MAD

FEBRUARY 2020

PROJECT ID: 1111-03-82

WITH:

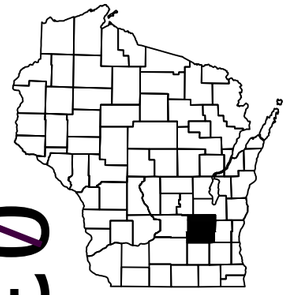
COUNTY: DODGE

03

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 = 330



DESIGN DESIGNATION 1111-03-02

A.A.D.T.	(2018)	=	20,000
A.A.D.T.	(2038)	=	24,700
D.H.V.	(12.9%)	=	3,186
D.D.		=	60/40
T.		=	15.4%
DESIGN SPEED		=	70 MPH
ESALS		=	8,300,000

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

SUN PRAIRIE - BEAVER DAM

STH 73 TO CNW RR

USH 151

DODGE COUNTY

STATE PROJECT NUMBER
1111-03-82

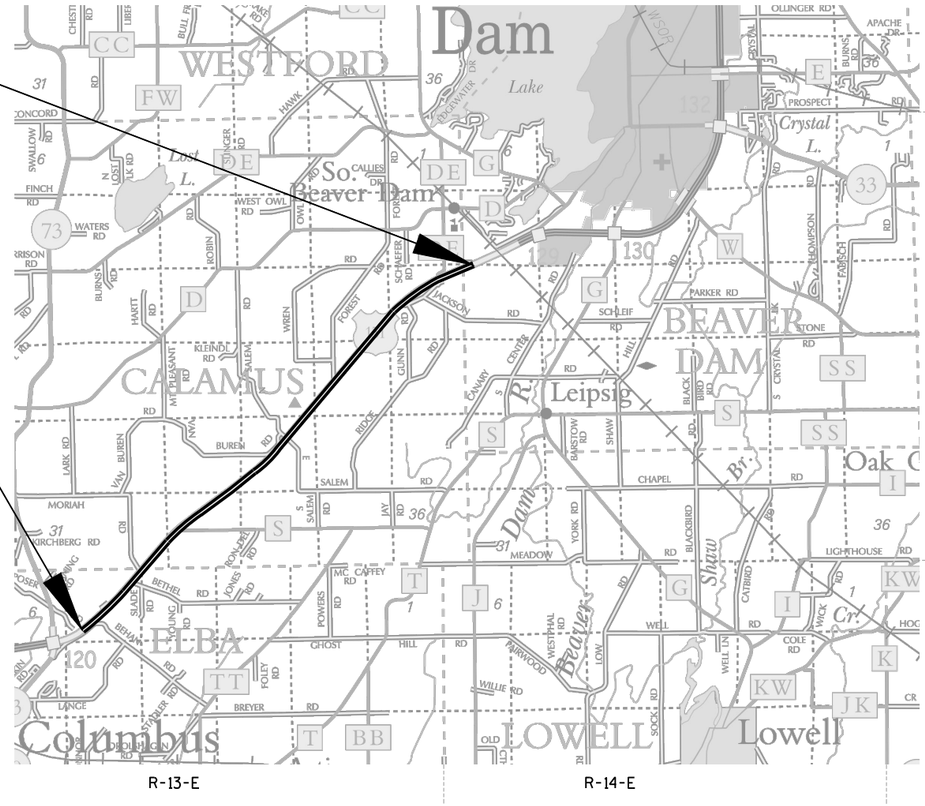
STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
PROJECT ID		
1111-03-82	WISC 2020034	1

END PROJECT
STA 1959+47 NB

BEGIN PROJECT
STA 1585+50 NB

Y = 688,538.7516

X = 808,226.5135



LAYOUT

SCALE 0 2 MI

TOTAL NET LENGTH OF CENTERLINE = 7.084 MI.

COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), DODGE COUNTY ZONE, NAD 83 (2011).

ELEVATIONS SHOWN ON THIS PLAN ARE REFERENCED TO THE NORTH AMERICAN DATUM OF 2012 (NAVD 88).

CONVENTIONAL SYMBOLS

PLAN

- CORPORATE LIMITS
- PROPERTY LINE
- LOT LINE
- LIMITED HIGHWAY EASEMENT
- EXISTING RIGHT OF WAY
- PROPOSED OR NEW R/W LINE
- SLOPE INTERCEPT
- REFERENCE LINE (300'EB')
- EXISTING CULVERT
- PROPOSED CULVERT (Box or Pipe)
- COMBUSTIBLE FLUIDS (CAUTION)
- MARSH AREA
- WOODED OR SHRUB AREA

PROFILE

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

UTILITIES

- ELECTRIC (E)
- 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

PREPARED BY

Surveyor	WISDOT
Designer	BEN THOMPSON
Project Manager	AMY COUGHLIN
Regional Examiner	SW REGION
Regional Supervisor	BRENDA SCHOENFELD

APPROVED FOR THE DEPARTMENT

DATE: 6/28/2019 Amy Coughlin (Signature)

E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\010101_TI.DWG PLOT DATE : 6/27/2019 12:21 PM PLOT BY : HERRERA BAUTISTA, PE PLOT NAME :

2

GENERAL NOTES

EROSION CONTROL FEATURES AS SHOWN IN THE PLANS ARE AT SUGGESTED LOCATIONS. EXACT LOCATIONS WILL BE DETERMINED BY THE CONTRACTORS EROSION CONTROL IMPLEMENTATION PLAN (ECIP) AND APPROVED BY THE ENGINEER IN CONSULTATION WITH THE WISCONSIN DEPARTMENT OF NATURAL RESOURCES. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL SUCH TIME AS THE ENGINEER DETERMINES THE MEASURE IS NO LONGER NECESSARY. THE PRIME CONTRACTOR IS RESPONSIBLE FOR REMOVING THESE ITEMS WHEN NO LONGER NECESSARY.

THE LOCATION OF EXISTING UTILITY FACILITIES AS SHOWN ON THE PLANS ARE APPROXIMATE. COORDINATE CONSTRUCTION ACTIVITIES WITH A CALL TO DIGGERS HOTLINE AND/OR A DIRECT CALL TO THE UTILITIES THAT HAVE FACILITIES IN THE AREA.

THE CONTRACTORS PAVING OPERATION SHALL BE CONSISTENT WITH THE PLAN TYPICAL SECTIONS AND CONSTRUCTED TO PREVENT PAVEMENT HMA LONGITUDINAL JOINTS FROM BEING WITHIN DRIVING, TURNING, BIKE OR PARKING LANE.

HMA PAVEMENT WEIGHT CALCULATIONS ARE BASED ON 112 LB/SY/IN.

APPLY TACK COAT AT A RATE OF 0.07 GAL/SY TO THE CONCRETE PAVEMENT AND 0.05 GAL/SY BETWEEN LAYERS OF HMA PAVEMENT.

THE CONTRACTOR WILL BE RESPONSIBLE FOR SEEDING ANY PREVIOUSLY GRASSED AREAS WHICH WERE DISTURBED BY HIS OPERATIONS OUTSIDE OF THE NORMAL CONSTRUCTION LIMITS.

NUMBER, LOCATION AND SPACING OF SIGNS AND DEVICES, AS SHOWN IN THE PLANS, SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

ALL DISTURBED AREAS SHALL BE RESTORED WITH SALVAGED TOPSOIL, FERTILIZER, SEEDING AND EROSION MAT.

DO NOT INSTALL ASPHALTIC SHOULDER RUMBLE STRIPS 100 FEET IN ADVANCE OF PRIVATE OR COMMERCIAL DRIVEWAYS.

MATCH GRADING IN AROUND EXISTING UNDERDRAIN OUTFALL ENDWALLS EXCEPT WHERE OUTFALL PIPES ARE BEING EXTENDED.

SECTION 2 SHEETS

GENERAL NOTES
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
PLAN DETAILS
INTERSECTION DETAILS
EROSION CONTROL
PERMANENT SIGNING
ADVANCED WARNING SIGNS
TRAFFIC CONTROL
CONSTRUCTION STAGING
ALIGNMENT DETAIL

UTILITIES

CHUCK BARTELT (PRIMARY CONTACT)
AT&T WISCONSIN - COMMUNICATIONS LINE
70 E DIVISION STREET
FOND DU LAC, WI 54935
920-929-1013 (OFFICE), 920-410-5104 (MOBILE)
CB1461@ATT.COM

PERRY BOECK (PRIMARY CONTACT)
ALLIANT ENERGY - ELECTRICITY
120 EAST MAPLE AVENUE
BEAVER DAM, WI 53916-2131
920-887-6061 (OFFICE), 920-960-5219 (MOBILE)
PERRYBOECK@ALLIANTENERGY.COM

NICK FRASE (PRIMARY CONTACT)
CHARTER COMMUNICATIONS - COMMUNICATION LINE
1515 WEST WASHINGTON STREET
WEST BEND, WI 53095
920-304-6797
NICK.FRASE@CHARTER.COM

SHAWN PIETRZAK (PRIMARY CONTACT)
ADAMS-COLUMBIA ELECTRIC COOPERATIVE - ELECTRICITY
401 E. LAKE STREET
P.O. BOX 70
FRIENDSHIP, WI 53934-0070
1-800-831-8629 EXT 323
SPIETRZAK@ACECWI.COM

PERRY BOECK (PRIMARY CONTACT)
ALLIANT ENERGY - GAS
120 EAST MAPLE AVENUE
BEAVER DAM, WI 53916-2131
920-887-6061 (OFFICE), 920-960-5219 (MOBILE)
PERRYBOECK@ALLIANTENERGY.COM

DESIGN CONTACTS

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MADISON, WI 53704
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PROJECT MANAGER
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2101 WRIGHT ST.
MADISON, WI 53704
(608) 245-5358

SURVEY CONTACT

SURVEY COORDINATOR
JOHN MORAN
DEPT. OF TRANSPORTATION
2101 WRIGHT ST.
MADISON, WI 53704
(608) 516-6538

WI. DEPARTMENT OF NATURAL RESOURCES LIASON

ERIC HEGGELUND
3911 FISH HATCHERY ROAD
FITCHBURG, WI 53711-5397
(608) 275-3301
ERIC.HEGGELUND@WISCONSIN.GOV

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

STANDARD ABBREVIATIONS

AP	ACCESS POINT
AC	ACRE
ADJ	ADJUST
AECPRC	APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE
AH	AHEAD
AC	ASPHALT CEMENT
ASPH	ASPHALTIC
ACP	ASPHALTIC PAVEMENT CONCRETE
AVG	AVERAGE
ADT	AVERAGE DAILY TRAFFIC
BK	BACK
BAD	BASE AGGREGATE DENSE
BM	BENCH MARK
CB	CATCH BASIN
C/L	CENTER LINE
C/L CONST	CENTER LINE CONSTRUCTION
	CENTRAL ANGLE OR DELTA
CL	CLASS
CONC	CONCRETE
CONST	CONSTRUCTION
CMCP	CORRUGATED METAL CULVERT PIPE
CTH	COUNTY TRUNK HIGHWAY
CABC	CRUSHED AGGREGATE BASE COURSE
CFS	CUBIC FEET PER SECOND
CY	CUBIC YARD
CP	CULVERT PIPE
CPCS	CULVERT PIPE CORRUGATED STEEL
CPRC	CULVERT PIPE REINFORCED CONCRETE
CPRCHE	CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL
C & G	CURB AND GUTTER
D	DEGREE OF CURVE
DRV	DESIGN HOUR VOLUME
DIA	DIAMETER
DD	DIRECTIONAL DISTRIBUTION
DWY	DRIVEWAY
E	EAST
X	EAST GRID COORDINATE
EB	EASTBOUND
EL	ELEVATION
ESALS	EQUIVALENT SINGLE AXLE LOADS
EXC	EXCAVATION
EBS	EXCAVATION BELOW SUBGRADE
EXIST	EXISTING
FPS	FEET PER SECOND
FERT	FERTILIZE
FE	FIELD ENTRANCE
FL	FLOW LINE
FT	FOOT
GN	GRID NORTH
HES	HIGH EARLY STRENGTH
HP	HIGH POINT
HW	HIGH WATER
HMA	HOT MIX ASPHALT
CWA	HUNDREDWEIGHT
HYD	HYDRANT
INL	INLET
ID	INSIDE DIAMETER
I	INTERSECTION ANGLE
INV	INVERT
IP	IRON PIPE OR PIN
JT	JOINT
LT	LEFT
L	LENGTH OF CURVE
LF	LINEAR FOOT
LP	LOW POINT
LS	LUMP SUM
MH	MANHOLE
MAX	MAXIMUM
Mgal	MEGAGALLON
MPH	MILES PER HOUR
MIN	MINIMUM
MON	MONUMENT
NOM	NOMINAL
NC	NORMAL CROWN
N	NORTH
Y	NORTH GRID COORDINATE
NB	NORTHBOUND
NO	NUMBER
OPT	OPTIONAL
OD	OUTSIDE DIAMETER
PAVT	PAVEMENT
PLE	PERMANENT LIMITED EASEMENT
PACS	PIPE ARCH CORRUGATED STEEL
PT	POINT
PC	POINT OF CURVATURE
PI	POINT OF INTERSECTION
PT	POINT OF TANGENCY
PVC	POINT OF VERTICAL CURVE
PVI	POINT OF VERTICAL INTERSECTION
PVT	POINT OF VERTICAL TANGENCY
PVC	POLYVINYL CHLORIDE
PCC	PORTLAND CEMENT CONCRETE
LB	POUND
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PE	PRIVATE ENTRANCE
PGL	PROFILE GRADE LINE
PL	PROPERTY LINE
Q100	100 YEAR FLOW RATE
R	RADIUS
RR	RAILROAD
R	RANGE
R/L	REFERENCE LINE
REINF	REINFORCING OR REINFORCEMENT
REQD	REQUIRED
RT	RIGHT
R/W	RIGHT-OF-WAY
RD	ROAD
RDWY	ROADWAY
SEC	SECTION CORNER
SHLDR	SHOULDER
S	SOUTH
SB	SOUTHBOUND
SQ	SQUARE
SF	SQUARE FEET
SW	SIDEWALK
SY	SQUARE YARD
SDD	STANDARD DETAIL DRAWINGS
STH	STATE TRUNK HIGHWAYS
STA	STATION
SS	STORM SEWER
SSPRC	STORM SEWER PIPE REINFORCED CONCRETE
ST	STREET
STR	STRUCTURE OR STRUCTURAL
SE	SUPERELEVATION
T	TANGENT
TEMP	TEMPORARY
TI	TEMPORARY INTEREST
TLE	TEMPORARY LIMITED EASEMENT
t	TON
T	TOWN
T/L	TRANSIT LINE
T	TRUCKS (PERCENT OF)
TYP	TYPICAL
USH	UNITED STATES HIGHWAY
VAR	VARIABLE
V	VELOCITY OF DESIGN SPEED
VERT	VERTICAL
VC	VERTICAL CURVE
VOL	VOLUME
WM	WATER MAIN
WV	WATER VALVE
W	WEST
WB	WESTBOUND
YD	YARD

END CONSTRUCTION
STA 1959+75 SB

END PROJECT
STA 1959+47 NB

END CONSTRUCTION NB
STA 1955+50 NB

BEGIN CONSTRUCTION
STA 1585+52 SB

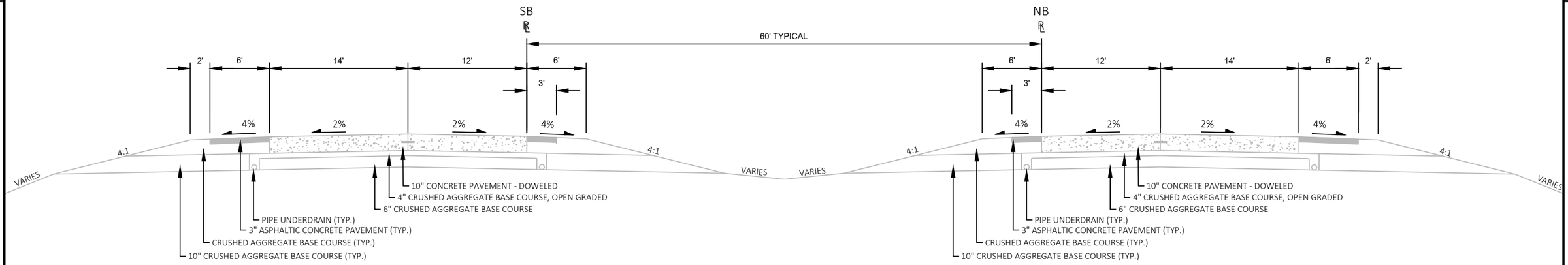
BEGIN PROJECT
STA 1585+50 NB

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	PROJECT OVERVIEW	SHEET 4 E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\020201_PO.DWG
LAYOUT NAME - 1

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WISDOT/CADDS SHEET 42

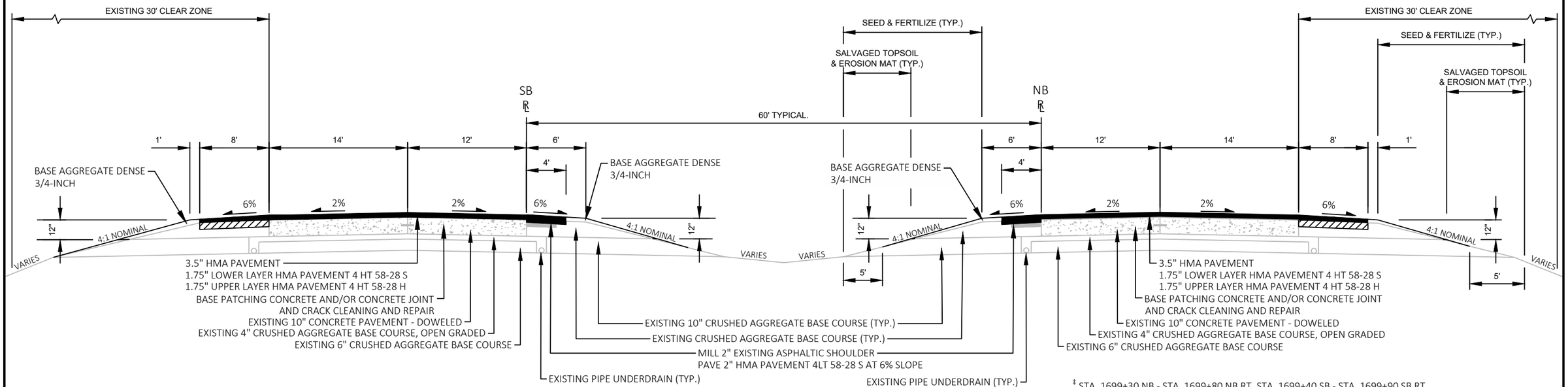


EXISTING TYPICAL SECTION
USH 151

STA. 1585+50 NB - STA. 1955+50 NB
STA. 1585+52 SB - STA. 1959+75 SB

CLEAR ZONE = 30'

2



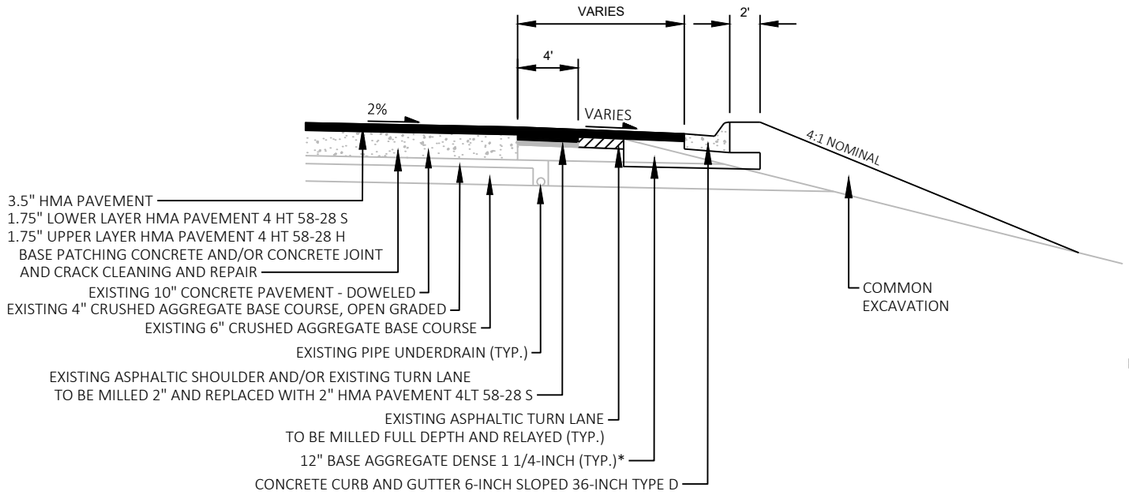
PROPOSED TYPICAL SECTION
USH 151

STA. 1585+50 NB - STA. 1955+50 NB
STA. 1585+52 SB - STA. 1959+75 SB

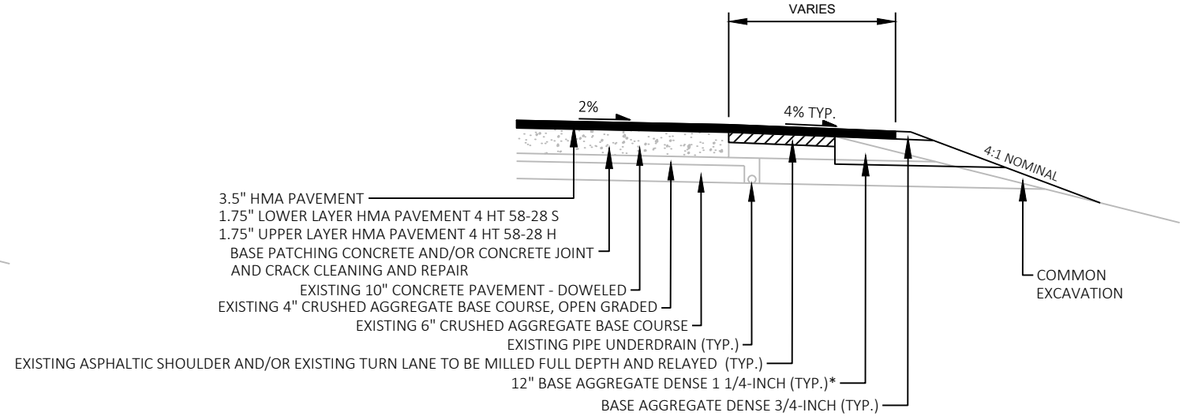
‡ STA. 1699+30 NB - STA. 1699+80 NB RT, STA. 1699+40 SB - STA. 1699+90 SB RT EXISTING ASPHALT SHOULDER TO BE MILLED TO A DEPTH OF 2 INCHES AND RELAYED AT A 6% SLOPE TO AVOID CONFLICT WITH LOOP DETECTOR CONDUIT UNDER SHOULDERS

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	PROPOSED TYPICAL SECTION	SHEET 6	E

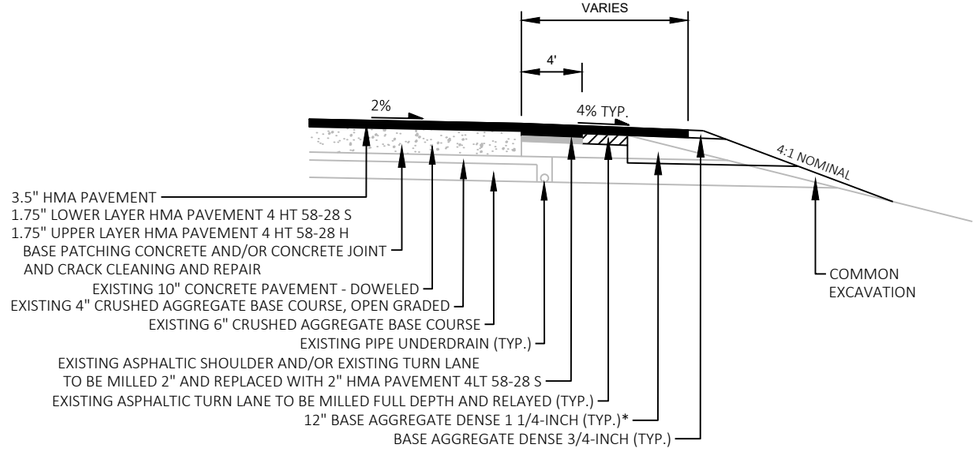
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LAYOUT NAME - PROPOSED
PLOT DATE : 9/25/2019 8:58 AM
PLOT BY : THOMPSON, BENJAMIN P
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42



WIDENING FOR MEDIAN OPENINGS
WITH CURB AND GUTTER



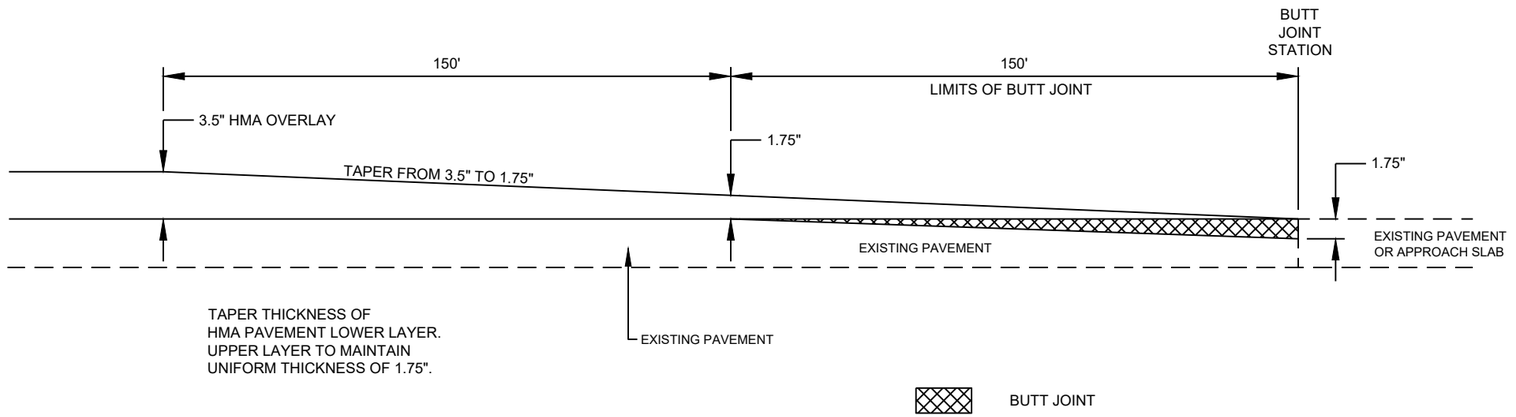
WIDENING FOR OUTSIDE TURN LANES



WIDENING FOR MEDIAN TURN LANES

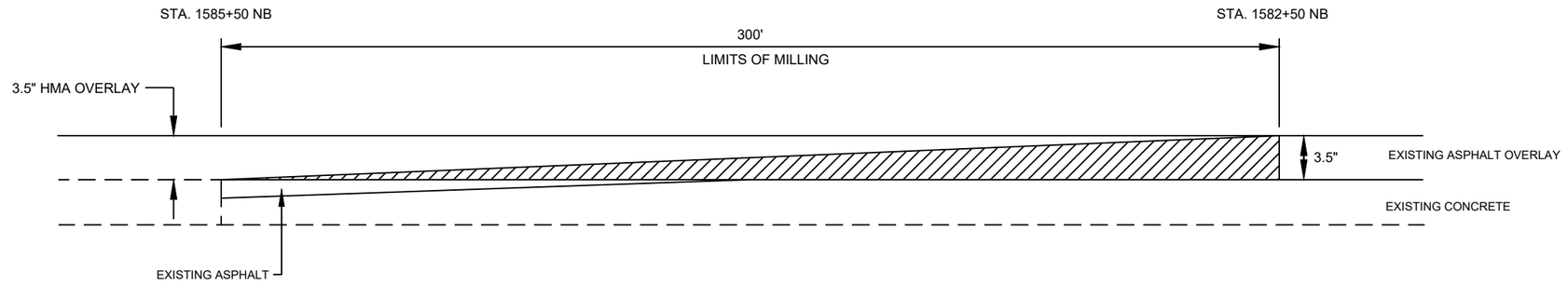
* NO SHOULDER CUT-OUT AREA WILL BE NECESSARY FOR
EXISTING 12' TURN LANE AREAS

2



BUTT JOINT DETAIL

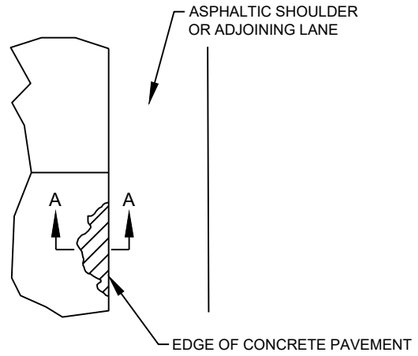
STA. 1585+52 SB
STA. 1955+50 NB
STA. 1959+75 SB



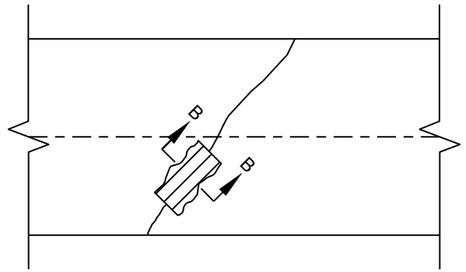
MILLING INTO PREVIOUS PROJECT

STA. 1585+50 NB

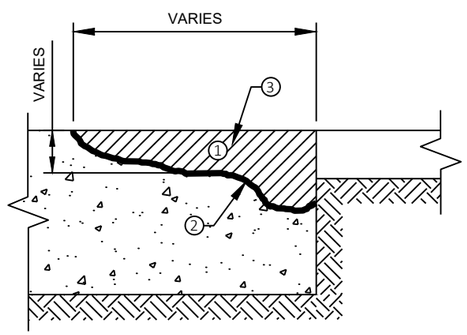
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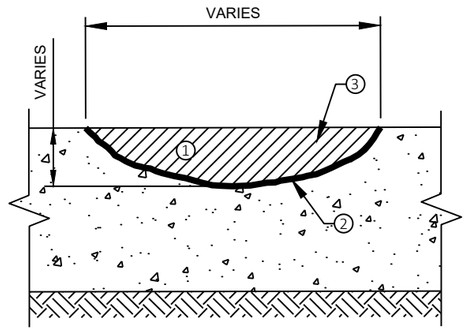
PLAN VIEW



PLAN VIEW



SECTION A-A

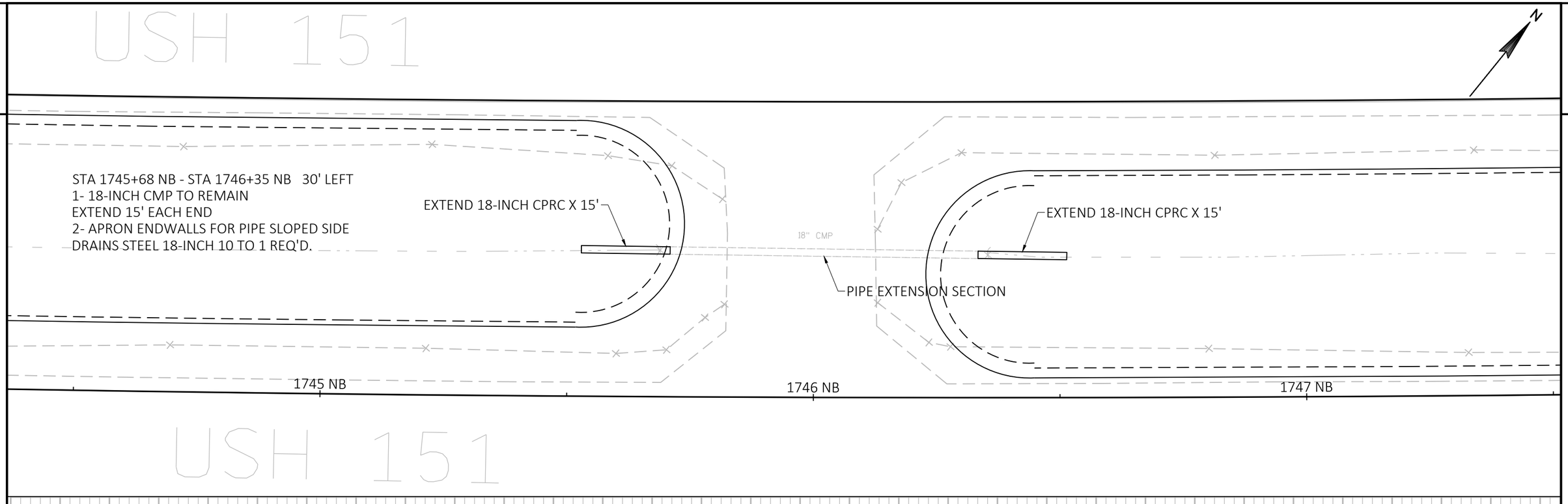


SECTION B-B

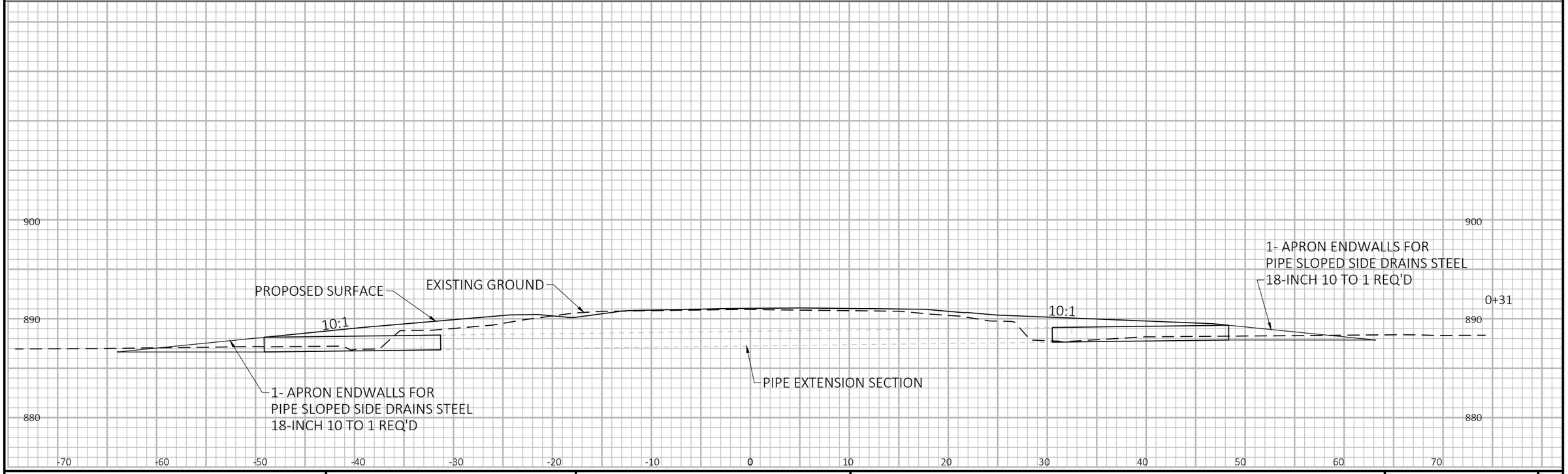
1. REMOVE ALL UNSOUND AND DETERIORATED MATERIAL
2. BLOW OUT REPAIR AREAS WITH 80 PSI MINIMUM COMPRESSED AIR - TACK COAT REQUIRED - PAID FOR UNDER CONCRETE JOINT AND CRACK CLEANING AND REPAIR
3. ASPHALTIC SURFACE

CONCRETE JOINT AND CRACK CLEANING AND REPAIR

USH 151

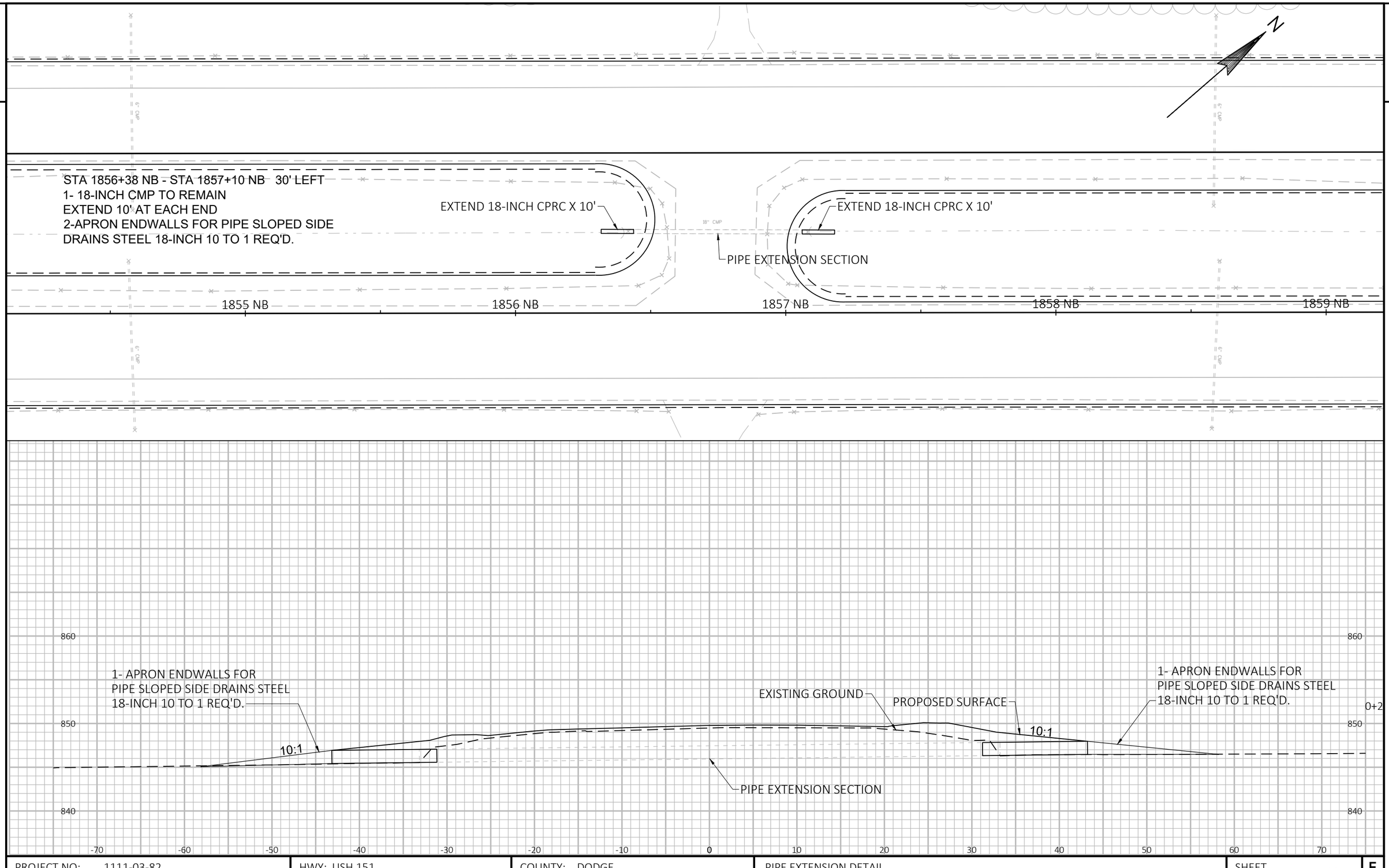


USH 151



PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	PIPE EXTENSION DETAIL	SHEET 10	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\021002_CD.DWG
LAYOUT NAME - Plan 1 IN 40 FT
PLOT DATE : 6/27/2019 12:55 PM
PLOT BY : HERRERA BAUTISTA, PE
PLOT NAME :
PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 44



PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	PIPE EXTENSION DETAIL	SHEET 11	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\021002_CD.DWG
LAYOUT NAME - Layout1-Plan 1 IN 40 FT
PLOT DATE : 6/27/2019 12:56 PM
PLOT BY : HERRERA BAUTISTA, PE
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 44

2

2

STA 1914+48 NB - STA 1915+27 NB 35' LEFT
1-18-INCH CMP TO REMAIN
EXTEND 15' DOWN-STA
2-APRON ENDWALLS FOR PIPE SLOPED SIDE
DRAINS STEEL 18-INCH 10 TO 1 REQ'D.

EXTEND 18-INCH CPRC X 15'

18" CMP

PIPE EXTENSION SECTION

USH 151

1913 NB

1914 NB

1915 NB

1916 NB

USH 151

860

850

840

EXISTING GROUND

PROPOSED SURFACE

10:1

1-APRON ENDWALLS FOR
PIPE SLOPED SIDE DRAINS STEEL
18-INCH 10 TO 1 REQ'D.

10:1

1-APRON ENDWALLS FOR
PIPE SLOPED SIDE DRAINS STEEL
18-INCH 10 TO 1 REQ'D.

PIPE EXTENSION SECTION

0+35

-70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70

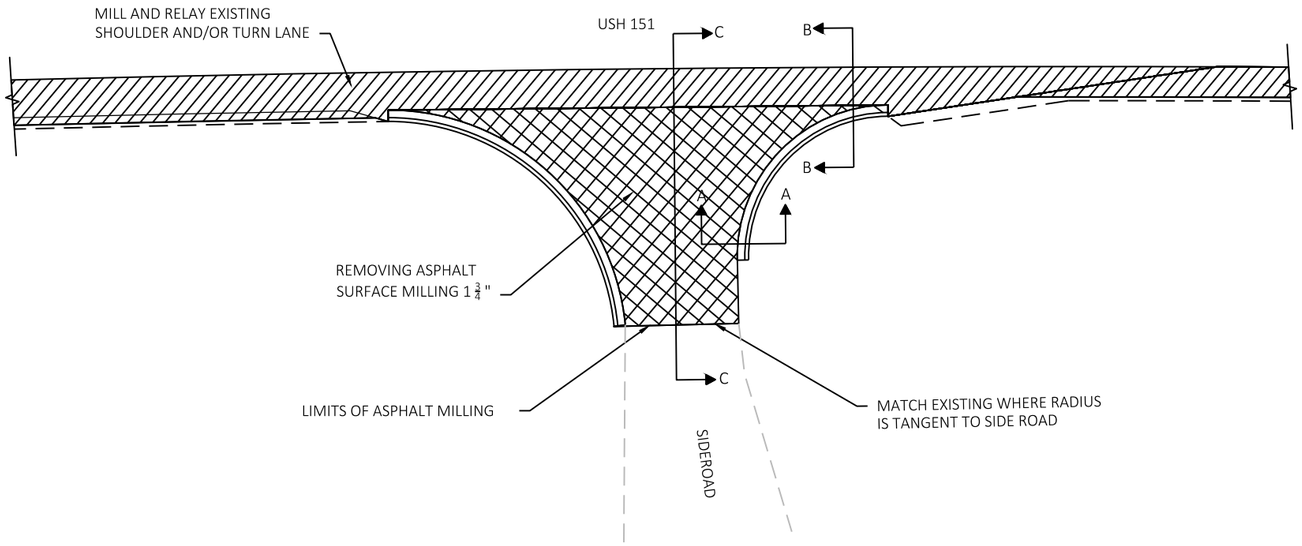
PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	PIPE EXTENSION DETAIL	SHEET 12	E

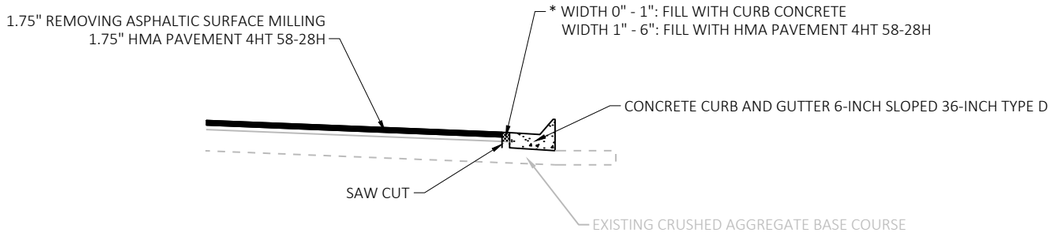
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LAYOUT NAME - Layout2-Plan 1 IN 40 FT

PLOT DATE : 6/27/2019 12:56 PM PLOT BY : HERRERA BAUTISTA, PE PLOT NAME : PLOT SCALE : 1 IN:10 FT

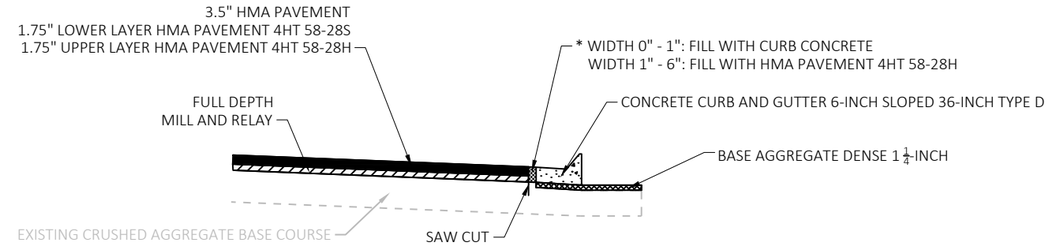
WISDOT/CADDS SHEET 44

2

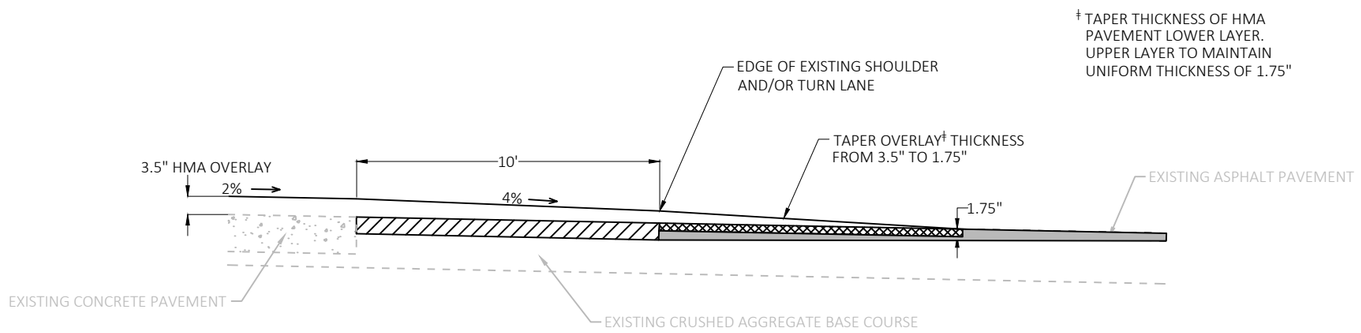




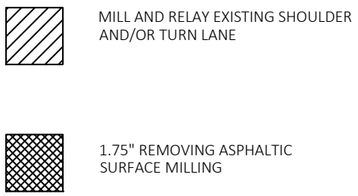
SECTION A-A



SECTION B-B

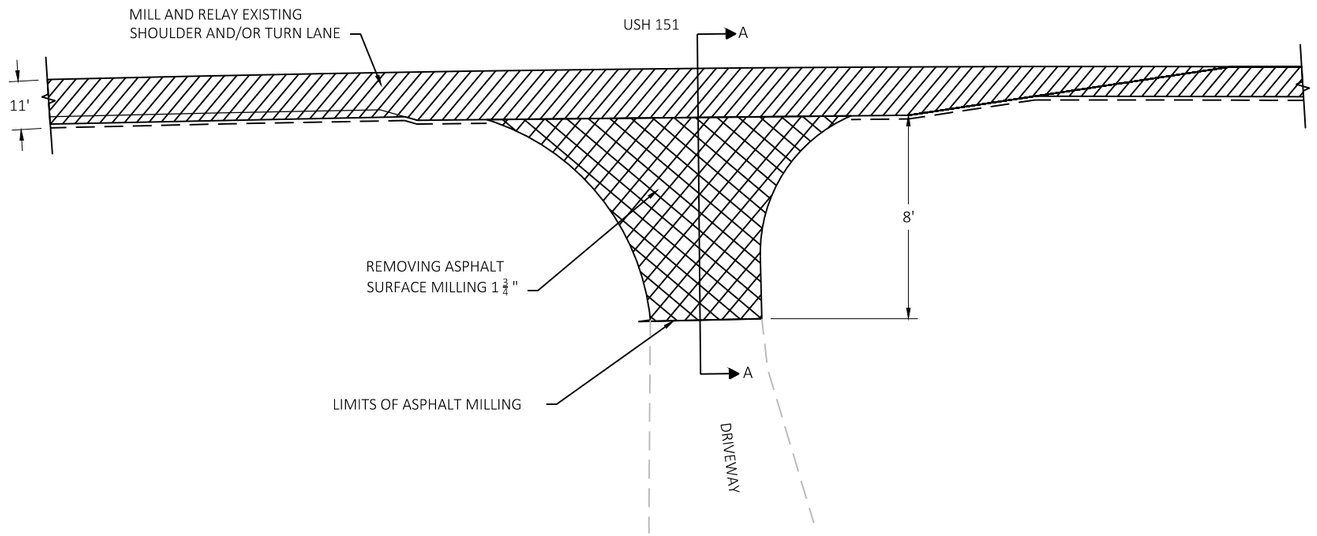


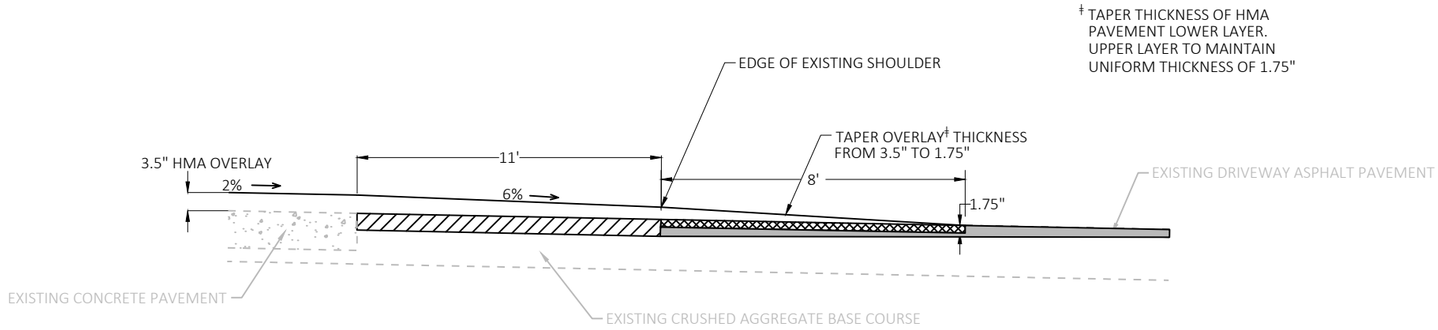
SECTION C-C



PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CONSTRUCTION DETAILS - SIDE ROAD INTERSECTIONS	SHEET 13	E

2





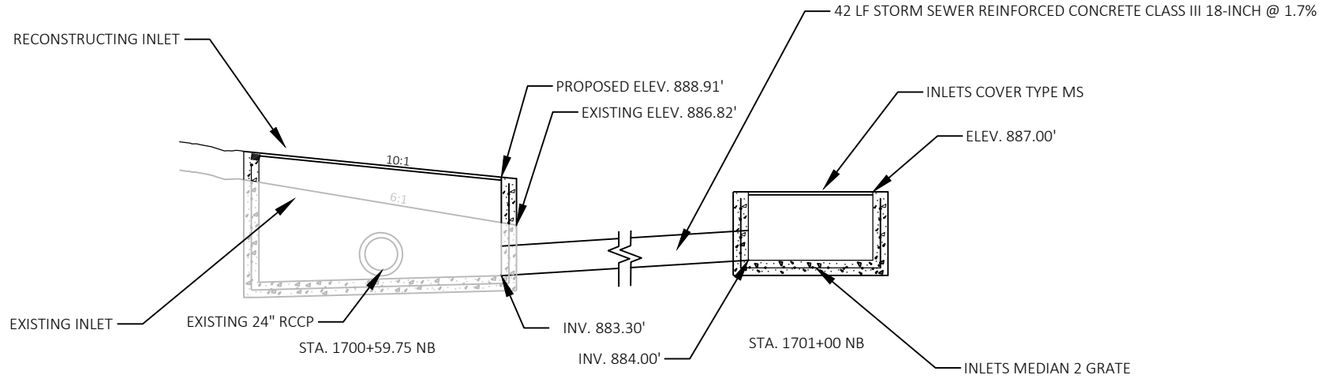
MILL AND RELAY EXISTING SHOULDER AND/OR TURN LANE

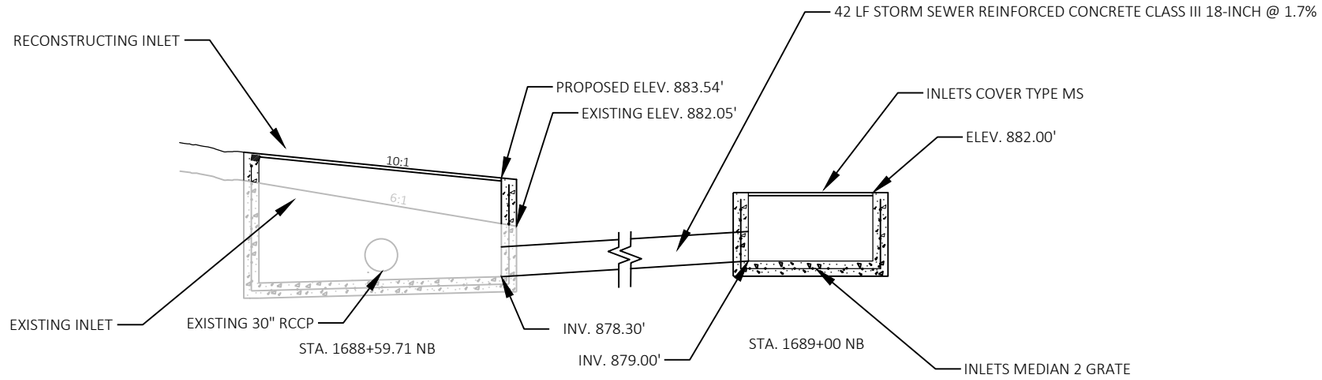
1.75" REMOVING ASPHALTIC SURFACE MILLING

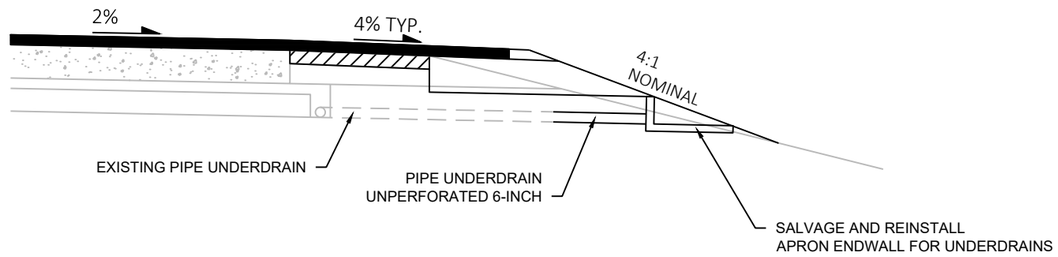
SECTION A-A

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CONSTRUCTION DETAILS DRIVEWAYS	SHEET 14	E

2


RECONSTRUCTING INLET
42 LF STORM SEWER REINFORCED CONCRETE CLASS III 18-INCH @ 1.7%
PROPOSED ELEV. 888.91'
EXISTING ELEV. 886.82'
INLETS COVER TYPE MS
ELEV. 887.00'
10:1
6:1
EXISTING INLET
EXISTING 24" RCCP
STA. 1700+59.75 NB
INV. 883.30'
INV. 884.00'
STA. 1701+00 NB
INLETS MEDIAN 2 GRATE

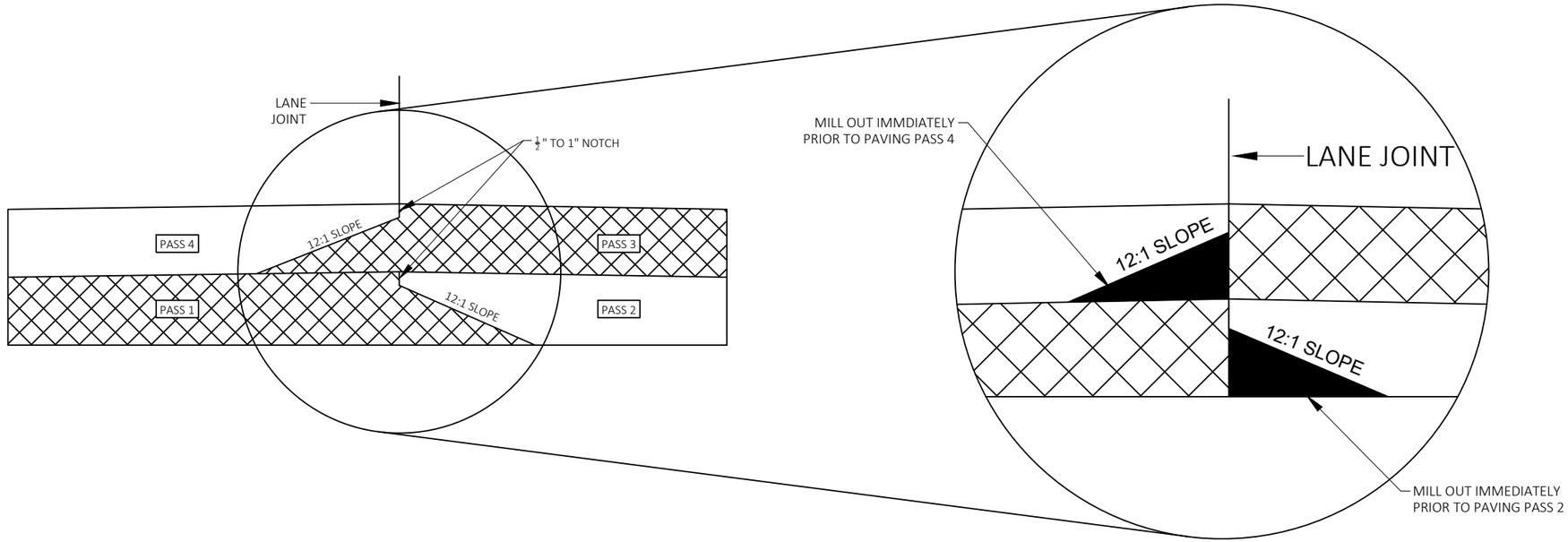

RECONSTRUCTING INLET
42 LF STORM SEWER REINFORCED CONCRETE CLASS III 18-INCH @ 1.7%
PROPOSED ELEV. 883.54'
EXISTING ELEV. 882.05'
INLETS COVER TYPE MS
ELEV. 882.00'
10:1
6:1
EXISTING INLET
EXISTING 30" RCCP
STA. 1688+59.71 NB
INV. 878.30'
INV. 879.00'
STA. 1689+00 NB
INLETS MEDIAN 2 GRATE



UNDERDRAIN EXTENSION DETAIL

STA. 1599+61 NB LT
STA. 1603+53 SB RT
STA. 1618+59 NB LT
STA. 1623+60 NB RT
STA. 1623+60 NB LT
STA. 1625+60 NB LT
STA. 1632+59 NB LT
STA. 1634+59 NB LT
STA. 1637+12 NB LT
STA. 1639+55 SB RT
STA. 1665+55 SB RT
STA. 1672+59 NB RT
STA. 1674+59 NB RT
STA. 1676+60 NB RT
STA. 1680+55 SB RT
STA. 1687+59 NB LT
STA. 1691+54 SB RT
STA. 1699+59 NB LT
STA. 1703+69 SB RT
STA. 1719+59 NB LT
STA. 1723+83 SB RT
STA. 1743+61 NB LT
STA. 1775+62 NB LT
STA. 1787+57 NB LT
STA. 1791+56 SB RT
STA. 1795+58 NB LT
STA. 1811+61 NB LT
STA. 1813+60 NB LT
STA. 1817+46 SB RT
STA. 1831+51 SB RT
STA. 1847+09 NB LT
STA. 1850+54 SB RT
STA. 1854+57 NB LT
STA. 1858+54 SB RT
STA. 1872+62 NB LT
STA. 1876+56 SB RT
STA. 1917+56 SB RT

2

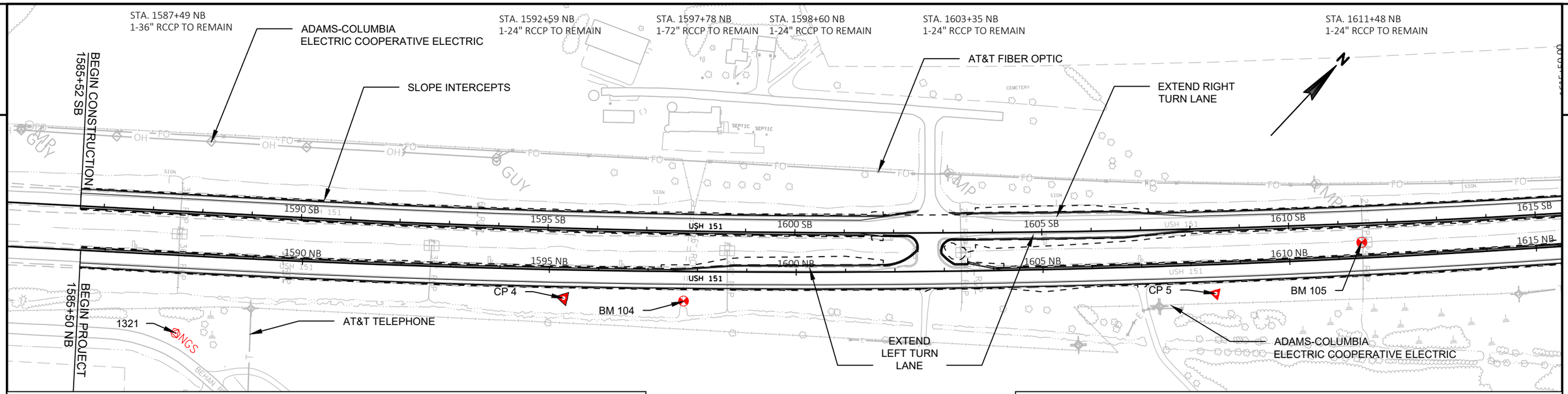


TYPICAL PAVEMENT CROSS SECTION OF TAPERED & NOTCHED LONGITUDINAL JOINTS

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	PLAN: CONSTRUCTION DETAILS	SHEET 17	E

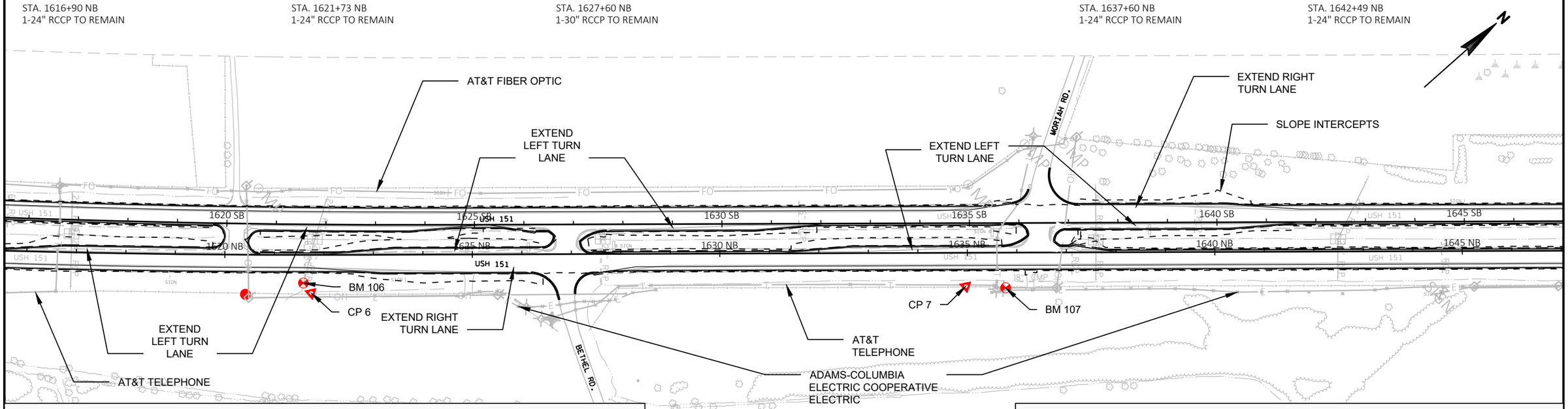
FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\SEPTMENBER CHANGES\021006_CD.DWG
LAYOUT NAME - 01

PLOT DATE : 9/25/2019 3:25 PM PLOT BY : HERRERA BAUTISTA, PE PLOT NAME : PLOT SCALE : 1 IN:10 FT



CONTROL POINTS					
NO.	STATION	OFFSET	Y	X	DESCRIPTION
4	1595+30 NB	57.44' RT	689,134.2590	809,007.9070	FENO MARKER
5	1608+48 NB	58.85' RT	690,041.9240	809,967.8530	FENO MARKER
1321	1587+51 NB	157.75' RT	688,546.7050	808,481.6220	DISC IN CONCRETE PEDESTAL

BENCHMARKS				
NO	STATION	OFFSET	DESCRIPTION	ELEV
104	1597+72 NB	60.41' RT	BM CHIS BOX ON 66" RCP	870.418
105	1611+47 NB	382.68 Lt	BM CHIS BOX ON CB	875.620
1321	1587+51 NB	157.5' RT	DISC IN CONCRETE PEDESTAL	868.590



CONTROL POINTS					
NO.	STATION	OFFSET	Y	X	DESCRIPTION
6	1621+74 NB	76.88' RT	690,998.7220	810,892.2530	FENO MARKER
7	1634+97 NB	67.62' RT	691,997.2730	811,759.8200	FENO MARKER

BENCHMARKS				
NO	STATION	OFFSET	DESCRIPTION	ELEV
106	1621+59 NB	56.70' RT	BM CHIS BOX ON 24" RCP	877.461
107	1635+77 NB	71.21' RT	SPK NS POWER POLE	883.737

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	PLAN DETAILS	SHEET 18	E

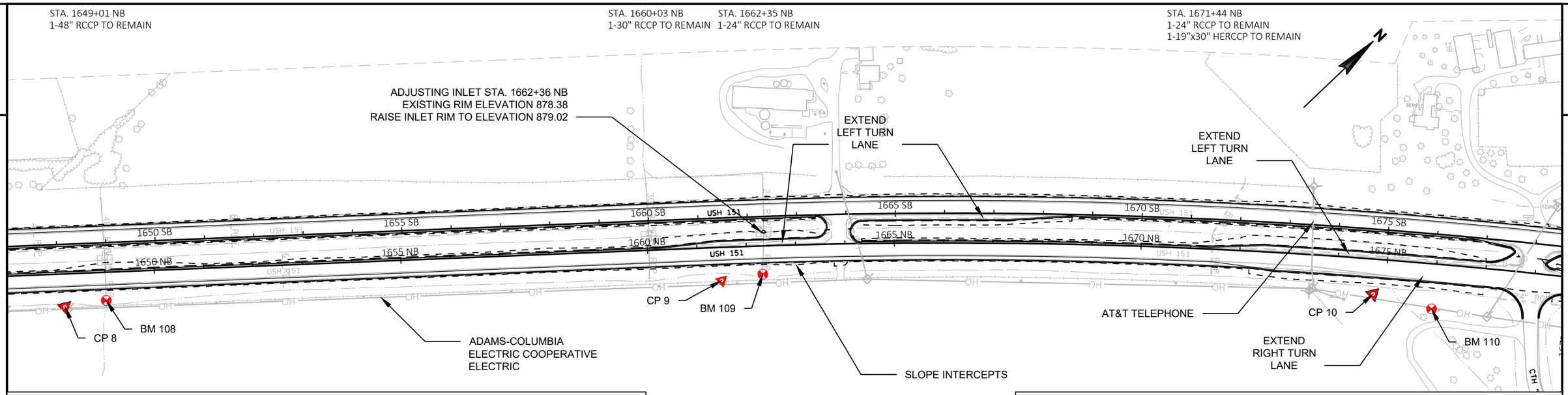
FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\050101-PN.DWG
LAYOUT NAME - PLAN - 1
PLOT DATE : 9/24/2019 11:02 AM
PLOT BY : THOMPSON, BENJAMIN P
PLOT NAME :
PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 44

STA. 1649+01 NB
1-48" RCCP TO REMAIN

STA. 1660+03 NB
1-30" RCCP TO REMAIN

STA. 1662+35 NB
1-24" RCCP TO REMAIN

STA. 1671+44 NB
1-24" RCCP TO REMAIN
1-19"x30" HERCCP TO REMAIN



CONTROL POINTS					
NO.	STATION	OFFSET	Y	X	DESCRIPTION
8	1648+16 NB	66.65' RT	692,988.2070	812,631.5550	FENO MARKER
9	1661+48 NB	67.06' RT	693,986.8770	813,511.9350	FENO MARKER
10	1675+97 NB	91.49' RT	694,986.4460	814,546.2880	FENO MARKER

BENCHMARKS				
NO	STATION	OFFSET	DESCRIPTION	ELEV
108	1649+00 NB	57.53' RT	CHIS BOX ON 48" RCP	879.328
109	1662+32 NB	57.36' RT	CHIS BOX ON 24" RCP	878.711
110	1675+97 NB	91.49' RT	SPK NW SIDE SOUTHERLY POWER POLE	882.429

STA. 1679+51 NB
1-36" RCCP TO REMAIN

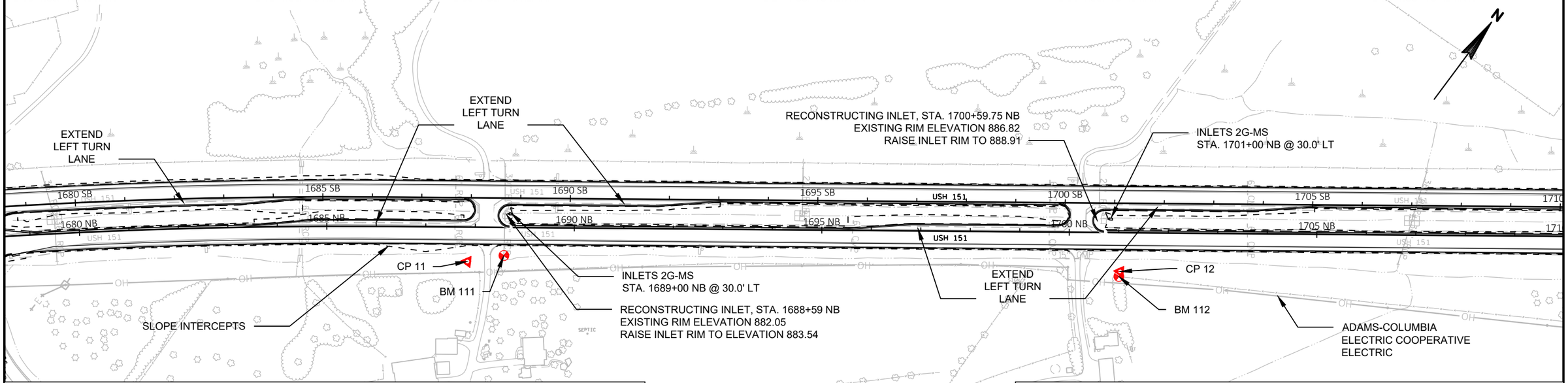
STA. 1684+47 NB
1-72" RCCP TO REMAIN

STA. 1688+59 NB
1-30" RCCP TO REMAIN

STA. 1694+60 NB
1-24" RCCP TO REMAIN

STA. 1700+60 NB
1-24" RCCP TO REMAIN

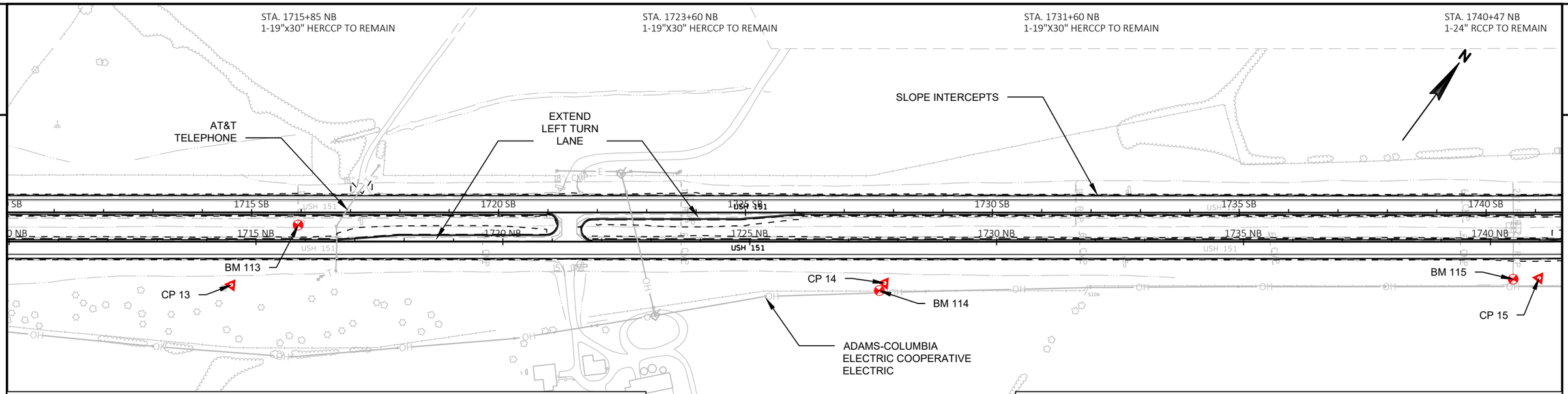
STA. 1706+83 NB
1-36" RCCP TO REMAIN



CONTROL POINTS					
NO.	STATION	OFFSET	Y	X	DESCRIPTION
11	1687+84 NB	69.50' RT	695,737.0810	815,456.4080	FENO MARKER
12	1701+03 NB	78.62' RT	696,508.5160	816,526.0020	FENO MARKER

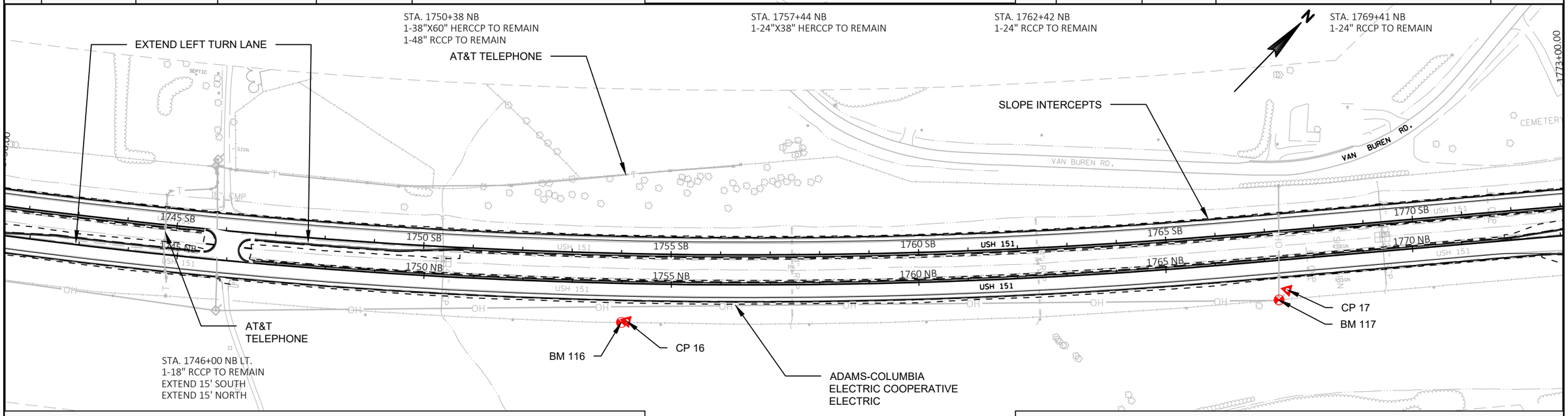
BENCHMARKS				
NO	STATION	OFFSET	DESCRIPTION	ELEV
111	1688+58 NB	56.97' RT	CHIS BOX ON 30" RCP	882.877
112	1701+01 NB	88.57' RT	SPK NS WOOD FENCE POST	892.406

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	PLAN DETAILS	SHEET 19	E



CONTROL POINTS					
NO.	STATION	OFFSET	Y	X	DESCRIPTION
13	1714+50 NB	87.73' RT	697,296.5330	817,618.2510	FENO MARKER
14	1727+73 NB	83.95' RT	698,081.0320	818,683.8490	FENO MARKER
15	1740+98 NB	73.72' RT	698,871.9980	819,747.3340	FENO MARKER

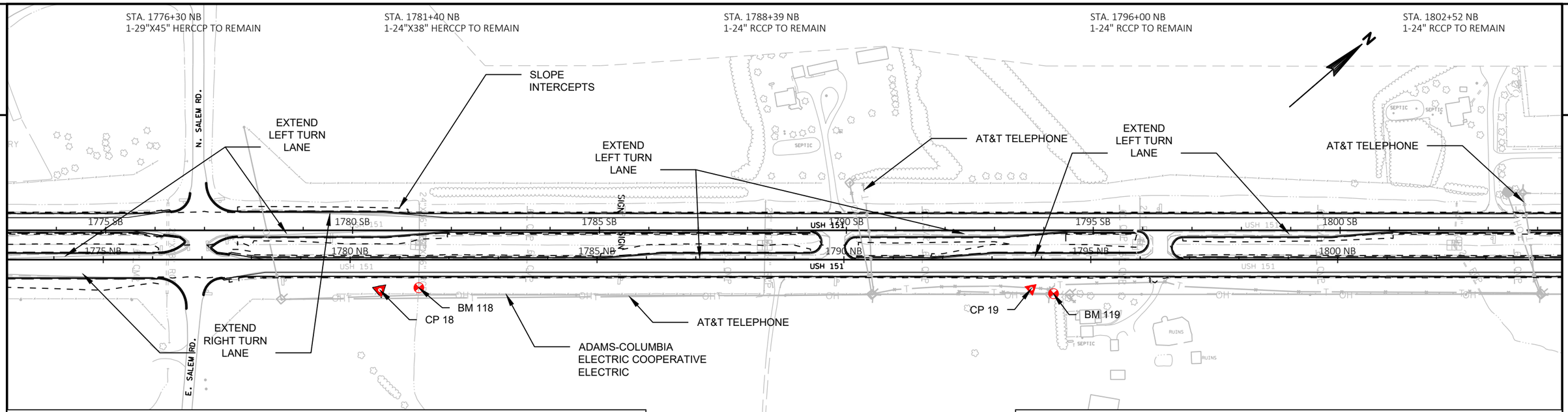
BENCHMARKS				
NO	STATION	OFFSET	DESCRIPTION	ELEV
113	1715+85 NB	33.31' LT	CHIS BOX ON 18" RCP	892.175
114	1727+62 NB	99.08' RT	SPK NS WOOD FENCE POST	903.235
115	1740+46 NB	76.03' RT	CHIS BOX ON 24" RCP	885.858



CONTROL POINTS					
NO.	STATION	OFFSET	Y	X	DESCRIPTION
16	1754 +11 NB	75.64' RT	699,712.4280	820,766.3180	FENO MARKER
17	1767+41 NB	61.11' RT	700,686.7300	821,680.9440	FENO MARKER

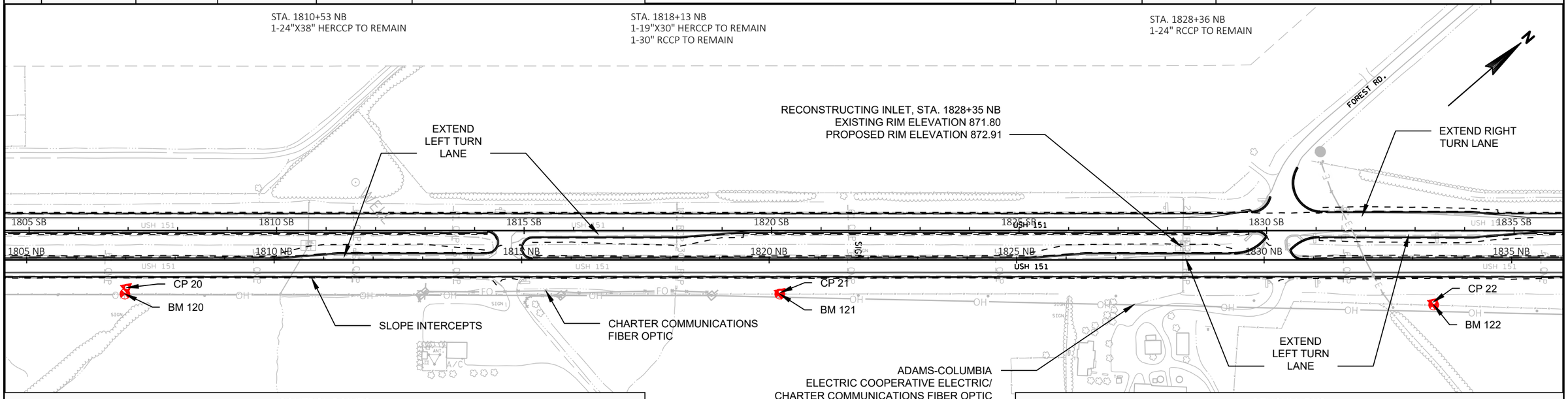
BENCHMARKS				
NO	STATION	OFFSET	DESCRIPTION	ELEV
116	1754+01 NB	78.72' RT	SPK NS WOOD FENCE POST	881.002
117	1767+22 NB	79.95' RT	SPK NS POWER POLE	879.648

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	PLAN DETAILS	SHEET 20	E



CONTROL POINTS					
NO.	STATION	OFFSET	Y	X	DESCRIPTION
18	1780+61 NB	61.62' RT	701,682.9560	822,545.6570	FENO MARKER
19	1793+79 NB	59.03' RT	702,681.2730	823,408.0860	FENO MARKER

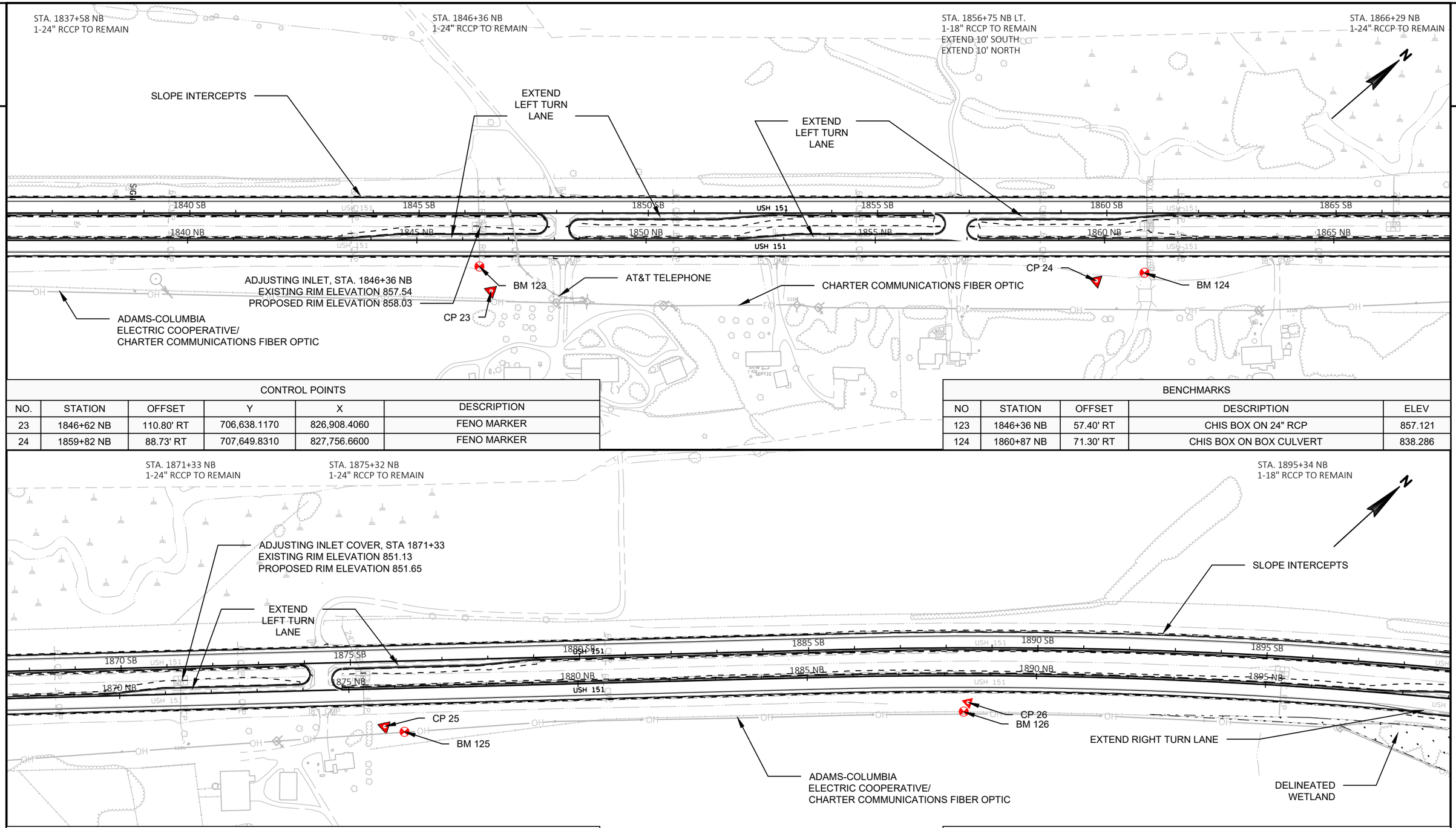
BENCHMARKS				
NO	STATION	OFFSET	DESCRIPTION	ELEV
118	1781+39 NB	56.99' RT	CHIS BOX ON 24"X36" RCP	885.560
119	1794+24 NB	69.17' RT	SPK NS WOOD FENCE POST	875.649



CONTROL POINTS					
NO.	STATION	OFFSET	Y	X	DESCRIPTION
20	1807+02 NB	56.26' RT	703,682.1170	824,272.4520	FENO MARKER
21	1820+22 NB	66.11' RT	704,673.3440	825,145.1920	FENO MARKER
22	1833+42 NB	86.33' RT	705,657.0980	826,025.1790	FENO MARKER

BENCHMARKS				
NO	STATION	OFFSET	DESCRIPTION	ELEV
120	1806+98 NB	69.07' RT	SPK NS WOOD FENCE POST	866.2010
121	1820+21 NB	69.00' RT	SPK NS WOOD FENCE POST	869.5040
122	1833+42 NB	90.97' RT	SPK NS WOOD FENCE POST	870.6890

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	PLAN DETAILS	SHEET 21	E



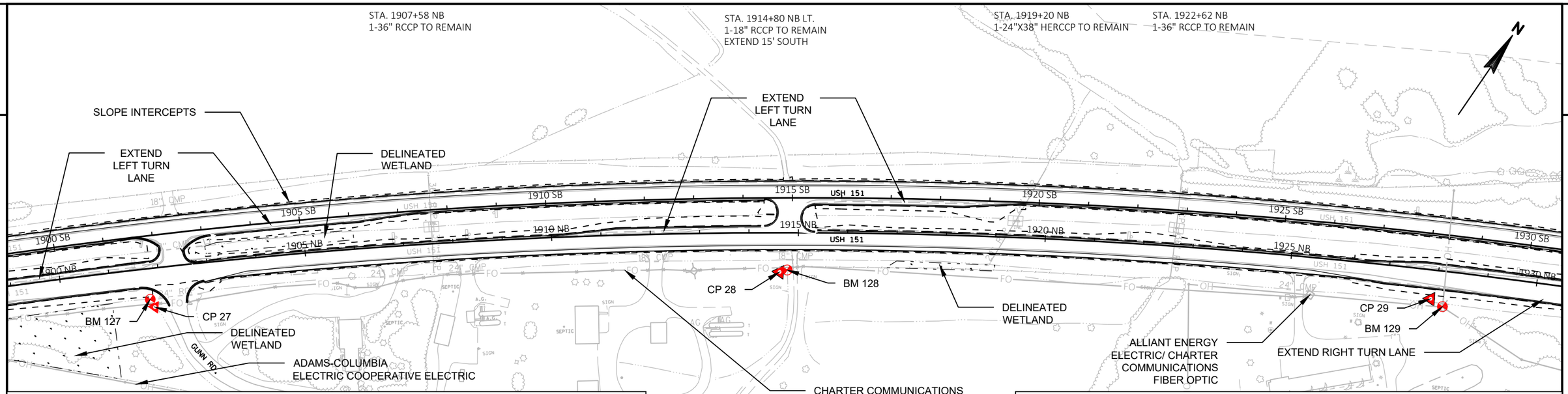
CONTROL POINTS					
NO.	STATION	OFFSET	Y	X	DESCRIPTION
23	1846+62 NB	110.80' RT	706,638.1170	826,908.4060	FENO MARKER
24	1859+82 NB	88.73' RT	707,649.8310	827,756.6600	FENO MARKER

BENCHMARKS				
NO	STATION	OFFSET	DESCRIPTION	ELEV
123	1846+36 NB	57.40' RT	CHIS BOX ON 24" RCP	857.121
124	1860+87 NB	71.30' RT	CHIS BOX ON BOX CULVERT	838.286

CONTROL POINTS					
NO.	STATION	OFFSET	Y	X	DESCRIPTION
25	1875+76 NB	82.78' RT	708,857.9560	828,796.6010	FENO MARKER
26	1888+51 NB	58.76' RT	709,832.7130	829,616.1330	FENO MARKER

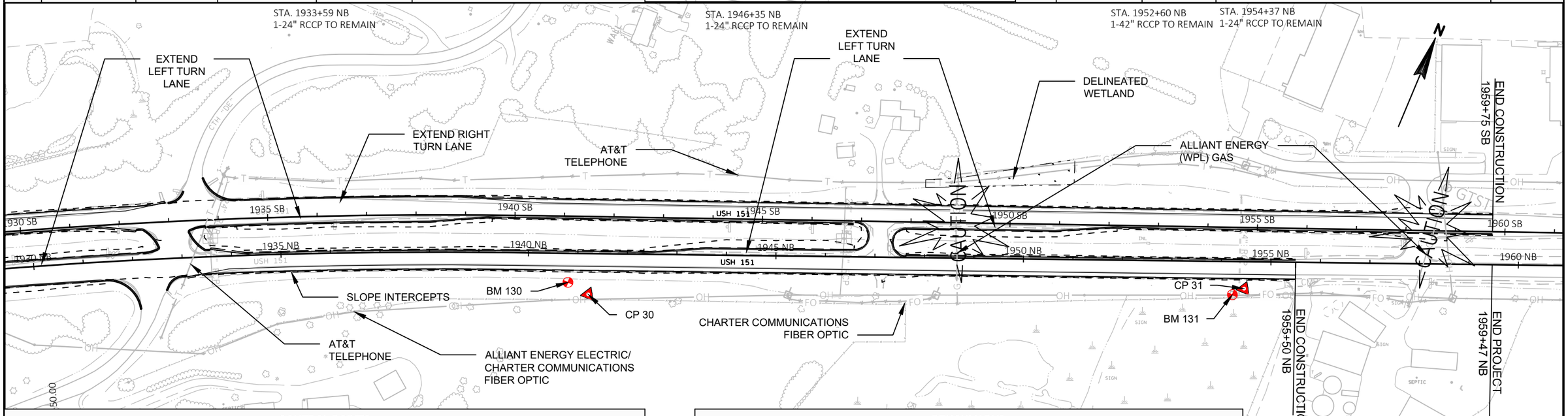
BENCHMARKS				
NO	STATION	OFFSET	DESCRIPTION	ELEV
125	1876+19 NB	95.17' RT	SPK WS POWER POLE	864.601
126	1888+41 NB	79.04' RT	SPK WS WOOD FENCE POST	858.399

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	PLAN DETAILS	SHEET 22	E



CONTROL POINTS					
NO.	STATION	OFFSET	Y	X	DESCRIPTION
27	1901+85 NB	78.97' RT	710,740.8310	830,581.3560	FENO MARKER
28	1914+62 NB	79.67' RT	711,513.4330	831,585.7340	FENO MARKER
29	1927+90 NB	58.77' RT	712,212.5410	832,704.7880	FENO MARKER

BENCHMARKS				
NO	STATION	OFFSET	DESCRIPTION	ELEV
127	1901+77 NB	62.80' RT	CHIS BOX ON 24" RCP	850.692
128	1914+77 NB	75.56' RT	ES CB RIM	850.698
129	1928+16 NB	71.92' RT	SPK WS POWER POLE	864.543



CONTROL POINTS					
NO.	STATION	OFFSET	Y	X	DESCRIPTION
30	1940+80 NB	58.78' RT	712,746.4330	833,872.6020	FENO MARKER
31	1954+46 NB	54.69' RT	713,260.2620	835,138.2730	FENO MARKER

BENCHMARKS				
NO	STATION	OFFSET	DESCRIPTION	ELEV
130	1940+80 NB	58.78' RT	NW BOLT W LEG SIGN	883.801
131	1954+23 NB	67.17' RT	SPK SS POWER POLE	868.538

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	PLAN DETAILS	SHEET 23	E

2

2

SIGN

1 FT. GRAVEL SHOULDER

USH 151

1595 SB 1596 SB 1597 SB 1598 SB 1599 SB 1600 SB

2 FT GRAVEL SHOULDER

INL

SLOPE INTERCEPT

STA. 1597+51 NB
4.0' LT.

STA. 1598+76 NB
14.0' LT.

1 FT GRAVEL SHOULDER

1595 NB 1596 NB 1597 NB 1598 NB 1599 NB 1600 NB

USH 151

1 FT GRAVEL SHOULDER

N

STA. 1599+61 NB LT
EXTEND EXISTING PIPE UNDERDRAIN UNPERFORATED 6-INCH BY 7 FT.
SALVAGE AND REINSTALL APRON ENDWALL FOR UNDERDRAINS.

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	INTERSECTION DETAILS	SHEET 24	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\021101-ID.DWG
LAYOUT NAME - 1
PLOT DATE : 9/26/2019 9:26 AM
PLOT BY : HERRERA BAUTISTA, PE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2

STA. 1603+53 SB RT.
EXTEND EXISTING PIPE UNDERDRAIN UNPERFORATED 6-INCH BY 6 FT.
SALVAGE AND REINSTALL APRON ENDWALL FOR UNDERDRAINS.

MILLING LIMIT
(SEE CONSTRUCTION DETAILS - SIDE ROAD INTERSECTIONS)

MAIER RD.

AT&T FIBER

SIGN

STA. 1602+49 SB
44.0 LT.

STA. 1601+76 SB
34.0' LT.

1 FT GRAVEL SHOULDER

75'

1-CC3

STA. 1601+55 SB
4.00' RT.

1600 SB | 1601 SB | 1602 SB | 1603 SB | 1604 SB | 1605 SB

1-PT1 | 1-PC2

2 FT. GRAVEL SHOULDER

1-CC2

1-PC3

SLOPE INTERCEPT

1-PT4

1600 NB | 1601 NB | 1602 NB | 1603 NB | 1604 NB | 1605 NB

USH 151

1-CC5

02-02 DO NOT ENTER R5-1 MOVING SIGNS

02-03 WRONG WAY R5-1A MOVING SIGNS

02-01 R4-7 MOVING SIGNS

1-PC4 | 1-PT5

1 FT. GRAVEL SHOULDER

1-CC4

1-PC5

1-PT6 | 1-PT7

3 FT. GRAVEL SHOULDERS

SLOPE INTERCEPT

STA. 1604+01 NB
4.0 LT.

2 FT. GRAVEL SHOULDER

1 FT GRAVEL SHOULDER

02-04 ONE WAY R6-2L MOVING SIGNS

SLOPE INTERCEPT

LEGEND

EXISTING SIGN

PROPOSED SIGN

NOTE: THE RADII ARE MEASURED TO THE FLAG LINE AND EDGE OF PAVEMENT

ASPHALTIC FLUMES VARY IN SIZE. EXTEND TO MATCH PROPOSED SLOPE INTERCEPT. DO NOT DISTURB EXISTING GROUND SURFACE.

STATION & OFFSET TABLE

POINT	STATION	OFFSET	STATION	OFFSET	RADIUS	ELEVATION
1-CC2	1602+23 NB	49.1 LT	1602+25 SB	29.2 RT	25	N/A
1-CC3	1601+77 NB	107.0 LT	1601+78 SB	28.3 LT	95	N/A
1-CC4	1603+18 NB	40.5 LT	1603+20 SB	37.0 RT	25	N/A
1-CC5	1603+67 NB	95.0 LT	1603+68 SB	17.9 LT	95	N/A
1-PC2	1602+23 NB	74.1 LT	1602+25 SB	4.2 RT	N/A	875.65
1-PC3	1602+47 NB	43.2 LT	1602+49 SB	34.9 RT	N/A	875.89
1-PC4	1603+18 NB	65.5 LT	1603+20 SB	12.0 RT	N/A	875.30
1-PC5	1602+94 NB	34.8 LT	1602+95 SB	42.9 RT	N/A	876.01
1-PT1	1601+77 NB	74.7 LT	1601+79 SB	4.1 RT	N/A	875.41
1-PT4	1601+77 NB	12.0 LT	1601+79 SB	66.7 RT	N/A	875.95
1-PT5	1603+64 NB	65.2 LT	1603+66 SB	12.0 RT	N/A	875.65
1-PT6	1603+21 NB	12.0 LT	1603+23 SB	65.5 RT	N/A	876.29
1-PT7	1603+48 NB	12.0 LT	1603+50 SB	65.3 RT	N/A	876.50

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	INTERSECTION DETAILS	SHEET 25	E

2

2

SIGN

SLOPE INTERCEPT

AT&T FIBER

1 FT GRAVEL SHOULDER

STA. 1606+51 SB
40.0' LT.

STA. 1607+27 SB
34.0' LT.

USH 151

5 SB

1606 SB

1607 SB

1608 SB

1609 SB

1610 SB

1611 SB

1 FT GRAVEL SHOULDER

STA. 1606+65 SB
14.0' RT.

STA. 1607+90 SB
4.00' RT.

2 FT GRAVEL SHOULDER

SLOPE INTERCEPT

2 FT GRAVEL SHOULDER

5 NB

1606 NB

1607 NB

1608 NB

1609 NB

1610 NB

1611 NB

USH 151

SLOPE INTERCEPT

1 FT GRAVEL SHOULDER

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	INTERSECTION DETAILS	SHEET 26	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\021101-ID.DWG
LAYOUT NAME - 3

PLOT DATE : 9/26/2019 9:27 AM

PLOT BY : HERRERA BAUTISTA, PE

PLOT NAME :

PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

2

AT&T FIBER OPTIC

FO

SIGN

1 FT GRAVEL SHOULDER

SLOPE INTERCEPT

USH 151

2 FT GRAVEL SHOULDER

1613 SB

1614 SB

1615 SB

1616 SB

1617 SB

1618 SB

INL

SLOPE INTERCEPT

2 FT GRAVEL SHOULDER

1 FT GRAVEL SHOULDER

1613 NB

1614 NB

1615 NB

1616 NB

1617 NB

1618 NB

STA. 1615+49 NB
4.00' LT.

USH 151

STA. 1616+75 NB
14.0' LT.

1 FT GRAVEL SHOULDER

SLOPE INTERCEPT

AT&T TELEPHONE

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	INTERSECTION DETAILS	SHEET 27	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\021101-ID.DWG
LAYOUT NAME - 4

PLOT DATE : 9/26/2019 9:27 AM

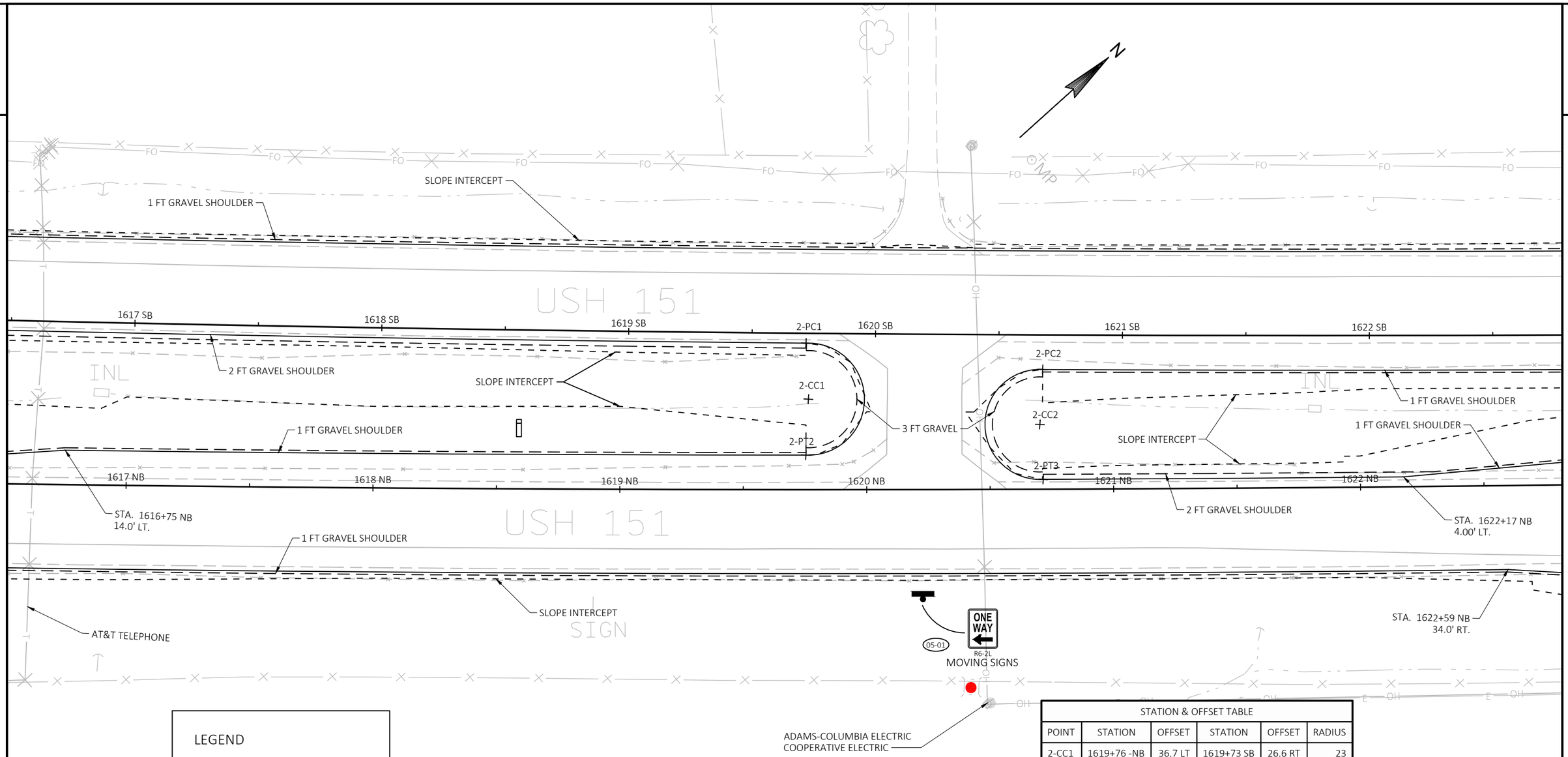
PLOT BY : HERRERA BAUTISTA, PE

PLOT NAME :

PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2



LEGEND

EXISTING SIGN

PROPOSED SIGN

STA. 1618+59 NB LT.
EXTEND EXISTING PIPE UNDERDRAIN UNPERFORATED 6-INCH BY 7 FT.
SALVAGE AND REINSTALL APRON ENDWALL FOR UNDERDRAINS.

