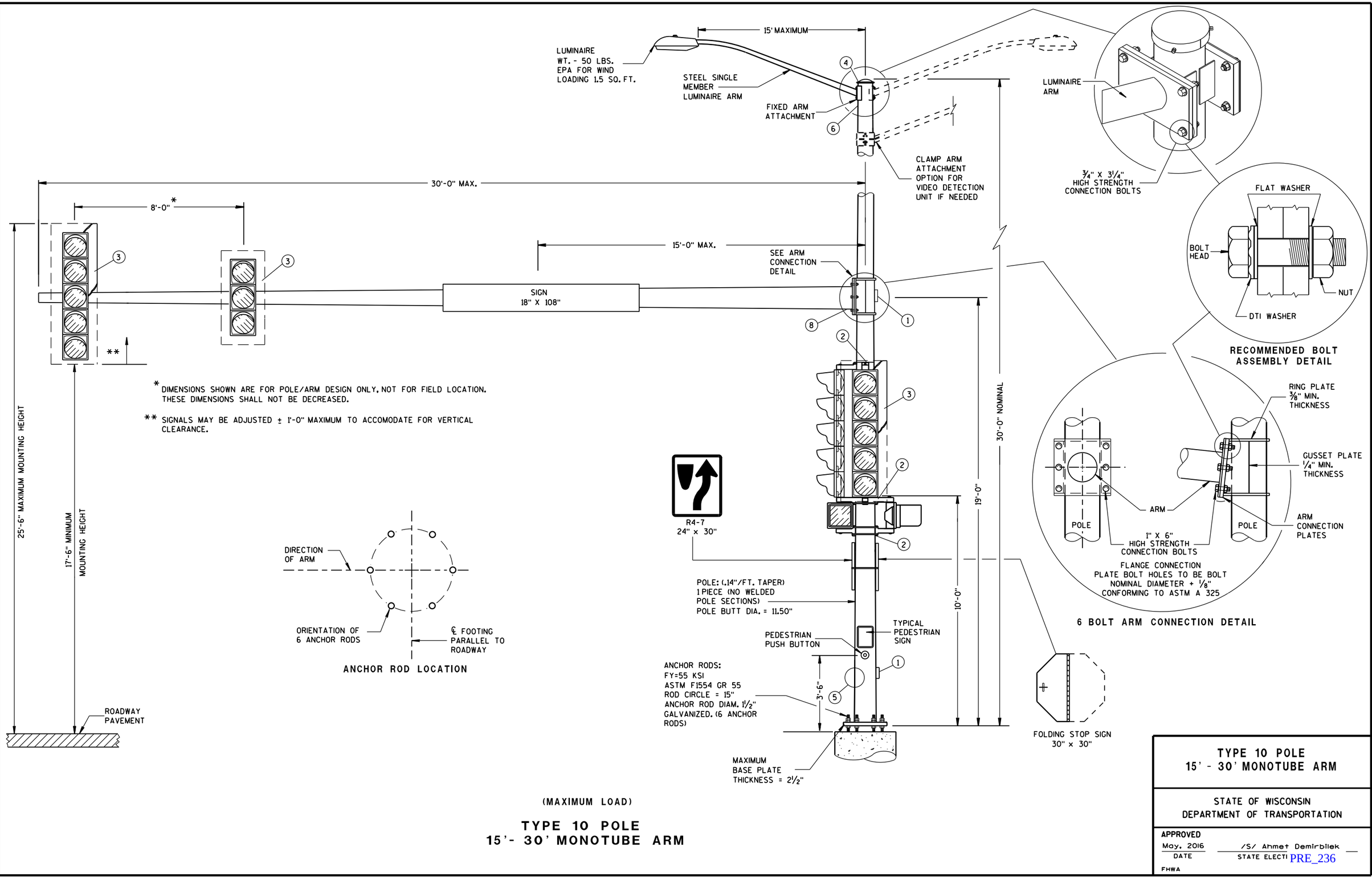
(MAXIMUM LOAD)

TYPE 9 POLE 15'- 30' MONOTUBE ARM

TYPE 9 POLE 15' - 30' MONOTUBE ARM	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED May, 2016 DATE	/S/ Ahmet Demirbilek STATE ELECTI
FHWA	

PRE_235

SDD 9e8-b Type 10 Pole 15'-30' Monotube Arm



* DIMENSIONS SHOWN ARE FOR POLE/ARM DESIGN ONLY, NOT FOR FIELD LOCATION. THESE DIMENSIONS SHALL NOT BE DECREASED.

** SIGNALS MAY BE ADJUSTED ± 1'-0" MAXIMUM TO ACCOMODATE FOR VERTICAL CLEARANCE.

ANCHOR ROD LOCATION

(MAXIMUM LOAD)

TYPE 10 POLE
15'- 30' MONOTUBE ARM

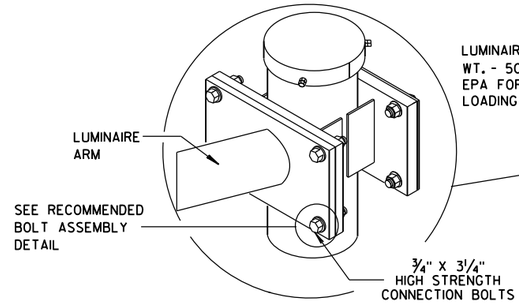
TYPE 10 POLE 15' - 30' MONOTUBE ARM	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED	
May, 2016 DATE	/S/ Ahmet Demirbilek STATE ELECTI
FHWA	

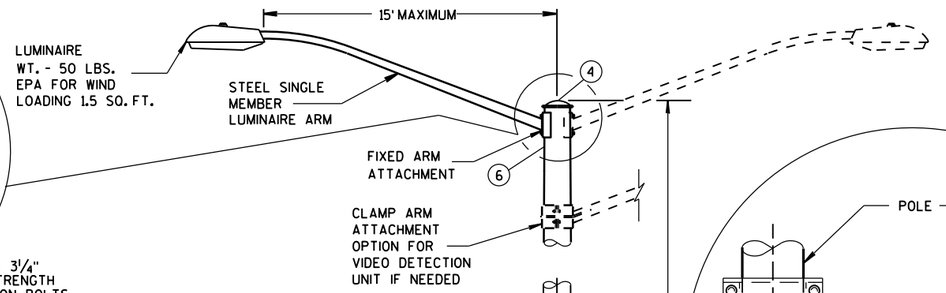
PRE_236

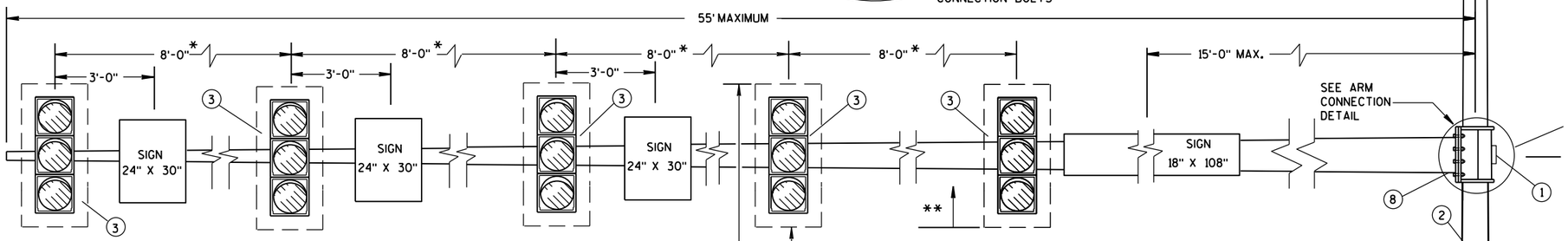
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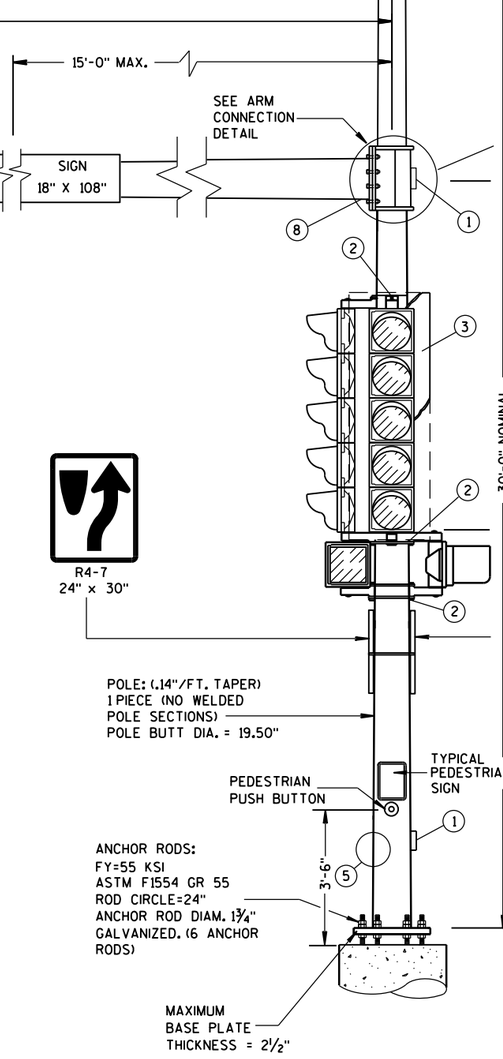
S.D.D. 9 E 8-8b

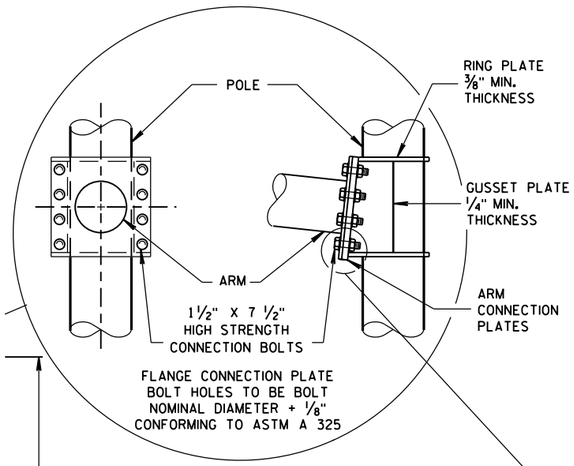
SDD 9e8-d Type 13 Pole 35'-55' Monotube Arm



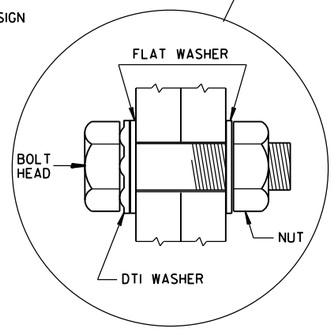








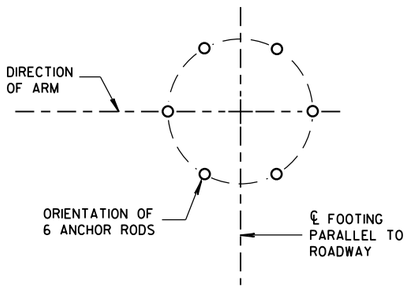
8 BOLT ARM CONNECTION DETAIL



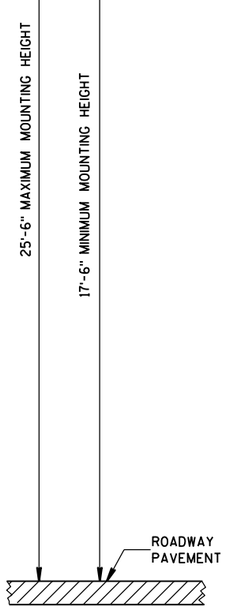
RECOMMENDED BOLT ASSEMBLY DETAIL

* DIMENSIONS SHOWN ARE FOR POLE/ARM DESIGN ONLY, NOT FOR FIELD LOCATION. THESE DIMENSIONS SHALL NOT BE DECREASED.

** SIGNALS MAY BE ADJUSTED ± 1'-0" MAXIMUM TO ACCOMODATE FOR VERTICAL CLEARANCE.



ANCHOR ROD LOCATION



(MAXIMUM LOAD)

TYPE 13 POLE 35'- 55' MONOTUBE ARM

TYPE 13 POLE
35' - 55' MONOTUBE ARM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2016 — DATE
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S.D.D. 9 E 8-8d

SDD 9e8-e General Notes and Hardware Details for Type 9, 10, 12 and 13 Poles with Monotube Arms

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

POLE TYPES 9 AND 10 ARE FOR ARM LENGTHS 15-FOOT TO 30-FOOT.

POLE TYPES 12 AND 13 ARE FOR ARM LENGTHS 35-FOOT TO 55-FOOT.

MONOTUBE POLE AND ARM SHALL BE GALVANIZED STEEL.

RING-STIFFENED BUILT-UP BOX TYPE OF ATTACHMENT FOR TRAFFIC SIGNAL ARM.

ONE (1) PIECE POLE CONSTRUCTION (NO WELDED POLE SECTIONS).

STANDARD STRAIGHT ARM DESIGN (3 % ± RISE).

SECTION 657, POLES OF THE STANDARD SPECIFICATIONS SHALL APPLY TO THIS DRAWING.

PROVIDE WIREWAY THRU POLE WALL AND ARM CONNECTION PLATES. PROVIDE ROUND, SMOOTH INSIDE SURFACE.

MANUFACTURER'S SUBMITTED POLE DESIGNS AND DRAWINGS SHALL BE SIGNED AND STAMPED BY A REGISTERED PROFESSIONAL ENGINEER AND CERTIFIED AS BEING IN COMPLIANCE WITH THE AASHTO 2013 6TH EDITION AND ALL PERTINENT WISDOT SPECIFICATIONS AND DRAWINGS FOR TRAFFIC AND LIGHTING STRUCTURES AND AS FOLLOWS:

- CATEGORY III FATIGUE LOADS OF GALLOPING, TRUCK GUSTS (AT 45 MPH VEHICLE VELOCITY) AND NATURAL WIND GUSTS FOR DESIGN OF TYPE 9 AND TYPE 10 STRUCTURES.
- CATEGORY II FATIGUE LOADS OF GALLOPING, TRUCK GUSTS (AT 45 MPH VEHICLE VELOCITY) AND NATURAL WIND GUSTS FOR DESIGN OF TYPE 12 AND TYPE 13 STRUCTURES.
- 90 MPH (3-SECOND GUST) WIND SPEED AND A 50 YEAR DESIGN LIFE.

SECURE THE OPENING BELOW THE BASE PLATE WITH STAINLESS STEEL OR GALVANIZED STEEL MESH AND SECURE THE MESH WITH ¾" S.S. BANDING AROUND THE LEVELING NUTS.

INDENT PRINT (NOMINAL ½" HIGH) THE POLE LENGTH AND FIRST TWO LETTERS OF THE MANUFACTURERS NAME ON TWO SIDES OF THE BASE PLATE 180 DEGREES APART, BEFORE GALVANIZING. THE ARM SHALL BE IDENTIFIED WITH THE SAME INFORMATION BY INDENT PRINT.

SIGNAL FACE SHALL BE MOUNTED 6 INCHES (NOMINAL) FROM THE END OF THE MONOTUBE ARM OR AS SHOWN ON THE PLAN CONSTRUCTION DETAIL OR AS DIRECTED BY THE PROJECT ENGINEER/ELECTRICAL OPERATIONS PERSONNEL. MOUNT ALL LIKE HEADS AT SAME ELEVATION.

SIGN MOUNTING BRACKETS SHALL BE FURNISHED IN ACCORDANCE WITH SECTION 637 OF THE STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION.

(1) DESIGN FOR MAXIMUM ALLOWABLE HANDHOLE WITH COVER ASSEMBLY WITH TWO ¼" X ¾" - 20 TPI STAINLESS STEEL HEX HEAD BOLTS.

(2) SIGNAL MOUNTING BRACKETS FOR POLE MOUNTING, MOUNT WITH CAP SCREW AND BANDING, (SEE SPECIFICATIONS SEC. 658).

(3) SECURELY MOUNT BACKPLATES, PROJECTING 5" BEYOND ALL SIDES OF THE SIGNAL FACE HOUSING, PER MANUFACTURERS RECOMMENDATIONS.

(4) THE TOP OF THE POLE SHAFT AND THE END OF THE MONOTUBE ARM SHALL BE EQUIPPED WITH A REMOVABLE, VENTILATED CAP HELD SECURELY IN PLACE WITH SET SCREWS.

(5) FACTORY-WELDED BRACKET FOR GROUNDING LUG, OPPOSITE HANDHOLE, (LUG AND HARDWARE PAID UNDER SEPARATE ITEM). PROVIDE HOLE IN BRACKET FOR ¼" X ¾" - 20 TPI STAINLESS STEEL HEX HEAD BOLT.

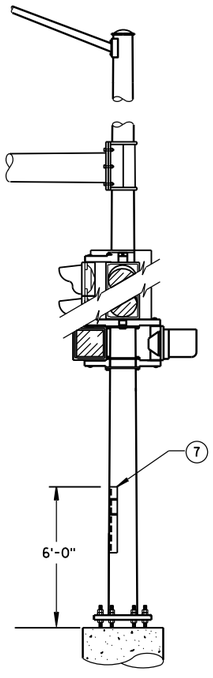
(6) FACTORY-WELDED "J" HOOK FOR STRAIN RELIEF FOR POLE LUMINAIRE WIRE.

(7) INSTALL STRUCTURAL IDENTIFICATION PLAQUES.

STRUCTURAL IDENTIFICATION PLAQUES SHALL BE PLACED ON THE POLES IN THE SAME DIRECTION AS THE ARM.

MOUNTING HEIGHT SHALL BE 6'-0" ABOVE THE CURB OR SHOULDER. ADJUST IF IT IS KNOWN THAT REQUIRED TRAFFIC SIGNS WILL BE OBSTRUCTED.

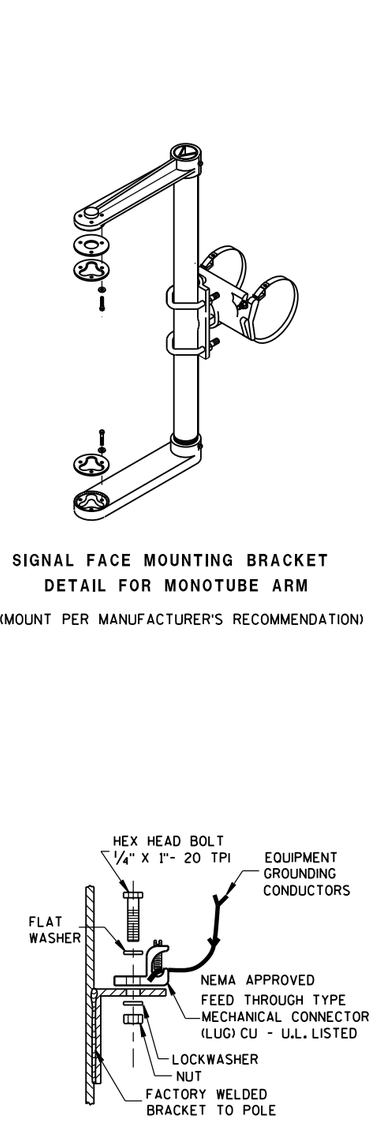
(8) FACTORY DRILLED ½" DRAIN HOLE 2" FROM FLANGE CONNECTION PLATE.



STRUCTURAL IDENTIFICATION PLAQUE PLACEMENT

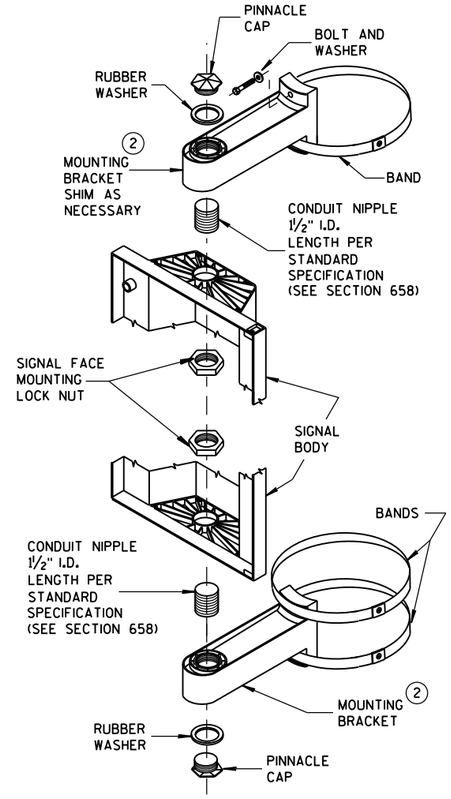
SIGNAL FACE MOUNTING BRACKET DETAIL FOR MONOTUBE ARM

(MOUNT PER MANUFACTURER'S RECOMMENDATION)

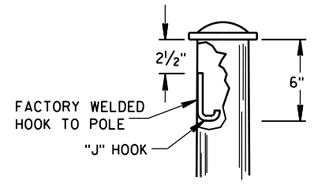


TYPICAL GROUNDING CONNECTIONS (5)

NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL



SIGNAL FACE VERTICAL MOUNTING DETAIL



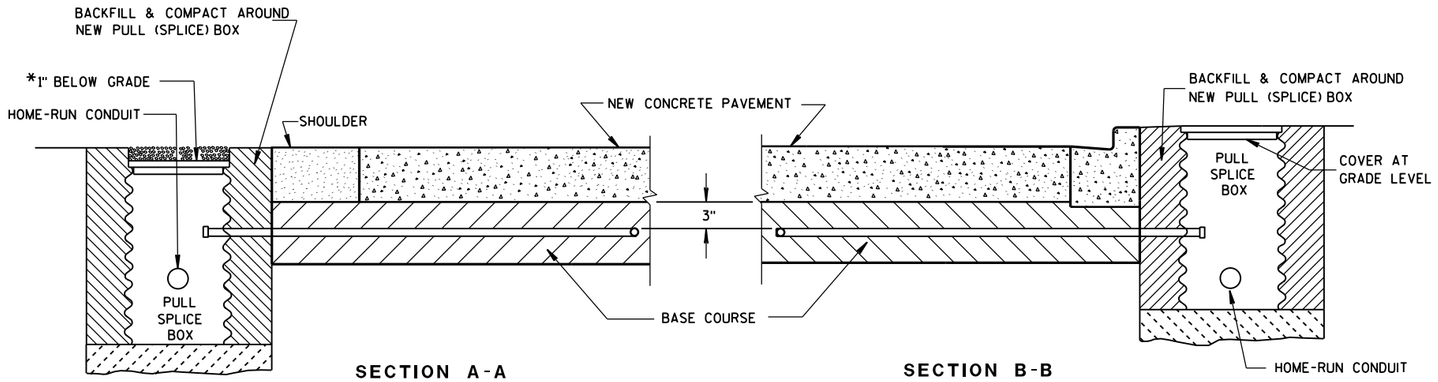
"J" HOOK WIRE SUPPORT (6)

GENERAL NOTES AND HARDWARE DETAILS FOR TYPE 9, 10, 12 & 13 POLES WITH MONOTUBE ARMS	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED	
May 2016 DATE	/S/ Ahmet Demirbilek STATE ELECTI
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S.D.D. 9 E 8-8e

SDD 9f15-a Loop Detector Installed in Base Course with Pull (Splice) Box Off Roadway (Option 1)



SECTION A-A
NO CURB & GUTTER

SECTION B-B
CURB & GUTTER

*RECESS PULL (SPLICE) BOX SO THAT THE COVER IS 3" BELOW GRADE IN SHOULDER AREAS OF CRUSHED AGGREGATE. BACKFILL OVER COVER WITH THE CRUSHED AGGREGATE TO BRING THE AREA TO GRADE LEVEL.

LOOP DETECTOR INSTALLATION DETAIL

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

LOOP SIZE, CONFIGURATION LOCATION, NUMBER OF TURNS OF WIRE AND ASSOCIATED SIGNAL PHASE SHALL BE AS SHOWN ON THE PLANS.

PITCH LEAD OUT CONDUIT TO DRAIN TO ROADSIDE PULL (SPLICE) BOX.

SPLICES SHALL BE INSTALLED BY USING CAST IN PLACE SPLICE KITS LISTED ON THE DEPARTMENTS APPROVED PRODUCTS LIST OR AN ENGINEER APPROVED EQUAL. NON-INSULATED BUTT SPLICES TO FIT #12 AWG STRANDED WIRE SHALL BE USED. SPLICES SHALL BE SOLDERED AND INSULATED FROM EACH OTHER AS PER INSTRUCTIONS INCLUDED IN THE SPLICE KIT.

MEASURE GROUND RESISTANCE USING A MEGGER. REPLACE LOOP WIRE NOT ATTAINING A READING OF INFINITY TO GROUND.

AFTER SPLICING THE LOOP WIRE TO THE LOOP LEAD-IN CABLE, THE CONTRACTOR SHALL MEASURE INDUCTANCE, GROUND RESISTANCE AND WIRE RESISTANCE AT THE CABINET END OF THE LEAD-IN CABLE AND FURNISH A COPY OF THE READINGS TO THE PROJECT ENGINEER FOR EVALUATION.

LOOP DETECTOR LEADS SHALL BE IDENTIFIED WITH THEIR ASSOCIATED LOOP BY USE OF WATERPROOF TAGS AT BOTH ENDS OF THE CABLE. A LISTING OF THE CABLE IDENTIFICATION PER INDIVIDUAL LOOP LEAD-IN SHALL BE PLACED IN THE CABINET.

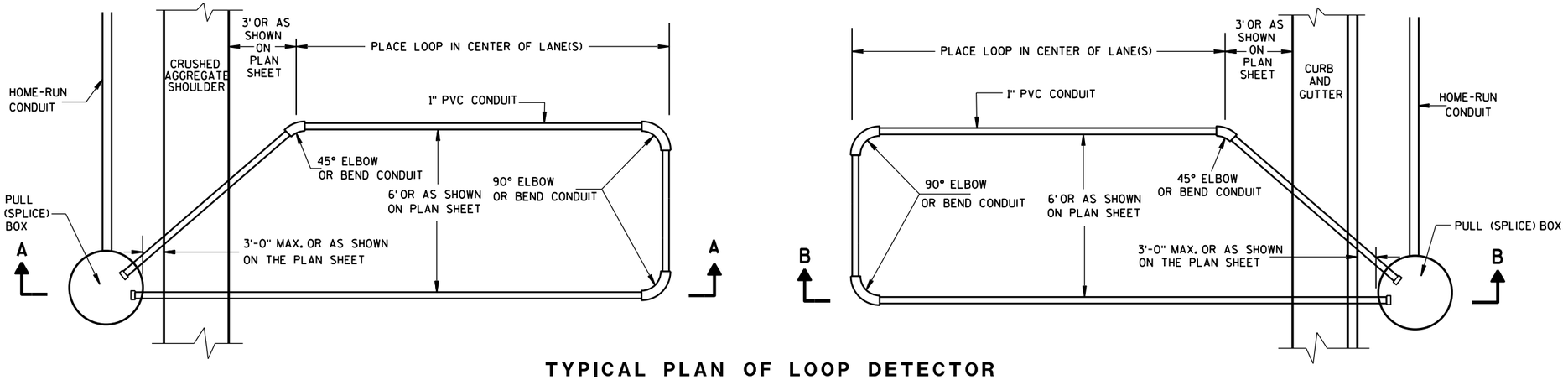
THE #12 AWG. LOOP WIRE IN THE PULL (SPLICE) BOX SHALL BE HAND TWISTED AT LEAST 3 TWISTS PER FOOT BEFORE BEING SPLICED TO THE LOOP LEAD-IN CABLE.

SPLICES OF LOOP WIRE TO LEAD-IN CABLE SHALL BE MADE ONLY IN PULL (SPLICE) BOXES AT THE SIDE OF THE ROAD.

THE #12 AWG LOOP WIRE SHALL BE INSTALLED FROM THE ROADSIDE PULL (SPLICE) BOX THROUGH THE LOOP CONDUIT, BACK TO THE ROADSIDE PULL (SPLICE) BOX, AND BE INSTALLED IN ONE, NON-SPLICE CONTINUOUS LENGTH.

PROTECTION OF THE CONDUIT IN THE BASE COURSE, SHALL BE REQUIRED AFTER INSTALLATION AND BEFORE NEW PAVEMENT IS INSTALLED.

SHOULD INSTALLATION REPAIR BE REQUIRED, IT SHALL BE DONE UNDER THE DIRECTION OF THE PROJECT ENGINEER.



TYPICAL PLAN OF LOOP DETECTOR WITH 18" OR 24" PULL (SPLICE) BOX

LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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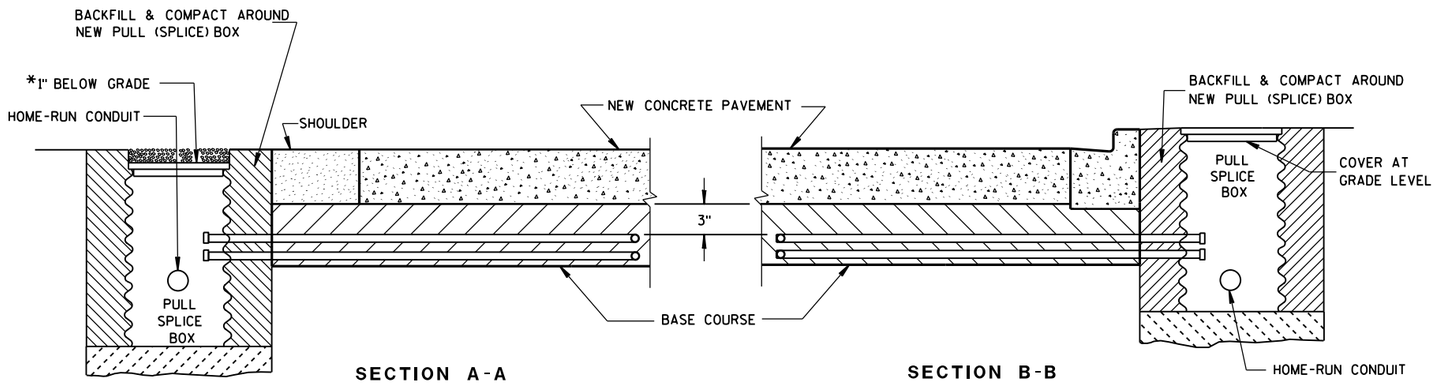
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S.D.D. 9 F 15-4a

S.D.D. 9 F 15-4a

SDD 9f15-b Loop Detector Installed in Base Course with Pull (Splice) Box Off Roadway (Option 2)



SECTION A-A
NO CURB & GUTTER

SECTION B-B
CURB & GUTTER

*RECESS PULL (SPLICE) BOX SO THAT THE COVER IS 3" BELOW GRADE IN SHOULDER AREAS OF CRUSHED AGGREGATE. BACKFILL OVER COVER WITH THE CRUSHED AGGREGATE TO BRING THE AREA TO GRADE LEVEL.

LOOP DETECTOR INSTALLATION DETAIL

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

LOOP SIZE, CONFIGURATION LOCATION, NUMBER OF TURNS OF WIRE AND ASSOCIATED SIGNAL PHASE SHALL BE AS SHOWN ON THE PLANS.

PITCH LEAD OUT CONDUIT TO DRAIN TO ROADSIDE PULL (SPLICE) BOX.

SPLICES SHALL BE INSTALLED BY USING CAST IN PLACE SPLICE KITS LISTED ON THE DEPARTMENTS APPROVED PRODUCTS LIST OR AN ENGINEER APPROVED EQUAL. NON-INSULATED BUTT SPLICES TO FIT #12 AWG STRANDED WIRE SHALL BE USED. SPLICES SHALL BE SOLDERED AND INSULATED FROM EACH OTHER AS PER INSTRUCTIONS INCLUDED IN THE SPLICE KIT.

MEASURE GROUND RESISTANCE USING A MEGGER. REPLACE LOOP WIRE NOT ATTAINING A READING OF INFINITY TO GROUND.

AFTER SPLICING THE LOOP WIRE TO THE LOOP LEAD-IN CABLE, THE CONTRACTOR SHALL MEASURE INDUCTANCE, GROUND RESISTANCE AND WIRE RESISTANCE AT THE CABINET END OF THE LEAD-IN CABLE AND FURNISH A COPY OF THE READINGS TO THE PROJECT ENGINEER FOR EVALUATION.

LOOP DETECTOR LEADS SHALL BE IDENTIFIED WITH THEIR ASSOCIATED LOOP BY USE OF WATERPROOF TAGS AT BOTH ENDS OF THE CABLE. A LISTING OF THE CABLE IDENTIFICATION PER INDIVIDUAL LOOP LEAD-IN SHALL BE PLACED IN THE CABINET.

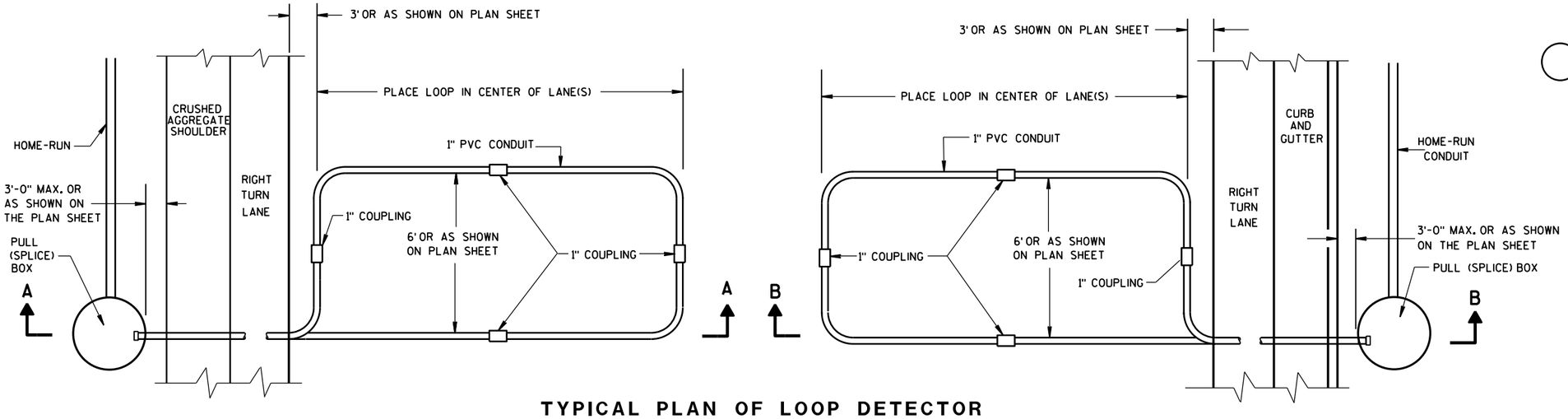
THE #12 AWG. LOOP WIRE IN THE PULL (SPLICE) BOX SHALL BE HAND TWISTED AT LEAST 3 TWISTS PER FOOT BEFORE BEING SPLICED TO THE LOOP LEAD-IN CABLE.

SPLICES OF LOOP WIRE TO LEAD-IN CABLE SHALL BE MADE ONLY IN PULL (SPLICE) BOXES AT THE SIDE OF THE ROAD.

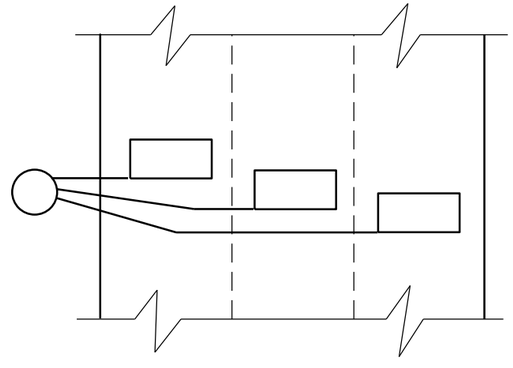
THE #12 AWG LOOP WIRE SHALL BE INSTALLED FROM THE ROADSIDE PULL (SPLICE) BOX, THROUGH THE LOOP CONDUIT, BACK TO THE ROADSIDE PULL (SPLICE) BOX, AND BE INSTALLED IN ONE, NON-SPLICED CONTINUOUS LENGTH.

PROTECTION OF THE CONDUITS IN THE BASE COURSE SHALL BE REQUIRED AFTER INSTALLATION AND BEFORE NEW PAVEMENT IS INSTALLED.

SHOULD INSTALLATION REPAIR BE REQUIRED, IT SHALL BE DONE UNDER THE DIRECTION OF THE PROJECT ENGINEER.



TYPICAL PLAN OF LOOP DETECTOR WITH 24" PULL (SPLICE) BOX



MULTI-LANE INSTALLATION

LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
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S.D.D. 9 F 15-4b

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S.D.D. 9 F 15-4b

SDD 9g1-a Span Wire Temporary Traffic Signal

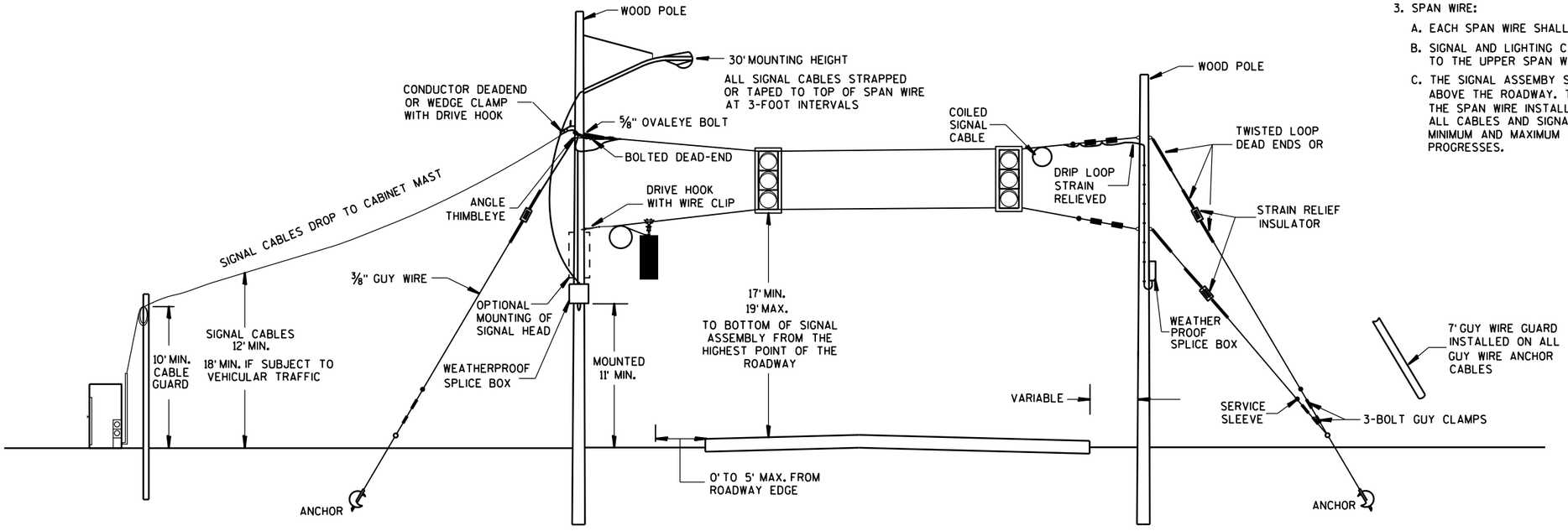
GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

1. WOOD POLES SHALL BE CLASS 4. LENGTH DETERMINED BY SIGNAL PLAN.

2. SIGNAL FACES:
   A. ALL SECTIONS SHALL BE 12" AND POLYCARBONATE.
   B. EACH SHALL CONTAIN A 5" WIDE DULL BLACK POLYCARBONATE BACKPLATE.
   C. EACH SHALL BE WIRED FROM THE TOP SIGNAL MOUNTING BRACKET.
   D. NEAR RIGHT SIGNAL FACE SUSPENDED ON THE TETHER (NO BACKPLATE) SHALL NOT BE OVER THE TRAVELED WAY. IF THE POLE IS WITHIN 5 FEET OF THE TRAVELED WAY MOUNT THE SIGNAL FACE ON THE WOOD POLE WITH BACKPLATE.

3. SPAN WIRE:
   A. EACH SPAN WIRE SHALL BE INDIVIDUALLY DOWN GUYED.
   B. SIGNAL AND LIGHTING CABLES SHALL ONLY BE ATTACHED TO THE UPPER SPAN WIRE.
   C. THE SIGNAL ASSEMBY SHALL HAVE A 17' MIN. HEIGHT ABOVE THE ROADWAY. THIS SHALL BE MEASURED AFTER THE SPAN WIRE INSTALLATION IS COMPLETED WITH ALL CABLES AND SIGNAL FACES IN PLACE. MAINTAIN MINIMUM AND MAXIMUM HEIGHTS AS ROADWAY WORK PROGRESSES.



SPAN WIRE
TEMPORARY SIGNALS

MINIMUM POLE LENGTHS	POLE BURIEL DEPTHS
25'	5'
30'	6'
35'	7'
40'	8'
45'	9'

SPAN WIRE
TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
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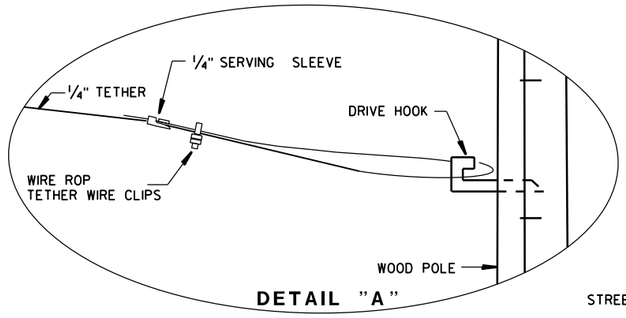
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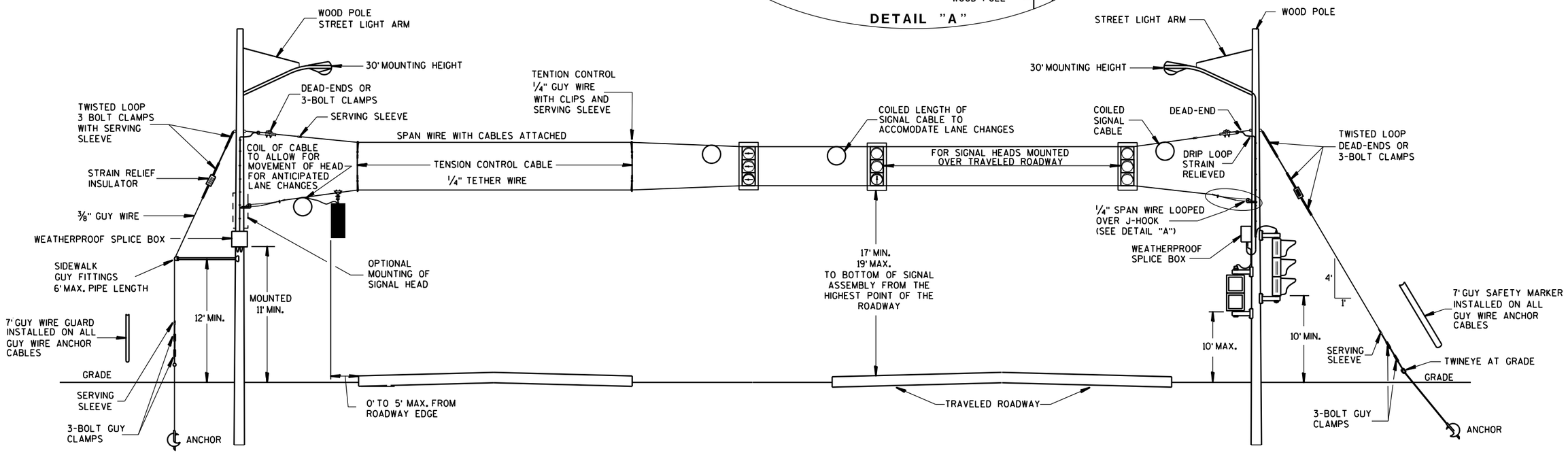
S.D.D. 9 G 1-4a

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S.D.D. 9 G 1-4a

SDD 9g1-b Span Wire Temporary Traffic Signal





GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

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2. SIGNAL FACES:
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   B. EACH SHALL CONTAIN A 5" WIDE DULL BLACK POLYCARBONATE BACKPLATE.
   C. EACH SHALL BE WIRED FROM THE TOP SIGNAL MOUNTING BRACKET.
   D. NEAR RIGHT SIGNAL FACE SUSPENDED ON THE TETHER (NO BACKPLATE) SHALL NOT BE OVER THE TRAVELED WAY. IF THE POLE IS WITHIN 5 FEET OF THE TRAVELED WAY MOUNT THE SIGNAL FACE ON THE WOOD POLE WITH BACKPLATE.
   E. FAR INDICATION SHALL BE MAINTAINED OVER CENTER OF TRAFFIC LANE.
3. SPAN WIRE:
   A. EACH SPAN WIRE SHALL BE INDIVIDUALLY DOWN GUYED.
   B. SIGNAL AND LIGHTING CABLES SHALL ONLY BE ATTACHED TO THE UPPER SPAN WIRE.
   C. THE SIGNAL ASSEMBY SHALL HAVE A 17' MIN. HEIGHT ABOVE THE ROADWAY. THIS SHALL BE MEASURED AFTER THE SPAN WIRE INSTALLATION IS COMPLETED WITH ALL CABLES AND SIGNAL FACES IN PLACE. MAINTAIN MINIMUM AND MAXIMUM HEIGHTS AS ROADWAY WORK PROGRESSES.

SPAN WIRE TEMPORARY SIGNALS

4 LANE ROADWAYS

MINIMUM POLE LENGTHS	CLASS	MIN. BURIAL DEPTHS
25'	V	5'
30'	V	6'
35'	IV	7'
40'	IV	8'
45'	IV	9'

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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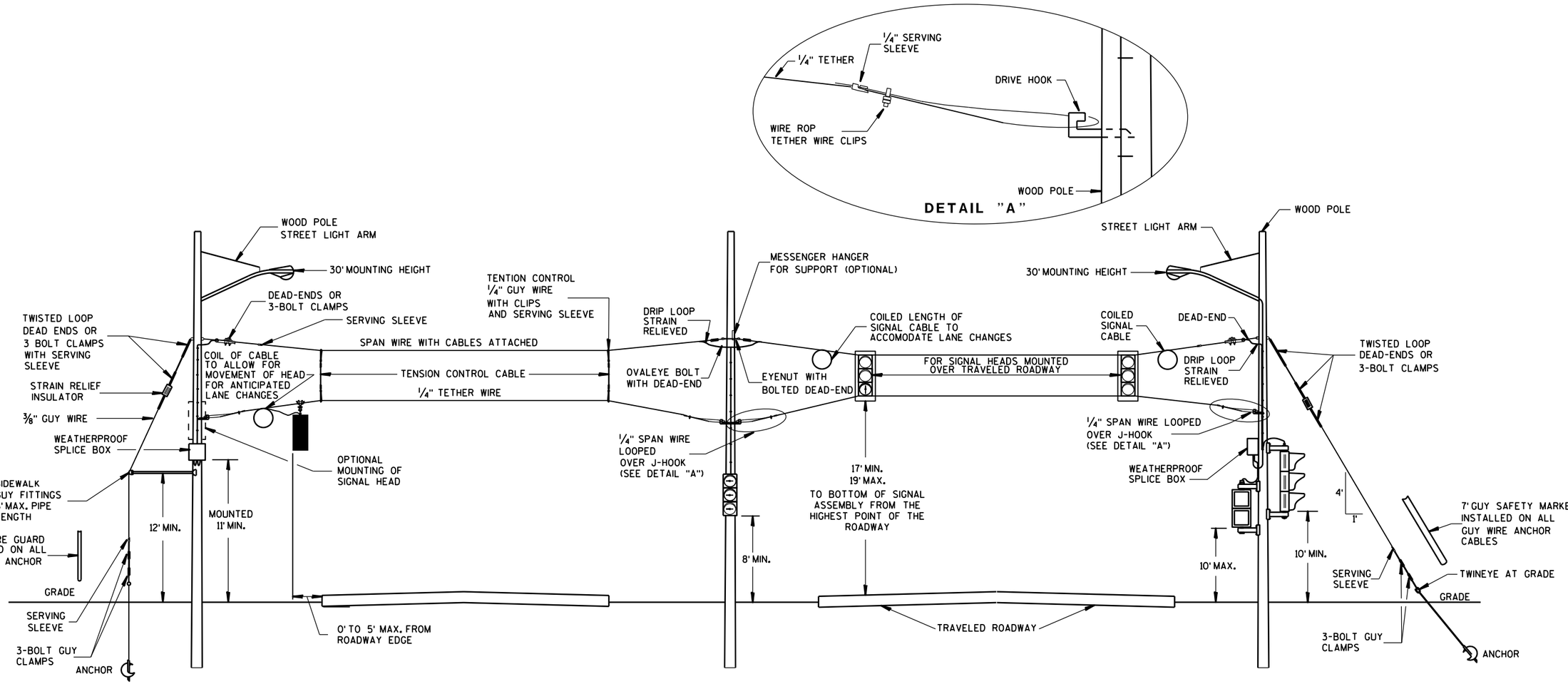
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S.D.D. 9 G 1-4b

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S.D.D. 9 G 1-4b

SDD 9g1-c Span Wire Temporary Traffic Signal



SPAN WIRE
TEMPORARY SIGNALS
4 LANE ROADWAYS

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

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   D. NEAR RIGHT SIGNAL FACE SUSPENDED ON THE TETHER (NO BACKPLATE) SHALL NOT BE OVER THE TRAVELED WAY. IF THE POLE IS WITHIN 5 FEET OF THE TRAVELED WAY MOUNT THE SIGNAL FACE ON THE WOOD POLE WITH BACKPLATE.
   E. FAR INDICATION SHALL BE MAINTAINED OVER CENTER OF TRAFFIC LANE.

3. SPAN WIRE:
   A. EACH SPAN WIRE SHALL BE INDIVIDUALLY DOWN GUYED.
   B. SIGNAL AND LIGHTING CABLES SHALL ONLY BE ATTACHED TO THE UPPER SPAN WIRE.
   C. THE SIGNAL ASSEMBY SHALL HAVE A 17' MIN. HEIGHT ABOVE THE ROADWAY. THIS SHALL BE MEASURED AFTER THE SPAN WIRE INSTALLATION IS COMPLETED WITH ALL CABLES AND SIGNAL FACES IN PLACE. MAINTAIN MINIMUM AND MAXIMUM HEIGHTS AS ROADWAY WORK PROGRESSES.

MINIMUM POLE LENGTHS	CLASS	MIN. BURIAL DEPTHS
25'	V	5'
30'	V	6'
35'	IV	7'
40'	IV	8'
45'	IV	9'

SPAN WIRE
TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

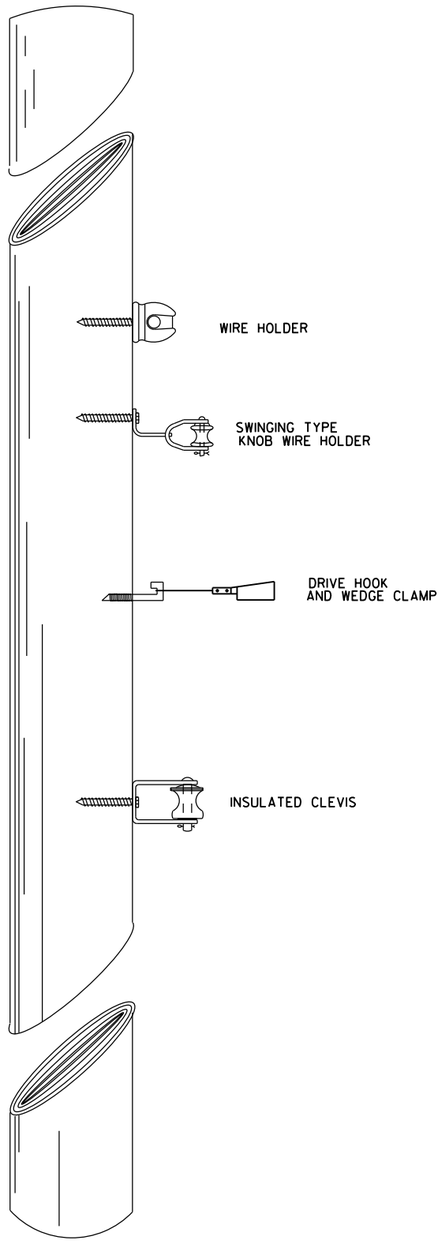
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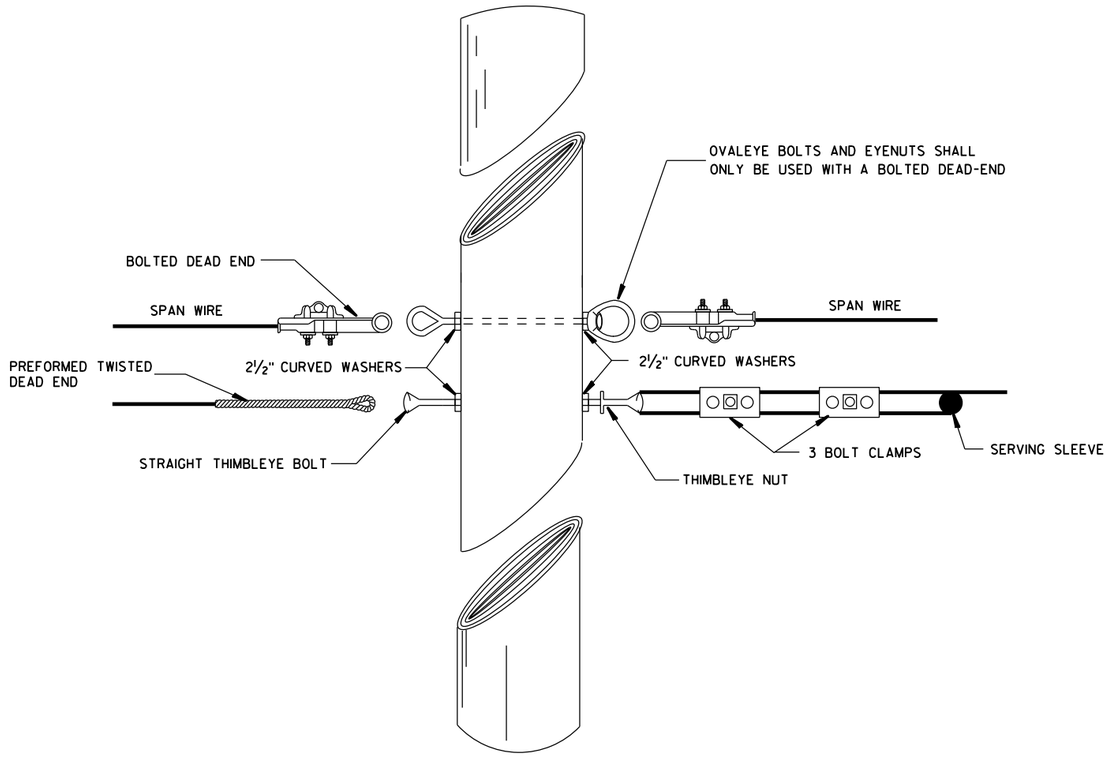
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S.D.D. 9 G 1-4c

SDD 9g1-d Span Wire Temporary Traffic Signal



TYPICAL CABLE HANGERS



TYPICAL DEAD-ENDING

SPAN WIRE
TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

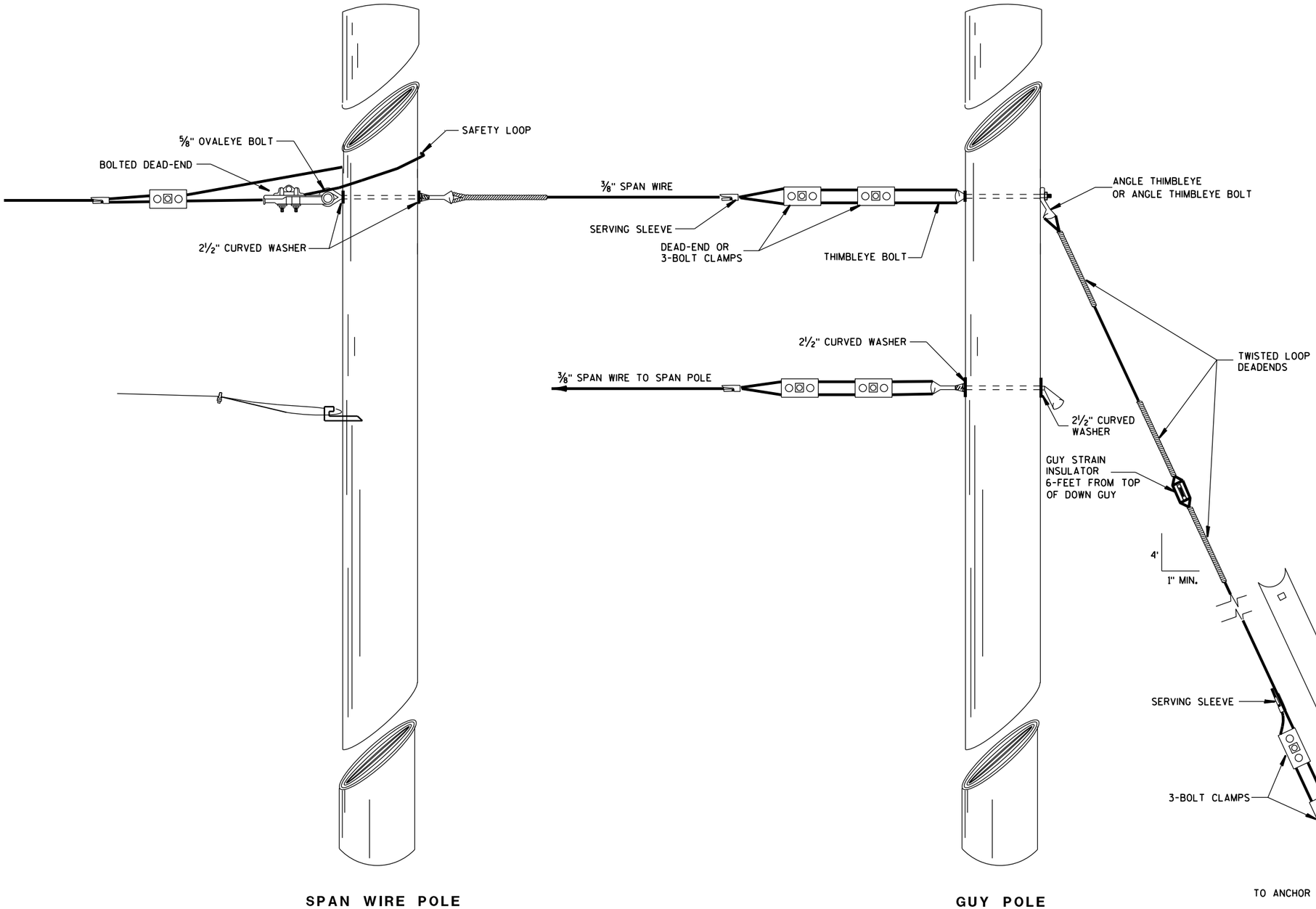
APPROVED
June, 2015
DATE
/S/ Ahmet Demirbilek
STATE ELECTI
FHWA

PRE_244

6

S.D.D. 9 G 1-4d

SDD 9g1-e Span Wire Temporary Traffic Signal



GENERAL NOTES

1. USE ¾" DRILL IN WOOD POLE TO PROVIDE HOLE FOR ⅝" BOLTS.
2. SAFTY LOOP REQUIRED ON EACH END OF ALL SPAN WIRES.

TYPICAL DEAD-ENDINGS OR GUYING

SPAN WIRE
TEMPORARY TRAFFIC SIGNAL

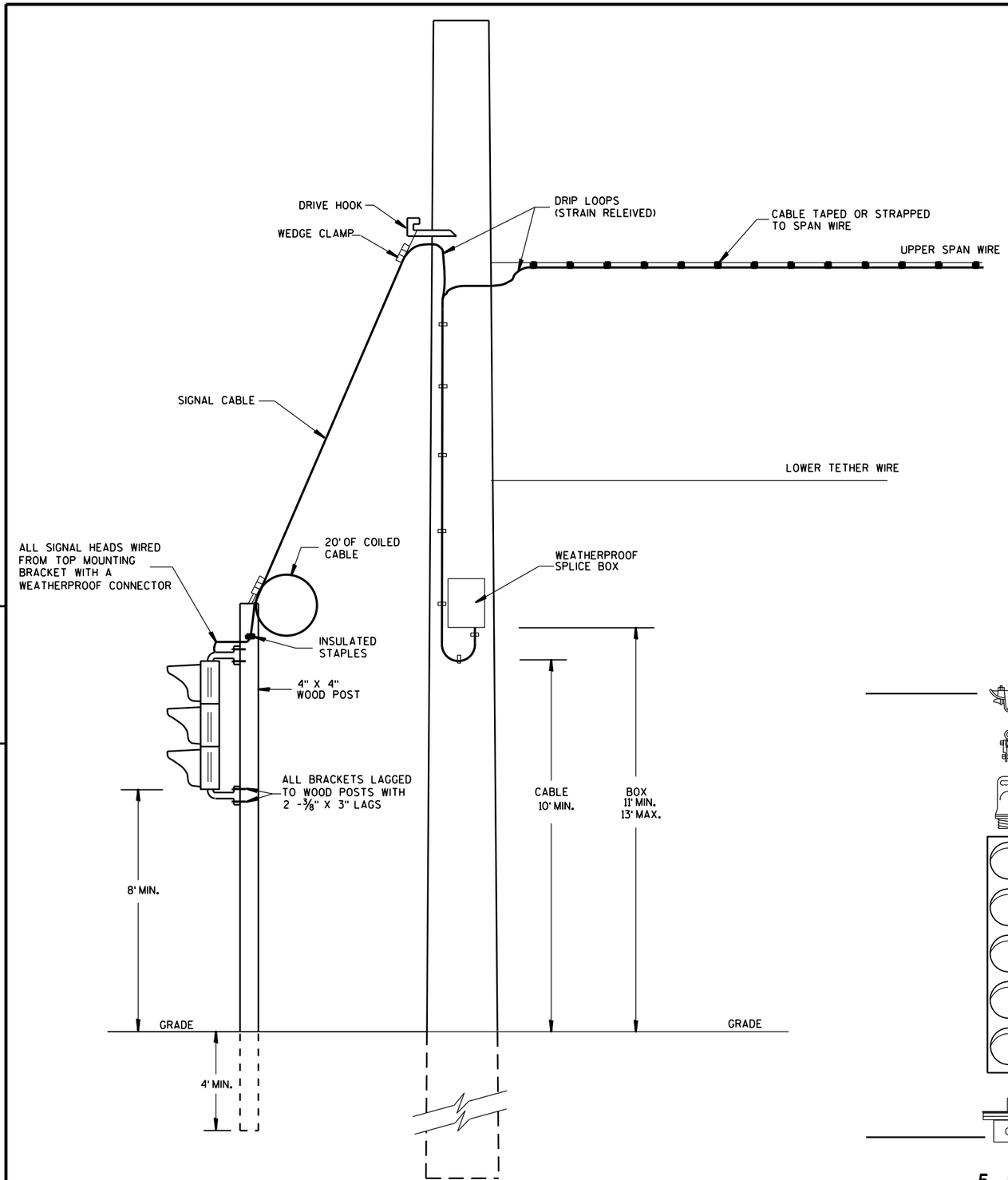
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June. 2015 — DATE
/S/ Ahmet Demirbilek — STATE ELECTI
FHWA

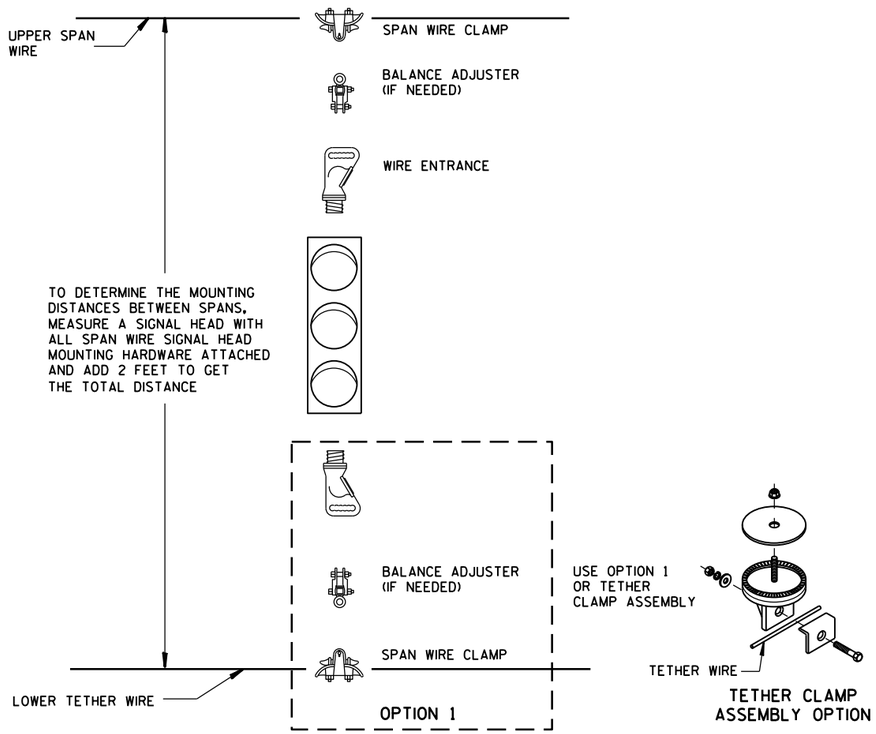
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S.D.D. 9 G 1-4e

SDD 9g1-f Span Wire Temporary Traffic Signal

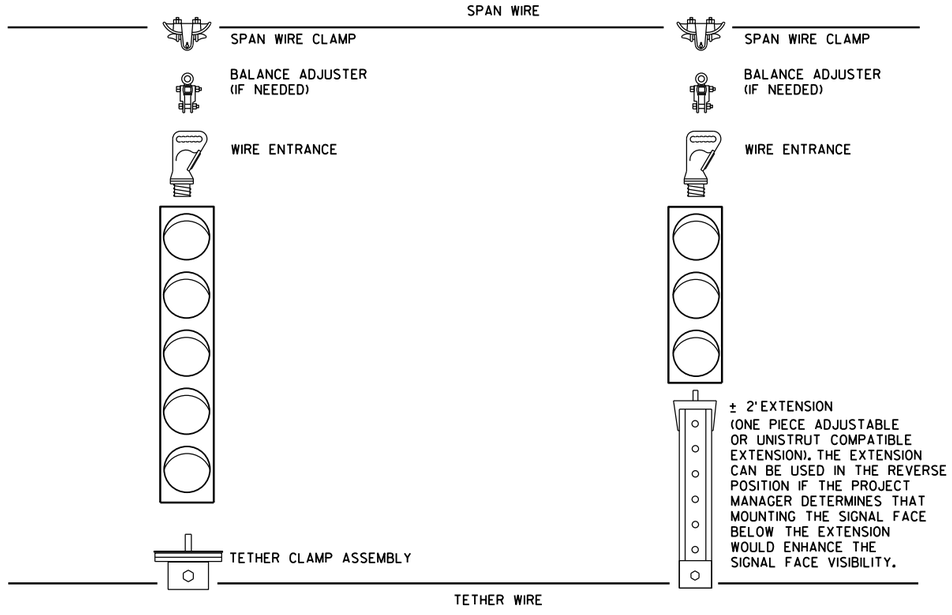


TYPICAL DROP TO TEMPORARY MOVEABLE SIGNAL



TETHER CLAMP ASSEMBLY OPTION

TYPICAL SPAN WIRE MOUNTING HARDWARE



5 SECTION VERTICAL WITH 3 SECTION VERTICAL ON ONE SPAN WIRE

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June. 2015 — DATE
/S/ Ahmet Demirbilek — STATE ELECTI
FHWA

PRE_246

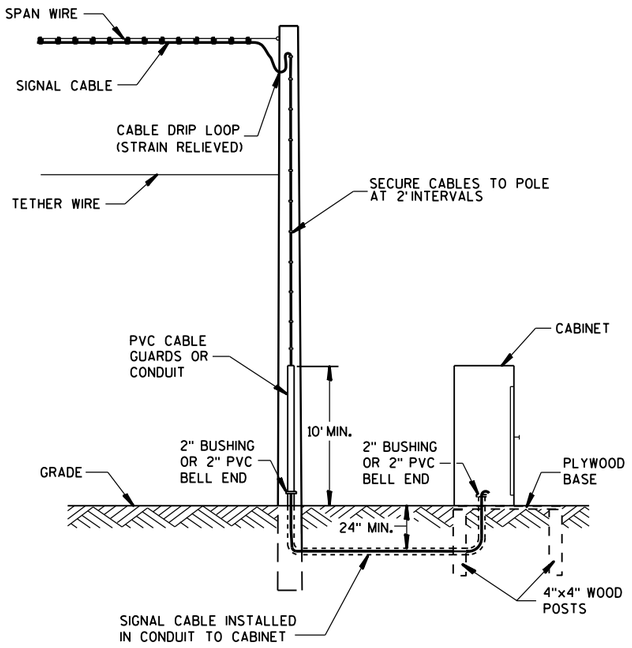
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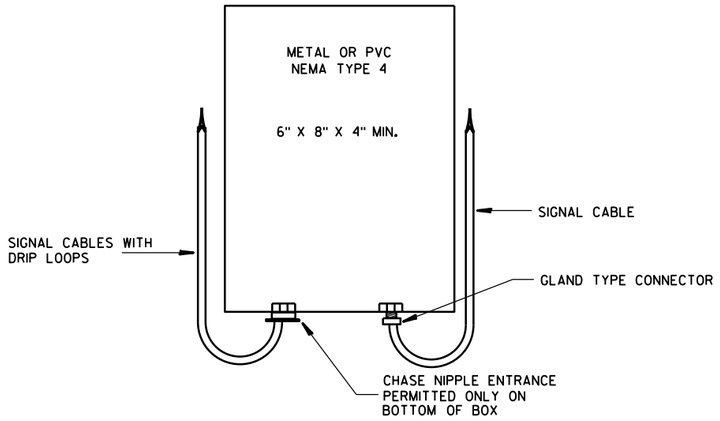
S.D.D. 9 G 1-4f

6

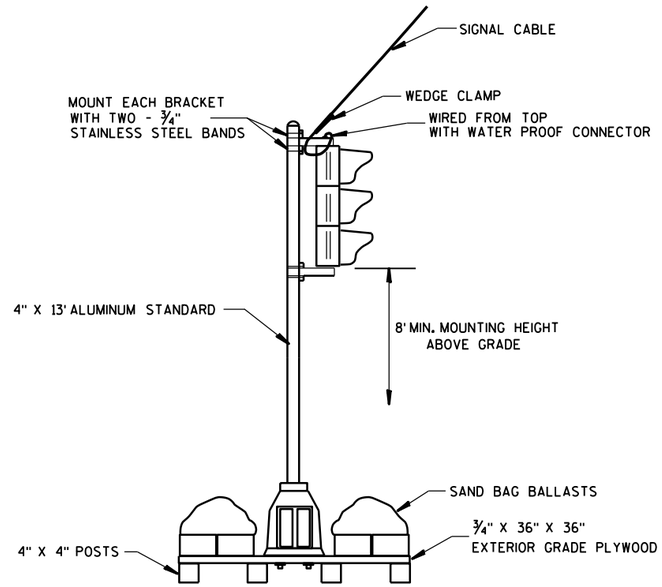
S.D.D. 9 G 1-4f

SDD 9g1-g Span Wire Temporary Traffic Signal

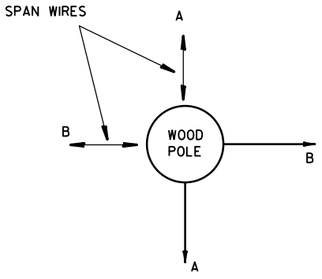




SPLICE BOX

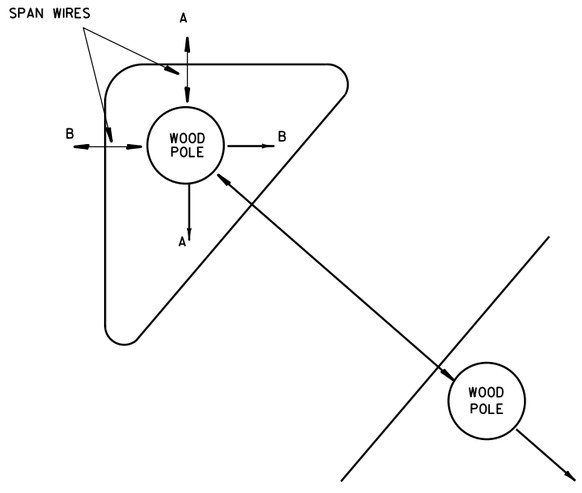


TYPICAL SKID TYPE TEMPORARY

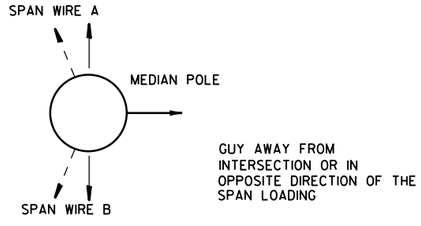


ALL DOWN OR SIDEWALK GUYS
SHALL BE INSTALLED IN THE
OPPOSITE DIRECTION OF THE
STRAIN OF THE SPAN WIRE

CORNER POLES



ISLAND POLES



MEDIAN POLES

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2015 — DATE
/S/ Ahmet Demirbilek — STATE ELECTI
FHWA

PRE_247

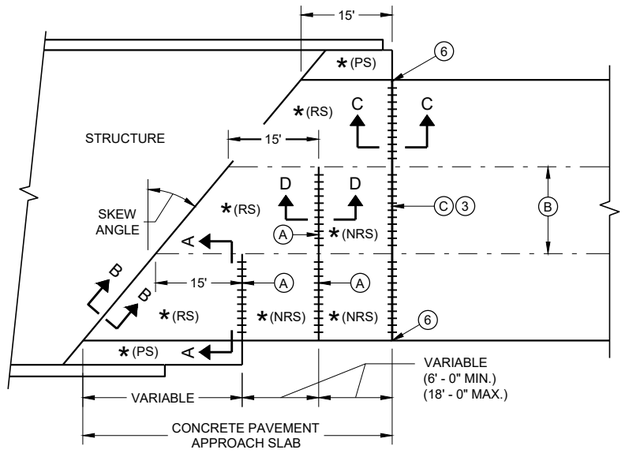
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S.D.D. 9 G 1-4g

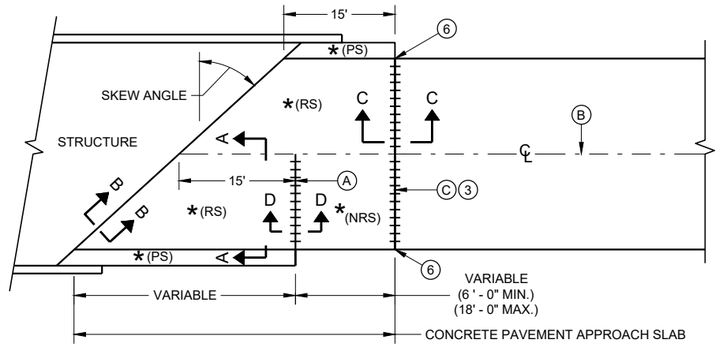
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S.D.D. 9 G 1-4g

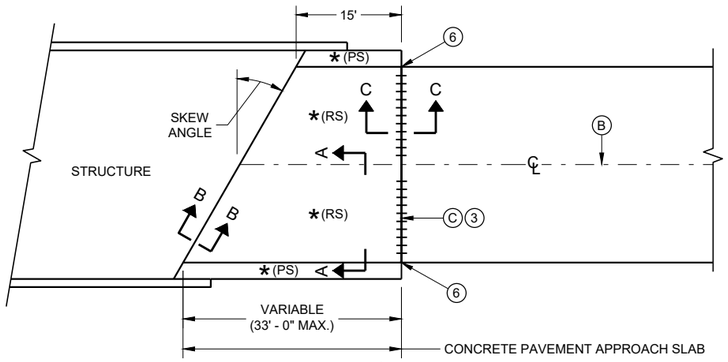
SDD 13B02-a Concrete Pavement Approach Slab



SKEWED APPROACH
(PAVEMENT MORE THAN TWO LANES)



SKEWS > 20°
(PAVEMENT WIDTH ≤ 30')



SKEWS ≤ 20°
(PAVEMENT WIDTH ≤ 30')

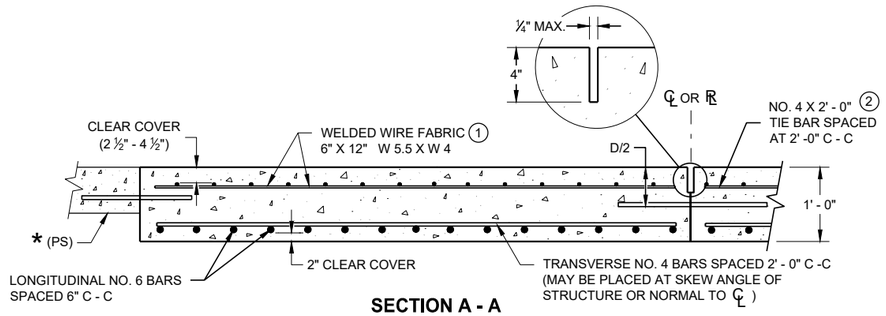
APPROACH SLAB AND ADJACENT PAVEMENT

* (RS) = REINFORCED CONCRETE SLAB

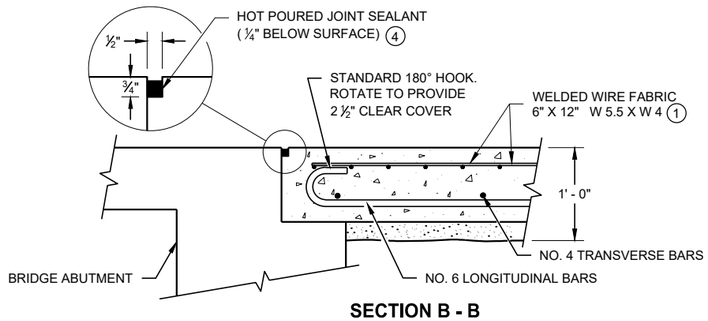
* (PS) = PAVED CONCRETE SHOULDER OR CONCRETE DRAINAGE SLAB

* (NRS) - NON - REINFORCED CONCRETE SLAB

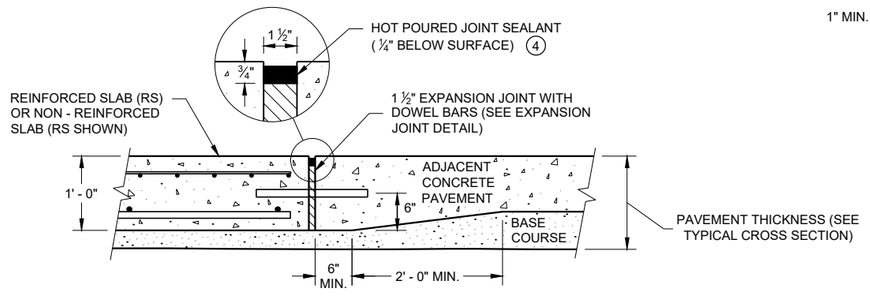
*** STANDARD DOWEL BAR DIAMETER (SEE SDD 13C11 AND SDD 13C13)



SECTION A - A
REINFORCEMENT POSITIONING DETAIL



SECTION B - B
BEND DETAIL
BOTTOM REINFORCEMENT



SECTION C - C
TRANSITION DETAIL
APPROACH SLAB TO ADJACENT PAVEMENT

GENERAL NOTES

THE CONTRACTOR MAY SPLICE NO. 6 BARS IN THE APPROACH SLAB FOR SKEWED STRUCTURES ONLY. STAGGER SPLICES WITH A MAXIMUM OF ONE SPLICE PER BAR. THE LENGTH OF LAP IS 20 INCHES.

TACK WELD DOWEL BARS TO THE BASKETS ON ALTERNATE ENDS.

(1) THE CONTRACTOR MAY USE NO. 4 BARS SPACED AT 2' - 0 " C - C IN BOTH THE LONGITUDINAL AND TRANSVERSE DIRECTIONS FOR TOP REINFORCEMENT AS AN ALTERNATIVE TO THE WELDED WIRE FABRIC.

(2) THE CONTRACTOR MAY OMIT THE BARS BETWEEN REINFORCED SLABS WHERE SLAB REINFORCEMENT BARS EXTEND ACROSS THE CENTERLINE OR REFERENCE LINE.

(3) DO NOT CONSTRUCT AN EXPANSION JOINT OR INSTALL DOWEL BARS WHEN ABUTTING AN HMA PAVEMENT.

(4) USE A JOINT SEALANT MEETING THE REQUIREMENTS OF ASTM D6690.

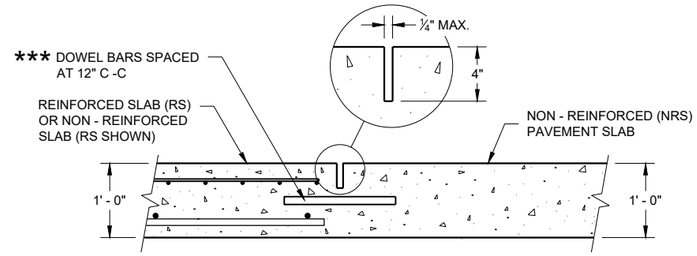
(5) PLACE EXPANSION CAP ON THE END OF THE DOWEL THAT IS NOT TACK WELDED TO THE BASKET. DO NOT FORCE DOWEL BAR PAST THE DOWEL STOP.

(6) EXTEND EXPANSION JOINT THROUGH ANY ADJACENT TIED CONCRETE.

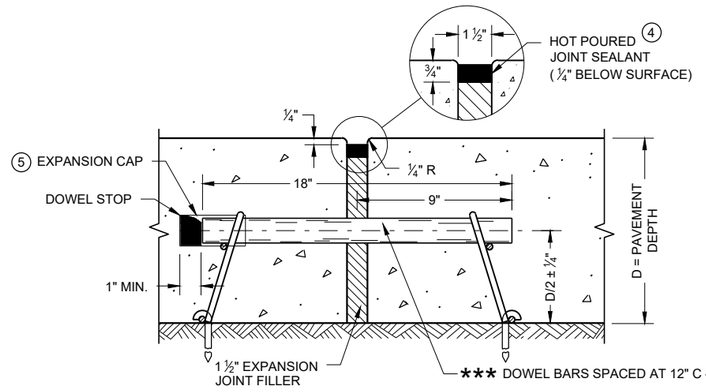
(A) STANDARD CONTRACTION JOINT NORMAL TO ℄ OR ℞.

(B) STANDARD LONGITUDINAL JOINT WITH TIE BARS.

(C) 1 ½" EXPANSION JOINT WITH DOWEL BARS NORMAL TO ℄ OR ℞



SECTION D - D
CONTRACTION JOINT



EXPANSION JOINT DETAIL

CONCRETE PAVEMENT APPROACH SLAB

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

/S/ Peter Kemp P.E.
PAVEMENT SUP

PRE_248

FHWA

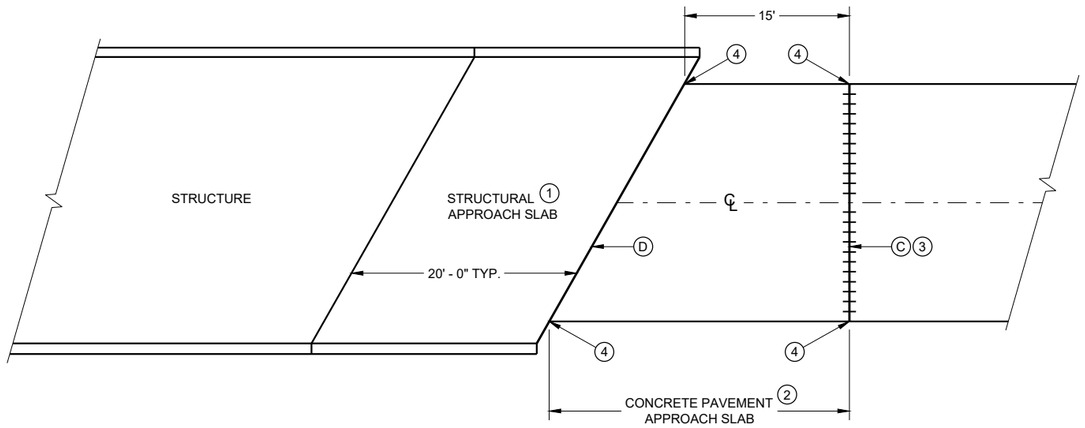
6

SDD 13B02 - 09a

6

SDD 13B02 - 09a

SDD 13B02-b Structural Approach Slab and Cocnrete Pavement Approach Slab



BRIDGE APPROACHES

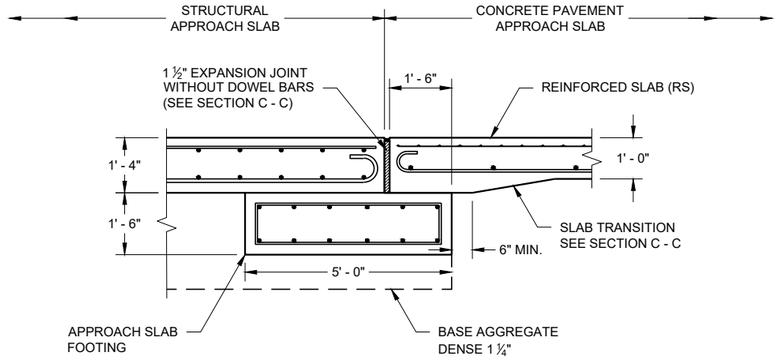
GENERAL NOTES

ALL PROJECTS THAT INVOLVE A STRUCTURAL APPROACH SLAB WILL ALSO HAVE A CONCRETE PAVEMENT APPROACH SLAB.

1. SEE BRIDGE PLAN.
2. CONFORM TO SDD 13B02 SHEET A FOR CONCRETE PAVEMENT APPROACH SLAB DETAILS
3. DO NOT CONSTRUCT AN EXPANSION JOINT OR INSTALL DOWEL BARS WHEN ABUTTING AN HMA PAVEMENT.
4. EXTEND EXPANSION JOINT THROUGH ANY ADJACENT TIED CONCRETE.

C. 1 ½" EXPANSION JOINT WITH DOWEL BARS NORMAL TO ℄ OR ℞.

D. 1 ½" EXPANSION JOINT (NO DOWELS)



SECTION E - E
FOOTING DETAIL
STRUCTURAL APPROACH SLAB TO CONCRETE BRIDGE APPROACH

STRUCTURAL APPROACH SLAB AND CONCRETE PAVEMENT APPROACH SLAB

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

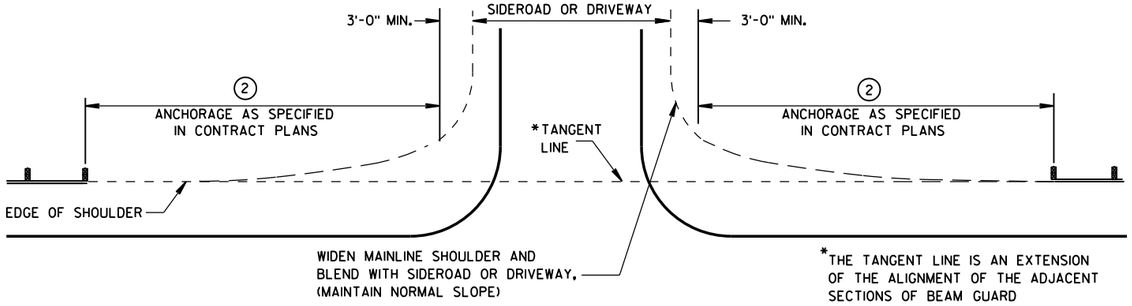
/S/ Peter Kemp P.E.
PAVEMENT SUP

PRE_249

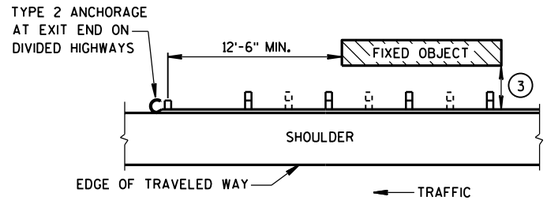
FHWA

6
SDD 13B02 - 09b

SDD 14b18-a Steel Plate Beam Guard, Class "A" (at Bridges, Obstacles and Sideroads/Driveways)



BEAM GUARD AT SIDEROADS OR DRIVEWAYS



BEAM GUARD AT OBSTACLES EXIT END - ONE WAY TRAFFIC

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE PERTINENT STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

W6 X 9 OR W6 X 8.5 STEEL POSTS WITH NOTCHED PLASTIC BLOCKOUTS ARE ACCEPTABLE ALTERNATIVES FOR 6" X 8" WOOD POSTS WITH WOOD OR PLASTIC BLOCKOUTS. USE APPROVED NOTCHED PLASTIC BLOCKOUTS WITH STEEL POSTS.

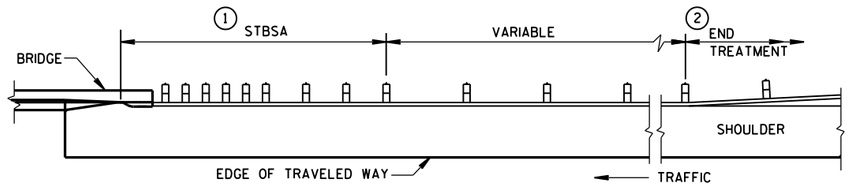
THE LOCATIONS AND LENGTHS OF BEAM GUARD ARE SHOWN ELSEWHERE IN THE PLAN.

(1) STEEL THRIE BEAM STRUCTURAL APPROACH (STBSA) - SEE CURRENT SDD 14B20.

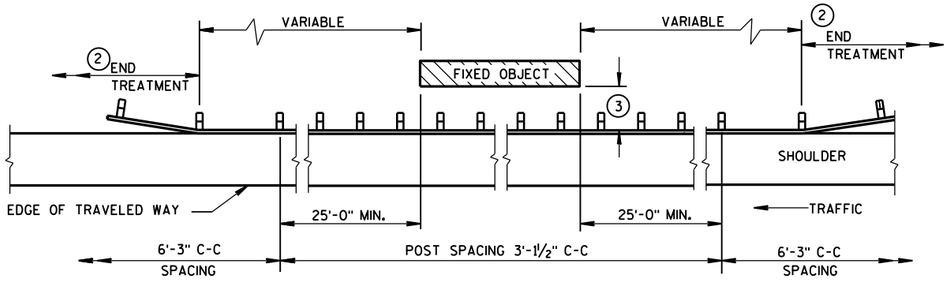
(2) USE AN APPROVED END TREATMENT FOR THE TRAFFIC APPROACH SIDE OF BRIDGE/OBSTACLES. USE TYPE 2 ANCHORAGE ONLY AT THE DOWNSTREAM ENDS OF BEAM GUARD LOCATED ALONG ROADWAYS WITH ONE WAY TRAFFIC.

(3)

MINIMUM LATERAL DISTANCE FROM FACE OF BEAM GUARD TO FIXED OBJECT	POST SPACING
3'-6"	3' - 1½"
4'-6"	6' - 3"

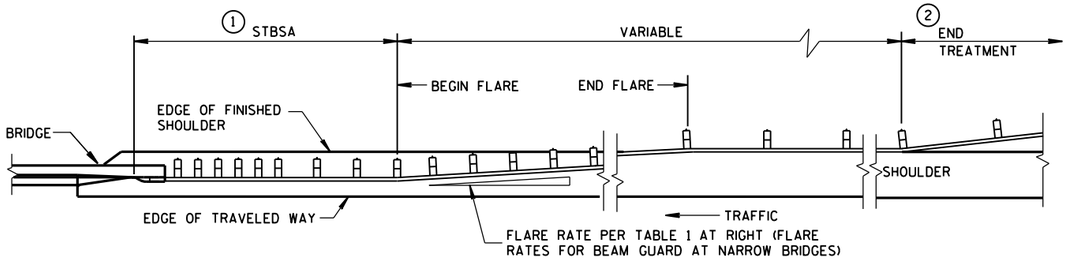


BEAM GUARD AT FULL WIDTH BRIDGES



BEAM GUARD AT OBSTACLES - TWO WAY TRAFFIC

(RAIL TO OBSTACLE CLEARANCE 3'-6" TO 4'-6")



BEAM GUARD AT NARROW BRIDGES

(FLARED TO SHOULDER EDGE, THEN PARALLEL TO ROADWAY)

TABLE 1
FLARE RATES FOR BEAM GUARD AT NARROW BRIDGES

POSTED SPEED (MPH)	FLARE RATE
25	13:1
30	15:1
35	16:1
40	18:1
45	21:1
50	24:1
55	26:1
65	30:1

STEEL PLATE BEAM GUARD CLASS "A" AT BRIDGES, OBSTACLES AND SIDEROADS/DRIVEWAYS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

8-21-07
DATE

/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER

FHWA

PRE_250

6

S.D.D. 14 B 18-6a

6

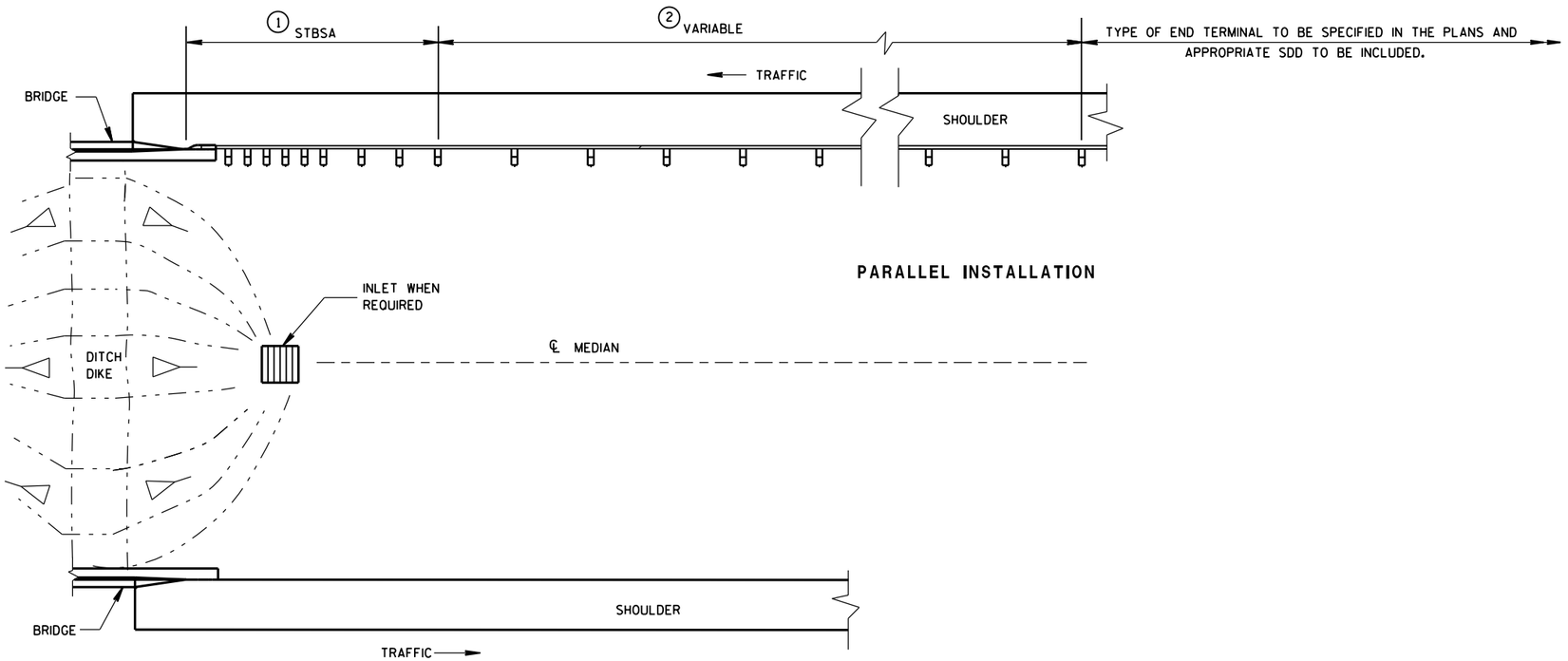
S.D.D. 14 B 18-6a

SDD 14b18-b Steel Plate Beam Guard, Class "A" at Median Approach to Bridges at Median Piers and Sign Supports

GENERAL NOTES

(1) STEEL THRIE BEAM STRUCTURAL APPROACH (STBSA) - SEE CURRENT SDD 14B20.

(2) LOCATIONS AND LENGTHS OF BEAM GUARD ARE SHOWN ELSEWHERE IN THE PLAN.



PARALLEL INSTALLATION

BEAM GUARD AT MEDIAN APPROACH TO BRIDGES

STEEL PLATE BEAM GUARD CLASS "A" AT MEDIAN APPROACH TO BRIDGES	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED	
8-21-07 DATE	/S/ Jerry H. Zogg ROADWAY STANDARDS ENGINEER
FHWA	

PRE_251

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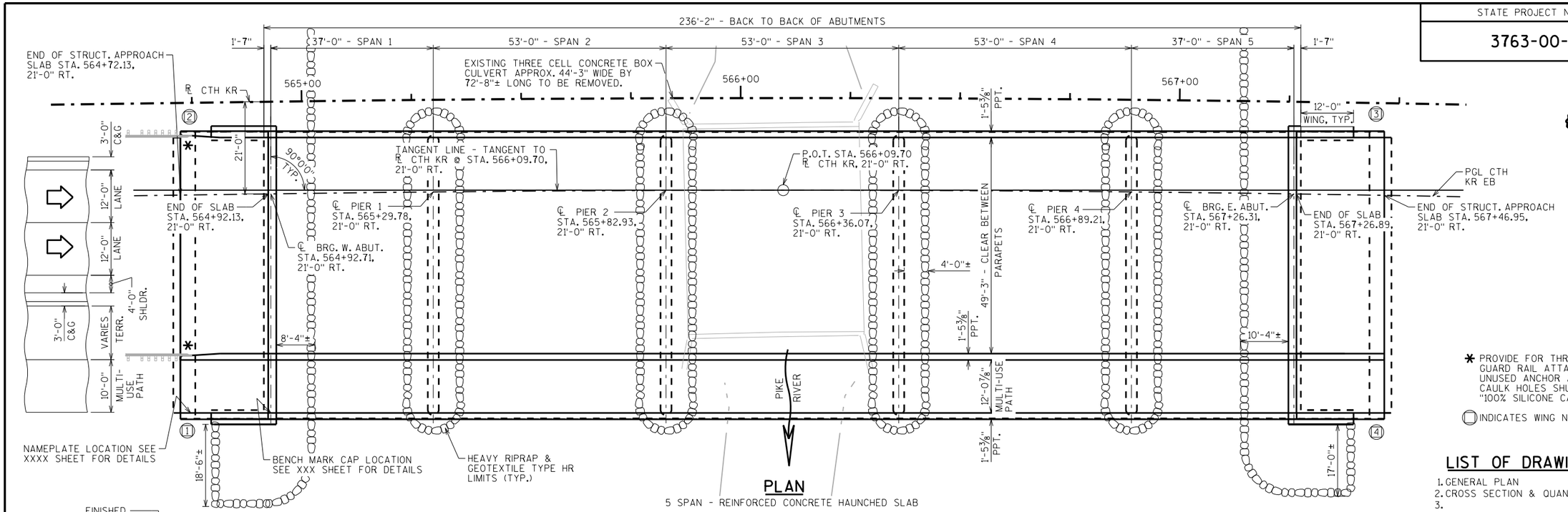
S.D.D. 14 B 18-6b

6

S.D.D. 14 B 18-6b

STATE PROJECT NUMBER

3763-00-74



PLAN

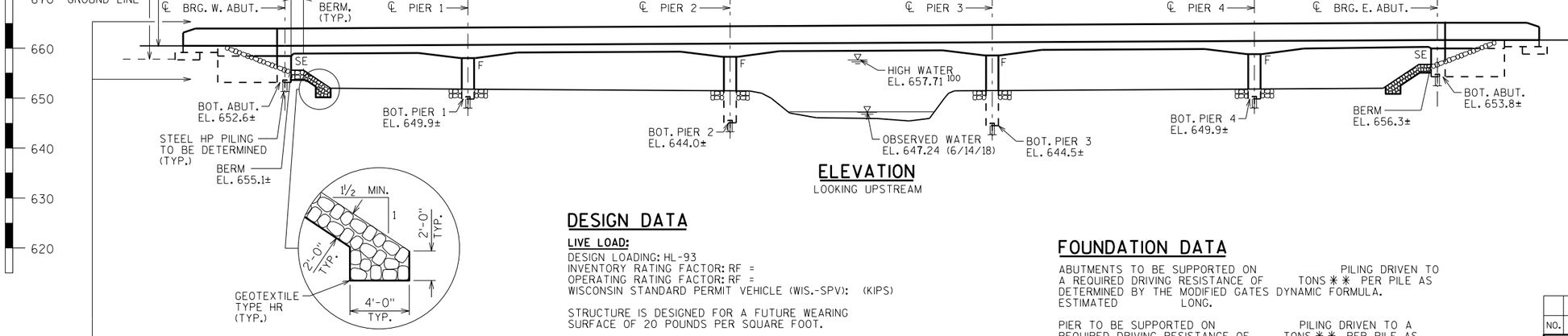
5 SPAN - REINFORCED CONCRETE HAUNCHED SLAB

✱ PROVIDE FOR THRIE BEAM GUARD RAIL ATTACHMENT. AT UNUSED ANCHOR ASSEMBLIES CAULK HOLES SHUT WITH "100% SILICONE CAULK".

(#) INDICATES WING NUMBER

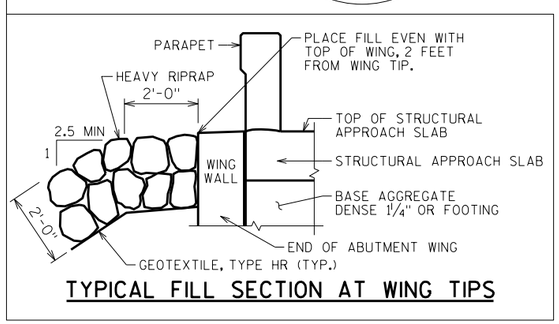
LIST OF DRAWINGS

1. GENERAL PLAN
2. CROSS SECTION & QUANTITIES
3.
4.
5.
6.
7.
8.
9.
10.
11.
12.
13.
14.
15.



ELEVATION

LOOKING UPSTREAM



TYPICAL FILL SECTION AT WING TIPS

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: RF =
OPERATING RATING FACTOR: RF =
WISCONSIN STANDARD PERMIT VEHICLE (WIS.-SPV): (KIPS)

STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 POUNDS PER SQUARE FOOT.

MATERIAL PROPERTIES:

CONCRETE MASONRY:
SUPERSTRUCTURE & STRUCTURAL APPROACH SLAB — f'c = 4,000 P.S.I.
ALL OTHER — f'c = 3,500 P.S.I.

BAR STEEL REINFORCEMENT:
GRADE 60 — fy = 60,000 P.S.I.
STAINLESS, GRADE 60 — fy = 60,000 P.S.I.

HYDRAULIC DATA

100 YEAR FREQUENCY

Q_{100} = 2840 C.F.S.
VEL.$_{100}$ = 2.1 F.P.S.
HW.$_{100}$ = EL. 657.71
WATERWAY AREA = 1365 SQ. FT.
DRAINAGE AREA = 17.5 SQ. MI.
ROADWAY OVERTOPPING = N/A
SCOUR CRITICAL CODE = 8

2 YEAR FREQUENCY

Q_2 = 1130 C.F.S.
VEL.$_2$ = 1.3 F.P.S.
HW.$_2$ = EL. 655.46

FOUNDATION DATA

ABUTMENTS TO BE SUPPORTED ON PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF TONS ✱✱ PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA. ESTIMATED LONG.

PIER TO BE SUPPORTED ON PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF TONS ✱✱ PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA. ESTIMATED LONG.

✱✱ THE FACTORED AXIAL RESISTANCE OF PILES IN COMPRESSION USED FOR DESIGN IS THE REQUIRED DRIVING RESISTANCE MULTIPLIED BY A RESISTANCE FACTOR OF 0.5 USING MODIFIED GATES TO DETERMINE DRIVEN PILE CAPACITY.

CURVE DATA

℄ CTH KR

P.I. = 565+02.43
Δ = 2°12'44"
D = 0°42'58"
T = 154.46
L = 308.88
R = 8000
P.C. = 566+56.89
P.T. = 568+11.31

TRAFFIC VOLUME

CTH KR EB

ADT = 18,000 (2042)
R.D.S. = 50 M.P.H.

STRUCTURE DESIGN CONTACTS:

STACIE WEIS (608) 261-6109
AARON BONK (608) 261-0261

NO.	DATE	REVISION	BY

BUREAU OF STRUCTURES

ACCEPTED _____ _____
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-30-143

CTH KR EB OVER PIKE RIVER

COUNTY	VILLAGE
RACINE/KENOSHA	MOUNT PLEASANT

DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGNED CK'D.	DRAWN BY	PLANS CK'D.
SEW	EMK	SEW	

SHEET 1 OF 2

GENERAL PLAN

PRE_252

I.D. 3763-00-04E DATE: AUG. 2019

SCALE = 12.00

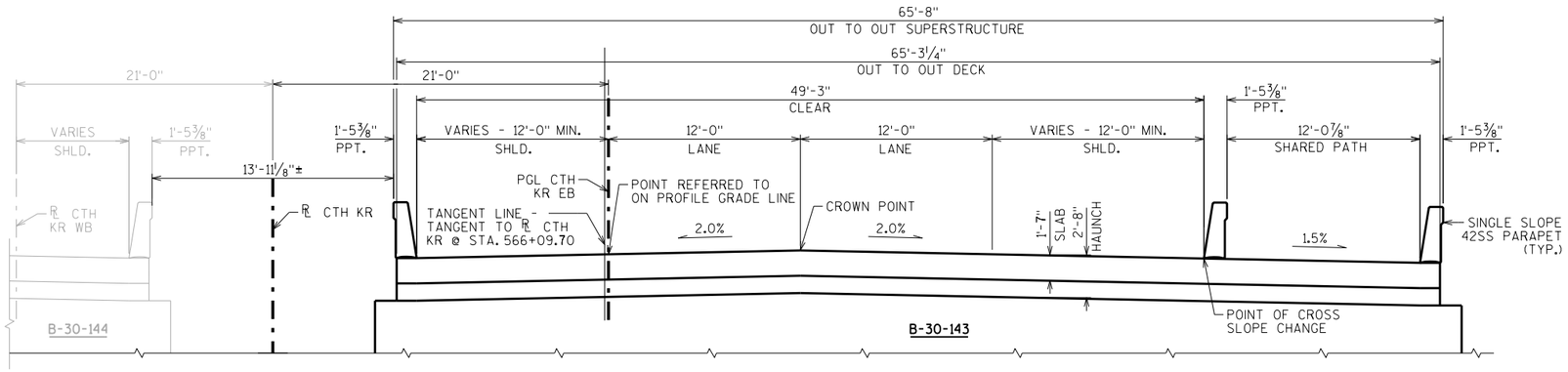
PRELIMINARY

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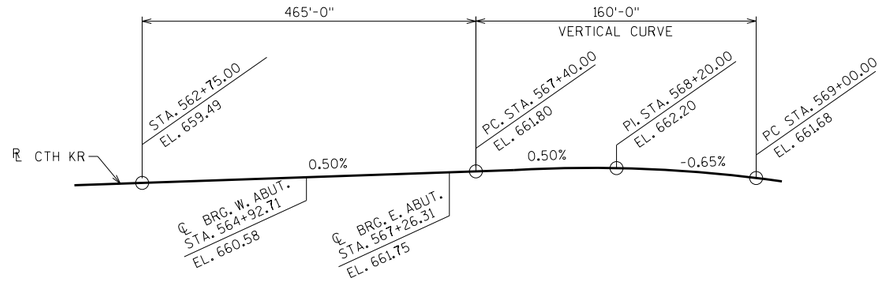
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STATE PROJECT NUMBER

3763-00-74



CROSS SECTION THRU ROADWAY - LOOKING EAST



PROFILE GRADE LINE - CTH KR EB/WB

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	SUPER.	W. STRUCT. APP. SLAB	WEST ABUT.	PIER 1	PIER 2	PIER 3	PIER 4	EAST ABUT.	E. STRUCT. APP. SLAB	TOTALS
203.0200	REMOVING OLD STRUCTURE STA. 366+00.00	LS	——	——	——	——	——	——	——	——	——	1
206.1000	EXCAVATION FOR STRUCTURES BRIDGES B-30-143	LS	——	——	——	——	——	——	——	——	——	1
210.1500	BACKFILL STRUCTURE TYPE A	TON										
305.0120	BASE AGGREGATE DENSE 1 1/4-INCH	TON										
501.1000.S	ICE HOT WEATHER CONCRETING	LB										
502.0100	CONCRETE MASONRY BRIDGES	CY										
502.3200	PROTECTIVE SURFACE TREATMENT	SY										
502.3210	PIGMENTED SURFACE SEALER	SY										
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB										
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB										
505.0800.S	BAR STEEL REINFORCEMENT HS STAINLESS STRUCTURES	LB										
550.XXXX	PILING STEEL	LF										
604.0500	SLOPE PAVING CRUSHED AGGREGATE	SY										
606.0300	RIPRAP HEAVY	CY										
612.0106	PIPE UNDERDRAIN 6-INCH	LF										
614.0150	ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD	EACH										
645.0120	GEOTEXTILE TYPE HR	SY										
	NON-BID ITEMS											
	FILLER	SIZE	——	——	——	——	——	——	——	——	——	½", ¾", 1½"

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BEVEL EXPOSED EDGES OF CONCRETE ¾" UNLESS OTHERWISE NOTED.