STATION & OFFSET TABLE

POINT	STATION	OFFSET	STATION	OFFSET	RADIUS
2-CC1	1619+76 -NB	36.7 LT	1619+73 SB	26.6 RT	23
2-CC2	1620+70 -NB	26.3 LT	1620+67 SB	36.2 RT	22
2-PC1	1619+75 -NB	59.3 LT	1619+72 SB	4.0 RT	N/A
2-PC2	1620+71 -NB	48.5 LT	1620+68 SB	14.0 RT	N/A
2-PT2	1619+75 -NB	14.0 LT	1619+72 SB	49.3 RT	N/A
2-PT3	1620+71 -NB	4.0 LT	1620+68 SB	58.5 RT	N/A

2

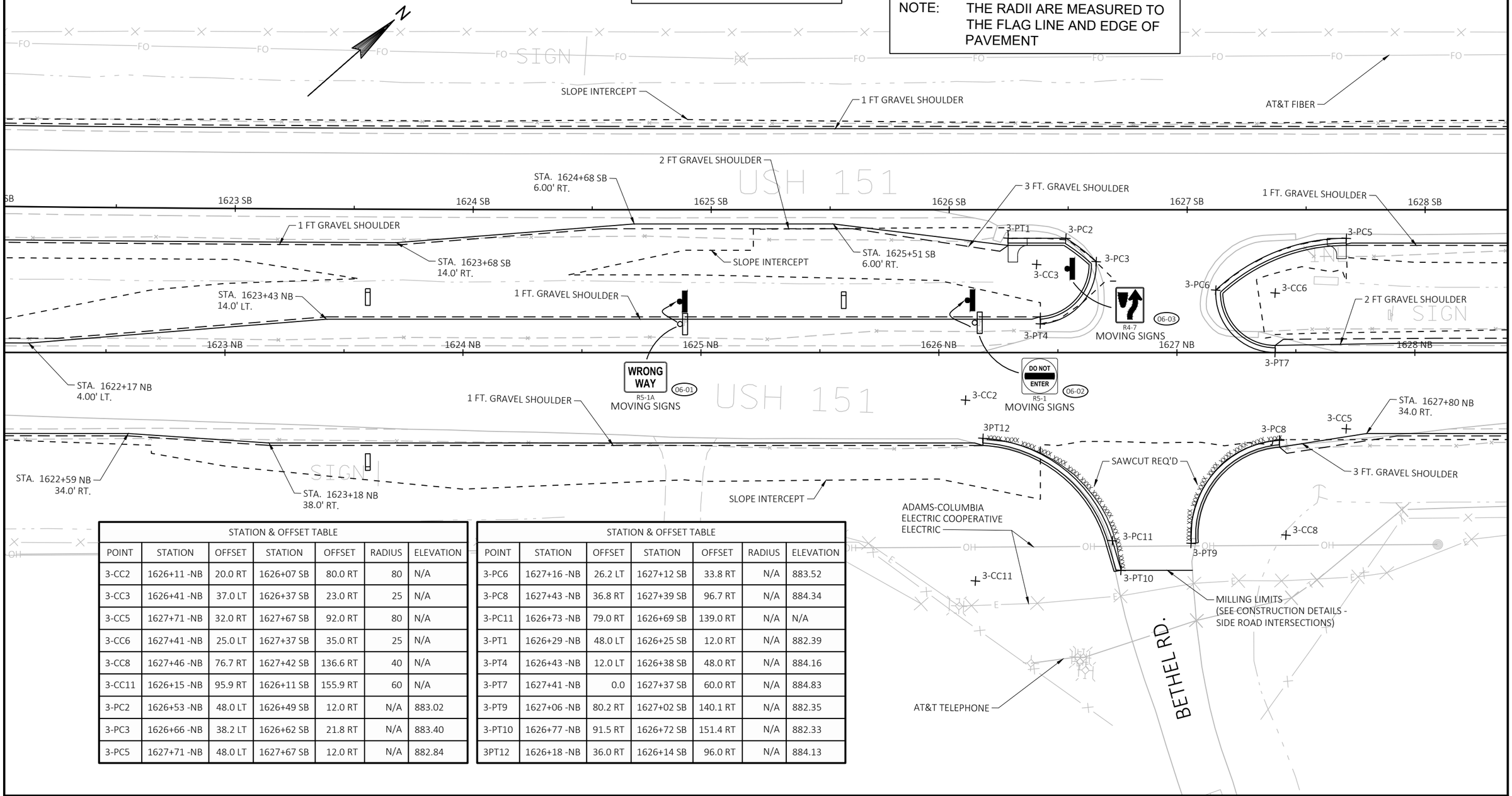
STA. 1623+60 NB EXTEND BY 6 FT. RT. & 8 FT. LT.
STA. 1625+60 NB EXTEND BY 8 FT. LT.
EXISTING PIPE UNDERDRAIN UNPERFORATED 6-INCH.
SALVAGE AND REINSTALL APRON ENDWALL FOR UNDERGRAINS.

LEGEND

EXISTING SIGN
PROPOSED SIGN

ASPHALTIC FLUMES VARY IN SIZE. EXTEND TO MATCH PROPOSED SLOPE INTERCEPT. DO NOT DISTURB EXISTING GROUND SURFACE.

NOTE: THE RADII ARE MEASURED TO THE FLAG LINE AND EDGE OF PAVEMENT



STATION & OFFSET TABLE						
POINT	STATION	OFFSET	STATION	OFFSET	RADIUS	ELEVATION
3-CC2	1626+11 -NB	20.0 RT	1626+07 SB	80.0 RT	80	N/A
3-CC3	1626+41 -NB	37.0 LT	1626+37 SB	23.0 RT	25	N/A
3-CC5	1627+71 -NB	32.0 RT	1627+67 SB	92.0 RT	80	N/A
3-CC6	1627+41 -NB	25.0 LT	1627+37 SB	35.0 RT	25	N/A
3-CC8	1627+46 -NB	76.7 RT	1627+42 SB	136.6 RT	40	N/A
3-CC11	1626+15 -NB	95.9 RT	1626+11 SB	155.9 RT	60	N/A
3-PC2	1626+53 -NB	48.0 LT	1626+49 SB	12.0 RT	N/A	883.02
3-PC3	1626+66 -NB	38.2 LT	1626+62 SB	21.8 RT	N/A	883.40
3-PC5	1627+71 -NB	48.0 LT	1627+67 SB	12.0 RT	N/A	882.84

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	STATION	OFFSET	RADIUS	ELEVATION
3-PC6	1627+16 -NB	26.2 LT	1627+12 SB	33.8 RT	N/A	883.52
3-PC8	1627+43 -NB	36.8 RT	1627+39 SB	96.7 RT	N/A	884.34
3-PC11	1626+73 -NB	79.0 RT	1626+69 SB	139.0 RT	N/A	N/A
3-PT1	1626+29 -NB	48.0 LT	1626+25 SB	12.0 RT	N/A	882.39
3-PT4	1626+43 -NB	12.0 LT	1626+38 SB	48.0 RT	N/A	884.16
3-PT7	1627+41 -NB	0.0	1627+37 SB	60.0 RT	N/A	884.83
3-PT9	1627+06 -NB	80.2 RT	1627+02 SB	140.1 RT	N/A	882.35
3-PT10	1626+77 -NB	91.5 RT	1626+72 SB	151.4 RT	N/A	882.33
3PT12	1626+18 -NB	36.0 RT	1626+14 SB	96.0 RT	N/A	884.13

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	INTERSECTION DETAILS	SHEET 29	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\021101-ID.DWG
LAYOUT NAME - 6
PLOT DATE : 9/26/2019 9:27 AM
PLOT BY : HERRERA BAUTISTA, PE
PLOT NAME :
PLOT SCALE : Custom
WISDOT/CADDS SHEET 44

2

2

AT&T FIBER

SLOPE INTERCEPT

1 FT GRAVEL SHOULDER

STA. 1631+92 SB
4.00' RT.

USH 151

1630 SB | 1631 SB | 1632 SB | 1633 SB | 1634 SB | 1635 SB

1 FT. GRAVEL SHOULDER

SIGN

STA. 1632+69 NB
14.0' LT.

SLOPE INTERCEPT

STA. 1630+67 SB
14.0' RT.

1 FT. GRAVEL SHOULDER

1630 NB | 1631 NB | 1632 NB | 1633 NB | 1634 NB | 1635 NB

2 FT GRAVEL SHOULDER

STA. 1631+44 NB
4.0' LT.

1 FT GRAVEL SHOULDER

USH 151

SLOPE INTERCEPT

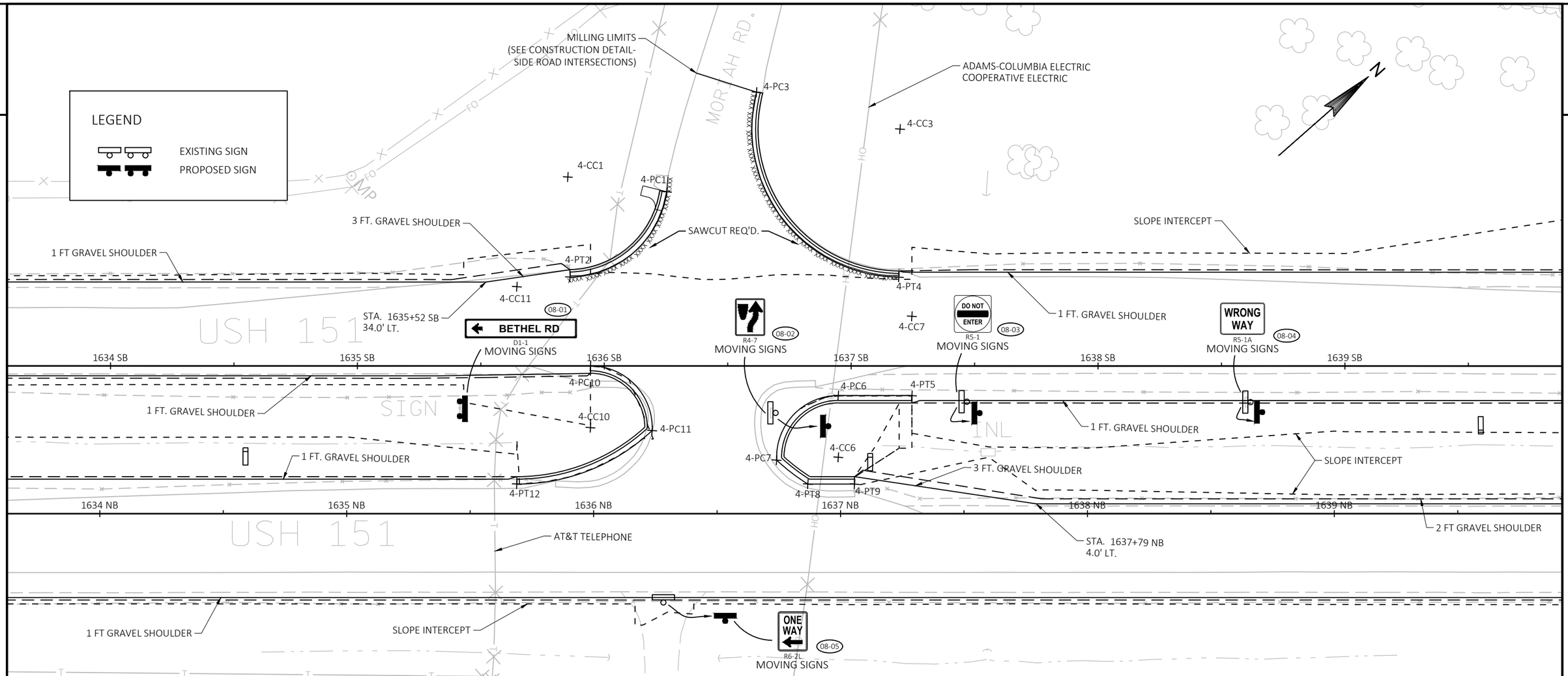
1 FT GRAVEL SHOULDER

AT&T TELEPHONE

STA. 1632+59 NB EXTEND 6 FT. LT.
STA. 1634+59 NB EXTEND 6' FT LT.
EXTEND EXISTING PIPE UNDERDRAIN UNPERFORRATED 6-INCH.
SALVAGE AND REINSTALL APRON ENDWALL FOR UNDERDRAINS.

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	INTERSECTION DETAILS	SHEET 30	E

2



NOTE: THE RADII ARE MEASURED TO THE FLAG LINE AND EDGE OF PAVEMENT

ASPHALTIC FLUMES VARY IN SIZE. EXTEND TO MATCH PROPOSED SLOPE INTERCEPT. DO NOT DISTURB EXISTING GROUND SURFACE.

STA. 1637+12 NB. EXTEND BY 4 FT. LT.
STA. 1639+55 SB. EXTEND BY 3 FT. RT.
EXTEND EXISTING PIPE UNDERDRAIN UNPERFORATED 6-INCH.
SALVAGE AND REINSTALL APRON ENDWALL FOR UNDERDRAINS.

STATION & OFFSET TABLE

POINT	STATION	OFFSET	STATION	OFFSET	RADIUS	ELEVATION
4-CC1	1635+90 NB	136.4 LT	1635+85 SB	76.6 LT	40	N/A
4-CC3	1637+24 NB	155.9 LT	1637+20 SB	96.0 LT	60	N/A
4-CC6	1636+99 NB	22.9 LT	1636+95 SB	37.0 RT	25	N/A
4-CC7	1637+29 NB	80.0 LT	1637+25 SB	20.1 LT	80	N/A
4-CC10	1635+99 NB	34.9 LT	1635+94 SB	25.0 RT	25	N/A
4-CC11	1635+69 NB	92.0 LT	1635+65 SB	32.1 LT	80	N/A
4-PC1	1636+30 NB	130.5 LT	1636+25 SB	70.6 LT	N/A	883.80
4-PC3	1636+66 NB	170.8 LT	1636+62 SB	111.0 LT	N/A	880.90
4-PC6	1636+99 NB	47.9 LT	1636+95 SB	12.0 RT	N/A	885.80

STATION & OFFSET TABLE

POINT	STATION	OFFSET	STATION	OFFSET	RADIUS	ELEVATION
4-PC7	1636+74 NB	21.7 LT	1636+70 SB	38.2 RT	N/A	886.01
4-PC10	1635+99 NB	59.9 LT	1635+94 SB	0.0	N/A	885.80
4-PC11	1636+24 NB	33.7 LT	1636+19 SB	26.2 RT	N/A	885.90
4-PT2	1635+90 NB	95.9 LT	1635+86 SB	36.0 LT	N/A	885.31
4-PT4	1637+24 NB	95.9 LT	1637+19 SB	36.0 LT	N/A	885.61
4-PT5	1637+29 NB	47.9 LT	1637+25 SB	12.0 RT	N/A	885.65
4-PT8	1636+87 NB	12.0 LT	1636+82 SB	47.9 RT	N/A	885.71
4-PT9	1637+06 NB	12.0 LT	1637+01 SB	47.9 RT	N/A	885.63
4-PT12	1635+69 NB	12.0 LT	1635+65 SB	47.9 RT	N/A	885.48

2

2

N

1 FT GRAVEL SHOULDER

SLOPE INTERCEPT

STA. 1640+19 SB
38.0' LT.

STA. 1640+79 SB
34.0' LT.

1 FT GRAVEL SHOULDER

2 FT GRAVEL SHOULDER

USH 151

1639 SB 1640 SB 1641 SB 1642 SB 1643 SB 1644 SB

STA. 1640+25 SB
14.0' RT.

STA. 1641+50 SB
4.00' RT.

INL

SLOPE INTERCEPT

1639 NB 1640 NB 1641 NB 1642 NB 1643 NB 1644 NB

2 FT GRAVEL SHOULDER

USH 151

1 FT GRAVEL SHOULDER

SLOPE INTERCEPT

E

SIGN

OHP

ADAMS-COLUMBIA ELECTRIC
COOPERATIVE ELECTRIC

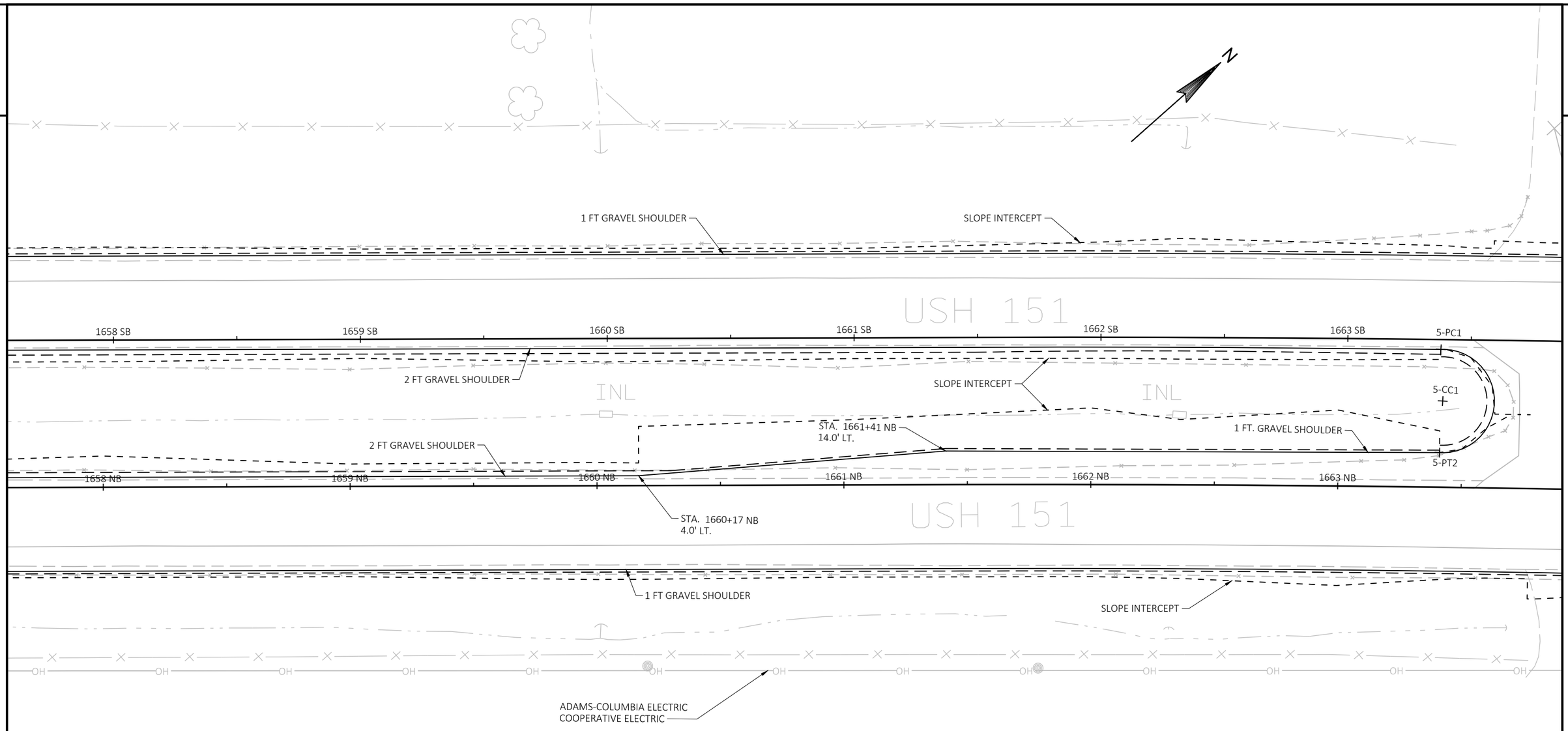
PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	INTERSECTION DETAILS	SHEET 32	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\021101-ID.DWG
LAYOUT NAME - 9

PLOT DATE : 9/26/2019 9:28 AM PLOT BY : HERRERA BAUTISTA, PE PLOT NAME : PLOT SCALE : 1 IN:40 FT

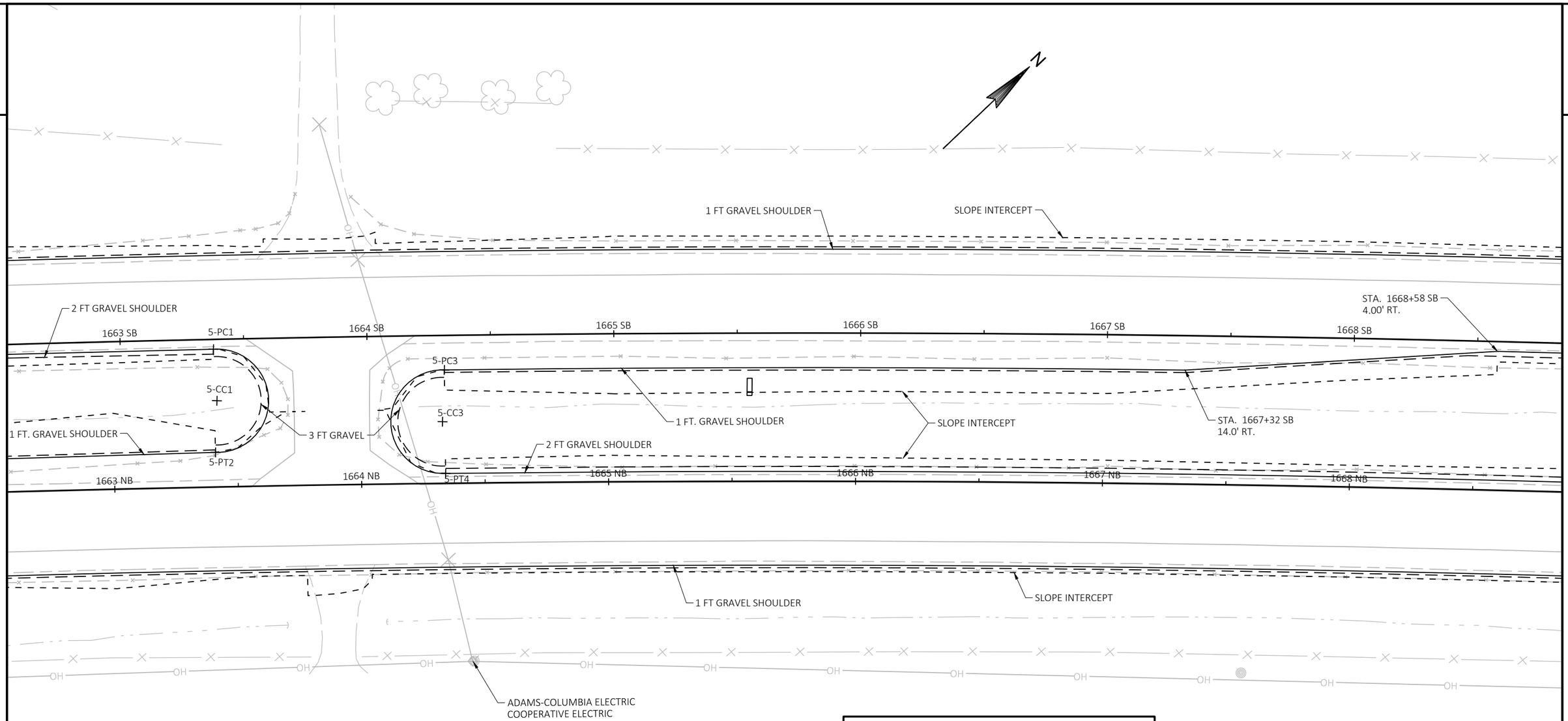
2

2



PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	INTERSECTION DETAILS	SHEET 33	E

2



STA. 1665+55 SB
EXTEND EXISTING PIPE UNDERDRAIN UNPERFORATED 6-INCH BY 4 FT.
SALVAGE AND REINSTALL APRON ENDWALL FOR UNDERDRAINS.

NOTE: THE RADII ARE MEASURED TO THE FLAG LINE AND EDGE OF PAVEMENT

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	STATION	OFFSET	RADIUS
5-CC1	1663+42 -NB	34.9 LT	1663+39 SB	24.9 RT	21
5-CC3	1664+33 -NB	25.0 LT	1664+30 SB	35.0 RT	21
5-PC1	1663+41 -NB	55.8 LT	1663+38 SB	4.0 RT	N/A
5-PC3	1664+34 -NB	45.9 LT	1664+31 SB	14.0 RT	N/A
5-PT2	1663+41 -NB	14.0 LT	1663+38 SB	45.8 RT	N/A
5-PT4	1664+34 -NB	4.0 LT	1664+31 SB	55.9 RT	N/A

2

2

AT&T TELEPHONE

SLOPE INTERCEPT

1 FT GRAVEL SHOULDER

1671 SB 1672 SB 1673 SB 1674 SB 1675 SB 1676 SB

STA. 1676+83 SB
4.00' RT.

2 FT GRAVEL SHOULDER

SLOPE INTERCEPT

STA. 1672+49 NB
14.0' LT.

1 FT GRAVEL SHOULDER

1 FT. GRAVEL SHOULDER

1671 NB 1672 NB 1673 NB 1674 NB 1675 NB 1676 NB

STA. 1671+25 NB
4.0' LT.

1 FT GRAVEL SHOULDER

STA. 1672+20 NB
34.0' RT.

STA. 1672+74 NB
38.0' RT.

SLOPE INTERCEPT

ADAMS-COLUMBIA ELECTRIC
COOPERATIVE ELECTRIC

STA. 1672+59 NB EXTEND 4 FT. RT.
STA. 1674+59 NB EXTEND 5 FT. RT.
EXTEND EXISTING PIPE UNDERDRAIN UNPERFORATED 6-INCH.
SALVAGE AND REINSTALL APRON ENDWALL FOR UNDERDRAINS.

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	INTERSECTION DETAILS	SHEET 35	E

NOTE: THE RADII ARE MEASURED TO THE FLAG LINE AND EDGE OF PAVEMENT

LEGEND

EXISTING SIGN

PROPOSED SIGN

ASPHALTIC FLUMES VARY IN SIZE. EXTEND TO MATCH PROPOSED SLOPE INTERCEPT. DO NOT DISTURB EXISTING GROUND SURFACE.

STA. 1676+60 NB EXTEND BY 4 FT. RT.
STA. 1680+55 SB EXTEND BY 4 FT. RT
EXTEND EXISTING PIPE UNDERDRAIN UNPERFORATED 6-INCH.
SALVAGE AND REINSTALL APRON ENDWALL FOR UNDERDRAINS.

ONE WAY R6-1L MOVING SIGNS 13-03

ADAMS-COLUMBIA ELECTRIC COOPERATIVE ELECTRIC

1 FT GRAVEL SHOULDER

SLOPE INTERCEPT

6-CC4

M1-5A COUNTY S 13-04

6-CC8

M6-1 MOVING SIGNS 13-05

2 FT GRAVEL SHOULDER

STA. 1676+83 SB 4.00' RT.

1 FT. GRAVEL SHOULDER

1676 SB 1677 SB 1678 SB 1679 SB 1680 SB 1681 SB

6-PT1 6-PC2 6-PC3 6-PC4 6-PC6

3 FT. GRAVEL SHOULDER

6-CC3

R4-7 MOVING SIGNS 13-02

6-PC7 6-PC8 6-CC7

3 FT. GRAVEL SHOULDER

SLOPE INTERCEPT

JUNEAU D1-1 13-06 MOVING SIGNS

6-PT5 6-PT9 6-PT10

1676 NB 1677 NB 1678 NB 1679 NB 1680 NB 1681 NB

STA. 1679+02 NB 4.0' LT.

2 FT GRAVEL SHOULDER

WRONG WAY R5-1A 13-07 MOVING SIGNS

DO NOT ENTER R5-1 13-01 MOVING SIGNS

6-CC2

1 FT GRAVEL SHOULDER

3 FT. GRAVEL SHOULDER

6-CC6

6-PT14 6-PC11

SAWCUT REQ'D.

STA. 1678+91 NB 34.0' RT.

SLOPE INTERCEPT

1 FT GRAVEL SHOULDER

6-CC11

6-PT12

6-CC13

6-PC13

MILLING LIMITS (SEE CONSTRUCTION DETAILS- SIDE ROAD INTERSECTIONS)

USH 151

CTH "S"

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	STATION	OFFSET	RADIUS	ELEVATION
6-CC2	1677+04 NB	19.7 RT	1677+08 SB	80.0 RT	80	N/A
6-CC3	1677+51 NB	38.6 LT	1677+55 SB	21.7 RT	5	N/A
6-CC4	1676+99 NB	92.0 LT	1677+02 SB	31.7 LT	80	N/A
6-CC6	1678+77 NB	31.8 RT	1678+82 SB	92.0 RT	80	N/A
6-CC7	1678+24 NB	21.1 LT	1678+29 SB	39.1 RT	5	N/A
6-CC8	1678+70 NB	80.0 LT	1678+75 SB	19.8 LT	80	N/A
6-CC11	1678+57 NB	77.7 RT	1678+61 SB	137.9 RT	50	N/A
6-CC13	1677+25 NB	96.1 RT	1677+29 SB	156.4 RT	60	N/A
6-PC2	1677+46 NB	48.3 LT	1677+50 SB	12.0 RT	N/A	881.94
6-PC3	1677+54 NB	42.5 LT	1677+58 SB	17.8 RT	N/A	882.11
6-PC4	1677+54 NB	35.0 LT	1677+59 SB	25.2 RT	N/A	882.25

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	STATION	OFFSET	RADIUS	ELEVATION
6-PC6	1678+77 NB	48.2 LT	1678+82 SB	12.0 RT	N/A	882.07
6-PC7	1678+20 NB	24.6 LT	1678+25 SB	35.6 RT	N/A	883.22
6-PC8	1678+21 NB	17.2 LT	1678+25 SB	43.0 RT	N/A	883.37
6-PC11	1678+61 NB	35.2 RT	1678+66 SB	95.4 RT	N/A	883.26
6-PC13	1677+85 NB	93.8 RT	1677+89 SB	154.0 RT	N/A	882.87
6-PT1	1677+16 NB	51.8 LT	1677+20 SB	8.4 RT	N/A	886.74
6-PT5	1676+99 NB	12.0 LT	1677+02 SB	48.3 RT	N/A	883.30
6-PT9	1678+28 NB	12.0 LT	1678+33 SB	48.2 RT	N/A	883.64
6-PT10	1678+40 NB	10.6 LT	1678+44 SB	49.6 RT	N/A	883.74
6-PT12	1678+14 NB	78.4 RT	1678+18 SB	138.6 RT	N/A	882.33
6-PT14	1677+25 NB	36.0 RT	1677+29 SB	96.3 RT	N/A	882.80

2

2

SLOPE INTERCEPT

1 FT GRAVEL SHOULDER

1681 SB

1682 SB

1683 SB

1684 SB

1685 SB

1686 SB

STA. 1683+33 SB
14.0' RT.

1 FT GRAVEL SHOULDER

STA. 1684+59 SB
4.00' RT.

2 FT GRAVEL SHOULDER

SLOPE INTERCEPT

1681 NB

1682 NB

1683 NB

1684 NB

1685 NB

1686 NB

2 FT GRAVEL SHOULDER

STA. 1683+53 NB
4.00' LT.

STA. 1684+77 NB
14.0' LT.

1 FT GRAVEL SHOULDER

SLOPE INTERCEPT

1 FT GRAVEL SHOULDER

OH

ADAMS-COLUMBIA ELECTRIC
COOPERATIVE ELECTRIC

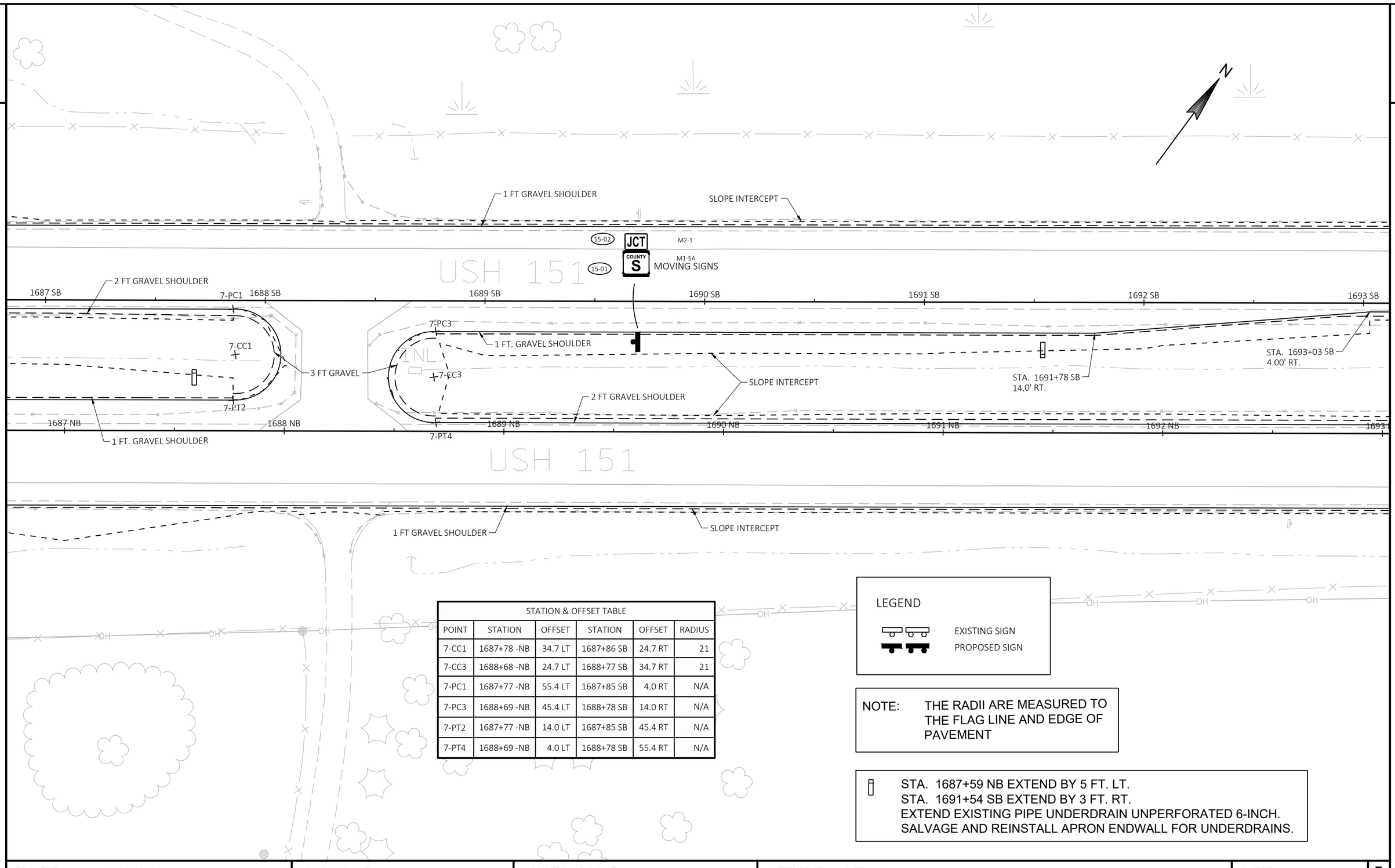
PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	INTERSECTION DETAILS	SHEET 37	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\021101-ID.DWG
LAYOUT NAME - 14

PLOT DATE : 9/26/2019 9:29 AM PLOT BY : HERRERA BAUTISTA, PE PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2



STATION & OFFSET TABLE					
POINT	STATION	OFFSET	STATION	OFFSET	RADIUS
7-CC1	1687+78 -NB	34.7 LT	1687+86 SB	24.7 RT	21
7-CC3	1688+68 -NB	24.7 LT	1688+77 SB	34.7 RT	21
7-PC1	1687+77 -NB	55.4 LT	1687+85 SB	4.0 RT	N/A
7-PC3	1688+69 -NB	45.4 LT	1688+78 SB	14.0 RT	N/A
7-PT2	1687+77 -NB	14.0 LT	1687+85 SB	45.4 RT	N/A
7-PT4	1688+69 -NB	4.0 LT	1688+78 SB	55.4 RT	N/A

LEGEND

EXISTING SIGN

PROPOSED SIGN

NOTE: THE RADII ARE MEASURED TO THE FLAG LINE AND EDGE OF PAVEMENT

STA. 1687+59 NB EXTEND BY 5 FT. LT.
STA. 1691+54 SB EXTEND BY 3 FT. RT.
EXTEND EXISTING PIPE UNDERDRAIN UNPERFORATED 6-INCH.
SALVAGE AND REINSTALL APRON ENDWALL FOR UNDERDRAINS.

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	INTERSECTION DETAILS	SHEET 38	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\021101-ID.DWG
LAYOUT NAME - 15
PLOT DATE : 9/26/2019 9:29 AM
PLOT BY : HERRERA BAUTISTA, PE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2

2

SLOPE INTERCEPT

1 FT GRAVEL SHOULDER

USH 151

1695 SB

1696 SB

2 FT GRAVEL SHOULDER

1697 SB

1698 SB

1699 SB

8-PC1

1700 SB

INL

SLOPE INTERCEPT

8-CC1

STA. 1696+78 NB
14.0' LT.

2 FT GRAVEL SHOULDER

STA. 1695+53 NB
4.00' LT.

1 FT. GRAVEL SHOULDER

8-PT2

94 NB

1695 NB

1696 NB

1697 NB

1698 NB

1699 NB

1700 NB

USH 151

1 FT GRAVEL SHOULDER

SLOPE INTERCEPT

OH

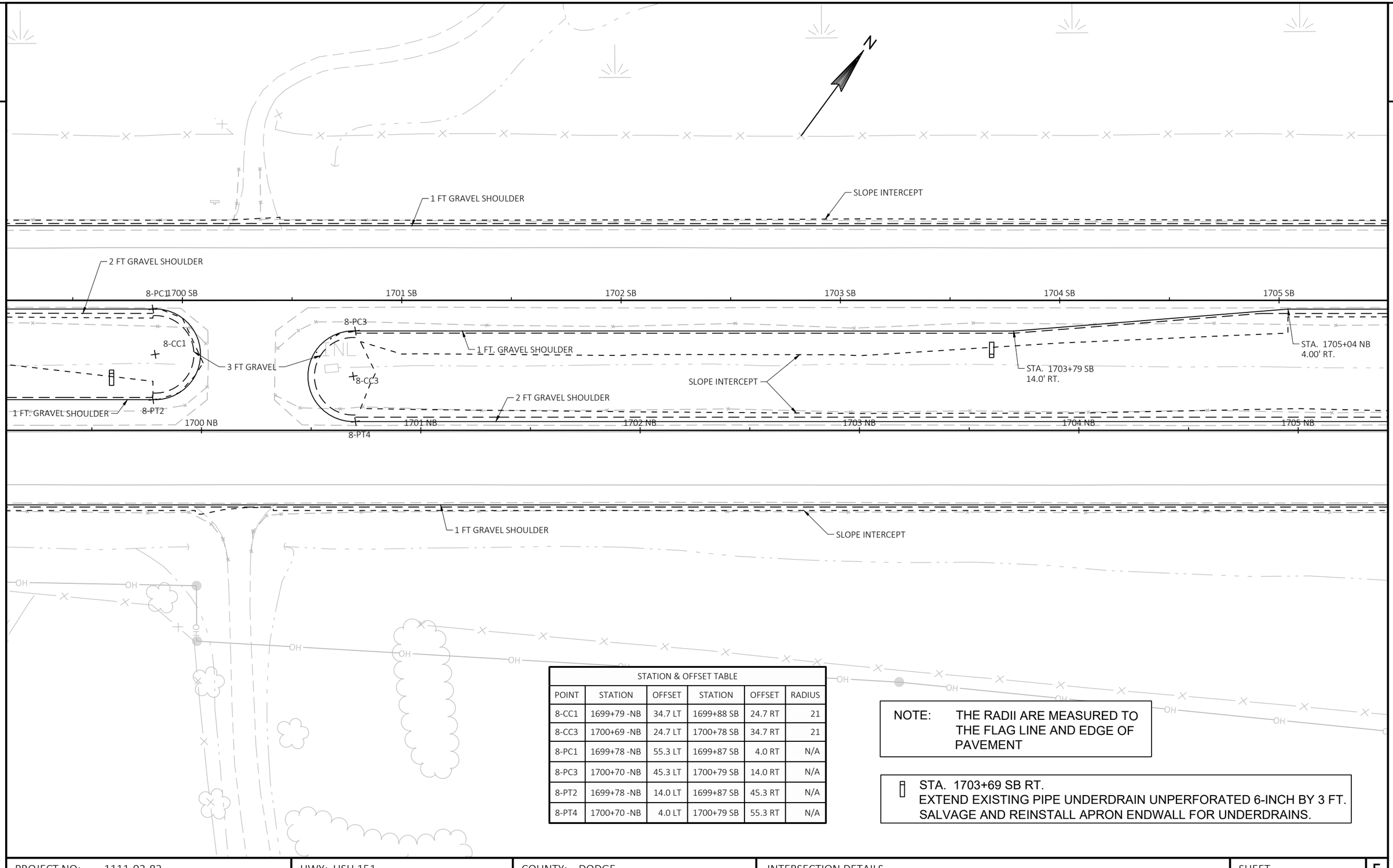
ADAMS-COLUMBIA ELECTRIC
COOPERATIVE ELECTRIC

SIGN

STA. 1699+59 NB LT.
EXTEND EXISTING PIPE UNDERDRAIN UNPERFORATED 6-INCH BY 7 FT.
SALVAGE AND REINSTALL APRON ENDWALL FOR UNDERDRAINS.

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	INTERSECTION DETAILS	SHEET 39	E

2



STATION & OFFSET TABLE					
POINT	STATION	OFFSET	STATION	OFFSET	RADIUS
8-CC1	1699+79 -NB	34.7 LT	1699+88 SB	24.7 RT	21
8-CC3	1700+69 -NB	24.7 LT	1700+78 SB	34.7 RT	21
8-PC1	1699+78 -NB	55.3 LT	1699+87 SB	4.0 RT	N/A
8-PC3	1700+70 -NB	45.3 LT	1700+79 SB	14.0 RT	N/A
8-PT2	1699+78 -NB	14.0 LT	1699+87 SB	45.3 RT	N/A
8-PT4	1700+70 -NB	4.0 LT	1700+79 SB	55.3 RT	N/A

NOTE: THE RADII ARE MEASURED TO THE FLAG LINE AND EDGE OF PAVEMENT

STA. 1703+69 SB RT.
EXTEND EXISTING PIPE UNDERDRAIN UNPERFORATED 6-INCH BY 3 FT.
SALVAGE AND REINSTALL APRON ENDWALL FOR UNDERDRAINS.

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	INTERSECTION DETAILS	SHEET 40	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\021101-ID.DWG
LAYOUT NAME - 17
PLOT DATE : 9/26/2019 9:30 AM
PLOT BY : HERRERA BAUTISTA, PE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2

2

ADAMS-COLUMBIA ELECTRIC
COOPERATIVE ELECTRIC

SLOPE INTERCEPT

1 FT GRAVEL SHOULDER

USH 151

2 FT GRAVEL SHOULDER

1716 SB 1717 SB 1718 SB 1719 SB 1720 SB 1721 SB

9-PC1

9-CC1

SLOPE INTERCEPT

STA. 1717+89 NB
14.0' LT.

2 FT GRAVEL SHOULDER

1 FT. GRAVEL SHOULDER

9-PT2

1716 NB 1717 NB 1718 NB 1719 NB 1720 NB 1721 NB

USH 151

STA. 1716+64 NB
4.0' LT.

AT&T TELEPHONE

SLOPE INTERCEPT

1 FT GRAVEL SHOULDER

STA. 1719+59 NB LT.
EXTEND EXISTING PIPE UNDERDRAIN UNPERFORATED 6-INCH BY 3 FT.
SALVAGE AND REINSTALL APRON ENDWALL FOR UNDERDRAINS.

OH

OH

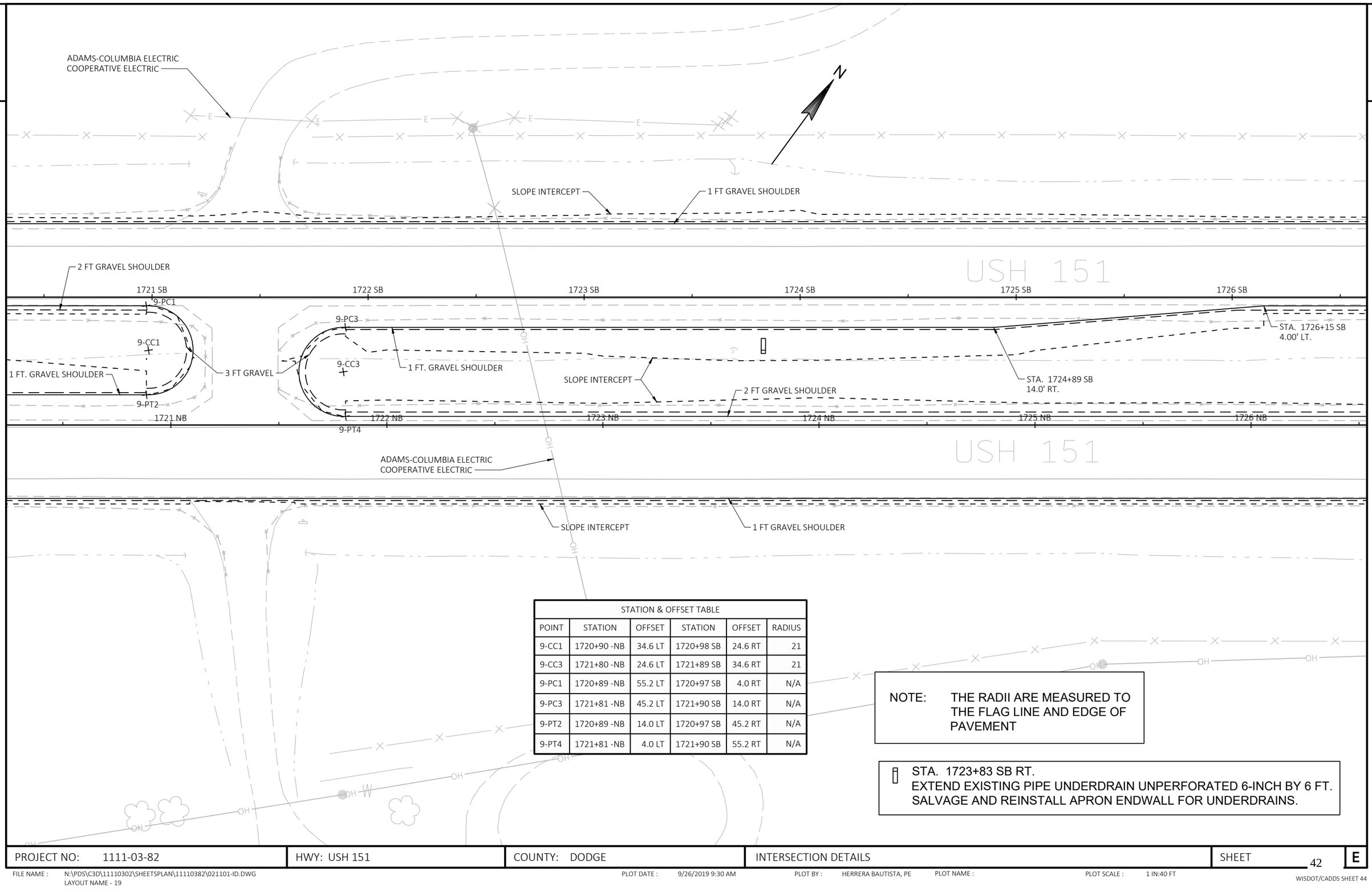
OH

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	INTERSECTION DETAILS	SHEET 41	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\021101-ID.DWG
LAYOUT NAME - 18

PLOT DATE : 9/26/2019 9:30 AM PLOT BY : HERRERA BAUTISTA, PE PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



STATION & OFFSET TABLE					
POINT	STATION	OFFSET	STATION	OFFSET	RADIUS
9-CC1	1720+90 -NB	34.6 LT	1720+98 SB	24.6 RT	21
9-CC3	1721+80 -NB	24.6 LT	1721+89 SB	34.6 RT	21
9-PC1	1720+89 -NB	55.2 LT	1720+97 SB	4.0 RT	N/A
9-PC3	1721+81 -NB	45.2 LT	1721+90 SB	14.0 RT	N/A
9-PT2	1720+89 -NB	14.0 LT	1720+97 SB	45.2 RT	N/A
9-PT4	1721+81 -NB	4.0 LT	1721+90 SB	55.2 RT	N/A

NOTE: THE RADII ARE MEASURED TO THE FLAG LINE AND EDGE OF PAVEMENT

STA. 1723+83 SB RT.
EXTEND EXISTING PIPE UNDERDRAIN UNPERFORATED 6-INCH BY 6 FT.
SALVAGE AND REINSTALL APRON ENDWALL FOR UNDERDRAINS.

2

2

SLOPE INTERCEPT

1 FT GRAVEL SHOULDER

ADAMS-COLUMBIA ELECTRIC
COOPERATIVE ELECTRIC

USH 151

1740 SB

1741 SB

1742 SB

2 FT GRAVEL SHOULDER

1743 SB

1744 SB

1745 SB

10-PC1

10-CC1

INL

SLOPE INTERCEPT

STA. 1742+51 NB
14.0' LT.

1 FT. GRAVEL SHOULDER

10-PT2

2 FT GRAVEL SHOULDER

1740 NB

1741 NB

1742 NB

1743 NB

1744 NB

1745 NB

STA. 1741+25 NB
4.0' LT.

USH 151

SLOPE INTERCEPT

1 FT GRAVEL SHOULDER

AT&T TELEPHONE

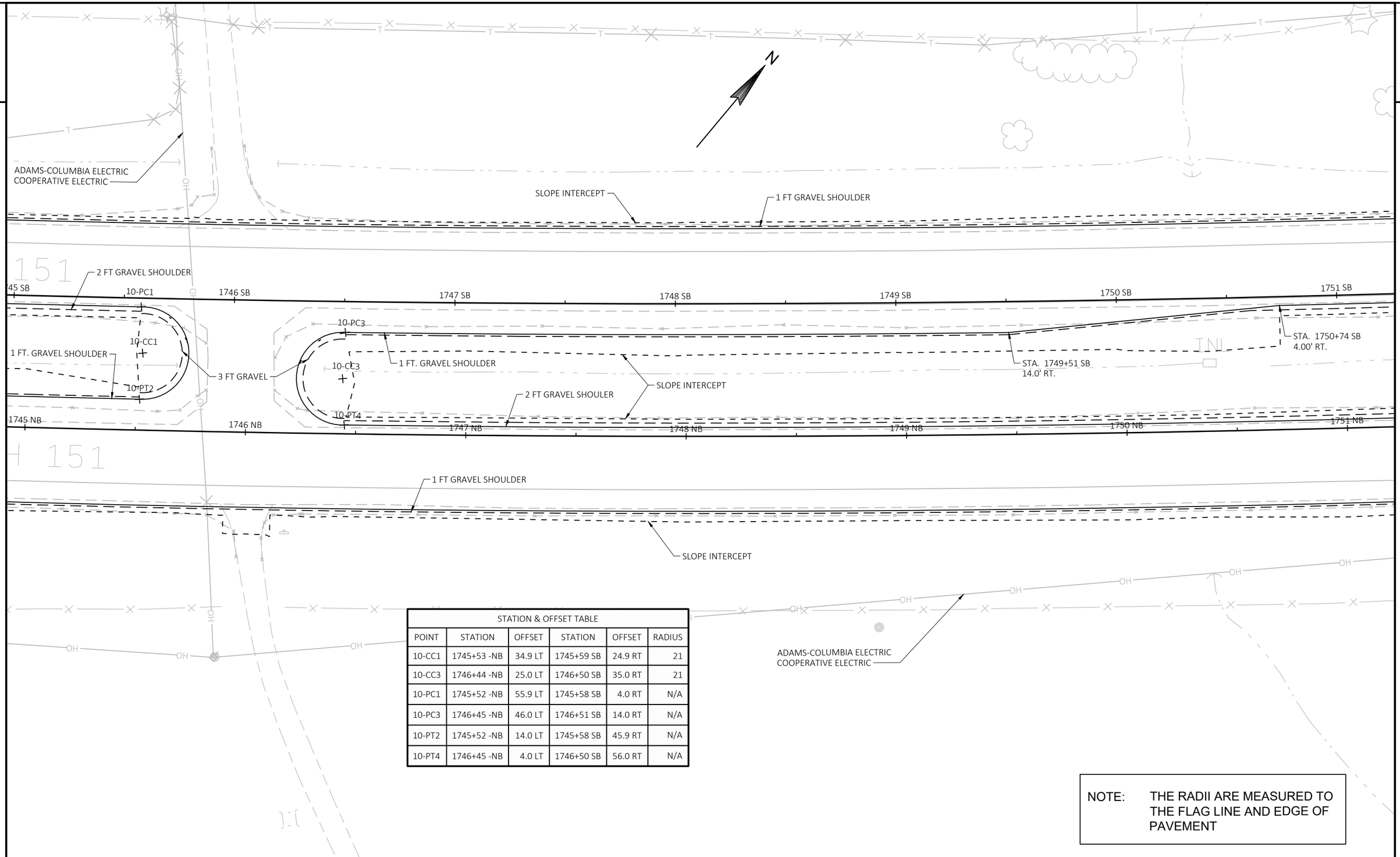
OH

ADAMS-COLUMBIA ELECTRIC
COOPERATIVE ELECTRIC

STA. 1743+61 NB LT.
EXTEND EXISTING PIPE UNDERDRAIN UNPERFORATED 6-INCH BY 3 FT.
SALVAGE AND REINSTALL APRON ENDWALL FOR UNDERDRAINS.

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	INTERSECTION DETAILS	SHEET 43	E

2



STATION & OFFSET TABLE					
POINT	STATION	OFFSET	STATION	OFFSET	RADIUS
10-CC1	1745+53 -NB	34.9 LT	1745+59 SB	24.9 RT	21
10-CC3	1746+44 -NB	25.0 LT	1746+50 SB	35.0 RT	21
10-PC1	1745+52 -NB	55.9 LT	1745+58 SB	4.0 RT	N/A
10-PC3	1746+45 -NB	46.0 LT	1746+51 SB	14.0 RT	N/A
10-PT2	1745+52 -NB	14.0 LT	1745+58 SB	45.9 RT	N/A
10-PT4	1746+45 -NB	4.0 LT	1746+50 SB	56.0 RT	N/A

NOTE: THE RADII ARE MEASURED TO THE FLAG LINE AND EDGE OF PAVEMENT

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	INTERSECTION DETAILS	SHEET 44	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\021101-ID.DWG
LAYOUT NAME - 21
PLOT DATE : 9/26/2019 9:31 AM
PLOT BY : HERRERA BAUTISTA, PE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2

2

SLOPE INTERCEPT

1 FT GRAVEL SHOULDER

USH 151

1769 SB 1770 SB 1771 SB 1772 SB 1773 SB 1774 SB 1775 SB

2 FT GRAVEL SHOULDER

INL

SLOPE INTERCEPT

2 FT GRAVEL SHOULDER

STA. 1771+87 NB
4.0' LT.

STA. 1773+12 NB
14.0' LT.

1 FT GRAVEL SHOULDER

1769 NB 1770 NB 1771 NB 1772 NB 1773 NB 1774 NB 1775 NB

WRONG WAY

22-01

R5-1A

MOVING SIGNS

USH 151

STA. 1772+59 NB
34.0' RT.

STA. 1773+09 NB
38.0' RT.

1 FT GRAVEL SHOULDER

SLOPE INTERCEPT

LEGEND

EXISTING SIGN

PROPOSED SIGN

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	INTERSECTION DETAILS	SHEET 45	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\021101-ID.DWG
LAYOUT NAME - 22

PLOT DATE : 9/26/2019 9:31 AM PLOT BY : HERRERA BAUTISTA, PE PLOT NAME : PLOT SCALE : 1 IN:40 FT

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	STATION	OFFSET	RADIUS	ELEVATION
11-CC1	1776+37 -NB	135.1 LT	1776+32 SB	76.0 LT	40	N/A
11-CC3	1777+67 -NB	155.1 LT	1777+62 SB	96.0 LT	60	N/A
11-CC5	1777+72 -NB	32.9 RT	1777+67 SB	92.0 RT	80	N/A
11-CC6	1777+22 -NB	23.6 LT	1777+18 SB	35.6 RT	5	N/A
11-CC7	1777+72 -NB	80.0 LT	1777+67 SB	20.9 LT	80	N/A
11-CC11	1776+12 -NB	20.9 RT	1776+07 SB	80.0 RT	80	N/A
11-CC12	1776+61 -NB	35.6 LT	1776+56 SB	23.6 RT	5	N/A
11-CC13	1776+12 -NB	92.0 LT	1776+07 SB	32.9 LT	80	N/A
11-CC15	1776+10 -NB	96.0 RT	1776+05 SB	155.1 RT	60	N/A
11-CC17	1777+41 -NB	76.0 RT	1777+37 SB	135.1 RT	40	N/A

ASPHALTIC FLUMES VARY IN SIZE. EXTEND TO MATCH PROPOSED SLOPE INTERCEPT. DO NOT DISTURB EXISTING GROUND SURFACE.

STA. 1775+62 NB LT.
EXTEND EXISTING PIPE UNDERDRAIN UNPERFORATED 6-INCH BY 7 FT.
SALVAGE AND REINSTALL APRON ENDWALL FOR UNDERDRAINS.

23-06 ONE WAY R6-1L
23-05 STOP R1-1
23-04 DIVIDED HIGHWAY R6-3
MOVING SIGNS

N. SALEM RD.

11-CC1 11-PC1 11-PC3 11-CC3

ADAMS-COLUMBIA ELECTRIC COOPERATIVE ELECTRIC

SAWCUT REQ'D.

3 FT. GRAVEL SHOULDER
1 FT GRAVEL SHOULDER
11-PT2 11-CC13
STA. 1775+99 SB 34.0' LT.

1 FT. GRAVEL SHOULDER
SLOPE INTERCEPT
11-PT4

23-07 DO NOT ENTER R5-1 MOVING SIGNS
11-CC7

23-11 WRONG WAY R5-1A MOVING SIGNS

USH 151

2 FT GRAVEL SHOULDER
STA. 1775+73 SB 4.00' RT.

1775 SB | 1776 SB | 1777 SB | 1778 SB | 1779 SB | 1780 SB

11-PT10 11-PC11 11-PC12 11-PC13 11-CC12
3 FT. GRAVEL SHOULDER
1 FT. GRAVEL SHOULDER
11-PT14

11-PC5
11-PC6 11-CC6 11-PC7 11-PT8 11-PT9
3 FT. GRAVEL SHOULDER
1 FT. GRAVEL SHOULDER
2 FT GRAVEL SHOULDER
SLOPE INTERCEPT

1775 NB | 1776 NB | 1777 NB | 1778 NB | 1779 NB | 1780 NB

STA. 1778+05 NB 4.0' LT.

23-01 DO NOT ENTER R5-1 MOVING SIGNS
23-02 23-03 R4-7 MOVING SIGNS

USH 151

11-CC11
1 FT GRAVEL SHOULDER
SLOPE INTERCEPT
11-PC15
SAWCUT REQ'D.
11-PT16
11-CC15

3 FT. GRAVEL SHOULDER
11-PT18 11-CC5
STA. 1777+75 NB 34.0' RT.
1 FT GRAVEL SHOULDER

11-PC17 11-CC17

23-08 ONE WAY R6-1R
23-09 STOP R1-1
23-10 DIVIDED HIGHWAY R6-3
MOVING SIGNS

E. SALEM RD.

LEGEND
EXISTING SIGN
PROPOSED SIGN

NOTE: THE RADII ARE MEASURED TO THE FLAG LINE AND EDGE OF PAVEMENT

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	STATION	OFFSET	RADIUS	ELEVATION
11-PT2	1776+37 -NB	95.1 LT	1776+32 SB	36.0 LT	N/A	889.46
11-PT4	1777+67 -NB	95.1 LT	1777+62 SB	36.0 LT	N/A	889.64
11-PT8	1777+30 -NB	12.0 LT	1777+25 SB	47.1 RT	N/A	890.85
11-PT9	1777+55 -NB	9.0 LT	1777+50 SB	50.2 RT	N/A	891.23
11-PT10	1776+22 -NB	51.0 LT	1776+17 SB	8.2 RT	N/A	889.43
11-PT14	1776+12 -NB	12.0 LT	1776+07 SB	47.1 RT	N/A	891.02
11-PT16	1776+69 -NB	100.5 RT	1776+65 SB	159.7 RT	N/A	888.89
11-PT18	1777+41 -NB	36.0 RT	1777+37 SB	95.1 RT	N/A	891.23

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	STATION	OFFSET	RADIUS	ELEVATION
11-PC1	1776+77 -NB	135.3 LT	1776+72 SB	76.2 LT	N/A	889.39
11-PC3	1777+07 -NB	155.8 LT	1777+02 SB	96.7 LT	N/A	889.49
11-PC5	1777+72 -NB	47.1 LT	1777+67 SB	12.0 RT	N/A	889.66
11-PC6	1777+19 -NB	27.3 LT	1777+14 SB	31.8 RT	N/A	890.52
11-PC7	1777+19 -NB	19.8 LT	1777+14 SB	39.3 RT	N/A	890.65
11-PC11	1776+54 -NB	47.1 LT	1776+49 SB	12.0 RT	N/A	889.53
11-PC12	1776+64 -NB	39.3 LT	1776+60 SB	19.8 RT	N/A	890.00
11-PC13	1776+64 -NB	31.8 LT	1776+60 SB	27.3 RT	N/A	890.13
11-PC15	1776+10 -NB	36.0 RT	1776+05 SB	95.1 RT	N/A	891.05
11-PC17	1777+01 -NB	72.9 RT	1776+97 SB	132.0 RT	N/A	889.41

2

2

1 FT. GRAVEL SHOULDER

STA. 1780+62 SB
38.0' LT.

SLOPE INTERCEPT

USH 151

1779 SB | 1780 SB | 1781 SB | 1782 SB | 1783 SB | 1784 SB

2 FT GRAVEL SHOULDER

1 FT. GRAVEL SHOULDER

STA. 1781+92 SB
4.00' RT.

STA. 1780+67 SB
14.0' RT.

SLOPE INTERCEPT

2 FT GRAVEL SHOULDER

1779 NB | 1780 NB | 1781 NB | 1782 NB | 1783 NB | 1784 NB

USH 151

1 FT GRAVEL SHOULDER

SLOPE INTERCEPT

ADAMS-COLUMBIA ELECTRIC
COOPERATIVE ELECTRIC

AT&T TELEPHONE

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	INTERSECTION DETAILS	SHEET 47	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\021101-ID.DWG
LAYOUT NAME - 24

PLOT DATE : 9/26/2019 9:32 AM PLOT BY : HERRERA BAUTISTA, PE PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

SIGN

1 FT GRAVEL SHOULDER

SLOPE INTERCEPT

USH 15

2 FT GRAVEL SHOULDER

1784 SB 1785 SB 1786 SB 1787 SB 1788 SB 1789 SB 12-PC1

SIGN

SLOPE INTERCEPT

INL

12-CC1

STA. 1786+32 NB
14.0' LT.

1 FT. GRAVEL SHOULDER

2 FT GRAVEL SHOULDER

12-PT2

1784 NB 1785 NB 1786 NB 1787 NB 1788 NB 1789 NB

USH 15

STA. 1785+07 NB
4.0' LT.

1 FT GRAVEL SHOULDER

SLOPE INTERCEPT

AT&T TELEPHONE

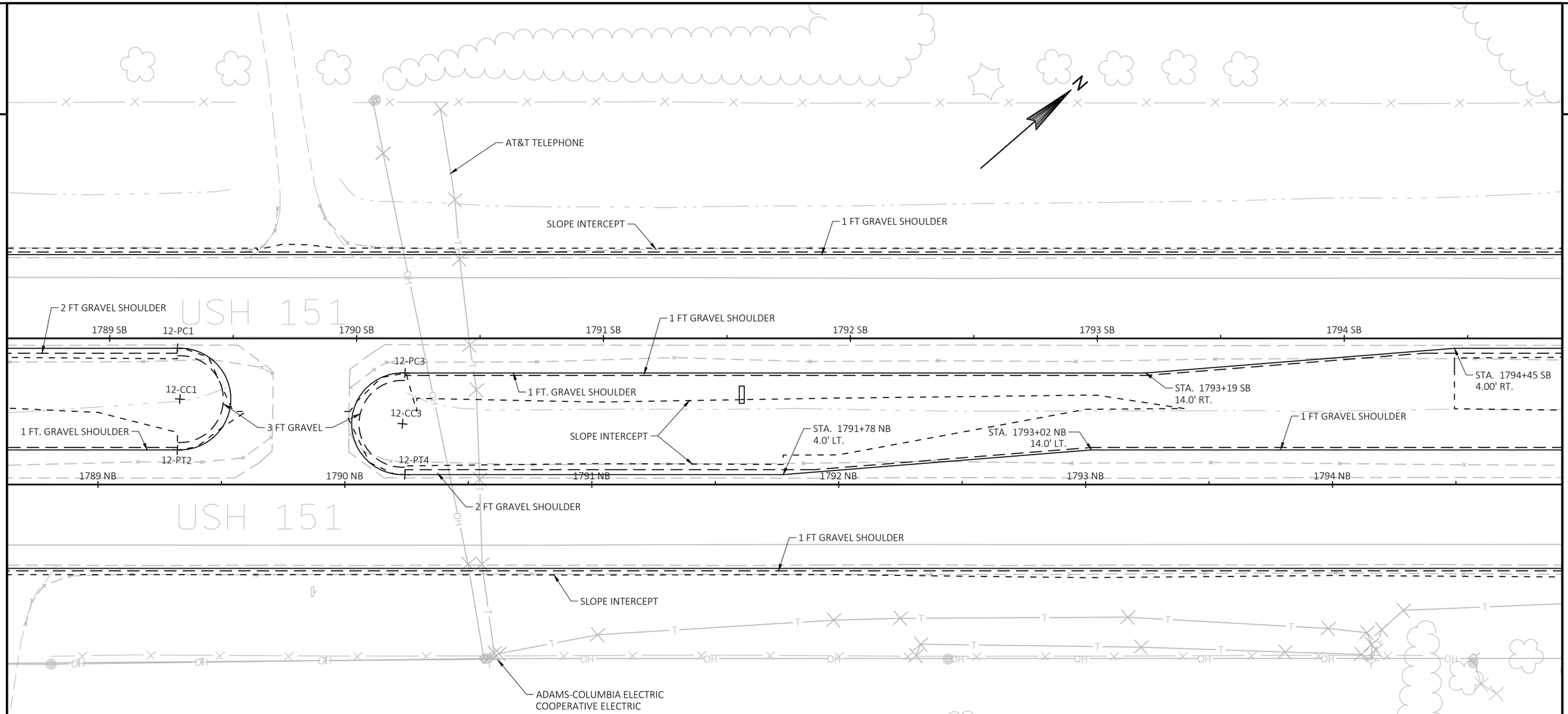
ADAMS-COLUMBIA ELECTRIC
COOPERATIVE ELECTRIC

STA. 1787+57 NB LT.
EXTEND EXISTING PIPE UNDERDRAIN UNPERFORATED 6-INCH BY 7 FT.
SALVAGE AND REINSTALL APRON ENDWALL FOR UNDERDRAINS.

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	INTERSECTION DETAILS	SHEET 48	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\021101-ID.DWG
LAYOUT NAME - 25
PLOT DATE : 9/26/2019 9:32 AM PLOT BY : HERRERA BAUTISTA, PE PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

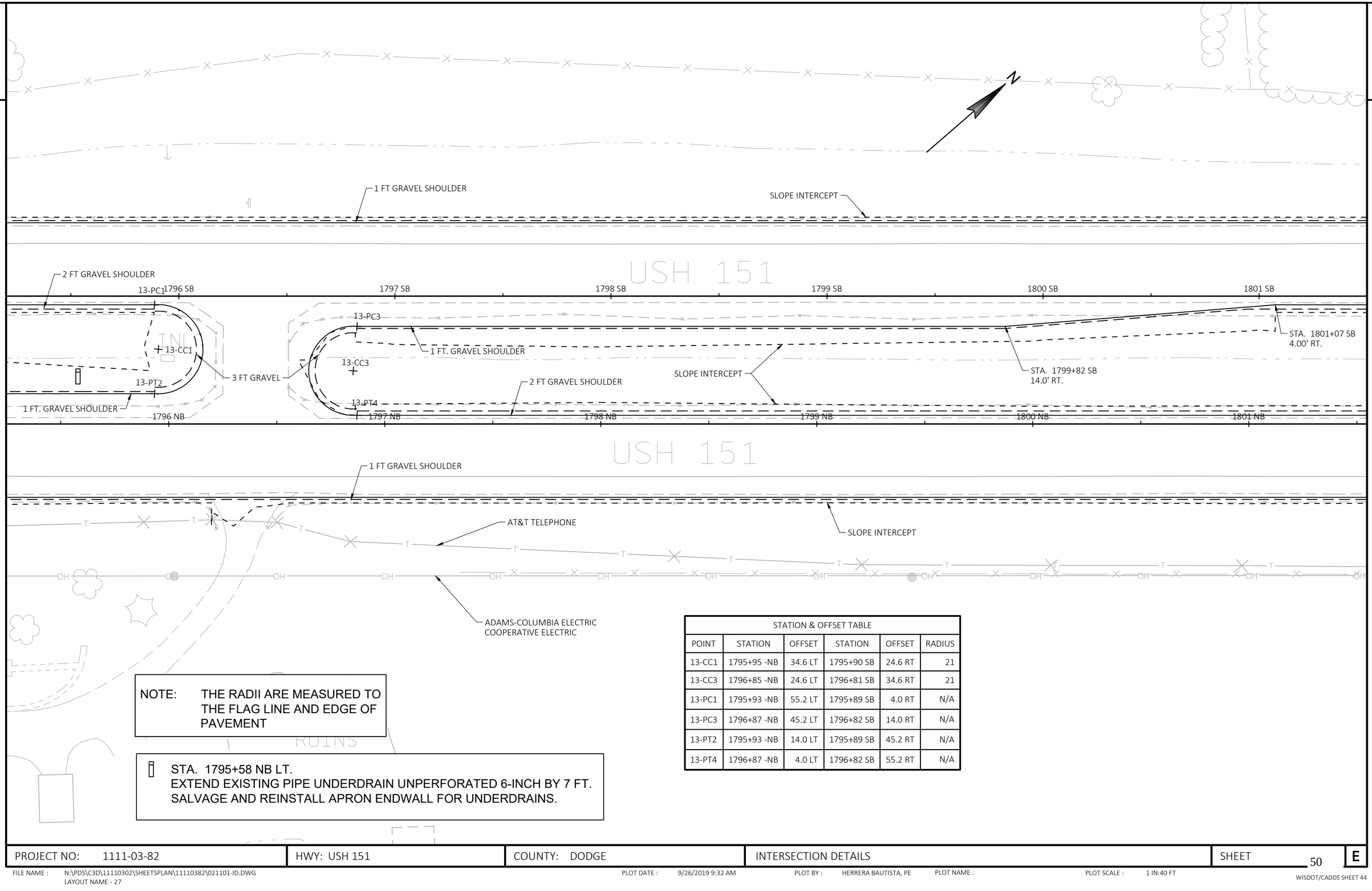


STATION & OFFSET TABLE					
POINT	STATION	OFFSET	STATION	OFFSET	RADIUS
12-CC1	1789+33 -NB	34.6 LT	1789+28 SB	24.6 RT	21
12-CC3	1790+23 -NB	24.6 LT	1790+19 SB	34.6 RT	21
12-PC1	1789+32 -NB	55.2 LT	1789+27 SB	4.0 RT	N/A
12-PC3	1790+24 -NB	45.2 LT	1790+20 SB	14.0 RT	N/A
12-PT2	1789+32 -NB	14.0 LT	1789+27 SB	45.2 RT	N/A
12-PT4	1790+24 -NB	4.0 LT	1790+20 SB	55.2 RT	N/A

NOTE: THE RADII ARE MEASURED TO THE FLAG LINE AND EDGE OF PAVEMENT

STA. 1791+56 SB RT.
EXTEND EXISTING PIPE UNDERDRAIN UNPERFORATED 6-INCH BY 4 FT.
SALVAGE AND REINSTALL APRON ENDWALL FOR UNDERDRAINS.

2



NOTE: THE RADII ARE MEASURED TO THE FLAG LINE AND EDGE OF PAVEMENT

STA. 1795+58 NB LT.
EXTEND EXISTING PIPE UNDERDRAIN UNPERFORATED 6-INCH BY 7 FT.
SALVAGE AND REINSTALL APRON ENDWALL FOR UNDERDRAINS.

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	STATION	OFFSET	RADIUS
13-CC1	1795+95 -NB	34.6 LT	1795+90 SB	24.6 RT	21
13-CC3	1796+85 -NB	24.6 LT	1796+81 SB	34.6 RT	21
13-PC1	1795+93 -NB	55.2 LT	1795+89 SB	4.0 RT	N/A
13-PC3	1796+87 -NB	45.2 LT	1796+82 SB	14.0 RT	N/A
13-PT2	1795+93 -NB	14.0 LT	1795+89 SB	45.2 RT	N/A
13-PT4	1796+87 -NB	4.0 LT	1796+82 SB	55.2 RT	N/A

2

2

N

WELL

SLOPE INTERCEPT

1 FT GRAVEL SHOULDER

H 151

1808 SB

2 FT GRAVEL SHOULDER

1809 SB

1810 SB

1811 SB

1812 SB

1813 SB

SLOPE INTERCEPT

INL

STA. 1811+30 NB
14.0' LT.

1 FT GRAVEL SHOULDER

2 FT GRAVEL SHOULDER

STA. 1810+05 NB
4.0' LT.

1808 NB

1809 NB

1810 NB

1811 NB

1812 NB

1813 NB

H 151

1 FT GRAVEL SHOULDER

SLOPE INTERCEPT

WRONG WAY

R5-1A

28-01

MOVING SIGNS

OH

FO

ADAMS-COLUMBIA ELECTRIC
COOPERATIVE ELECTRIC

ANT

LEGEND

EXISTING SIGN

PROPOSED SIGN

STA. 1811+61 NB LT.
EXTEND EXISTING PIPE UNDERDRAIN UNPERFORATED 6-INCH BY 7 FT.
SALVAGE AND REINSTALL APRON ENDWALL FOR UNDERDRAINS.

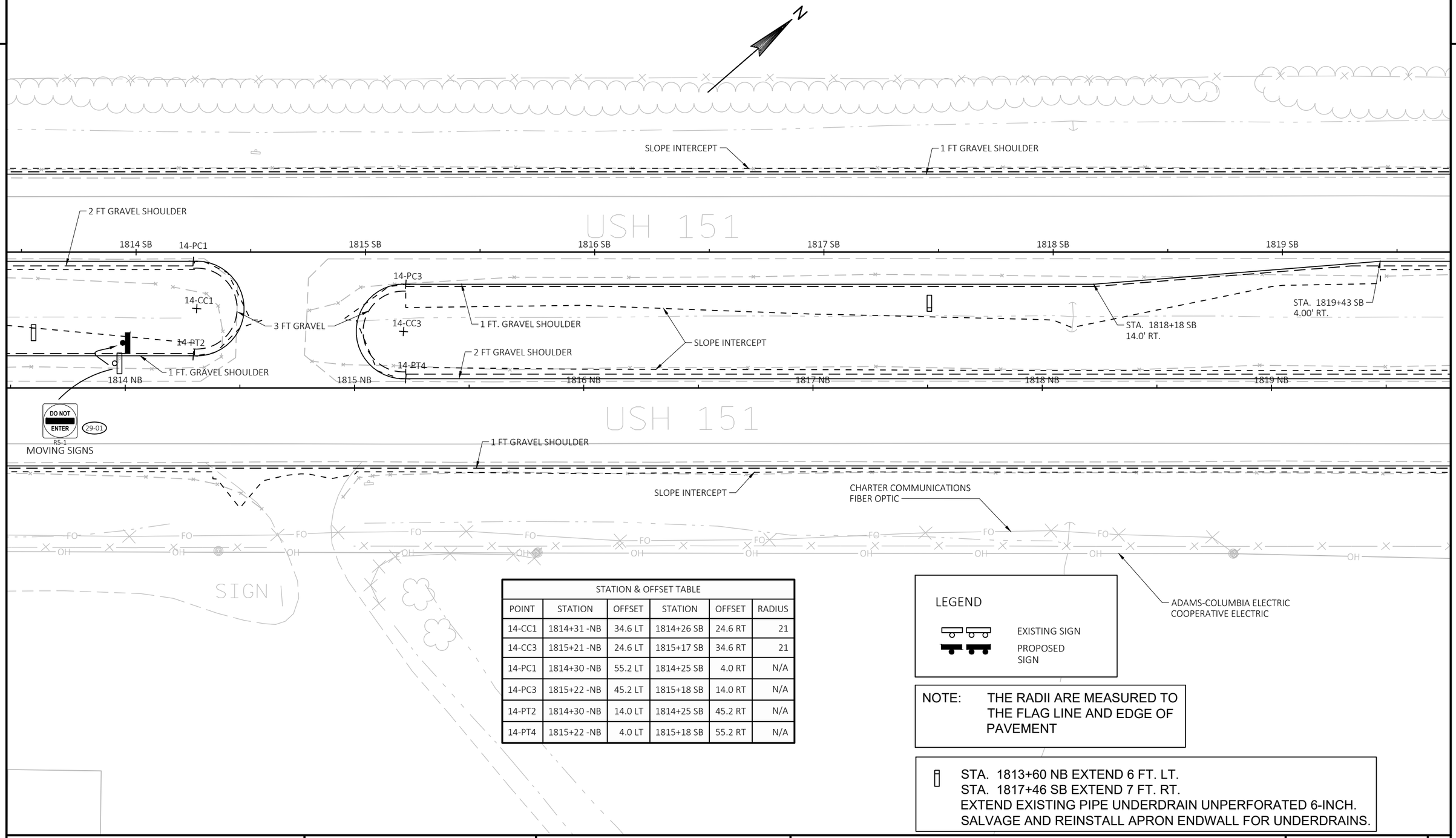
PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	INTERSECTION DETAILS	SHEET 51	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\021101-ID.DWG
LAYOUT NAME - 28

PLOT DATE : 9/26/2019 9:33 AM PLOT BY : HERRERA BAUTISTA, PE PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2



STATION & OFFSET TABLE					
POINT	STATION	OFFSET	STATION	OFFSET	RADIUS
14-CC1	1814+31 -NB	34.6 LT	1814+26 SB	24.6 RT	21
14-CC3	1815+21 -NB	24.6 LT	1815+17 SB	34.6 RT	21
14-PC1	1814+30 -NB	55.2 LT	1814+25 SB	4.0 RT	N/A
14-PC3	1815+22 -NB	45.2 LT	1815+18 SB	14.0 RT	N/A
14-PT2	1814+30 -NB	14.0 LT	1814+25 SB	45.2 RT	N/A
14-PT4	1815+22 -NB	4.0 LT	1815+18 SB	55.2 RT	N/A

LEGEND

EXISTING SIGN

PROPOSED SIGN

NOTE: THE RADII ARE MEASURED TO THE FLAG LINE AND EDGE OF PAVEMENT

STA. 1813+60 NB EXTEND 6 FT. LT.
STA. 1817+46 SB EXTEND 7 FT. RT.
EXTEND EXISTING PIPE UNDERDRAIN UNPERFORATED 6-INCH.
SALVAGE AND REINSTALL APRON ENDWALL FOR UNDERDRAINS.

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	INTERSECTION DETAILS	SHEET 52	E

2

2

N

1 FT GRAVEL SHOULDER

SLOPE INTERCEPT

USH 151

1822 SB

1823 SB

2 FT GRAVEL SHOULDER

1824 SB

1825 SB

1826 SB

1827 SB

1828 SB

SLOPE INTERCEPT

STA. 1826+40 NB
14.0' LT.

1 FT GRAVEL SHOULDER

2 FT GRAVEL SHOULDER

STA. 1825+15 NB
4.0' LT.

1822 NB

1823 NB

1824 NB

1825 NB

1826 NB

1827 NB

1828 NB

USH 151

1 FT GRAVEL SHOULDER

SLOPE INTERCEPT

OH

ADAMS-COLUMBIA ELECTRIC
COOPERATIVE ELECTRIC

SIGN

SIGN

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	INTERSECTION DETAILS	SHEET 53	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\021101-ID.DWG
LAYOUT NAME - 30

PLOT DATE : 9/26/2019 9:33 AM

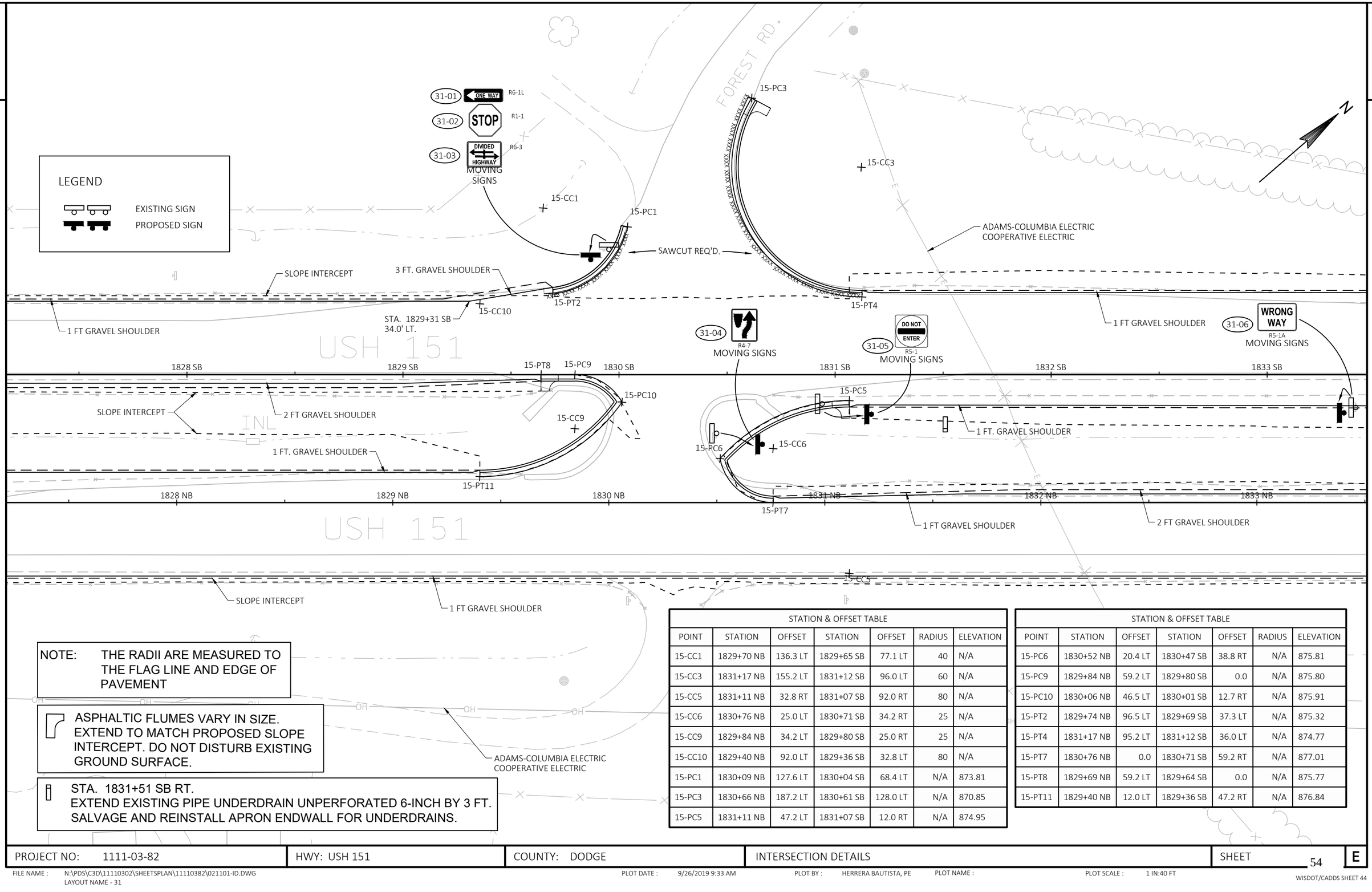
PLOT BY : HERRERA BAUTISTA, PE

PLOT NAME :

PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2



NOTE: THE RADII ARE MEASURED TO THE FLAG LINE AND EDGE OF PAVEMENT

ASPHALTIC FLUMES VARY IN SIZE. EXTEND TO MATCH PROPOSED SLOPE INTERCEPT. DO NOT DISTURB EXISTING GROUND SURFACE.

STA. 1831+51 SB RT.
EXTEND EXISTING PIPE UNDERDRAIN UNPERFORATED 6-INCH BY 3 FT. SALVAGE AND REINSTALL APRON ENDWALL FOR UNDERDRAINS.

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	STATION	OFFSET	RADIUS	ELEVATION
15-CC1	1829+70 NB	136.3 LT	1829+65 SB	77.1 LT	40	N/A
15-CC3	1831+17 NB	155.2 LT	1831+12 SB	96.0 LT	60	N/A
15-CC5	1831+11 NB	32.8 RT	1831+07 SB	92.0 RT	80	N/A
15-CC6	1830+76 NB	25.0 LT	1830+71 SB	34.2 RT	25	N/A
15-CC9	1829+84 NB	34.2 LT	1829+80 SB	25.0 RT	25	N/A
15-CC10	1829+40 NB	92.0 LT	1829+36 SB	32.8 LT	80	N/A
15-PC1	1830+09 NB	127.6 LT	1830+04 SB	68.4 LT	N/A	873.81
15-PC3	1830+66 NB	187.2 LT	1830+61 SB	128.0 LT	N/A	870.85
15-PC5	1831+11 NB	47.2 LT	1831+07 SB	12.0 RT	N/A	874.95

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	STATION	OFFSET	RADIUS	ELEVATION
15-PC6	1830+52 NB	20.4 LT	1830+47 SB	38.8 RT	N/A	875.81
15-PC9	1829+84 NB	59.2 LT	1829+80 SB	0.0	N/A	875.80
15-PC10	1830+06 NB	46.5 LT	1830+01 SB	12.7 RT	N/A	875.91
15-PT2	1829+74 NB	96.5 LT	1829+69 SB	37.3 LT	N/A	875.32
15-PT4	1831+17 NB	95.2 LT	1831+12 SB	36.0 LT	N/A	874.77
15-PT7	1830+76 NB	0.0	1830+71 SB	59.2 RT	N/A	877.01
15-PT8	1829+69 NB	59.2 LT	1829+64 SB	0.0	N/A	875.77
15-PT11	1829+40 NB	12.0 LT	1829+36 SB	47.2 RT	N/A	876.84

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	INTERSECTION DETAILS	SHEET 54	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\021101-ID.DWG
LAYOUT NAME - 31
PLOT DATE : 9/26/2019 9:33 AM
PLOT BY : HERRERA BAUTISTA, PE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2

2

SLOPE INTERCEPT

STA. 1834+12 SB
38.0' LT.

STA. 1834+62 SB
34.0' LT.

1 FT GRAVEL SHOULDER

USH 151

1 FT GRAVEL SHOULDER

1833 SB | 1834 SB | 1835 SB | 1836 SB | 1837 SB | 1838 SB

STA. 1835+43 SB
4.00' RT.

2 FT GRAVEL SHOULDER

STA. 1834+16 SB
14.0' RT.

SLOPE INTERCEPT

1833 NB | 1834 NB | 1835 NB | 1836 NB | 1837 NB | 1838 NB

2 FT GRAVEL SHOULDER

USH 151

SLOPE INTERCEPT

1 FT GRAVEL SHOULDER

OH OH OH OH OH OH OH OH OH OH OH OH

ADAMS-COLUMBIA ELECTRIC
COOPERATIVE ELECTRIC

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	INTERSECTION DETAILS	SHEET 55	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\021101-ID.DWG
LAYOUT NAME - 32

PLOT DATE : 9/26/2019 9:34 AM PLOT BY : HERRERA BAUTISTA, PE PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

2

N

AT&T TELEPHONE

SLOPE INTERCEPT

1 FT GRAVEL SHOULDER

USH 151

USH 151

2 FT GRAVEL SHOULDER

1843 SB 1844 SB 1845 SB 1846 SB 1847 SB 16-PC1 1848 SB 1849 SB

SLOPE INTERCEPT

INL

16-CC1

1 FT. GRAVEL SHOULDER

16-PC3

1 FT. GRAVEL SHOULDER

16-CC3

STA. 1843+37 NB
4.00' LT.

STA. 1844+62 NB
14.0' LT.

16-PT2

3 FT GRAVEL

16-PT4

2 FT GRAVEL SHOULDER

1843 NB 1844 NB 1845 NB 1846 NB 1847 NB 1848 NB 1849 NB

USH 151

USH 151

1 FT GRAVEL SHOULDER

SLOPE INTERCEPT

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	STATION	OFFSET	RADIUS
16-CC1	1847+63 -NB	34.6 LT	1847+58 SB	24.6 RT	21
16-CC3	1848+53 -NB	24.6 LT	1848+48 SB	34.6 RT	21
16-PC1	1847+62 -NB	55.2 LT	1847+57 SB	4.0 RT	N/A
16-PC3	1848+55 -NB	45.2 LT	1848+50 SB	14.0 RT	N/A
16-PT2	1847+62 -NB	14.0 LT	1847+57 SB	45.2 RT	N/A
16-PT4	1848+55 -NB	4.0 LT	1848+50 SB	55.2 RT	N/A

STA. 1847+09 NB LT.
EXTEND EXISTING PIPE UNDERDRAIN UNPERFORATED 6-INCH BY 3 FT.
SALVAGE AND REINSTALL APRON ENDWALL FOR UNDERDRAINS.

NOTE: THE RADII ARE MEASURED TO THE FLAG LINE AND EDGE OF PAVEMENT

OH OH OH

ADAMS-COLUMBIA ELECTRIC
COOPERATIVE ELECTRIC

T T OH OH

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	INTERSECTION DETAILS	SHEET 56	E

2

2

N

SLOPE INTERCEPT

1 FT GRAVEL SHOULDER

USH 151

1 FT GRAVEL SHOULDER

2 FT GRAVEL SHOULDER

1849 SB | 1850 SB | 1851 SB | 1852 SB | 1853 SB | 1854 SB | 1855 SB

STA. 1852+75 SB
4.00' RT.

STA. 1851+51 SB
14.0' RT.

2 FT GRAVEL SHOULDER

SLOPE INTERCEPT

STA. 1853+29 NB
14.0' LT.

1 FT GRAVEL SHOULDER

49 NB | 1850 NB | 1851 NB | 1852 NB | 1853 NB | 1854 NB | 1855 NB

STA. 1852+04 NB
4.00' LT.

USH 151

ONE WAY
R6-2R

34-01

MOVING SIGNS

1 FT GRAVEL SHOULDER

SLOPE INTERCEPT

ADAMS-COLUMBIA ELECTRIC
COOPERATIVE ELECTRIC

OH

STA. 1850+54 SB EXTEND 6 FT. RT.
STA. 1854+57 NB EXTEND 8 FT. LT.
EXTEND EXISTING PIPE UNDERDRAIN UNPERFORATED 6-INCH.
SALVAGE AND REINSTALL APRON ENDWALL FOR UNDERDRAINS.

CHARTER COMMUNICATIONS
FIBER OPTIC

FO | FO | FO

SIGN

LEGEND

EXISTING SIGN

PROPOSED SIGN

OH

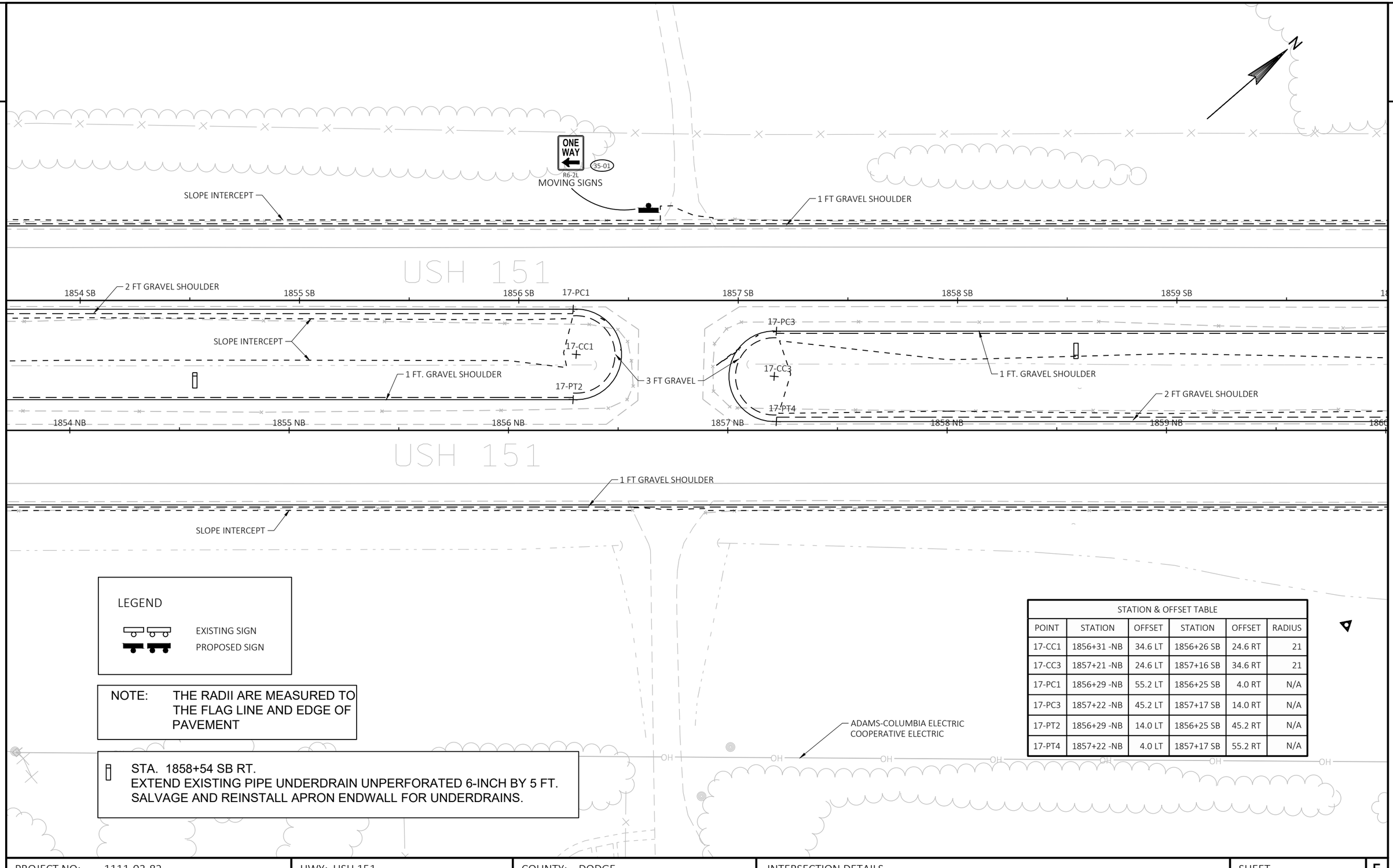
PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	INTERSECTION DETAILS	SHEET 57	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\021101-ID.DWG
LAYOUT NAME - 34

PLOT DATE : 9/26/2019 9:34 AM PLOT BY : HERRERA BAUTISTA, PE PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2



LEGEND

EXISTING SIGN

PROPOSED SIGN

NOTE: THE RADII ARE MEASURED TO THE FLAG LINE AND EDGE OF PAVEMENT

STA. 1858+54 SB RT.
EXTEND EXISTING PIPE UNDERDRAIN UNPERFORATED 6-INCH BY 5 FT.
SALVAGE AND REINSTALL APRON ENDWALL FOR UNDERDRAINS.

STATION & OFFSET TABLE

POINT	STATION	OFFSET	STATION	OFFSET	RADIUS
17-CC1	1856+31 -NB	34.6 LT	1856+26 SB	24.6 RT	21
17-CC3	1857+21 -NB	24.6 LT	1857+16 SB	34.6 RT	21
17-PC1	1856+29 -NB	55.2 LT	1856+25 SB	4.0 RT	N/A
17-PC3	1857+22 -NB	45.2 LT	1857+17 SB	14.0 RT	N/A
17-PT2	1856+29 -NB	14.0 LT	1856+25 SB	45.2 RT	N/A
17-PT4	1857+22 -NB	4.0 LT	1857+17 SB	55.2 RT	N/A

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	INTERSECTION DETAILS	SHEET 58	E

2

2

SLOPE INTERCEPT

1 FT GRAVEL SHOULDER

USH 151

59 SB

1 FT GRAVEL SHOULDER

1860 SB

1861 SB

1862 SB

2 FT GRAVEL SHOULDER

1863 SB

1864 SB

1865 SB

STA. 1861+42 NB
4.00' RT.

STA. 1860+17 SB
14.0' RT.

SLOPE INTERCEPT

2 FT GRAVEL SHOULDER

NB

1860 NB

1861 NB

1862 NB

1863 NB

1864 NB

1865 NB

USH 151

1 FT GRAVEL SHOULDER

SLOPE INTERCEPT

ADAMS-COLUMBIA ELECTRIC
COOPERATIVE ELECTRIC

OH

SIGN

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	INTERSECTION DETAILS	SHEET 59	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\021101-ID.DWG
LAYOUT NAME - 36

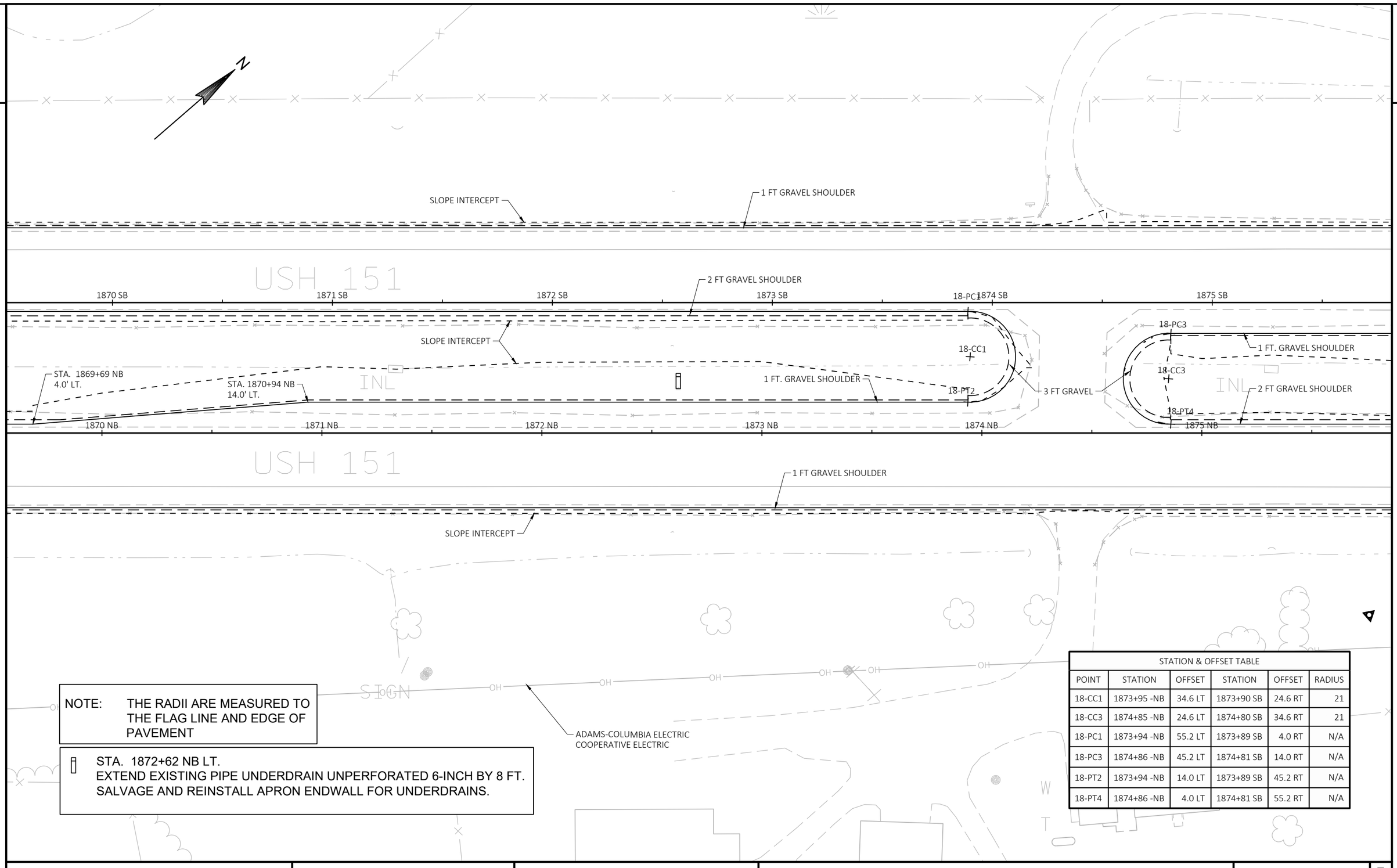
PLOT DATE : 9/26/2019 9:35 AM

PLOT BY : HERRERA BAUTISTA, PE

PLOT NAME :

PLOT SCALE : 1 IN:40 FT

2



NOTE: THE RADII ARE MEASURED TO THE FLAG LINE AND EDGE OF PAVEMENT

STA. 1872+62 NB LT.
EXTEND EXISTING PIPE UNDERDRAIN UNPERFORATED 6-INCH BY 8 FT.
SALVAGE AND REINSTALL APRON ENDWALL FOR UNDERDRAINS.

STATION & OFFSET TABLE

POINT	STATION	OFFSET	STATION	OFFSET	RADIUS
18-CC1	1873+95 -NB	34.6 LT	1873+90 SB	24.6 RT	21
18-CC3	1874+85 -NB	24.6 LT	1874+80 SB	34.6 RT	21
18-PC1	1873+94 -NB	55.2 LT	1873+89 SB	4.0 RT	N/A
18-PC3	1874+86 -NB	45.2 LT	1874+81 SB	14.0 RT	N/A
18-PT2	1873+94 -NB	14.0 LT	1873+89 SB	45.2 RT	N/A
18-PT4	1874+86 -NB	4.0 LT	1874+81 SB	55.2 RT	N/A

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	INTERSECTION DETAILS	SHEET 60	E

2

2

N

1 FT GRAVEL SHOULDER

SLOPE INTERCEPT

USH 151

1875 SB | 1876 SB | 1877 SB | 1878 SB | 1879 SB | 1880 SB | 1881 SB

1 FT. GRAVEL SHOULDER

STA. 1879+06 SB
4.00' RT.

2 FT GRAVEL SHOULDER

INL

SLOPE INTERCEPT

STA. 1877+81 SB
14.0' RT.

2 FT GRAVEL SHOULDER

1875 NB | 1876 NB | 1877 NB | 1878 NB | 1879 NB | 1880 NB | 1881 NB

USH 151

1 FT GRAVEL SHOULDER

SLOPE INTERCEPT

ADAMS-COLUMBIA ELECTRIC
COOPERATIVE ELECTRIC

OH

STA. 1876+56 SB RT.
EXTEND EXISTING PIPE UNDERDRAIN UNPERFORATED 6-INCH BY 4 FT.
SALVAGE AND REINSTALL APRON ENDWALL FOR UNDERDRAINS.

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	INTERSECTION DETAILS	SHEET 61	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\021101-ID.DWG
LAYOUT NAME - 38
PLOT DATE : 9/26/2019 9:35 AM
PLOT BY : HERRERA BAUTISTA, PE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2

2

N

SLOPE INTERCEPT

1 FT GRAVEL SHOULDER

USH 151

1894 SB

1895 SB

1896 SB

2 FT GRAVEL SHOULDER

1897 SB

1898 SB

1899 SB

SLOPE INTERCEPT

INL

2 FT GRAVEL SHOULDER

STA. 1897+53 NB
4.0' LT.

STA. 1898+84 NB
14.0' LT.

1 FT GRAVEL SHOULDER

1894 NB

1895 NB

1896 NB

1897 NB

1898 NB

1899 NB

USH 151

1 FT GRAVEL SHOULDER

STA. 1898+04 NB
34.0' RT.

STA. 1898+57 NB
38.0' RT.

SLOPE INTERCEPT

CHARTER COMMUNICATIONS
FIBER OPTIC

FO

OH

ADAMS-COLUMBIA ELECTRIC
COOPERATIVE ELECTRIC

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	INTERSECTION DETAILS	SHEET 62	E

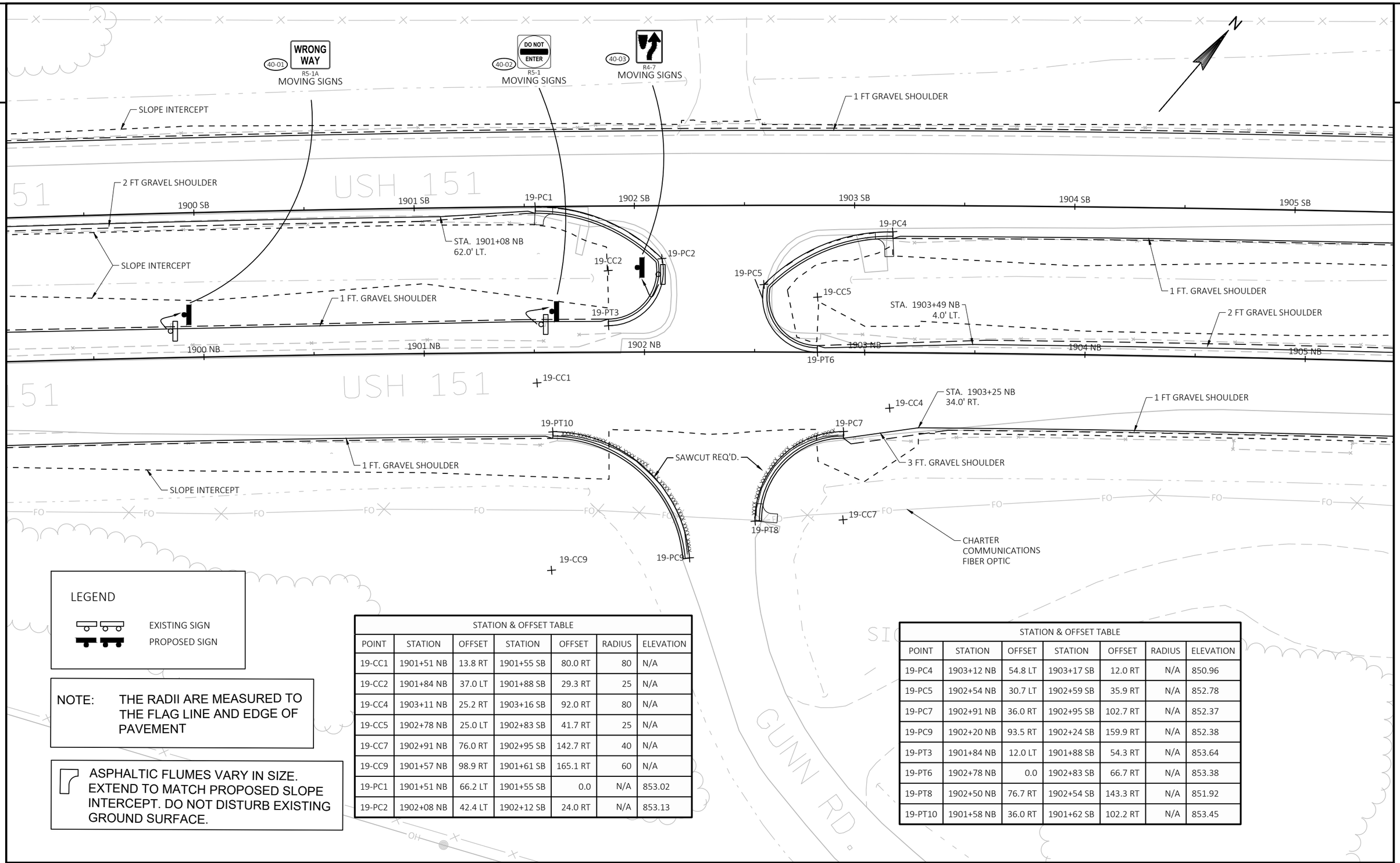
FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\021101-ID.DWG
LAYOUT NAME - 39

PLOT DATE : 9/26/2019 9:35 AM

PLOT BY : HERRERA BAUTISTA, PE

PLOT NAME :

PLOT SCALE : 1 IN:40 FT



LEGEND

EXISTING SIGN

PROPOSED SIGN

NOTE: THE RADII ARE MEASURED TO THE FLAG LINE AND EDGE OF PAVEMENT

ASPHALTIC FLUMES VARY IN SIZE. EXTEND TO MATCH PROPOSED SLOPE INTERCEPT. DO NOT DISTURB EXISTING GROUND SURFACE.

STATION & OFFSET TABLE

POINT	STATION	OFFSET	STATION	OFFSET	RADIUS	ELEVATION
19-CC1	1901+51 NB	13.8 RT	1901+55 SB	80.0 RT	80	N/A
19-CC2	1901+84 NB	37.0 LT	1901+88 SB	29.3 RT	25	N/A
19-CC4	1903+11 NB	25.2 RT	1903+16 SB	92.0 RT	80	N/A
19-CC5	1902+78 NB	25.0 LT	1902+83 SB	41.7 RT	25	N/A
19-CC7	1902+91 NB	76.0 RT	1902+95 SB	142.7 RT	40	N/A
19-CC9	1901+57 NB	98.9 RT	1901+61 SB	165.1 RT	60	N/A
19-PC1	1901+51 NB	66.2 LT	1901+55 SB	0.0	N/A	853.02
19-PC2	1902+08 NB	42.4 LT	1902+12 SB	24.0 RT	N/A	853.13

STATION & OFFSET TABLE

POINT	STATION	OFFSET	STATION	OFFSET	RADIUS	ELEVATION
19-PC4	1903+12 NB	54.8 LT	1903+17 SB	12.0 RT	N/A	850.96
19-PC5	1902+54 NB	30.7 LT	1902+59 SB	35.9 RT	N/A	852.78
19-PC7	1902+91 NB	36.0 RT	1902+95 SB	102.7 RT	N/A	852.37
19-PC9	1902+20 NB	93.5 RT	1902+24 SB	159.9 RT	N/A	852.38
19-PT3	1901+84 NB	12.0 LT	1901+88 SB	54.3 RT	N/A	853.64
19-PT6	1902+78 NB	0.0	1902+83 SB	66.7 RT	N/A	853.38
19-PT8	1902+50 NB	76.7 RT	1902+54 SB	143.3 RT	N/A	851.92
19-PT10	1901+58 NB	36.0 RT	1901+62 SB	102.2 RT	N/A	853.45

PROJECT NO: 1111-03-82	HWY: UAH 151	COUNTY: DODGE	INTERSECTION DETAILS	SHEET 63	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\021101-ID.DWG
LAYOUT NAME - 40
PLOT DATE : 9/26/2019 9:36 AM
PLOT BY : HERRERA BAUTISTA, PE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2

2

SLOPE INTERCEPT

1 FT GRAVEL SHOULDER

USH 151

2 FT GRAVEL SHOULDER

1904 SB 1905 SB 1906 SB 1907 SB 1908 SB 1909 SB 1910 SB

STA. 1907+44 SB
4.00' RT.

INL

1 FT. GRAVEL SHOULDER

STA. 1906+17 SB
14.0' RT.

SLOPE INTERCEPT

2 FT GRAVEL SHOULDER

STA. 1910+07 NB
4.0' LT.

1904 NB 1905 NB 1906 NB 1907 NB 1908 NB 1909 NB 1910 NB

1 FT GRAVEL SHOULDER

USH 151

SLOPE INTERCEPT

FO FO FO FO FO FO FO FO FO FO FO FO

SIGN SIGN

CHARTER COMMUNICATIONS
FIBER OPTIC

ONE WAY
R6-2R

41-01

MOVING SIGNS

SEPTIC

SEPTIC

A.G.

A.G.

T

T

LEGEND

EXISTING SIGN

PROPOSED SIGN

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	INTERSECTION DETAILS	SHEET 64	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\021101-ID.DWG
LAYOUT NAME - 41

PLOT DATE : 9/26/2019 9:36 AM PLOT BY : HERRERA BAUTISTA, PE PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

1 FT GRAVEL SHOULDER

SLOPE INTERCEPT

2 FT GRAVEL SHOULDER

1909 SB

1910 SB

1911 SB

1912 SB

1913 SB

1914 SB

20-PC1

1915 SB

SLOPE INTERCEPT

20-CC1

2 FT GRAVEL SHOULDER

STA. 1910+07 NB
4.0' LT.

STA. 1911+31 NB
14.0' LT.

1 FT. GRAVEL SHOULDER

20-PT2

1909 NB

1910 NB

1911 NB

1912 NB

1913 NB

1914 NB

1 FT GRAVEL SHOULDER

SLOPE INTERCEPT

FO

CHARTER COMMUNICATIONS
FIBER OPTIC

SIGN

SIGN

SEPTIC

AG

AG

T

T

T

G

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	INTERSECTION DETAILS	SHEET 65	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\021101-ID.DWG
LAYOUT NAME - 42

PLOT DATE : 9/26/2019 9:36 AM

PLOT BY : HERRERA BAUTISTA, PE

PLOT NAME :

PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

1 FT GRAVEL SHOULDER

USH 151

1914 SB | 1915 SB | 1916 SB | 1917 SB | 1918 SB | 1919 SB | 1920 SB

2 FT GRAVEL SHOULDER

20-PC1

20-CC1

1 FT. GRAVEL SHOULDER

20-PT2

3 FT GRAVEL

20-PC3

1 FT. GRAVEL SHOULDER

20-CC3

20-PT4

2 FT GRAVEL SHOULDER

STA. 1918+47 SB
14.0' RT.

STA. 1919+73 SB
4.00' RT.

INL

1914 NB | 1915 NB | 1916 NB | 1917 NB | 1918 NB | 1919 NB | 1920

USH 151

1 FT GRAVEL SHOULDER

FO

SIGN

SIGN

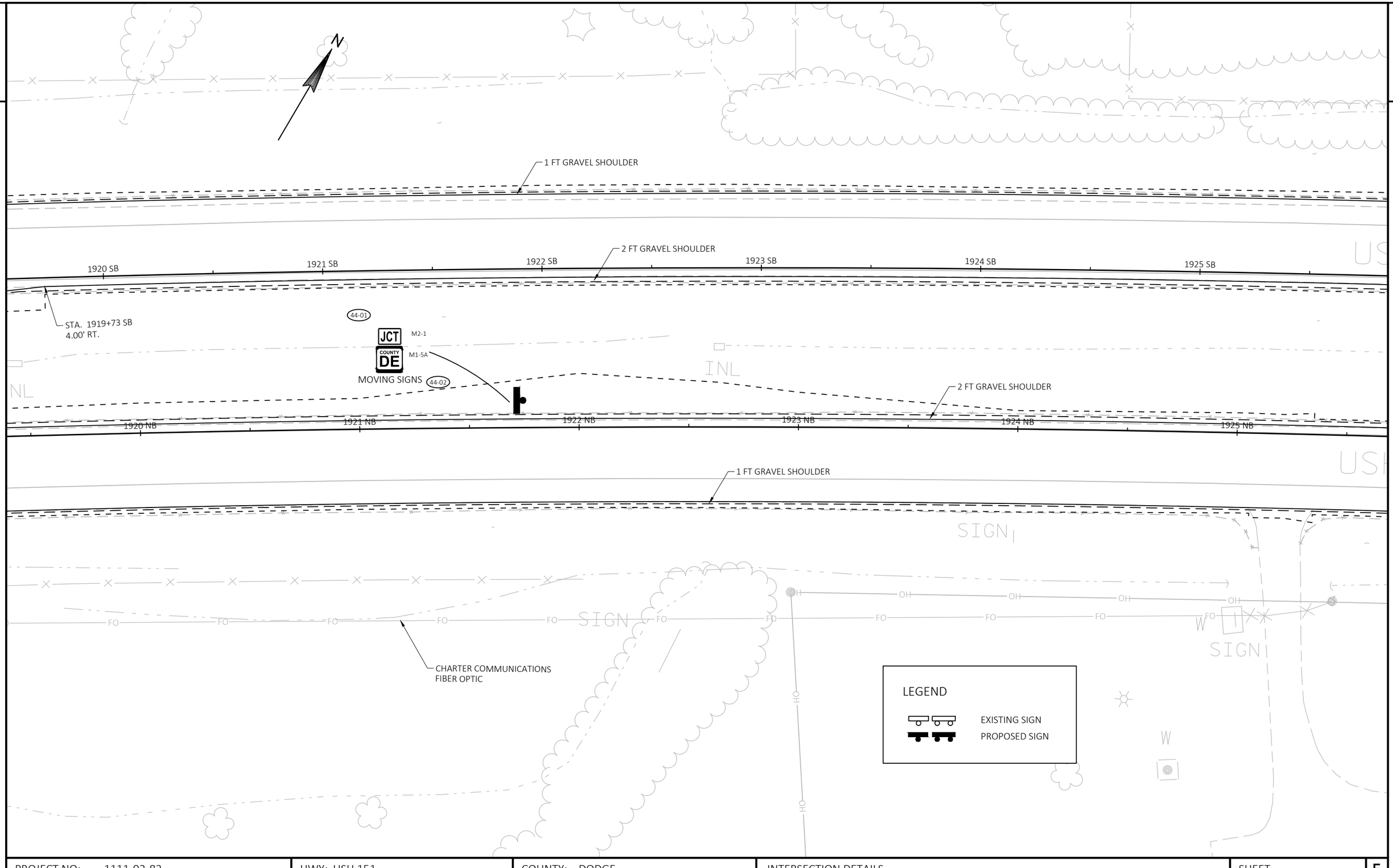
CHARTER COMMUNICATIONS
FIBER OPTIC

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	STATION	OFFSET	RADIUS
20-CC1	1914+32 -NB	40.2 LT	1914+43 SB	30.2 RT	26
20-CC3	1915+33 -NB	30.4 LT	1915+45 SB	40.4 RT	26
20-PC1	1914+30 -NB	66.5 LT	1914+42 SB	4.0 RT	N/A
20-PC3	1915+34 -NB	56.8 LT	1915+46 SB	14.0 RT	N/A
20-PT2	1914+31 -NB	14.0 LT	1914+42 SB	56.5 RT	N/A
20-PT4	1915+34 -NB	4.0 LT	1915+46 SB	66.8 RT	N/A

NOTE: THE RADII ARE MEASURED TO THE FLAG LINE AND EDGE OF PAVEMENT

STA. 1917+56 SB RT.
EXTEND EXISTING PIPE UNDERDRAIN UNPERFORATED 6-INCHBY 4 FT.
SALVAGE AND REINSTALL APRON ENDWALL FOR UNDERDRAINS.

2



PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	INTERSECTION DETAILS	SHEET 67	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\021101-ID.DWG
LAYOUT NAME - 44

PLOT DATE : 9/26/2019 9:37 AM PLOT BY : HERRERA BAUTISTA, PE PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

45-01 SOUTH M3-3

45-02 151 M1-4

MOVING SIGNS

N

1 FT GRAVEL SHOULDER

USH 151

1926 SB 1927 SB 1928 SB 2 FT GRAVEL SHOULDER 1929 SB 1930 SB 1931 SB

STA. 1927+72 NB
14.0' LT.

1 FT GRAVEL SHOULDER

2 FT GRAVEL SHOULDER

STA. 1926+49 NB
4.0' LT.

5 NB 1926 NB 1927 NB 1928 NB 1929 NB 1930 NB 1931 NB

USH 151

STA. 1926+29 NB
34.0' RT.

1 FT GRAVEL SHOULDER

STA. 1926+92 NB
38.0' RT.

45-03 WRONG WAY R5-1A

MOVING SIGNS

OH

ALLIANT ENERGY
ELECTRIC

SIGN

W

SIGN

W

LEGEND

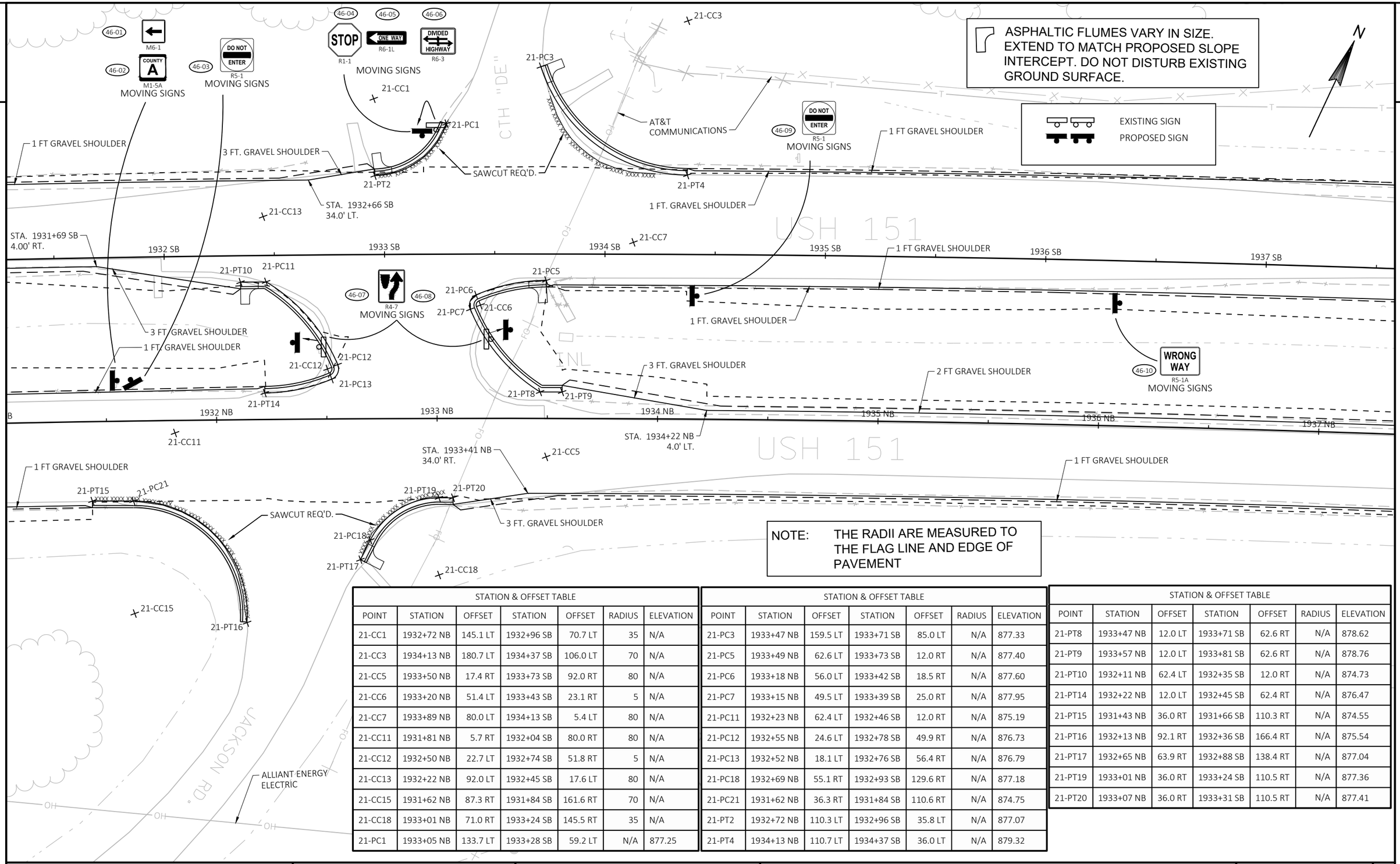
EXISTING SIGN

PROPOSED SIGN

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	INTERSECTION DETAILS	SHEET 68	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\021101-ID.DWG
LAYOUT NAME - 45

PLOT DATE : 9/26/2019 9:37 AM PLOT BY : HERRERA BAUTISTA, PE PLOT NAME : PLOT SCALE : 1 IN:40 FT



NOTE: THE RADII ARE MEASURED TO THE FLAG LINE AND EDGE OF PAVEMENT

STATION & OFFSET TABLE

POINT	STATION	OFFSET	STATION	OFFSET	RADIUS	ELEVATION
21-CC1	1932+72 NB	145.1 LT	1932+96 SB	70.7 LT	35	N/A
21-CC3	1934+13 NB	180.7 LT	1934+37 SB	106.0 LT	70	N/A
21-CC5	1933+50 NB	17.4 RT	1933+73 SB	92.0 RT	80	N/A
21-CC6	1933+20 NB	51.4 LT	1933+43 SB	23.1 RT	5	N/A
21-CC7	1933+89 NB	80.0 LT	1934+13 SB	5.4 LT	80	N/A
21-CC11	1931+81 NB	5.7 RT	1932+04 SB	80.0 RT	80	N/A
21-CC12	1932+50 NB	22.7 LT	1932+74 SB	51.8 RT	5	N/A
21-CC13	1932+22 NB	92.0 LT	1932+45 SB	17.6 LT	80	N/A
21-CC15	1931+62 NB	87.3 RT	1931+84 SB	161.6 RT	70	N/A
21-CC18	1933+01 NB	71.0 RT	1933+24 SB	145.5 RT	35	N/A
21-PC1	1933+05 NB	133.7 LT	1933+28 SB	59.2 LT	N/A	877.25

STATION & OFFSET TABLE

POINT	STATION	OFFSET	STATION	OFFSET	RADIUS	ELEVATION
21-PC3	1933+47 NB	159.5 LT	1933+71 SB	85.0 LT	N/A	877.33
21-PC5	1933+49 NB	62.6 LT	1933+73 SB	12.0 RT	N/A	877.40
21-PC6	1933+18 NB	56.0 LT	1933+42 SB	18.5 RT	N/A	877.60
21-PC7	1933+15 NB	49.5 LT	1933+39 SB	25.0 RT	N/A	877.95
21-PC11	1932+23 NB	62.4 LT	1932+46 SB	12.0 RT	N/A	875.19
21-PC12	1932+55 NB	24.6 LT	1932+78 SB	49.9 RT	N/A	876.73
21-PC13	1932+52 NB	18.1 LT	1932+76 SB	56.4 RT	N/A	876.79
21-PC18	1932+69 NB	55.1 RT	1932+93 SB	129.6 RT	N/A	877.18
21-PC21	1931+62 NB	36.3 RT	1931+84 SB	110.6 RT	N/A	874.75
21-PT2	1932+72 NB	110.3 LT	1932+96 SB	35.8 LT	N/A	877.07
21-PT4	1934+13 NB	110.7 LT	1934+37 SB	36.0 LT	N/A	879.32

STATION & OFFSET TABLE

POINT	STATION	OFFSET	STATION	OFFSET	RADIUS	ELEVATION
21-PT8	1933+47 NB	12.0 LT	1933+71 SB	62.6 RT	N/A	878.62
21-PT9	1933+57 NB	12.0 LT	1933+81 SB	62.6 RT	N/A	878.76
21-PT10	1932+11 NB	62.4 LT	1932+35 SB	12.0 RT	N/A	874.73
21-PT14	1932+22 NB	12.0 LT	1932+45 SB	62.4 RT	N/A	876.47
21-PT15	1931+43 NB	36.0 RT	1931+66 SB	110.3 RT	N/A	874.55
21-PT16	1932+13 NB	92.1 RT	1932+36 SB	166.4 RT	N/A	875.54
21-PT17	1932+65 NB	63.9 RT	1932+88 SB	138.4 RT	N/A	877.04
21-PT19	1933+01 NB	36.0 RT	1933+24 SB	110.5 RT	N/A	877.36
21-PT20	1933+07 NB	36.0 RT	1933+31 SB	110.5 RT	N/A	877.41

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	INTERSECTION DETAILS	SHEET 69	E

2

2

N

AT&T TELEPHONE

1 FT GRAVEL SHOULDER

STA. 1938+90 SB
38.0' LT.

STA. 1939+51 SB
34.0' LT.

2 FT GRAVEL SHOULDER

1936 SB

1937 SB

1 FT GRAVEL SHOULDER

1938 SB

1939 SB

1940 SB

1941 SB

1942 SB

STA. 1939+54 SB
4.00' RT.

STA. 1938+27 SB
14.0' RT.

2 FT GRAVEL SHOULDER

1936 NB

1937 NB

1938 NB

1939 NB

1940 NB

1941 NB

1 FT GRAVEL SHOULDER

OH

ALLIANT ENERGY
ELECTRIC

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	INTERSECTION DETAILS	SHEET 70	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\021101-ID.DWG
LAYOUT NAME - 47

PLOT DATE : 9/26/2019 9:37 AM

PLOT BY : HERRERA BAUTISTA, PE

PLOT NAME :

PLOT SCALE : 1 IN:40 FT

2

2

N

AT&T TELEPHONE

1 FT GRAVEL SHOULDER

USH 151

2 FT GRAVEL SHOULDER

1942 SB

1943 SB

1944 SB

1945 SB

1946 SB

22-PC1 1947 SB

INL

22-CC1

22-PT2

2 FT GRAVEL SHOULDER

STA. 1942+33 NB
4.0' LT.

STA. 1943+58 NB
14.0' LT.

1941 NB

1942 NB

1943 NB

1944 NB

1945 NB

1946 NB

1947 NB

USH 151

1 FT. GRAVEL SHOULDER

1 FT GRAVEL SHOULDER

ALLIANT ENERGY
ELECTRIC

OH

FO

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	INTERSECTION DETAILS	SHEET 71	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\021101-ID.DWG
LAYOUT NAME - 48

PLOT DATE : 9/26/2019 9:38 AM

PLOT BY : HERRERA BAUTISTA, PE

PLOT NAME :

PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

2

N

AT&T TELEPHONE

1 FT GRAVEL SHOULDER

2 FT GRAVEL SHOULDER

3 FT GRAVEL

22-PC1

1947 SB

1948 SB

1949 SB

1950 SB

1951 SB

1952 SB

STA. 1952+17 SB
4.00' RT.

22-PC3

INL

22-CC1

49-01

R3-4B

EXCEPT MAINTENANCE AND POLICE AUTHORIZED VEHICLES

MOVING SIGNS

49-02

22-CC3

1 FT. GRAVEL SHOULDER

STA. 1950+91 SB
14.0' RT.

ALLIANT ENERGY
(WPL) GAS

22-PT2

22-PT4

2 FT GRAVEL SHOULDER

1946 NB

1947 NB

1948 NB

1949 NB

1950 NB

1951 NB

1952 NB

1 FT. GRAVEL SHOULDER

CAUTION

1 FT GRAVEL SHOULDER

ALLIANT ENERGY
ELECTRIC

OH

FO

CHARTER COMMUNICATIONS
FIBER OPTIC

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	STATION	OFFSET	RADIUS
22-CC1	1946+59 -NB	41.2 LT	1946+87 SB	31.2 RT	27
22-CC3	1947+62 -NB	31.0 LT	1947+91 SB	41.0 RT	27
22-PC1	1946+58 -NB	68.4 LT	1946+86 SB	4.0 RT	N/A
22-PC3	1947+63 -NB	58.0 LT	1947+92 SB	14.0 RT	N/A
22-PT2	1946+58 -NB	14.0 LT	1946+86 SB	58.4 RT	N/A
22-PT4	1947+63 -NB	4.0 LT	1947+92 SB	68.0 RT	N/A

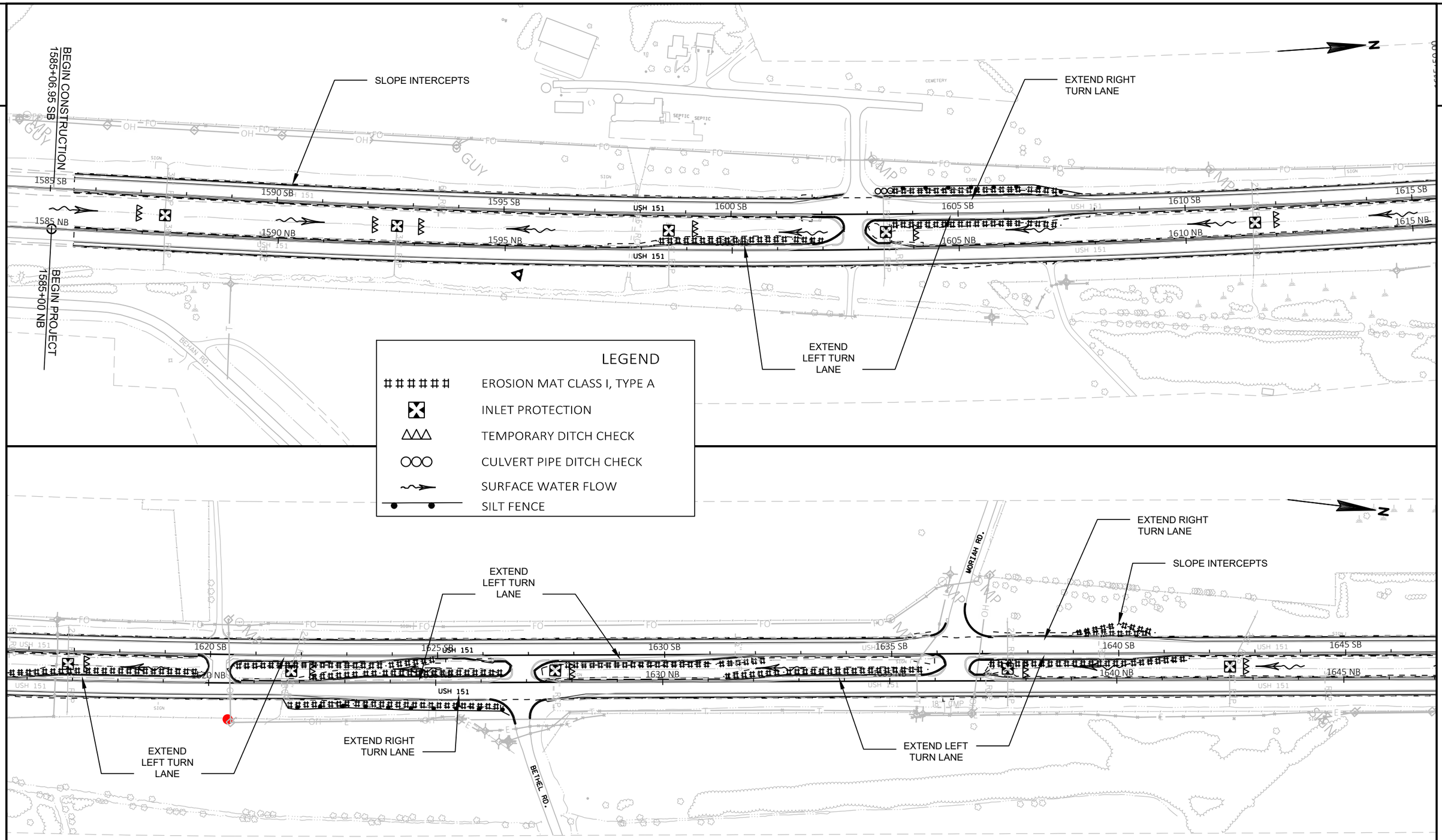
NOTE: THE RADII ARE MEASURED TO THE FLAG LINE AND EDGE OF PAVEMENT

LEGEND

EXISTING SIGN

PROPOSED SIGN

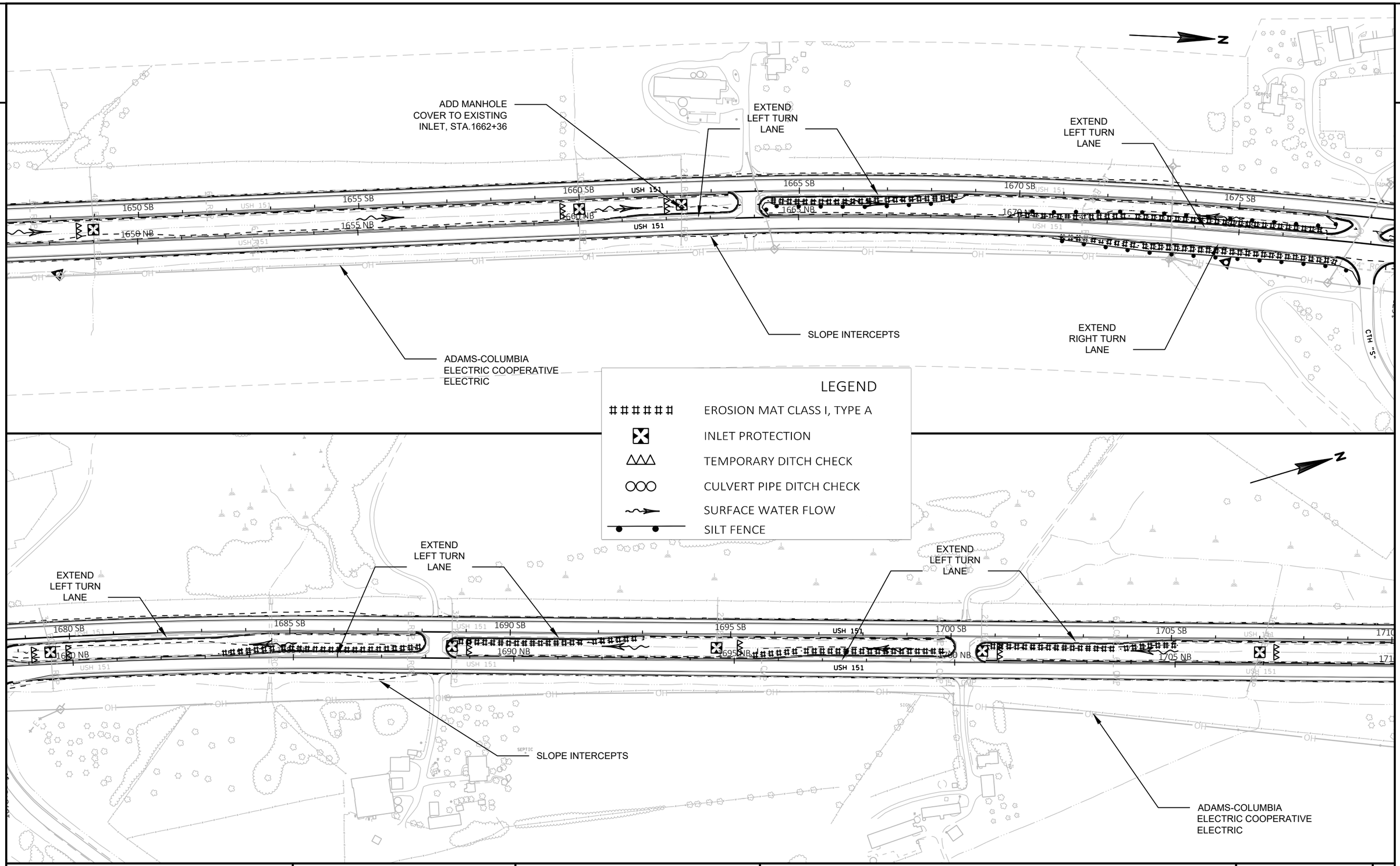
PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	INTERSECTION DETAILS	SHEET 72	E



PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	EROSION CONTROL	SHEET 73	E

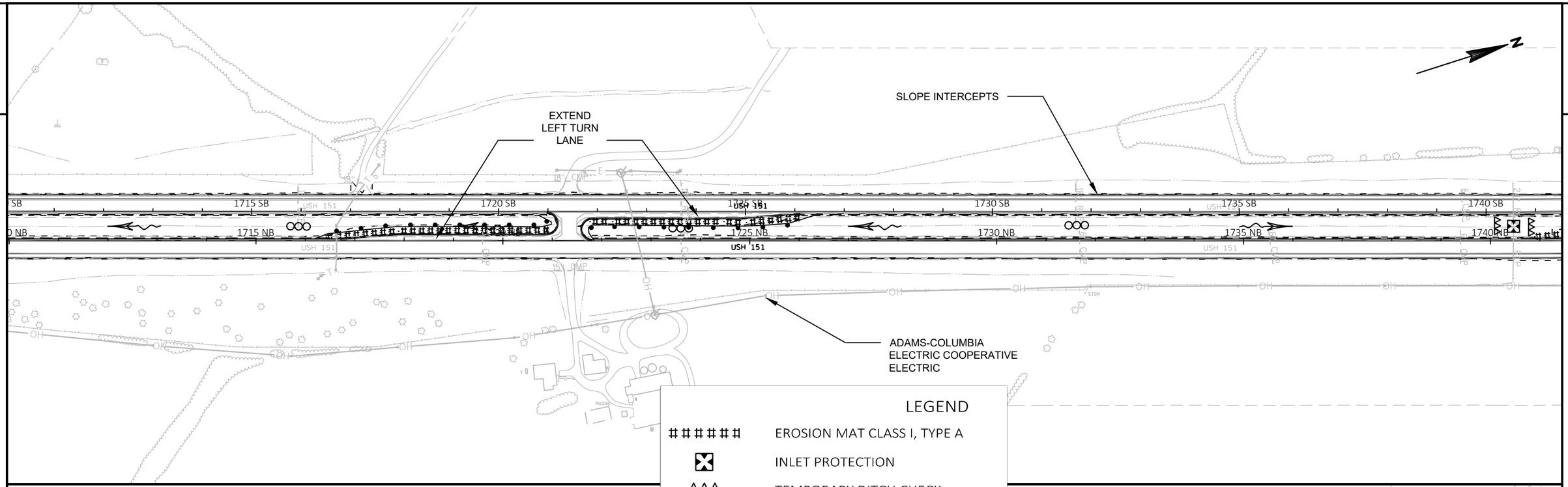
FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\022001-EC.DWG
LAYOUT NAME - PLAN - 1
PLOT DATE : 9/24/2019 2:10 PM
PLOT BY : THOMPSON, BENJAMIN P
PLOT NAME :
PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 44

2



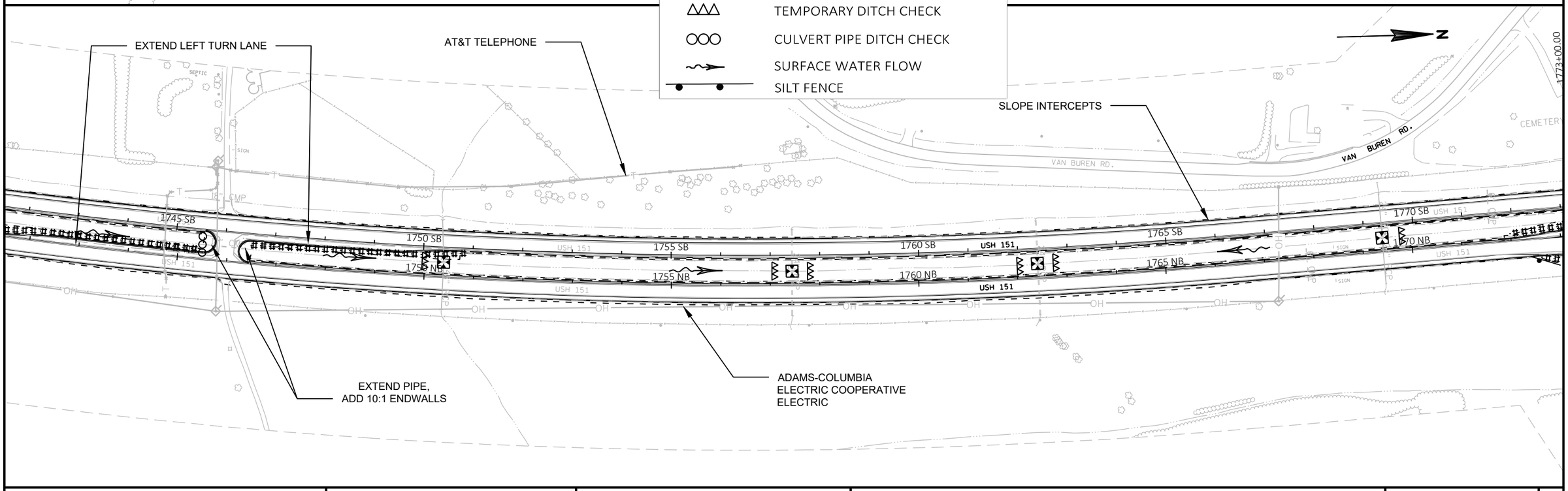
PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	EROSION CONTROL	SHEET 74	E

2



LEGEND

######	EROSION MAT CLASS I, TYPE A
	INLET PROTECTION
	TEMPORARY DITCH CHECK
	CULVERT PIPE DITCH CHECK
	SURFACE WATER FLOW
	SILT FENCE



PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	EROSION CONTROL	SHEET 75	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\022001-EC.DWG
LAYOUT NAME - PLAN - 3

PLOT DATE : 9/24/2019 2:11 PM PLOT BY : THOMPSON, BENJAMIN P PLOT NAME : PLOT SCALE : 1 IN:200 FT

2

N. SALEM RD.

E. SALEM RD.

USH 151

1775 SB

1780 SB

1780 NB

1785 SB

1785 NB

1790 SB

1790 NB

1795 SB

1800 SB

1800 NB

SLOPE INTERCEPTS

EXTEND LEFT TURN LANE

EXTEND LEFT TURN LANE

EXTEND LEFT TURN LANE

EXTEND RIGHT TURN LANE

AT&T TELEPHONE

ADJUST INLET ELEVATION AS NEEDED

ADAMS-COLUMBIA ELECTRIC COOPERATIVE ELECTRIC

LEGEND

- EROSION MAT CLASS I, TYPE A
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE DITCH CHECK
- SURFACE WATER FLOW
- SILT FENCE

FOREST RD.

1805 SB

1805 NB

1810 SB

1810 NB

1815 SB

1815 NB

1820 SB

1820 NB

1825 SB

1825 NB

1830 SB

1830 NB

1835 SB

1835 NB

EXTEND LEFT TURN LANE

ADJUST INLET ELEVATION AS NEEDED

EXTEND RIGHT TURN LANE

CHARTER COMMUNICATIONS FIBER OPTIC

SLOPE INTERCEPTS

EXTEND LEFT TURN LANE

ADAMS-COLUMBIA ELECTRIC COOPERATIVE ELECTRIC/ CHARTER COMMUNICATIONS FIBER OPTIC

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	EROSION CONTROL	SHEET 76	E

2

2

SLOPE INTERCEPTS

EXTEND LEFT TURN LANE

EXTEND LEFT TURN LANE

1840 SB

1840 NB

1845 SB

1850 SB

1850 NB

USH 151

1855 SB

1860 SB

1860 NB

1865 SB

1865 NB

ADJUST INLET ELEVATION

AT&T TELEPHONE

ADAMS-COLUMBIA ELECTRIC COOPERATIVE/ CHARTER COMMUNICATIONS FIBER OPTIC

CHARTER COMMUNICATIONS FIBER OPTIC

LEGEND

EROSION MAT CLASS I, TYPE A

INLET PROTECTION

TEMPORARY DITCH CHECK

CULVERT PIPE DITCH CHECK

SURFACE WATER FLOW

SILT FENCE

ADJUST INLET ELEVATION AS NEEDED

1870 SB

1875 SB

1875 NB

1880 SB

1880 NB

1885 SB

1885 NB

1890 SB

1890 NB

1895 SB

1895 NB

SLOPE INTERCEPTS

EXTEND LEFT TURN LANE

ADAMS-COLUMBIA ELECTRIC COOPERATIVE/ CHARTER COMMUNICATIONS FIBER OPTIC

DELINEATED WETLAND

EXTEND RIGHT TURN LANE

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	EROSION CONTROL	SHEET 77	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\022001-EC.DWG
LAYOUT NAME - PLAN - 5

PLOT DATE : 9/24/2019 2:12 PM PLOT BY : THOMPSON, BENJAMIN P PLOT NAME : PLOT SCALE : 1 IN:200 FT

2

EXTEND PIPE, ADD 10:1 ENDWALLS

DELINEATED WETLAND

EXTEND PIPE, ADD 10:1 ENDWALLS

SLOPE INTERCEPTS

EXTEND LEFT TURN LANE

DELINEATED WETLAND

EXTEND LEFT TURN LANE

DELINEATED WETLAND

EXTEND RIGHT TURN LANE

1899+00.00

GUNN RD.

KLATT RD.

JACKSON RD.

USH 151

1900 SB

1905 SB

1905 NB

1910 SB

1910 NB

1915 SB

1915 NB

1920 SB

1920 NB

1925 SB

1925 NB

1930 SB

LEGEND

######	EROSION MAT CLASS I, TYPE A
⊠	INLET PROTECTION
△△△	TEMPORARY DITCH CHECK
○○○	CULVERT PIPE DITCH CHECK
~→	SURFACE WATER FLOW
●—●	SILT FENCE

EXTEND LEFT TURN LANE

EXTEND RIGHT TURN LANE

SLOPE INTERCEPTS

EXTEND LEFT TURN LANE

WETLAND

CAUTION

CAUTION

END CONSTRUCTION 1959+75 SB

END CONSTRUCTION 1955+50 NB

END PROJECT 1959+47 NB

1930+50.00

USH 151

1930 SB

1935 SB

1935 NB

1940 SB

1940 NB

1945 SB

1945 NB

1950 SB

1950 NB

1955 SB

1955 NB

1960 SB

1960 NB

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	EROSION CONTROL	SHEET 78 E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\022001-EC.DWG
LAYOUT NAME - PLAN - 6

PLOT DATE : 9/24/2019 2:12 PM

PLOT BY : THOMPSON, BENJAMIN P

PLOT NAME :

PLOT SCALE : 1 IN:200 FT

2

2

AMTRAK STATION
Exit 120
REMOVE SIGN AND SUPPORTS.

AMTRAK STATION
Exit 120
E3-1
192"X60"
INSTALL NEW SIGN & SUPPORTS
10 FT. CLOSER TO INTERCHANGE.

BEGIN CONSTRUCTION
1585+52 SB

Exit 120
BUSINESS
73
151
Columbus
Randolph
1/2 Mile
REMOVE SIGN & SUPPORTS

Christopher
Columbus
Museum
Exit 120
REMOVE SIGNS & SUPPORTS.

Christopher
Columbus
Museum
Exit 120
E3-1
144"X108"
INSTALL NEW SIGN & SUPPORTS
10 FT. CLOSER TO INTERCHANGE.

Columbus
Next 3 Exits
E9-1
132"X54"
NEW SIGN & SUPPORTS.
10 FT. FROM EXISTING SIGN

Columbus Exits
Hwy 73 - Bus 151 3/4
Hwy 16 3 1/4
Hwy 73 5 1/2
REMOVE SIGN & SUPPORTS

1590 SB
1595 SB
1600 SB
1605 SB
1610 SB
1615 SB
1590 NB
1595 NB
1600 NB
1605 NB
1610 NB
1615 NB
USH 151

BEGIN PROJECT
1585+50 NB

BEHAN RD.

D2-3
204"X84"
Beaver Dam 11
Waupun 23
Fond du Lac 42
NEW SIGN & SUPPORTS

Exit 120
E1-5P
108"X30"
BUSINESS
73
151
Columbus
Randolph
1 Mile
E1-1A
192"X186"
NEW SIGN & SUPPORTS

MORIAH RD.

1620 SB
1625 SB
1630 SB
1635 SB
1640 SB
1645 SB
1620 NB
1625 NB
1630 NB
1635 NB
1640 NB
1645 NB
USH 151

Beaver Dam 11
Waupun 23
Fond du Lac 42
REMOVE SIGN & SUPPORTS

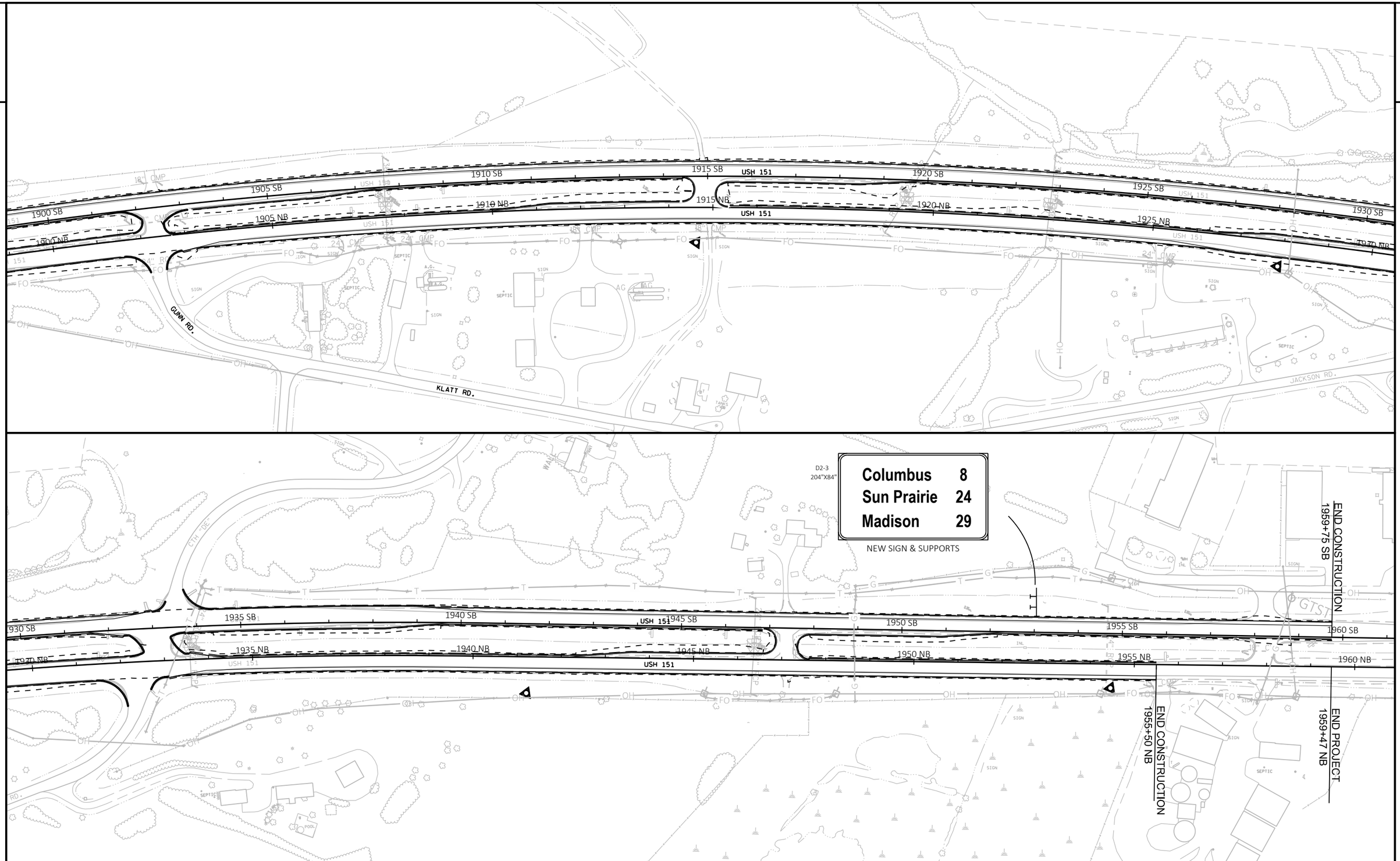
BETHEL RD.

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	PERMANENT SIGNING	SHEET 79	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\023201-PS.DWG PLOT DATE : 6/28/2019 8:19 AM PLOT BY : HERRERA BAUTISTA, PE PLOT NAME :

2

2



PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	PERMANENT SIGNING	SHEET 80	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\023201-PS.DWG PLOT DATE : 6/28/2019 8:20 AM PLOT BY : HERRERA BAUTISTA, PE PLOT NAME :

GENERAL NOTES FOR CHANGEABLE MESSAGE SIGNS

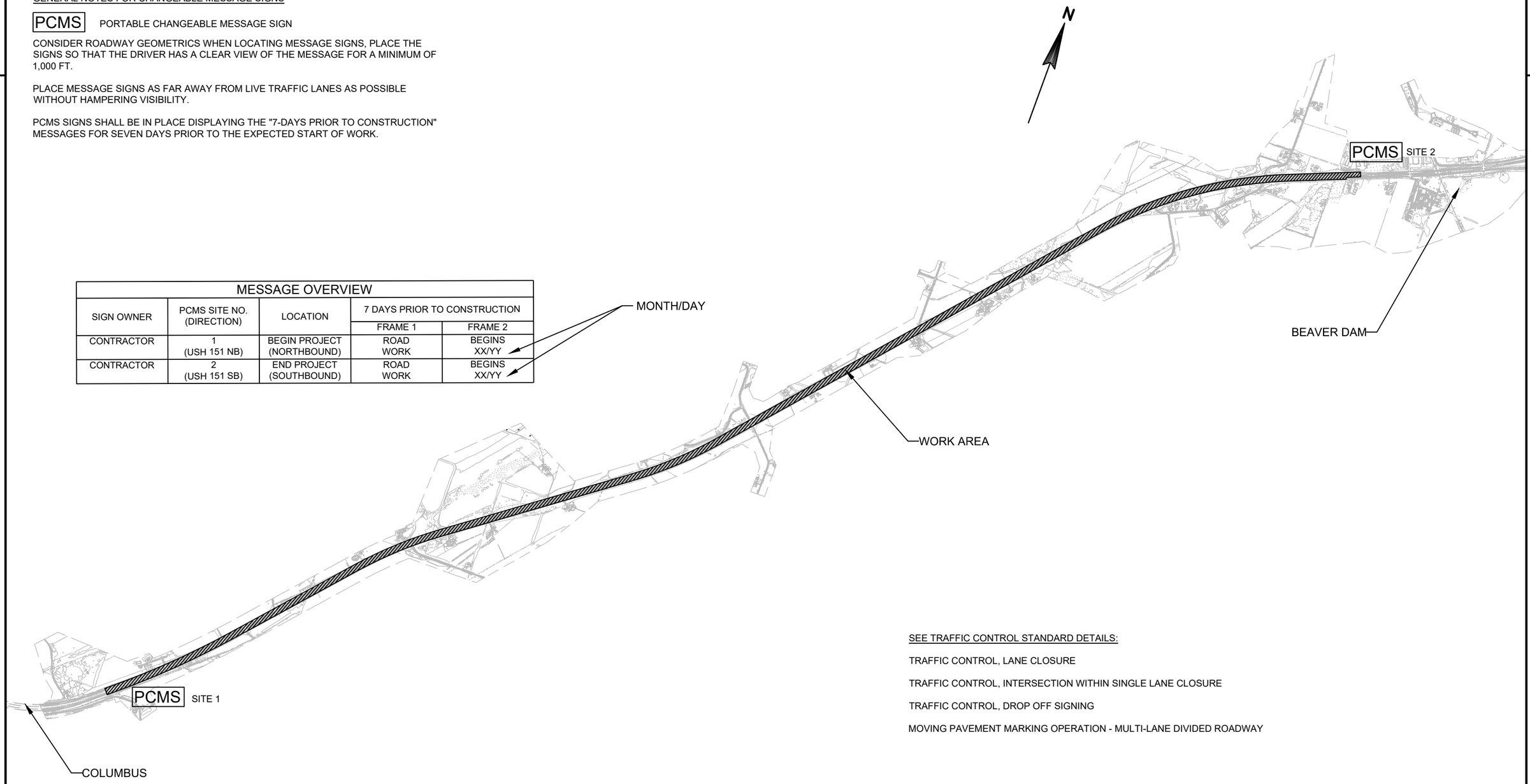
PCMS PORTABLE CHANGEABLE MESSAGE SIGN

CONSIDER ROADWAY GEOMETRICS WHEN LOCATING MESSAGE SIGNS, PLACE THE SIGNS SO THAT THE DRIVER HAS A CLEAR VIEW OF THE MESSAGE FOR A MINIMUM OF 1,000 FT.

PLACE MESSAGE SIGNS AS FAR AWAY FROM LIVE TRAFFIC LANES AS POSSIBLE WITHOUT HAMPERING VISIBILITY.

PCMS SIGNS SHALL BE IN PLACE DISPLAYING THE "7-DAYS PRIOR TO CONSTRUCTION" MESSAGES FOR SEVEN DAYS PRIOR TO THE EXPECTED START OF WORK.

MESSAGE OVERVIEW				
SIGN OWNER	PCMS SITE NO. (DIRECTION)	LOCATION	7 DAYS PRIOR TO CONSTRUCTION	
			FRAME 1	FRAME 2
CONTRACTOR	1 (USH 151 NB)	BEGIN PROJECT (NORTHBOUND)	ROAD WORK	BEGINS XX/YY
CONTRACTOR	2 (USH 151 SB)	END PROJECT (SOUTHBOUND)	ROAD WORK	BEGINS XX/YY



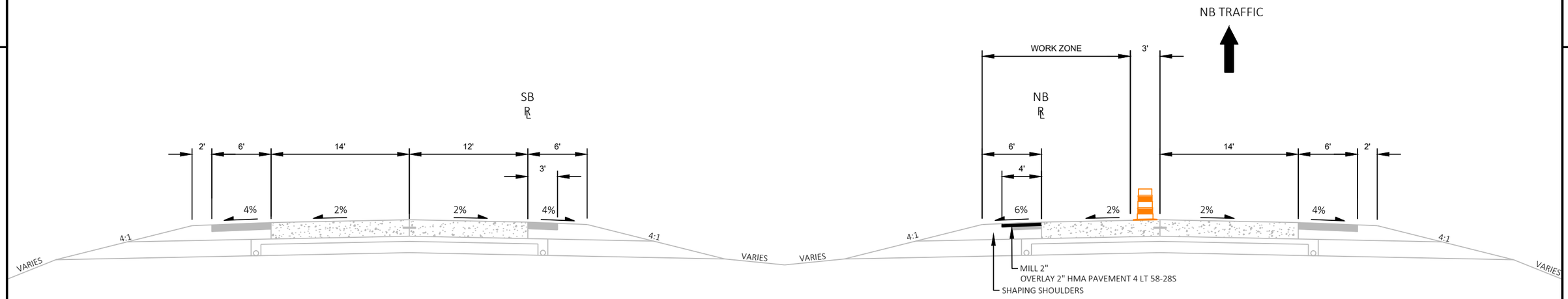
SEE TRAFFIC CONTROL STANDARD DETAILS:

TRAFFIC CONTROL, LANE CLOSURE

TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE

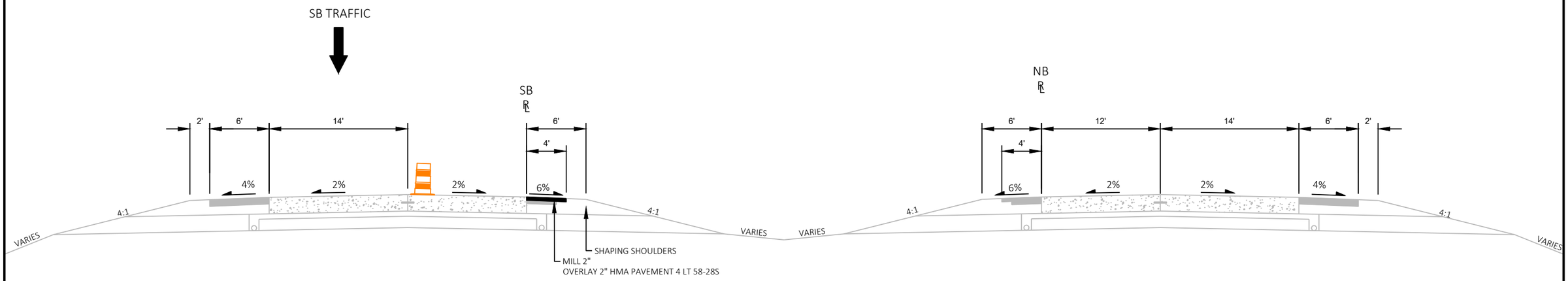
TRAFFIC CONTROL, DROP OFF SIGNING

MOVING PAVEMENT MARKING OPERATION - MULTI-LANE DIVIDED ROADWAY



STAGE 1A

MAINLINE
WIDEN USH 151 NB
MEDIAN PAVED SHOULDER



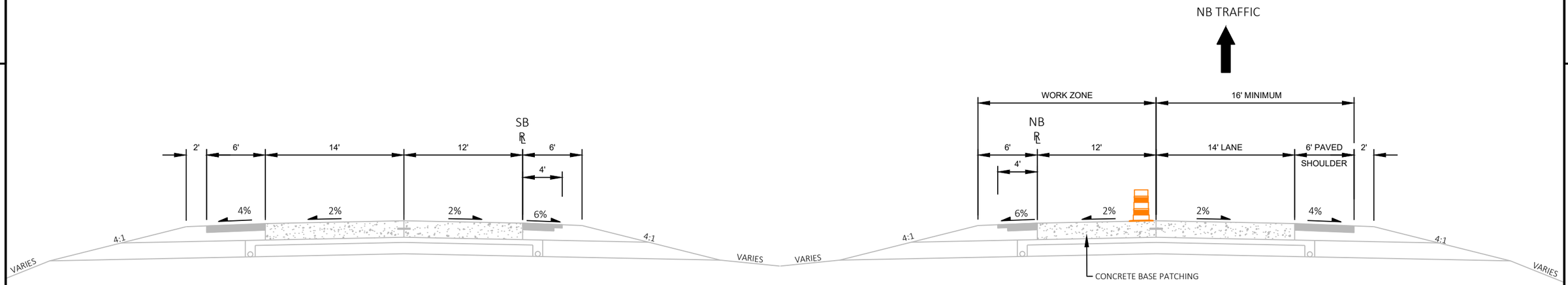
STAGE 1B

MAINLINE
WIDEN USH 151 SB
MEDIAN PAVED SHOULDER

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CONSTRUCTION STAGING - TYPICALS	SHEET 82	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\SEPTMENBER CHANGES\026001_S1.DWG
LAYOUT NAME - STAGE 1
PLOT DATE : 9/26/2019 10:26 AM
PLOT BY : HERRERA BAUTISTA, PE
PLOT NAME :
PLOT SCALE : 1 IN:10 FT

SEE TRAFFIC CONTROL STANDARD DETAILS:
TRAFFIC CONTROL, LANE CLOSURE
TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE

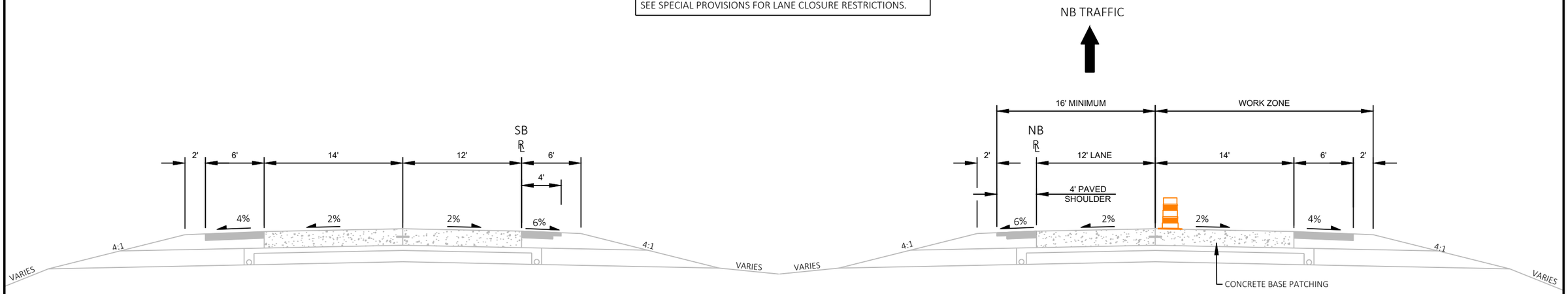


STAGE 2A

MAINLINE
BASE PATCHING CONCRETE AND/OR
CONCRETE JOINT AND CRACK CLEANING
OF USH 151 NB MEDIAN LANE; PLACE
BORROW FOR LEFT TURN LANES; REMOVE
CURB AND GUTTER AT MEDIAN CROSSINGS

NORTHBOUND

CONTRACTOR ALLOWED TO WORK ON NB & SB CONCURRENTLY.
SEE SPECIAL PROVISIONS FOR LANE CLOSURE RESTRICTIONS.



STAGE 2B

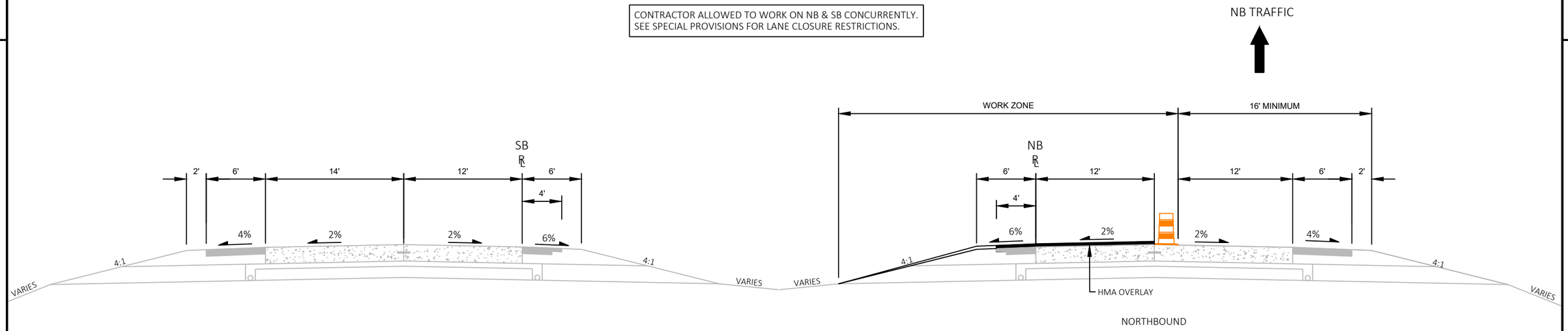
MAINLINE
BASE PATCHING CONCRETE AND/OR
CONCRETE JOINT AND CRACK CLEANING
OF USH 151 NB OUTSIDE LANE; PLACE BORROW FOR
SHOULDER WIDENING AND RIGHT TURN LANES;
REMOVE CURB AND GUTTER AT SIDE ROAD
INTERSECTIONS

NORTHBOUND

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CONSTRUCTION STAGING - TYPICALS	SHEET 83	E

SEE TRAFFIC CONTROL STANDARD DETAILS:
TRAFFIC CONTROL, LANE CLOSURE
TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
TRAFFIC CONTROL, DROP OFF SIGNING

CONTRACTOR ALLOWED TO WORK ON NB & SB CONCURRENTLY.
SEE SPECIAL PROVISIONS FOR LANE CLOSURE RESTRICTIONS.

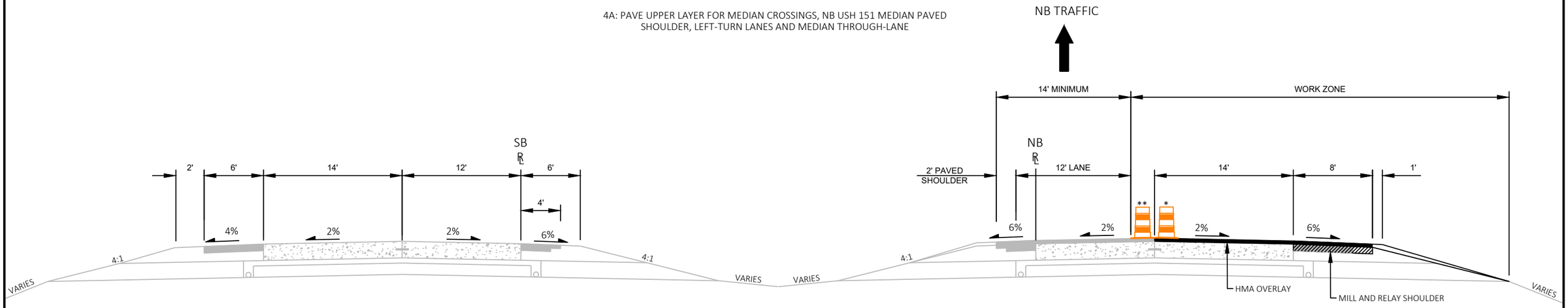


NORTHBOUND

STAGE 3A, 4A

MAINLINE
3A: MILL AND RE-LAY NB USH 151 MEDIAN EXISTING TURN LANES AND MEDIAN CROSSINGS; RECONSTRUCT CURB AND GUTTER AT MEDIAN CROSSINGS; PAVE LOWER LAYER FOR MEDIAN CROSSINGS, NB USH 151 MEDIAN SHOULDER, LEFT-TURN LANES AND MEDIAN THROUGH-LANE

4A: PAVE UPPER LAYER FOR MEDIAN CROSSINGS, NB USH 151 MEDIAN PAVED SHOULDER, LEFT-TURN LANES AND MEDIAN THROUGH-LANE



NORTHBOUND

STAGE 3B, 4B

MAINLINE
3B: MILL AND RE-LAY NB OUTSIDE PAVED SHOULDER, SIDE ROAD INTERSECTION TIE-INS; RECONSTRUCT CURB AND GUTTER AT SIDE ROAD INTERSECTIONS; PAVE LOWER LAYER FOR SIDE ROAD INTERSECTIONS, OUTSIDE PAVED SHOULDER, RIGHT-TURN LANES AND NB OUTSIDE THROUGH-LANE

4B: PAVE UPPER LAYER FOR SIDE ROAD INTERSECTIONS, NB OUTSIDE PAVED SHOULDER, RIGHT-TURN LANES, AND NB OUTSIDE THROUGH-LANE; APPLY PAVEMENT MARKINGS AND CONSTRUCT NB SHOULDER RUMBLE STRIPS

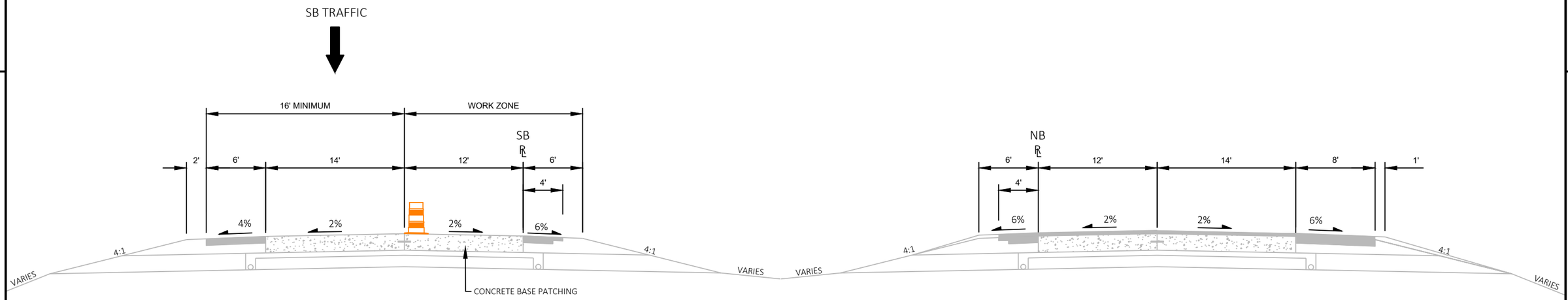
* NORMAL DRUM AND LANE LOCATION DURING NON-WORKING HOURS AND DESIGNATED WORKING HOURS WHEN CONSTRUCTION OPERATION IS NOT PRESENT.

** TEMPORARY DRUM AND LANE LOCATION. DRUM SHALL BE MOVED TO THIS LOCATION IMMEDIATELY PRECEDING CONSTRUCTION OPERATION AND RETURNED TO NORMAL POSITION IMMEDIATELY AFTER CONSTRUCTION OPERATION HAS PASSED. TRAFFIC EXPECTED TO SHIFT ONTO SHOULDER TO BYPASS CONSTRUCTION OPERATIONS.

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CONSTRUCTION STAGING - TYPICALS	SHEET 84	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\SEPTMENBER CHANGES\026001_S1.DWG
LAYOUT NAME - STAGE 3&4
PLOT DATE : 9/26/2019 10:26 AM PLOT BY : HERRERA BAUTISTA, PE PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

SEE TRAFFIC CONTROL STANDARD DETAILS:
TRAFFIC CONTROL, LANE CLOSURE
TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE



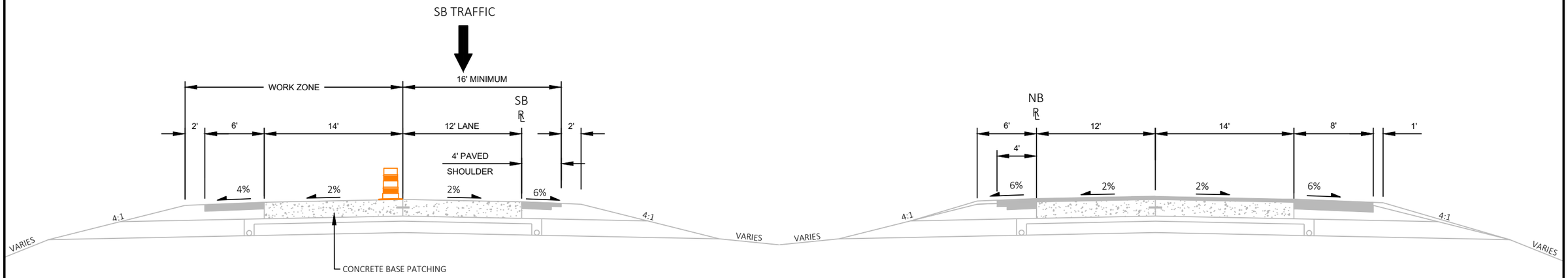
SOUTHBOUND RIGHT LANE

NORTHBOUND

STAGE 5A

MAINLINE
BASE PATCHING CONCRETE AND/OR
CONCRETE JOINT AND CRACK CLEANING
OF USH 151 SB MEDIAN LANE; PLACE
BORROW FOR LEFT TURN LANES; REMOVE
CURB AND GUTTER AT MEDIAN
CROSSINGS

CONTRACTOR ALLOWED TO WORK ON NB & SB CONCURRENTLY.
SEE SPECIAL PROVISIONS FOR LANE CLOSURE RESTRICTIONS.



SOUTHBOUND LEFT LANE

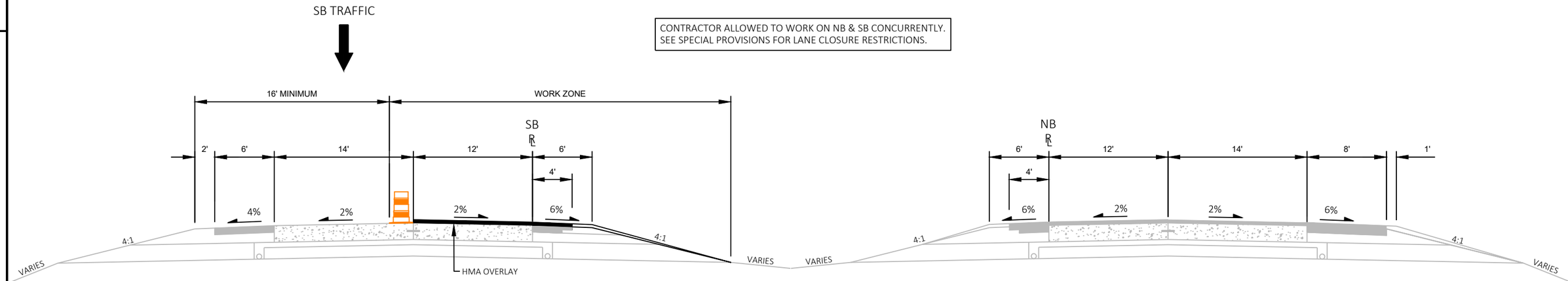
NORTHBOUND

STAGE 5B

MAINLINE
BASE PATCHING CONCRETE AND/OR
CONCRETE JOINT AND CRACK CLEANING
OF USH 151 SB OUTSIDE LANE; PLACE
BORROW FOR SHOULDER WIDENING AND
RIGHT TURN LANES; REMOVE CURB AND
GUTTER AT SIDE ROAD INTERSECTIONS

SEE TRAFFIC CONTROL STANDARD DETAILS:
TRAFFIC CONTROL, LANE CLOSURE
TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
TRAFFIC CONTROL, DROP OFF SIGNING

CONTRACTOR ALLOWED TO WORK ON NB & SB CONCURRENTLY.
SEE SPECIAL PROVISIONS FOR LANE CLOSURE RESTRICTIONS.



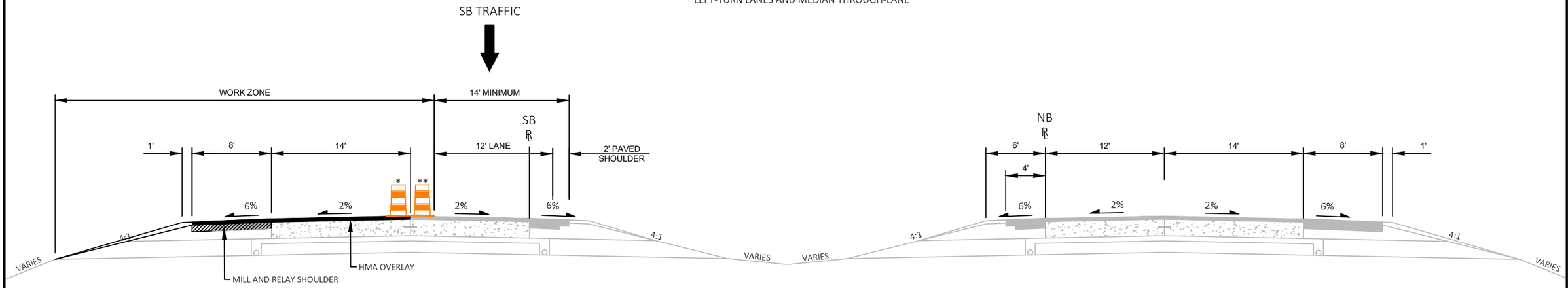
SOUTHBOUND RIGHT LANE

STAGE 6A, 7A

MAINLINE

6A: MILL AND RE-LAY SB USH 151 MEDIAN EXISTING TURN LANES AND MEDIAN CROSSINGS; RECONSTRUCT CURB AND GUTTER AT MEDIAN CROSSINGS; PAVE LOWER LAYER FOR MEDIAN CROSSINGS, SB USH 151 MEDIAN SHOULDER, LEFT-TURN LANES AND MEDIAN THROUGH-LANE

7A: PAVE UPPER LAYER FOR MEDIAN CROSSINGS, SB USH 151 MEDIAN PAVED SHOULDER, LEFT-TURN LANES AND MEDIAN THROUGH-LANE



SOUTHBOUND LEFT LANE

* NORMAL DRUM AND LANE LOCATION DURING NON-WORKING HOURS AND DESIGNATED WORKING HOURS WHEN CONSTRUCTION OPERATION IS NOT PRESENT.

** TEMPORARY DRUM AND LANE LOCATION. DRUM SHALL BE MOVED TO THIS LOCATION IMMEDIATELY PRECEDING CONSTRUCTION OPERATION AND RETURNED TO NORMAL POSITION IMMEDIATELY AFTER CONSTRUCTION OPERATION HAS PASSED. TRAFFIC EXPECTED TO SHIFT ONTO SHOULDER TO BYPASS CONSTRUCTION OPERATIONS.

STAGE 6B, 7B

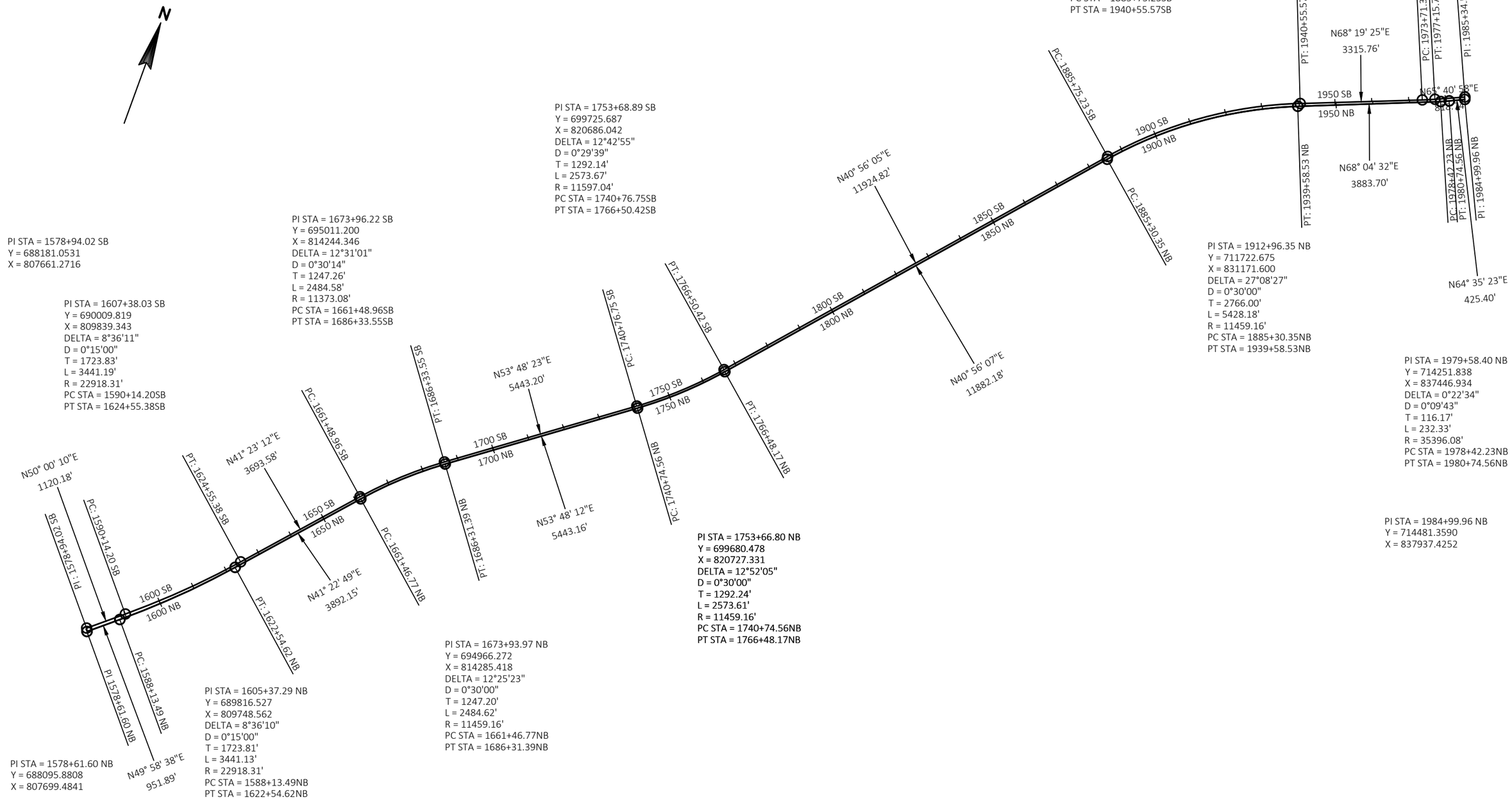
MAINLINE

6B: MILL AND RE-LAY SB OUTSIDE PAVED SHOULDER AND SIDE ROAD INTERSECTION TIE-INS; RECONSTRUCT CURB AND GUTTER AT SIDE ROAD INTERSECTIONS; PAVE LOWER LAYER FOR SIDE ROAD INTERSECTIONS, OUTSIDE PAVED SHOULDER, RIGHT-TURN LANES AND SB OUTSIDE THROUGH-LANE

7B: PAVE UPPER LAYER FOR SIDE ROAD INTERSECTIONS, SB OUTSIDE PAVED SHOULDER, RIGHT-TURN LANES, AND SB OUTSIDE THROUGH-LANE; APPLY PAVEMENT MARKINGS AND CONSTRUCT SB SHOULDER RUMBLE STRIPS

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CONSTRUCTION STAGING - TYPICALS	SHEET 86	E

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PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	ALIGNMENT DETAILS	SHEET 87	E

1111-03-82

Line	Item	Item Description	Unit	Total	Qty
0002	204.0105	Removing Pavement Butt Joints	SY	1,299.000	1,299.000
0004	204.0110	Removing Asphaltic Surface	SY	70.000	70.000
0006	204.0115	Removing Asphaltic Surface Butt Joints	SY	600.000	600.000
0008	204.0120	Removing Asphaltic Surface Milling	SY	37,623.000	37,623.000
0010	204.0150	Removing Curb & Gutter	LF	2,994.000	2,994.000
0012	204.0180	Removing Delineators and Markers	EACH	50.000	50.000
0014	204.0190	Removing Surface Drains	EACH	1.000	1.000
0016	204.9060.S	Removing (item description) 01. Removing Apron Endwall	EACH	6.000	6.000
0018	205.0100	Excavation Common	CY	10,909.000	10,909.000
0020	213.0100	Finishing Roadway (project) 01. 1111-03-82	EACH	1.000	1.000
0022	305.0110	Base Aggregate Dense 3/4-Inch	TON	7,048.000	7,048.000
0024	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	20,400.000	20,400.000
0026	305.0500	Shaping Shoulders	STA	745.000	745.000
0028	330.0100	Mill and Relay	SY	73,154.000	73,154.000
0030	390.0303	Base Patching Concrete	SY	21,500.000	21,500.000
0032	416.0610	Drilled Tie Bars	EACH	3,456.000	3,456.000
0034	416.0620	Drilled Dowel Bars	EACH	27,648.000	27,648.000
0036	455.0605	Tack Coat	GAL	34,166.000	34,166.000
0038	460.0105.S	HMA Percent Within Limits (PWL) Test Strip Volumetrics	EACH	2.000	2.000
0040	460.0110.S	HMA Percent Within Limits (PWL) Test Strip Density	EACH	2.000	2.000
0042	460.2000	Incentive Density HMA Pavement	DOL	2,380.000	2,380.000
0044	460.2005	Incentive Density PWL HMA Pavement	DOL	39,056.000	39,056.000
0046	460.2007	Incentive Density HMA Pavement Longitudinal Joints	DOL	29,770.000	29,770.000
0048	460.2010	Incentive Air Voids HMA Pavement	DOL	67,540.000	67,540.000
0050	460.7224	HMA Pavement 4 HT 58-28 S	TON	37,475.000	37,475.000
0052	460.7424	HMA Pavement 4 HT 58-28 H	TON	33,770.000	33,770.000
0054	465.0315	Asphaltic Flumes	SY	121.000	121.000
0056	465.0400	Asphaltic Shoulder Rumble Strips	LF	99,996.000	99,996.000
0058	495.1000.S	Cold patch	TON	15.000	15.000
0060	520.8000	Concrete Collars for Pipe	EACH	5.000	5.000
0062	520.8700	Cleaning Culvert Pipes	EACH	3.000	3.000
0064	521.1618	Apron Endwalls for Culvert Pipe Sloped Side Drains Steel 18-Inch 10 to 1	EACH	6.000	6.000
0066	522.0118	Culvert Pipe Reinforced Concrete Class III 18-Inch	LF	65.000	65.000
0068	601.0557	Concrete Curb & Gutter 6-Inch Sloped 36-Inch Type D	LF	3,187.000	3,187.000
0070	608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	LF	84.000	84.000
0072	611.0430	Reconstructing Inlets	EACH	5.000	5.000
0074	611.0642	Inlet Covers Type MS	EACH	4.000	4.000

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Line	Item	Item Description	Unit	Total	Qty
0076	611.3902	Inlets Median 2 Grate	EACH	2.000	2.000
0078	611.8115	Adjusting Inlet Covers	EACH	2.000	2.000
0080	612.0206	Pipe Underdrain Unperforated 6-Inch	LF	250.000	250.000
0082	618.0100	Maintenance And Repair of Haul Roads (project) 01. 1111-03-82	EACH	1.000	1.000
0084	619.1000	Mobilization	EACH	1.000	1.000
0086	624.0100	Water	MGAL	154.000	154.000
0088	625.0500	Salvaged Topsoil	SY	51,000.000	51,000.000
0090	628.1504	Silt Fence	LF	5,100.000	5,100.000
0092	628.1520	Silt Fence Maintenance	LF	5,100.000	5,100.000
0094	628.1905	Mobilizations Erosion Control	EACH	15.000	15.000
0096	628.1910	Mobilizations Emergency Erosion Control	EACH	4.000	4.000
0098	628.2002	Erosion Mat Class I Type A	SY	51,000.000	51,000.000
0100	628.7005	Inlet Protection Type A	EACH	41.000	41.000
0102	628.7504	Temporary Ditch Checks	LF	900.000	900.000
0104	628.7555	Culvert Pipe Checks	EACH	39.000	39.000
0106	629.0210	Fertilizer Type B	CWT	44.000	44.000
0108	630.0120	Seeding Mixture No. 20	LB	1,830.000	1,830.000
0110	630.0200	Seeding Temporary	LB	367.000	367.000
0112	630.0500	Seed Water	MGAL	1,020.000	1,020.000
0114	633.0100	Delineator Posts Steel	EACH	187.000	187.000
0116	633.0500	Delineator Reflectors	EACH	187.000	187.000
0118	634.0616	Posts Wood 4x6-Inch X 16-FT	EACH	20.000	20.000
0120	635.0200	Sign Supports Structural Steel HS	LB	5,095.000	5,095.000
0122	636.0100	Sign Supports Concrete Masonry	CY	9.000	9.000
0124	636.0500	Sign Supports Steel Reinforcement	LB	530.000	530.000
0126	637.1220	Signs Type I Reflective SH	SF	746.000	746.000
0128	638.2102	Moving Signs Type II	EACH	65.000	65.000
0130	638.2601	Removing Signs Type I	EACH	5.000	5.000
0132	638.3100	Removing Structural Steel Sign Supports	EACH	5.000	5.000
0134	638.4000	Moving Small Sign Supports	EACH	54.000	54.000
0136	642.5201	Field Office Type C	EACH	1.000	1.000
0138	643.0300	Traffic Control Drums	DAY	49,797.000	49,797.000
0140	643.0420	Traffic Control Barricades Type III	DAY	2,728.000	2,728.000
0142	643.0705	Traffic Control Warning Lights Type A	DAY	5,456.000	5,456.000
0144	643.0715	Traffic Control Warning Lights Type C	DAY	930.000	930.000
0146	643.0800	Traffic Control Arrow Boards	DAY	248.000	248.000
0148	643.0900	Traffic Control Signs	DAY	9,916.000	9,916.000
0150	643.1050	Traffic Control Signs PCMS	DAY	360.000	360.000
0152	643.5000	Traffic Control	EACH	1.000	1.000

1111-03-82

Line	Item	Item Description	Unit	Total	Qty
0154	646.1040	Marking Line Grooved Wet Ref Epoxy 4-Inch	LF	142,821.000	142,821.000
0156	646.1555	Marking Line Grooved Contrast Permanent Tape 4-Inch	LF	17,412.000	17,412.000
0158	646.3555	Marking Line Grooved Contrast Permanent Tape 8-Inch	LF	17,250.000	17,250.000
0160	646.5520	Marking Outfall Epoxy	EACH	367.000	367.000
0162	646.6120	Marking Stop Line Epoxy 18-Inch	LF	180.000	180.000
0164	646.9400	Marking Removal Plowable Raised Pavement Markers	EACH	744.000	744.000
0166	649.0120	Temporary Marking Line Epoxy 4-Inch	LF	12,000.000	12,000.000
0168	649.0220	Temporary Marking Line Epoxy 8-Inch	LF	30,000.000	30,000.000
0170	650.4000	Construction Staking Storm Sewer	EACH	2.000	2.000
0172	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	3,187.000	3,187.000
0174	650.6000	Construction Staking Pipe Culverts	EACH	3.000	3.000
0176	650.8000	Construction Staking Resurfacing Reference	LF	74,423.000	74,423.000
0178	650.9910	Construction Staking Supplemental Control (project) 01. 1111-03-82	LS	1.000	1.000
0180	650.9920	Construction Staking Slope Stakes	LF	74,423.000	74,423.000
0182	690.0150	Sawing Asphalt	LF	1,501.000	1,501.000
0184	690.0250	Sawing Concrete	LF	76,032.000	76,032.000
0186	740.0440	Incentive IRI Ride	DOL	56,400.000	56,400.000
0188	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	1,150.000	1,150.000
0190	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	1,000.000	1,000.000
0192	SPV.0060	Special 01. Salvage And Reinstall Apron Endwall For Underdrains	EACH	45.000	45.000
0194	SPV.0060	Special 02. Storm Sewer Tap	EACH	2.000	2.000
0196	SPV.0090	Special 01. Concrete Joint And Crack Cleaning And Repair	LF	7,050.000	7,050.000
0198	SPV.0090	Special 02. Removing HMA Pavement Notched Wedge Longitudinal Joint	LF	148,846.000	148,846.000

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204-REMOVALS

CATEGORY	STATION	TO	STATION	LOCATION	204.0105 REMOVING PAVEMENT BUTT JOINTS SY	204.0110 REMOVING ASPHALTIC SURFACE SY	204.0115 REMOVING ASPHALTIC SURFACE BUTT JOINTS SY	204.0120 REMOVING ASPHALTIC SURFACE MILLING SY	204.0150 REMOVING CURB AND GUTTER LF	204.0190 REMOVING SURFACE DRAINS EACH
0010			1601+95 SB	RT	-	3	-	-	-	-
0010	1602+00 NB	-	1604+00 NB	Maier Rd	-	-	-	180	228	-
0010			1603+20 SB	RT	-	3	-	-	-	-
0010	1626+00 NB	-	1628+00 NB	Bethel Rd	-	-	-	300	337	-
0010			1626+20 SB	RT	-	3	-	-	-	-
0010			1627+45 SB	RT	-	3	-	-	-	-
0010	1635+50 NB	-	1637+50 NB	Moriah Rd	-	-	-	400	351	-
0010			1636+26 SB	LT	-	3	-	-	-	-
0010	1677+00 NB	-	1679+00 NB	CTH S	-	-	-	305	343	-
0010			1677+35 SB	RT	-	4	-	-	-	-
0010			1678+64 SB	RT	-	3	-	-	-	-
0010	1776+00 NB	-	1778+00 NB	Salem Rd	-	-	-	659	529	-
0010			1776+20 SB	RT	-	3	-	-	-	-
0010			1777+55 SB	RT	-	3	-	-	-	-
					-	-	-	-	-	-
0010	1829+00 NB	-	1831+00 NB	Forest Rd	-	-	-	534	369	-
0010			1829+69 SB	RT	-	3	-	-	-	-
0010			1830+02 SB	LT	-	2	-	-	-	-
0010			1830+61 SB	LT	-	3	-	-	-	-
0010			1830+66 SB	RT	-	-	-	-	-	-
0010	1901+50 NB	-	1903+00 NB	Gunn Rd	-	-	-	300	356	-
0010			1901+77 SB	RT	-	4	-	-	-	-
0010			1902+54 NB	RT	-	2	-	-	-	-
0010			1903+02 SB	RT	-	-	-	-	-	1
0010			1931+97 SB	RT	-	8	-	-	-	-
0010	1932+00 NB	-	1934+00 NB	CTH DE	-	-	-	600	481	-
0010			1932+90 SB	LT	-	7	-	-	-	-
0010			1933+76 SB	RT	-	6	-	-	-	-
0010			1933+79 SB	LT	-	7	-	-	-	-
0010			1585+52 SB	Begin Project	433	-	200	-	-	-
0010			1955+50 NB	End Project	433	-	200	-	-	-
					-	-	-	-	-	-
0010			1959+75 SB	End Project	433	-	200	-	-	-
0010	1582+50 NB	-	1585+50 NB	Begin Project	-	-	-	1267	-	-
0010	1585+50 NB		1955+50 NB	NB Median Shoulder	-	-	-	16445	-	-
0010	1585+52 SB		1959+75 SB	SB Median Shoulder	-	-	-	16633	-	-
				TOTAL 0010	1299	70	600	37623	2994	1

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205-EARTHWORK

CATEGORY	STATION	TO	STATION	LOCATION	(1) 205.0100 EXCAVATION COMMON CY	(2) UNEXPANDED FILL CY	(3) EXPANDED FILL (FACTOR = 1.25) CY	(4) MASS ORDINATE BALANCE CY
0010	1585+50 NB	-	1959+47 NB	NB-SB	10909	7553	9441	1468
				TOTAL 0010	10909	7553	9441	1468

COLUMN (3) = COLUMN (2) X 1.25
COLUMN (4) = COLUMN (1) - COLUMN (3)

SHAPING SHOULDERS

CATEGORY	STATION	TO	STATION	LOCATION	305.0500 STA
0010	1585+50 NB	-	1955+50 NB	MEDIAN SHOULDER	370
0010	1585+52 SB	-	1959+75 SB	MEDIAN SHOULDER	375
				TOTAL 0010	745

390-CONCRETE ITEMS

CATEGORY	LOCATION	390.0303 BASE PATCHING CONCRETE SY	416.0610 DRILLED TIE BARS EACH	416.0620 DRILLED DOWEL BARS EACH	SPV.0090.01 SPECIAL(01. CONCRETE JOINT AND CRACK CLEANING AND REPAIR) EACH
0010	Mainline NB	10690	1718	13744	3500
	Mainline SB	10810	1738	13904	3550
	TOTAL 0010	21500	3456	27648	7050

ASPHALTIC SHOULDER RUMBLE STRIPS

CATEGORY	STATION	TO	STATION	LOCATION	465.0400 LF
0010	1585+50 NB	-	1955+50 NB	NB OUTSIDE	20800
0010	1585+50 NB	-	1955+50 NB	NB MEDIAN	23925
0010	1585+52 SB	-	1959+75 SB	SB OUTSIDE	31473
0010	1585+52 SB	-	1959+75 SB	SB MEDIAN	23798
				TOTAL 0010	99996

305-BASE MATERIAL

CATEGORY	STATION	TO	STATION	LOCATION	305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	330.0100 MILL AND RELAY SY
0010	1585+50 NB	-	1955+50 NB	NB	3505	10100	32889
0010	1585+52 SB	-	1959+75 SB	SB	3543	10300	33265
				MEDIAN OPENINGS	-	-	5200
				TURN LANES	-	-	1800
				TOTAL 0010	7048	20400	73154

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460-PWL ITEMS

CATEGORY	LOCATION	460.0105.S HMA PERCENT WITHIN LIMITS (PWL)TEST STRIP VOLUMETRICS EACH	460.0110.S HMA PERCENT WITHIN LIMITS (PWL) TEST STRIP DENSITY EACH
0010	Project	2	2
	TOTAL 0010	2	2

460-ASPHALT PAVEMENT

CATEGORY									455.0605 TACK COAT GAL	460.7224 HMA PAVEMENT 4 HT 58-28 S TON	460.7424 HMA PAVEMENT 4 HT 58-28 H TON	495.1000.S COLD PATCH TON
0010	1582+50	NB	-	1955+25	NB				15655	16860	16860	-
0010	1585+52	SB	-	1959+75	SB				16194	16910	16910	-
0010	UNDISTRIBUTED											15
0010	1585+50	NB	-	1955+50	NB				1152	1842	-	-
0010	1585+52	SB	-	1959+75	SB				1165	1863	-	-
									34166	37475	33770	15

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521-CULVERT PIPE ITEMS

CATEGORY	STATION	TO	STATION	LOCATION	204.9060.S.01 REMOVING (APRON ENDWALL) EACH	520.8000 CONCRETE COLLARS FOR PIPE EACH	520.8700 CLEANING CULVERT PIPES EACH	521.1618 APRON ENDWALLS FOR CULVERT PIPE SLOPED SIDE DRAINS STEEL 18-INCH 10 TO 1 EACH	522.0118 CULVERT PIPE REINFORCED CONCRETE CLASS III 18-INCH LF	611.0430 RECONSTRUCTING INLETS EACH	611.8115 ADJUSTING INLET COVERS EACH
0010			1662+36 NB	Median	-	-	-	-	-	1	-
0010			1688+59 NB	Median	-	-	-	-	-	1	-
0010			1700+60 NB	Median	-	-	-	-	-	1	-
0010			1788+40 NB	Median	-	-	-	-	-	-	1
0010			1828+35 NB	Median	-	-	-	-	-	1	-
0010			1846+36 NB	Median	-	-	-	-	-	1	-
0010			1871+33 NB	Median	-	-	-	-	-	-	1
0010			1746+00 NB	Median	-	-	1	-	-	-	-
0010	1745+68	-	1746+35 NB	Median	2	2	-	2	30	-	-
0010	1856+38	-	1857+09 NB	Median	2	2	-	2	20	-	-
0010			1856+75 NB	Median	-	-	1	-	-	-	-
0010	1914+48	-	1915+27 NB	Median	2	1	-	2	15	-	-
0010			1914+75 NB	Median	-	-	1	-	-	-	-
TOTAL 0010					6	5	3	6	65	5	2

611-INLET ITEMS

CATEGORY	STATION	LOCATION	611.0642 INLET COVERS TYPE MS EACH	611.3902 INLETS MEDIAN 2 GRATE EACH
0010	1689+00 NB	LT	2	1
0010	1701+00 NB	LT	2	1
TOTAL 0010			4	2

CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D

CATEGORY	STATION	TO	STATION	LOCATION	601.0557 LF
0010	1602+00 NB	-	1604+00 NB	Maier Rd	325
0010	1626+00 NB	-	1628+00 NB	Bethel Rd	333
0010	1635+50 NB	-	1637+50 NB	Moriah Rd	372
0010	1677+00 NB	-	1679+00 NB	CTH S	362
0010	1776+00 NB	-	1778+00 NB	Salem Rd	525
0010	1829+00 NB	-	1831+00 NB	Forest Rd	406
0010	1901+50 NB	-	1903+00 NB	Gunn Rd	373
0010	1931+50 NB	-	1934+00 NB	CTH DE	491
TOTAL 0010					3187

608-STORM SEWER ITEMS

CATEGORY	STATION	TO	STATION	LOCATION	608.0318 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 18-INCH LF	SPV.0060.02 SPECIAL(02. STORM SEWER TAP) EACH
0010	1688+60 NB	-	1689+00 NB	MEDIAN OPENING	42	-
0010	1688+60 NB			MEDIAN OPENING	-	1
0010	1700+60 NB	-	1701+00 NB	MEDIAN OPENING	42	-
0010	1700+60 NB			MEDIAN OPENING	-	1
TOTAL 0010					84	2

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628-EROSION CONTROL

CATEGORY	STATION	TO	STATION	LOCATION	625.0500 SALVAGED TOPSOIL SY	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF	628.2002 EROSION MAT CLASS I TYPE A SY	628.7504 TEMPORARY DITCH CHECKS LF	628.7555 CULVERT PIPE CHECKS EACH	629.0210 FERTILIZER TYPE B CWT	630.0120 SEEDING MIXTURE NO. 20 LB	630.0200 SEEDING TEMPORARY LB	630.0500 SEED WATER MGAL
0010	1585+50 NB	-	1959+47 NB	PROJECT	41000	4100	4100	41000	720	31	35	1470	295	820
0010				UNDISTRIBUTED	10000	1000	1000	10000	180	8	9	360	72	200
				TOTAL 0010	51000	5100	5100	51000	900	39	44	1830	367	1020

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633-DELINEATOR ITEMS

CATEGORY	LOCATION	204.0180 REMOVING DELINEATORS AND MARKERS EACH	633.0100 DELINEATOR POSTS STEEL EACH	633.0500 DELINEATOR REFLECTORS EACH
0010	NB USH 151 MAINLINE	25	93	93
0010	SB USH 151 MAINLINE	25	94	94
	TOTAL 0010	50	187	187

MARKING REMOVAL PLOWABLE RAISED PAVEMENT MARKERS

CATEGORY	STATION	TO	STATION	LOCATION	646.9400 EACH
0010	1585+50 NB	-	1955+50 NB	NB	370
0010	1585+50 SB	-	1959+75 SB	SB	374
				TOTAL 0010	744

ASPHALTIC FLUMES

CATEGORY	STATION	TO	LOCATION	465.0315 SY
0010	1601+95	SB	RT	7
0010	1603+21	SB	RT	8
0010	1626+27	SB	RT	6
0010	1627+45	SB	RT	6
0010	1636+23	SB	LT (MORIAH RD.)	6
0010	1677+31	SB	RT	6
0010	1678+70	SB	RT	6
0010	1776+19	SB	RT	6
0010	1777+55	SB	RT	6
0010	1829+64	SB	RT	5
0010	1831+04	SB	RT	5
0010	1830+60	SB	LT (FOREST RD.)	6
0010	1901+59	SB	RT	5
0010	1903+14	SB	RT	7
0010	1902+56	NB	RT (GUNN RD.)	6
0010	1932+36	SB	RT	6
0010	1932+75	NB	RT (JACKSON RD.)	6
0010	1933+00	SB	LT (CTH DE)	6
0010	1933+70	SB	RT	6
0010	1933+80	SB	LT (CTH DE)	6
			TOTAL 0010	121

WATER

CATEGORY	LOCATION	624.0100 MGAL
0010	PROJECT	154
	TOTAL 0010	154

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612-EXTENSIONS NEEDED

CATEGORY	STATION		LOCATION	612.0206 PIPE UNDERDRAIN UNPERFORATED 6-INCH LF	SPV.0060.01 SPECIAL(01. SALVAGE AND REINSTALL APRON ENDWALL FOR UNDERDRAINS) EACH
0010	1599+61	NB	LT	7	1
0010	1603+53	SB	RT	6	1
0010	1618+59	NB	LT	7	1
0010	1623+60	NB	RT	6	1
0010	1623+60	NB	LT	8	1
0010	1625+60	NB	LT	8	1
0010	1632+59	NB	LT	6	1
0010	1634+59	NB	LT	6	1
0010	1637+12	NB	LT	4	1
0010	1639+55	SB	RT	3	1
0010	1665+55	SB	RT	4	1
0010	1672+59	NB	RT	4	1
0010	1674+59	NB	RT	5	1
0010	1676+60	NB	RT	4	1
0010	1680+55	SB	RT	4	1
0010	1687+59	NB	LT	5	1
0010	1691+54	SB	RT	3	1
0010	1699+59	NB	LT	7	1
0010	1703+69	SB	RT	3	1
0010	1719+59	NB	LT	7	1
0010	1723+83	SB	RT	6	1
0010	1743+61	NB	LT	3	1
0010	1775+62	NB	LT	7	1
0010	1787+57	NB	LT	7	1
0010	1791+56	SB	RT	4	1
0010	1795+58	NB	LT	7	1
0010	1811+61	NB	LT	7	1
0010	1813+60	NB	LT	6	1
0010	1817+46	SB	RT	7	1
0010	1831+51	SB	RT	3	1
0010	1847+09	NB	LT	3	1
0010	1850+54	SB	RT	6	1
0010	1854+57	NB	LT	8	1
0010	1858+54	SB	RT	5	1
0010	1872+62	NB	LT	8	1
0010	1876+56	SB	RT	4	1
0010	1917+56	SB	RT	4	1
0010	1937+54	SB	RT	5	1
0010	1944+60	NB	LT	8	1
0010	1948+56	SB	RT	5	1
0010	UNDISTRIBUTED		LT + RT	30	5
			TOTAL 0010	250	45

INLET PROTECTION TYPE A

CATEGORY	STATION	LOCATION	628.7005 EACH
0010	1587+48	MEDIAN	1
0010	1592+60	MEDIAN	1
0010	1598+60	MEDIAN	1
0010	1603+39	MEDIAN	1
0010	1611+53	MEDIAN	1
0010	1616+89	MEDIAN	1
0010	1621+82	MEDIAN	1
0010	1627+63	MEDIAN	1
0010	1637+59	MEDIAN	1
0010	1642+49	MEDIAN	1
0010	1649+00	MEDIAN	1
0010	1660+04	MEDIAN	1
0010	1662+36	MEDIAN	1
0010	1679+50	MEDIAN	1
0010	1688+59	MEDIAN	1
0010	1694+59	MEDIAN	1
0010	1700+62	MEDIAN	1
0010	1706+92	MEDIAN	1
0010	1740+47	MEDIAN	1
0010	1750+38	MEDIAN	1
0010	1757+44	MEDIAN	1
0010	1762+42	MEDIAN	1
0010	1769+40	MEDIAN	1
0010	1781+38	MEDIAN	1
0010	1788+40	MEDIAN	1
0010	1795+94	MEDIAN	1
0010	1802+36	MEDIAN	1
0010	1810+71	MEDIAN	1
0010	1828+35	MEDIAN	1
0010	1837+58	MEDIAN	1
0010	1846+36	MEDIAN	1
0010	1866+30	MEDIAN	1
0010	1871+33	MEDIAN	1
0010	1875+31	MEDIAN	1
0010	1895+35	MEDIAN	1
0010	1907+60	MEDIAN	1
0010	1919+41	MEDIAN	1
0010	1922+64	MEDIAN	1
0010	1933+58	MEDIAN	1
0010	1946+37	MEDIAN	1
0010	1952+52	MEDIAN	1
		TOTAL 0010	41