AT THE BACK FACE OF ABUTMENT ALL VOLUME WHICH CANNOT BE PLACED BEFORE ABUTMENT CONSTRUCTION AND IS NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL TYPE A. ALSO EXCLUDED IS THE "BASE AGGREGATE DENSE 1 1/4-INCH" AS DETAILED ON THE STRUCTURAL APPROACH SLAB SHEETS.

THE QUANTITY FOR BACKFILL STRUCTURE IS CALCULATED BASED ON THE DETAIL SHOWN IN THE PLANS.

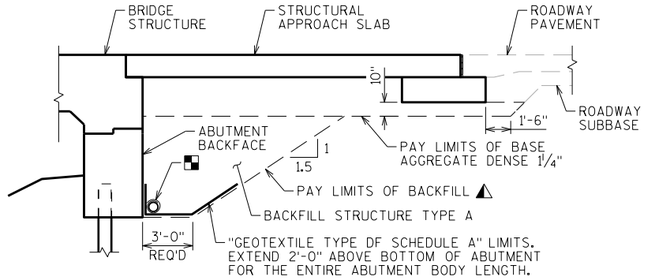
PROTECTIVE SURFACE TREATMENT TO BE APPLIED TO THE ENTIRE EXPOSED TOP OF DECK AND APPROACH SLAB SURFACES AND TO THE VERTICAL AND HORIZONTAL SURFACES OF THE PAVING NOTCHES AT ABUTMENT DIAPHRAGMS.

PIGMENTED SURFACE SEALER TO BE APPLIED TO THE FRONT FACE AND THE TOP OF THE PARAPETS, INCLUDING PARAPETS ON APPROACH SLABS.

THE SLOPE OF THE FILL IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH HEAVY RIPRAP AND GEOTEXTILE TYPE "HR" TO THE EXTENT SHOWN ON SHEET 1 AND THE ABUTMENT DETAILS.

THE EXISTING STREAM BED SHALL BE USED AS THE UPPER LIMITS OF EXCAVATION AT THE PIERS.

AT ABUTMENTS AND PIERS, CONCRETE POURED UNDER WATER WILL BE ALLOWED AND SHALL BE DONE IN ACCORDANCE WITH SECTION 502.3.5.3 OF THE STANDARD SPECIFICATIONS.



TYPICAL SECTION THRU ABUTMENT

◭ BACKFILL PAY LIMITS. BACKFILL BEYOND BACKFILL PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.

▪ PIPE UNDERDRAIN WRAPPED (6 INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. ATTACH RODENT SHIELD AT ENDS OF PIPE UNDERDRAIN.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-30-143

DRAWN BY SEW | PLANS CK'D.

CROSS SECTION & QUANTITIES

SHEET 2

PRE_253

PRELIMINARY

SCALE = 4.50

8

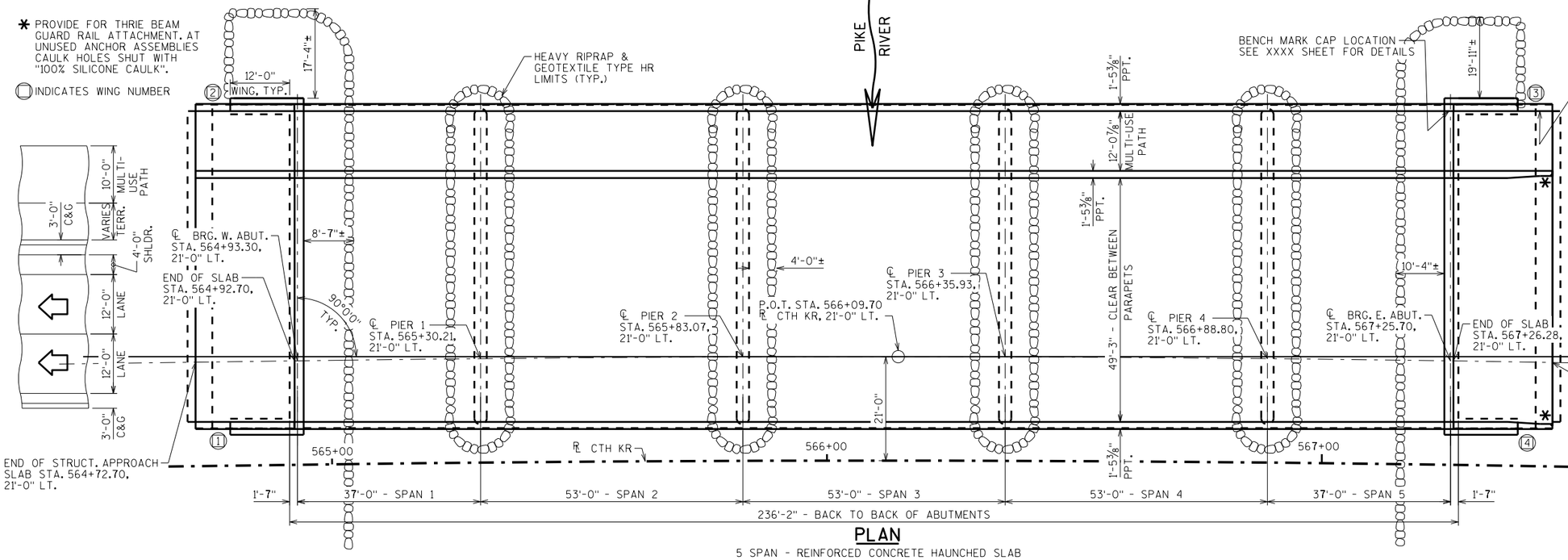
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STATE PROJECT NUMBER

3763-00-74

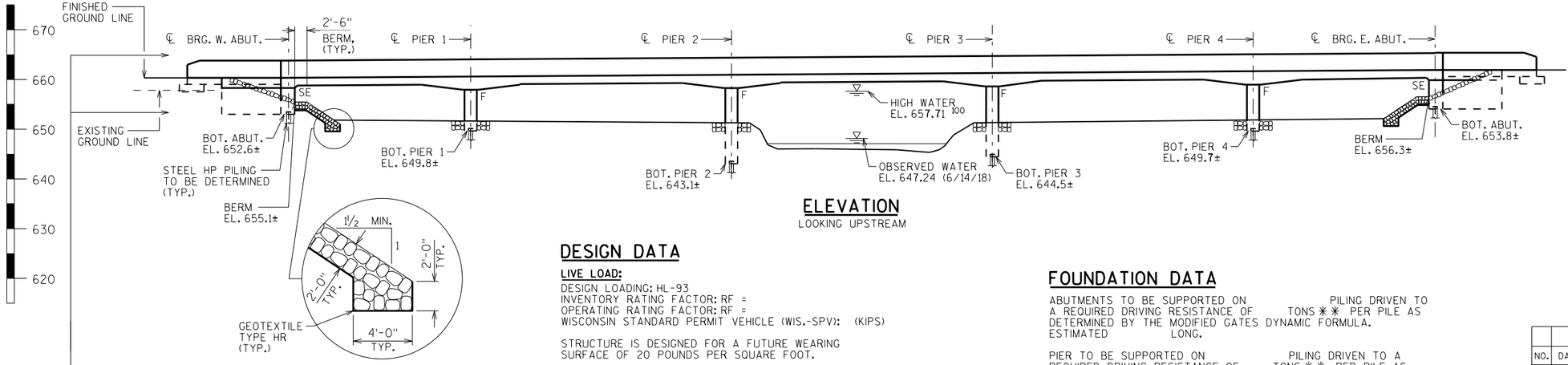
* PROVIDE FOR THRIE BEAM GUARD RAIL ATTACHMENT. AT UNUSED ANCHOR ASSEMBLIES CAULK HOLES SHUT WITH "100% SILICONE CAULK".

(2) INDICATES WING NUMBER



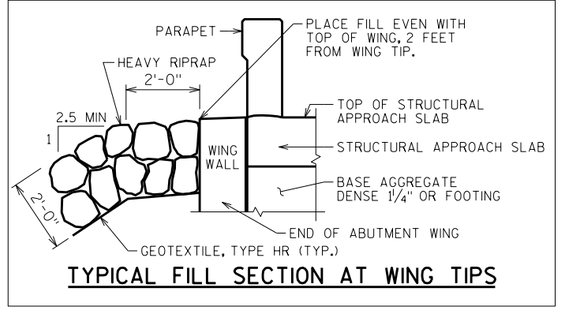
PLAN

5 SPAN - REINFORCED CONCRETE HAUNCHED SLAB



ELEVATION

LOOKING UPSTREAM



TYPICAL FILL SECTION AT WING TIPS

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: RF =
OPERATING RATING FACTOR: RF =
WISCONSIN STANDARD PERMIT VEHICLE (WIS.-SPV): (KIPS)

STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 POUNDS PER SQUARE FOOT.

MATERIAL PROPERTIES:

CONCRETE MASONRY:
SUPERSTRUCTURE & STRUCTURAL APPROACH SLAB — f'c = 4,000 P.S.I.
ALL OTHER — f'c = 3,500 P.S.I.

BAR STEEL REINFORCEMENT:
GRADE 60 — fy = 60,000 P.S.I.
STAINLESS, GRADE 60 — fy = 60,000 P.S.I.

HYDRAULIC DATA

100 YEAR FREQUENCY

Q_{100} = 2840 C.F.S.
VEL.$_{100}$ = 2.1 F.P.S.
HW.$_{100}$ = EL. 657.71
WATERWAY AREA = 1365 SQ. FT.
DRAINAGE AREA = 17.5 SQ. MI.
ROADWAY OVERTOPPING = N/A
SCOUR CRITICAL CODE = 8

2 YEAR FREQUENCY

Q_2 = 1130 C.F.S.
VEL.$_2$ = 1.3 F.P.S.
HW.$_2$ = EL. 655.46

FOUNDATION DATA

ABUTMENTS TO BE SUPPORTED ON PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF TONS ** PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA.
ESTIMATED LONG.

PIER TO BE SUPPORTED ON PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF TONS ** PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA.
ESTIMATED LONG.

** THE FACTORED AXIAL RESISTANCE OF PILES IN COMPRESSION USED FOR DESIGN IS THE REQUIRED DRIVING RESISTANCE MULTIPLIED BY A RESISTANCE FACTOR OF 0.5 USING MODIFIED GATES TO DETERMINE DRIVEN PILE CAPACITY.

CURVE DATA

℄ CTH KR

P.I. = 565+02.43
Δ = 2°12'44"
D = 0°42'58"
T = 154.46
L = 308.88
R = 8000
P.C. = 566+56.89
P.T. = 568+11.31

TRAFFIC VOLUME

CTH KR WB

ADT = 18,000 (2042)
R.D.S. = 50 M.P.H.

LIST OF DRAWINGS

1. GENERAL PLAN
2. CROSS SECTION & QUANTITIES
3.
4.
5.
6.
7.
8.
9.
10.
11.
12.
13.
14.
15.

STRUCTURE DESIGN CONTACTS:

STACIE WEIS (608) 261-6109
AARON BONK (608) 261-0261

NO.	DATE	REVISION	BY

WISCONSIN DEPARTMENT OF TRANSPORTATION — BUREAU OF STRUCTURES

ACCEPTED _____ _____
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-30-144

CTH KR WB OVER PIKE RIVER

COUNTY	VILLAGE
RACINE/KENOSHA	MOUNT PLEASANT

DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGNED CK'D.	DRAWN BY	PLANS CK'D.
SEW	EMK	SEW	

GENERAL PLAN

SHEET 1 OF 2

PRE_254

PRELIMINARY

I.D. 3763-00-04F DATE: AUG. 2019

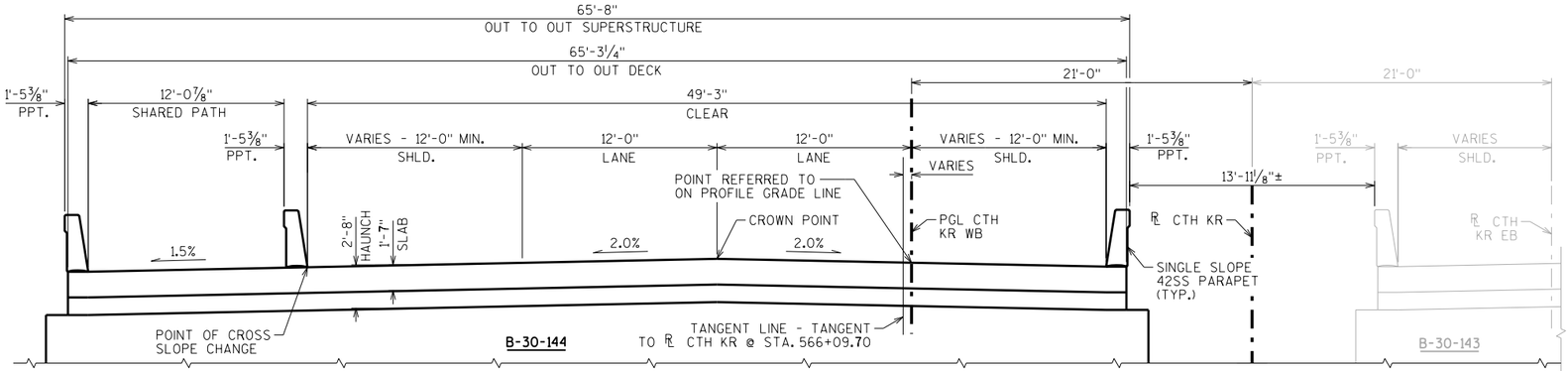
SCALE = 12.00

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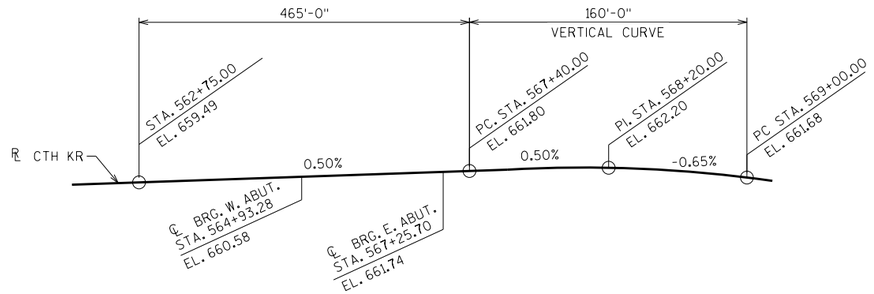
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STATE PROJECT NUMBER

3763-00-74



CROSS SECTION THRU ROADWAY - LOOKING EAST



PROFILE GRADE LINE - CTH KR EB/WB

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	SUPER.	W. STRUCT. APP. SLAB	WEST ABUT.	PIER 1	PIER 2	PIER 3	PIER 4	EAST ABUT.	E. STRUCT. APP. SLAB	TOTALS
206.1000	EXCAVATION FOR STRUCTURES BRIDGES B-30-144	LS	———	———	———	———	———	———	———	———	———	1
210.1500	BACKFILL STRUCTURE TYPE A	TON										
305.0120	BASE AGGREGATE DENSE 1 1/4-INCH	TON										
501.1000.S	ICE HOT WEATHER CONCRETING	LB										
502.0100	CONCRETE MASONRY BRIDGES	CY										
502.3200	PROTECTIVE SURFACE TREATMENT	SY										
502.3210	PIGMENTED SURFACE SEALER	SY										
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB										
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB										
505.0800.S	BAR STEEL REINFORCEMENT HS STAINLESS STRUCTURES	LB										
550.XXXX	PILING STEEL	LF										
604.0500	SLOPE PAVING CRUSHED AGGREGATE	SY										
606.0300	RIPRAP HEAVY	CY										
612.0106	PIPE UNDERDRAIN 6-INCH	LF										
614.0150	ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD	EACH										
614.0111	GEOTEXTILE TYPE DF SCHEDULE A	SY										
645.0120	GEOTEXTILE TYPE HR	SY										
	NON-BID ITEMS											
	FILLER	SIZE	———	———	———	———	———	———	———	———	———	½", ¾", 1½"

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BEVEL EXPOSED EDGES OF CONCRETE ¾" UNLESS OTHERWISE NOTED.

AT THE BACK FACE OF ABUTMENT ALL VOLUME WHICH CANNOT BE PLACED BEFORE ABUTMENT CONSTRUCTION AND IS NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL TYPE A. ALSO EXCLUDED IS THE "BASE AGGREGATE DENSE 1 1/4-INCH" AS DETAILED ON THE STRUCTURAL APPROACH SLAB SHEETS.

THE QUANTITY FOR BACKFILL STRUCTURE IS CALCULATED BASED ON THE DETAIL SHOWN IN THE PLANS.

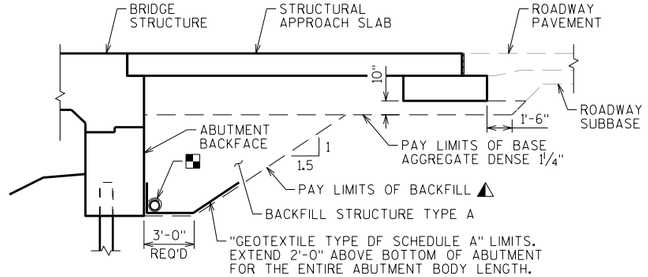
PROTECTIVE SURFACE TREATMENT TO BE APPLIED TO THE ENTIRE EXPOSED TOP OF DECK AND APPROACH SLAB SURFACES AND TO THE VERTICAL AND HORIZONTAL SURFACES OF THE PAVING NOTCHES AT ABUTMENT DIAPHRAGMS.

PIGMENTED SURFACE SEALER TO BE APPLIED TO THE FRONT FACE AND THE TOP OF THE PARAPETS, INCLUDING PARAPETS ON APPROACH SLABS.

THE SLOPE OF THE FILL IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH HEAVY RIPRAP AND GEOTEXTILE TYPE "HR" TO THE EXTENT SHOWN ON SHEET 1 AND THE ABUTMENT DETAILS.

THE EXISTING STREAM BED SHALL BE USED AS THE UPPER LIMITS OF EXCAVATION AT THE PIERS.

AT ABUTMENTS AND PIERS, CONCRETE POURED UNDER WATER WILL BE ALLOWED AND SHALL BE DONE IN ACCORDANCE WITH SECTION 502.3.5.3 OF THE STANDARD SPECIFICATIONS.



TYPICAL SECTION THRU ABUTMENT

⚠ BACKFILL PAY LIMITS. BACKFILL BEYOND BACKFILL PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.

▪ PIPE UNDERDRAIN WRAPPED (6 INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. ATTACH RODENT SHIELD AT ENDS OF PIPE UNDERDRAIN.

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-30-144

DRAWN BY SEW | PLANS CK'D.

CROSS SECTION & QUANTITIES

SHEET 2

PRE_255

PRELIMINARY

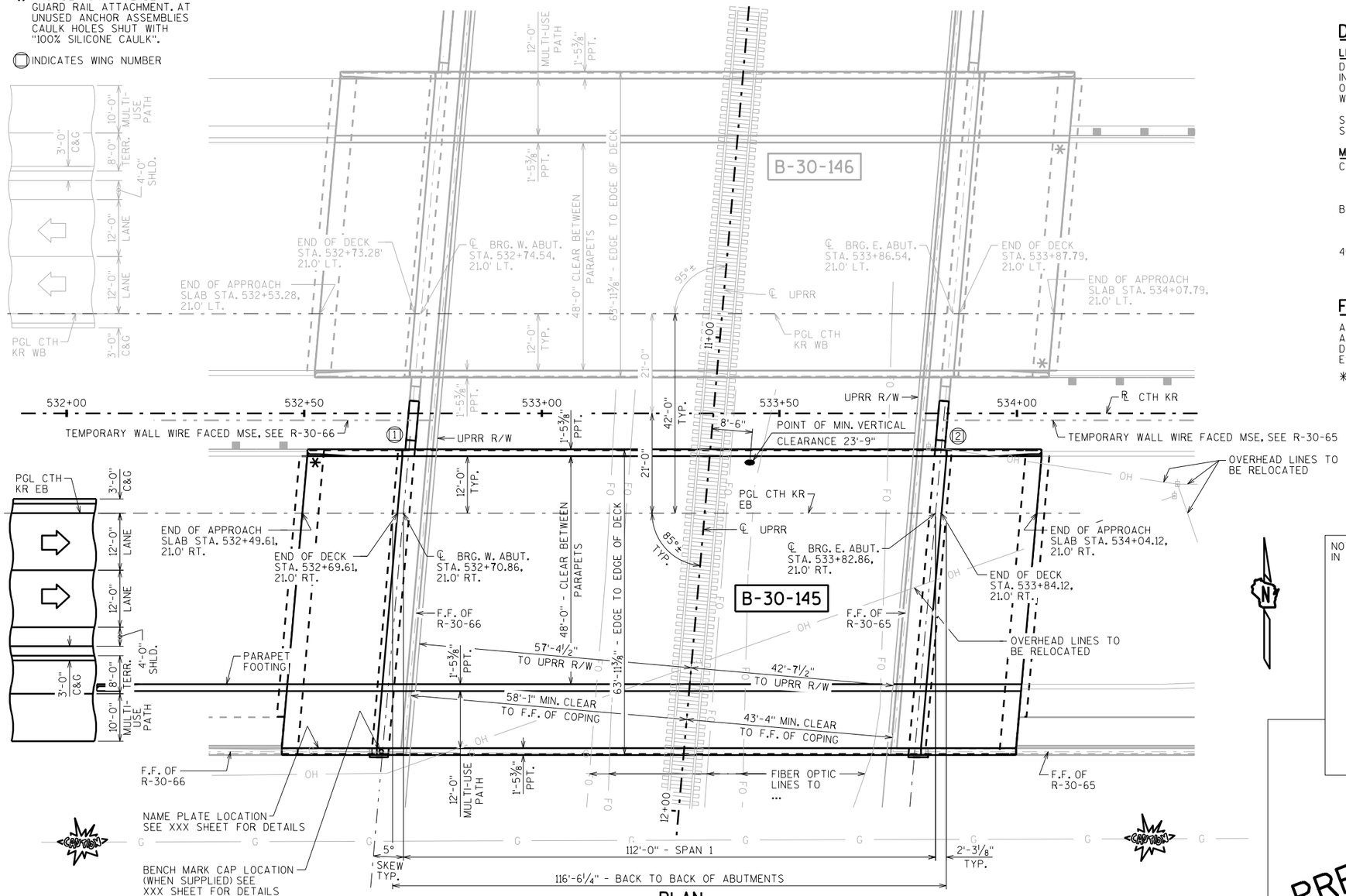
SCALE = 4.50

STATE PROJECT NUMBER

3763-00-74

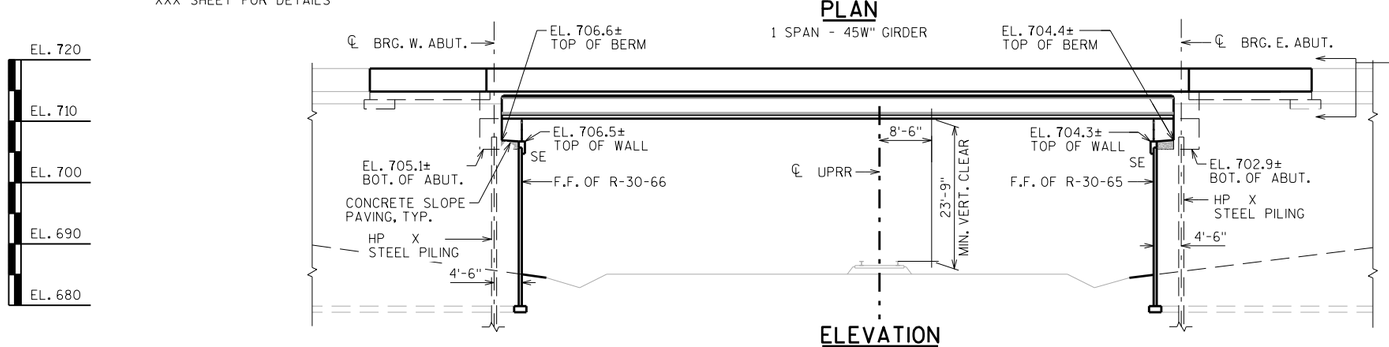
✱ PROVIDE FOR THRIE BEAM GUARD RAIL ATTACHMENT. AT UNUSED ANCHOR ASSEMBLIES CAULK HOLES SHUT WITH "100% SILICONE CAULK".

(1) INDICATES WING NUMBER



PLAN

1 SPAN - 45W" GIRDER



ELEVATION

NORMAL TO UPRR - LOOKING NORTH

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: RF =
OPERATING RATING FACTOR: RF =
WISCONSIN STANDARD PERMIT VEHICLE (WIS.-SPV): (KIPS)

STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 POUNDS PER SQUARE FOOT.

MATERIAL PROPERTIES:

CONCRETE MASONRY:
(HPC) SUPERSTRUCTURE, STRUCT. APP. SLABS ——— f'c = 4,000 P.S.I.
ALL OTHER ——— f'c = 3,500 P.S.I.

BAR STEEL REINFORCEMENT:
GRADE 60 ——— fy = 60,000 P.S.I.
STAINLESS, GRADE 60 ——— fy = 60,000 P.S.I.

45W" PRESTRESSED GIRDERS:
CONCRETE MASONRY ——— f'c = 8,000 P.S.I.
STRANDS: 0.6" DIA. WITH ULTIMATE TENSILE STRENGTH OF 270,000 P.S.I.

FOUNDATION DATA

ABUTMENTS TO BE SUPPORTED ON PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF TONS ✱✱ PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA.
ESTIMATED LONG.

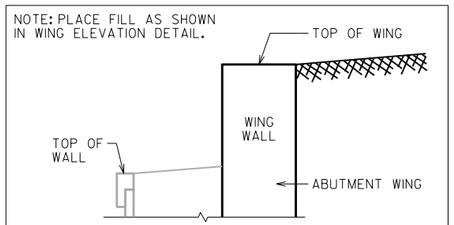
✱✱ THE FACTORED AXIAL RESISTANCE OF PILES IN COMPRESSION USED FOR DESIGN IS THE REQUIRED DRIVING RESISTANCE MULTIPLIED BY A RESISTANCE FACTOR OF 0.5 USING MODIFIED GATES TO DETERMINE DRIVEN PILE CAPACITY.

TRAFFIC VOLUME

CTH KR EB

ADT = 18,000 (2042)
R.D.S. = 50 M.P.H.

NOTE: PLACE FILL AS SHOWN IN WING ELEVATION DETAIL.



TYPICAL FILL SECTION AT WINGS 1 & 2

PRELIMINARY PLAN

STRUCTURE DESIGN CONTACTS:

EMILY KUEHNE (608) 266-5089
AARON BONK (608) 261-0261

LIST OF DRAWINGS

1. GENERAL PLAN
2. CROSS SECTION & QUANTITIES
3.
4.
5.
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7.
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11.
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14.
15.

NO.	DATE	REVISION	BY

BUREAU OF STRUCTURES

ACCEPTED _____ _____
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-30-145

CTH KR EB OVER UPRR

COUNTY	VILLAGE
KENOSHA	MOUNT PLEASANT

DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGNED CK'D.	DRAWN BY	PLANS CK'D.
EMK	SEW	EMK	SEW

GENERAL PLAN

SHEET 1 OF 2

PRE_256

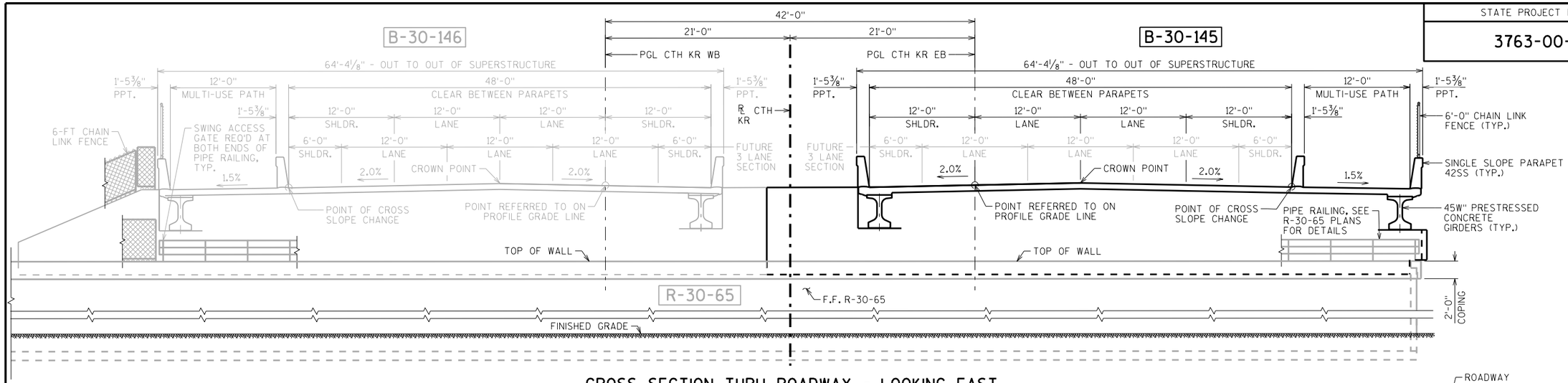
I.D. 3763-00-04C DATE: AUG. 2019

SCALE = 12.00

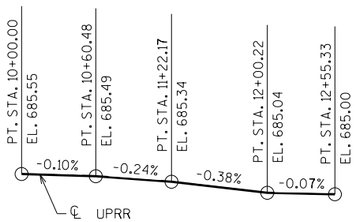
PRELIMINARY

STATE PROJECT NUMBER

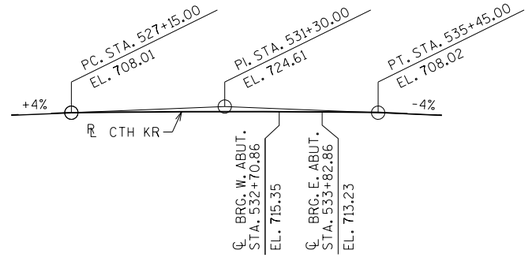
3763-00-74



CROSS SECTION THRU ROADWAY - LOOKING EAST

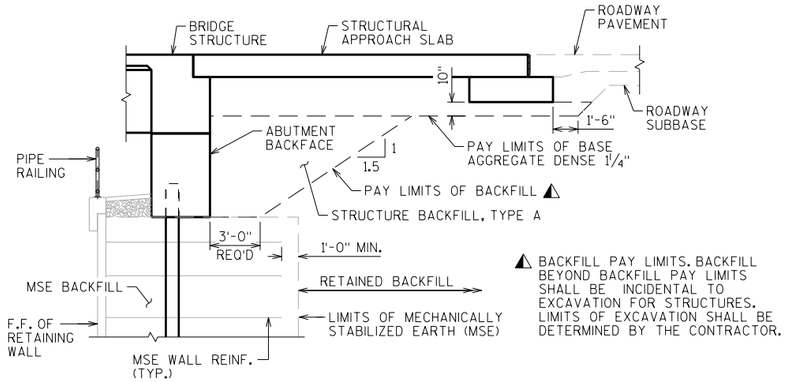


EXISTING PROFILE GRADE LINE ℄ UPRR



PROFILE GRADE LINE CTH KR EB/WB

830' LONG VERTICAL CURVE



TYPICAL SECTION THRU ABUTMENT AT MSE WALL

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	SUPER.	WEST APPROACH	WEST ABUTMENT	EAST ABUTMENT	EAST APPROACH	TOTALS
206.1000	EXCAVATION FOR STRUCTURES BRIDGES B-30-145	LS	———	———	———	———	———	1
210.1500	BACKFILL STRUCTURE TYPE A	TON						
305.0120	BASE AGGREGATE DENSE 1 1/4-INCH	TON						
501.1000.S	ICE HOT WEATHER CONCRETING	LB						
502.0100	CONCRETE MASONRY BRIDGES	CY						
502.3200	PROTECTIVE SURFACE TREATMENT	SY						
502.3210	PIGMENTED SURFACE SEALER	SY						
503.0146	PRESTRESSED GIRDER TYPE I 45W-INCH	LF						
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB						
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB						
505.0800.S	BAR STEEL REINFORCEMENT HS STAINLESS STRUCTURES	LB						
506.2605	BEARING PADS ELASTOMERIC NON-LAMINATED	EACH						
506.4000	STEEL DIAPHRAGMS B-30-145	EACH						
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY						
	PILING STEEL	LF						
604.0400	SLOPE PAVING CONCRETE	SY						
	NON-BID ITEMS							
	FILLER	SIZE	———	———	———	———	———	½", ¾", 1½"

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BEVEL EXPOSED EDGES OF CONCRETE ¾" UNLESS OTHERWISE NOTED.

THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES B-30-145" SHALL BE THE EXISTING GROUNDLINE.

AT THE BACK FACE OF ABUTMENT ALL VOLUME WHICH CANNOT BE PLACED BEFORE ABUTMENT CONSTRUCTION AND IS NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL TYPE A. ALSO EXCLUDED IS THE "BASE AGGREGATE DENSE 1 1/4-INCH" AS DETAILED ON THE STRUCTURAL APPROACH SLAB SHEETS.

THE SLOPE OF FILL IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH SLOPE PAVING MATERIAL TO THE EXTENT SHOWN ON SHEET 1 AND IN THE ABUTMENT DETAILS.

THE QUANTITY FOR BACKFILL STRUCTURE IS CALCULATED BASED ON THE DETAILS SHOWN IN THE PLANS.

ELASTOMERIC BEARING PADS NEED NOT BE INDIVIDUALLY MOLDED PROVIDED THE CUT EDGES ARE SMOOTH AND TRUE.

PROTECTIVE SURFACE TREATMENT TO BE APPLIED TO THE ENTIRE EXPOSED TOP OF DECK AND APPROACH SLAB SURFACES AND TO THE VERTICAL AND HORIZONTAL SURFACES OF THE PAVING NOTCHES AT ABUTMENT DIAPHRAGMS.

PIGMENTED SURFACE SEALER TO BE APPLIED TO THE FRONT FACE AND THE TOP OF THE PARAPETS, INCLUDING PARAPETS ON APPROACH SLABS.

CONTRACTOR MUST COORDINATE THE CONSTRUCTION OF THE BRIDGE B-30-145 WITH B-30-146, R-30-65, AND R-30-66.

PRELIMINARY PLAN

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-30-145

DRAWN BY EMK | PLANS CK'D. SEW

CROSS SECTION & QUANTITIES

SHEET 2

PRE_257

PRELIMINARY

8

8

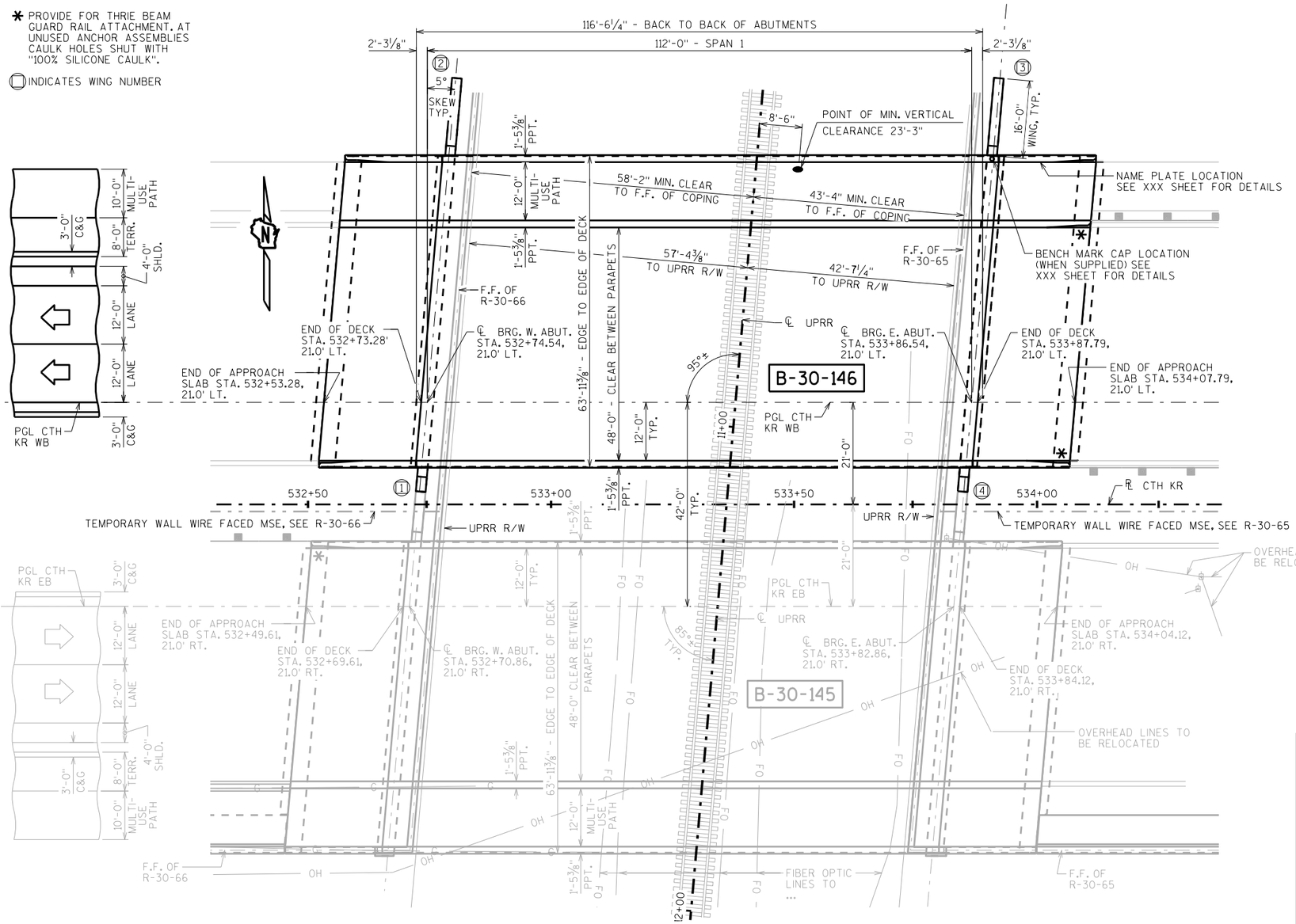
SCALE = 6.00

STATE PROJECT NUMBER

3763-00-74

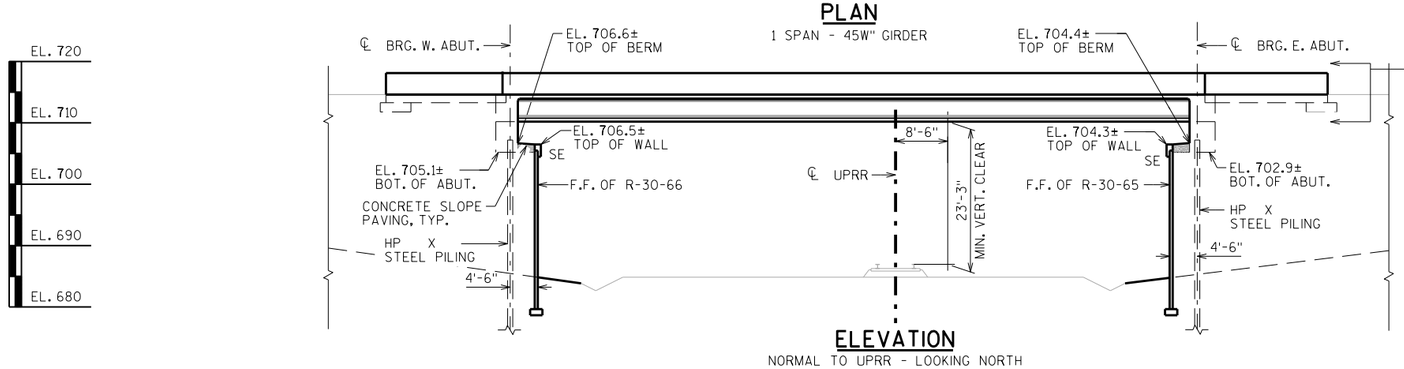
* PROVIDE FOR THRIE BEAM GUARD RAIL ATTACHMENT. AT UNUSED ANCHOR ASSEMBLIES CAULK HOLES SHUT WITH "100% SILICONE CAULK".

(n) INDICATES WING NUMBER



PLAN

1 SPAN - 45W" GIRDER



ELEVATION

NORMAL TO UPRR - LOOKING NORTH

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: RF =
OPERATING RATING FACTOR: RF =
WISCONSIN STANDARD PERMIT VEHICLE (WIS.-SPV): (KIPS)

STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 POUNDS PER SQUARE FOOT.

MATERIAL PROPERTIES:

CONCRETE MASONRY:
(HPC) SUPERSTRUCTURE, STRUCT. APP. SLABS ——— f'c = 4,000 P.S.I.
ALL OTHER ——— f'c = 3,500 P.S.I.

BAR STEEL REINFORCEMENT:
GRADE 60 ——— fy = 60,000 P.S.I.
STAINLESS, GRADE 60 ——— fy = 60,000 P.S.I.

45W" PRESTRESSED GIRDERS:
CONCRETE MASONRY ——— f'c = 8,000 P.S.I.
STRANDS: 0.6" DIA. WITH ULTIMATE TENSILE STRENGTH OF 270,000 P.S.I.

FOUNDATION DATA

ABUTMENTS TO BE SUPPORTED ON PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF TONS ** PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA.
ESTIMATED LONG.

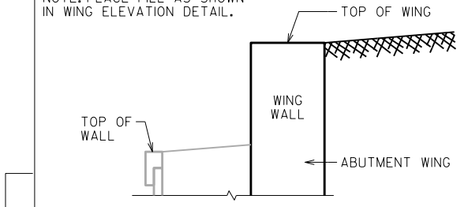
** THE FACTORED AXIAL RESISTANCE OF PILES IN COMPRESSION USED FOR DESIGN IS THE REQUIRED DRIVING RESISTANCE MULTIPLIED BY A RESISTANCE FACTOR OF 0.5 USING MODIFIED GATES TO DETERMINE DRIVEN PILE CAPACITY.

TRAFFIC VOLUME

CTH KR WB

ADT = 18,000 (2042)
R.D.S. = 50 M.P.H.

NOTE: PLACE FILL AS SHOWN IN WING ELEVATION DETAIL.



TYPICAL FILL SECTION AT WINGS

PRELIMINARY PLAN

STRUCTURE DESIGN CONTACTS:

EMILY KUEHNE (608) 266-5089
AARON BONK (608) 261-0261

LIST OF DRAWINGS

1. GENERAL PLAN
2. CROSS SECTION & QUANTITIES
3.
4.
5.
6.
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NO.	DATE	REVISION	BY

BUREAU OF STRUCTURES

ACCEPTED _____ _____
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-30-146

CTH KR WB OVER UPRR

COUNTY	VILLAGE
KENOSHA	MOUNT PLEASANT

DESIGN SPEC.
AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGNED CK'D.	DRAWN BY	PLANS CK'D.
EMK	SEW	EMK	SEW

GENERAL PLAN

SHEET 1 OF 2

PRE_258

I.D. 3763-00-04D DATE: AUG. 2019

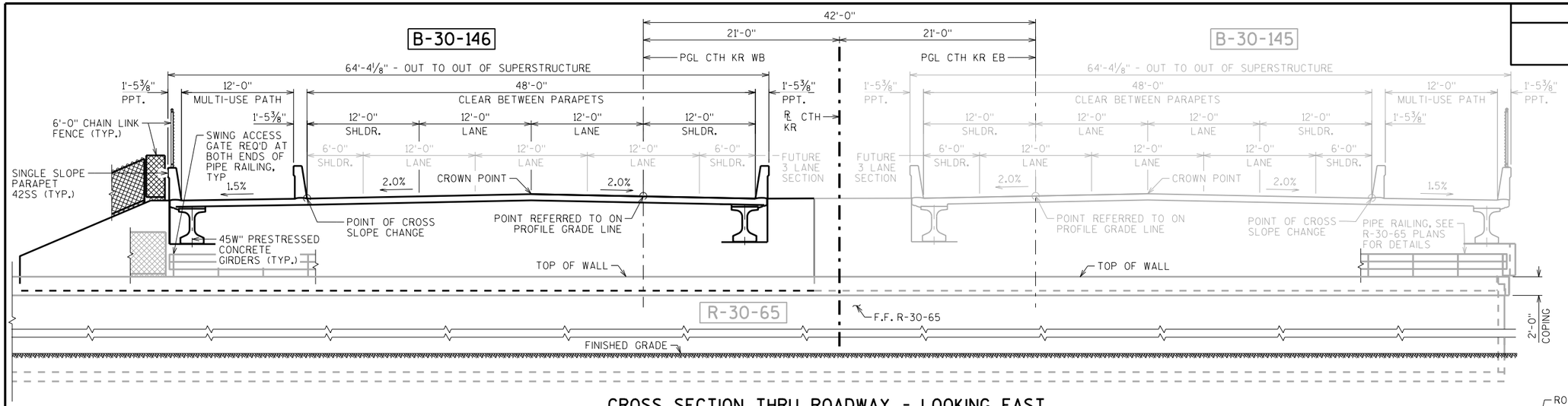
SCALE = 12.00

PRELIMINARY

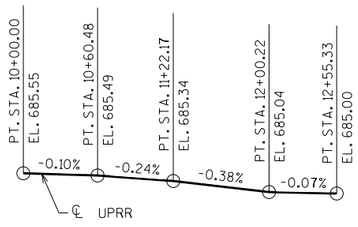
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8

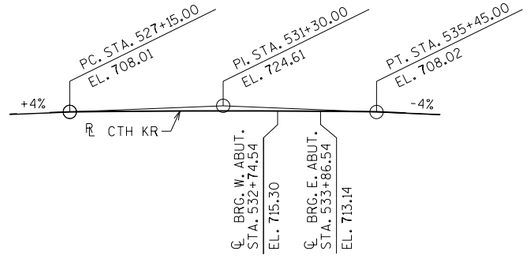
STATE PROJECT NUMBER
3763-00-74



CROSS SECTION THRU ROADWAY - LOOKING EAST

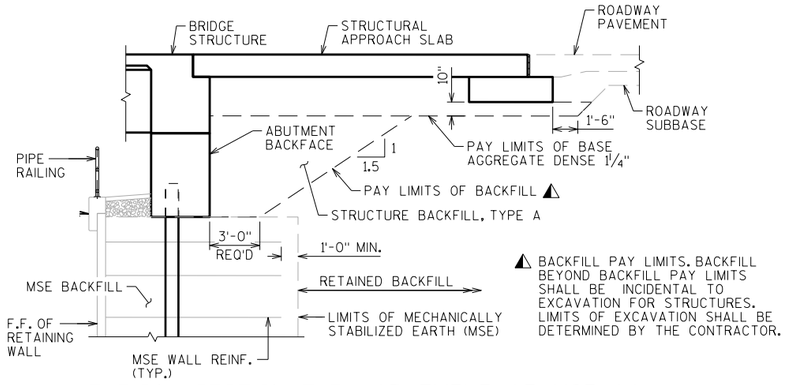


EXISTING PROFILE GRADE LINE ℄ UPRR



PROFILE GRADE LINE CTH KR EB/WB

830' LONG VERTICAL CURVE



⚠ BACKFILL PAY LIMITS. BACKFILL BEYOND BACKFILL PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.

TYPICAL SECTION THRU ABUTMENT AT MSE WALL

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	SUPER.	WEST APPROACH	WEST ABUTMENT	EAST ABUTMENT	EAST APPROACH	TOTALS
206.1000	EXCAVATION FOR STRUCTURES BRIDGES B-30-146	LS	———	———	———	———	———	1
210.1500	BACKFILL STRUCTURE TYPE A	TON						
305.0120	BASE AGGREGATE DENSE 1 1/4-INCH	TON						
501.1000.S	ICE HOT WEATHER CONCRETING	LB						
502.0100	CONCRETE MASONRY BRIDGES	CY						
502.3200	PROTECTIVE SURFACE TREATMENT	SY						
502.3210	PIGMENTED SURFACE SEALER	SY						
503.0146	PRESTRESSED GIRDER TYPE I 45W-INCH	LF						
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB						
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB						
505.0800.S	BAR STEEL REINFORCEMENT HS STAINLESS STRUCTURES	LB						
506.2605	BEARING PADS ELASTOMERIC NON-LAMINATED	EACH						
506.4000	STEEL DIAPHRAGMS B-30-146	EACH						
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY						
	PILING STEEL	LF						
604.0400	SLOPE PAVING CONCRETE	SY						
	NON-BID ITEMS							
	FILLER	SIZE	———	———	———	———	———	½", ¾", 1½"

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BEVEL EXPOSED EDGES OF CONCRETE ¾" UNLESS OTHERWISE NOTED.

THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES B-30-146" SHALL BE THE EXISTING GROUNDLINE.

AT THE BACK FACE OF ABUTMENT ALL VOLUME WHICH CANNOT BE PLACED BEFORE ABUTMENT CONSTRUCTION AND IS NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL TYPE A. ALSO EXCLUDED IS THE "BASE AGGREGATE DENSE 1 1/4-INCH" AS DETAILED ON THE STRUCTURAL APPROACH SLAB SHEETS.

THE SLOPE OF FILL IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH SLOPE PAVING MATERIAL TO THE EXTENT SHOWN ON SHEET 1 AND IN THE ABUTMENT DETAILS.

THE QUANTITY FOR BACKFILL STRUCTURE IS CALCULATED BASED ON THE DETAILS SHOWN IN THE PLANS.

ELASTOMERIC BEARING PADS NEED NOT BE INDIVIDUALLY MOLDED PROVIDED THE CUT EDGES ARE SMOOTH AND TRUE.

PROTECTIVE SURFACE TREATMENT TO BE APPLIED TO THE ENTIRE EXPOSED TOP OF DECK AND APPROACH SLAB SURFACES AND TO THE VERTICAL AND HORIZONTAL SURFACES OF THE PAVING NOTCHES AT ABUTMENT DIAPHRAGMS.

PIGMENTED SURFACE SEALER TO BE APPLIED TO THE FRONT FACE AND THE TOP OF THE PARAPETS, INCLUDING PARAPETS ON APPROACH SLABS.

CONTRACTOR MUST COORDINATE THE CONSTRUCTION OF THE BRIDGE B-30-146 WITH B-30-145, R-30-65, AND R-30-66.

PRELIMINARY PLAN

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-30-146

DRAWN BY EMK | PLANS CK'D. SEW

CROSS SECTION & QUANTITIES

SHEET 2

PRE_259

PRELIMINARY

8

8

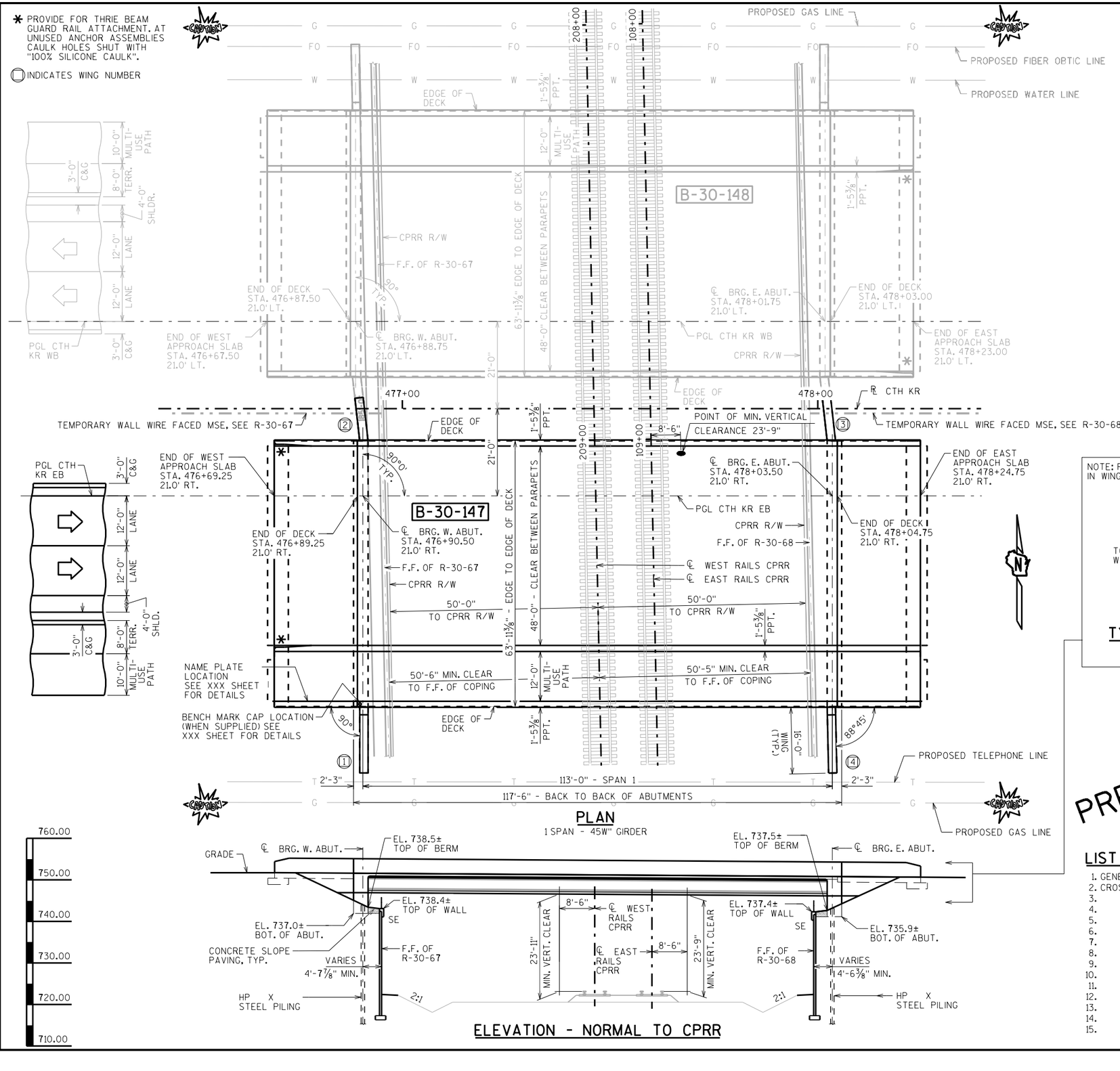
SCALE = 6.00

STATE PROJECT NUMBER

3763-00-74

* PROVIDE FOR THRIE BEAM GUARD RAIL ATTACHMENT. AT UNUSED ANCHOR ASSEMBLIES CAULK HOLES SHUT WITH "100% SILICONE CAULK".

(1) INDICATES WING NUMBER



PLAN
1 SPAN - 45W" GIRDER

ELEVATION - NORMAL TO CPRR

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: RF =
OPERATING RATING FACTOR: RF =
WISCONSIN STANDARD PERMIT VEHICLE (WIS.-SPV): (KIPS)

STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 POUNDS PER SQUARE FOOT.

MATERIAL PROPERTIES:

CONCRETE MASONRY:
SUPERSTRUCTURE & STRUCTURAL APPROACH SLAB — f'c = 4,000 P.S.I.
ALL OTHER — f'c = 3,500 P.S.I.

BAR STEEL REINFORCEMENT:
GRADE 60 — fy = 60,000 P.S.I.
STAINLESS, GRADE 60 — fy = 60,000 P.S.I.

45W" PRESTRESSED GIRDERS:
CONCRETE MASONRY — f'c = 8,000 P.S.I.
STRANDS: 0.6" DIA. WITH ULTIMATE TENSILE STRENGTH OF 270,000 P.S.I.

FOUNDATION DATA

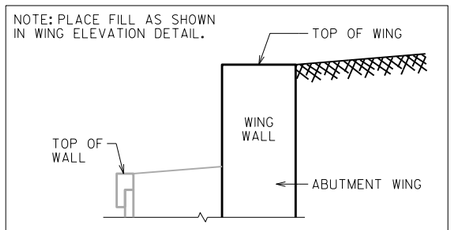
ABUTMENTS TO BE SUPPORTED ON PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF TONS ** PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA.
ESTIMATED LONG.

** THE FACTORED AXIAL RESISTANCE OF PILES IN COMPRESSION USED FOR DESIGN IS THE REQUIRED DRIVING RESISTANCE MULTIPLIED BY A RESISTANCE FACTOR OF 0.5 USING MODIFIED GATES TO DETERMINE DRIVEN PILE CAPACITY.

TRAFFIC VOLUME

CTH KR EB
ADT = 18,000 (2042)
R.D.S. = 50 M.P.H.

NOTE: PLACE FILL AS SHOWN IN WING ELEVATION DETAIL.



TYPICAL FILL SECTION AT WINGS

PRELIMINARY PLAN

LIST OF DRAWINGS

1. GENERAL PLAN
2. CROSS SECTION & QUANTITIES
3.
4.
5.
6.
7.
8.
9.
10.
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14.
15.

STRUCTURE DESIGN CONTACTS:
EMILY KUEHNE (608) 266-5089
AARON BONK (608) 261-0261

NO.	DATE	REVISION	BY

WISCONSIN DEPARTMENT OF TRANSPORTATION
BUREAU OF STRUCTURES

ACCEPTED _____ _____
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE B-30-147

CTH KR EB OVER CPRR

COUNTY	VILLAGE
KENOSHA	MOUNT PLEASANT

DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGNED CK'D.	DRAWN BY	PLANS CK'D.
EMK	SEW	EMK	SEW

GENERAL PLAN

SHEET 1 OF 2

PRE_260

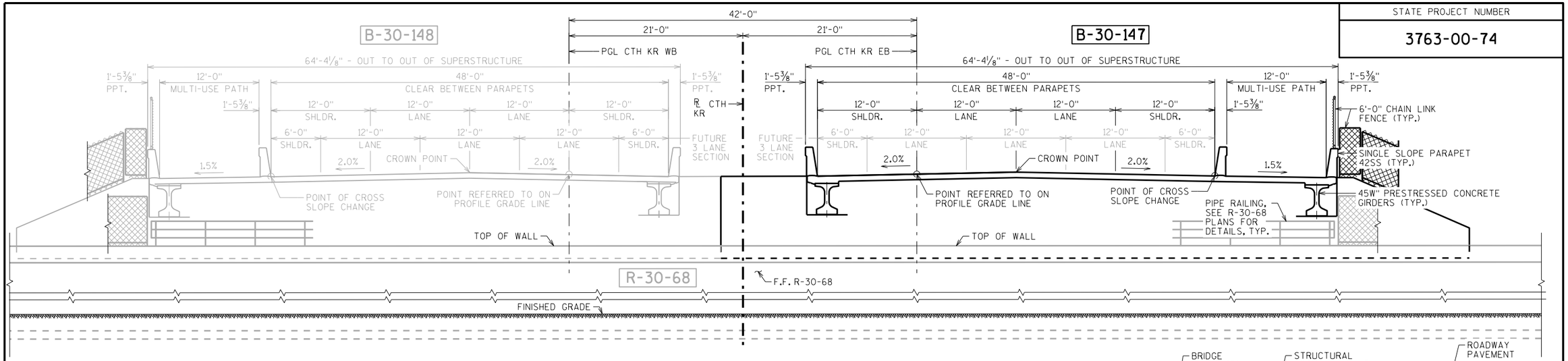
I.D. 3763-00-04A DATE: AUG. 2019

SCALE = 12.00

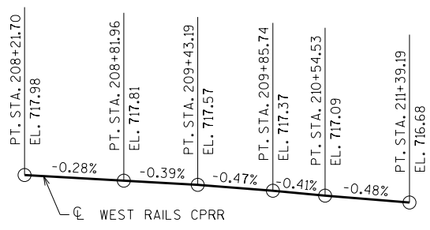
PRELIMINARY

STATE PROJECT NUMBER

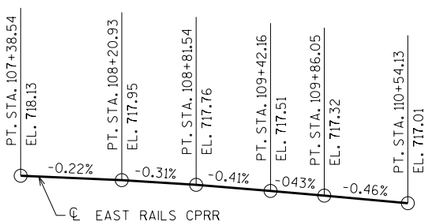
3763-00-74



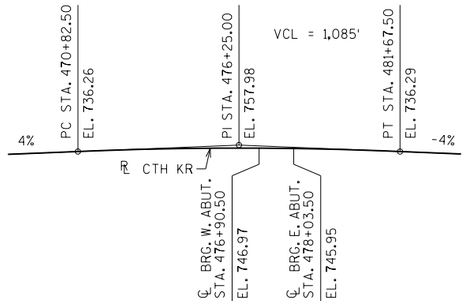
CROSS SECTION THRU ROADWAY - LOOKING EAST



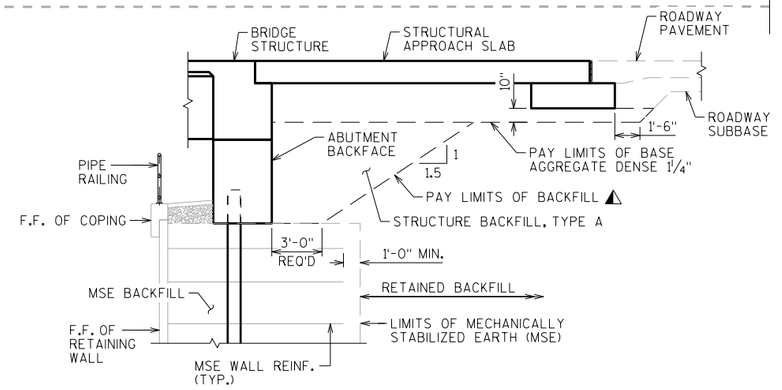
EXISTING PROFILE GRADE LINE
WEST RAILS CPRR



EXISTING PROFILE GRADE LINE
EAST RAILS CPRR



PROFILE GRADE LINE CTH KR EB/WB



TYPICAL SECTION THRU ABUTMENT AT MSE WALL

⚠ BACKFILL PAY LIMITS. BACKFILL BEYOND BACKFILL PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	SUPER.	WEST APPROACH	WEST ABUT.	EAST ABUT.	EAST APPROACH	TOTALS
206.1000	EXCAVATION FOR STRUCTURES BRIDGES B-30-147	LS	———	———	———	———	———	1
210.1500	BACKFILL STRUCTURE TYPE A	TON	———	———	———	———	———	
305.0120	BASE AGGREGATE DENSE 1 1/4-INCH	TON	———	———	———	———	———	
501.1000.S	ICE HOT WEATHER CONCRETING	LB	———	———	———	———	———	
502.0100	CONCRETE MASONRY BRIDGES	CY	———	———	———	———	———	
502.3200	PROTECTIVE SURFACE TREATMENT	SY	———	———	———	———	———	
502.3210	PIGMENTED SURFACE SEALER	SY	———	———	———	———	———	
503.0146	PRESTRESSED GIRDER TYPE I 45W-INCH	LF	———	———	———	———	———	
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	———	———	———	———	———	
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	———	———	———	———	———	
505.0800.S	BAR STEEL REINFORCEMENT HS STAINLESS STRUCTURES	LB	———	———	———	———	———	
506.2605	BEARING PADS ELASTOMERIC NON-LAMINATED	EACH	———	———	———	———	———	
506.4000	STEEL DIAPHRAGMS B-30-147	EACH	———	———	———	———	———	
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	———	———	———	———	———	
	PILING	LF	———	———	———	———	———	
604.0400	SLOPE PAVING CONCRETE	SY	———	———	———	———	———	
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	———	———	———	———	———	
	NON-BID ITEMS							
	FILLER	SIZE	———	———	———	———	———	½", ¾", 1½"

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BEVEL EXPOSED EDGES OF CONCRETE ¾" UNLESS OTHERWISE NOTED.

THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES B-30-147" SHALL BE THE EXISTING GROUNDLINE.

AT THE BACK FACE OF ABUTMENT ALL VOLUME WHICH CANNOT BE PLACED BEFORE ABUTMENT CONSTRUCTION AND IS NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL TYPE A. ALSO EXCLUDED IS THE "BASE AGGREGATE DENSE 1 1/4-INCH" AS DETAILED ON THE STRUCTURAL APPROACH SLAB SHEETS.

THE SLOPE OF FILL IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH SLOPE PAVING MATERIAL TO THE EXTENT SHOWN ON SHEET 1 AND IN THE ABUTMENT DETAILS.

THE QUANTITY FOR BACKFILL STRUCTURE IS CALCULATED BASED ON THE DETAIL SHOWN IN THE PLANS.

ELASTOMERIC BEARING PADS NEED NOT BE INDIVIDUALLY MOLDED PROVIDED THE CUT EDGES ARE SMOOTH AND TRUE.

PROTECTIVE SURFACE TREATMENT TO BE APPLIED TO THE ENTIRE EXPOSED TOP OF DECK AND APPROACH SLAB SURFACES AND TO THE VERTICAL AND HORIZONTAL SURFACES OF THE PAVING NOTCHES AT ABUTMENT DIAPHRAGMS.

PIGMENTED SURFACE SEALER TO BE APPLIED TO THE FRONT FACE AND THE TOP OF THE PARAPETS, INCLUDING PARAPETS ON APPROACH SLABS.

CONTRACTOR MUST COORDINATE THE CONSTRUCTION OF THE BRIDGE B-30-147 WITH B-30-148, R-30-67 AND R-30-68.

PRELIMINARY PLAN

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-30-147

DRAWN BY EMK | PLANS CK'D. SEW

CROSS SECTION & QUANTITIES

SHEET 2

PRE_261

SCALE = 6.00

PRELIMINARY

8

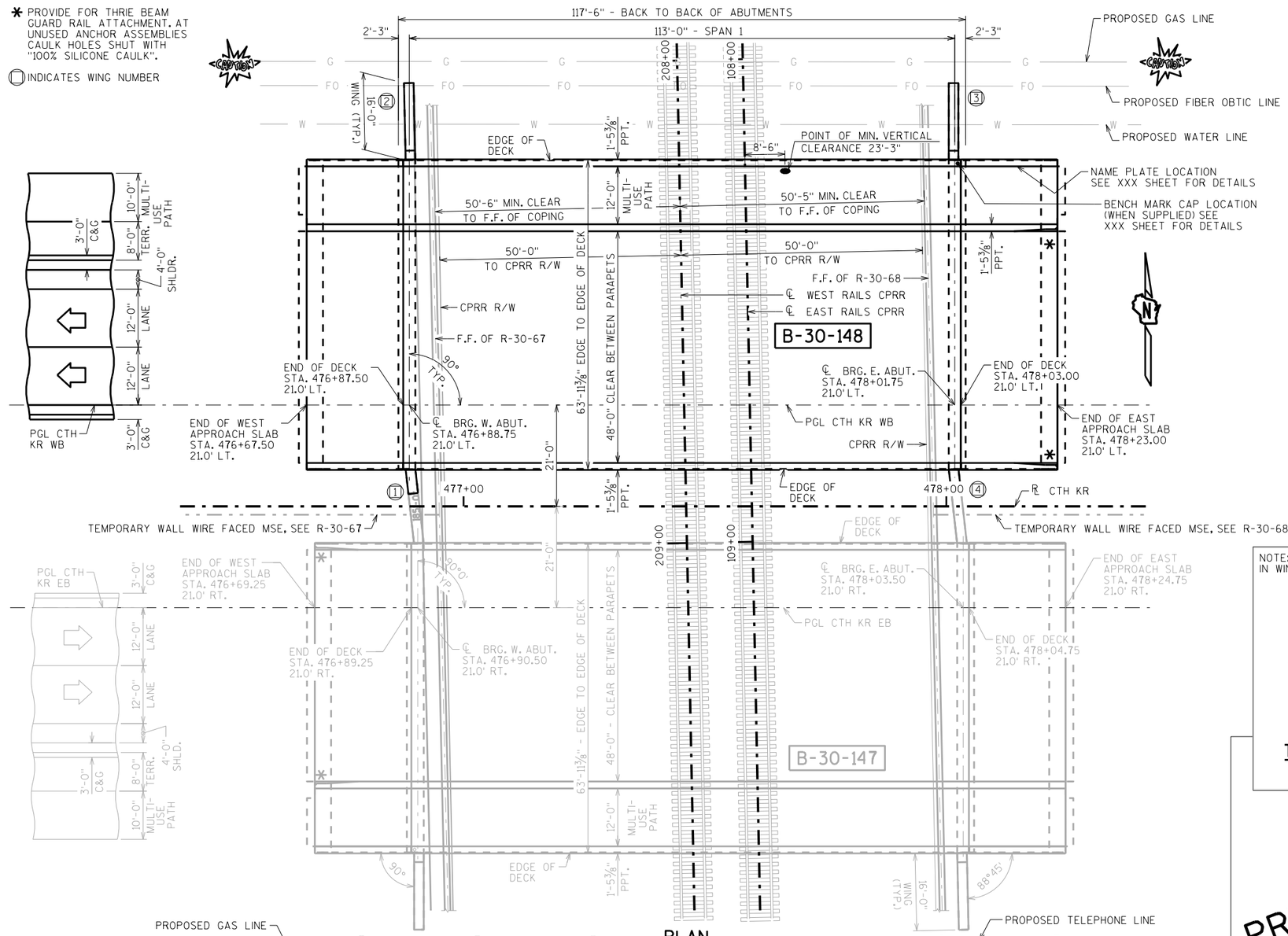
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STATE PROJECT NUMBER

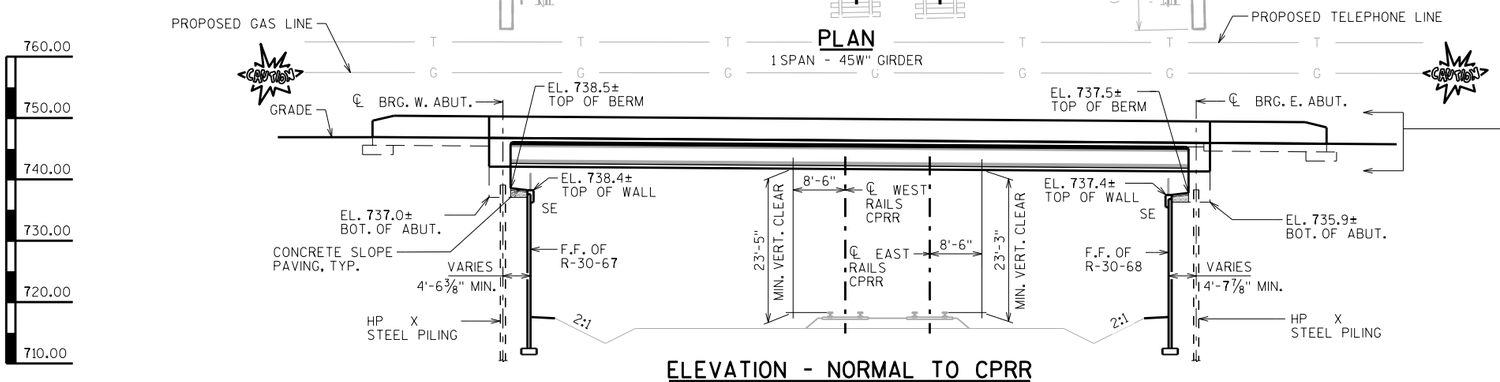
3763-00-74

✱ PROVIDE FOR THRIE BEAM GUARD RAIL ATTACHMENT. AT UNUSED ANCHOR ASSEMBLIES CAULK HOLES SHUT WITH "100% SILICONE CAULK".

(1) INDICATES WING NUMBER



PLAN
1 SPAN - 45W" GIRDER



ELEVATION - NORMAL TO CPRR

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: RF =
OPERATING RATING FACTOR: RF =
WISCONSIN STANDARD PERMIT VEHICLE (WIS.-SPV): (KIPS)

STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 POUNDS PER SQUARE FOOT.

MATERIAL PROPERTIES:

CONCRETE MASONRY:
SUPERSTRUCTURE & STRUCTURAL APPROACH SLAB — f'c = 4,000 P.S.I.
ALL OTHER — f'c = 3,500 P.S.I.

BAR STEEL REINFORCEMENT:
GRADE 60 — fy = 60,000 P.S.I.
STAINLESS, GRADE 60 — fy = 60,000 P.S.I.

45W" PRESTRESSED GIRDERS:
CONCRETE MASONRY — f'c = 8,000 P.S.I.
STRANDS: 0.6" DIA. WITH ULTIMATE TENSILE STRENGTH OF 270,000 P.S.I.

FOUNDATION DATA

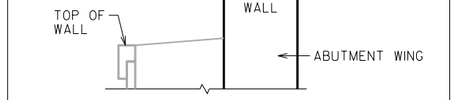
ABUTMENTS TO BE SUPPORTED ON PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF TONS ✱✱ PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA.
ESTIMATED LONG.

✱✱ THE FACTORED AXIAL RESISTANCE OF PILES IN COMPRESSION USED FOR DESIGN IS THE REQUIRED DRIVING RESISTANCE MULTIPLIED BY A RESISTANCE FACTOR OF 0.5 USING MODIFIED GATES TO DETERMINE DRIVEN PILE CAPACITY.

TRAFFIC VOLUME

CTH KR WB
ADT = 18,000 (2042)
R.D.S. = 50 M.P.H.

NOTE: PLACE FILL AS SHOWN IN WING ELEVATION DETAIL.



TYPICAL FILL SECTION AT WINGS

PRELIMINARY PLAN

STRUCTURE DESIGN CONTACTS:
EMILY KUEHNE (608) 266-5089
AARON BONK (608) 261-0261

LIST OF DRAWINGS

1. GENERAL PLAN
2. CROSS SECTION & QUANTITIES
3.
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NO.	DATE	REVISION	BY

WISCONSIN DEPARTMENT OF TRANSPORTATION — BUREAU OF STRUCTURES

ACCEPTED _____ _____
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-30-148

CTH KR WB OVER CPRR

COUNTY	VILLAGE
KENOSHA	MOUNT PLEASANT

DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGNED CK'D.	DRAWN BY	PLANS CK'D.
EMK	SEW	EMK	SEW

GENERAL PLAN — SHEET 1 OF 2

PRE_262

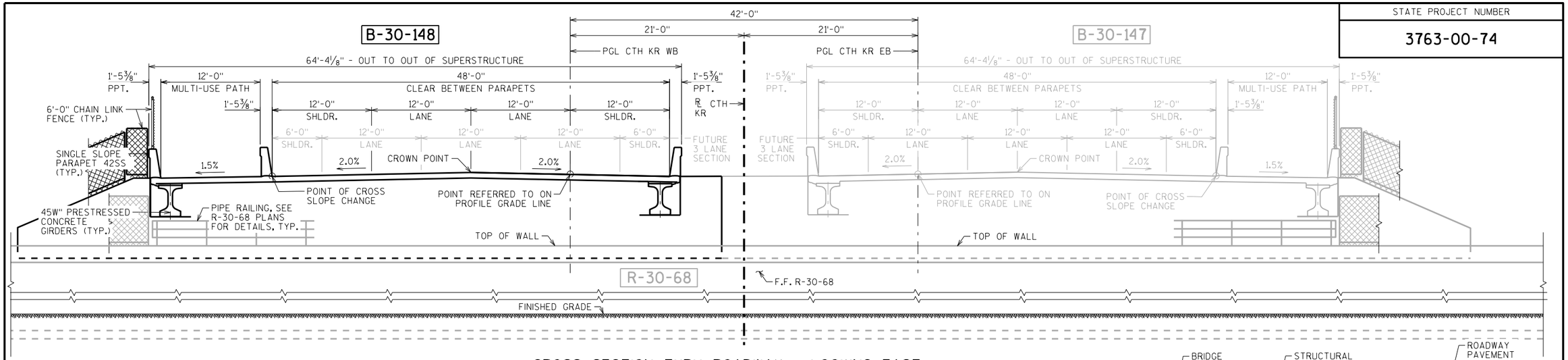
I.D. 3763-00-04B DATE: AUG. 2019

SCALE = 12.00

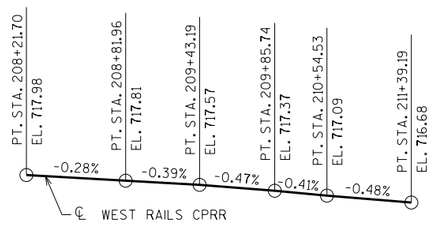
PRELIMINARY

STATE PROJECT NUMBER

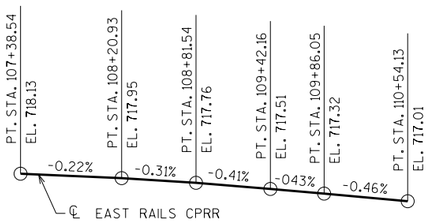
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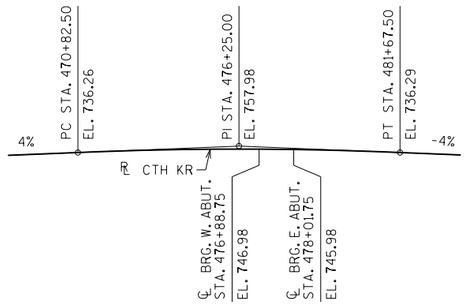
CROSS SECTION THRU ROADWAY - LOOKING EAST



EXISTING PROFILE GRADE LINE WEST RAILS CPRR

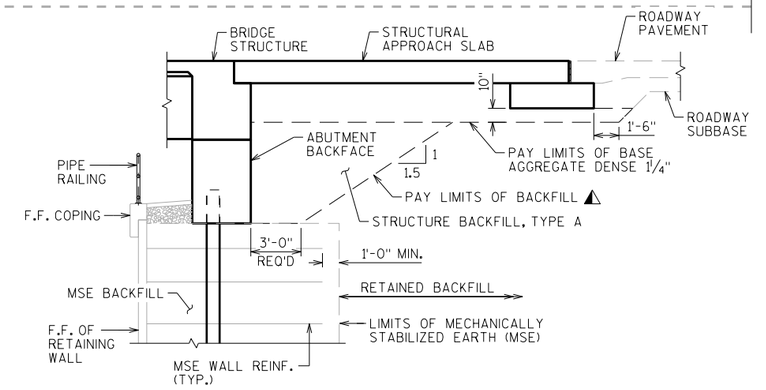


EXISTING PROFILE GRADE LINE EAST RAILS CPRR



PROFILE GRADE LINE CTH KR EB/WB

1,085' LONG VERTICAL CURVE



TYPICAL SECTION THRU ABUTMENT AT MSE WALL

⚠ BACKFILL PAY LIMITS. BACKFILL BEYOND BACKFILL PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	SUPER.	WEST APPROACH	WEST ABUT.	EAST ABUT.	EAST APPROACH	TOTALS
206.1000	EXCAVATION FOR STRUCTURES BRIDGES B-30-148	LS	———	———	———	———	———	1
210.1500	BACKFILL STRUCTURE TYPE A	TON	———	———	———	———	———	
305.0120	BASE AGGREGATE DENSE 1 1/4-INCH	TON	———	———	———	———	———	
501.1000.S	ICE HOT WEATHER CONCRETING	LB	———	———	———	———	———	
502.0100	CONCRETE MASONRY BRIDGES	CY	———	———	———	———	———	
502.3200	PROTECTIVE SURFACE TREATMENT	SY	———	———	———	———	———	
502.3210	PIGMENTED SURFACE SEALER	SY	———	———	———	———	———	
503.0146	PRESTRESSED GIRDER TYPE I 45W-INCH	LF	———	———	———	———	———	
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	———	———	———	———	———	
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	———	———	———	———	———	
505.0800.S	BAR STEEL REINFORCEMENT HS STAINLESS STRUCTURES	LB	———	———	———	———	———	
506.2605	BEARING PADS ELASTOMERIC NON-LAMINATED	EACH	———	———	———	———	———	
506.4000	STEEL DIAPHRAGMS B-30-148	EACH	———	———	———	———	———	
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	———	———	———	———	———	
	PILING	LF	———	———	———	———	———	
604.0400	SLOPE PAVING CONCRETE	SY	———	———	———	———	———	
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	———	———	———	———	———	
	NON-BID ITEMS							
	FILLER	SIZE	———	———	———	———	———	½", ¾", 1½"

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BEVEL EXPOSED EDGES OF CONCRETE ¾" UNLESS OTHERWISE NOTED.

THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES B-30-148" SHALL BE THE EXISTING GROUNDLINE.

AT THE BACK FACE OF ABUTMENT ALL VOLUME WHICH CANNOT BE PLACED BEFORE ABUTMENT CONSTRUCTION AND IS NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL TYPE A. ALSO EXCLUDED IS THE "BASE AGGREGATE DENSE 1 1/4-INCH" AS DETAILED ON THE STRUCTURAL APPROACH SLAB SHEETS.

THE SLOPE OF FILL IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH SLOPE PAVING MATERIAL TO THE EXTENT SHOWN ON SHEET 1 AND IN THE ABUTMENT DETAILS.

THE QUANTITY FOR BACKFILL STRUCTURE IS CALCULATED BASED ON THE DETAIL SHOWN IN THE PLANS.

ELASTOMERIC BEARING PADS NEED NOT BE INDIVIDUALLY MOLDED PROVIDED THE CUT EDGES ARE SMOOTH AND TRUE.

PROTECTIVE SURFACE TREATMENT TO BE APPLIED TO THE ENTIRE EXPOSED TOP OF DECK AND APPROACH SLAB SURFACES AND TO THE VERTICAL AND HORIZONTAL SURFACES OF THE PAVING NOTCHES AT ABUTMENT DIAPHRAGMS.

PIGMENTED SURFACE SEALER TO BE APPLIED TO THE FRONT FACE AND THE TOP OF THE PARAPETS, INCLUDING PARAPETS ON APPROACH SLABS.

CONTRACTOR MUST COORDINATE THE CONSTRUCTION OF THE BRIDGE B-30-148 WITH B-30-147, R-30-67 AND R-30-68.

PRELIMINARY PLAN

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-30-148

DRAWN BY EMK | PLANS CK'D. SEW

CROSS SECTION & QUANTITIES

SHEET 2

PRE_263

PRELIMINARY

SCALE = 6.00

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STATE PROJECT NUMBER

3763-00-74

DESIGN DATA

THE CONTRACTOR SHALL PROVIDE COMPLETE DESIGN, PLANS, DETAILS, SPECIFICATIONS, AND SHOP DRAWINGS FOR THE RETAINING WALLS IN ACCORDANCE WITH THE SPECIAL PROVISIONS. THE RETAINING WALL MANUFACTURER SHALL PROVIDE TECHNICAL ASSISTANCE TO THE CONTRACTOR DURING CONSTRUCTION. THE COST OF FURNISHING THESE ITEMS SHALL BE INCLUDED IN THE BID ITEM "WALL WIRE FACED MECHANICALLY STABILIZED EARTH LRFD/QMP".

PLANS, ELEVATIONS, AND DETAILS SHOWN ON THESE PLANS ARE INTENDED TO INDICATE WALL LOCATIONS, LENGTHS, HEIGHTS, AND DETAILS COMMON TO THE WALL SYSTEM SELECTED. THE CONTRACTOR SHALL VERIFY THAT THE WALL SYSTEM SELECTED WILL CONFORM TO THE REQUIRED ALIGNMENTS AND DETAILS.

THE RETAINING WALL SHALL BE DESIGNED USING THE ELEVATIONS GIVEN ON SHEET 4.

DESIGN FOR RETAINING WALL TO PROVIDE FOR FINISHED GRADE SLOPED BEHIND WALL AS SHOWN.

DESIGN RETAINING WALL FOR A LIVE LOAD SURCHARGE OF 240 PSF.

DESIGN RETAINING WALL FOR A WIND SUCTION LOAD OF 20 PSF ON THE PRECAST PANEL.

THE MAXIMUM VALUE OF THE ANGLE OF INTERNAL FRICTION OF THE WALL BACKFILL MATERIAL IN THE REINFORCED ZONE SHALL BE ASSUMED TO BE 30° WITHOUT CERTIFIED TEST VALUES.

ALLOWABLE WALL SYSTEMS

WALL WIRE FACED MECHANICALLY STABILIZED EARTH LRFD/QMP

MATERIAL PROPERTIES

CONCRETE MASONRY RETAINING WALLS (VEHICLE BARRIER, COPING, FOOTING, AND DEADMAN ANCHORS) ——— f'c = 3,500 P.S.I.

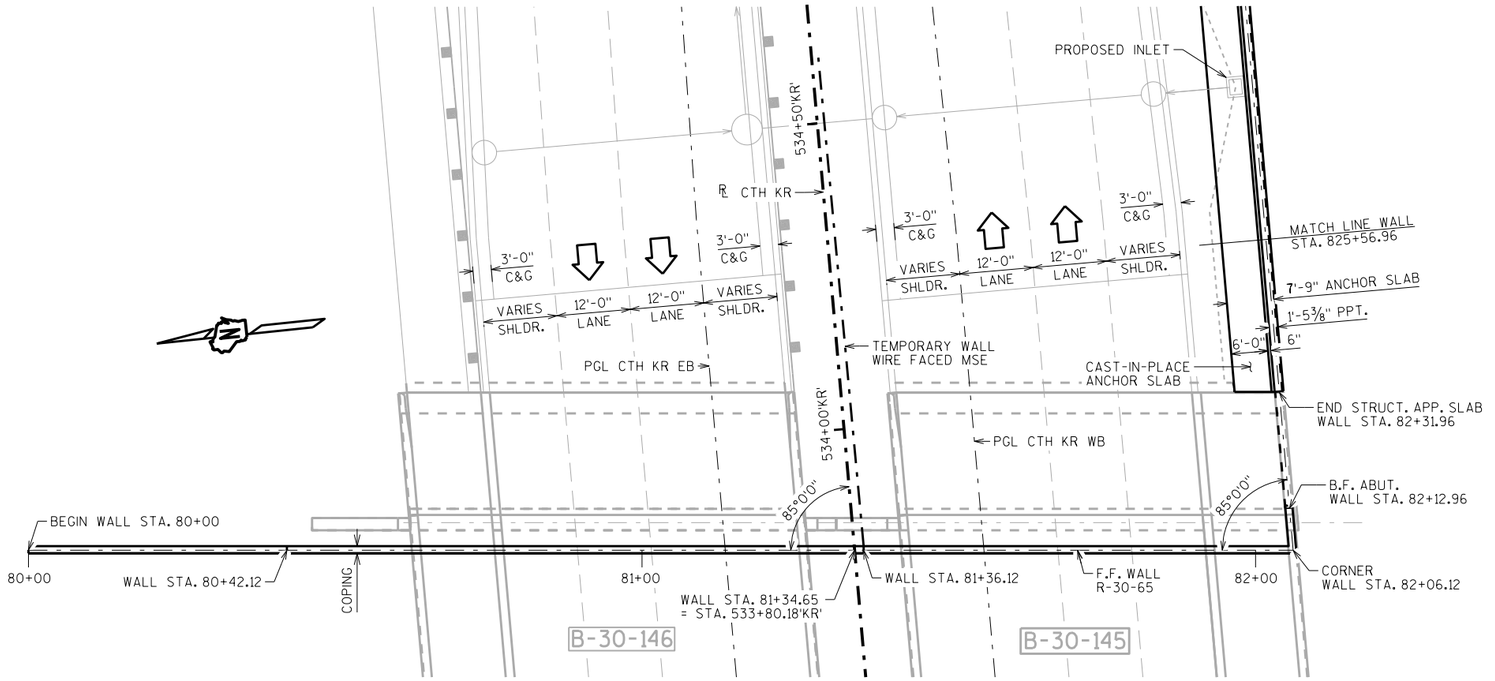
PRESTRESSED PRECAST CONCRETE WALL PANEL ——— f'c = 5,000 P.S.I.

BAR STEEL REINFORCEMENT, GRADE 60 ——— fy = 60,000 P.S.I.

STRUCTURAL STEEL CARBON - ASTM A36 ——— fy = 36,000 P.S.I.

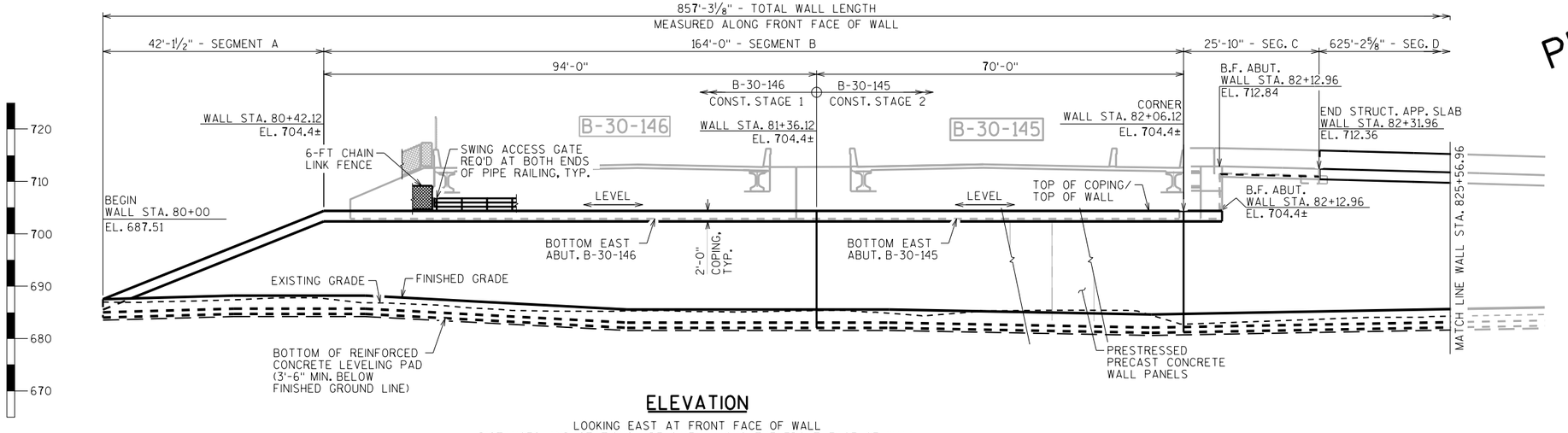
LIST OF DRAWINGS

1. GENERAL PLAN 1
2. GENERAL PLAN 2
3. GENERAL PLAN 3
4. QUANTITIES & WALL DATA
5. WALL CROSS SECTIONS



PLAN

WALL WIRE FACED MECHANICALLY STABILIZED EARTH LRFD/QMP



ELEVATION

LOOKING EAST AT FRONT FACE OF WALL
DISTANCES AND STATIONS ARE GIVEN ALONG THE FRONT FACE OF WALL
ELEVATIONS ARE GIVEN AT TOP OF WALL

PRELIMINARY PLAN

STRUCTURE DESIGN CONTACTS:
EMILY KUEHNE (608) 266-5089
AARON BONK (608) 261-0261

NO.	DATE	REVISION	BY

BUREAU OF STRUCTURES

ACCEPTED _____ _____
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE R-30-65

WALL ALONG E. ABUT. B-30-145 & B-30-146

COUNTY	VILLAGE
KENOSHA	MOUNT PLEASANT

DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGNED CK'D.	DRAWN BY	PLANS CK'D.
EMK	SEW	EMK	SEW

GENERAL PLAN 1

SHEET 1 OF 5

PRE_264

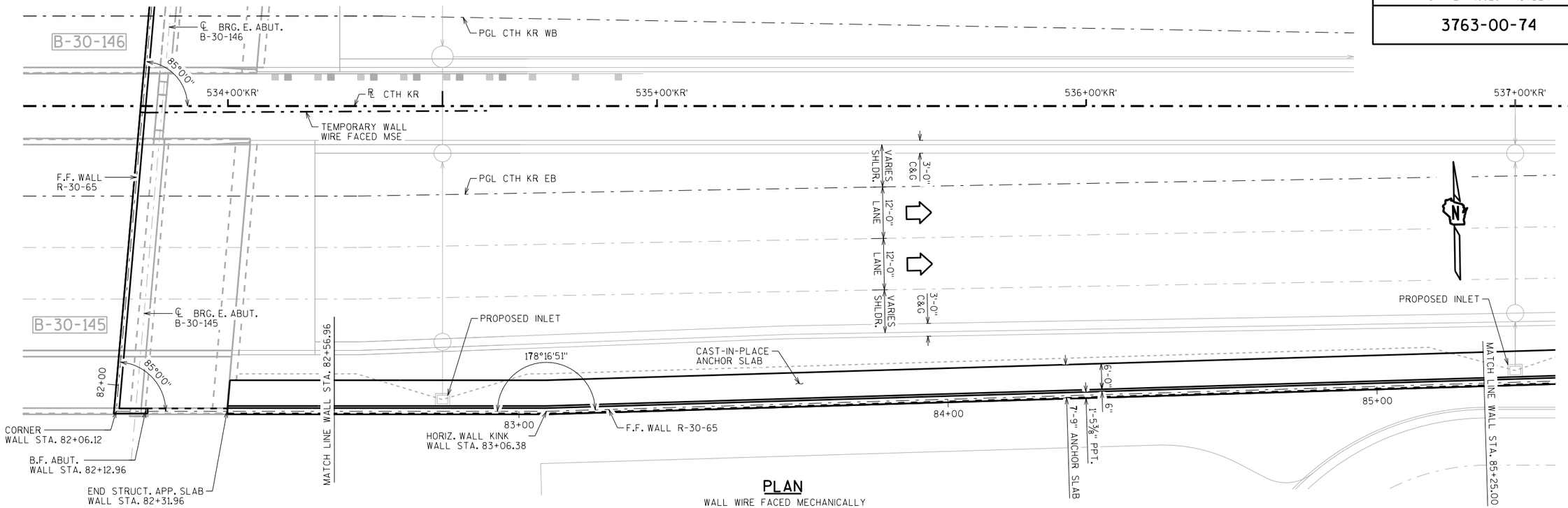
I.D. 3763-00-04G DATE: AUG. 2019

SCALE = 12.00

PRELIMINARY

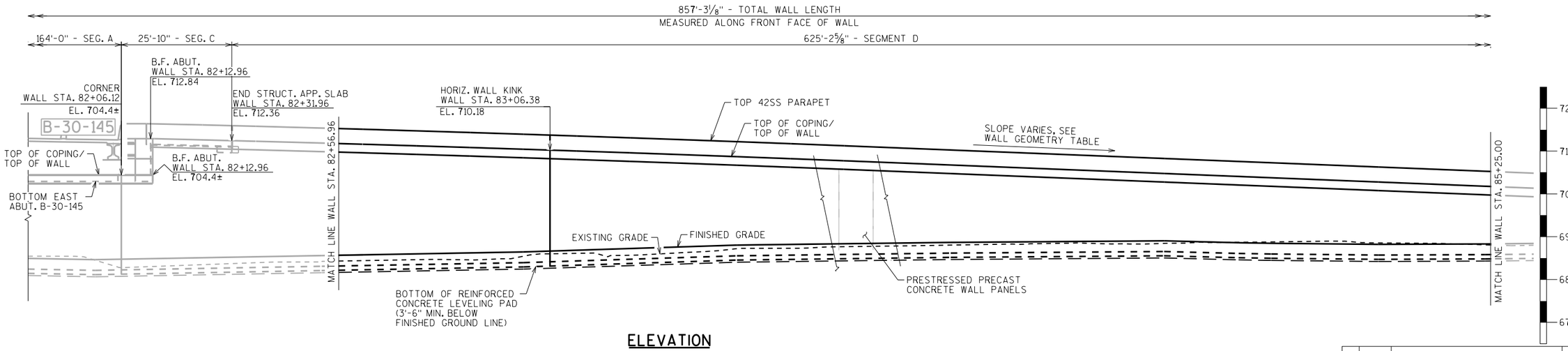
STATE PROJECT NUMBER

3763-00-74



PLAN

WALL WIRE FACED MECHANICALLY STABILIZED EARTH LRFD/QMP



ELEVATION

LOOKING NORTH AT FRONT FACE OF WALL
DISTANCES AND STATIONS ARE GIVEN ALONG THE FRONT FACE OF WALL
ELEVATIONS ARE GIVEN AT TOP OF WALL

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE R-30-65

DRAWN BY EMK | PLANS CK'D. SEW

GENERAL PLAN 2

SHEET 2

PRE_265

PRELIMINARY

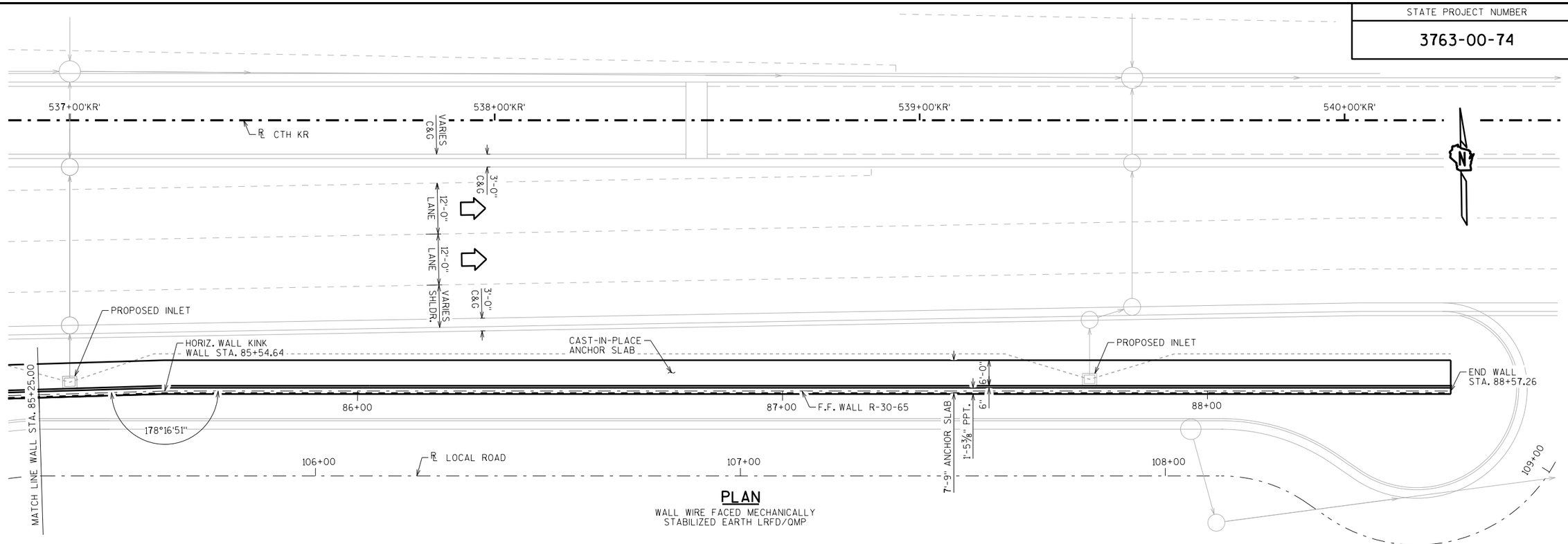
SCALE = 12.00

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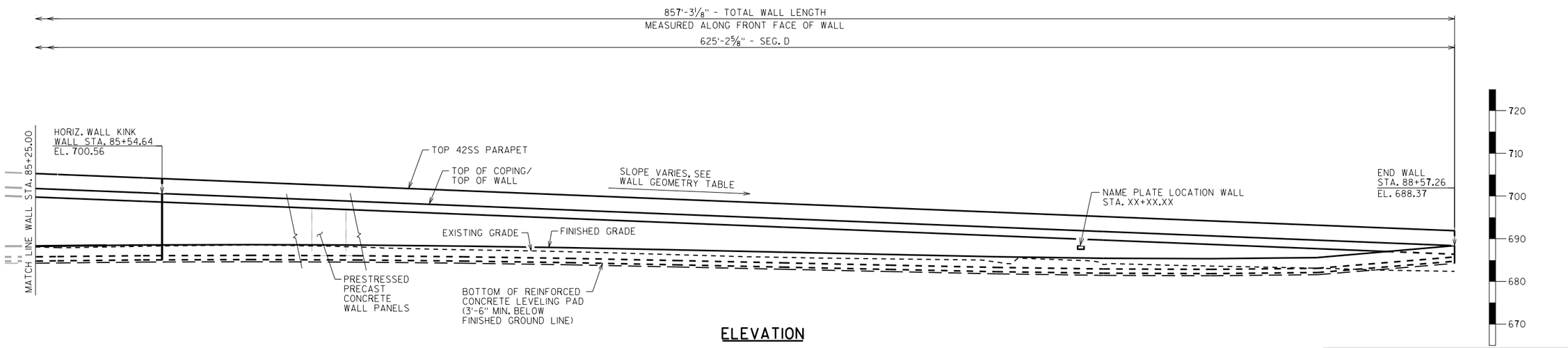
STATE PROJECT NUMBER

3763-00-74



PLAN

WALL WIRE FACED MECHANICALLY
STABILIZED EARTH LRFD/OMP



ELEVATION

LOOKING NORTH AT FRONT FACE OF WALL
DISTANCES AND STATIONS ARE GIVEN ALONG THE FRONT FACE OF WALL
ELEVATIONS ARE GIVEN AT TOP OF WALL

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE R-30-65

DRAWN BY EMK | PLANS CK'D. SEW

GENERAL PLAN 3

SHEET 3

PRE_266

PRELIMINARY

SCALE = 12.00

STATE PROJECT NUMBER

3763-00-74

SOIL PARAMETERS

SOIL DESCRIPTION	FRICTION ANGLE (DEGREES)	COHESION (PSF)	UNIT WEIGHT (PCF)
GRANULAR BACKFILL BEHIND THE WALL IN THE REINFORCING ZONE	30	0	120
FILL, GRANULAR BEHIND THE REINFORCING ZONE	30	0	120
BOR-__ - STA. XX+XX.XX - XX'LT/RT OF XXX			
(INSERT SOIL DESCRIPTION) EL. ---.-- TO EL ---.--	XX	XX	XXX
(INSERT SOIL DESCRIPTION) EL. ---.-- TO EL ---.--	XX	XX	XXX
(INSERT SOIL DESCRIPTION) EL. ---.-- TO EL ---.--	XX	XX	XXX
(INSERT SOIL DESCRIPTION) EL. ---.-- TO EL ---.--	XX	XX	XXX
(INSERT SOIL DESCRIPTION) EL. ---.-- TO EL ---.--	XX	XX	XXX
BOR-__ - STA. XX+XX.XX - XX'LT/RT OF XXX			
(INSERT SOIL DESCRIPTION) EL. ---.-- TO EL ---.--	XX	XX	XXX
(INSERT SOIL DESCRIPTION) EL. ---.-- TO EL ---.--	XX	XX	XXX
(INSERT SOIL DESCRIPTION) EL. ---.-- TO EL ---.--	XX	XX	XXX
(INSERT SOIL DESCRIPTION) EL. ---.-- TO EL ---.--	XX	XX	XXX
(INSERT SOIL DESCRIPTION) EL. ---.-- TO EL ---.--	XX	XX	XXX

WALL EXTERNAL & OVERALL STABILITY EVALUATION

DIMENSIONS					
WALL HEIGHT (FEET)	XX.X	XX.X	XX.X	XX.X	XX.X
EXPOSED WALL HEIGHT (FEET)	XX.X	XX.X	XX.X	XX.X	XX.X
MINIMUM LENGTH OF REINFORCEMENT (FEET)	XX.X	XX.X	XX.X	XX.X	XX.X
LENGTH OF REINFORCEMENT TO HEIGHT RATIO	XX.X	XX.X	XX.X	XX.X	XX.X
BORING LOCATION USED	BOR - XX	BOR - XX	BOR - XX	BOR - XX	BOR - XX
APPROXIMATE WALL STATION	XX.X	XX.X	XX.X	XX.X	XX.X
BACK SLOPE ABOVE WALL	XX.X	XX.X	XX.X	XX.X	XX.X
CAPACITY TO DEMAND RATIO (CDR)					
SLIDING (CDR > 1.0)	X.X	X.X	X.X	X.X	X.X
ECCENTRICITY (CDR > 1.0)	X.X	X.X	X.X	X.X	X.X
OVERALL STABILITY (CDR > 1.0)	X.X	X.X	X.X	X.X	X.X
BEARING RESISTANCE (CDR > 1.0)	X.X	X.X	X.X	X.X	X.X
FACTORED BEARING RESISTANCE (PSF)	XXXX	XXXX	XXXX	XXXX	XXXX

NOTES:
1.
2.
3.
4.
5.

GEOMETRY TABLE

	WALL STATION	TOP OF WALL EL.	FINISHED GRADE EL.	EXISTING GRADE EL.
SEG. A	80+00.00	687.51	687.31	686.97
	80+12.50	692.51	687.75	687.07
	80+25.00	697.51	688.20	687.40
	80+37.50	702.51	688.20	687.79
	80+42.12	704.4±	688.20	678.71
SEGMENT B	80+42.12	704.4±	688.20	678.71
	80+50.00	704.4±	688.20	686.84
	80+62.50	704.4±	687.54	686.45
	80+75.00	704.4±	686.87	685.60
	80+87.50	704.4±	686.21	685.22
	81+00.00	704.4±	685.54	685.27
	81+12.50	704.4±	685.54	685.17
	81+25.00	704.4±	685.54	685.14
	81+37.50	704.4±	685.54	685.35
	81+50.00	704.4±	685.54	684.83
	81+62.50	704.4±	685.31	684.80
	81+75.00	704.4±	685.07	685.35
	81+87.50	704.4±	684.83	685.41
	82+00.00	704.4±	684.60	684.44
	82+06.12	704.4±	684.11	682.75
SEGMENT C	82+06.12	704.4±	684.11	682.75
	82+09.38	704.4±	684.77	682.86
	82+09.38	704.4±	684.77	682.86
	82+12.96	704.4±	684.83	682.99
	82+12.96	712.84	684.83	682.99
	82+25.00	712.54	685.05	683.43
	82+31.96	712.36	685.18	683.69
SEGMENT D	82+31.96	712.36	685.18	683.69
	82+37.50	712.25	685.27	683.89
	82+50.00	711.91	685.50	684.06
	82+62.50	711.56	685.73	684.37
	82+75.00	711.18	685.95	684.59
	82+87.50	710.80	686.18	684.55
	83+00.00	710.39	686.40	685.39
	83+12.50	709.98	686.80	686.08

	WALL STATION	TOP OF WALL EL.	FINISHED GRADE EL.	EXISTING GRADE EL.
SEGMENT D	83+25.00	709.55	687.20	685.63
	83+37.50	709.11	687.60	686.25
	83+50.00	708.66	688.00	687.18
	83+62.50	708.19	688.16	687.26
	83+75.00	707.70	688.32	687.63
	83+87.50	707.20	688.47	687.80
	84+00.00	706.71	688.63	688.00
	84+12.50	706.21	688.72	688.22
	84+25.00	705.71	688.82	688.41
	84+37.50	705.22	688.91	688.26
	84+50.00	704.72	689.00	688.41
	84+62.50	704.23	688.68	688.62
	84+75.00	703.73	688.42	688.74
	85+87.50	699.24	688.56	688.34
	86+00.00	698.74	688.52	688.11
	86+12.50	698.23	688.39	687.68
	86+25.00	697.73	688.26	687.41
	86+37.50	697.22	688.08	687.21
	86+50.00	696.72	687.89	686.94
	86+62.50	696.22	687.64	686.61
	86+75.00	695.71	687.38	686.25
	86+87.50	695.21	687.11	685.89
	87+00.00	694.70	686.84	685.63
	87+12.50	694.20	686.57	685.42
	87+25.00	693.70	686.31	685.27
	87+37.50	693.19	686.04	685.11
	87+50.00	692.69	685.77	684.52
	87+62.50	692.18	685.59	685.18
	87+75.00	691.68	685.42	683.93
	87+87.50	691.18	685.37	683.87
	88+00.00	690.67	685.32	683.60
	88+12.50	690.17	685.45	683.35
	88+25.00	689.66	685.57	683.09
	88+37.50	689.16	686.60	682.68
	88+50.00	688.66	687.63	682.48

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED

BEVEL ALL EXPOSED EDGES OF CONCRETE ¾" UNLESS OTHERWISE NOTED.

BAR STEEL REINFORCEMENT SHALL HAVE 2" CLEAR COVER UNLESS OTHERWISE SHOWN OR NOTED.

ALL BAR STEEL REINFORCEMENT IN CAST-IN-PLACE CONCRETE IS TO BE EPOXY COATED.