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636-TYPE I SIGNS

CATEGORY	STATION		LOCATION	SIGN SIZE IN X IN	PLATE NUMBER	POST TYPE	POST LENGTHS***	635.0200 SIGN SUPPORTS STRUCTURAL STEEL HS LB	636.0100 SIGN SUPPORTS CONCRETE MASONRY CY	636.0500 SIGN SUPPORTS STEEL REINFORCEMENT LB	637.1220 SIGNS TYPE I REFLECTIVE SH SF	638.2601 REMOVING SIGNS TYPE I EACH	638.3100 REMOVING STRUCTURAL STEEL SIGN SUPPORTS EACH
0010	1587+15	SB	LT	192X60	E3-1	A	15'8",17'3"	547	1	68	80	-	-
0010	1587+25	SB	LT	-	-	-	-	-	-	-	-	1	1
0010	1597+25	SB	LT	-	-	-	-	-	-	-	-	1	1
0010	1605+15	SB	LT	144X108	E3-1	B	19'6",18'2"	896	2	98	108	-	-
0010	1605+25	SB	LT	-	-	-	-	-	-	-	-	1	1
0010	1609+00	NB	RT	204X84	D2-3	B	18',21'	917	2	98	119	-	-
0010	1613+50	SB	LT	132X54	E9-1	A	11'2",13'10"	452	1	68	50	-	-
0010	1613+60	SB	LT	-	-	-	-	-	-	-	-	1	1
0010	1623+60	NB	RT	-	-	-	-	-	-	-	-	1	1
0010	1631+08	SB	LT	108X30	E1-5P	-	-	-	-	-	23	-	-
0010	1631+08	SB	LT	192X186	E1-1A	C	26'3",28'	1395	2	100	248	-	-
0010	1953+00	SB	LT	204X84	D2-3	B	18',19'2"	888	2	98	119	-	-
			TOTAL 0010					5095	9	530	746	5	5

646-PAVEMENT MARKING

CATEGORY	STATION		TO	STATION		LOCATION	646.1040 MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE) LF	646.1040 MARKING LINE GROOVED WET REF EPOXY 4-INCH (YELLOW) LF	646.1555 MARKING LINE GROOVED CONTRAST PERMANENT TAPE 4-INCH (WHITE) LF	646.3555 MAKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH LF	646.6120 MARKING STOP LINE EPOXY 18-INCH LF
0010	1585+50	NB	-	1955+50	NB	NB	36561	34887	8722	8650	90
0010	1585+52	SB	-	1959+75	SB	SB	36615	34758	8690	8600	90
						TOTAL 0010	142821		17412	17250	180

649-TEMP MARKING

CATEGORY	LOCATION	649.0120 TEMPORARY MARKING LINE EPOXY 4-INCH LF	649.0220 TEMPORARY MARKING LINE EPOXY 8-INCH LF
0010	PROJECT	12000	30000
	TOTAL 0010	12000	30000

637-TYPE II SIGNS

CATEGORY	STATION	LOCATION	PLAN NUMBER	SIGN SIZE IN X IN	PLATE NUMBER	634.0616 POSTS WOOD 4X6-INCH X 16-FT EACH	638.2102 MOVING SIGNS TYPE II EACH	638.4000 MOVING SMALL SIGN SUPPORTS EACH
0010	PROJECT					20	-	-
0010	1602+96 SB	RT	02-01	24"X30"	R4-7	-	1	1
0010	1603+43 SB	RT	02-02	30"X30"	R5-1	-	1	1
0010	1605+00 SB	RT	02-03	36"X24"	R5-1A	-	1	1
0010	1602+57 NB	RT	02-04	24"X30"	R6-2L	-	1	1
0010	1620+33 NB	RT	05-01	24"X30"	R6-2L	-	1	1
0010	1624+94 NB	LT	06-01	36"X24"	R5-1A	-	1	1
0010	1626+18 NB	LT	06-02	30"X30"	R5-1	-	1	1
0010	1626+58 SB	RT	06-03	24"X30"	R4-7	-	1	1
0010	1635+46 SB	RT	08-01	VARIES	D1-1	-	1	2
0010	1636+73 SB	RT	08-02	24"X30"	R4-7	-	1	1
0010	1637+45 SB	RT	08-03	30"X30"	R5-1	-	1	1
0010	1638+63 SB	RT	08-04	36"X24"	R5-1A	-	1	1
0010	1636+53 NB	RT	08-05	24"X30"	R6-2L	-	1	1
0010	1677+33 NB	LT	13-01	30"X30"	R5-1	-	1	1
0010	1677+67 NB	RT	13-02	24"X30"	R4-7	-	1	1
0010	1677+74 SB	LT	13-03	36"X12"	R6-1L	-	1	1
0010	1678+50 SB	RT	13-04	24"X24"	M1-5A	-	1	1
0010	1678+50 SB	RT	13-05	21"X21"	MB6-1	-	1	
0010	1680+99 SB	RT	13-06	VARIES	D1-1	-	1	2
0010	1675+32 NB	LT	13-07	36"X24"	R5-1A	-	1	1
0010	1689+59 SB	RT	15-01	24"X24"	M1-5A	-	1	1
0010	1689+59 SB	RT	15-02	21"X15"	M2-1	-	1	
0010	1773+82 SB	RT	22-01	36"X24"	R5-1A	-	1	1
0010	1776+12 NB	LT	23-01	30"X30"	R5-1	-	1	1
0010	1776+67 NB	LT	23-02	24"X30"	R4-7	-	1	1
0010	1777+16 SB	RT	23-03	24"X30"	R4-7	-	1	1
0010	1776+64 SB	LT	23-04	30"X24"	R6-3	-	1	
0010	1776+64 SB	LT	23-05	30"X30"	R1-1	-	1	1
0010	1776+64 SB	LT	23-06	36"X12"	R6-1L	-	1	
0010	1777+55 SB	RT	23-07	30"X30"	R5-1	-	1	1
0010	1777+11 NB	RT	23-08	36"X12"	R6-1R	-	1	
0010	1777+11 NB	RT	23-09	30"X30"	R1-1	-	1	1
0010	1777+11 NB	RT	23-10	30"X24"	R6-3	-	1	
0010	1779+58 SB	RT	23-11	36"X24"	R5-1A	-	1	1
0010	1811+67 NB	LT	28-01	36"X24"	R5-1A	-	1	1
0010	1813+97 NB	LT	29-01	30"X30"	R5-1	-	1	1
0010	1829+98 SB	LT	31-01	36"X12"	R6-1L	-	1	
0010	1829+98 SB	LT	31-02	30"X30"	R1-1	-	1	1
0010	1829+98 SB	LT	31-03	30"X24"	R6-3	-	1	
0010	1830+49 SB	RT	31-04	24"X30"	R4-7	-	1	1
0010	1830+97 SB	RT	31-05	30"X30"	R5-1	-	1	1
0010	1833+44 SB	RT	31-06	36"X24"	R5-1A	-	1	1
0010	1852+84 NB	LT	34-01	24"X30"	R6-2R	-	1	1
0010	1856+64 SB	LT	35-01	24"30"	R6-2L	-	1	1
0010	1899+86 NB	LT	40-01	36"X24"	R5-1A	-	1	1
0010	1901+56 NB	LT	40-02	30"X30"	R5-1	-	1	1
0010	1902+00 NB	LT	40-03	24"X30"	R4-7	-	1	1
0010	1908+34 NB	LT	41-01	24"X30"	R6-2R	-	1	1
0010	1921+74 NB	LT	44-01	21"X15"	M2-1	-	1	1
0010	1921+74 NB	LT	44-02	24"X24"	M1-5A	-	1	
0010	1927+40 SB	LT	45-01	24"X12"	M3-3	-	1	1
0010	1927+40 SB	LT	45-02	24"X24"	M1-4	-	1	
0010	1929+65 NB	LT	45-03	36"X24"	R5-1A	-	1	1
0010	1931+55 NB	LT	46-01	21"X21"	M6-1	-	1	1
0010	1931+55 NB	LT	46-02	24"X24"	M1-5A	-	1	
0010	1931+63 NB	LT	46-03	30"X30"	R5-1	-	1	1
0010	1932+97 SB	LT	46-04	30"X30"	R1-1	-	1	
0010	1932+97 SB	LT	46-05	36"X12"	R6-1L	-	1	1
0010	1932+97 SB	LT	46-06	30"X24"	R6-3	-	1	
0010	1932+46 NB	LT	46-07	24"X30"	R4-7	-	1	1
0010	1933+23 SB	RT	46-08	24"X30"	R4-7	-	1	1
0010	1934+03 SB	RT	46-09	30"X30"	R5-1	-	1	1
0010	1936+05 SB	RT	46-10	36"X24"	R5-1A	-	1	1
0010	1946+84 SB	RT	49-01	36"X48"	R3-4B	-	1	1
0010	1947+34 NB	LT	49-02	36"X48"	R3-4B	-	1	1
TOTAL 0010						20	65	54

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643-TRAFFIC CONTROL

CATEGORY	STAGE	DURATION DAYS	643.0300 DRUMS EACH	643.0300 DRUMS DAY	643.0420 BARRICADES TYPE III EACH	643.0420 BARRICADES TYPE III DAY	643.0705 WARNING LIGHTS TYPE A EACH	643.0705 WARNING LIGHTS TYPE A DAY	643.0715 WARNING LIGHTS TYPE C EACH	643.0715 WARNING LIGHTS TYPE C DAY	643.0800 ARROW BOARDS EACH	643.0800 ARROW BOARDS DAY	643.0900 SIGNS EACH	643.0900 SIGNS DAY	643.1050 SIGNS PCMS EACH	643.1050 SIGNS PCMS DAY	REMARKS
0010	1A	16	462	7392	22	352	44	704	7	56	2	32	58	896	9	144	NB MEDIAN LANE CLOSURE
0010	1B	15	367	5505	22	330	44	660	25	375	2	30	96	1440	2	30	NB OUTSIDE LANE CLOSURE
0010	2A	9	462	4158	22	198	44	396	7	35	2	18	68	596	2	18	NB MEDIAN LANE CLOSURE
0010	2B	8	367	2936	22	176	44	352	25	200	2	16	106	848	2	16	NB OUTSIDE LANE CLOSURE
0010	3A	4	462	1848	22	88	44	176	7	14	2	8	68	264	2	8	NB MEDIAN LANE CLOSURE
0010	3B	10	367	3670	22	220	44	440	25	250	2	20	106	1000	2	20	NB OUTSIDE LANE CLOSURE
0010	4A	16	462	7392	22	352	44	704	0	0	2	32	54	864	2	32	SB MEDIAN LANE CLOSURE
0010	4B	15	330	4950	22	330	44	660	0	0	2	30	92	1380	2	30	SB OUTSIDE LANE CLOSURE
0010	5A	10	462	4620	22	220	44	440	0	0	2	20	64	640	2	20	SB MEDIAN LANE CLOSURE
0010	5B	10	330	3300	22	220	44	440	0	0	2	20	102	1020	2	20	SB OUTSIDE LANE CLOSURE
0010	6A	3	462	1386	22	66	44	132	0	0	2	6	64	192	2	6	SB MEDIAN LANE CLOSURE
0010	6B	8	330	2640	22	176	44	352	0	0	2	16	102	776	2	16	SB OUTSIDE LANE CLOSURE
		TOTAL 0010		49797		2728		5456		930		248		9916		360	

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690-SAWING

CATEGORY	LOCATION	690.0150 SAWING ASPHALT LF	690.0250 SAWING CONCRETE LF	REMARKS
0010	NB MAINLINE	-	37796	BASE PATCHING
0010	SB MAINLINE	-	38236	BASE PATCHING
0010	BETHEL INTERSECTION	169	-	C & G REMOVAL
0010	MORIAH RD INTERSECTION	182	-	C & G REMOVAL
0010	CTH S INTERSECTION	175	-	C & G REMOVAL
0010	SALEM RD INTERSECTION	341	-	C & G REMOVAL
0010	FOREST RD INTERSECTION	201	-	C & G REMOVAL
001	GUNN RD INTERSECTION	170	-	C & G REMOVAL
0010	CTH DE INTERSECTION	263	-	C & G REMOVAL
	TOTAL 0010	1501	76032	

SPECIAL(02. REMOVING HMA PAVEMENT NOTCHED WEDGE LONGITUDINAL JOINT)

CATEGORY	STATION	TO	STATION	LOCATION	SPV.0090.02 LF
0010	1585+50 NB	-	1955+50 NB	NB	74000
0010	1585+52 SB	-	1959+75 SB	SB	74846
				TOTAL 0010	148846

MARKING OUTFALL EPOXY

CATEGORY	STATION	LOCATION	646.5520 EACH
0010	1662+55 SB	RT	1
0010	1665+55 SB	RT	1
0010	1668+55 SB	RT	1
0010	1670+55 SB	RT	1
0010	1670+56 SB	RT	1
0010	1672+59 SB	RT	1
0010	1676+55 SB	RT	1
0010	1680+55 SB	RT	1
0010	1684+05 SB	RT	1
0010	1687+69 SB	LT + RT	2
0010	1691+54 SB	LT + RT	2
0010	1695+55 SB	LT + RT	2
0010	1699+69 SB	LT + RT	2
0010	1703+69 SB	LT + RT	2
0010	1707+70 SB	LT + RT	2
0010	1711+70 SB	LT + RT	2
0010	1715+70 SB	LT + RT	2
0010	1719+70 SB	LT + RT	2
0010	1723+83 SB	LT + RT	2
0010	1731+75 SB	LT + RT	2
0010	1735+70 SB	LT + RT	2
0010	1739+53 SB	LT + RT	2
0010	1743+70 SB	LT	1
0010	1747+70 SB	LT	1
0010	1751+70 SB	LT	1
0010	1755+70 SB	LT	1
0010	1759+68 SB	LT	1
0010	1761+66 SB	LT	1
0010	1763+68 SB	LT	1
0010	1767+90 SB	LT + RT	2
0010	1771+53 SB	LT + RT	2
0010	1775+55 SB	LT + RT	2
0010	1783+51 SB	LT + RT	2
0010	1787+55 SB	LT + RT	2
0010	1791+56 SB	LT + RT	2
0010	1795+55 SB	LT + RT	2
0010	1799+54 SB	LT + RT	2
0010	1803+62 SB	LT + RT	2
0010	1806+52 SB	LT + RT	2
0010	1809+55 SB	LT + RT	2
0010	1811+55 SB	LT + RT	2
0010	1811+56 SB	LT + RT	2
0010	1813+55 SB	LT + RT	2
0010	1817+46 SB	LT + RT	2
0010	1821+56 SB	LT + RT	2
0010	1824+55 SB	LT + RT	2
0010	1831+51 SB	LT + RT	2
0010	1835+55 SB	LT + RT	2
0010	1839+53 SB	LT + RT	2
0010	1843+55 SB	LT + RT	2
0010	1847+05 SB	LT + RT	2
0010	1850+54 SB	LT + RT	2
0010	1854+54 SB	LT + RT	2
0010	1858+54 SB	LT + RT	2
0010	1861+54 SB	LT + RT	2
0010	1861+55 SB	LT + RT	2
0010	1864+55 SB	LT + RT	2
0010	1868+55 SB	LT + RT	2
0010	1872+55 SB	LT + RT	2
0010	1876+56 SB	LT + RT	2
0010	1880+56 SB	LT + RT	2
0010	1884+55 SB	RT	1
0010	1890+55 SB	RT	1
0010	1894+55 SB	RT	1
0010	1898+56 SB	RT	1
0010	1901+56 SB	RT	1
0010	1905+55 SB	RT	1
0010	1907+55 SB	RT	2
0010	1909+55 SB	RT	1
0010	1913+55 SB	RT	1
0010	1917+56 SB	RT	1
0010	1921+55 SB	RT	1
0010	1925+55 SB	RT	1
0010	1929+55 SB	RT	1
0010	1933+55 SB	RT	1
0010	1937+54 SB	RT	1
0010	1945+54 SB	LT + RT	2
0010	1948+56 SB	LT + RT	2
0010	1951+55 SB	LT + RT	2
0010	1953+55 SB	LT + RT	2
0010	1956+55 SB	LT + RT	2
TOTAL 0010			367

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650-CONSTRUCTION STAKING

CATEGORY	STATION		TO	STATION		LOCATION	650.4000 CONSTRUCTION STAKING STORM SEWER LF	650.5500 CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER LF	650.6000 CONSTRUCTION STAKING PIPE CULVERTS EACH	650.8000 CONSTRUCTION STAKING RESURFACING REFERNCE LF	650.9910 CONSTRUCTION STAKING SUPPLEMENTAL CONTROL (PROJECT) LS	650.9920 CONSTRUCTION STAKING SLOPE STAKES LF
0010	1585+50	NB	-	1955+50	NB	NB	-	-	-	37000	-	37000
0010	1585+52	SB	-	1959+75	SB	SB	-	-	-	37423	-	37423
0010				1746+00	NB	MEDIAN	-	-	1	-	-	-
0010				1856+75	NB	MEDIAN	-	-	1	-	-	-
0010				1914+75	NB	MEDIAN	-	-	1	-	-	-
0010						PROJECT	-	-	-	-	1	-
0010						MAIER RD	-	325	-	-	-	-
0010						BETHEL RD	-	333	-	-	-	-
0010						MORIAH RD	-	372	-	-	-	-
0010						CTH S	-	362	-	-	-	-
0010						SALEM RD	-	525	-	-	-	-
0010						FOREST RD	-	406	-	-	-	-
0010						GUNN RD	-	373	-	-	-	-
0010						CTH DE	-	491	-	-	-	-
0010	1688+60	NB	-	1689+00	NB	NB	1	-	-	-	-	-
0010	1700+60	NB	-	1701+00	NB	NB	1	-	-	-	-	-
						TOTAL 0010	2	3187	3	74423	1	74423

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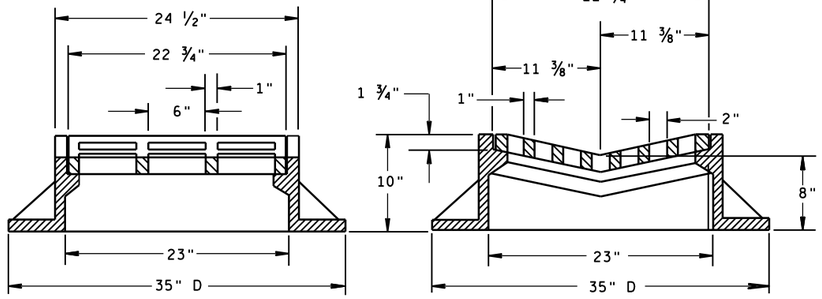
PWL MIXTURE USE TABLE

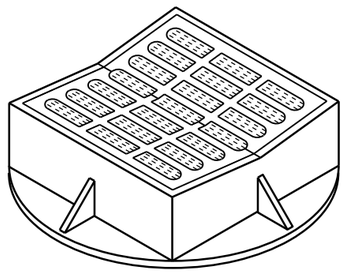
Location	Station	Mixture Use	Underlying Surface	Bid Item	Tons	Thickness	Quality Management Program to be used for	
							Mixture Acceptance	Density Acceptance
Mainline 4 foot shoulder	Sta. 1585+50 NB - 1955+50 NB	One layer	Milled existing HMA surface	HMA Pavement 4 HT 58-28 S	1842	2"	QMP as per SS 460	Incentive Density HMA Pavement 460.2000
Mainline 4 foot shoulder	Sta. 1585+52 SB - 1959+75 SB	Traffic control	Milled existing HMA surface	HMA Pavement 4 HT 58-28 S	1863	2"	QMP as per SS 460	Incentive Density HMA Pavement 460.2000
Driving Lanes, 2 - 12 foot lanes	Sta. 1582+50 NB - 1955+50 NB	Lower Layer	Concrete	HMA Pavement 4 HT 58-28 S	9748	1.75"	PWL Incentive Air Voids HMA Pavement 460.2010	Incentive Density PWL HMA Pavement 460.2005
Mainline 4 foot shoulder/left turn lanes	Sta. 1582+50 NB - 1955+50 NB	Lower Layer	Relayed millings & base aggregate dense	HMA Pavement 4 HT 58-28 S	2886	1.75"	PWL Incentive Air Voids HMA Pavement 460.2010	Acceptance testing by the department; Not eligible for incentive
Mainline 10 foot shoulder/right turn lanes	Sta. 1582+50 NB - 1955+50 NB	Lower Layer	Concrete, relayed millings & base aggregate dense	HMA Pavement 4 HT 58-28 S	4226	1.75"	PWL Incentive Air Voids HMA Pavement 460.2010	Acceptance testing by the department; Not eligible for incentive
Driving Lanes, 2 - 12 foot lanes	Sta. 1582+50 NB - 1955+50 NB	Upper layer	HMA Pavement 4 HT 58-28 S	HMA Pavement 4 HT 58-28 H	9748	1.75"	PWL Incentive Air Voids HMA Pavement 460.2010	Incentive Density PWL HMA Pavement 460.2005
Mainline 4 foot shoulder/left turn lanes	Sta. 1582+50 NB - 1955+50 NB	Upper layer	HMA Pavement 4 HT 58-28 S	HMA Pavement 4 HT 58-28 H	2886	1.75"	PWL Incentive Air Voids HMA Pavement 460.2010	Acceptance testing by the department; Not eligible for incentive
Mainline 10 foot shoulder/right turn lanes	Sta. 1582+50 NB - 1955+50 NB	Upper layer	HMA Pavement 4 HT 58-28 S	HMA Pavement 4 HT 58-28 H	4226	1.75"	PWL Incentive Air Voids HMA Pavement 460.2010	Acceptance testing by the department; Not eligible for incentive
Driving Lanes, 2 - 12 foot lanes	Sta. 1585+52 SB - 1959+75 SB	Lower Layer	Concrete	HMA Pavement 4 HT 58-28 S	9780	1.75"	PWL Incentive Air Voids HMA Pavement 460.2010	Incentive Density PWL HMA Pavement 460.2005
Mainline 4 foot shoulder/left turn lanes	Sta. 1585+52 SB - 1959+75 SB	Lower Layer	Relayed millings & base aggregate dense	HMA Pavement 4 HT 58-28 S	2891	1.75"	PWL Incentive Air Voids HMA Pavement 460.2010	Acceptance testing by the department; Not eligible for incentive
Mainline 10 foot shoulder/right turn lanes	Sta. 1585+52 SB - 1959+75 SB	Lower Layer	Concrete, relayed millings & base aggregate dense	HMA Pavement 4 HT 58-28 S	4239	1.75"	PWL Incentive Air Voids HMA Pavement 460.2010	Acceptance testing by the department; Not eligible for incentive
Driving Lanes, 2 - 12 foot lanes	Sta. 1585+52 SB - 1959+75 SB	Upper layer	HMA Pavement 4 HT 58-28 S	HMA Pavement 4 HT 58-28 H	9780	1.75"	PWL Incentive Air Voids HMA Pavement 460.2010	Incentive Density PWL HMA Pavement 460.2005
Mainline 4 foot shoulder/left turn lanes	Sta. 1585+52 SB - 1959+75 SB	Upper layer	HMA Pavement 4 HT 58-28 S	HMA Pavement 4 HT 58-28 H	2891	1.75"	PWL Incentive Air Voids HMA Pavement 460.2010	Acceptance testing by the department; Not eligible for incentive
Mainline 10 foot shoulder/right turn lanes	Sta. 1585+52 SB - 1959+75 SB	Upper layer	HMA Pavement 4 HT 58-28 S	HMA Pavement 4 HT 58-28 H	4239	1.75"	PWL Incentive Air Voids HMA Pavement 460.2010	Acceptance testing by the department; Not eligible for incentive

Standard Detail Drawing List

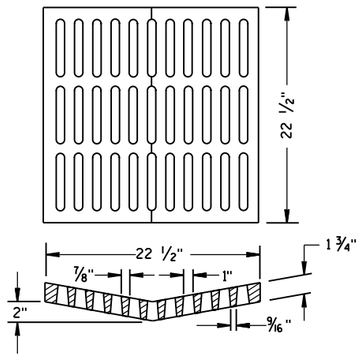
08A05-19B	INLET COVERS TYPE B, B-A, C, MS, MS-A, & WM
08C08-02	INLETS MEDIAN 1 AND 2 GRATE
08C09-02	INLETS MEDIAN 3 AND 4 GRATE
08D01-20A	CONCRETE CURB & GUTTER
08D04-05	CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES
08D15-05A	EDGEDRAIN OUTLET AND OUTFALL MARKERS
08D15-05B	EDGEDRAIN AND BASE AGGREGATE OPEN GRADED
08D15-05C	EDGEDRAIN AND BASE AGGREGATE OPEN GRADED
08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08E15-01	CULVERT PIPE CHECK
08F04-07	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
08F06-04	REINFORCED CONCRETE APRON ENDWALL FOR PIPE UNDERDRAIN
08F07-05	STEEL APRON ENDWALLS FOR CULVERT PIPE AND PIPE ARCH SLOPED SIDE DRAINS
09A01-13A	AT-GRADE SIDE ROAD INTERSECTION, TYPES "B1", "B2", "C" AND D AND TEE INTERSECTION BYPASS LANE
09A01-13B	AT-GRADE SIDE ROAD INTERSECTION, TYPE "A1" & "A2"
13A05-05A	SHOULDER RUMBLE STRIP, MILLING
13A05-05B	SHOULDER RUMBLE STRIP, MILLING
13C14-07A	BASE PATCHING CONCRETE
13C14-07B	BASE PATCHING CONCRETE
13C14-07C	BASE PATCHING CONCRETE
15A04-05A	FLEXIBLE DELINEATOR POST
15A04-05B	DELINEATOR BRACKET WITH REFLECTIVE SHEETING
15A04-05C	DELINEATOR POST WITH REFLECTIVE SHEETING
15C02-07A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-07B	BARRICADES AND SIGNS FOR VARIOUS CLOSURES
15C08-19A	LONGITUDINAL MARKING (MAINLINE)
15C08-19B	PAVEMENT MARKING (TURN LANES)
15C08-19C	PAVEMENT MARKING (TURN LANES)
15C11-07B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C19-05C	MOVING PAVEMENT MARKING OPERATION MULTI-LANE DIVIDED ROADWAY
15C33-03	STOP LINE AND CROSSWALK PAVEMENT MARKING
15C35-03A	PAVEMENT MARKING (INTERSECTIONS)
15D12-07A	TRAFFIC CONTROL, LANE CLOSURE
15D12-07B	TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION
15D15-05C	TRAFFIC CONTROL, TAPERED ENTRANCE RAMP WITHIN LANE CLOSURE
15D15-05D	TRAFFIC CONTROL, TAPERED ENTRANCE RAMP WITHIN LANE CLOSURE
15D15-05E	TRAFFIC CONTROL, PARALLEL EXIT RAMP WITHIN LANE CLOSURE
15D21-06	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D27-03	TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH
15D38-02A	TEMPORARY TRAFFIC CONTROL SIGN MOUNTING
15D38-02B	ATTACHMENT OF SIGNS TO POSTS
15D39-02	TRAFFIC CONTROL, DROP-OFF SIGNING

6



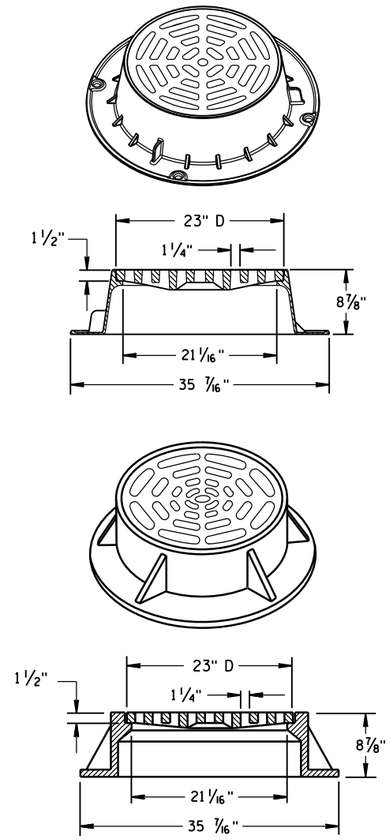


TYPE "B"



ALTERNATIVE GRATE FOR TYPE "B" COVER

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS POSSIBLE.
NOTED AS TYPE B-A ON THE DRAINAGE TABLE



TYPE "C"

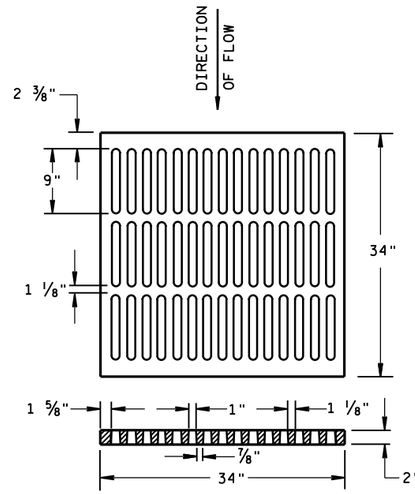
NOTE: EITHER CASTING IS ACCEPTABLE

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.

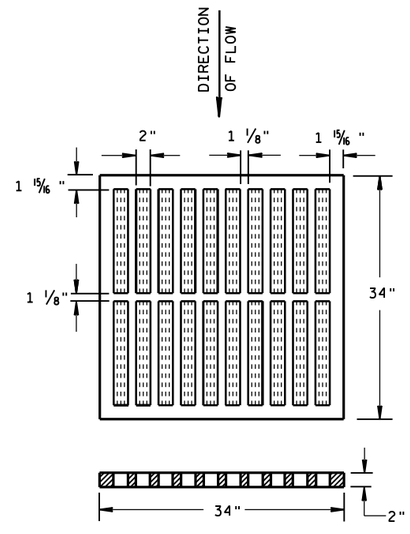
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.



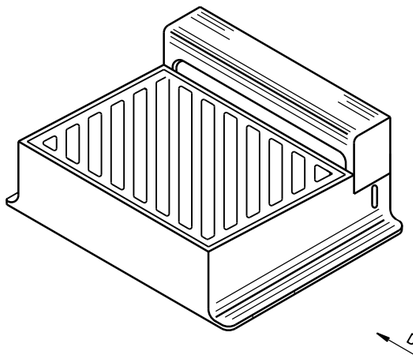
ALTERNATIVE TYPE "MS"

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS PERMITTED
NOTED AS TYPE MS-A ON THE DRAINAGE TABLE

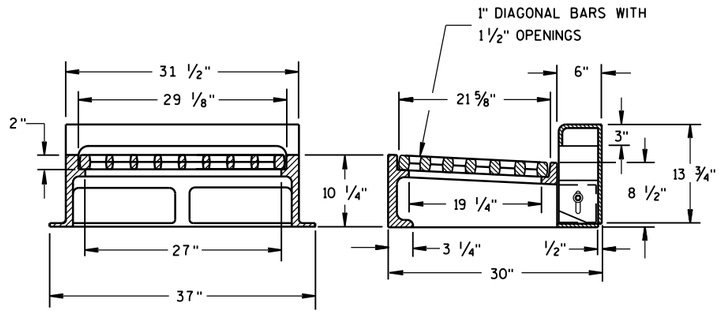


TYPE "MS"

USE ON FREEWAYS AND EXPRESSWAYS
NOTED AS TYPE MS ON DRAINAGE TABLE



DIAGONAL SLOTS, SHALL BE ORIENTED TO THE DIRECTION OF FLOW AS ILLUSTRATED. GRATES ARE MANUFACTURED TO BE REVERSIBLE.



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

TYPE "WM"

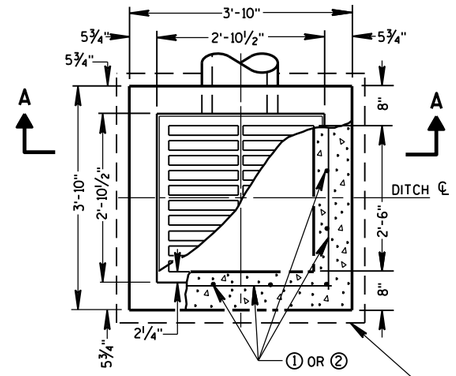
INLET COVERS TYPE B, B-A, C, MS, MS-A, & WM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

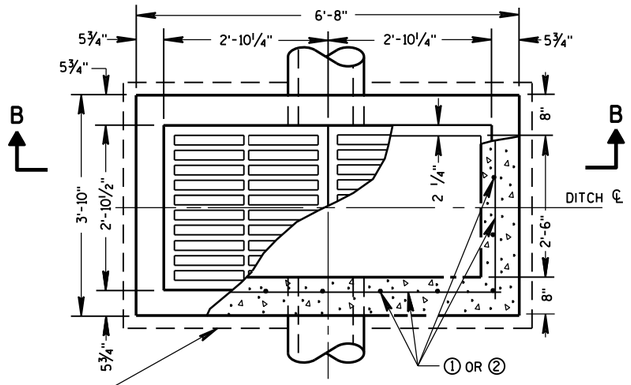
APPROVED
11/27/2013
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

6

S.D.D. 8 A 5-19b

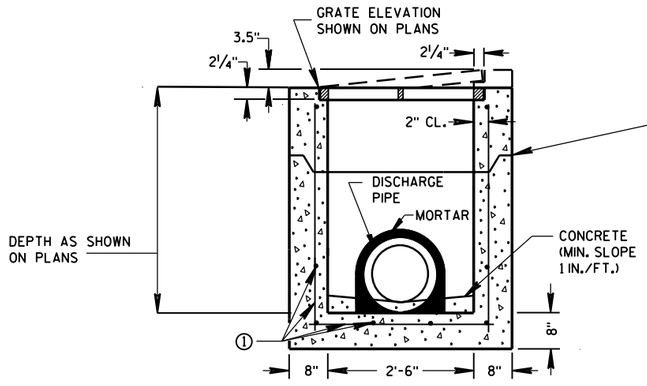


PLAN VIEW

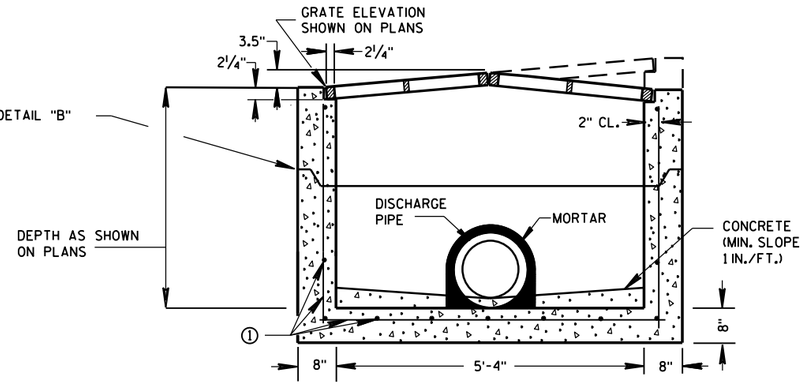


PLAN VIEW

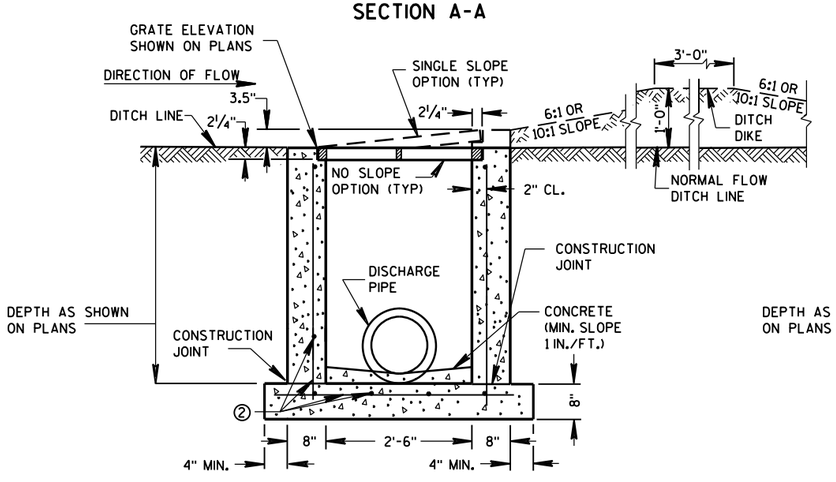
4" OVERHANGING BASE ON REINFORCED CAST-IN-PLACE CONCRETE INLETS



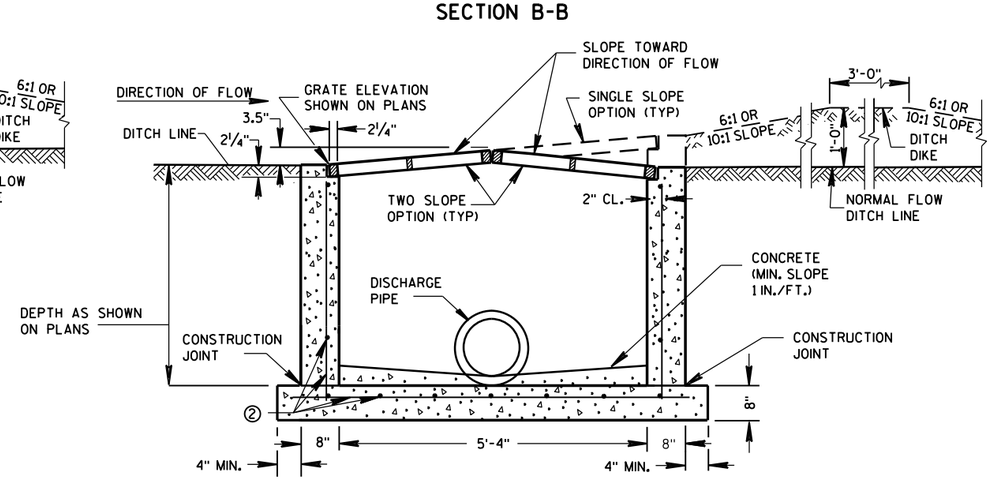
PRECAST REINFORCED CONCRETE SECTION A-A



PRECAST REINFORCED CONCRETE SECTION B-B



REINFORCED CAST-IN-PLACE CONCRETE SECTION A-A



REINFORCED CAST-IN-PLACE CONCRETE SECTION B-B

INLETS MEDIAN 1 GRATE

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, 1G-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.

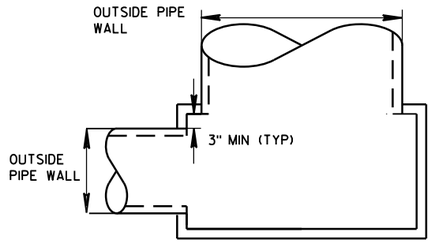
MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3" CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

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.

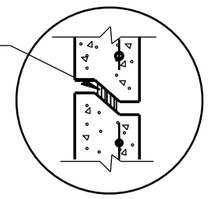
PIPE MATRIX

	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)



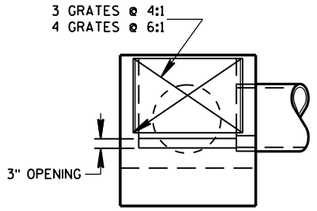
DETAIL "B"

INLETS MEDIAN 1 AND 2 GRATE

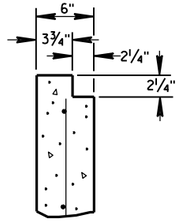
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept., 2016 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS UNIT SUPERVI ENT
FHWA

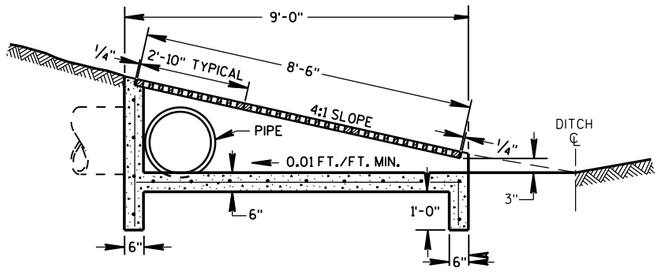
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S.D.D. 8 C 8-2



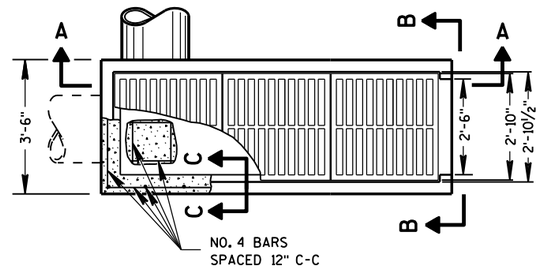
SECTION B-B



SECTION C-C

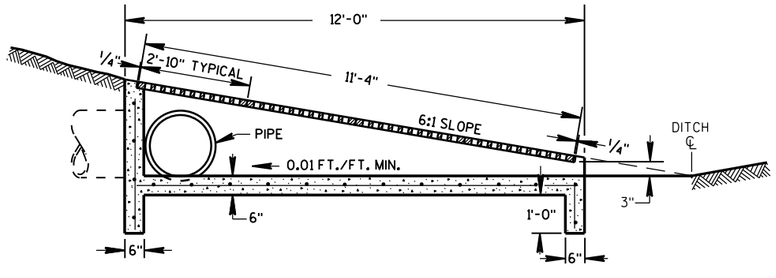


SECTION A-A

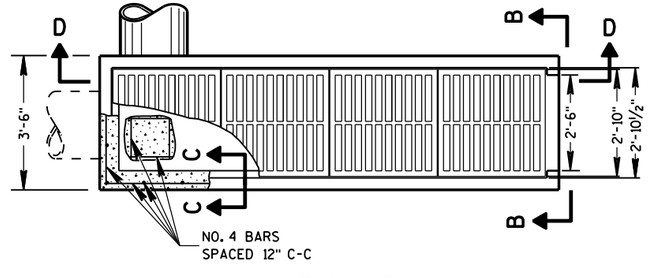


PLAN VIEW

INLETS MEDIAN 3 GRATE



SECTION D-D



PLAN VIEW

INLETS MEDIAN 4 GRATE

GENERAL NOTES

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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 ASTM C 913.

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.

6

S.D.D. 8 C 9-2

INLETS MEDIAN 3 AND 4 GRATE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

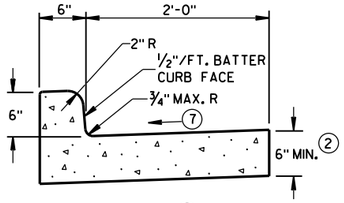
APPROVED
Sept., 2016
DATE
FHWA

/S/ Rodney Taylor
ROADWAY STANDARDS
UNIT SUPERVISOR

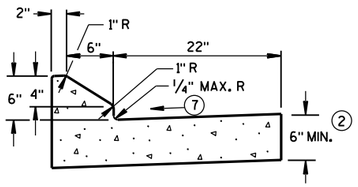
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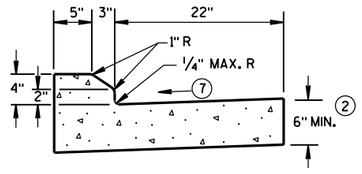
S.D.D. 8 C 9-2



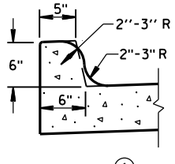
TYPES A (1) & D



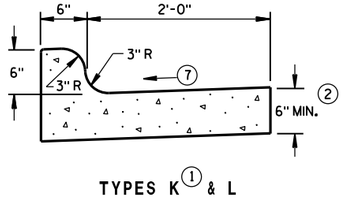
6" SLOPED CURB TYPES G (1) & J



4" SLOPED CURB TYPES G (1) & J

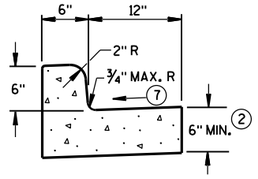


TYPES K (1) & L
(OPTIONAL CURB SHAPE)



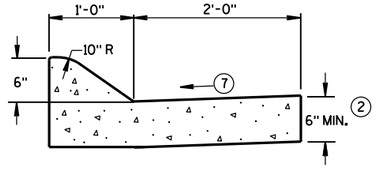
TYPES K (1) & L

CONCRETE CURB & GUTTER 30"

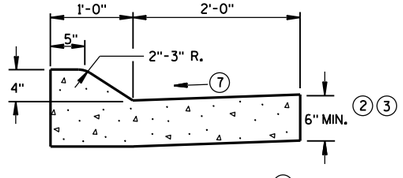


TYPES A (1) & D

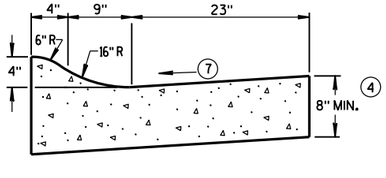
CONCRETE CURB & GUTTER 18"



6" SLOPED CURB TYPES A (1) & D

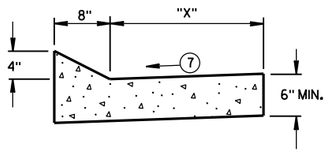


4" SLOPED CURB TYPES A (1) & D



4" SLOPED CURB TYPES R (1) & T (5)

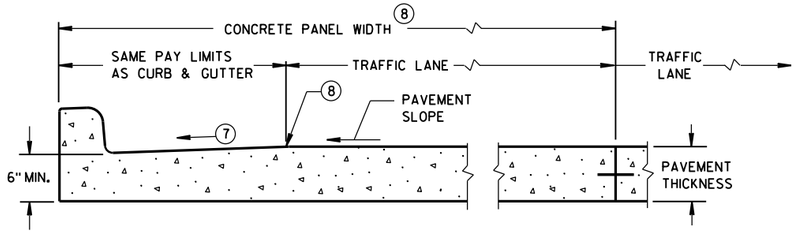
CONCRETE CURB & GUTTER 36"



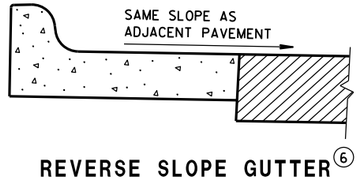
TYPES TBT & TBTT (1)

CONCRETE CURB & GUTTER

TBT & TBTT	"X"
30"	22"
36"	28"



PARTIAL SECTION OF PAVEMENT *
WITH INTEGRAL CURB & GUTTER



REVERSE SLOPE GUTTER (6)
(TYPICAL FOR ALL CURB & GUTTER TYPES)

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'

* BIKE LANE IS NOT SHOWN.

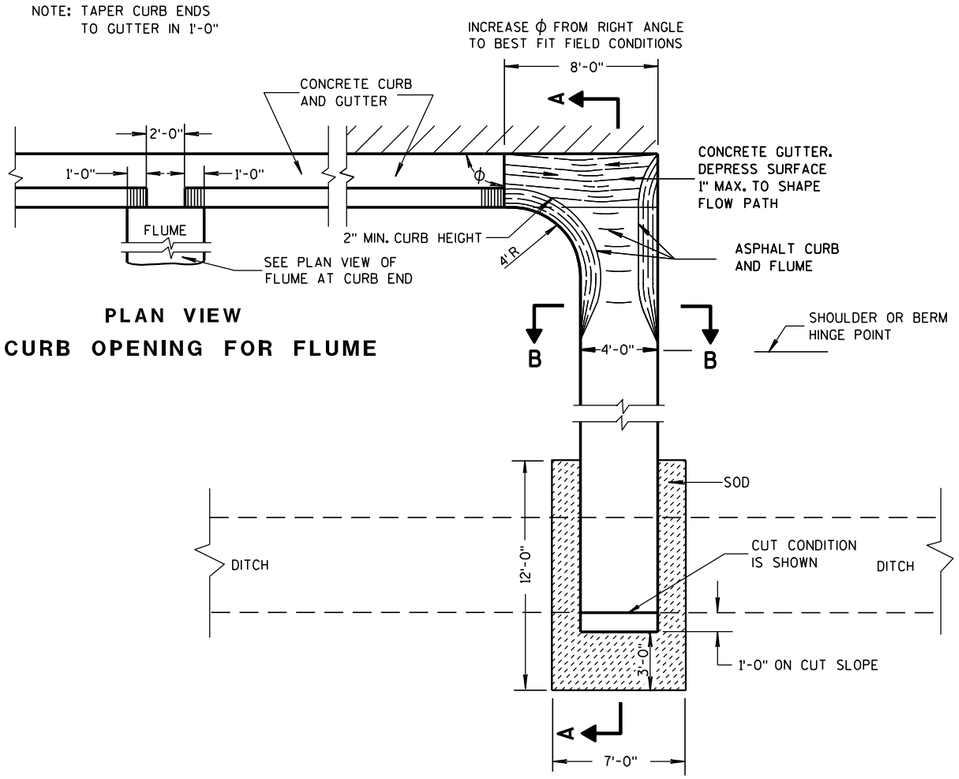
CONCRETE CURB & GUTTER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPO...

6

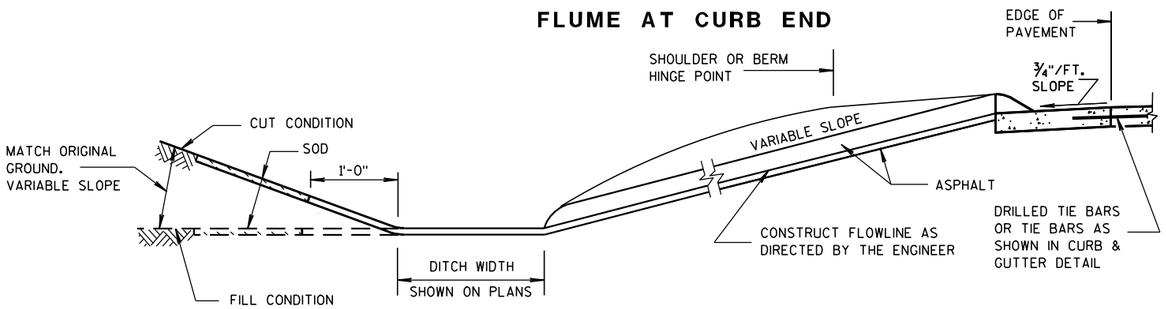
S.D.D. 8 D 1-20a
S.D.D. 8 D 1-20a

ASPHALTIC FLUME

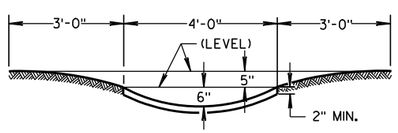


PLAN VIEW
CURB OPENING FOR FLUME

PLAN VIEW
FLUME AT CURB END



SECTION A-A



SECTION B-B

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

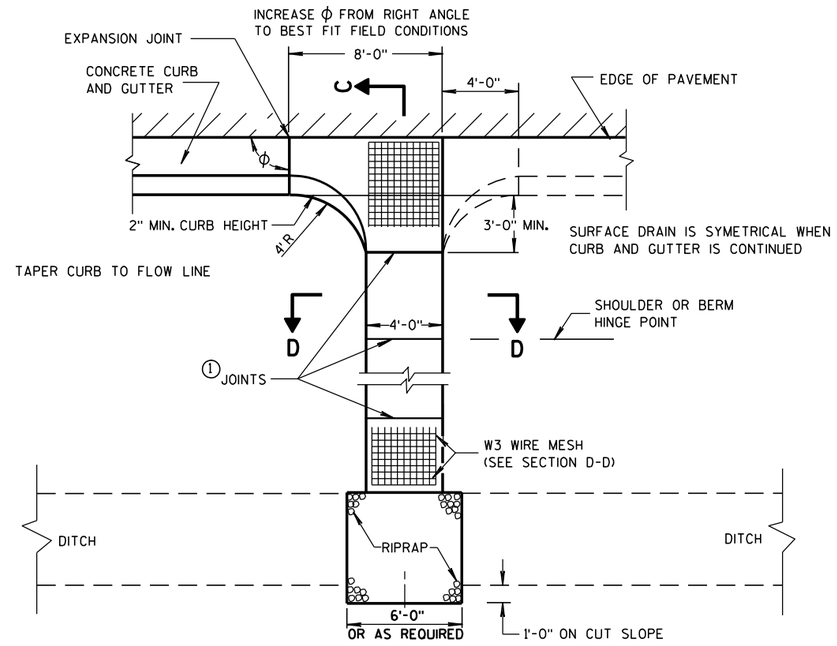
WELDED STEEL WIRE FABRIC SHALL BE IN ACCORDANCE WITH AASHTO SPECIFICATION M55.

① JOINTS SHALL BE $\frac{1}{8}$ TO $\frac{1}{4}$ INCH WIDE BY $1\frac{1}{2}$ INCHES DEEP AND SPACED AT UNIFORM INTERVALS OF APPROXIMATELY 4 FEET.

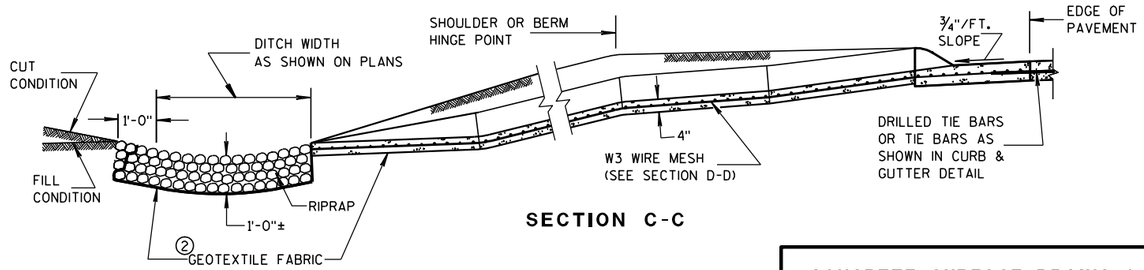
② GEOTEXTILE FABRIC TYPE "R" SHALL UNDERLAY THE FULL LENGTH AND WIDTH OF THE CONCRETE SURFACE DRAIN AND RIPRAP.

③ CONCRETE SURFACE DRAIN WITHOUT CURB AND GUTTER MAY BE USED ON BACKSLOPES WHEN SPECIFIED

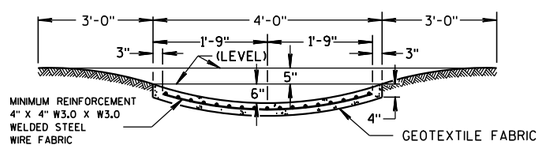
③ CONCRETE SURFACE DRAIN



PLAN VIEW



SECTION C-C



SECTION D-D

CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
9-4-08 DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER
MENT
FHWA

6

S.D.D. 8 D 4-5

6

S.D.D. 8 D 4-5

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.

(1) UNPERFORATED PIPE UNDERDRAIN AND FITTINGS FURNISHED FOR OUTFALL PIPE SHALL MEET THE REQUIREMENTS OF ONE OF THE FOLLOWING SPECIFICATIONS:

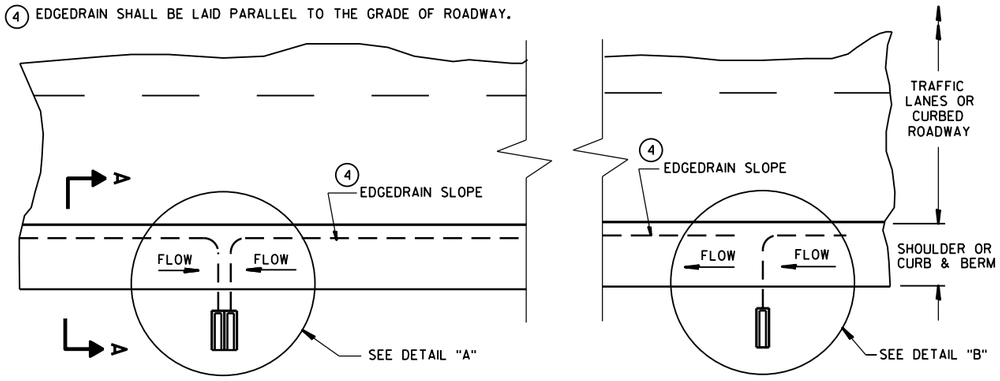
POLYVINYL CHLORIDE (PVC) PLASTIC DRAIN, WASTE, AND VENT PIPE AND FITTINGS, ASTM D 2665, SCHEDULE 40 PVC.

TYPE PSM POLYVINYL CHLORIDE (PVC) SEWER PIPE AND FITTINGS, ASTM D 3034, SDR 23.5 PVC SEWER PIPE.

(2) MAXIMUM SPACING OF EDGEDRAIN OUTLETS SHALL BE 250 FEET UNLESS OTHERWISE SPECIFIED IN THE CONTRACT OR DIRECTED BY THE ENGINEER.

(3) EDGEDRAIN SHALL BE CONNECTED TO INLETS REGARDLESS OF FLOW DIRECTION FOR DRAINAGE AND MAINTENANCE ACCESS.

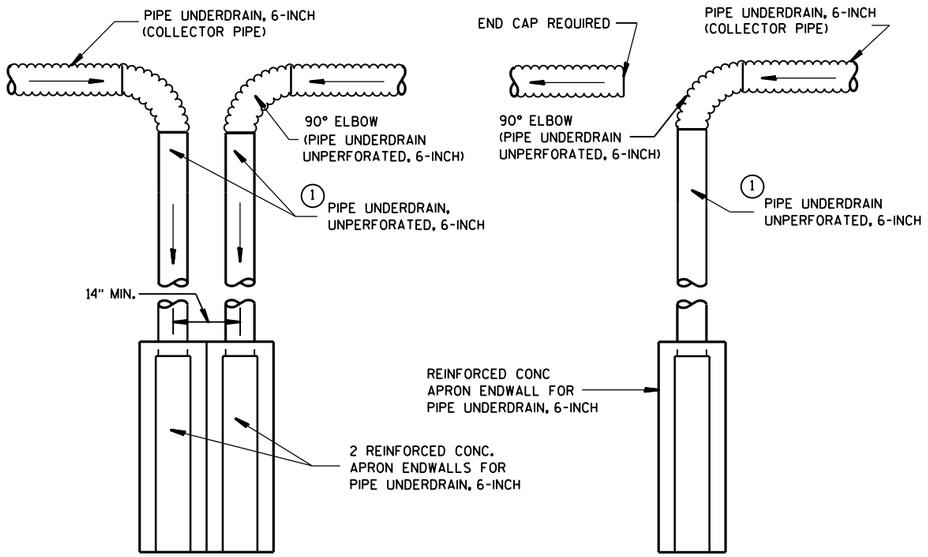
(4) EDGEDRAIN SHALL BE LAID PARALLEL TO THE GRADE OF ROADWAY.



PLAN VIEW

ROADWAY WITH SHOULDERS OR CURBS

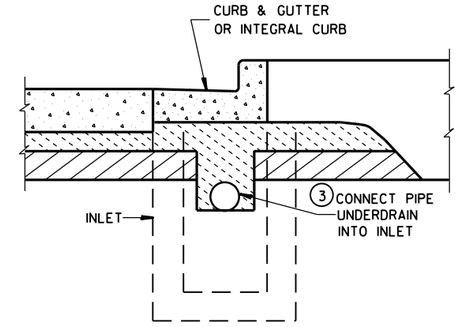
(EDGEDRAIN OUTLETS TO ROADSIDE)(2)



DETAIL "A"
TO BE USED AT LOW POINT LOCATIONS

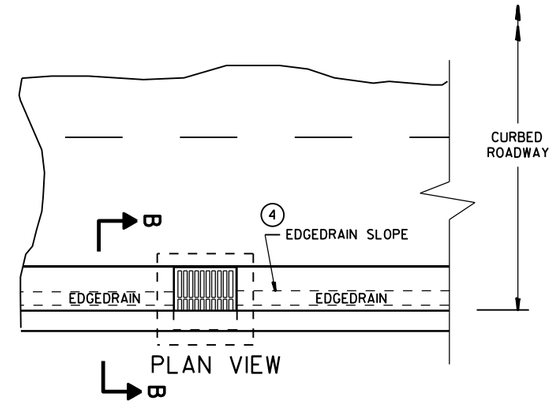
DETAIL "B"
TO BE USED AT INTERMEDIATE LOCATIONS

TYPICAL DRAIN OUT DETAILS



SECTION B-B

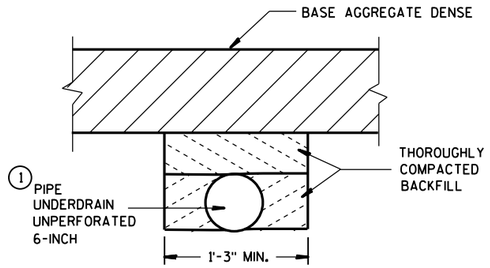
URBAN CROSS SECTION



PLAN VIEW

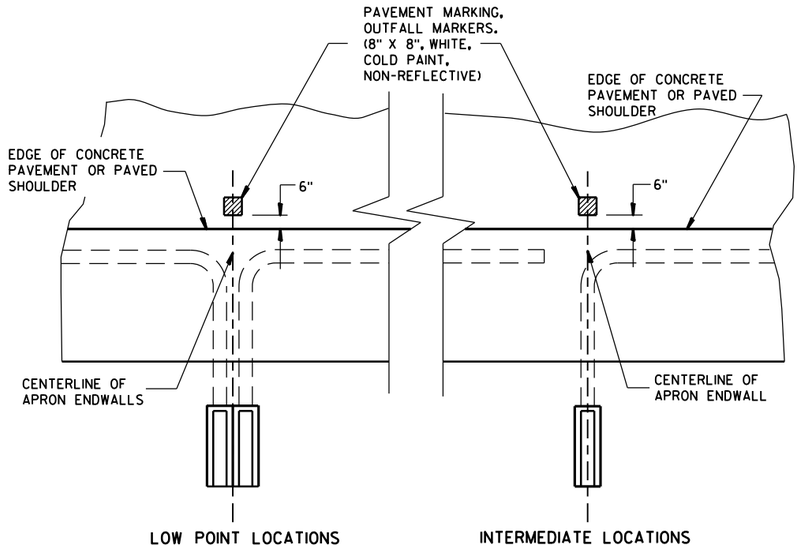
ROADWAY WITH CURBS

(EDGEDRAIN CONNECTS INTO INLET STRUCTURE)



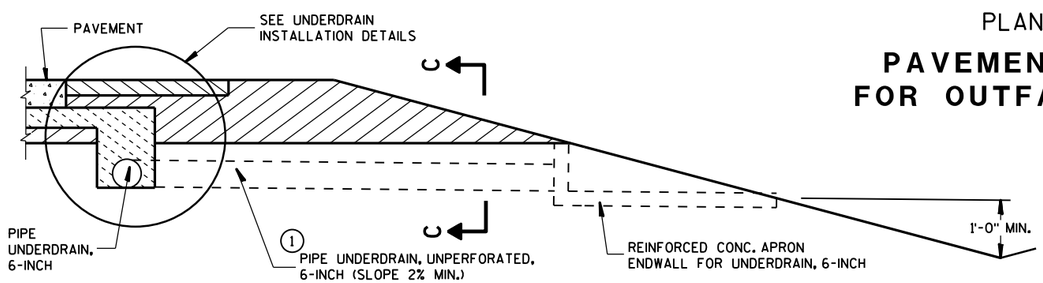
SECTION C-C

(TRENCH FOR OUTFALL PIPE)



PLAN VIEW

PAVEMENT MARKING FOR OUTFALL MARKERS



SECTION A-A

RURAL CROSS SECTION

EDGEDRAIN OUTLET AND OUTFALL MARKERS

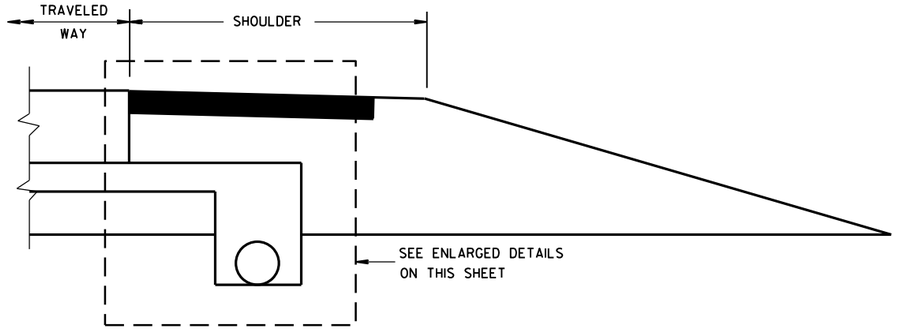
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

S.D.D. 8 D 15-5a

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S.D.D. 8 D 15-5a



RURAL CROSS SECTION

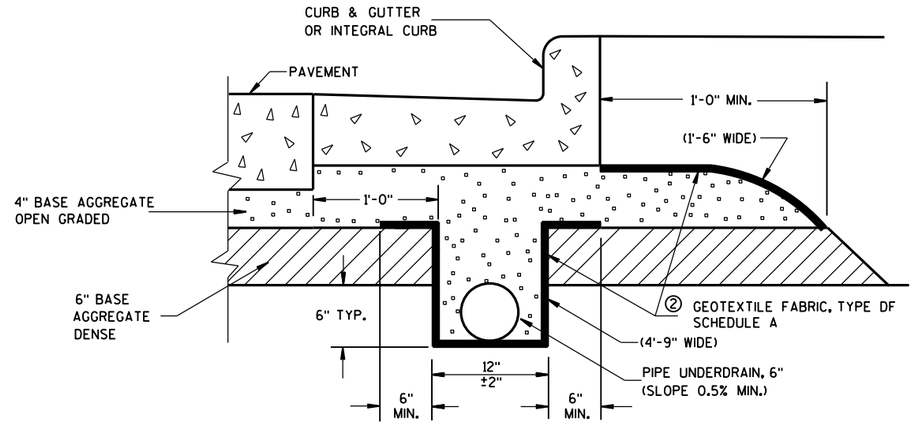
GENERAL NOTES

THE DIMENSIONS SHOWN ON THE TYPICAL CROSS SECTIONS WILL GOVERN IN THE EVENT THERE IS A CONFLICT WITH THE DETAILS SHOWN ON THIS DRAWING.

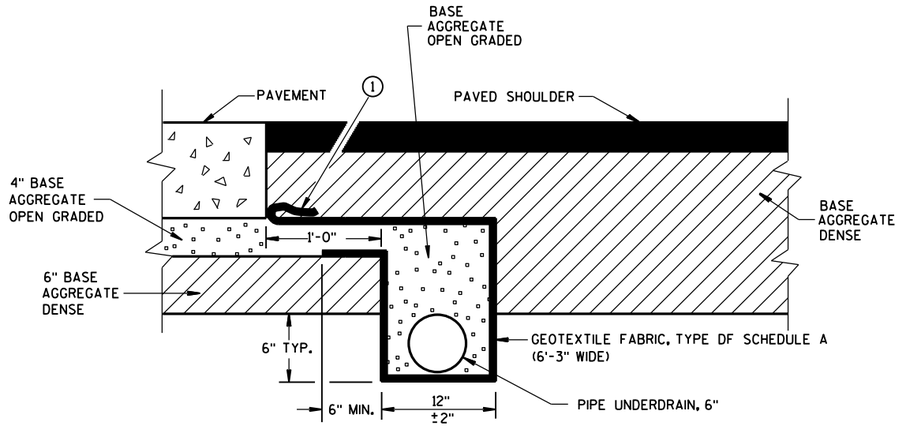
PIPE UNDERDRAIN SHALL BE LAID PARALLEL TO THE GRADE OF THE ROADWAY.

① FOLD OVER EXCESS GEOTEXTILE FABRIC AT THIS LOCATION.

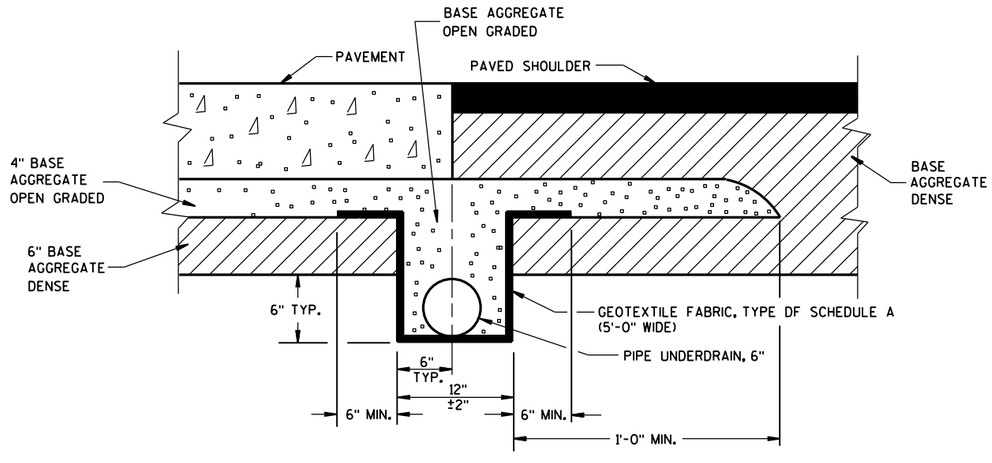
② TOTAL FABRIC WIDTH IS 6'-3" FOR PAYMENT.



EDGEDRAIN IN URBAN ROADWAY



POST PAVING INSTALLATION
(QUANTITIES ARE BASED ON THIS DETAIL)



PRE-PAVING INSTALLATION ALTERNATE

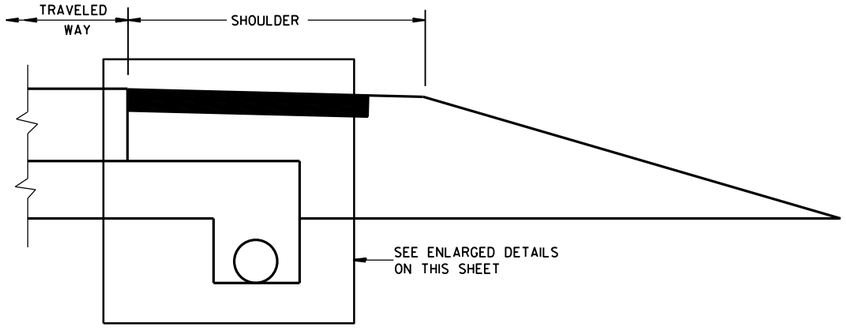
EDGEDRAIN IN RURAL ROADWAY

EDGEDRAIN AND BASE AGGREGATE OPEN GRADED

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2015 — DATE
/S/ Peter Kemp, P.E. — PAVEMENT SUPE
FHWA

6
S.D.D. 8 D 15-5b

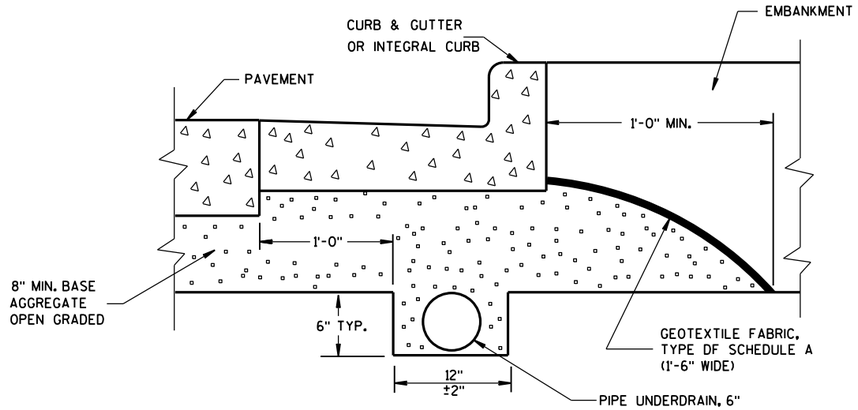


RURAL CROSS SECTION

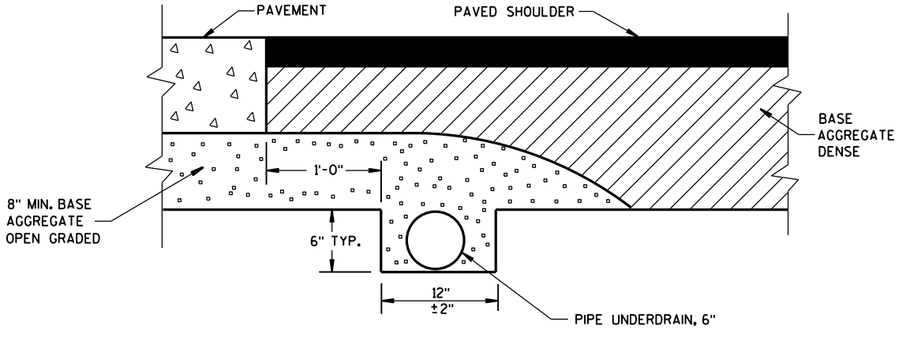
GENERAL NOTES

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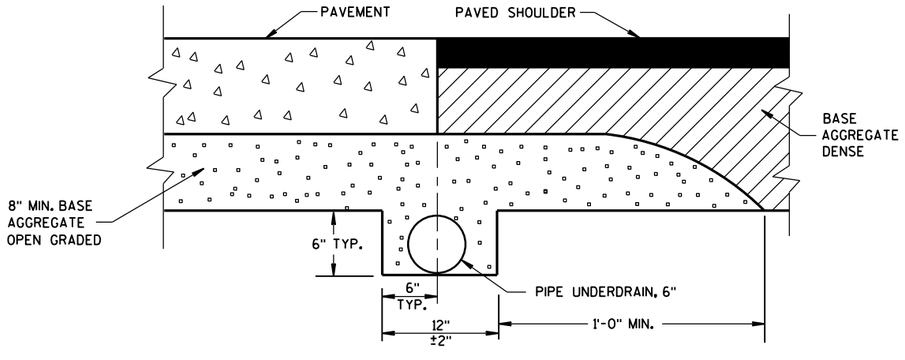
PIPE UNDERDRAIN SHALL BE LAID PARALLEL TO THE GRADE OF THE ROADWAY.



EDGEDRAIN IN URBAN ROADWAY



POST PAVING INSTALLATION
(QUANTITIES ARE BASED ON THIS DETAIL)



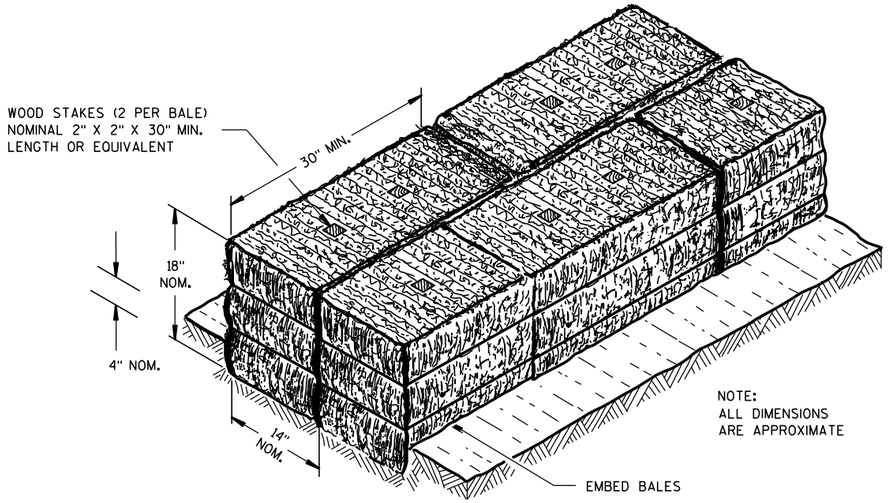
PRE-PAVING INSTALLATION ALTERNATIVE

EDGEDRAIN IN RURAL ROADWAY

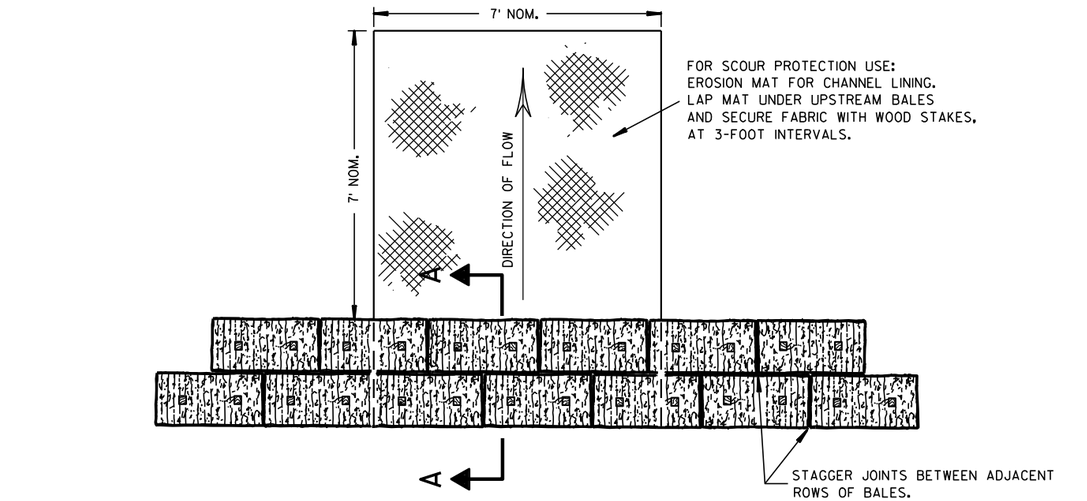
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EDGEDRAIN AND BASE AGGREGATE OPEN GRADED	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED	
Sept. 2015	/S/ Peter Kemp, P.E.
DATE	PAVEMENT SUPE
FHWA	

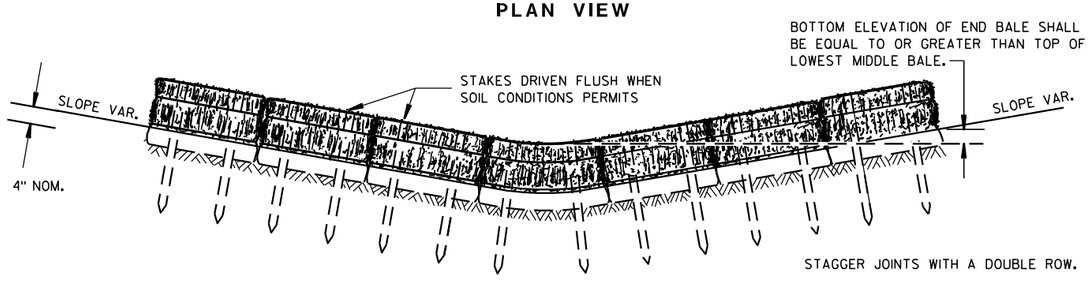
S.D.D. 8 D 15-5c



SECTION A-A



PLAN VIEW



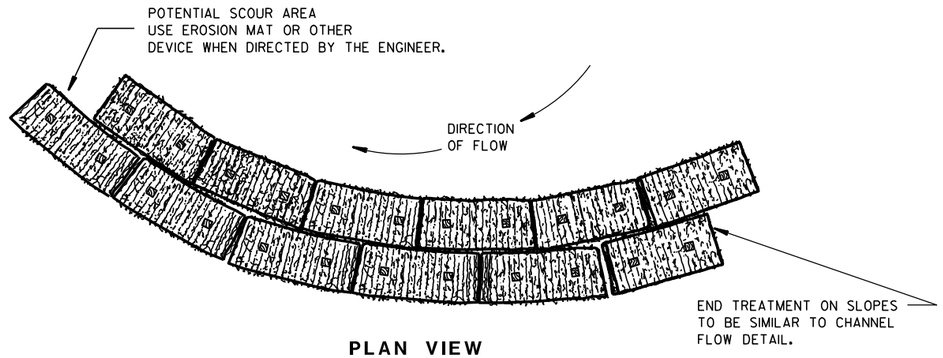
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES ①

GENERAL NOTES

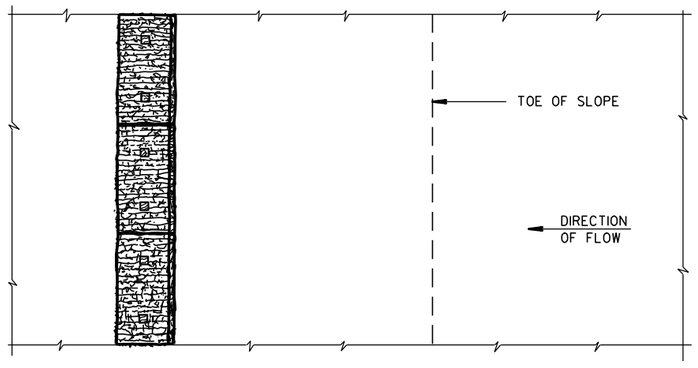
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

① TEMPORARY DITCH CHECKS EITHER EROSION BALES OR MANUFACTURED SHALL BE PAID FOR UNDER THE BID ITEM OF TEMPORARY DITCH CHECK. THE DEPARTMENT WILL NOT PAY FOR TEMPORARY DITCH CHECKS CONSTRUCTED OF A SINGLE ROW OF EROSION BALES.

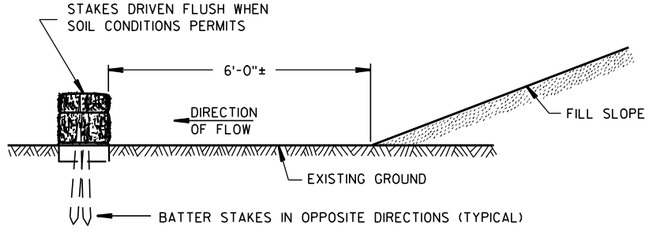


PLAN VIEW

WHEN ALTERING THE DIRECTION OF FLOW



PLAN VIEW



FRONT ELEVATION

WHEN EXISTING GROUND SLOPES AWAY FROM FILL SLOPE

EROSION BALES FOR SHEET FLOW

TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS

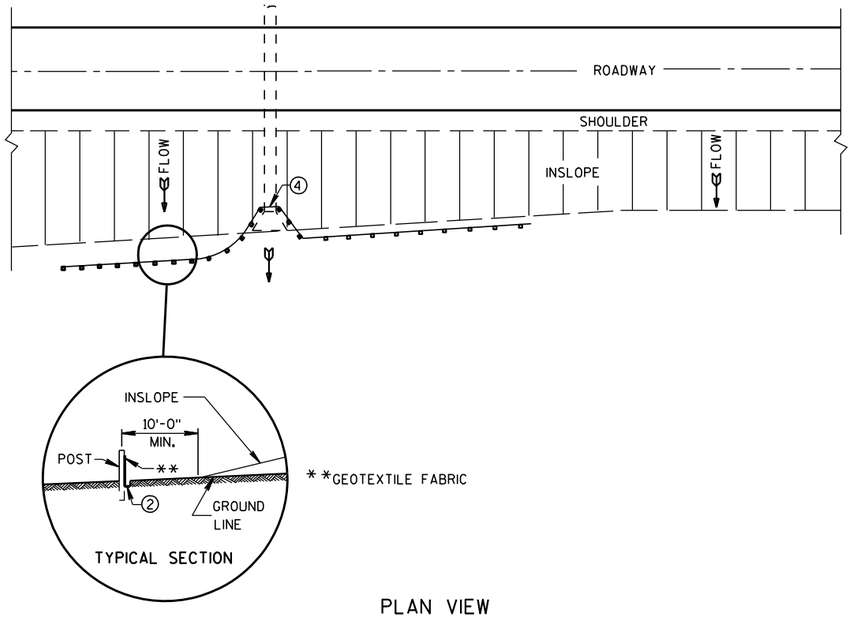
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

6/04/02 DATE — /S/ Beth Cannestra — CHIEF ROADWAY DEVELOPMENT ENGINEER

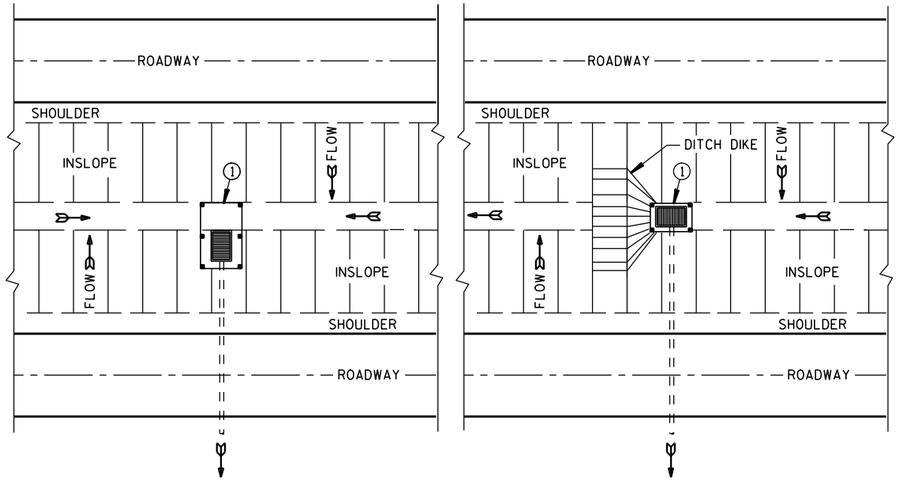
FHWA

6
S.D.D. 8 E 8-3



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

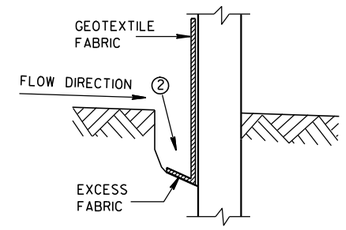
① HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.

② FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.

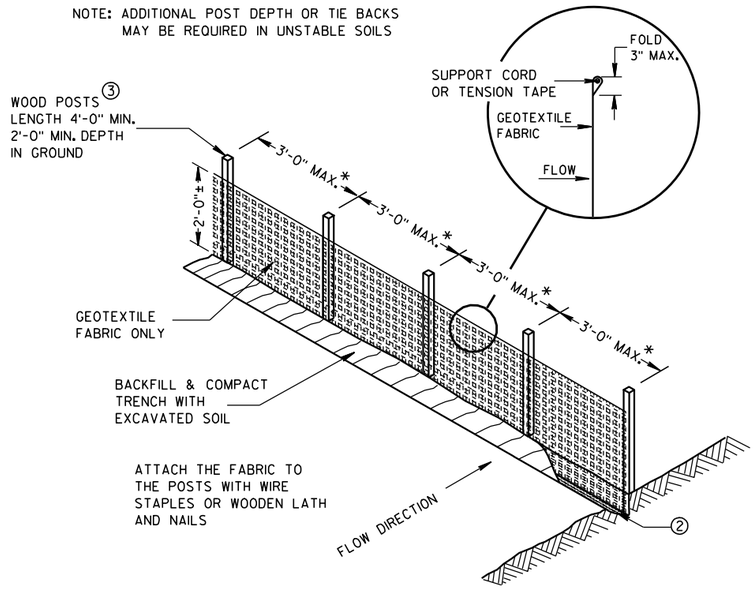
③ WOOD POSTS SHALL BE A MINIMUM SIZE OF 1⅛" X 1⅛" OF OAK OR HICKORY.

④ SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.

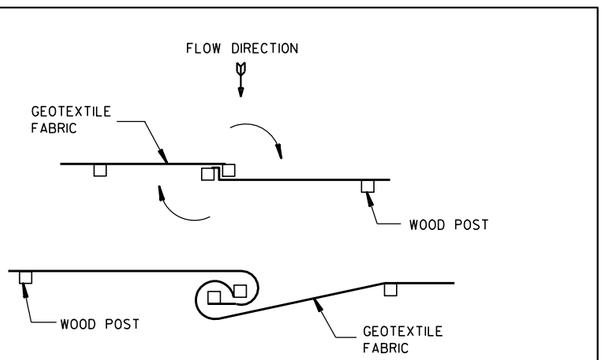
⑤ CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.



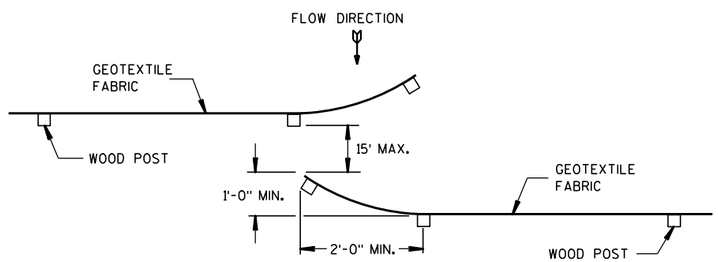
TRENCH DETAIL



SILT FENCE

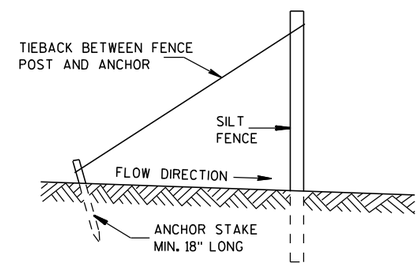


TWIST METHOD



HOOK METHOD

JOINING TWO LENGTHS OF SILT FENCE ⑤



SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)

SILT FENCE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

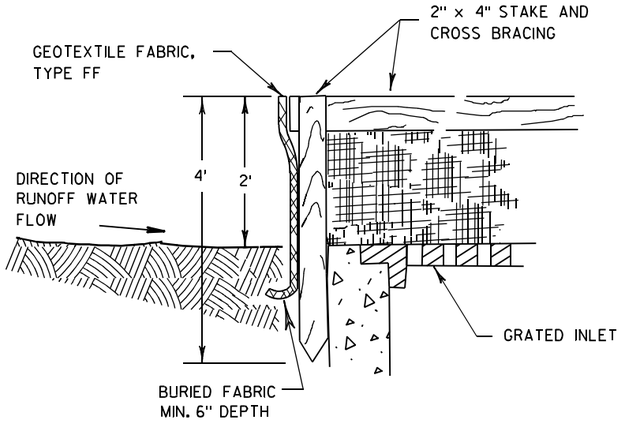
APPROVED
4-29-05 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

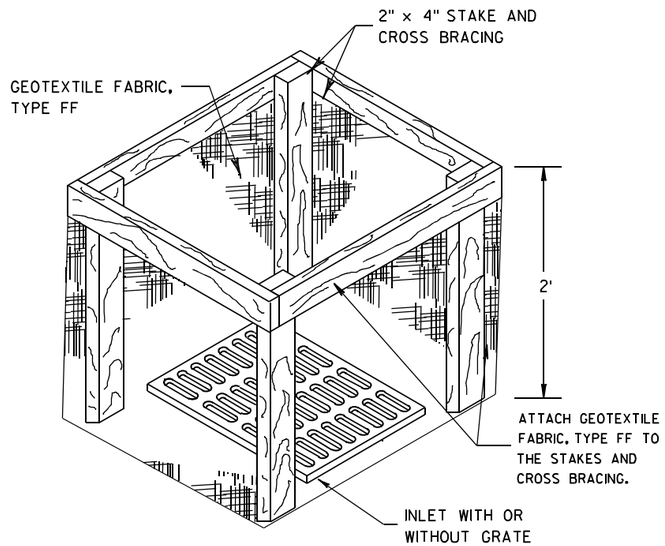
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S.D.D. 8 E 9-6

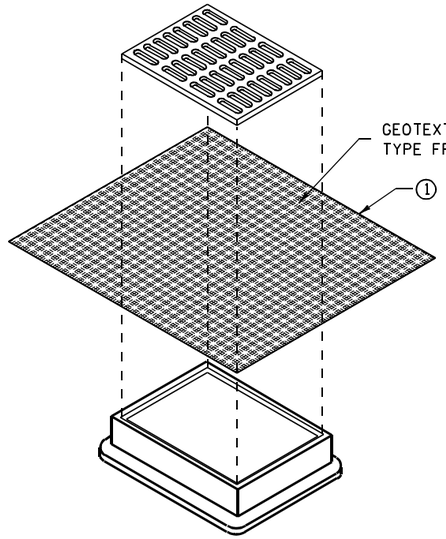
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S.D.D. 8 E 9-6



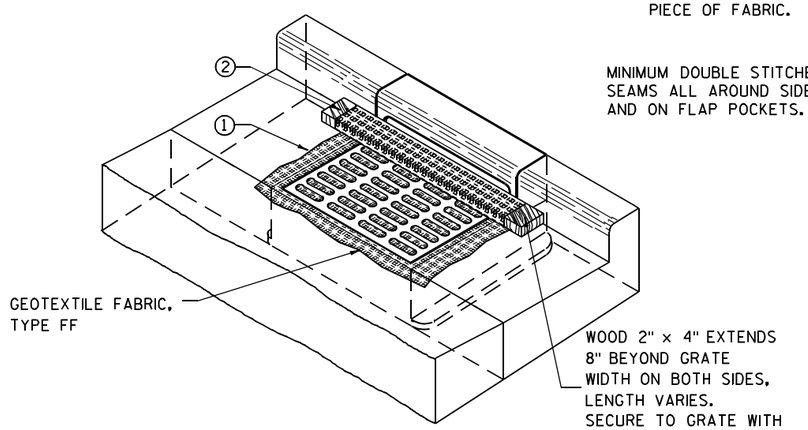


INLET PROTECTION, TYPE A

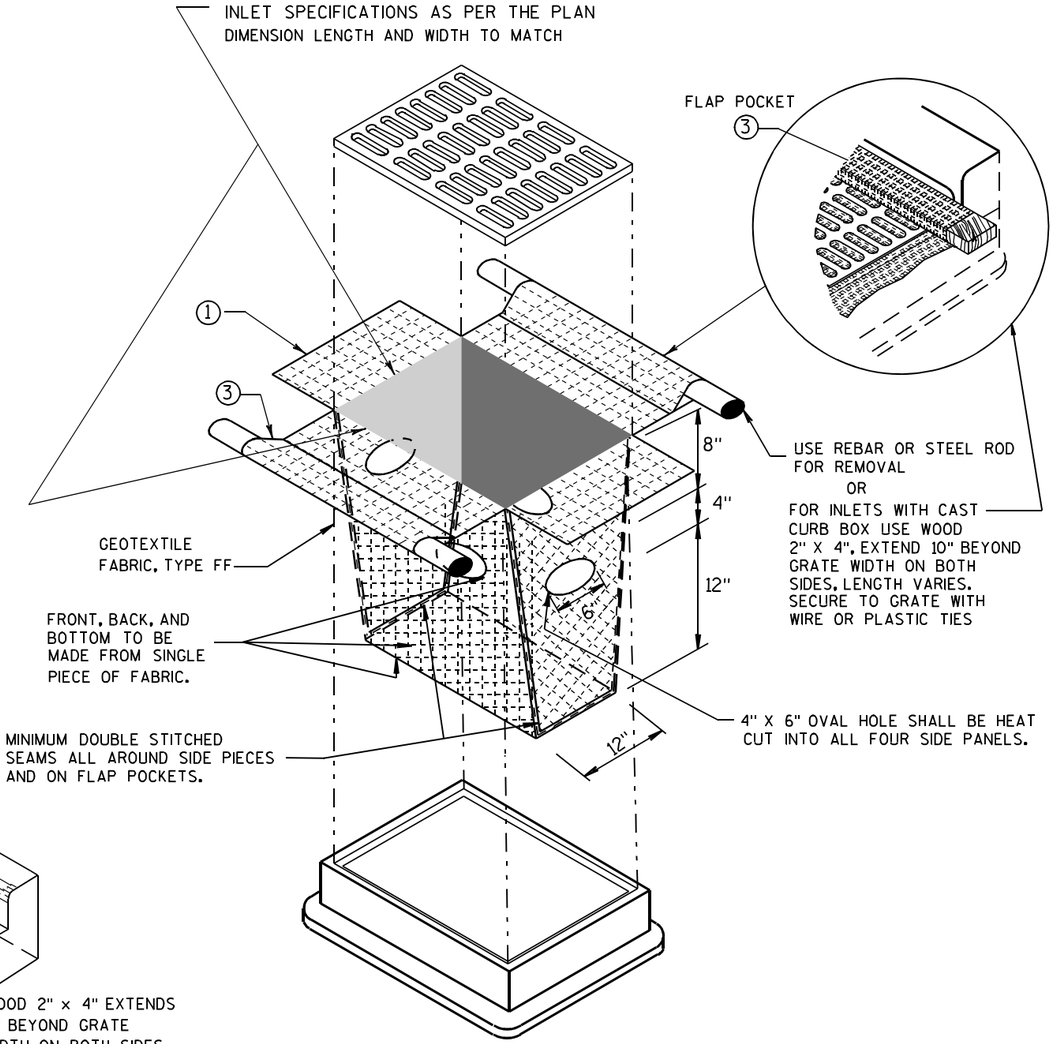


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)



INLET PROTECTION, TYPE C (WITH CURB BOX)



INLET PROTECTION, TYPE D

(CAN BE INSTALLED IN ANY INLET TYPE WITH
OR WITHOUT A CURB BOX AS PER NOTE ②)

GENERAL NOTES

INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.

MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.

WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

① FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.

② FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.

③ FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.

INSTALLATION NOTES

TYPE B & C

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

TYPE D

DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

INLET PROTECTION
TYPE A, B, C, AND D

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

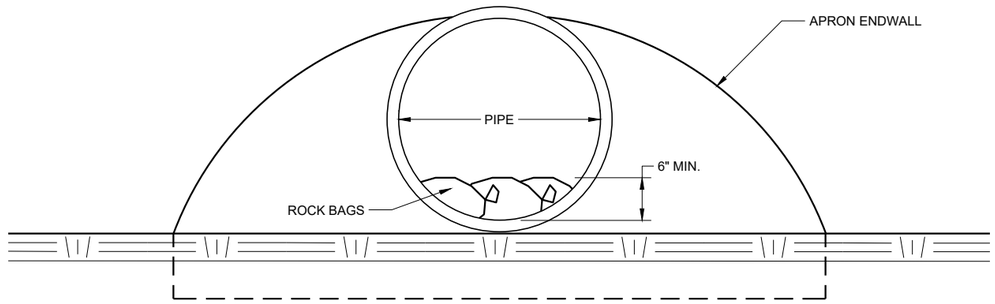
APPROVED

10/16/02
DATE

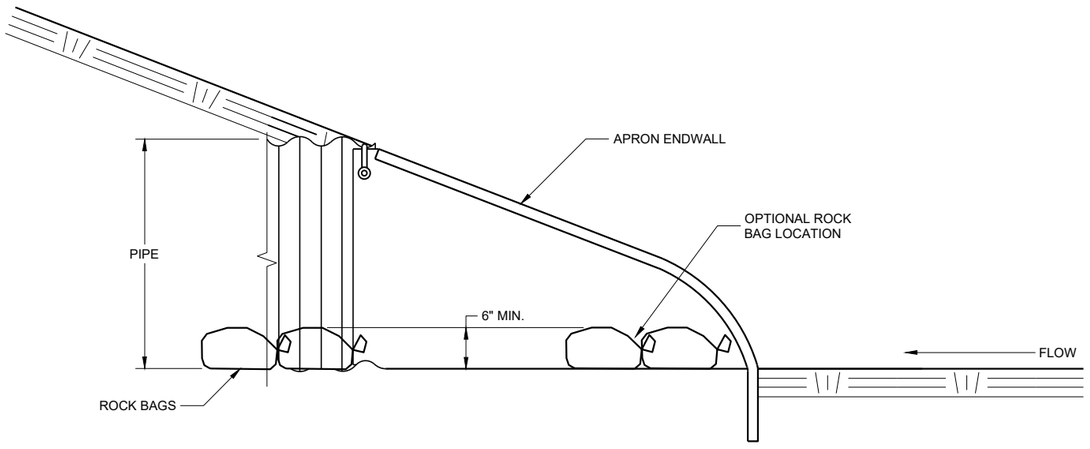
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER

FHWA

6
S.D.D. 8 E 10-2



END VIEW



SIDE VIEW

CULVERT PIPE CHECK

(INSTALL ON INLET END ONLY)

CULVERT PIPE CHECK

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019
DATE
/S/ Daniel Schave
EROSION CONTROL ENGI

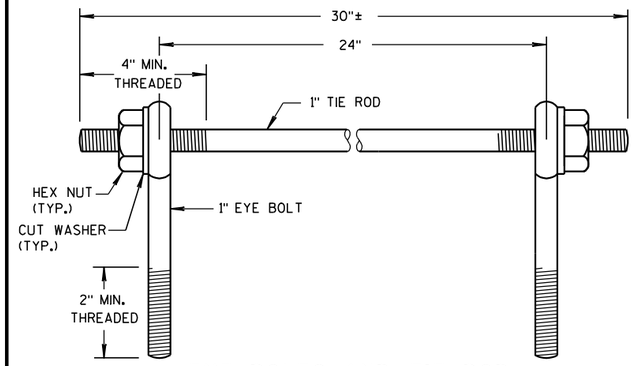
FHWA

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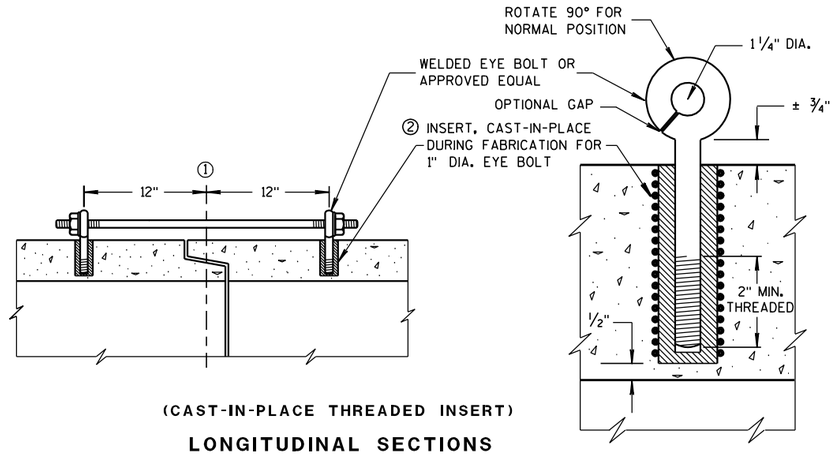
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SDD 08E15 - 01



EYE BOLTS AND TIE ROD



(CAST-IN-PLACE THREADED INSERT)

LONGITUDINAL SECTIONS

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 1)

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.

CONCRETE CULVERT AND STORM SEWER PIPE SHALL BE TIED TOGETHER IN THE MANNER ILLUSTRATED BY THIS DETAIL AT LOCATIONS DESIGNATED IN THE STANDARD SPECIFICATIONS AND THE PLAN. THE CONTRACTOR MAY USE EITHER ALTERNATE 1, 2 OR 3 FOR DRAINAGE STRUCTURES. ONLY ALTERNATE 1 AND 3 MAY BE USED FOR CATTLE PASSES, UNLESS OTHERWISE STATED IN THE CONTRACT. THE MATERIALS, FABRICATION AND WORK NECESSARY TO TIE THE PIPE BY THIS DETAIL WILL BE CONSIDERED INCIDENTAL TO THE PIPE AND APRON ENDWALLS IF REQUIRED.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR JOINT TIES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

JOINT TIES TO BE HOT-DIP GALVANIZED PER ASTM A 153.

① ℄ OF TONGUE AND GROOVE OR BELL AND SPIGOT JOINTS.

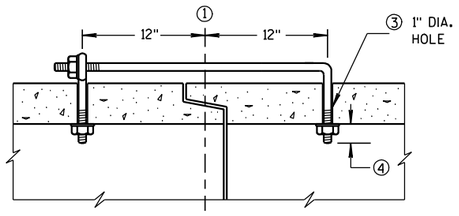
② THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE BOLTS.

③ HOLES SHALL BE CAST-IN-PLACE OR DRILLED 12 INCHES FROM ℄ OF TONGUE AND GROOVE.

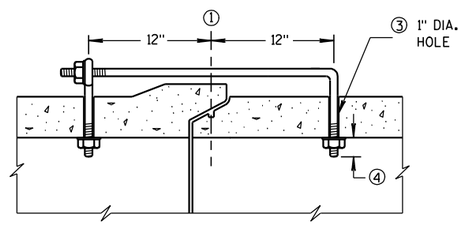
④ BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

⑤ OPENING TO BE ROD DIAMETER PLUS 1 INCH.

⑥ LENGTH ADEQUATE TO EXTEND TO WITHIN 1/2 INCH OF THE INNER SURFACE OF THE PIPE.



(TONGUE & GROOVE PIPE)

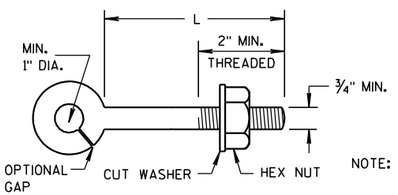


(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

EYE BOLT DIMENSION TABLE

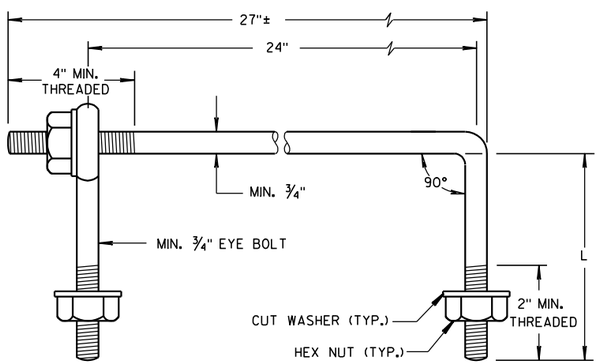
PIPE SIZE	L = LENGTH	
	TONGUE & GROOVE PIPE	MODIFIED BELL PIPE
18" TO 24"	4 1/2"	6 1/4"
30"	5"	7"
36"	5 1/2"	7"
42"	6"	
48"	6 1/2"	
60"	7 1/2"	
66"	8"	



NOTE:

EYE BOLT

NOTE: TWO EYE BOLTS MAY BE USED WITH A 30" LONG THREADED ROD IN LIEU OF THE 90° BENT TIE ROD.