HOT DIP GALVANIZE ALL STRUCTURAL STEEL CARBON IN ACCORDANCE WITH ASTM A123 WHERE SHOWN.

THE DESIGN OF THE WALL IN FRONT OF THE ABUTMENT SHALL INCLUDE THE HORIZONTAL EARTH LOADS AND 240 PSF LIVE LOAD SURCHARGE ACTING ON THE BACK OF THE ABUTMENT BELOW THE BEAM SEATS.

SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF JOINT FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER (1" DEEP & HOLD 1/8" BELOW THE SURFACE OF CONCRETE).

ALL WALL STATIONING ARE GIVEN AT THE FRONT FACE OF WALL R-30-65.

THE EXISTING GROUND LINE IS THE UPPER LIMITS OF EXCAVATION FOR STRUCTURES.

THE PLAN QUANTITY FOR THE BID ITEM "WALL WIRE FACED MECHANICALLY STABILIZED EARTH LRFD/QMP" IS BASED ON A WALL HEIGHT MEASURED FROM THE TOP OF THE WALL TO FINISHED GRADE.

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE LOCATION OF THE EXPANSION JOINTS.

OPTIONAL TRANSVERSE CONSTRUCTION JOINTS ARE PERMITTED IN THE FOOTING WITH A MINIMUM SPACING OF TWO PANEL WIDTHS. FOOTING JOINTS SHALL BE OFFSET A MINIMUM OF 1'-0" FROM WALL JOINTS. RUN BAR STEEL THRU FOOTING JOINTS.

THE COST OF FURNISHING AND PLACING THE FOOTING UNDER THE PRESTRESSED PRECAST CONCRETE WALL PANELS IS INCIDENTAL TO THE BID ITEM "PRESTRESSED PRECAST CONCRETE WALL PANEL".

THE QUANTITY OF CONCRETE MASONRY & REINFORCING STEEL FOR THE CAST-IN-PLACE COPING IS INCIDENTAL TO THE BID ITEM "PRESTRESSED PRECAST CONCRETE WALL PANEL".

DO NOT PERMIT CONCRETE OR FILL TO ACCUMULATE IN THE WALL CAVITY BETWEEN THE WIRE FACED MSE WALL AND PRECAST CONCRETE WALL PANEL.

AT THE BEGINNING AND END OF WALL, SEAL OPENING BETWEEN FACE OF WIRE FACED WALL AND PRECAST CONCRETE WALL PANEL WITH 1'-6" WIDE COLUMN OF CONCRETE. THIS IS INCIDENTAL TO THE BID ITEM "PRESTRESSED PRECAST CONCRETE WALL PANEL".

THE VOLUME OF EARTHWORK REQUIRED TO INSTALL THE FOOTING, WIRE FACED WALL, MSE BACKFILL, AND SOIL REINFORCEMENT IS INCIDENTAL TO THE BID ITEM "WALL WIRE FACED MECHANICALLY STABILIZED EARTH LRFD/QMP".

THE CONTRACTOR MUST COORDINATE THE CONSTRUCTION OF WALL R-30-65 WITH THE CONSTRUCTION OF BRIDGE B-30-145 AND B-30-146.

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	TOTALS
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	
513.2001	RAILING PIPE	LF	
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	
616.0206	FENCE CHAIN LINK 6-FT.	LF	
SPV.0165	PRESTRESSED PRECAST CONCRETE WALL PANEL	SF	
SPV.0165	WALL WIRE FACED MECHANICALLY STABILIZED EARTH	SF	
SPV.0165	TEMPORARY WALL WIRE FACED MECHANICALLY STABILIZED EARTH	SF	
	NON-BID ITEMS		
	PREFORMED JOINT FILLER	SIZE	½" & ¾"
	NON-BITUMINOUS JOINT SEALER	SIZE	½" & ¾"
	EXPANDED POLYSTYRENE	SIZE	1"
	CLOSED CELL NEOPRENE FILLER	SIZE	1" X 1"

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE R-30-65

DRAWN BY EMK | PLANS CK'D. SEW

SHEET 4

QUANTITIES & WALL DATA

PRE_267

PRELIMINARY

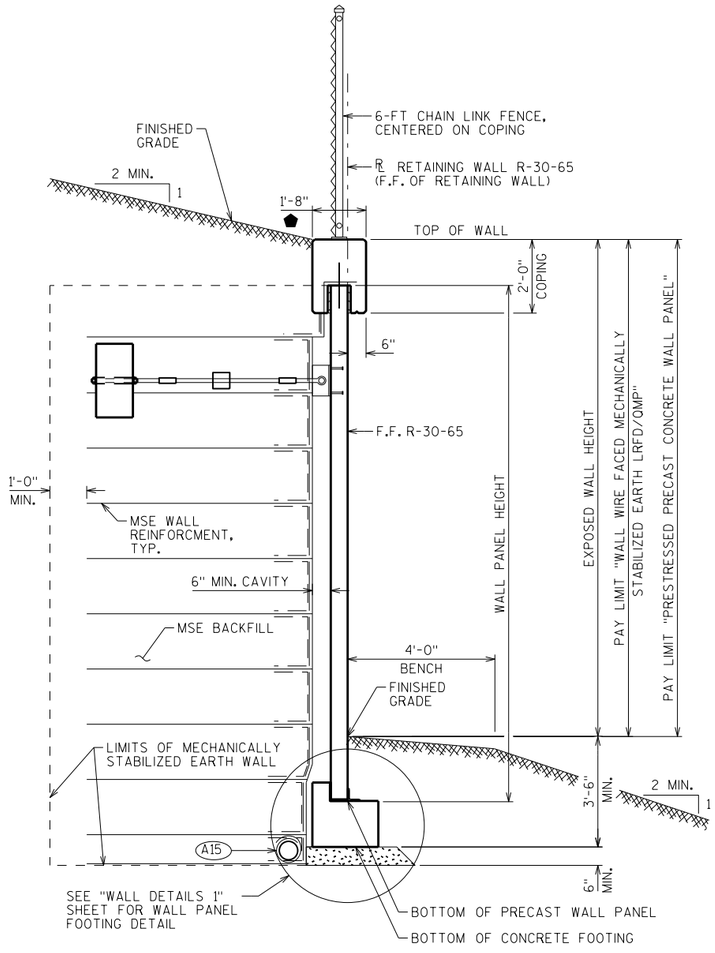
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STATE PROJECT NUMBER

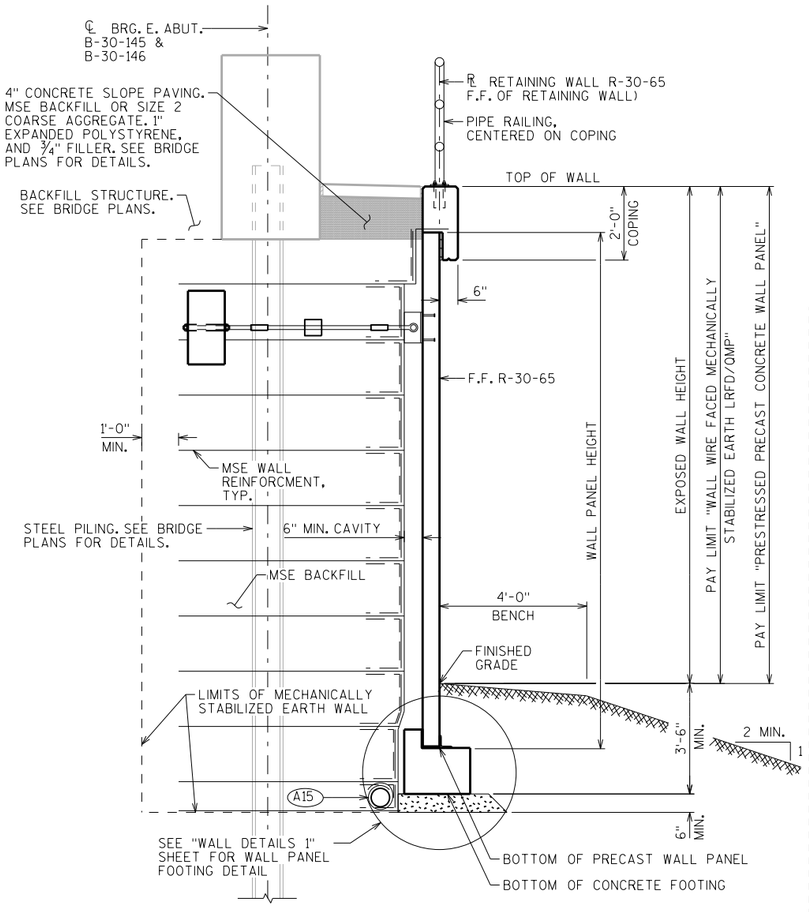
3763-00-74



TYPICAL SECTION WITH NO ABUTMENT

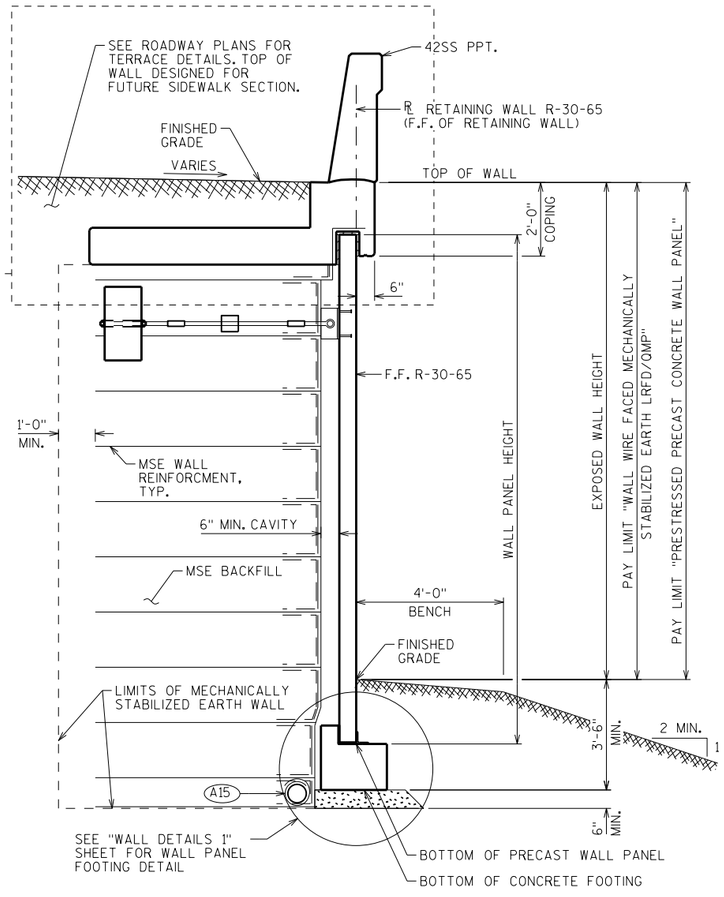
LOOKING SOUTH
SEGMENT A SHOWN

⬟ DIMENSION ASSUME 8" THICK PRECAST PRESTRESSED WALL PANEL. ADJUST AS NEEDED.



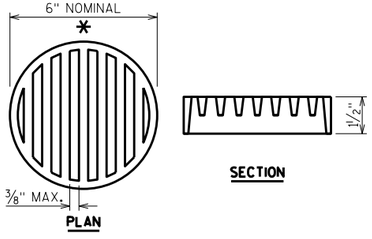
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LOOKING SOUTH
SEGMENT B



TYPICAL SECTION

LOOKING EAST
SEGMENT D

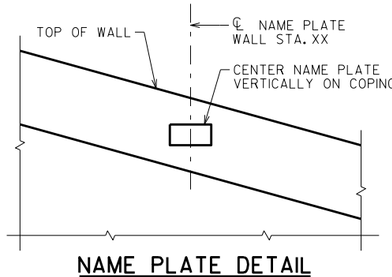


RODENT SHIELD DETAIL

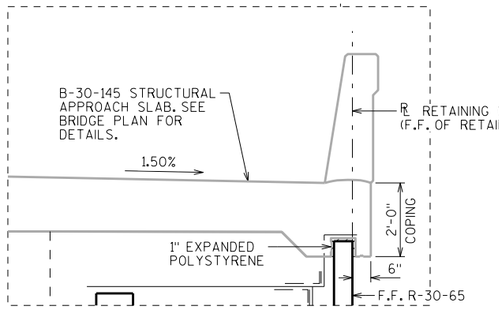
✱ DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING. ORIENT SO SLOTS ARE VERTICAL.

THE RODENT SHIELD, PIPE COUPLING AND SCREWS SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM "PIPE UNDERDRAIN WRAPPED 6-INCH".

THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHEMENT OF THIS SHIELD TO THE EXPOSED END OF THE PIPE UNDERDRAIN. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 X 1-INCH STAINLESS STEEL SHEET METAL SCREWS.



NAME PLATE DETAIL



TYPICAL SECTION

LOOKING WEST
SEGMENT C

(A15) PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. RODENT SHIELD REQUIRED.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE R-30-65

DRAWN BY EMK | PLANS CK'D. SEW

WALL CROSS SECTIONS

SHEET 5

PRE_268

PRELIMINARY

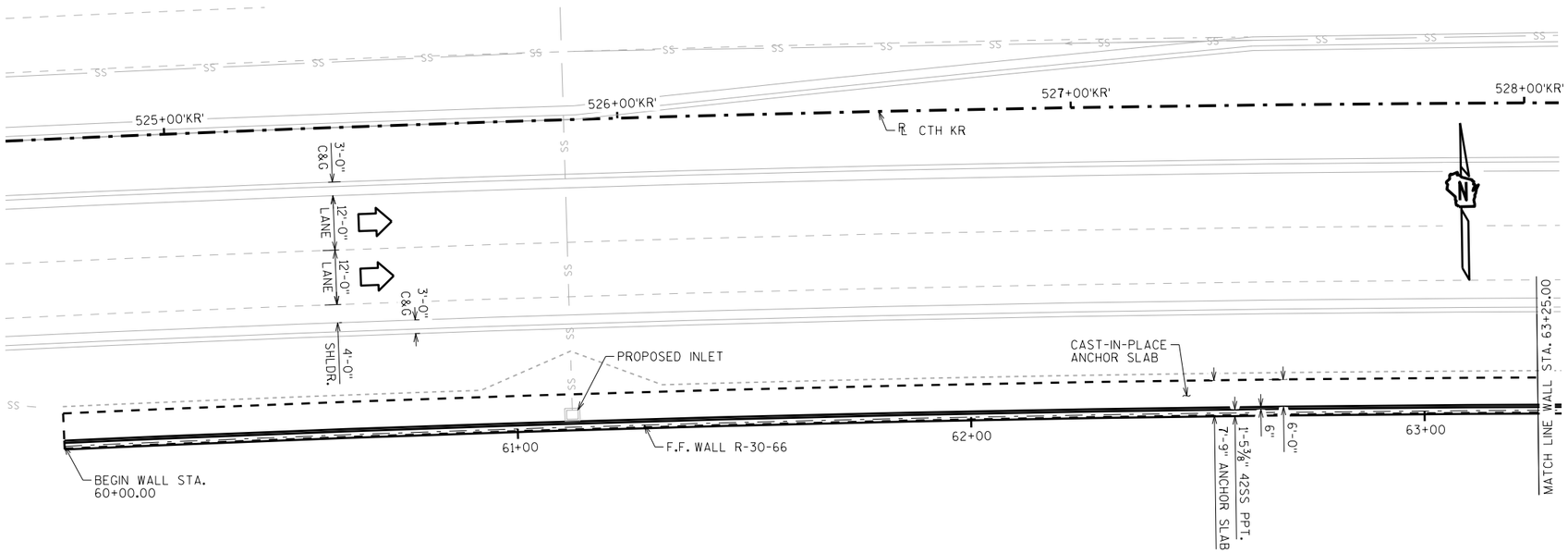
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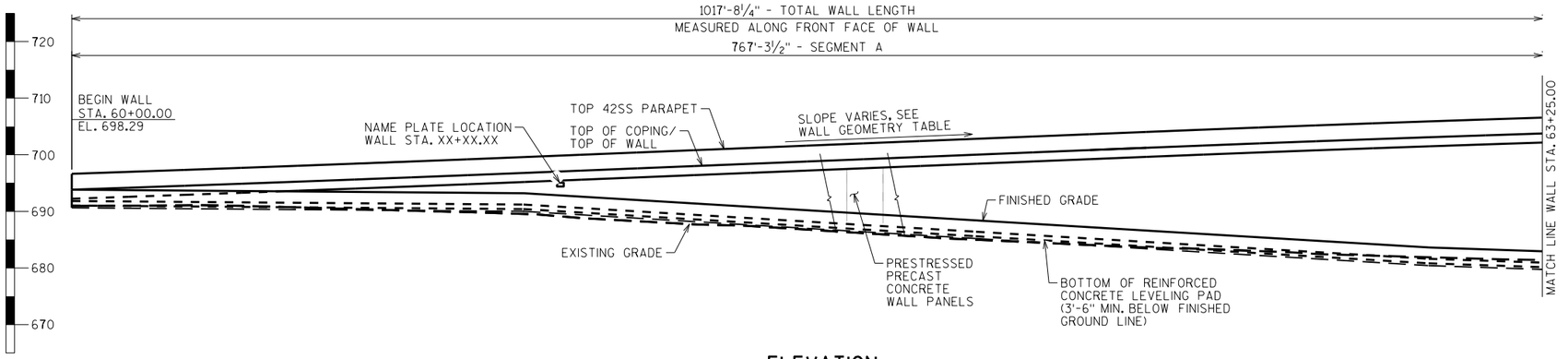
STATE PROJECT NUMBER

3763-00-74



PLAN

WALL WIRE FACED MECHANICALLY
STABILIZED EARTH LRFD/QMP



ELEVATION

LOOKING NORTH AT FRONT FACE OF WALL
DISTANCES AND STATIONS ARE GIVEN ALONG THE FRONT FACE OF WALL
ELEVATIONS ARE GIVEN AT TOP OF WALL

DESIGN DATA

THE CONTRACTOR SHALL PROVIDE COMPLETE DESIGN, PLANS, DETAILS, SPECIFICATIONS, AND SHOP DRAWINGS FOR THE RETAINING WALLS IN ACCORDANCE WITH THE SPECIAL PROVISIONS. THE RETAINING WALL MANUFACTURER SHALL PROVIDE TECHNICAL ASSISTANCE TO THE CONTRACTOR DURING CONSTRUCTION. THE COST OF FURNISHING THESE ITEMS SHALL BE INCLUDED IN THE BID ITEM "WALL WIRE FACED MECHANICALLY STABILIZED EARTH LRFD/QMP".

PLANS, ELEVATIONS, AND DETAILS SHOWN ON THESE PLANS ARE INTENDED TO INDICATE WALL LOCATIONS, LENGTHS, HEIGHTS, AND DETAILS COMMON TO THE WALL SYSTEM SELECTED. THE CONTRACTOR SHALL VERIFY THAT THE WALL SYSTEM SELECTED WILL CONFORM TO THE REQUIRED ALIGNMENTS AND DETAILS.

THE RETAINING WALL SHALL BE DESIGNED USING THE ELEVATIONS GIVEN ON SHEET 4.

DESIGN FOR RETAINING WALL TO PROVIDE FOR FINISHED GRADE SLOPED BEHIND WALL AS SHOWN.

DESIGN RETAINING WALL FOR A LIVE LOAD SURCHARGE OF 240 PSF.

DESIGN RETAINING WALL FOR A WIND SUCTION LOAD OF 20 PSF ON THE PRECAST PANEL.

THE MAXIMUM VALUE OF THE ANGLE OF INTERNAL FRICTION OF THE WALL BACKFILL MATERIAL IN THE REINFORCED ZONE SHALL BE ASSUMED TO BE 30° WITHOUT CERTIFIED TEST VALUES.

ALLOWABLE WALL SYSTEMS

WALL WIRE FACED MECHANICALLY STABILIZED EARTH LRFD/QMP

MATERIAL PROPERTIES

CONCRETE MASONRY RETAINING WALLS (VEHICLE BARRIER, COPING, FOOTING, AND DEADMAN ANCHORS) — f'c = 3,500 P.S.I.

PRESTRESSED PRECAST CONCRETE WALL PANEL — f'c = 5,000 P.S.I.

BAR STEEL REINFORCEMENT, GRADE 60 — fy = 60,000 P.S.I.

STRUCTURAL STEEL CARBON - ASTM A36 — fy = 36,000 P.S.I.

LIST OF DRAWINGS

1. GENERAL PLAN 1
2. GENERAL PLAN 2
3. GENERAL PLAN 3
4. QUANTITIES & WALL DATA
5. WALL CROSS SECTIONS

PRELIMINARY PLAN

CURVE DATA

WALL CURVE 1

P.I. =
△ =
D =
T =
L = 357.28
R = 7995.27
P.C. = 60+00.00
P.T. = 63+57.28

STRUCTURE DESIGN CONTACTS:
EMILY KUEHNE (608) 266-5089
AARON BONK (608) 261-0261

NO.	DATE	REVISION	BY

BUREAU OF STRUCTURES

ACCEPTED _____ _____
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE R-30-66

WALL ALONG W. ABUT. B-30-145 & B-30-146

COUNTY	VILLAGE
KENOSHA	MOUNT PLEASANT

DESIGN SPEC.
AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGNED CK'D.	DRAWN BY	PLANS CK'D.
EMK	SEW	EMK	SEW

GENERAL PLAN 1

SHEET 1 OF 5

PRE_269

PRELIMINARY

I.D. 3763-00-04H DATE: AUG. 2019

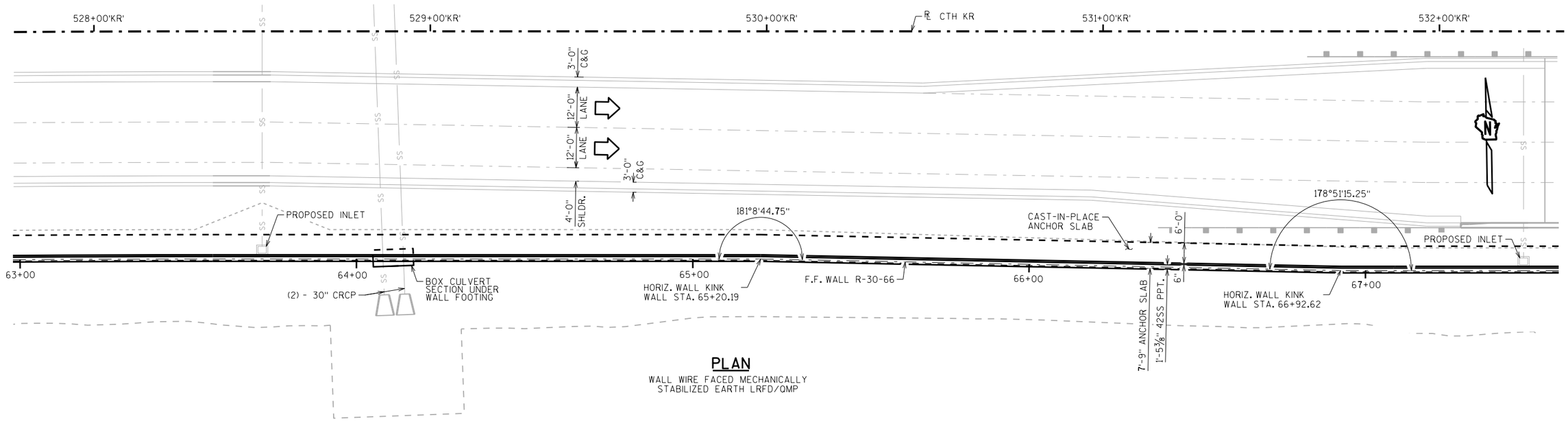
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STATE PROJECT NUMBER

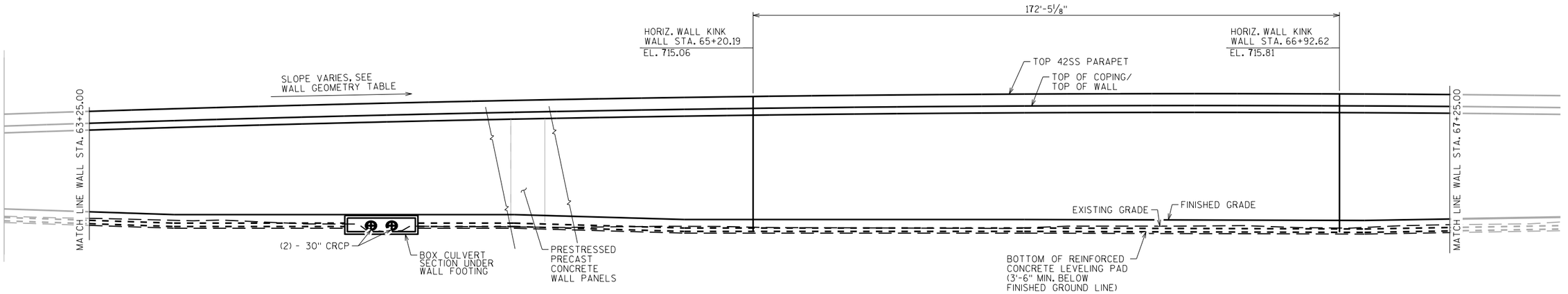
3763-00-74



PLAN

WALL WIRE FACED MECHANICALLY STABILIZED EARTH LRFD/OMP

1017'-8¼" - TOTAL WALL LENGTH
MEASURED ALONG FRONT FACE OF WALL
767'- 3½" - SEGMENT A



ELEVATION

LOOKING NORTH AT FRONT FACE OF WALL
DISTANCES AND STATIONS ARE GIVEN ALONG THE FRONT FACE OF WALL
ELEVATIONS ARE GIVEN AT TOP OF WALL

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE R-30-66

DRAWN BY EMK | PLANS CK'D. SEW

GENERAL PLAN 2

SHEET 2

PRE_270

PRELIMINARY

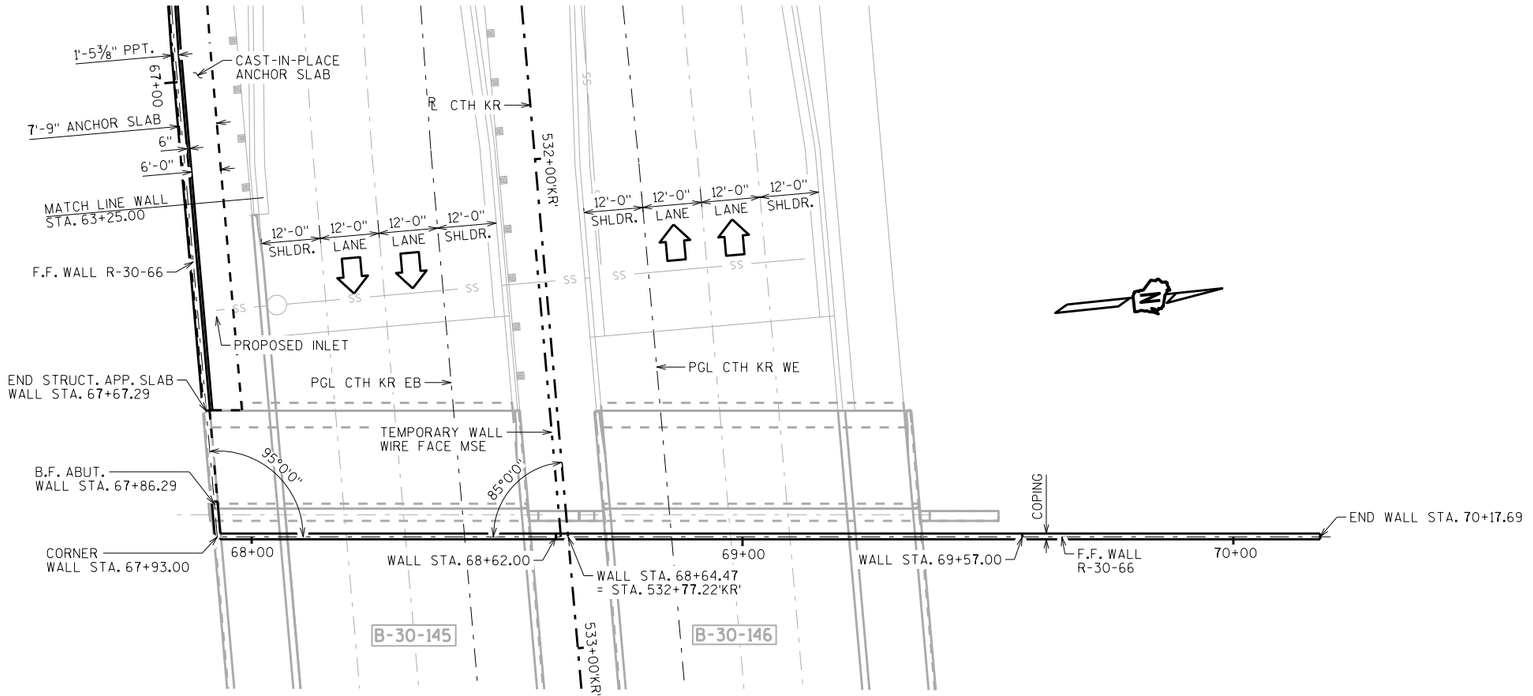
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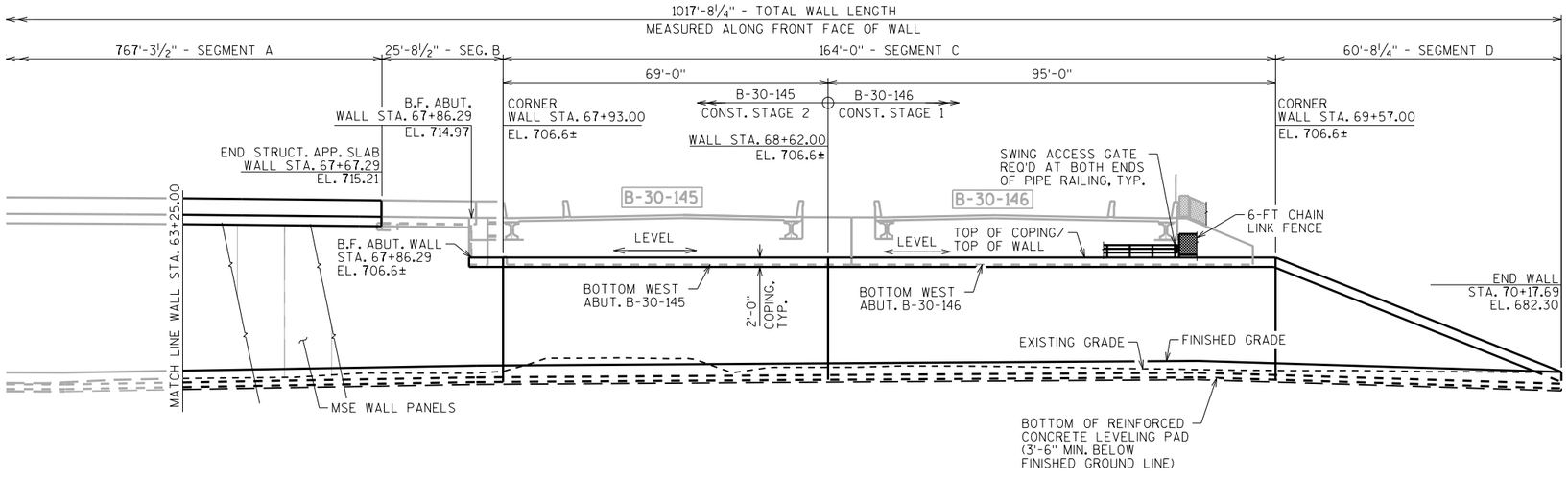
STATE PROJECT NUMBER

3763-00-74



PLAN

WALL WIRE FACED MECHANICALLY STABILIZED EARTH LRFD/QMP



ELEVATION

LOOKING WEST AT FRONT FACE OF WALL
DISTANCES AND STATIONS ARE GIVEN ALONG THE FRONT FACE OF WALL
ELEVATIONS ARE GIVEN AT TOP OF WALL

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE R-30-66

DRAWN BY EMK | PLANS CK'D. SEW

GENERAL PLAN 3

SHEET 3

PRE_271

PRELIMINARY

SCALE = 15.00

SOIL PARAMETERS

SOIL DESCRIPTION	FRICTION ANGLE (DEGREES)	COHESION (PSF)	UNIT WEIGHT (PCF)
GRANULAR BACKFILL BEHIND THE WALL IN THE REINFORCING ZONE	30	0	120
FILL, GRANULAR BEHIND THE REINFORCING ZONE	30	0	120
BOR-__ - STA. XX+XX.XX - XX'LT/RT OF XXX			
(INSERT SOIL DESCRIPTION) EL. ---.-- TO EL ---.--	XX	XX	XXX
(INSERT SOIL DESCRIPTION) EL. ---.-- TO EL ---.--	XX	XX	XXX
(INSERT SOIL DESCRIPTION) EL. ---.-- TO EL ---.--	XX	XX	XXX
(INSERT SOIL DESCRIPTION) EL. ---.-- TO EL ---.--	XX	XX	XXX
(INSERT SOIL DESCRIPTION) EL. ---.-- TO EL ---.--	XX	XX	XXX
BOR-__ - STA. XX+XX.XX - XX'LT/RT OF XXX			
(INSERT SOIL DESCRIPTION) EL. ---.-- TO EL ---.--	XX	XX	XXX
(INSERT SOIL DESCRIPTION) EL. ---.-- TO EL ---.--	XX	XX	XXX
(INSERT SOIL DESCRIPTION) EL. ---.-- TO EL ---.--	XX	XX	XXX
(INSERT SOIL DESCRIPTION) EL. ---.-- TO EL ---.--	XX	XX	XXX
(INSERT SOIL DESCRIPTION) EL. ---.-- TO EL ---.--	XX	XX	XXX

WALL EXTERNAL & OVERALL STABILITY EVALUATION

DIMENSIONS					
WALL HEIGHT (FEET)	XX.X	XX.X	XX.X	XX.X	XX.X
EXPOSED WALL HEIGHT (FEET)	XX.X	XX.X	XX.X	XX.X	XX.X
MINIMUM LENGTH OF REINFORCEMENT (FEET)	XX.X	XX.X	XX.X	XX.X	XX.X
LENGTH OF REINFORCEMENT TO HEIGHT RATIO	XX.X	XX.X	XX.X	XX.X	XX.X
BORING LOCATION USED	BOR - XX	BOR - XX	BOR - XX	BOR - XX	BOR - XX
APPROXIMATE WALL STATION	XX.X	XX.X	XX.X	XX.X	XX.X
BACK SLOPE ABOVE WALL	XX.X	XX.X	XX.X	XX.X	XX.X
CAPACITY TO DEMAND RATIO (CDR)					
SLIDING (CDR > 1.0)	X.X	X.X	X.X	X.X	X.X
ECCENTRICITY (CDR > 1.0)	X.X	X.X	X.X	X.X	X.X
OVERALL STABILITY (CDR > 1.0)	X.X	X.X	X.X	X.X	X.X
BEARING RESISTANCE (CDR > 1.0)	X.X	X.X	X.X	X.X	X.X
FACTORED BEARING RESISTANCE (PSF)	XXXX	XXXX	XXXX	XXXX	XXXX

NOTES:
1.
2.
3.
4.
5.

GEOMETRY TABLE

	WALL STATION	TOP OF WALL EL.	FINISHED GRADE EL.	EXISTING GRADE EL.
SEGMENT A	60+00.00	698.29	698.00	694.67
	60+12.50	698.72	697.94	694.75
	60+25.00	699.15	697.87	694.83
	60+37.50	699.60	697.81	694.70
	60+50.00	700.06	697.75	694.37
	60+62.50	700.53	697.69	694.01
	60+75.00	701.00	697.62	693.65
	60+87.50	701.49	697.56	693.33
	61+00.00	701.98	697.50	692.92
	61+12.50	702.49	696.75	692.03
	61+25.00	702.99	696.00	691.33
	61+37.50	703.50	695.25	690.64
	61+50.00	704.00	694.50	690.26
	61+62.50	704.51	693.75	689.47
	61+75.00	705.01	693.00	688.69
	61+87.50	705.51	692.25	687.90
	62+00.00	706.02	691.50	687.23
	62+12.50	706.52	690.75	686.66
	62+25.00	707.03	690.01	686.08
	62+37.50	707.53	689.26	685.49
	62+50.00	708.03	688.51	685.21
	62+62.50	708.51	687.77	684.73
	62+75.00	708.98	687.02	684.11
	62+87.50	709.43	686.27	683.73
	63+00.00	709.86	685.53	683.37
	63+12.50	710.28	685.11	683.01
	63+25.00	710.69	684.69	682.76
	63+37.50	711.08	684.27	682.49
	63+50.00	711.45	683.85	682.17
	63+62.50	711.81	683.85	682.22
	63+75.00	712.15	683.85	681.73
	63+87.50	712.48	683.85	681.20
	64+00.00	712.80	683.85	681.09
	64+12.50	713.10	683.85	678.85
	64+25.00	713.39	683.85	680.41
	64+37.50	713.65	683.85	680.33
	64+50.00	713.91	683.85	680.25
	64+62.50	714.15	683.49	680.10
	64+75.00	714.38	683.13	680.22
	64+87.50	714.58	682.78	680.36
	65+00.00	714.78	682.42	680.41
	65+12.50	714.96	682.42	680.34
	65+25.00	715.12	682.42	680.07
	65+37.50	715.27	682.42	680.01
	65+50.00	715.40	682.42	679.96
	65+62.50	715.51	682.42	679.91
	65+75.00	715.61	682.42	679.87
	65+87.50	715.70	682.42	679.82
	66+00.00	715.77	682.42	679.96
	66+12.50	715.82	682.38	680.45
	66+25.00	715.86	682.35	680.46
	66+37.50	715.89	682.31	680.46
	66+50.00	715.90	682.27	680.51
	66+62.50	715.89	682.24	680.60
	66+75.00	715.87	682.20	680.24
	66+87.50	715.83	682.17	679.96
	67+00.00	715.79	682.13	680.08

	WALL STATION	TOP OF WALL EL.	FINISHED GRADE EL.	EXISTING GRADE EL.
SEGMENT A	67+12.50	715.72	682.35	680.63
	67+25.00	715.64	682.56	680.90
	67+37.50	715.51	682.78	681.03
	67+50.00	715.38	682.99	681.23
	67+62.50	715.25	683.20	682.00
	67+67.29	715.21	683.29	682.00
SEGMENT B	67+67.29	715.21	683.29	682.00
	67+75.00	715.12	683.42	682.03
	67+86.29	714.97	683.61	682.03
	67+86.29	705.13	683.61	682.03
	67+87.50	705.13	683.62	682.08
	67+89.73	705.13	683.65	682.21
	67+89.73	706.57	683.65	682.21
	67+93.00	706.6±	683.67	682.40
SEGMENT C	67+93.00	706.6±	683.67	682.40
	68+00.00	706.6±	683.71	684.46
	68+12.50	706.6±	683.79	685.24
	68+25.00	706.6±	683.88	685.17
	68+37.50	706.6±	683.96	683.61
	68+50.00	706.6±	684.04	683.25
	68+62.50	706.6±	684.12	683.28
	68+75.00	706.6±	684.20	683.50
	68+87.50	706.6±	684.28	683.54
	69+00.00	706.6±	684.37	683.45
	69+12.50	706.6±	684.45	683.24
	69+25.00	706.6±	684.53	683.02
	69+37.50	706.6±	684.61	682.86
	69+50.00	706.6±	684.34	682.65
	69+57.00	706.6±	684.13	682.60
SEGMENT D	69+57.00	706.6±	684.13	682.60
	69+62.50	704.37	683.96	682.56
	69+75.00	699.37	683.58	682.57
	69+87.50	694.37	683.21	682.39
	70+00.00	689.37	682.83	682.31
	70+12.50	684.37	682.45	682.28
	70+17.69	682.30	682.29	682.29

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED

BEVEL ALL EXPOSED EDGES OF CONCRETE ¾" UNLESS OTHERWISE NOTED.

BAR STEEL REINFORCEMENT SHALL HAVE 2" CLEAR COVER UNLESS OTHERWISE SHOWN OR NOTED.

ALL BAR STEEL REINFORCEMENT IN CAST-IN-PLACE CONCRETE IS TO BE EPOXY COATED.

HOT DIP GALVANIZE ALL STRUCTURAL STEEL CARBON IN ACCORDANCE WITH ASTM A123 WHERE SHOWN.

THE DESIGN OF THE WALL IN FRONT OF THE ABUTMENT SHALL INCLUDE THE HORIZONTAL EARTH LOADS AND 240 PSF LIVE LOAD SURCHARGE ACTING ON THE BACK OF THE ABUTMENT BELOW THE BEAM SEATS.

SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF JOINT FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER (1" DEEP & HOLD 1/8" BELOW THE SURFACE OF CONCRETE).

ALL WALL STATIONING ARE GIVEN AT THE FRONT FACE OF WALL R-30-66.

THE EXISTING GROUND LINE IS THE UPPER LIMITS OF EXCAVATION FOR STRUCTURES.

THE PLAN QUANTITY FOR THE BID ITEM "WALL WIRE FACED MECHANICALLY STABILIZED EARTH LRFD/QMP" IS BASED ON A WALL HEIGHT MEASURED FROM THE TOP OF THE WALL TO FINISHED GRADE.

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE LOCATION OF THE EXPANSION JOINTS.

OPTIONAL TRANSVERSE CONSTRUCTION JOINTS ARE PERMITTED IN THE FOOTING WITH A MINIMUM SPACING OF TWO PANEL WIDTHS. FOOTING JOINTS SHALL BE OFFSET A MINIMUM OF 1'-0" FROM WALL JOINTS. RUN BAR STEEL THRU FOOTING JOINTS.

THE COST OF FURNISHING AND PLACING THE FOOTING UNDER THE PRESTRESSED PRECAST CONCRETE WALL PANELS IS INCIDENTAL TO THE BID ITEM "PRESTRESSED PRECAST CONCRETE WALL PANEL".

THE QUANTITY OF CONCRETE MASONRY & REINFORCING STEEL FOR THE CAST-IN-PLACE COPING IS INCIDENTAL TO THE BID ITEM "PRESTRESSED PRECAST CONCRETE WALL PANEL".

DO NOT PERMIT CONCRETE OR FILL TO ACCUMULATE IN THE WALL CAVITY BETWEEN THE WIRE FACED MSE WALL AND PRECAST CONCRETE WALL PANEL.

AT THE BEGINNING AND END OF WALL, SEAL OPENING BETWEEN FACE OF WIRE FACED WALL AND PRECAST CONCRETE WALL PANEL WITH 1'-6" WIDE COLUMN OF CONCRETE. THIS IS INCIDENTAL TO THE BID ITEM "PRESTRESSED PRECAST CONCRETE WALL PANEL".

THE VOLUME OF EARTHWORK REQUIRED TO INSTALL THE FOOTING, WIRE FACED WALL, MSE BACKFILL, AND SOIL REINFORCEMENT IS INCIDENTAL TO THE BID ITEM "WALL WIRE FACED MECHANICALLY STABILIZED EARTH LRFD/QMP".

THE CONTRACTOR MUST COORDINATE THE CONSTRUCTION OF WALL R-30-66 WITH THE CONSTRUCTION OF BRIDGE B-30-145 AND B-30-146.

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	TOTALS
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	
513.2001	RAILING PIPE	LF	
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	
616.0206	FENCE CHAIN LINK 6-FT.	LF	
SPV.0165	PRESTRESSED PRECAST CONCRETE WALL PANEL	SF	
SPV.0165	WALL WIRE FACED MECHANICALLY STABILIZED EARTH	SF	
SPV.0165	TEMPORARY WALL WIRE FACED MECHANICALLY STABILIZED EARTH	SF	
	NON-BID ITEMS		
	PREFORMED JOINT FILLER	SIZE	½" & ¾"
	NON-BITUMINOUS JOINT SEALER	SIZE	½" & ¾"
	EXPANDED POLYSTYRENE	SIZE	1"
	CLOSED CELL NEOPRENE FILLER	SIZE	1" X 1"

STATE PROJECT NUMBER

3763-00-74

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE R-30-66

DRAWN BY EMK | PLANS CK'D. SEW

QUANTITIES & WALL DATA

SHEET 4

PRE_272

PRELIMINARY

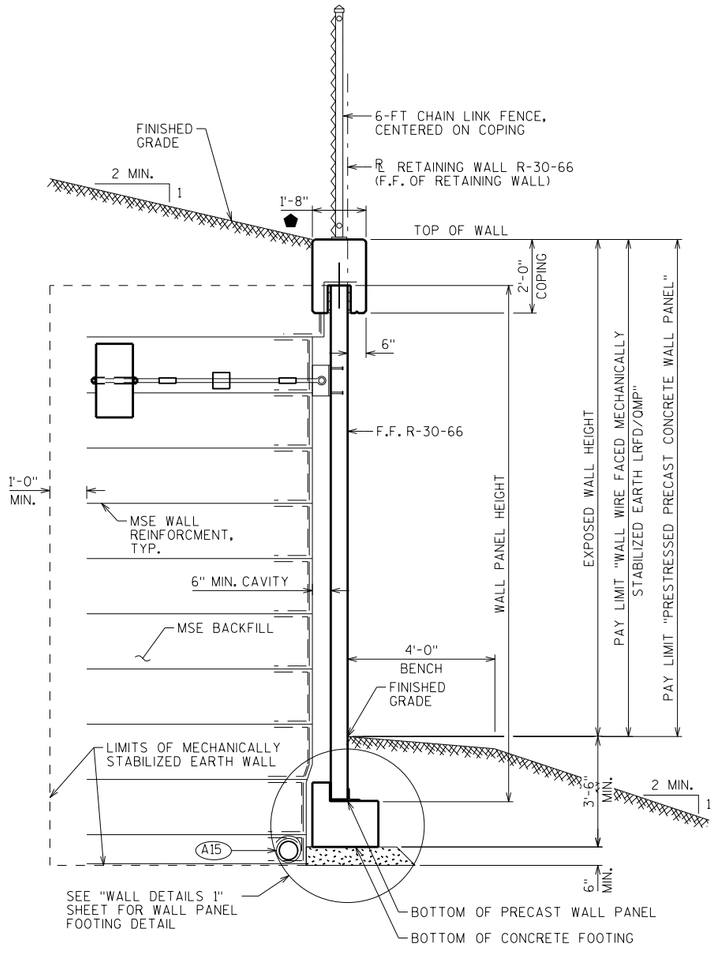
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STATE PROJECT NUMBER

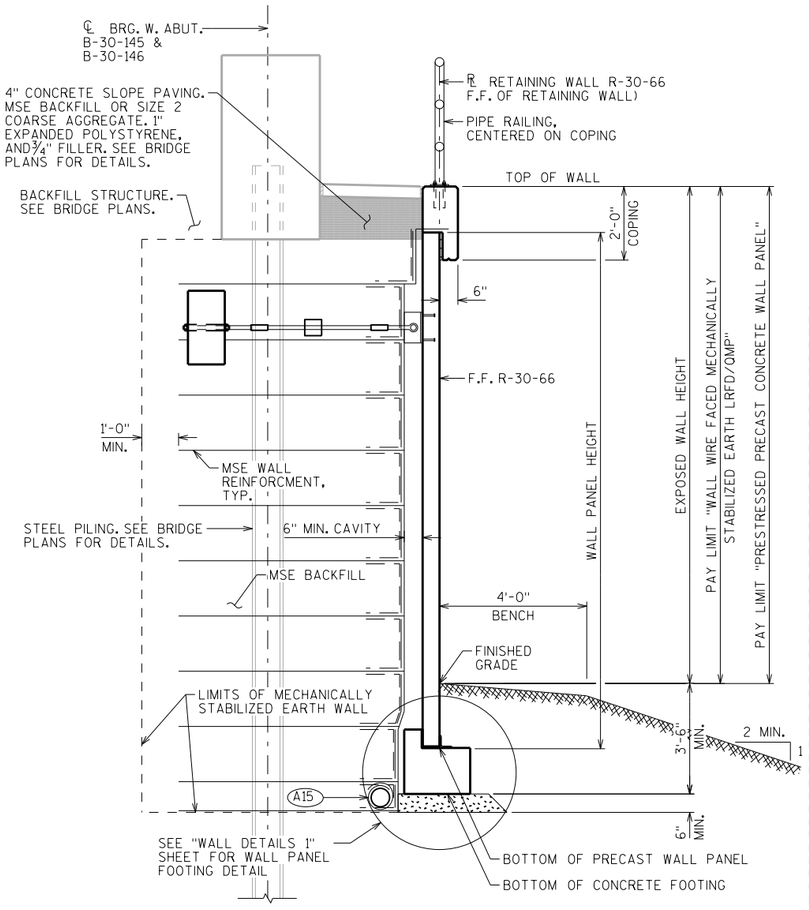
3763-00-74



TYPICAL SECTION WITH NO ABUTMENT

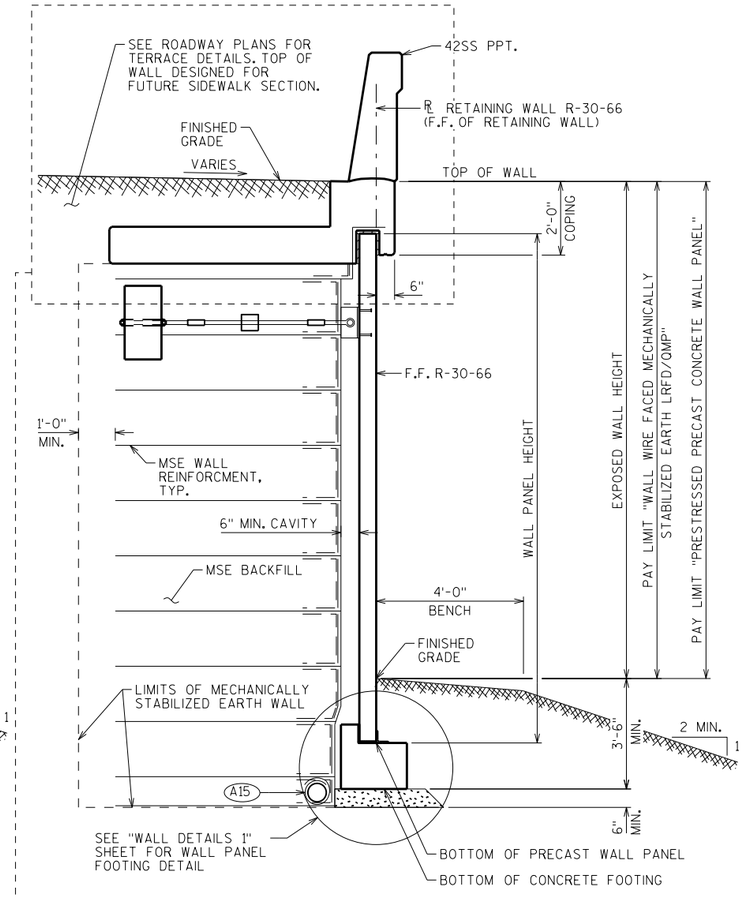
LOOKING NORTH
SEGMENT D SHOWN

⬟ DIMENSION ASSUME 8" THICK PRECAST PRESTRESSED WALL PANEL. ADJUST AS NEEDED.



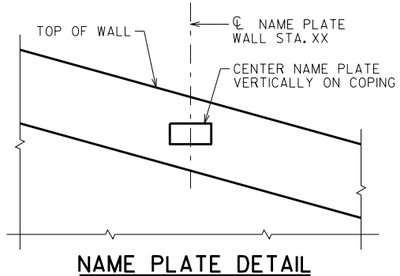
TYPICAL SECTION AT ABUTMENT

LOOKING NORTH
SEGMENT C

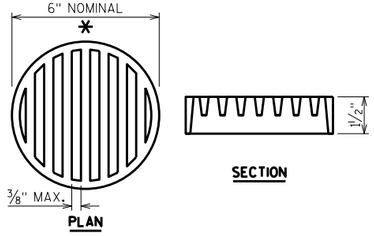


TYPICAL SECTION

LOOKING EAST
SEGMENT A



NAME PLATE DETAIL

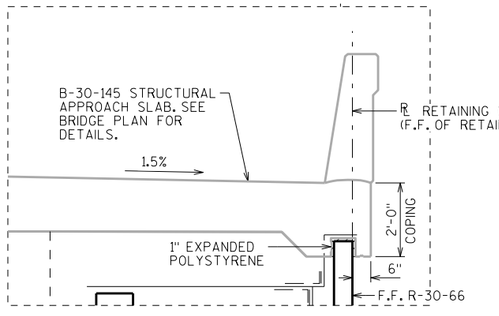


RODENT SHIELD DETAIL

* DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING. ORIENT SO SLOTS ARE VERTICAL.

THE RODENT SHIELD, PIPE COUPLING AND SCREWS SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM "PIPE UNDERDRAIN WRAPPED 6-INCH".

THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHEMENT OF THIS SHIELD TO THE EXPOSED END OF THE PIPE UNDERDRAIN. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 X 1-INCH STAINLESS STEEL SHEET METAL SCREWS.



TYPICAL SECTION

LOOKING EAST
SEGMENT B

(A15) PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. RODENT SHIELD REQUIRED.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE R-30-66

DRAWN BY EMK | PLANS CK'D. SEW

WALL CROSS SECTIONS

SHEET 5

PRE_273

PRELIMINARY

SCALE = 2.00

8

8

STATE PROJECT NUMBER

3763-00-74

DESIGN DATA

THE CONTRACTOR SHALL PROVIDE COMPLETE DESIGN, PLANS, DETAILS, SPECIFICATIONS, AND SHOP DRAWINGS FOR THE RETAINING WALLS IN ACCORDANCE WITH THE SPECIAL PROVISIONS. THE RETAINING WALL MANUFACTURER SHALL PROVIDE TECHNICAL ASSISTANCE TO THE CONTRACTOR DURING CONSTRUCTION. THE COST OF FURNISHING THESE ITEMS SHALL BE INCLUDED IN THE BID ITEM "WALL WIRE FACED MECHANICALLY STABILIZED EARTH LRFD/QMP".

PLANS, ELEVATIONS, AND DETAILS SHOWN ON THESE PLANS ARE INTENDED TO INDICATE WALL LOCATIONS, LENGTHS, HEIGHTS, AND DETAILS COMMON TO THE WALL SYSTEM SELECTED. THE CONTRACTOR SHALL VERIFY THAT THE WALL SYSTEM SELECTED WILL CONFORM TO THE REQUIRED ALIGNMENTS AND DETAILS.

THE RETAINING WALL SHALL BE DESIGNED USING THE ELEVATIONS GIVEN ON SHEET 2.

DESIGN FOR RETAINING WALL TO PROVIDE FOR FINISHED GRADE SLOPED BEHIND WALL AS SHOWN.

DESIGN RETAINING WALL FOR A LIVE LOAD SURCHARGE OF 240 PSF.

DESIGN RETAINING WALL FOR A WIND SUCTION LOAD OF 20 PSF ON THE PRECAST PANEL.

THE MAXIMUM VALUE OF THE ANGLE OF INTERNAL FRICTION OF THE WALL BACKFILL MATERIAL IN THE REINFORCED ZONE SHALL BE ASSUMED TO BE 30° WITHOUT CERTIFIED TEST VALUES.

ALLOWABLE WALL SYSTEMS

WALL WIRE FACED MECHANICALLY STABILIZED EARTH LRFD/QMP

MATERIAL PROPERTIES

CONCRETE MASONRY RETAINING WALLS (VEHICLE BARRIER, COPING, FOOTING, AND DEADMAN ANCHORS) — f'c = 3,500 P.S.I.

PRESTRESSED PRECAST CONCRETE WALL PANEL — f'c = 5,000 P.S.I.

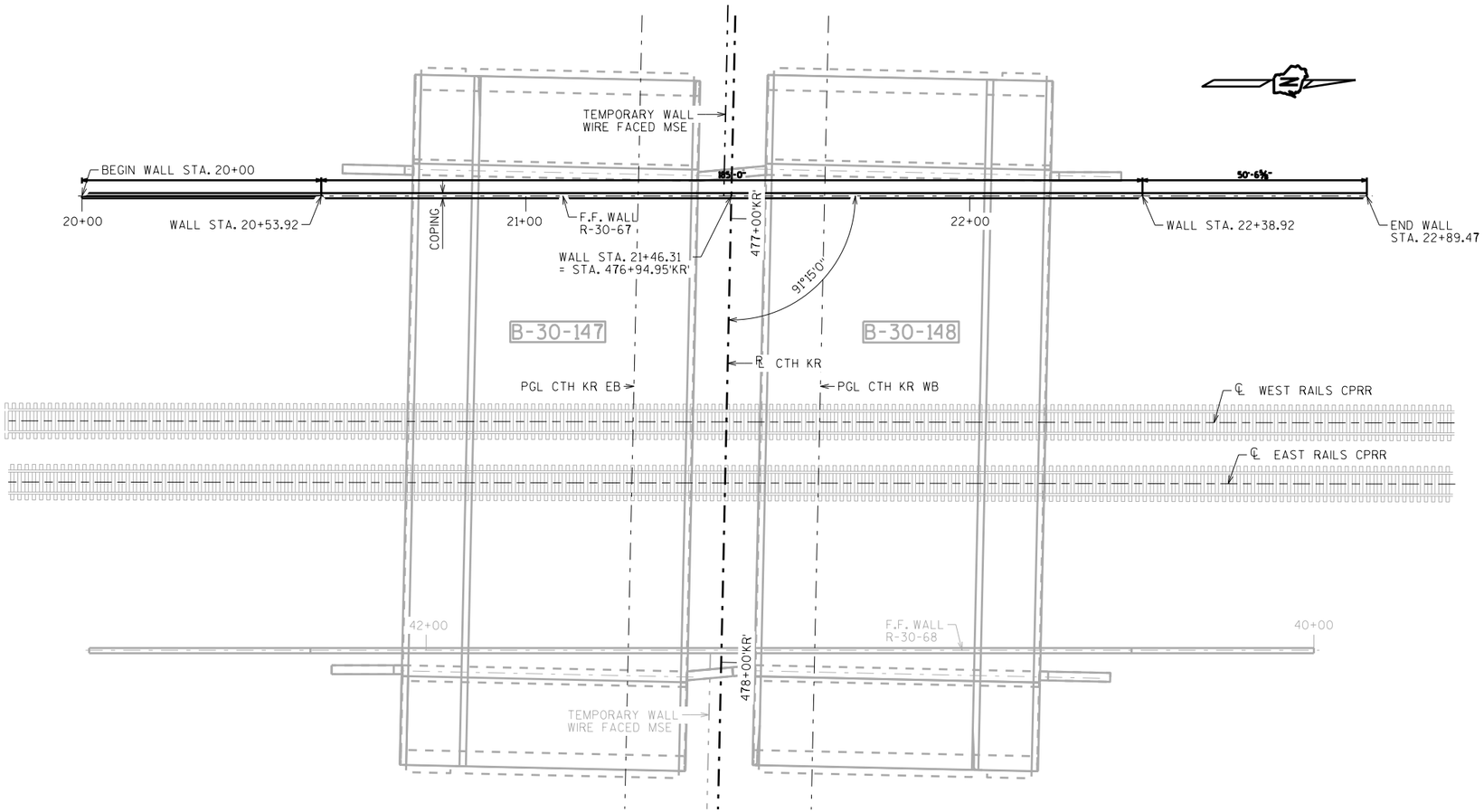
BAR STEEL REINFORCEMENT, GRADE 60 — fy = 60,000 P.S.I.

STRUCTURAL STEEL CARBON - ASTM A36 — fy = 36,000 P.S.I.

LIST OF DRAWINGS

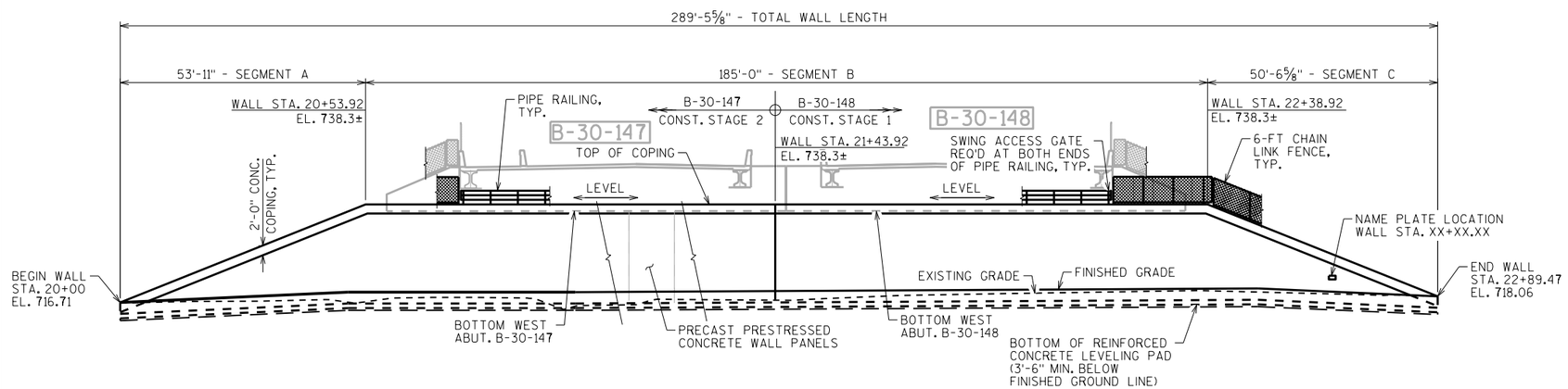
1. GENERAL PLAN 1
2. QUANTITIES & WALL DATA
3. WALL CROSS SECTIONS

PRELIMINARY PLAN



PLAN

WALL WIRE FACED MECHANICALLY
STABILIZED EARTH LRFD/QMP



ELEVATION

LOOKING WEST AT FRONT FACE OF WALL
DISTANCES AND STATIONS ARE GIVEN ALONG THE FRONT FACE OF WALL
ELEVATIONS ARE GIVEN AT TOP OF WALL

STRUCTURE DESIGN CONTACTS:

EMILY KUEHNE (608) 266-5089
AARON BONK (608) 261-0261

NO.	DATE	REVISION	BY

WISCONSIN DEPARTMENT OF TRANSPORTATION
BUREAU OF STRUCTURES

ACCEPTED _____ _____
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE R-30-67

WALL ALONG W. ABUT. B-30-147 & B-30-148

COUNTY	VILLAGE
KENOSHA	MOUNT PLEASANT

DESIGN SPEC.
AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGNED CK'D.	DRAWN BY	PLANS CK'D.
EMK	SEW	EMK	SEW

SHEET 1 OF 3

GENERAL PLAN 1

PRE_274

I.D. 3763-00-041 DATE: AUG. 2019

SCALE = 15.00

PRELIMINARY

8

8

STATE PROJECT NUMBER

3763-00-74

SOIL PARAMETERS

SOIL DESCRIPTION	FRICTION ANGLE (DEGREES)	COHESION (PSF)	UNIT WEIGHT (PCF)
GRANULAR BACKFILL BEHIND THE WALL IN THE REINFORCING ZONE	30	0	120
FILL, GRANULAR BEHIND THE REINFORCING ZONE	30	0	120
BOR-__ - STA. XX+XX.XX - XX'LT/RT OF XXX			
(INSERT SOIL DESCRIPTION) EL. ___.__ TO EL ___.__	XX	XX	XXX
(INSERT SOIL DESCRIPTION) EL. ___.__ TO EL ___.__	XX	XX	XXX
(INSERT SOIL DESCRIPTION) EL. ___.__ TO EL ___.__	XX	XX	XXX
(INSERT SOIL DESCRIPTION) EL. ___.__ TO EL ___.__	XX	XX	XXX
(INSERT SOIL DESCRIPTION) EL. ___.__ TO EL ___.__	XX	XX	XXX
BOR-__ - STA. XX+XX.XX - XX'LT/RT OF XXX			
(INSERT SOIL DESCRIPTION) EL. ___.__ TO EL ___.__	XX	XX	XXX
(INSERT SOIL DESCRIPTION) EL. ___.__ TO EL ___.__	XX	XX	XXX
(INSERT SOIL DESCRIPTION) EL. ___.__ TO EL ___.__	XX	XX	XXX
(INSERT SOIL DESCRIPTION) EL. ___.__ TO EL ___.__	XX	XX	XXX
(INSERT SOIL DESCRIPTION) EL. ___.__ TO EL ___.__	XX	XX	XXX

WALL EXTERNAL & OVERALL STABILITY EVALUATION

DIMENSIONS					
WALL HEIGHT (FEET)	XX.X	XX.X	XX.X	XX.X	XX.X
EXPOSED WALL HEIGHT (FEET)	XX.X	XX.X	XX.X	XX.X	XX.X
MINIMUM LENGTH OF REINFORCEMENT (FEET)	XX.X	XX.X	XX.X	XX.X	XX.X
LENGTH OF REINFORCEMENT TO HEIGHT RATIO	XX.X	XX.X	XX.X	XX.X	XX.X
BORING LOCATION USED	BOR - XX	BOR - XX	BOR - XX	BOR - XX	BOR - XX
APPROXIMATE WALL STATION	XX.X	XX.X	XX.X	XX.X	XX.X
BACK SLOPE ABOVE WALL	XX.X	XX.X	XX.X	XX.X	XX.X
CAPACITY TO DEMAND RATIO (CDR)					
SLIDING (CDR > 1.0)	X.X	X.X	X.X	X.X	X.X
ECCENTRICITY (CDR > 1.0)	X.X	X.X	X.X	X.X	X.X
OVERALL STABILITY (CDR > 1.0)	X.X	X.X	X.X	X.X	X.X
BEARING RESISTANCE (CDR > 1.0)	X.X	X.X	X.X	X.X	X.X
FACTORED BEARING RESISTANCE (PSF)	XXXX	XXXX	XXXX	XXXX	XXXX

NOTES:
1.
2.
3.
4.
5.

GEOMETRY TABLE

	WALL STATION	TOP OF WALL EL.	FINISHED GRADE EL.	EXISTING GRADE EL.
SEG. A	20+00.00	716.71	716.71	716.63
	20+25.00	726.71	717.83	716.98
	20+50.00	736.71	718.98	716.77
	20+53.92	738.3±	718.98	716.88
SEGMENT B	20+53.92	738.3±	718.98	716.88
	20+75.00	738.3±	718.98	717.82
	21+00.00	738.3±	718.98	715.88
	21+25.00	738.3±	719.12	717.35
	21+50.00	738.3±	719.25	717.32
	21+75.00	738.3±	719.39	718.32
	22+00.00	738.3±	719.53	718.75
	22+25.00	738.3±	719.66	719.15
	22+38.92	738.3±	719.74	719.29
SEG. C	22+38.92	738.3±	719.74	719.29
	22+50.00	733.85	719.80	719.01
	22+75.00	723.85	718.69	718.36
	22+89.47	718.06	718.05	718.06

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED

BEVEL ALL EXPOSED EDGES OF CONCRETE ¾" UNLESS OTHERWISE NOTED.

BAR STEEL REINFORCEMENT SHALL HAVE 2" CLEAR COVER UNLESS OTHERWISE SHOWN OR NOTED.

ALL BAR STEEL REINFORCEMENT IN CAST-IN-PLACE CONCRETE IS TO BE EPOXY COATED.

HOT DIP GALVANIZE ALL STRUCTURAL STEEL CARBON IN ACCORDANCE WITH ASTM A123 WHERE SHOWN.

THE DESIGN OF THE WALL IN FRONT OF THE ABUTMENT SHALL INCLUDE THE HORIZONTAL EARTH LOADS AND 240 PSF LIVE LOAD SURCHARGE ACTING ON THE BACK OF THE ABUTMENT BELOW THE BEAM SEATS.

SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF JOINT FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER (1" DEEP & HOLD 1/8" BELOW THE SURFACE OF CONCRETE).

ALL WALL STATIONING ARE GIVEN AT THE FRONT FACE OF WALL R-30-67.

THE EXISTING GROUND LINE IS THE UPPER LIMITS OF EXCAVATION FOR STRUCTURES.

THE PLAN QUANTITY FOR THE BID ITEM "WALL WIRE FACED MECHANICALLY STABILIZED EARTH LRFD/QMP" IS BASED ON A WALL HEIGHT MEASURED FROM THE TOP OF THE WALL TO FINISHED GRADE.

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE LOCATION OF THE EXPANSION JOINTS.

OPTIONAL TRANSVERSE CONSTRUCTION JOINTS ARE PERMITTED IN THE FOOTING WITH A MINIMUM SPACING OF TWO PANEL WIDTHS. FOOTING JOINTS SHALL BE OFFSET A MINIMUM OF 1'-0" FROM WALL JOINTS. RUN BAR STEEL THRU FOOTING JOINTS.

THE COST OF FURNISHING AND PLACING THE FOOTING UNDER THE PRESTRESSED PRECAST CONCRETE WALL PANELS IS INCIDENTAL TO THE BID ITEM "PRESTRESSED PRECAST CONCRETE WALL PANEL".

THE QUANTITY OF CONCRETE MASONRY & REINFORCING STEEL FOR THE CAST-IN-PLACE COPING IS INCIDENTAL TO THE BID ITEM "PRESTRESSED PRECAST CONCRETE WALL PANEL".

DO NOT PERMIT CONCRETE OR FILL TO ACCUMULATE IN THE WALL CAVITY BETWEEN THE WIRE FACED MSE WALL AND PRECAST CONCRETE WALL PANEL.

AT THE BEGINNING AND END OF WALL, SEAL OPENING BETWEEN FACE OF WIRE FACED WALL AND PRECAST CONCRETE WALL PANEL WITH 1'-6" WIDE COLUMN OF CONCRETE. THIS IS INCIDENTAL TO THE BID ITEM "PRESTRESSED PRECAST CONCRETE WALL PANEL".

THE VOLUME OF EARTHWORK REQUIRED TO INSTALL THE FOOTING, WIRE FACED WALL, MSE BACKFILL, AND SOIL REINFORCEMENT IS INCIDENTAL TO THE BID ITEM "WALL WIRE FACED MECHANICALLY STABILIZED EARTH LRFD/QMP".

THE CONTRACTOR MUST COORDINATE THE CONSTRUCTION OF WALL R-30-67 WITH THE CONSTRUCTION OF BRIDGE B-30-147 AND B-30-148.

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	TOTALS
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	
513.2001	RAILING PIPE	LF	
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	
616.0206	FENCE CHAIN LINK 6-FT.	LF	
SPV.0165	PRESTRESSED PRECAST CONCRETE WALL PANEL	SF	
SPV.0165	WALL WIRE FACED MECHANICALLY STABILIZED EARTH	SF	
SPV.0165	TEMPORARY WALL WIRE FACED MECHANICALLY STABILIZED EARTH	SF	
	NON-BID ITEMS		
	PREFORMED JOINT FILLER	SIZE	½" & ¾"
	NON-BITUMINOUS JOINT SEALER	SIZE	½" & ¾"
	EXPANDED POLYSTYRENE	SIZE	1"
	CLOSED CELL NEOPRENE FILLER	SIZE	1" X 1"

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE R-30-67

DRAWN BY EMK | PLANS CK'D. SEW

QUANTITIES & WALL DATA

SHEET 2

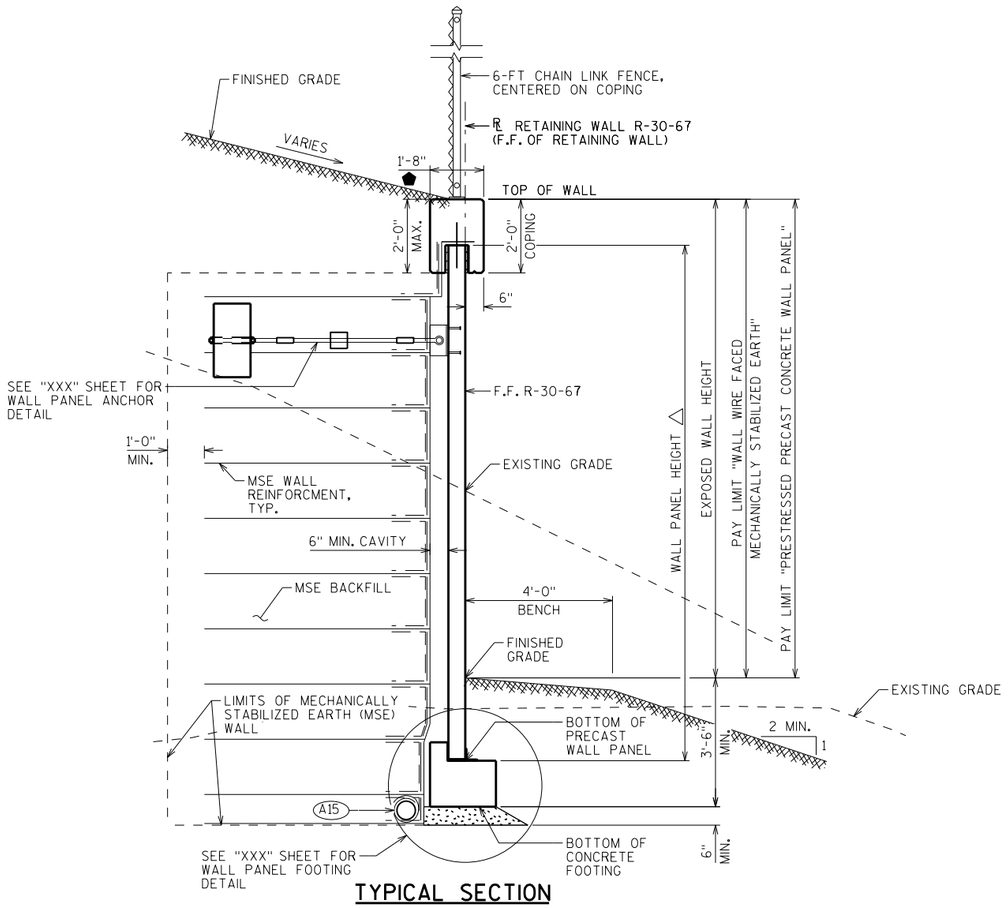
PRE_275

PRELIMINARY

SCALE = 1.00

STATE PROJECT NUMBER

3763-00-74

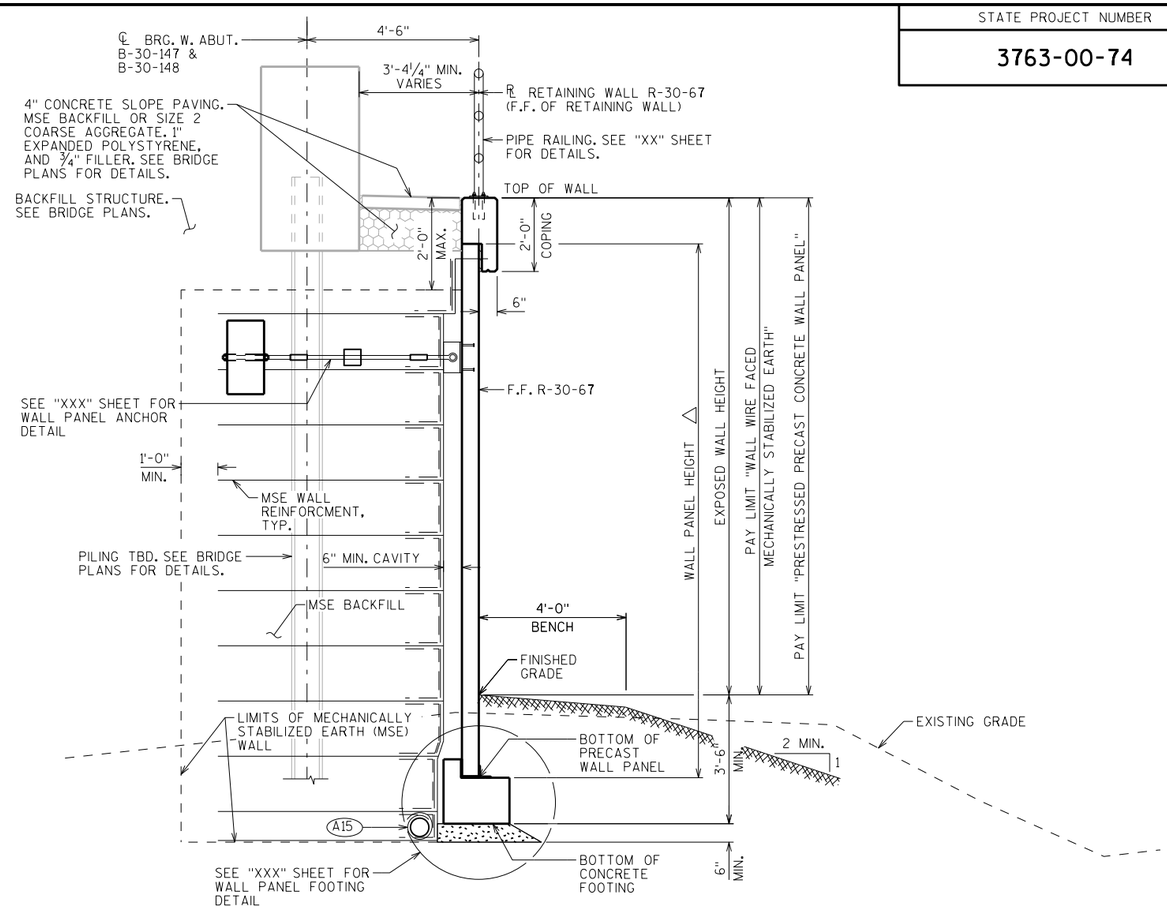


TYPICAL SECTION

LOOKING NORTH
SEGMENT A: STA. 20+00 TO STA. 20+53.92
SEGMENT C: STA. 22+38.92 TO STA. 22+89.47

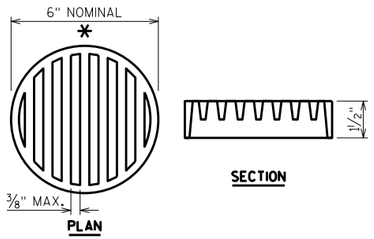
△ WALL PANEL HEIGHT IS DEFINED AS THE LENGTH FROM THE TOP OF THE WALL PANEL TO THE TOP OF THE CONCRETE FOOTING. THE MAXIMUM ALLOWABLE WALL PANEL HEIGHT IS 30'-0".

⬟ DIMENSION ASSUME 8" THICK PRECAST PRESTRESSED WALL PANEL. ADJUST AS NEEDED.



TYPICAL SECTION AT ABUTMENT

LOOKING NORTH
SEGMENT B: STA. 20+53.92 TO 22+38.92

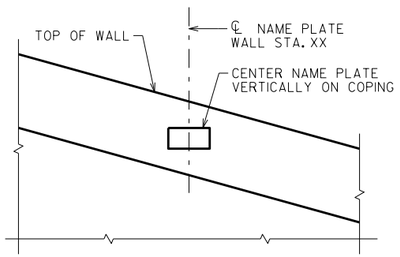


RODENT SHIELD DETAIL

* DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING. ORIENT SO SLOTS ARE VERTICAL.

THE RODENT SHIELD, PIPE COUPLING AND SCREWS SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM "PIPE UNDERDRAIN WRAPPED 6-INCH".

THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE EXPOSED END OF THE PIPE UNDERDRAIN. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 X 1-INCH STAINLESS STEEL SHEET METAL SCREWS.



NAME PLATE DETAIL

(A15) PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. RODENT SHIELD REQUIRED.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE R-30-67

DRAWN BY EMK | PLANS CK'D. SEW

WALL CROSS SECTIONS

SHEET 3

PRE_276

PRELIMINARY

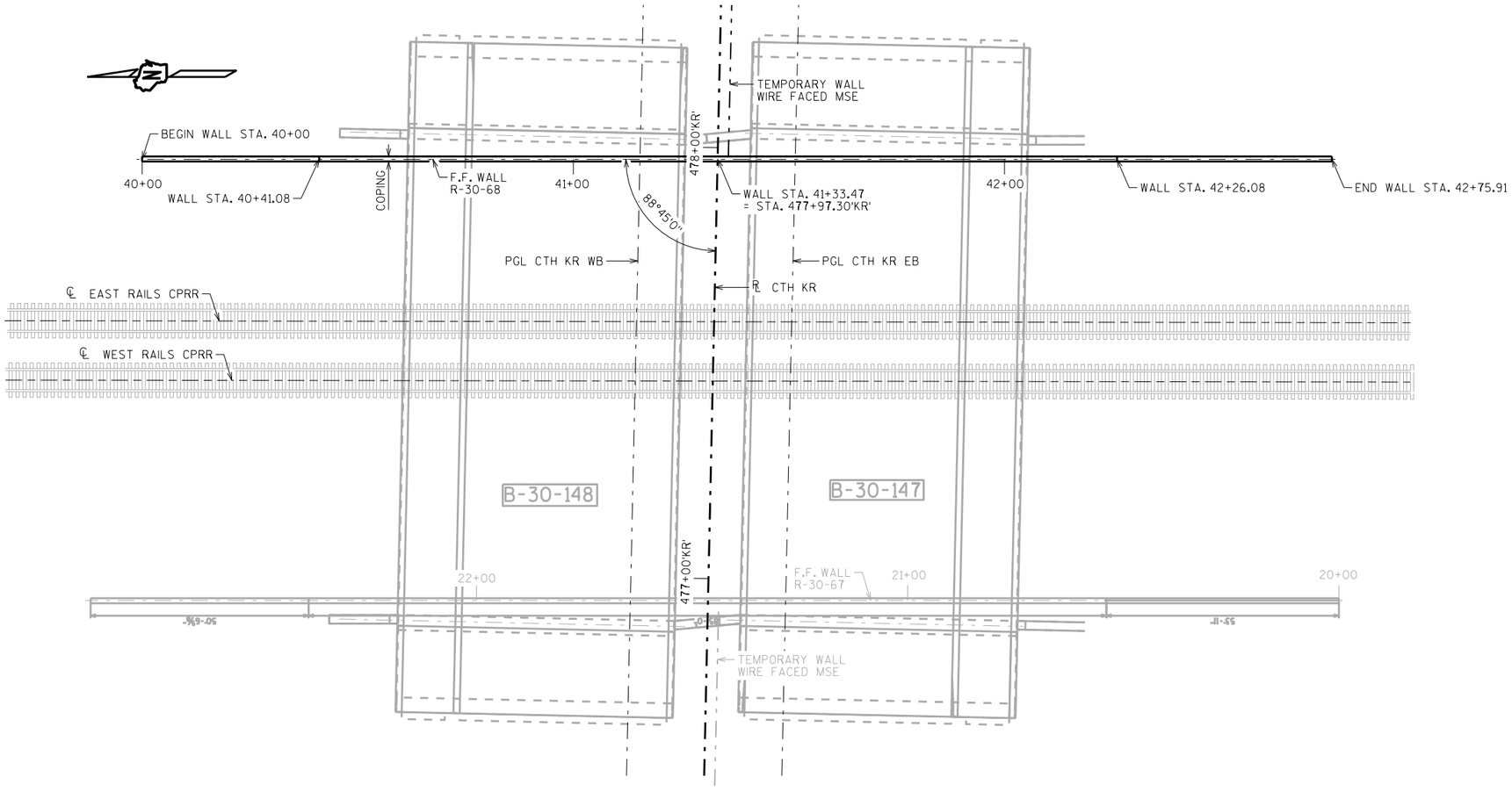
SCALE = 4.00

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8

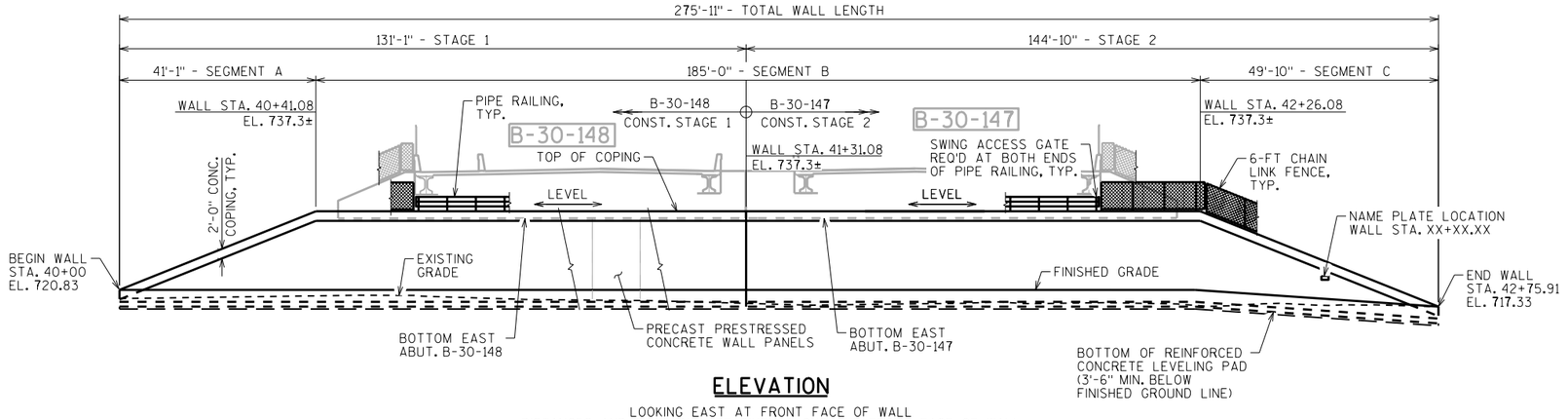
STATE PROJECT NUMBER

3763-00-74



PLAN

WALL WIRE FACED MECHANICALLY
STABILIZED EARTH LRFD/QMP



ELEVATION

LOOKING EAST AT FRONT FACE OF WALL
DISTANCES AND STATIONS ARE GIVEN ALONG THE FRONT FACE OF WALL
ELEVATIONS ARE GIVEN AT TOP OF WALL

DESIGN DATA

THE CONTRACTOR SHALL PROVIDE COMPLETE DESIGN, PLANS, DETAILS, SPECIFICATIONS, AND SHOP DRAWINGS FOR THE RETAINING WALLS IN ACCORDANCE WITH THE SPECIAL PROVISIONS. THE RETAINING WALL MANUFACTURER SHALL PROVIDE TECHNICAL ASSISTANCE TO THE CONTRACTOR DURING CONSTRUCTION. THE COST OF FURNISHING THESE ITEMS SHALL BE INCLUDED IN THE BID ITEM "WALL WIRE FACED MECHANICALLY STABILIZED EARTH LRFD/QMP".

PLANS, ELEVATIONS, AND DETAILS SHOWN ON THESE PLANS ARE INTENDED TO INDICATE WALL LOCATIONS, LENGTHS, HEIGHTS, AND DETAILS COMMON TO THE WALL SYSTEM SELECTED. THE CONTRACTOR SHALL VERIFY THAT THE WALL SYSTEM SELECTED WILL CONFORM TO THE REQUIRED ALIGNMENTS AND DETAILS.

THE RETAINING WALL SHALL BE DESIGNED USING THE ELEVATIONS GIVEN ON SHEET 2.

DESIGN FOR RETAINING WALL TO PROVIDE FOR FINISHED GRADE SLOPED BEHIND WALL AS SHOWN.

DESIGN RETAINING WALL FOR A LIVE LOAD SURCHARGE OF 240 PSF.

DESIGN RETAINING WALL FOR A WIND SUCTION LOAD OF 20 PSF ON THE PRECAST PANEL.

THE MAXIMUM VALUE OF THE ANGLE OF INTERNAL FRICTION OF THE WALL BACKFILL MATERIAL IN THE REINFORCED ZONE SHALL BE ASSUMED TO BE 30° WITHOUT CERTIFIED TEST VALUES.

ALLOWABLE WALL SYSTEMS

WALL WIRE FACED MECHANICALLY STABILIZED EARTH LRFD/QMP

MATERIAL PROPERTIES

CONCRETE MASONRY RETAINING WALLS (VEHICLE BARRIER, COPING, FOOTING, AND DEADMAN ANCHORS) ——— f'c = 3,500 P.S.I.

PRESTRESSED PRECAST CONCRETE WALL PANEL ——— f'c = 5,000 P.S.I.

BAR STEEL REINFORCEMENT, GRADE 60 ——— fy = 60,000 P.S.I.

STRUCTURAL STEEL CARBON - ASTM A36 ——— fy = 36,000 P.S.I.

LIST OF DRAWINGS

1. GENERAL PLAN 1
2. QUANTITIES & WALL DATA
3. WALL CROSS SECTIONS

PRELIMINARY PLAN

STRUCTURE DESIGN CONTACTS:

EMILY KUEHNE (608) 266-5089

AARON BONK (608) 261-0261

NO.	DATE	REVISION	BY

BUREAU OF STRUCTURES

ACCEPTED _____ _____
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE R-30-68

WALL ALONG E. ABUT. B-30-147 & B-30-148

COUNTY	VILLAGE
KENOSHA	MOUNT PLEASANT

DESIGN SPEC.
AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGNED CK'D.	DRAWN BY	PLANS CK'D.
EMK	SEW	EMK	SEW

GENERAL PLAN 1

SHEET 1 OF 3

PRE_277

I.D. 3763-00-04J DATE: AUG. 2019

SCALE = 15.00

PRELIMINARY

STATE PROJECT NUMBER

3763-00-74

SOIL PARAMETERS

SOIL DESCRIPTION	FRICTION ANGLE (DEGREES)	COHESION (PSF)	UNIT WEIGHT (PCF)
GRANULAR BACKFILL BEHIND THE WALL IN THE REINFORCING ZONE	30	0	120
FILL, GRANULAR BEHIND THE REINFORCING ZONE	30	0	120
BOR-__ - STA. XX+XX.XX - XX'LT/RT OF XXX			
(INSERT SOIL DESCRIPTION) EL. ___.__ TO EL ___.__	XX	XX	XXX
(INSERT SOIL DESCRIPTION) EL. ___.__ TO EL ___.__	XX	XX	XXX
(INSERT SOIL DESCRIPTION) EL. ___.__ TO EL ___.__	XX	XX	XXX
(INSERT SOIL DESCRIPTION) EL. ___.__ TO EL ___.__	XX	XX	XXX
(INSERT SOIL DESCRIPTION) EL. ___.__ TO EL ___.__	XX	XX	XXX
BOR-__ - STA. XX+XX.XX - XX'LT/RT OF XXX			
(INSERT SOIL DESCRIPTION) EL. ___.__ TO EL ___.__	XX	XX	XXX
(INSERT SOIL DESCRIPTION) EL. ___.__ TO EL ___.__	XX	XX	XXX
(INSERT SOIL DESCRIPTION) EL. ___.__ TO EL ___.__	XX	XX	XXX
(INSERT SOIL DESCRIPTION) EL. ___.__ TO EL ___.__	XX	XX	XXX
(INSERT SOIL DESCRIPTION) EL. ___.__ TO EL ___.__	XX	XX	XXX

WALL EXTERNAL & OVERALL STABILITY EVALUATION

DIMENSIONS					
WALL HEIGHT (FEET)	XX.X	XX.X	XX.X	XX.X	XX.X
EXPOSED WALL HEIGHT (FEET)	XX.X	XX.X	XX.X	XX.X	XX.X
MINIMUM LENGTH OF REINFORCEMENT (FEET)	XX.X	XX.X	XX.X	XX.X	XX.X
LENGTH OF REINFORCEMENT TO HEIGHT RATIO	XX.X	XX.X	XX.X	XX.X	XX.X
BORING LOCATION USED	BOR - XX	BOR - XX	BOR - XX	BOR - XX	BOR - XX
APPROXIMATE WALL STATION	XX.X	XX.X	XX.X	XX.X	XX.X
BACK SLOPE ABOVE WALL	XX.X	XX.X	XX.X	XX.X	XX.X
CAPACITY TO DEMAND RATIO (CDR)					
SLIDING (CDR > 1.0)	X.X	X.X	X.X	X.X	X.X
ECCENTRICITY (CDR > 1.0)	X.X	X.X	X.X	X.X	X.X
OVERALL STABILITY (CDR > 1.0)	X.X	X.X	X.X	X.X	X.X
BEARING RESISTANCE (CDR > 1.0)	X.X	X.X	X.X	X.X	X.X
FACTORED BEARING RESISTANCE (PSF)	XXXX	XXXX	XXXX	XXXX	XXXX

NOTES:
1.
2.
3.
4.
5.

GEOMETRY TABLE

	WALL STATION	TOP OF WALL EL.	FINISHED GRADE EL.	EXISTING GRADE EL.
SEG. A	40+00.00	720.83	720.83	719.01
	40+25.00	730.83	720.82	719.35
	40+41.08	737.3±	720.82	719.58
SEGMENT B	40+41.08	737.3±	720.82	719.58
	40+50.00	737.3±	720.82	719.69
	40+75.00	737.3±	720.82	719.14
	41+00.00	737.3±	720.82	718.68
	41+25.00	737.3±	720.82	718.18
	41+50.00	737.3±	720.82	717.70
	41+75.00	737.3±	720.82	718.00
	42+00.00	737.3±	720.82	718.07
	42+25.00	737.3±	720.82	717.59
	42+26.08	737.3±	720.75	717.50
SEG. C	42+26.08	737.3±	720.75	717.50
	42+50.00	727.69	719.10	717.66
	42+75.00	717.69	717.38	717.32
	42+75.91	717.33	717.33	717.28

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED

BEVEL ALL EXPOSED EDGES OF CONCRETE ¾" UNLESS OTHERWISE NOTED.

BAR STEEL REINFORCEMENT SHALL HAVE 2" CLEAR COVER UNLESS OTHERWISE SHOWN OR NOTED.

ALL BAR STEEL REINFORCEMENT IN CAST-IN-PLACE CONCRETE IS TO BE EPOXY COATED.

HOT DIP GALVANIZE ALL STRUCTURAL STEEL CARBON IN ACCORDANCE WITH ASTM A123 WHERE SHOWN.

THE DESIGN OF THE WALL IN FRONT OF THE ABUTMENT SHALL INCLUDE THE HORIZONTAL EARTH LOADS AND 240 PSF LIVE LOAD SURCHARGE ACTING ON THE BACK OF THE ABUTMENT BELOW THE BEAM SEATS.

SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF JOINT FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER (1" DEEP & HOLD 1/8" BELOW THE SURFACE OF CONCRETE).

ALL WALL STATIONING ARE GIVEN AT THE FRONT FACE OF WALL R-30-68.

THE EXISTING GROUND LINE IS THE UPPER LIMITS OF EXCAVATION FOR STRUCTURES.

THE PLAN QUANTITY FOR THE BID ITEM "WALL WIRE FACED MECHANICALLY STABILIZED EARTH LRFD/QMP" IS BASED ON A WALL HEIGHT MEASURED FROM THE TOP OF THE WALL TO FINISHED GRADE.

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE LOCATION OF THE EXPANSION JOINTS.

OPTIONAL TRANSVERSE CONSTRUCTION JOINTS ARE PERMITTED IN THE FOOTING WITH A MINIMUM SPACING OF TWO PANEL WIDTHS. FOOTING JOINTS SHALL BE OFFSET A MINIMUM OF 1'-0" FROM WALL JOINTS. RUN BAR STEEL THRU FOOTING JOINTS.

THE COST OF FURNISHING AND PLACING THE FOOTING UNDER THE PRESTRESSED PRECAST CONCRETE WALL PANELS IS INCIDENTAL TO THE BID ITEM "PRESTRESSED PRECAST CONCRETE WALL PANEL".

THE QUANTITY OF CONCRETE MASONRY & REINFORCING STEEL FOR THE CAST-IN-PLACE COPING IS INCIDENTAL TO THE BID ITEM "PRESTRESSED PRECAST CONCRETE WALL PANEL".

DO NOT PERMIT CONCRETE OR FILL TO ACCUMULATE IN THE WALL CAVITY BETWEEN THE WIRE FACED MSE WALL AND PRECAST CONCRETE WALL PANEL.

AT THE BEGINNING AND END OF WALL, SEAL OPENING BETWEEN FACE OF WIRE FACED WALL AND PRECAST CONCRETE WALL PANEL WITH 1'-6" WIDE COLUMN OF CONCRETE. THIS IS INCIDENTAL TO THE BID ITEM "PRESTRESSED PRECAST CONCRETE WALL PANEL".

THE VOLUME OF EARTHWORK REQUIRED TO INSTALL THE FOOTING, WIRE FACED WALL, MSE BACKFILL, AND SOIL REINFORCEMENT IS INCIDENTAL TO THE BID ITEM "WALL WIRE FACED MECHANICALLY STABILIZED EARTH LRFD/QMP".

THE CONTRACTOR MUST COORDINATE THE CONSTRUCTION OF WALL R-30-68 WITH THE CONSTRUCTION OF BRIDGE B-30-147 AND B-30-148.

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	TOTALS
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	
513.2001	RAILING PIPE	LF	
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	
616.0206	FENCE CHAIN LINK 6-FT.	LF	
SPV.0165	PRESTRESSED PRECAST CONCRETE WALL PANEL	SF	
SPV.0165	WALL WIRE FACED MECHANICALLY STABILIZED EARTH	SF	
SPV.0165	TEMPORARY WALL WIRE FACED MECHANICALLY STABILIZED EARTH	SF	
	NON-BID ITEMS		
	PREFORMED JOINT FILLER	SIZE	½" & ¾"
	NON-BITUMINOUS JOINT SEALER	SIZE	½" & ¾"
	EXPANDED POLYSTYRENE	SIZE	1"
	CLOSED CELL NEOPRENE FILLER	SIZE	1" X 1"

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE R-30-68

DRAWN BY EMK | PLANS CK'D. SEW

QUANTITIES & WALL DATA

SHEET 2

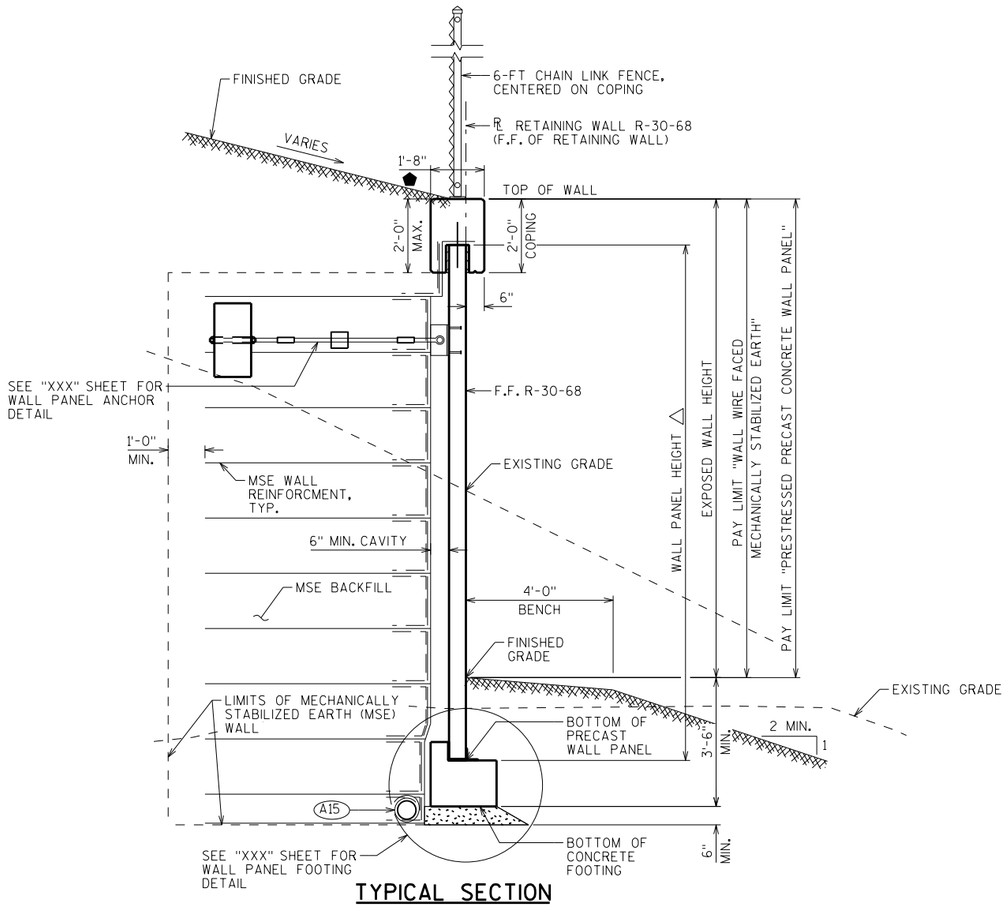
PRE_278

PRELIMINARY

SCALE = 1.00

STATE PROJECT NUMBER

3763-00-74

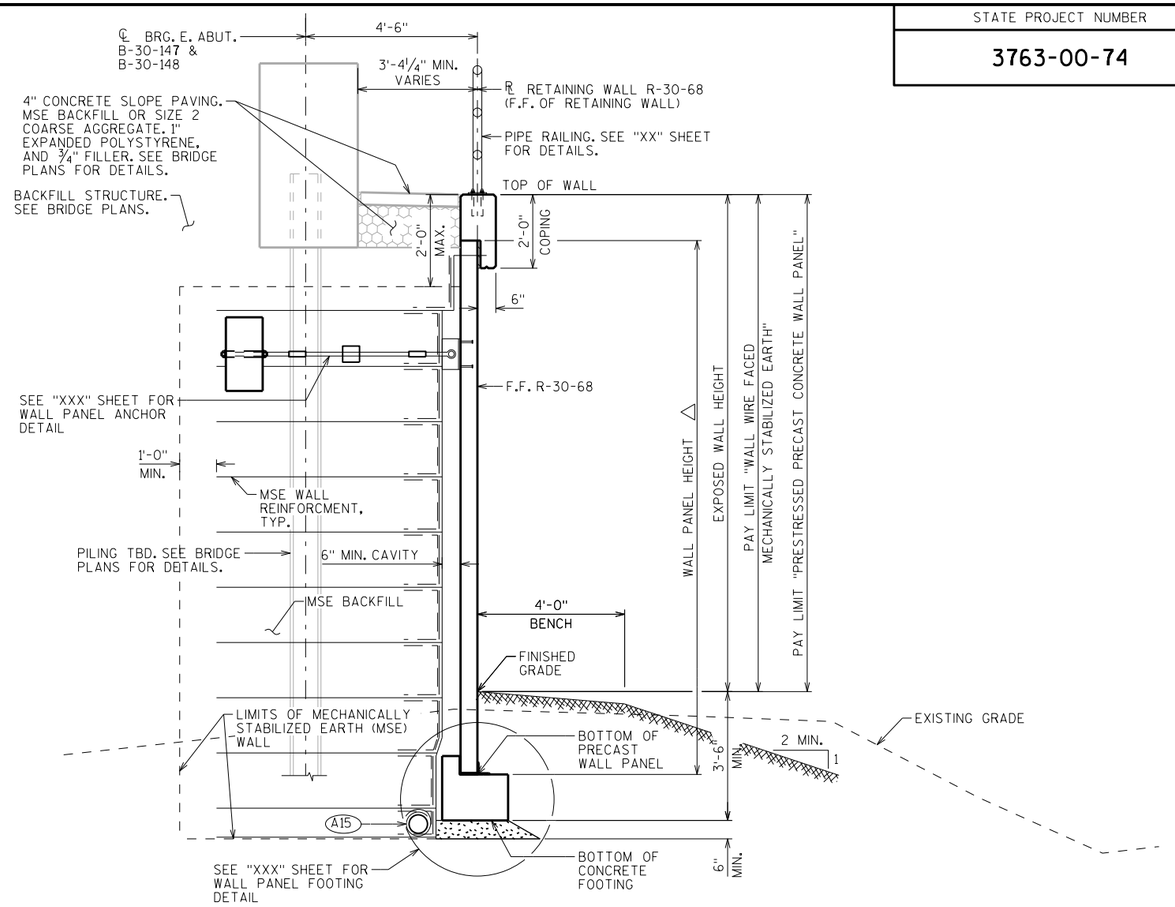


TYPICAL SECTION

LOOKING SOUTH
SEGMENT A: STA. 40+00 TO STA. 40+41.08
SEGMENT C: STA. 42+26.08 TO STA. 42+75.91

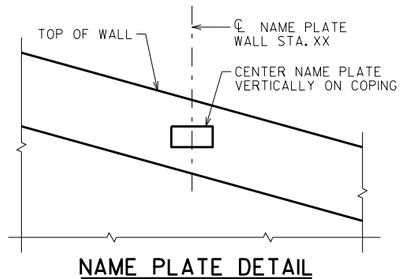
△ WALL PANEL HEIGHT IS DEFINED AS THE LENGTH FROM THE TOP OF THE WALL PANEL TO THE TOP OF THE CONCRETE FOOTING. THE MAXIMUM ALLOWABLE WALL PANEL HEIGHT IS 30'-0".

⬟ DIMENSION ASSUME 8" THICK PRECAST PRESTRESSED WALL PANEL. ADJUST AS NEEDED.

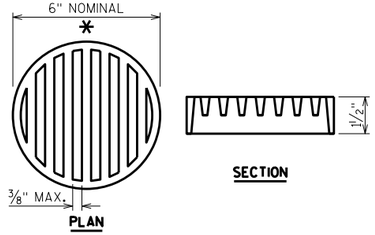


TYPICAL SECTION AT ABUTMENT

LOOKING SOUTH
SEGMENT B: STA. 40+41.08 TO STA. 42+26.08



NAME PLATE DETAIL



RODENT SHIELD DETAIL

* DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING. ORIENT SO SLOTS ARE VERTICAL.

THE RODENT SHIELD, PIPE COUPLING AND SCREWS SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM "PIPE UNDERDRAIN WRAPPED 6-INCH".

THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE EXPOSED END OF THE PIPE UNDERDRAIN. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 X 1-INCH STAINLESS STEEL SHEET METAL SCREWS.

(A15) PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. RODENT SHIELD REQUIRED.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE R-30-68

DRAWN BY: EMK | PLANS CK'D. SEW

WALL CROSS SECTIONS

SHEET 3

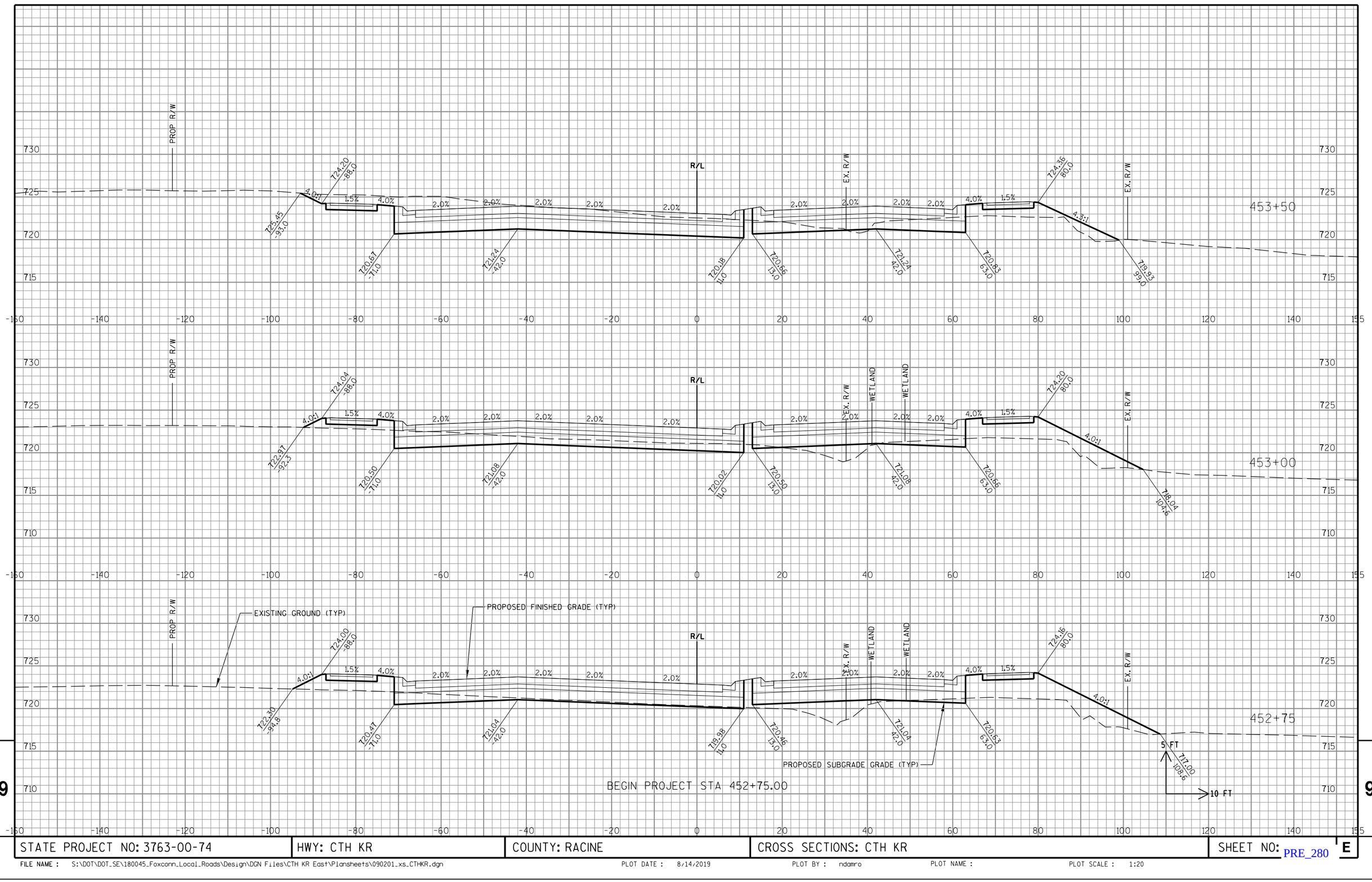
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PRELIMINARY

SCALE = 4.00

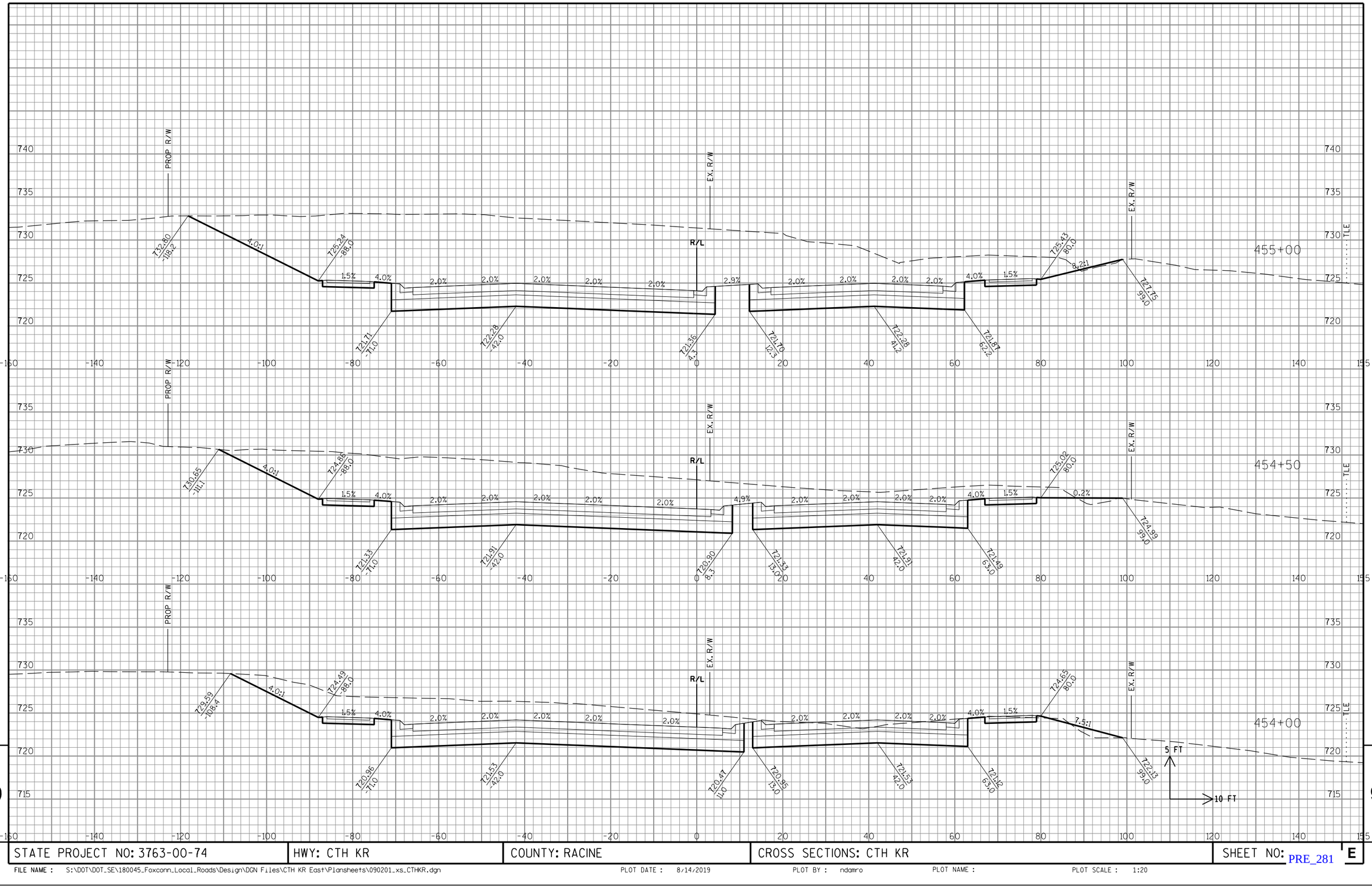
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8



STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: PRE_280 E

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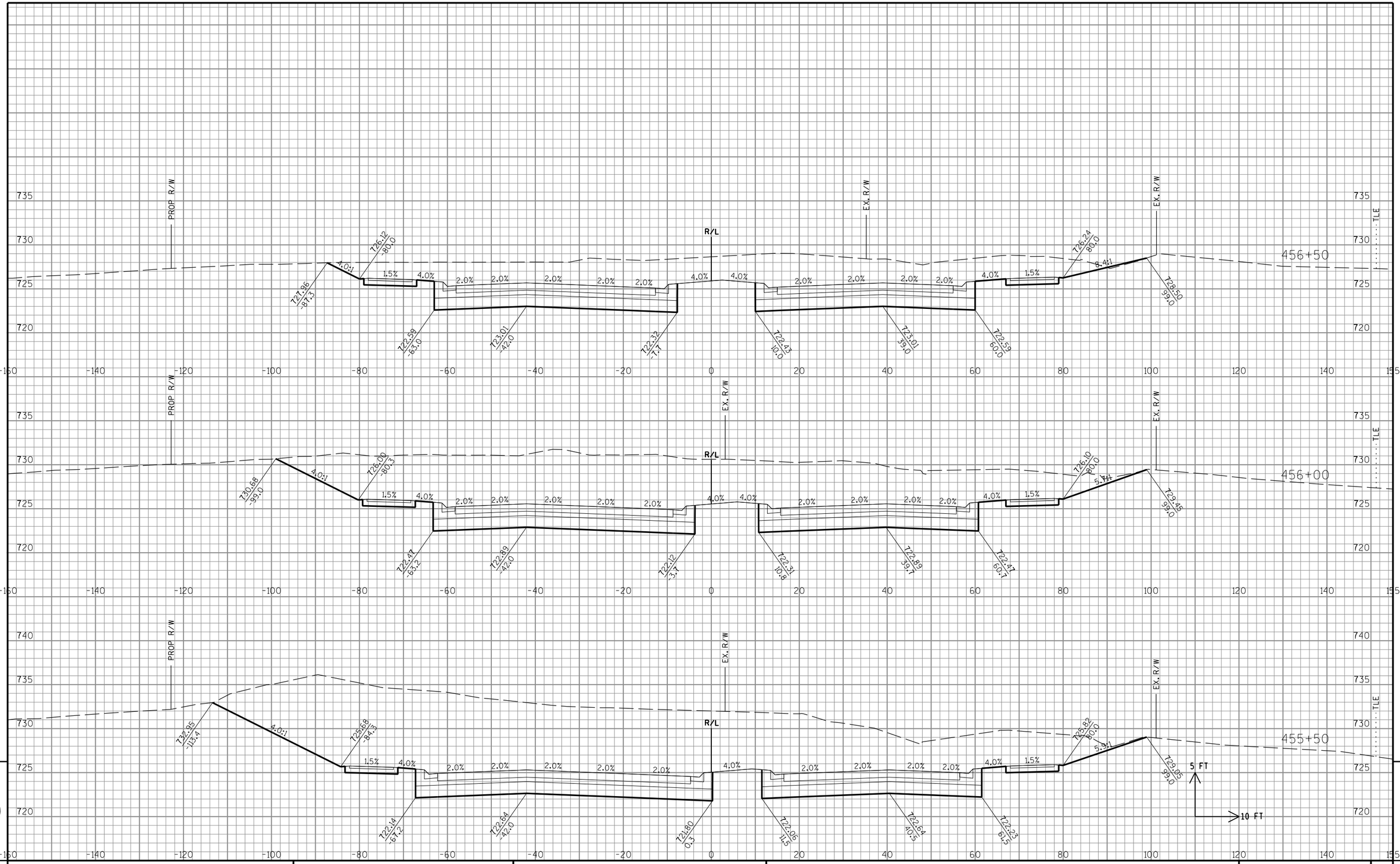


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STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: E

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PRE_281

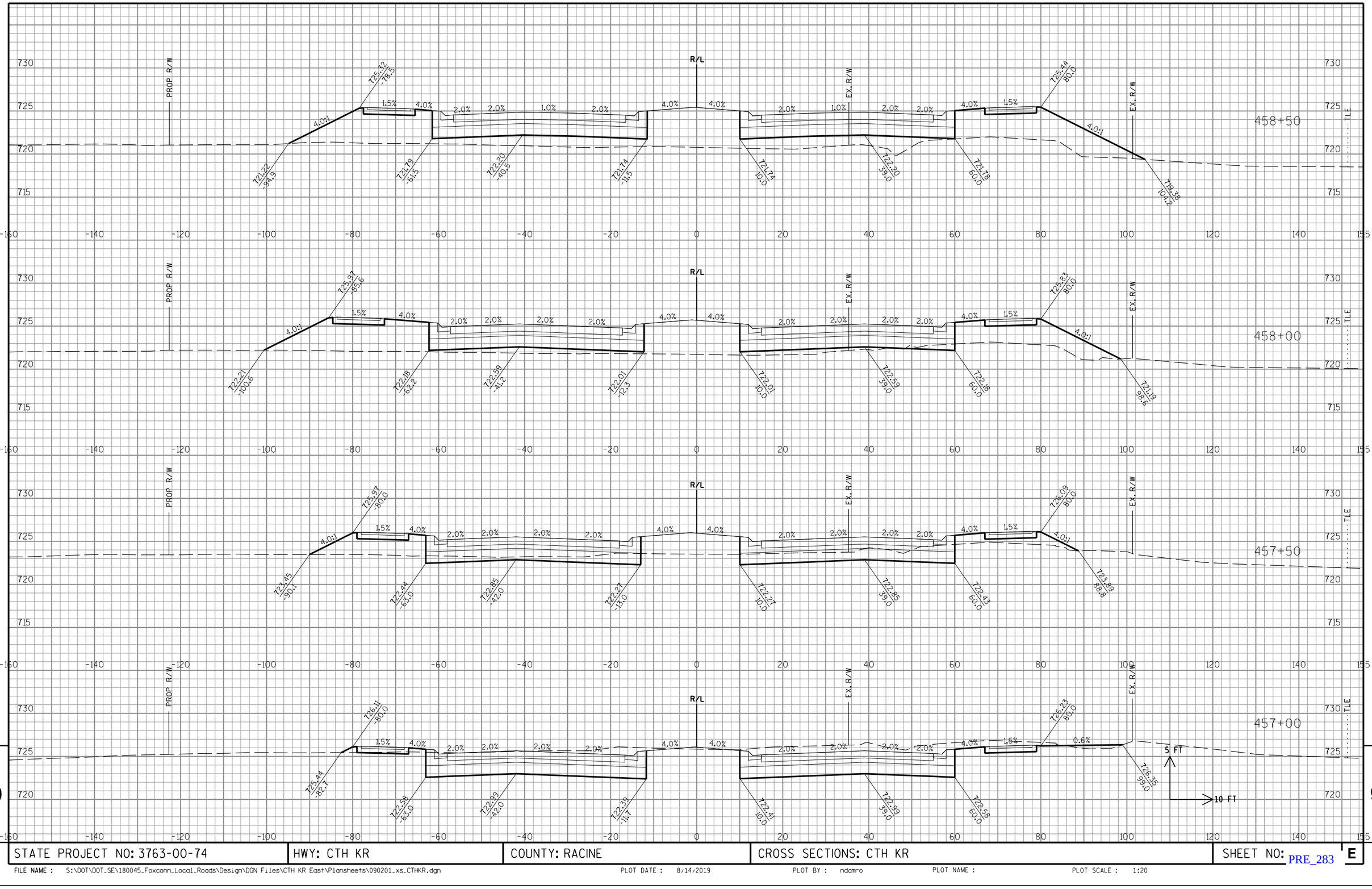


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STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: PRE_282 E

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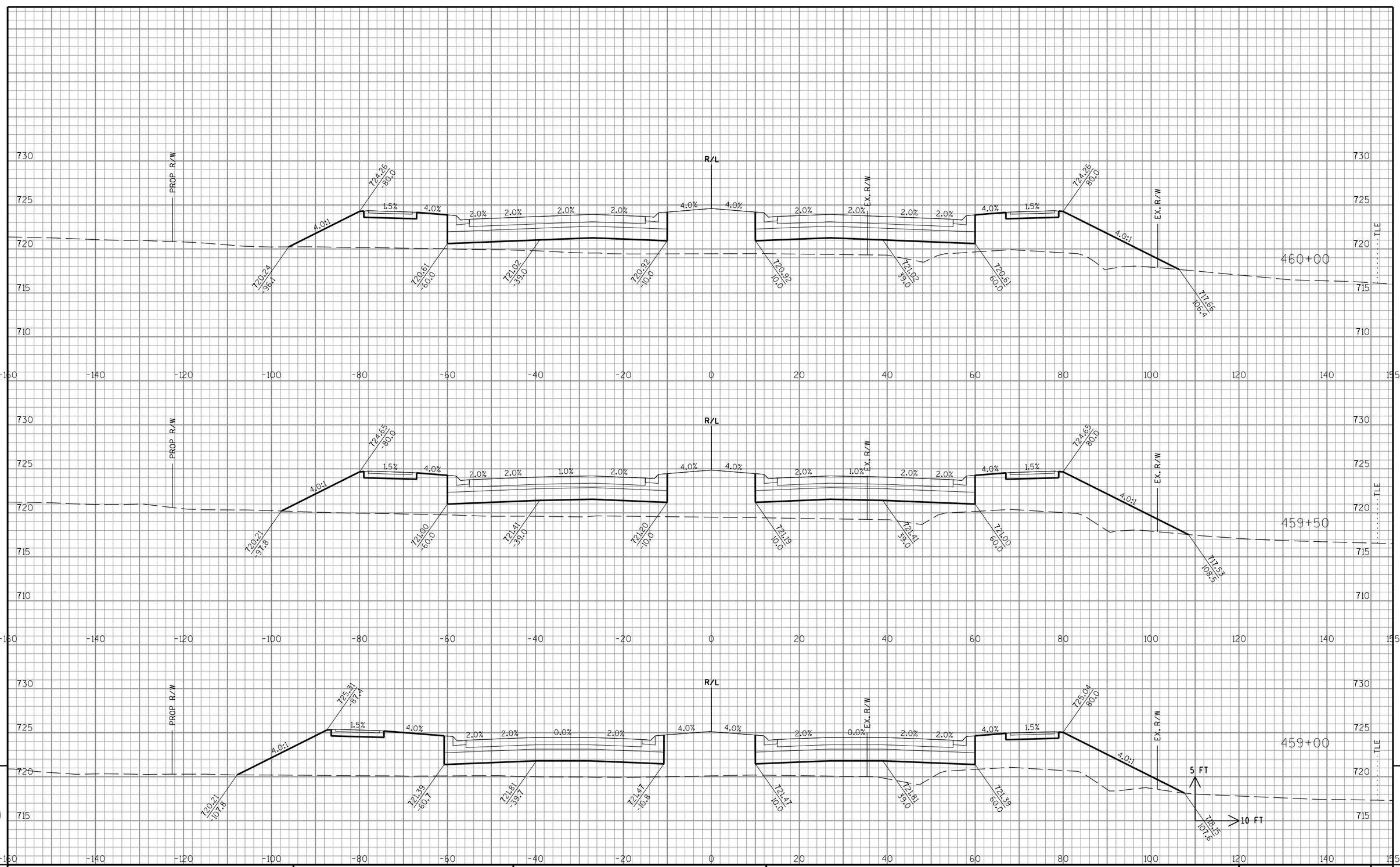


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STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: PRE_283 E

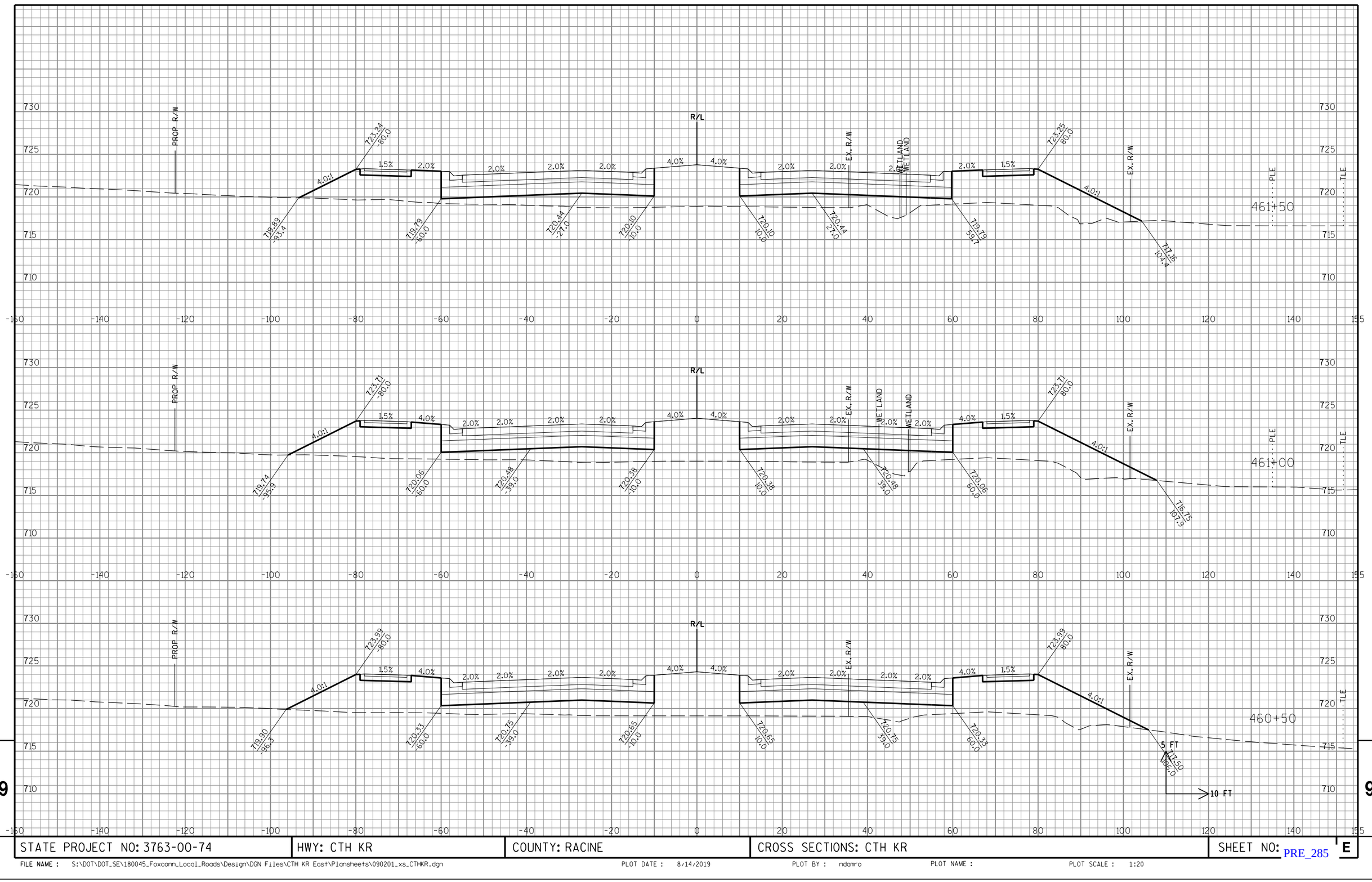
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STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: E

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PRE_284



STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: PRE_285 E

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STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: PRE_286 E

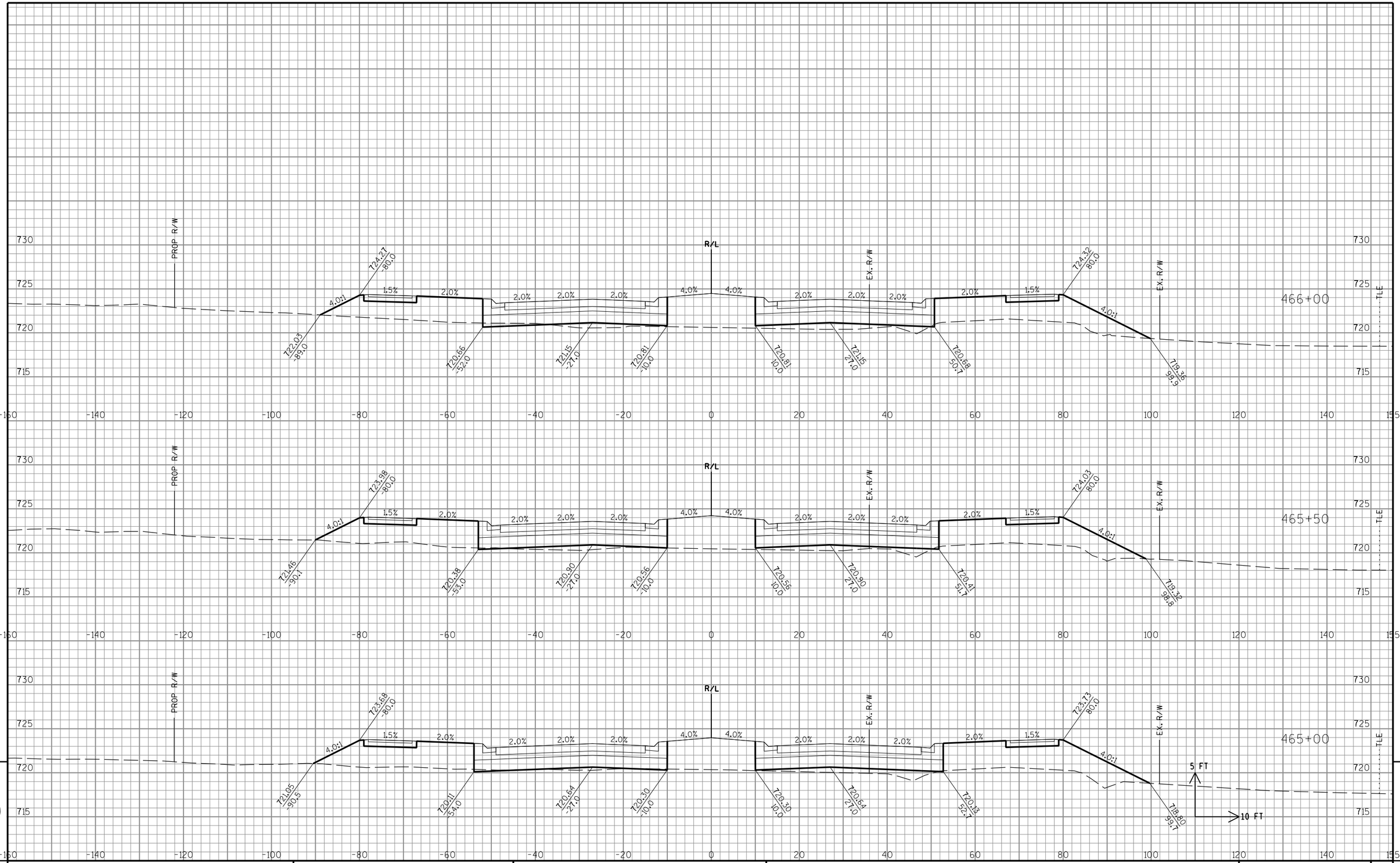
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STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: E

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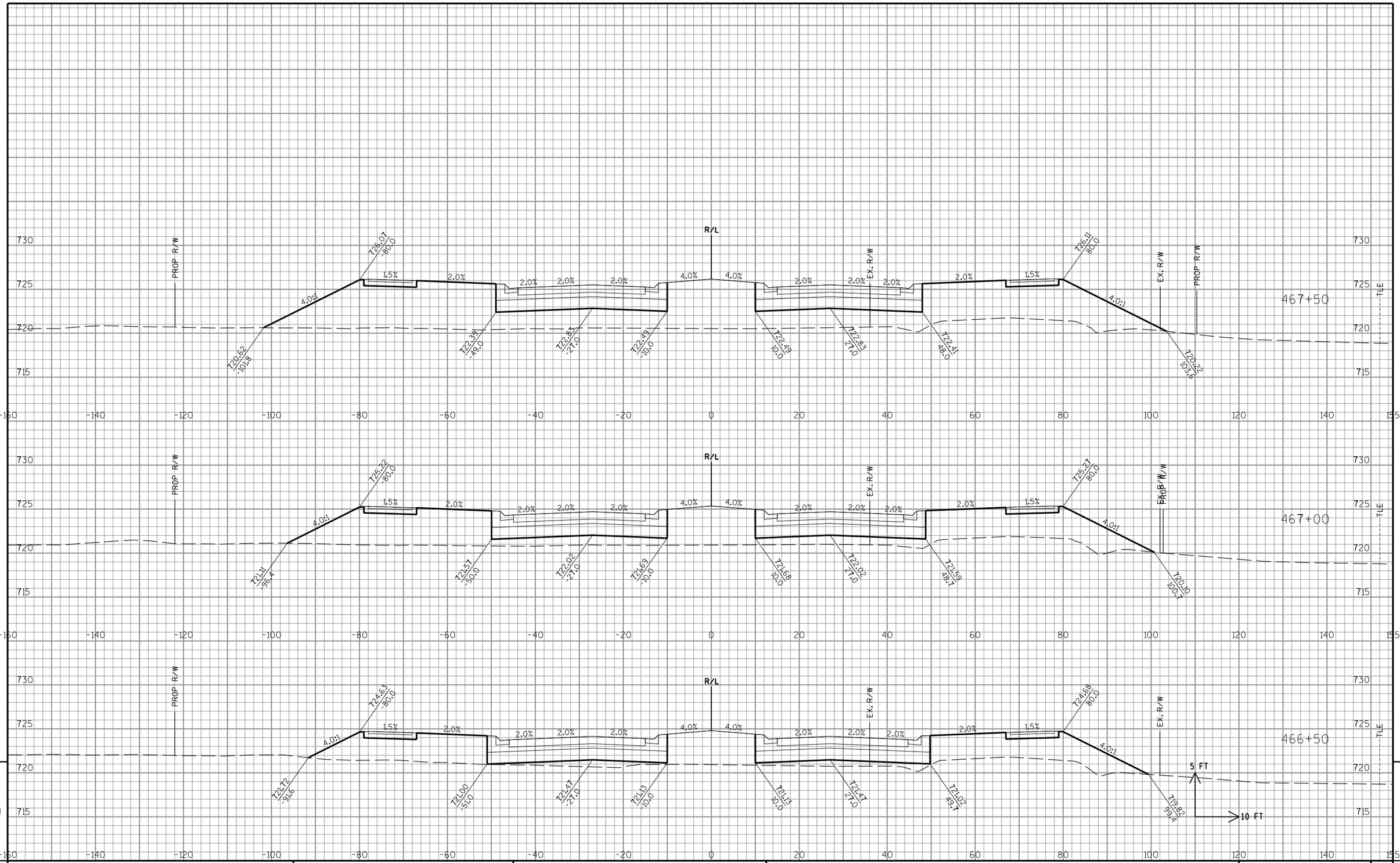
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STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: E

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PRE_288



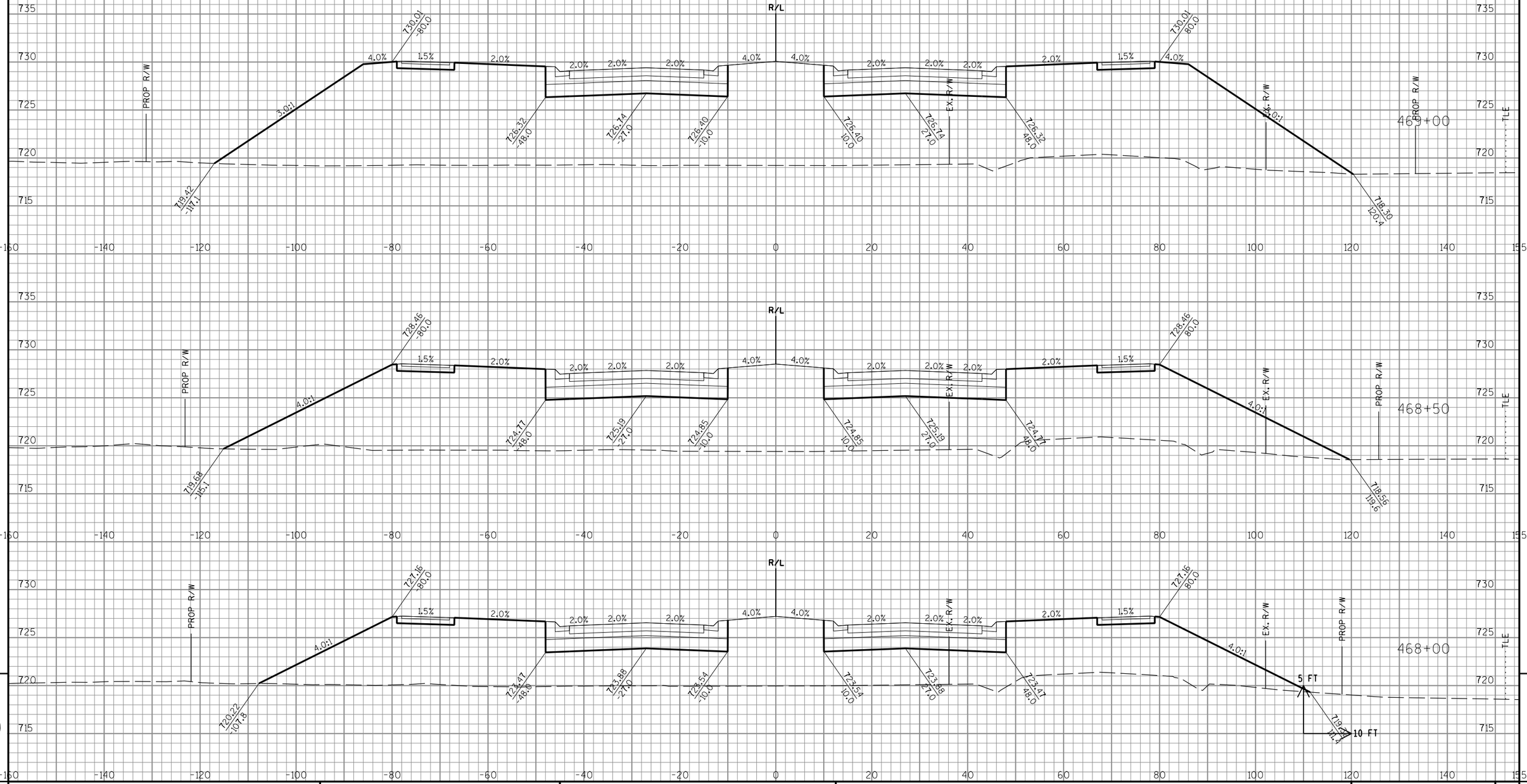
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PRE_289

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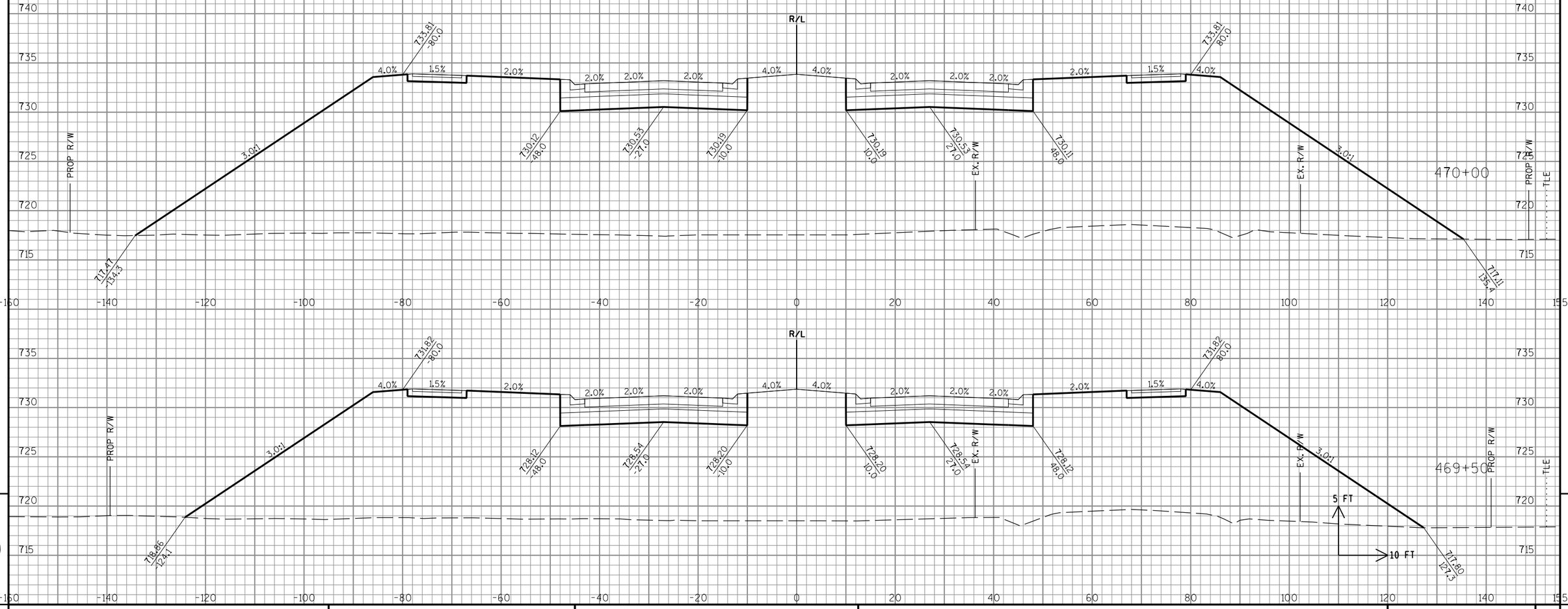
STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: E

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PRE_290

9

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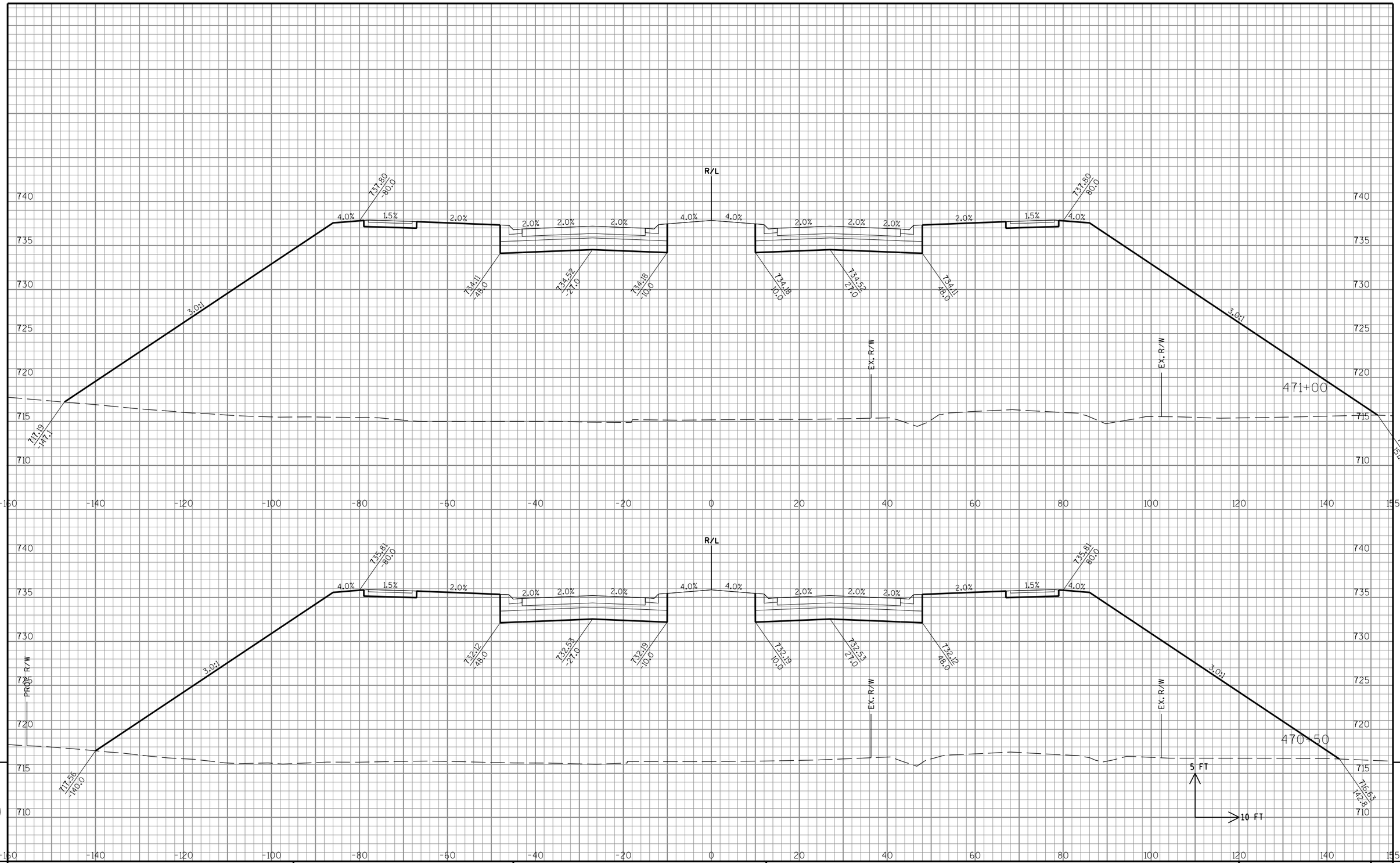


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STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: PRE_291 E

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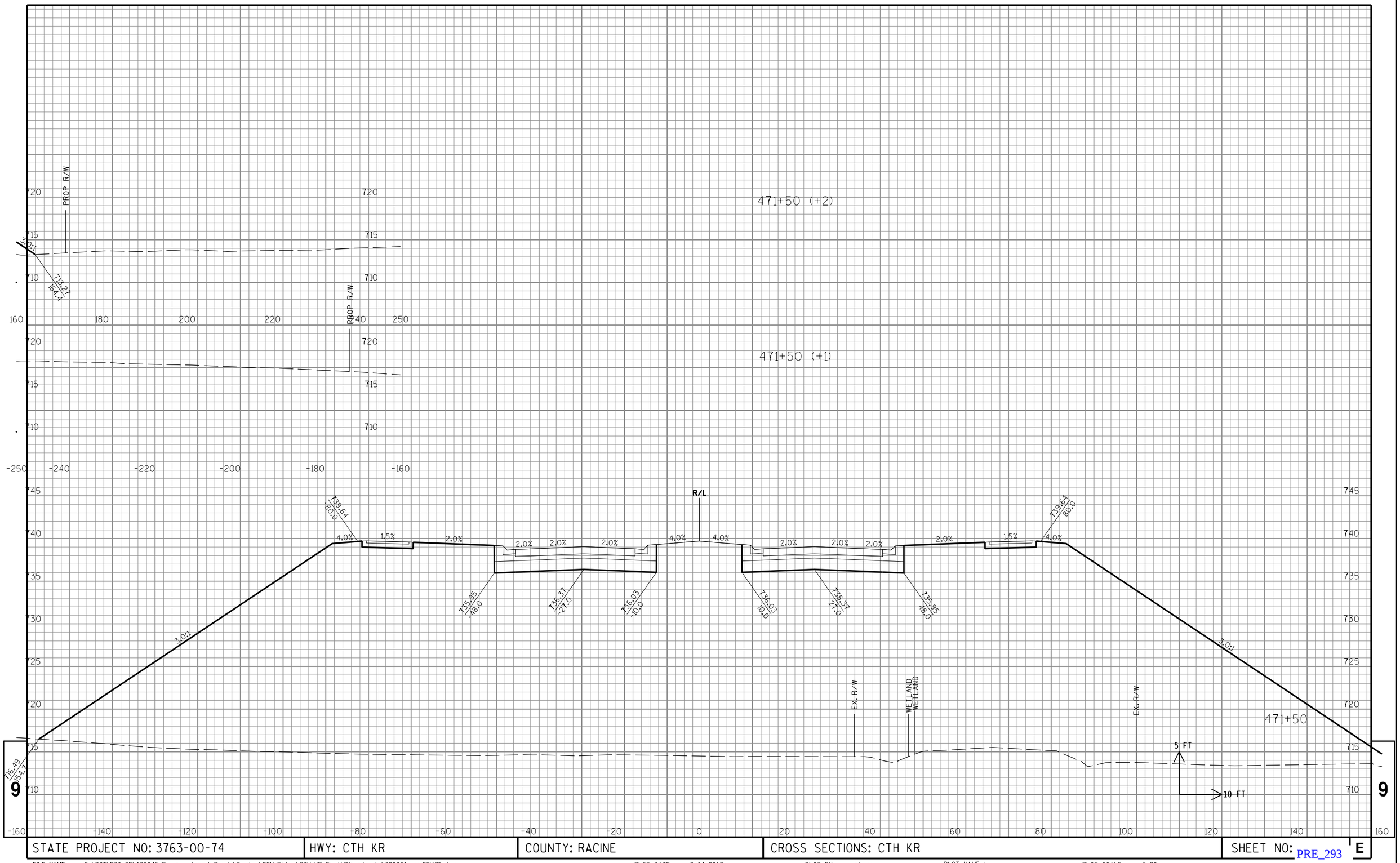
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STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: E

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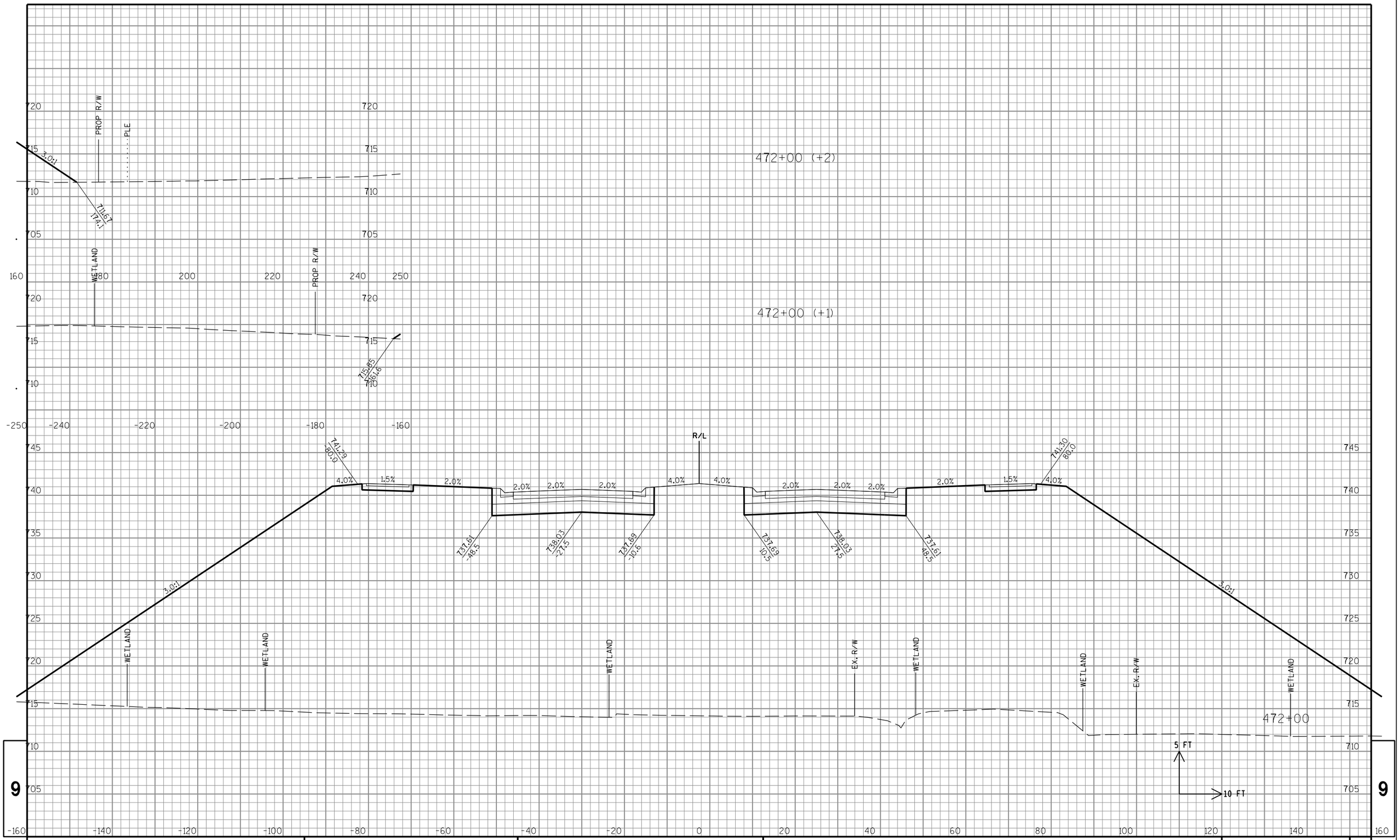
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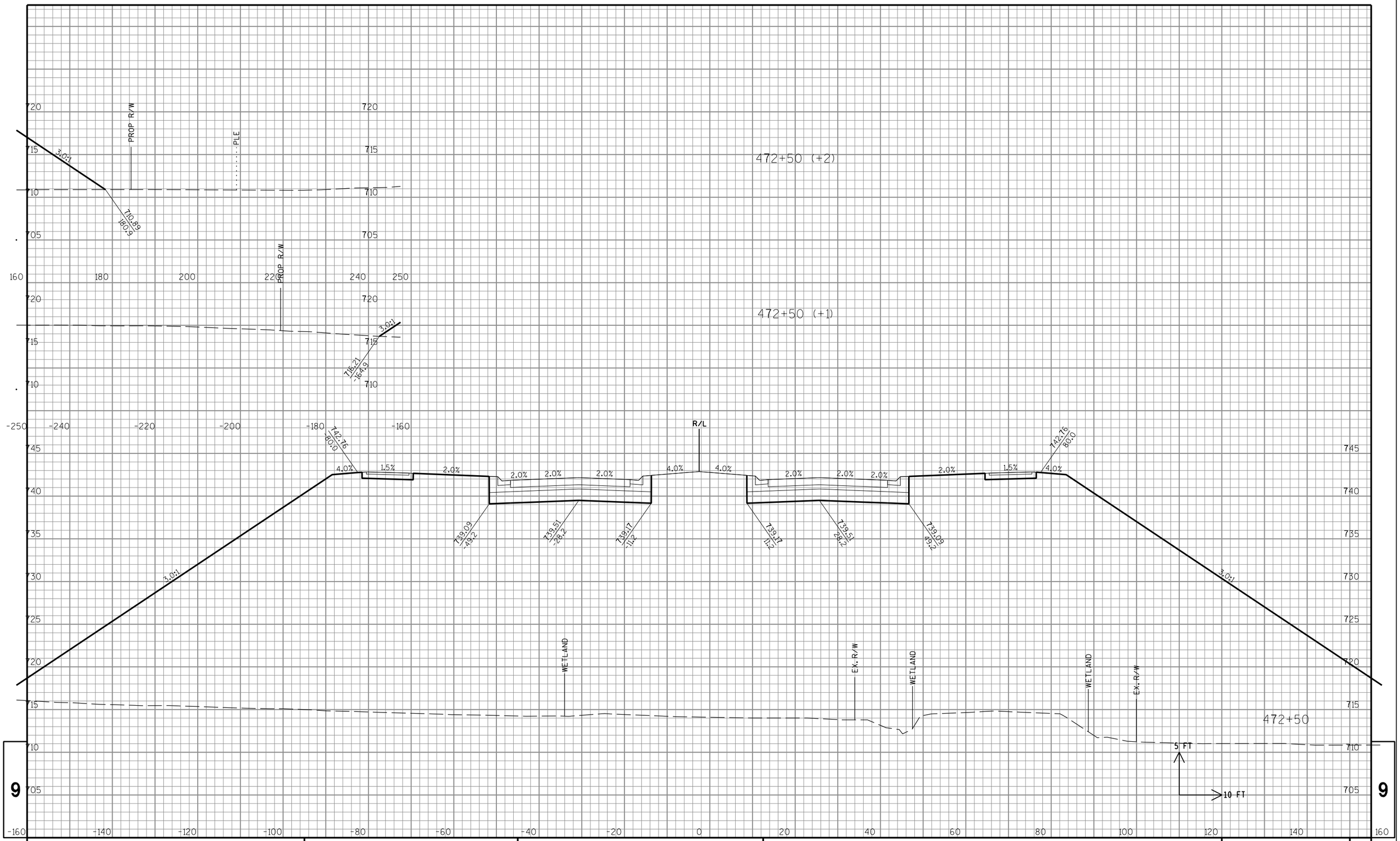
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PRE_293



STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: PRE_294 E

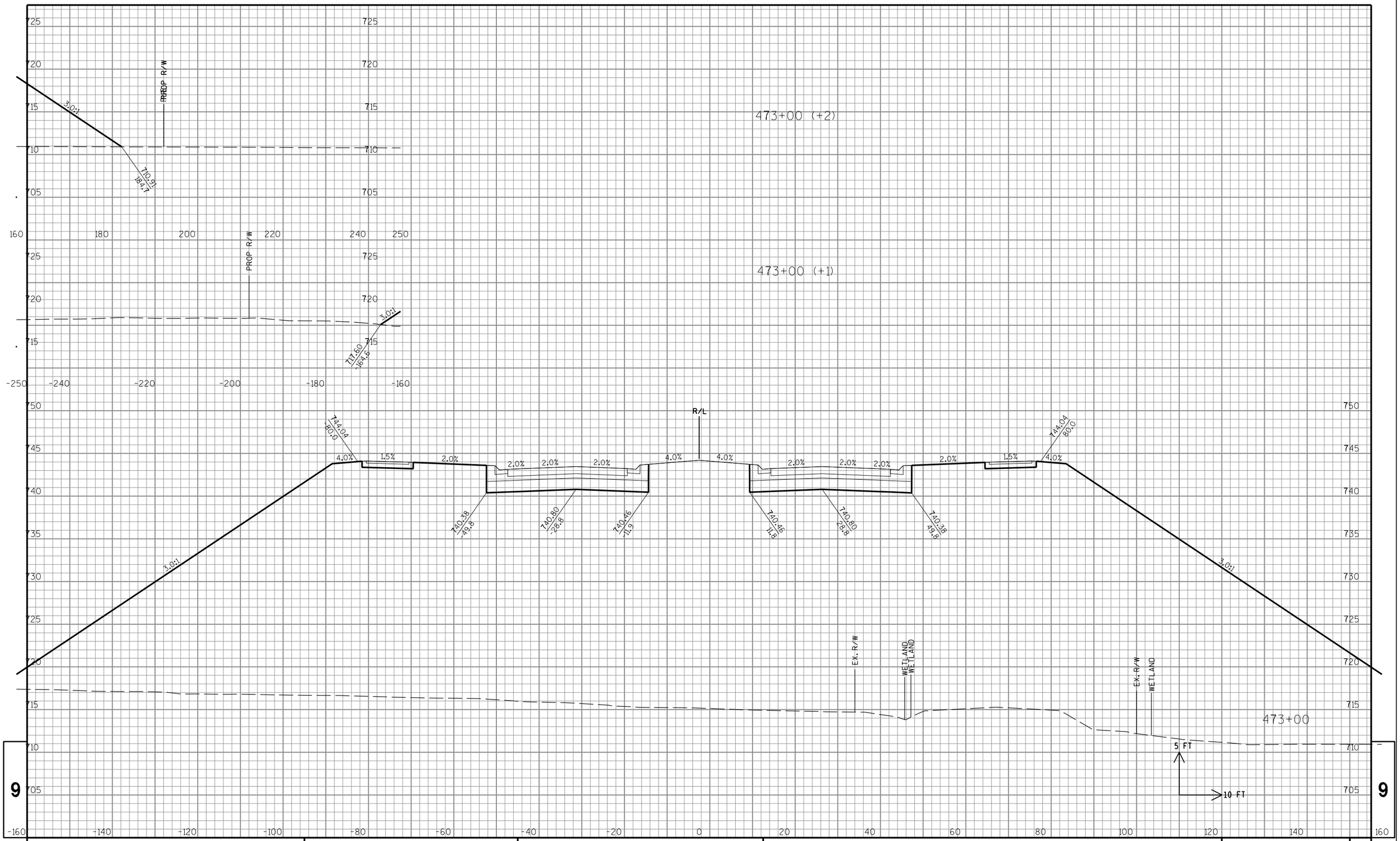
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STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: E

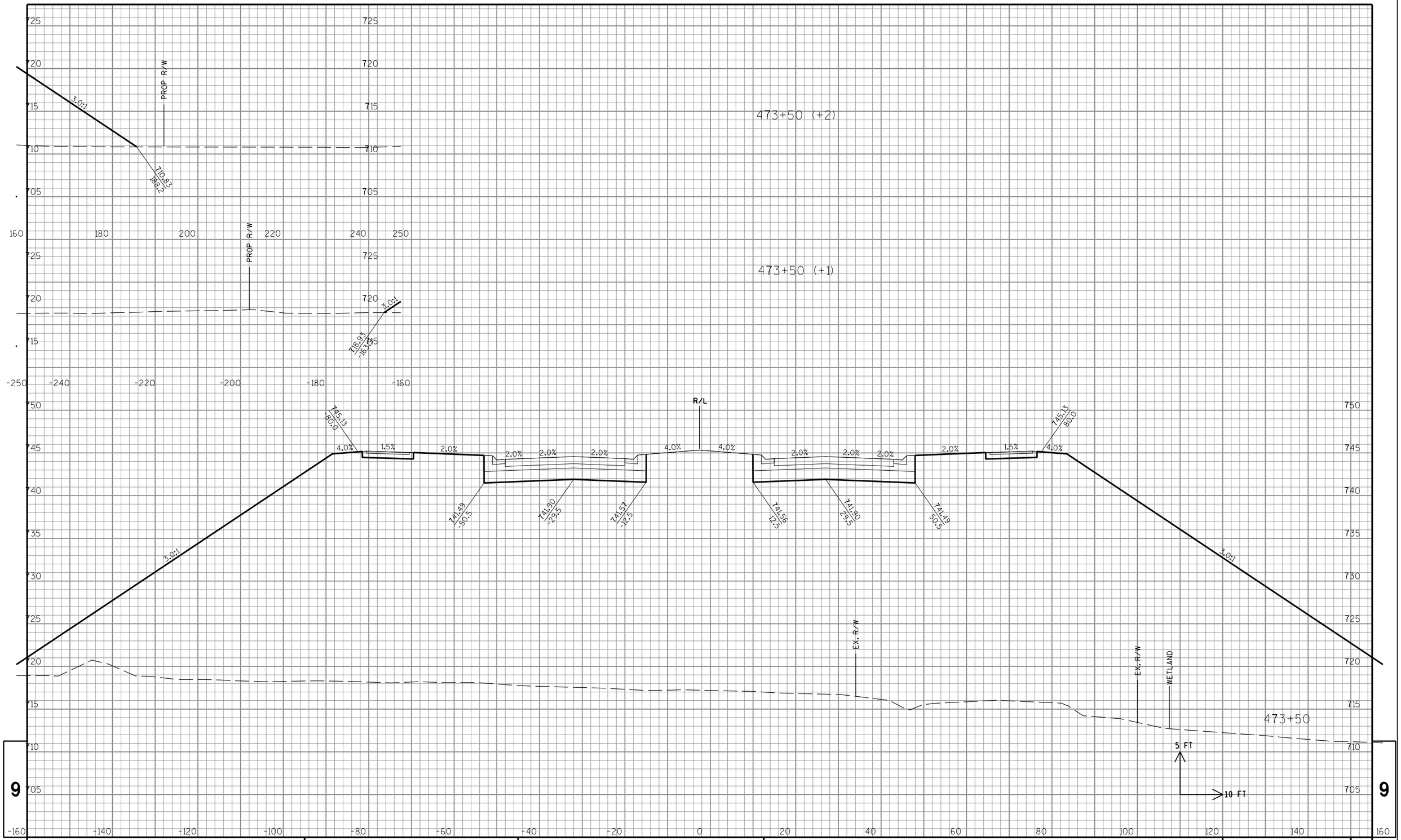
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PRE_295



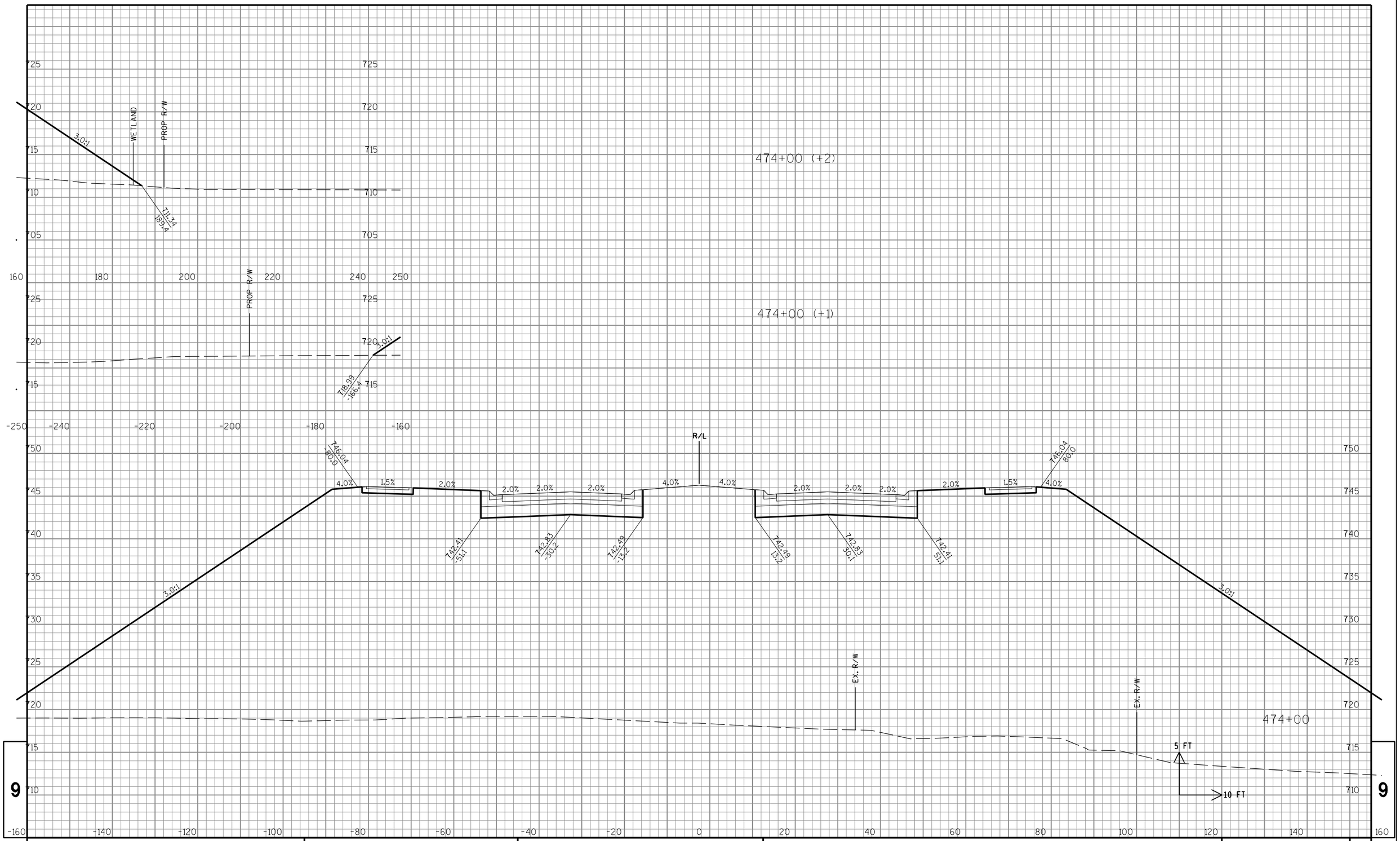
STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: PRE_296 E

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STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: PRE_297 E

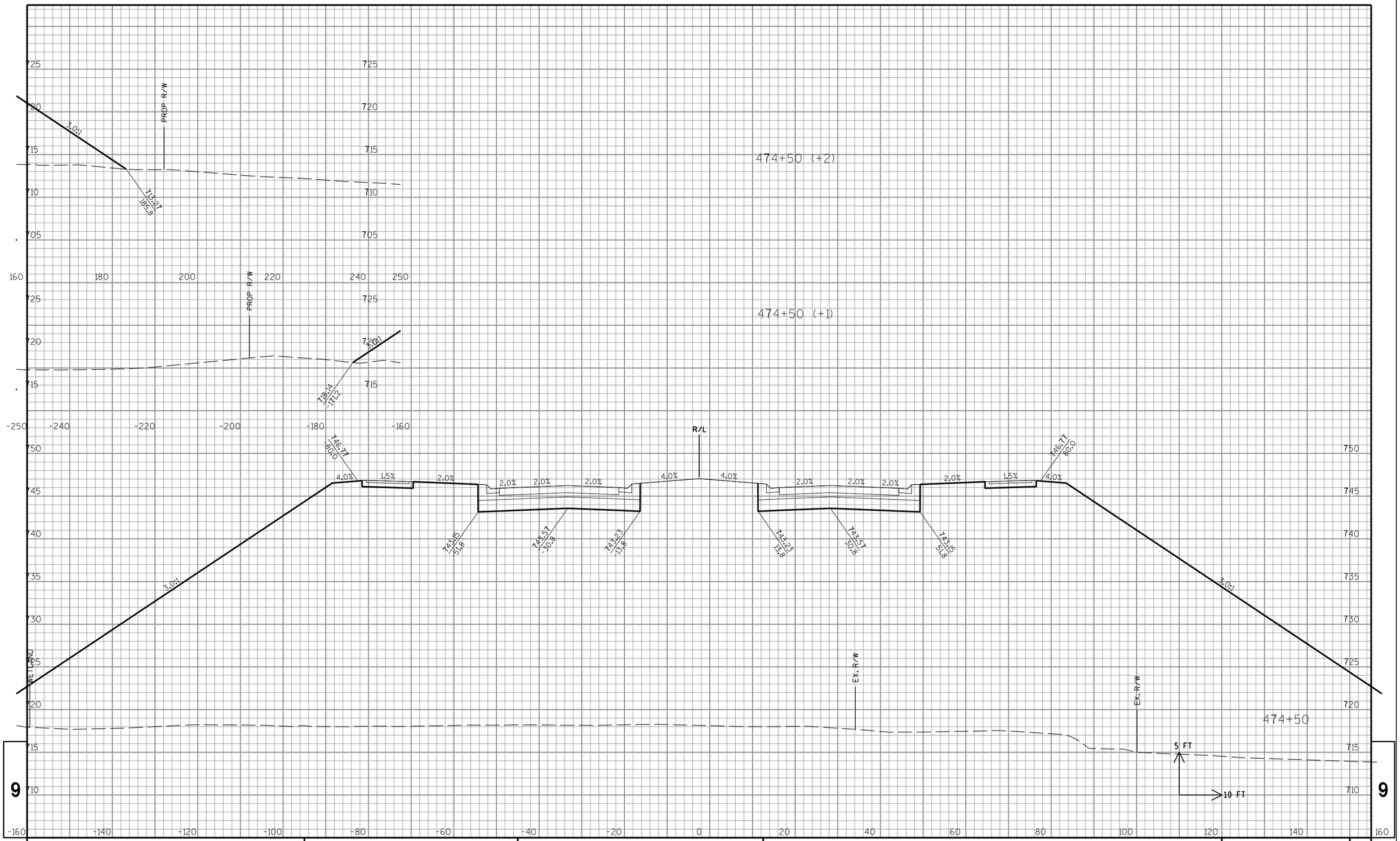
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STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090201_xs_CTHKR.dgn PLOT DATE : 8/14/2019 PLOT BY : ndamro PLOT NAME : PLOT SCALE : 1:20

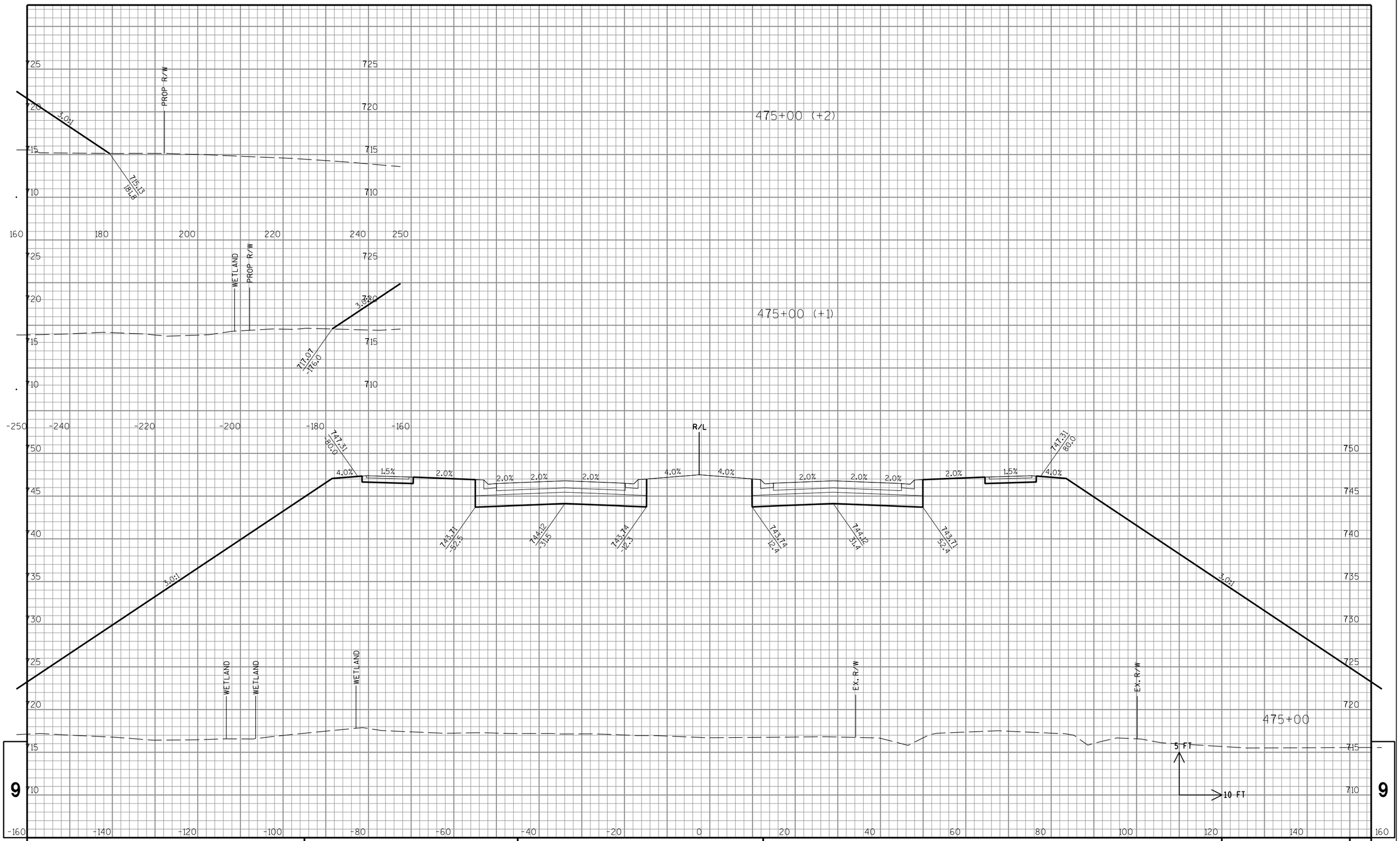
PRE_298



9

STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: E

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STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090201_xs_CTHKR.dgn PLOT DATE : 8/14/2019 PLOT BY : ndamro PLOT NAME : PRE_300 PLOT SCALE : 1:20

475+50 (+2)

475+50 (+1)

475+50

PROP R/W

PROP R/W

R/L

EX. R/W

EX. R/W

WETLAND

WETLAND

WETLAND

WETLAND

3.0:1

3.0:1

3.0:1

3.0:1

4.0%

1.5%

2.0%

4.0%

1.5%

4.0%

5 FT

10 FT

9

9

STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090201_xs_CTHKR.dgn PLOT DATE : 8/14/2019 PLOT BY : ndamro PLOT NAME : PLOT SCALE : 1:20

PRE_301

476+00 (+2)

476+00 (+1)

476+00

PROP R/W

PROP R/W

3.0:1

7+5.91
-17.2

3.0:1

7+5.18
-17.2

R/L

4.0% 1.5% 2.0% 2.0% 2.0% 2.0% 4.0% 4.0% 2.0% 2.0% 2.0% 2.0% 1.5% 4.0%

747.50
-73.0

744.16
-58.7

744.68
-32.8

744.16
7.0

744.35
7.1

744.68
32.1

744.35
58.6

747.51
73.1

3.0:1

3.0:1

WETLAND

EX. R/W

WETLAND

EX. R/W

5 FT

10 FT

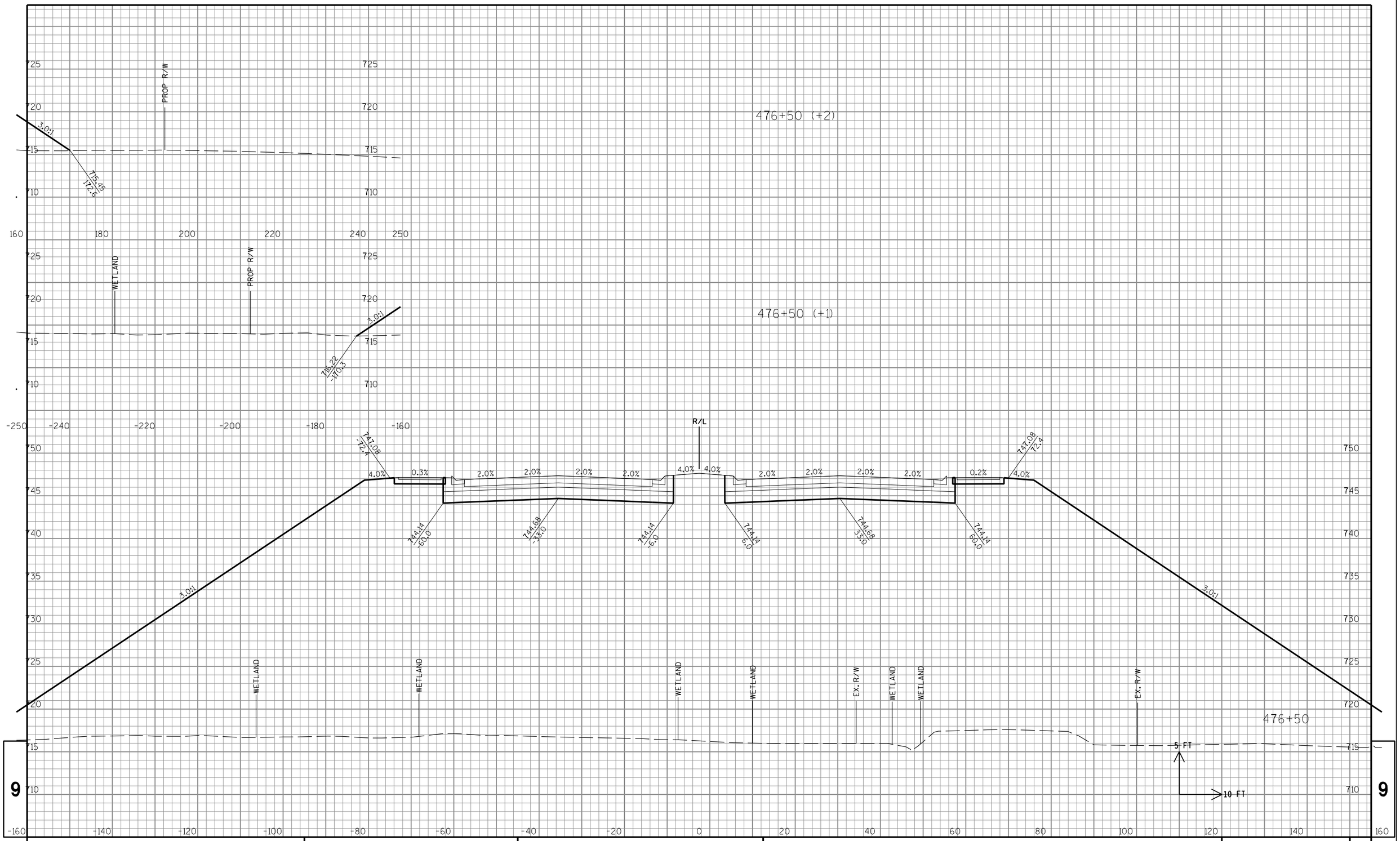
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STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090201_xs_CTHKR.dgn PLOT DATE : 8/14/2019 PLOT BY : ndamro PLOT NAME : PLOT SCALE : 1:20

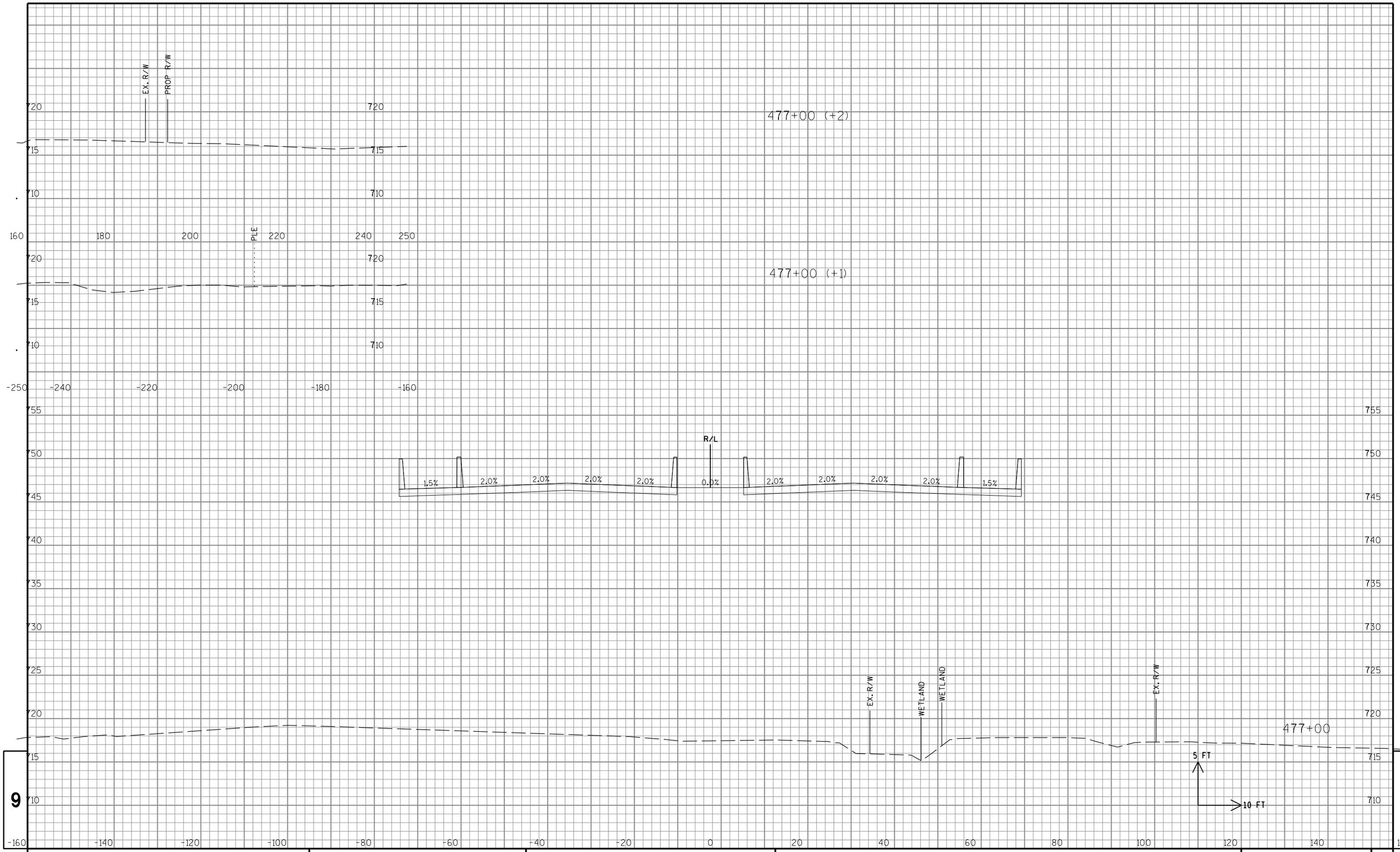
PRE_302



STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090201_xs_CTHKR.dgn PLOT DATE : 8/14/2019 PLOT BY : ndamro PLOT NAME : PLOT SCALE : 1:20

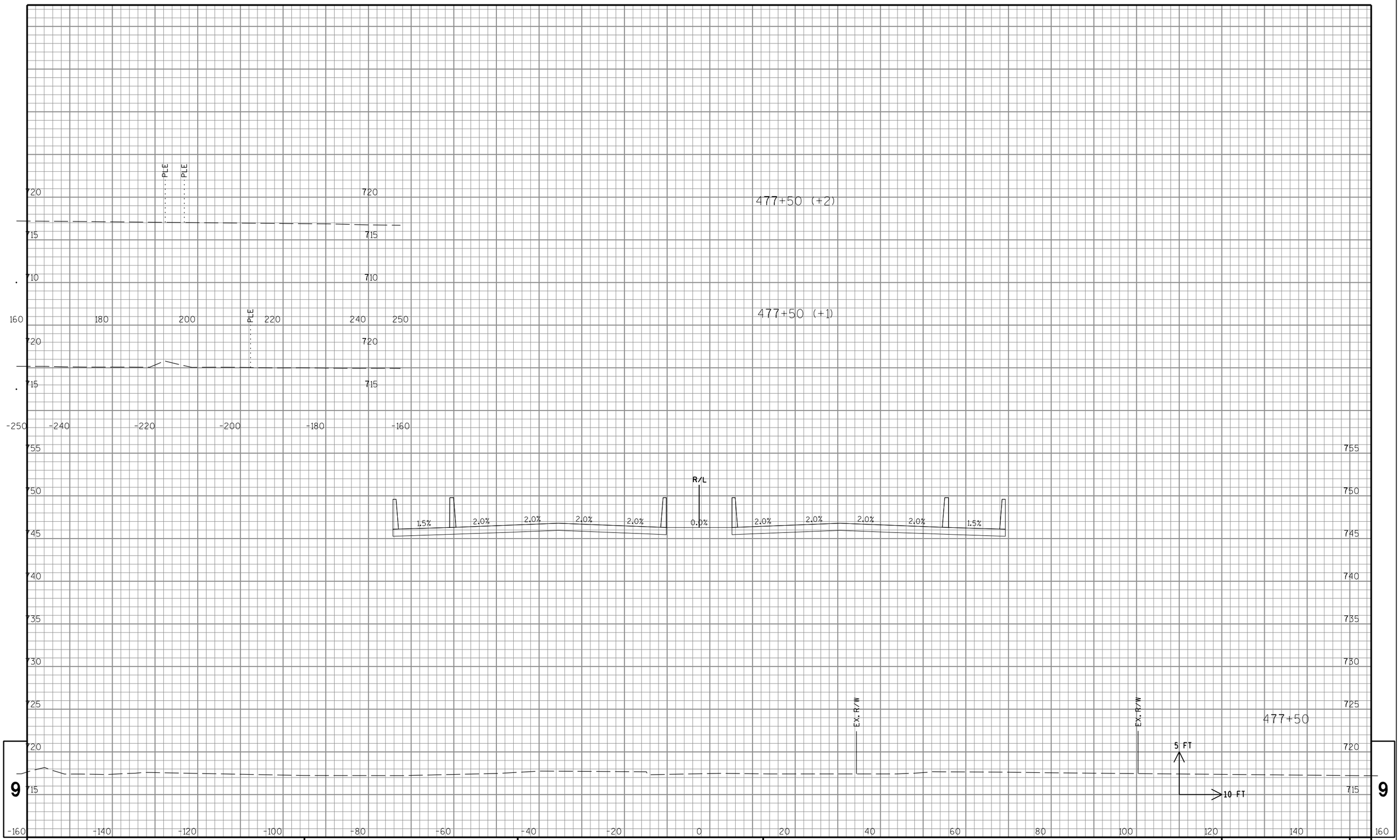
PRE_303



STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090201_xs_CTHKR.dgn PLOT DATE : 8/14/2019 PLOT BY : ndamro PLOT NAME : PLOT SCALE : 1:20

PRE_304

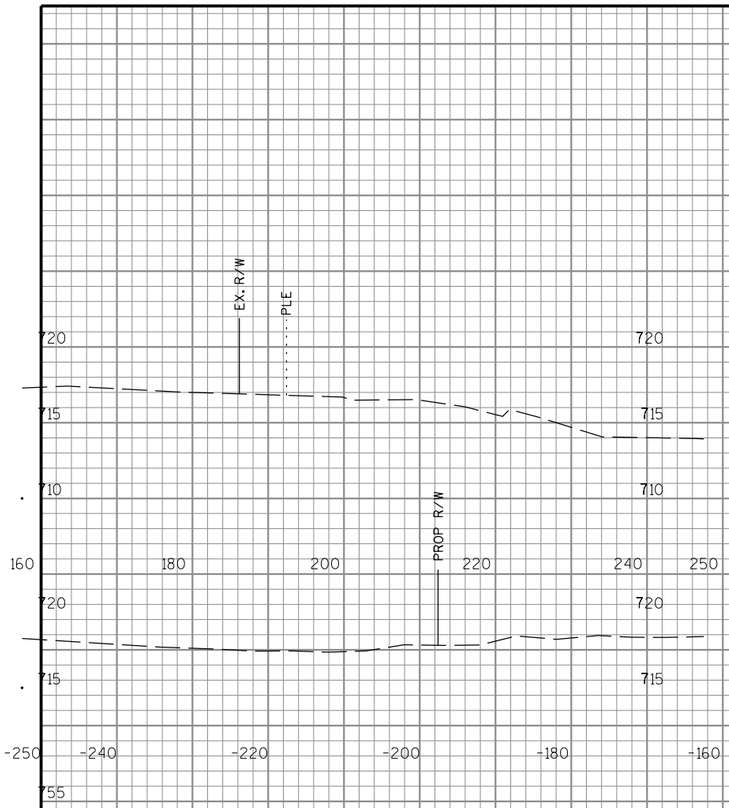


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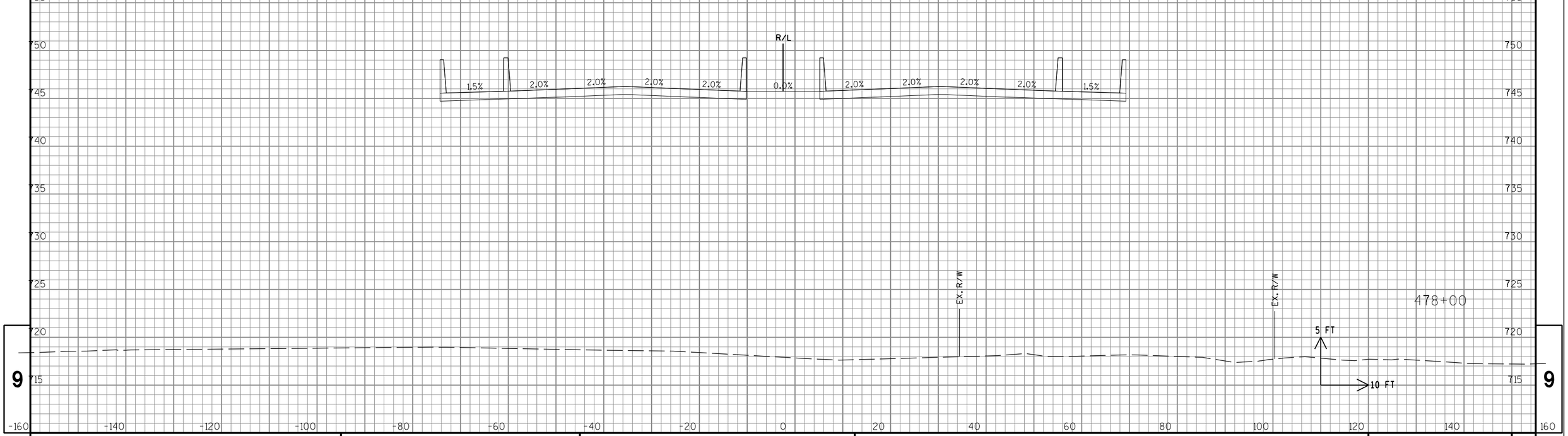
STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: PRE_305 E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090201_xs_CTHKR.dgn PLOT DATE : 8/14/2019 PLOT BY : ndamro PLOT NAME : PLOT SCALE : 1:20



478+00 (+2)

478+00 (+1)



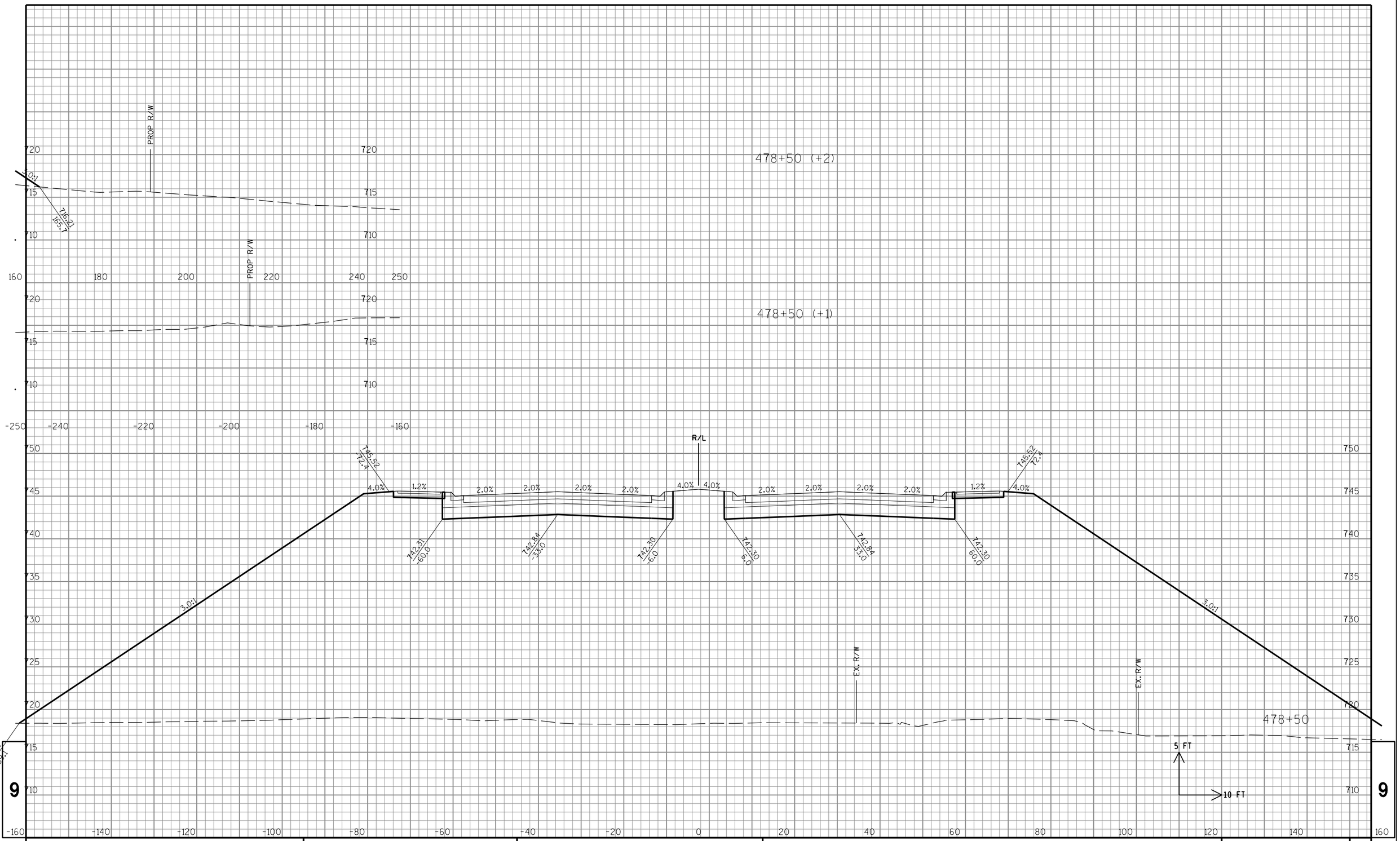
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STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090201_xs_CTHKR.dgn PLOT DATE : 8/14/2019 PLOT BY : ndamro PLOT NAME : PLOT SCALE : 1:20

PRE_306



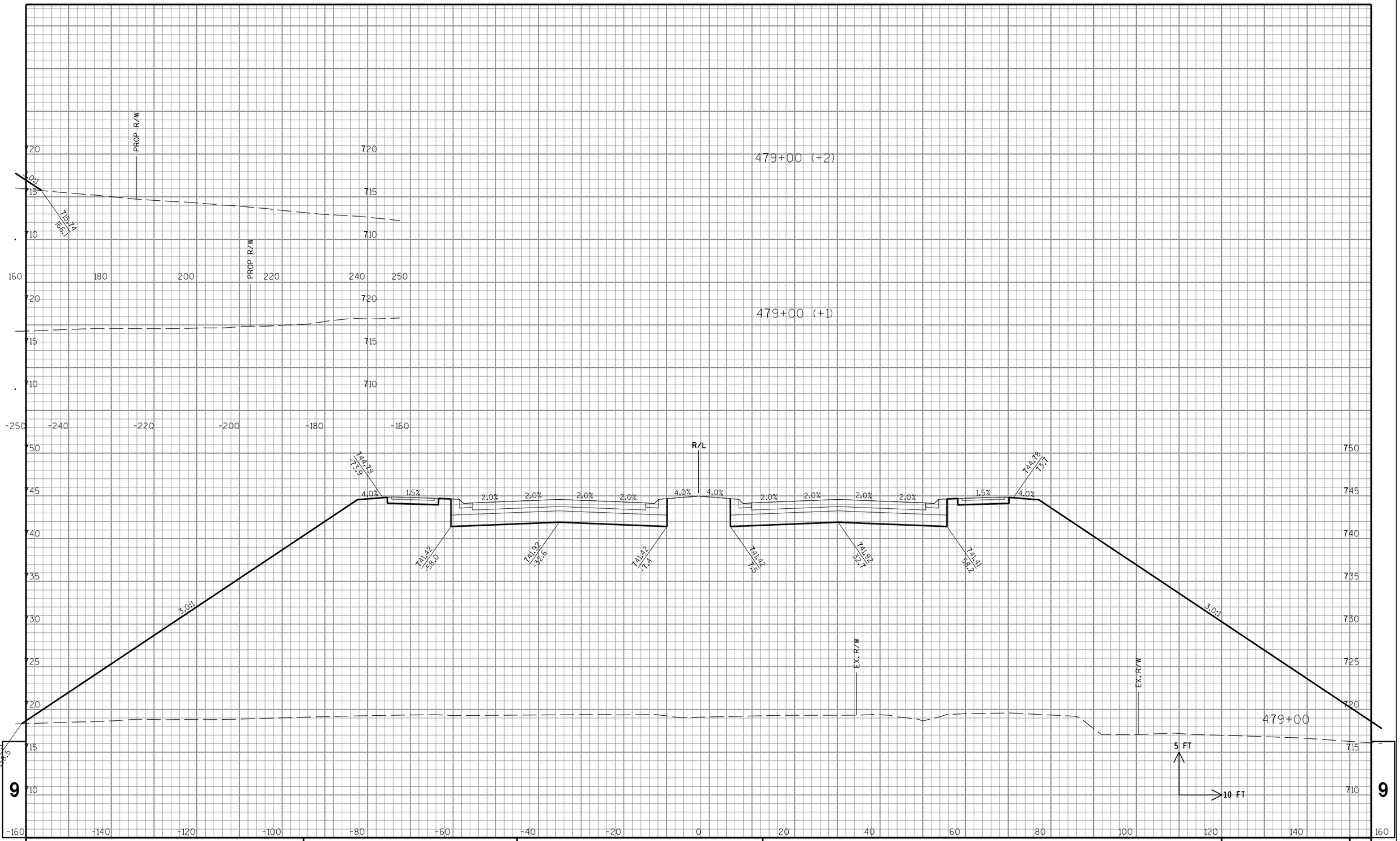
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STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090201_xs_CTHKR.dgn PLOT DATE : 8/14/2019 PLOT BY : ndamro PLOT NAME : PLOT SCALE : 1:20

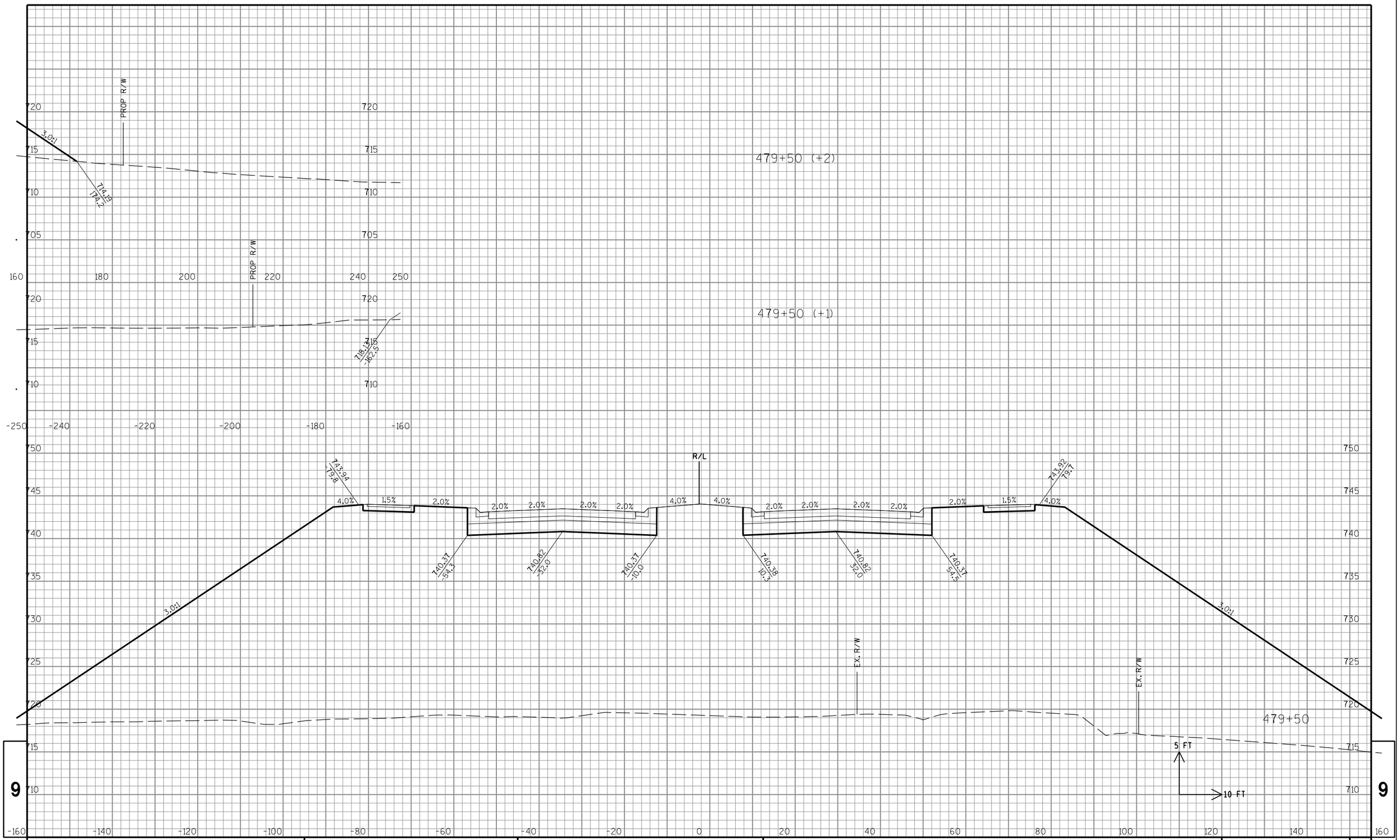
PRE_307



STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090201_xs_CTHKR.dgn PLOT DATE : 8/14/2019 PLOT BY : ndamro PLOT NAME : PLOT SCALE : 1:20

PRE_308



STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: PRE_309 E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090201_xs_CTHKR.dgn PLOT DATE : 8/14/2019 PLOT BY : ndamro PLOT NAME : PLOT SCALE : 1:20

480+00 (+2)

480+00 (+1)

480+00

PROP R/W

PROP R/W

EX. R/W

EX. R/W

R/L

3.0:1

3.0:1

3.0:1

4.0%

1.5%

2.0%

2.0%

2.0%

2.0%

4.0%

4.0%

2.0%

2.0%

2.0%

2.0%

1.5%

4.0%

718.34
-166.4

713.56
172.7

742.72
80.0

739.41
-92.3

739.53
-31.3

739.15
12.7

739.15
12.9

739.53
31.4

739.41
52.4

742.72
80.0

5 FT

10 FT

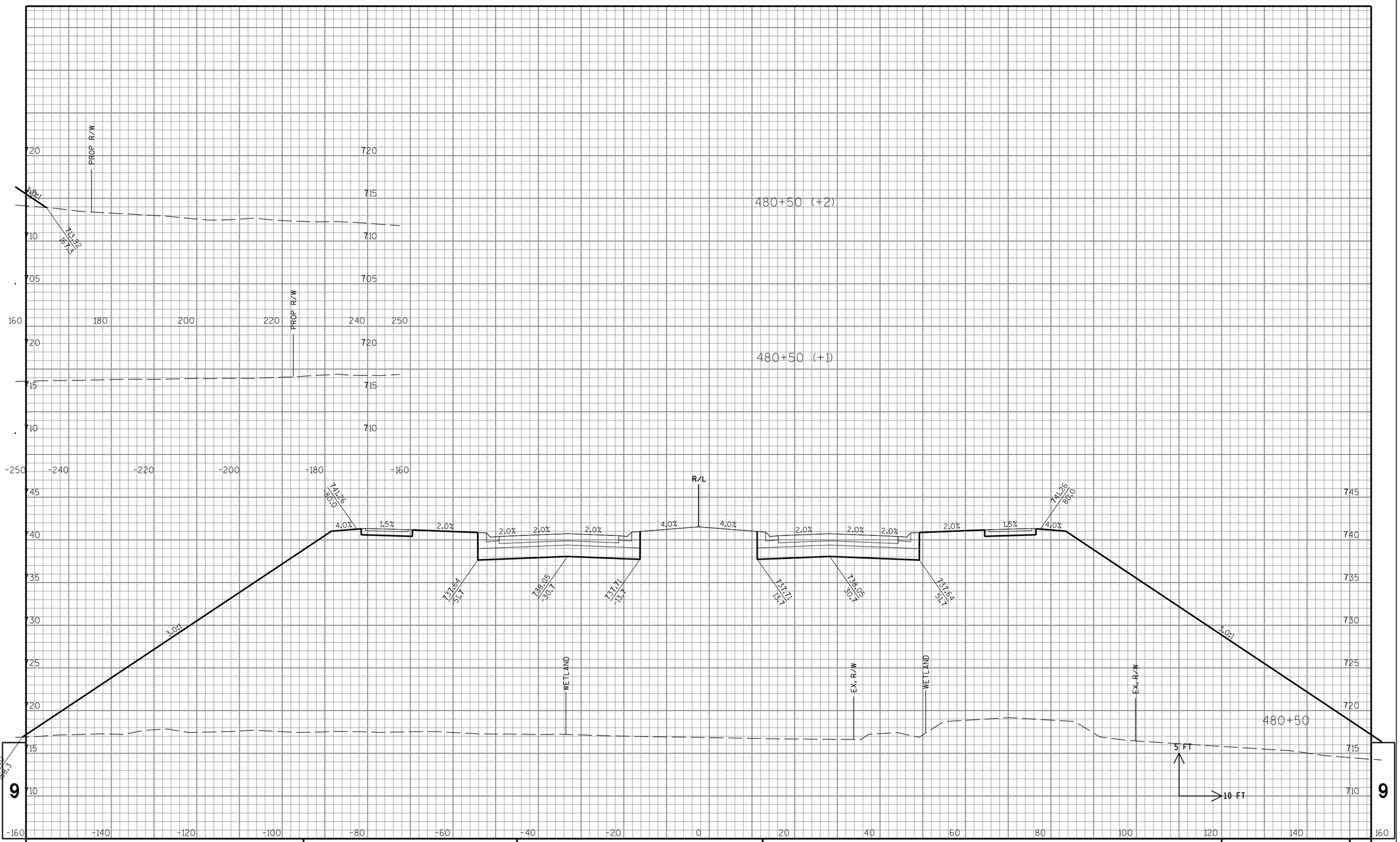
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STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: E

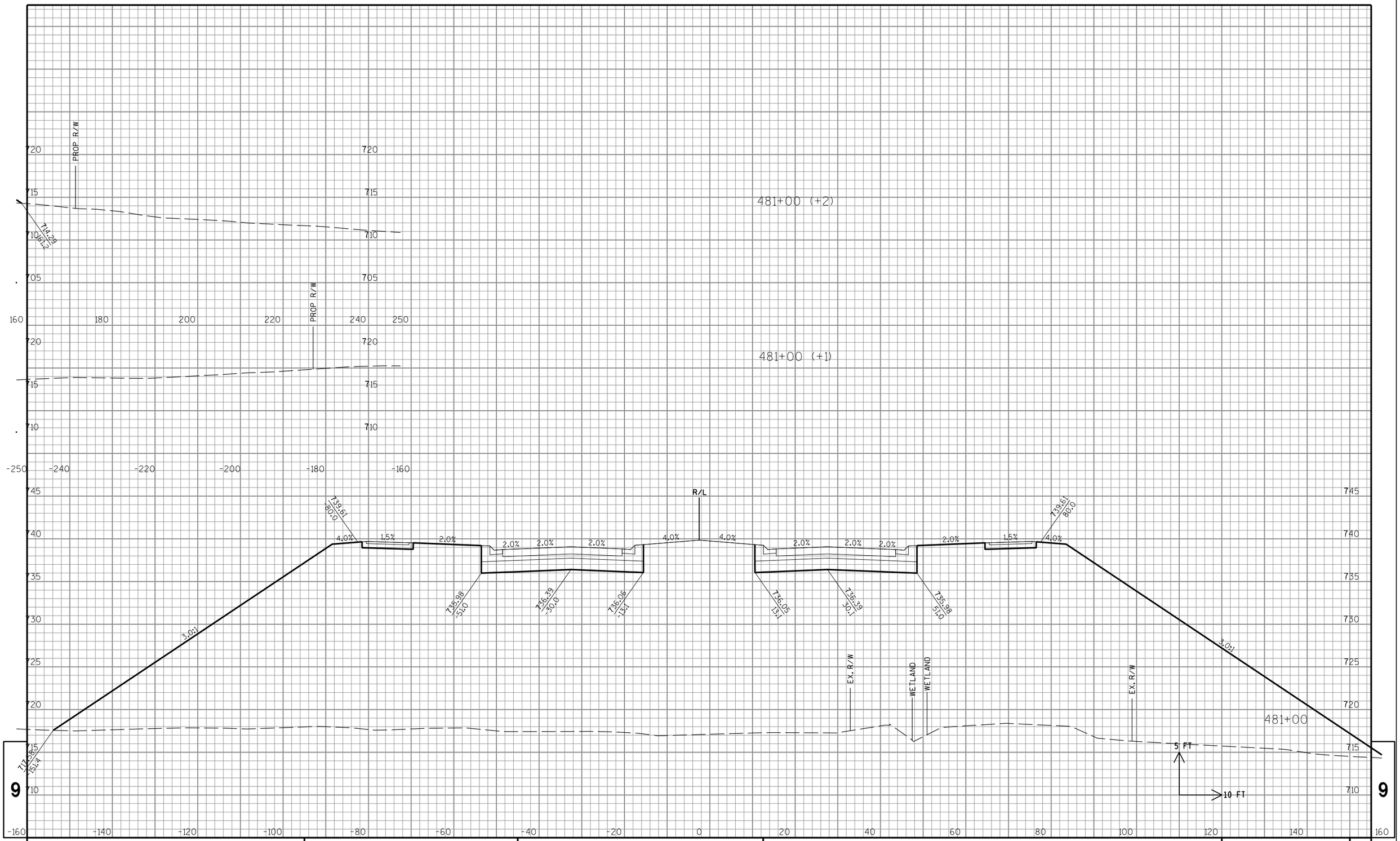
FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090201_xs_CTHKR.dgn PLOT DATE : 8/14/2019 PLOT BY : ndamro PLOT NAME : PLOT SCALE : 1:20

PRE_310



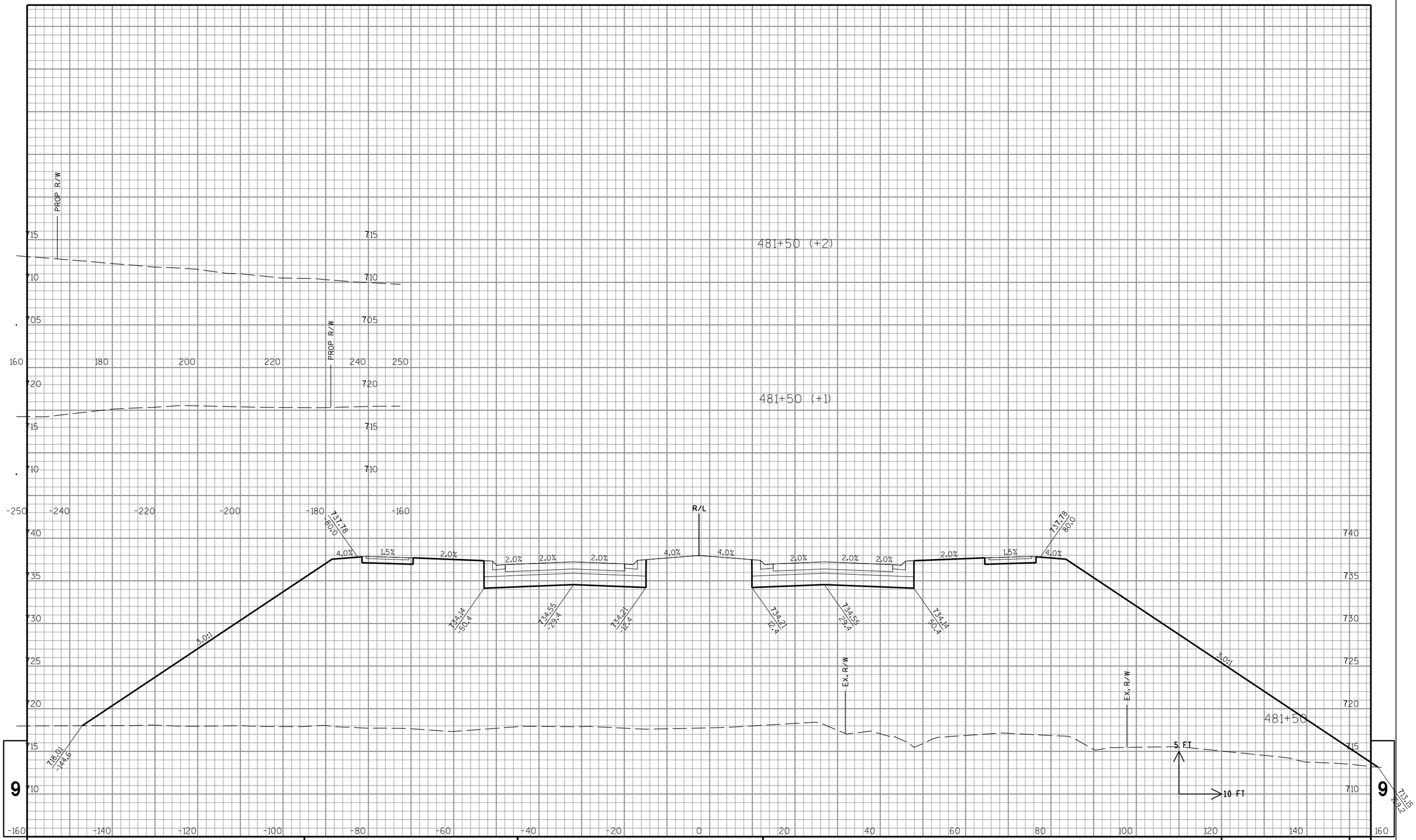
STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: PRE_311 E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090201_xs_CTHKR.dgn PLOT DATE : 8/14/2019 PLOT BY : ndamro PLOT NAME : PLOT SCALE : 1:20



STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: PRE_312 E

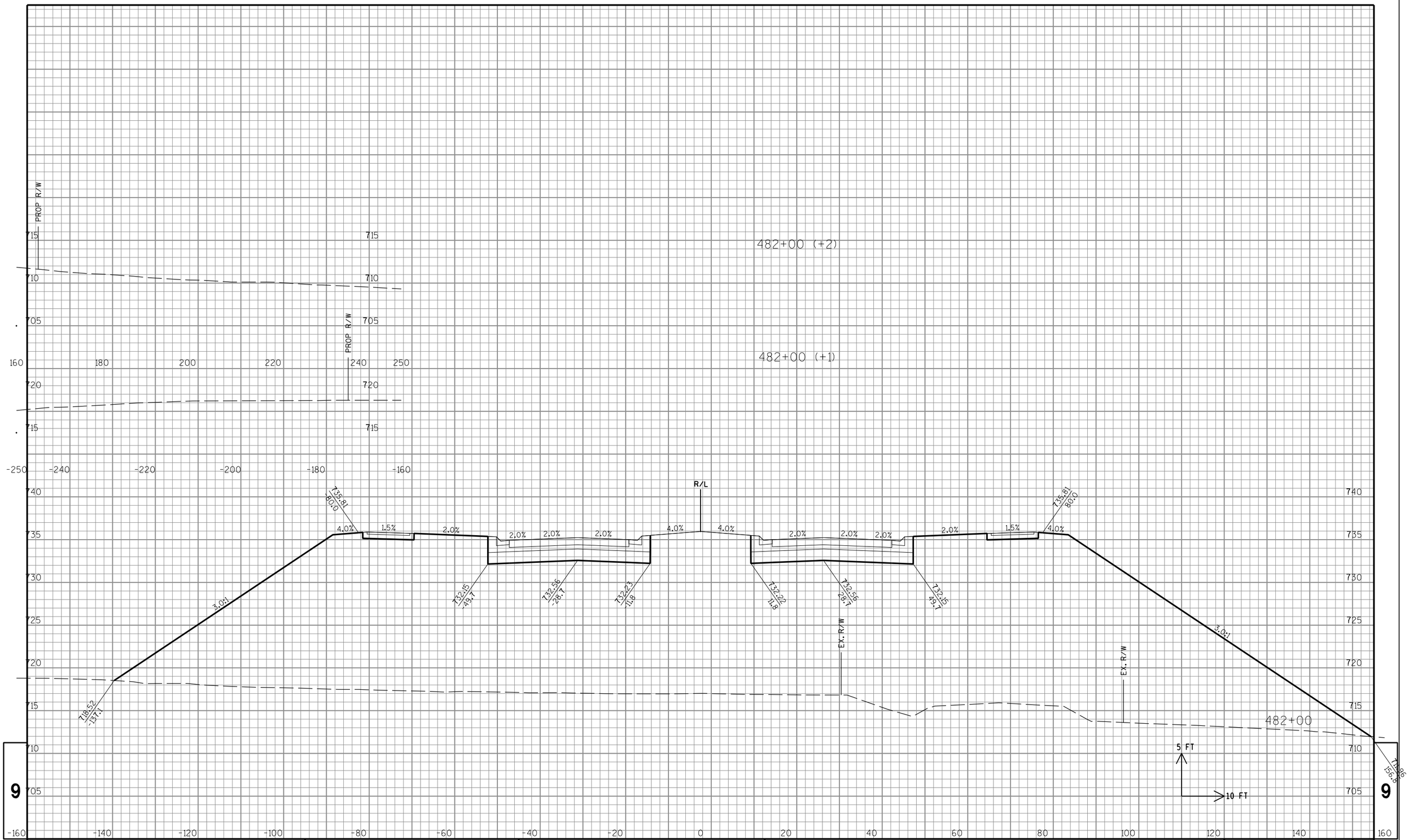
FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090201_xs_CTHKR.dgn PLOT DATE : 8/14/2019 PLOT BY : ndamro PLOT NAME : PLOT SCALE : 1:20



STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090201_xs_CTHKR.dgn PLOT DATE : 8/14/2019 PLOT BY : ndamro PLOT NAME : PLOT SCALE : 1:20

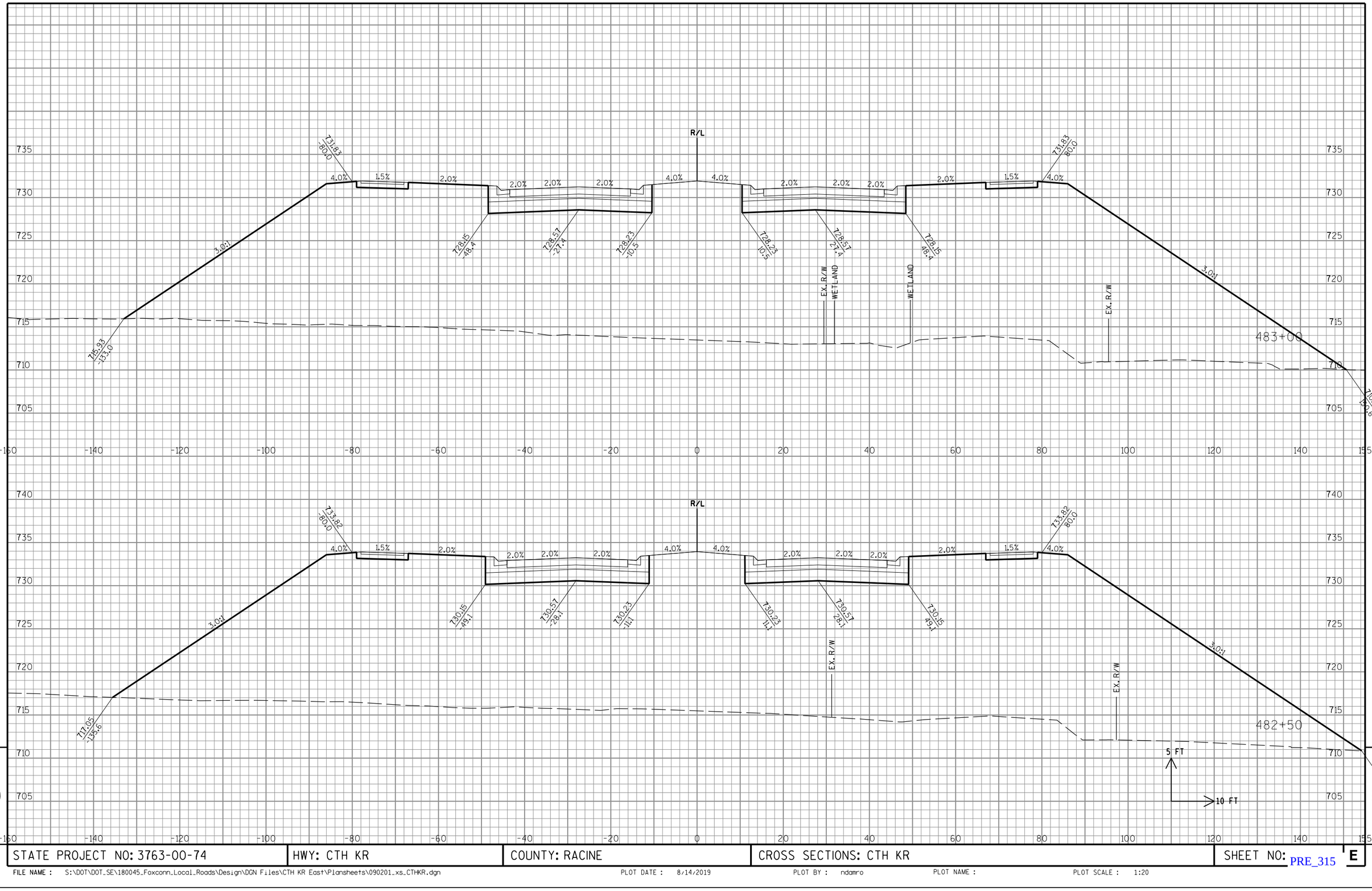
PRE_313



STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090201_xs_CTHKR.dgn PLOT DATE : 8/14/2019 PLOT BY : ndamro PLOT NAME : PLOT SCALE : 1:20

PRE_314

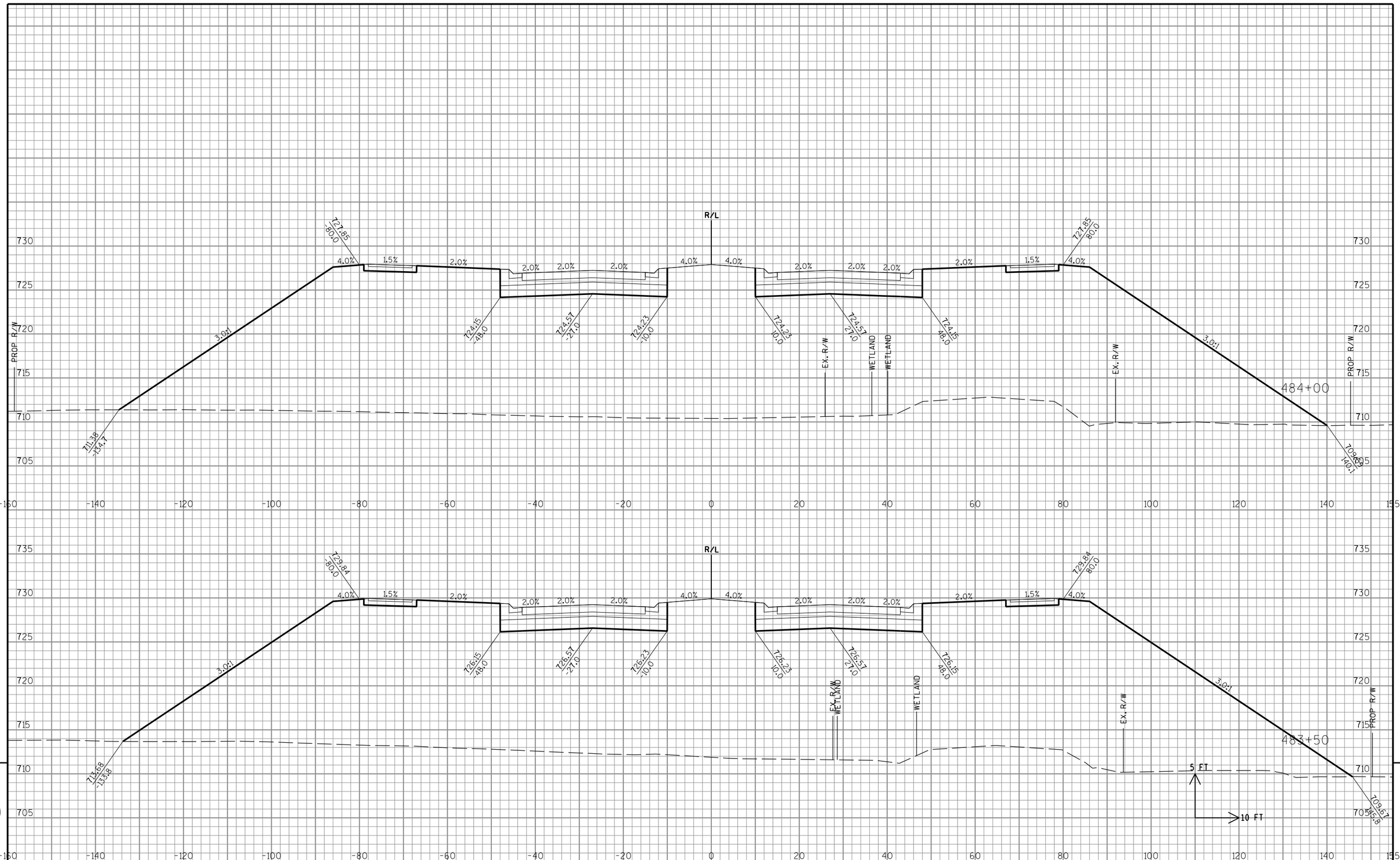


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STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: PRE_315 E

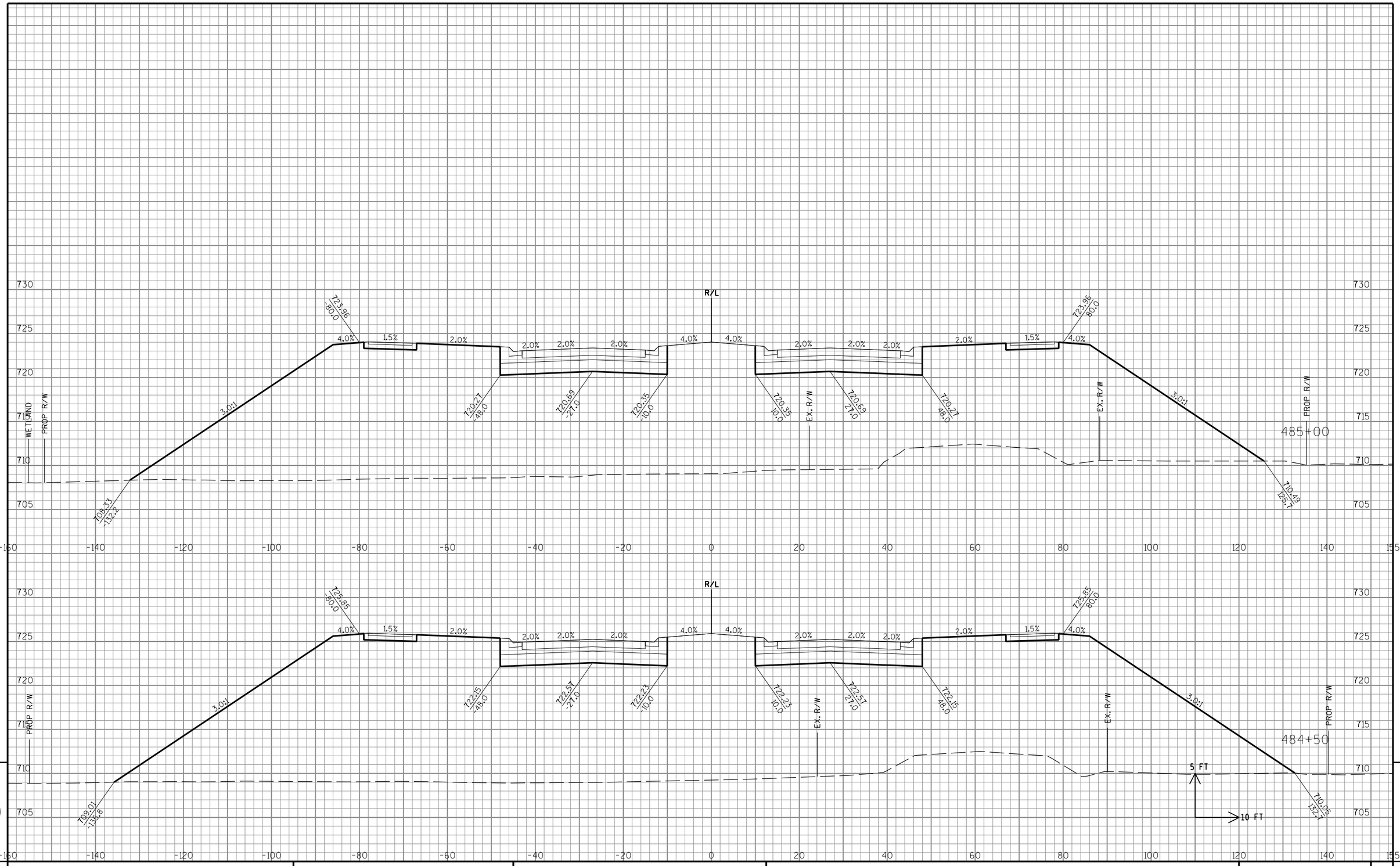
FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090201_xs_CTHKR.dgn PLOT DATE : 8/14/2019 PLOT BY : ndamro PLOT NAME : PLOT SCALE : 1:20



STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: E

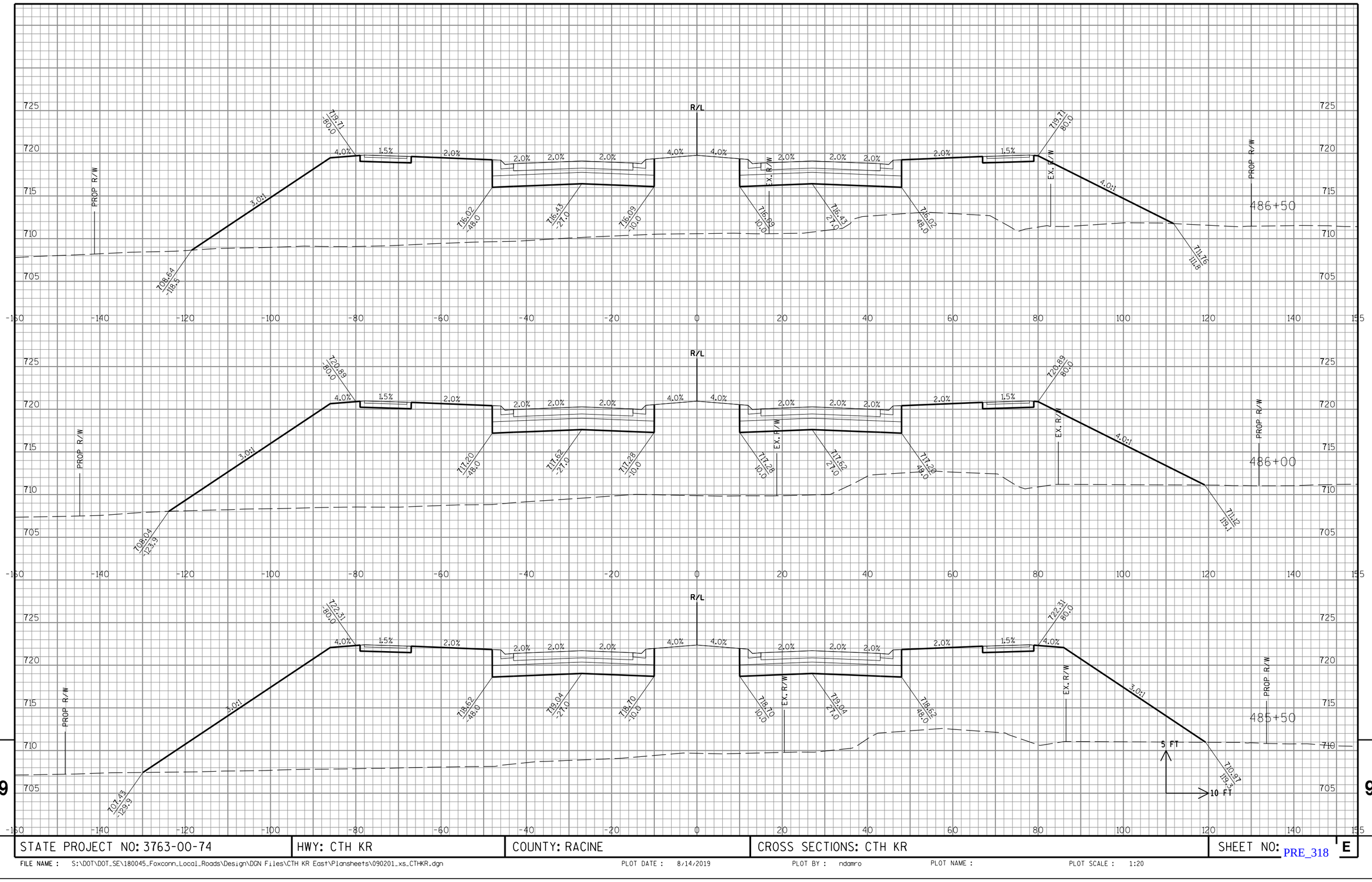
FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090201_xs_CTHKR.dgn PLOT DATE : 8/14/2019 PLOT BY : ndamro PLOT NAME : PLOT SCALE : 1:20

PRE_316



STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: PRE_317 E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090201_xs_CTHKR.dgn PLOT DATE : 8/14/2019 PLOT BY : ndamro PLOT NAME : PLOT SCALE : 1:20

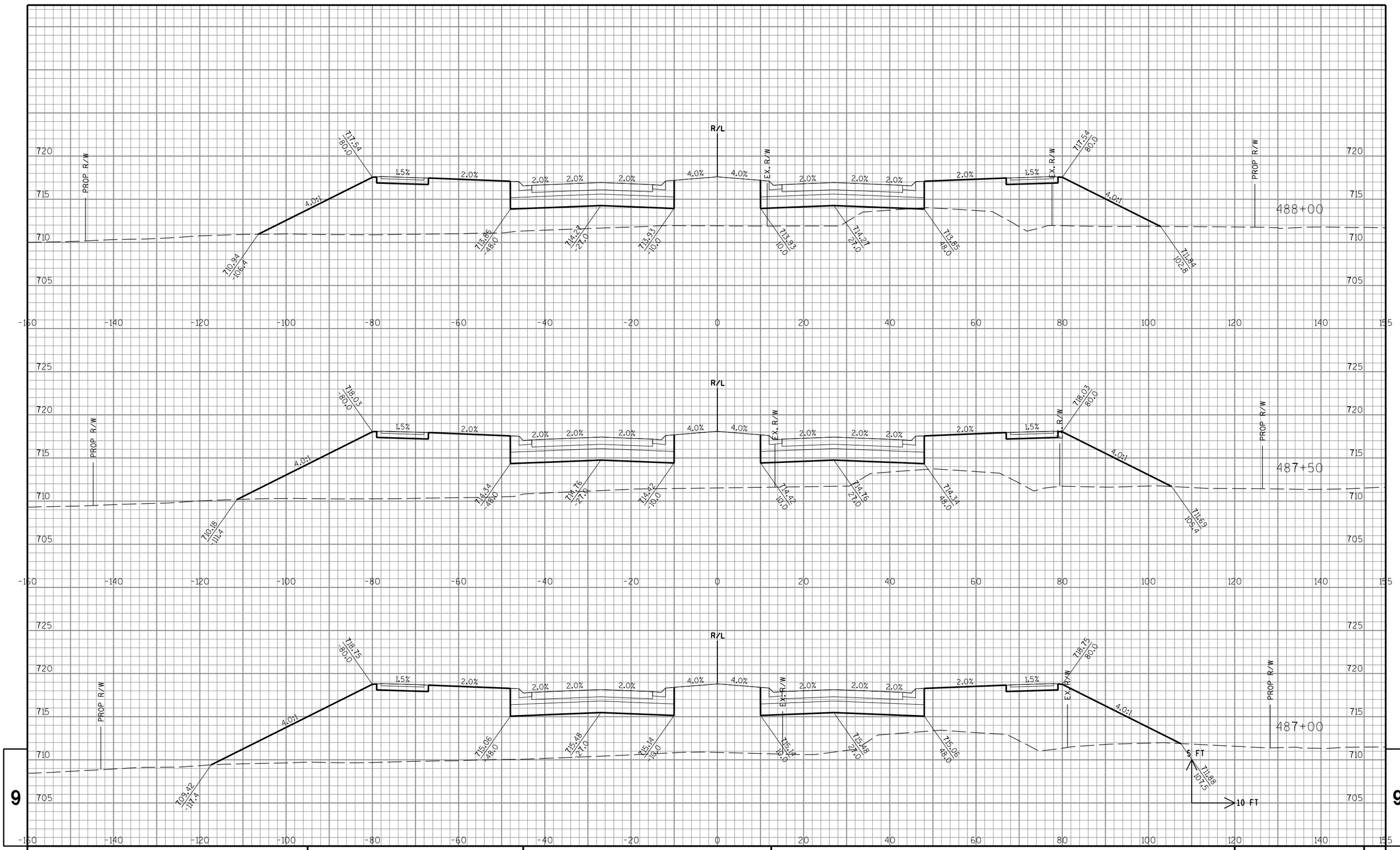


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STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: PRE_318 E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090201_xs_CTHKR.dgn PLOT DATE : 8/14/2019 PLOT BY : ndamro PLOT NAME : PLOT SCALE : 1:20

9



STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090201_xs_CTHKR.dgn PLOT DATE : 8/14/2019 PLOT BY : ndamro PLOT NAME : PLOT SCALE : 1:20

PRE_319

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9

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STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090201_xs_CTHKR.dgn PLOT DATE : 8/14/2019 PLOT BY : ndamro PLOT NAME : PLOT SCALE : 1:20

PRE_320

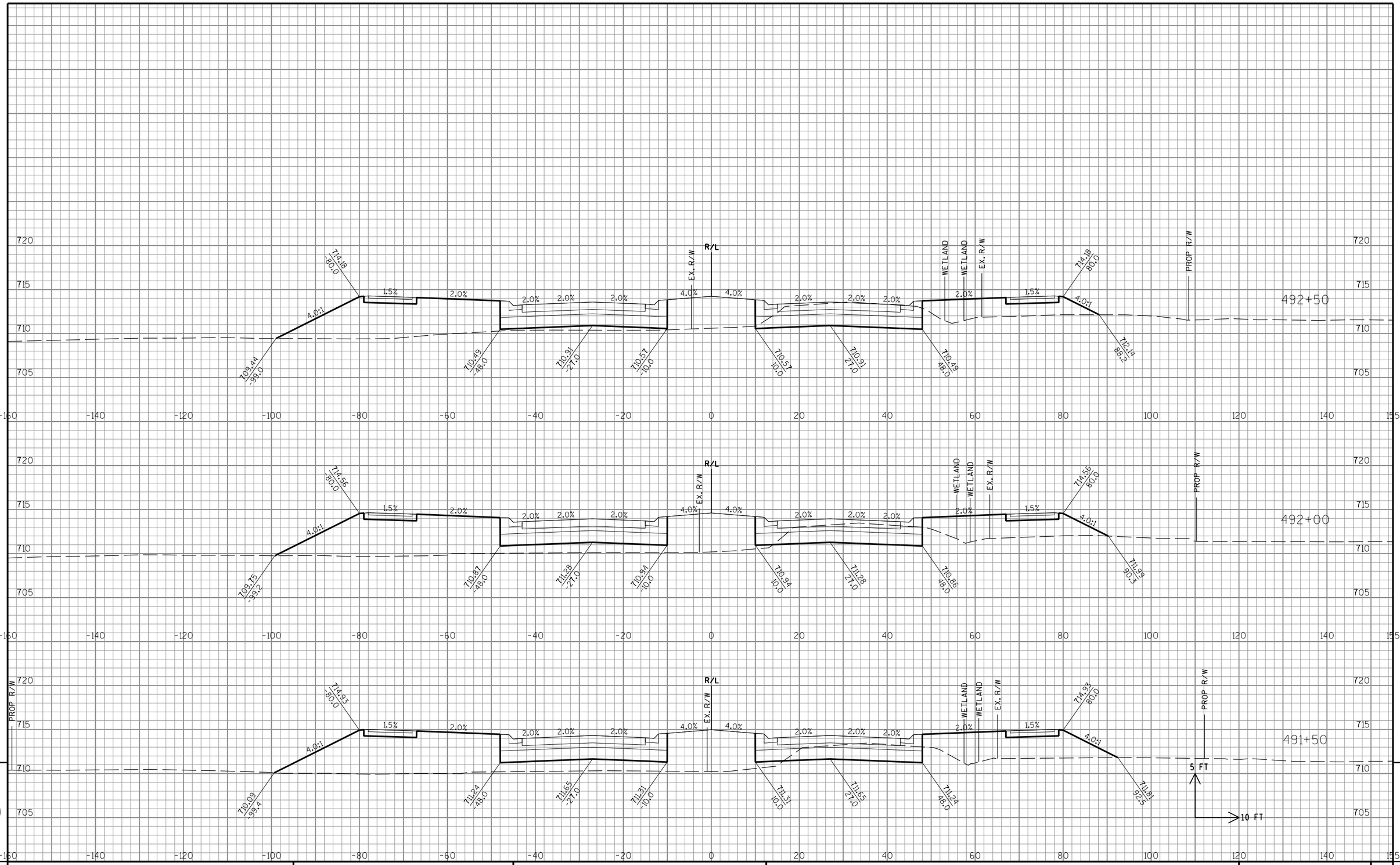
STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090201_xs_CTHKR.dgn PLOT DATE : 8/14/2019 PLOT BY : ndamro PLOT NAME : PLOT SCALE : 1:20

PRE_321

9

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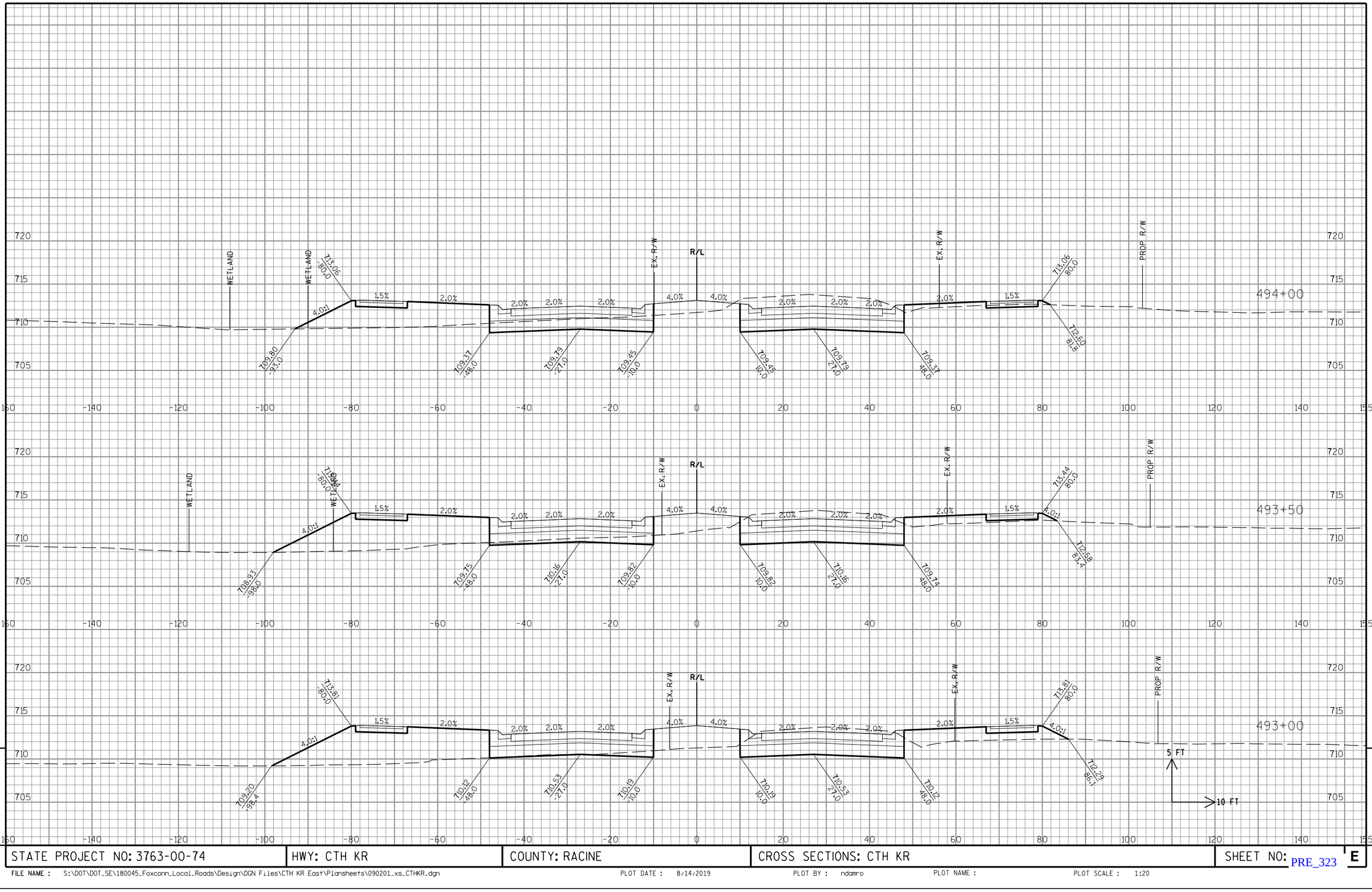
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STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090201_xs_CTHKR.dgn PLOT DATE : 8/14/2019 PLOT BY : ndamro PLOT NAME : PLOT SCALE : 1:20

PRE_322



9

9

STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090201_xs_CTHKR.dgn PLOT DATE : 8/14/2019 PLOT BY : ndamro PLOT NAME : PLOT SCALE : 1:20

PRE_323

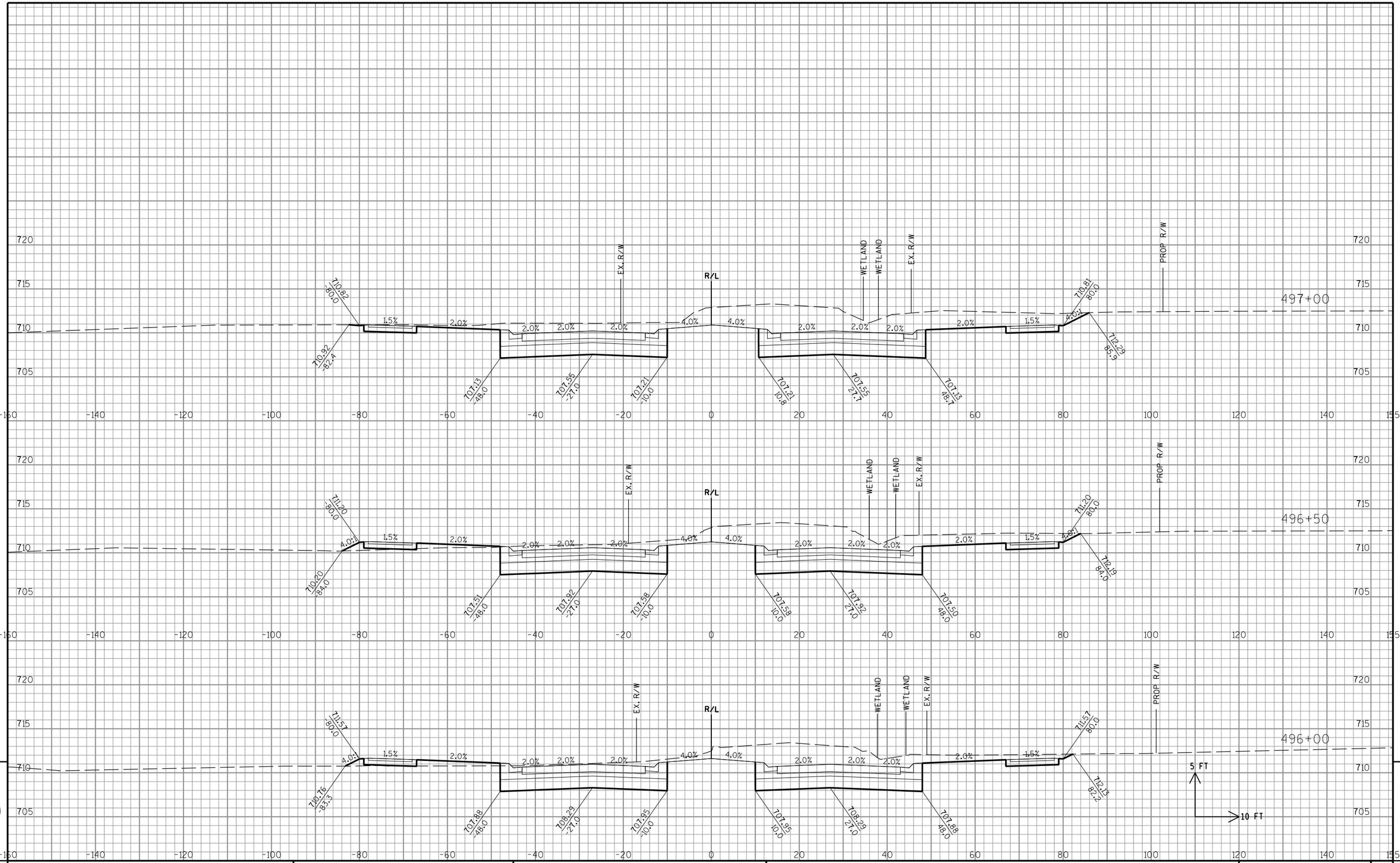
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STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090201_xs_CTHKR.dgn PLOT DATE : 8/14/2019 PLOT BY : ndamro PLOT NAME : PLOT SCALE : 1:20

PRE_324



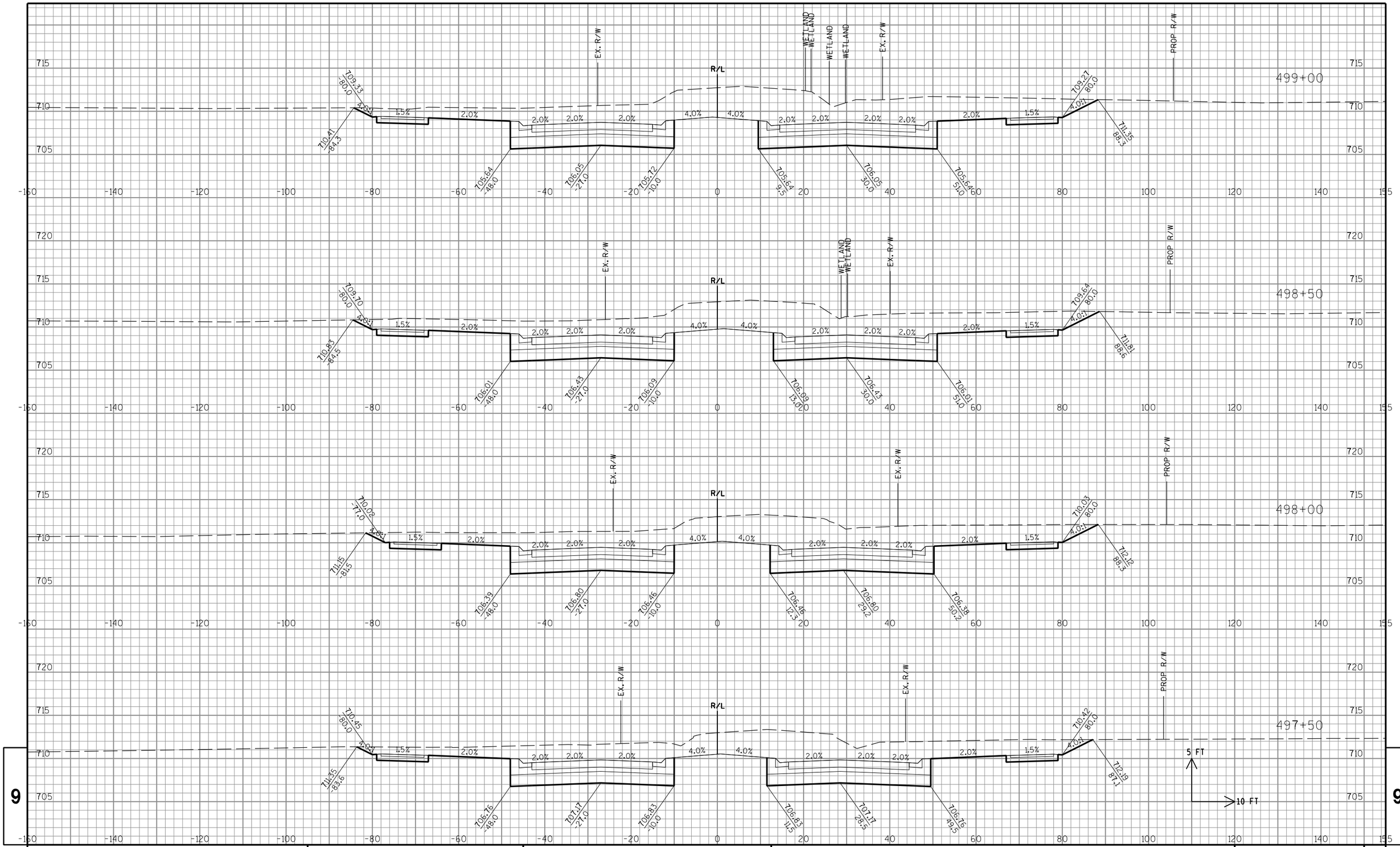
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STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: E

PRE_325

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090201_xs_CTHKR.dgn PLOT DATE : 8/14/2019 PLOT BY : ndamro PLOT NAME : PLOT SCALE : 1:20



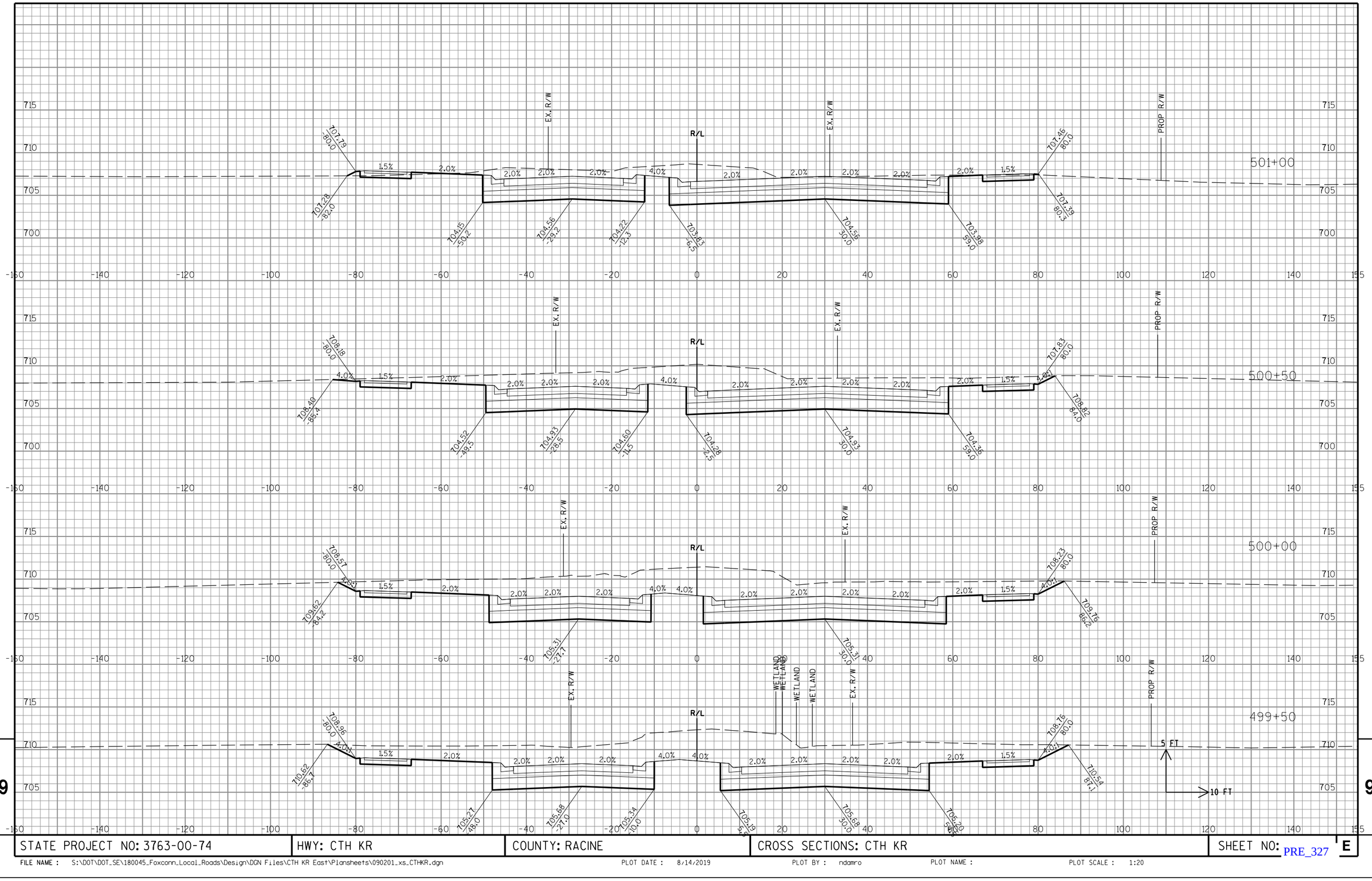
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STATE PROJECT NO: 3763-00-74 | HWY: CTH KR | COUNTY: RACINE | CROSS SECTIONS: CTH KR | SHEET NO: E

PRE_326

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090201_xs_CTHKR.dgn PLOT DATE : 8/14/2019 PLOT BY : ndamro PLOT NAME : PLOT SCALE : 1:20

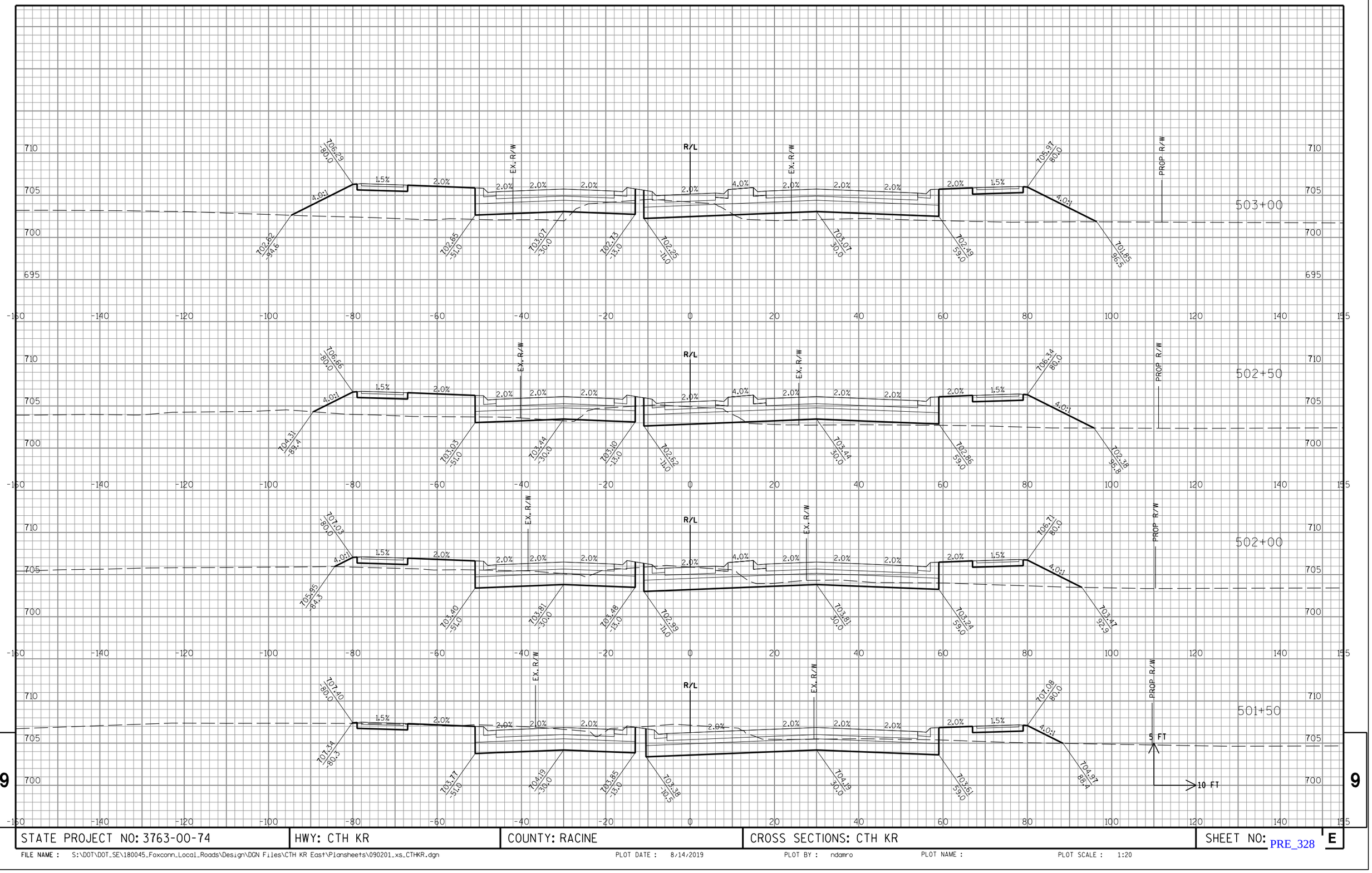


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STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: PRE_327 E

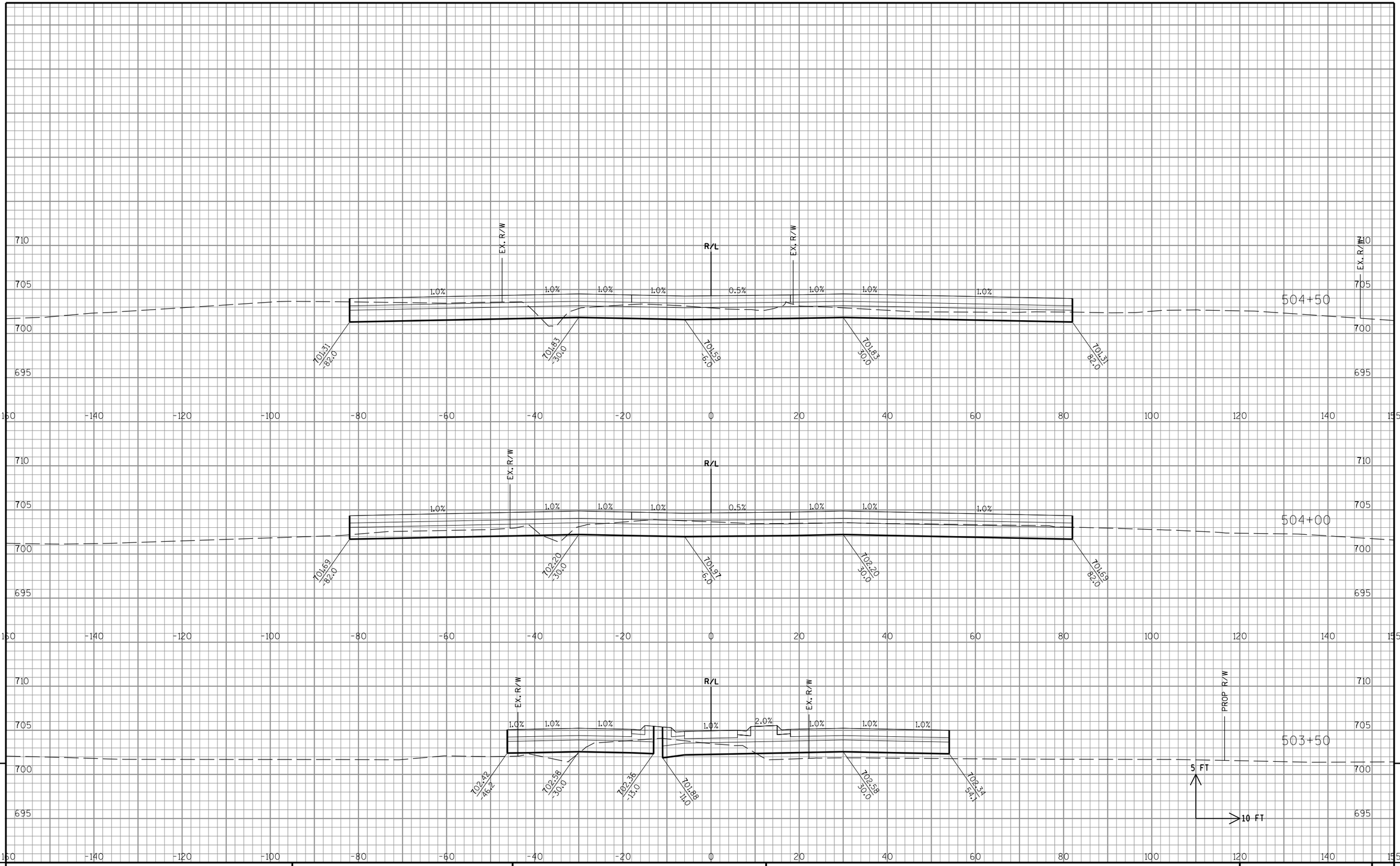
FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090201_xs_CTHKR.dgn PLOT DATE : 8/14/2019 PLOT BY : ndamro PLOT NAME : PLOT SCALE : 1:20



STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090201_xs_CTHKR.dgn PLOT DATE : 8/14/2019 PLOT BY : ndamro PLOT NAME : PLOT SCALE : 1:20

PRE_328



9

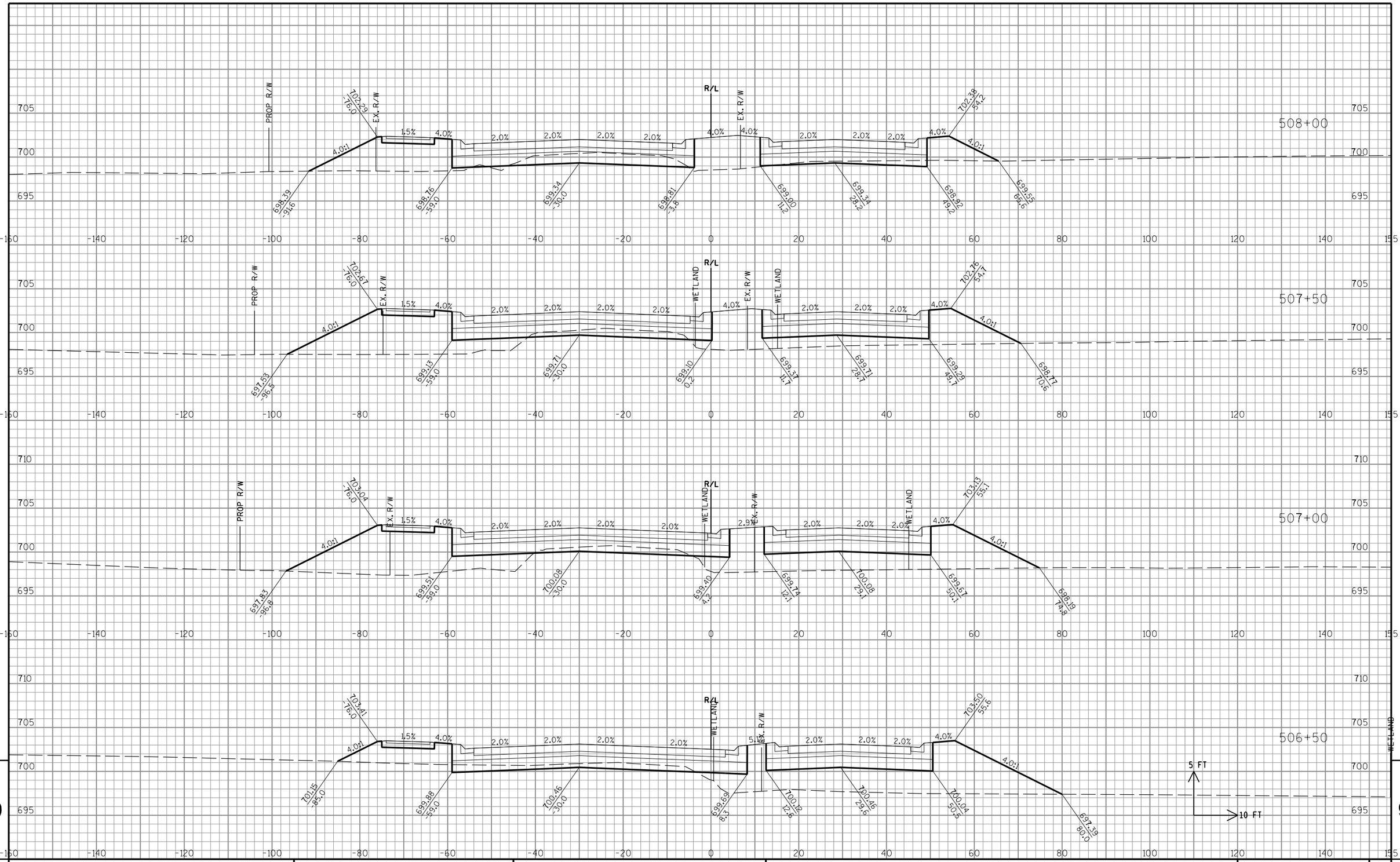
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STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: PRE_329 E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090201_xs_CTHKR.dgn PLOT DATE : 8/14/2019 PLOT BY : ndamro PLOT NAME : PLOT SCALE : 1:20

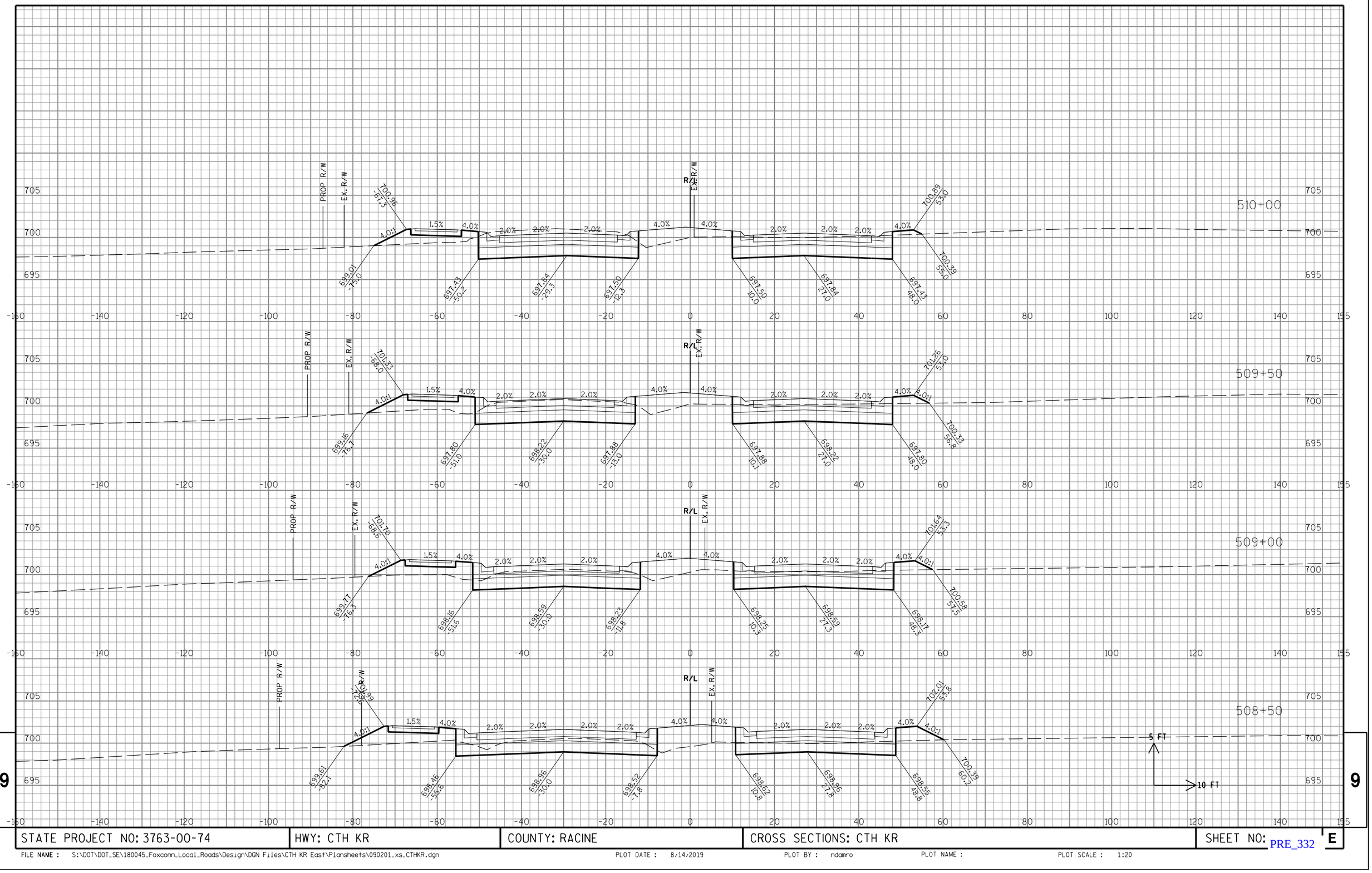
STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: PRE_330 E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090201_xs_CTHKR.dgn PLOT DATE : 8/14/2019 PLOT BY : ndamro PLOT NAME : PLOT SCALE : 1:20



STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: PRE_331 E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090201_xs_CTHKR.dgn PLOT DATE : 8/14/2019 PLOT BY : ndamro PLOT NAME : PLOT SCALE : 1:20

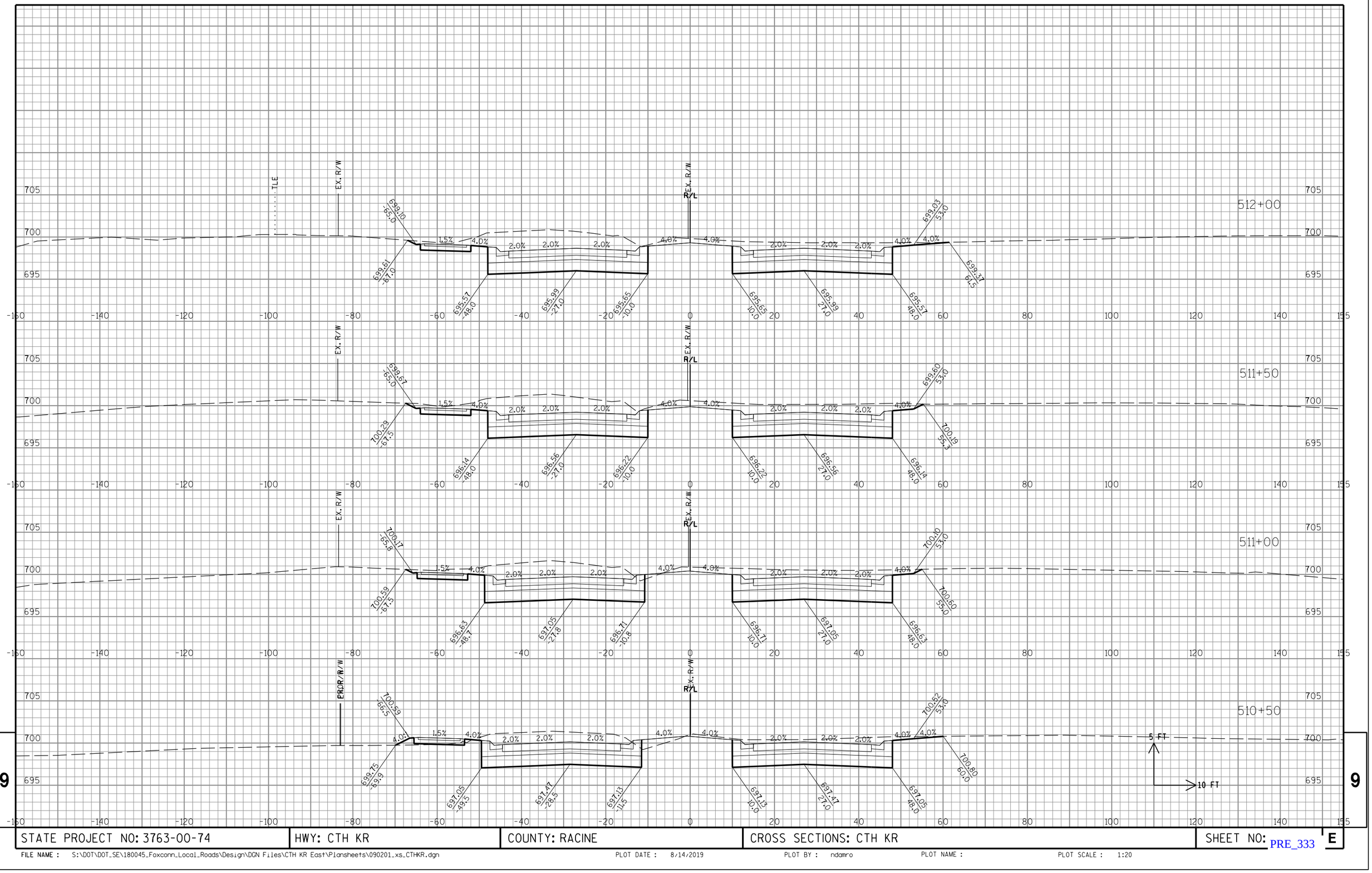


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9

STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: PRE_332 E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090201_xs_CTHKR.dgn PLOT DATE : 8/14/2019 PLOT BY : ndamro PLOT NAME : PLOT SCALE : 1:20

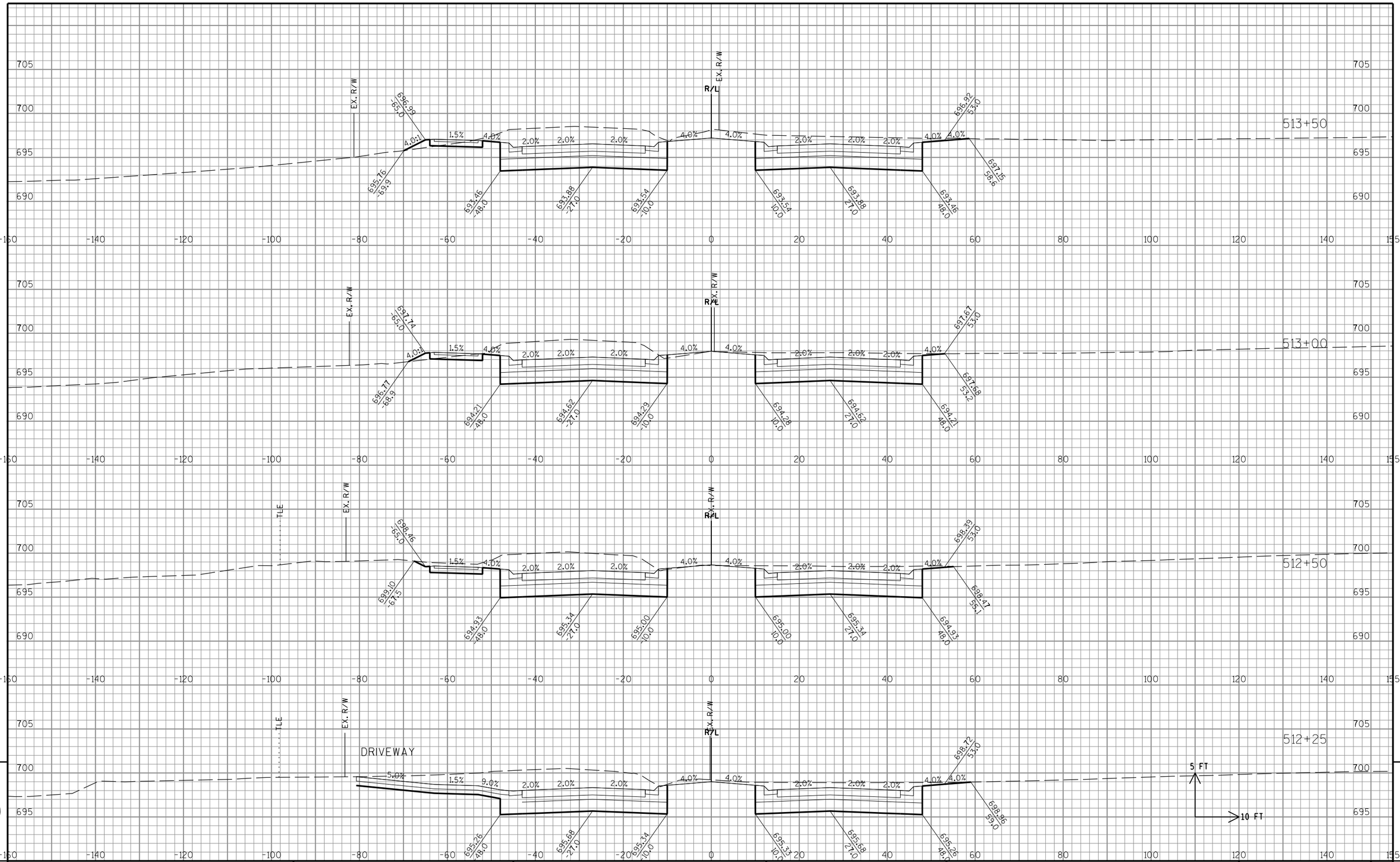


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STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: PRE_333 E

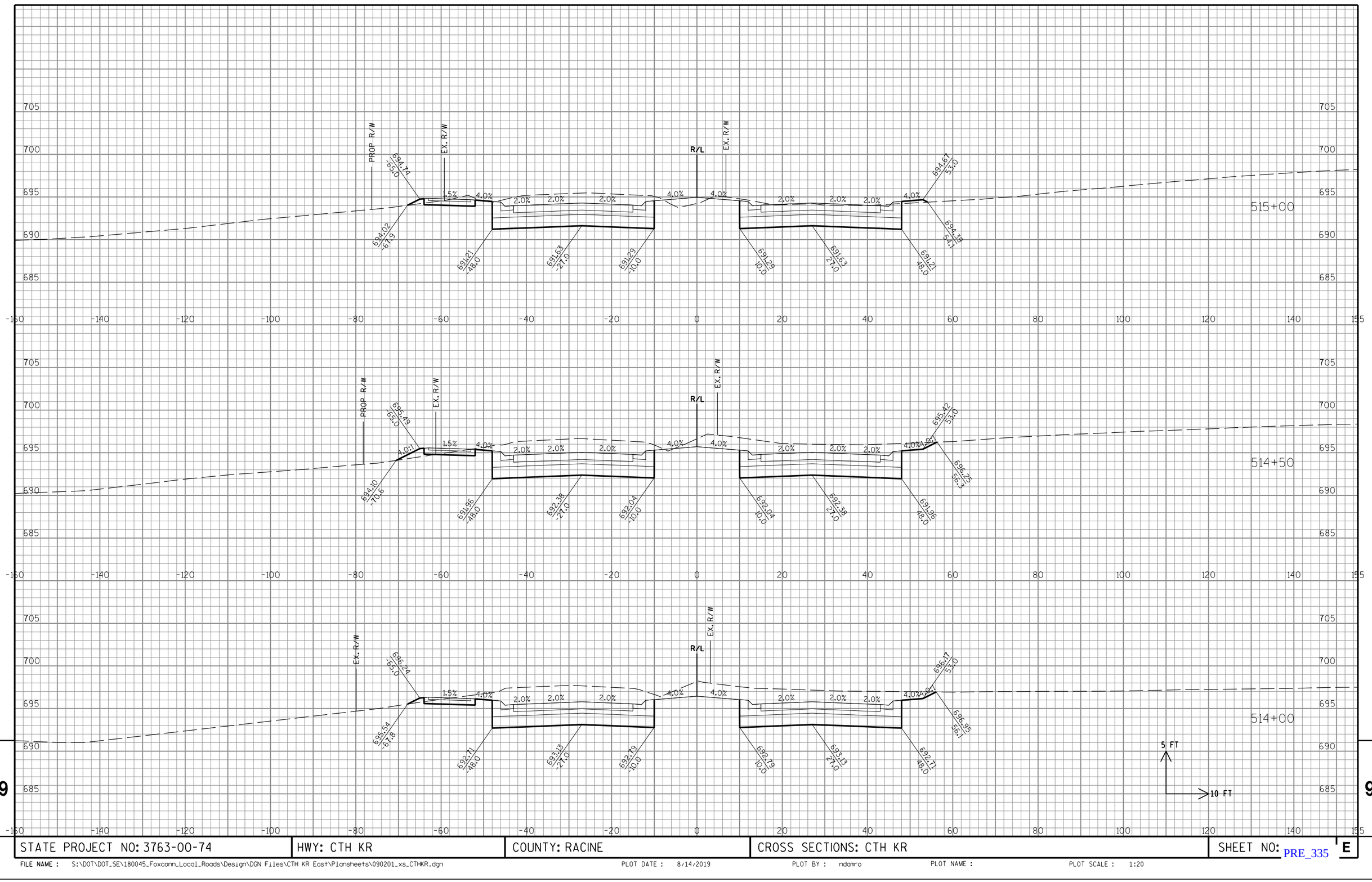
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STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: PRE_334 E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090201_xs_CTHKR.dgn PLOT DATE : 8/14/2019 PLOT BY : ndamro PLOT NAME : PLOT SCALE : 1:20



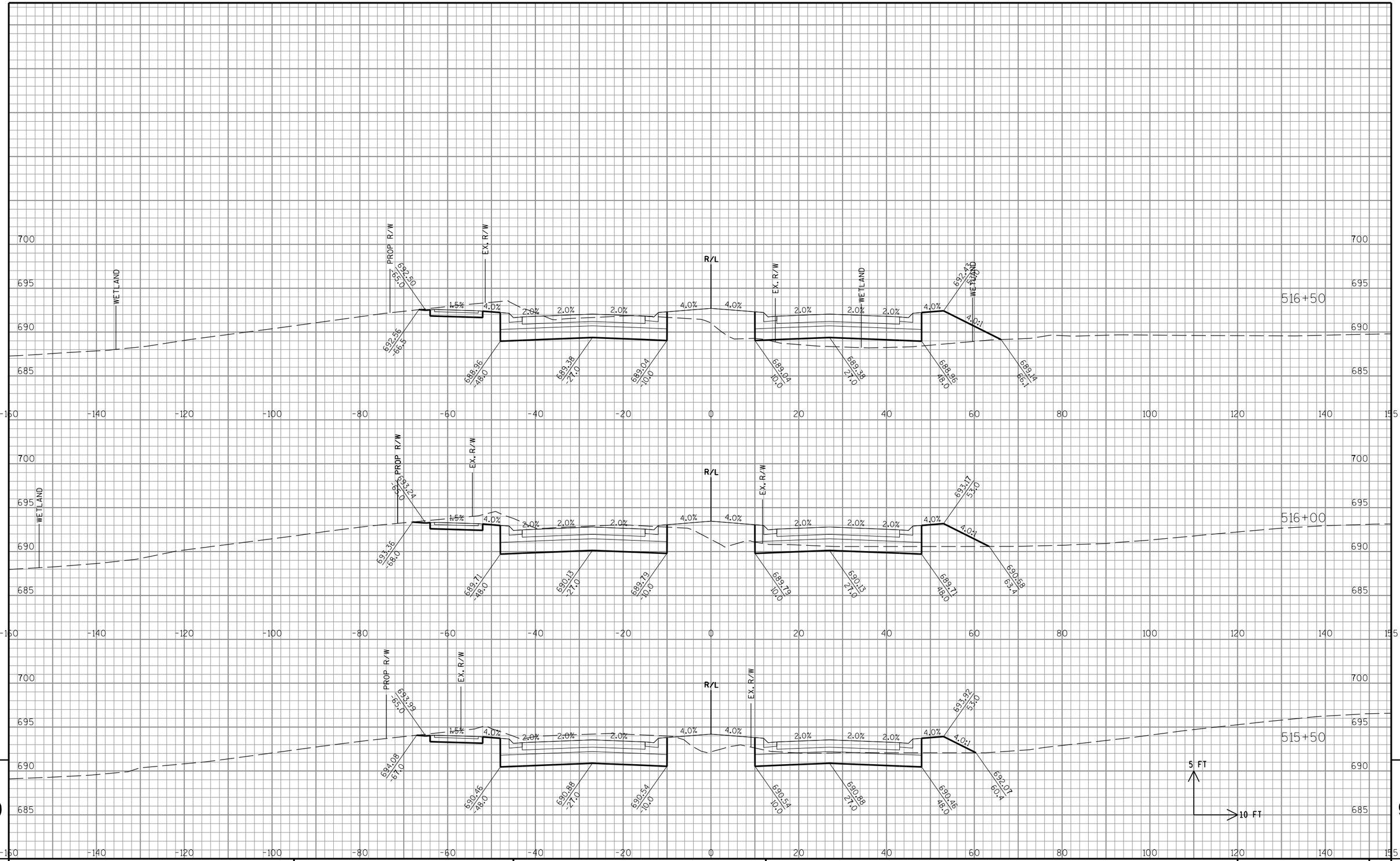
STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090201_xs_CTHKR.dgn PLOT DATE : 8/14/2019 PLOT BY : ndamro PLOT NAME : PLOT SCALE : 1:20

PRE_335

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STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: PRE_336 E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090201_xs_CTHKR.dgn PLOT DATE : 8/14/2019 PLOT BY : ndamro PLOT NAME : PLOT SCALE : 1:20

STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: PRE_337 E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090201_xs_CTHKR.dgn PLOT DATE : 8/14/2019 PLOT BY : ndamro PLOT NAME : PLOT SCALE : 1:20

STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: E

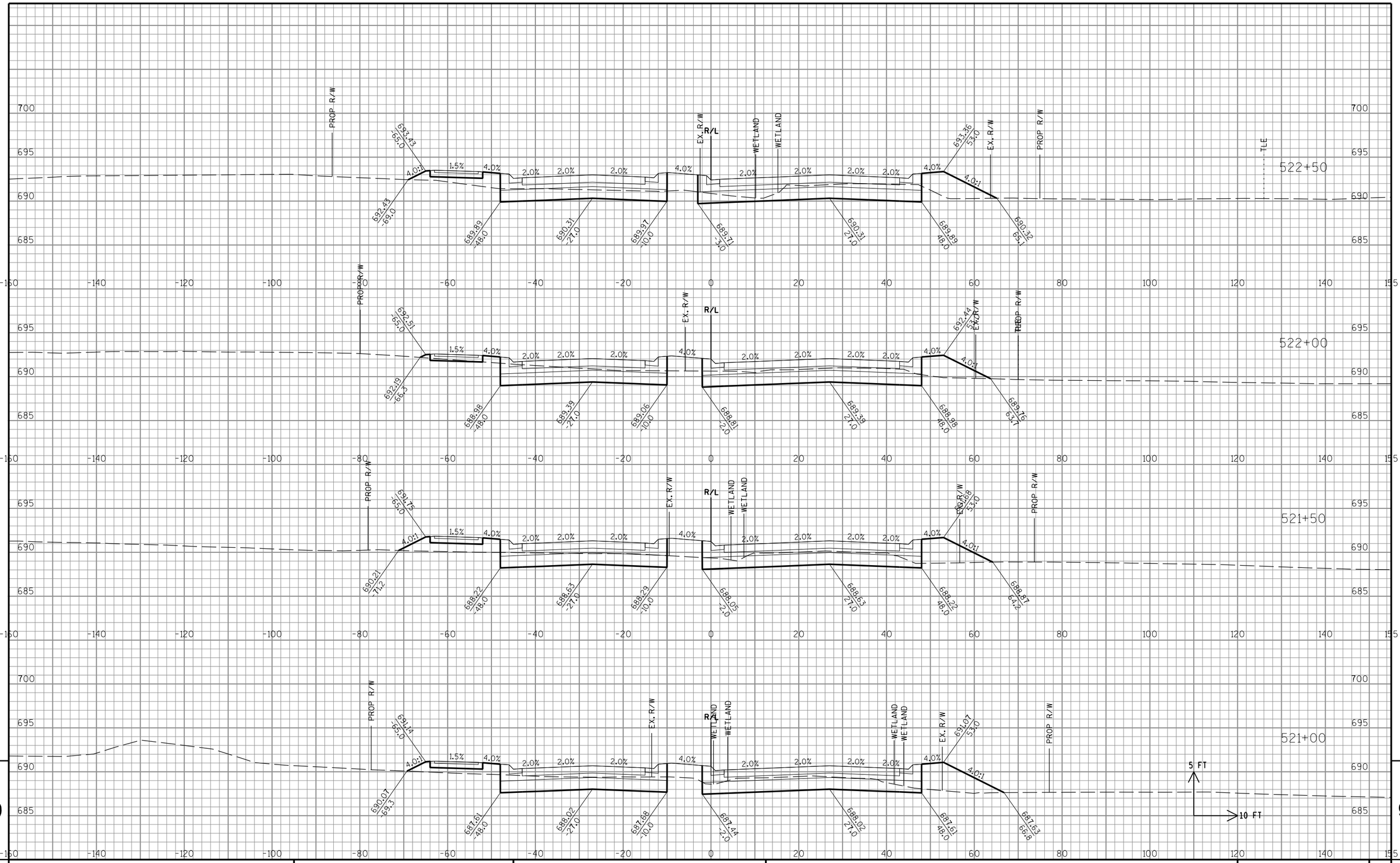
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PRE_338

STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090201_xs_CTHKR.dgn PLOT DATE : 8/14/2019 PLOT BY : ndamro PLOT NAME : PLOT SCALE : 1:20

PRE_339

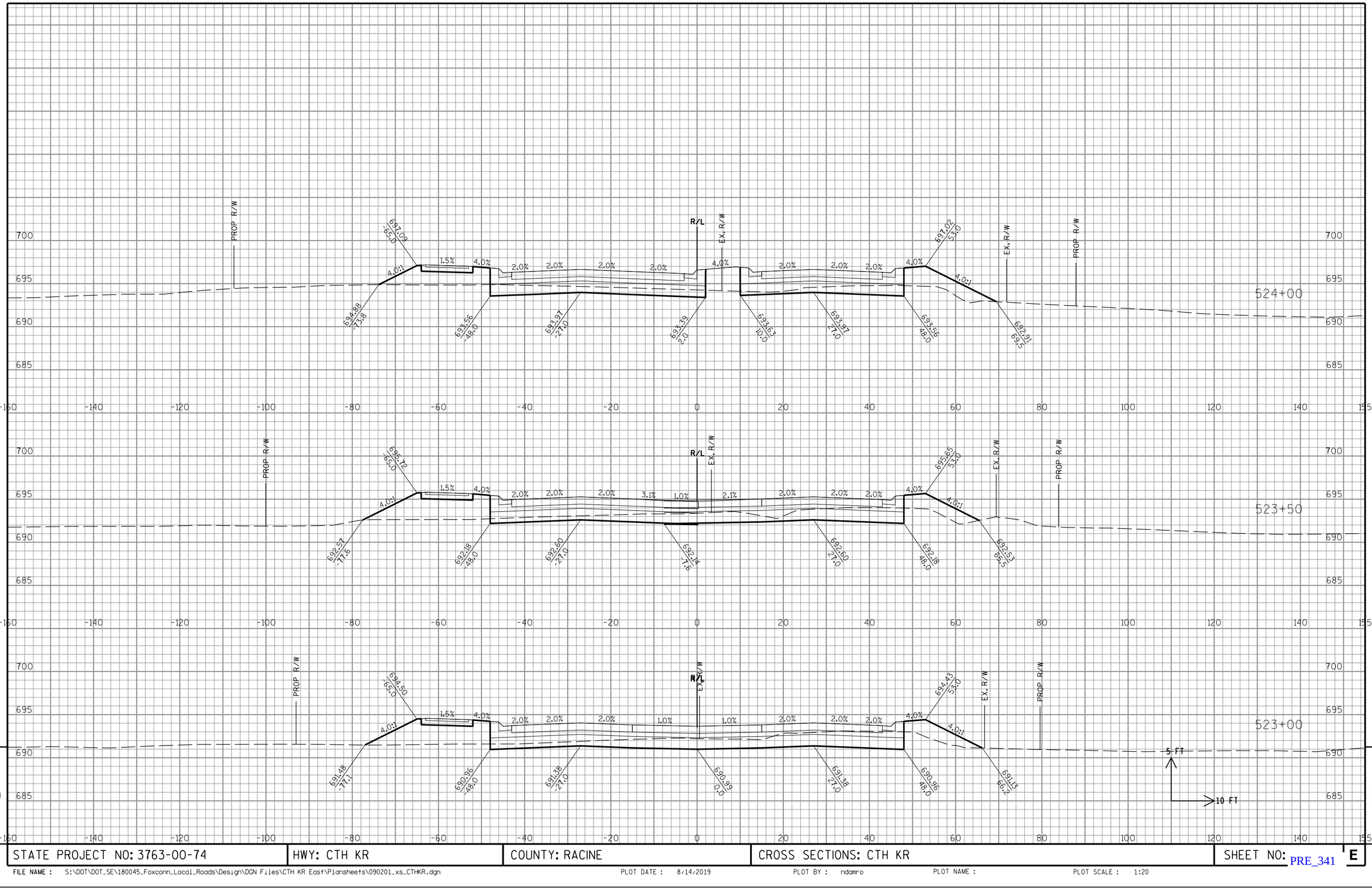


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STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: PRE_340 E

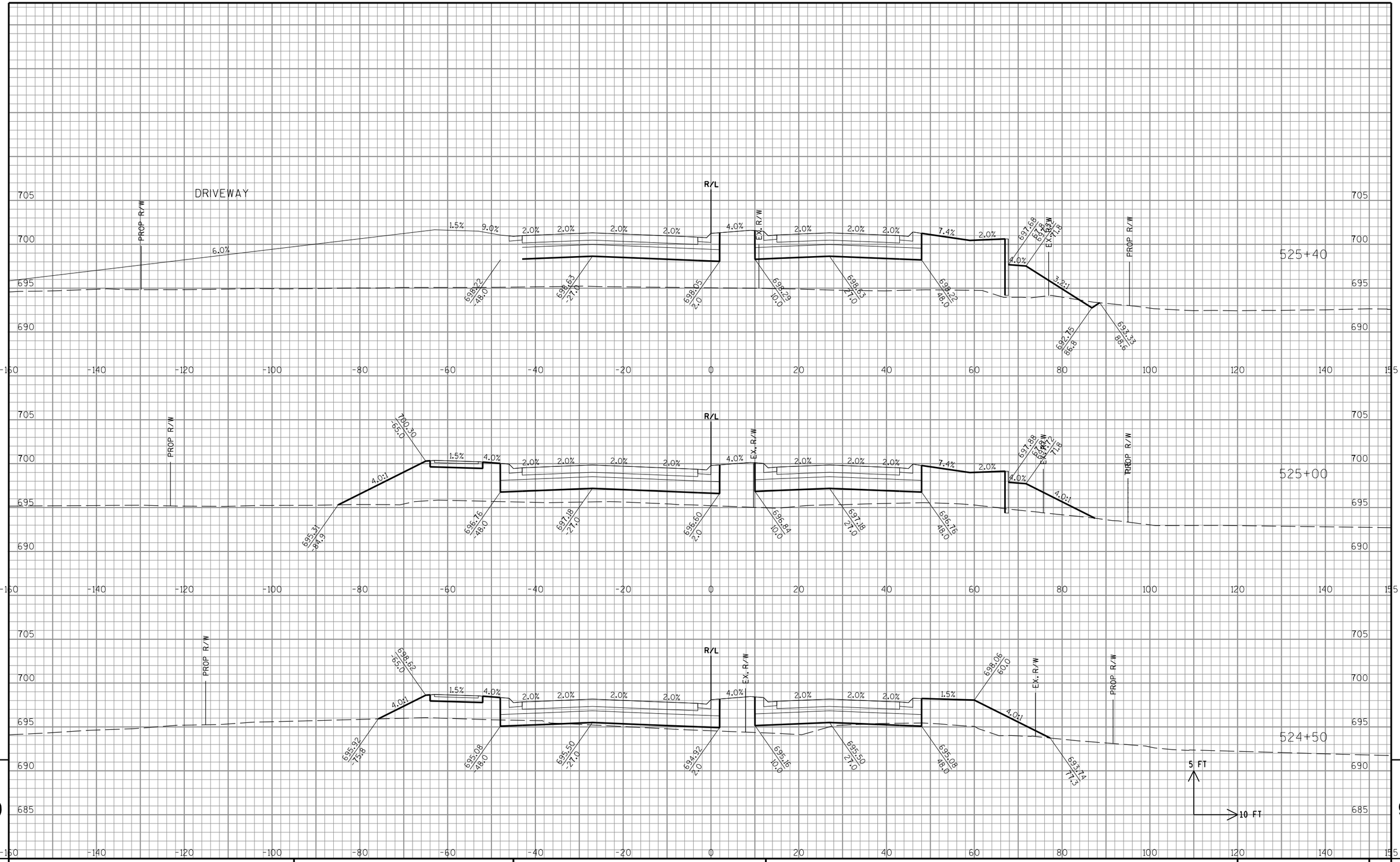
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STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090201_xs_CTHKR.dgn PLOT DATE : 8/14/2019 PLOT BY : ndamro PLOT NAME : PLOT SCALE : 1:20

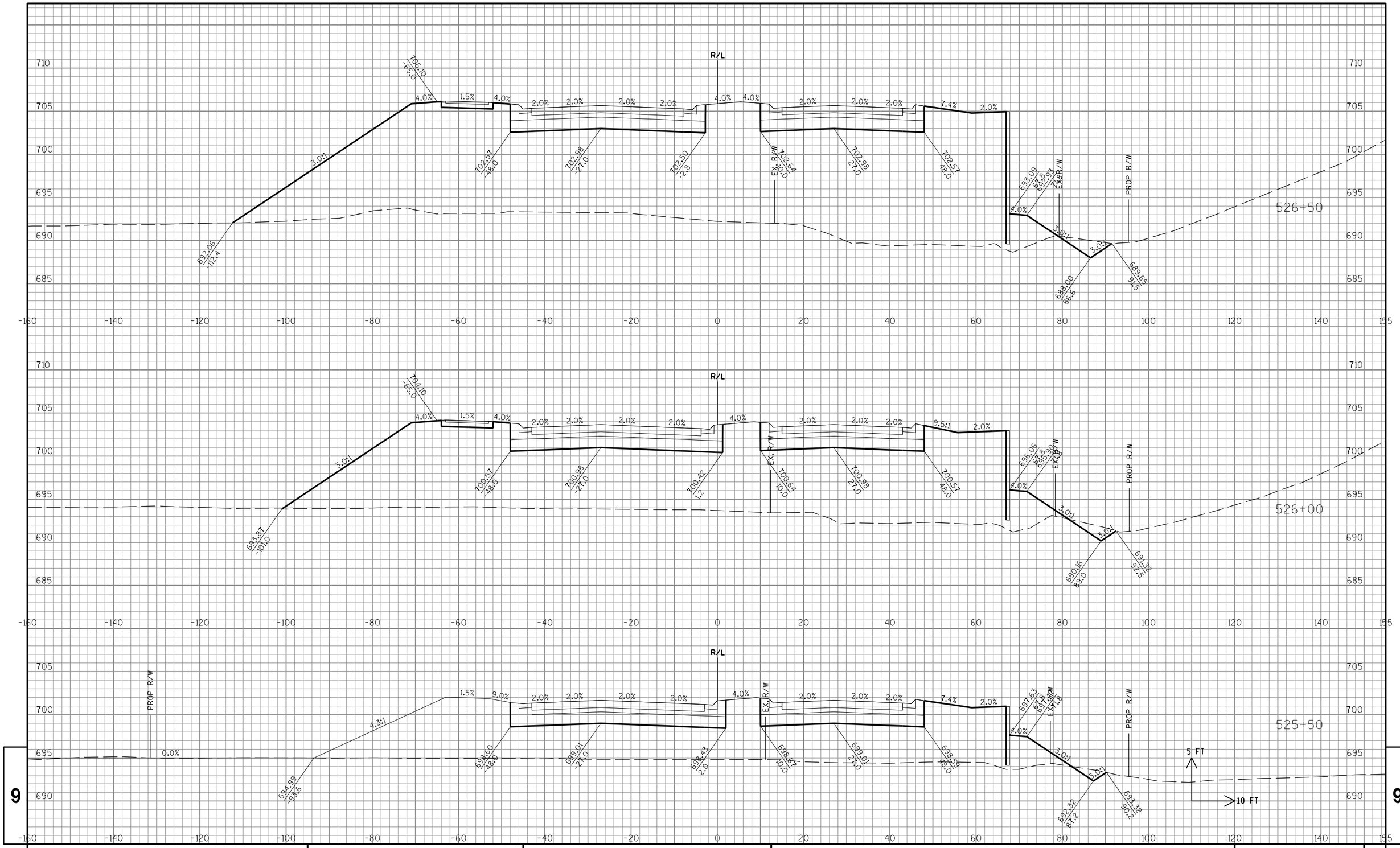
PRE_341



STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090201_xs_CTHKR.dgn PLOT DATE : 8/14/2019 PLOT BY : ndamro PLOT NAME : PLOT SCALE : 1:20

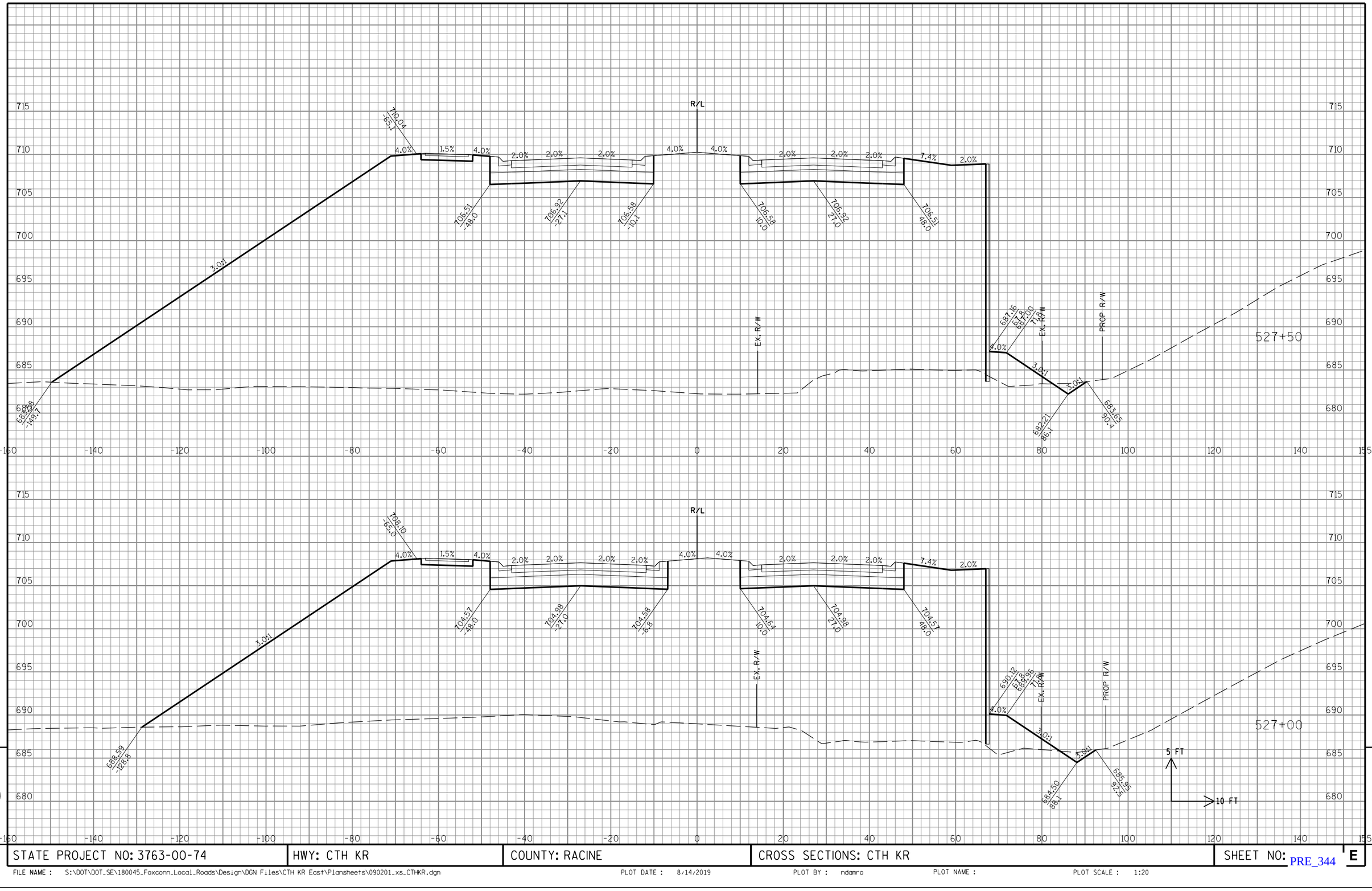
PRE_342



STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090201_xs_CTHKR.dgn PLOT DATE : 8/14/2019 PLOT BY : ndamro PLOT NAME : PLOT SCALE : 1:20

PRE_343

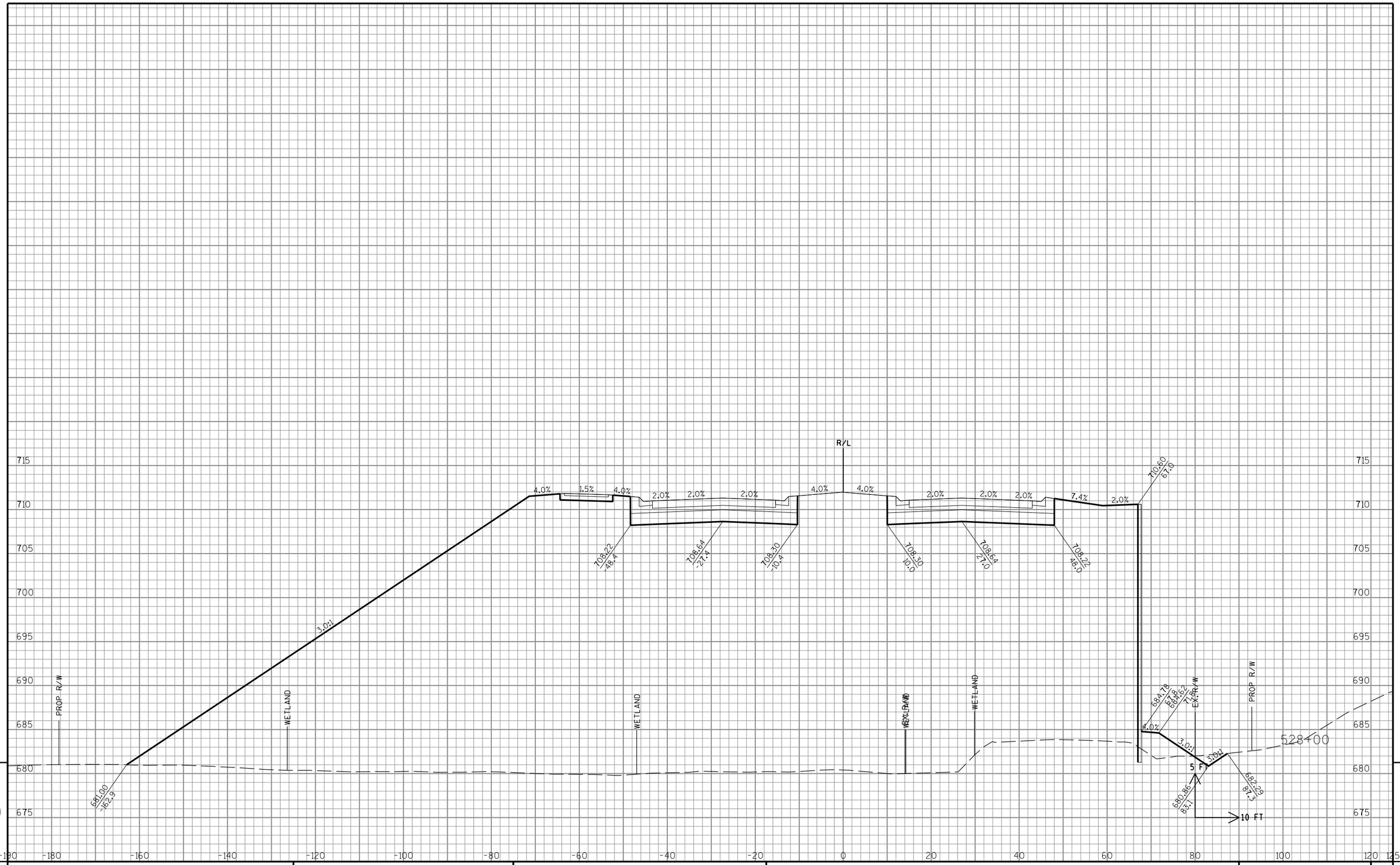


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STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: PRE_344 E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090201_xs_CTHKR.dgn PLOT DATE : 8/14/2019 PLOT BY : ndamro PLOT NAME : PLOT SCALE : 1:20

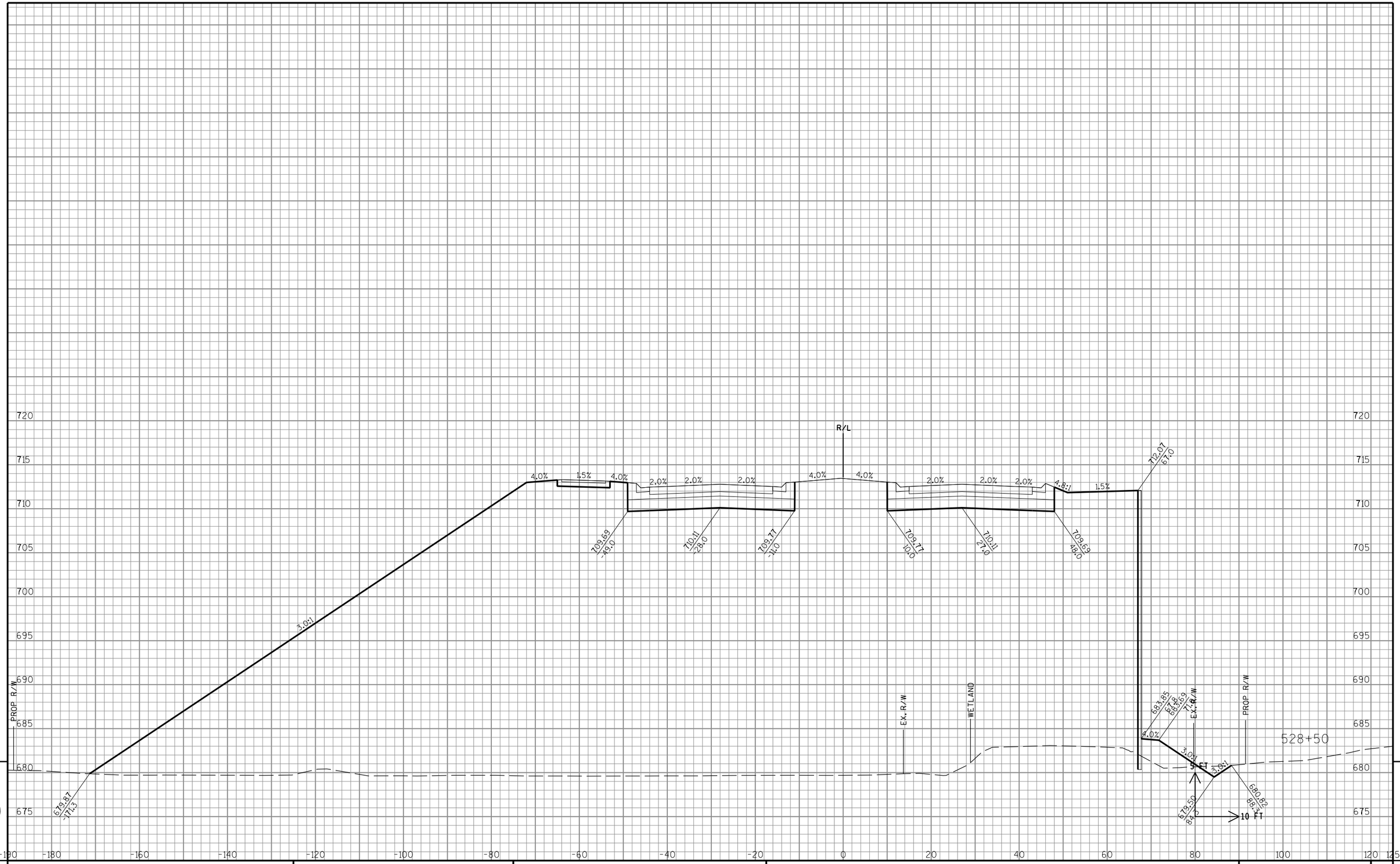


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STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: PRE_345 E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090201_xs_CTHKR.dgn PLOT DATE : 8/14/2019 PLOT BY : ndamro PLOT NAME : PLOT SCALE : 1:20



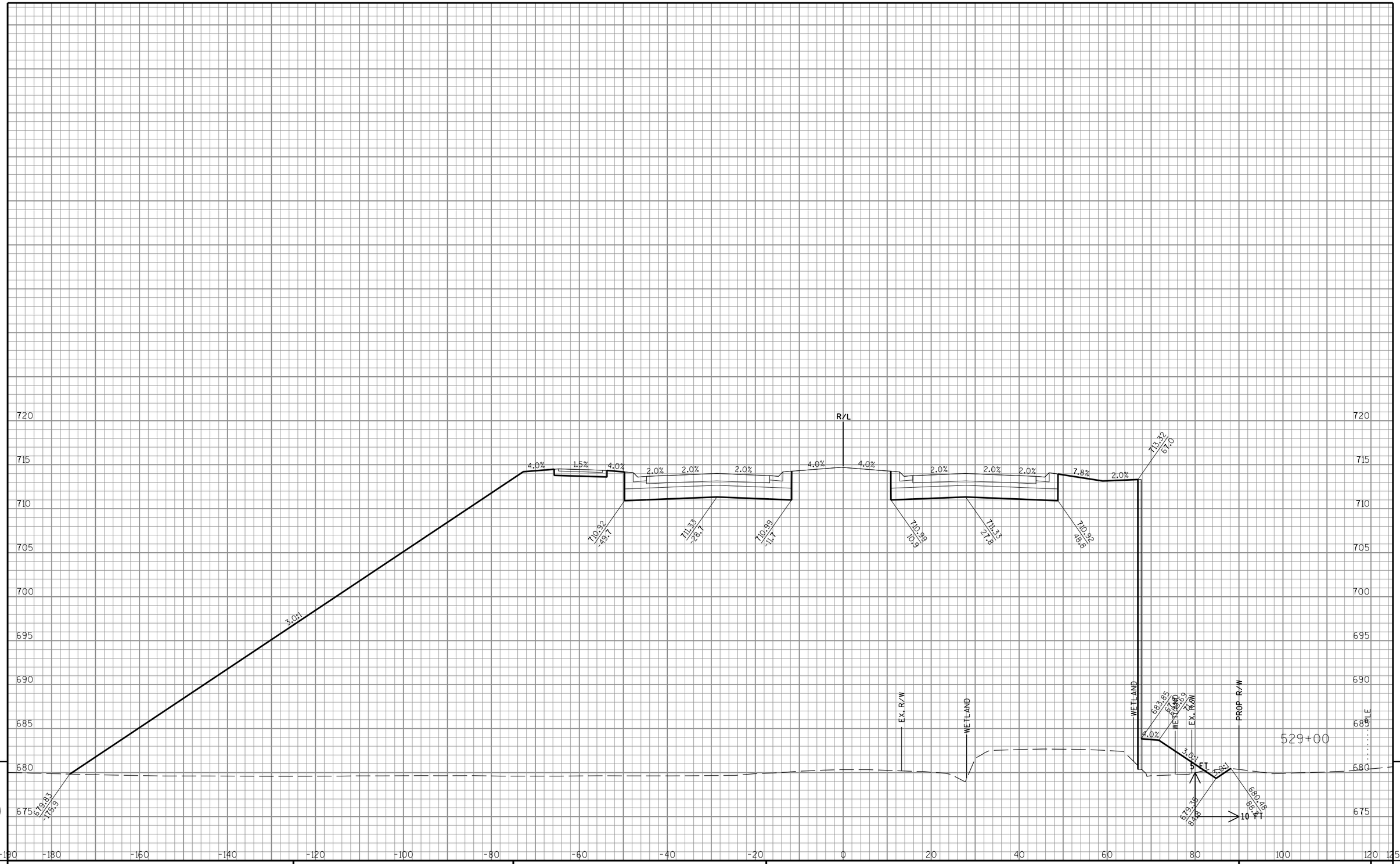
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STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090201_xs_CTHKR.dgn PLOT DATE : 8/14/2019 PLOT BY : ndamro PLOT NAME : PLOT SCALE : 1:20