EYE BOLT AND TIE ROD

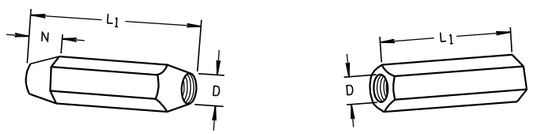
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 2)

ADJUSTABLE TIE ROD TABLE

PIPE DIAMETER	TIE ROD DIAMETER	D	L_1	N
12-60	5/8	5/8	5	1/2
66-84	3/4	3/4	5	1/2
90-108	1	1	7	1 1/16

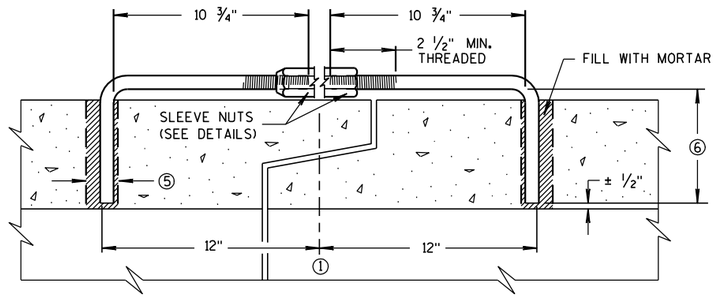
DIMENSIONS SHOWN ARE IN INCHES



TAPERED PLAIN

RIGHT AND LEFT THREADS

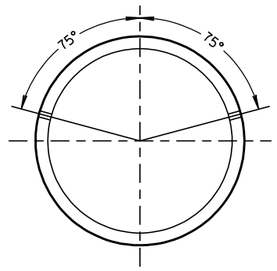
SLEEVE NUTS



LONGITUDINAL SECTION

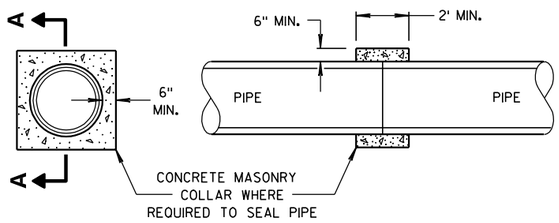
(JOINT TIES FOR 12" TO 108" DIA. CONCRETE PIPE)

ADJUSTABLE TIE ROD (ALTERNATE NO. 3)



PLACEMENT OF (2) CAST-IN-PLACE INSERTS OR HOLES DURING FABRICATION FOR PIPE SECTIONS REQUIRING TIE RODS

TRANSVERSE SECTION



SECTION A-A

CONCRETE COLLAR DETAIL

JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/5/2012 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
FHWA

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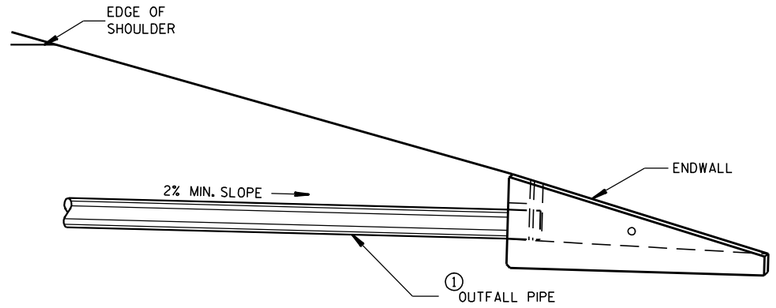
S.D.D. 8 F 4-7

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S.D.D. 8 F 4-7

DIMENSIONS IN INCHES											
PIPE DIA.	A	B	C	D	E	F	G	H	J	L	Z
**4	6	12	5 1/4	9	8	32	36	11	2 3/8	6 1/2	4
6	8	14	7 1/4	11	10	42	44	13	3 5/8	8 1/2	6

**APRON ENDWALL FOR 6 INCH DIAMETER PIPE MAY BE SUBSTITUTED FOR THIS SIZE PROVIDED THE HOLE IN THE HEADWALL IS SIZED AND LOCATED TO CONFORM TO THE 4 INCH DIAMETER PIPE DIMENSIONS (C & J)



INSTALLATION DETAIL

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.

ALTERNATIVE DESIGNS WHICH PROVIDE EQUIVALENT CAPACITY AND STRENGTH MAY BE USED WHEN APPROVED BY THE ENGINEER. ENDWALL MAY BE EITHER PRECAST OR CAST-IN-PLACE CONCRETE.

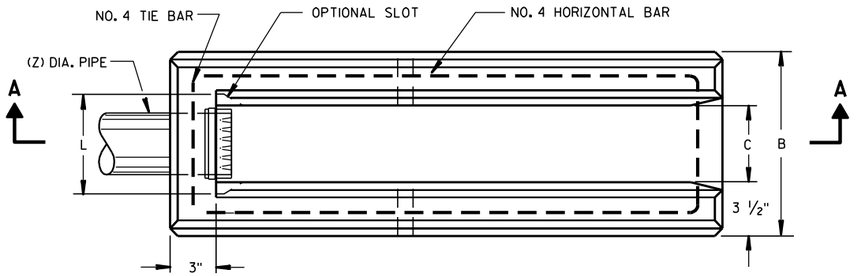
THE UNDERDRAIN PIPE SHALL BE FULLY INSERTED AND SEALED INTO THE ENDWALL WITH CEMENT MORTAR PRIOR TO BACKFILLING AROUND THE STRUCTURE.

THE UPPERMOST POINT OF THE ENDWALL SHALL BE PLACED FLUSH WITH THE ROADWAY SLOPE. ADJACENT EMBANKMENT SLOPES SHALL BE SHAPED TO FIT THE SIDES AND TOE OF THE ENDWALL. EXACT PLACEMENT OF THE OUTFALL PIPE AND ENDWALL SHALL BE DETERMINED BY THE ENGINEER TO MATCH THE ELEVATIONS AND FLOW DIRECTION OF THE ROADSIDE DITCH.

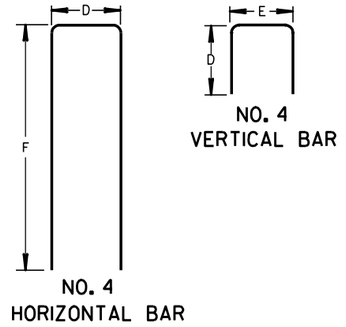
① THE OUTFALL PIPE UNDERDRAIN AND FITTINGS SHALL CONFORM TO THE REQUIREMENTS OF THE SPECIFICATION FOR POLY (VINYL CHORIDE) (PVC) PLASTIC DRAIN, WASTE AND VENT PIPE AND FITTINGS, ASTM DESIGNATION: D 2665, SCHEDULE 40 PVC OR THE STANDARD SPECIFICATION FOR TYPE PSM POLY (VINYL CHORIDE) (PVC) SEWER PIPE AND FITTINGS, ASTM DESIGNATION: D 3034, TYPE PSM SDR 23.5 PVC SEWER PIPE, ALL JOINTS SHALL BE SOLVENT WELDED.

THE OUTFALL PIPE INCLUDING ALL FITTINGS AND THE RODENT SHIELD SHALL BE MEASURED AND PAID FOR AS PIPE UNDERDRAIN UNPERFORATED.

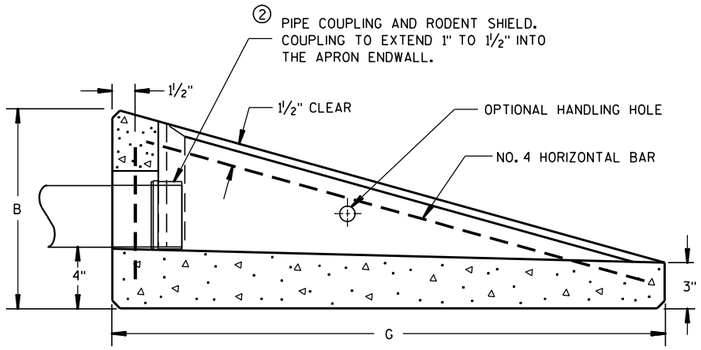
② THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE OUTFALL PIPE. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 X 1-INCH STAINLESS STEEL SHEET METAL SCREWS.



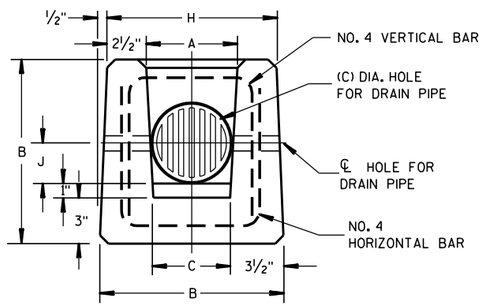
PLAN VIEW



BAR STEEL REINFORCEMENT DETAILS

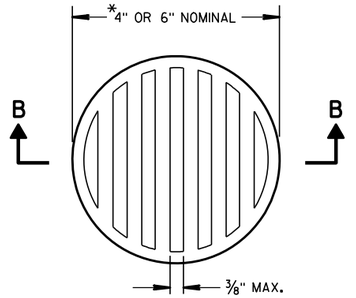


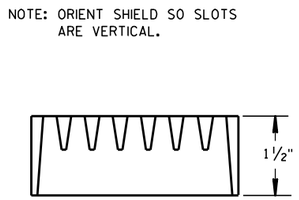
SECTION A-A



END VIEW

CONCRETE APRON ENDWALL FOR UNDERDRAIN





SECTION B-B

② RODENT SHIELD

*NOTE: DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING.

REINFORCED CONCRETE APRON ENDWALL FOR PIPE UNDERDRAIN

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

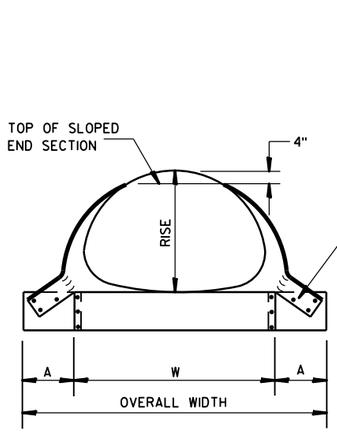
APPROVED
3/10/98 DATE
/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6

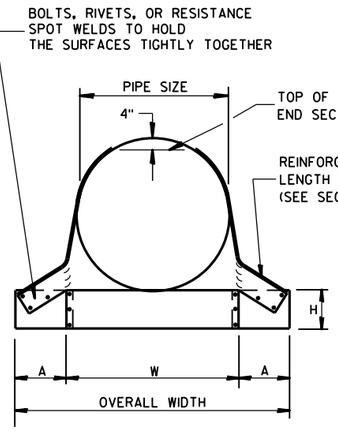
S.D.D. 8 F 6-4

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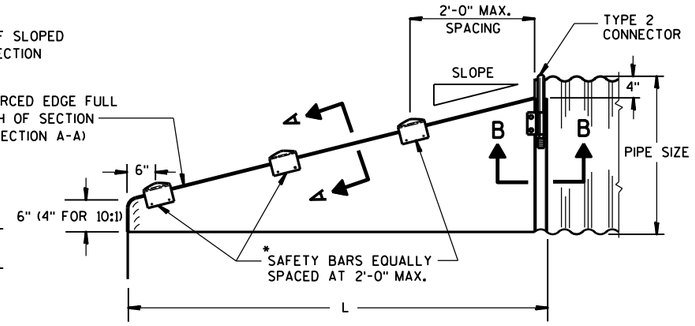
S.D.D. 8 F 6-4



FRONT VIEW



FRONT VIEW



SIDE VIEW

GENERAL NOTES

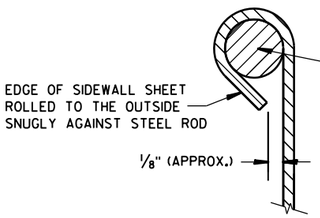
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

SLOPED END SECTIONS SHALL CONFORM TO THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS, SECTION 521 FOR STEEL APRON ENDWALLS.

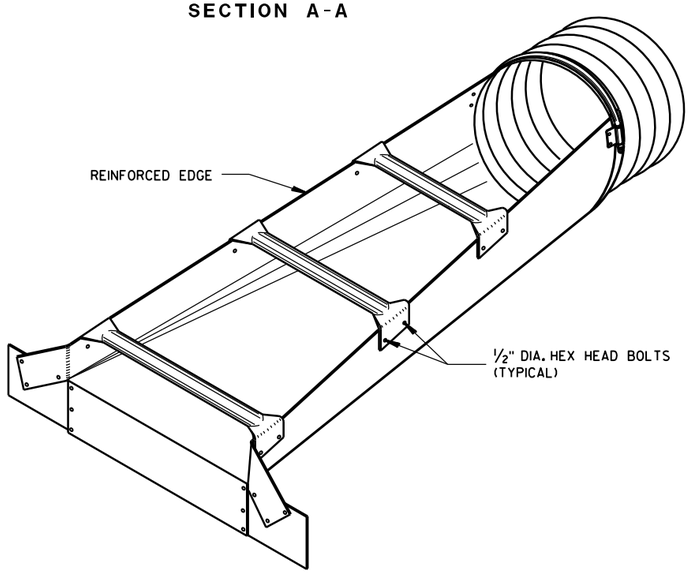
SAFETY BARS SHALL BE FABRICATED FROM GALVANIZED STEEL PIPE MEETING THE REQUIREMENTS OF ASTM A-53, GRADE B, SCHEDULE 40 OR APPROVED EQUAL.

STEEL APRON ENDWALLS FOR CULVERT PIPE
SLOPED SIDE DRAINS

PIPE DIA. (IN.)	MIN. THICK. (Inches)	DIMENSIONS (Inches)				L DIMENSIONS					
		A	H	W	OVERALL WIDTH	SLOPE	LENGTH INCHES	SLOPE	LENGTH INCHES	SLOPE	LENGTH INCHES
15	.064	8	6	21	37	4:1	20	6:1	30	10:1	70
18	.064	8	6	24	40	4:1	32	6:1	48	10:1	100
21	.064	8	6	27	43	4:1	44	6:1	66	10:1	130
24	.064	8	6	30	46	4:1	56	6:1	84	10:1	160
30	.109	12	9	36	60	4:1	80	6:1	120	10:1	220
36	.109	12	9	42	66	4:1	104	6:1	156	10:1	280
42	.109	16	12	48	80	4:1	128	6:1	192	——	——
48	.109	16	12	54	86	4:1	152	6:1	228	——	——
54	.109	16	12	60	92	4:1	176	6:1	264	——	——
60	.109	16	12	66	98	4:1	200	6:1	300	——	——



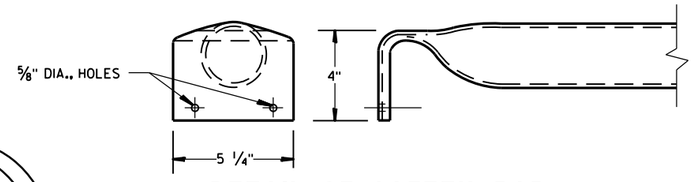
SECTION A-A



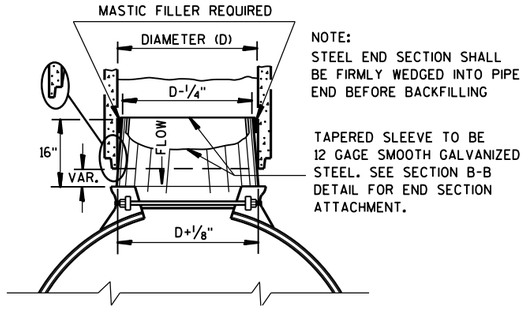
ISOMETRIC VIEW

*NOTE:
THREE SAFETY BARS ARE SHOWN. ACTUAL NUMBER OF BARS REQUIRED AT A 2'-0" C-C MAX. SPACING WILL VARY DEPENDING ON THE LENGTH OF THE END SECTION.

3" GALVANIZED PIPE. FLATTEN ENDS, THEN BEND OUTSIDE 4" TO MATCH END SECTION SIDES.



DETAIL OF SAFETY BAR

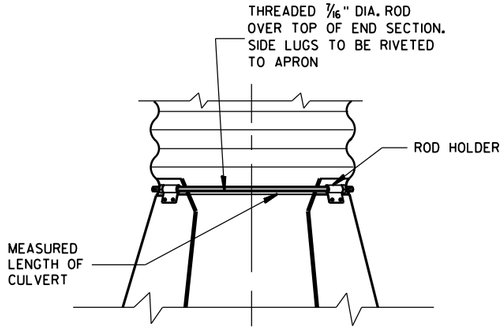


STEEL ADAPTER SLEEVE FOR CONCRETE PIPE

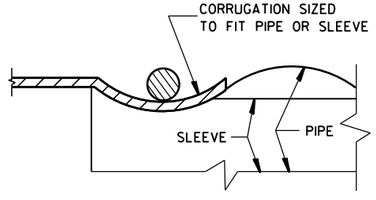
STEEL APRON ENDWALLS FOR PIPE ARCH
SLOPED SIDE DRAINS

EQUIV. DIA. (Inches)	(Inches) SPAN	(Inches) RISE	MIN. THICK. (Inches) ①	DIMENSIONS (Inches) A	H	W	OVERALL WIDTH	L DIMENSIONS SLOPE	LENGTH INCHES	SLOPE	LENGTH INCHES	SLOPE	LENGTH INCHES
15	17	13	.064 *	7	6	30	44	4:1	19	6:1	30	10:1 ②	70
18	21	15	.064 *	8	6	27	43	4:1	20	6:1	30	10:1	70
21	24	18	.064 *	8	6	30	46	4:1	32	6:1	48	10:1	100
24	28	20	.064 *	8	6	34	50	4:1	40	6:1	60	10:1	120
30	35	24	.079 *	12	9	41	65	4:1	56	6:1	84	10:1	160
36	42	29	.109 *	12	9	48	72	4:1	76	6:1	114	10:1	210
42	49	33	.109	16	12	55	87	4:1	92	6:1	138	——	——
48	57	38	.109	16	12	63	95	4:1	112	6:1	168	——	——
54	64	43	.109	16	12	70	102	4:1	132	6:1	198	——	——

① * MINIMUM THICKNESS OF ALL 10:1 SLOPED SIDE DRAINS IS 0.109".
② ACTUAL SLOPE GREATER THAN 10:1.



TYPE 2
CONNECTION DETAIL



SECTION B-B

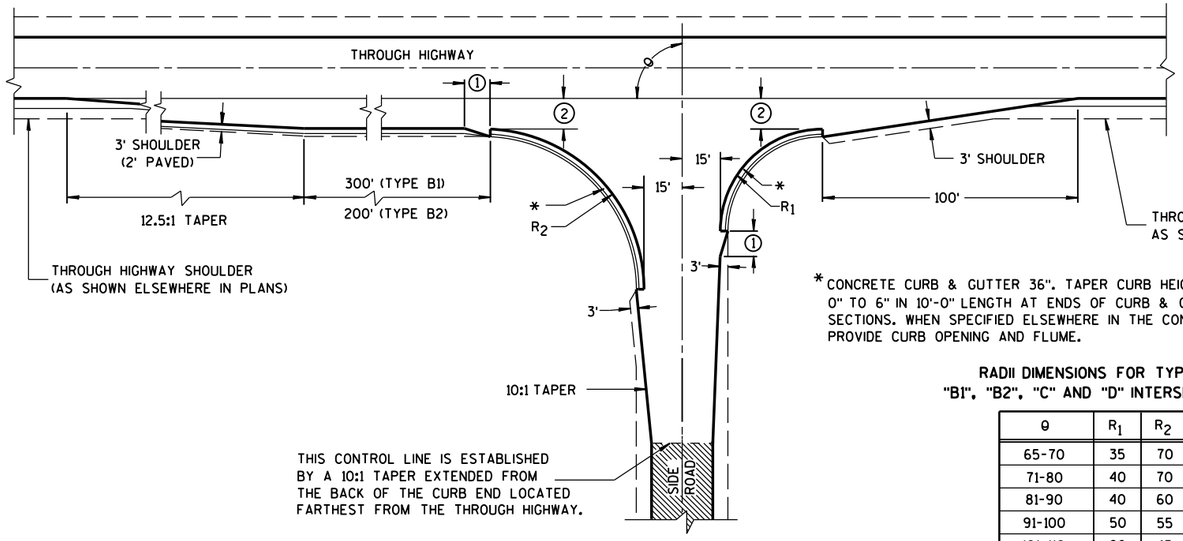
STEEL APRON ENDWALLS FOR CULVERT PIPE AND PIPE ARCH SLOPED SIDE DRAINS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
9/14/2012 DATE
/S/ Jerry H. Zoda
ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

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S.D.D. 8 F 7-5

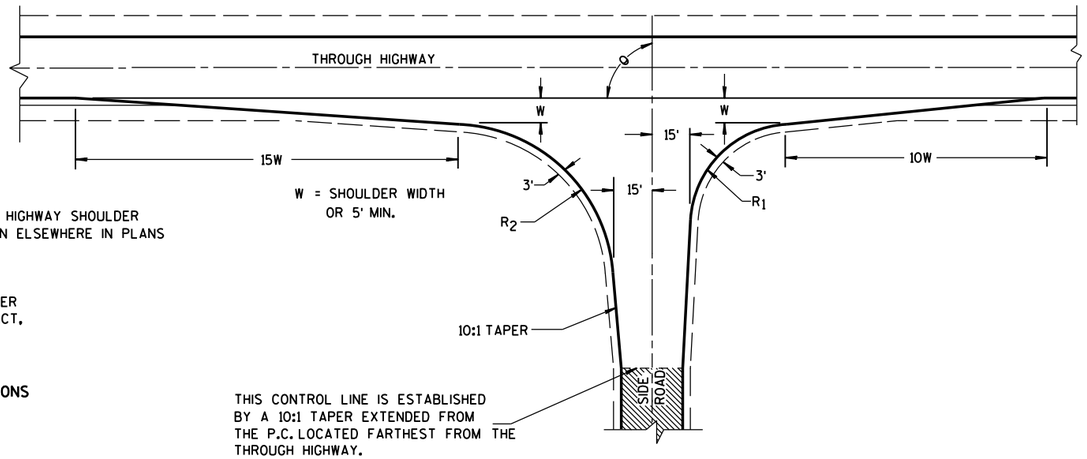


TYPE "B1" AND "B2"

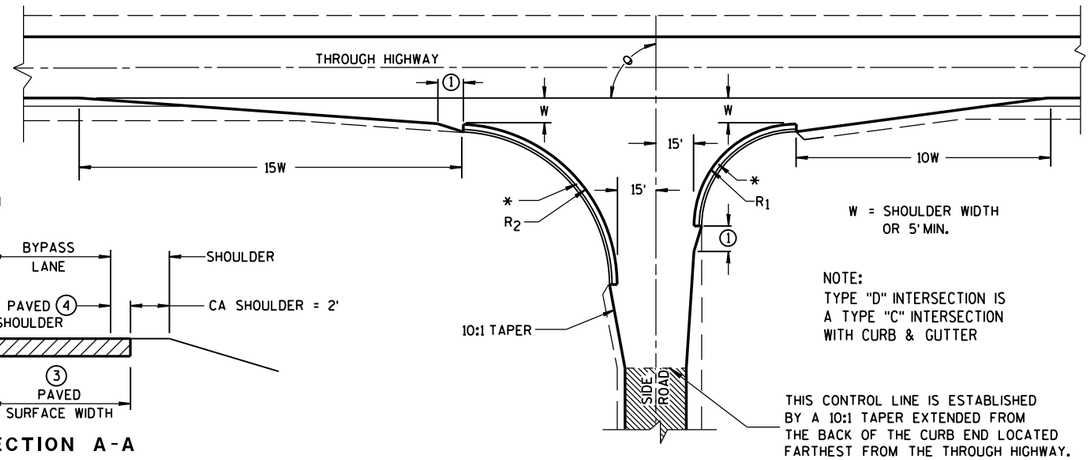
*CONCRETE CURB & GUTTER 36". TAPER CURB HEIGHT 0" TO 6" IN 10'-0" LENGTH AT ENDS OF CURB & GUTTER SECTIONS. WHEN SPECIFIED ELSEWHERE IN THE CONTRACT, PROVIDE CURB OPENING AND FLUME.

RADII DIMENSIONS FOR TYPES "B1", "B2", "C" AND "D" INTERSECTIONS

θ	R_1	R_2
65-70	35	70
71-80	40	70
81-90	40	60
91-100	50	55
101-110	60	45



TYPE "C"



TYPE "D"

GENERAL NOTES

DESIGNS MAY BE USED INTERCHANGEABLY IN COMBINATION OR SEPARATELY FOR ANY ONE COMPLETE INTERSECTION DEPENDING UPON INTERSECTION ANGLE AND SURFACING OF EACH APPROACH ROADWAY.

SIDE ROAD SURFACING NOTE

WHEN THE SIDE ROAD IS NOT PRESENTLY PAVED, PAVEMENT SHALL BE PLACED TO THE LIMITS SHOWN UNLESS OTHERWISE PROVIDED IN THE CONTRACT. WHERE THE CONSTRUCTION LIMITS ARE BEYOND THE PAVING LIMITS, CRUSHED AGGREGATE SURFACING SHALL BE PLACED BETWEEN THE PAVING LIMITS AND CONSTRUCTION LIMITS.

WHEN THE SIDE ROAD IS PRESENTLY PAVED, NEW PAVEMENT SHALL BE PLACED TO THE LIMITS OF DESIGN AS SHOWN AND BEYOND, IF NECESSARY, TO MEET EXISTING PAVEMENT.

WHEN THE SIDE ROAD IS THE CONSTRUCTION PROJECT, THE INTERSECTION SURFACING SHALL BE THE SAME AS FOR THE PROJECT.

EXISTING PAVED SURFACE

BYPASS LANE

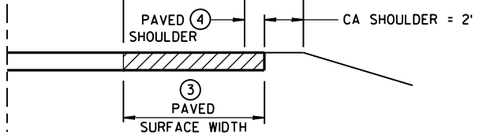
(1) 10-FT TYPICAL.

(2) 12-FT** PLUS ADDITIONAL WIDTH FOR BIKE LANE IF SHOWN ELSEWHERE IN THE PLAN.

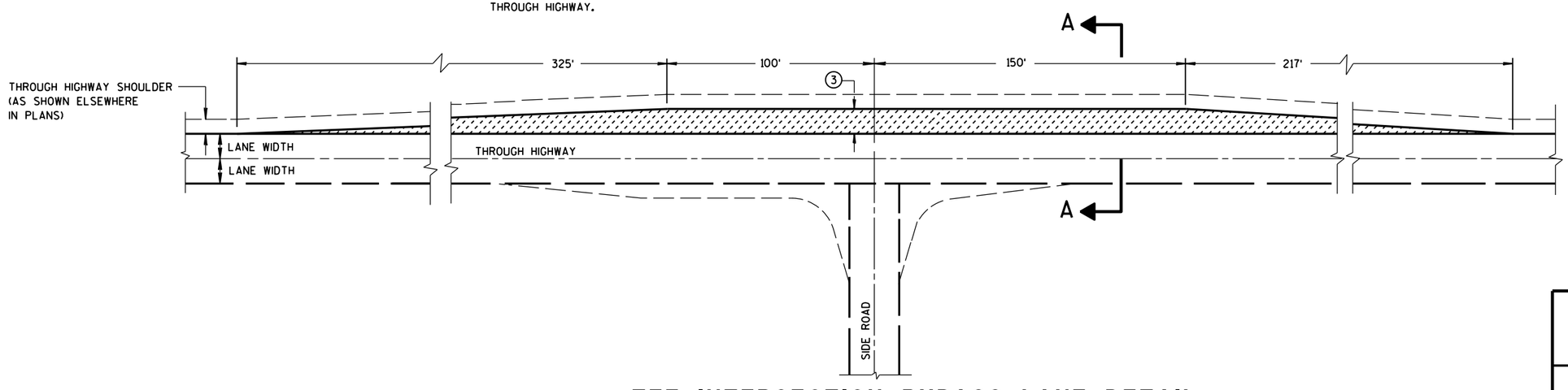
**10-FT MAY BE USED ON TYPE B2 ON RESURFACING PROJECTS IF SPECIFIED IN THE CONTRACT.

(3) BYPASS LANE PAVED SURFACE WIDTH OUTSIDE OF TRAVEL LANE
-ASPHALT = 12-FT PLUS PAVED SHOULDER WIDTH.
-PC CPNCRETE = 13-FT PLUS PAVED SHOULDER WIDTH.

(4) BYPASS LANE PAVED SHOULDER WIDTH = THE GREATER OF 1-FT OR THE PAVED SHOULDER WIDTH OF THE THROUGH HIGHWAY.



SECTION A-A
(SHOWING BYPASS LANE AND SHOULDER)



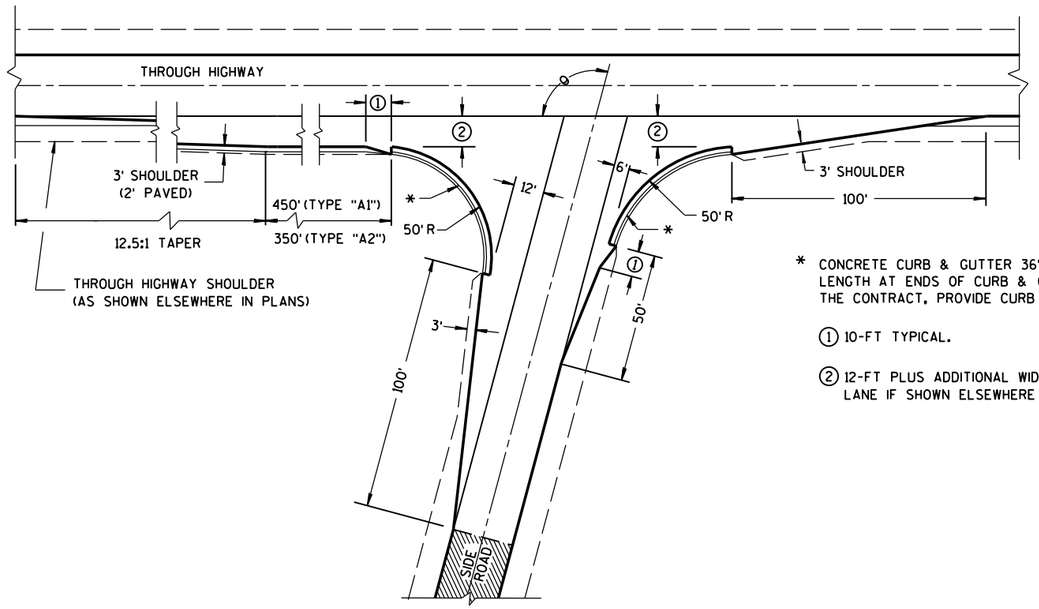
TEE INTERSECTION BYPASS LANE DETAIL

AT-GRADE SIDE ROAD INTERSECTION, TYPES "B1", "B2", "C" AND "D" AND TEE INTERSECTION BYPASS LANE

STATE OF WISCONSIN
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S.D.D. 9 A 1-13a



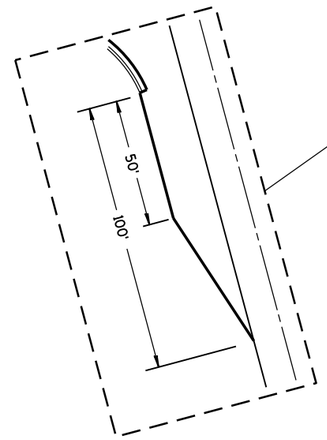
θ = MORE THAN 80°

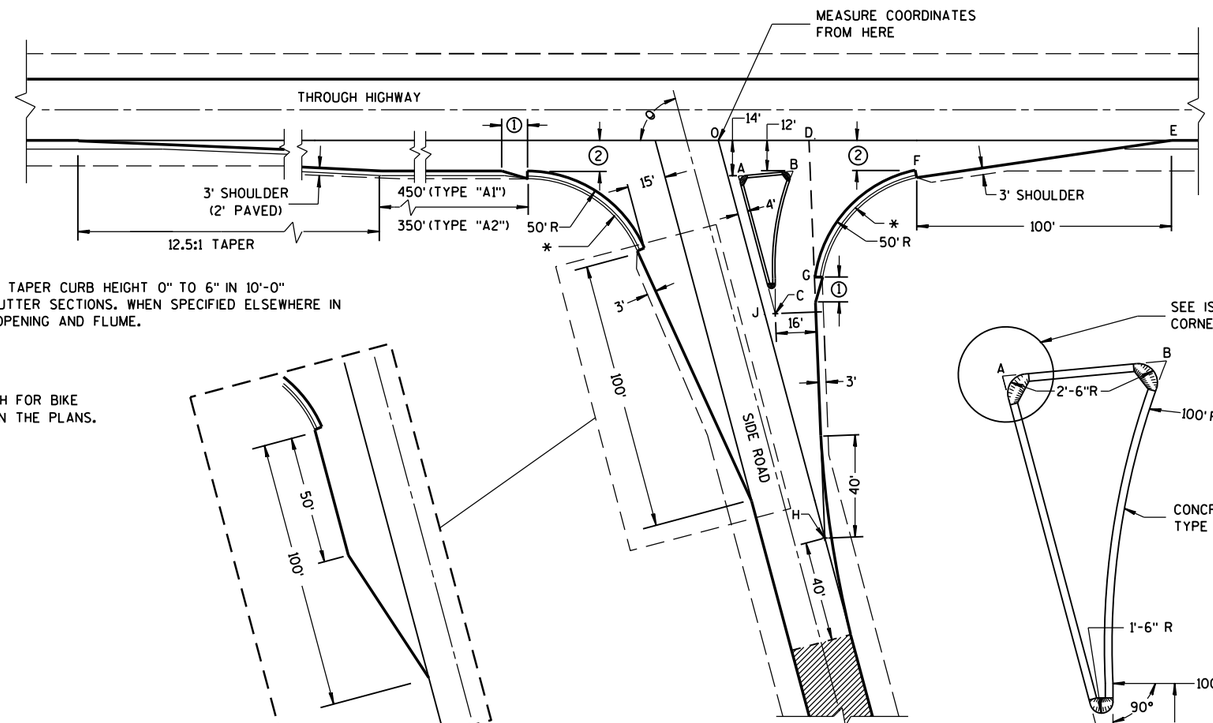
* CONCRETE CURB & GUTTER 36". TAPER CURB HEIGHT 0" TO 6" IN 10'-0" LENGTH AT ENDS OF CURB & GUTTER SECTIONS. WHEN SPECIFIED ELSEWHERE IN THE CONTRACT, PROVIDE CURB OPENING AND FLUME.

① 10-FT TYPICAL.

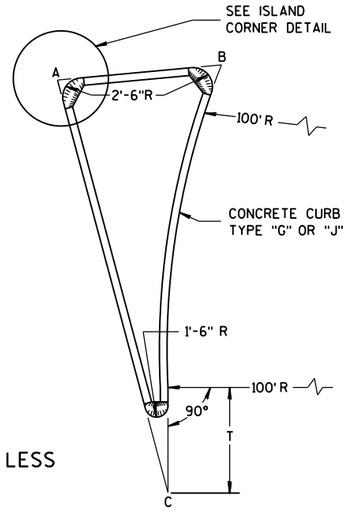
② 12-FT PLUS ADDITIONAL WIDTH FOR BIKE LANE IF SHOWN ELSEWHERE IN THE PLANS.

EXISTING PAVED SURFACE

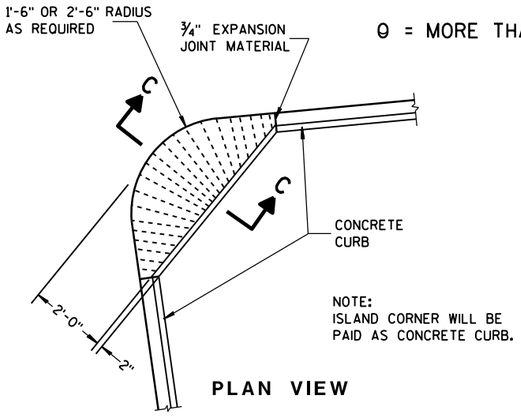




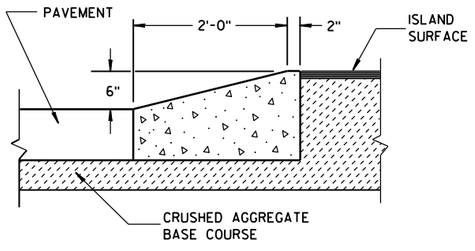
θ = ACUTE ANGLES 80° OR LESS



SIDE ROAD WIDENING AND TAPER REQUIRED WHERE
THE THROUGH HIGHWAY CARRIES TWO-WAY TRAFFIC
θ = ACUTE ANGLES 70° OR LESS



PLAN VIEW



SECTION C-C

ISLAND CORNER DETAIL

(TO BE CONSTRUCTED AT ALL ISLAND CORNERS)

TABLE OF DIMENSIONS FOR
VARIABLE SIDE ROAD INTERSECTION ANGLES
(INTERPOLATE VALUES FOR ANGLES NOT SHOWN)

ANGLE θ DEGREES	COORDINATES IN FEET (MEASURED FROM POINT "O") X / Y								LENGTH IN FEET				
	A	B	C	D	E	F	G	H	AB	AC	T	OJ	OH
60	12.7 / -14.0	44.9 / -12.0	46.4 / -72.4	41.9 / 0.0	205.0 / 0.0	104.6 / -12.0	64.0 / -75.5	85.0 / -147.1	32.3	67.4	4.9	85.9	169.9
65	10.9 / -14.0	39.0 / -12.0	37.8 / -71.6	39.4 / 0.0	196.1 / 0.0	95.7 / -12.0	54.1 / -71.5	70.5 / -151.3	28.2	63.6	8.5	80.9	166.9
70	9.4 / -14.0	33.9 / -12.0	29.8 / -70.1	37.4 / 0.0	188.3 / 0.0	87.8 / -12.0	45.6 / -67.5	56.1 / -154.2	24.6	59.7	11.5	76.1	164.1
75	7.9 / -14.0	29.3 / -12.0	22.3 / -67.9	35.7 / 0.0	181.2 / 0.0	80.7 / -12.0	38.2 / -63.4	41.8 / -155.9	21.5	55.8	13.8	71.4	161.4
80	6.5 / -14.0	25.4 / -12.0	15.6 / -65.2	34.4 / 0.0	174.8 / 0.0	74.4 / -12.0	31.8 / -59.3	27.6 / -156.5	18.9	52.0	15.6	66.9	158.9

TYPE "A1" & "A2" SIDE ROAD INTERSECTION DETAILS

AT-GRADE SIDE ROAD
INTERSECTION, TYPE "A1" & "A2"

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DEPARTMENT OF TRANSPORTATION

APPROVED
12/18/12 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

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S.D.D. 9 A 1-13b

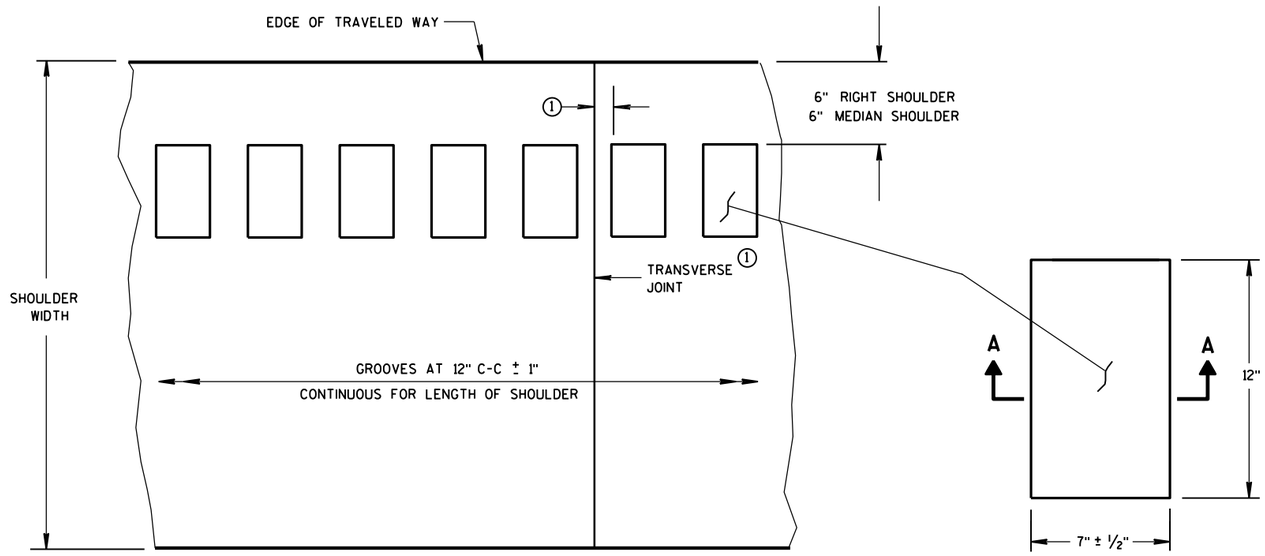
GENERAL NOTES

DETAILS OF CONSTRUCTION SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

RUMBLE STRIPS ON EXPRESSWAYS

DO NOT INSTALL RUMBLE STRIPS ACROSS SIDE ROAD INTERSECTIONS, COMMERCIAL DRIVEWAYS, PRIVATE DRIVEWAYS OR ADJACENT TO RIGHT TURN LANES, LEFT TURN LANES, TURN LANE TAPERS, BRIDGE DECKS, BRIDGE APPROACHES, OR 100 FEET IN ADVANCE OF RAILROAD CROSSING. THE ATTACHED STANDARD DETAIL DRAWING SHOWS THE LOCATION OF THE RUMBLE STRIPS AT INTERCHANGE AREAS.

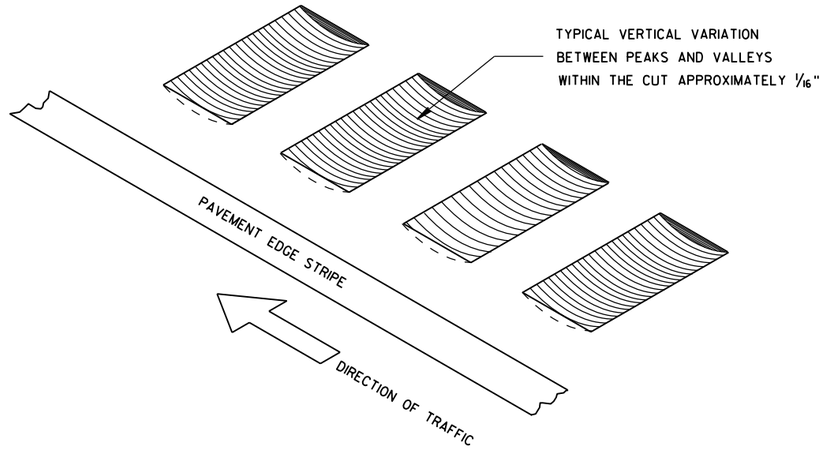
(1) CONCRETE PAVEMENT - RUMBLE STRIPS SHALL BE A MINIMUM OF 6" AWAY FROM TRANSVERSE JOINTS.



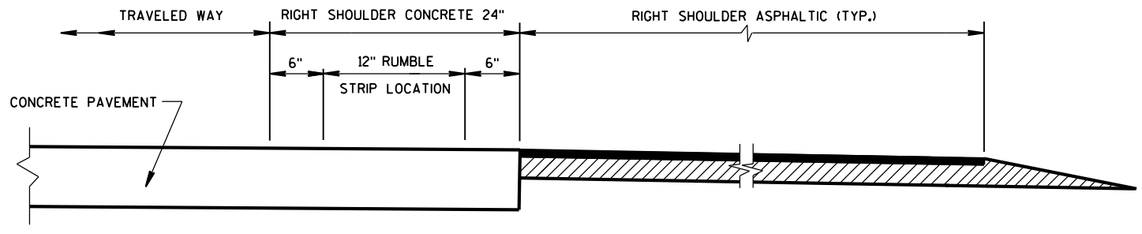
PLAN VIEW
SHOULDER WITH GROOVES

PLAN VIEW
(SINGLE GROOVE)

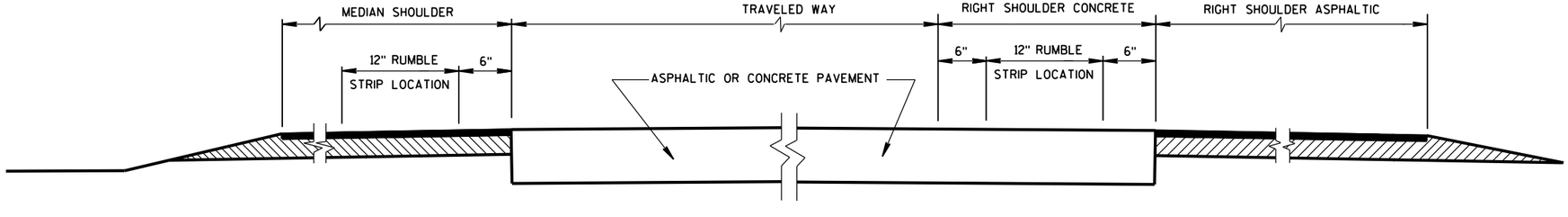
PLACEMENT DETAIL FOR MILLED RUMBLE STRIP



ISOMETRIC

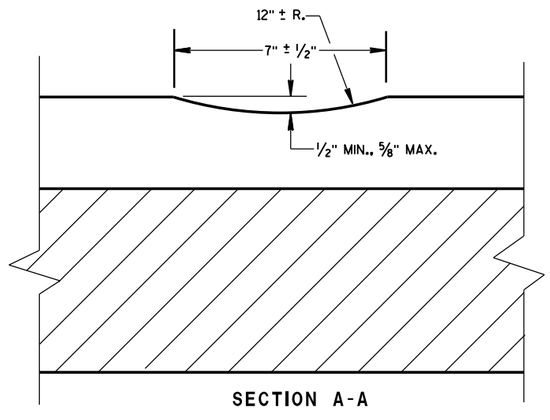


SECTION VIEW
CONCRETE PAVEMENT EXTENDS INTO RIGHT SHOULDER)



SECTION VIEW

TYPICAL LOCATIONS OF SHOULDER RUMBLE STRIPS
IN RURAL DIVIDED HIGHWAYS
(ONE ROADWAY IS SHOWN)



SECTION A-A

SHOULDER RUMBLE STRIP, MILLING

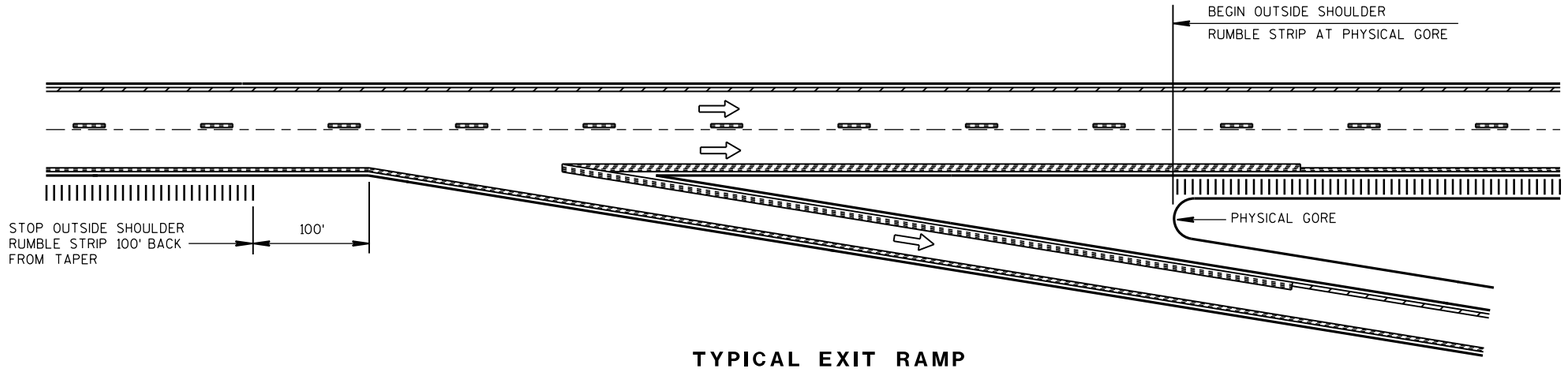
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

S.D.D. 13 A 5-5a

6

S.D.D. 13 A 5-5a



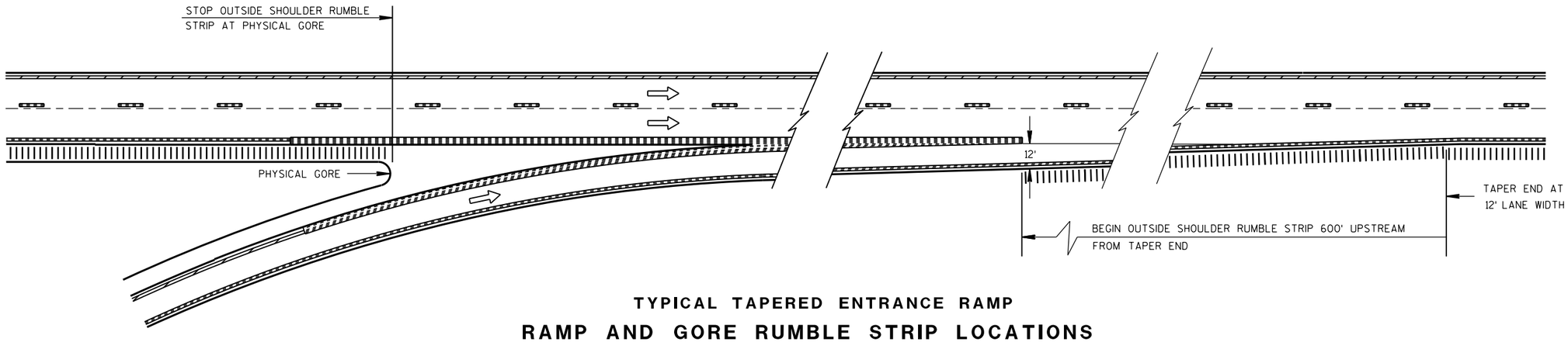
TYPICAL EXIT RAMP

NOTES:

NO RUMBLE STRIP ON EXIT, DIRECTIONAL, OR ENTRANCE RAMPS, EXCEPT NEAR THE ENTRANCE TAPER END AND ALONG THE PARALLEL RAMP AREA AS SHOWN.

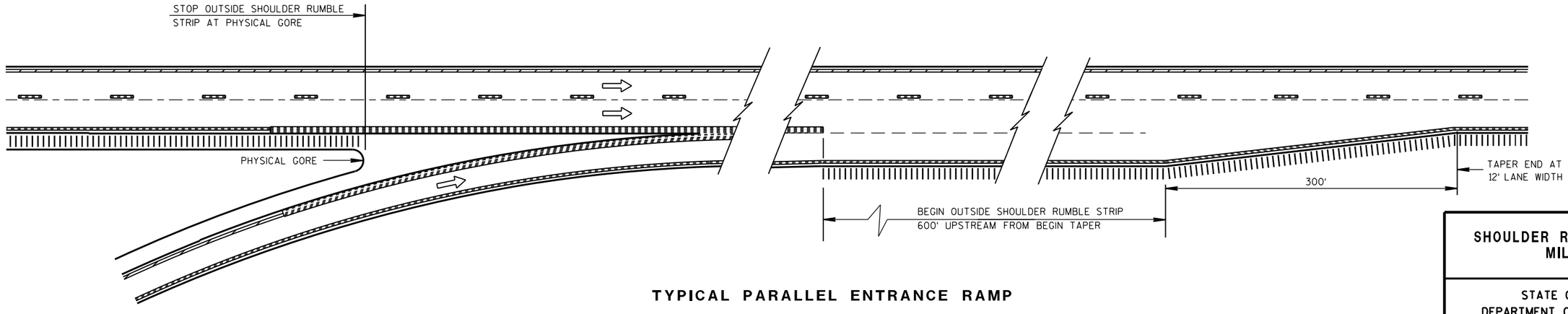
PAVEMENT MARKING DETAILS AND SPECIFICATIONS ARE PROVIDED ELSEWHERE IN THE CONTRACT.

NOTE:
ARROW SYMBOL (⇨)
SHOWS DIRECTION OF TRAVEL



TYPICAL TAPERED ENTRANCE RAMP

RAMP AND GORE RUMBLE STRIP LOCATIONS



TYPICAL PARALLEL ENTRANCE RAMP

RAMP AND GORE RUMBLE STRIP LOCATIONS

SHOULDER RUMBLE STRIP, MILLING

STATE OF WISCONSIN
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12/17/2012 DATE
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S.D.D. 13 A 5-5b

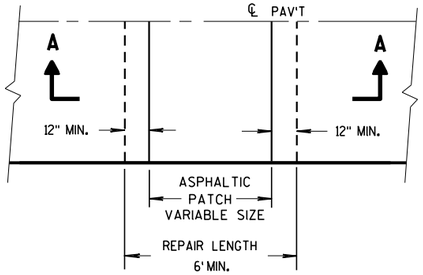
GENERAL NOTES

SAW CUT, DRILL, AND LIFT OUT EXISTING CONCRETE PAVEMENT WITHIN THE BOUNDARIES OF CONCRETE REPAIR AREAS. THE CONTRACTOR MAY MAKE ADDITIONAL SAW CUTS INSIDE THE REPAIR LIMITS TO REDUCE WEIGHT AND SIZE OF CONCRETE PIECES.

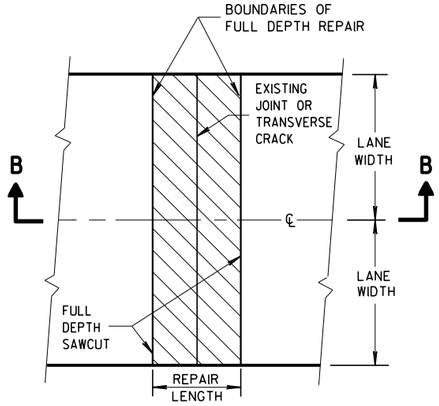
PROVIDE 6-FOOT MINIMUM DISTANCE FROM BOUNDARIES OF CONCRETE REPAIR AREAS TO ADJACENT TRANSVERSE JOINT OR CRACK.

THE LENGTH OF THE REPAIRS MAY VARY FROM THE DIMENSIONS SHOWN IF THE EXISTING CONCRETE PAVEMENT IS NONDOWELED AND THE PAVEMENT IS TO BE OVERLAID AFTER REPAIRING.

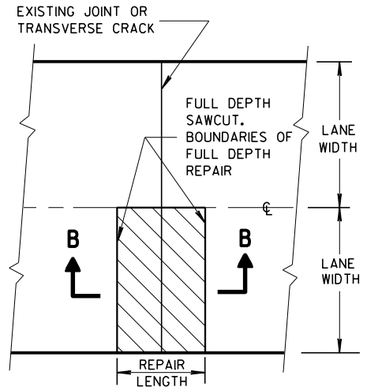
(1) DOWEL BARS MIGHT NOT EXIST.



PLAN VIEW

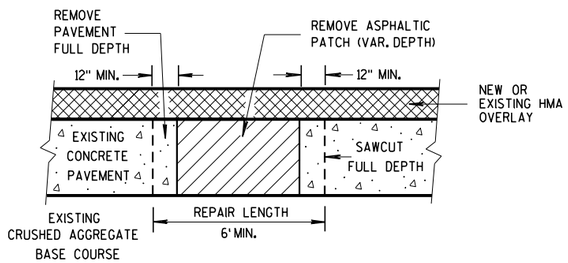


PLAN VIEW
(DOUBLE LANE REPAIR)



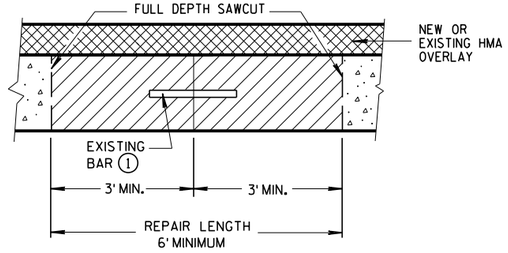
PLAN VIEW
(SINGLE LANE REPAIR)

FULL DEPTH CONCRETE PAVEMENT REMOVAL



SECTION A-A

HMA PATCH REMOVAL



SECTION B-B

CONCRETE REMOVAL

6

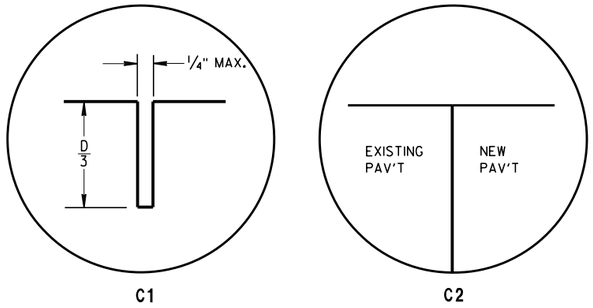
6

S.D.D. 13 C 14-7a

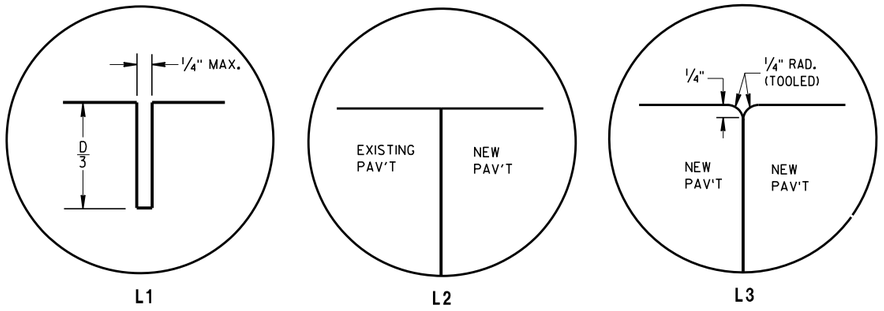
S.D.D. 13 C 14-7a

BASE PATCHING CONCRETE

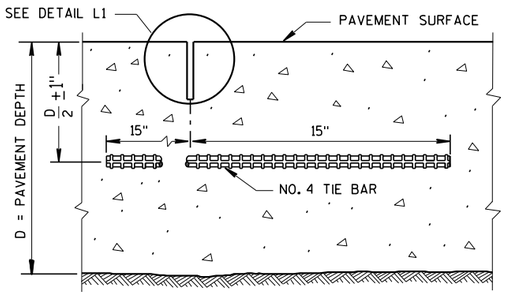
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TRANSVERSE JOINTS

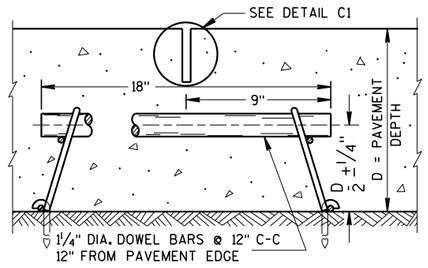


LONGITUDINAL JOINTS



SECTION C-C

SAWED LONGITUDINAL JOINT



SECTION F-F

CONTRACTION JOINT

GENERAL NOTES

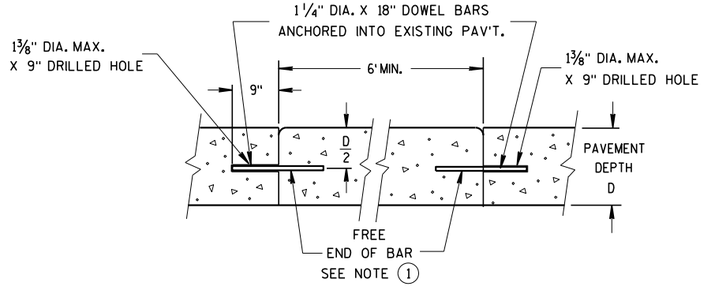
INSTALL DOWEL BARS PARALLEL TO THE PAVEMENT CENTERLINE AND PAVEMENT SURFACE.

CONCRETE BASE PATCHES OF EXISTING NONDOWELED CONCRETE PAVEMENTS DO NOT NEED TO BE DOWELED.

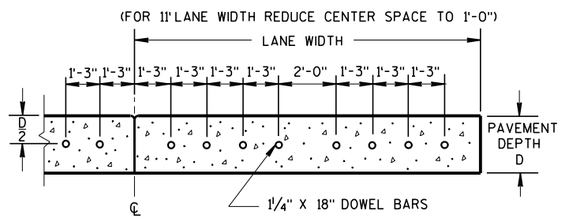
ANCHOR DOWEL BARS AND TIE BARS INTO DRILLED HOLES WITH AN EPOXY.

PROVIDE A MINIMUM DISTANCE OF 15 INCHES FROM AN EXISTING TRANSVERSE JOINT OR THE EDGE OF REPLACEMENT TO THE CENTER OF THE TIE BAR NEAREST THAT JOINT OR EDGE.

(1) APPLY A THIN UNIFORM COATING OF SURFACE TREATMENT TO THE FREE END OF DOWEL BARS TO PREVENT BONDING.

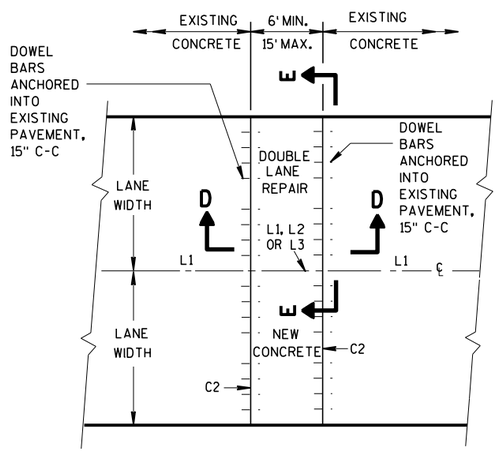


SECTION D-D



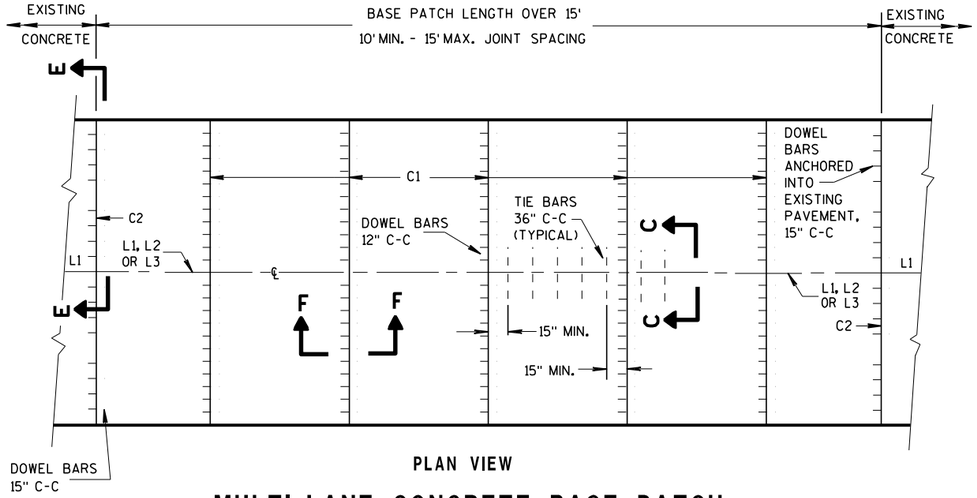
SECTION E-E

SPACING OF DOWEL BARS ANCHORED INTO EXISTING PAVEMENT



PLAN VIEW

MULTI-LANE CONCRETE BASE PATCH 15' MAXIMUM LENGTH



PLAN VIEW

MULTI-LANE CONCRETE BASE PATCH GREATER THAN 15' IN LENGTH

BASE PATCHING CONCRETE

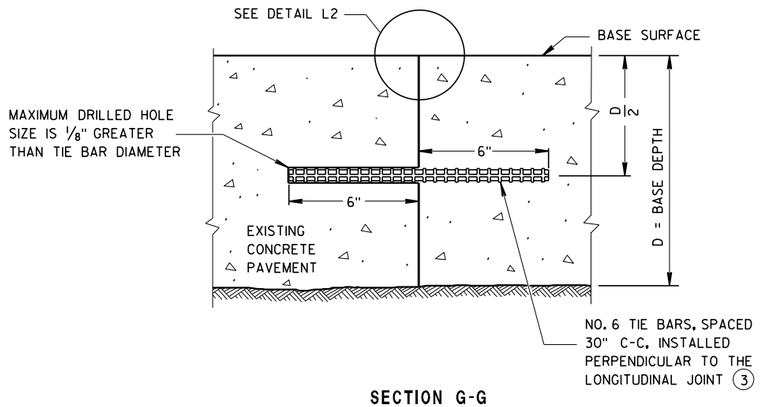
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

S.D.D. 13 C 14-7b

6

S.D.D. 13 C 14-7b



SECTION G-G

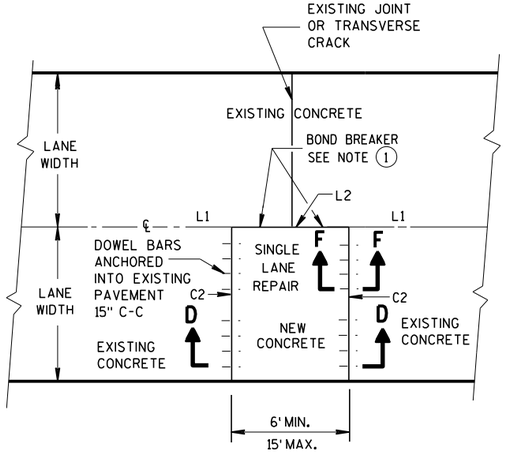
TIE BARS ANCHORED INTO EXISTING PAVEMENT

GENERAL NOTES

(1) USE AN ENGINEER-APPROVED BOND BREAKER (E.G. RELEASE AGENT, CURING COMPOUND) FOR SINGLE LANE BASE PATCHES UP TO 15 FEET IN LENGTH.

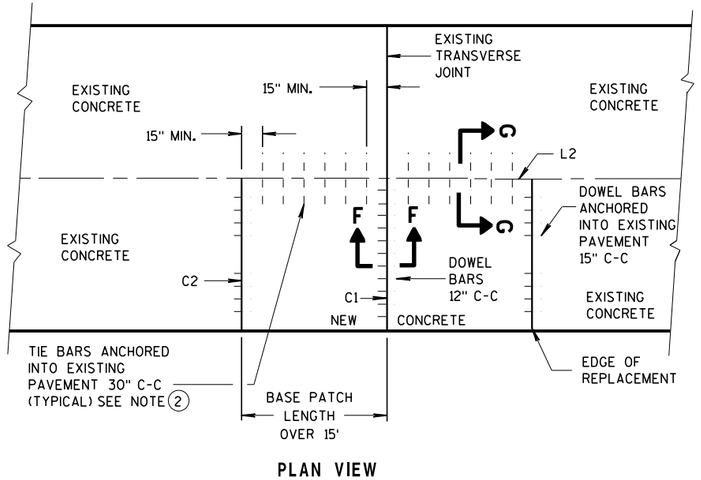
(2) WITH THE APPROVAL OF THE ENGINEER, FOR SINGLE LANE PAVEMENT REPLACEMENTS LESS THAN 30 FEET IN LENGTH, DRILLED TIE BARS MAY BE INSTALLED ON 6:1 SKEW HORIZONTALLY, DIRECTION OF SKEW ALTERNATING WITH EACH SUCCESSIVE BAR. DRIVE SKEWED TIE BARS TO A DEPTH OF 6 INCHES IN A HOLE OF SUCH A DIAMETER AS TO PROVIDE A TIGHT DRIVEN FIT.

(3) ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.



PLAN VIEW

SINGLE LANE CONCRETE BASE PATCH 15' MAXIMUM LENGTH



PLAN VIEW

SINGLE LANE CONCRETE BASE PATCH GREATER THAN 15' IN LENGTH

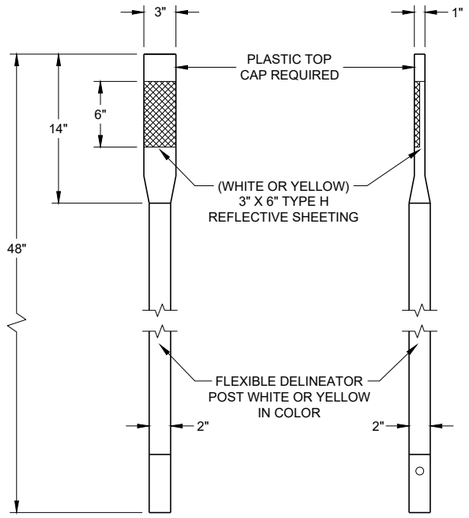
BASE PATCHING CONCRETE

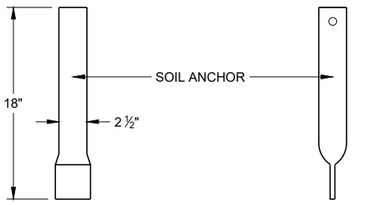
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018 — DATE
/S/ Peter Kemp P.E. — PAVEMENT SUPERVISOR
FHWA

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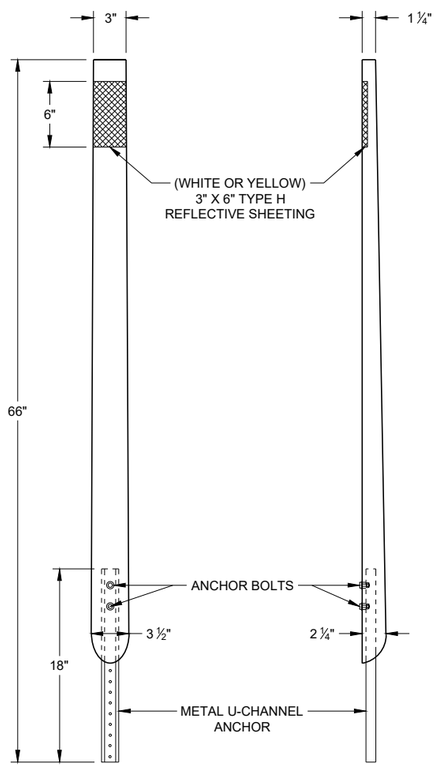
S.D.D. 13 C 14-7c





FRONT VIEW SIDE VIEW

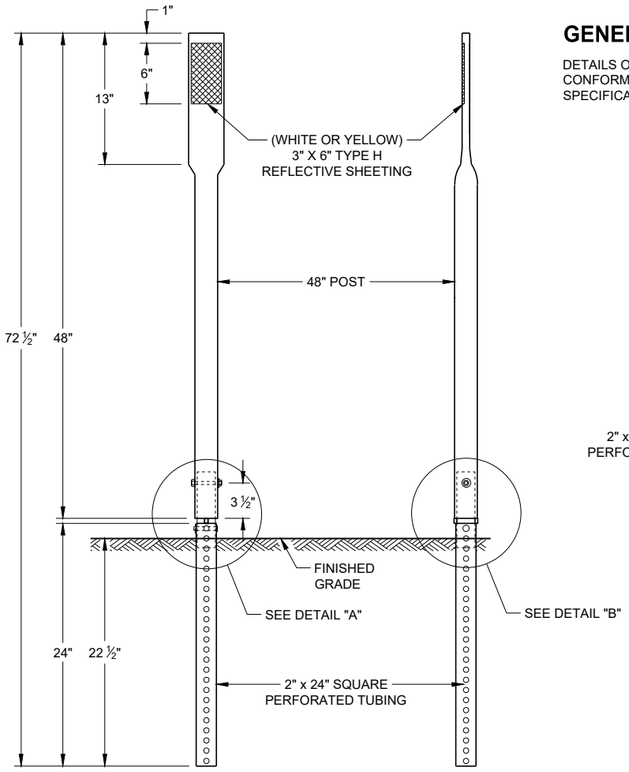
ALTERNATE 1



FRONT VIEW SIDE VIEW

ALTERNATE 2

FLEXIBLE DELINEATOR POSTS

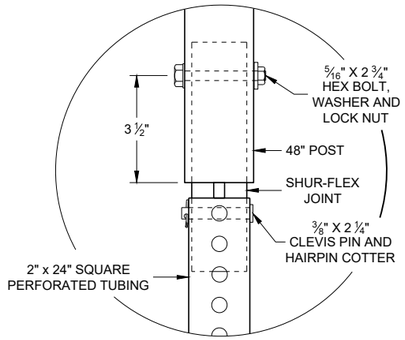


FRONT VIEW SIDE VIEW

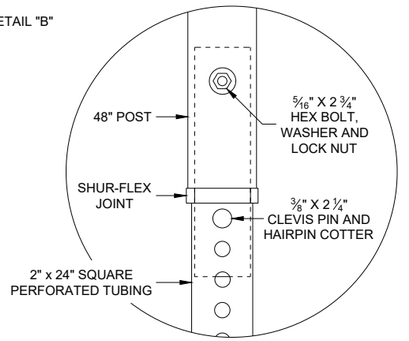
ALTERNATE 3

GENERAL NOTES

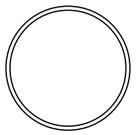
DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.



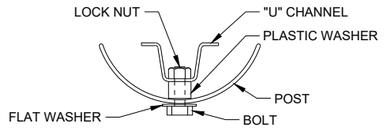
DETAIL A



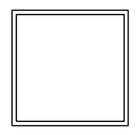
DETAIL B



SECTION A - A



SECTION B - B

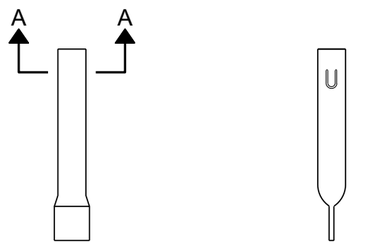


SECTION C - C

REFLECTOR SPACING TABLE

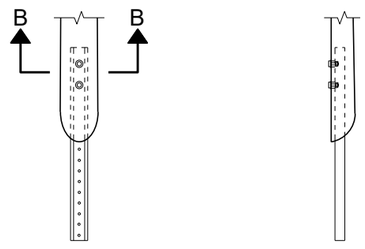
REFLECTOR SPACING	LOCATION
* 100' C-C	RAMPS
400' C-C	MAINLINE

* START AT BEGINNING OF RAMP TAPER AND END AT END OF RAMP TAPER



FRONT VIEW SIDE VIEW

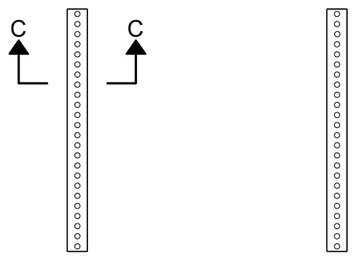
ALTERNATE 1



FRONT VIEW SIDE VIEW

ALTERNATE 2

FLEXIBLE MARKER POST ANCHORS



FRONT VIEW SIDE VIEW

ALTERNATE 3

FLEXIBLE DELINEATOR POST

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2019
DATE

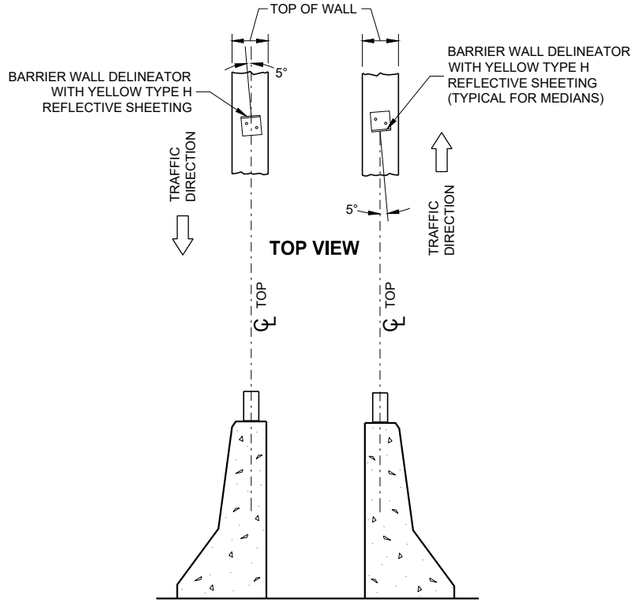
/S/ Matthew Rauch
STATE SIGNING AND MAF ENGINEER

FHWA

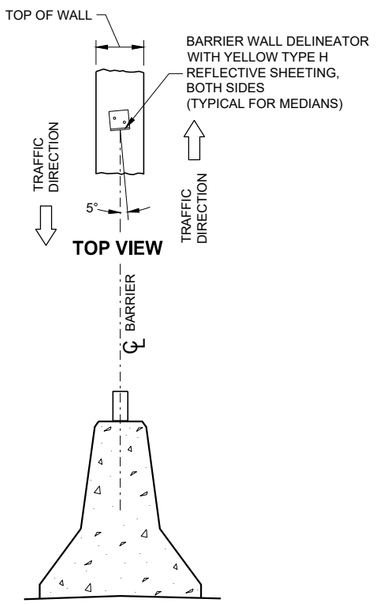
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SDD 15A04 - 05a

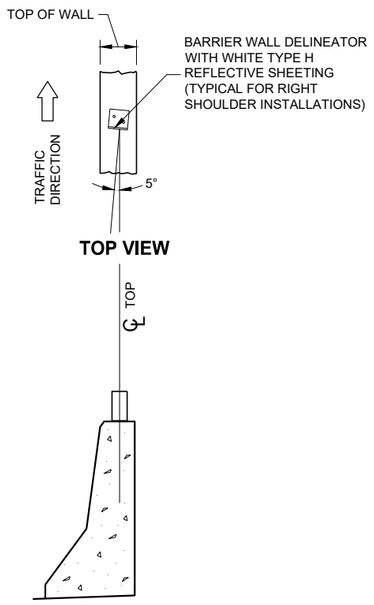
SDD 15A04 - 05a



SIDE VIEW
DOUBLE BARRIERS IN MEDIAN

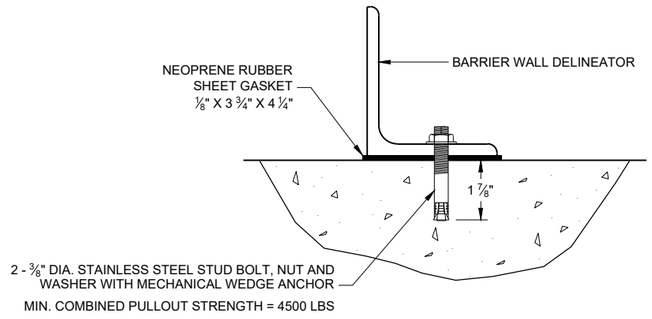


SIDE VIEW
MEDIAN BARRIER

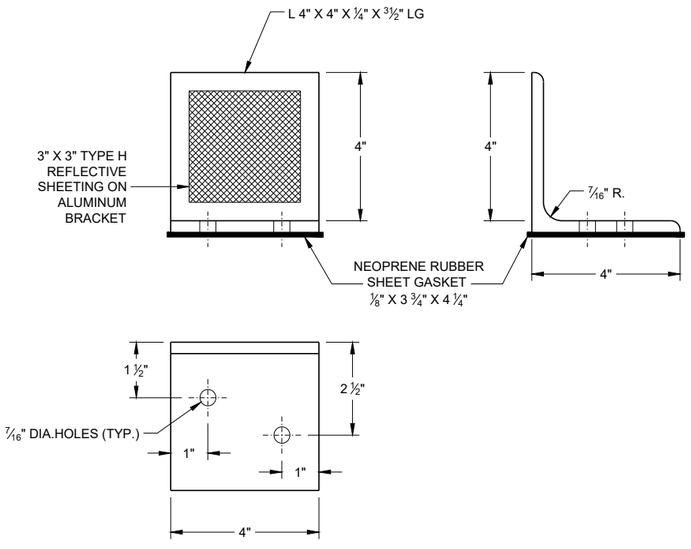


SIDE VIEW
TO RIGHT OF TRAFFIC FLOW

LOCATION AND AIMING DETAILS FOR BARRIER WALL DELINEATOR MOUNTED ON CONCRETE BARRIERS



BARRIER WALL DELINEATOR MOUNTING DETAIL



BARRIER WALL DELINEATOR

REFLECTOR SPACING TABLE

REFLECTOR SPACING	MINIMUM NUMBER OF REFLECTORS
100' C-C	3

BARRIER WALL DELINEATOR WITH REFLECTIVE SHEETING

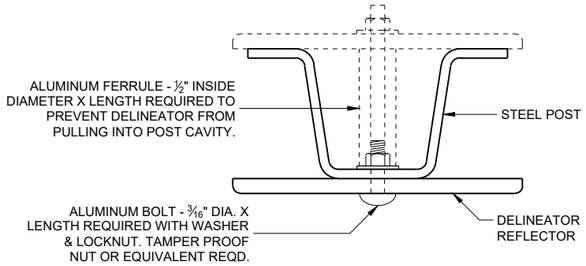
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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August 2019 — DATE
/S/ Matthew Rauch — STATE SIGNING AND MAF ENGINEER

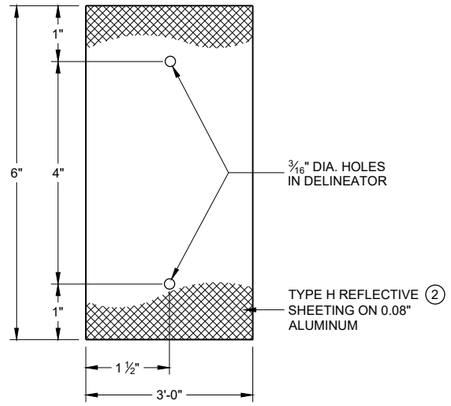
FHWA

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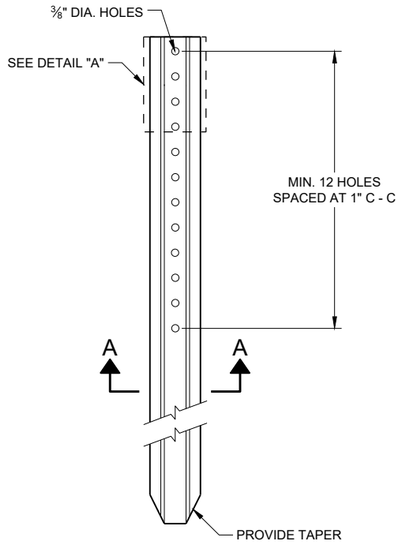
SDD 15A04 - 05b



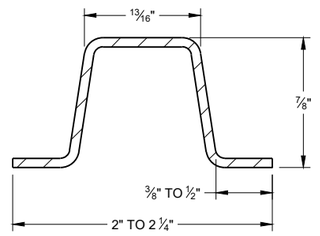
MOUNTING DETAIL FOR DELINEATOR REFLECTOR



DETAIL "A" 3" X 6" DELINEATOR REFLECTOR



DELINEATOR POST



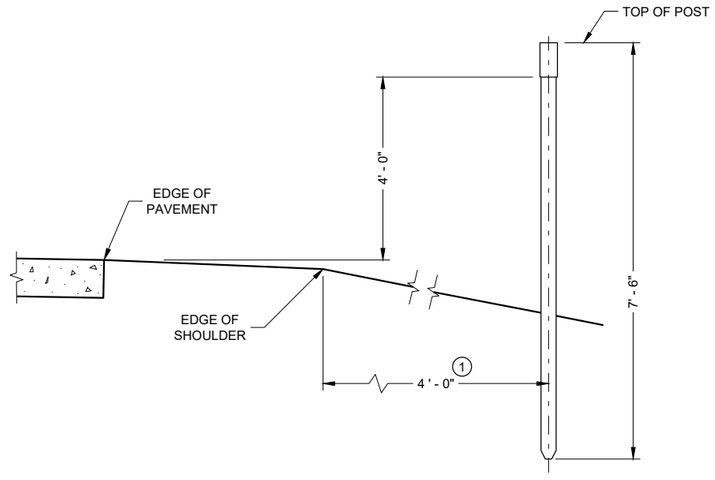
SECTION A - A

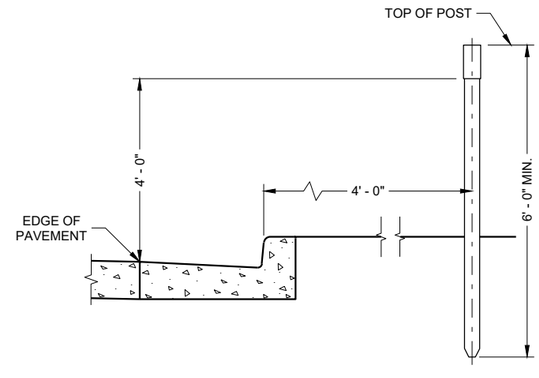
WEIGHT 1.12 LBS PER FT. \ 0.1 LB.

REFLECTOR SPACING TABLE

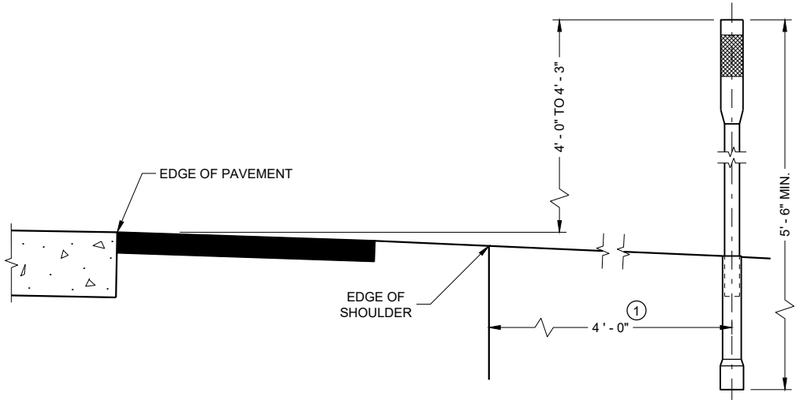
REFLECTOR SPACING	LOCATION
* 100' C-C	RAMPS
400' C-C	MAINLINE

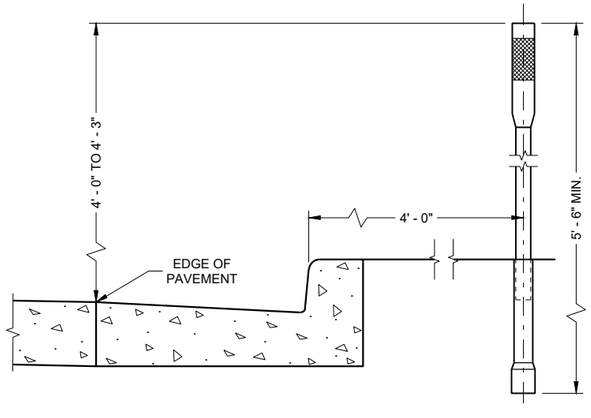
* START AT BEGINNING OF RAMP TAPER AND END AT END OF RAMP TAPER





TYPICAL INSTALLATIONS OF DELINEATOR POSTS





TYPICAL INSTALLATIONS OF FLEXIBLE DELINEATOR POSTS

GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF TEH STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

(1) DELINEATORS SHALL BE PLACED AT A CONSTANT DISTANCE FROM THE EDGE OF THE SHOULDER FOR THE LENGTH OF THE INSTALLATION.

(2) FURNISH TYPE H SHEETING FROM THE APPROVED PRODUCTS LIST.

DELINEATOR POST WITH REFLECTIVE SHEETING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2019
DATE

/S/ Matthew Rauch
STATE SIGNING AND MAF ENGINEER

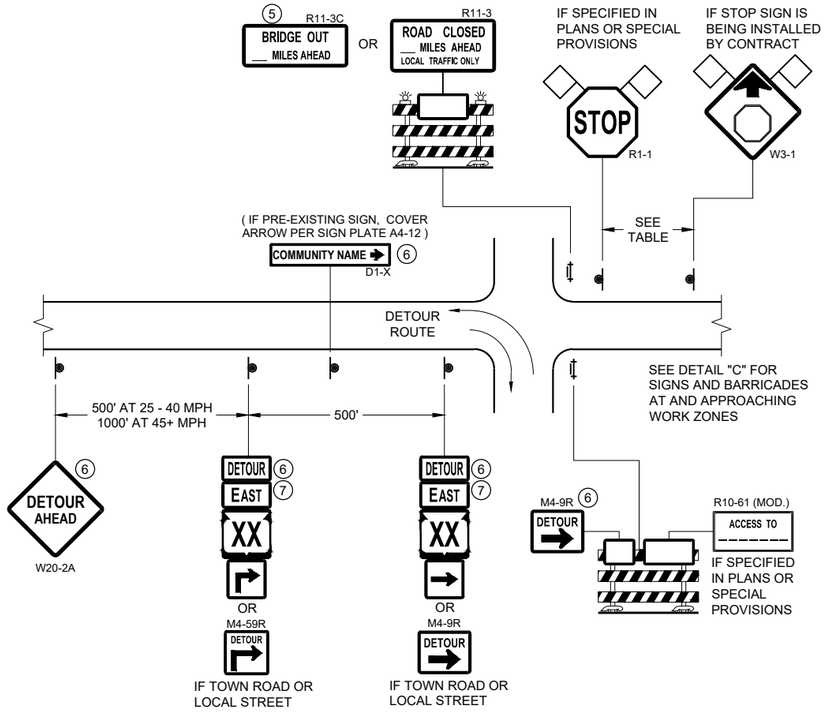
FHWA

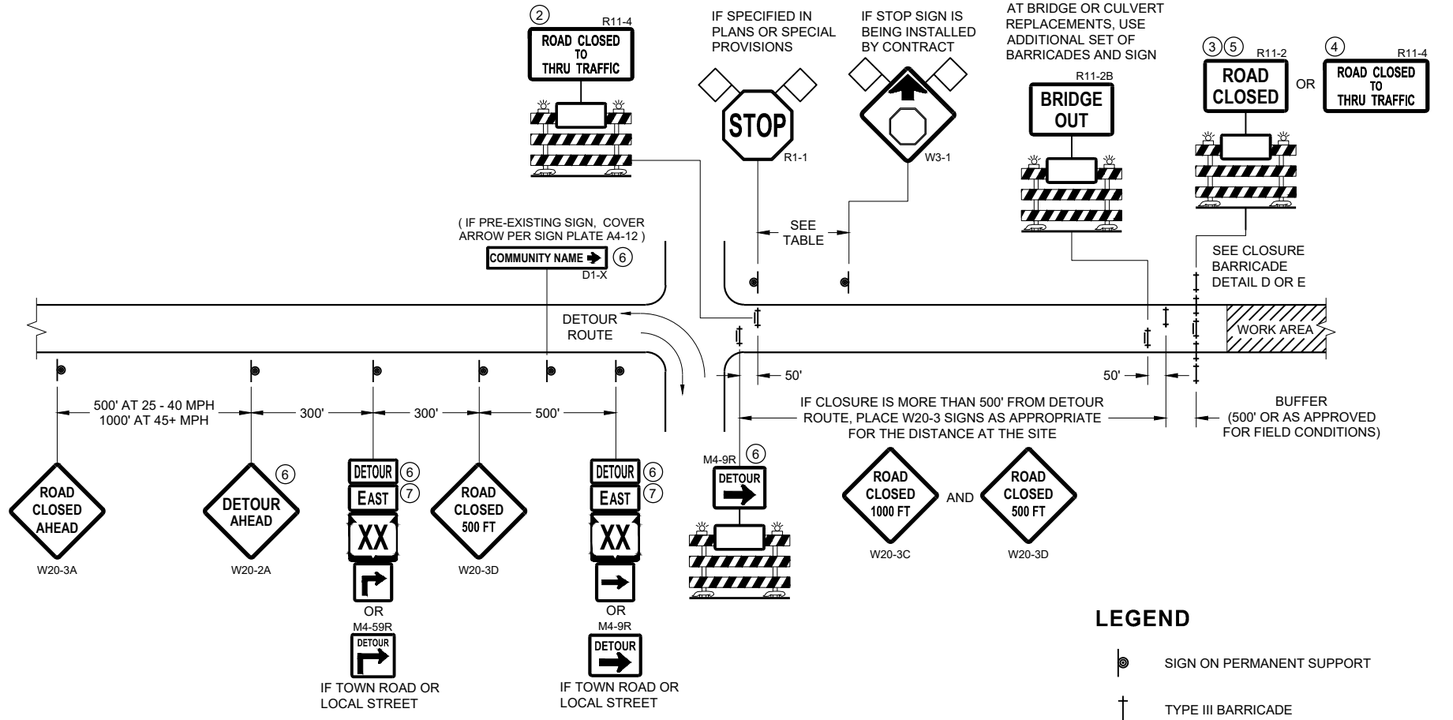
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SDD 15A04 - 05c

6

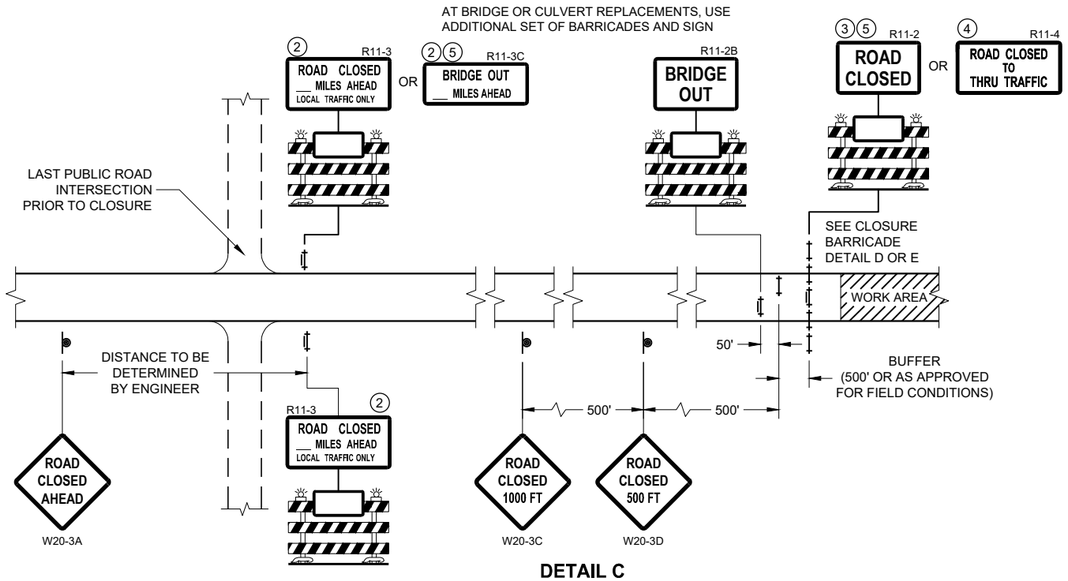
SDD 15A04 - 05c





DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR
WORK ZONE GREATER THAN OR EQUAL TO ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)

DETAIL B
MAINLINE CLOSURE WITH POSTED DETOUR
WORK ZONE LESS THAN ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)



DETAIL C
MAINLINE CLOSURE, NO POSTED DETOUR

SPEED LIMIT (MPH)	"STOP AHEAD" ADVANCE WARNING DISTANCE (FT)
25	200
30	200
35	350
40	350
45	500
50	550
55	750

SEE SDD 15C2-SHEET "b"
FOR GENERAL NOTES
AND FOOTNOTES ① THROUGH ⑦

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA
- FLAGS, 16" X 16" MIN. (ORANGE)

DETOUR M4 - 8
EAST M3 - X
XX M1 - 4 OR XX M1 - 6 OR COUNTY X M1 - 5A
M05 - 1 OR M06 - 1

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

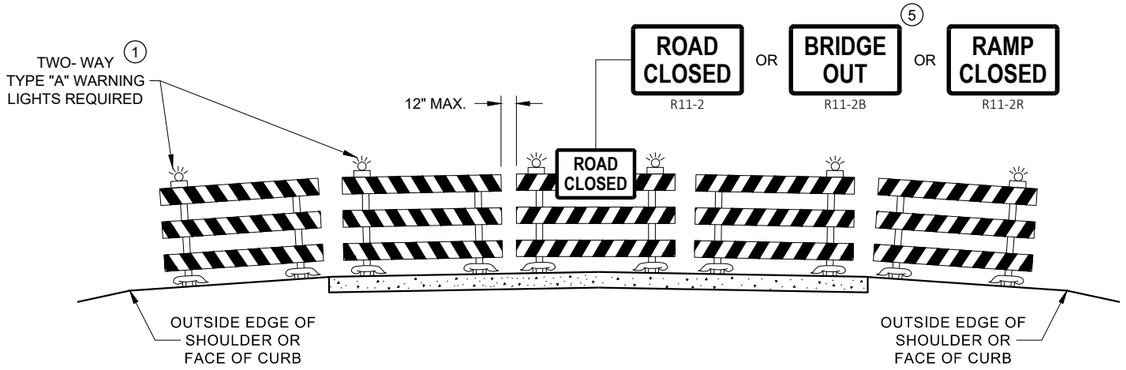
APPROVED
November 2018
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

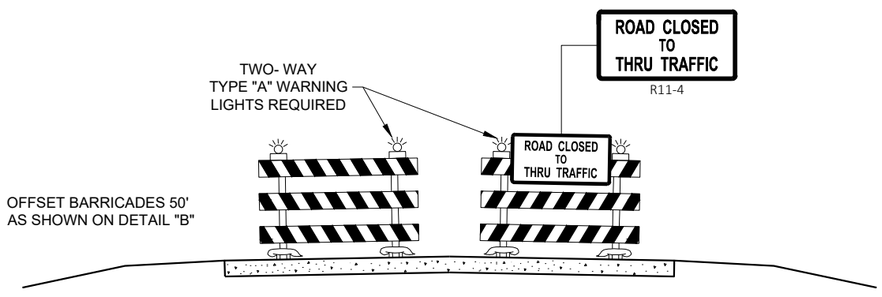
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SDD 15C02 - 07a

SDD 15C02 - 07a



DETAIL D
ROAD CLOSURE BARRICADE DETAIL
APPROACH VIEW



DETAIL E
LANE CLOSURE BARRICADE DETAIL
APPROACH VIEW

SEE SDD 15C2 - SHEET "a" FOR LEGEND

GENERAL NOTES

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

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE", SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL "D" FOR FULL ROAD CLOSURES.

TYPE "A" LOW - INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11 - 2, R11 - 3, M4 - 9, R11 - 4, AND R10 - 61 SIGNS PLACED ON THE BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE RAIL OR BOTTOM RAILS.

"WO" AND "MO" SIGNS ARE THE SAME AS "W" AND "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
- R11 - 2 SHALL BE 48" X 30"
- R11 - 3 SHALL, R11 - 4 AND R10 - 61 SHALL BE 60 " X 30"
- M4 - 9 SHALL BE 30" X 24"
- M3 - X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M4 - 8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M1 - 4, M1 - 5A AND M1 - 6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS)
- MO5 - 1 AND MO6 - 1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)
- D1 - X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.
- R1 - 1 SHALL BE 36" X 36"

(1) TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8 FOOT LIGHT SPACING.

(2) THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT AN INTERSECTION.

(3) FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "D".

(4) FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "E".

(5) FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11 - 2 AND R11 - 3 SIGNS.

(6) INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS, PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE SIGNS AS SHOWN.

(7) "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

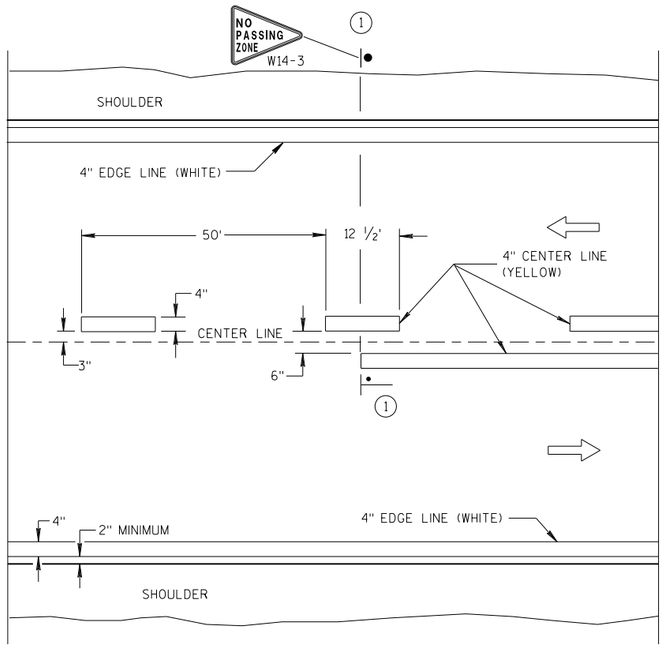
BARRICADES AND SIGNS FOR VARIOUS CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

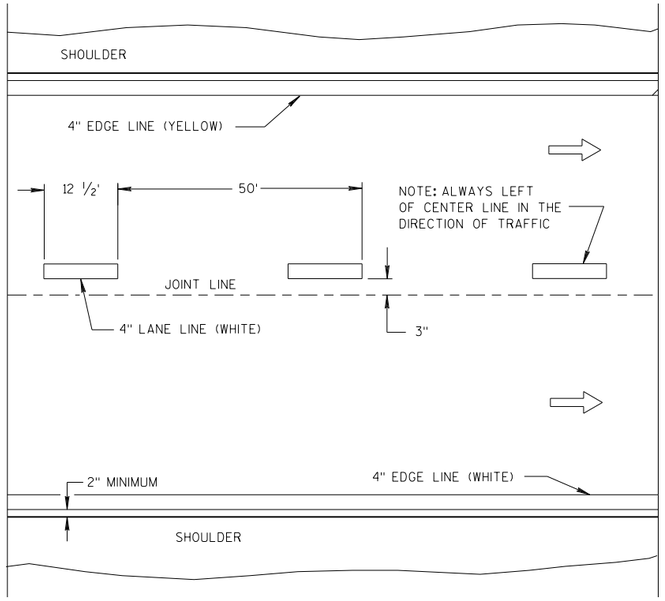
APPROVED
November 2018
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEE
FHWA

6

SDD 15C02 - 07b



TWO WAY TRAFFIC



ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING

GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

(1) LOCATE THE NO PASSING ZONE W14-3 SIGN WITHIN 50 FEET OF THE "T" MARKING.

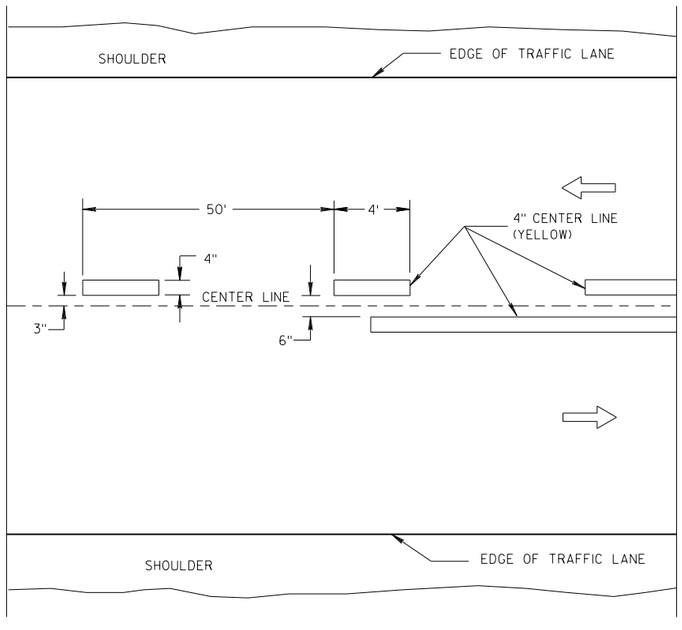
NOTE

ARROW SYMBOL (⇨) SHOWS DIRECTION OF TRAVEL

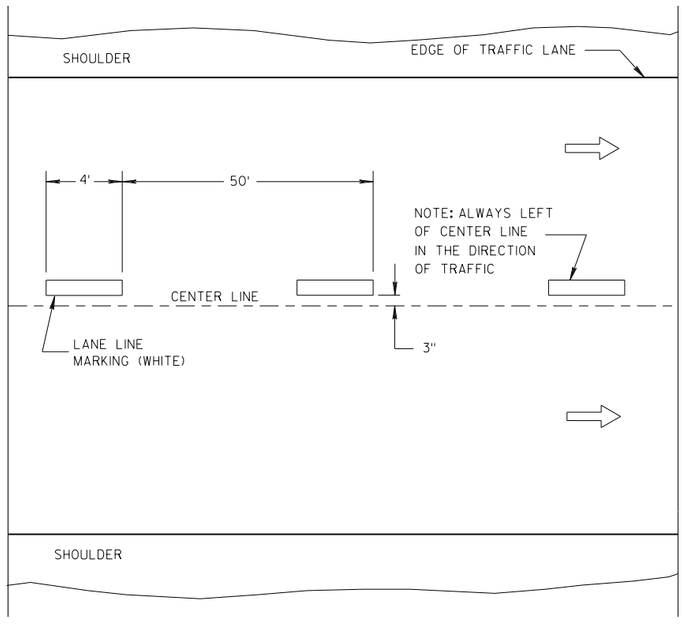
LEGEND

"T" MARKING

POST MOUNTED SIGN



TWO WAY TRAFFIC



ONE WAY TRAFFIC

TEMPORARY PAVEMENT MARKING

LONGITUDINAL MARKING (MAINLINE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7/2018 — DATE

/S/ Matthew R. Rauch — STATE SIGNING AND MARKING ENGINEER

FHWA

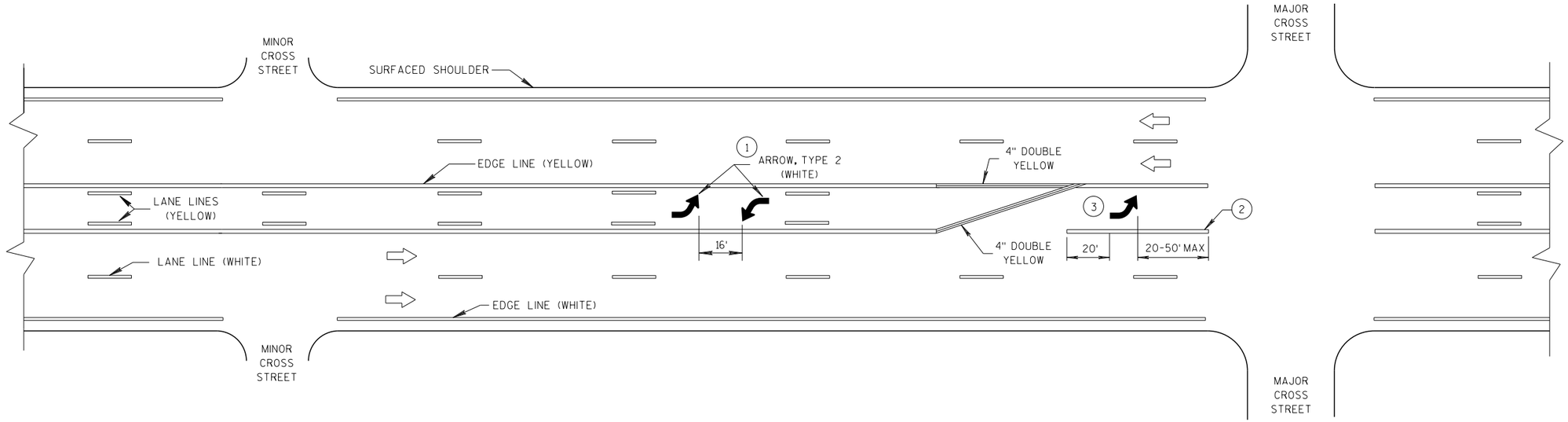
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S.D.D. 15 C 8-19a

GENERAL NOTES

1. A SET OF ARROWS IS REQUIRED EVERY 400 FEET OR NEAR INTERSECTIONS OR DRIVEWAYS WITH TURNING TRAFFIC.
2. 8" WHITE
3. TURN BAY LENGTH OF LESS THAN 48'DOES NOT REQUIRE PAVEMENT ARROWS OR TEXT

DIRECTION OF TRAFFIC



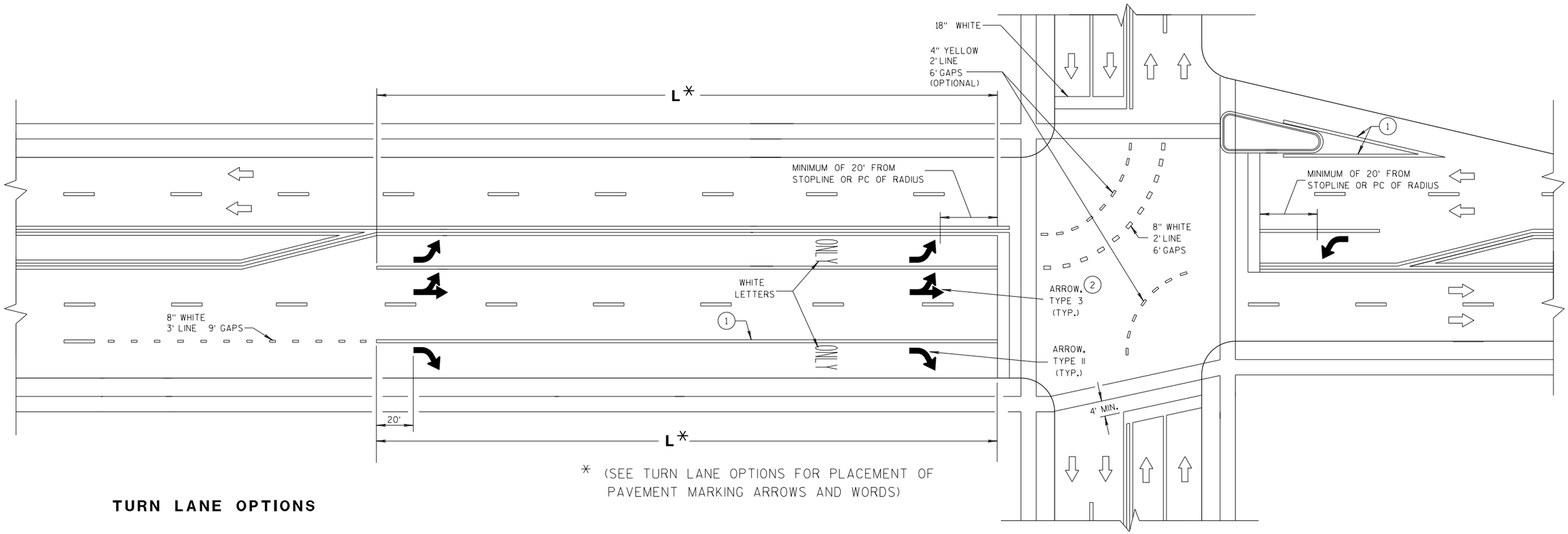
TWO WAY LEFT TURN LANE

PAVEMENT MARKING (TURN LANES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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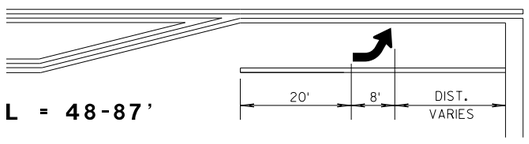
S.D.D. 15 C 8-19b



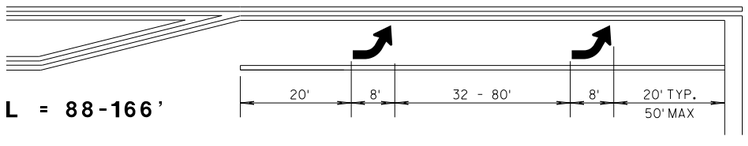
* (SEE TURN LANE OPTIONS FOR PLACEMENT OF PAVEMENT MARKING ARROWS AND WORDS)

TURN LANE OPTIONS

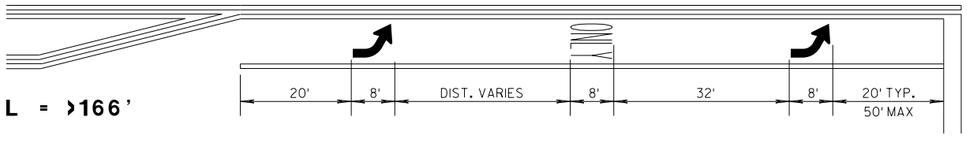
LENGTH OF TURN BAY (**L**) OF 0-47' DOES NOT REQUIRE PAVEMENT MARKING ARROWS OR WORDS



L = 48-87'



L = 88-166'



L = >166'

GENERAL NOTES

1. 8" WHITE
2. QUANTITY AND LOCATION OF TYPE 3 ARROW ARE THE SAME AS THE TYPE II ARROWS IN THE ADJACENT TURN LANE. FOR TURN LANES WITH A PHYSICAL SEPARATION, THE ARROWS AND ONLY MARKING ARE ELIMINATED.

⇨ DIRECTION OF TRAFFIC

L = LENGTH OF TURN BAY

PAVEMENT MARKING (TURN LANES)

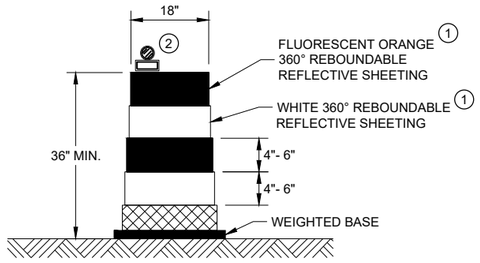
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORT

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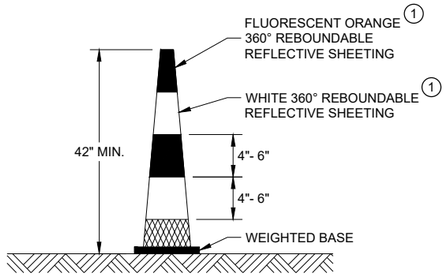
S.D.D. 15 C 8-19c

GENERAL NOTES

1. REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.
2. LOCATION OF WARNING LIGHTS WHEN SHOWN ON THE PLAN.

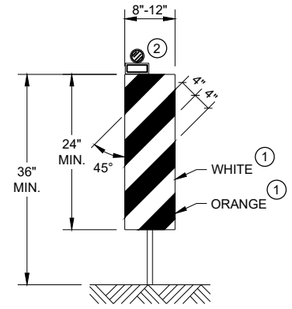


DRUM



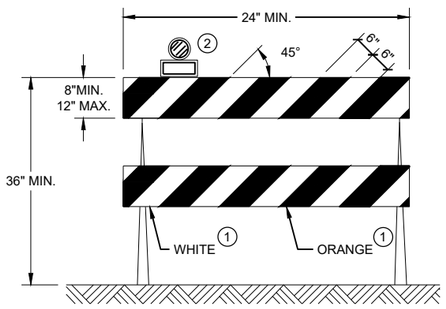
42" CONE

DO NOT USE IN TAPERS
½ SPACING OF DRUMS



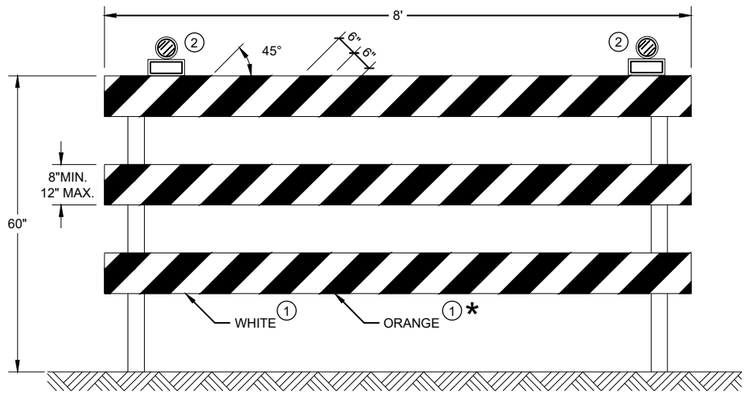
VERTICAL PANEL

THE STRIPES SHALL SLOPE DOWNWARD TO
THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE II BARRICADE

FOR RAILS LESS THAN 36" LONG, 4" WIDE STRIPES
MAY BE USED. ALL STRIPES SHALL SLOPE DOWNWARD
TO THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE III BARRICADE

IF SIGN MOUNTED, DO NOT COVER MORE THAN 50% OF THE TOP
TWO RAILS OR 33% OF THE TOTAL AREA OF THE THREE RAILS.

* IF USED FOR A PERMANENT APPLICATION USE RED SHEETING.

CHANNELIZING DEVICES
DRUMS, CONES, BARRICADES
AND VERTICAL PANELS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

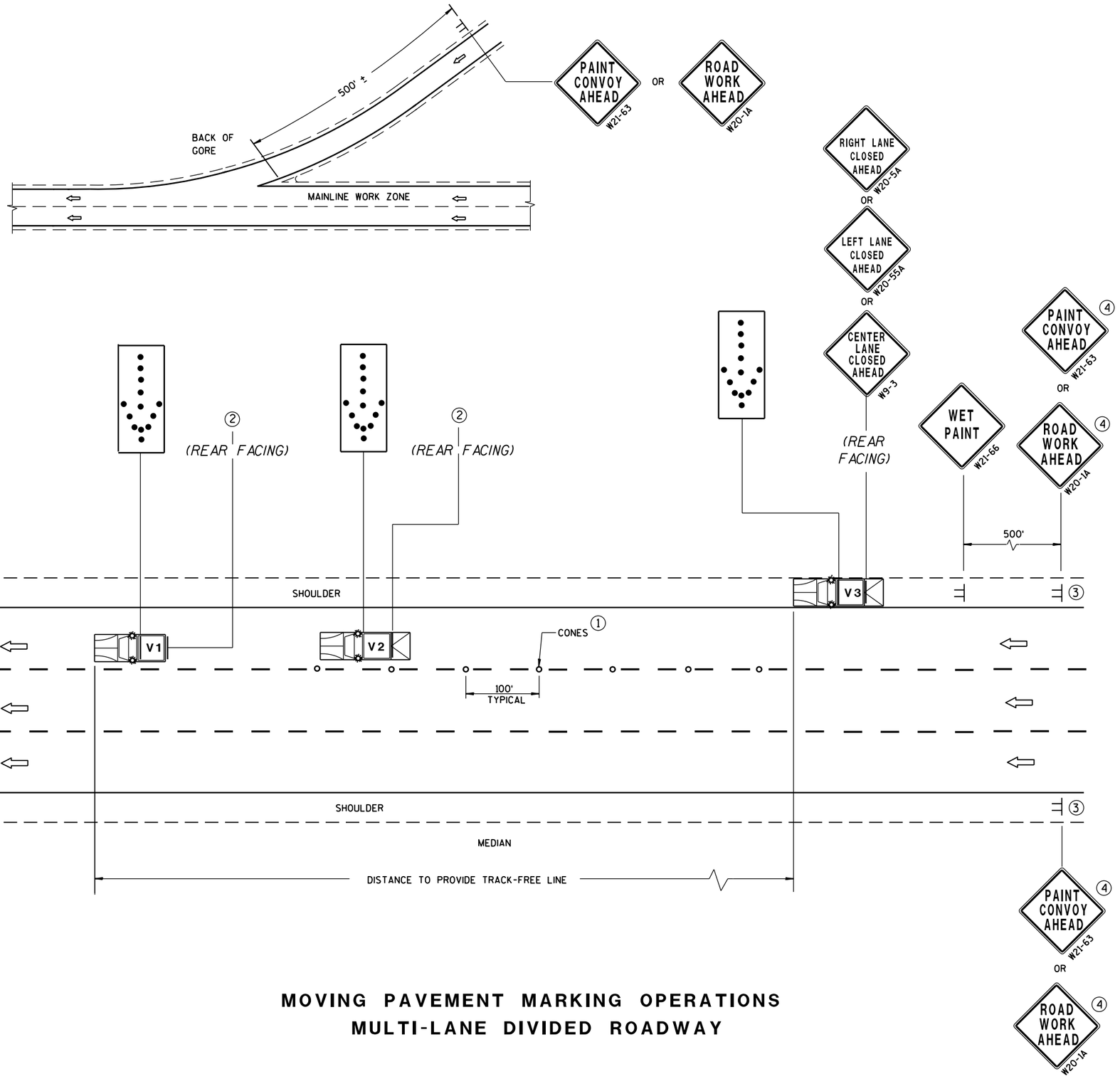
APPROVED
June 2017 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEE
FHWA

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SDD 15C11 - 07b

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SDD 15C11 - 07b



MOVING PAVEMENT MARKING OPERATIONS
MULTI-LANE DIVIDED ROADWAY

GENERAL NOTES

ALL VEHICLES SHALL BE EQUIPPED WITH TWO 360 DEGREE HIGH INTENSITY YELLOW FLASHING LIGHTS OR STROBE LIGHTS AND OPERATED WITH HEADLIGHTS TURNED ON.

ALL VEHICLES SHALL BE EQUIPPED WITH REAR FACING TYPE B OR C FLASHING ARROW PANEL. SIGNS PLACED ON VEHICLES MUST NOT OBSCURE THE ARROW PANEL.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE SPECIFIED.

IF SPEED LIMIT IS 40 MPH OR LESS STATIONARY SIGNS MAY BE OMITTED IF CONES ARE USED.

ALTERNATE SIGN MESSAGES, SUCH AS "PAINT CREW AHEAD" OR "ROAD PAINTING AHEAD" MAY BE USED.

DISTANCE BETWEEN VEHICLES MAY VARY ACCORDING TO TERRAIN, SIGHT DISTANCE, PAINT DRYING TIME, AND OTHER FACTORS. WHENEVER ADEQUATE STOPPING SIGHT DISTANCE EXISTS TO THE REAR, SHADOW VEHICLES SHOULD MAINTAIN THE MINIMUM DISTANCE FROM THE WORK VEHICLE AND PROCEED AT THE SAME SPEED AS THE WORK VEHICLE. SHADOW VEHICLES SHOULD SLOW DOWN IN ADVANCE OF VERTICAL OR HORIZONTAL CURVES THAT RESTRICT SIGHT DISTANCE.

WHEN WORK ACTIVITY BLOCKS THE LEFT LANE, REVERSE TRAFFIC CONTROL.

WHEN A RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, PROVIDE ADDITIONAL TRAFFIC CONTROLS AS SPECIFIED IN THE CONTRACT OR AS APPROVED BY THE ENGINEER.

USE AN ATTENUATOR ON THE REARMOST VEHICLE THAT BLOCKS ALL OR PART OF THE TRAFFIC LANE.

FOR EDGELINE MARKING OR IF CONES ARE NOT USED, POSITION THE REARMOST SHADOW VEHICLE ON THE SHOULDER AS SHOWN IN THE MUTCD IF THE SHOULDER HAS ADEQUATE WIDTH. USE DOUBLE ARROWS WHEN CONVOY IS IN CENTER LANE ONLY.

WHEN NO WORK ACTIVITY IS TAKING PLACE, REMOVE OR TURN THE STATIONARY WARNING SIGNS AWAY FROM TRAFFIC.

THIS DRAWING SHALL BE USED FOR EDGELINE OR LANELINE MARKING FOR MULTILANE DIVIDED ROADWAYS.

(1) CONES MAY BE OMITTED ON PAINTED LINE IF APPROVED BY THE ENGINEER. CONSIDER PAVEMENT MARKING DRY OR CURE TIMES AND TRAFFIC VOLUME.

(2) USE STANDARD SIGN W21-64 WITH APPROPRIATE ARROW.

WET PAINT W21-64 OR WET PAINT W21-64

(3) SIGNS SHALL BE REPEATED AFTER EVERY ON RAMP OR EVERY THREE MILES.

(4) IF CONSTRUCTION WORK ZONE SIGNS ARE IN PLACE, W20-1 OR W21-63 ARE NOT REQUIRED.

LEGEND

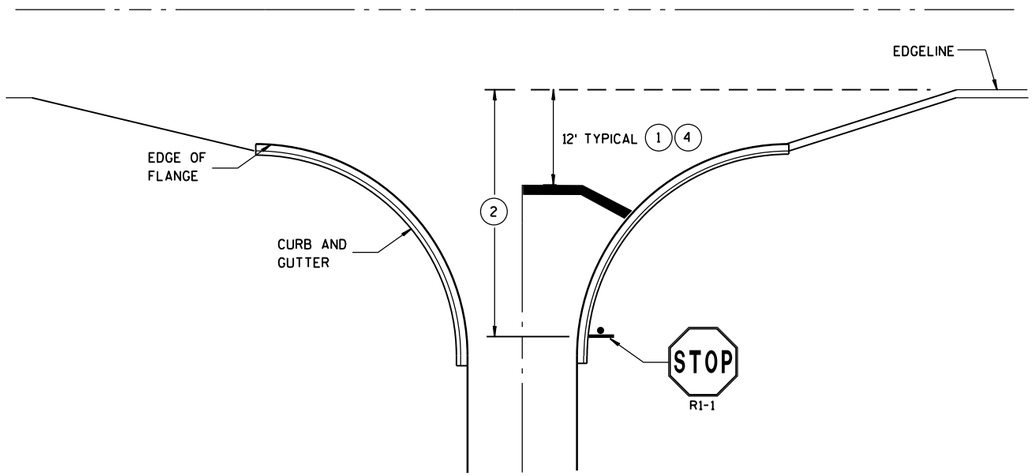
V1	LEAD VEHICLE
V2	SHADOW VEHICLE
V3	TRAIL VEHICLE WITH TMA
TMA	TRUCK-MOUNTED ATTENUATOR
	SIGN ON TEMPORARY SUPPORT
	DIRECTION OF TRAFFIC
	CONES
	FLASHING ARROW PANEL (MERGE)

MOVING PAVEMENT MARKING OPERATION
MULTI-LANE DIVIDED ROADWAY

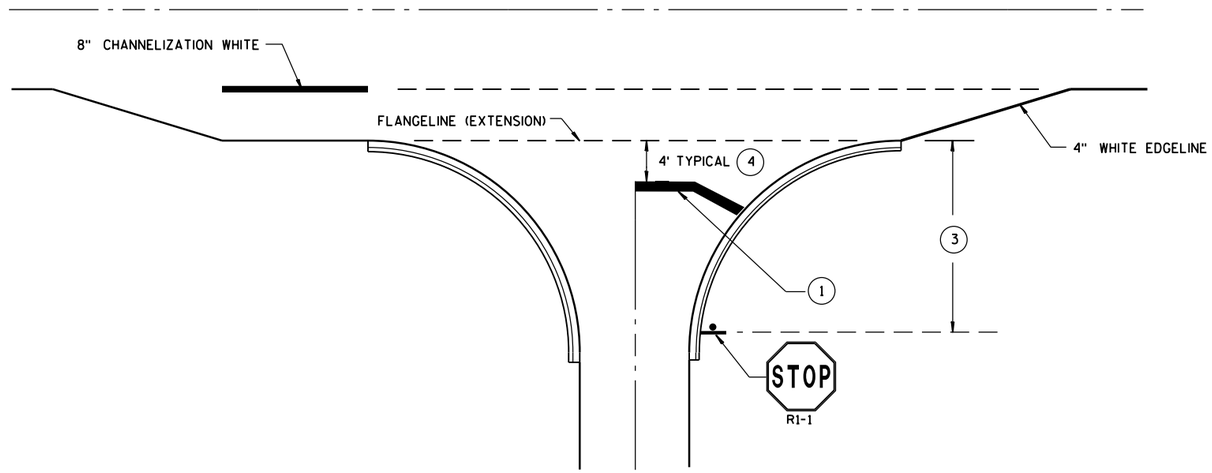
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2017 DATE
/S/ Andrew Heldtke WORK ZONE ENGR
FHWA

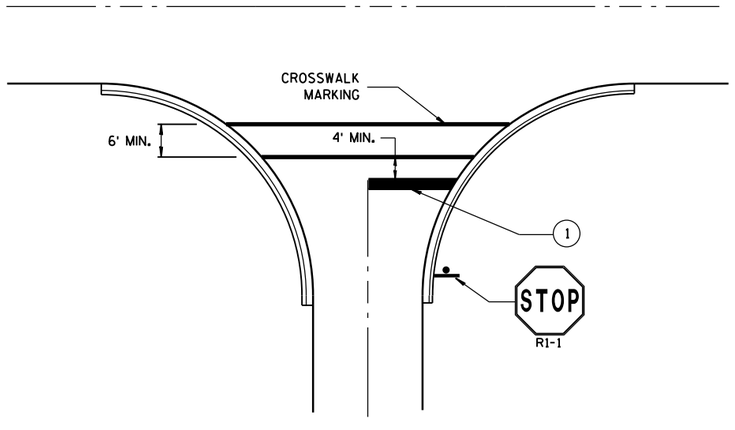
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S.D.D. 15 C 19-5c



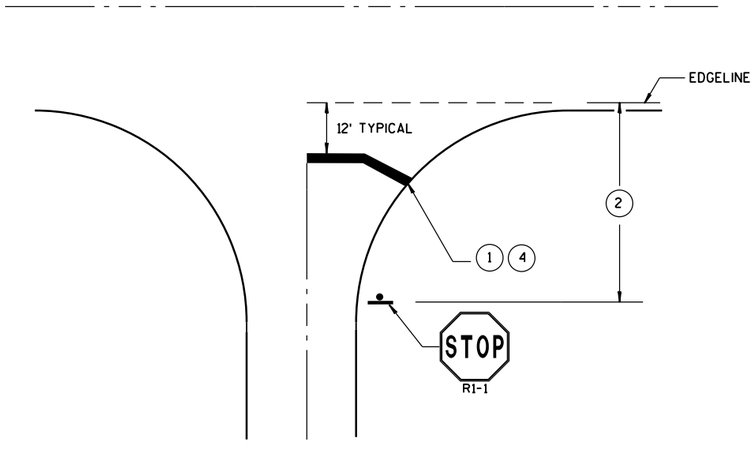
TYPICAL STOP LINE PAVEMENT MARKING WITH CURB AND GUTTER



TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH RIGHT TURN LANE



TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH CROSSWALK MARKING



TYPICAL STOP LINE PAVEMENT MARKING WITHOUT CURB AND GUTTER

GENERAL NOTES

STOP SIGN SHALL BE PLACED A MINIMUM OF 6 FEET TO A MAXIMUM OF 50 FEET FROM THE EDGELINE LOCATION.

(1) 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE PROJECT ENGINEER BASED ON VISIBILITY AND SIGHT LINES.

(2) IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE THAN NO STOP LINE IS REQUIRED.

(3) IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGELINE EXTENSION THAN NO STOP LINE IS REQUIRED.

(4) MOVE CLOSER TO EDGE OF TRAVEL LANE AS NEEDED FOR VISIBILITY AND SIGHT LINES. (NO CLOSER THAN 4 FEET).

STOP LINE AND CROSSWALK PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

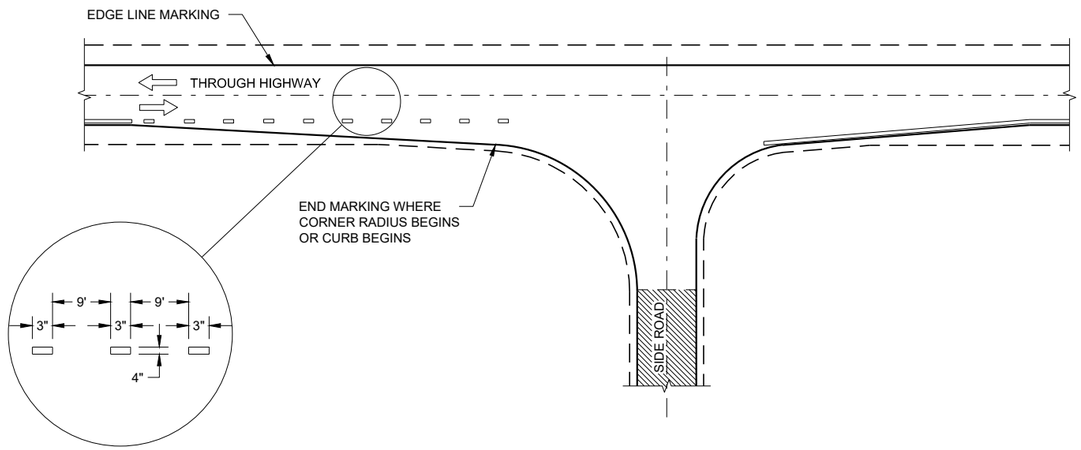
Sept., 2017 — DATE

/S/ Matthew R. Rauch — STATE SIGNING AND MAR[illegible]NEER

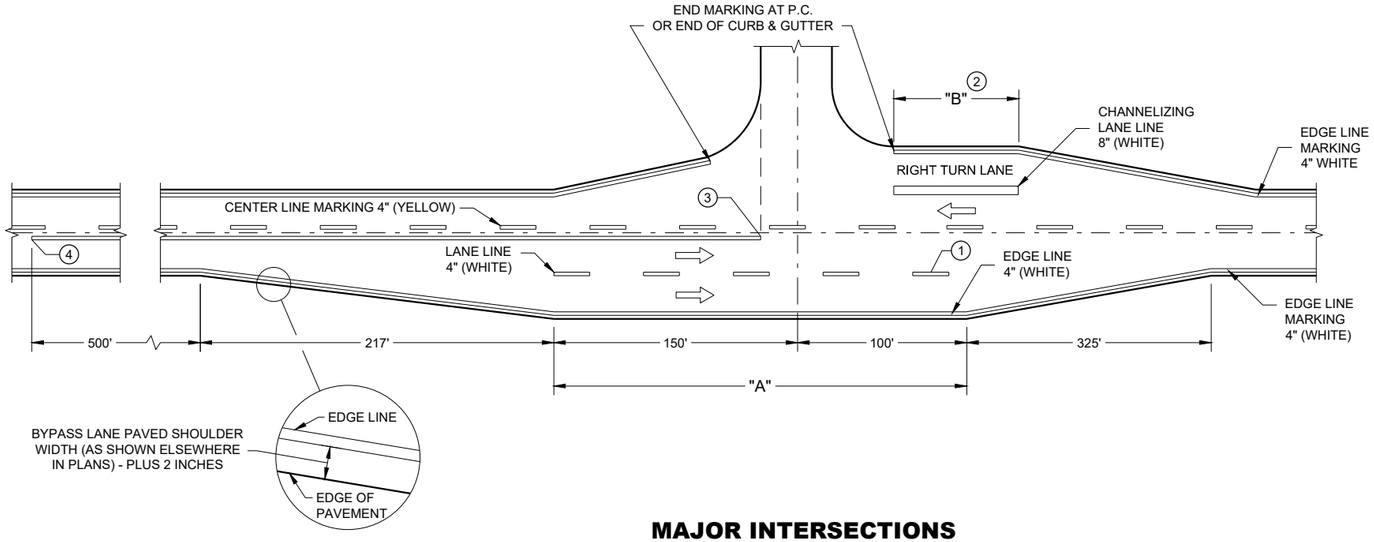
FHWA

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S.D.D. 15 C 33-3



MINOR INTERSECTION



MAJOR INTERSECTIONS

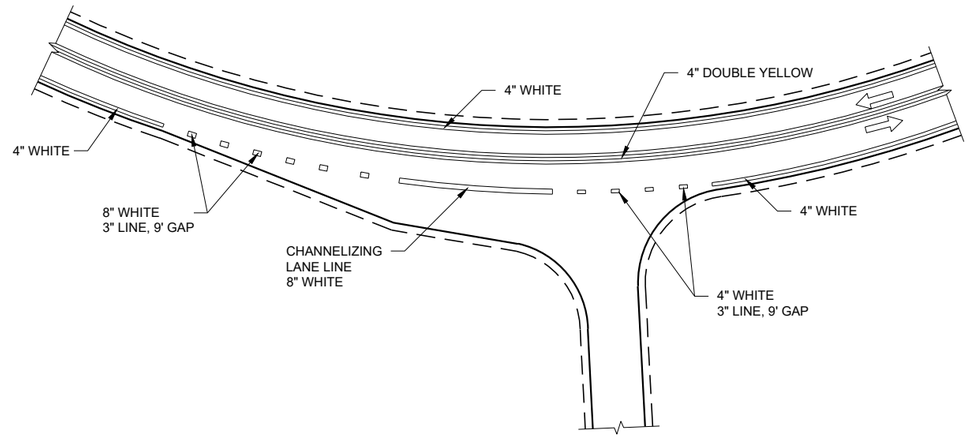
(INTERSECTION WITH FULL RIGHT TURN LANE OR BYPASS LANE)

GENERAL NOTES

OMIT EDGE LINES THROUGH INTERSECTIONS. CONTINUE EDGE LINES THROUGH DRIVEWAYS.

1. WHEN DISTANCE "A" IS LESS THAN 250 FEET, OMIT LANE LINE.
2. WHEN DISTANCE "B" IS LESS THAN 100 FEET, OMIT CHANNELIZING LANE LINE.
3. BARRIER LINE ENDS AT SIDE ROAD PAVEMENT / SURFACE EDGE EXTENSION.
4. BARRIER LINE STARTS 500 FEET PRIOR TO THE BYPASS TAPER

ARROW SYMBOL (⇨) SHOWS DIRECTION OF TRAVEL



INTERSECTION ON OUTSIDE OF CURVE

6

6

SDD 15C35 - 03a

SDD 15C35 - 03a

PAVEMENT MARKING (INTERSECTIONS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

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

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS.

THIS LANE CLOSURE IS TYPICAL FOR CLOSING RIGHT LANE - REVERSE FOR CLOSING LEFT LANE.

ALL SIGNS ARE 48" x 48" UNLESS OTHERWISE NOTED.

"WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED OR AS APPROVED BY THE ENGINEER.

FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

REMOVE PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

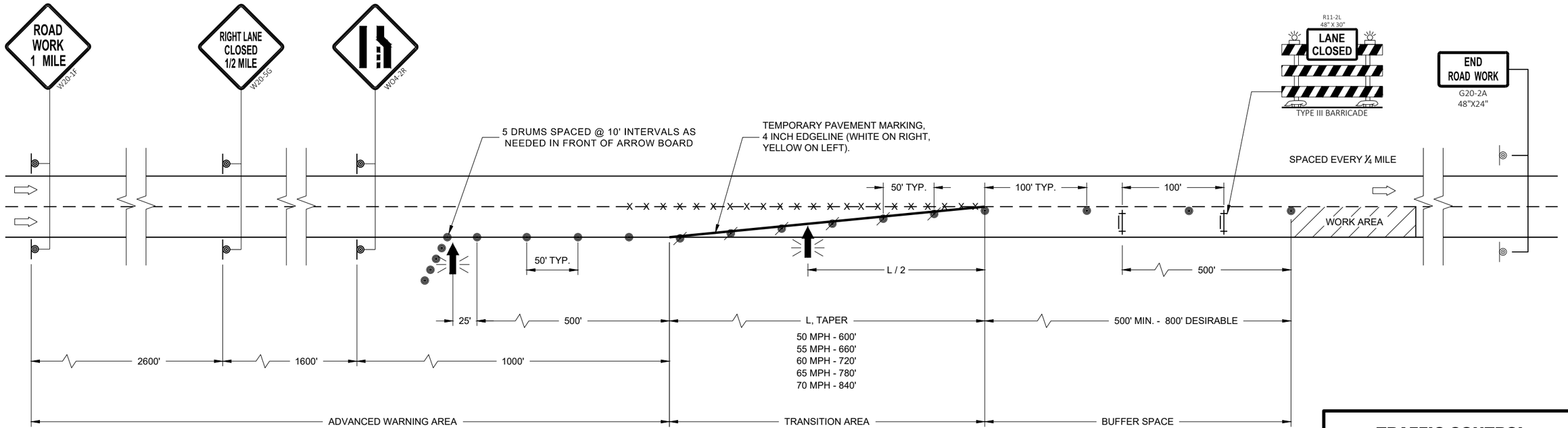
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE CLOSURE OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP OR INTERSECTION. THE LANE CLOSURE MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE ONE HALF THE LENGTH OF THE TRANSITION AREA. THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL CHANGE SUCH AS A CROSSOVER MANEUVER.

CONSIDER ROADWAY GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS.

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL DRUM
- TYPE "A" WARNING LIGHT (FLASHING)
- REMOVING PAVEMENT MARKING
- DIRECTION OF TRAFFIC
- WORK AREA
- FLASHING ARROW BOARD



TRAFFIC CONTROL LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

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SDD 15D12 - 07a

6

SDD 15D12 - 07a

GENERAL NOTES

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

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS.

THIS LANE CLOSURE IS TYPICAL FOR CLOSING RIGHT LANE - REVERSE FOR CLOSING LEFT LANE.

ALL SIGNS ARE 48" x 48" UNLESS OTHERWISE NOTED.

"WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED OR AS APPROVED BY THE ENGINEER.

CONSIDER ROADWAY GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS.

FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

REMOVE PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

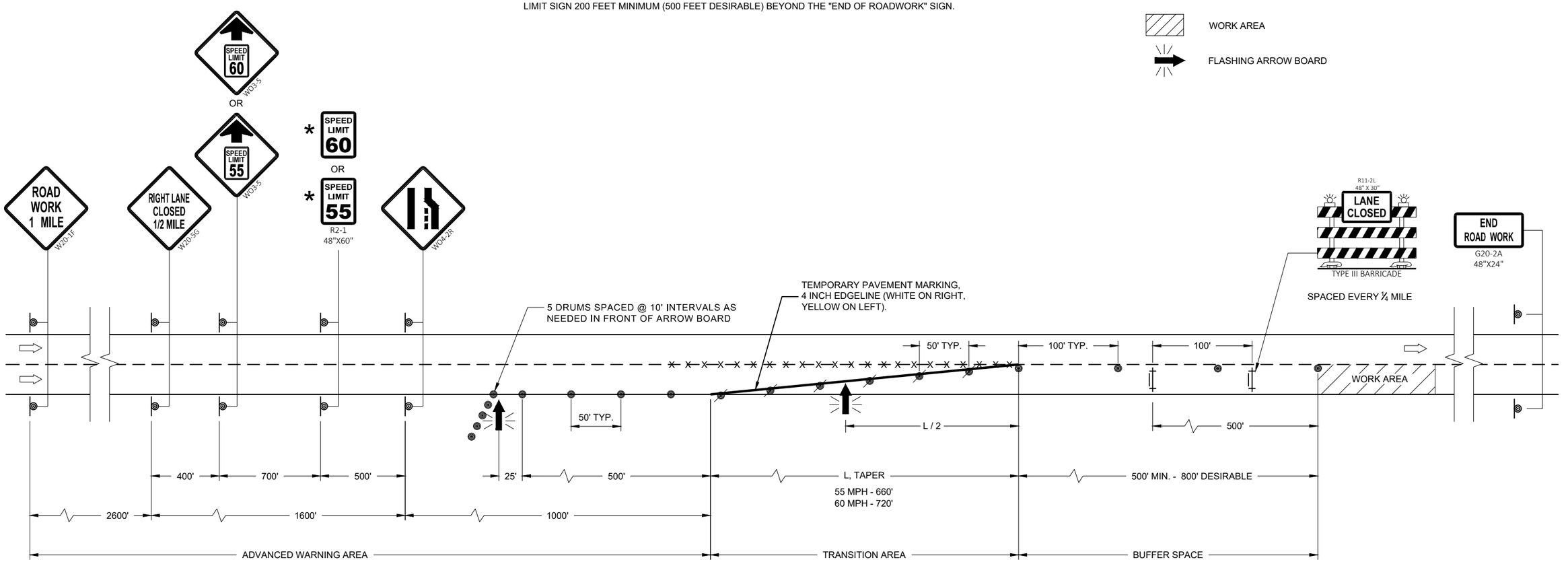
IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE CLOSURE OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP OR INTERSECTION. THE LANE CLOSURE MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE ONE HALF THE LENGTH OF THE TRANSITION AREA. THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL CHANGE SUCH AS A CROSSOVER MANEUVER.

* A SPEED LIMIT SIGN SHALL BE LOCATED 1500 FEET BEYOND THE END OF THE ACCELERATION LANE OF EACH ENTRANCE RAMP. PLACE A SPEED LIMIT SIGN A MINIMUM OF EVERY 3 MILES. INCLUDE A RESUME SPEED LIMIT SIGN 200 FEET MINIMUM (500 FEET DESIRABLE) BEYOND THE "END OF ROADWORK" SIGN.

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL DRUM
- TYPE "A" WARNING LIGHT (FLASHING)
- REMOVING PAVEMENT MARKING
- DIRECTION OF TRAFFIC
- WORK AREA
- FLASHING ARROW BOARD



TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER
FHWA

SDD 15D12 - 07b

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SDD 15D12 - 07b

LEGEND

SIGN ON PERMANENT SUPPORT

SIGN ON TEMPORARY SUPPORT

TRAFFIC CONTROL DRUM

TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT

REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)

TYPE III BARRICADE WITH ATTACHED SIGN

FLAGS, 16" X 16" MIN., ORANGE

DIRECTION OF TRAFFIC

GENERAL NOTES

THE INSTALLATIONS SHOWN ON THIS SHEET ARE TYPICAL EXAMPLES AND ARE NOT INTENDED TO REPRESENT ANY PARTICULAR RAMP. AT SPECIFIC FIELD LOCATIONS, SIMILAR INSTALLATIONS SHALL BE USED AND ADJUSTED TO THE GEOMETRICS OF THE RAMP AS COORDINATED WITH THE ENGINEER.

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

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

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

"WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.

SEE SEPARATE LANE CLOSURE DETAIL FOR TYPICAL SPACING OF TYPE III BARRICADES AND R11-2L "LANE CLOSED" SIGNS.

YIELD SIGN AND WARNING SIGNS ON ENTRANCE RAMP ARE ALSO APPROPRIATE FOR CLOSURE OF THE MAINLINE LEFT LANE. OMIT THE YIELD SIGN IF MORE THAN ONE LANE REMAINS OPEN ON THE MAINLINE AND THE RAMP TAPER IS AT LEAST AS LONG AS THE NORMAL ENTRANCE RAMP TAPER AT THE SITE.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONSECUTIVE DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE, MAY BE MOUNTED ON PORTABLE SUPPORTS. USE SUPPORTS THAT PROVIDE A MINIMUM OF 5 FEET FROM THE BOTTOM OF THE SIGN TO THE PAVEMENT.

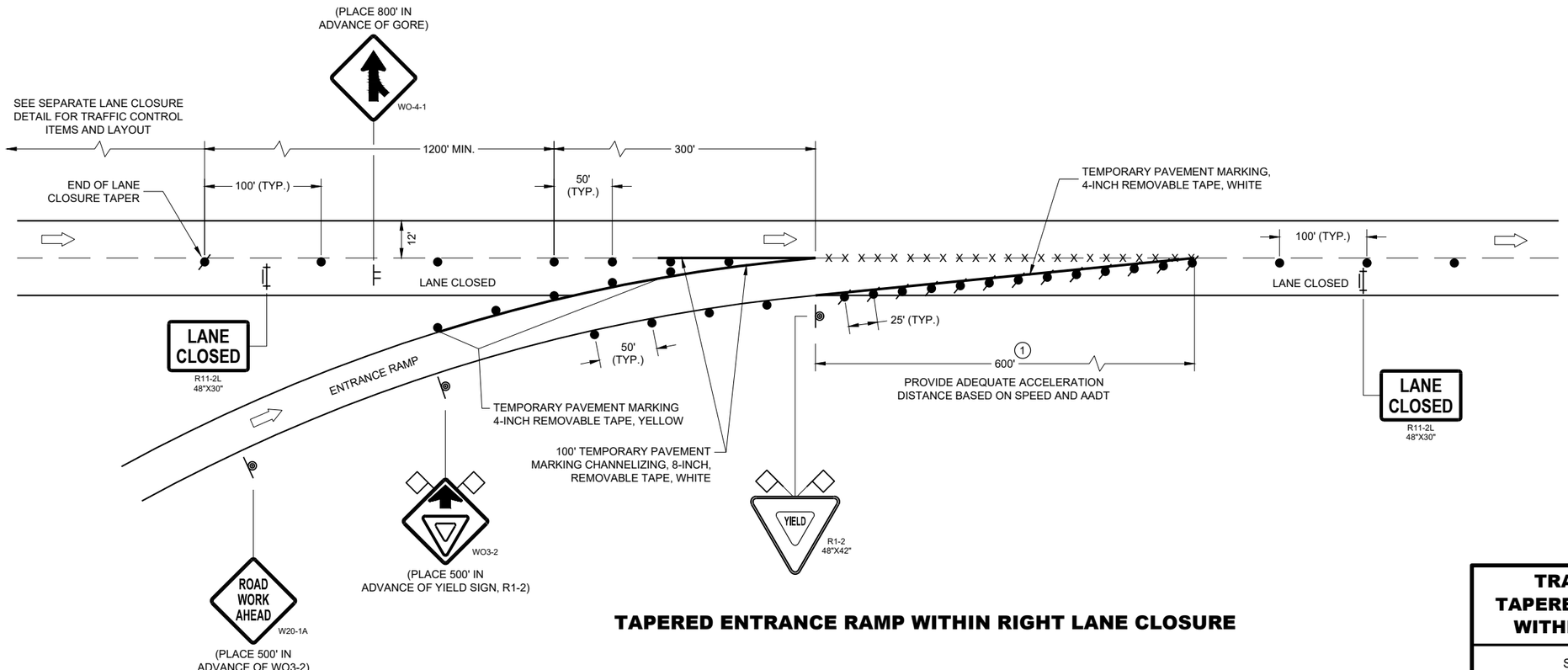
IF INDICATED IN MISCELLANEOUS QUANTITIES, SUBSTITUTE FLEXIBLE TUBULAR MARKERS FOR DRUMS IN THE GORE BETWEEN THE ENTRANCE RAMP AND MAINLINE TRAFFIC.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

(1) CONSULT WITH REGIONAL WORK ZONE ENGINEER IF NEED TO REDUCE LENGTH EXISTS.



TAPERED ENTRANCE RAMP WITHIN RIGHT LANE CLOSURE

TRAFFIC CONTROL, TAPERED ENTRANCE RAMP WITHIN LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15D15 - 05c

6

SDD 15D15 - 05c

LEGEND

SIGN ON PERMANENT SUPPORT

SIGN ON TEMPORARY SUPPORT

TRAFFIC CONTROL DRUM

TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT

TYPE III BARRICADE WITH ATTACHED SIGN

FLAGS, 16" X 16" MIN., ORANGE

DIRECTION OF TRAFFIC

GENERAL NOTES

THE INSTALLATIONS SHOWN ON THIS SHEET ARE TYPICAL EXAMPLES AND ARE NOT INTENDED TO REPRESENT ANY PARTICULAR RAMP. AT SPECIFIC FIELD LOCATIONS, SIMILAR INSTALLATIONS SHALL BE USED AND ADJUSTED TO THE GEOMETRICS OF THE RAMP AS COORDINATED WITH THE ENGINEER.

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

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

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

"WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.

SEE SEPARATE LANE CLOSURE DETAIL FOR TYPICAL SPACING OF TYPE III BARRICADES AND R11-2L "LANE CLOSED" SIGNS.

YIELD SIGN AND WARNING SIGNS ON ENTRANCE RAMP ARE ALSO APPROPRIATE FOR CLOSURE OF THE MAINLINE LEFT LANE. OMIT THE YIELD SIGN IF MORE THAN ONE LANE REMAINS OPEN ON THE MAINLINE AND THE RAMP TAPER IS AT LEAST AS LONG AS THE NORMAL ENTRANCE RAMP TAPER AT THE SITE.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONSECUTIVE DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE, MAY BE MOUNTED ON PORTABLE SUPPORTS. USE SUPPORTS THAT PROVIDE A MINIMUM OF 5 FEET FROM THE BOTTOM OF THE SIGN TO THE PAVEMENT.

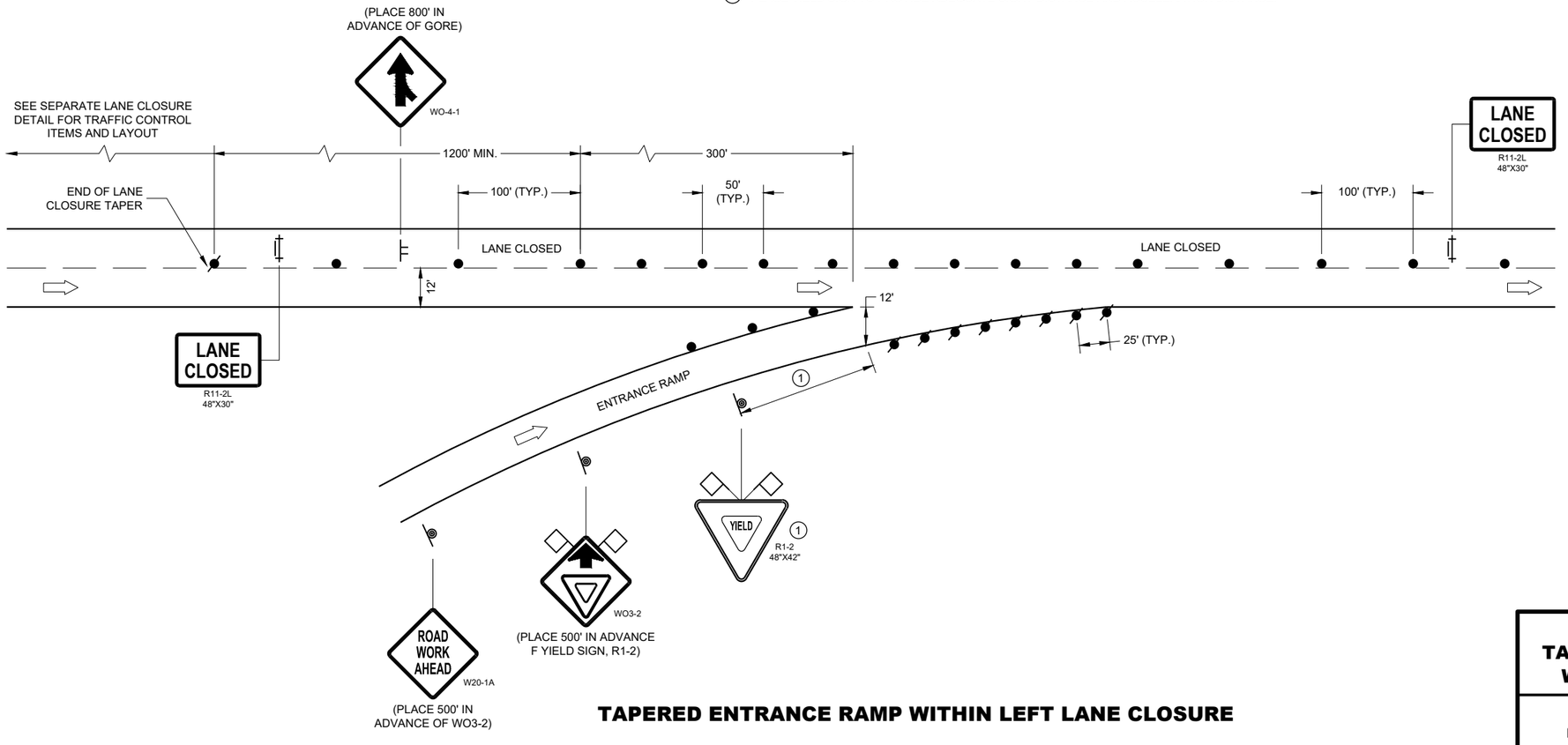
IF INDICATED IN MISCELLANEOUS QUANTITIES, SUBSTITUTE FLEXIBLE TUBULAR MARKERS FOR DRUMS IN THE GORE BETWEEN THE ENTRANCE RAMP AND MAINLINE TRAFFIC.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

(1) PLACE YIELD SIGN TO PROVIDE ADEQUATE SIGHT DISTANCE AND ACCELERATION DISTANCE.



TAPERED ENTRANCE RAMP WITHIN LEFT LANE CLOSURE

TRAFFIC CONTROL, TAPERED ENTRANCE RAMP WITHIN LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15D15 - 05d

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SDD 15D15 - 05d

LEGEND

SIGN ON PERMANENT SUPPORT

SIGN ON TEMPORARY SUPPORT

TRAFFIC CONTROL DRUM

TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT

REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)

TYPE III BARRICADE WITH ATTACHED SIGN

DIRECTION OF TRAFFIC

GENERAL NOTES

THE INSTALLATIONS SHOWN ON THIS SHEET ARE TYPICAL EXAMPLES AND ARE NOT INTENDED TO REPRESENT ANY PARTICULAR RAMP. AT SPECIFIC FIELD LOCATIONS, SIMILAR INSTALLATIONS SHALL BE USED AND ADJUSTED TO THE GEOMETRICS OF THE RAMP AS COORDINATED WITH THE ENGINEER.

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

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

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

"WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.

SEE SEPARATE LANE CLOSURE DETAIL FOR TYPICAL SPACING OF TYPE III BARRICADES AND R11-2L "LANE CLOSED" SIGNS.

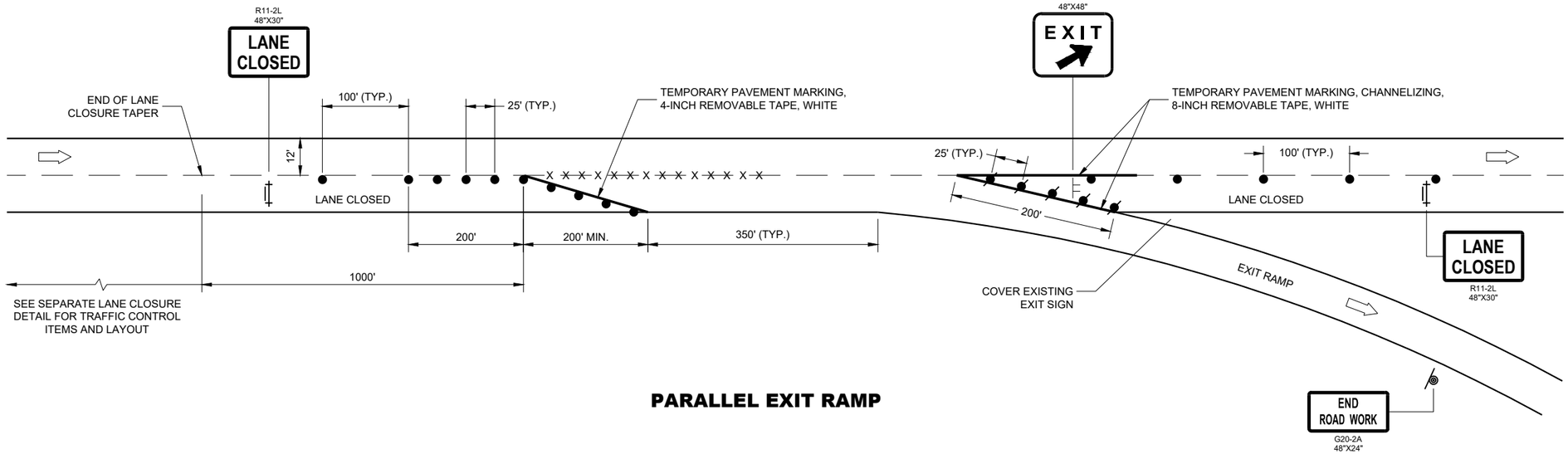
SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONSECUTIVE DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE, MAY BE MOUNTED ON PORTABLE SUPPORTS.

IF INDICATED IN MISCELLANEOUS QUANTITIES, SUBSTITUTE FLEXIBLE TUBULAR MARKERS FOR DRUMS IN THE GORE BETWEEN THE EXIT RAMP AND MAINLINE TRAFFIC.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.



PARALLEL EXIT RAMP

TRAFFIC CONTROL, PARALLEL EXIT RAMP WITHIN LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

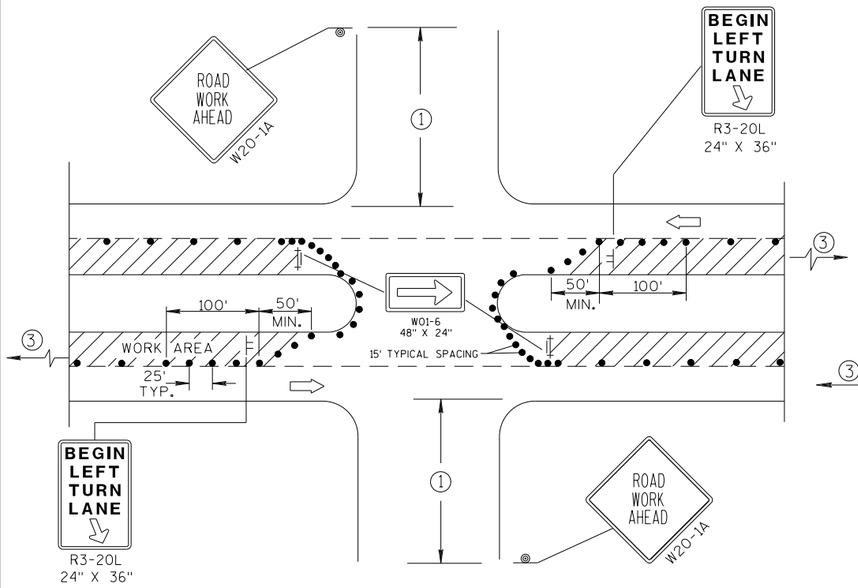
FHWA

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SDD 15D15 - 05e

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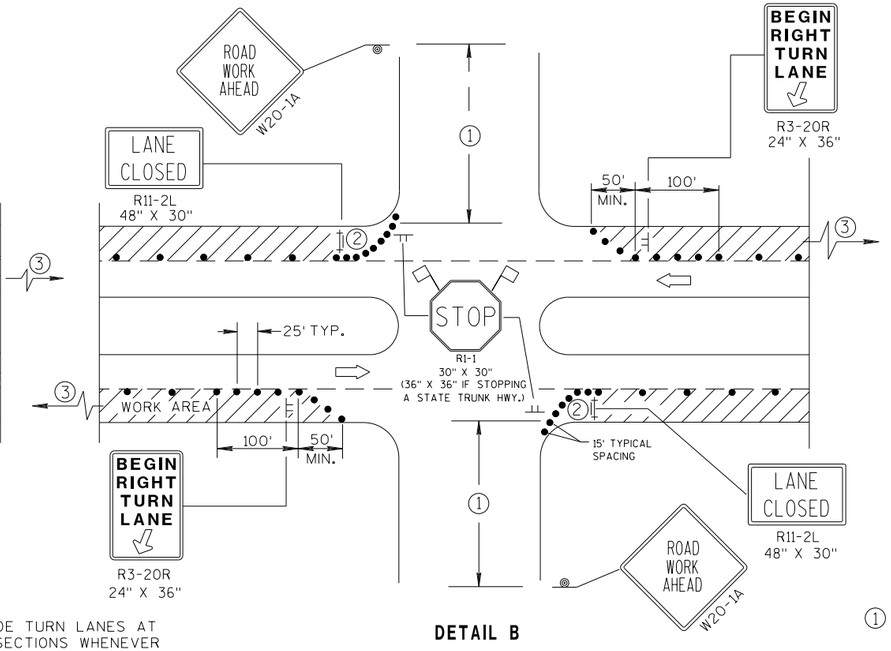
SDD15D15 - 05e



DETAIL A

FOR LEFT LANE CLOSURE AT INTERSECTION OR MEDIAN OPENING

PROVIDE TURN LANES AT INTERSECTIONS WHENEVER STAGING OF WORK ALLOWS. TAPER AND TURN LANE LENGTHS BASED ON FIELD CONDITIONS AS APPROVED BY THE ENGINEER.



DETAIL B

FOR RIGHT LANE CLOSURE AT INTERSECTION

GENERAL NOTES

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

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" SIGNS MAY BE USED IF APPROVED BY DISTRICT TRAFFIC UNIT.

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

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, OR THAT WILL BE PLACED IN A CLOSED LANE, MAY BE MOUNTED ON PORTABLE SUPPORTS.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

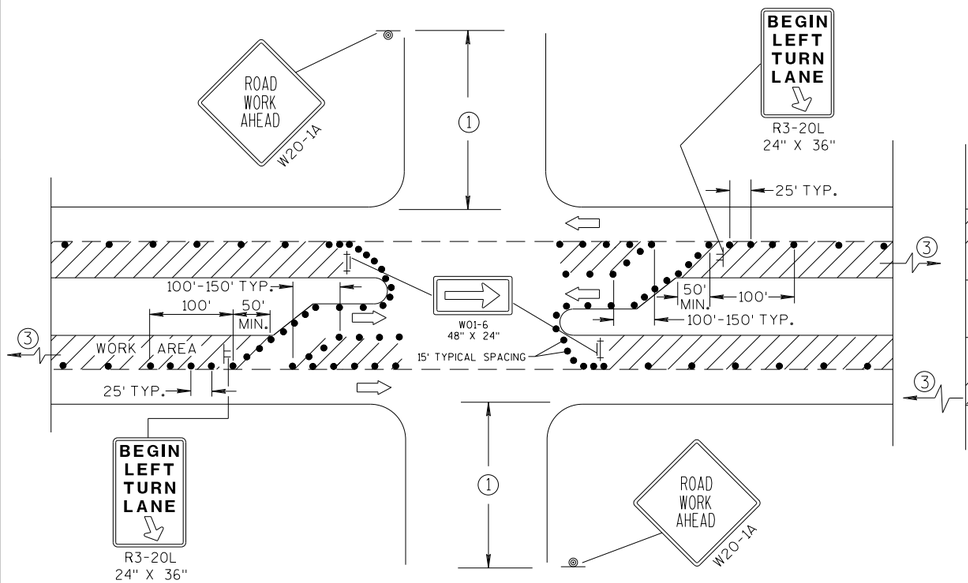
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION OR, FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

(1) 500' TYPICAL OR AT LAST INTERSECTION, WHICHEVER IS CLOSER.
350' IF 35-40 MPH.
200' IF 25-30 MPH.

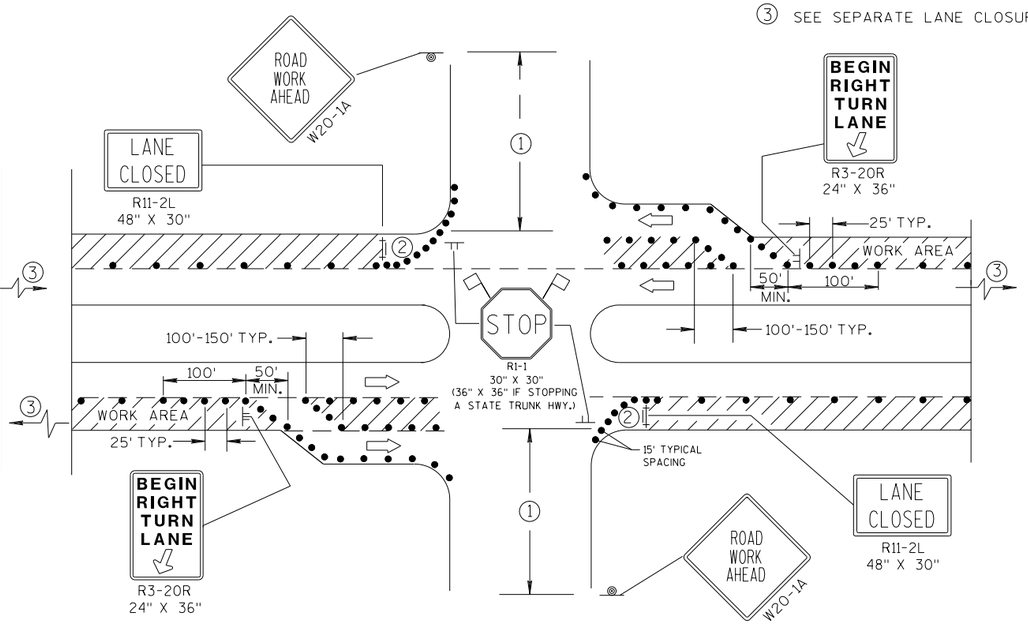
(2) ALSO USE BARRICADE AND 15-FOOT TYPICAL DRUM SPACING AT COMMERCIAL DRIVEWAYS.

(3) SEE SEPARATE LANE CLOSURE DETAIL FOR ADDITIONAL TRAFFIC CONTROL.



DETAIL C

FOR LEFT LANE CLOSURE AT INTERSECTION OR MEDIAN OPENING (WITH LEFT TURN BAY OPEN)



DETAIL D

FOR RIGHT LANE CLOSURE AT INTERSECTION (WITH RIGHT TURN BAY OPEN)

LEGEND

- TRAFFIC CONTROL DRUM
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT (5' MIN. MOUNTING HEIGHT)
- TYPE III BARRICADE WITH ATTACHED SIGN AND TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- FLAGS, 16" X 16" MIN., (ORANGE)
- WORK AREA

TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7/2018
DATE

/S/ Andrew Heldtke
WORK ZONE ENG

FHWA

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S.D.D. 15 D 21-6

LEGEND

- TRAFFIC CONTROL DRUM
- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- FLASHING ARROW BOARD
- WORK AREA

GENERAL NOTES

THIS DETAIL IS TYPICAL FOR CLOSING THE RIGHT SHOULDER. FOR CLOSING THE LEFT SHOULDER, REVERSE THE TRAFFIC CONTROL.

THIS DETAIL MAY BE USED FOR DIVIDED ROADWAYS WITH ANY NUMBER OF TRAVEL LANES.

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

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

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

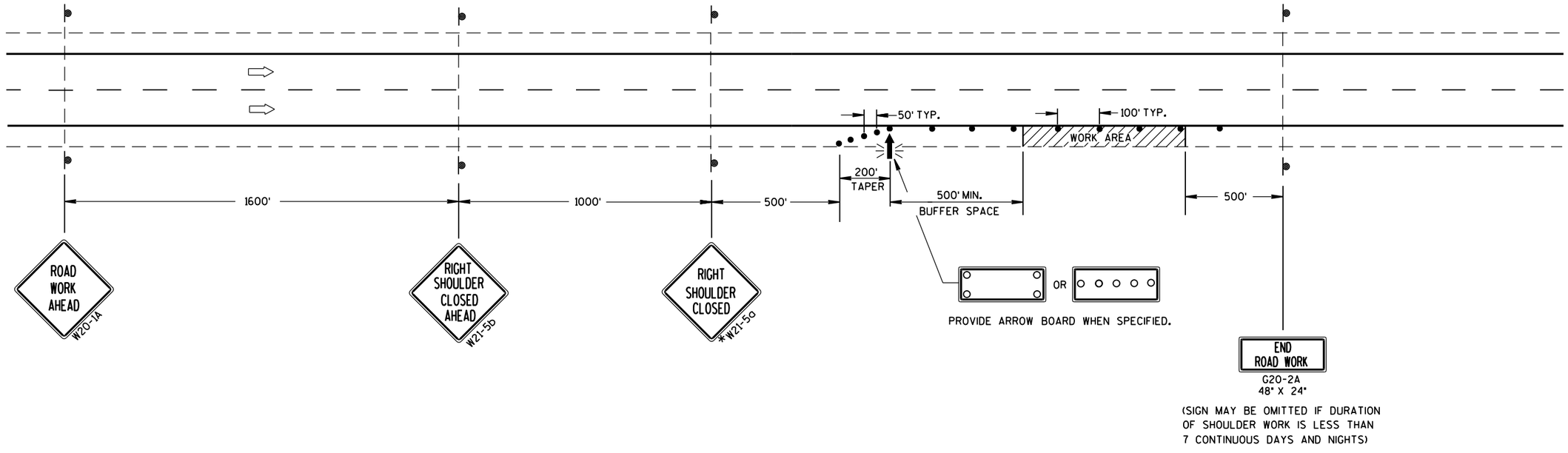
SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

CHANNELIZING DEVICES PLACED ADJACENT TO THE WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

WHEN A RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

*FOR SHORT DURATION SHOULDER WORK OF LESS THAN ONE HOUR, THE W21-5a SIGN MAY BE OMITTED.



TRAFFIC CONTROL SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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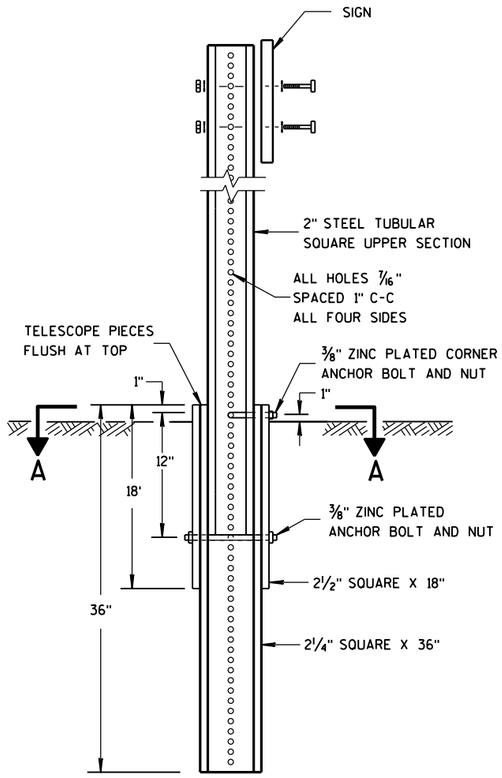
June 2016 — DATE

/S/ Peter Amakobe Atepe
STATEWIDE WORK ZO[illegible] SAFETY ENGI[illegible]

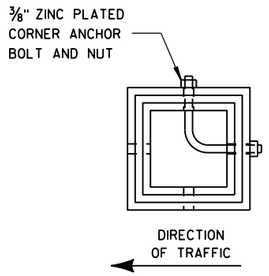
FHWA

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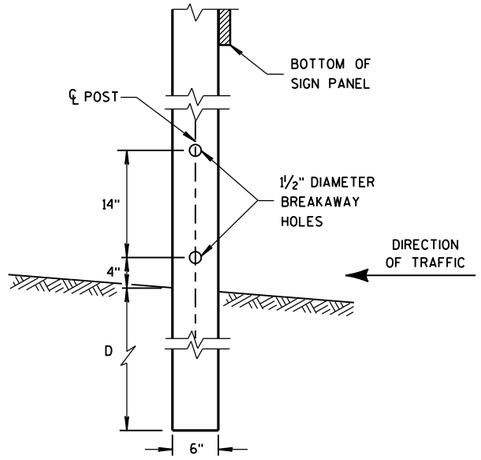
S.D.D. 15 D 27-3



DETAIL OF TUBULAR STEEL SIGN POST



SECTION A-A



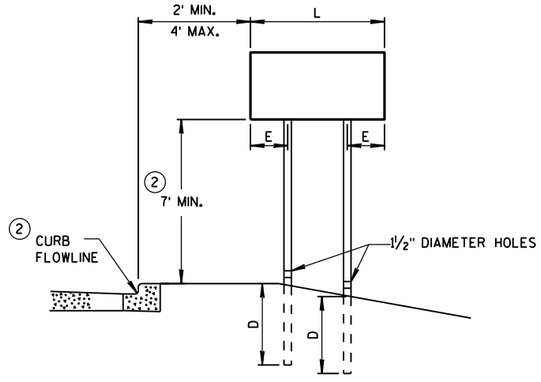
4"x6" WOOD POST MODIFICATION

GENERAL NOTES

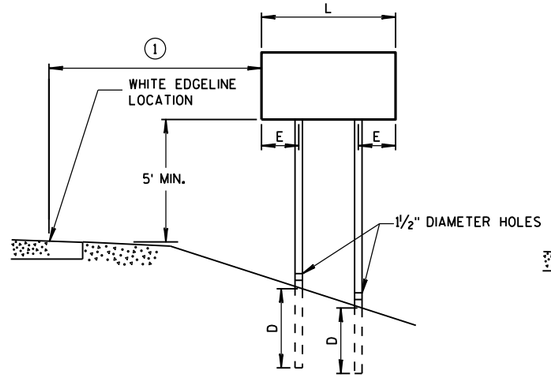
(1) 6 FEET FROM THE EDGE OF PAVEMENT (EDGE LINE LOCATION) UNLESS OTHERWISE DIRECTED BY THE PROJECT ENGINEER. LATERAL OFFSET SHOULD BE ADJUSTED TO AVOID THE DITCH FLOWLINE.

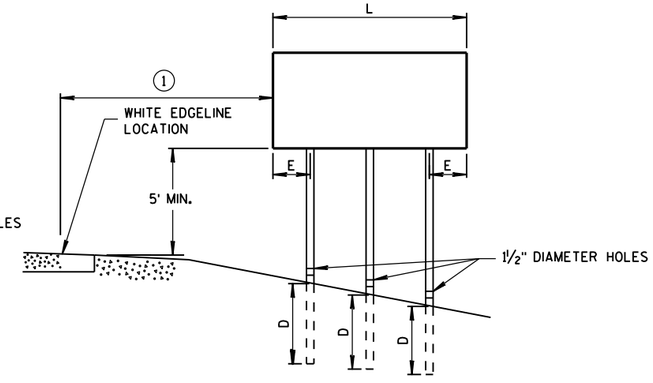
(2) THE EXISTENCE OF CURB AND GUTTER DOES NOT IN ITSELF MANDATE THE VERTICAL CLEARANCE ILLUSTRATED. THAT HEIGHT IS TYPICALLY MEASURED WHERE THERE IS SIDEWALK ADJACENT TO THE ROADWAY OR PARKING IS PERMITTED. IN THE ABSENCE OF SIDEWALK, VERTICAL CLEARANCE IS MEASURED FROM THE TOP OF THE CURB. IF NO SIDEWALK AND NO PARKING, VERTICAL CLEARANCE MAY BE REDUCED TO 5 FOOT MINIMUM. OFFSET OF SIGNS IS MEASURED FROM THE CURB FLOWLINE.

(3) FOR SIGNS REQUIRING 4 POSTS, SPACE INTERMEDIATE POSTS EVENLY.



URBAN AREA





RURAL AREA

POST MOUNTING DETAIL FOR TEMPORARY TRAFFIC CONTROL FIXED MESSAGE SIGNS

TUBULAR STEEL POSTS

AREA OF SIGN INSTALLATION (SQ. FT.)	NUMBER OF REQUIRED TUBULAR STEEL POSTS
9 OR LESS	1
GREATER THAN 9 LESS THAN OR EQUAL TO 18	2
GREATER THAN 18 LESS THAN OR EQUAL TO 27	3

SIGNS WIDER THAN 3 FEET OR LARGER THAN 9 SQ. FT. SHALL BE MOUNTED ON MULTIPLE POSTS (SEE ABOVE TABLE).

SIGNS LARGER THAN 27 SQ. FT. SHALL NOT BE MOUNTED ON TUBULAR STEEL POSTS.

WOOD POST EMBEDMENT DEPTH

AREA OF SIGN INSTALLATION (SQ. FT.)	D (MIN)
20 OR LESS	4'
GREATER THAN 20	5'

4" X 6" WOOD POST

POST SPACING REQUIREMENTS		NUMBER OF WOOD POSTS REQUIRED
L	E	
48" OR LESS AND LESS THAN 20 SQ. FT.	-	1
LESS THAN 60"	12"	2
60" TO 120"	L/5	2
GREATER THAN 120" LESS THAN 168"	12"	3
168" AND GREATER	12"	4

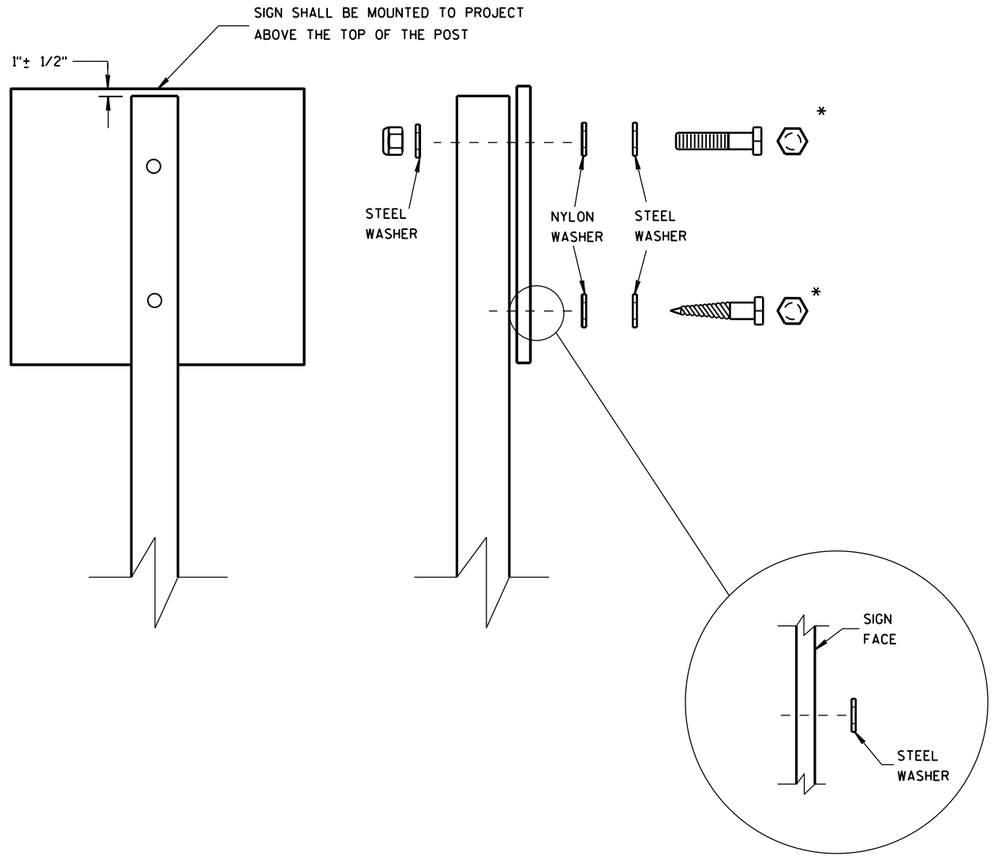
SEE NOTE (3)

TEMPORARY TRAFFIC CONTROL SIGN MOUNTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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S.D.D. 15 D 38-2a



WASHER PLACEMENT WHEN SIGN HAS OTHER THAN TYPE H OR TYPE F FACE

NUTS, BOLTS AND LAGS USED FOR MOUNTING SIGNS SHALL HAVE HEXAGONAL HEADS AND SHALL BE EITHER:

A. HOT DIP GALVANIZED IN ACCORDANCE WITH ASTM DESIGNATION: A 153, CLASS D, OR SC 3

B. ELECTRO-GALVANIZED IN ACCORDANCE WITH ASTM DESIGNATION: B 633, TYPE III, SC 3

THREADS ON BOLTS AND NUTS SHALL BE MANUFACTURED WITH SUFFICIENT ALLOWANCE FOR THE CADMIUM PLATE OR GALVANIZED COATING TO PERMIT THE NUTS TO RUN FREELY ON THE BOLTS.

WOOD POSTS (4" x 4" or 4" x 6")

LAG SCREWS - 3/8" X 3"

MACHINE BOLTS - 5/16" X 6-1/2" OR 7" LENGTH W/ NUTS

SQUARE STEEL POSTS (2" x 2")

MACHINE BOLTS - 3/8" X 3-1/4" LENGTH W/ NUTS

RIVETS - 9/32" (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH

WASHERS (ALL POSTS) -

1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL

1-1/4" O.D. X 3/8" I.D. X .080 NYLON FOR ALL TYPE H SIGNS

* TWO DIFFERENT FASTENING SYSTEMS ARE SHOWN FOR ILLUSTRATION PURPOSES. ON ANY INDIVIDUAL SIGN, EITHER ONE OR THE OTHER SYSTEM SHALL BE USED. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA. FOR A SINGLE POST INSTALLATION, ALL SIGNS GREATER THAN 9 SQ. FT. REQUIRE THE USE OF 3 FASTENERS.

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S.D.D. 15 D 38-2b

S.D.D. 15 D 38-2b

ATTACHMENT OF SIGNS TO POSTS

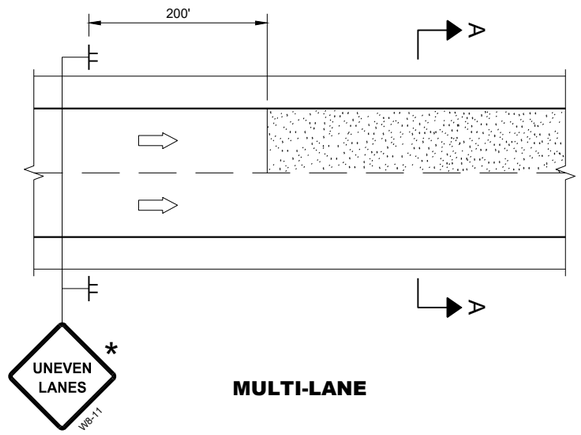
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

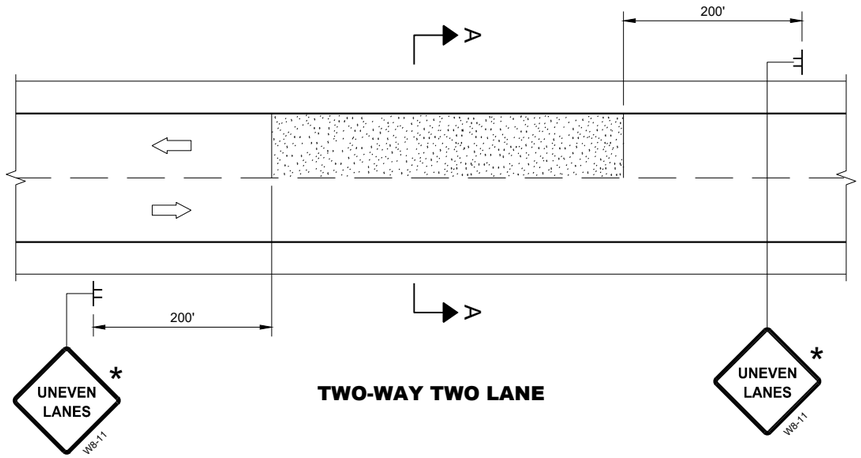
June 2017
DATE

/S/ Andrew Heldtke
WORK ZONE ENG

FHWA



MULTI-LANE



TWO-WAY TWO LANE

GENERAL NOTES

FOR SPOT LOCATIONS USE ENGINEERING JUDGEMENT WHEN PLACING ADDITIONAL SIGNS.

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

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

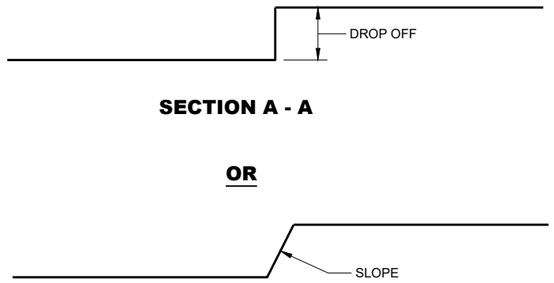
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

* IF THE DROP-OFF IS CONTINUOUS ALONG THE PROJECT, PLACE ADDITIONAL SIGNS EVERY 1 MILE AND AFTER EVERY ENTRANCE RAMP.

(1) USE CLOSER SPACING WHEN DELINEATING DROP-OFF.

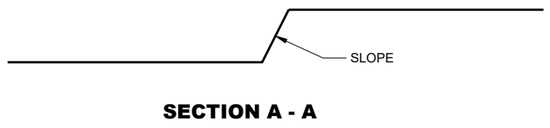
LEGEND

- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK AREA WITH DROP-OFF
- MILLED SURFACE

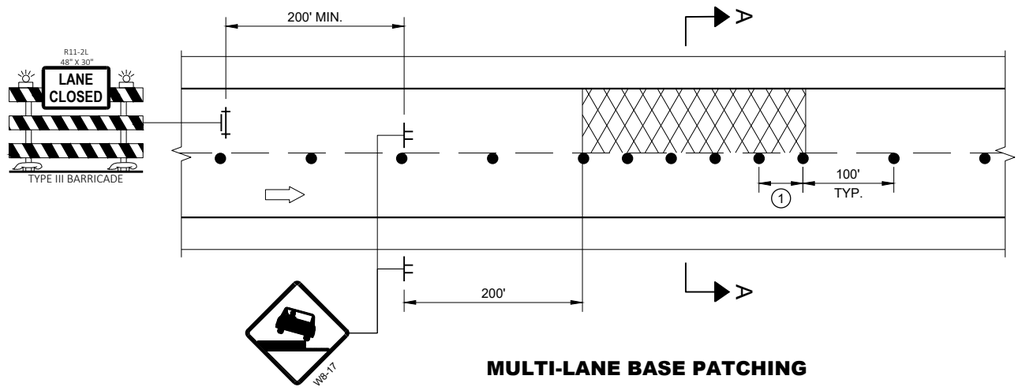


SECTION A - A

OR

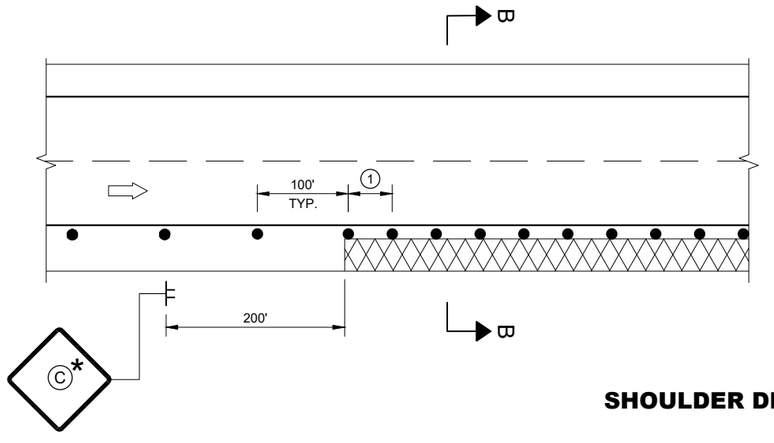


SECTION A - A

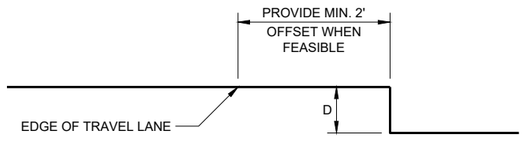


MULTI-LANE BASE PATCHING

ADJACENT LANE DROP-OFFS



SHOULDER DROP-OFFS



SECTION B - B

D	SIGN (C)
< 2" WITH A SLOPE STEEPER THAN 3:1	LOW SHOULDER WO8-9
2" < 6" WITH A SLOPE STEEPER THAN 3:1	SHOULDER DROP - OFF W8-9A PROVIDE A 3:1 OR FLATTER SLOPE OF MATERIAL ADJACENT TO THE PAVEMENT

TRAFFIC CONTROL, DROP-OFF SIGNING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

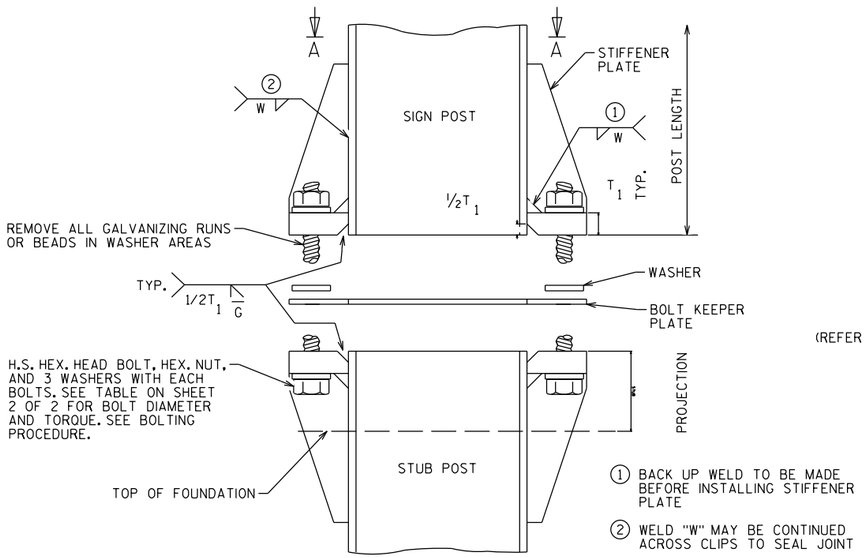
FHWA

6

SDD 15D39 - 02

6

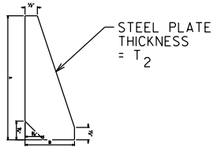
SDD 15D39 - 02



① BACK UP WELD TO BE MADE BEFORE INSTALLING STIFFENER PLATE

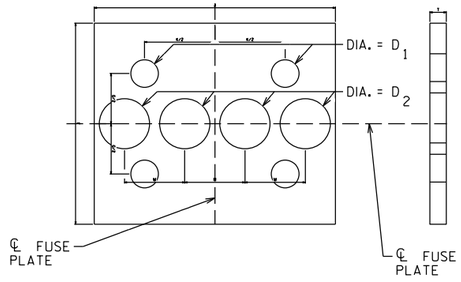
② WELD "W" MAY BE CONTINUED ACROSS CLIPS TO SEAL JOINT

SIGN POST & STUB POST ELEVATION



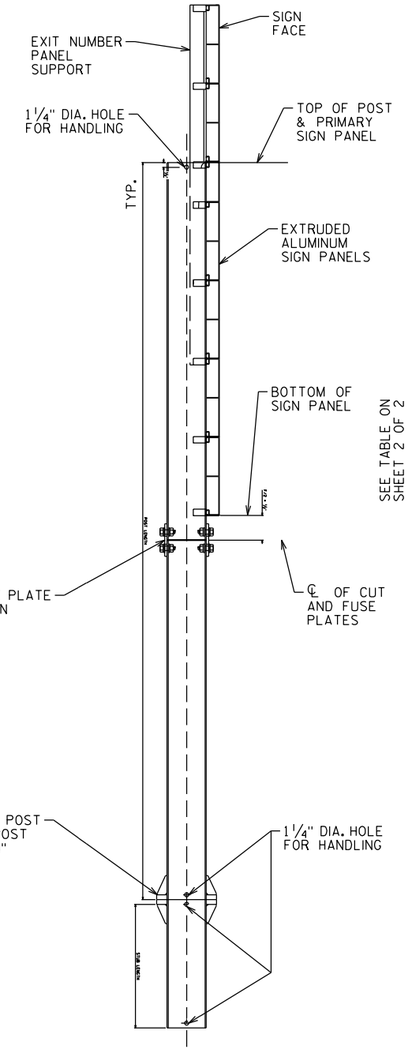
STIFFENER PLATE DETAIL

(REFER TO TABLE ON SHEET 2 OF 2 FOR DIMENSIONS)



PERFORATED FUSE PLATE DETAIL

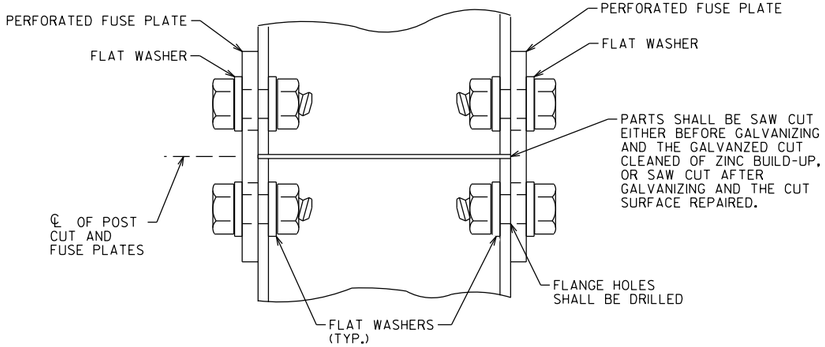
USE H.S. HEX HEAD BOLTS, HEX HEAD NUT AND FLAT WASHER UNDER NUT. ALL HOLES SHALL BE DRILLED, SUB-PUNCHED AND REAMED. ALL PLATE CUTS SHALL PREFERABLY BE SAW CUTS. HOWEVER, FLAME CUTTING WILL BE PERMITTED PROVIDED ALL EDGES ARE GROUND. METAL PROJECTING BEYOND THE PLANE OF THE PLATE FACE WILL NOT BE PERMITTED. STEEL FUSE PLATES SHALL CONFORM TO THE REQUIREMENTS OF ASTM A36. ASTM A572 GRADE 50 OR ASTM A588 MAY BE SUBSTITUTED FOR A36 AT THE OPTION OF THE FABRICATOR. MILL TEST REPORTS SHALL BE SUBMITTED FOR FUSE PLATES. STEEL USED SHALL HAVE AN ULTIMATE TENSILE STRENGTH NOT TO EXCEED 80 KSI.



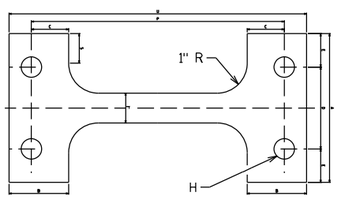
POST DETAIL

☆ WELD THICKNESS = FLANGE THICKNESS - 1/16"

SECTION A-A



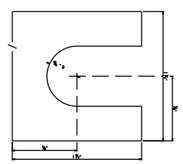
FUSE PLATE CONNECTION DETAIL



H = BOLT DIA. + 1/8"

BOLT KEEPER PLATE DETAIL

30 GA GALVANIZED SHEET STEEL



SHIM DETAIL

FURNISH TWO .012"± THICK AND TWO .032"± THICK SHIMS PER POST. SHIMS SHALL BE FABRICATED FROM BRASS SHIM STOCK OR STRIP CONFORMING TO ASTM B36.

BOLTING PROCEDURE FOR BASE CONNECTION

1. ASSEMBLE SIGN POST, BOLT KEEPER PLATE, AND STUB POST WITH BOLTS AND THREE FLAT WASHERS PER BOLT AS SHOWN.
2. SHIM AS REQUIRED TO PLUMB POST.
3. PRIOR TO BOLT TIGHTENING, LUBRICATE BASE CONNECTION BOLTS WITH BEESWAX OR OTHER HIGH-WAX LUBRICANT.
4. TIGHTEN ALL BOLTS THE MAXIMUM POSSIBLE WITH A 12" OR 15" WRENCH TO BED WASHERS & SHIMS AND TO CLEAN BOLT THREADS.
5. LOOSEN EACH BOLT IN TURN AND RETIGHTEN IN A SYSTEMATIC ORDER TO THE PERSCRIBED TORQUE. (SEE TABLE FOR PERSCRIBED TORQUE). DO NOT OVER-TIGHTEN.
6. BURR THREADS AT JUNCTION WITH NUT USING A CENTER PUNCH TO PREVENT NUT LOOSENING.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE BTO TYPE I SIGNS

DRAWN BY | PLANS CK'D.

CONNECTION & FOUNDATION DETAILS 1 OF 2

SHEET A3-1.18

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 147	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A31.DGN

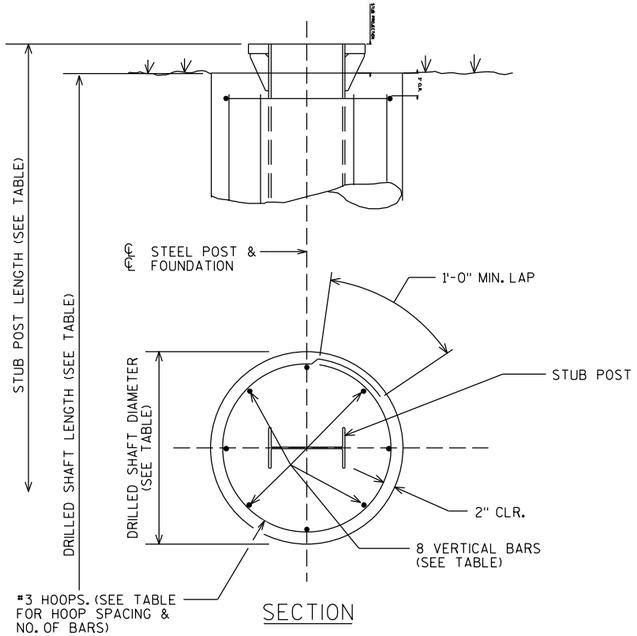
PLOT DATE : 24-JUNE-2019

PLOT BY : dotc4c

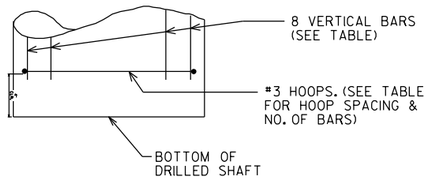
WISDOT/CADDS SHEET 42

7

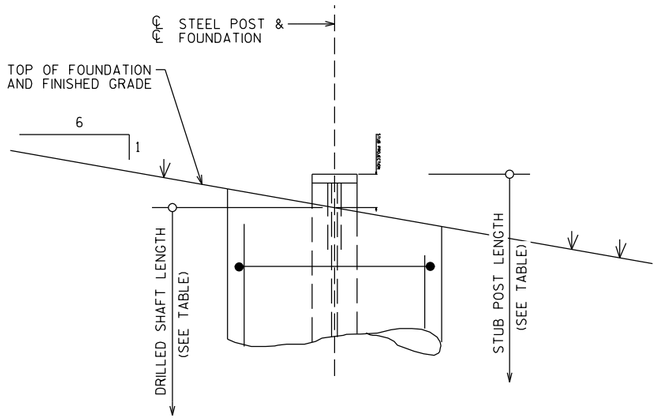
7



SECTION



FOUNDATION DETAIL



SHAFT PLACEMENT

FOUNDATION DATA TABLE

POST SHAPE	STUB LENGTH	STUB PROJECTION	DRILLED SHAFT DIAMETER	DRILLED SHAFT LENGTH	VERTICAL BARS		HOOPS		CONCRETE VOLUME	TOTAL REINF. WEIGHT
					SIZE	LENGTH	MAX SPA.	NO.		
W6X15	2'-6"	3"	24"	6'-0"	#5	5'-5"	10"	8	0.7 CY	64 LB
W8X18	2'-6"	3"	24"	7'-0"	#6	6'-5"	12"	8	0.8 CY	96 LB
W8X21	3'-0"	2½"	24"	7'-6"	#6	6'-11"	12"	8	0.9 CY	102 LB
W10X22	3'-0"	2½"	24"	8'-0"	#7	7'-5"	12"	9	1.0 CY	143 LB
W12X26	3'-0"	2½"	24"	9'-0"	#7	8'-5"	12"	10	1.1 CY	161 LB

◆ QUANTITIES SHOWN ARE FOR ONE DRILLED SHAFT

BASE CONNECTION & FUSE PLATE DATA TABLE

POST SHAPE	WEIGHT PER FOOT	BASE CONNECTION DATA									BOLT KEEPER PLATE DATA			PERFORATED FUSE PLATE DATA									V ◪
		BOLT SIZE & TORQUE	A	B	C	D	E	T1	T2	W	R	P	S	U	F	G	J	K	M	D1	D2	T3	BOLT DIA.	WGT. EA. LBS	BOLT LENGTH	
W6X15	15 LB	⅝" DIA. X 2¾" 36 TO 38 FT-LB	5"	2"	1¼"	2¾"	1⅛"	¾"	½"	¼"	11/32"	8½"	1"	10"	5"	2½"	6"	3½"	1½"	11/16"	1¼"	⅜"	⅝"	2.4	2¼"	61.5 LB
W8X18	18 LB											10⅝"		12⅛"	5"	2½"	5¼"	2¾"	1¼"	11/16"	1 1/16"	⅜"	⅝"	2.0	2¼"	68.5 LB
W8X21	21 LB	¾" DIA. X 3½" 62 TO 63 FT-LB	6"	2¼"	1⅜"	3½"	1¼"	1"	¾"	5/16"	11/32"	11"	1½"	12¾"	5½"	2½"	5¼"	2¾"	1¼"	13/16"	1"	½"	¾"	3.1	2¼"	98.5 LB
W10X22	22 LB											12⅞"		14⅝"	6"	3"	5¾"	2¾"	1⅜"	13/16"	1⅛"	½"	¾"	3.9	2¼"	103.1 LB
W12X26	26 LB											15"		16¾"	6"	3"	6½"	3½"	1⅝"	13/16"	1 5/16"	½"	¾"	4.5	2¼"	116.4 LB

◪ TOTAL STRUCTURAL CARBON STEEL WEIGHT FOR ONE POST = V + (POST LENGTH X POST WEIGHT PER FOOT)

"V" INCLUDES STUB POST, BASE PLATES, STIFFENER PLATES, PERFORATED FUSE PLATES, BOLTS, NUTS, AND WASHERS.

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED

ALL POST, POST STUBS & ATTACHMENTS SHALL BE ASTM A709 GRADE 50, GALVANIZED IN ACCORDANCE WITH ASTM A123.

THE POST, BASE PLATES, UPPER SIX INCHES OF STUB POST, FLANGE SPLICE PLATE AND FUSE PLATE SHALL BE GALVANIZED AFTER FABRICATION.

H.S. BOLTS, WASHERS, & NUTS SHALL BE A325 GALVANIZED WHEN POSTS, POST STUBS AND ATTACHMENTS ARE A709 GRADE 50 AND GALVANIZED.

MATERIAL PROPERTIES

CONCRETE MASONRY F'C = 3,500 P.S.I.
BAR STEEL REINFORCEMENT (UNCOATED), GRADE 60 FY = 60,000 P.S.I.

DESIGN DATA

DESIGN CONFORMS TO AASHTO LRFD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS 1ST EDITION 2015 (WITH 2017 & 2018 INTERIM REVISIONS).

DEAD LOADS (DL):

- STEEL POST SELF WEIGHT
- SIGN PANEL WEIGHT = 3 PSF

WIND LOADS (WL):

WIND LOADS WERE APPLIED TO THE PROJECTED AREAS OF THE SIGN PANELS AND THE STEEL SIGN POSTS.

- BASIC WIND SPEED = 76 MPH
- MEAN RECURRANCE INTERVAL (MRI) = 10 YEARS
- HEIGHT & EXPOSURE FACTOR = 1.00
- DIRECTIONALITY FACTOR = 0.85
- GUST EFFECT FACTOR = 1.14

WIND LOAD CASES:

- WL CASE 1: 1.0 X NORMAL WIND
- WL CASE 2: 1.0 X TRANSVERSE WIND
- WL CASE 3: 0.75 X NORMAL WIND + 0.75 X TRANSVERSE WIND

LOAD COMBINATIONS:

LOAD COMBINATION	TYPE	DL FACTOR	WL FACTOR
STRENGTH I	GRAVITY	1.25	-
EXTREME I	WIND	1.10	1.0
		0.9	1.0
SERVICE I	DEFLECTION	1.0	1.0

FOUNDATION DESIGN DATA

THE FOUNDATION DESIGN ASSUMED COHESIONLESS SOILS (LOOSE SAND) WITH THE FOLLOWING PROPERTIES:

- SOIL UNIT WEIGHT = 100 PCF
- ANGLE OF INTERNAL FRICTION = 30 DEGREES
- SOIL MODULUS PARAMETER = 25 LB/IN3

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE BTO TYPE I SIGNS

DRAWN BY | PLANS CK'D.

CONNECTION & FOUNDATION DETAILS 2 OF 2

SHEET A3-1.18

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 148 | E

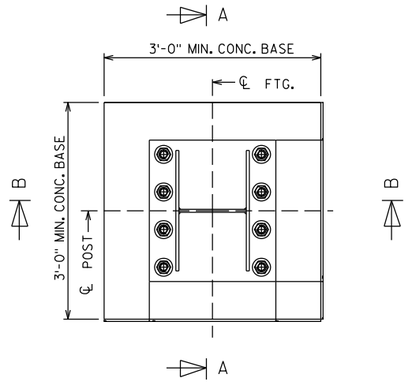
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A31.DGN PLOT DATE : 24-JUNE-2019 PLOT BY : dotc4c

WISDOT/CADDS SHEET 42

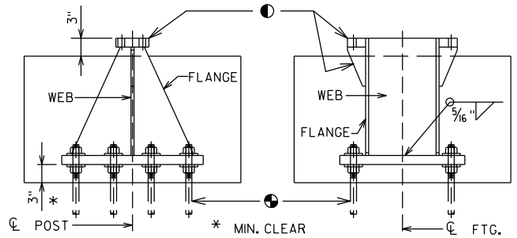
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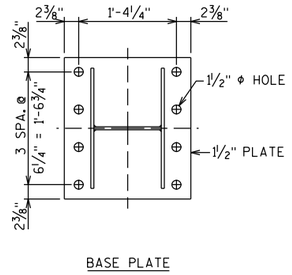
STUB AND ADHESIVE ANCHOR DETAILS



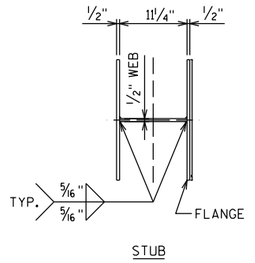
STUB SECTION



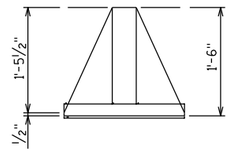
SECTION A-A SECTION B-B



BASE PLATE



STUB



FLANGE

◐ SEE BASE CONNECTION DETAILS ON "CONNECTIONS & FOUNDATION DETAILS" SHEETS.

◔ ADHESIVE ANCHORS 1¼-INCHES. ALLOWABLE PULL OUT CAPACITY = 15 KIPS. EMBED 1'-3" INTO ROCK.

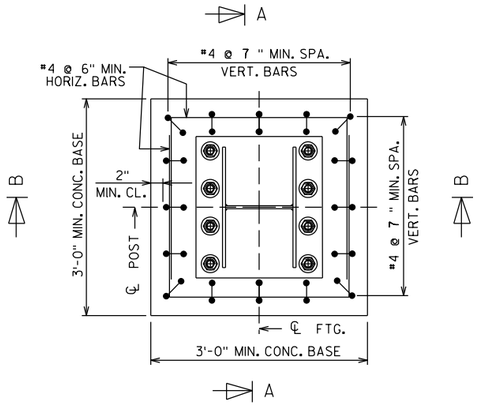
GENERAL NOTES:

QUANTITIES PER BASE:
REINFORCING STEEL = 62 LB
CONCRETE = 0.6 CY
STRUCTURAL STEEL = 335 LB

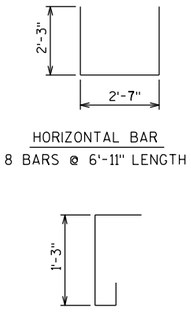
ALL MATERIALS, EXCEPT FOR ANCHOR ROD, NUTS, AND WASHERS, SHALL BE ASTM A709 GRADE 50. ALL MATERIALS TO BE GALVANIZED AFTER FABRICATION.

IF ROCK IS ENCOUNTERED PRIOR TO REACHING THE MINIMUM DRILLED SHAFT EMBEDMENT DEPTH DEFINED ON THE FOUNDATION DATA TABLE OF THE "CONNECTIONS & FOUNDATION DETAILS 2 OF 2" SHEET, THE CONTRACTOR SHALL INSTALL A TEST ADHESIVE ANCHOR AND DETERMINE THE PULL-OUT CAPACITY. IF THE FIELD TEST RESULTS IN A PULL-OUT CAPACITY GREATER THAN OR EQUAL TO 15 KIPS, THE CONTRACTOR MAY INSTALL THE ALTERNATE CONCRETE BASE AND BREAK-WAY STUB PER THE DETAILS ON THIS SHEET.

CONCRETE BASE DETAILS

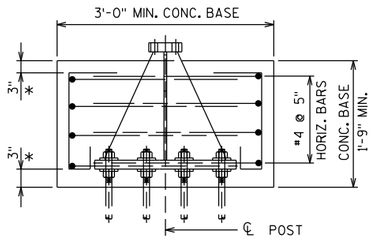


CONCRETE BASE PLAN

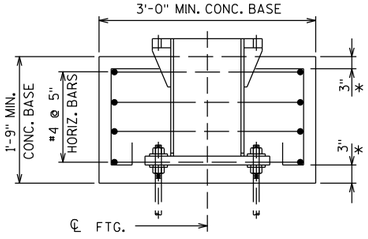


HORIZONTAL BAR
8 BARS @ 6'-11" LENGTH

VERTICAL BARS
16 BARS @ 2'-4" LENGTH
MAY BE PLACED IN SKEW
FOR CLEARANCE NEED



SECTION A-A



SECTION B-B

* MIN. CLEAR

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

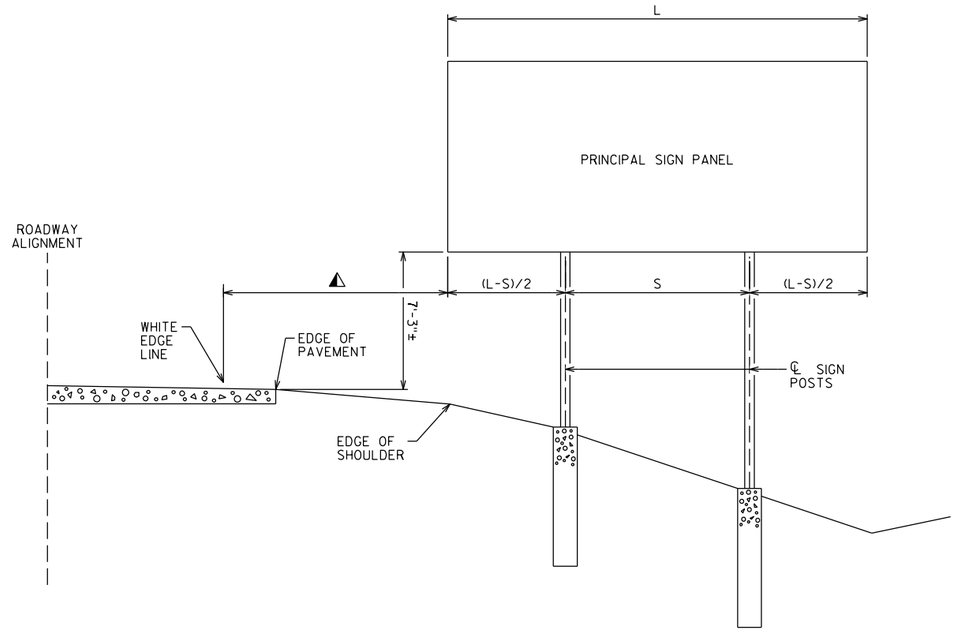
STRUCTURE BTO TYPE I SIGNS

DRAWN BY | PLANS CK'D.