PRE_346



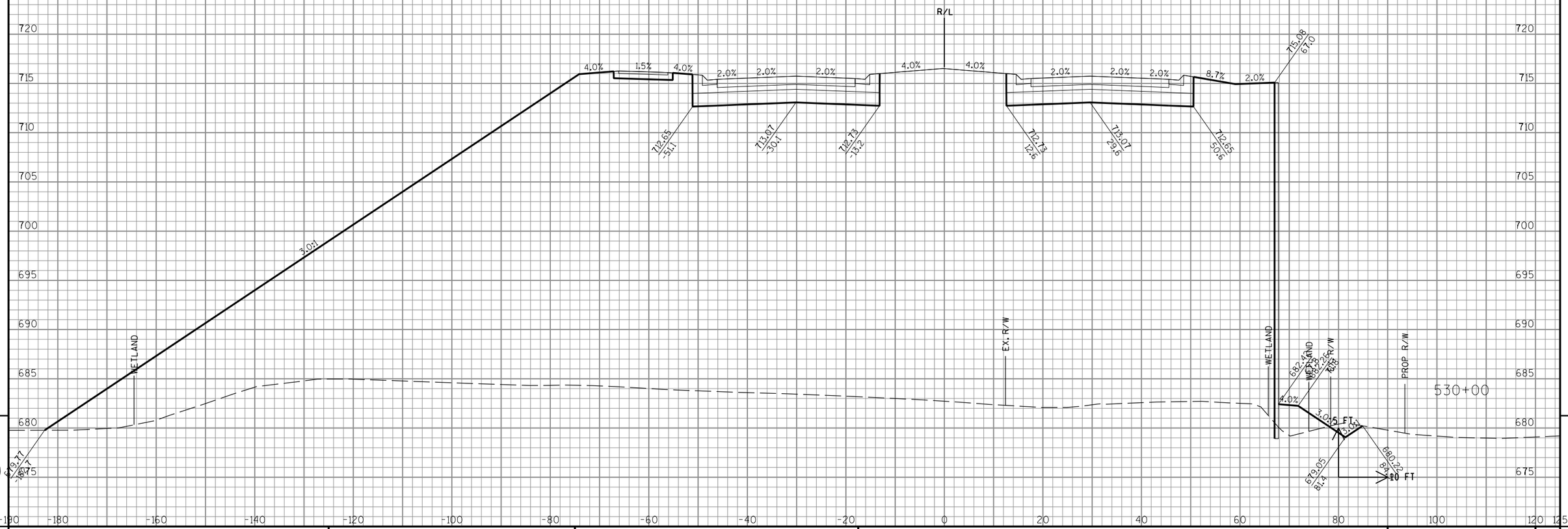
STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: PRE_347 E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090201_xs_CTHKR.dgn PLOT DATE : 8/14/2019 PLOT BY : ndamro PLOT NAME : PLOT SCALE : 1:20



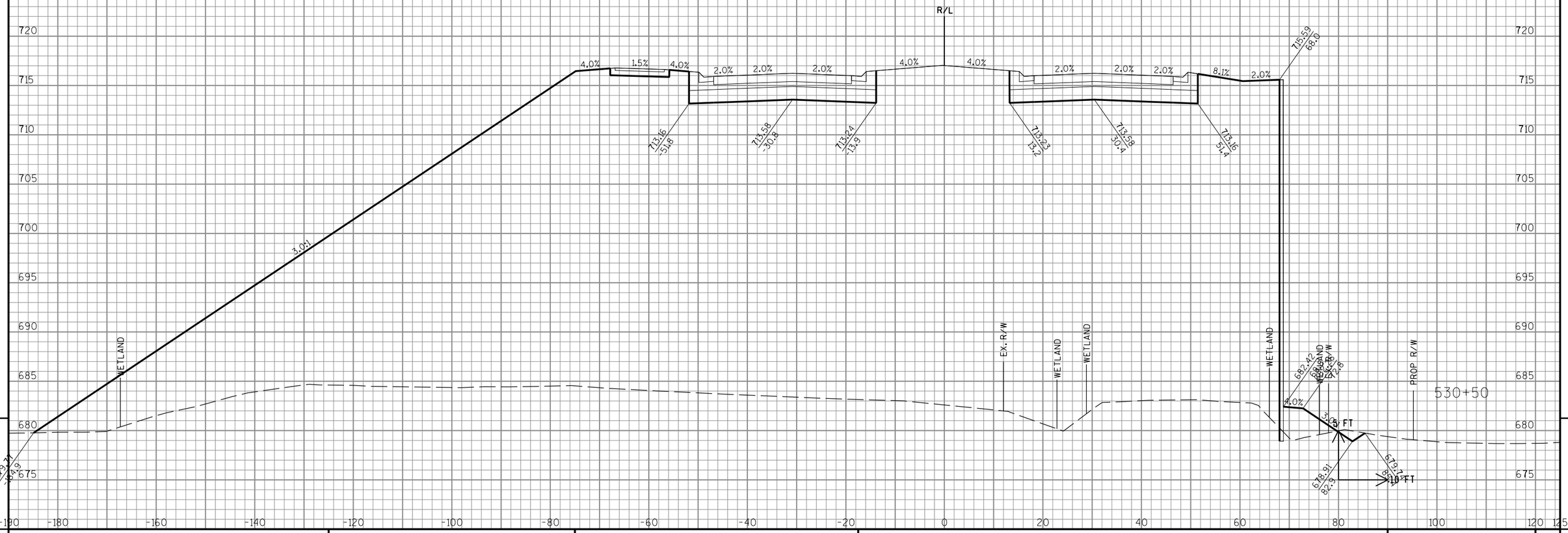
STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: PRE_348 E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090201_xs_CTHKR.dgn PLOT DATE : 8/14/2019 PLOT BY : ndamro PLOT NAME : PLOT SCALE : 1:20



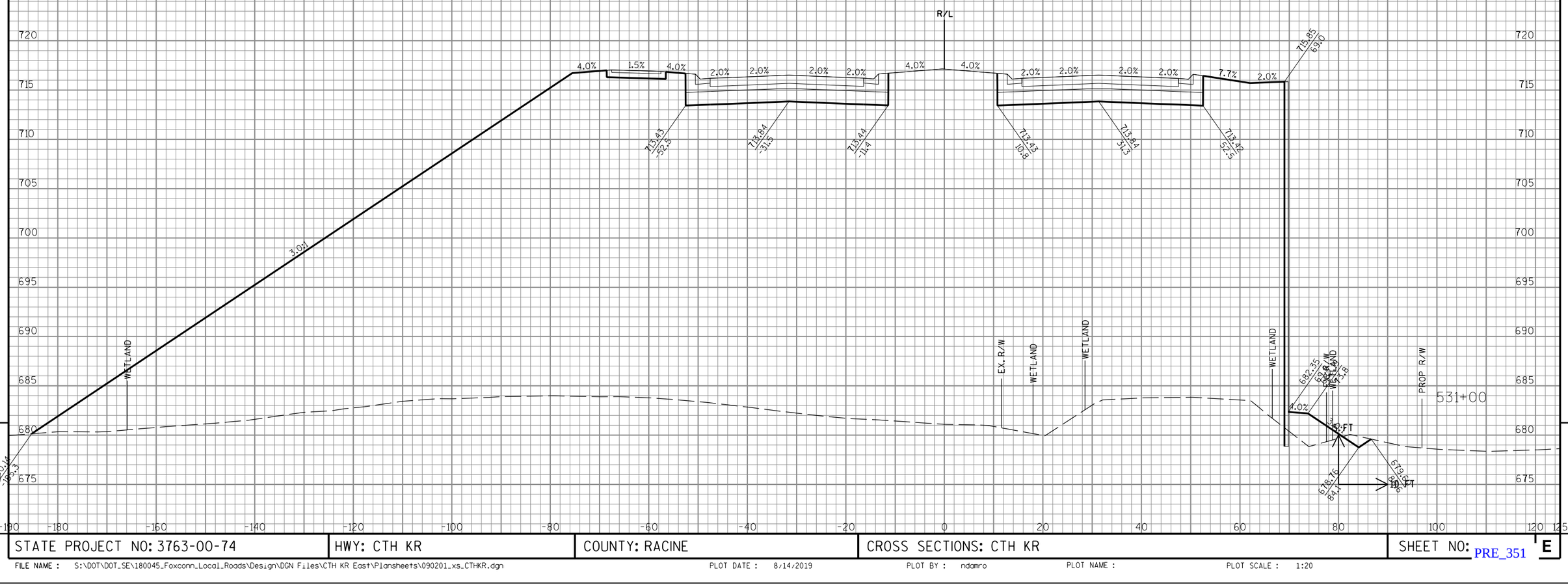
STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: PRE_349 E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090201_xs_CTHKR.dgn PLOT DATE : 8/14/2019 PLOT BY : ndamro PLOT NAME : PLOT SCALE : 1:20



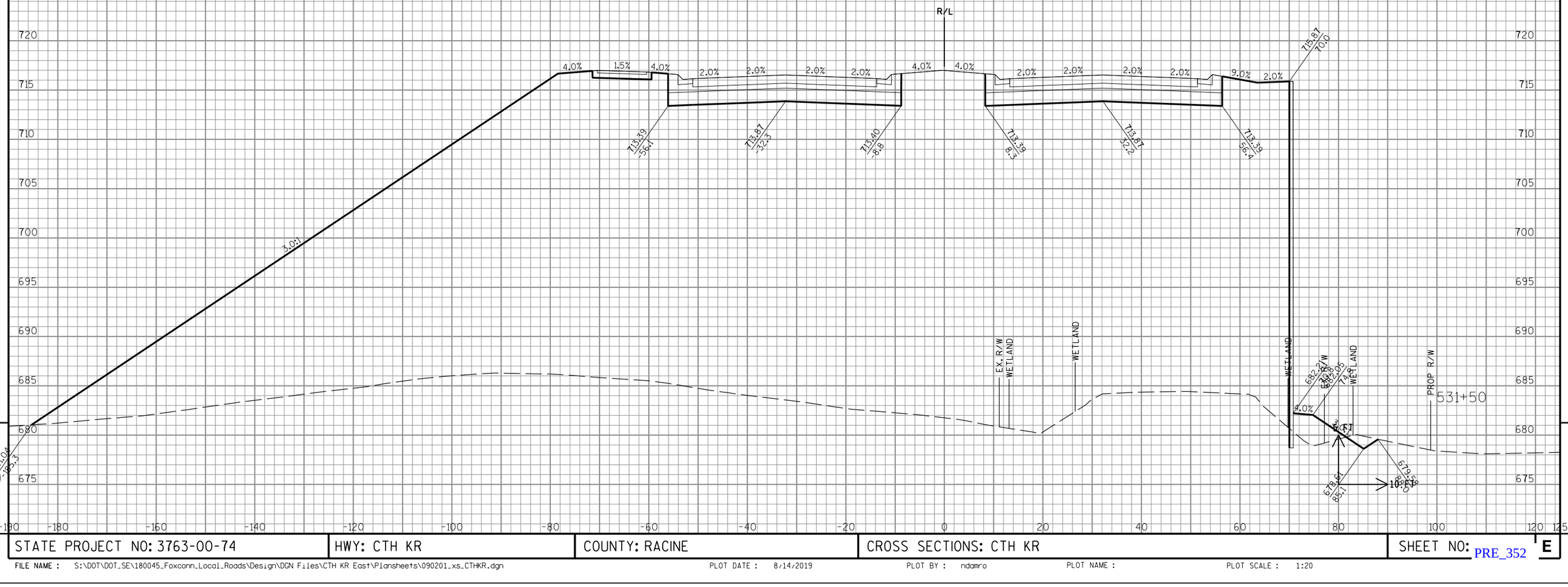
STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: PRE_350 E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090201_xs_CTHKR.dgn PLOT DATE : 8/14/2019 PLOT BY : ndamro PLOT NAME : PLOT SCALE : 1:20



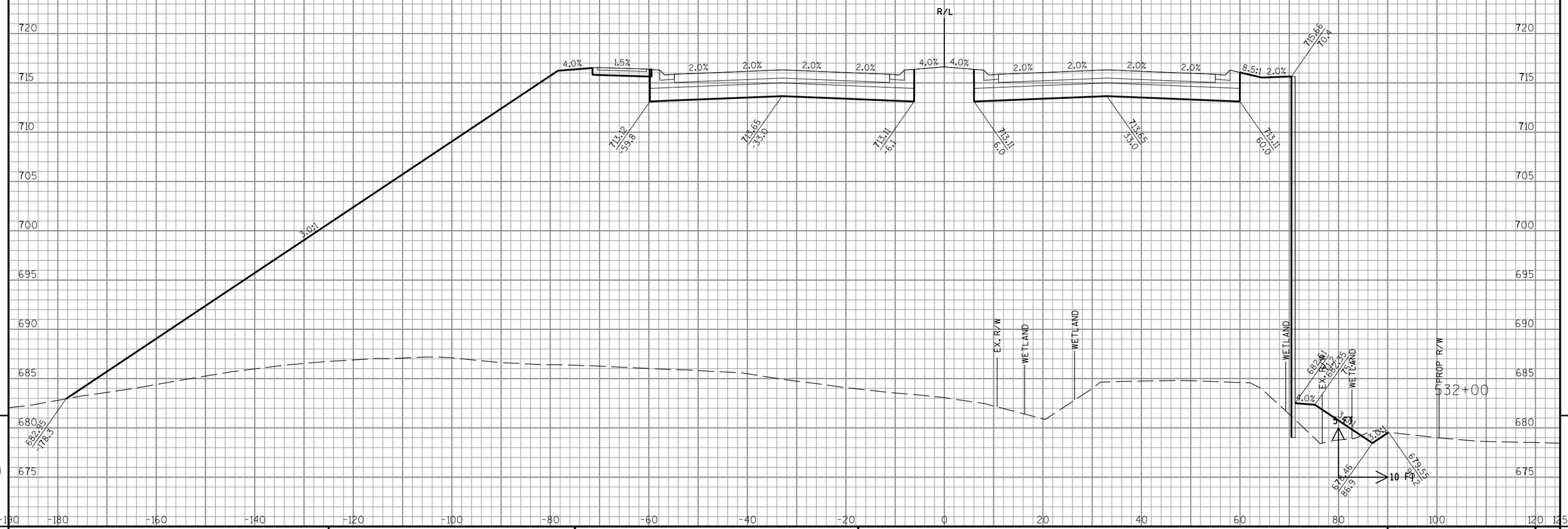
STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: PRE_351 E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090201_xs_CTHKR.dgn PLOT DATE : 8/14/2019 PLOT BY : ndamro PLOT NAME : PLOT SCALE : 1:20



STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: PRE_352 E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090201_xs_CTHKR.dgn PLOT DATE : 8/14/2019 PLOT BY : ndamro PLOT NAME : PLOT SCALE : 1:20

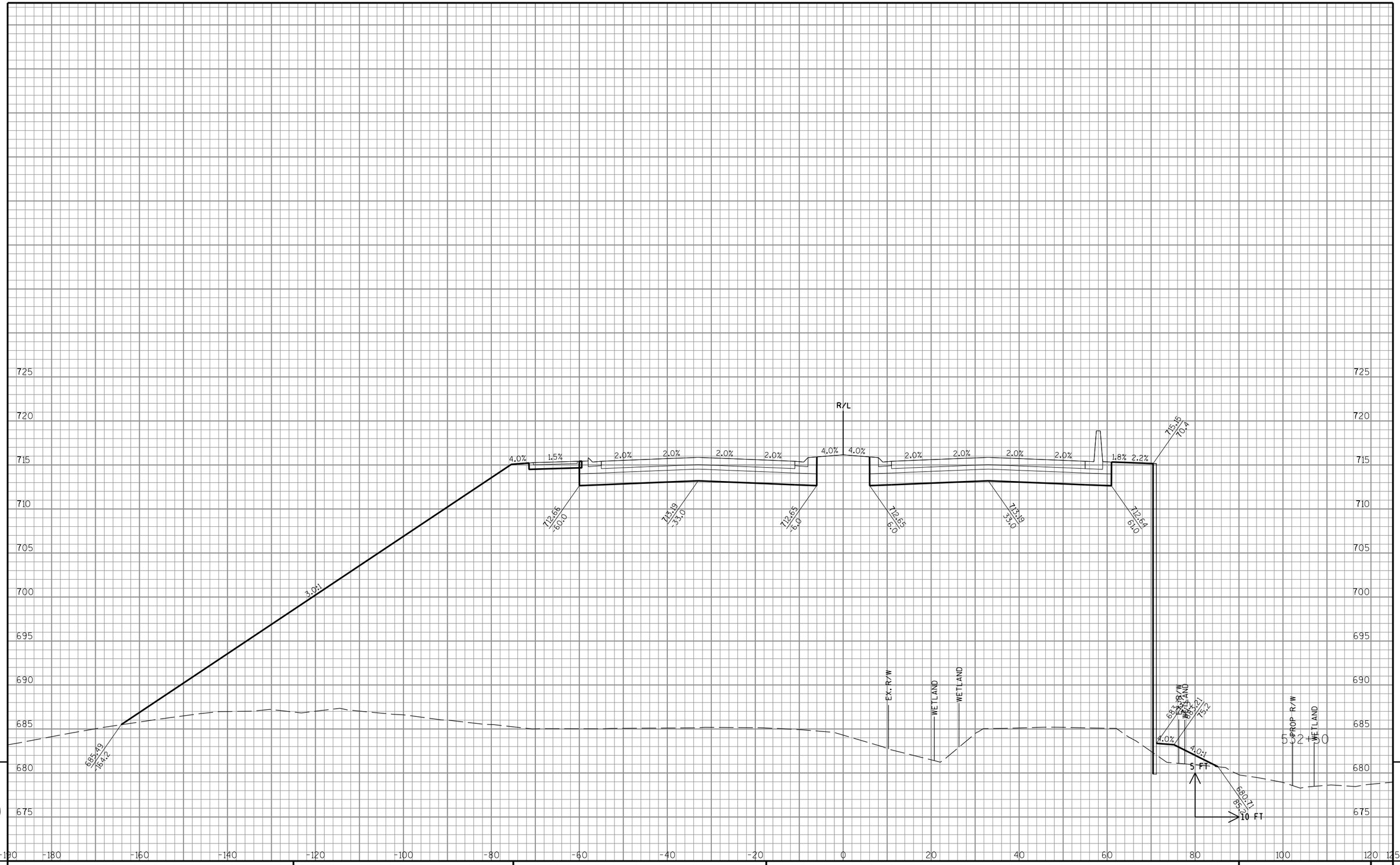


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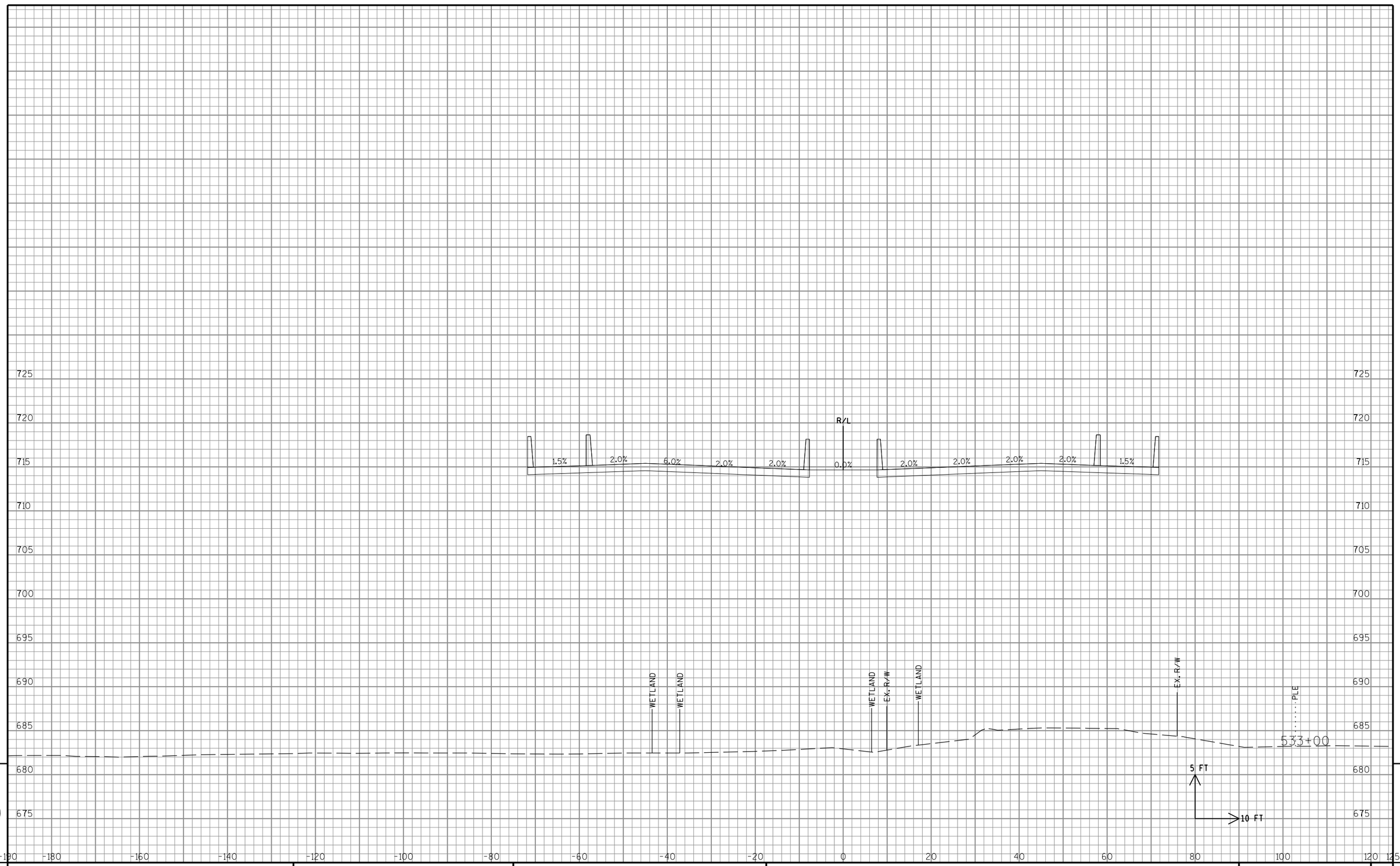
STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: PRE_353 E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090201_xs_CTHKR.dgn PLOT DATE : 8/14/2019 PLOT BY : ndamro PLOT NAME : PLOT SCALE : 1:20



STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: PRE_354 E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090201_xs_CTHKR.dgn PLOT DATE : 8/14/2019 PLOT BY : ndamro PLOT NAME : PLOT SCALE : 1:20

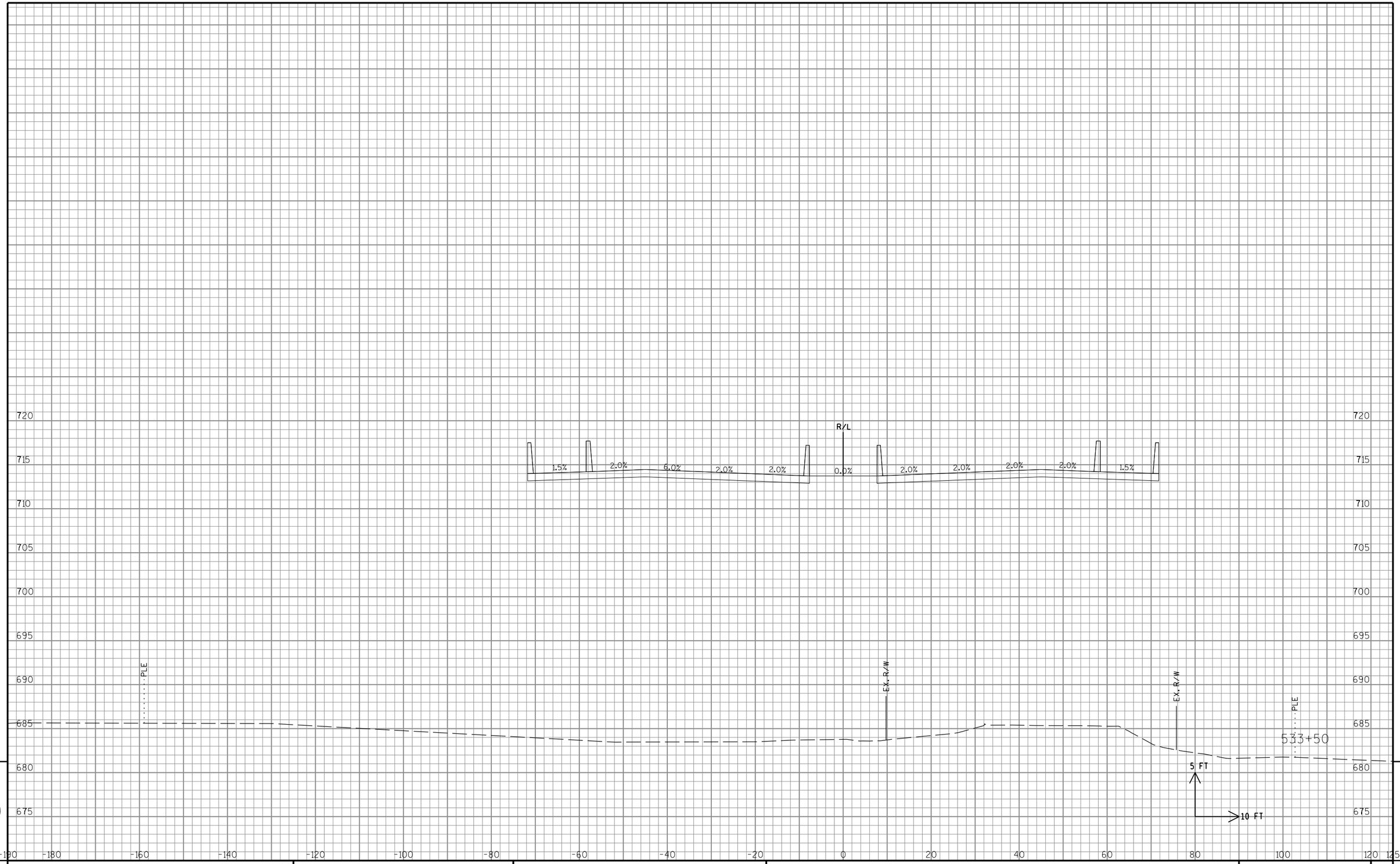


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STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090201_xs_CTHKR.dgn PLOT DATE : 8/14/2019 PLOT BY : ndamro PLOT NAME : PLOT SCALE : 1:20

PRE_355



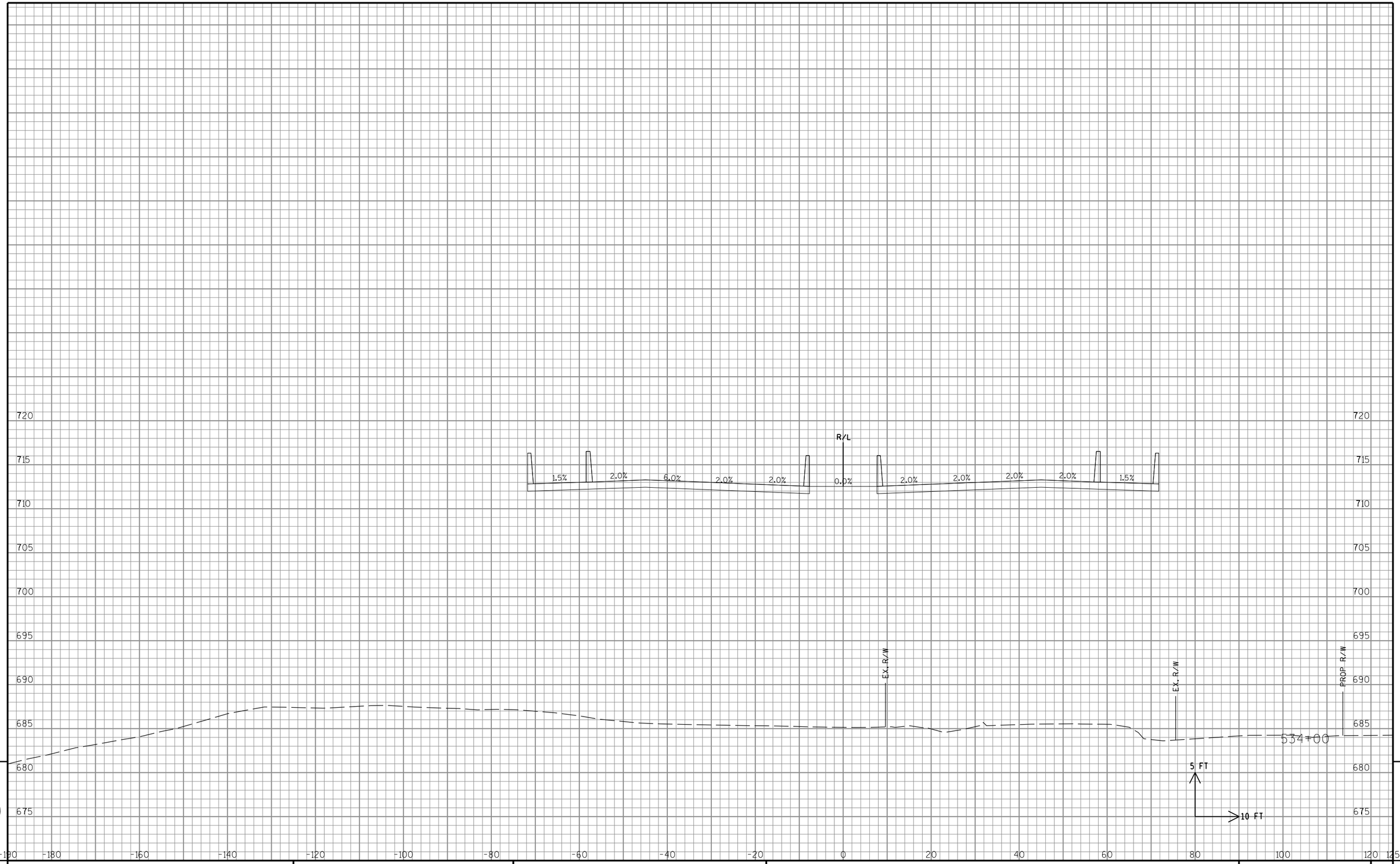
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STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090201_xs_CTHKR.dgn PLOT DATE : 8/14/2019 PLOT BY : ndamro PLOT NAME : PLOT SCALE : 1:20

PRE_356



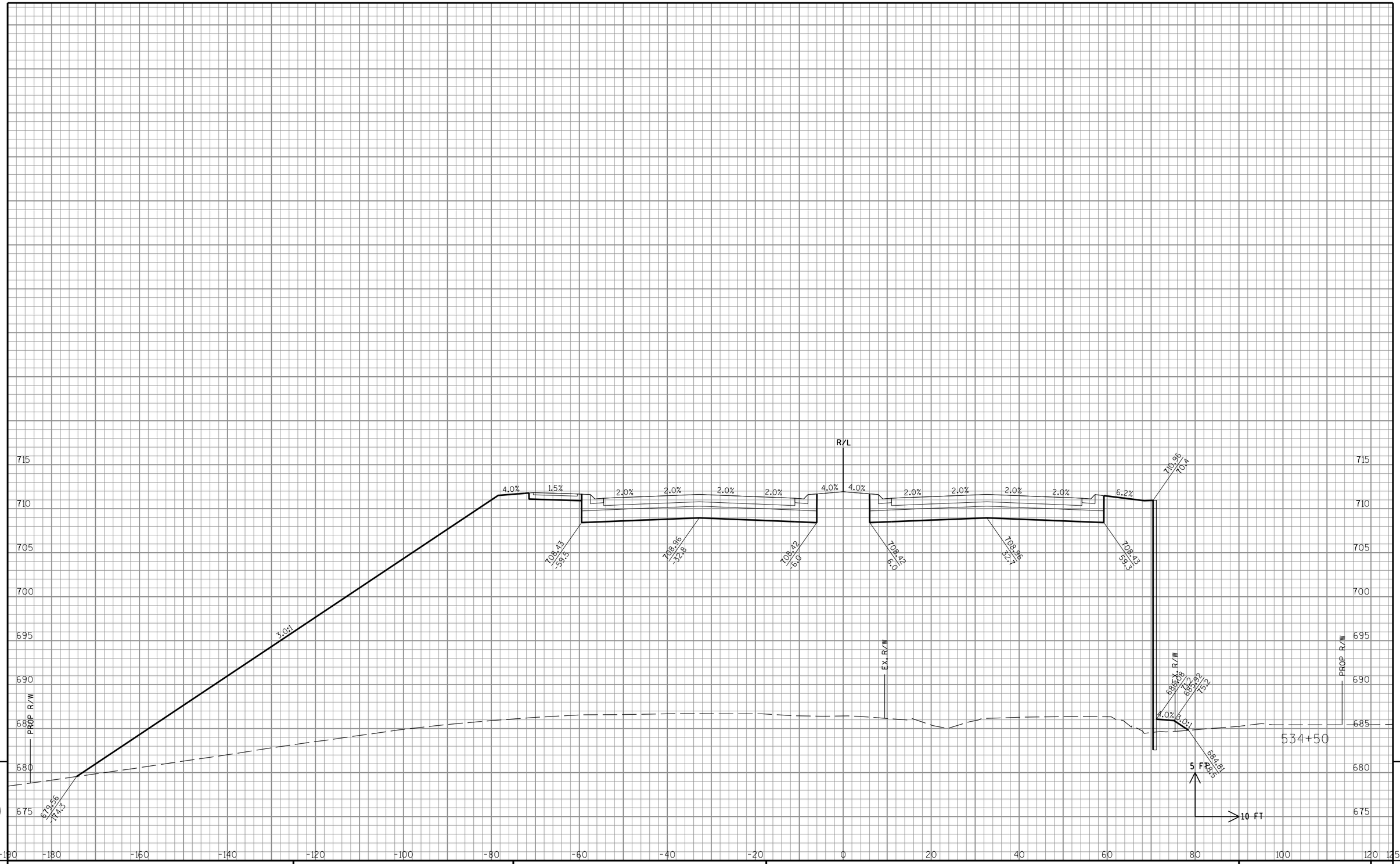
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STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090201_xs_CTHKR.dgn PLOT DATE : 8/14/2019 PLOT BY : ndamro PLOT NAME : PLOT SCALE : 1:20

PRE_357

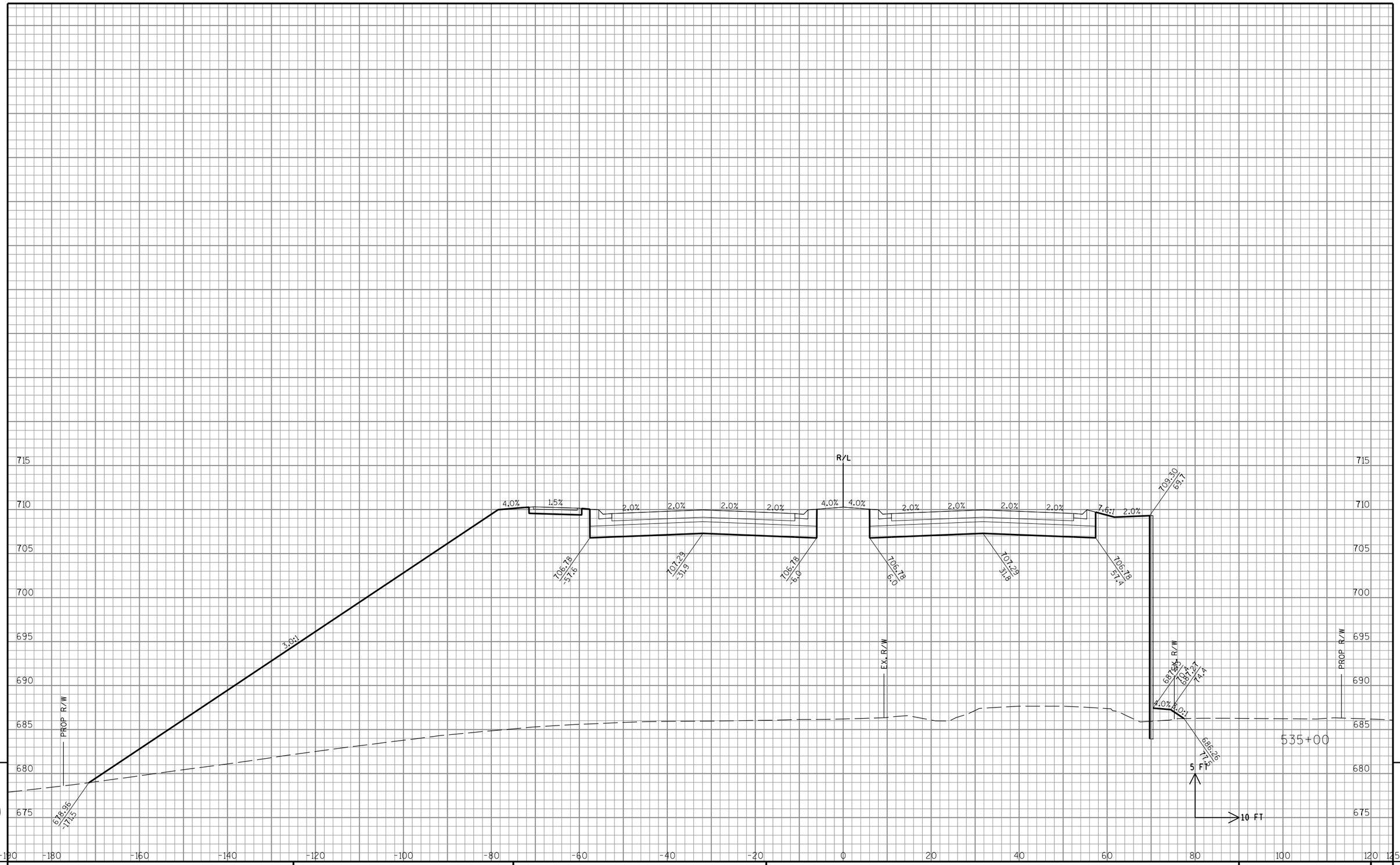


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STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: PRE_358 E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090201_xs_CTHKR.dgn PLOT DATE : 8/14/2019 PLOT BY : ndamro PLOT NAME : PLOT SCALE : 1:20

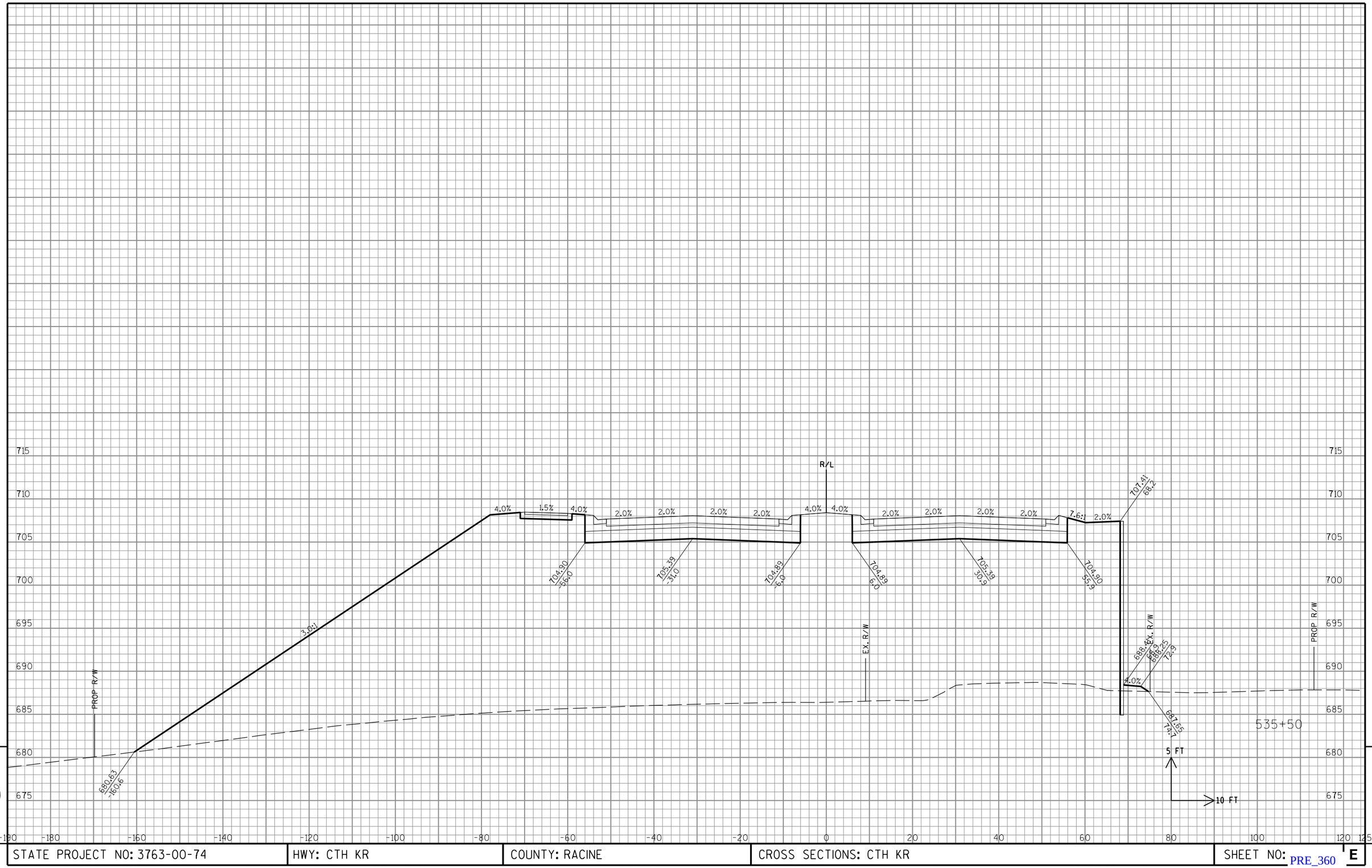


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STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: PRE_359 E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090201_xs_CTHKR.dgn PLOT DATE : 8/14/2019 PLOT BY : ndamro PLOT NAME : PLOT SCALE : 1:20

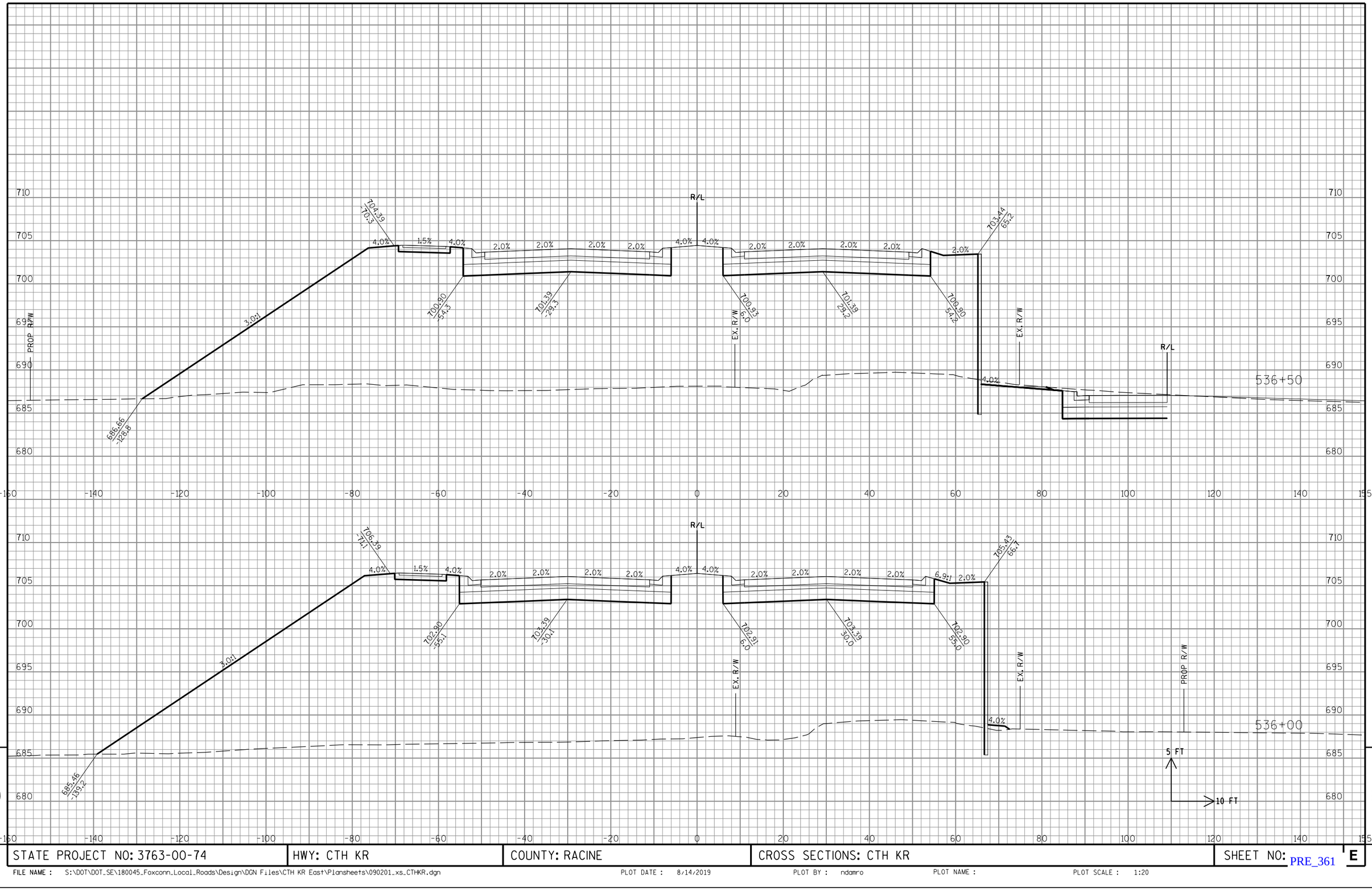


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STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: PRE_360 E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090201_xs_CTHKR.dgn PLOT DATE : 8/14/2019 PLOT BY : ndamro PLOT NAME : PLOT SCALE : 1:20



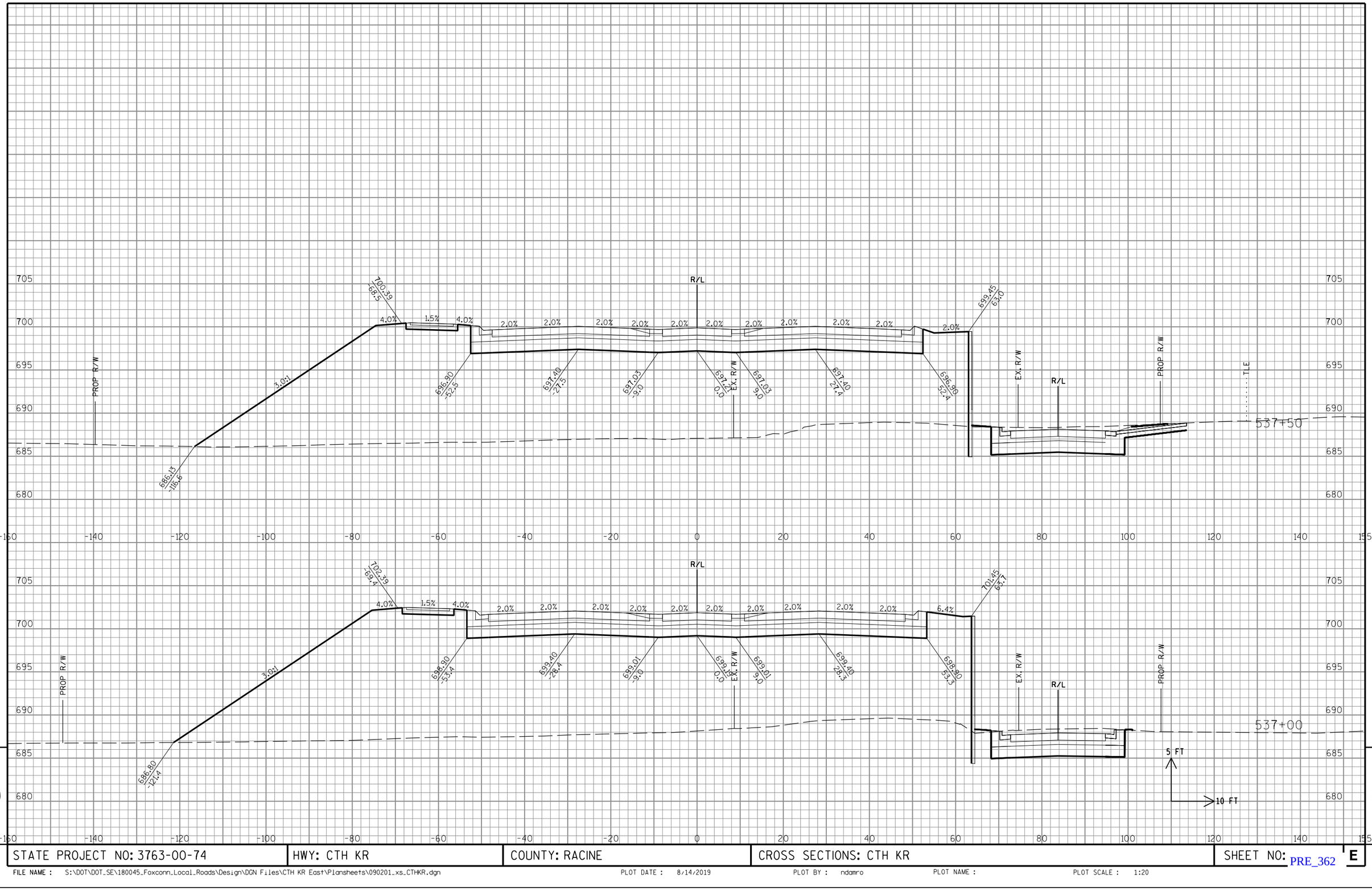
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STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: E

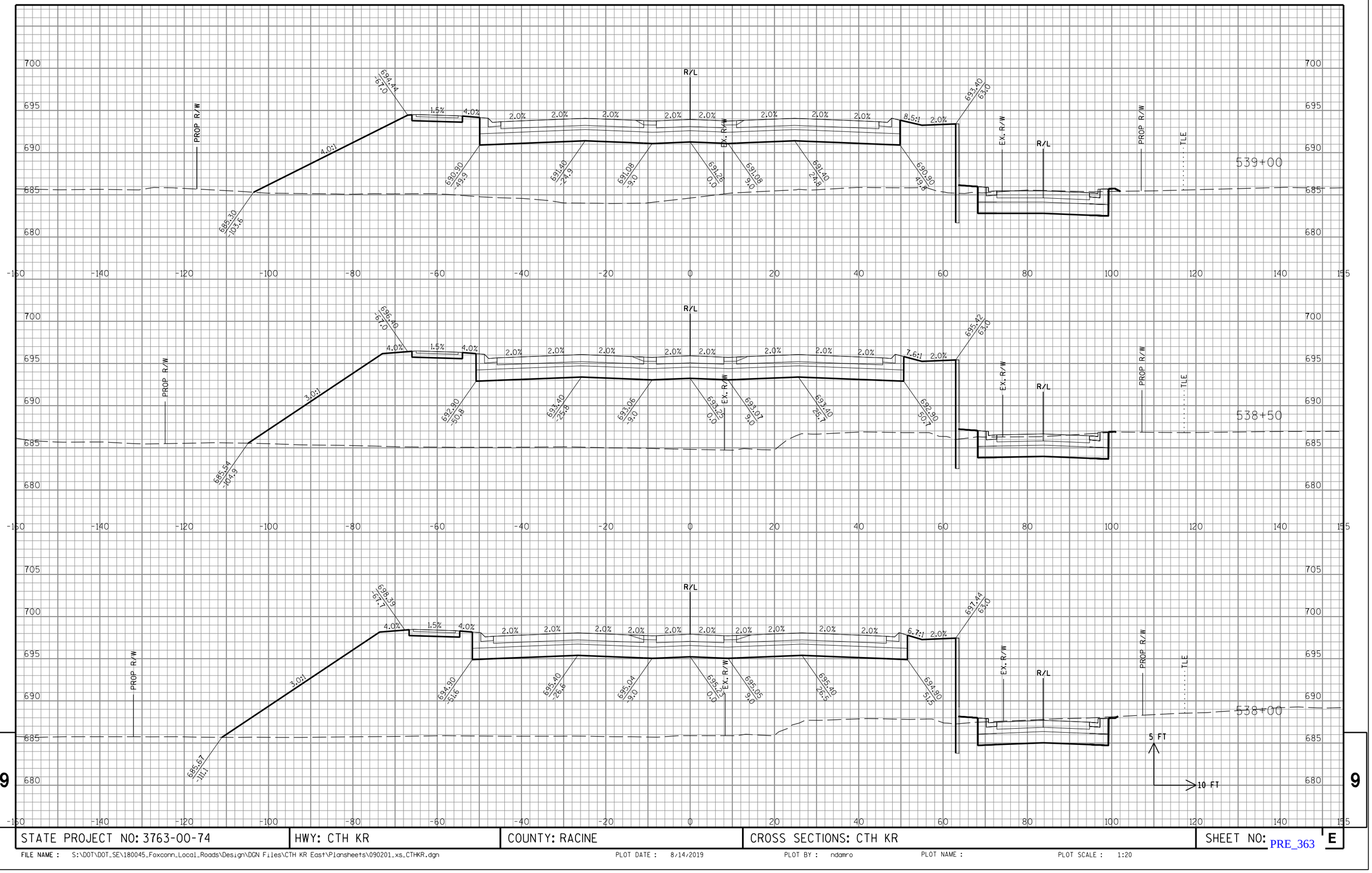
FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090201_xs_CTHKR.dgn PLOT DATE : 8/14/2019 PLOT BY : ndamro PLOT NAME : PLOT SCALE : 1:20

PRE_361



STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: PRE_362 E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090201_xs_CTHKR.dgn PLOT DATE : 8/14/2019 PLOT BY : ndamro PLOT NAME : PLOT SCALE : 1:20

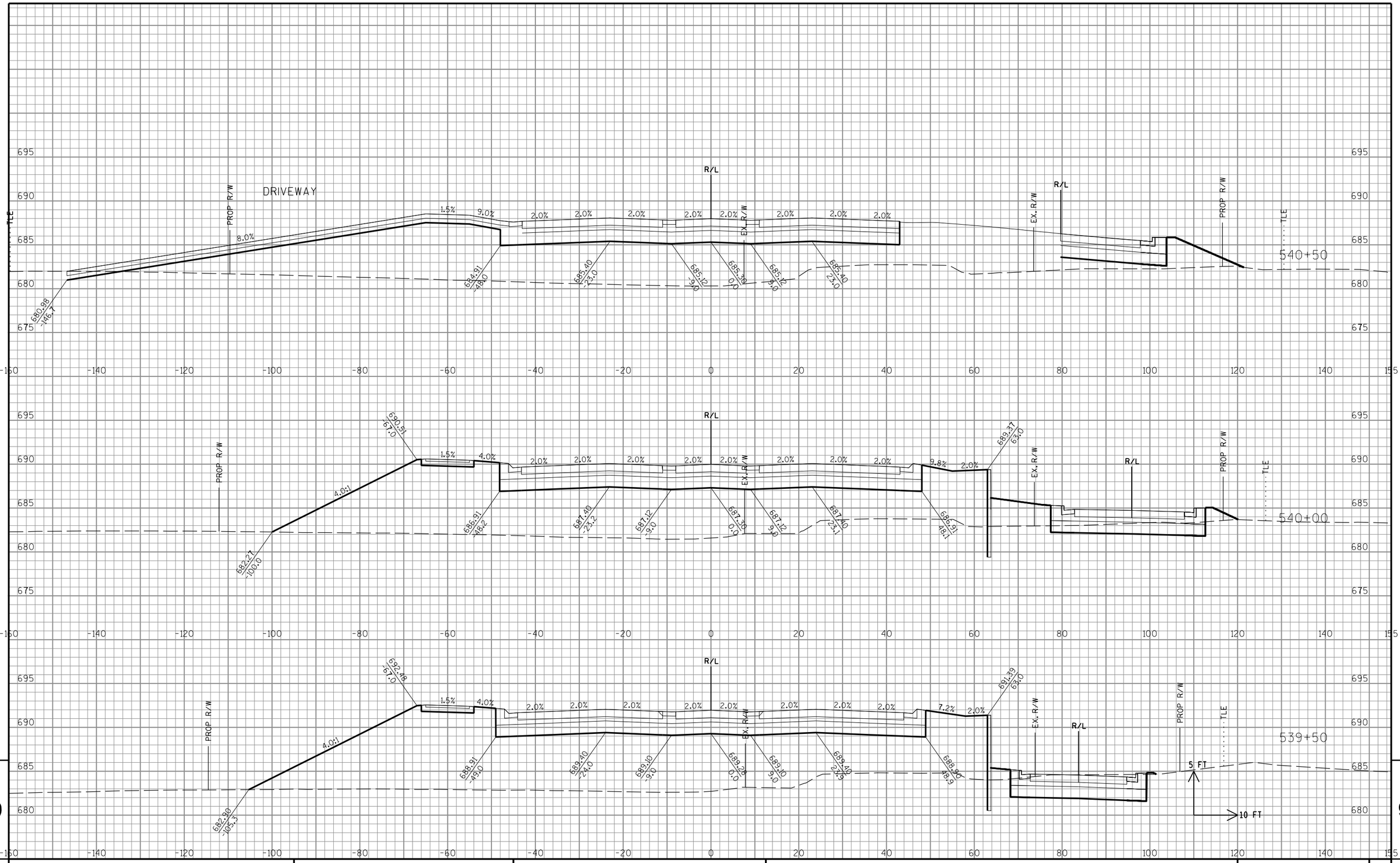


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STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: PRE_363 E

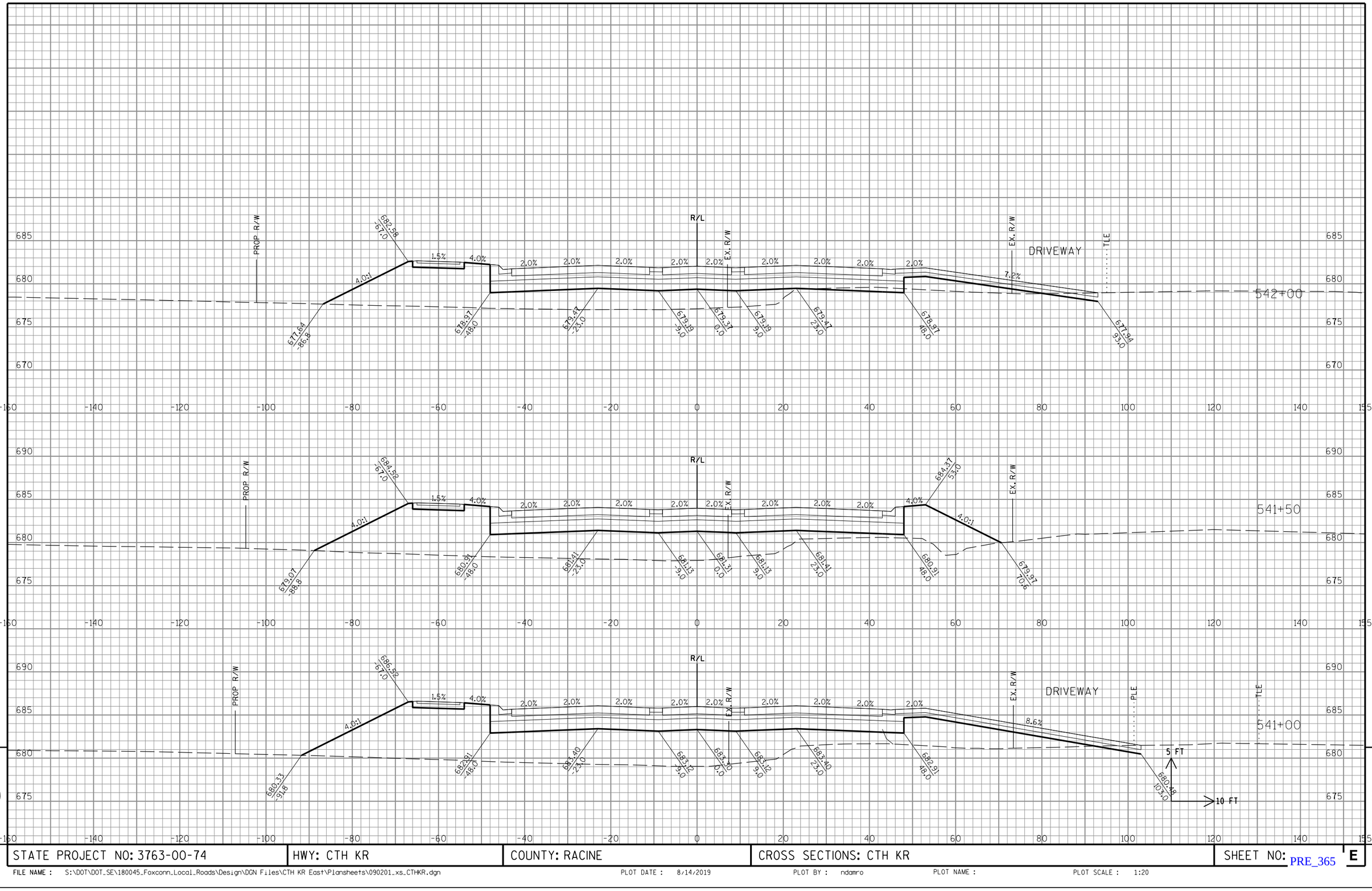
FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090201_xs_CTHKR.dgn PLOT DATE : 8/14/2019 PLOT BY : ndamro PLOT NAME : PLOT SCALE : 1:20



STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: PRE_364 E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090201_xs_CTHKR.dgn PLOT DATE : 8/14/2019 PLOT BY : ndamro PLOT NAME : PLOT SCALE : 1:20

9 9

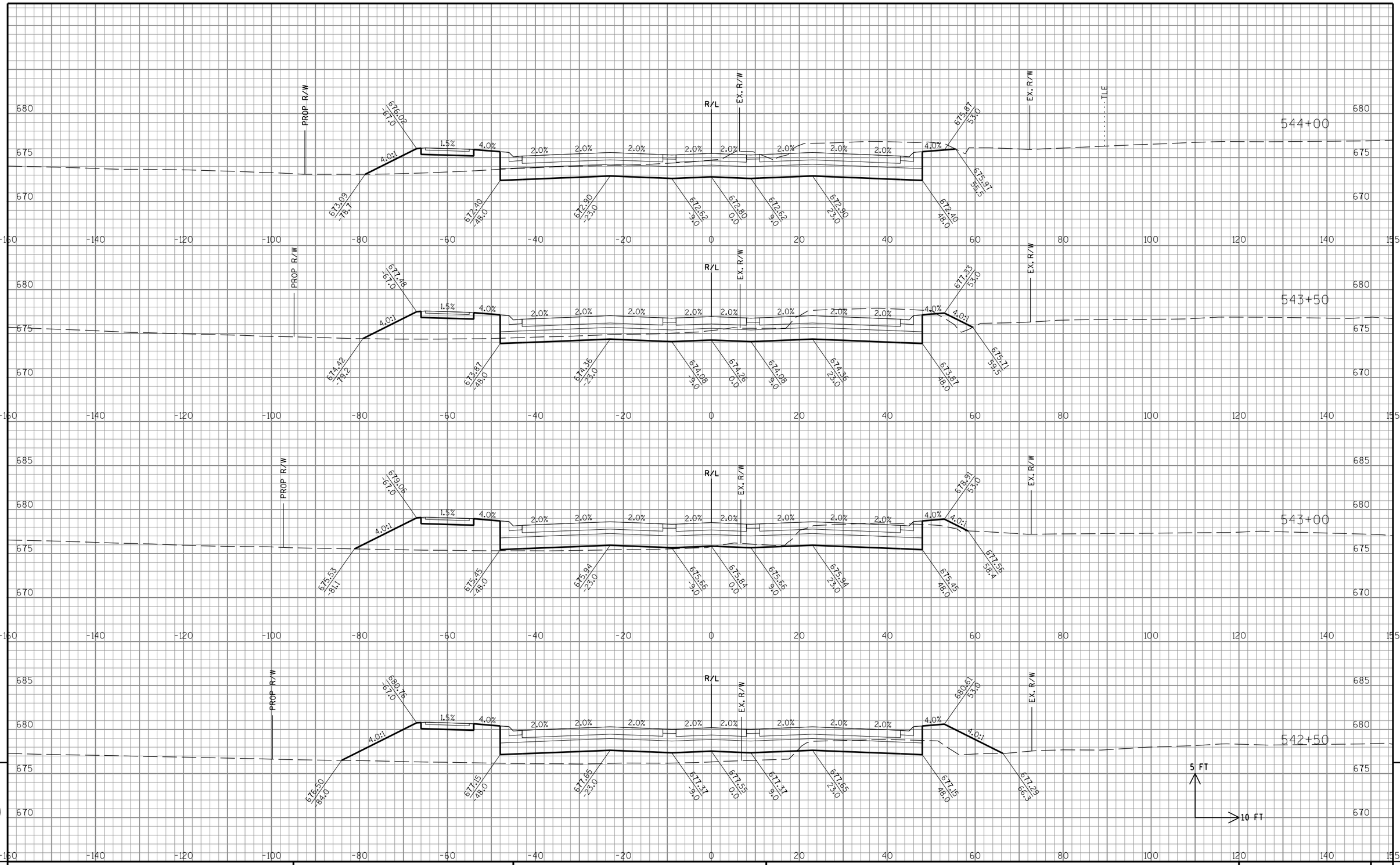


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STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: PRE_365 E

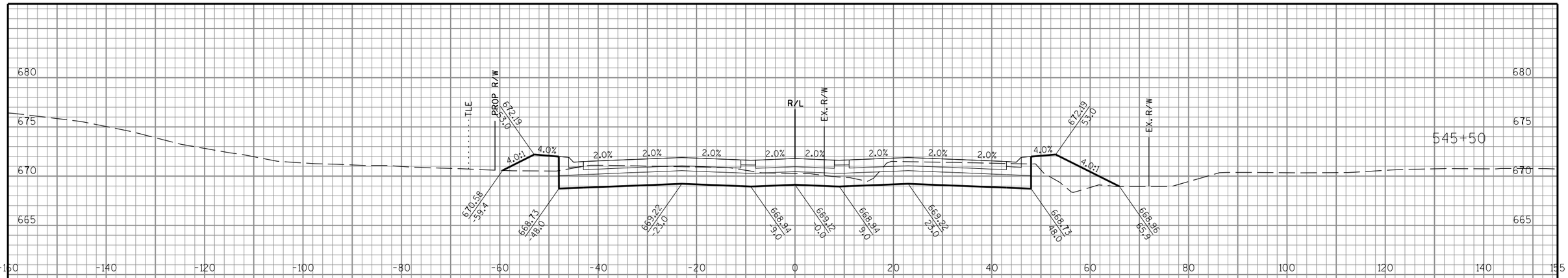
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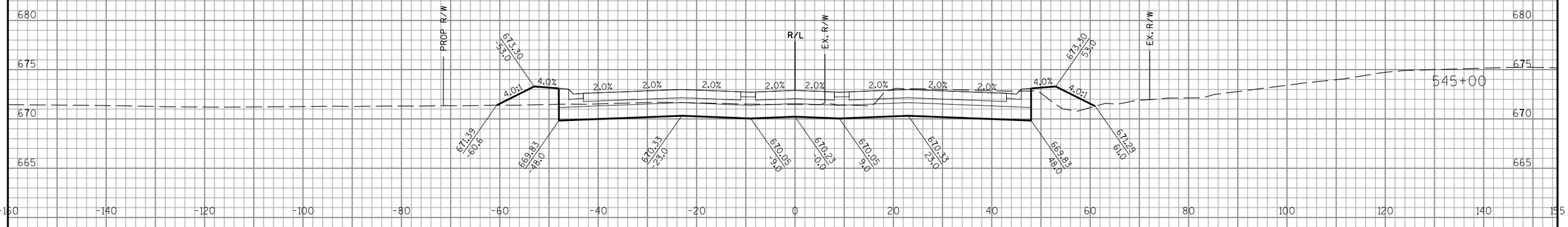


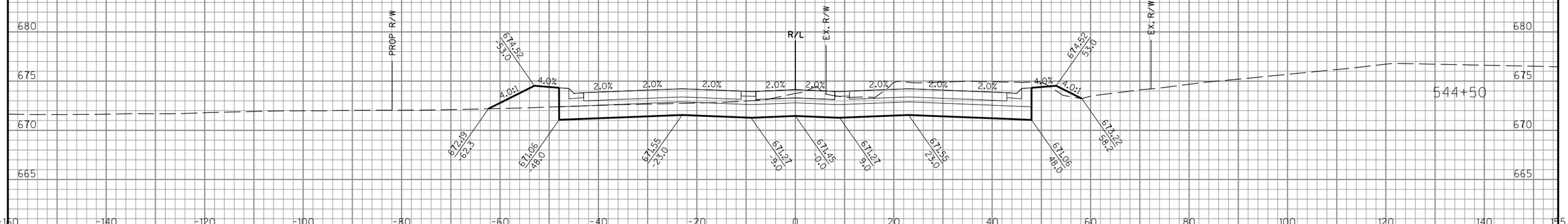
STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: E

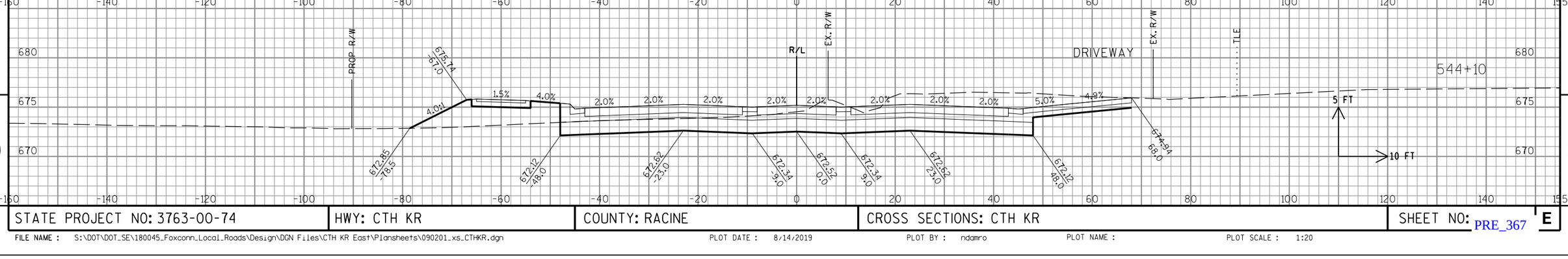
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PRE_366







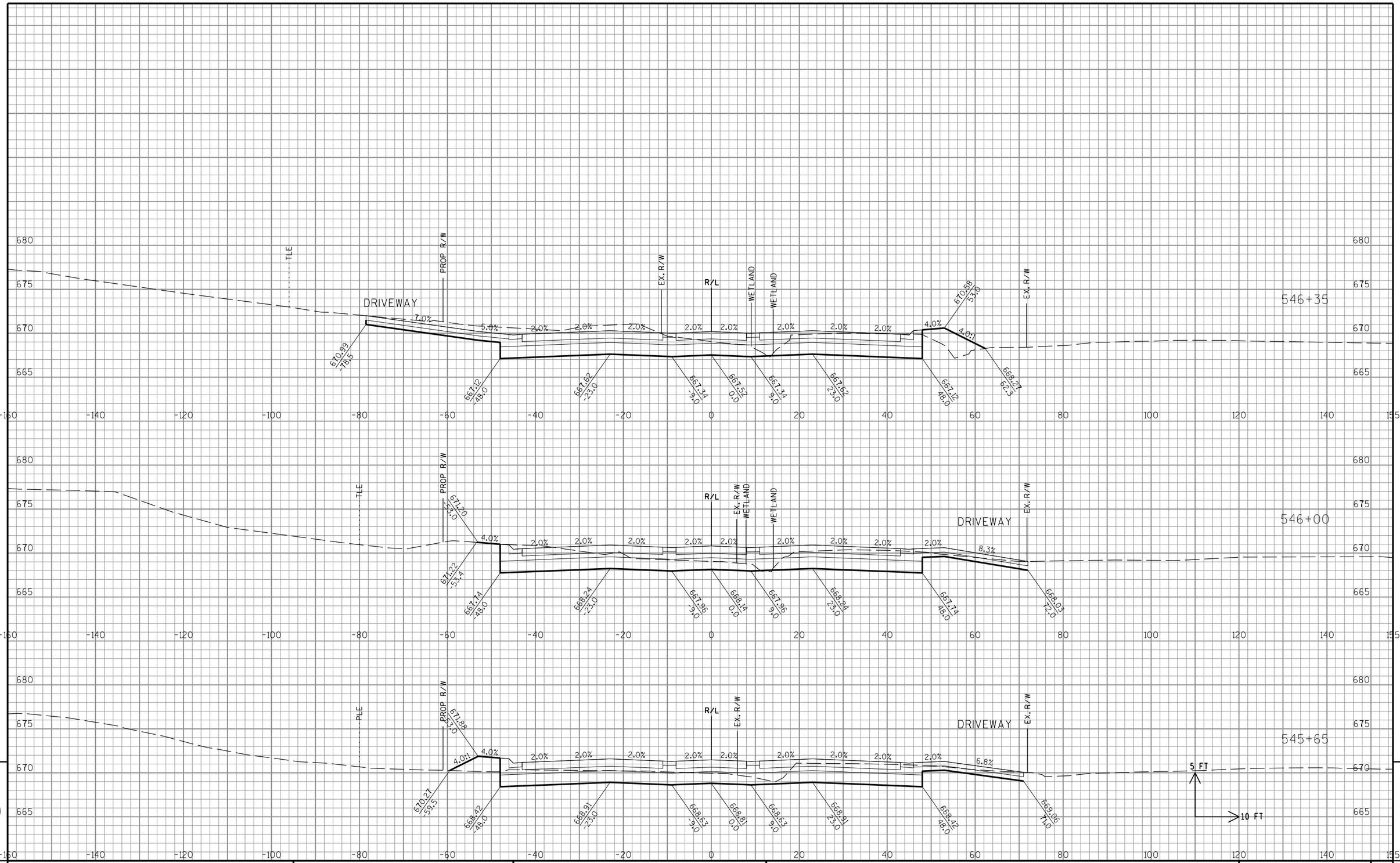


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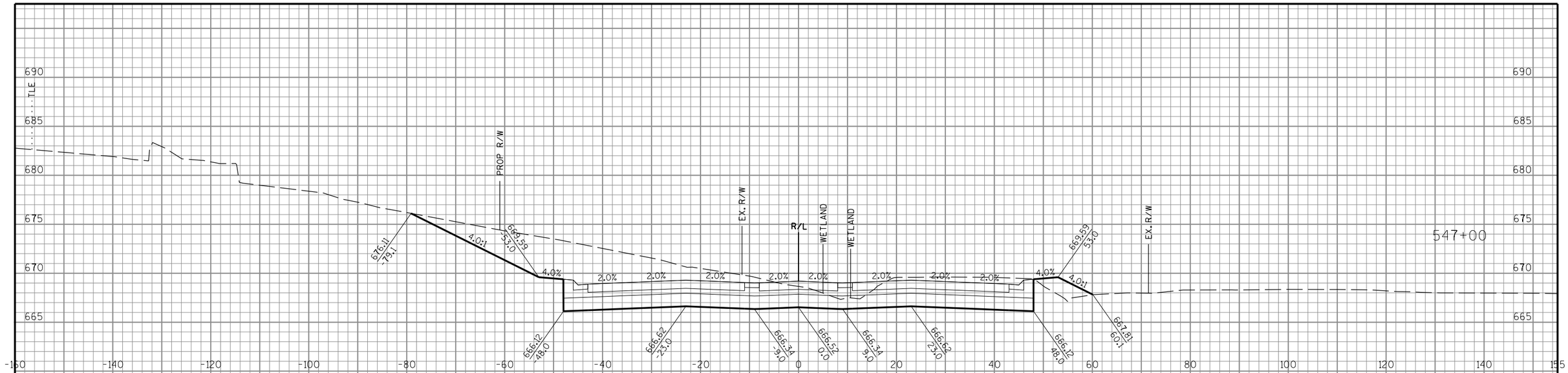
STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: PRE_367 E

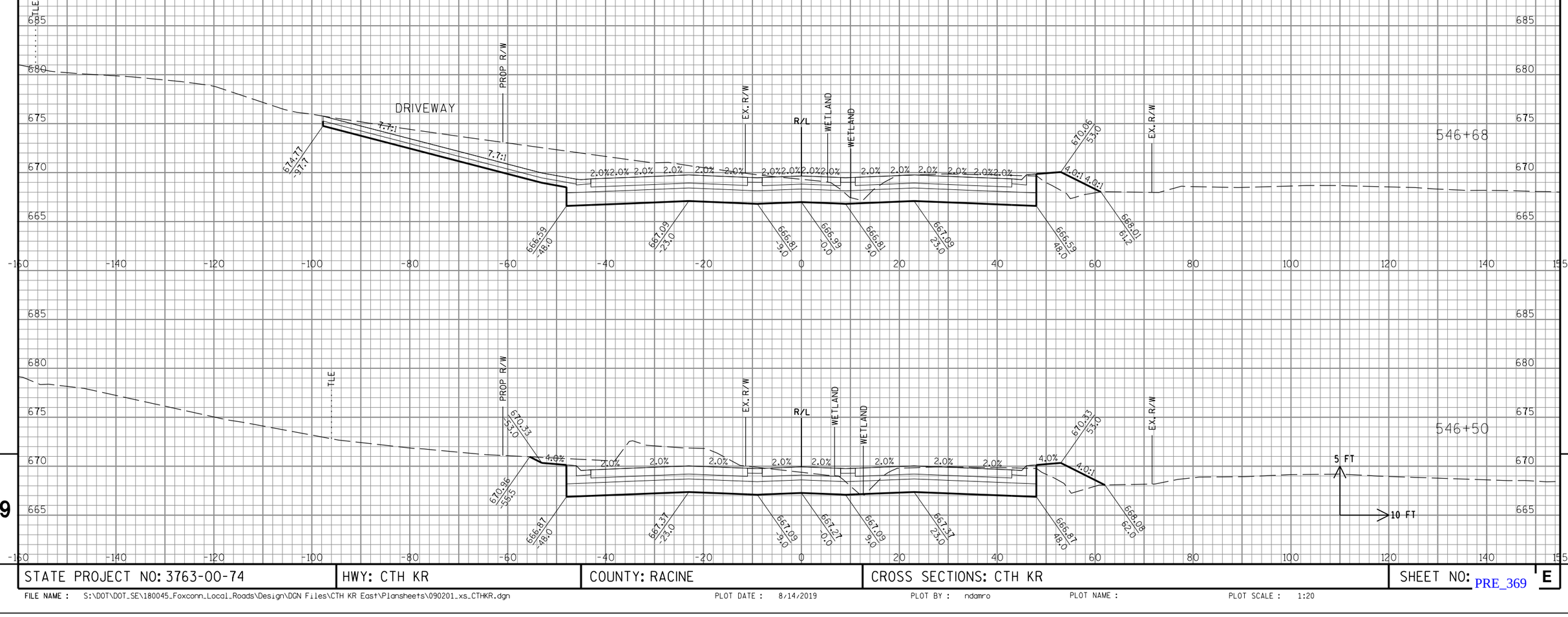
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STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: PRE_368 E

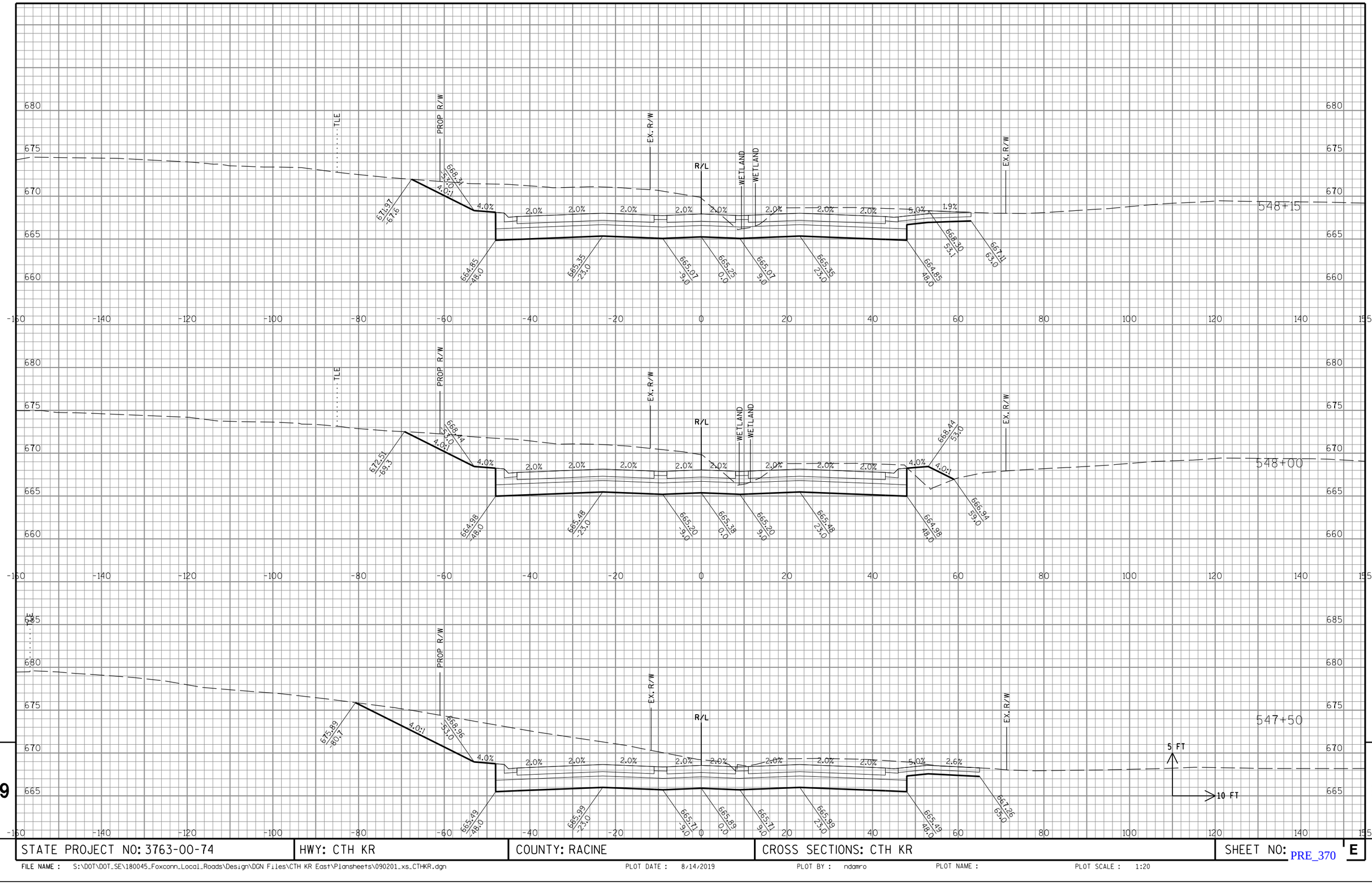
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STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: PRE_369 E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090201_xs_CTHKR.dgn PLOT DATE : 8/14/2019 PLOT BY : ndamro PLOT NAME : PLOT SCALE : 1:20

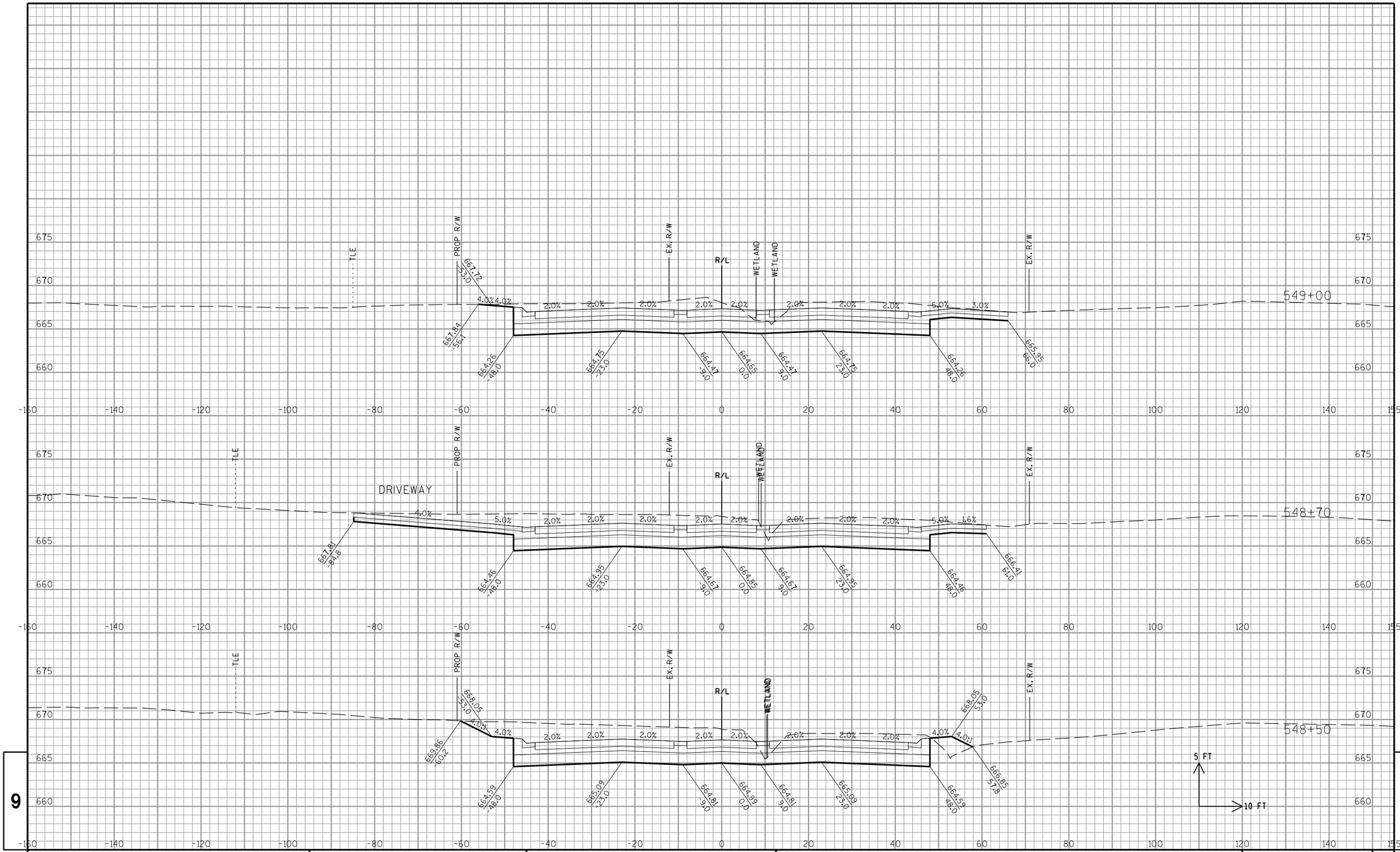


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STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: PRE_370 E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090201_xs_CTHKR.dgn PLOT DATE : 8/14/2019 PLOT BY : ndamro PLOT NAME : PLOT SCALE : 1:20



STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090201_xs_CTHKR.dgn PLOT DATE : 8/14/2019 PLOT BY : ndamro PLOT NAME : PLOT SCALE : 1:20

PRE_371

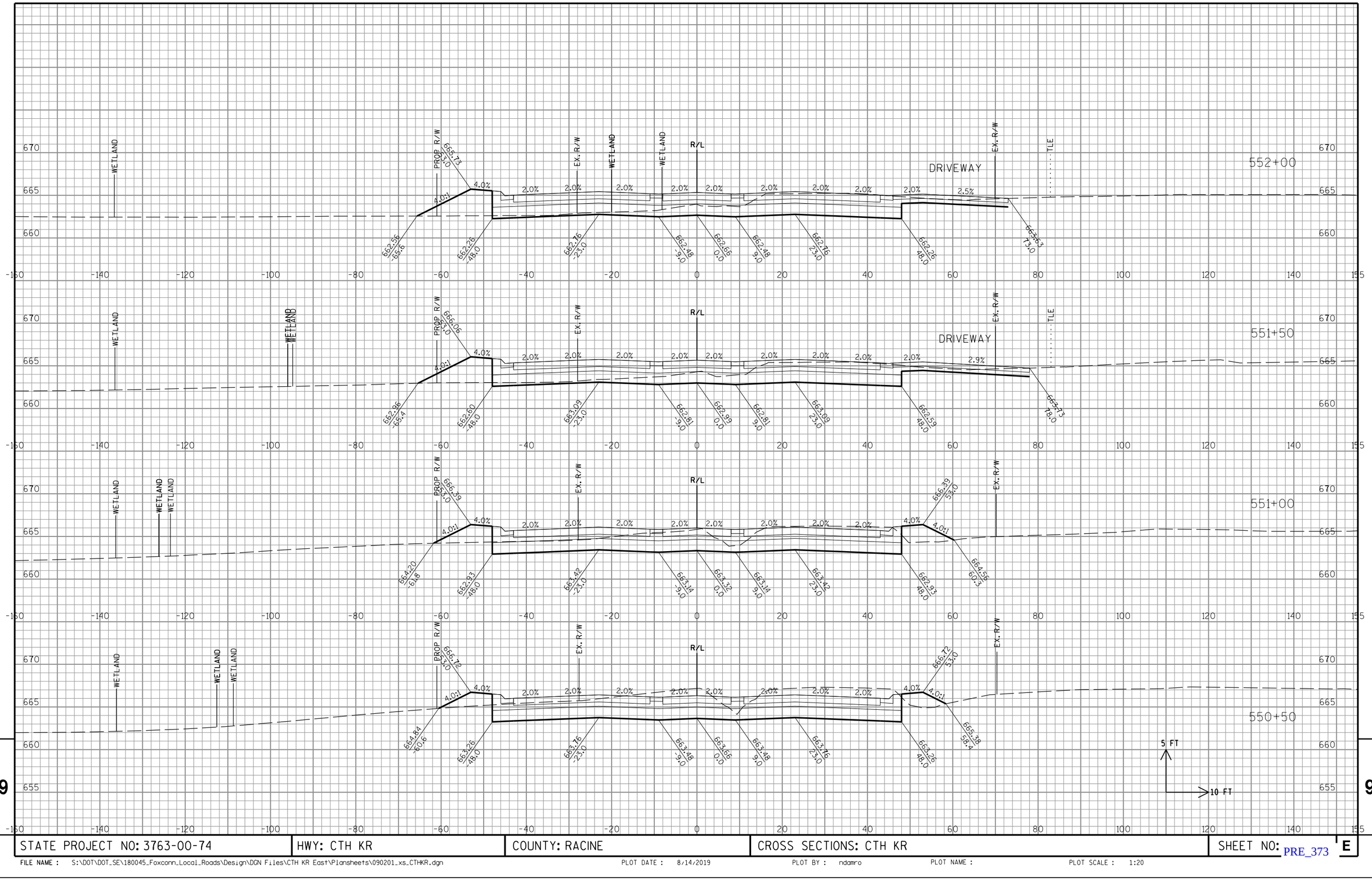
STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090201_xs_CTHKR.dgn PLOT DATE : 8/14/2019 PLOT BY : ndamro PLOT NAME : PLOT SCALE : 1:20

PRE_372

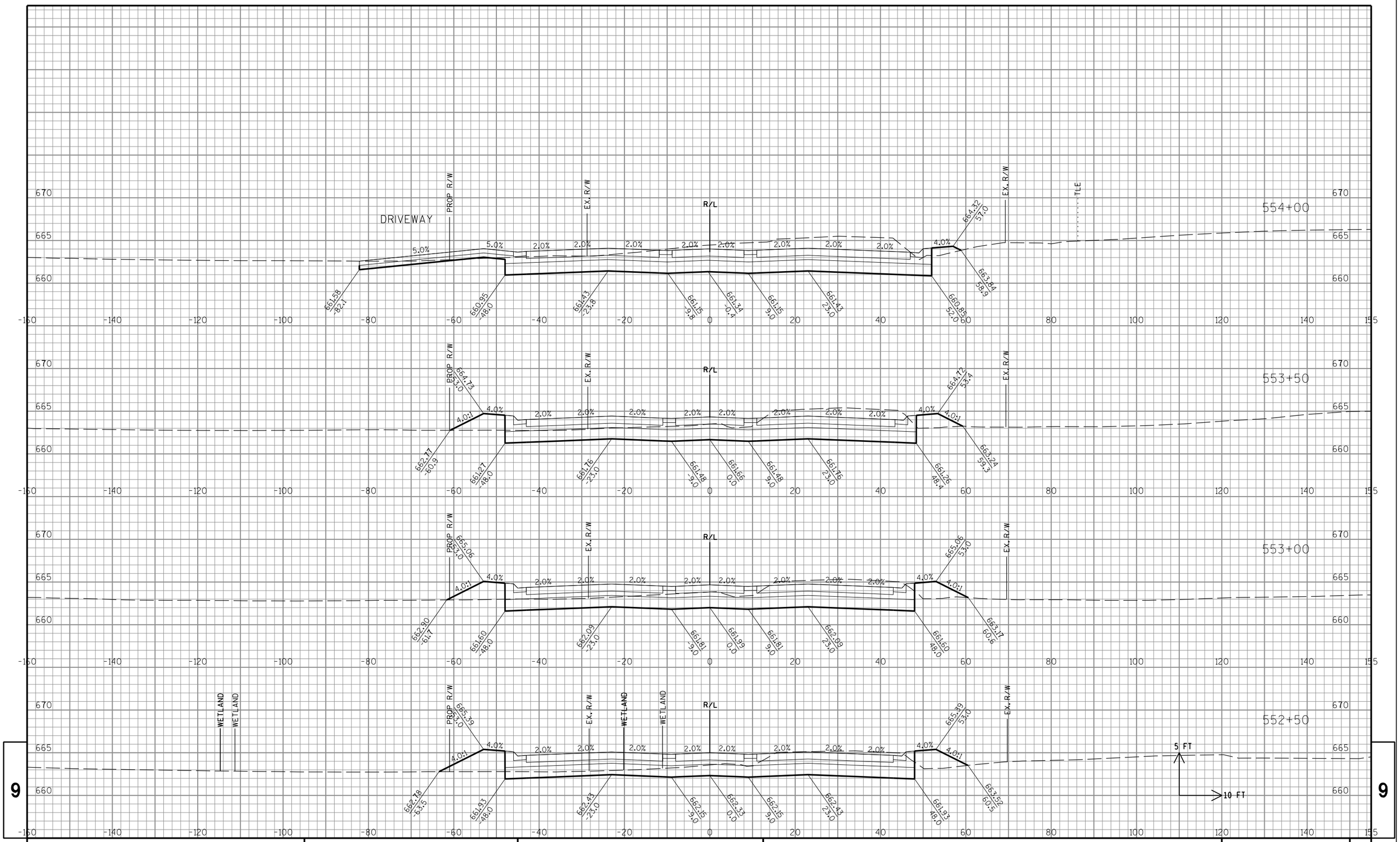
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STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: PRE_373 E

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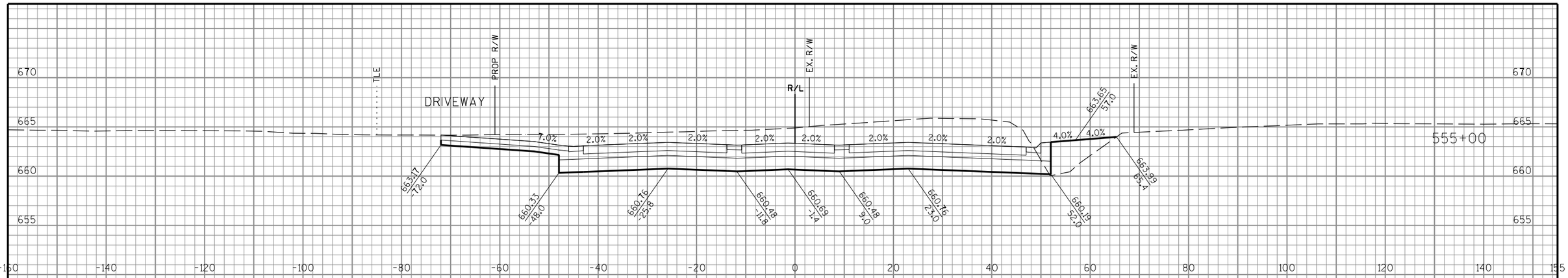


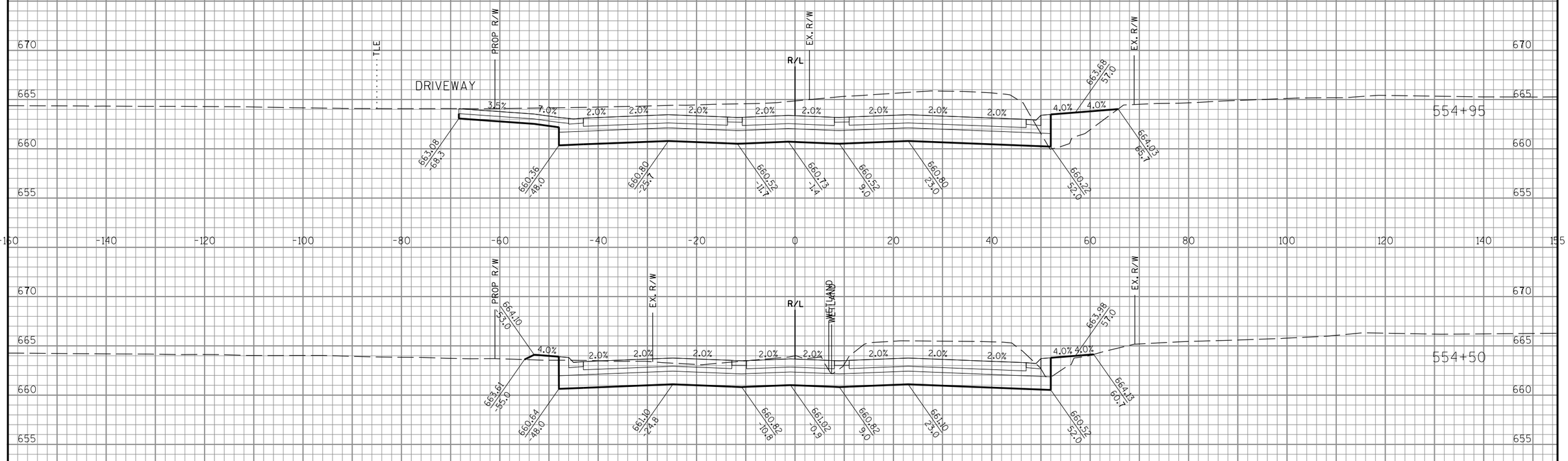
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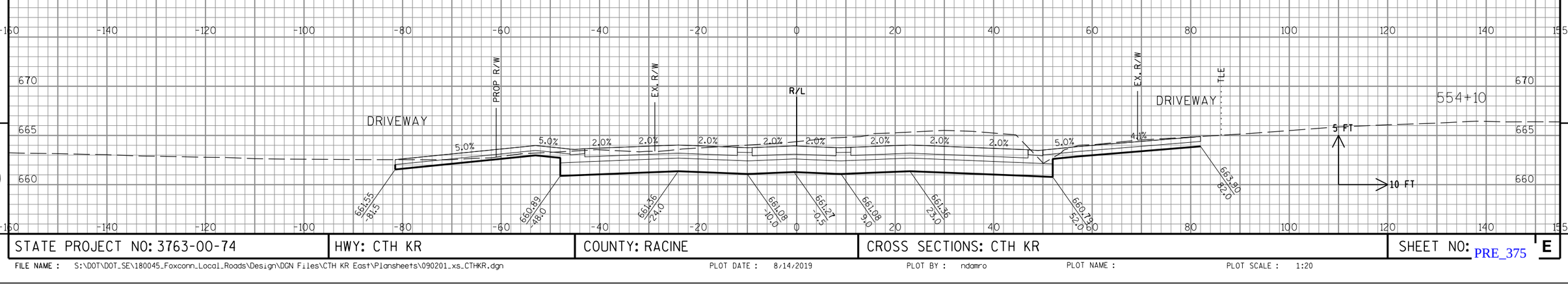
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STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: PRE_374 E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090201_xs_CTHKR.dgn PLOT DATE : 8/14/2019 PLOT BY : ndamro PLOT NAME : PLOT SCALE : 1:20







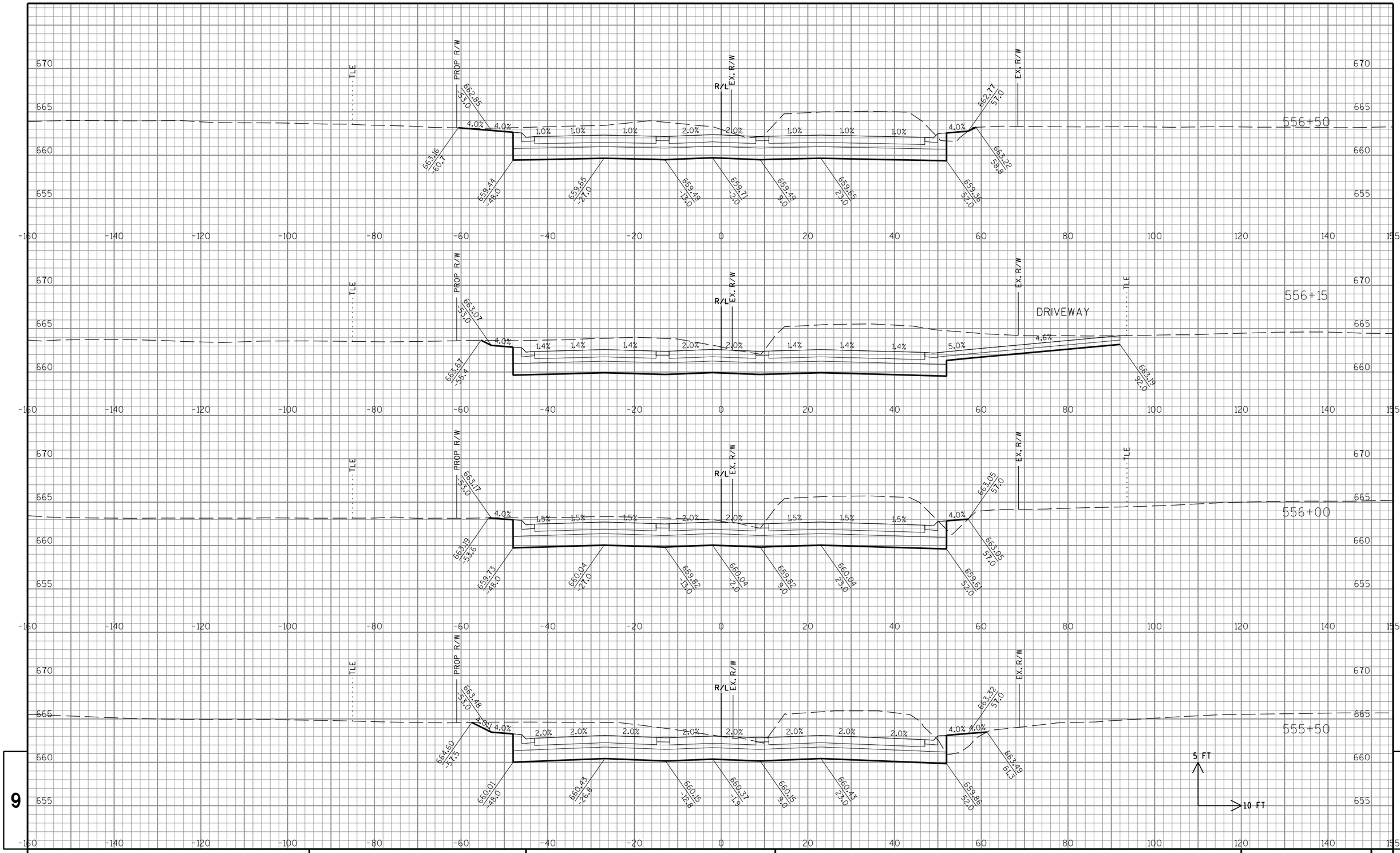
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STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090201_xs_CTHKR.dgn PLOT DATE : 8/14/2019 PLOT BY : ndamro PLOT NAME : PLOT SCALE : 1:20

PRE_375

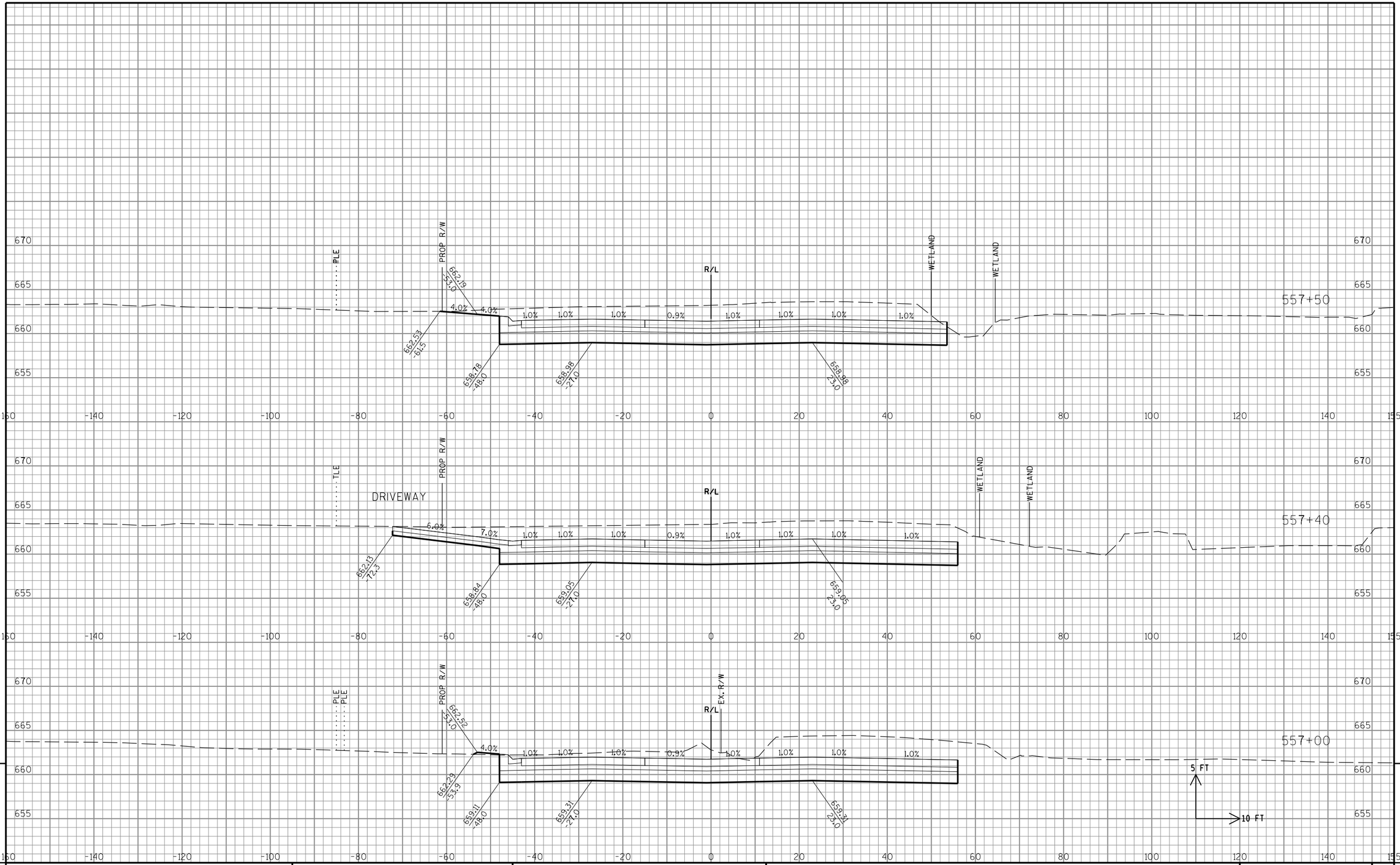


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STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090201_xs_CTHKR.dgn PLOT DATE : 8/14/2019 PLOT BY : ndamro PLOT NAME : PLOT SCALE : 1:20

PRE_376



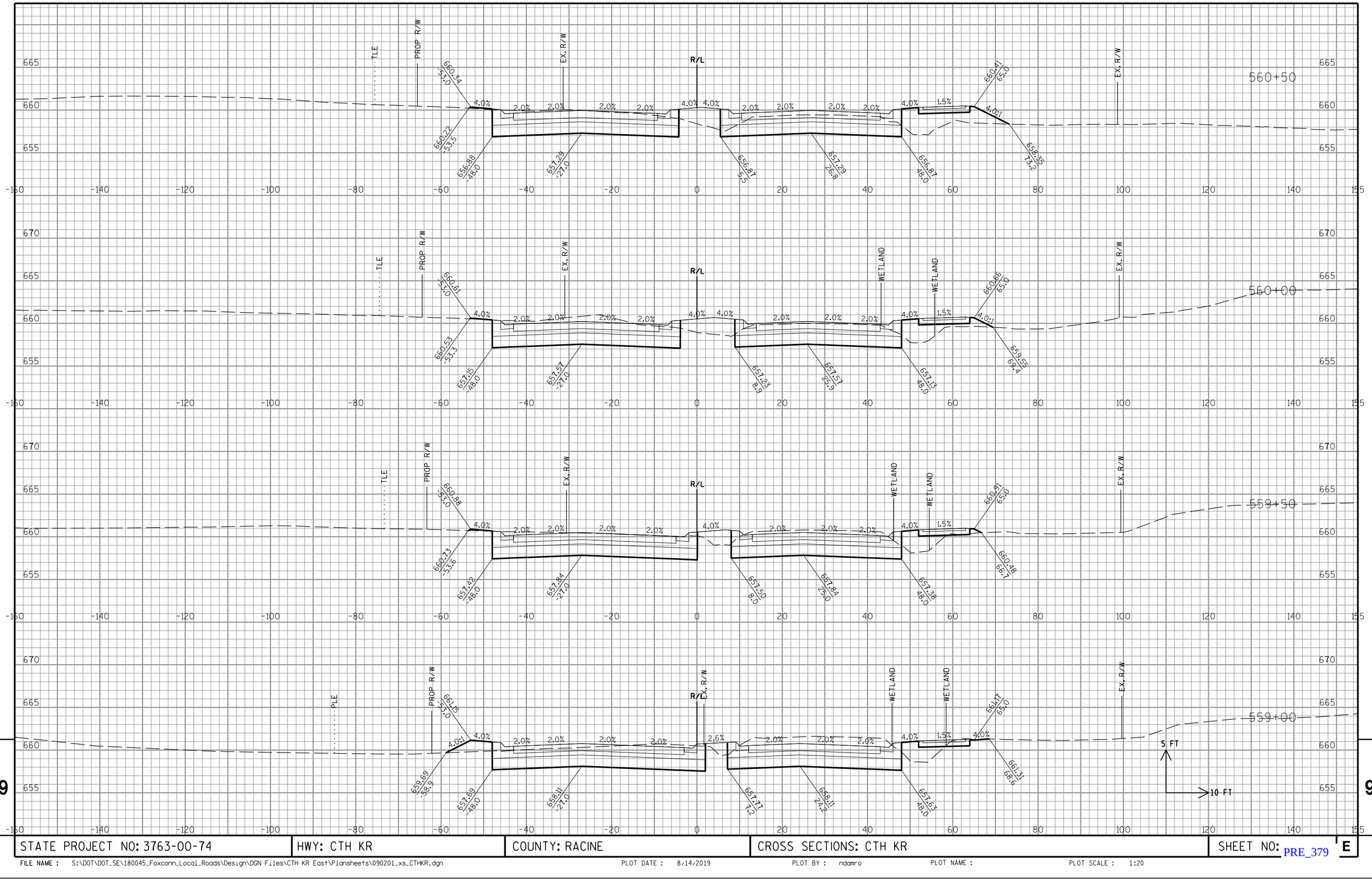
STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: PRE_377 E