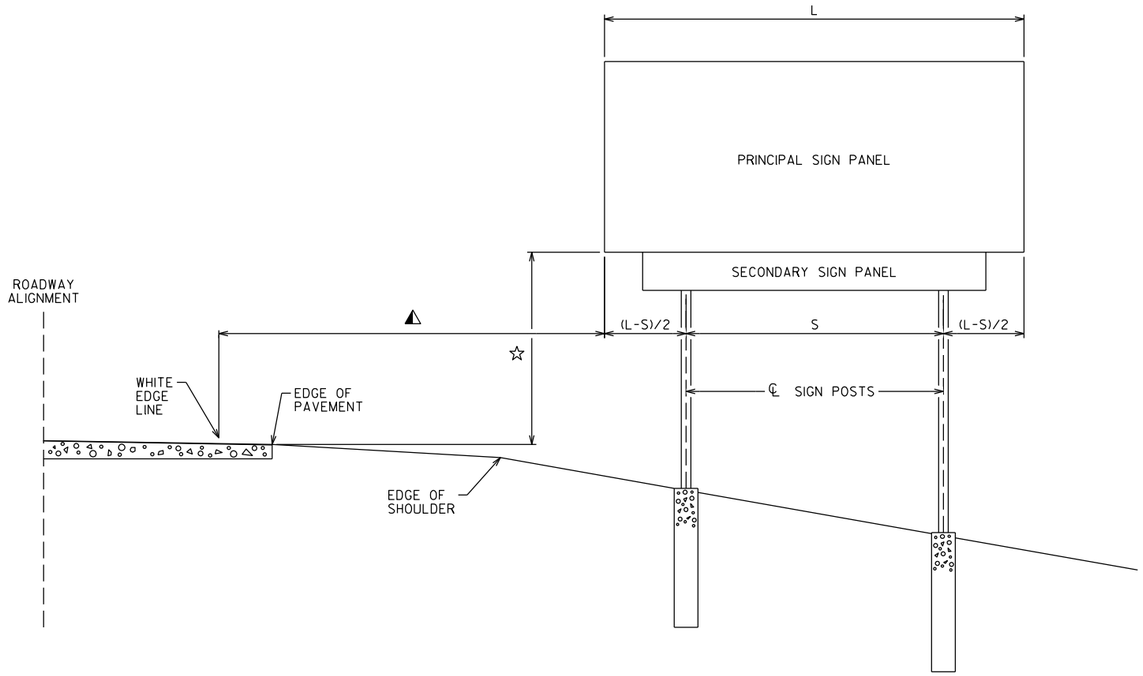
ALTERNATE BREAK-AWAY BASE ON ROCK

SHEET A3-1M.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 149 | E



INSTALLATION WITHOUT SECONDARY SIGN



INSTALLATION WITH SECONDARY SIGN

TYPE 1 SIGN INSTALLATION NOTES:

FOR A 2-POST INSTALLATION, "S" EQUALS 3L/5, BUT SHALL NOT BE LESS THAN 6'-0".

FOR A 3-POST INSTALLATION, "S" EQUALS 5L/7, BUT SHALL NOT BE LESS THAN 12'-0". THE SPACING BETWEEN ANY TWO POSTS SHALL NOT BE LESS THAN 6'-0".

◭ UNLESS NOTED IN THE PLANS, THE SIGN OFFSET DISTANCE SHALL BE A MINIMUM OF 17'-6" FROM THE WHITE EDGE LINE, DESIRABLE 30'-0".

THE ± TOLERANCE SHOWN ON THIS SHEETS IS 3".

THE VERTICAL SIGN HEIGHT CLEARANCES SHOWN ON THIS SHEET ARE MEASURED FROM THE BOTTOM OF THE SIGN PANEL TO THE NEAR EDGE OF PAVEMENT.

☆ THE VERTICAL CLEARANCE SHALL BE 8'-3"± WHEN THE SECONDARY SIGN HEIGHT IS 3'-0" OR LESS. FOR SECONDARY SIGN HEIGHTS LARGER THAN 3'-0", THE VERTICAL CLEARANCE TO THE BOTTOM OF THE SECONDARY SIGN PANEL SHALL BE 5'-3"±.

POST LENGTHS SHOWN IN THE MISCELLANEOUS QUANTITIES ARE ESTIMATED LENGTHS. THE CONTRACTOR SHALL VERIFY POST LENGTHS AT THE TIME OF FINAL GRADING.

REFER TO THE TRAFFIC ENGINEERING OPERATIONS AND SAFETY MANUAL FOR FURTHER GUIDANCE ON MINIMUM VERTICAL CLEARANCE REQUIREMENTS.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE BTO TYPE I SIGNS

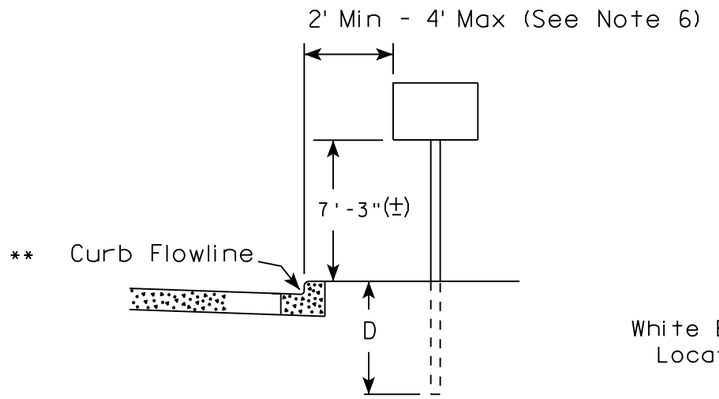
DRAWN BY | PLANS CK'D.

TYPICAL TYPE I SIGN INSTALLATION

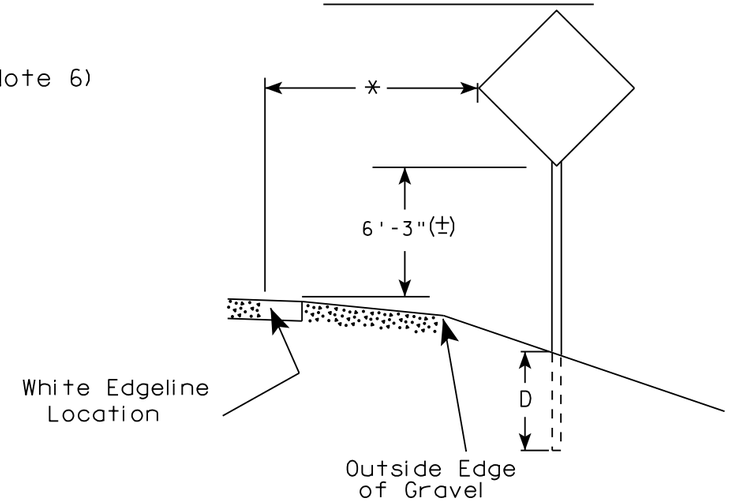
SHEET A4-1.10

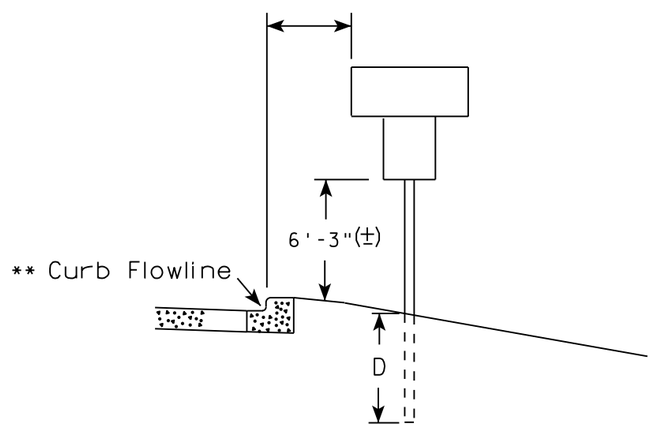
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 150	E

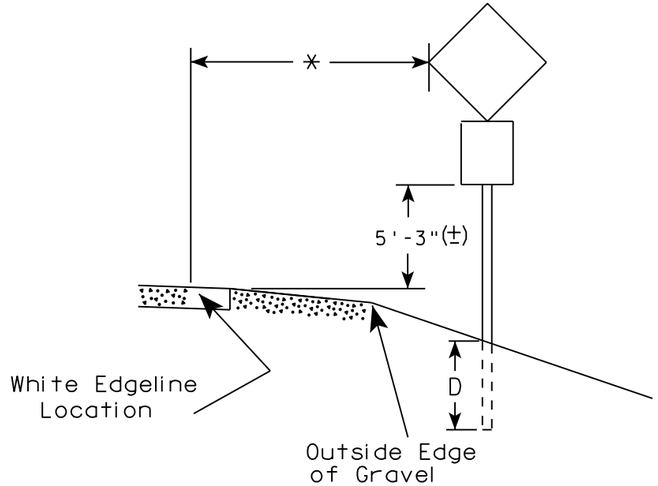
URBAN AREA



RURAL AREA (See Note 2)







** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq.Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

GENERAL NOTES

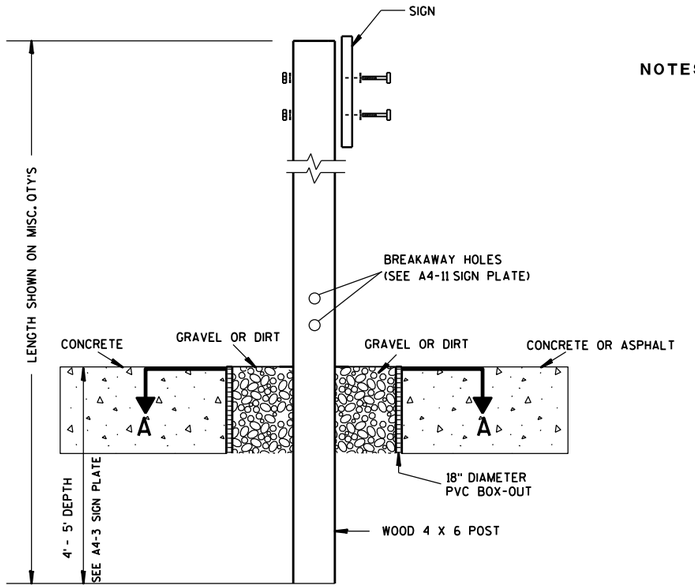
1. Signs wider than 4 feet or 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
2. If signs are mounted on barrier wall, see A4-10 sign plate.
3. For expressways and freeways, mounting height is 7'- 3" (±) or 6'-3" (±) depending upon existence of a sub-sign.
4. J-Assemblies are considered to be one sign for mounting height.
5. Minimum mounting height for signs mounted on traffic signal poles is 5'- 3" (±).
6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
7. The (±) tolerance for mounting height is 3 inches.
8. Folding signs shall be mounted at a height of 5'-3" (±) or as directd by the Engineer.
9. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Enhanced Reference Markers, Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4'-3" (±).

TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

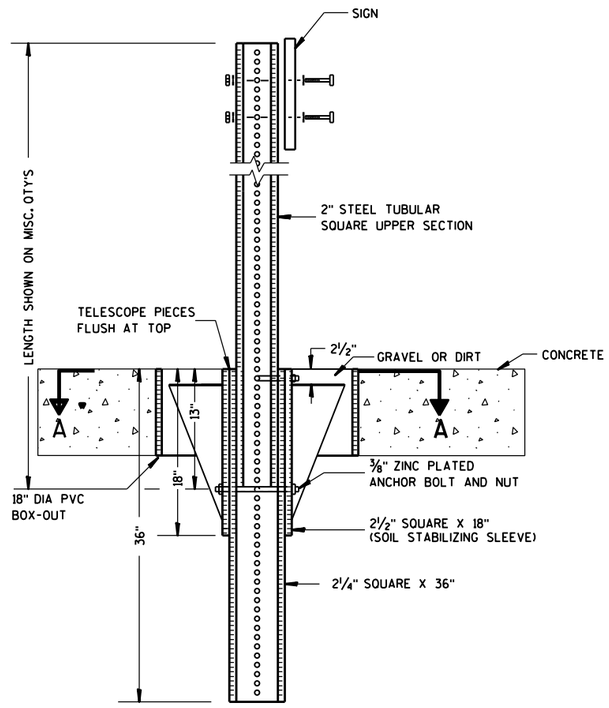
DATE 8/21/17 PLATE NO. A4-3.21



ELEVATION VIEW

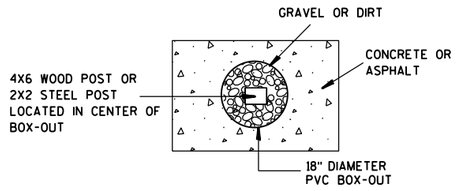
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

NOTES:
1. ALL MATERIAL TO BE APPROVED BY ENGINEER PRIOR TO INSTALLATION
2. SEE SIGN PLATE A4-8 FOR SIGN HARDWARE REQUIREMENTS
3. 18 INCH X 18 INCH SQUARE BOX-OUTS MAY BE USED FOR INSTALLATIONS IN EXISTING CONCRETE OR ASPHALT LOCATIONS.



ELEVATION VIEW

DETAIL OF STEEL 2 X 2 SIGN POST IN BOX-OUT



PLAN VIEW

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST BOX-OUTS A4-3B

WISCONSIN DEPT OF TRANSPORTATION

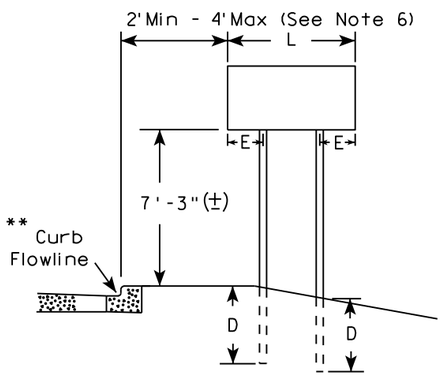
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/27/14 PLATE NO. A4-3B.1

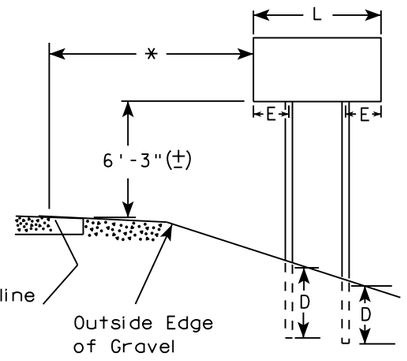
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

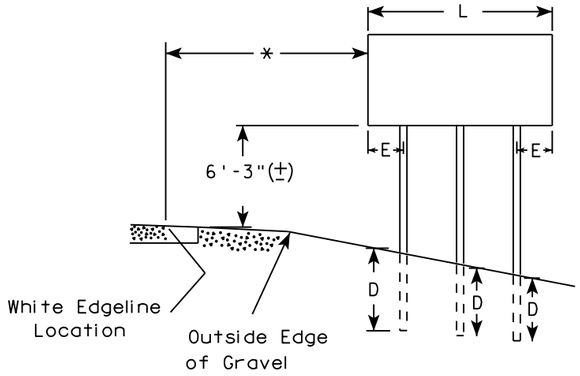
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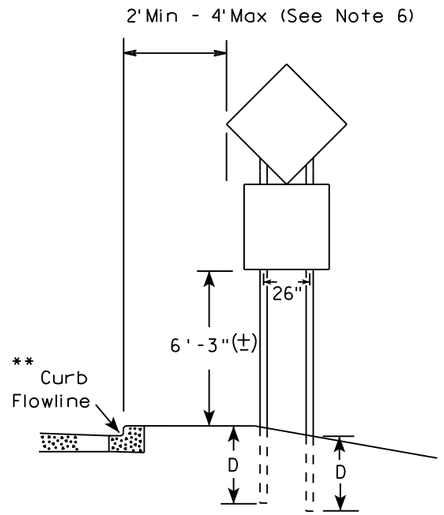
URBAN AREA



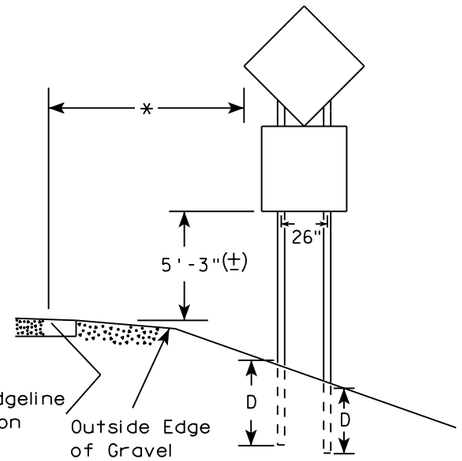
RURAL AREA (See Note 3)







48" DIAMOND WARNING SIGN



48" DIAMOND WARNING SIGN

SIGN SHAPE OTHER THAN DIAMOND (TWO POSTS REQUIRED)		
	L	E
***	Greater than 48" Less than 60"	12"
	60" to 108"	L/5

SIGN SHAPE OTHER THAN DIAMOND (THREE POSTS REQUIRED)	
L	E
Greater than 108" to 144"	12"

GENERAL NOTES

1. For 3 or 4 post installations, individual post spacing shall be greater than 3'-6".
2. See tables below for required number of posts.
3. For expressways and freeways, mounting height is 7'-3" (±) or 6'-3" (±) depending upon existence of sub-sign.
4. The (±) tolerance for mounting height is 3 inches.
5. J-Assemblies are considered to be one sign for mounting height.
6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
7. Folding signs shall be mounted at a height of 5'-3" (±) or as directed by the engineer.
8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4"-3" (±).

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

*** See A4-3 sign plate for signs 4' or less in width and less than 20 S.F. in area.

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq. Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

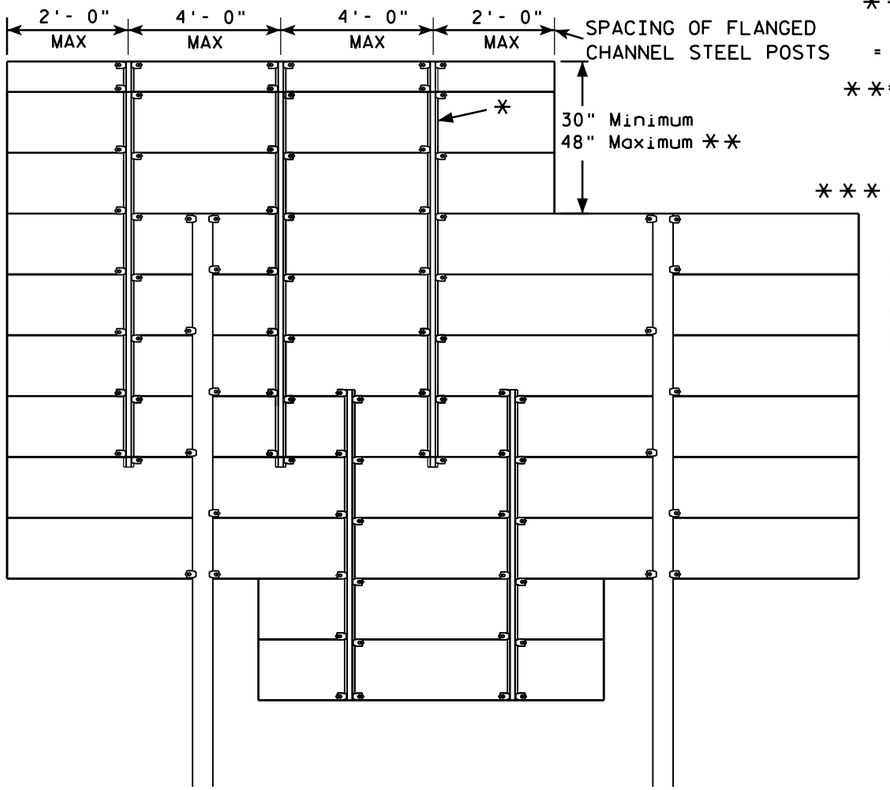
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 8/21/17 PLATE NO. A4-4.15

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 153	E

GROUND MOUNTED SIGN

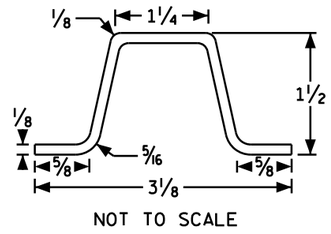


* =2.00 lb/ft FLANGED CHANNEL, MIN. YIELD STRENGTH = 60,000 PSI (GRADE 60) GALVANIZED

** =FOR 48" HEIGHT PANELS ON OVERHEAD STRUCTURES, ENTIRE SIGN SHALL BE CENTERED VERTICALLY ABOUT THE DEPTH OF THE TRUSS.

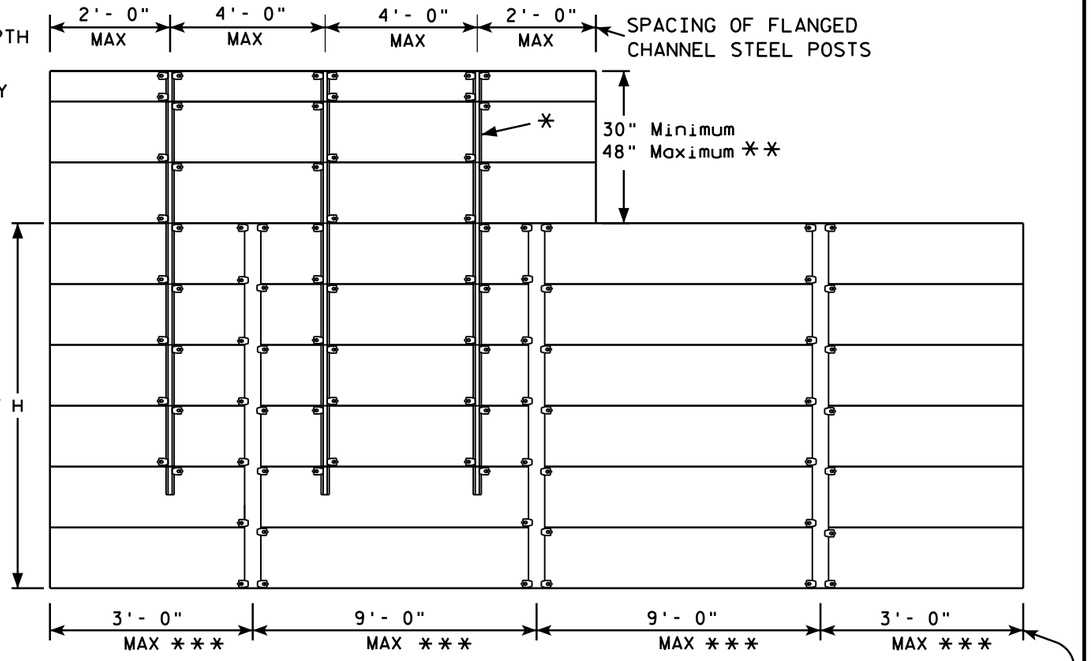
*** THESE SPACING DISTANCES SHALL ONLY BE USED WHEN THE MAIN SIGN HAS A MAXIMUM HEIGHT (DIMENSION H) OF 16 FT OR LESS. FOR SIGNS WITH A HEIGHT OF GREATER THAN 16 FT, STRUCTURAL CALCULATIONS SHALL BE PERFORMED.

FLANGE CHANNEL DETAIL



NOT TO SCALE

SIGN BRIDGE MOUNTED SIGN



GENERAL NOTES

1. Flanged channel steel posts shall conform to size and material above, and shall be considered as incidental to other items in the contract.
2. Number of Flanged channel steel supports varies with length of panel and shall be spaced as shown:

   PANEL LENGTH 8'-0" OR LESS = 2 CHANNELS
   PANEL LENGTH 9'- 0" - 12'- 0" = 3 CHANNELS
   PANEL LENGTH 13'- 0" OR MORE = 4 CHANNELS

   If the flanged channel steel posts can not be horizontally spaced as shown, they can be moved so as to securely hold the sign.
3. The EXIT NUMBER PANEL shall normally be positioned above the guide sign aligned with the right edge of the guide sign. If the guide sign indicates a left exit, the EXIT NUMBER PANEL shall be aligned with the left edge of the guide sign.
4. If the bolt holes in the top panel (EXIT NUMBER), or sub panel (NEXT EXIT) line up with holes in main sign panel, stitch bolts shall be used in addition to the channels.
5. Provide post clips for each sign as shown. (Please note the differences between a ground mounted versus Sign bridge mounted sign as far as number of clips required on the main supports or beams)
6. Structural steel sign supports shall extend to the top of the main signs, as shown on the above details.

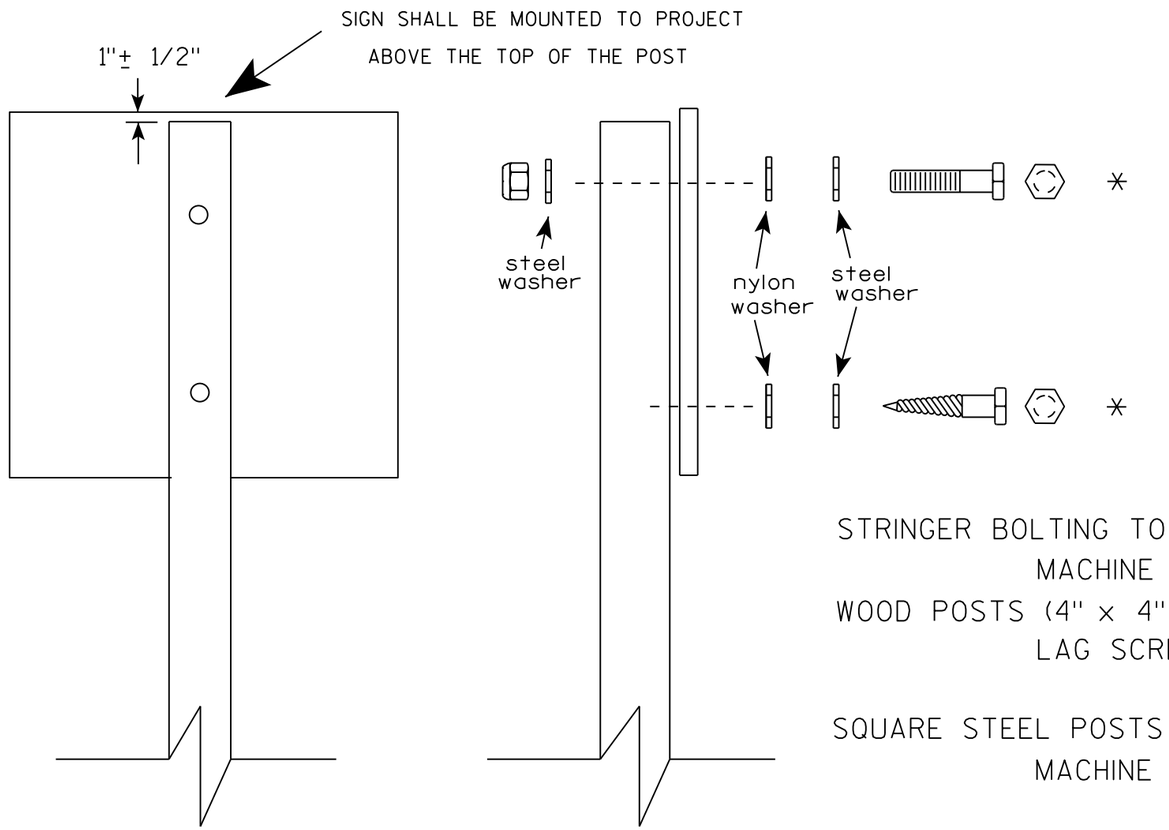
ATTACHMENT OF GUIDE SIGNS TO SUPPORTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/05/13 PLAT 154 A4-6.12

PROJECT NO: | SHEET NO: E



Nuts, bolts and lags used for mounting signs shall have hexagonal heads and shall be either :

a. Hot dip galvanized in accordance with ASTM Designation: A 153, Class D, or SC 3
b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.

Threads on bolts and nuts shall be manufactured with sufficient allowance for the cadmium plate or galvanized coating to permit the nuts to run freely on the bolts.

STRINGER BOLTING TO ALUMINUM SIGNS (SEE SIGN PLATE A4-18)
MACHINE BOLTS - 5/16" X 1-3/4" Length w/ lock nuts
WOOD POSTS (4" x 4" or 4" x 6")
LAG SCREWS - 3/8" X 3" (NO STRINGERS ON BACK OF SIGN)
3/8" X 4" (STRINGERS ON BACK OF SIGN)
SQUARE STEEL POSTS (2" x 2")
MACHINE BOLTS - 3/8" X 3-1/4" Length w/ nuts (NO STRINGER ON BACK OF SIGN)
3/8" X 5" Length w/ nuts (STRINGERS ON BACK OF SIGN)
RIVETS - 9/32 " (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL
O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH
WASHERS (ALL POSTS) -
1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON

* Two different fastening systems are shown for illustration purposes. On any individual sign, either one or the other system shall be used. Actual number of fasteners per sign varies with the sign area, but normally there are two. For a single post installation, all signs greater than 9 sq. ft. require the use of 3 fasteners.

ATTACHMENT OF SIGNS TO POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

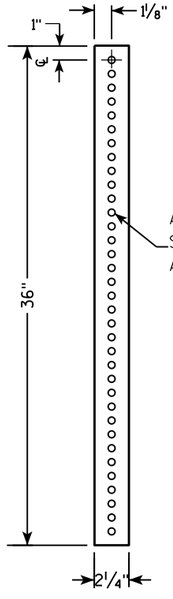
DATE 8/11/16 PLATE NO. A4-8.8

PROJECT NO: SHEET NO: E

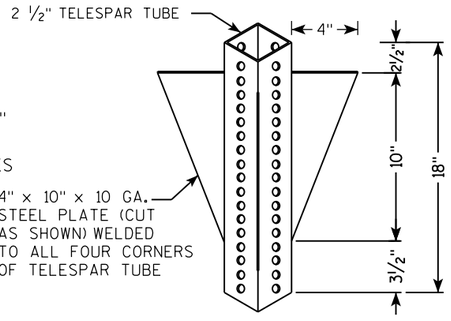
FILE NAME : C:\CADfiles\Projects\tr_stdplate\A48.DGN PLOT DATE : 11-AUG-2016 11:35 PLOT BY : $$ plotuser $$

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

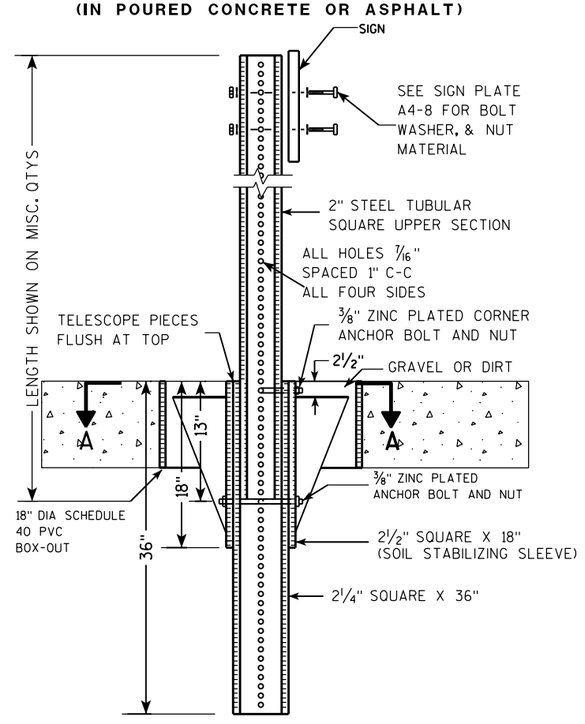
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



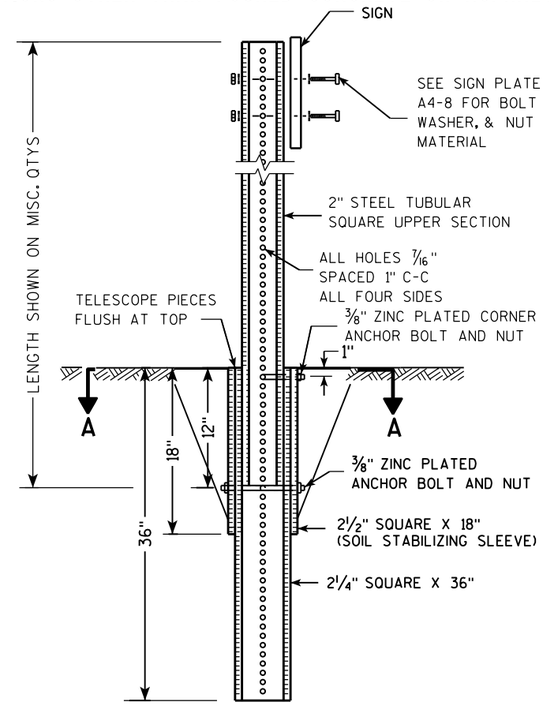
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

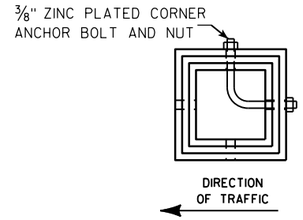


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



DETAIL OF TUBULAR STEEL SIGN POST
(IN LOCATIONS OTHER THAN POURED CONCRETE OR ASPHALT)





SECTION A-A

Area of Sign Installation (Sq. Ft.)	Number of Required Posts
9 or less	1
Greater than 9 less than or equal to 18	2
Greater than 18 less than or equal to 27	3

Signs wider than 3 feet or larger than 9 sq. ft shall be mounted on multiple posts (see above table).

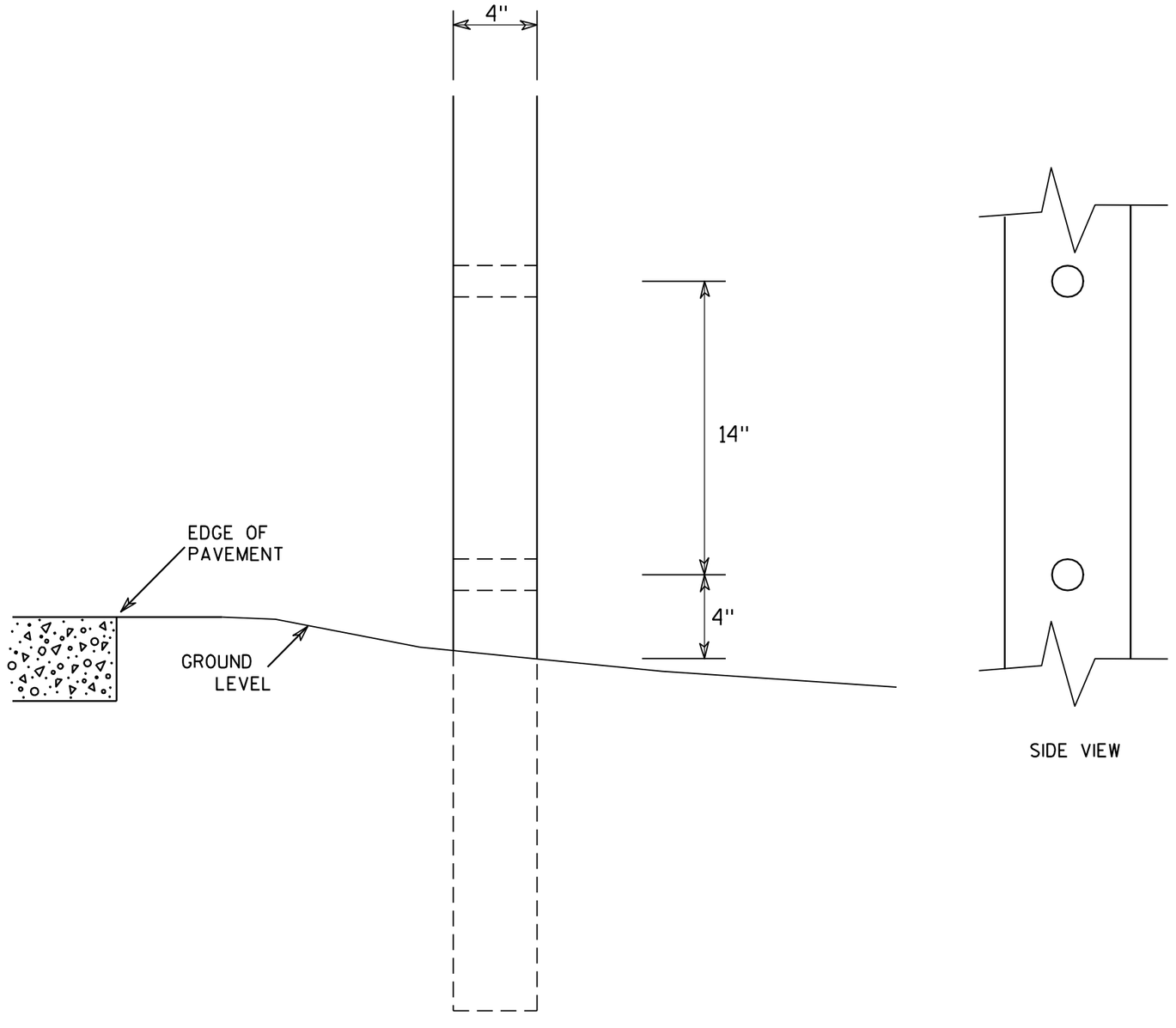
TUBULAR STEEL
SIGN POST
A4-9

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE 156 A4-9.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



SIDE VIEW

GENERAL NOTES

1. All 4 x 6 Wood Posts shall be modified by having two 1½" diameter holes drilled perpendicular to the roadway centerline.

7

7

4 X 6 WOOD POST MODIFICATIONS

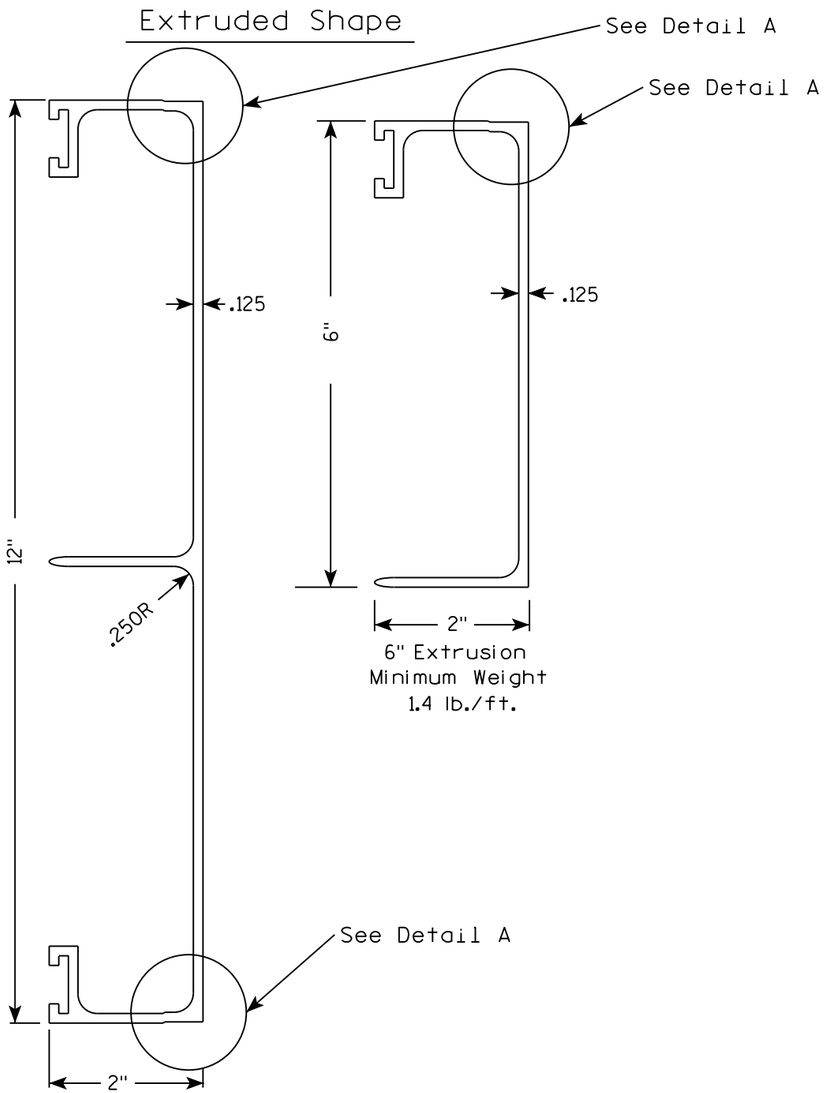
WISCONSIN DEPT OF TRANSPORTATION

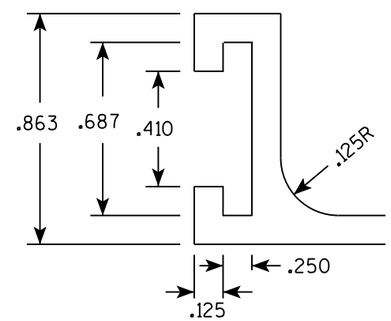
APPROVED Chester J Spang for State Traffic Engineer

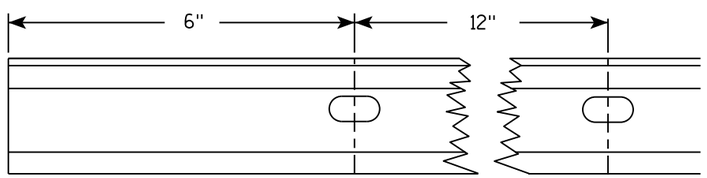
DATE 3/27/97 PLATE NO. A4-11.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 157	E

Extruded Shape







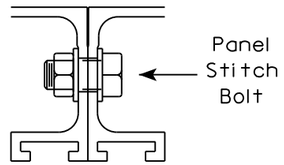
Punch 7/16" x 7/8" oval holes beginning 6" in from end of extrusion 12" CC on both edges of 6" and 12" panels.

Hardware

STITCH BOLT, WASHER & NUT

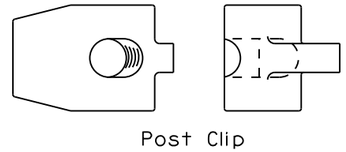
The hardware includes:

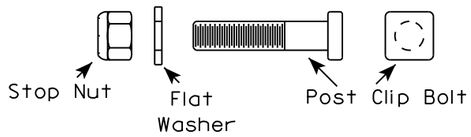
3/8 " - 16 X 3/4 " Economy Bolt 2024-T4 alloy
3/8 " - Stainless steel stop nut
3/8" X .064 Flat Washers, Alclad 2024-T4 alloy



POST CLIP, POST CLIP BOLT, WASHER & NUT

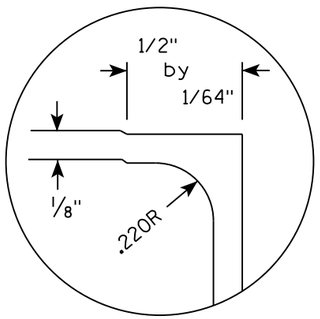
Post Clip shall be Alum. Alloy 356-T6
Post Clip Bolt shall be Stainless Steel.
Flat washer shall be 3/8" X .091, Stainless Steel.
Stop nut shall be stainless steel.





NOTES

1. The contractor may select any brand of extrusion that conforms to the illustrations or meets with the approval of the engineer, but all extrusions used on this contract shall be of the same brand.
2. Panel Stitch Bolts shall be used to assemble adjacent panels. Maximum stitch bolt spacing shall be 24" C-C, and a minimum of 4 bolts shall be used to connect any two extrusions.
3. Post Clips shall be used to attach the sign panel to the sign support.
4. Edge wrapping of sign sheeting required on all extrusions joints shown in Detail A.



DETAIL A (EDGE WRAP JOINT)

ALUMINUM EXTRUSIONS FOR TYPE I SIGNS

WISCONSIN DEPT OF TRANSPORTATION

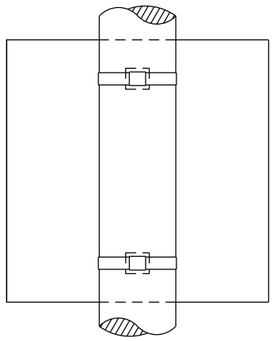
APPROVED Matthew R Rauch
for State Traffic Engineer

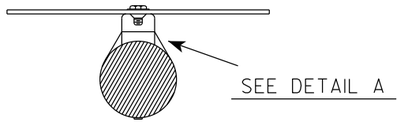
DATE 11/30/16 PLATE NO. A5-2.10

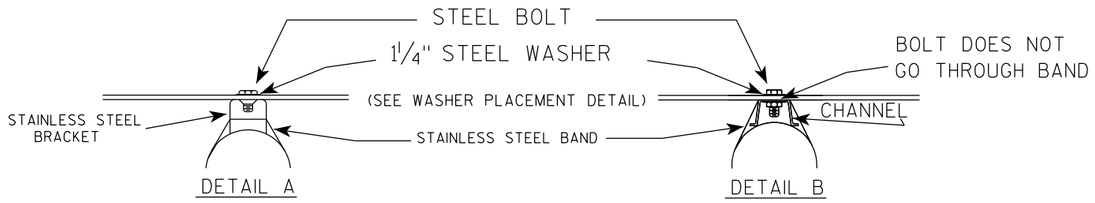
PROJECT NO:				SHEET NO: 158	E

BANDING

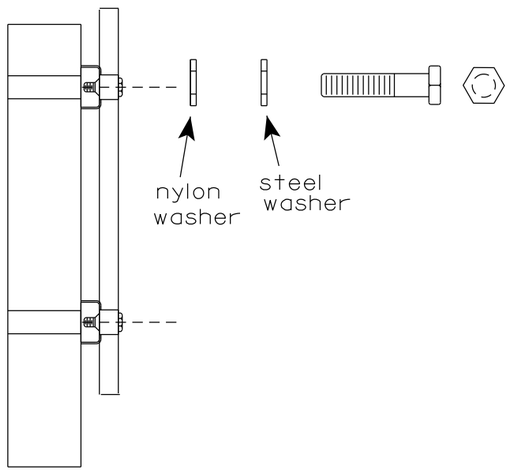
SINGLE SIGN







WASHER PLACEMENT

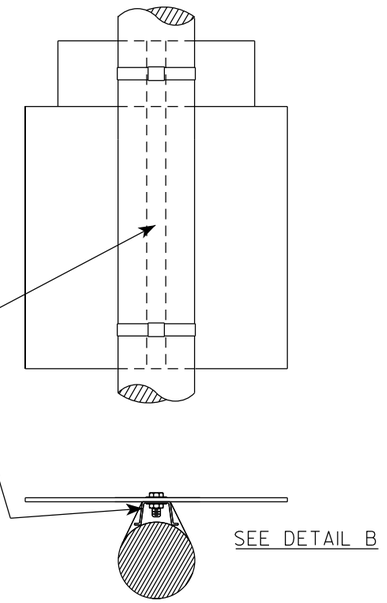


WASHERS (ALL POSTS) -
1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON
FOR ALL TYPE H SIGNS

GENERAL NOTES

1. Any sign over 3 feet in width shall use the V-Block banding method. See A5-10 standard plate.
2. Signs 3 feet or greater in height shall have three bracket bands installed. Signs less than 3 feet in height shall have two bracket bands installed.
3. Banding and assembly bracket shall be stainless steel. All bands shall be ¾" in width and 0.025" thickness.
4. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
   b. Electro-galvanized in accordance with ASTM designation: B 633, Type III, SC 3

"J" ASSEMBLY



STANDARD SIGN
SIGN BANDING DETAILS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

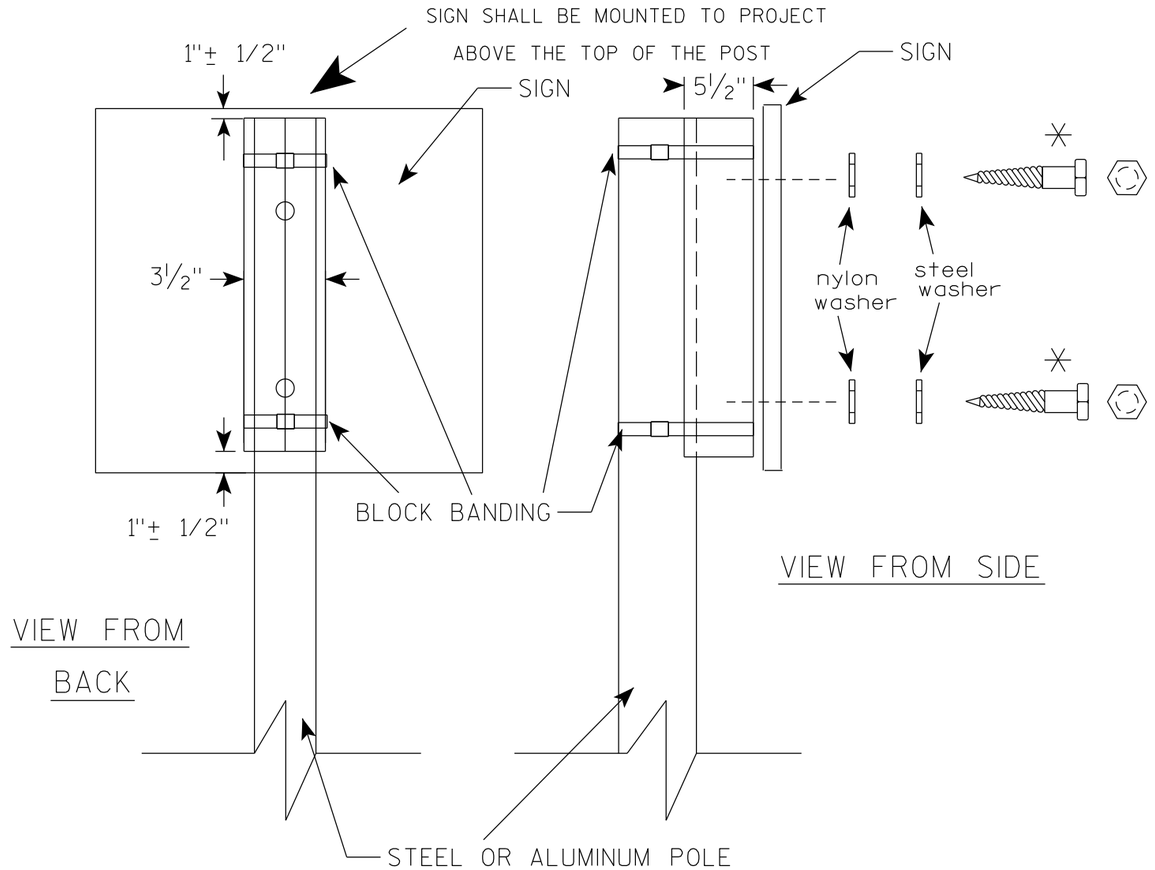
DATE 6/10/19 PLATE NO. A5-9.4

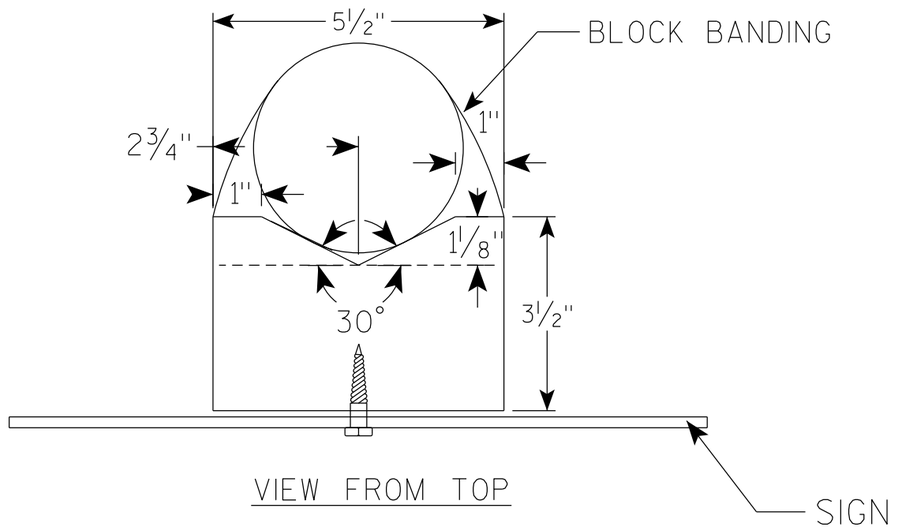
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 159	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A59.dgn PLOT DATE : 10-JUN 2019 4:10 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

7

7





GENERAL NOTES

1. WOOD 4"X6" POST MATERIAL SHALL CONFORM TO 507.2.2 OF THE WisDOT STANDARD SPECIFICATIONS
2. BLOCK BANDING AND CLIPS SHALL BE STAINLESS STEEL, ¾" WIDTH AND 0.025" THICKNESS
3. SIGNS 3' OR GREATER IN HEIGHT SHALL UTILIZE 3 BLOCK BANDS. SIGNS UNDER 3' IN HEIGHT SHALL UTILIZE 2 BLOCK BANDS
4. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA, BUT NORNALLY THERE ARE TWO. FOR SIGNS GREATER THAN 9 S.F. 3 FASTENERS SHALL BE USED.
5. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
   b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3
6. ALL BOLTS SHALL HAVE HEXAGONAL HEADS.
7. STEEL WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X 1/16"
8. NYLON WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X .080 FOR TYPE H OR TYPE F FACE SIGN

✳ LAG BOLTS SHALL BE ⅜" X 2½"

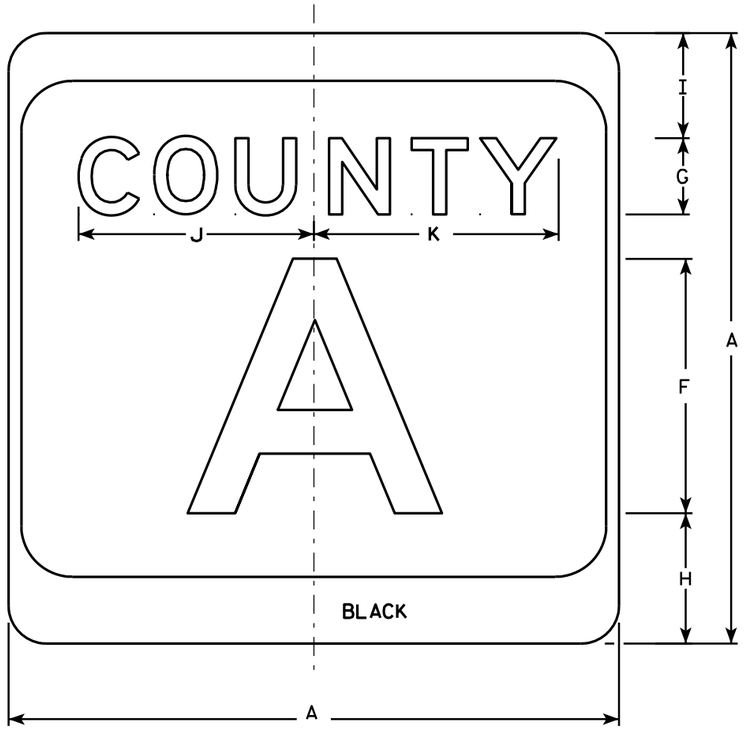
BLOCK BANDING DETAIL (V-BLOCK OPTION)

WISCONSIN DEPT OF TRANSPORTATION

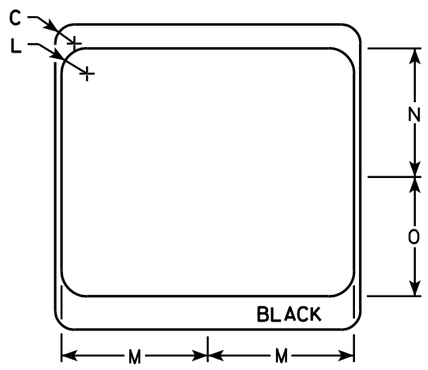
APPROVED Matthew R Rauch
For State Traffic Engineer

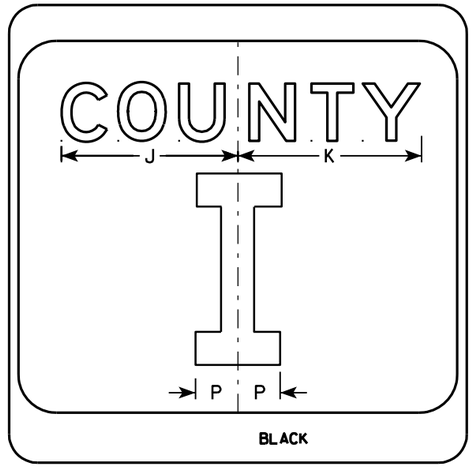
DATE 6/10/19 PLATE NO. A5-10.2

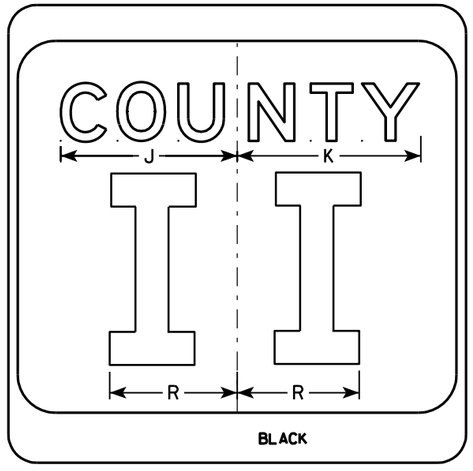
PROJECT NO:				SHEET NO: 160	E



M1-5A







NOTES

1. Sign is Type II - see Note 7 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White & Black - See Note 7
   Message - Black
3. Message Series - see Note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Message Series E for 1 letter.
   Message Series D for 2 letters unless message is too big then Series C.
   Message Series C for 3 letters unless message is too big then Series B.
6. Substitute appropriate letters & optically center to achieve proper balance.
7. Permanent Signs
   Background - Type H Reflective
   Detour or temporary Signs
   Background - Reflective

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24		1 1/2			10	3	5 1/8	4 1/8	9 1/4	9 5/8	2	11 1/2	10 1/8	9 3/8	2 1/4		6 5/8									4.0
3	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
4	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
5	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0

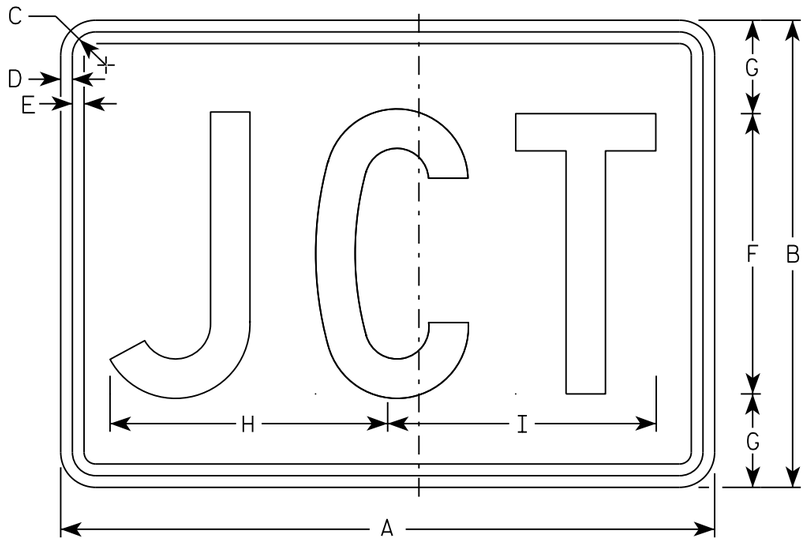
CTH MARKER
M1-5A FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

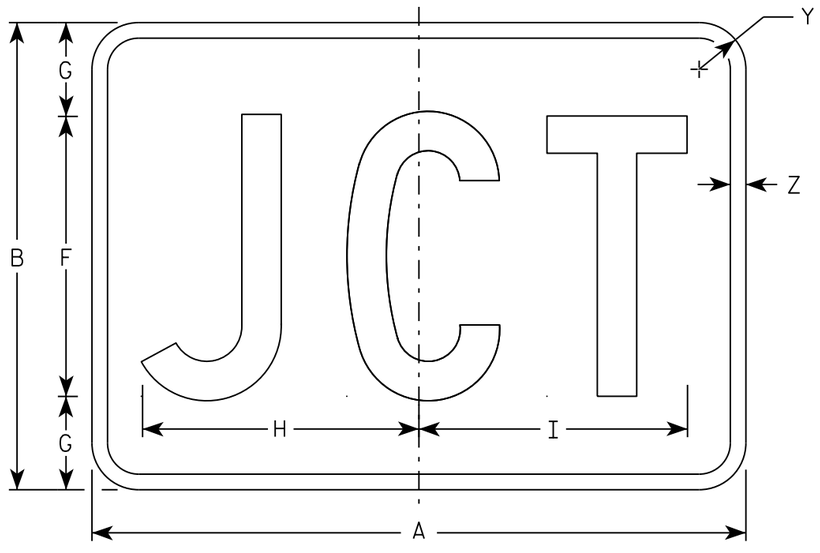
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/27/11 PLATE NO. M1-5A.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 161	E



M2-1
MM2-1
MP2-1



MB2-1
MK2-1
MN2-1
MR2-1

NOTES

1. Sign is Type II - Type H
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M2-1 Background - White
   Message - Black
   MB2-1 Background - Blue
   Message - White
   MK2-1 Background - Green
   Message - White
   MM2-1 Background - White
   Message - Green
   MN2-1 Background - Brown
   Message - White
   MP2-1 Background - White
   Message - Blue
   MR2-1 Background - Brown
   Message - Yellow

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21	15	1 1/8	3/8	3/8	9	3	8 7/8	8 5/8																1 1/2	1/2	2.20
3	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40
4	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40
5	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40

STANDARD SIGN
M2-1

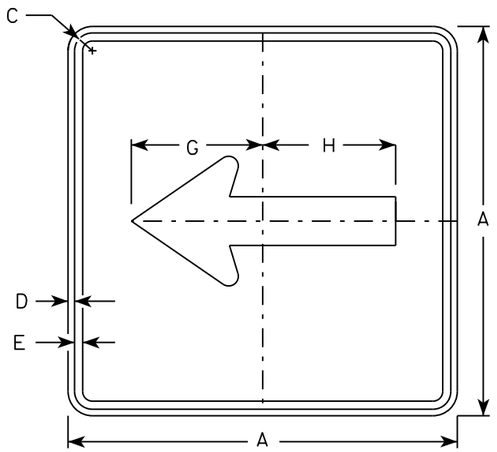
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

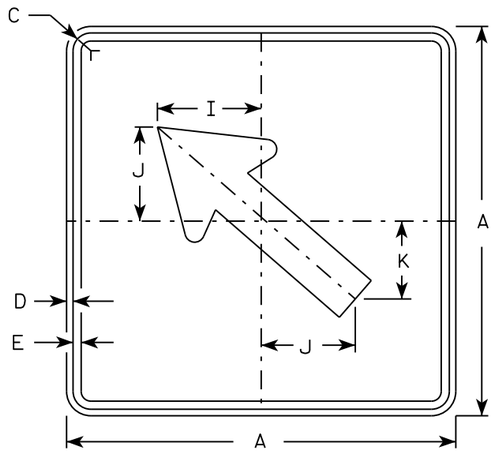
DATE 10/15/15 PLATE 162 12-1.12

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M21.DGN PLOT DATE : 01-DEC-2015 17:54 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 4.864603:1.000000



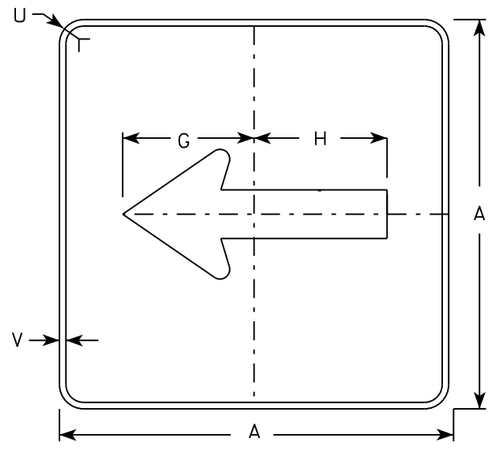
M6-1
MM6-1
MO6-1
MP6-1



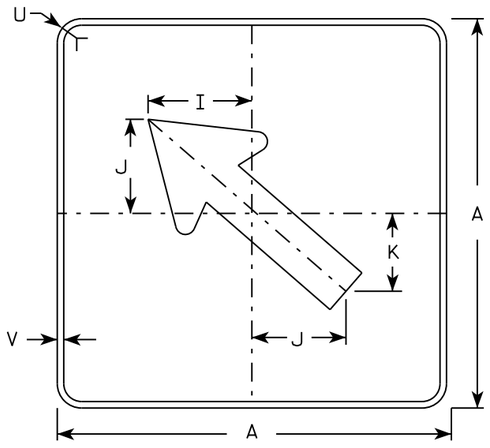
M6-2
MM6-2
MO6-2
MP6-2

NOTES

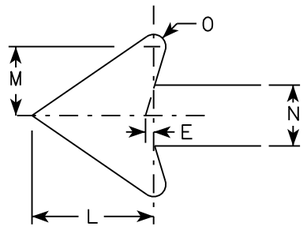
1. Signs are Type II - Type H except as Shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-1 and M6-2 Background - White
   Message - Black
   MB6-1 and MB6-2 Background - Blue
   Message - White
   MK6-1 and MK6-2 Background - Green
   Message - White
   MM6-1 and MM6-2 Background - White
   Message - Green
   MN6-1 and MN6-2 Background - Brown
   Message - White
   MO6-1 and MO6-2 Background - Orange - Type F Reflective
   Message - Black
   MP6-1 and MP6-2 Background - White
   Message - Blue
   MR6-1 and MR6-2 Background - Brown
   Message - Yellow



MB6-1
MK6-1
MN6-1
MR6-1



MB6-2
MK6-2
MN6-2
MR6-2



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7 1/2	7 1/8	5 5/8	5	4 1/4	5 1/4	3	2 5/8	1/2						1 1/2	1/2						3.06
3	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25
4	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25
5	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25

STANDARD SIGN
M6-1 & M6-2
SERIES

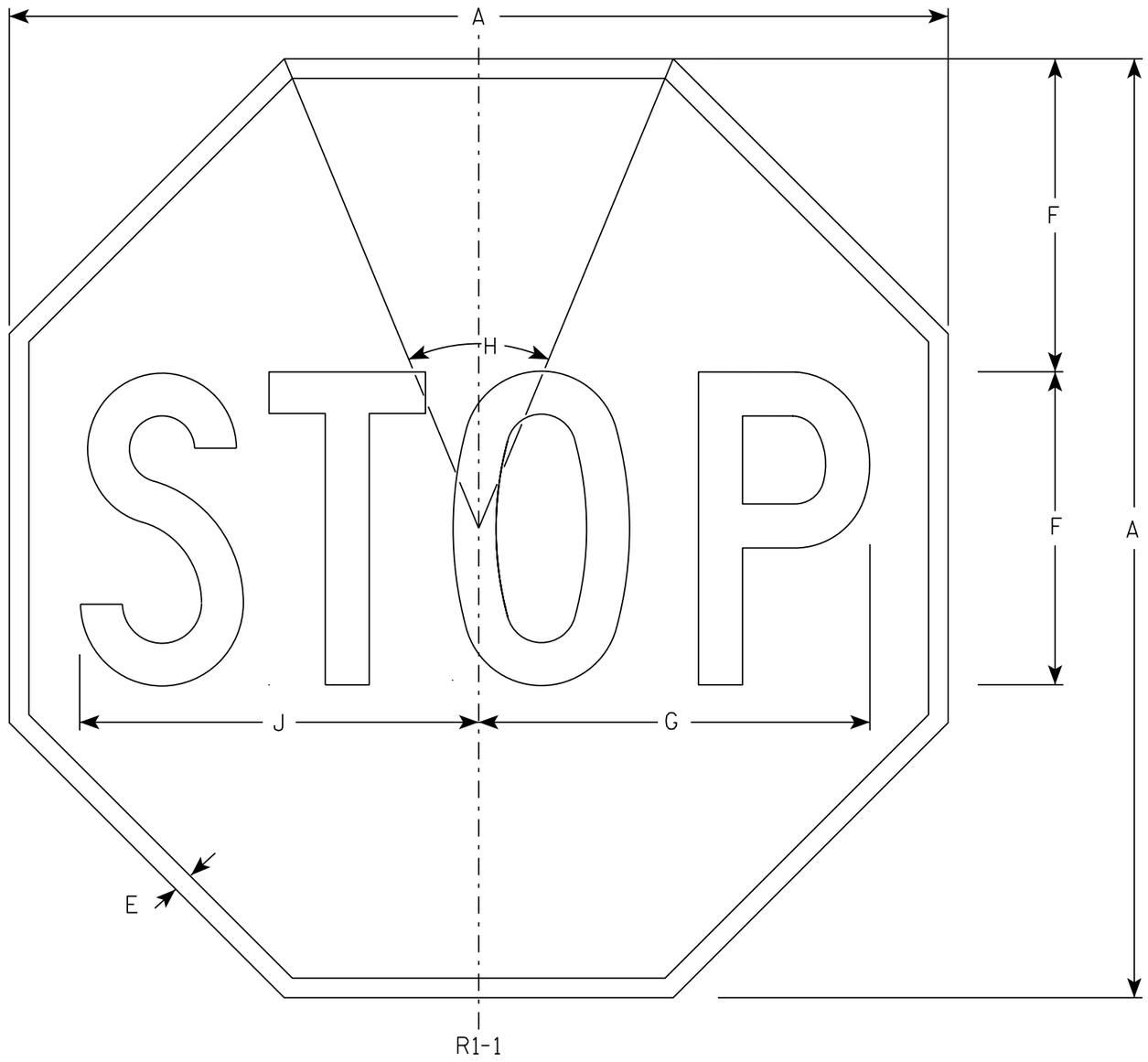
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/15/15 PLATE 163 M6-1.15

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M61.DGN PLOT DATE : 01-DEC-2015 17:57 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
   Message - White
3. Message Series - C

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2S	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2M	36				3/4	12	15	45°		15 3/8																	7.46
3	36				3/4	12	15	45°		15 3/8																	7.46
4	48				1	16	20	45°		20 1/2																	13.25
5	48				1	16	20	45°		20 1/2																	13.25
6	18				3/8	6	7 3/4	45°		7 3/4																	1.86
7	12				1/4	4	5	45°		5 1/8																	0.78

STANDARD SIGN

R1-1

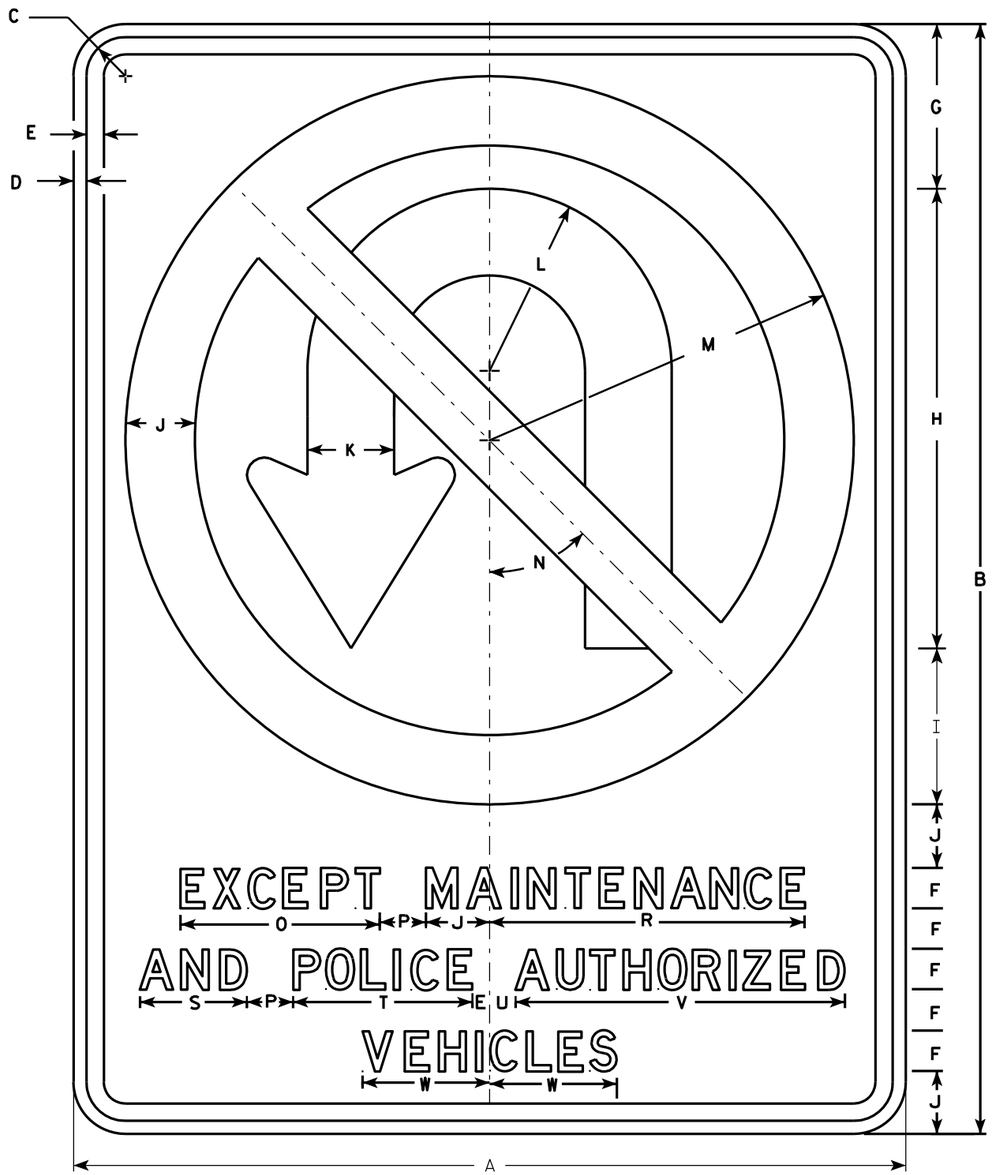
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

for State Traffic Engineer

DATE 11/12/15 PLATE NO. R1-1.13

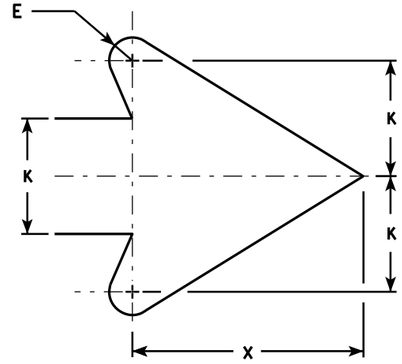
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 164	E



R3-4B

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S																											
2M																											
3																											
4	36	48	1 5/8	5/8	3/4	1 3/4	7 1/8	19 7/8	6 3/4	2 3/4	3 3/4	7 7/8	15 3/4	45°	8 5/8	2		13 5/8	4 5/8	7 3/4	1 1/8	14 1/4	5 1/2	7 5/8			12.0
5	36	48	1 5/8	5/8	3/4	1 3/4	7 1/8	19 7/8	6 3/4	2 3/4	3 3/4	7 7/8	15 3/4	45°	8 5/8	2		13 5/8	4 5/8	7 3/4	1 1/8	14 1/4	5 1/2	7 5/8			12.0

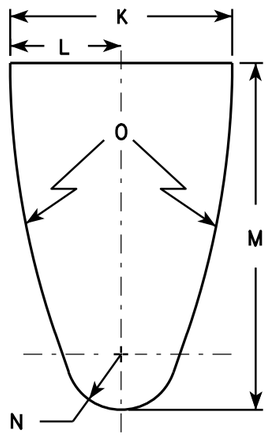
STANDARD SIGN
R3-4B

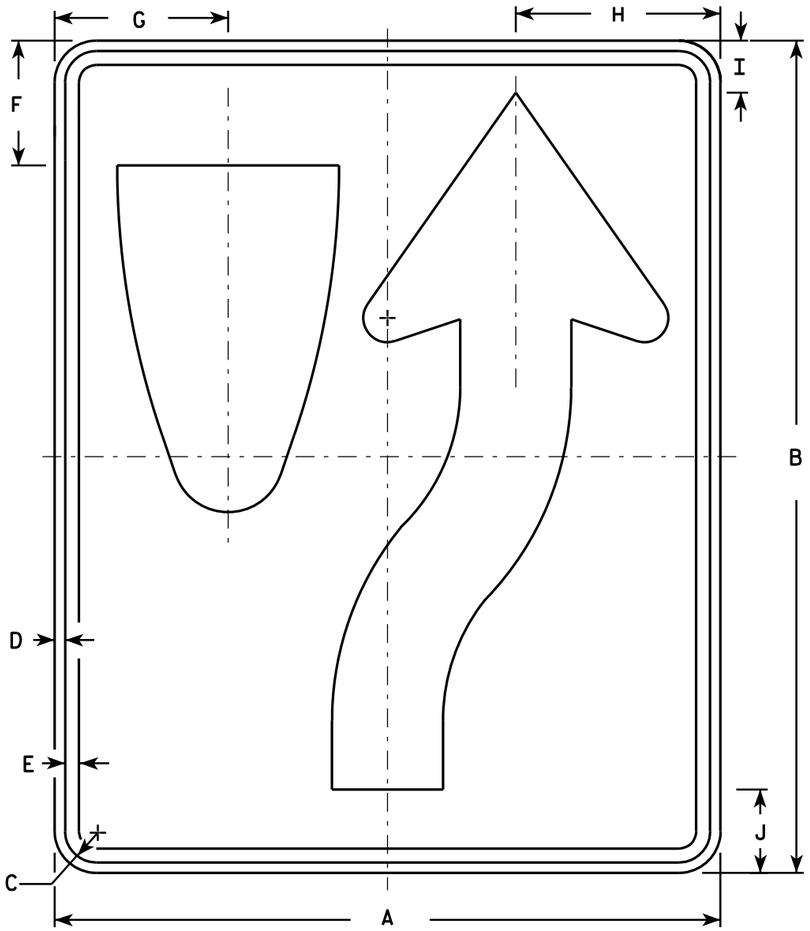
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/17/2011 PLATE NO. R3-4B.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 165	E

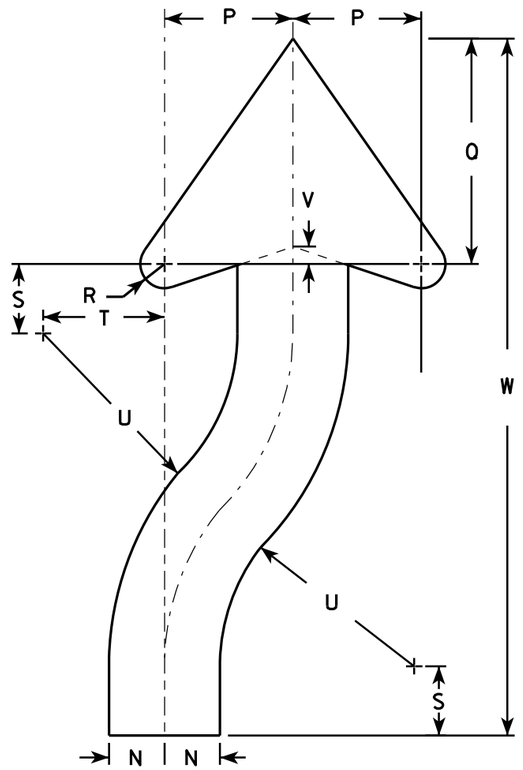




R4-7

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition. material is plywood but borders shall be rounded
2. Color:
   Background - White
   Message - Black
3. Corners may be square or rounded when base as shown. When base material is metal, the corners and borders shall be rounded.
4. R4-8 is the same as R4-7 except Legend is reversed.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	24	1 1/8	3/8	1/2	3 3/8	4 3/4	5 1/2	1 3/8	2 1/4	6	3	9 3/8	1 1/2	22 1/2	3 1/2	6 1/8	5/8	1 7/8	3 1/4	6 3/4	1/2	20 3/8				3.0
2S	24	30	1 1/8	3/8	1/2	4 1/2	6 1/4	7 3/8	1 7/8	3	8	4	12 1/2	2	30	4 5/8	8 1/8	7/8	2 1/2	4 3/8	9	5/8	25 1/8				5.0
2M	24	30	1 1/8	3/8	1/2	4 1/2	6 1/4	7 3/8	1 7/8	3	8	4	12 1/2	2	30	4 5/8	8 1/8	7/8	2 1/2	4 3/8	9	5/8	25 1/8				5.0
3	36	48	1 3/4	1/2	5/8	6 3/4	9 3/8	11 1/8	2 7/8	4 1/2	12	6	18 3/4	3	45	6 7/8	12 1/4	1 1/4	3 3/4	6 5/8	13 1/2	1	40 3/4				12.0
4	36	48	1 3/4	1/2	5/8	6 3/4	9 3/8	11 1/8	2 7/8	4 1/2	12	6	18 3/4	3	45	6 7/8	12 1/4	1 1/4	3 3/4	6 5/8	13 1/2	1	40 3/4				12.0
5	48	60	2 1/4	3/4	1	9	12 1/2	14 3/4	3 3/4	6	16	8	25	4	60	9 1/4	16 1/4	1 5/8	5	8 3/4	18	1 1/4	50 1/4				20.0

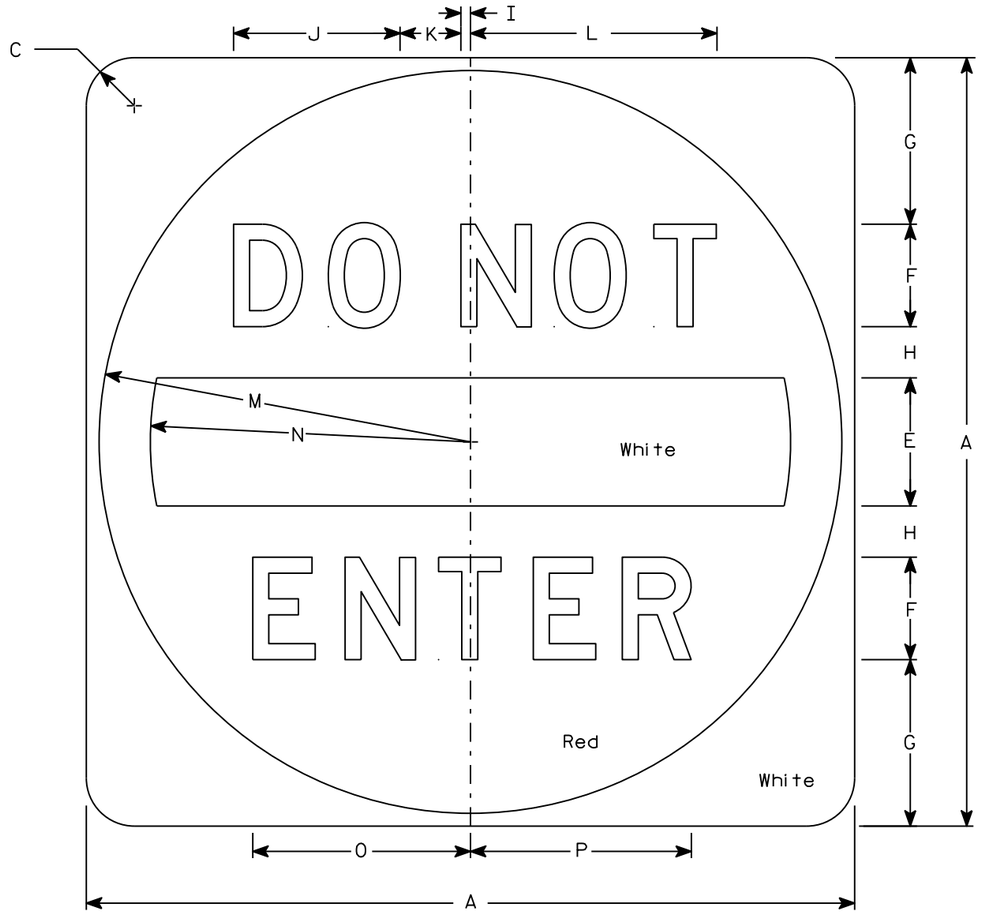
STANDARD SIGN
R4-7 & R4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 3/25/2011 PLATE NO. R4-7.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 166	E



R5-1

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - See detail
   Message - White
3. Message Series - D

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30		1 7/8		5	4	6 1/2	2	3/8	6 1/2	2 3/8	9 5/8	14 1/2	12 1/2	8 1/2	8 5/8											6.25
2M	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
3	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
4	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
5	48		3		8	6	11	3	5/8	9 3/4	3 5/8	14 1/2	23 1/2	20	12 3/4	12 7/8											16.0

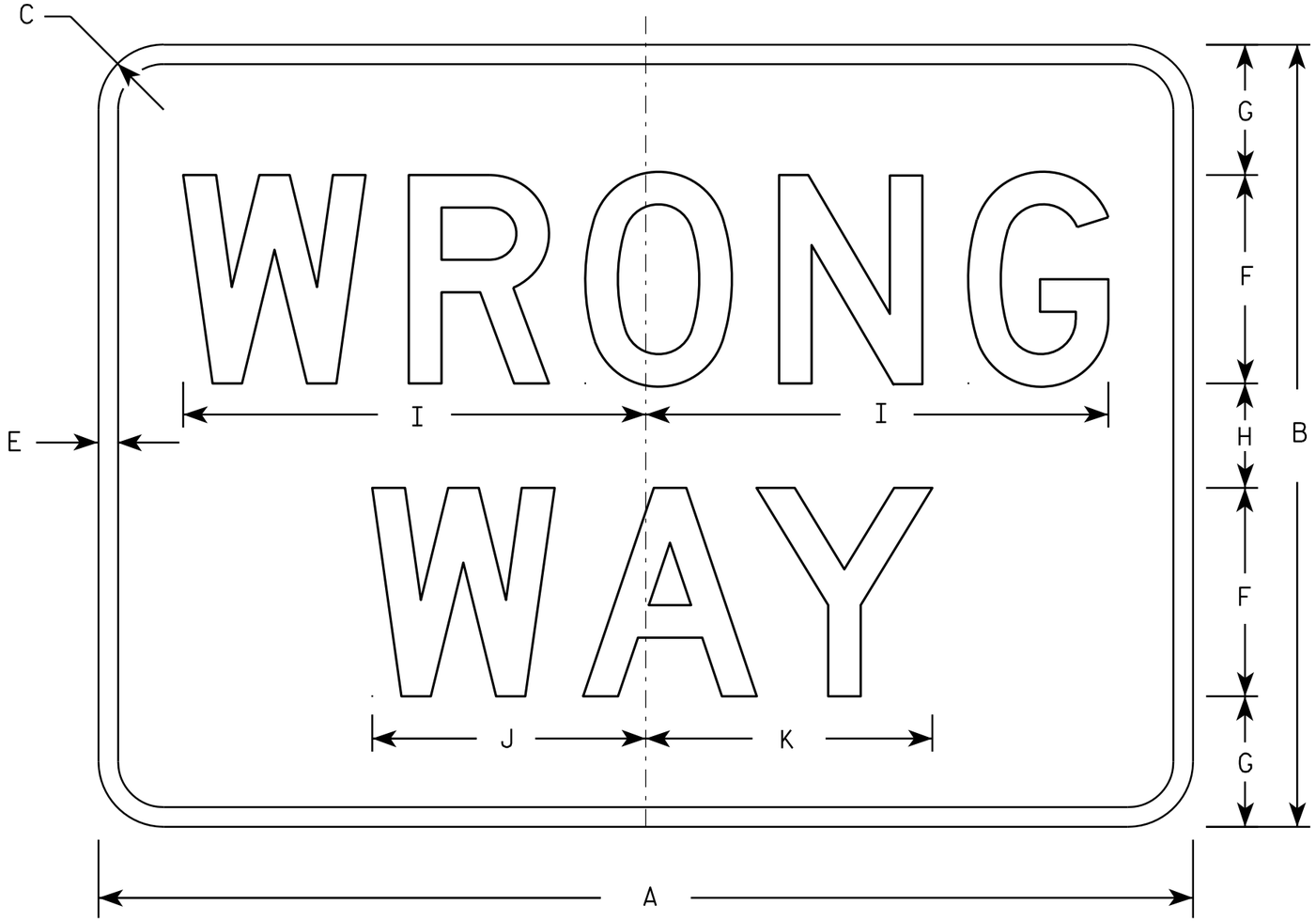
STANDARD SIGN
R5-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/15/18 PLATE NO. R5-1.16

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 167 | E



R5-1A

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
   Message - White
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30	18	1 1/2		1/2	5	3	2	11	6 1/2	6 7/8																3.75
2S	36	24	2		5/8	6	4 1/2	3	13 1/4	7 7/8	8 1/4																6.00
2M	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75
3	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75
4	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75
5	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75

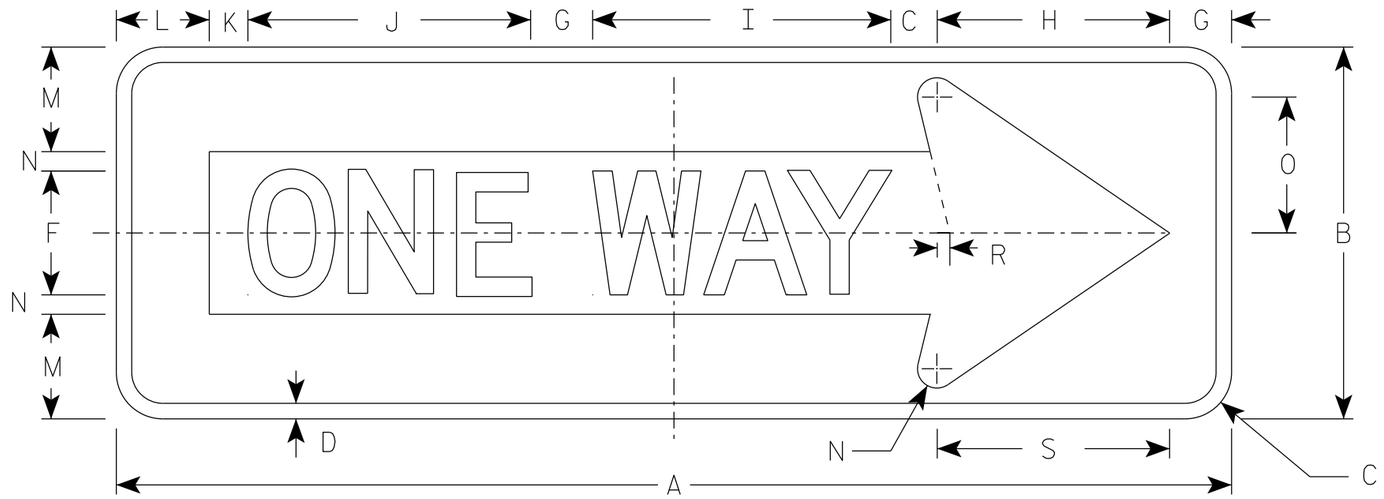
STANDARD SIGN
R5-1A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/17/10 PLATE NO. R5-1A.2

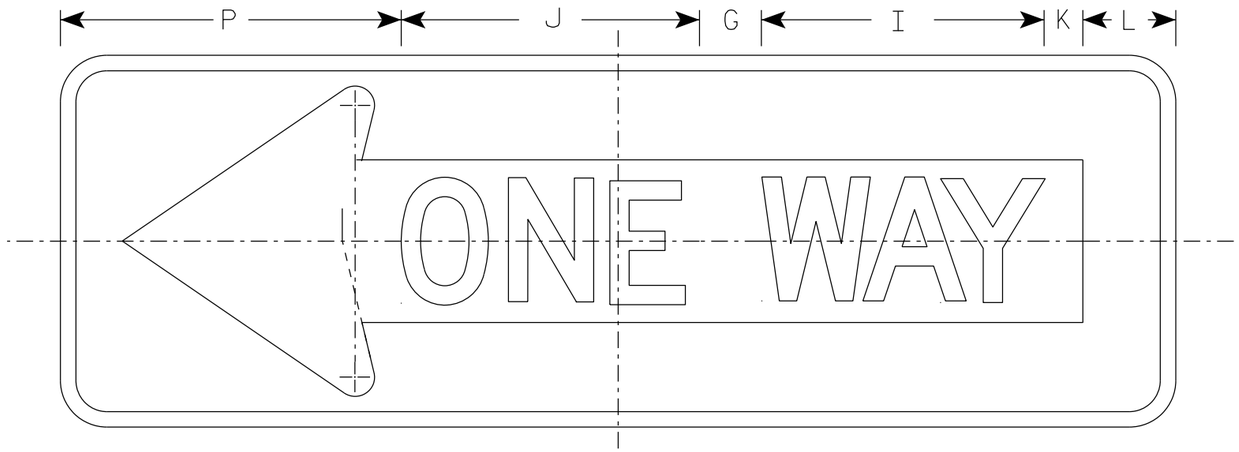
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 168 | E



R6-1R

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - BLACK
   Message - BLACK LEGEND & WHITE ARROW & BORDER
3. Message Series - D



R6-1L

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	36	12	1 1/2	1/2		4	2	7 1/2	9 5/8	9 1/8	1 1/4	3	3 3/8	5/8	4 3/8	11		3/8	7 1/2								3.0
2M	54	18	2 1/4	3/4		6	3	11 1/4	13 5/8	14 1/2	1 7/8	4 1/2	5	1	6 1/2	16 1/2		5/8	11 1/4								6.75
3	54	18	2 1/4	3/4		6	3	11 1/4	13 5/8	14 1/2	1 7/8	4 1/2	5	1	6 1/2	16 1/2		5/8	11 1/4								6.75
4	54	18	2 1/4	3/4		6	3	11 1/4	13 5/8	14 1/2	1 7/8	4 1/2	5	1	6 1/2	16 1/2		5/8	11 1/4								6.75
5																											

STANDARD SIGN
R6-1 L & R

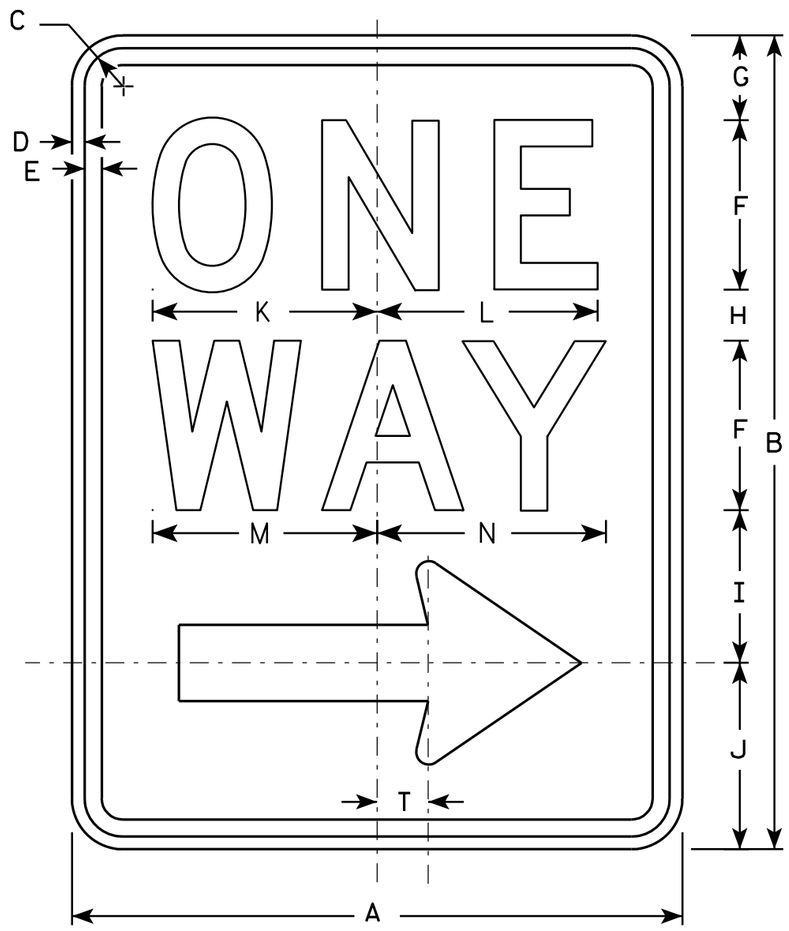
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 07/11/18 PLATE NO. R6-1.3

PROJECT NO:

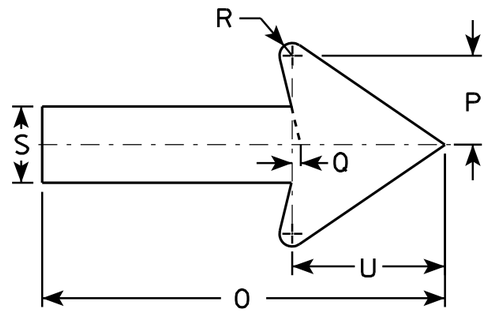
SHEET NO: 169 E



R6-2R

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. R6-2L same as R6-2R except arrow points to the left.