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STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: E

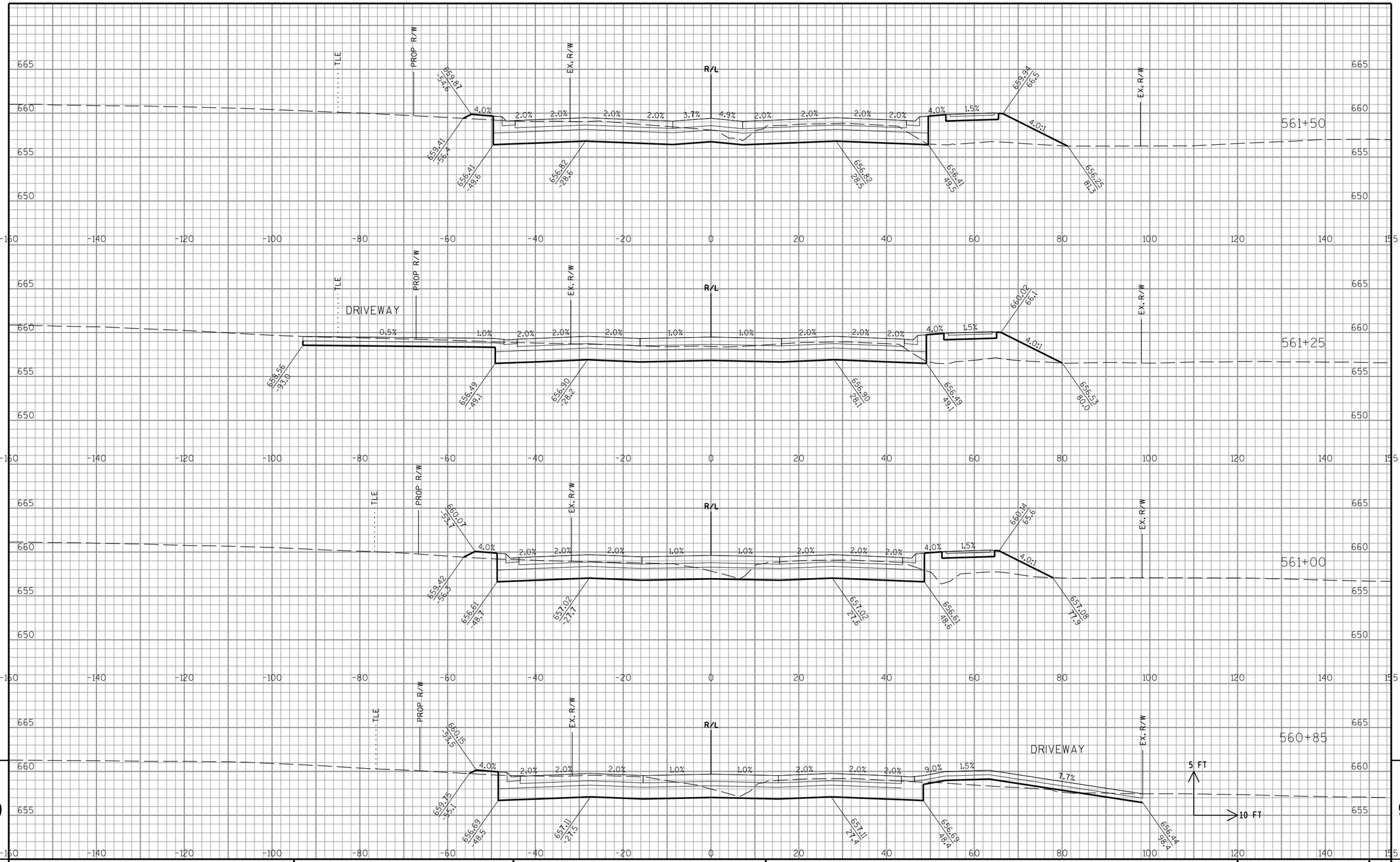
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PRE_378



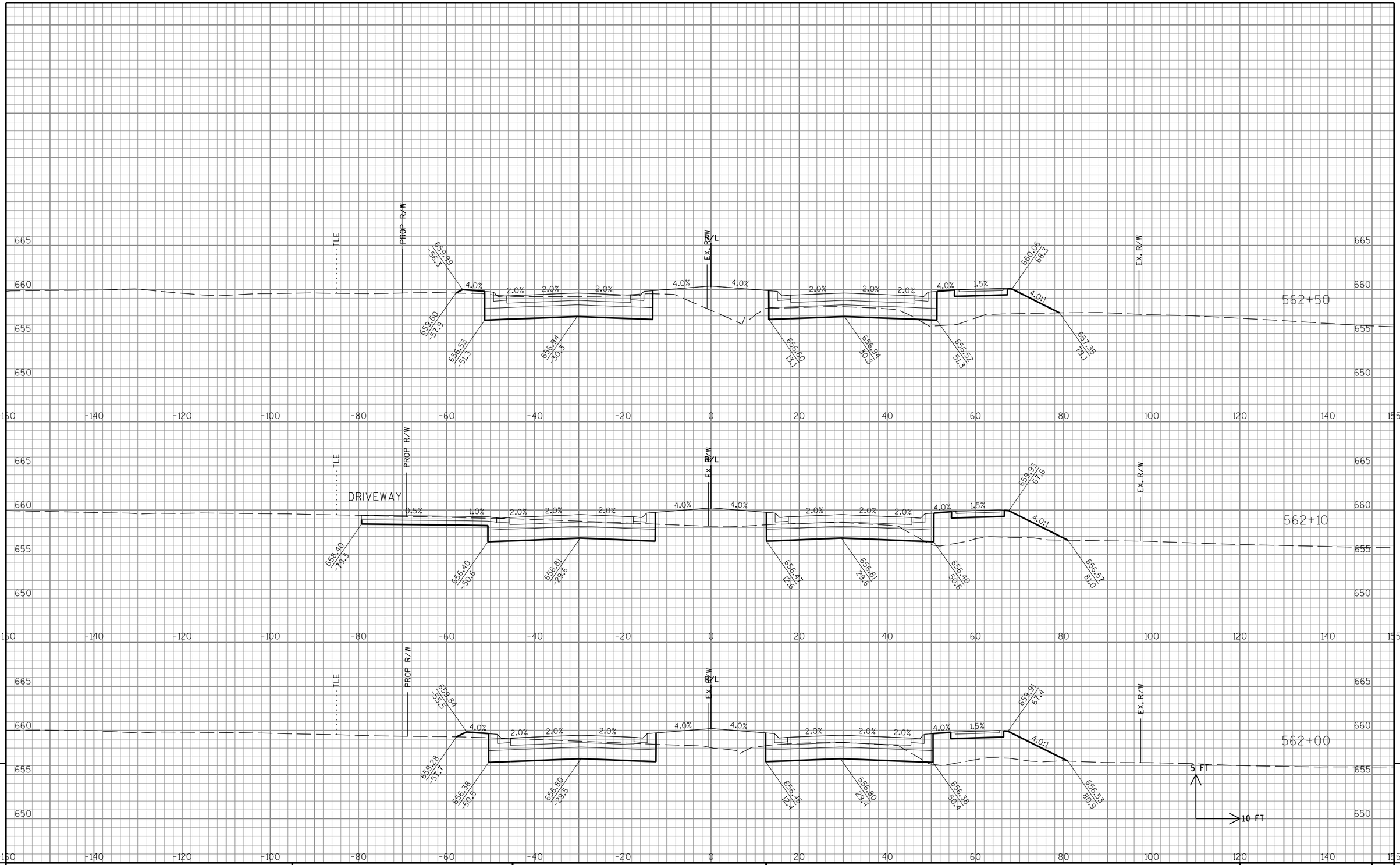
STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: PRE_379 E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090201_xs_CTHKR.dgn PLOT DATE : 8/14/2019 PLOT BY : ndamro PLOT NAME : PLOT SCALE : 1:20



STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: PRE_380 E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090201_xs_CTHKR.dgn PLOT DATE : 8/14/2019 PLOT BY : ndamro PLOT NAME : PLOT SCALE : 1:20



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STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: PRE_381 E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090201_xs_CTHKR.dgn PLOT DATE : 8/14/2019 PLOT BY : ndamro PLOT NAME : PLOT SCALE : 1:20

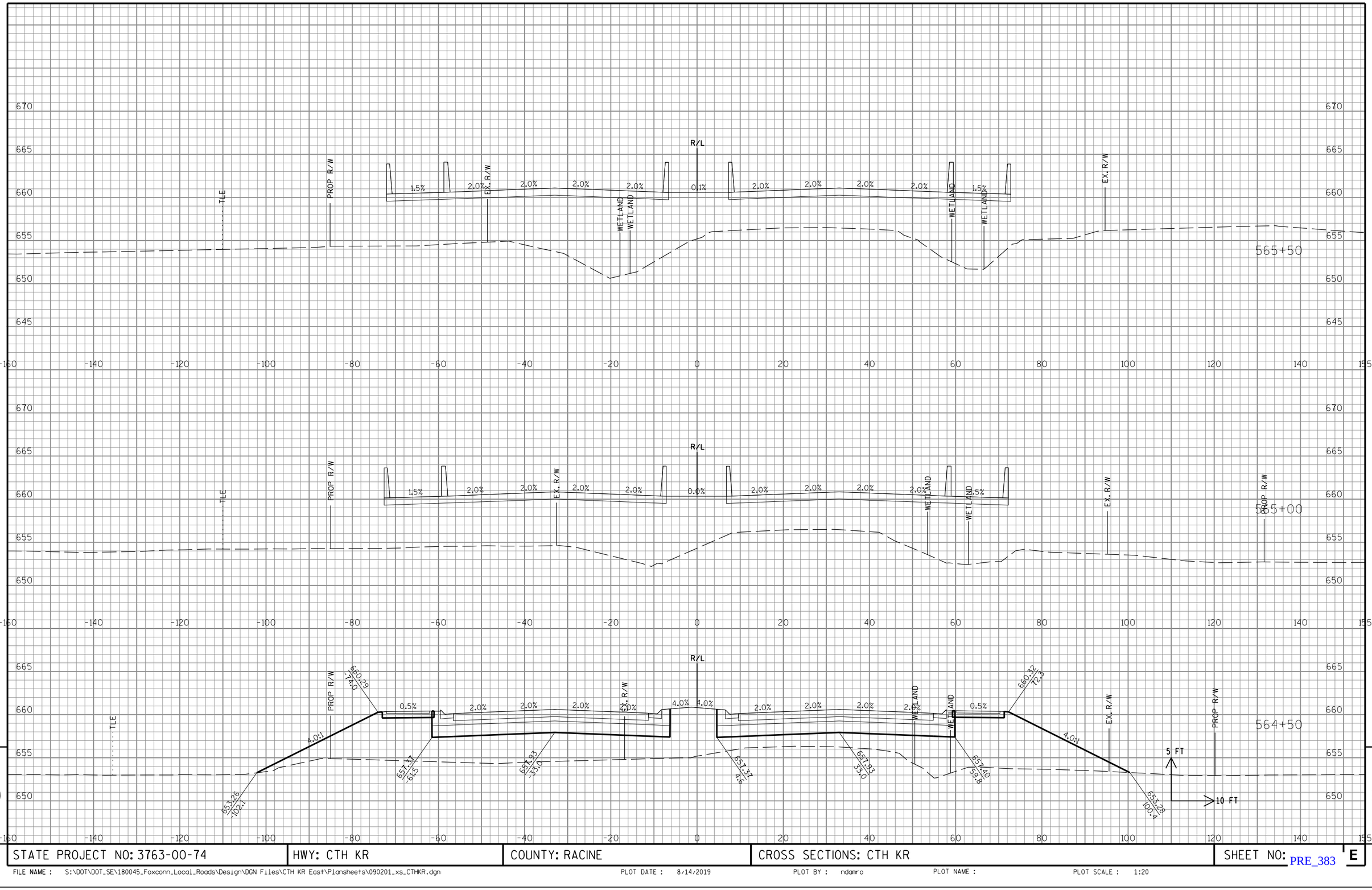
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STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090201_xs_CTHKR.dgn PLOT DATE : 8/14/2019 PLOT BY : ndamro PLOT NAME : PLOT SCALE : 1:20

PRE_382

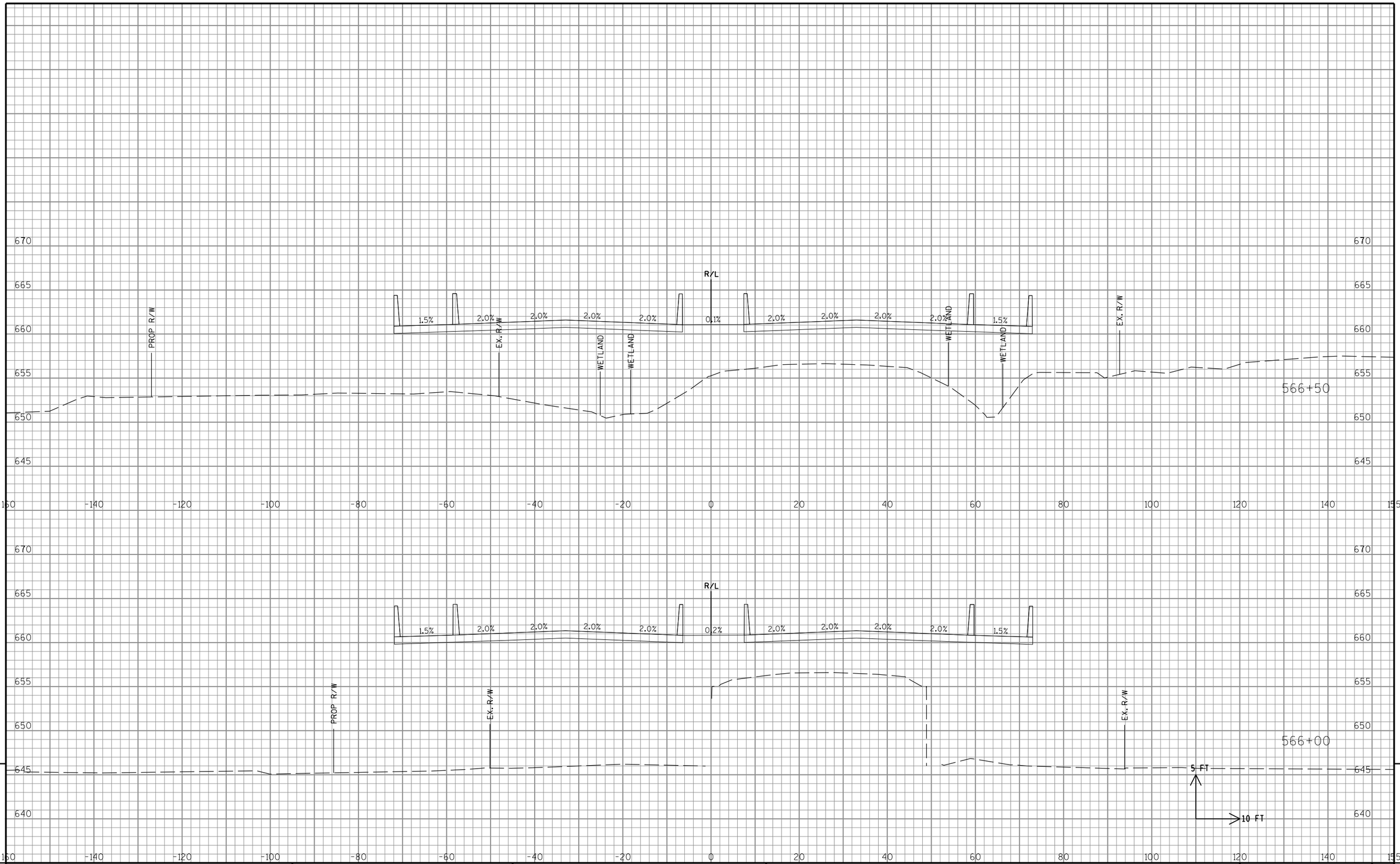


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STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: PRE_383 E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090201_xs_CTHKR.dgn PLOT DATE : 8/14/2019 PLOT BY : ndamro PLOT NAME : PLOT SCALE : 1:20

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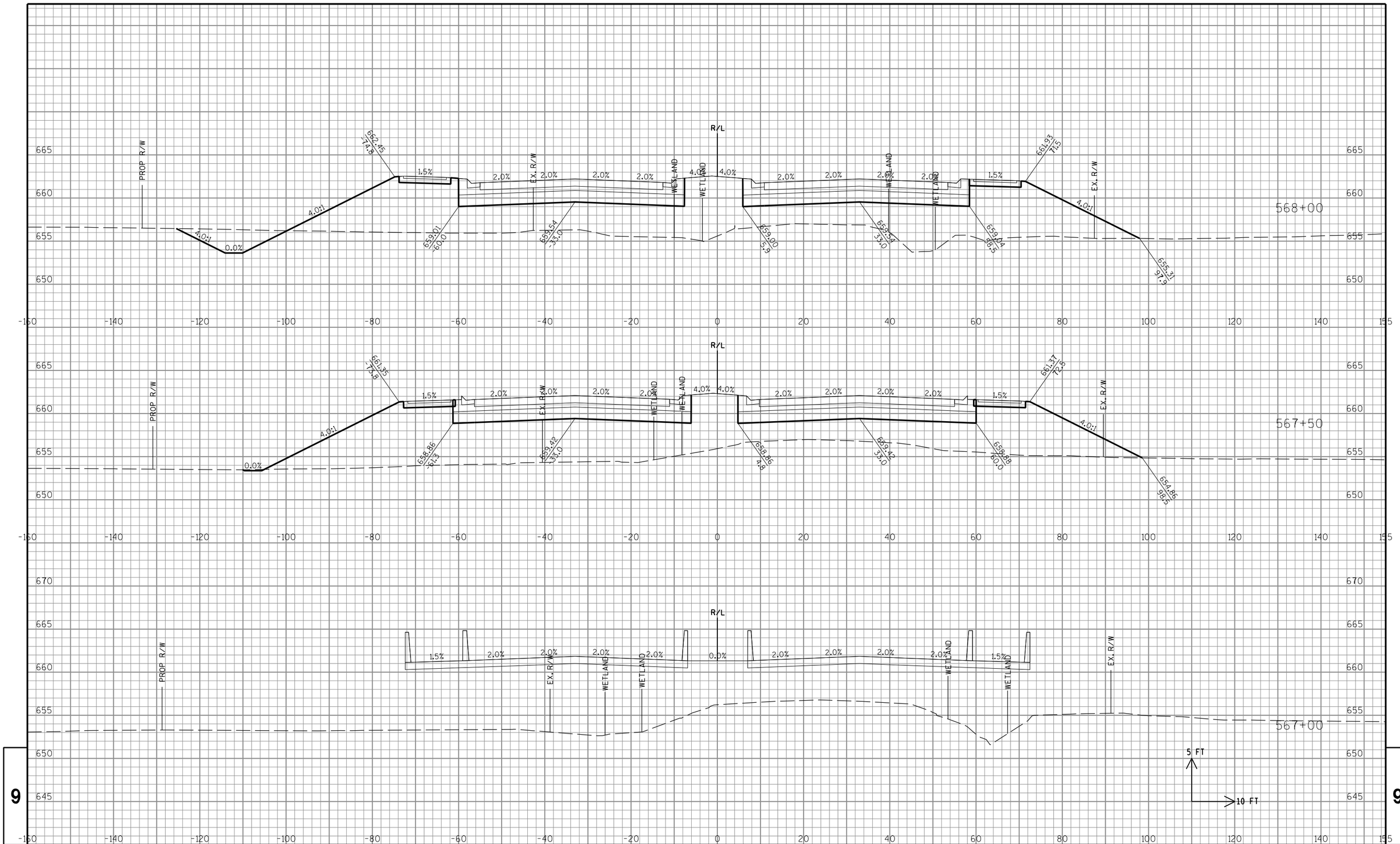


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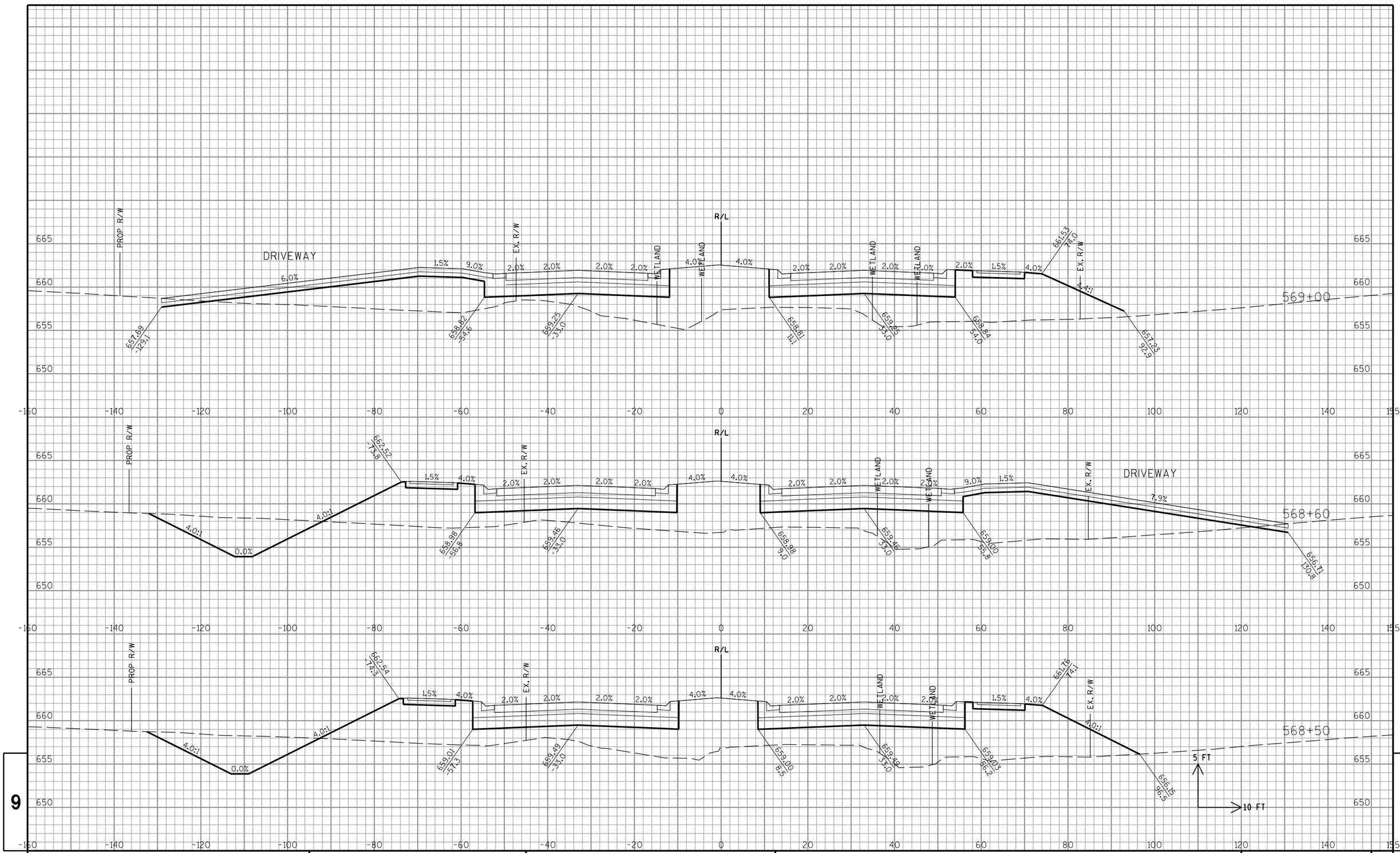
STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: PRE_384 E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090201_xs_CTHKR.dgn PLOT DATE : 8/14/2019 PLOT BY : ndamro PLOT NAME : PLOT SCALE : 1:20



STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: PRE_385 E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090201_xs_CTHKR.dgn PLOT DATE : 8/14/2019 PLOT BY : ndamro PLOT NAME : PLOT SCALE : 1:20



STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090201_xs_CTHKR.dgn PLOT DATE : 8/14/2019 PLOT BY : ndamro PLOT NAME : PLOT SCALE : 1:20

PRE_386

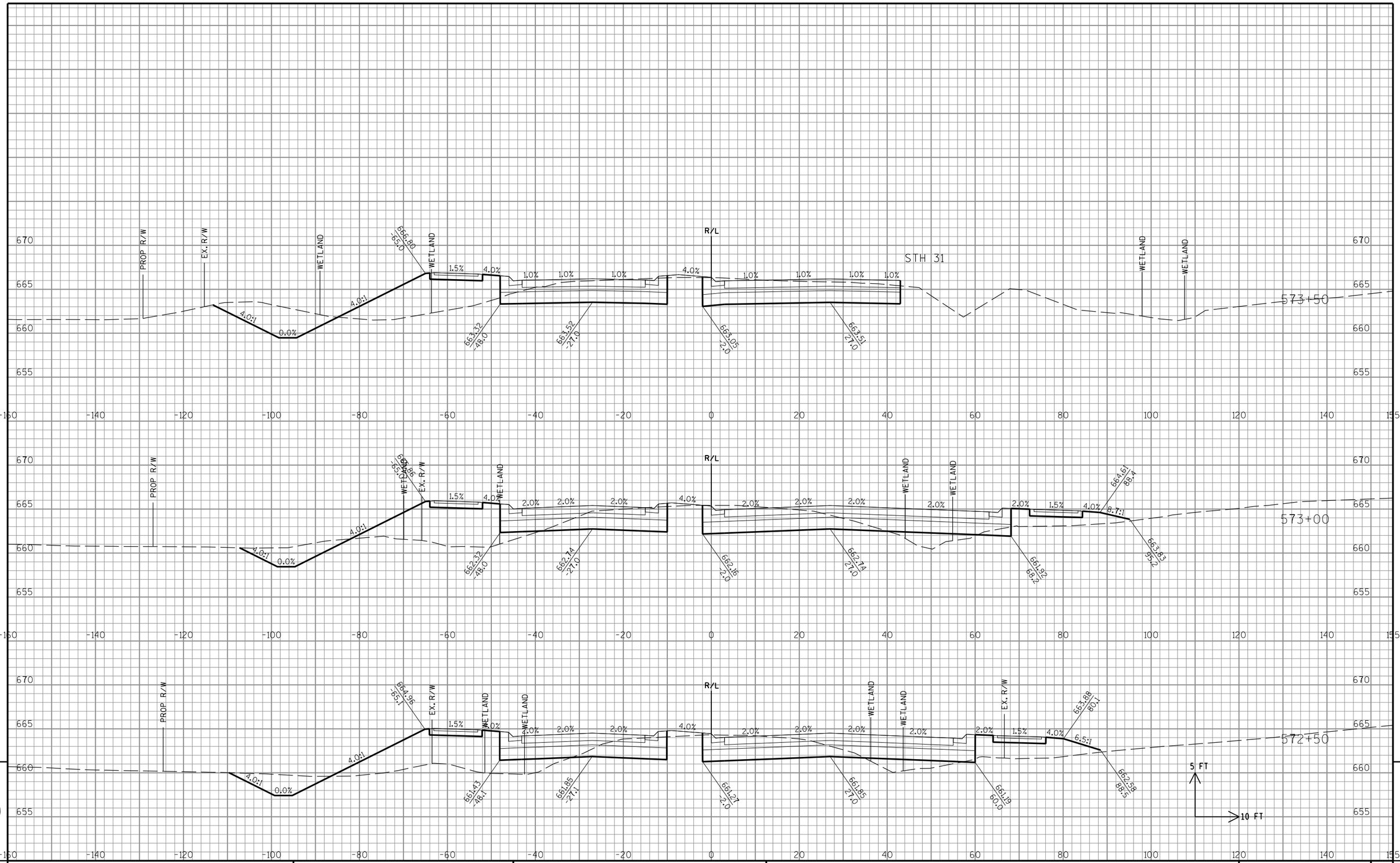
STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090201_xs_CTHKR.dgn PLOT DATE : 8/14/2019 PLOT BY : ndamro PLOT NAME : PLOT SCALE : 1:20

PRE_387

STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: PRE_388 E

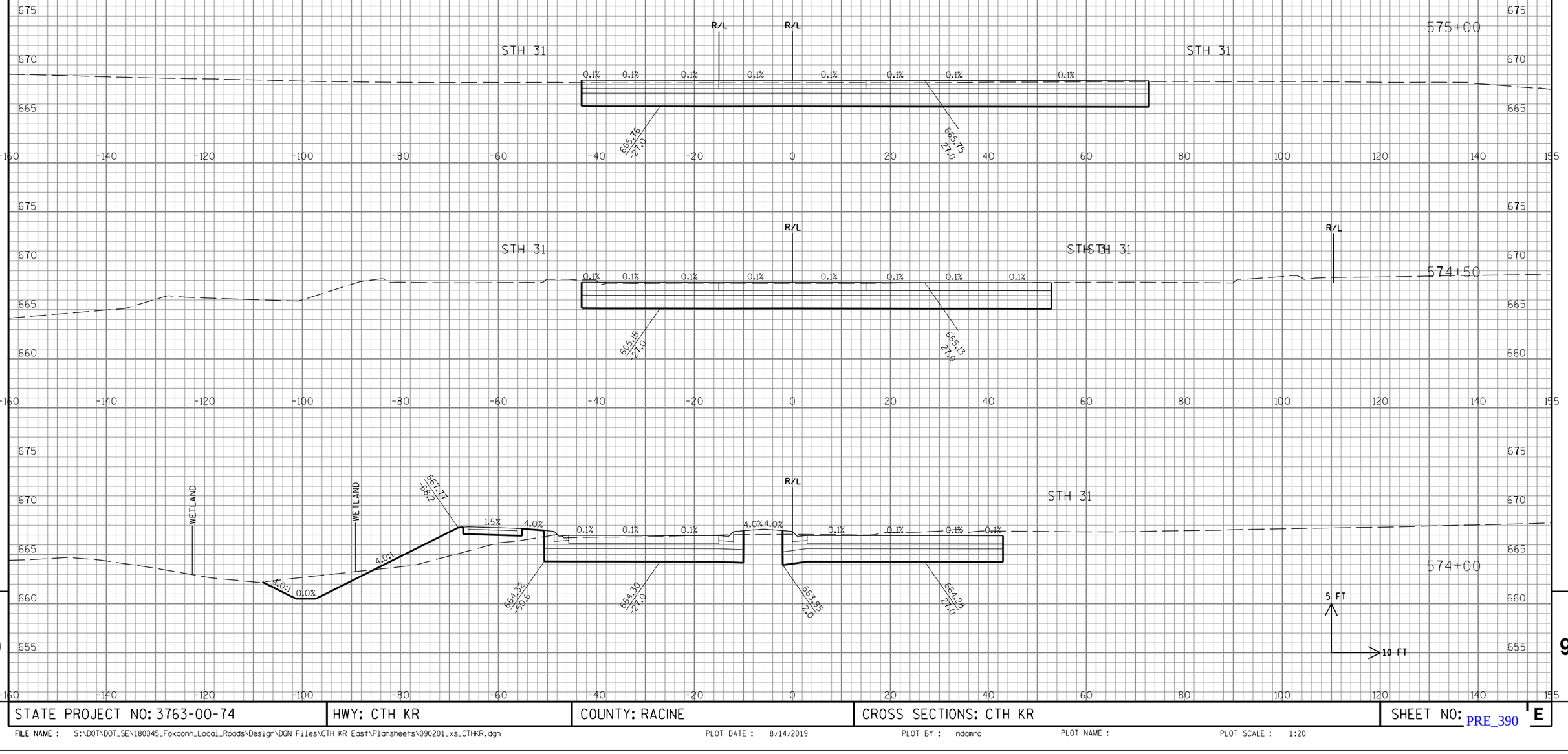
FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090201_xs_CTHKR.dgn PLOT DATE : 8/14/2019 PLOT BY : ndamro PLOT NAME : PLOT SCALE : 1:20



STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090201_xs_CTHKR.dgn PLOT DATE : 8/14/2019 PLOT BY : ndamro PLOT NAME : PLOT SCALE : 1:20

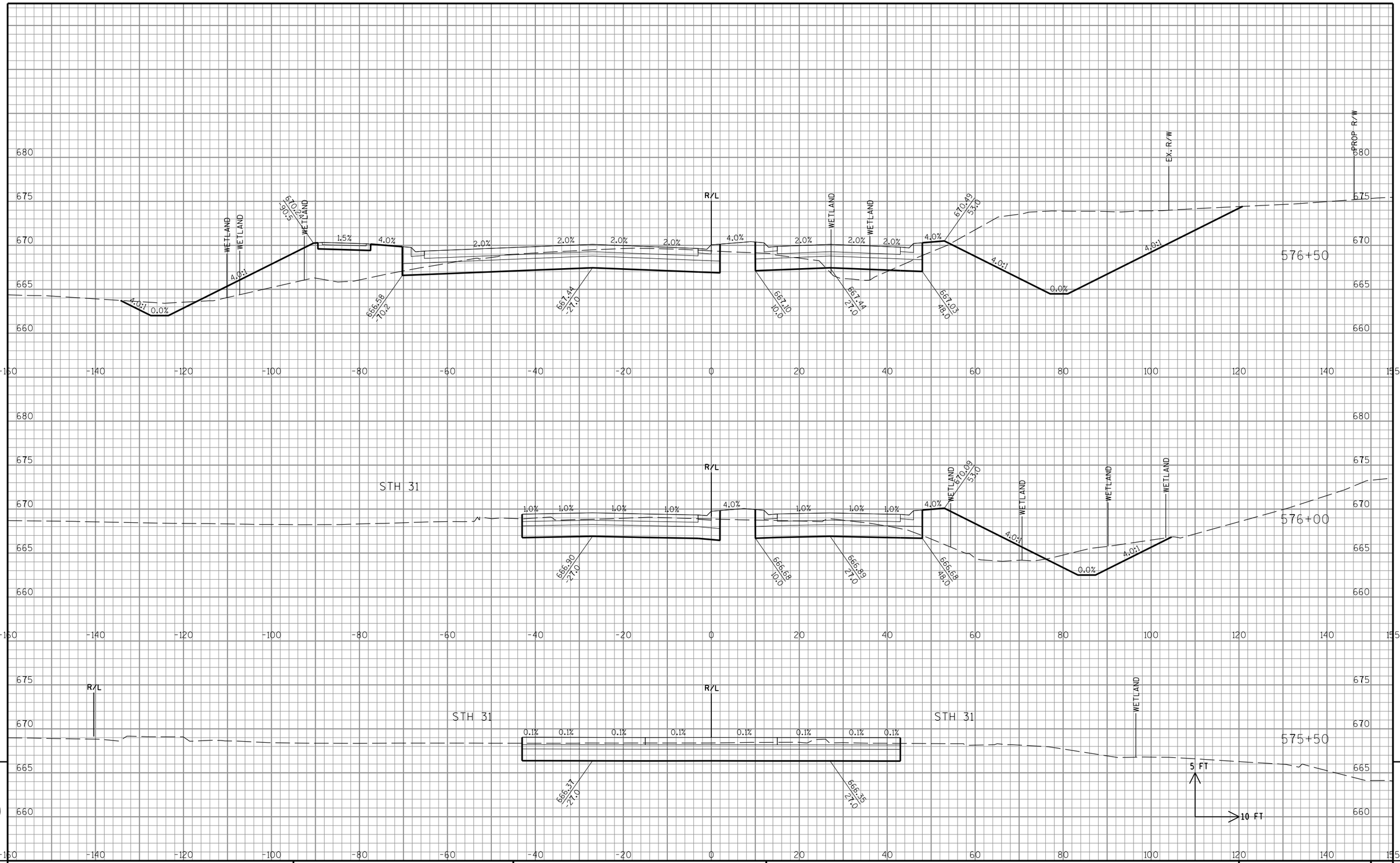
PRE_389



STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: E

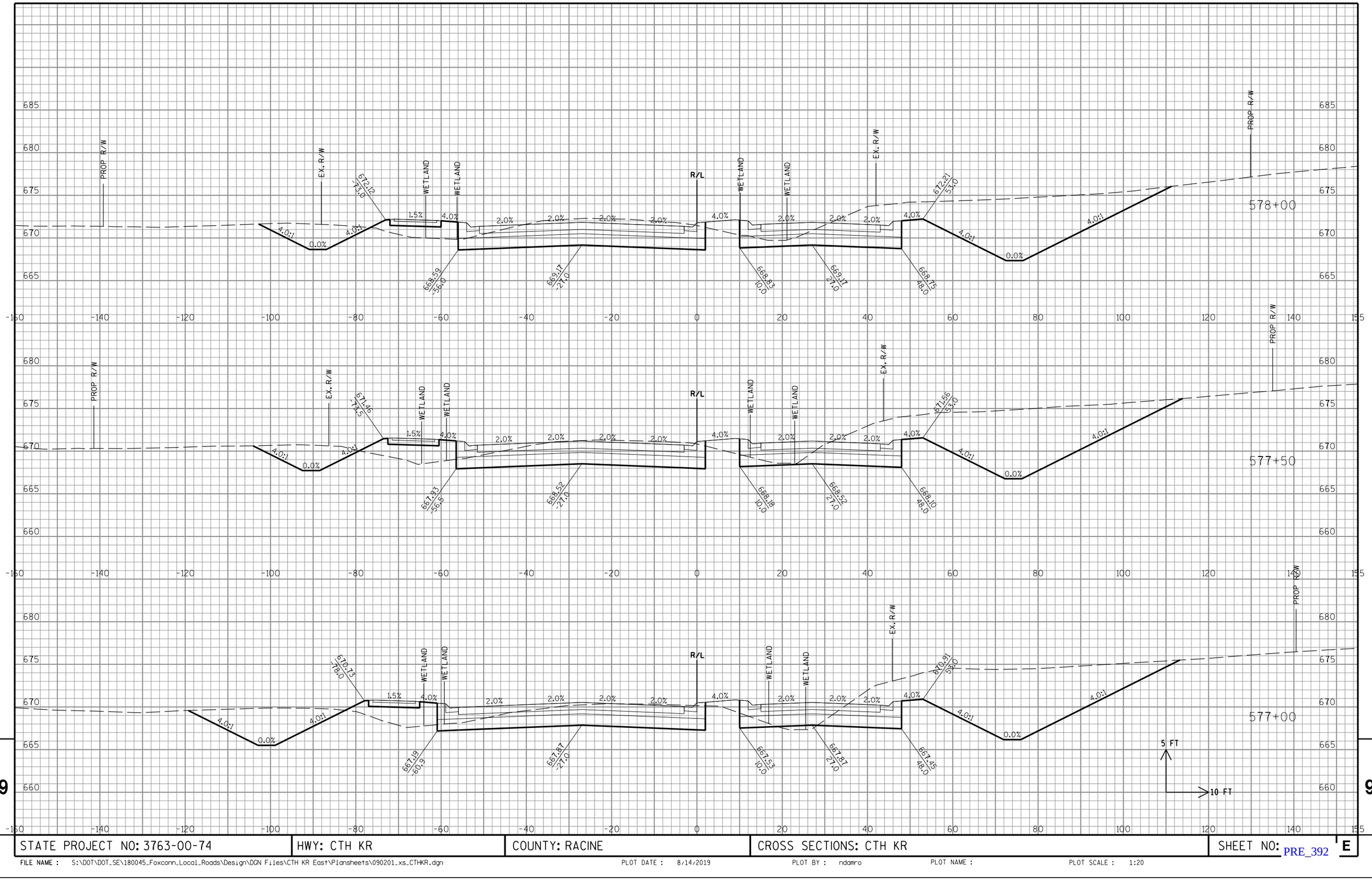
FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090201_xs_CTHKR.dgn PLOT DATE : 8/14/2019 PLOT BY : ndamro PLOT NAME : PLOT SCALE : 1:20

PRE_390



STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: PRE_391 E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090201_xs_CTHKR.dgn PLOT DATE : 8/14/2019 PLOT BY : ndamro PLOT NAME : PLOT SCALE : 1:20



STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: PRE_392 E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090201_xs_CTHKR.dgn PLOT DATE : 8/14/2019 PLOT BY : ndamro PLOT NAME : PLOT SCALE : 1:20

STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090201_xs_CTHKR.dgn PLOT DATE : 8/14/2019 PLOT BY : ndamro PLOT NAME : PLOT SCALE : 1:20

PRE_393

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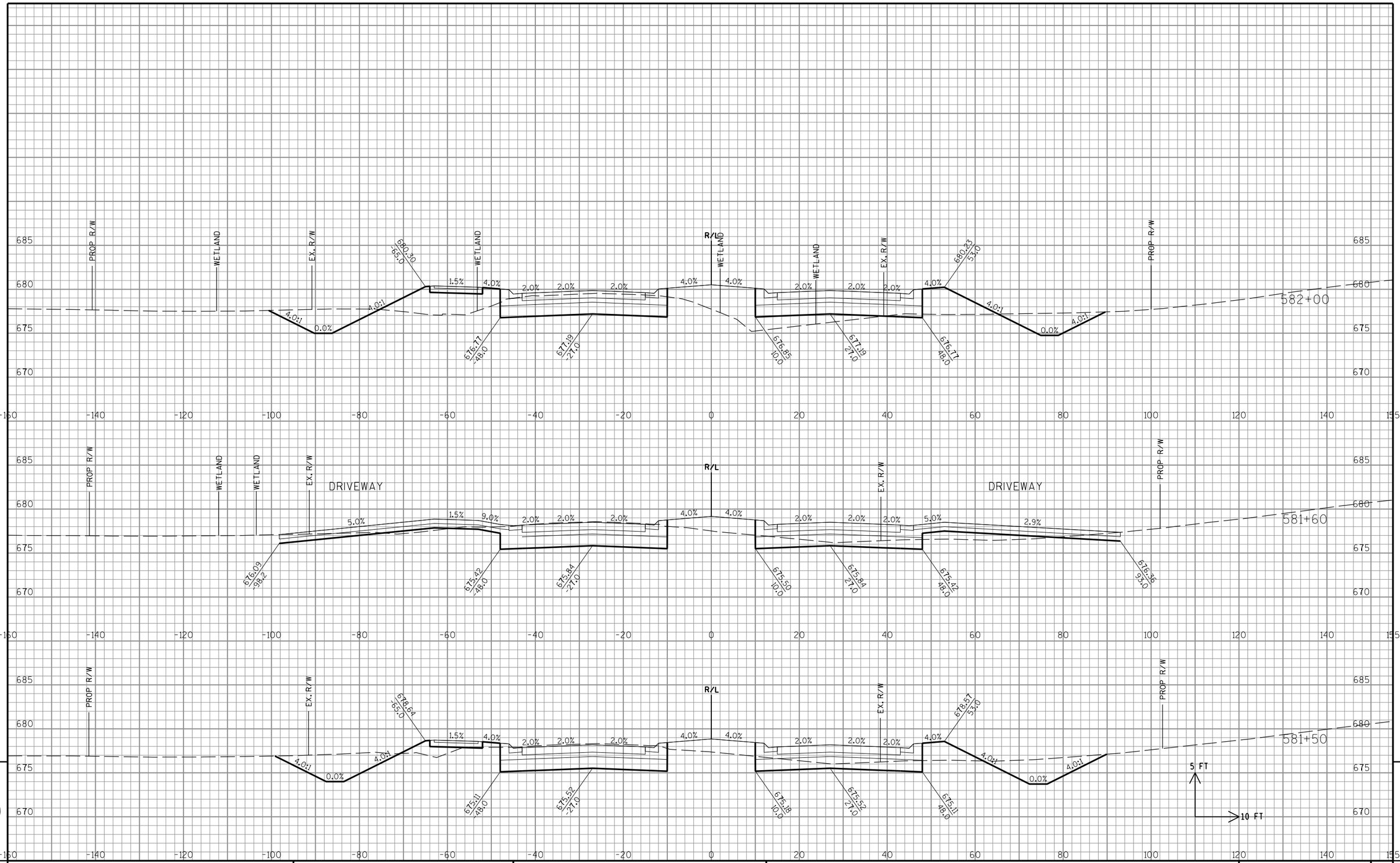


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STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: PRE_394 E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090201_xs_CTHKR.dgn PLOT DATE : 8/14/2019 PLOT BY : ndamro PLOT NAME : PLOT SCALE : 1:20



STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: PRE_395 E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090201_xs_CTHKR.dgn PLOT DATE : 8/14/2019 PLOT BY : ndamro PLOT NAME : PLOT SCALE : 1:20

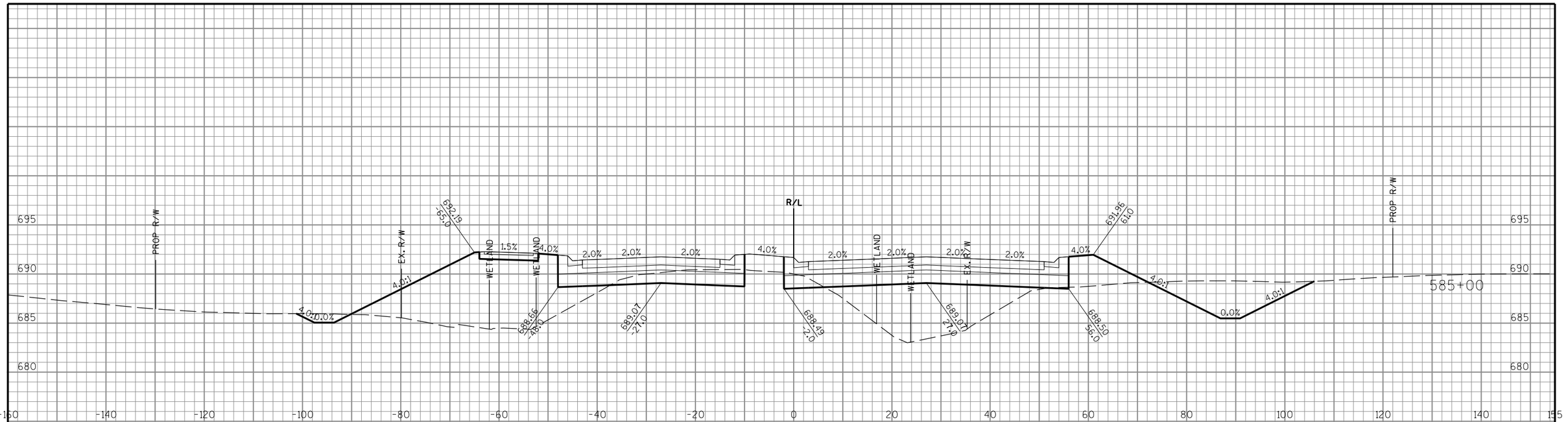
STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: E

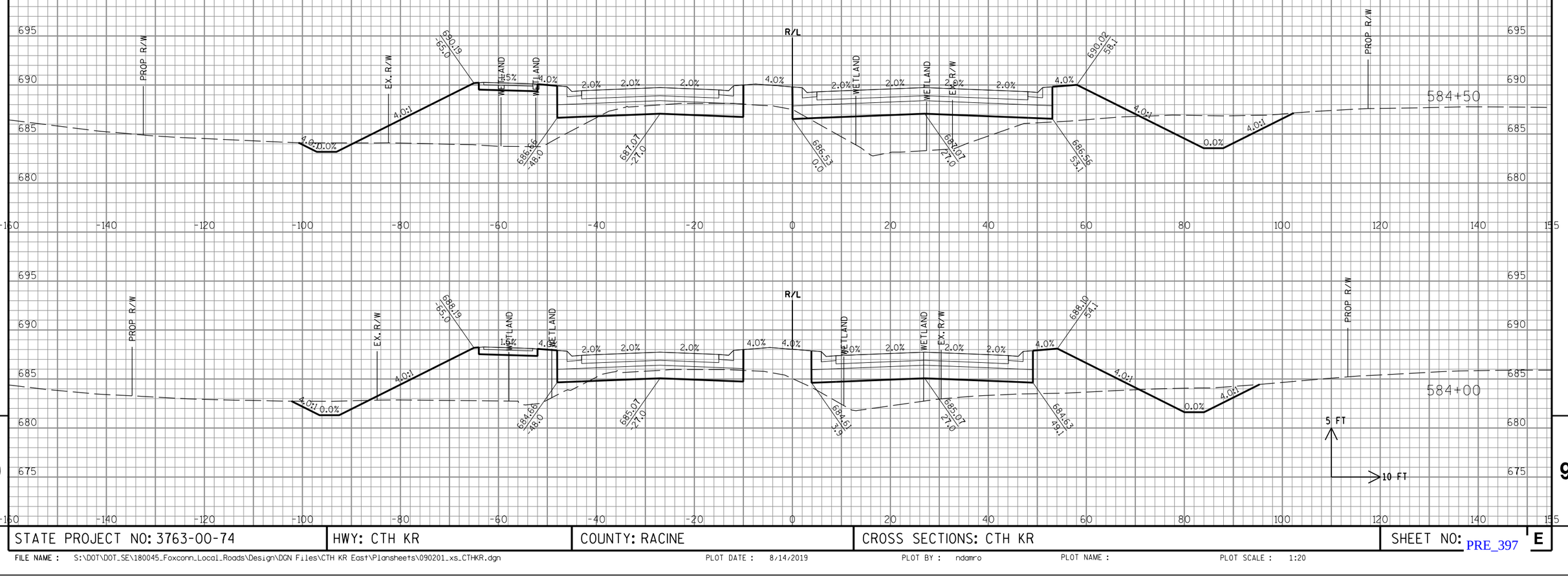
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PRE_396

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STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: PRE_397 E

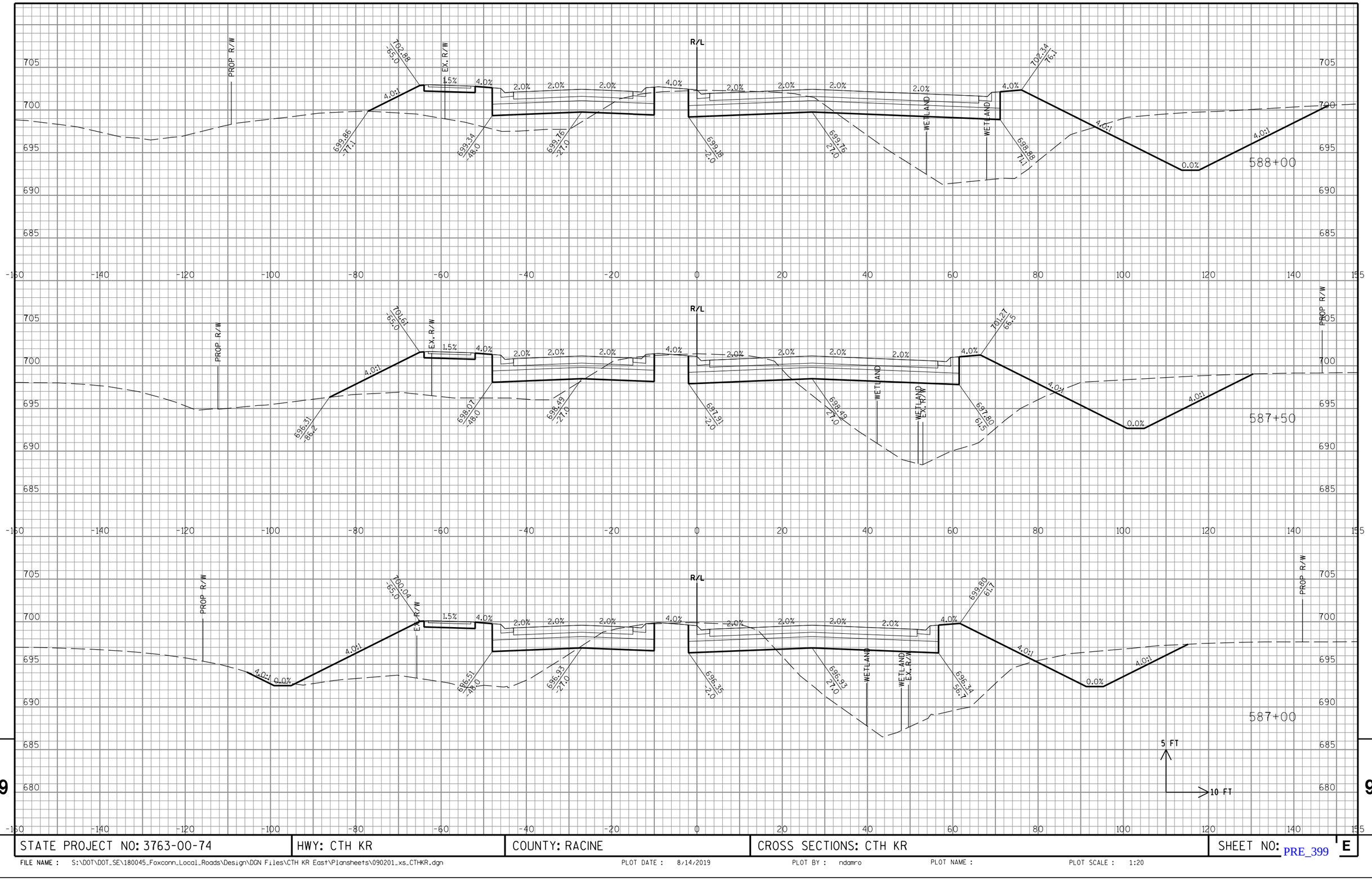
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STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: PRE_398 E

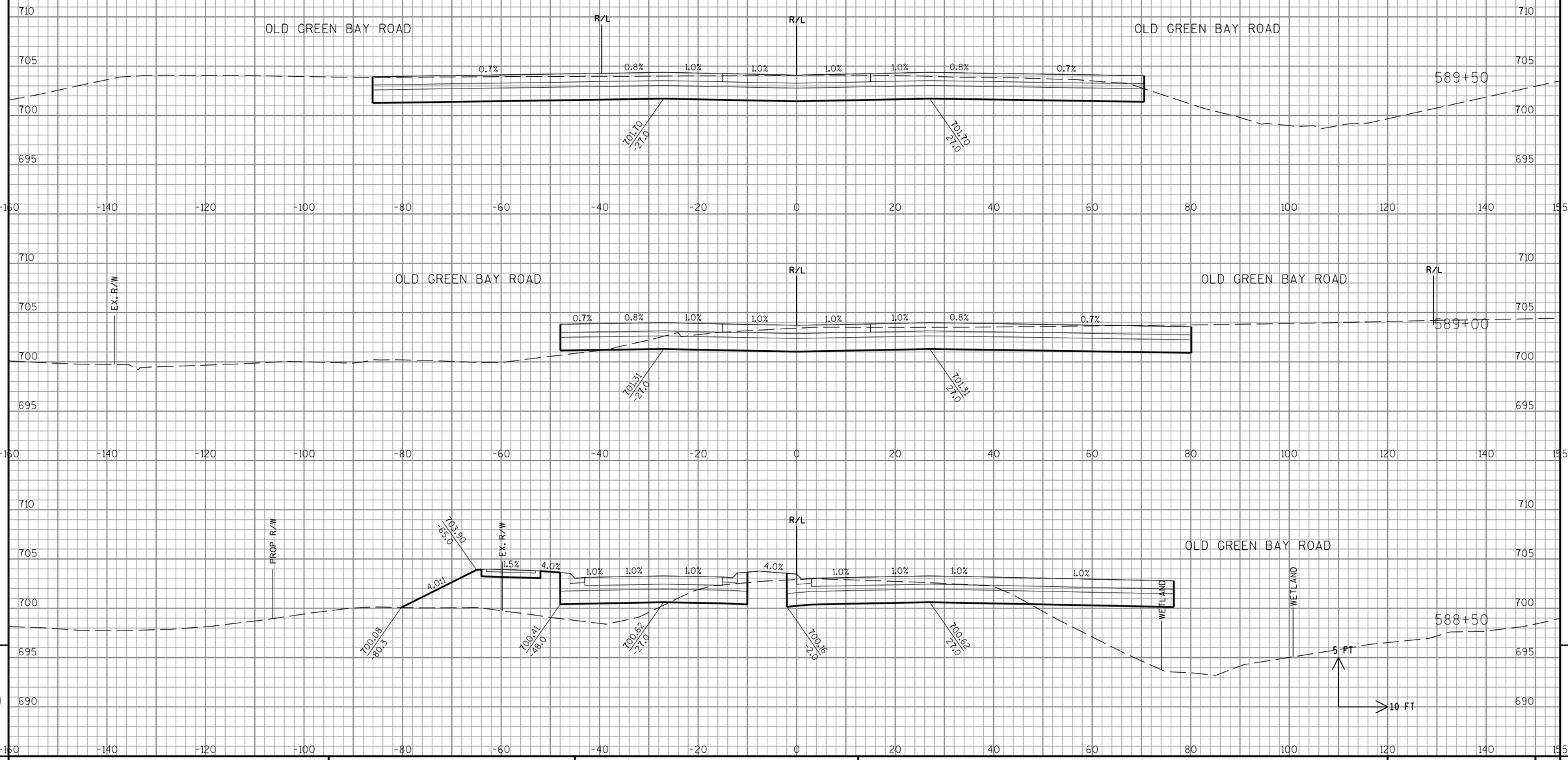
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STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: PRE_399 E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090201_xs_CTHKR.dgn PLOT DATE : 8/14/2019 PLOT BY : ndamro PLOT NAME : PLOT SCALE : 1:20

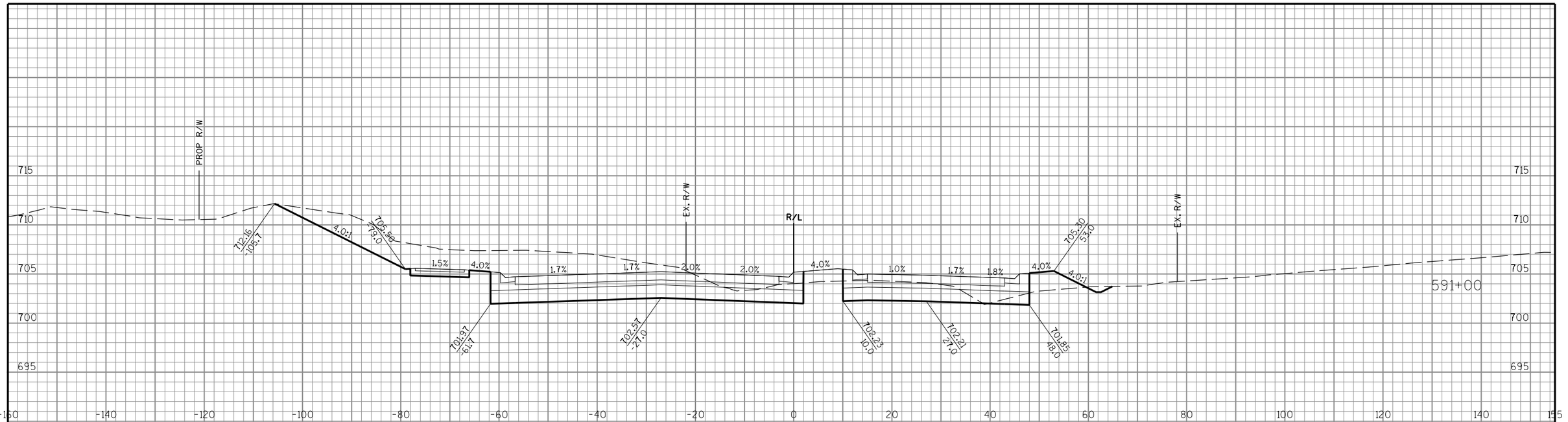


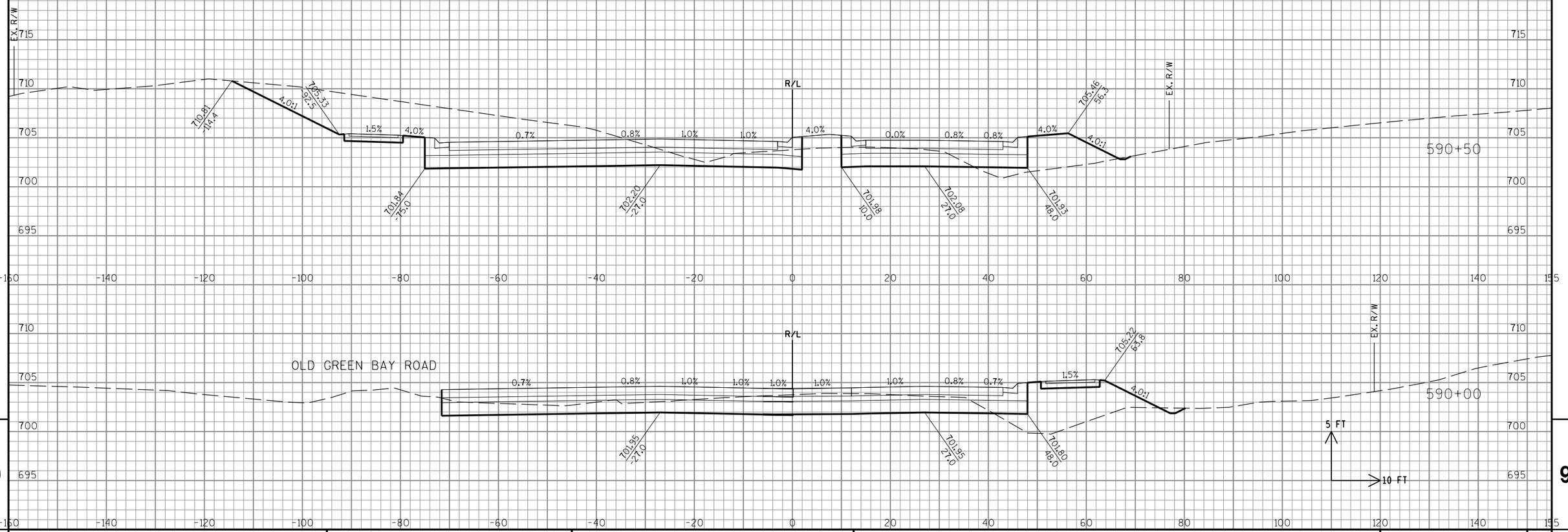
STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090201_xs_CTHKR.dgn PLOT DATE : 8/14/2019 PLOT BY : ndamro PLOT NAME : PRE_400 PLOT SCALE : 1:20

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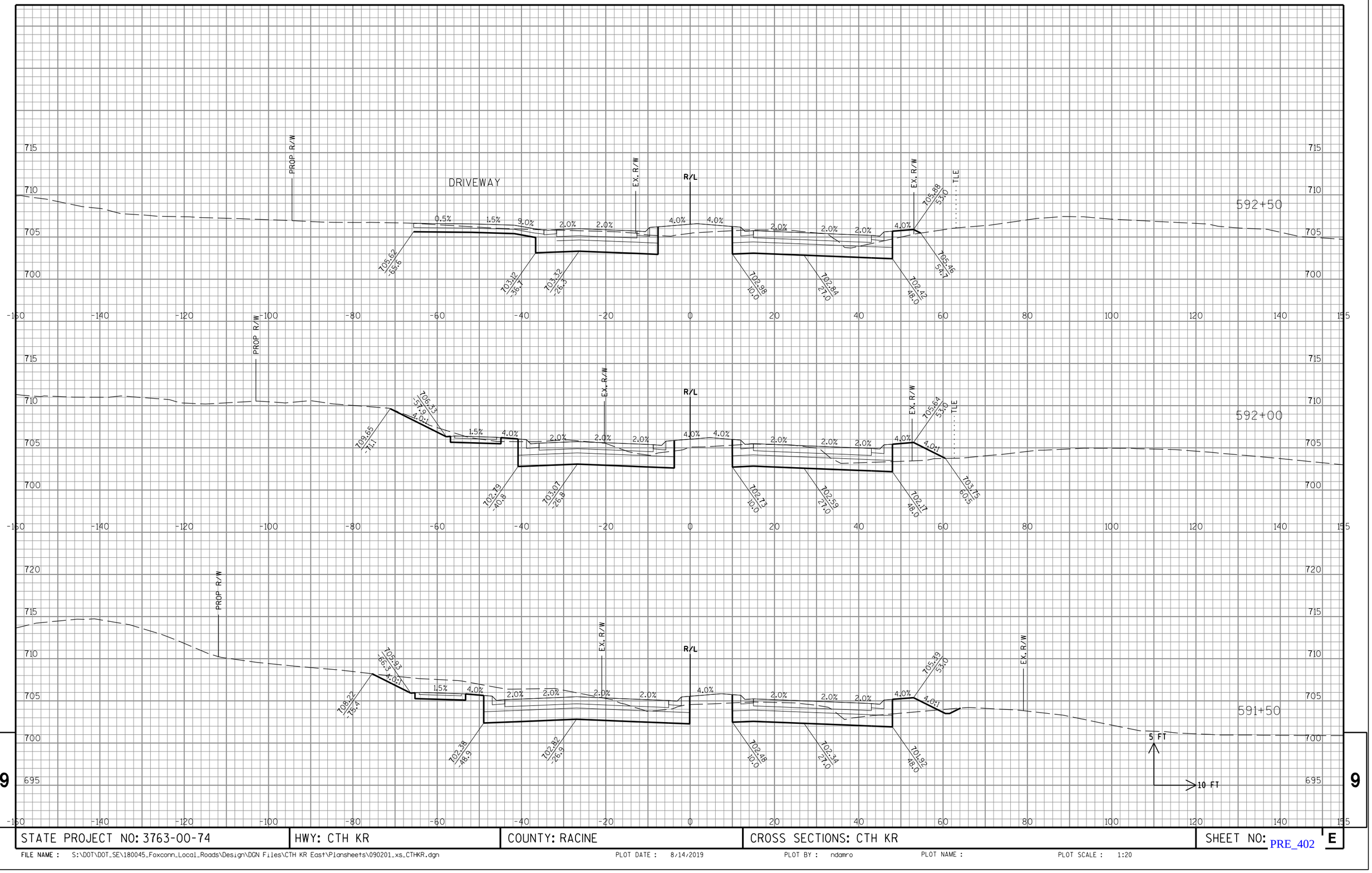




STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090201_xs_CTHKR.dgn PLOT DATE : 8/14/2019 PLOT BY : ndamro PLOT NAME : PLOT SCALE : 1:20

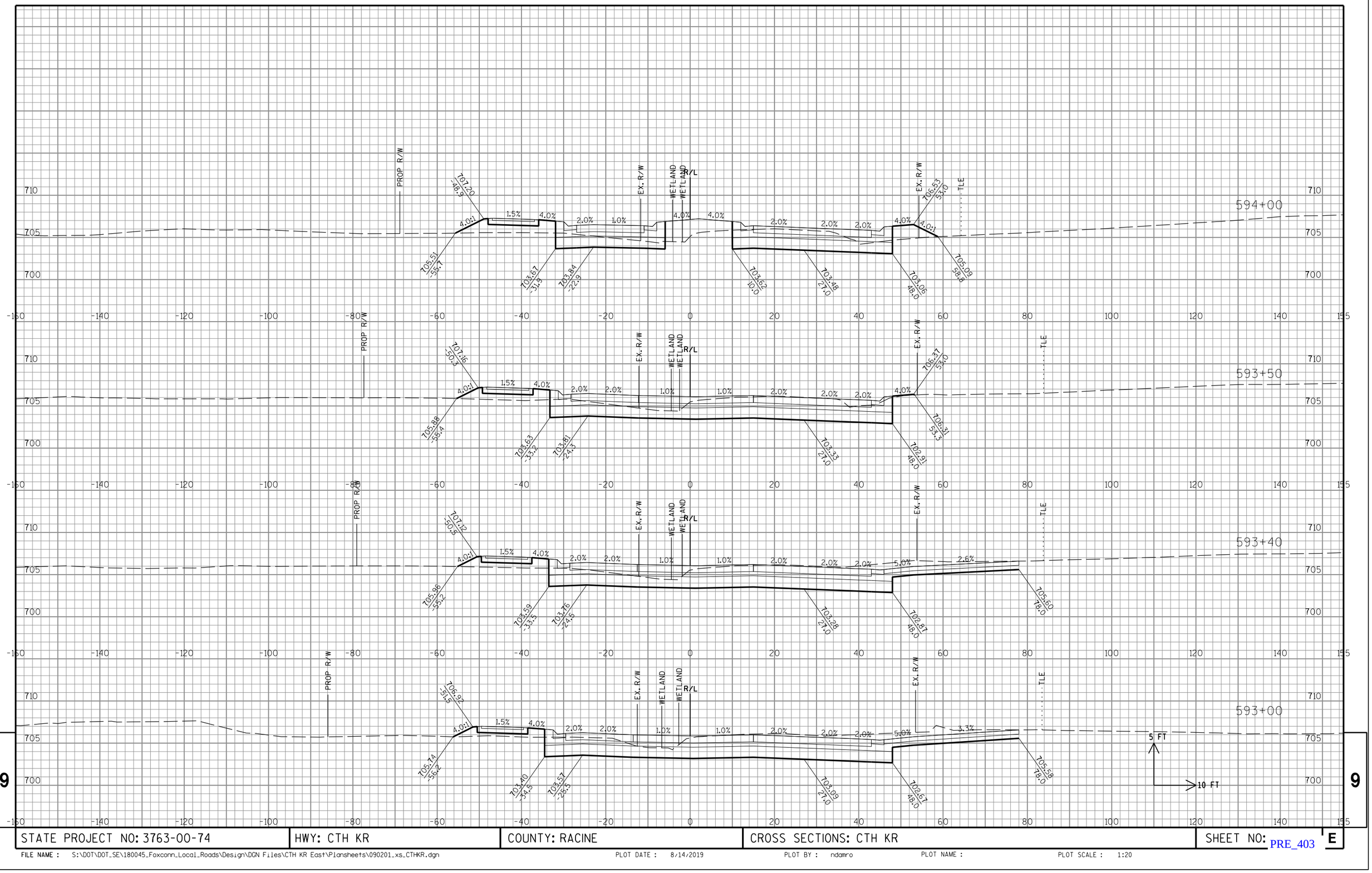
PRE_401



STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090201_xs_CTHKR.dgn PLOT DATE : 8/14/2019 PLOT BY : ndamro PLOT NAME : PLOT SCALE : 1:20

PRE_402

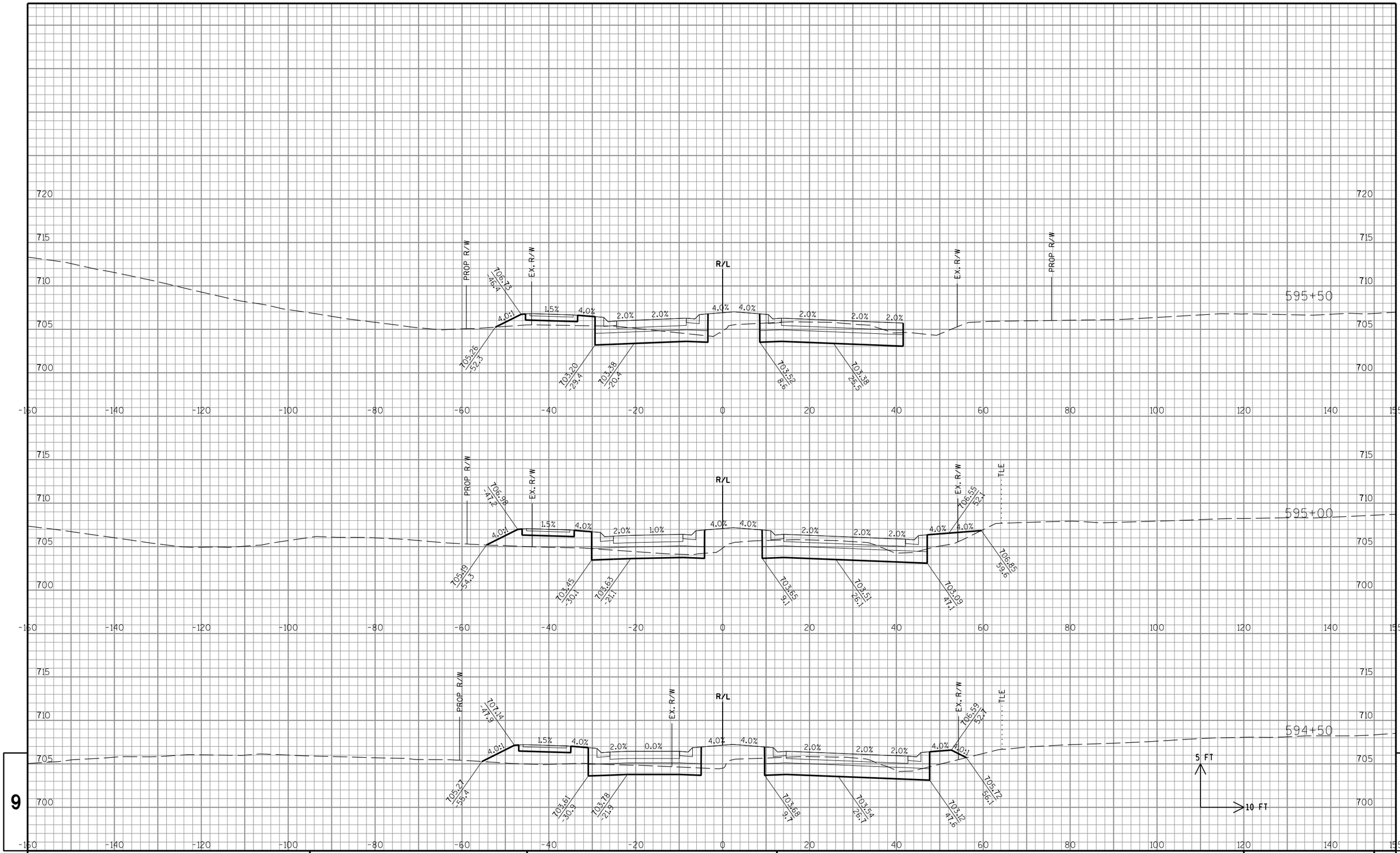


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STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: PRE_403 E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090201_xs_CTHKR.dgn PLOT DATE : 8/14/2019 PLOT BY : ndamro PLOT NAME : PLOT SCALE : 1:20

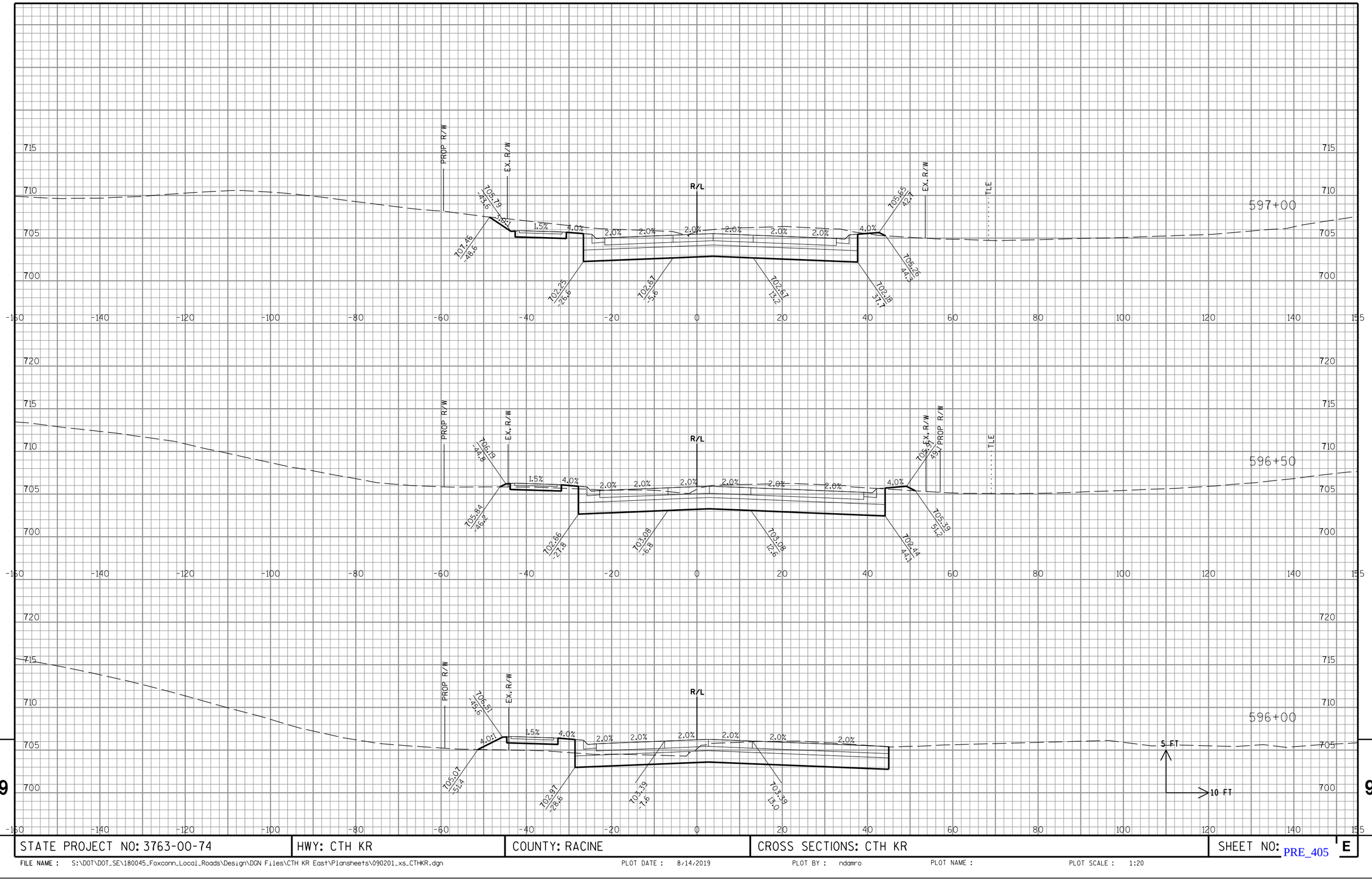
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STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090201_xs_CTHKR.dgn PLOT DATE : 8/14/2019 PLOT BY : ndamro PLOT NAME : PLOT SCALE : 1:20

PRE_404



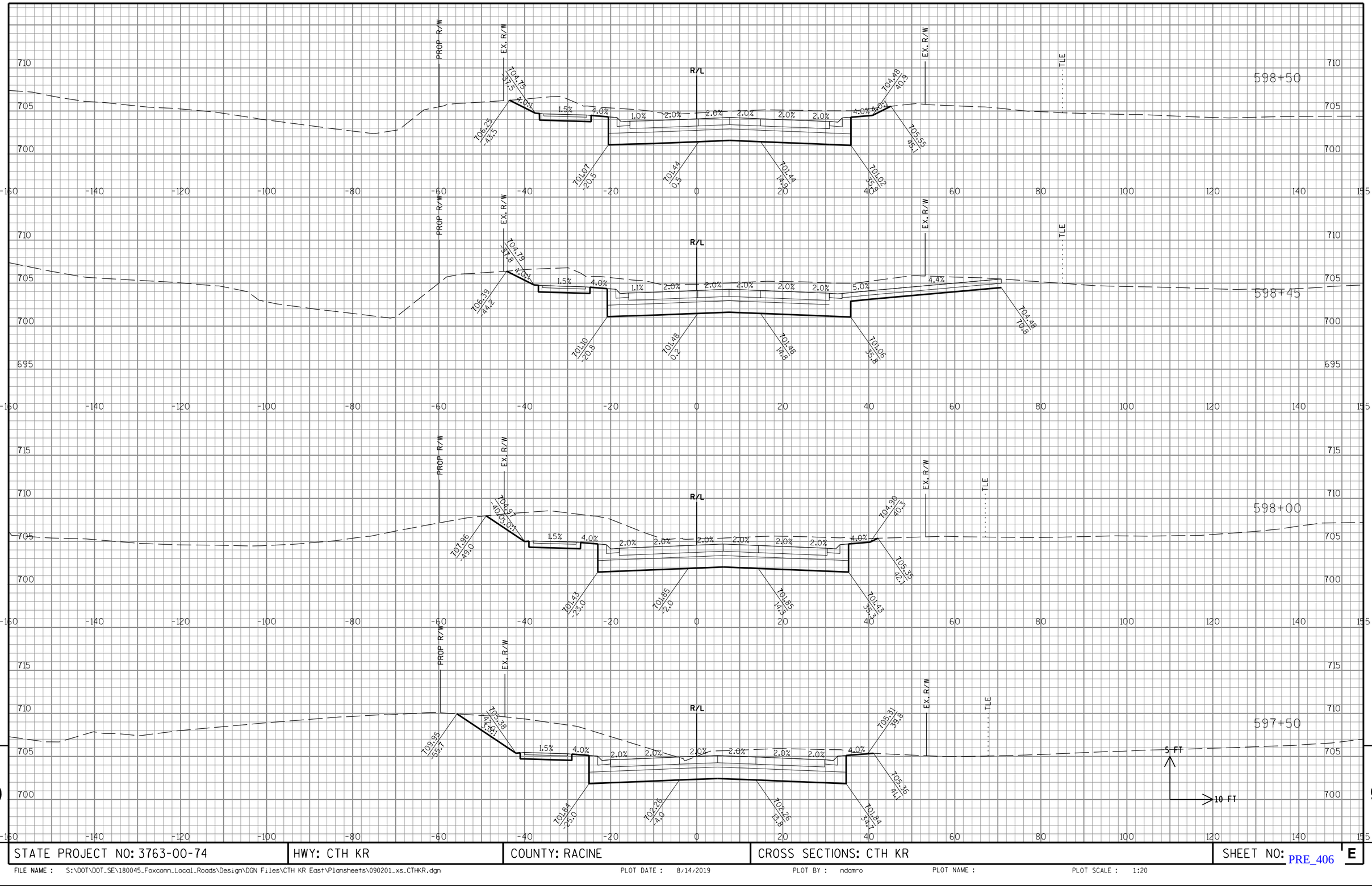
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STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090201_xs_CTHKR.dgn PLOT DATE : 8/14/2019 PLOT BY : ndamro PLOT NAME : PLOT SCALE : 1:20

PRE_405



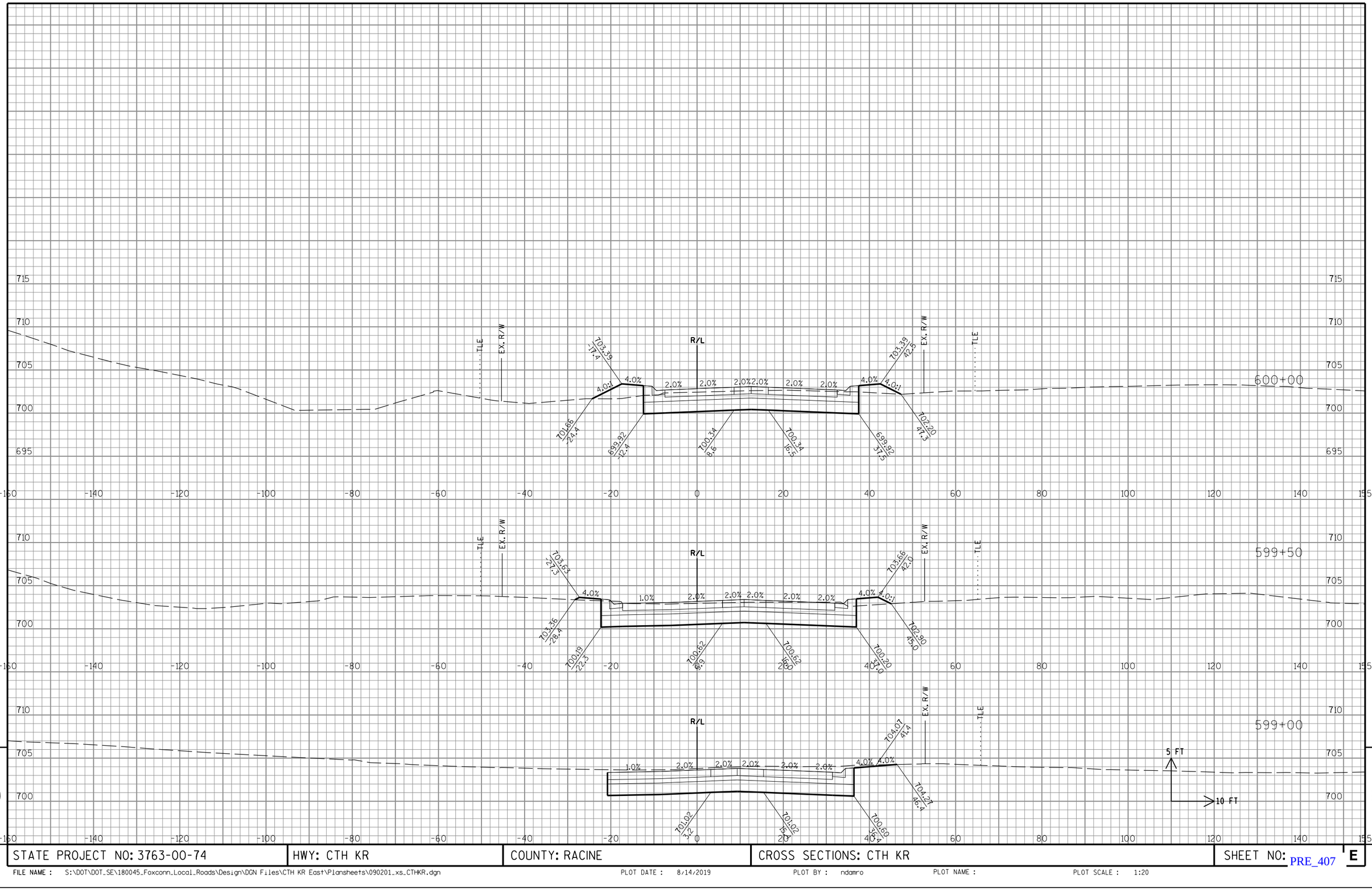
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STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: E

PRE_406

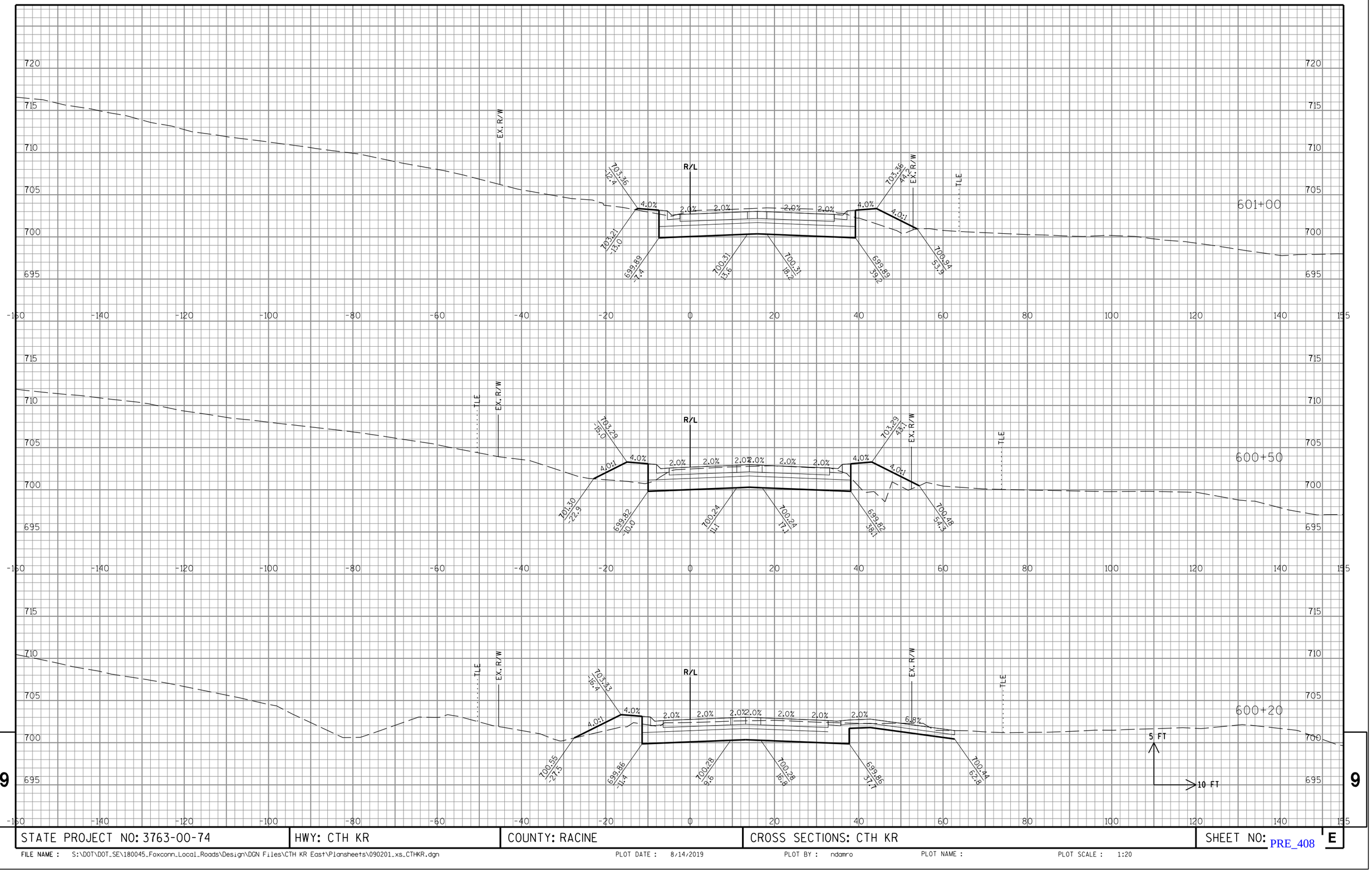
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STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: PRE_407 E

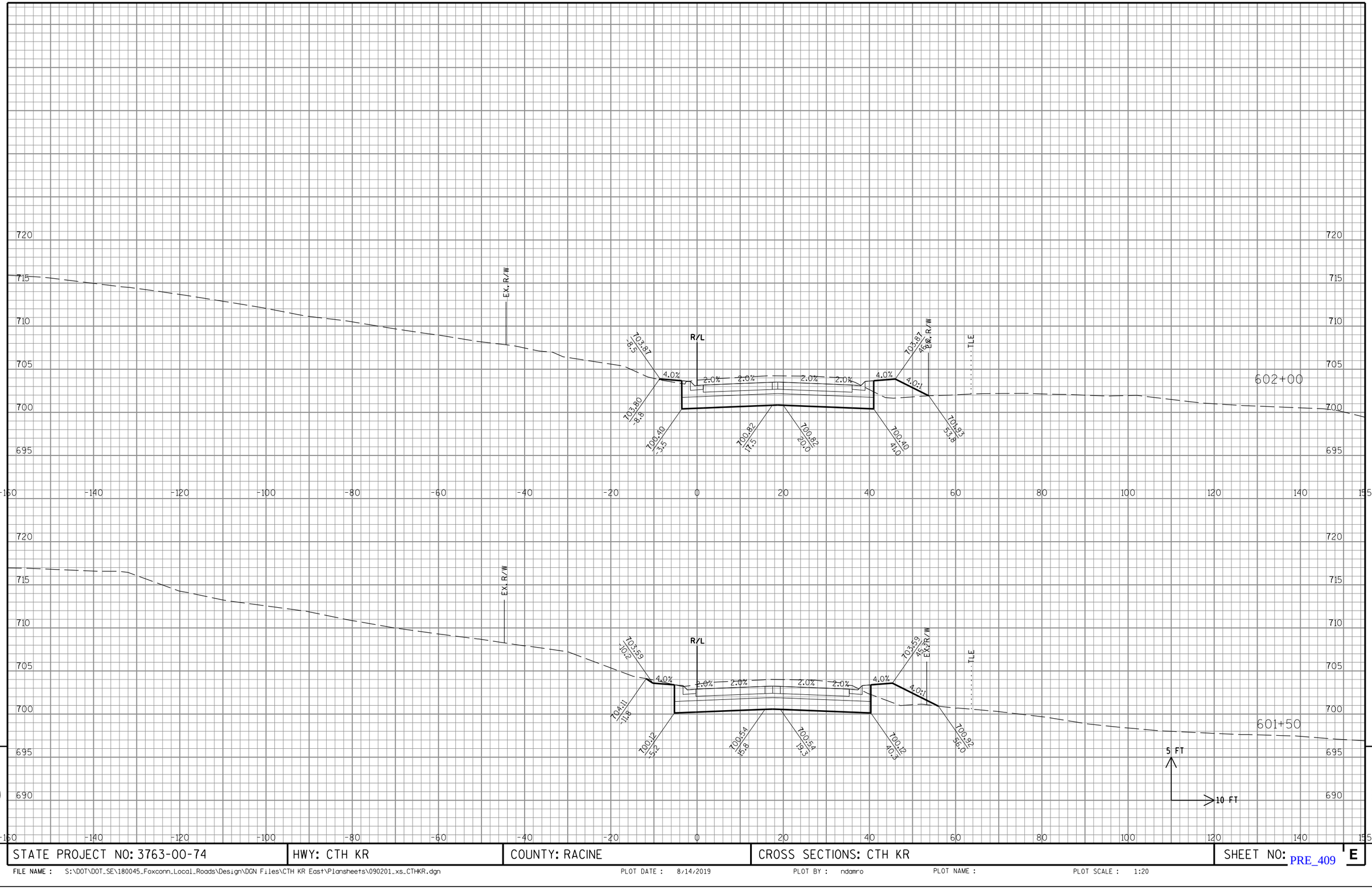
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STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: E

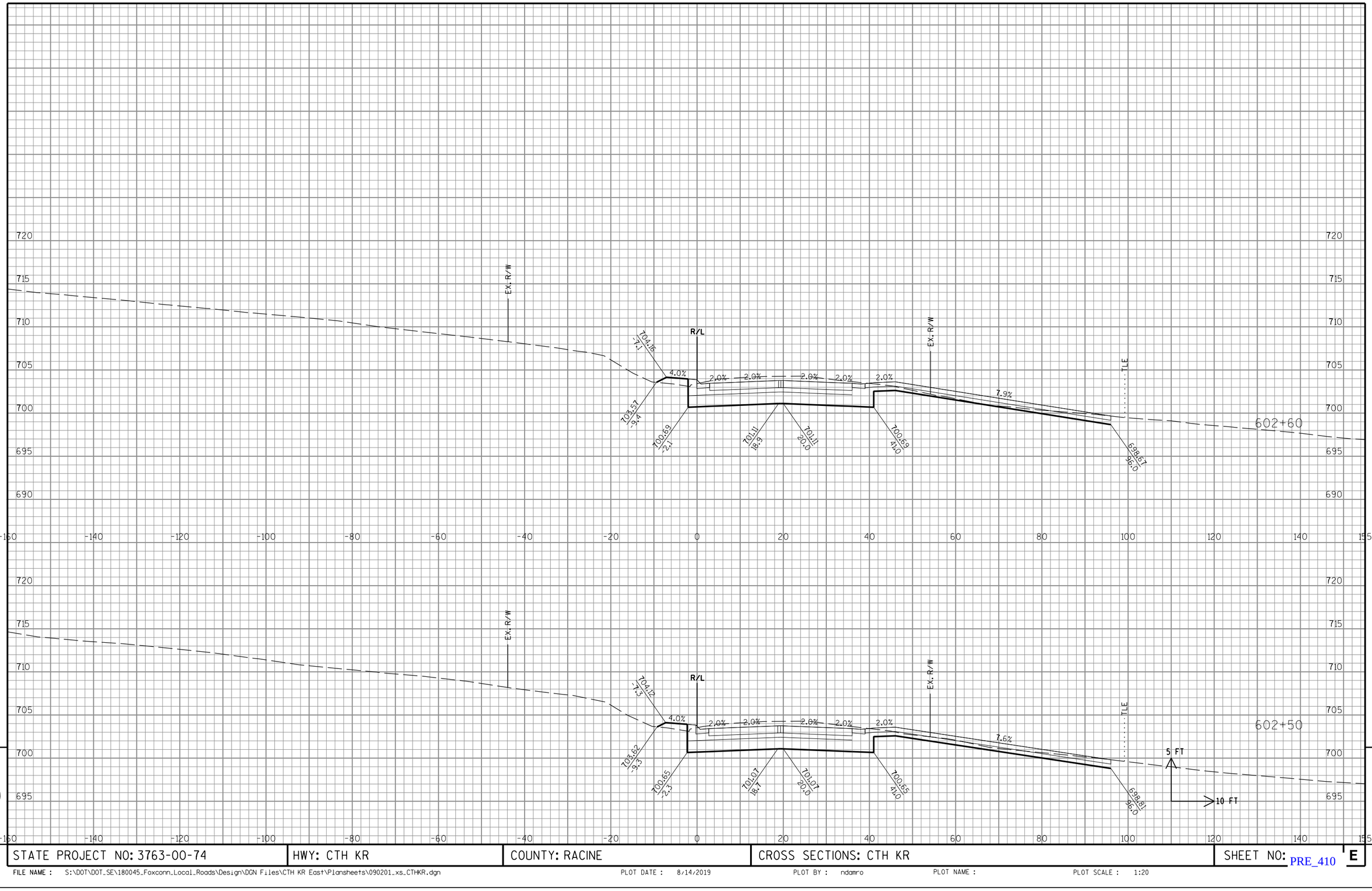
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PRE_408



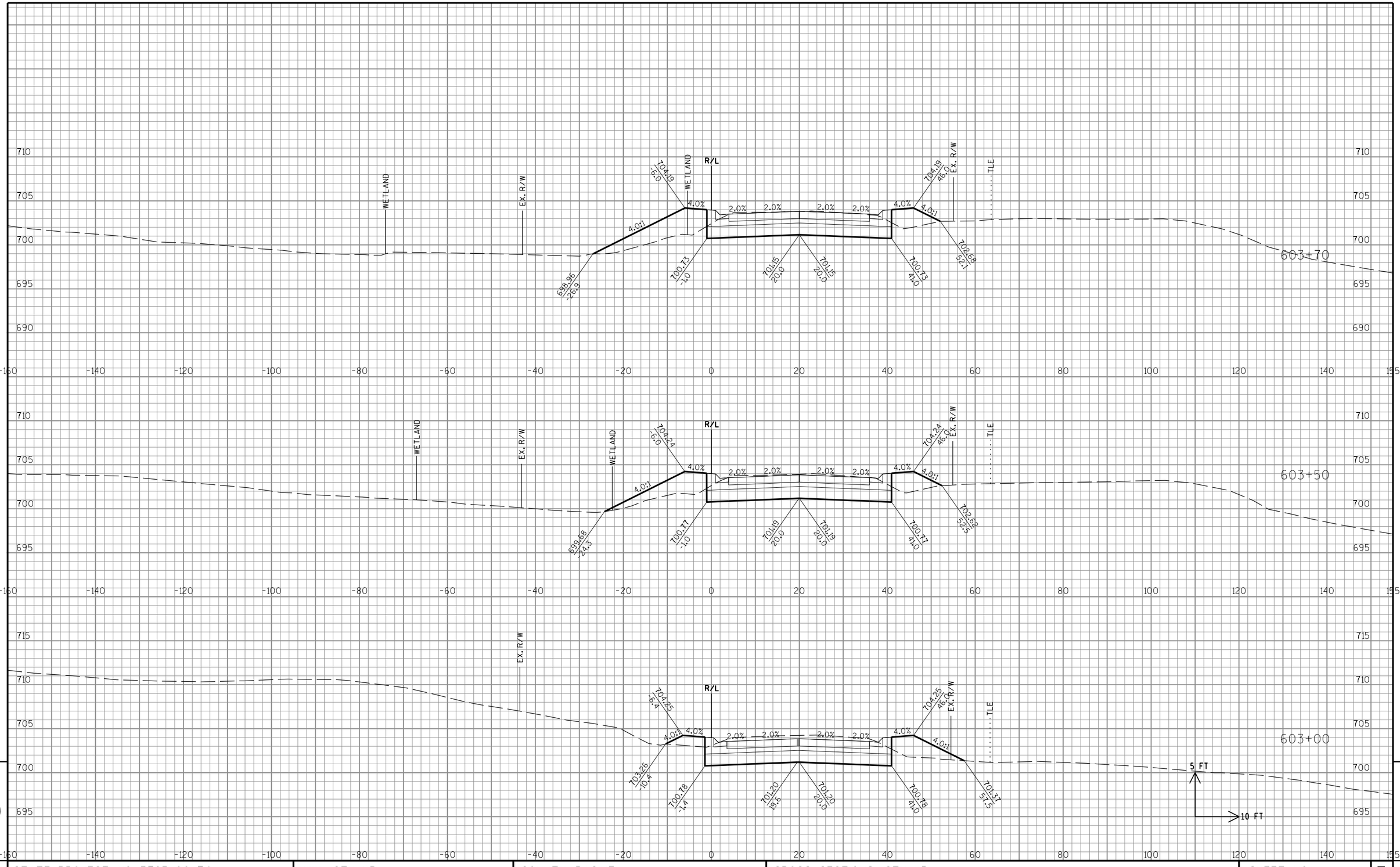
STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: PRE_409 E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090201_xs_CTHKR.dgn PLOT DATE : 8/14/2019 PLOT BY : ndamro PLOT NAME : PLOT SCALE : 1:20



STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: PRE_410 E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090201_xs_CTHKR.dgn PLOT DATE : 8/14/2019 PLOT BY : ndamro PLOT NAME : PLOT SCALE : 1:20

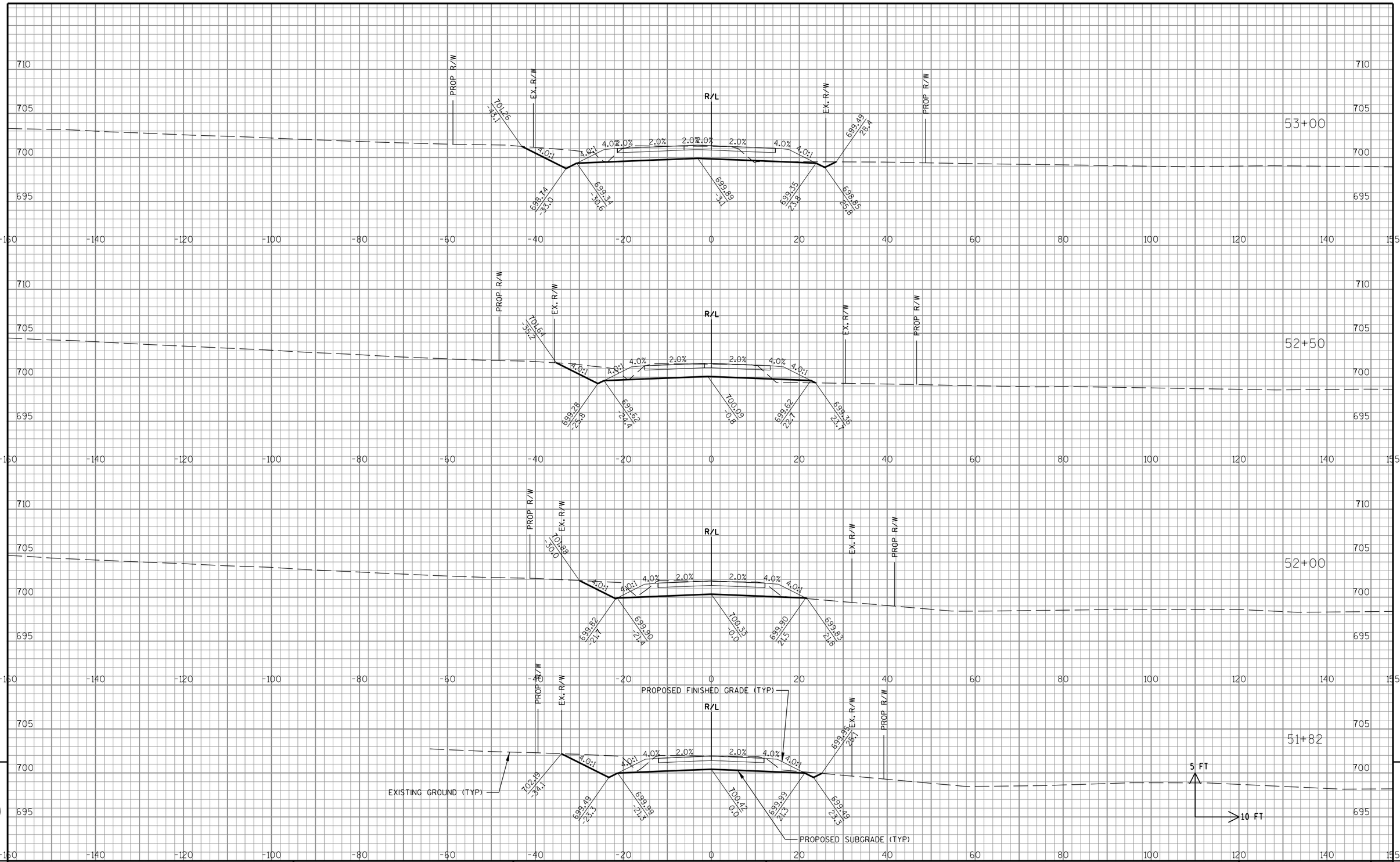


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STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: CTH KR	SHEET NO: PRE_411 E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090201_xs_CTHKR.dgn PLOT DATE : 8/14/2019 PLOT BY : ndamro PLOT NAME : PLOT SCALE : 1:20



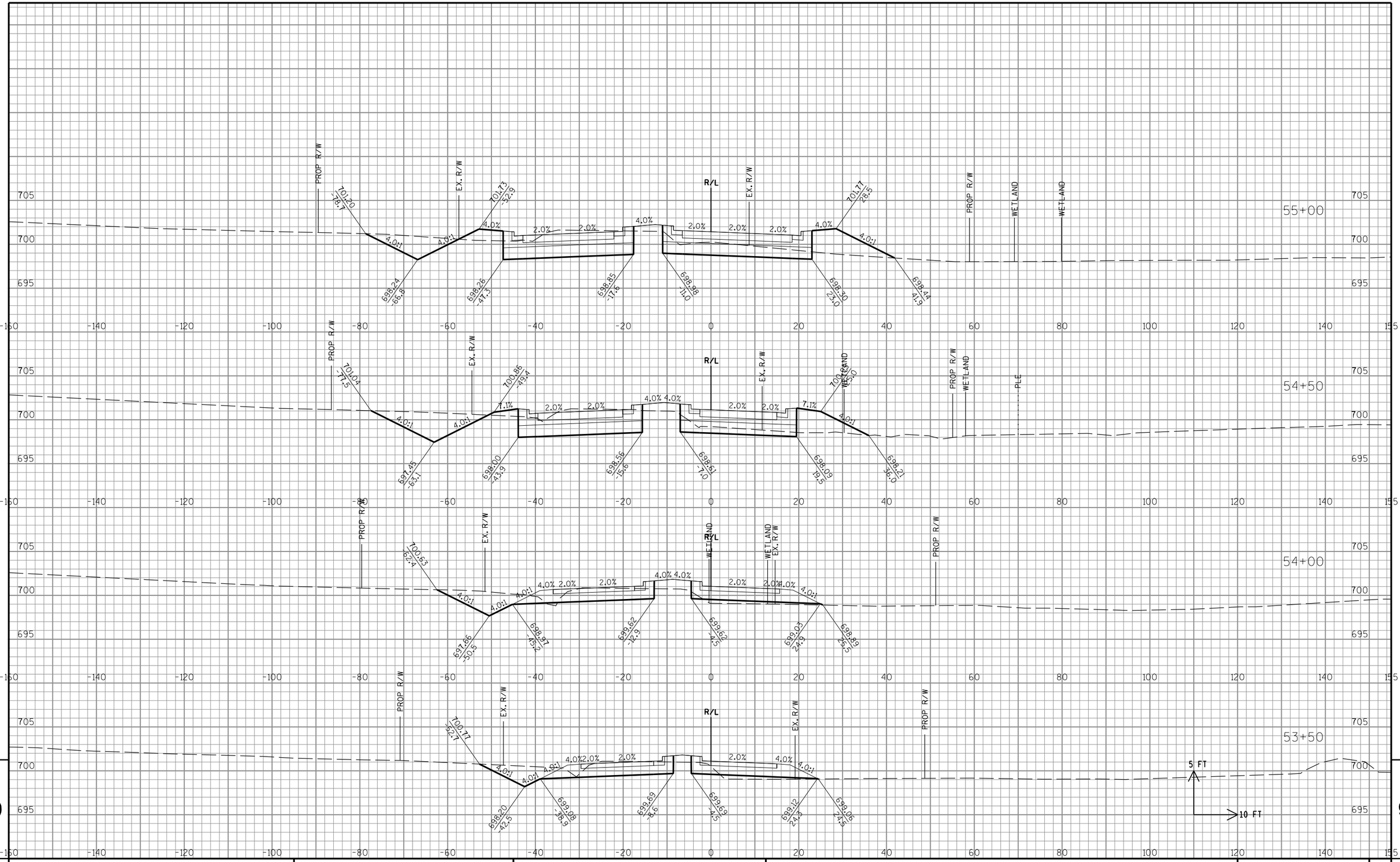
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STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: 72ND AVENUE	SHEET NO: E

PRE_412

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090202_xs_72-90.dgn PLOT DATE : 8/28/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:20



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STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: 72ND AVENUE	SHEET NO: PRE_413 E

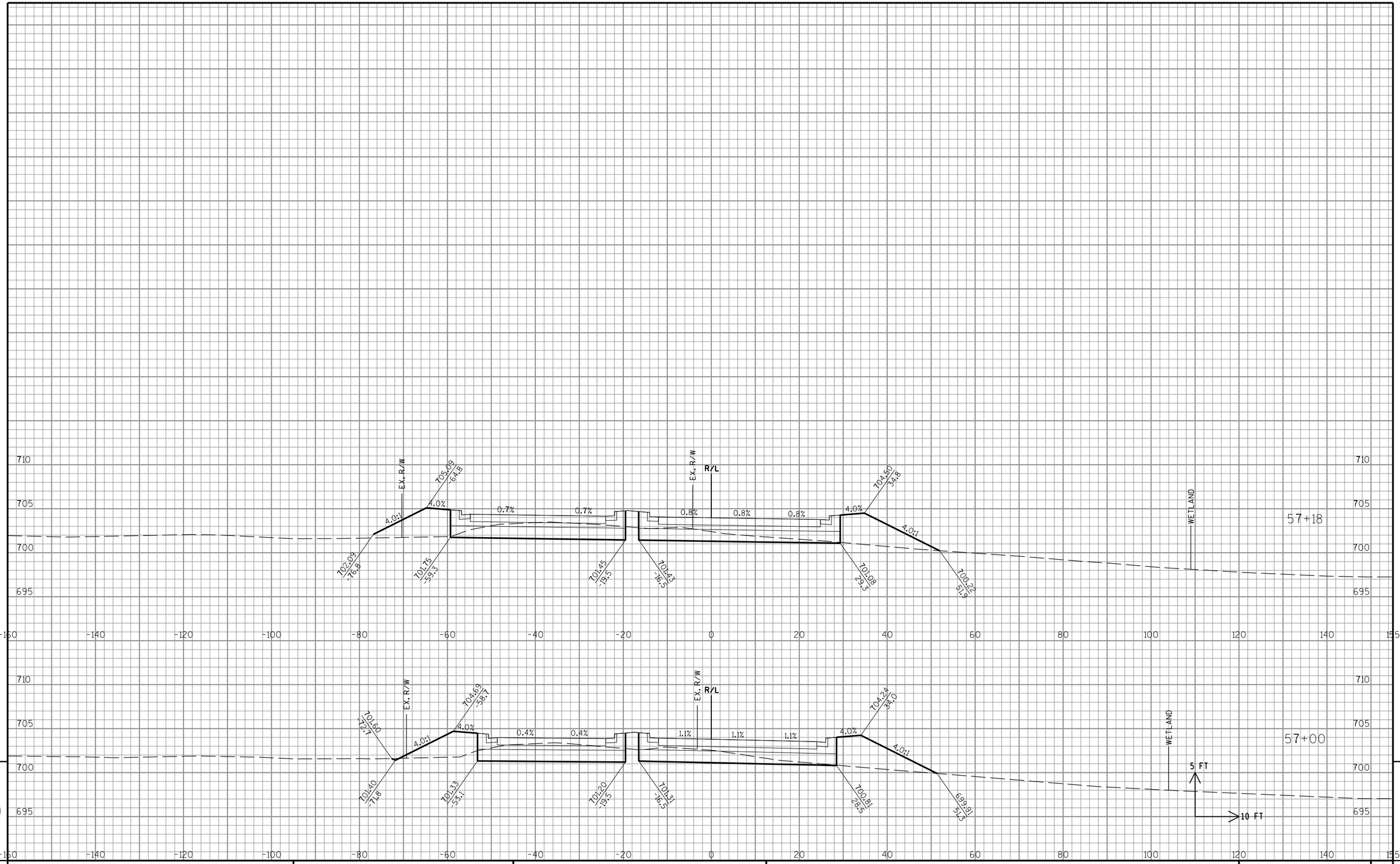
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STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: 72ND AVENUE	SHEET NO: E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090202_xs_72-90.dgn PLOT DATE : 8/28/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:20

PRE_414



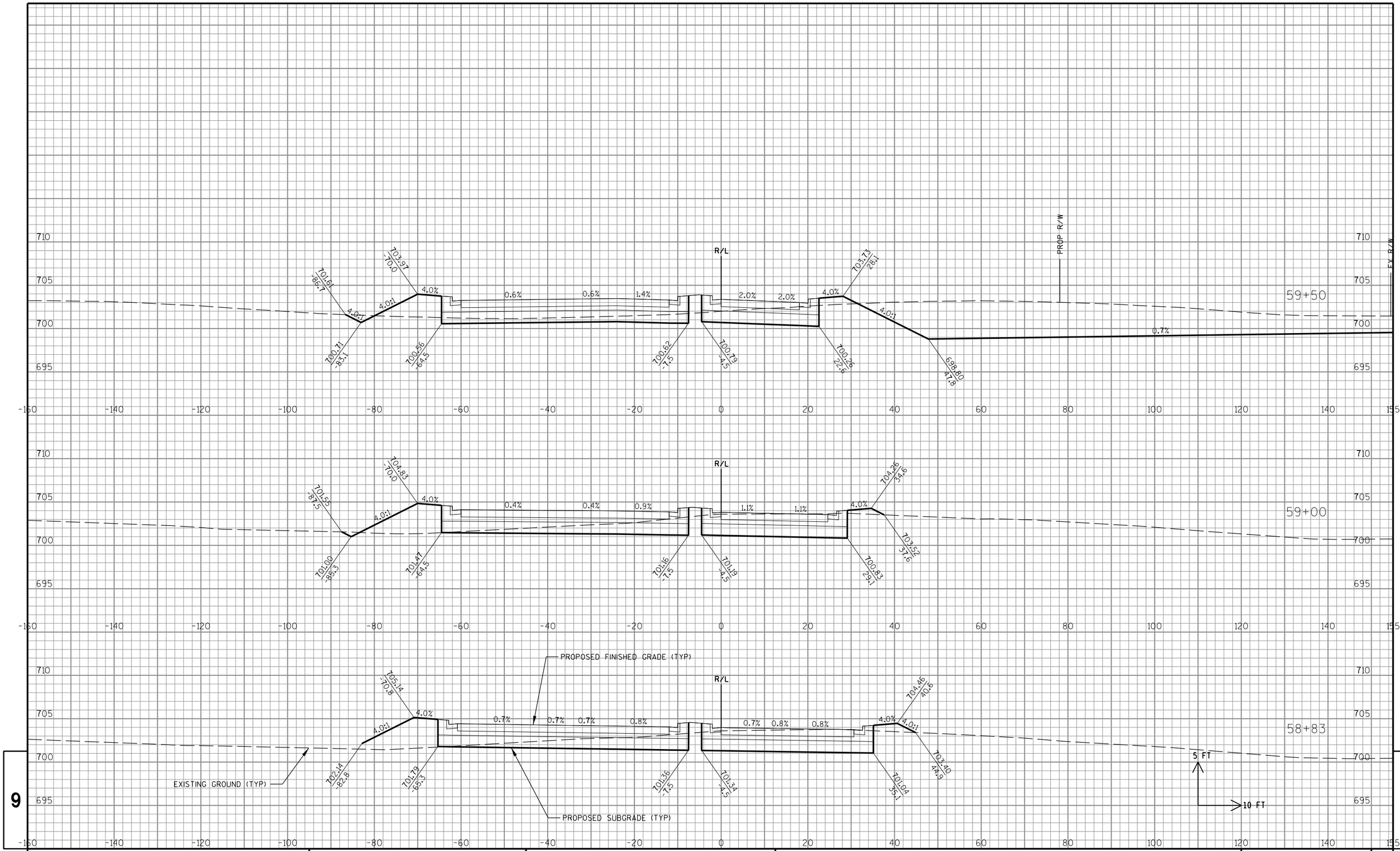
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STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: 72ND AVENUE	SHEET NO: E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090202_xs_72-90.dgn PLOT DATE : 8/28/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:20

PRE_415



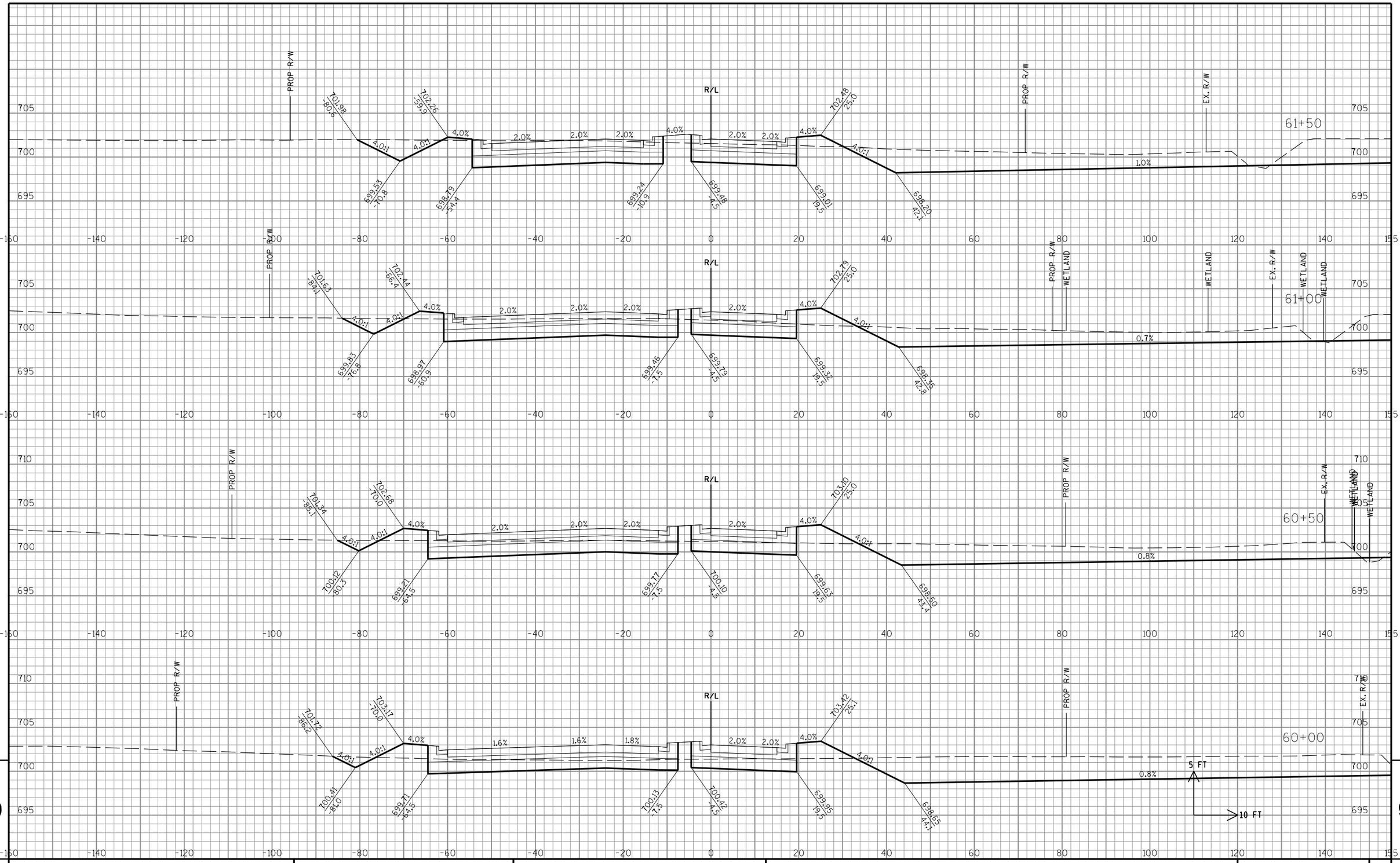
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STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: 90TH STREET	SHEET NO: E

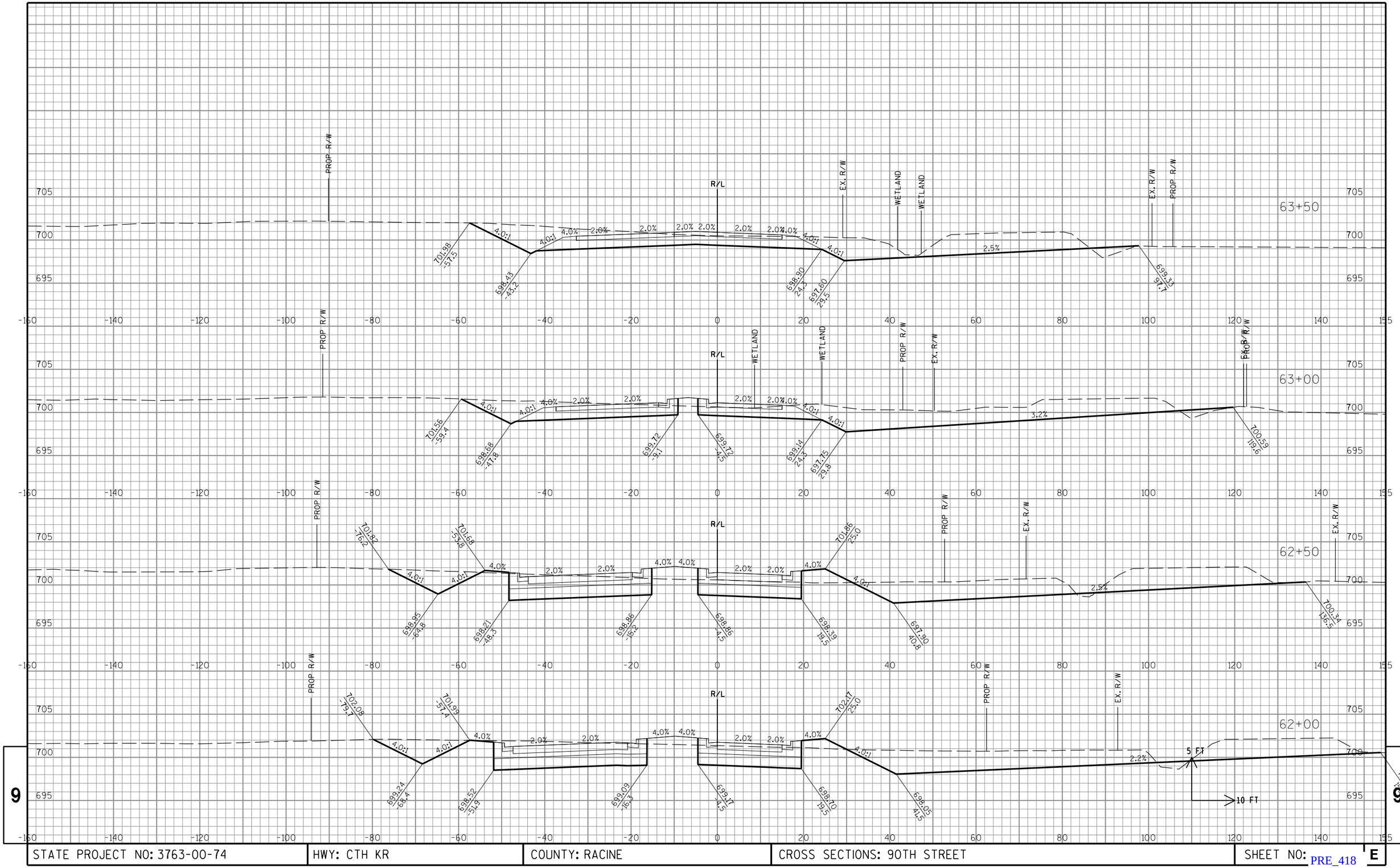
PRE_416

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090202_xs_72-90.dgn PLOT DATE : 8/28/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:20



STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: 90TH STREET	SHEET NO: PRE_417 E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090202_xs_72-90.dgn PLOT DATE : 8/28/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:20



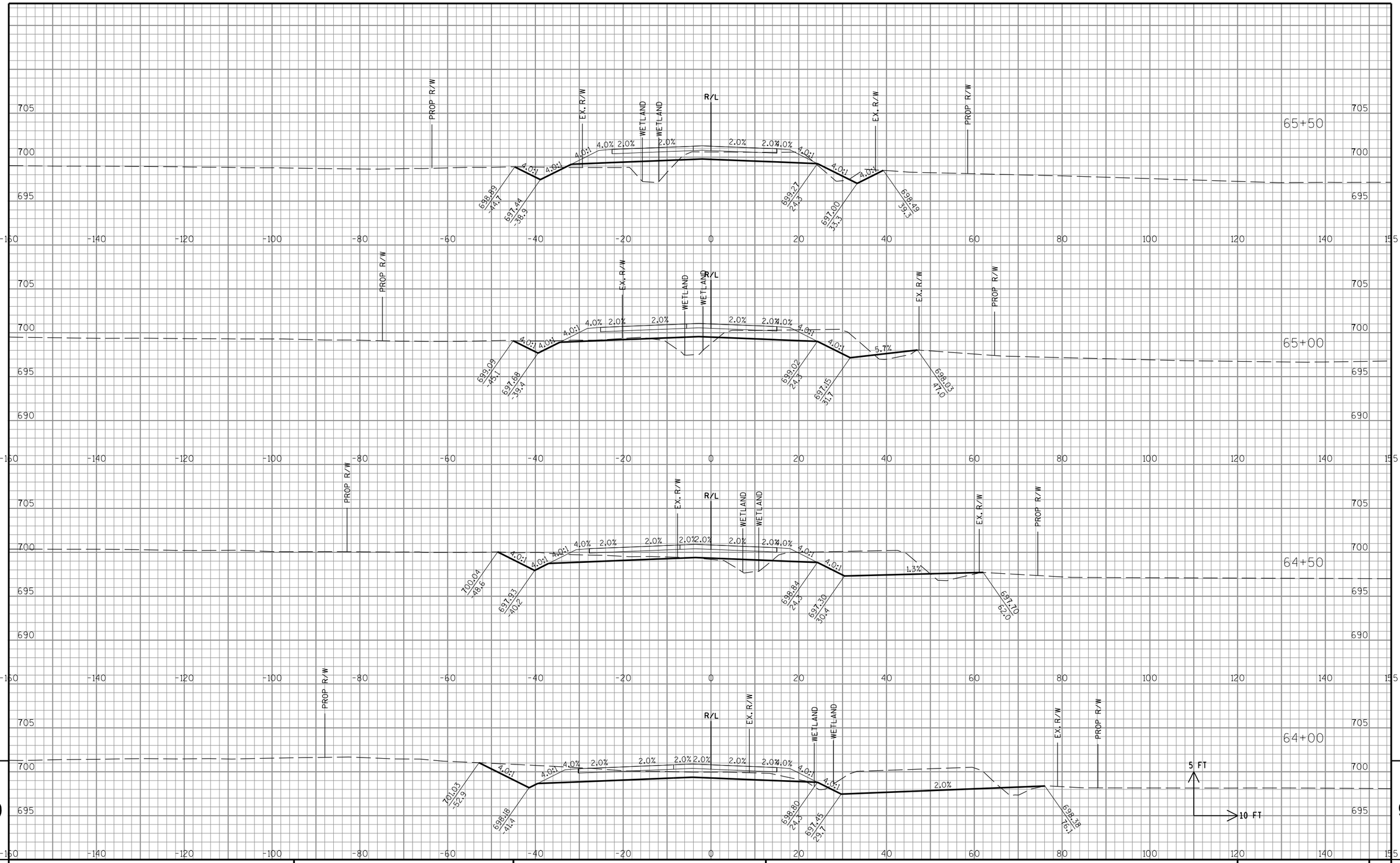
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STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: 90TH STREET	SHEET NO: E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090202_xs_72-90.dgn PLOT DATE : 8/28/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:20

PRE_418



STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: 90TH STREET	SHEET NO: E

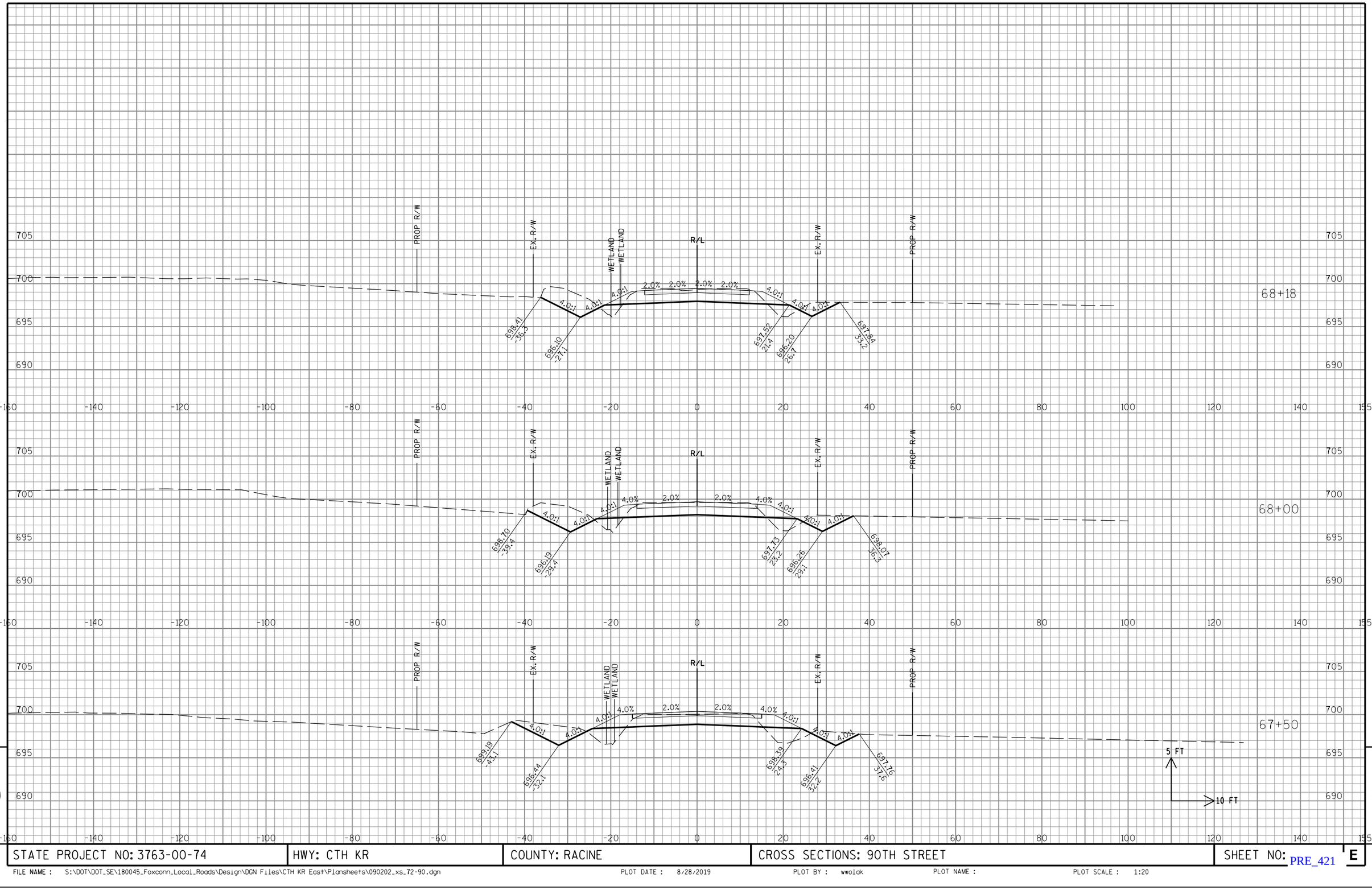
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PRE_419

STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: 90TH STREET	SHEET NO: E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090202_xs_72-90.dgn PLOT DATE : 8/28/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:20

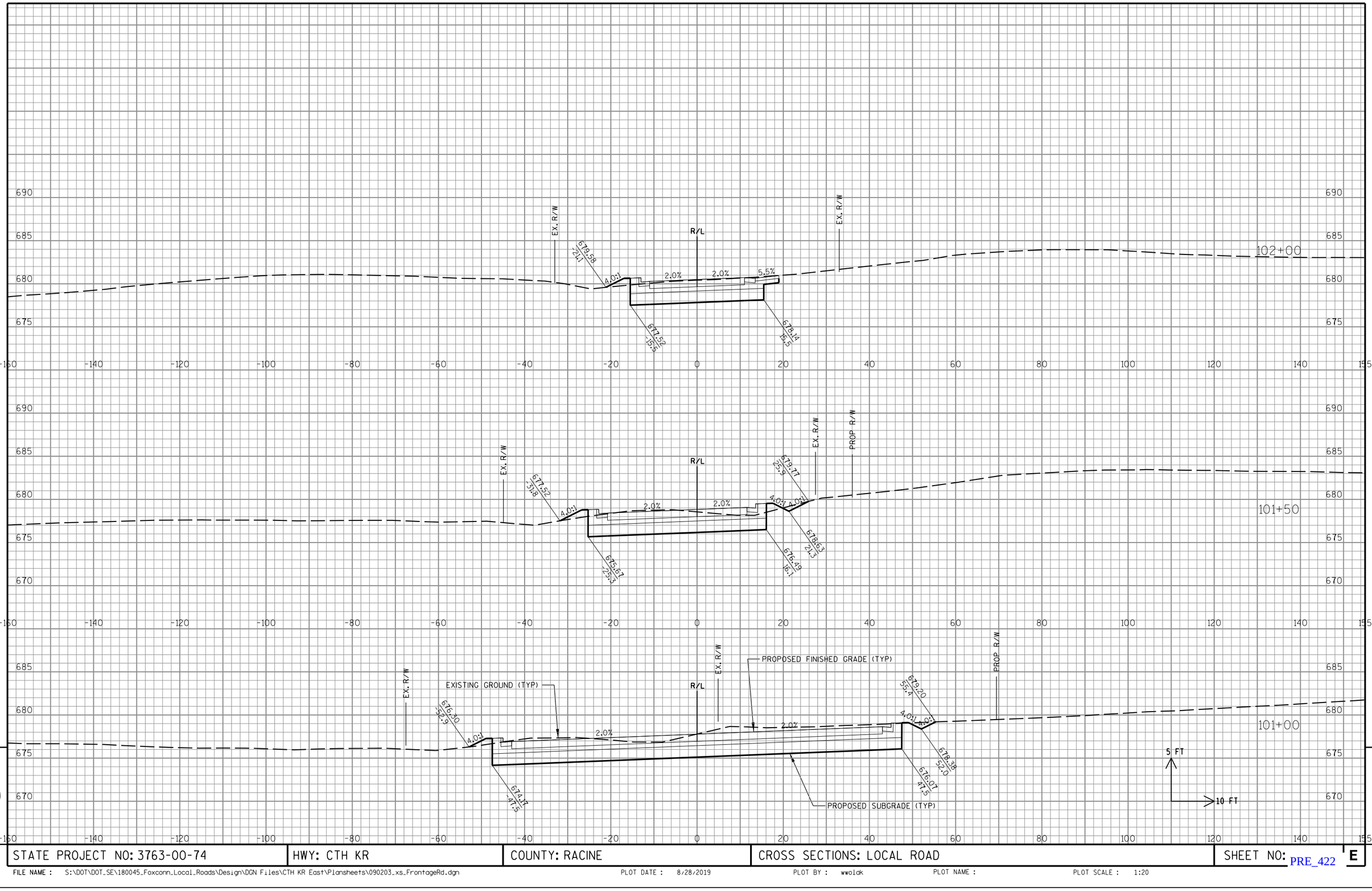
PRE_420



STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: 90TH STREET	SHEET NO: E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090202_xs_72-90.dgn PLOT DATE : 8/28/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:20

PRE_421

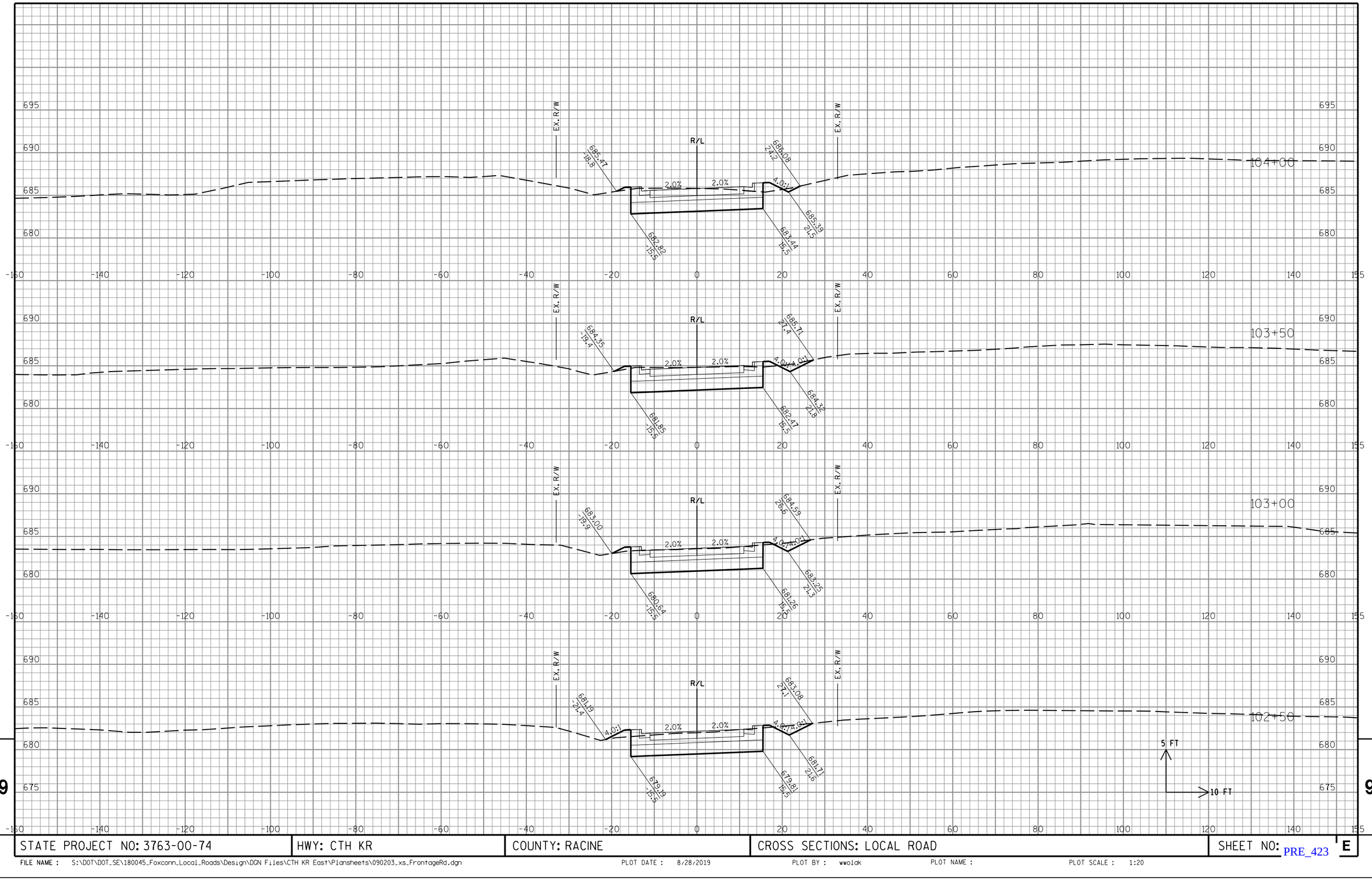


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9

STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: LOCAL ROAD	SHEET NO: PRE_422 E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090203_xs_FrontageRd.dgn PLOT DATE : 8/28/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:20

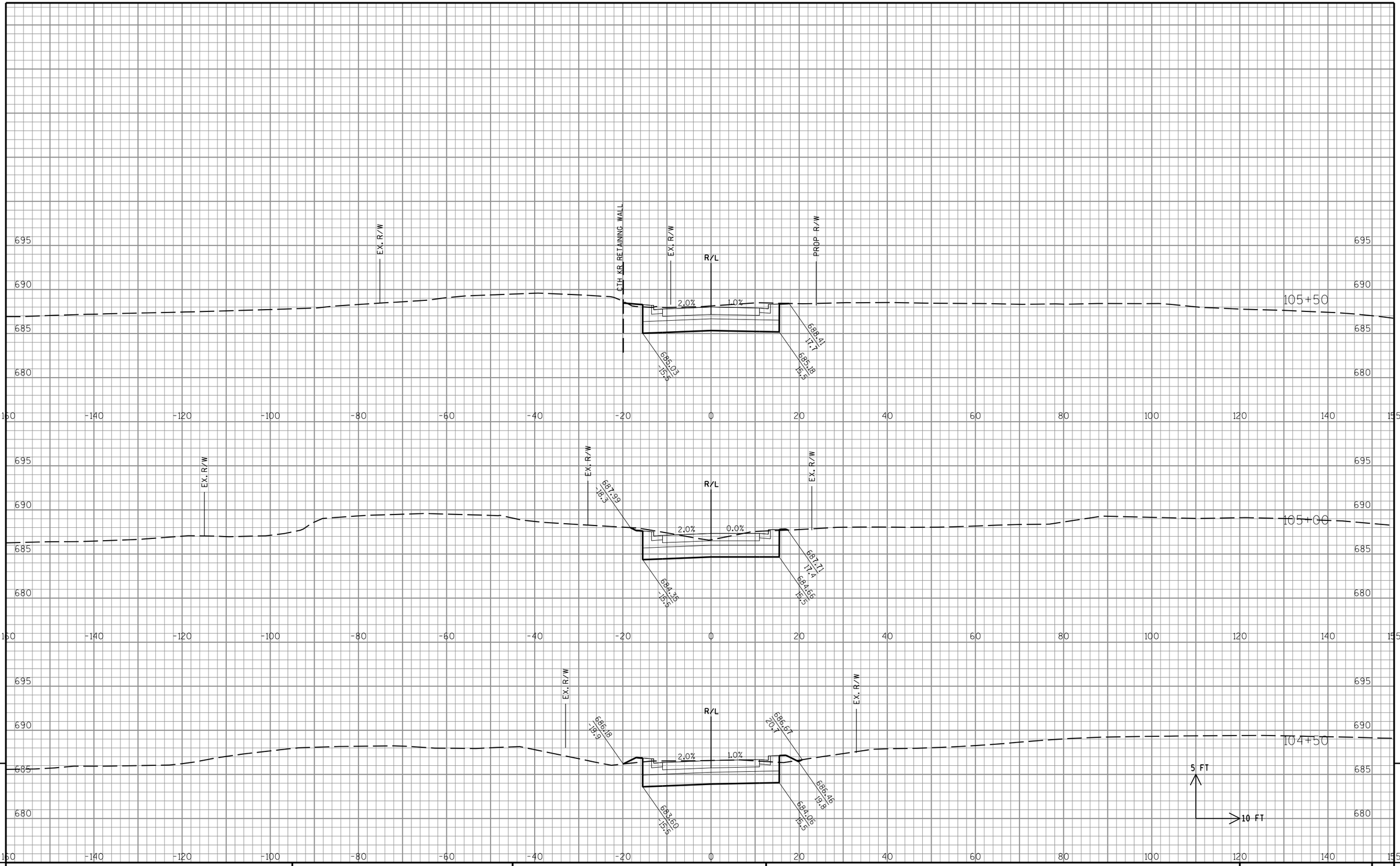


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STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: LOCAL ROAD	SHEET NO: PRE_423 E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090203_xs_FrontageRd.dgn PLOT DATE : 8/28/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:20



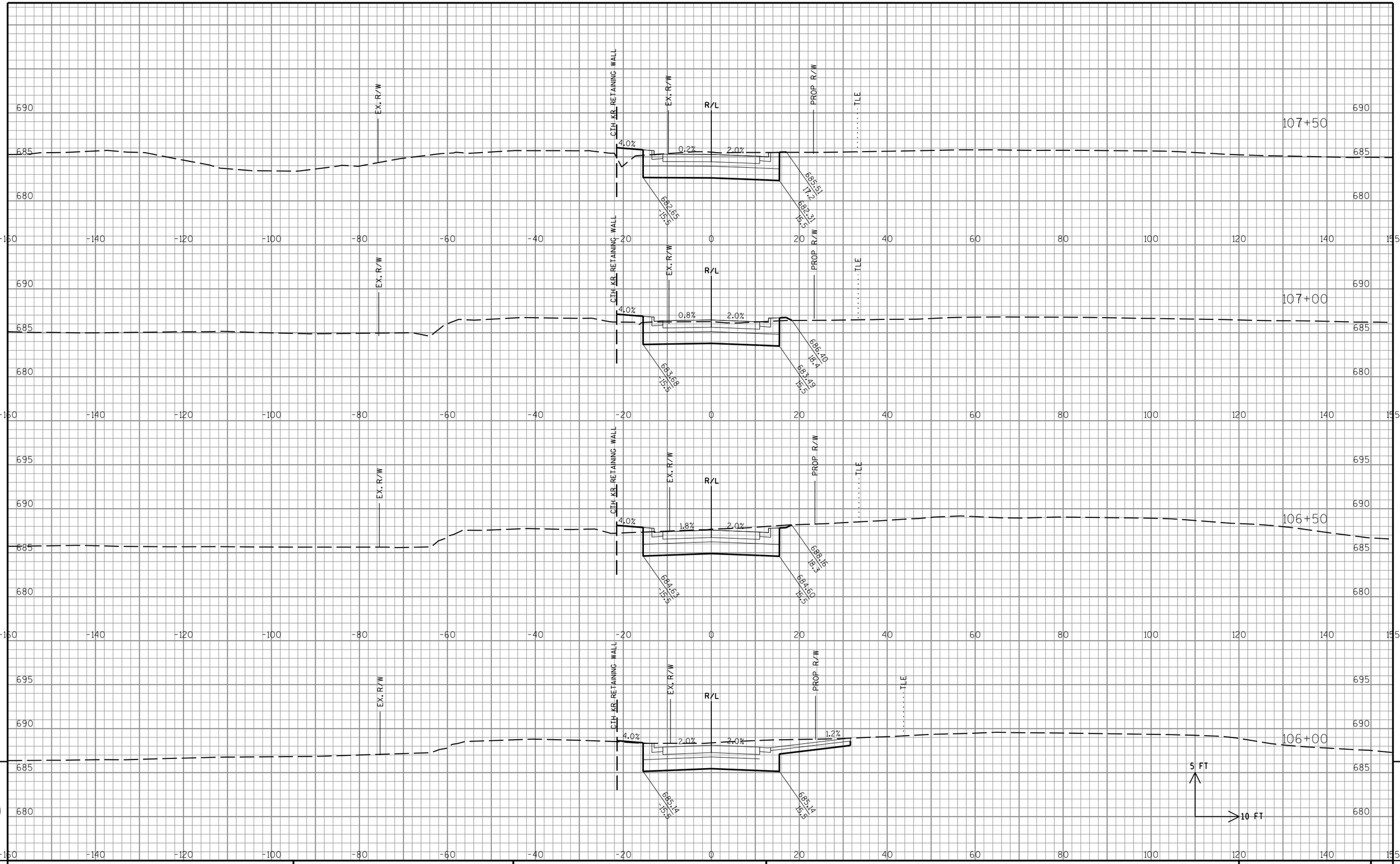
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STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: LOCAL ROAD	SHEET NO: E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090203_xs_FrontageRd.dgn PLOT DATE : 8/28/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:20

PRE_424



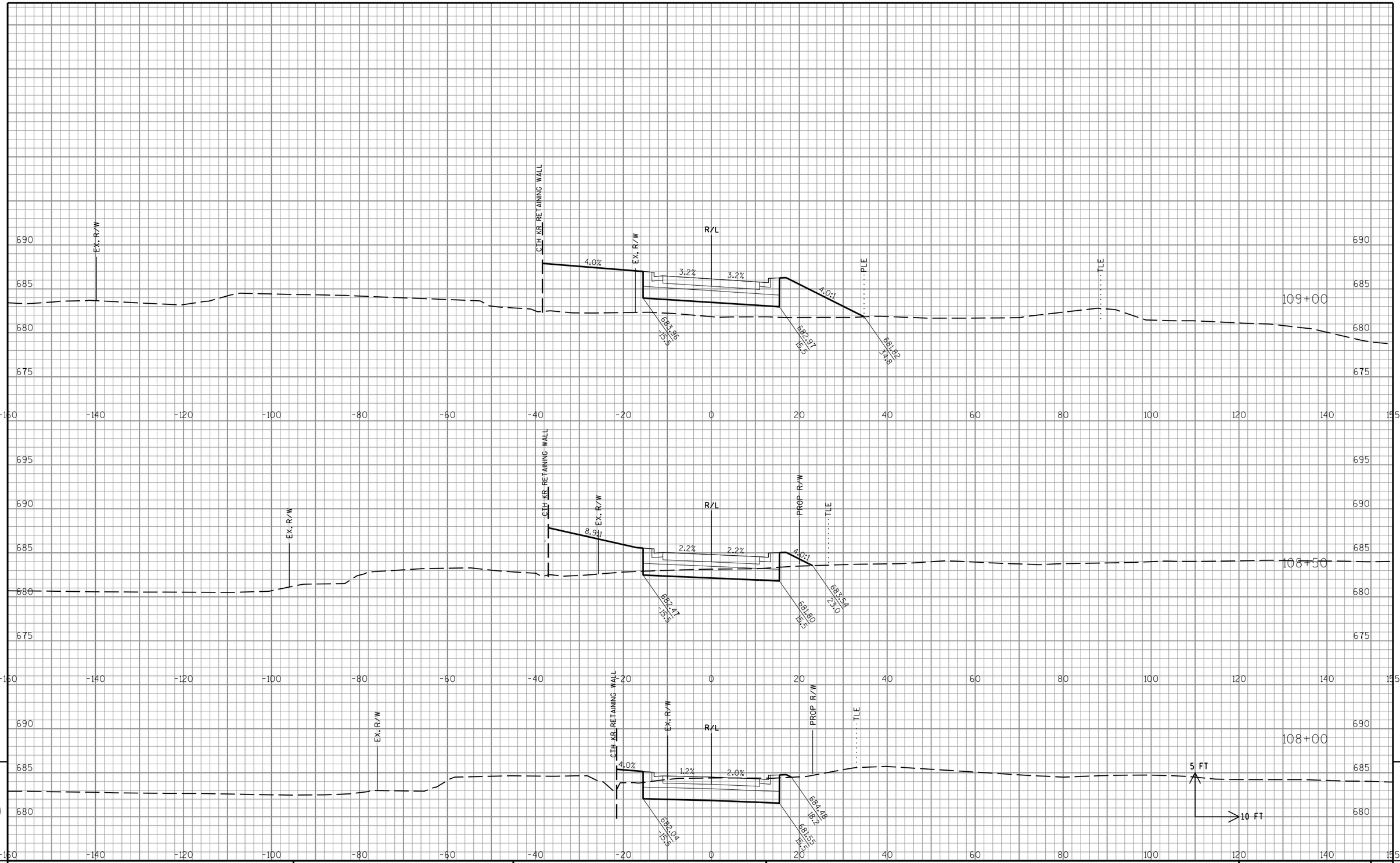
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STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: LOCAL ROAD	SHEET NO: E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090203_xs_FrontageRd.dgn PLOT DATE : 8/28/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:20

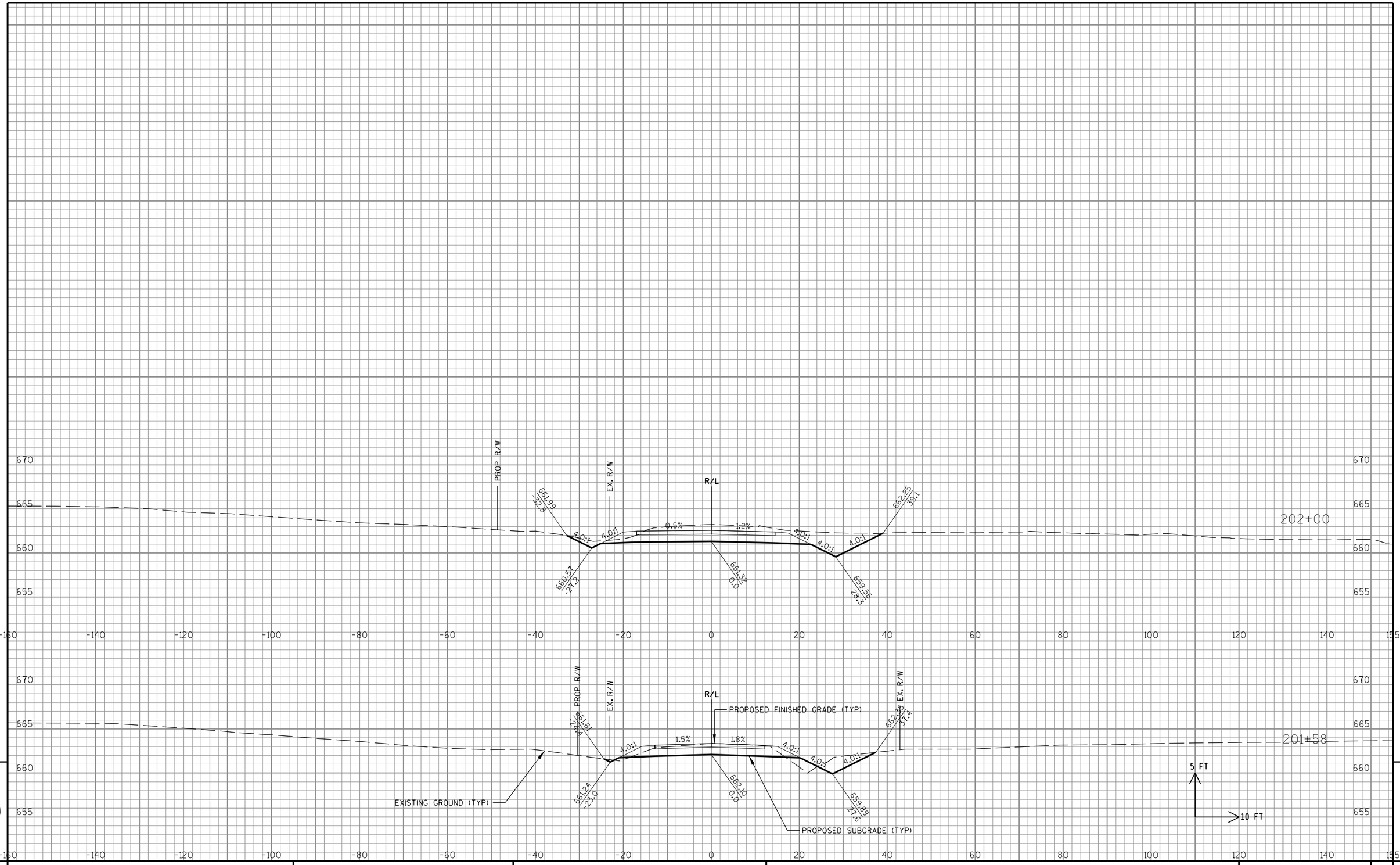
PRE_425



STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: LOCAL ROAD	SHEET NO: E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090203_xs_FrontageRd.dgn PLOT DATE : 8/28/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:20

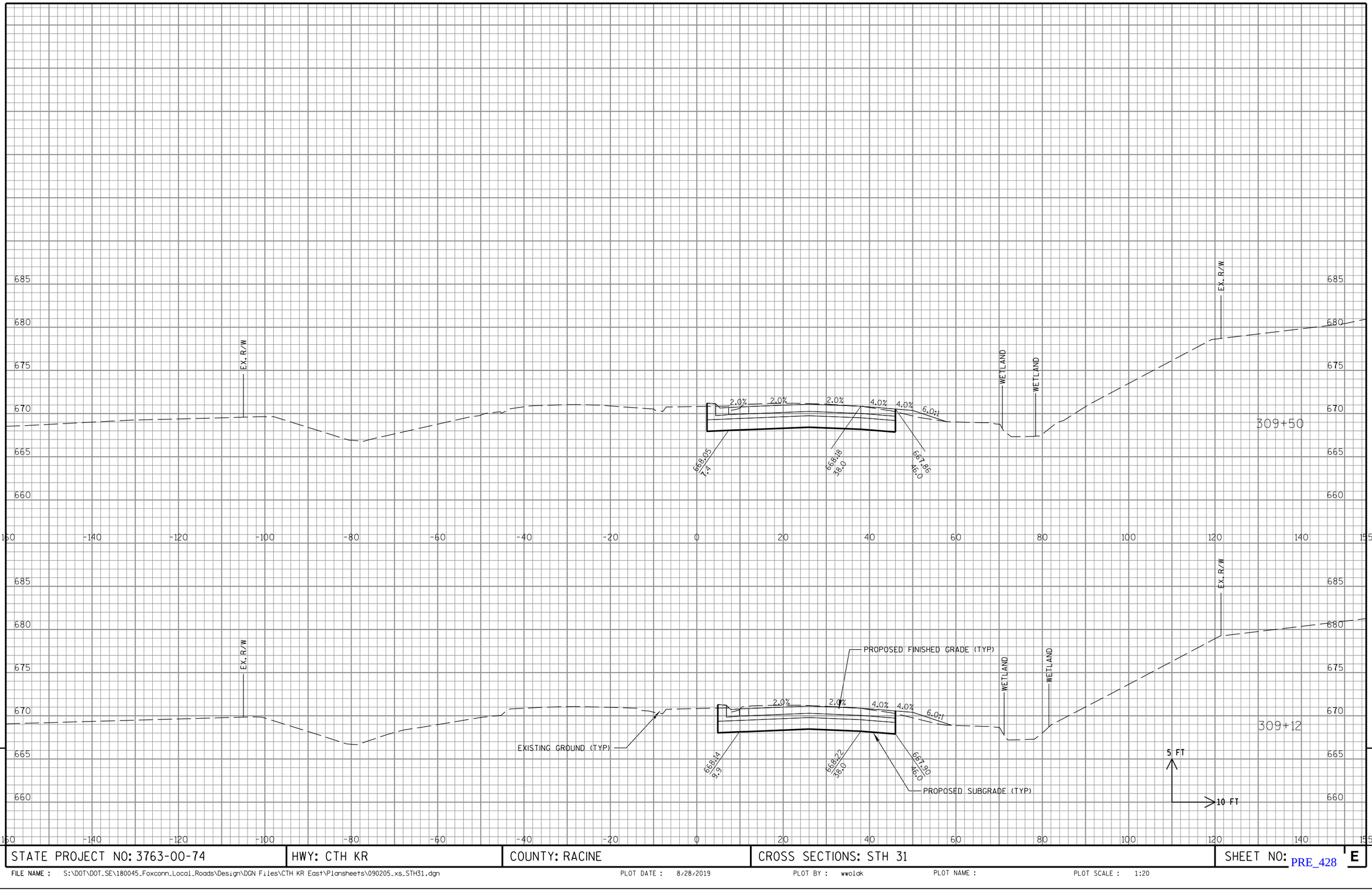
PRE_426



STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: 56TH AVENUE	SHEET NO: PRE_427 E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090204_xs_56th.dgn PLOT DATE : 8/28/2019 PLOT BY : wwolck PLOT NAME : PLOT SCALE : 1:20

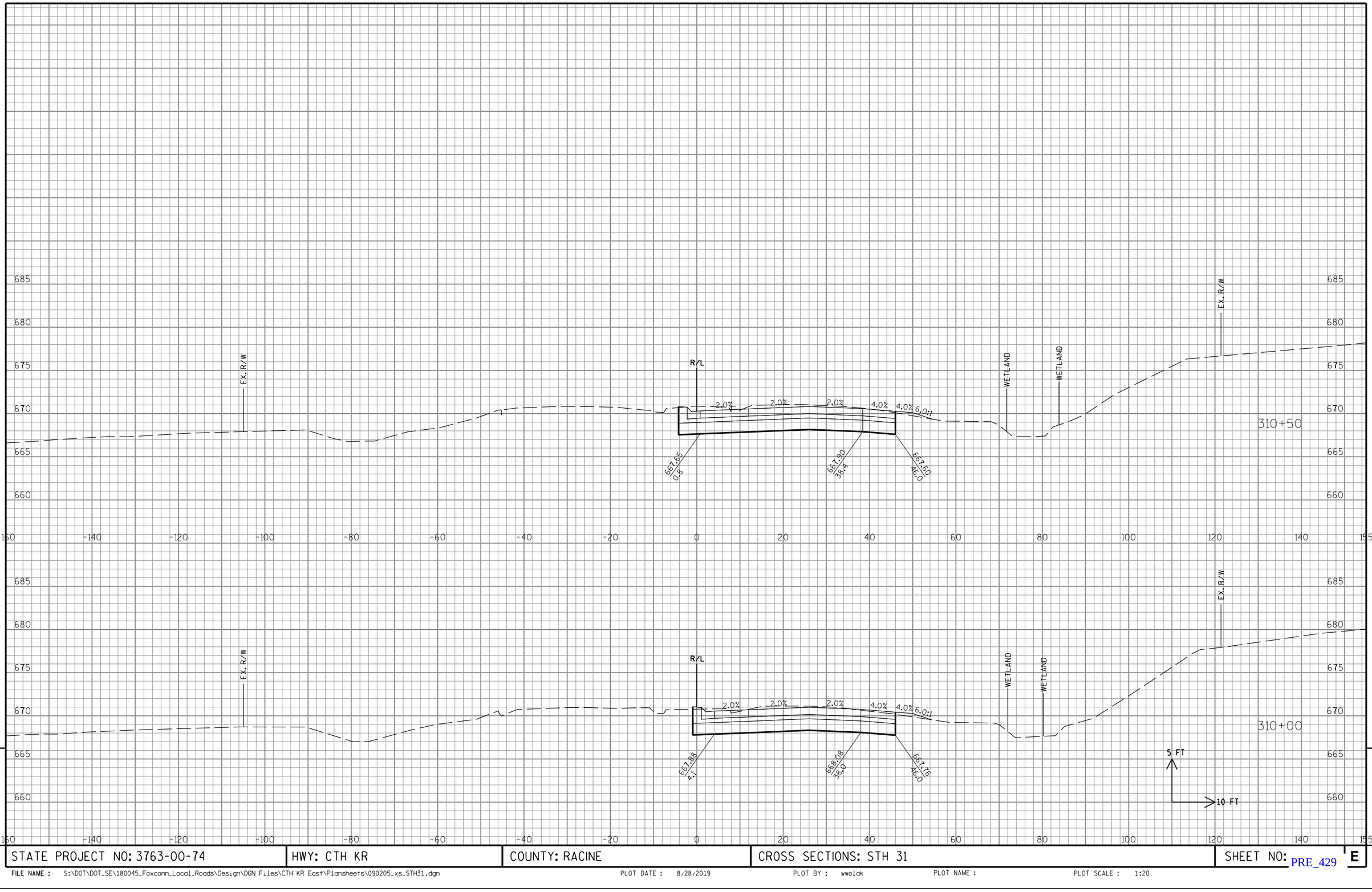
9 9



STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: STH 31	SHEET NO: E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090205_xs_STH31.dgn PLOT DATE : 8/28/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:20

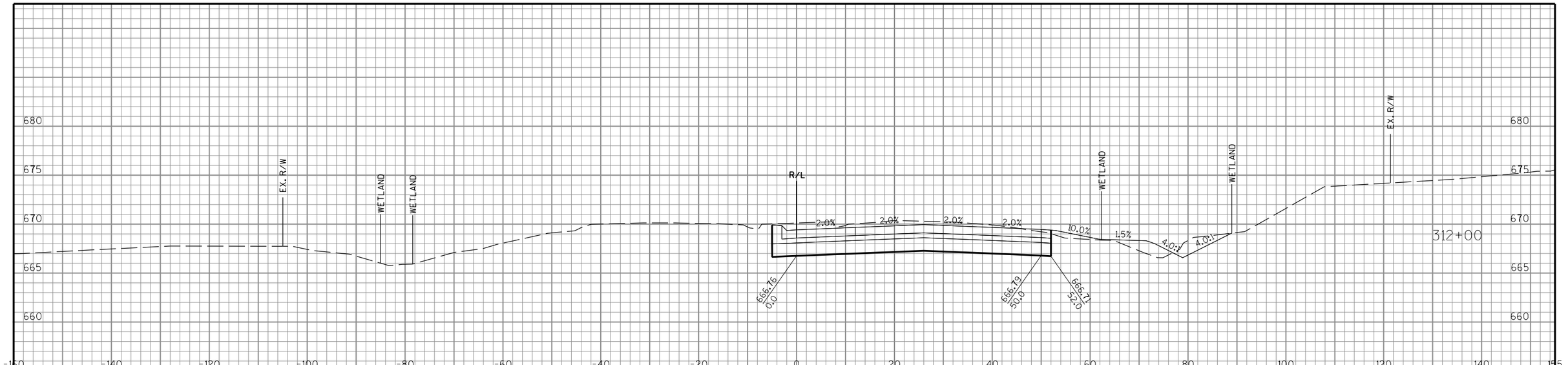
PRE_428

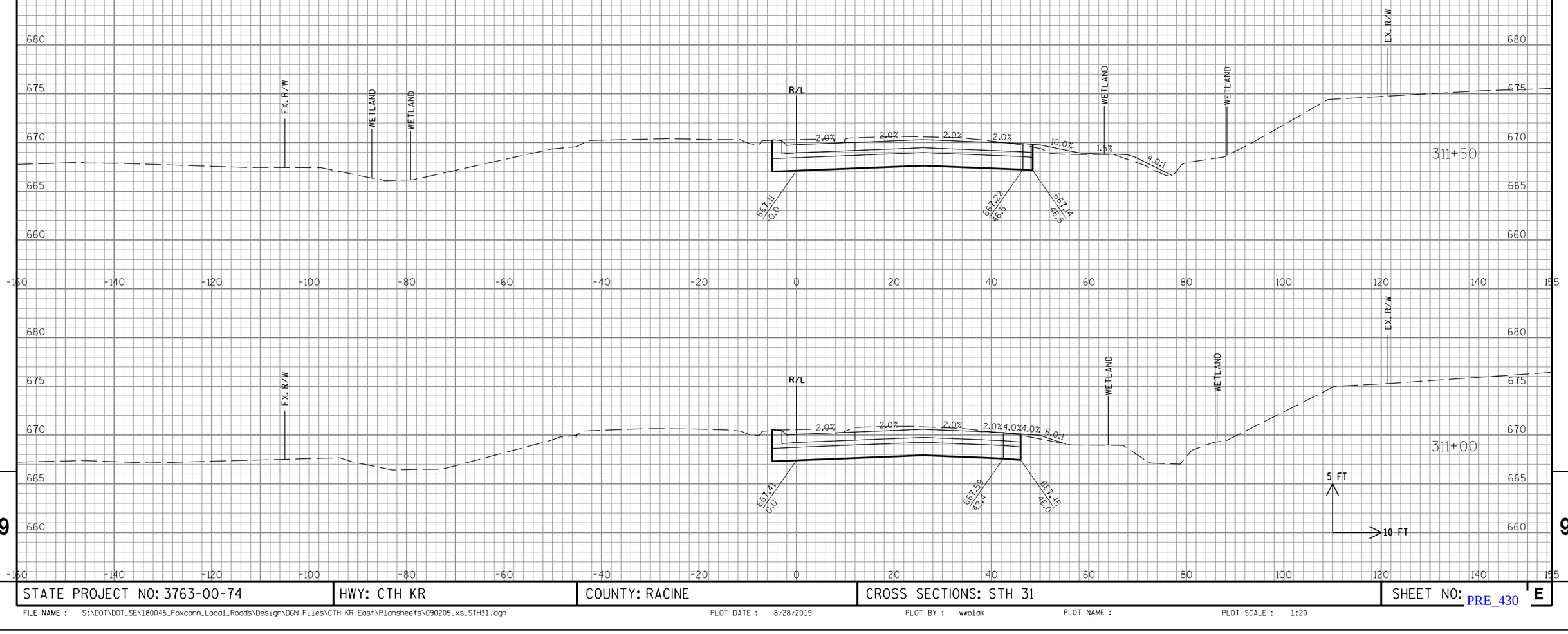


STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: STH 31	SHEET NO: E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090205_xs_STH31.dgn PLOT DATE : 8/28/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:20

PRE_429





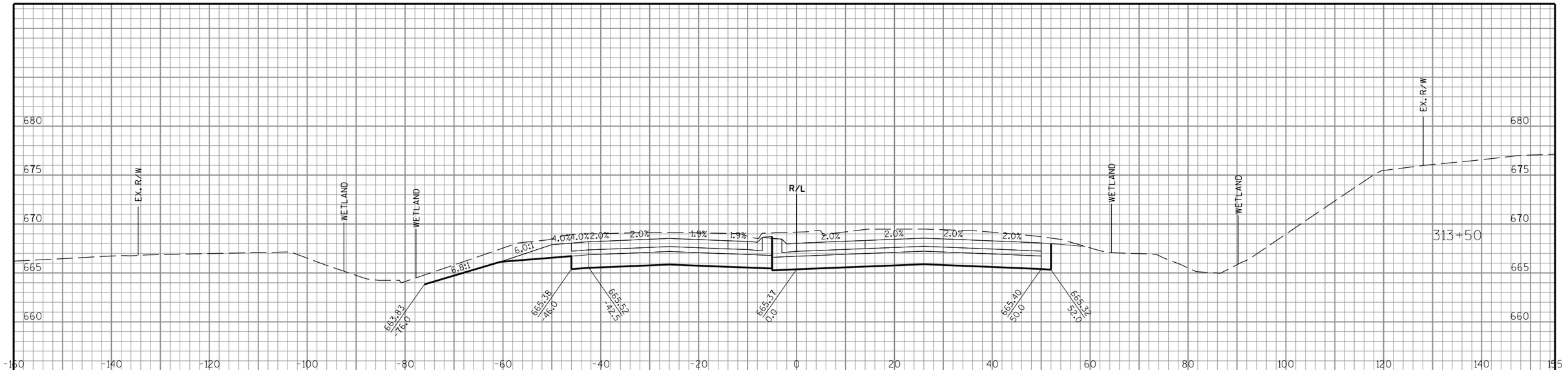
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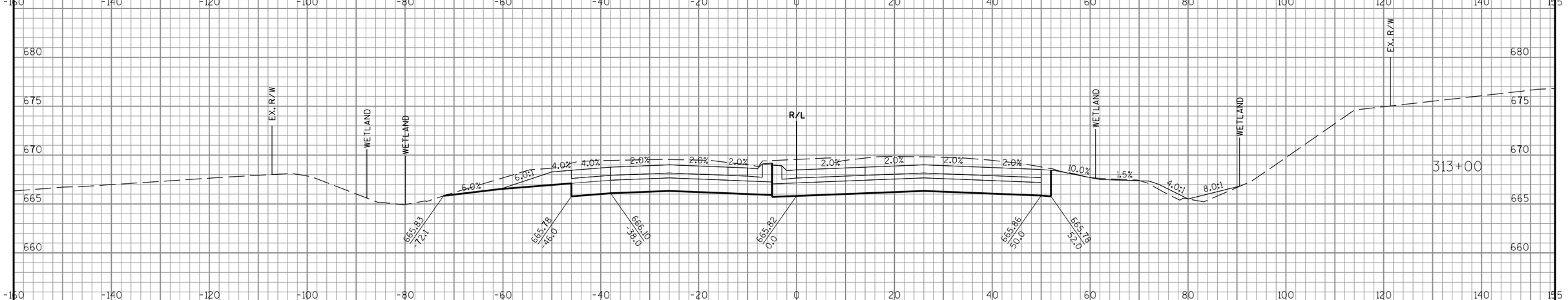
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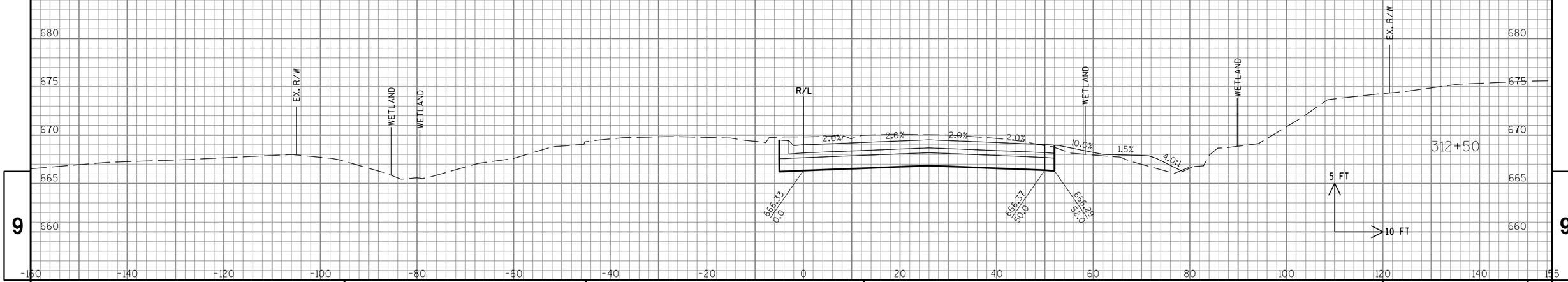
STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: STH 31	SHEET NO: E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090205_xs_STH31.dgn PLOT DATE : 8/28/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:20

PRE_430







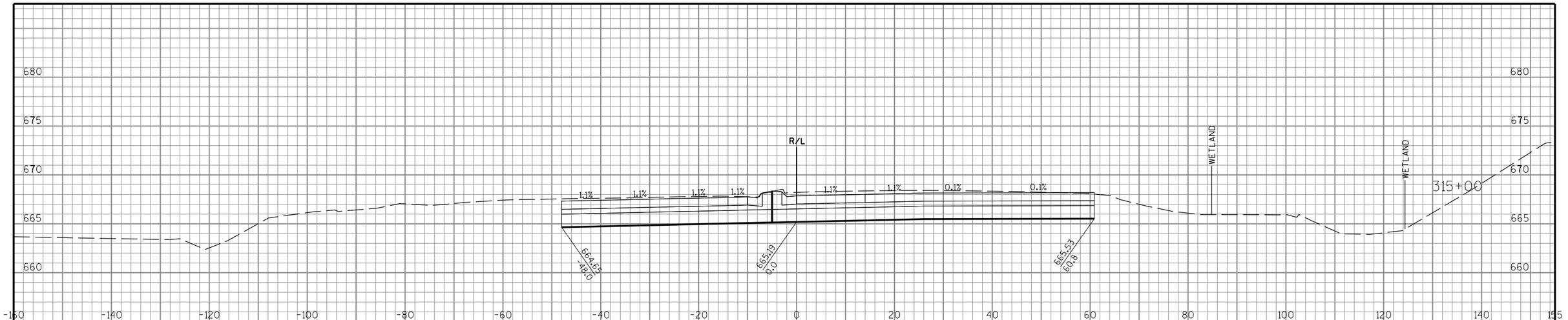
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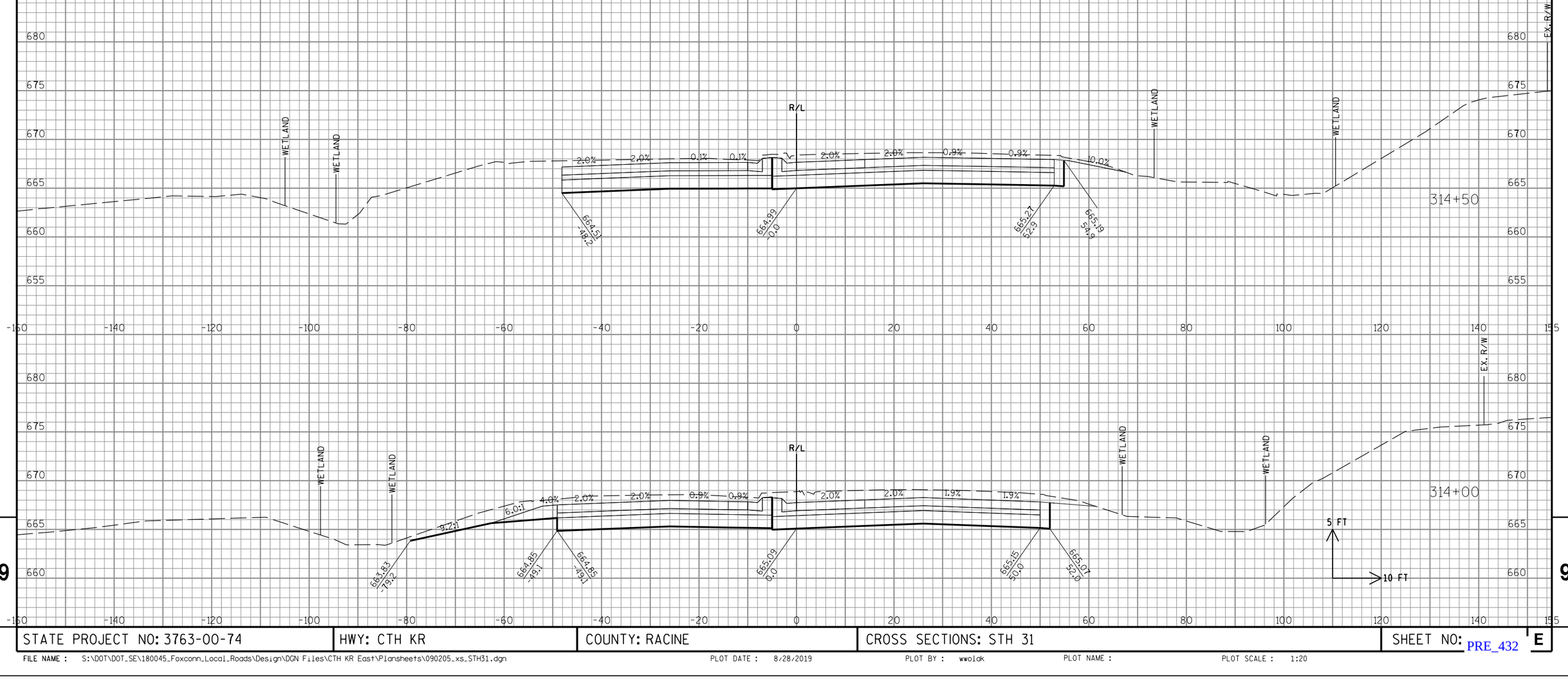
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STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: STH 31	SHEET NO: E

PRE_431

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090205_xs_STH31.dgn PLOT DATE : 8/28/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:20

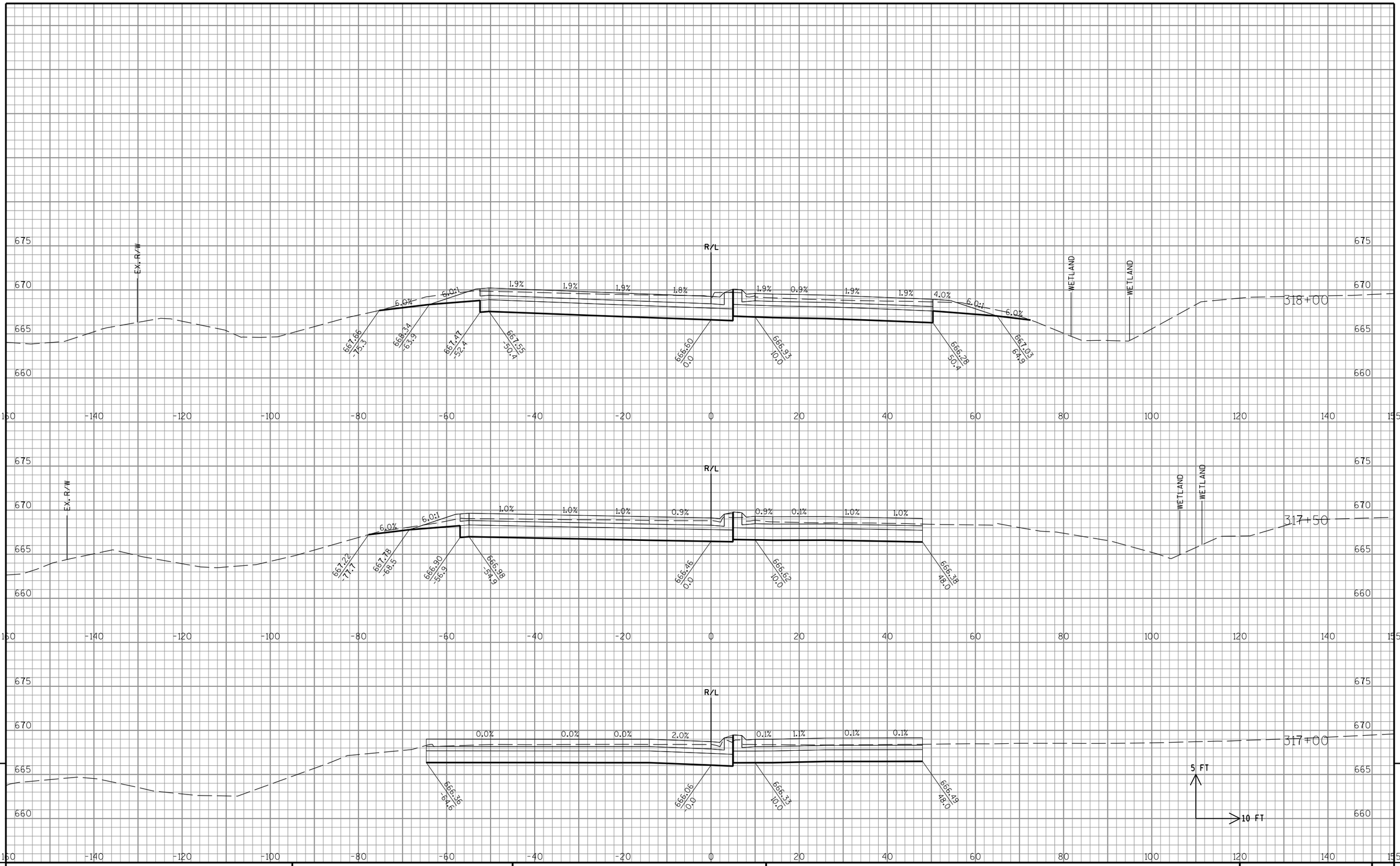




STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: STH 31	SHEET NO: E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090205_xs_STH31.dgn PLOT DATE : 8/28/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:20

PRE_432



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STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: STH 31	SHEET NO: E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090205_xs_STH31.dgn PLOT DATE : 8/28/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:20

PRE_433

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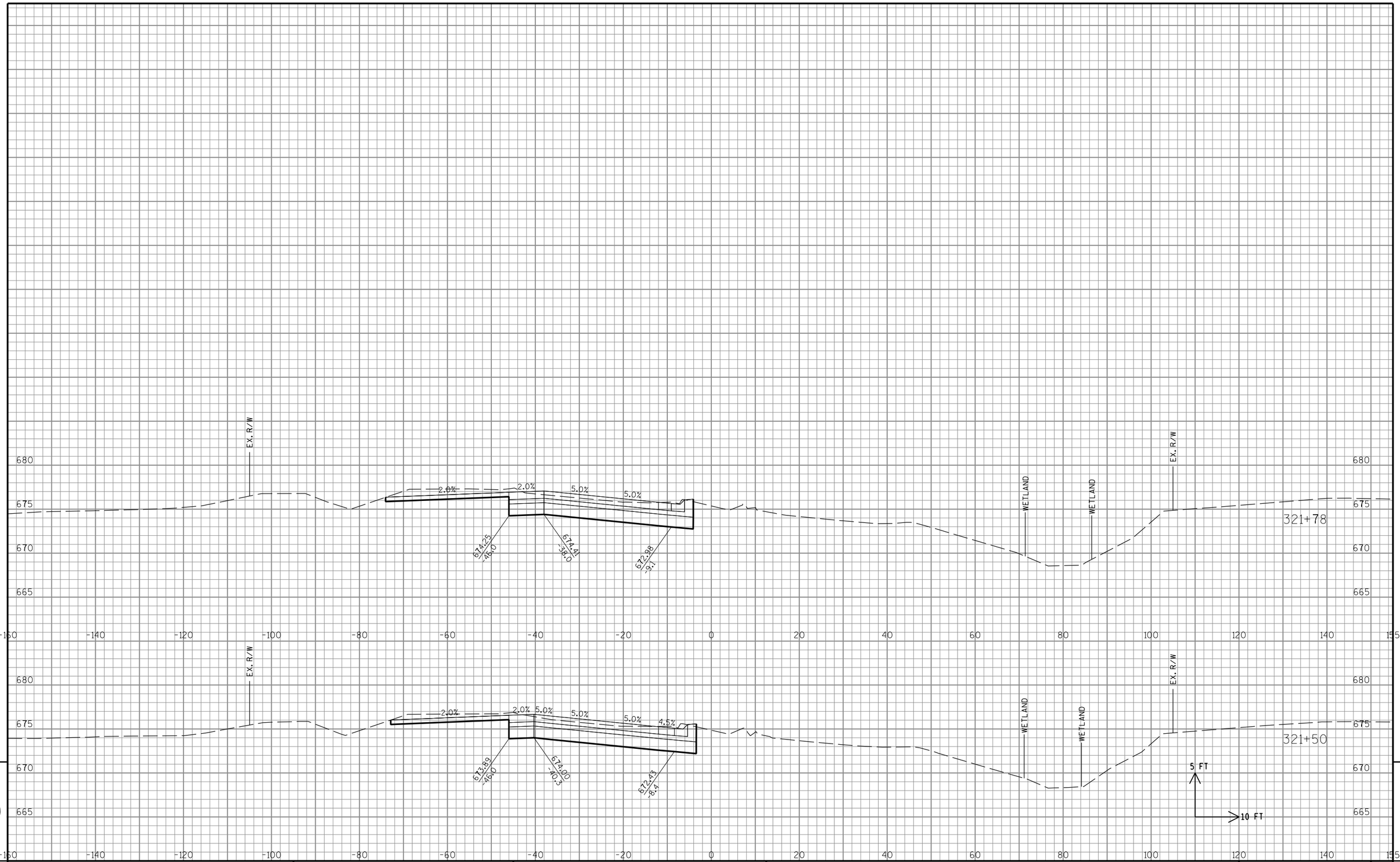
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STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: STH 31	SHEET NO: PRE_434 E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090205_xs_STH31.dgn PLOT DATE : 8/28/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:20

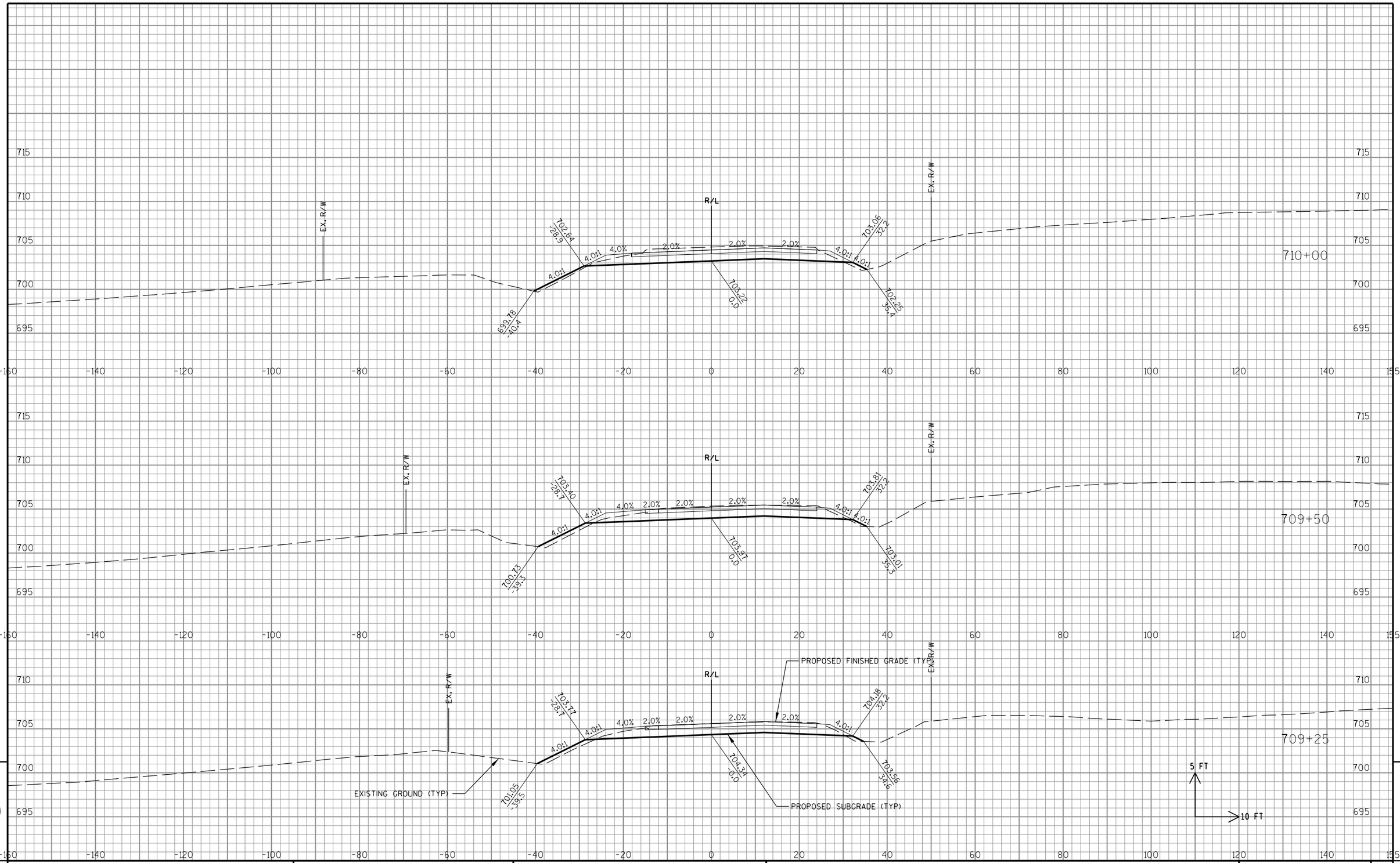
STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: STH 31	SHEET NO: PRE_435 E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090205_xs_STH31.dgn PLOT DATE : 8/28/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:20



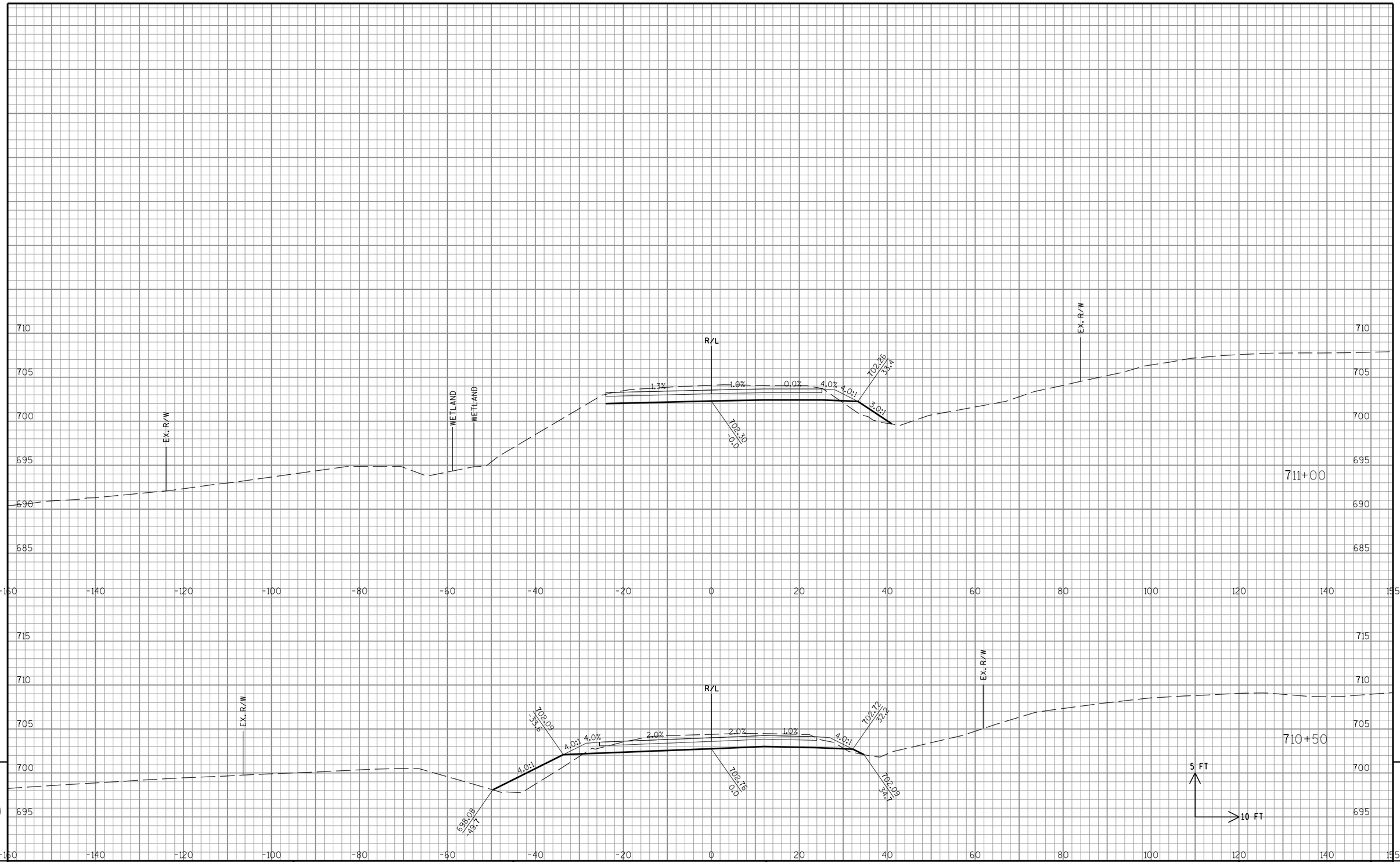
STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: STH 31	SHEET NO: PRE_436 E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090205_xs_STH31.dgn PLOT DATE : 8/28/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:20



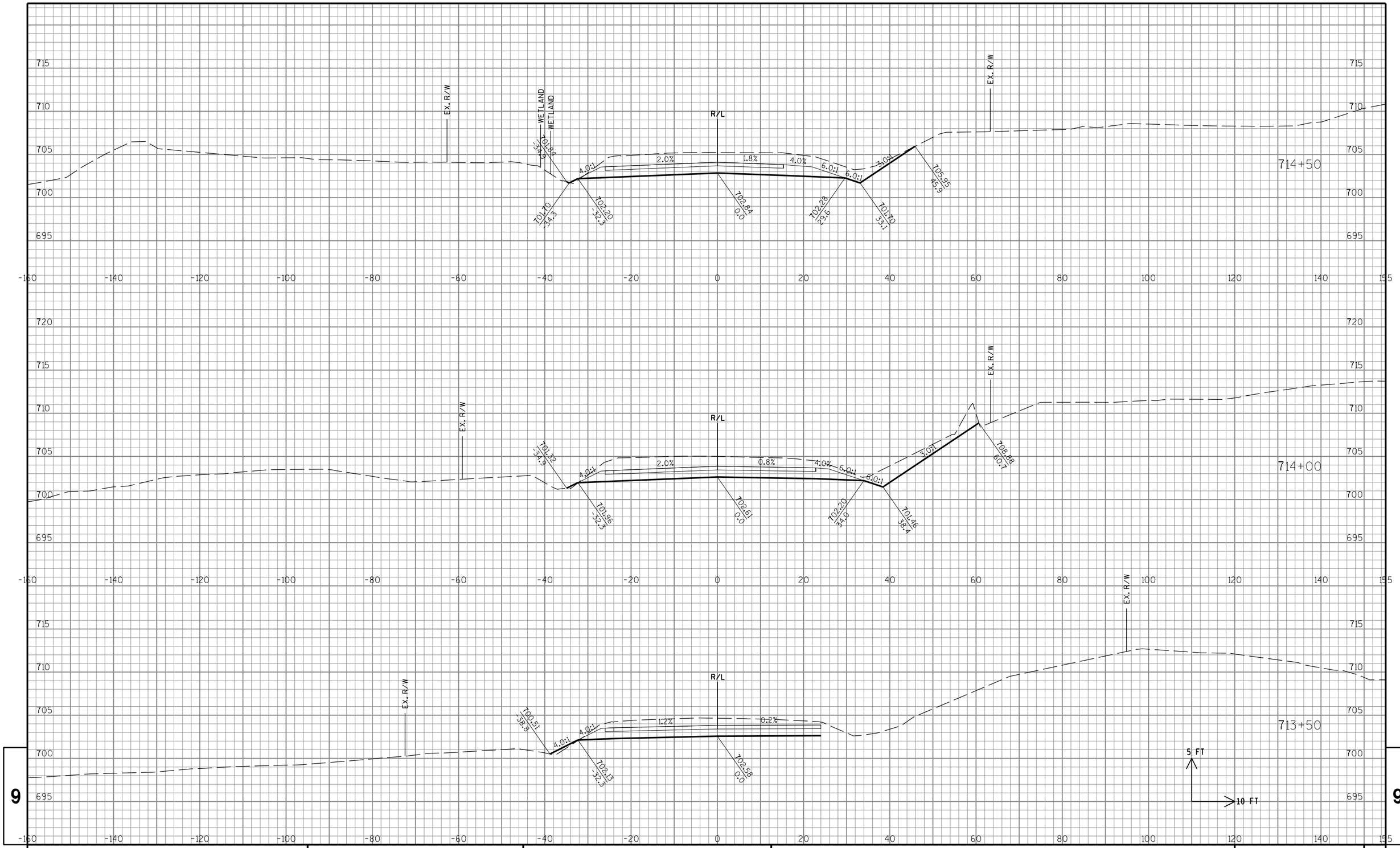
STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: OLD GREEN BAY ROAD	SHEET NO: PRE_437 E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090206_xs_OGBR.dgn PLOT DATE : 8/28/2019 PLOT BY : wwolck PLOT NAME : PLOT SCALE : 1:20



STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: OLD GREEN BAY ROAD	SHEET NO: PRE_438 E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090206_xs_OGBR.dgn PLOT DATE : 8/28/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:20



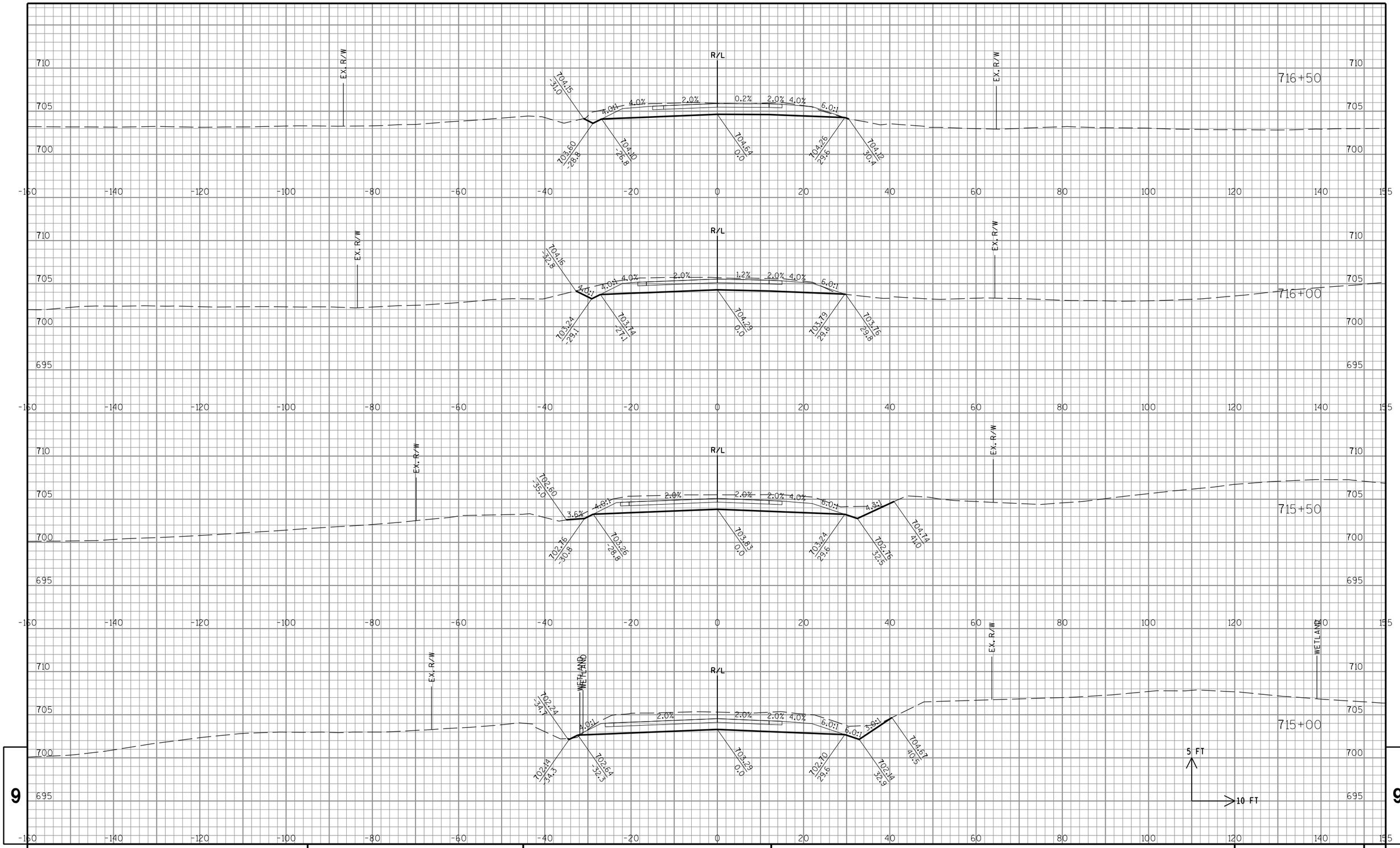
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STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: OLD GREEN BAY ROAD	SHEET NO: E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090206_xs_OGBR.dgn PLOT DATE : 8/28/2019 PLOT BY : wwolck PLOT NAME : PLOT SCALE : 1:20

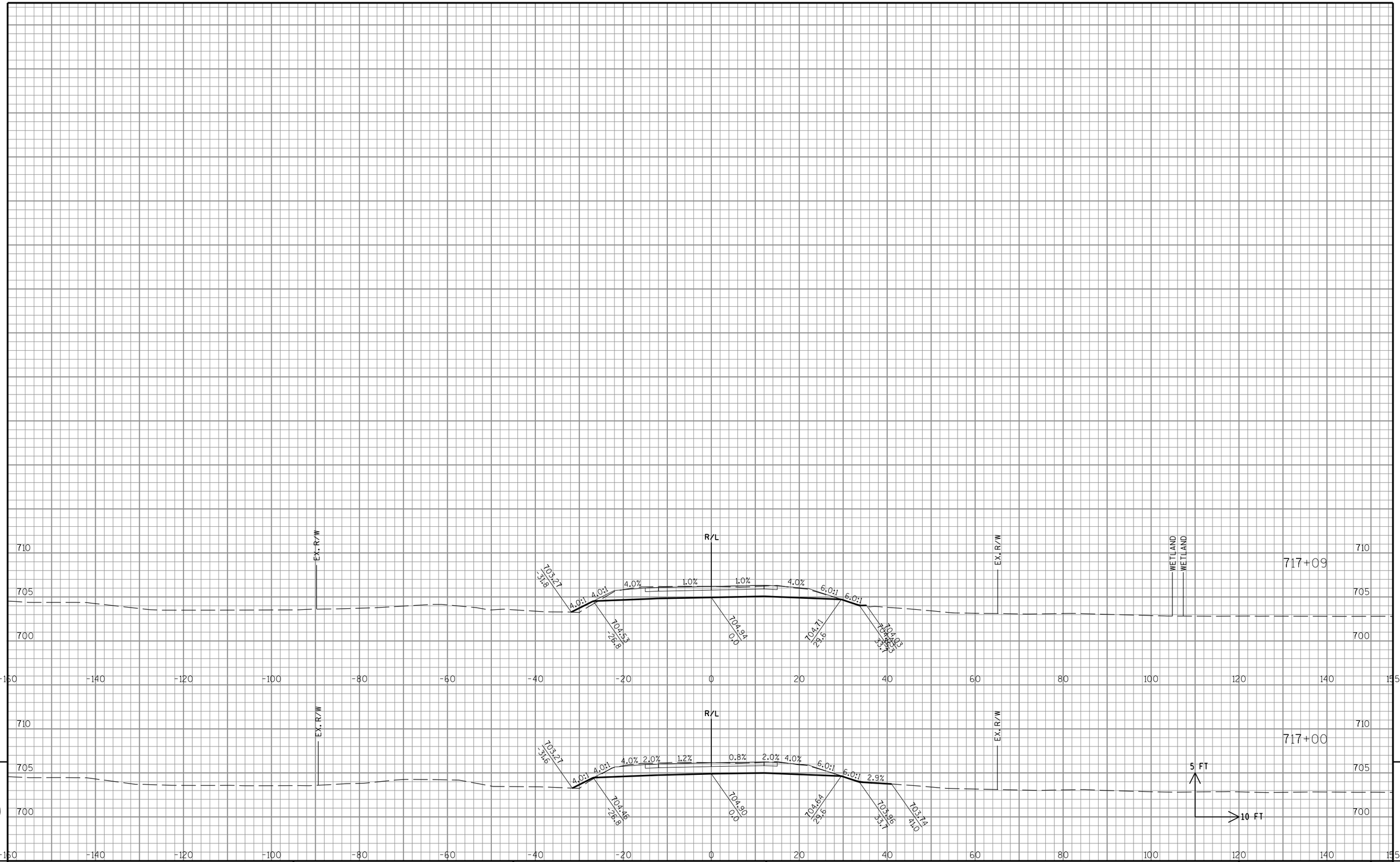
PRE_439



STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: OLD GREEN BAY ROAD	SHEET NO: E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090206_xs_OGBR.dgn PLOT DATE : 8/28/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:20

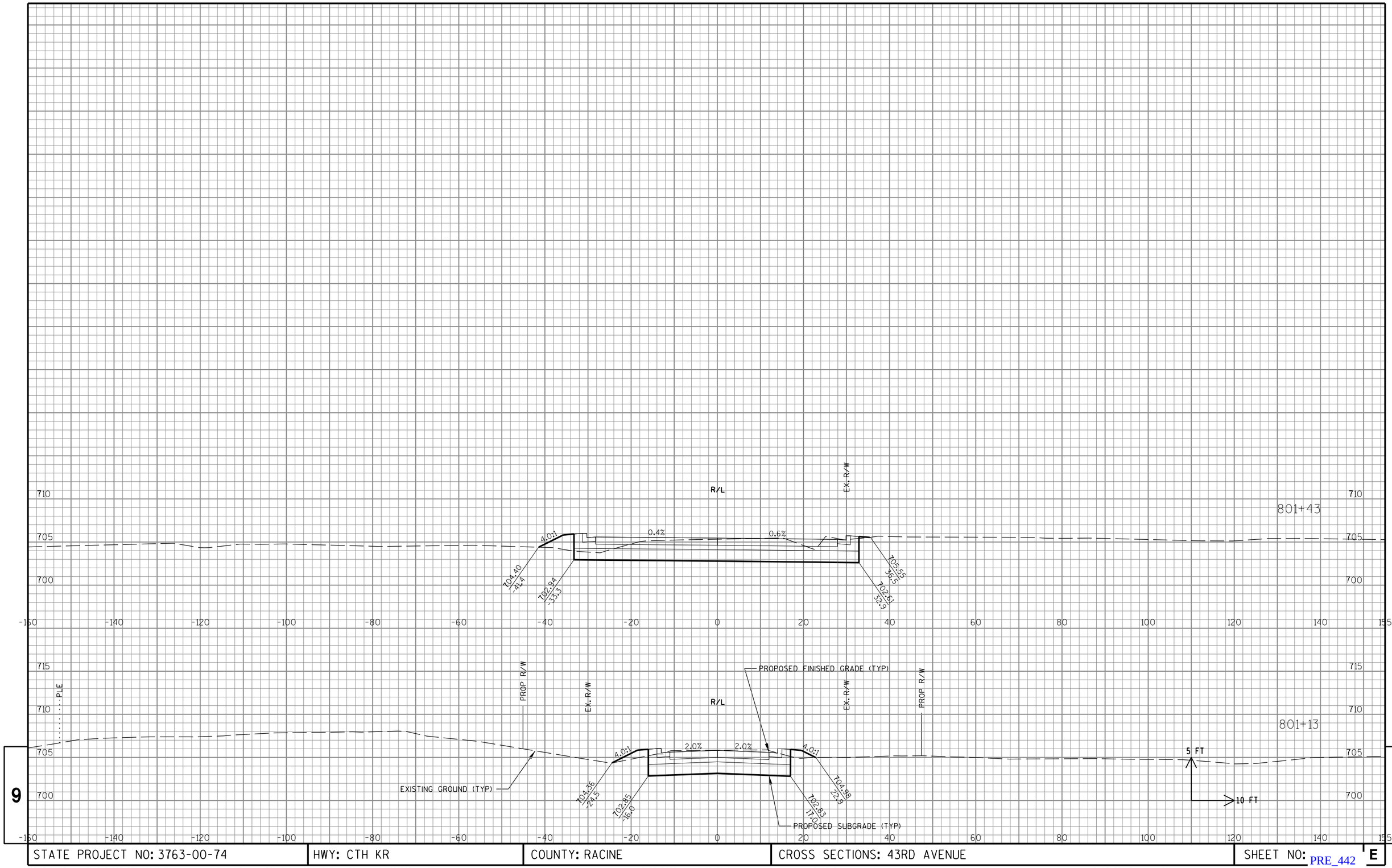
PRE_440



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STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: OLD GREEN BAY ROAD	SHEET NO: PRE_441 E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090206_xs_OGBR.dgn PLOT DATE : 8/28/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:20



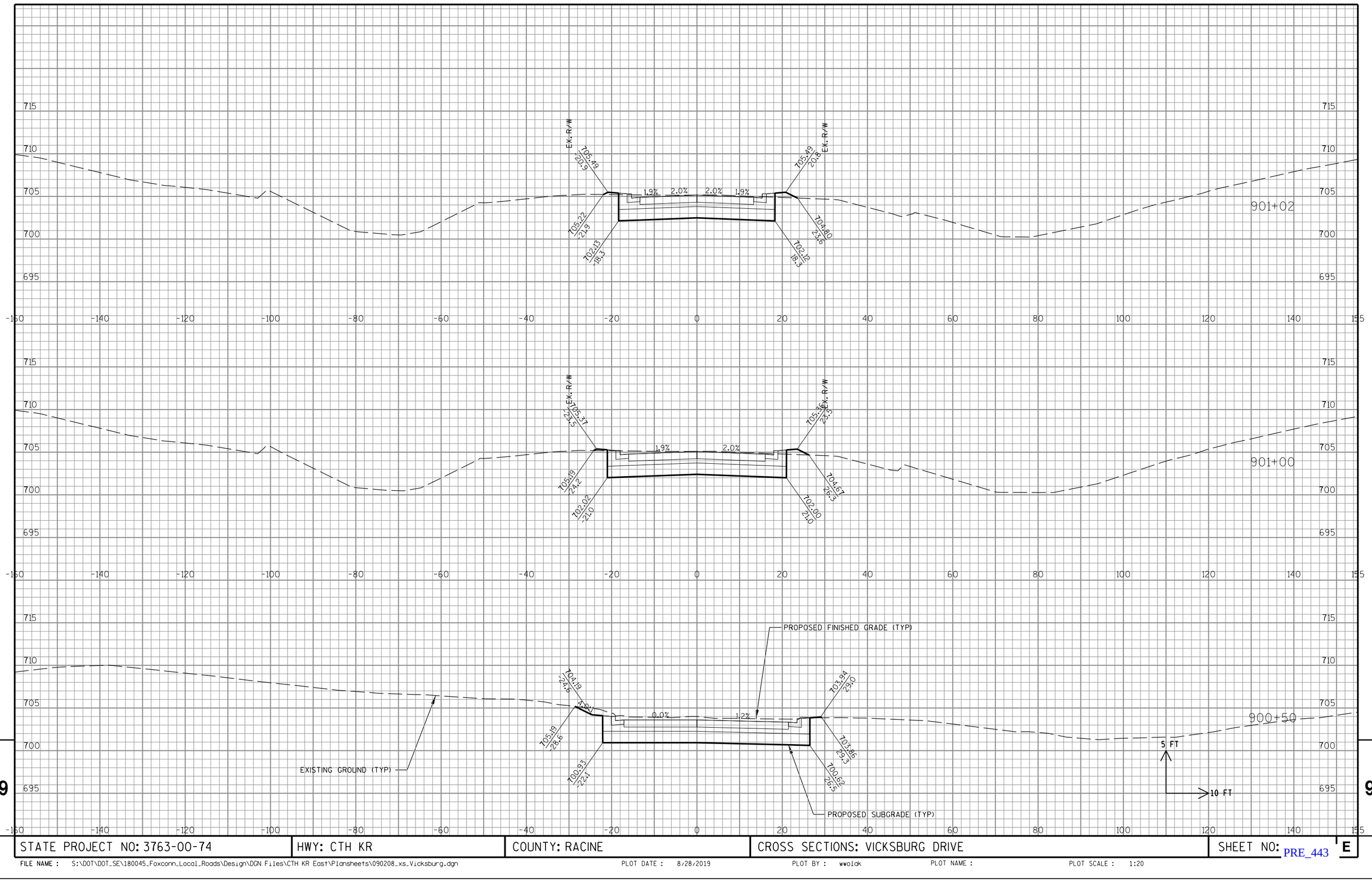
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STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: 43RD AVENUE	SHEET NO: E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090207_xs_43rd.dgn PLOT DATE : 8/28/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:20

PRE_442



STATE PROJECT NO: 3763-00-74	HWY: CTH KR	COUNTY: RACINE	CROSS SECTIONS: VICKSBURG DRIVE	SHEET NO: E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\DGN Files\CTH KR East\Plansheets\090208_xs_Vicksburg.dgn PLOT DATE : 8/28/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:20

PRE_443

WISCONSIN DEPARTMENT OF TRANSPORTATION

EPlans Preliminary Sheet Numbering Tool

Notes

- Acrobat 5 or higher is required to Insert Preliminary Sheet Numbers.
- The Bureau of Highway Construction Plan Examiner places sheet numbers in the final plan.
- This sheet is for placing preliminary sheet numbers with a “PRE_" prefix.
- If a plan contains multiple projects, number each plan individually.
- Leave this sheet in the plan.

TO ADD PRELIMINARY SHEET NUMBERS

1. Insert this sheet at the end of the plan

a. With the plan open in Acrobat, select Document > Insert Pages.
b. In the Select File to Insert dialog box, select this file (Preliminary_Sheet_Numbers.pdf)
c. In the Insert dialog box, choose After for Location and Last page for Page.
d. Click OK.

2. Click the Place Preliminary Sheet Numbers button

a. Go to the last sheet of the plan.
b. Click the Place Preliminary Sheet Numbers button once.
(The preliminary sheet number appears in the bottom right corner of the sheets.
The number should match the page number in the Acrobat Status bar).

3. Re-Save the PDF

a. Select File > Save As and save the PDF.

Place Preliminary Sheet Numbers

TO REMOVE PRELIMINARY SHEET NUMBERS

Remove