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1	18	24	1 1/8	3/8	1/2	5	2 1/2	1 1/2	4 1/2	5 1/2	6 5/8	6 1/2	6 5/8	6 3/4	11 7/8	2 5/8	1/4	3/8	2 1/4	1 1/2	4 1/2					
2S	24	30	1 1/8	3/8	1/2	6	3	2 1/2	5 1/2	7	8 1/8	8 1/8	8 1/2	8 5/8	16	3 1/2	3/8	1/2	3	2	6					
2M	30	36	1 3/8	1/2	5/8	8	2 1/2	2 5/8	6 7/8	8	10 1/2	10 1/2	11 1/4	11 1/4	20	4 3/8	1/2	5/8	3 3/4	2 1/2	7 1/2					
3	36	48	1 7/8	1/2	5/8	10	5 1/4	3 1/4	9	10 1/2	12 3/4	12 3/4	13 1/4	13 1/2	24	5 5/8	1/2	3/4	4 3/4	3	9					
4	36	48	1 7/8	1/2	5/8	10	5 1/4	3 1/4	9	10 1/2	12 3/4	12 3/4	13 1/4	13 1/2	24	5 5/8	1/2	3/4	4 3/4	3	9					
5																										

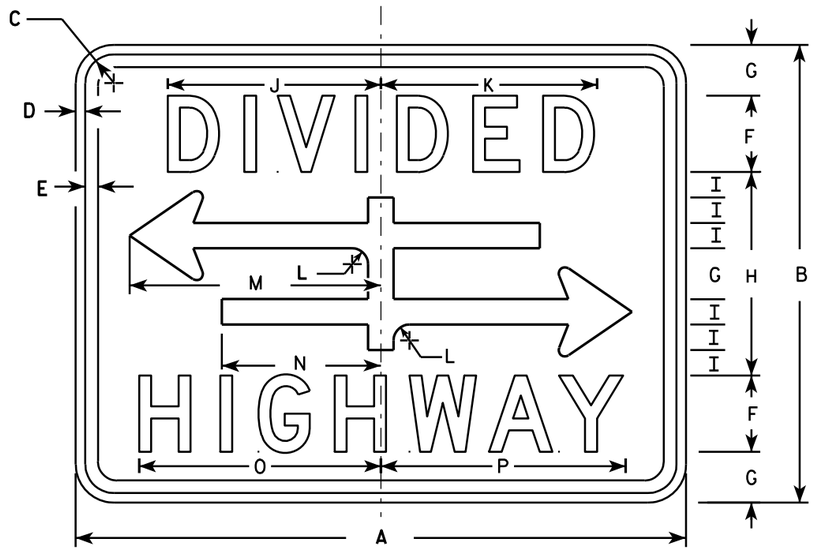
STANDARD SIGN
R6-2 R&L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/2/10 PLATE NO. R6-2.8

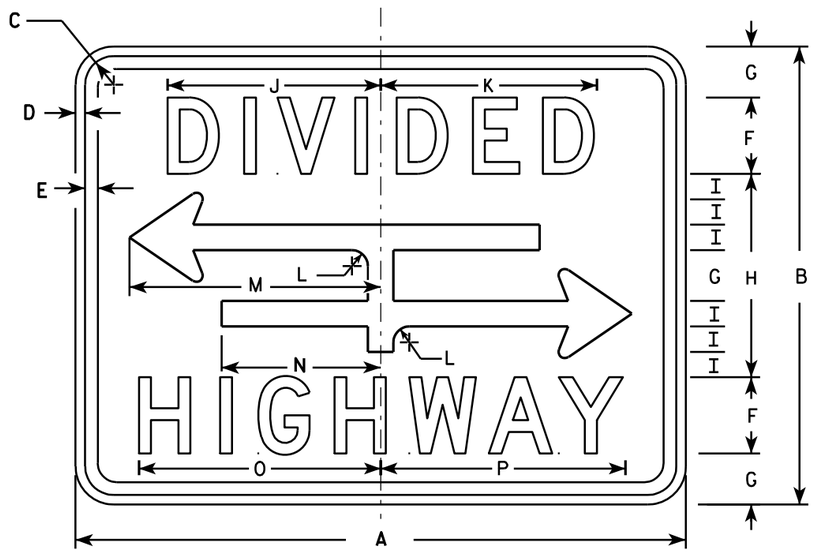
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 170	E



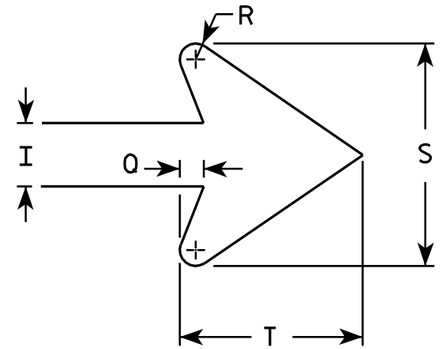
R6-3

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



R6-3A



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24	18	1 1/8	3/8	3/8	3	2	8	1	8 3/8	8 1/2	5/8	9 7/8	6 1/4	9 1/2	9 5/8	3/8	1/4	3 1/2	2 3/4							3.0
2S	30	24	1 1/8	3/8	1/2	4	2 5/8	10 3/4	1 3/8	10 1/2	10 5/8	7/8	12 1/2	7 7/8	12 1/4	12 3/8	1/2	3/8	4 5/8	3 5/8							5.0
2M	30	24	1 1/8	3/8	1/2	4	2 5/8	10 3/4	1 3/8	10 1/2	10 5/8	7/8	12 1/2	7 7/8	12 1/4	12 3/8	1/2	3/8	4 5/8	3 5/8							5.0
3																											
4																											
5																											

STANDARD SIGN
R6-3 & R6-3A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

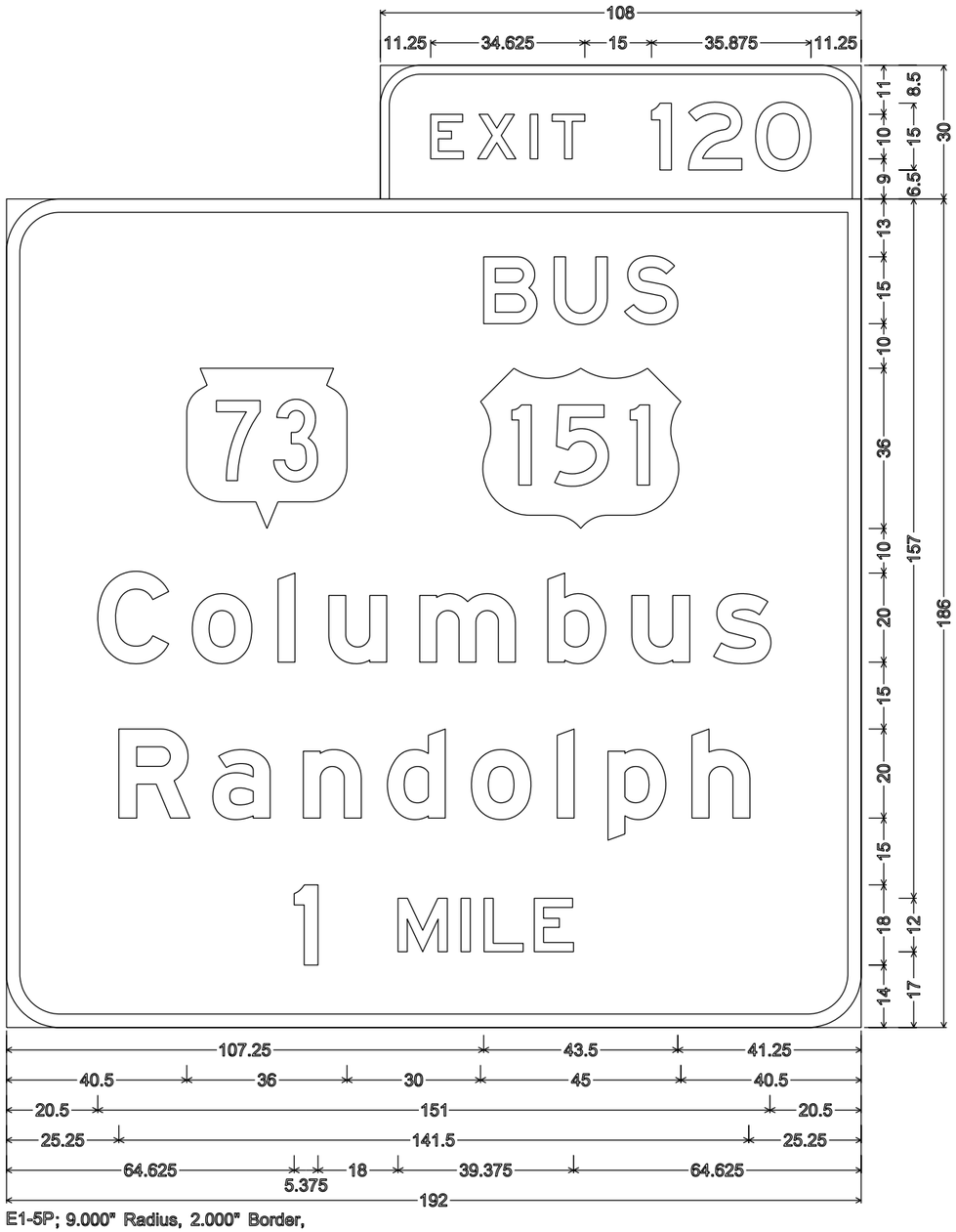
DATE 3/31/2011 PLATE NO. R6-3.5

PROJECT NO:

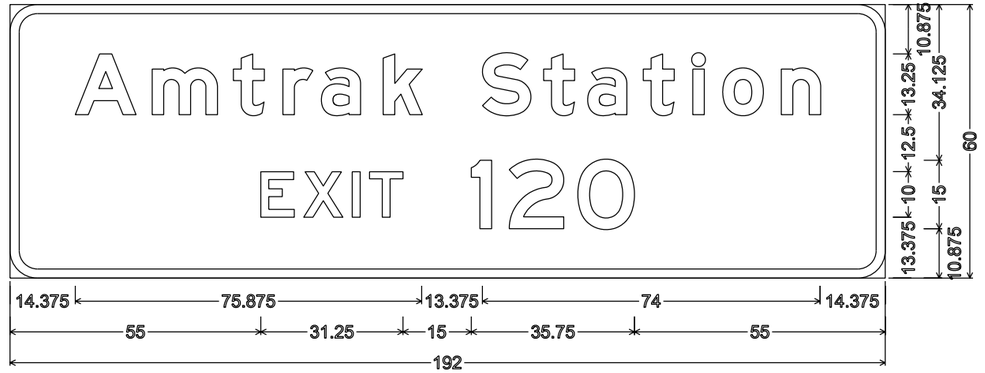
SHEET NO: 171 E

NOTES

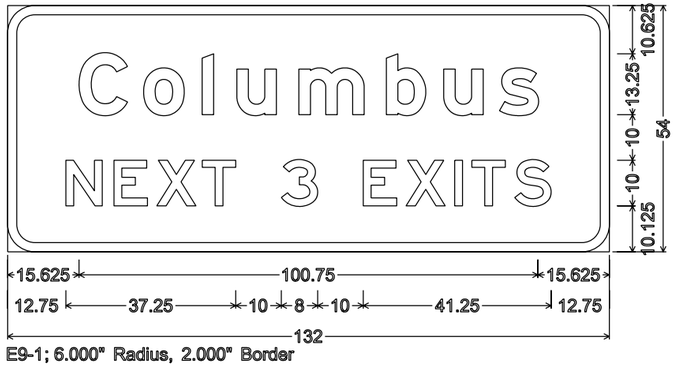
1. All Signs are Type I - Type SH Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - E Modified except all CAP words Series E



E1-5P; 9.000" Radius, 2.000" Border,
E1-1A; 12.000" Radius, 3.000" Border



E3-1; 6.000" Radius, 2.000" Border



E9-1; 6.000" Radius, 2.000" Border

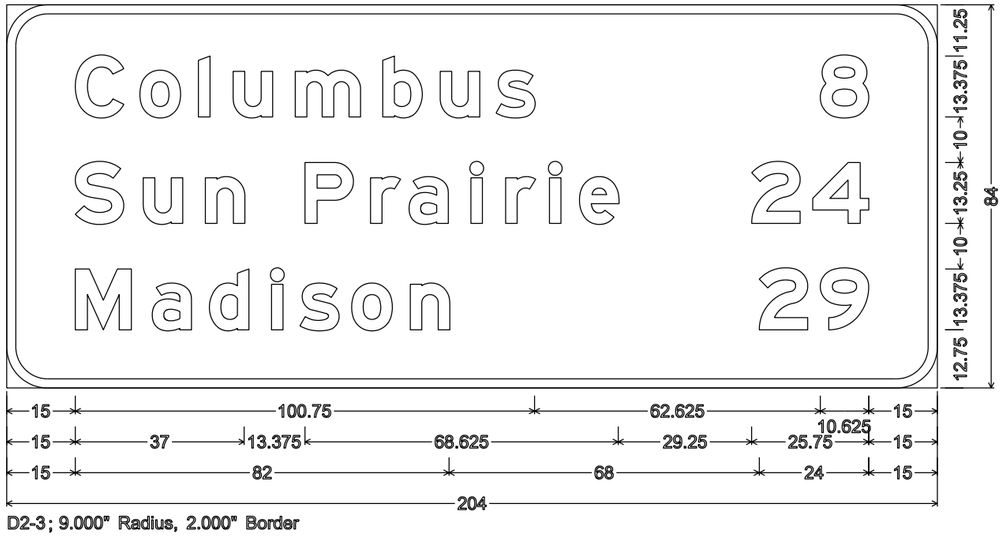
7

7

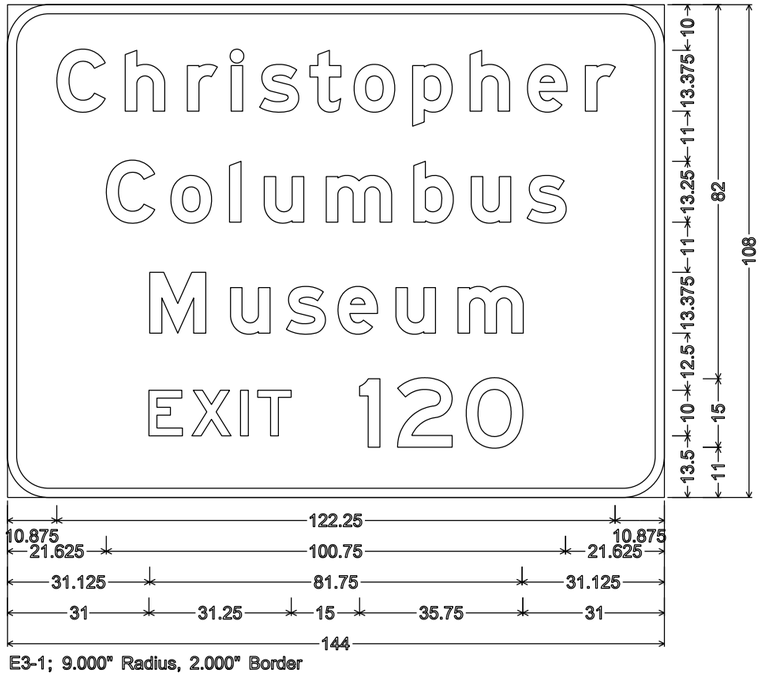
PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	PERMANENT SIGNING	SHEET NO: 172	E

NOTES

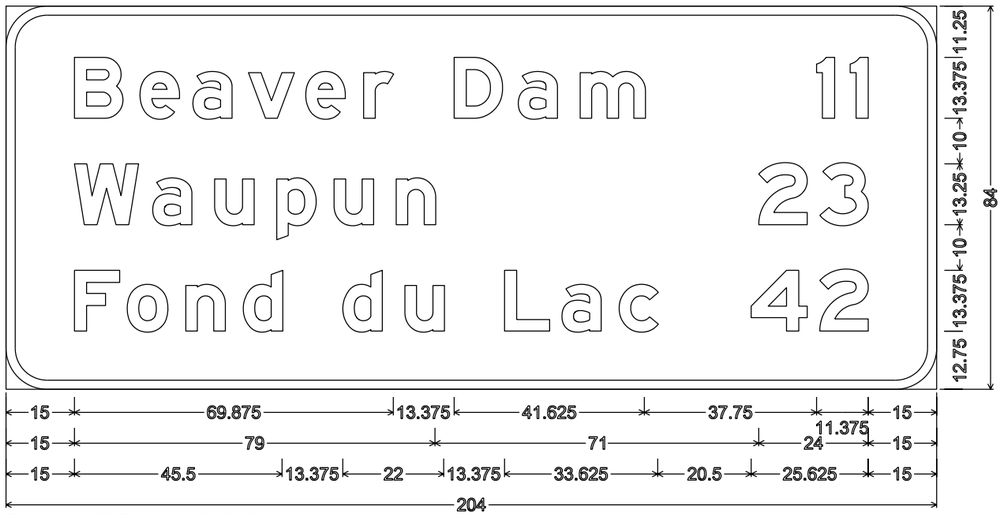
1. All Signs are Type I - Type SH Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - E Modified except all CAP words Series E



D2-3; 9.000" Radius, 2.000" Border



E3-1; 9.000" Radius, 2.000" Border



D2-3; 9.000" Radius, 2.000" Border

7

7

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	PERMANENT SIGNING	SHEET NO: 173	E

FILE NAME : C:\CAEfiles\Projects\tr_d1_1141d619.dgn PLOT DATE : 6-JUN 2019 4:15 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

FILE NAME : \\nad31zp1\projects\state\USH_151\1111-03-02\PSE\11110382\Working files\1 EWK_USH 151.ppt
PLOT DATE : 6/26/2019 10:09 AM
PLOT BY : _____
PLOT NAME : _____
PLOT SCALE : 1:1

Earthwork Summary
Sta. 1585+50 NB to Sta. 1959+47 NB, NB & SB lanes

	AREA (SF)		Incremental Vol (CY)		Cumulative Vol (CY)		
STATION	Cut	Fill	Cut	Fill	Cut	Fill	Mass Ordinate
1585+50	4.9	1.3	0	0	0	0	0
1586+00	5.7	1.8	10	3	10	3	7
1587+00	2.2	2.5	15	8	24	11	14
1588+00	2.7	2.8	9	10	34	21	13
1589+00	3.2	2.2	11	9	44	30	15
1590+00	2.3	2.0	10	8	55	38	17
1591+00	1.4	2.8	7	9	61	47	15
1592+00	1.1	4.5	5	13	66	60	6
1593+00	1.3	3.1	4	14	70	74	-4
1594+00	1.1	1.7	4	9	75	83	-8
1595+00	1.3	1.9	4	7	79	90	-10
1596+00	1.4	0.8	5	5	84	94	-10
1597+00	2.4	1.0	7	3	91	98	-6
1598+00	5.5	1.6	15	5	106	103	3
1599+00	5.0	10.5	19	22	126	125	0
1600+00	5.2	10.3	19	38	144	164	-19
1601+00	6.5	12.4	22	42	166	206	-40
1602+00	10.0	14.3	30	49	196	255	-59
1603+00	10.0	11.3	37	47	234	302	-69
1604+00	11.3	14.2	39	47	273	350	-77
1605+00	8.6	18.3	37	60	310	410	-100
1606+00	9.2	9.7	33	52	343	462	-119
1607+00	9.8	3.7	35	25	378	486	-109
1608+00	0.6	3.9	19	14	397	500	-103
1609+00	1.9	0.7	4	8	401	509	-108
1610+00	2.6	0.4	8	2	410	511	-101
1611+00	2.7	0.1	10	1	419	512	-92
1612+00	1.0	1.9	7	4	426	515	-89
1613+00	2.3	0.9	6	5	432	521	-88
1614+00	2.8	0.7	9	3	442	524	-82
1615+00	3.6	0.1	12	1	454	525	-71
1616+00	9.3	0.8	24	2	477	526	-49
1617+00	4.5	13.9	26	27	503	554	-51
1618+00	5.4	14.1	19	52	522	606	-84
1619+00	11.2	25.1	31	73	552	678	-126
1620+00	0.0	0.0	21	46	573	725	-151
1621+00	18.3	11.2	34	21	607	745	-138
1622+00	9.9	1.2	52	23	659	768	-109
1623+00	14.2	12.9	45	26	704	794	-90
1624+00	12.6	16.3	50	54	754	848	-95
1625+00	15.8	24.2	53	75	806	924	-117
1626+00	11.5	28.7	51	98	857	1,022	-165
1627+00	0.0	0.0	21	53	878	1,075	-197
1628+00	10.1	13.4	19	25	897	1,100	-203
1629+00	9.1	1.6	36	28	932	1,127	-195
1630+00	12.5	1.1	40	5	972	1,132	-160
1631+00	13.7	1.2	48	4	1,021	1,137	-116
1632+00	6.9	6.8	38	15	1,059	1,152	-93
1633+00	9.1	14.5	30	39	1,088	1,191	-103
1634+00	9.4	15.6	34	56	1,123	1,247	-124
1635+00	4.5	15.7	26	58	1,148	1,304	-156
1636+00	10.5	12.1	28	51	1,176	1,356	-180
1637+00	16.8	11.0	51	43	1,227	1,399	-172
1638+00	13.3	13.0	56	44	1,283	1,443	-160
1639+00	18.3	2.6	59	29	1,341	1,472	-131
1640+00	15.1	3.9	62	12	1,403	1,484	-81
1641+00	8.4	0.2	44	8	1,447	1,491	-45
1642+00	4.6	0.2	24	1	1,471	1,492	-21
1643+00	4.3	0.4	17	1	1,487	1,493	-6
1644+00	5.0	0.2	17	1	1,505	1,495	10
1645+00	5.5	0.1	19	1	1,524	1,495	29
1646+00	3.5	0.2	17	1	1,541	1,496	45
1647+00	6.5	0.1	18	1	1,559	1,496	63
1648+00	3.0	0.3	18	1	1,577	1,497	80
1649+00	4.0	2.7	13	6	1,590	1,502	87
1650+00	4.1	0.6	15	6	1,605	1,509	96
1651+00	5.7	0.3	18	2	1,623	1,510	113
1652+00	6.1	0.1	22	1	1,645	1,511	134
1653+00	4.9	0.4	20	1	1,665	1,512	153
1654+00	5.5	0.6	19	2	1,684	1,514	170
1655+00	4.1	0.3	18	2	1,702	1,515	187
1656+00	4.1	0.5	15	1	1,717	1,517	201
1657+00	5.0	0.5	17	2	1,734	1,519	216
1658+00	3.8	1.4	16	4	1,751	1,522	228

CONTINUED

FILE NAME : \\mad31zp1\projects\state\USH_151\1111-03-02\PSE\1111103821Working files\1 EWK_USH 151.ppt

PLOT DATE : 6/26/2019 11:44 AM

PLOT BY : _____

PLOT NAME : _____

PLOT SCALE : 1:1

PROJECT NO: 1111-03-82

HWY: USH 151

COUNTY: DANE

EARTHWORK – USH 151

SHEET NO: 175

E

Earthwork Summary

Sta. 1585+50 NB to Sta. 1959+47 NB, NB & SB lanes

	AREA (SF)		Incremental Vol (CY)		Cumulative Vol (CY)		
STATION	Cut	Fill	Cut	Fill	Cut	Fill	Mass Ordinate
1659+00	5.8	0.7	18	4	1,768	1,526	242
1660+00	6.1	4.7	22	10	1,790	1,536	254
1661+00	9.5	7.0	29	22	1,819	1,558	261
1662+00	7.8	18.7	32	48	1,851	1,605	246
1663+00	10.9	27.7	35	86	1,886	1,691	195
1664+00	0.0	0.0	20	51	1,906	1,743	164
1665+00	11.2	16.3	21	30	1,927	1,773	154
1666+00	6.9	5.9	34	41	1,961	1,814	147
1667+00	5.1	6.0	22	22	1,983	1,836	147
1668+00	5.9	3.7	20	18	2,003	1,854	149
1669+00	2.7	3.1	16	13	2,019	1,866	153
1670+00	1.1	4.0	7	13	2,026	1,880	147
1671+00	2.0	3.1	6	13	2,032	1,893	139
1672+00	8.7	4.2	20	14	2,052	1,906	145
1673+00	12.8	18.2	40	41	2,092	1,948	144
1674+00	15.7	18.4	53	68	2,144	2,016	129
1675+00	14.2	15.5	55	63	2,200	2,078	121
1676+00	15.4	6.5	55	41	2,254	2,119	136
1677+00	10.6	11.7	48	34	2,303	2,153	150
1678+00	0.0	0.0	20	22	2,322	2,174	148
1679+00	20.5	14.7	38	27	2,360	2,202	159
1680+00	8.4	2.7	53	32	2,414	2,234	180
1681+00	6.6	4.7	28	14	2,441	2,247	194
1682+00	7.3	4.2	26	16	2,467	2,264	203
1683+00	10.1	1.9	32	11	2,500	2,275	225
1684+00	15.2	8.9	47	20	2,546	2,295	251
1685+00	9.9	10.3	46	36	2,593	2,331	262
1686+00	10.4	11.6	38	41	2,630	2,371	259
1687+00	10.0	14.4	38	48	2,668	2,419	249
1688+00	11.0	26.7	39	76	2,707	2,495	212
1689+00	15.4	11.7	49	71	2,756	2,566	190
1690+00	12.7	0.9	52	23	2,808	2,590	218
1691+00	10.6	1.0	43	4	2,851	2,593	258
1692+00	10.7	0.2	39	2	2,891	2,596	295
1693+00	4.2	0.1	28	1	2,918	2,596	322
1694+00	5.1	0.0	17	0	2,935	2,596	339
1695+00	4.8	0.1	18	0	2,954	2,597	357
1696+00	5.4	6.2	19	12	2,972	2,608	364
1697+00	5.7	25.9	21	59	2,993	2,667	326
1698+00	8.3	16.7	26	79	3,019	2,746	273
1699+00	8.5	14.1	31	57	3,050	2,803	247
1700+00	9.8	21.7	34	66	3,084	2,869	214
1701+00	14.3	12.3	45	63	3,128	2,932	196
1702+00	10.2	1.9	45	26	3,174	2,959	215
1703+00	10.6	2.4	39	8	3,212	2,967	246
1704+00	11.0	0.6	40	6	3,252	2,972	280
1705+00	6.9	1.3	33	4	3,285	2,976	310
1706+00	7.2	0.0	26	2	3,312	2,978	334
1707+00	6.2	0.1	25	0	3,337	2,978	358
1708+00	7.8	0.0	26	0	3,363	2,978	384
1709+00	6.2	0.1	26	0	3,389	2,979	410
1710+00	7.3	0.4	25	1	3,414	2,980	434
1711+00	6.8	0.5	26	2	3,440	2,981	458
1712+00	6.3	0.5	24	2	3,464	2,983	481
1713+00	5.2	1.0	21	3	3,485	2,986	499
1714+00	5.0	0.3	19	2	3,504	2,988	516
1715+00	4.8	0.4	18	1	3,522	2,990	532
1716+00	4.3	0.4	17	2	3,539	2,991	548
1717+00	15.9	4.0	37	8	3,576	2,999	577
1718+00	7.5	17.4	43	40	3,620	3,039	581
1719+00	7.2	20.6	27	70	3,647	3,110	537
1720+00	7.8	18.5	28	72	3,675	3,182	493
1721+00	9.7	16.0	32	64	3,707	3,246	461
1722+00	17.3	13.1	50	54	3,757	3,300	458
1723+00	11.6	5.9	53	35	3,811	3,335	476
1724+00	10.0	7.1	40	24	3,851	3,359	492
1725+00	10.3	4.1	38	21	3,888	3,380	509
1726+00	8.1	2.3	34	12	3,922	3,392	531
1727+00	4.8	0.6	24	5	3,946	3,397	550
1728+00	6.4	0.5	21	2	3,967	3,399	568
1729+00	4.6	0.4	20	2	3,987	3,400	587
1730+00	7.9	0.2	23	1	4,010	3,402	609
1731+00	5.5	0.3	25	1	4,035	3,402	633
1732+00	4.3	0.1	18	1	4,053	3,403	650
1733+00	3.9	0.3	15	1	4,068	3,404	665
1734+00	3.1	0.2	13	1	4,081	3,404	677

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FILE NAME : \\mad31zp1\projects\state\USH_151\1111-03-02\PSE\11110382\Working files\1 EWK_USH 151.ppt
PLOT DATE : 6/26/2019 11:44 AM
PLOT BY : _____
PLOT NAME : _____
PLOT SCALE : 1:1

Earthwork Summary
Sta. 1585+50 NB to Sta. 1959+47 NB, NB & SB lanes

	AREA (SF)		Incremental Vol (CY)		Cumulative Vol (CY)		
STATION	Cut	Fill	Cut	Fill	Cut	Fill	Mass Ordinate
1735+00	4.3	0.3	14	1	4,095	3,405	690
1736+00	4.3	0.1	16	1	4,111	3,406	705
1737+00	5.5	0.0	18	0	4,129	3,406	723
1738+00	4.2	0.7	18	1	4,147	3,408	740
1739+00	7.4	4.3	21	9	4,169	3,417	752
1740+00	7.6	4.0	28	15	4,197	3,432	764
1741+00	4.2	4.2	22	15	4,219	3,447	771
1742+00	2.0	10.1	12	26	4,230	3,474	756
1743+00	3.5	5.9	10	30	4,240	3,504	737
1744+00	3.9	7.3	14	24	4,254	3,528	726
1745+00	10.1	16.0	26	43	4,280	3,571	709
1746+00	0.0	0.0	19	30	4,299	3,601	698
1747+00	18.7	10.7	35	20	4,334	3,621	713
1748+00	15.3	0.8	63	21	4,396	3,642	755
1749+00	16.2	0.9	58	3	4,455	3,645	810
1750+00	17.2	1.3	62	4	4,517	3,649	867
1751+00	3.6	2.6	38	7	4,555	3,656	899
1752+00	2.5	2.5	11	9	4,566	3,666	901
1753+00	2.1	2.6	9	9	4,575	3,675	900
1754+00	2.4	2.1	8	9	4,583	3,684	899
1755+00	2.2	2.4	8	8	4,592	3,692	900
1756+00	2.3	2.8	8	10	4,600	3,702	898
1757+00	2.1	2.6	8	10	4,608	3,712	897
1758+00	2.7	2.3	9	9	4,617	3,721	896
1759+00	3.3	3.1	11	10	4,628	3,731	897
1760+00	3.7	3.7	13	13	4,641	3,744	898
1761+00	2.4	3.0	11	12	4,653	3,756	897
1762+00	3.3	3.5	10	12	4,663	3,768	895
1763+00	2.5	3.3	11	13	4,674	3,781	893
1764+00	1.0	3.0	7	12	4,680	3,792	888
1765+00	1.2	2.7	4	11	4,685	3,803	882
1766+00	3.8	4.5	9	13	4,694	3,816	878
1767+00	4.4	3.0	15	14	4,709	3,830	879
1768+00	8.4	2.4	24	10	4,732	3,840	893
1769+00	4.9	0.6	24	6	4,757	3,845	912
1770+00	4.9	0.5	18	2	4,775	3,847	928
1771+00	8.1	0.2	24	1	4,799	3,849	950
1772+00	7.1	0.1	28	0	4,827	3,849	978
1773+00	11.4	15.5	34	29	4,861	3,878	984
1774+00	12.4	14.5	44	56	4,906	3,933	972
1775+00	6.5	15.3	35	55	4,941	3,989	952
1776+00	16.5	24.8	43	74	4,983	4,063	920
1777+00	0.0	0.0	31	46	5,014	4,109	905
1778+00	23.6	16.2	44	30	5,057	4,139	918
1779+00	18.7	0.2	78	30	5,136	4,169	966
1780+00	19.9	2.3	71	5	5,207	4,174	1,033
1781+00	20.5	3.0	75	10	5,282	4,184	1,098
1782+00	7.3	1.0	51	7	5,333	4,191	1,142
1783+00	6.9	0.1	26	2	5,360	4,193	1,166
1784+00	7.3	0.1	26	0	5,386	4,194	1,193
1785+00	6.7	0.0	26	0	5,412	4,194	1,218
1786+00	11.6	9.7	34	18	5,446	4,212	1,234
1787+00	10.8	19.0	42	53	5,488	4,265	1,223
1788+00	10.9	12.3	40	58	5,528	4,323	1,205
1789+00	15.0	20.6	48	61	5,576	4,384	1,192
1790+00	0.0	0.0	28	38	5,604	4,422	1,181
1791+00	15.6	13.0	29	24	5,633	4,446	1,186
1792+00	13.5	1.7	54	27	5,687	4,474	1,213
1793+00	16.2	10.8	55	23	5,742	4,497	1,245
1794+00	14.6	15.8	57	49	5,799	4,546	1,253
1795+00	9.4	9.5	44	47	5,843	4,593	1,250
1796+00	10.7	14.2	37	44	5,880	4,637	1,244
1797+00	16.7	10.9	51	46	5,931	4,683	1,248
1798+00	10.6	1.4	51	23	5,982	4,706	1,276
1799+00	12.0	0.5	42	4	6,024	4,710	1,314
1800+00	9.5	0.5	40	2	6,063	4,712	1,352
1801+00	8.7	0.9	34	3	6,097	4,714	1,383
1802+00	4.7	0.1	25	2	6,122	4,716	1,406
1803+00	5.8	0.0	19	0	6,141	4,716	1,425
1804+00	5.3	0.0	21	0	6,162	4,716	1,446
1805+00	5.2	0.1	20	0	6,181	4,717	1,465
1806+00	5.9	0.0	21	0	6,202	4,717	1,485
1807+00	4.7	0.0	19	0	6,221	4,717	1,505
1808+00	3.3	0.2	15	1	6,236	4,717	1,519
1809+00	3.4	0.2	12	1	6,249	4,718	1,530
1810+00	2.7	0.1	11	1	6,260	4,719	1,541

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PLOT DATE : 6/26/2019 10:22 AM

PLOT BY : _____

PLOT NAME : _____

PLOT SCALE : 1:1

Earthwork Summary

Sta. 1585+50 NB to Sta. 1959+47 NB, NB & SB lanes

	AREA (SF)		Incremental Vol (CY)		Cumulative Vol (CY)		
STATION	Cut	Fill	Cut	Fill	Cut	Fill	Mass Ordinate
1811+00	6.5	13.6	17	25	6,277	4,744	1,533
1812+00	7.3	13.7	25	51	6,302	4,795	1,507
1813+00	8.7	11.9	30	47	6,332	4,842	1,490
1814+00	13.4	0.6	41	23	6,373	4,865	1,507
1815+00	9.4	23.1	42	44	6,415	4,909	1,506
1816+00	13.0	11.3	41	64	6,456	4,973	1,484
1817+00	9.3	4.0	41	28	6,498	5,001	1,496
1818+00	8.2	13.9	32	33	6,530	5,034	1,496
1819+00	11.3	0.0	36	26	6,566	5,060	1,506
1820+00	6.3	0.1	33	0	6,599	5,061	1,538
1821+00	6.0	0.2	23	1	6,622	5,061	1,560
1822+00	6.2	0.1	23	1	6,644	5,062	1,583
1823+00	5.4	0.1	22	0	6,666	5,062	1,604
1824+00	5.0	0.1	19	0	6,685	5,063	1,623
1825+00	4.0	0.3	17	1	6,702	5,063	1,639
1826+00	8.4	8.3	23	16	6,725	5,079	1,646
1827+00	10.1	13.2	34	40	6,759	5,119	1,640
1828+00	10.6	11.7	38	46	6,798	5,165	1,633
1829+00	11.0	2.8	40	27	6,838	5,192	1,646
1830+00	8.7	13.4	36	30	6,874	5,222	1,652
1831+00	9.2	11.8	33	47	6,907	5,269	1,639
1832+00	16.0	1.5	47	25	6,954	5,293	1,661
1833+00	18.5	1.5	64	6	7,018	5,299	1,719
1834+00	17.5	2.0	67	7	7,084	5,306	1,779
1835+00	11.7	0.5	54	5	7,138	5,310	1,828
1836+00	6.7	0.6	34	2	7,172	5,312	1,860
1837+00	7.0	0.0	25	1	7,198	5,313	1,884
1838+00	7.2	0.0	26	0	7,224	5,313	1,911
1839+00	7.4	0.0	27	0	7,251	5,313	1,938
1840+00	7.4	0.0	27	0	7,278	5,313	1,965
1841+00	6.8	0.0	26	0	7,305	5,314	1,991
1842+00	6.3	0.0	24	0	7,329	5,314	2,015
1843+00	5.6	0.0	22	0	7,351	5,314	2,037
1844+00	8.6	1.0	26	2	7,377	5,316	2,062
1845+00	7.5	20.6	30	40	7,407	5,356	2,052
1846+00	9.6	14.5	32	65	7,439	5,421	2,018
1847+00	12.2	2.7	40	32	7,479	5,453	2,027
1848+00	11.6	14.5	44	32	7,523	5,484	2,039
1849+00	8.4	3.0	37	32	7,560	5,517	2,043
1850+00	9.2	2.3	33	10	7,593	5,527	2,066
1851+00	8.3	3.9	32	12	7,625	5,538	2,087
1852+00	9.4	5.4	33	17	7,658	5,556	2,102
1853+00	12.2	13.1	40	34	7,698	5,590	2,108
1854+00	9.3	18.1	40	58	7,738	5,648	2,090
1855+00	8.0	15.2	32	62	7,770	5,709	2,061
1856+00	9.3	14.3	32	55	7,802	5,764	2,038
1857+00	13.6	17.8	42	59	7,845	5,823	2,021
1858+00	10.8	4.0	45	40	7,890	5,864	2,026
1859+00	11.1	1.7	40	11	7,930	5,874	2,056
1860+00	10.0	3.1	39	9	7,969	5,883	2,086
1861+00	11.1	1.3	39	8	8,008	5,891	2,117
1862+00	5.2	0.3	30	3	8,038	5,894	2,144
1863+00	4.8	0.0	18	1	8,057	5,895	2,162
1864+00	5.5	0.0	19	0	8,076	5,895	2,181
1865+00	4.8	0.0	19	0	8,095	5,895	2,200
1866+00	4.3	0.1	17	0	8,111	5,895	2,216
1867+00	4.9	0.4	17	1	8,128	5,896	2,232
1868+00	5.4	0.6	19	2	8,147	5,898	2,249
1869+00	6.2	0.5	21	2	8,169	5,900	2,269
1870+00	9.4	1.0	29	3	8,198	5,903	2,295
1871+00	9.1	10.9	34	22	8,232	5,925	2,307
1872+00	8.2	17.6	32	53	8,264	5,978	2,286
1873+00	9.9	18.3	34	67	8,298	6,044	2,253
1874+00	12.7	14.3	42	60	8,339	6,105	2,235
1875+00	25.4	10.8	71	46	8,410	6,151	2,259
1876+00	13.4	2.7	72	25	8,482	6,176	2,306
1877+00	12.8	3.5	48	11	8,530	6,187	2,343
1878+00	12.6	1.0	47	8	8,577	6,196	2,381
1879+00	10.7	1.2	43	4	8,620	6,200	2,421
1880+00	5.7	0.2	30	2	8,651	6,202	2,448
1881+00	5.6	0.0	21	0	8,671	6,203	2,469
1882+00	6.6	0.0	23	0	8,694	6,203	2,491
1883+00	3.9	1.0	19	2	8,713	6,204	2,509
1884+00	7.3	4.3	21	10	8,734	6,214	2,520
1885+00	8.0	1.0	28	10	8,762	6,224	2,538
1886+00	3.9	3.2	22	8	8,784	6,232	2,552

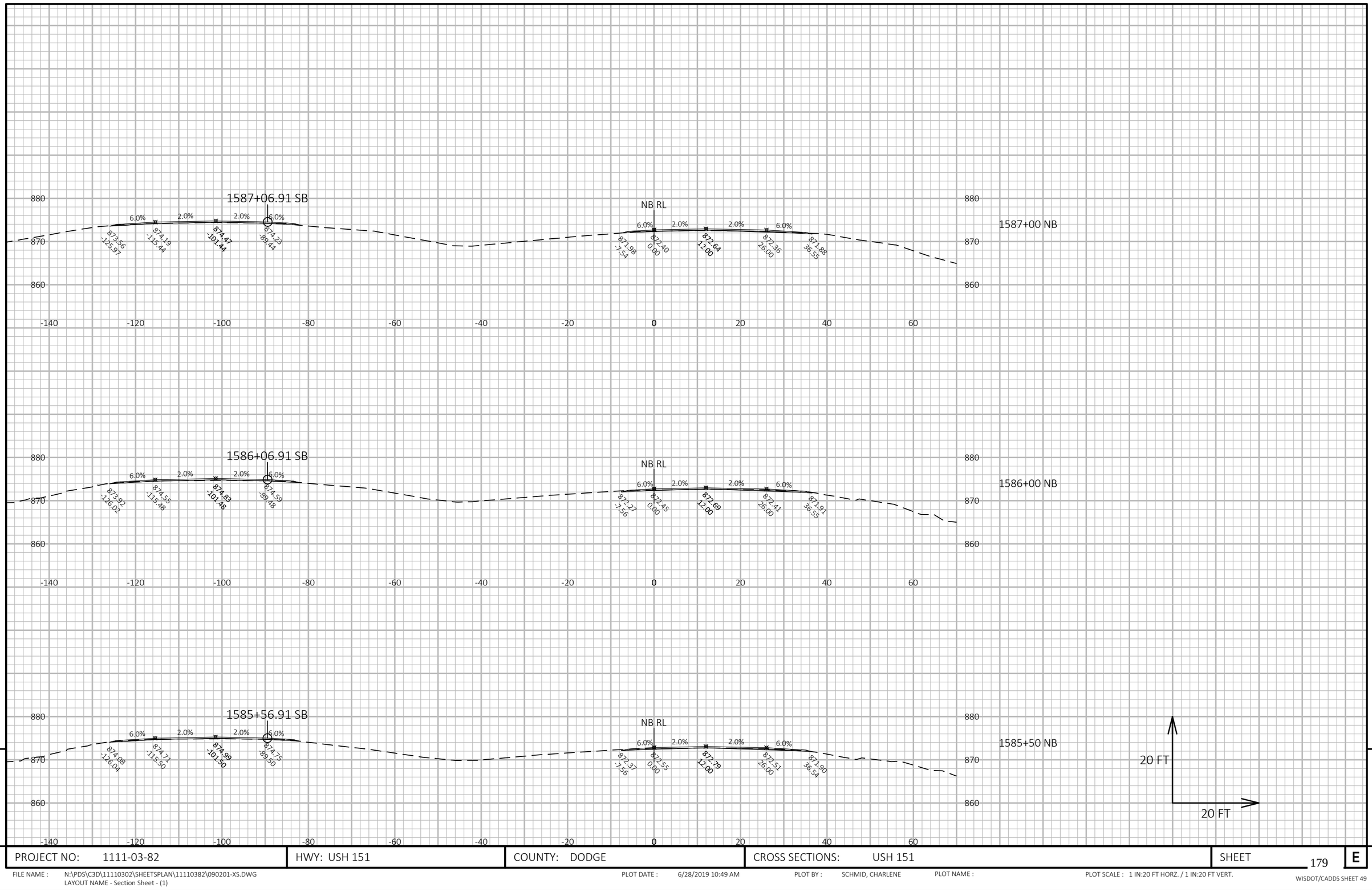
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PLOT DATE : 6/26/2019 10:23 AM
PLOT BY : _____
PLOT NAME : _____
PLOT SCALE : 1:1

Earthwork Summary
Sta. 1585+50 NB to Sta. 1959+47 NB, NB & SB lanes

	AREA (SF)		Incremental Vol (CY)		Cumulative Vol (CY)		
STATION	Cut	Fill	Cut	Fill	Cut	Fill	Mass Ordinate
1887+00	2.9	2.7	13	11	8,797	6,243	2,554
1888+00	3.0	2.3	11	9	8,808	6,252	2,556
1889+00	2.0	2.1	9	8	8,817	6,260	2,557
1890+00	3.1	1.7	9	7	8,826	6,267	2,559
1891+00	1.8	2.4	9	8	8,836	6,275	2,561
1892+00	2.4	2.2	8	9	8,843	6,283	2,560
1893+00	2.1	2.1	8	8	8,852	6,291	2,560
1894+00	3.7	2.7	11	9	8,863	6,300	2,562
1895+00	1.8	3.7	10	12	8,873	6,312	2,561
1896+00	5.0	4.1	13	14	8,886	6,326	2,559
1897+00	2.8	2.2	15	12	8,900	6,338	2,562
1898+00	9.3	3.6	22	11	8,923	6,349	2,574
1899+00	14.5	9.3	44	24	8,967	6,373	2,594
1900+00	15.9	5.7	56	28	9,023	6,400	2,623
1901+00	14.1	10.3	56	29	9,079	6,430	2,649
1902+00	12.8	13.4	50	44	9,129	6,474	2,655
1903+00	14.3	17.8	50	58	9,179	6,531	2,647
1904+00	3.8	2.5	34	38	9,212	6,569	2,643
1905+00	4.2	2.7	15	10	9,227	6,579	2,649
1906+00	6.0	5.2	19	15	9,246	6,593	2,653
1907+00	10.6	2.2	31	14	9,277	6,607	2,670
1908+00	3.7	2.9	26	9	9,303	6,616	2,687
1909+00	3.7	3.5	14	12	9,317	6,628	2,689
1910+00	3.7	3.7	14	13	9,331	6,641	2,689
1911+00	9.7	3.8	25	14	9,355	6,655	2,700
1912+00	12.3	9.9	41	25	9,396	6,681	2,716
1913+00	7.1	12.6	36	42	9,432	6,722	2,710
1914+00	11.6	22.3	35	65	9,467	6,787	2,680
1915+00	0.0	0.0	21	41	9,488	6,828	2,660
1916+00	13.8	14.1	26	26	9,514	6,854	2,660
1917+00	11.3	2.8	46	31	9,560	6,885	2,675
1918+00	9.7	3.3	39	11	9,599	6,897	2,702
1919+00	11.9	11.9	40	28	9,639	6,925	2,714
1920+00	3.9	2.2	29	26	9,668	6,951	2,717
1921+00	5.6	1.4	18	7	9,686	6,958	2,728
1922+00	3.4	6.8	17	15	9,703	6,973	2,730
1923+00	3.0	2.9	12	18	9,715	6,991	2,724
1924+00	2.6	1.6	10	8	9,725	6,999	2,726
1925+00	4.0	1.1	12	5	9,737	7,004	2,733
1926+00	3.8	1.4	14	5	9,752	7,009	2,743
1927+00	16.3	3.5	37	9	9,789	7,018	2,771
1928+00	16.2	5.5	60	17	9,849	7,035	2,815
1929+00	18.7	5.3	65	20	9,914	7,055	2,859
1930+00	22.4	4.0	76	17	9,990	7,072	2,918
1931+00	21.9	2.0	82	11	10,072	7,083	2,989
1932+00	23.6	11.6	84	25	10,157	7,108	3,049
1933+00	0.0	0.0	44	21	10,200	7,130	3,071
1934+00	15.5	12.1	29	22	10,229	7,152	3,077
1935+00	5.7	4.5	39	31	10,268	7,183	3,086
1936+00	8.7	2.5	27	13	10,295	7,196	3,099
1937+00	6.2	5.8	28	15	10,323	7,211	3,111
1938+00	9.2	4.3	28	19	10,351	7,230	3,121
1939+00	10.4	4.0	36	15	10,387	7,245	3,142
1940+00	4.8	5.2	28	17	10,416	7,262	3,153
1941+00	8.2	5.8	24	20	10,440	7,283	3,157
1942+00	9.5	2.4	33	15	10,473	7,298	3,175
1943+00	9.9	1.0	36	6	10,508	7,304	3,204
1944+00	9.5	9.0	36	19	10,544	7,323	3,221
1945+00	10.4	9.6	37	35	10,581	7,357	3,224
1946+00	13.9	25.6	45	65	10,626	7,422	3,203
1947+00	0.0	0.0	26	47	10,651	7,470	3,182
1948+00	13.2	12.5	24	23	10,676	7,493	3,183
1949+00	10.6	3.2	44	29	10,720	7,522	3,198
1950+00	11.1	3.3	40	12	10,760	7,534	3,226
1951+00	10.0	0.4	39	7	10,799	7,541	3,259
1952+00	4.5	0.7	27	2	10,826	7,543	3,284
1953+00	3.1	0.3	14	2	10,840	7,545	3,296
1954+00	4.4	0.1	14	1	10,854	7,545	3,309
1955+00	3.3	0.2	14	1	10,868	7,546	3,322
1956+00	1.8	0.1	9	0	10,877	7,546	3,331
1957+00	0.0	1.6	3	3	10,881	7,550	3,331
1958+00	5.9	0.0	11	3	10,892	7,553	3,339
1959+00	3.1	0.0	17	0	10,909	7,553	3,356

Earthwork values in table have not been expanded.
Fill Expansion Factor for Common Excavation = 1.25
See Earthwork in miscellaneous Quantities.



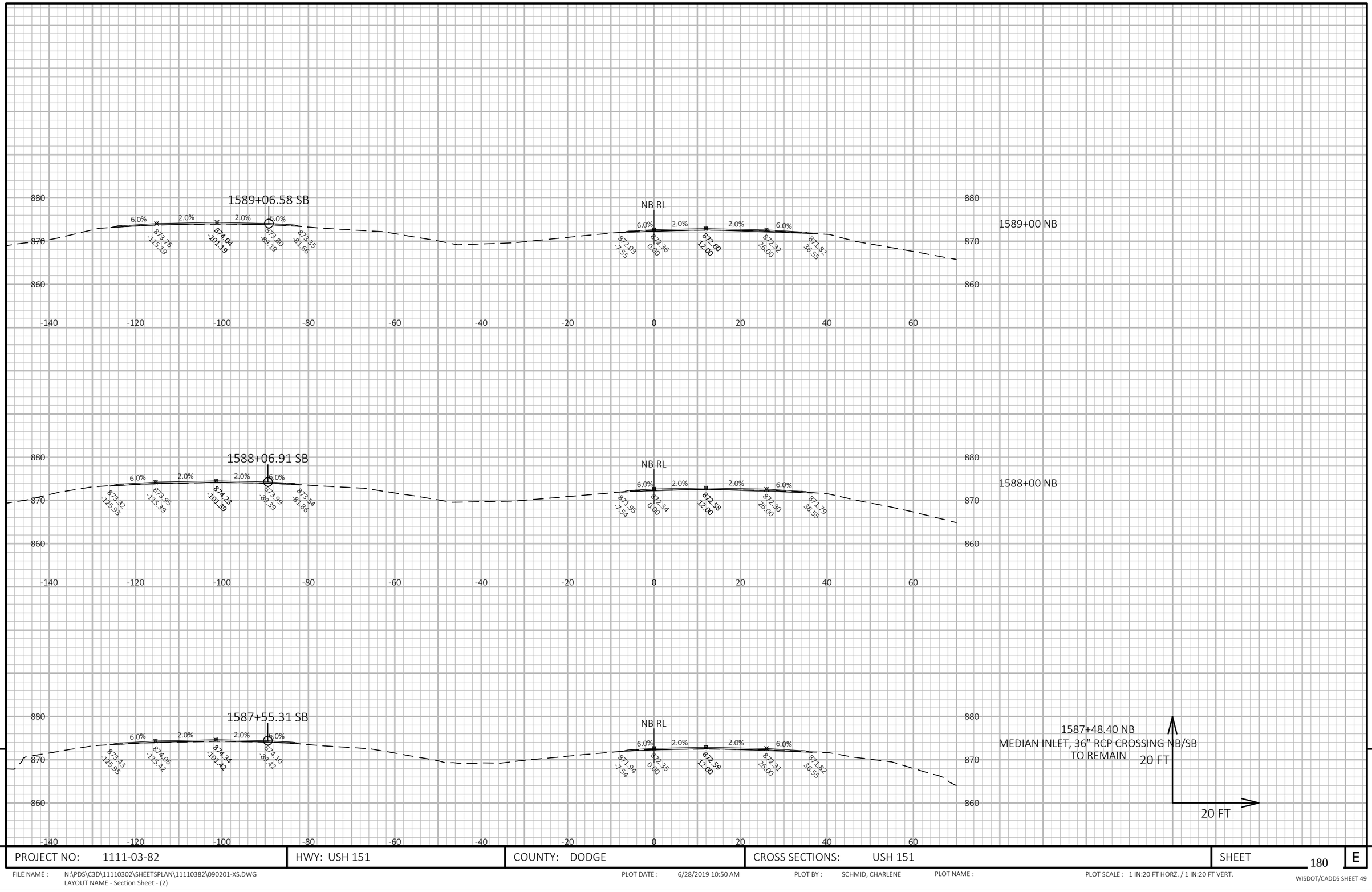
9

9

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 179	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (1)

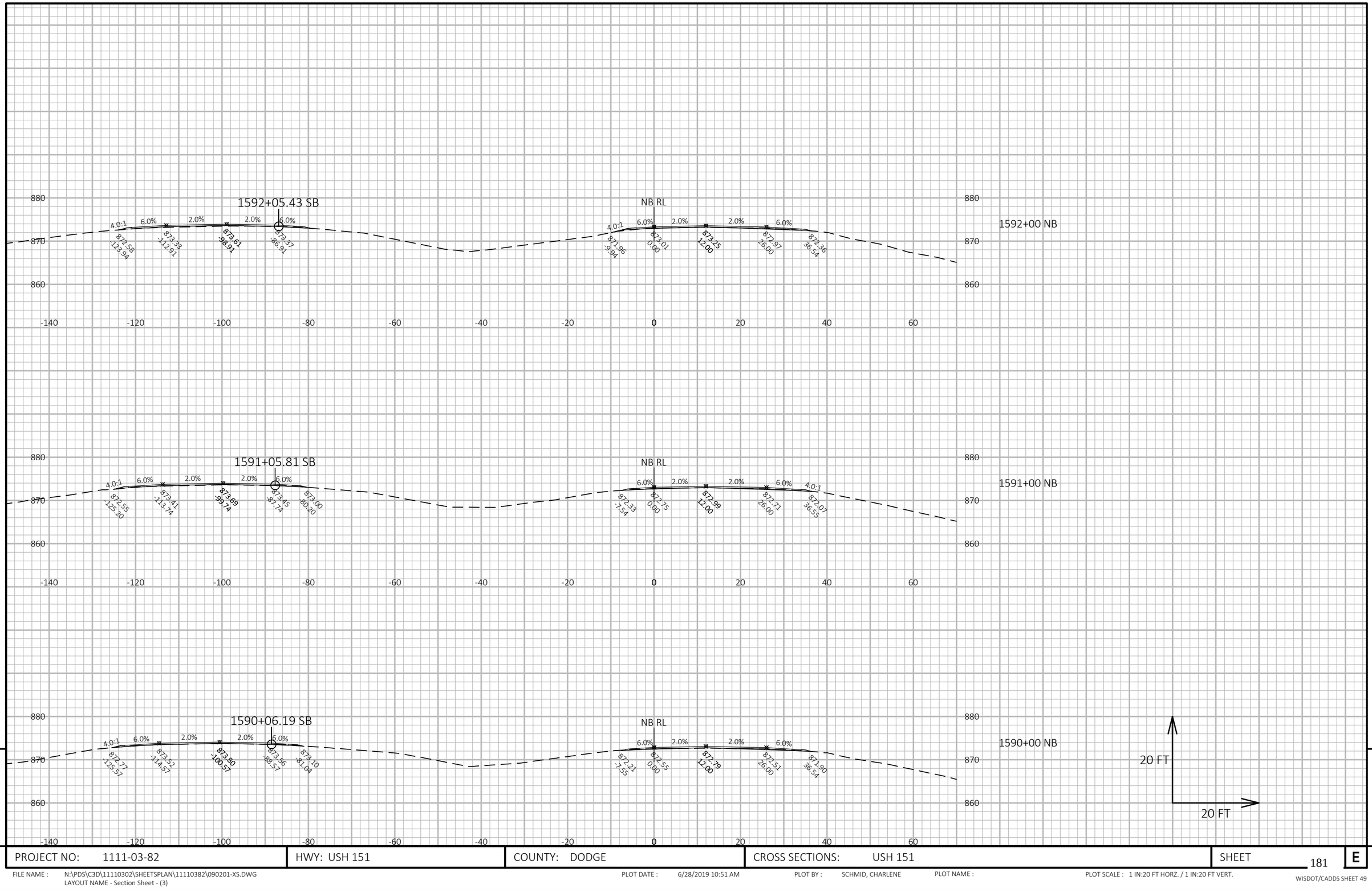
PLOT DATE : 6/28/2019 10:49 AM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

9

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 180	E

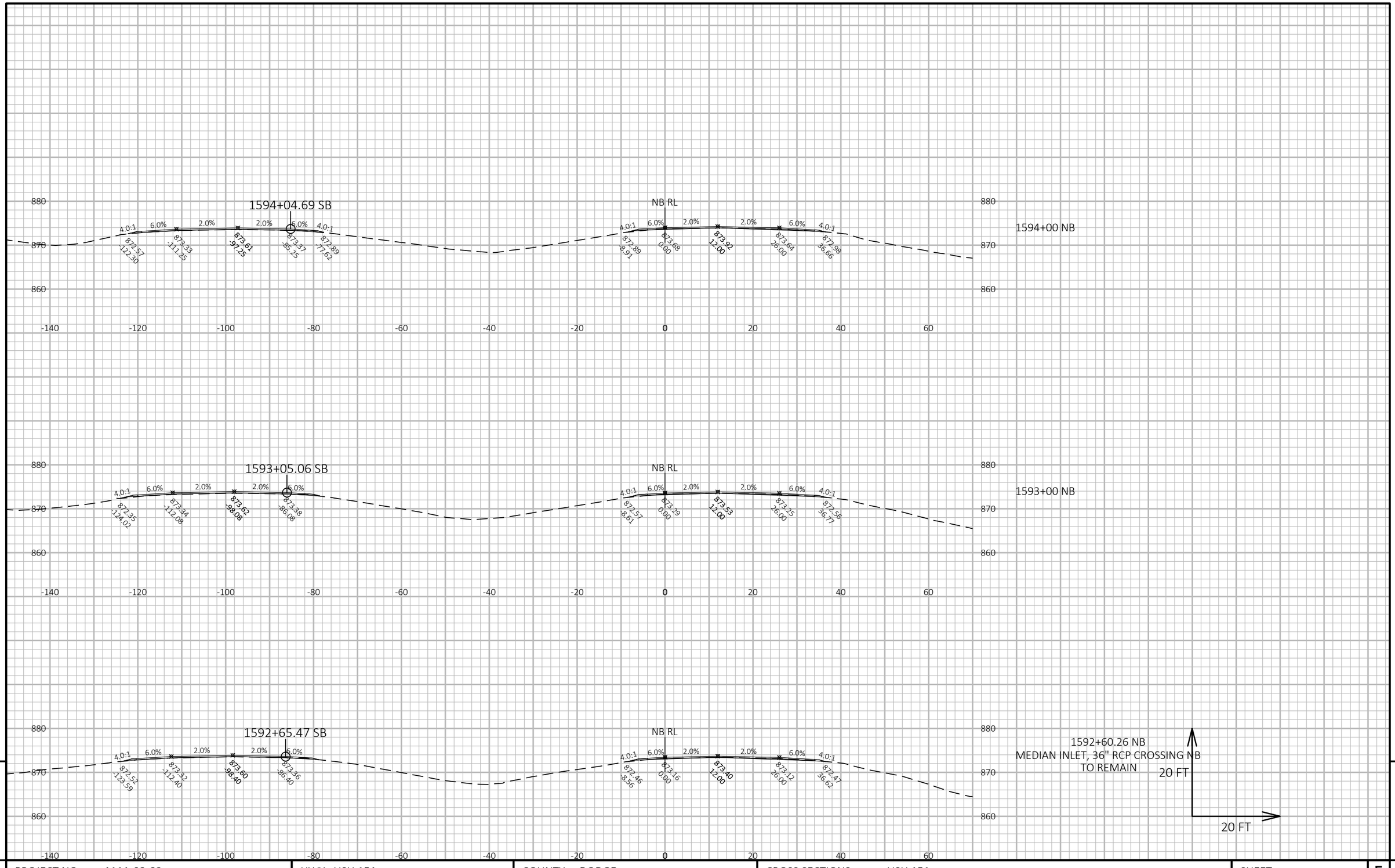


PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 181	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (3)

PLOT DATE : 6/28/2019 10:51 AM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

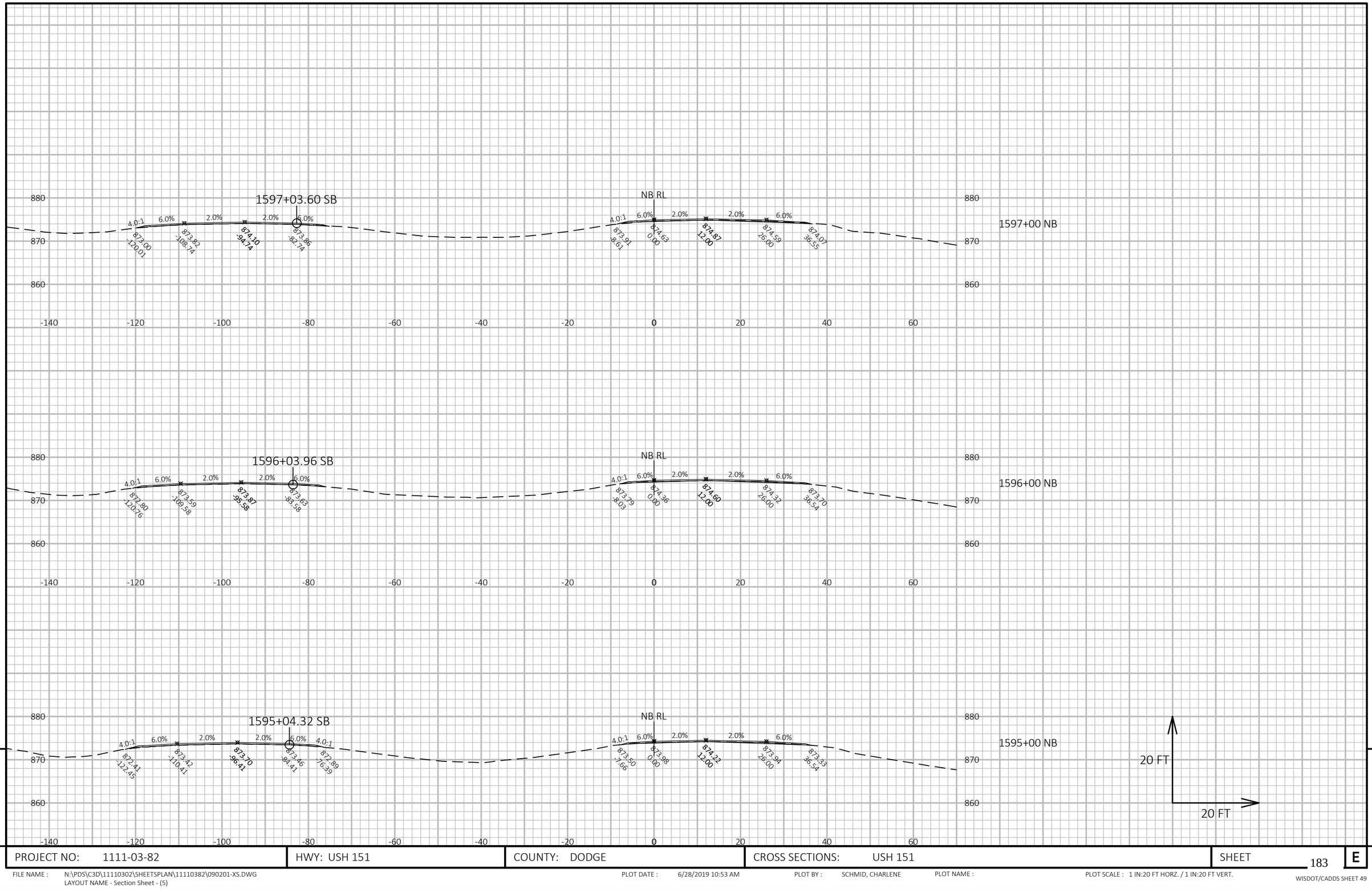
9

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 182	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (4)

PLOT DATE : 6/28/2019 10:52 AM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



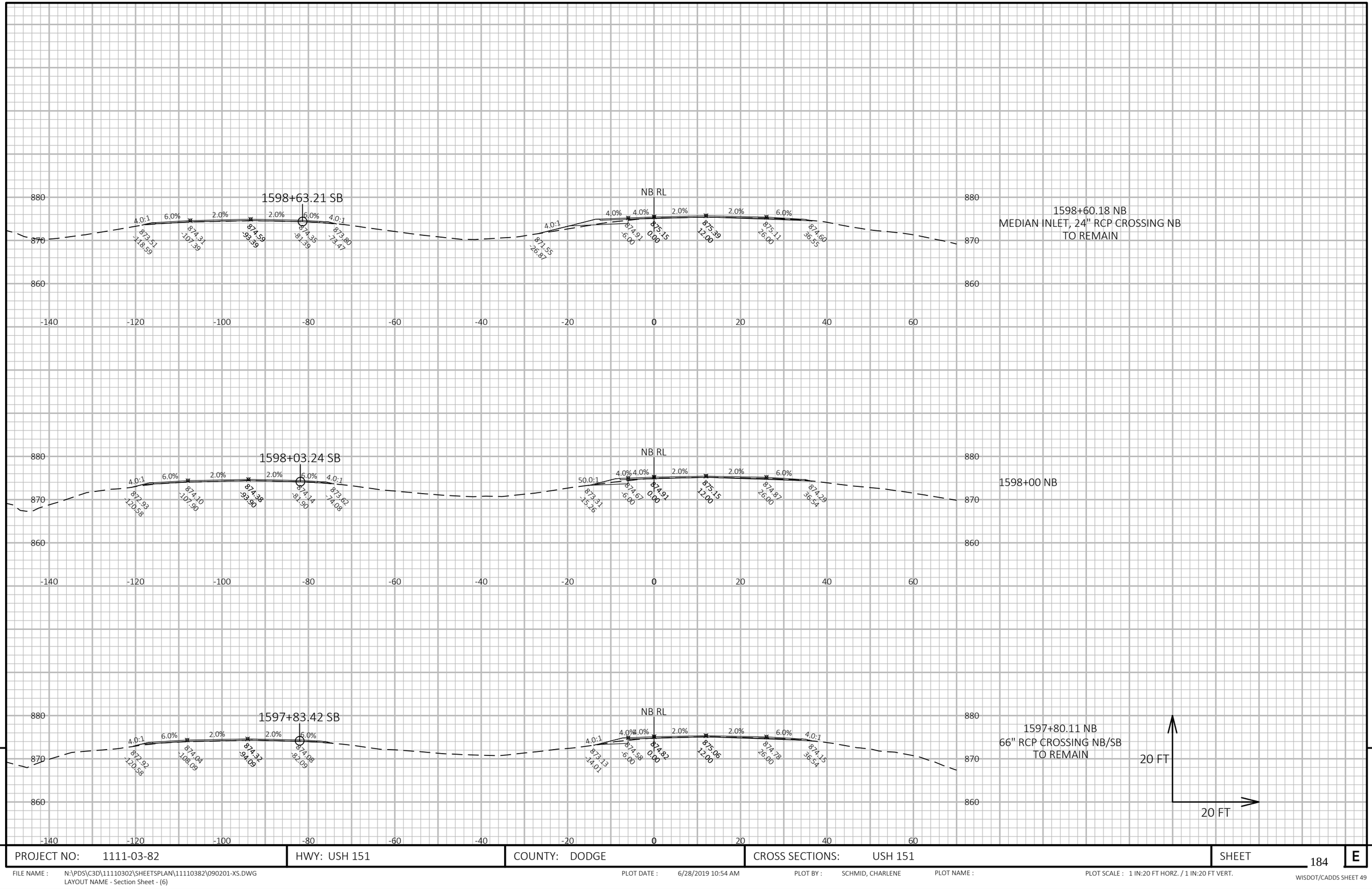
9

9

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 183	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (5)

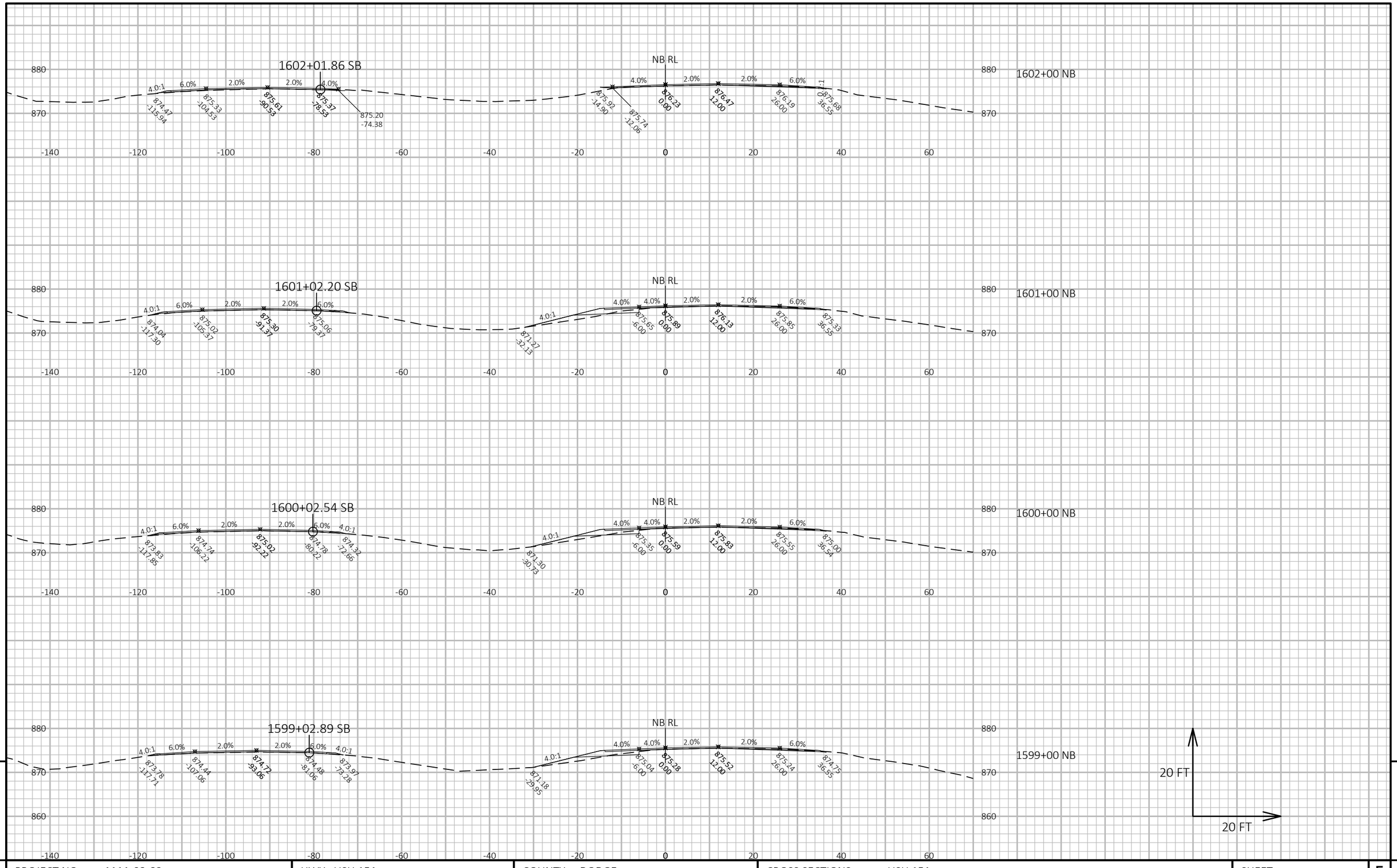
PLOT DATE : 6/28/2019 10:53 AM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

9

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 184	E



9

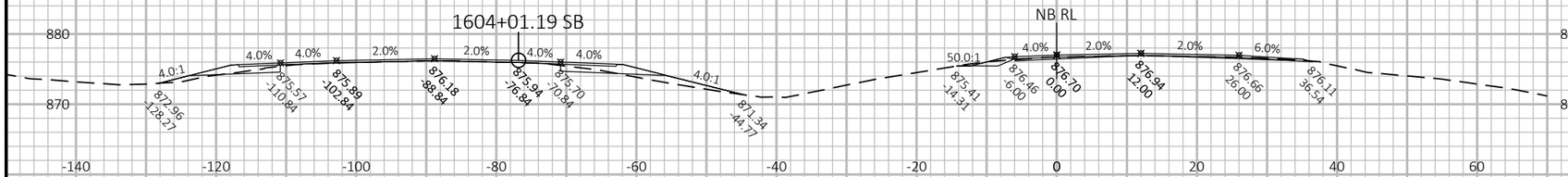
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PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 185	E

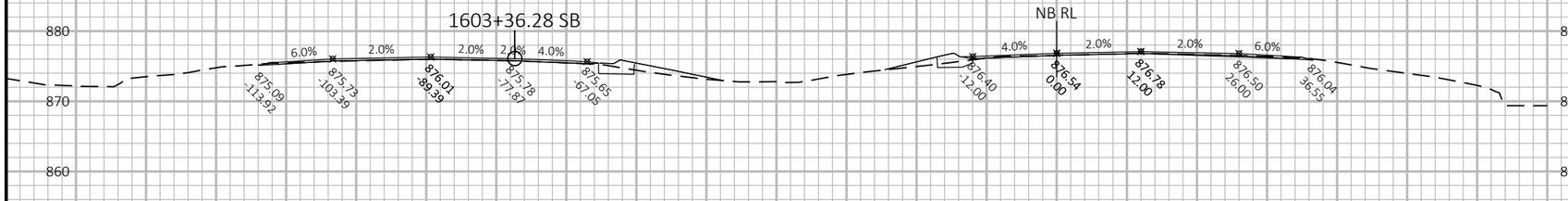
FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (7)

PLOT DATE : 6/28/2019 10:55 AM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

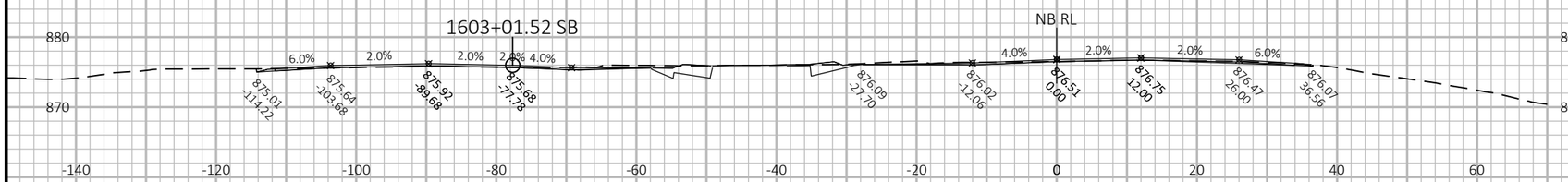
WISDOT/CADDS SHEET 49



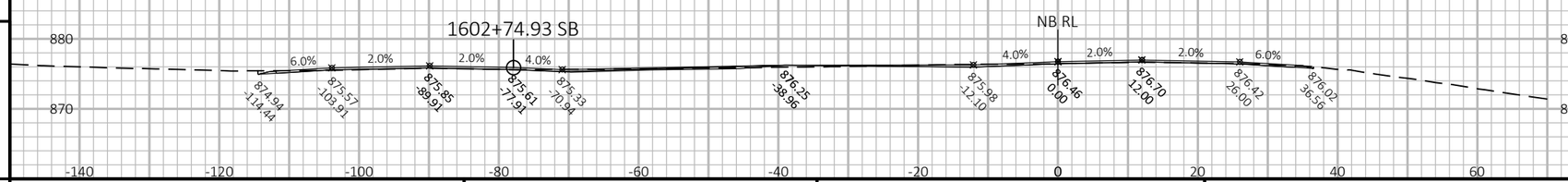
1604+00 NB



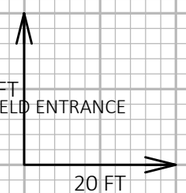
1603+34.88 NB
MEDIAN INLET, 24" RCP CROSSING NB/SB
TO REMAIN



1603+00 NB



1602+73.32 NB
MEDIAN OPENING - MAIER RD, FIELD ENTRANCE



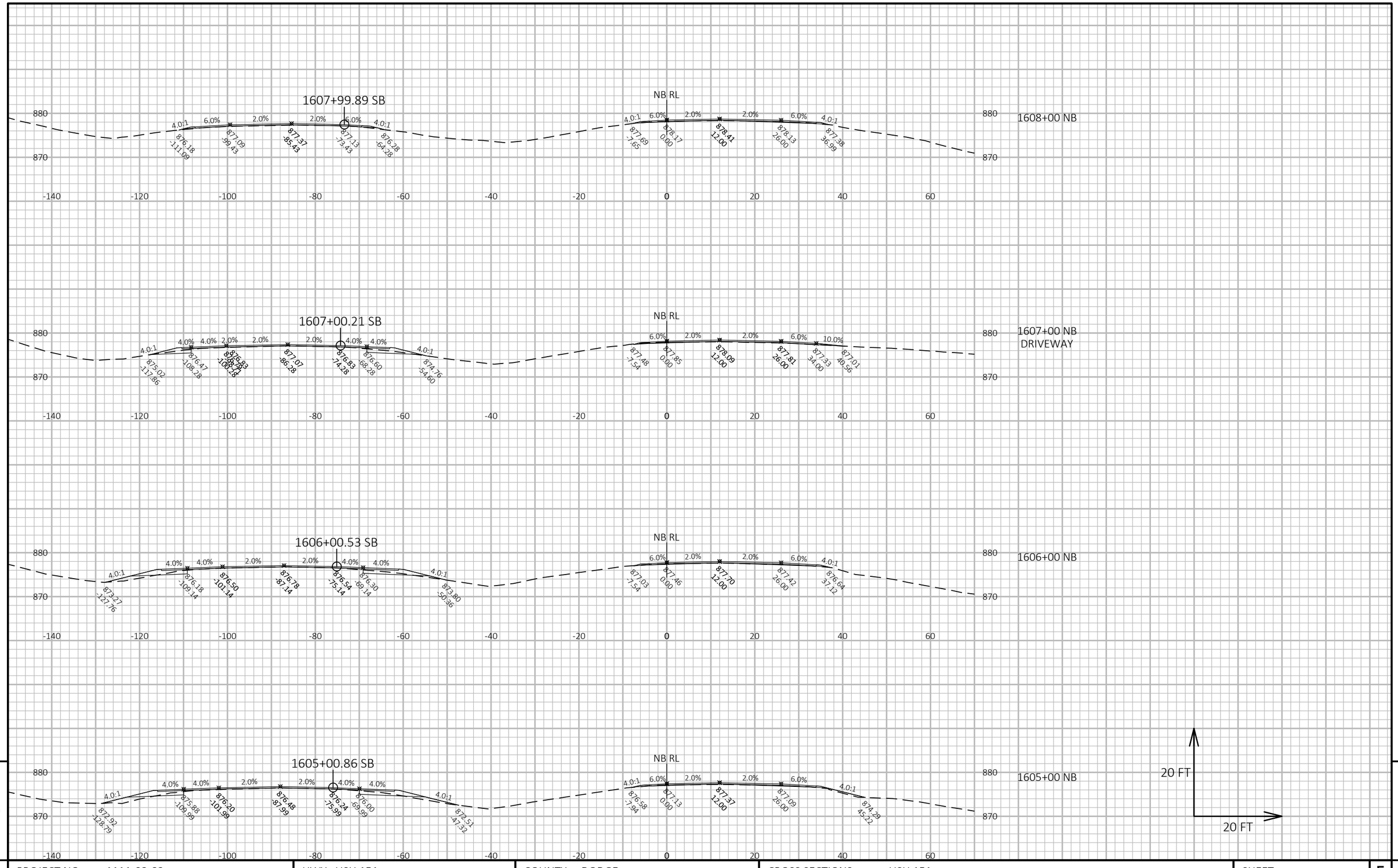
9 9

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 186	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (8)

PLOT DATE : 6/28/2019 10:56 AM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

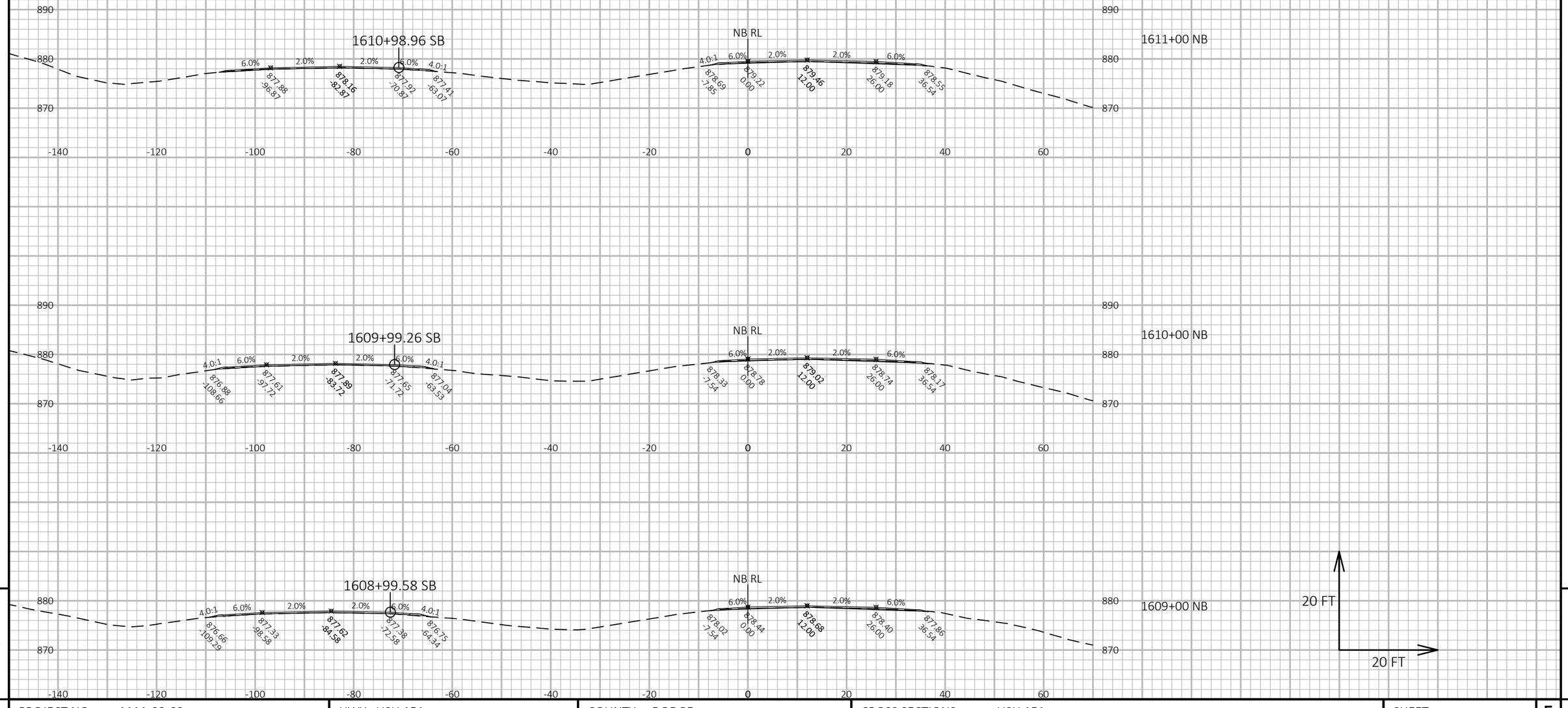
9

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 187	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (9)

PLOT DATE : 6/28/2019 10:57 AM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



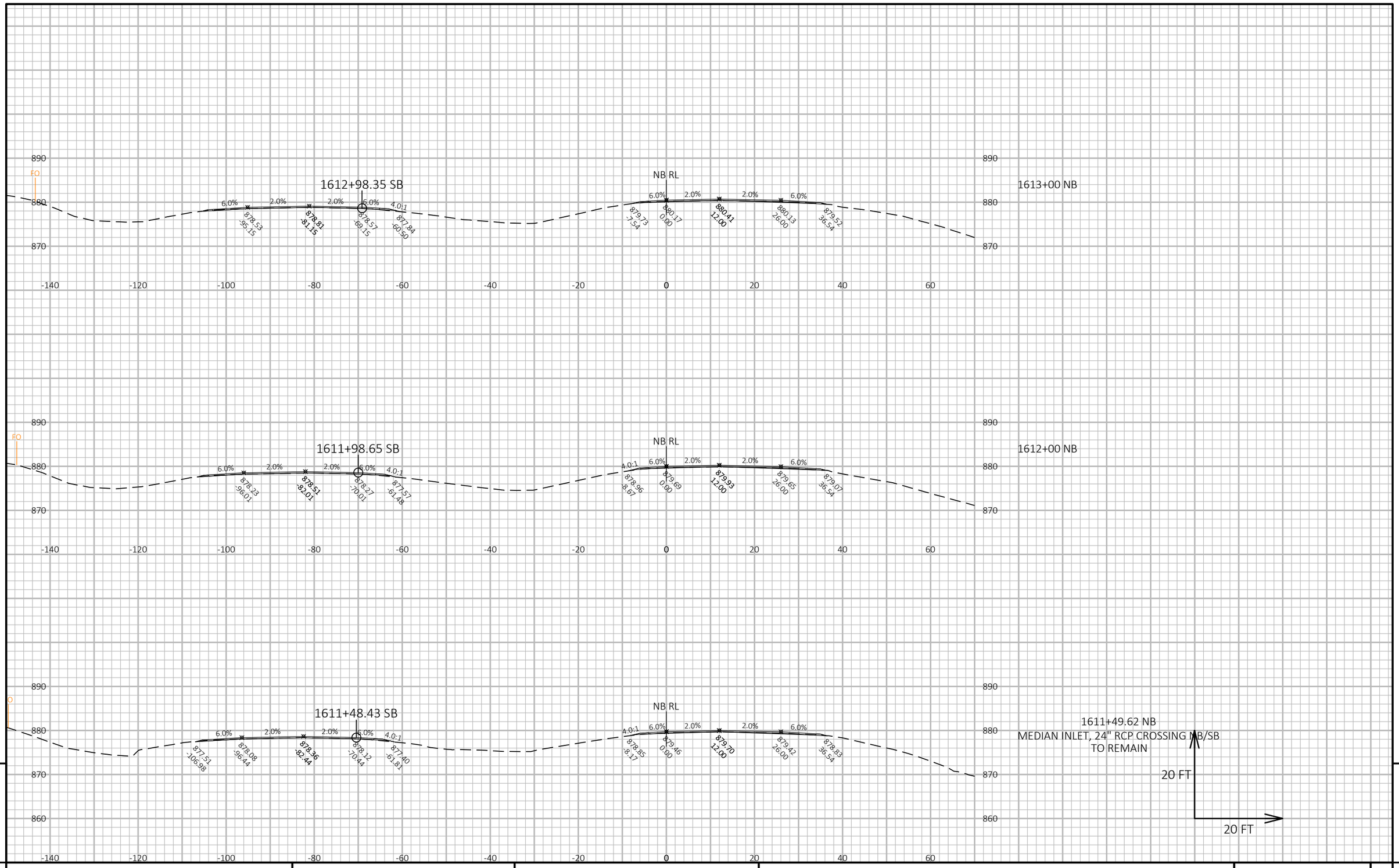
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9

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 188	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (10)

PLOT DATE : 6/28/2019 10:58 AM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

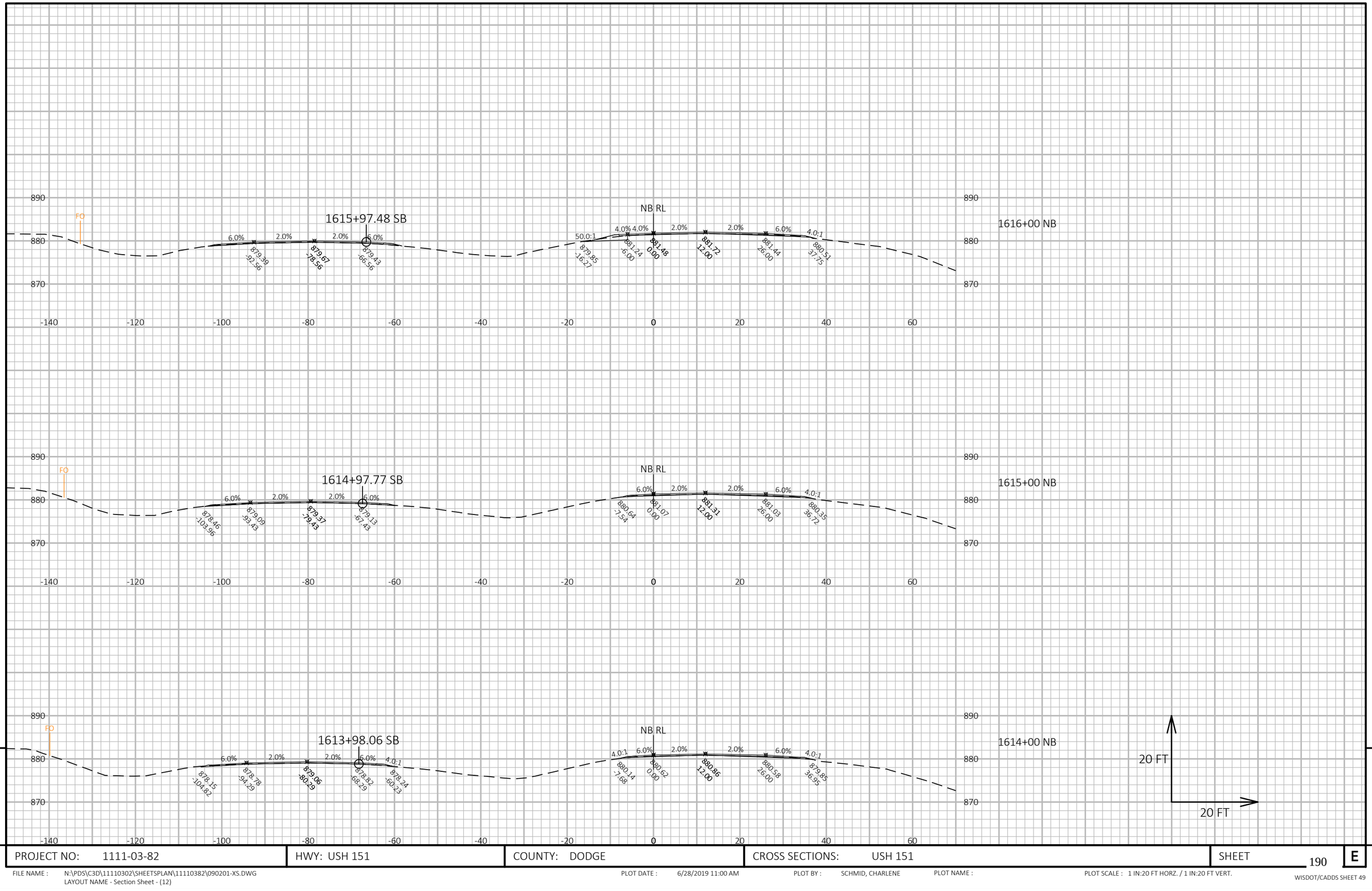


PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 189	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (11)

PLOT DATE : 6/28/2019 10:59 AM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



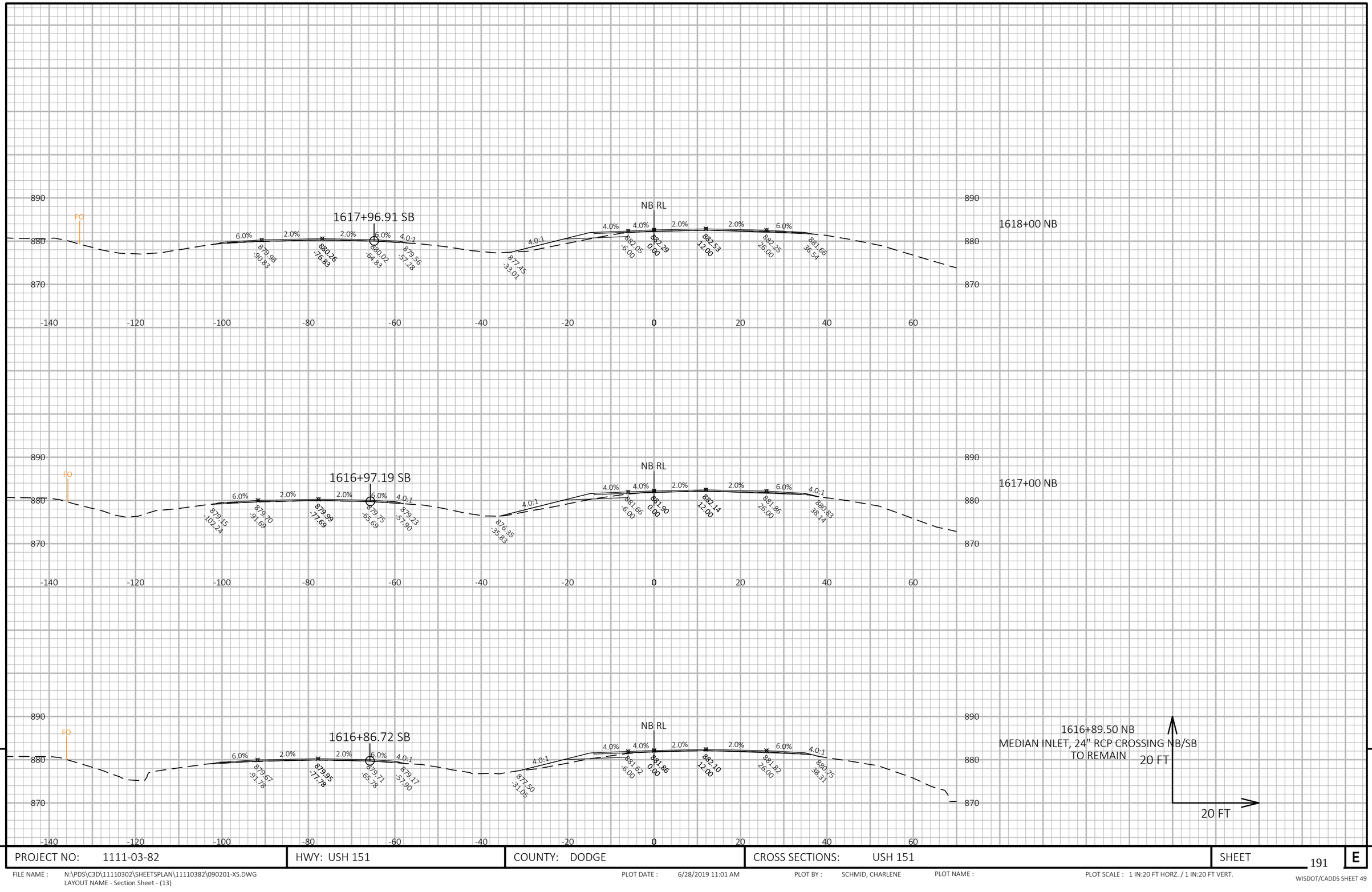
PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 190	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (12)

PLOT DATE : 6/28/2019 11:00 AM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

9



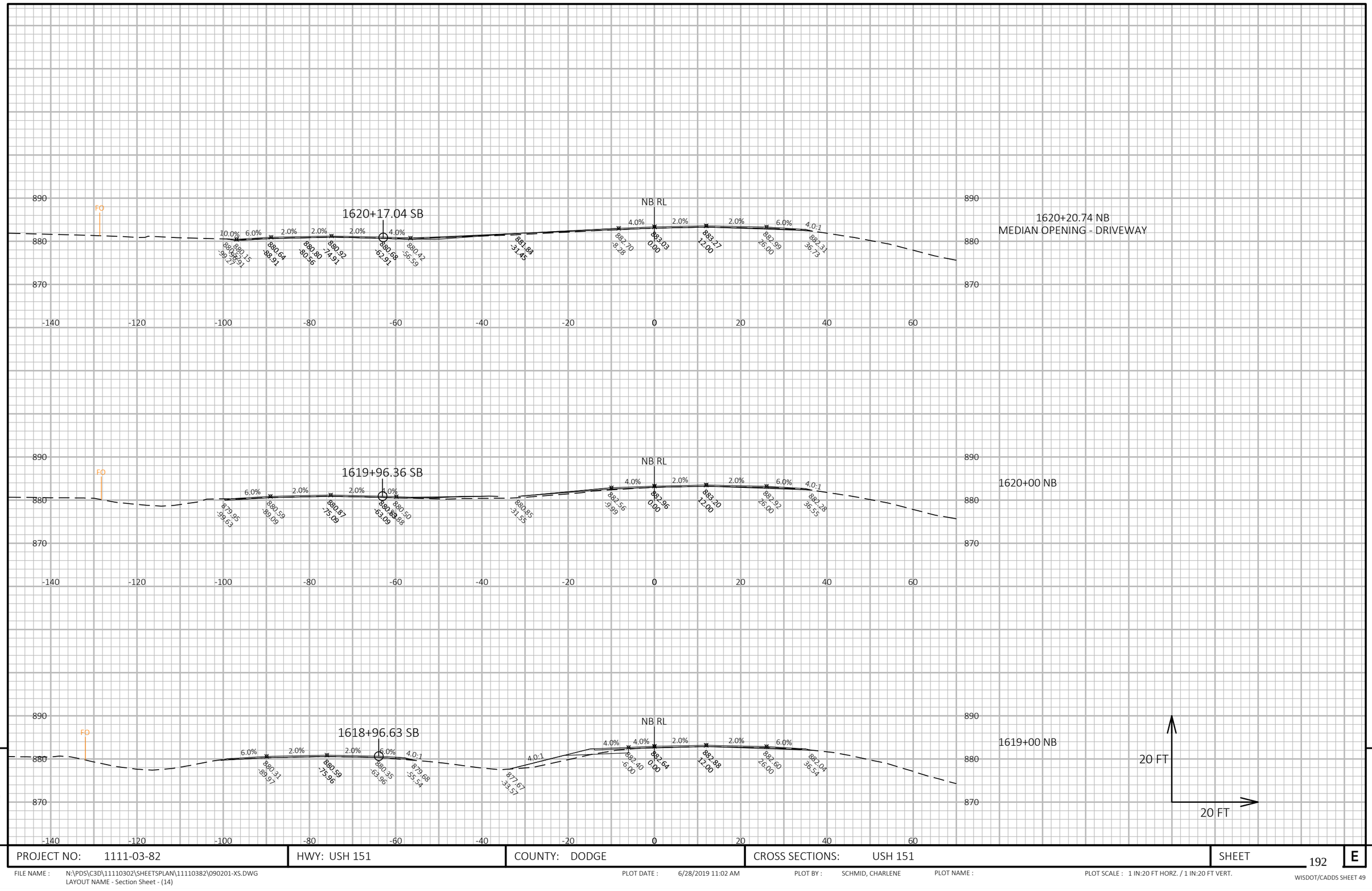
9

9

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 191	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (13)

PLOT DATE : 6/28/2019 11:01 AM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



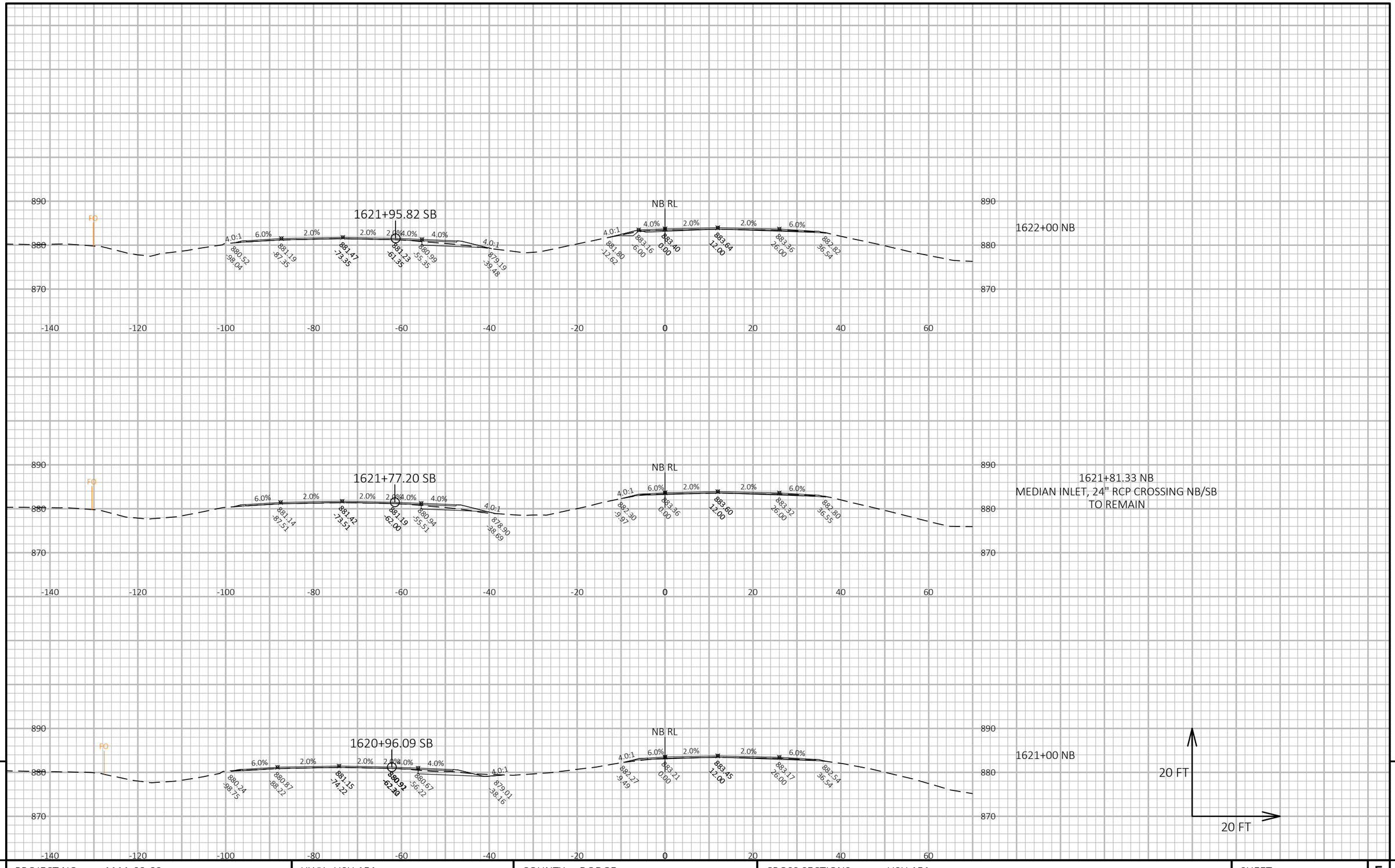
PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 192	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (14)

PLOT DATE : 6/28/2019 11:02 AM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

9 9



9

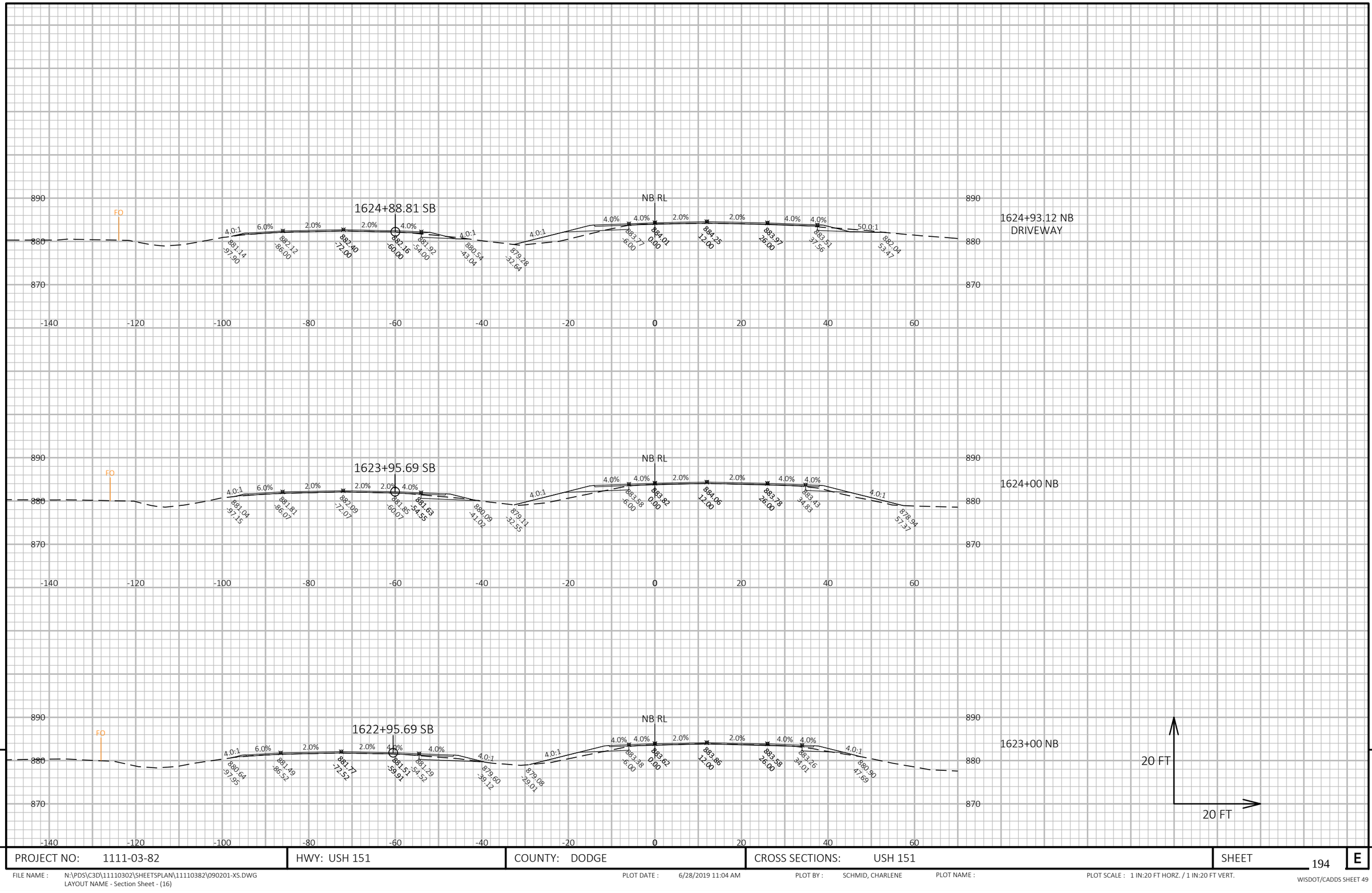
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PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 193	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (15)

PLOT DATE : 6/28/2019 11:03 AM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



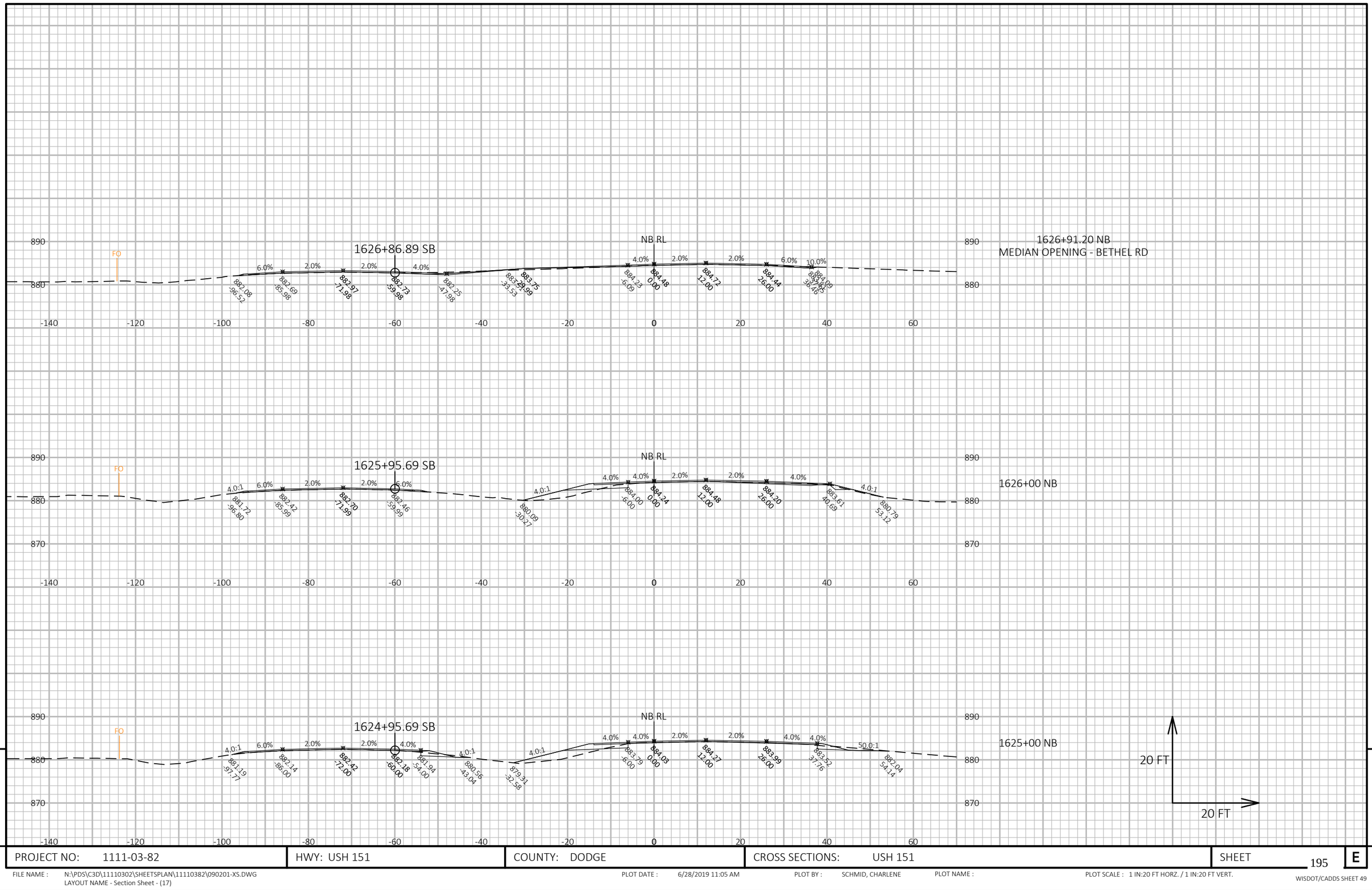
PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 194	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (16)

PLOT DATE : 6/28/2019 11:04 AM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

9 9



9

9

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 195	E

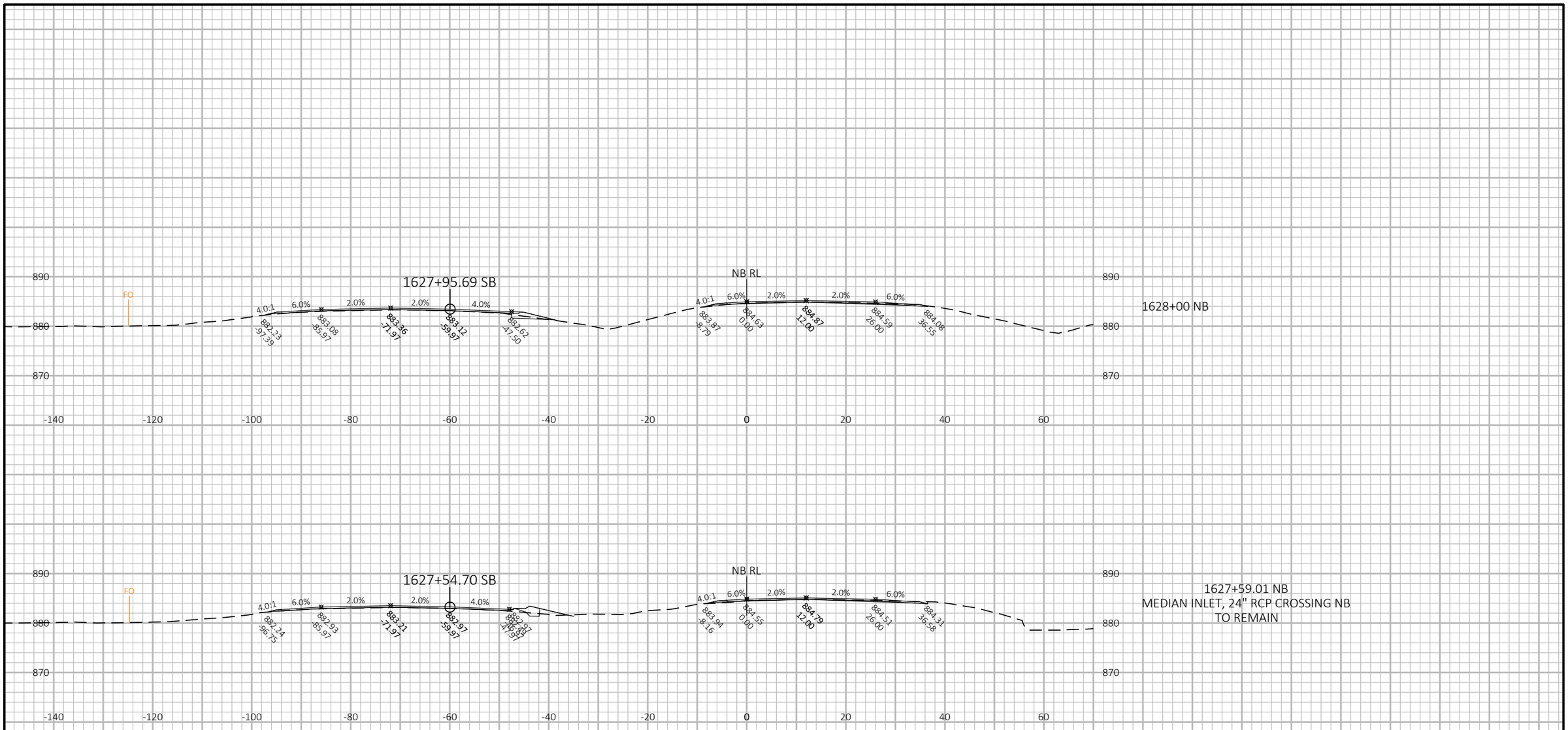
FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (17)

PLOT DATE : 6/28/2019 11:05 AM

PLOT BY : SCHMID, CHARLENE

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

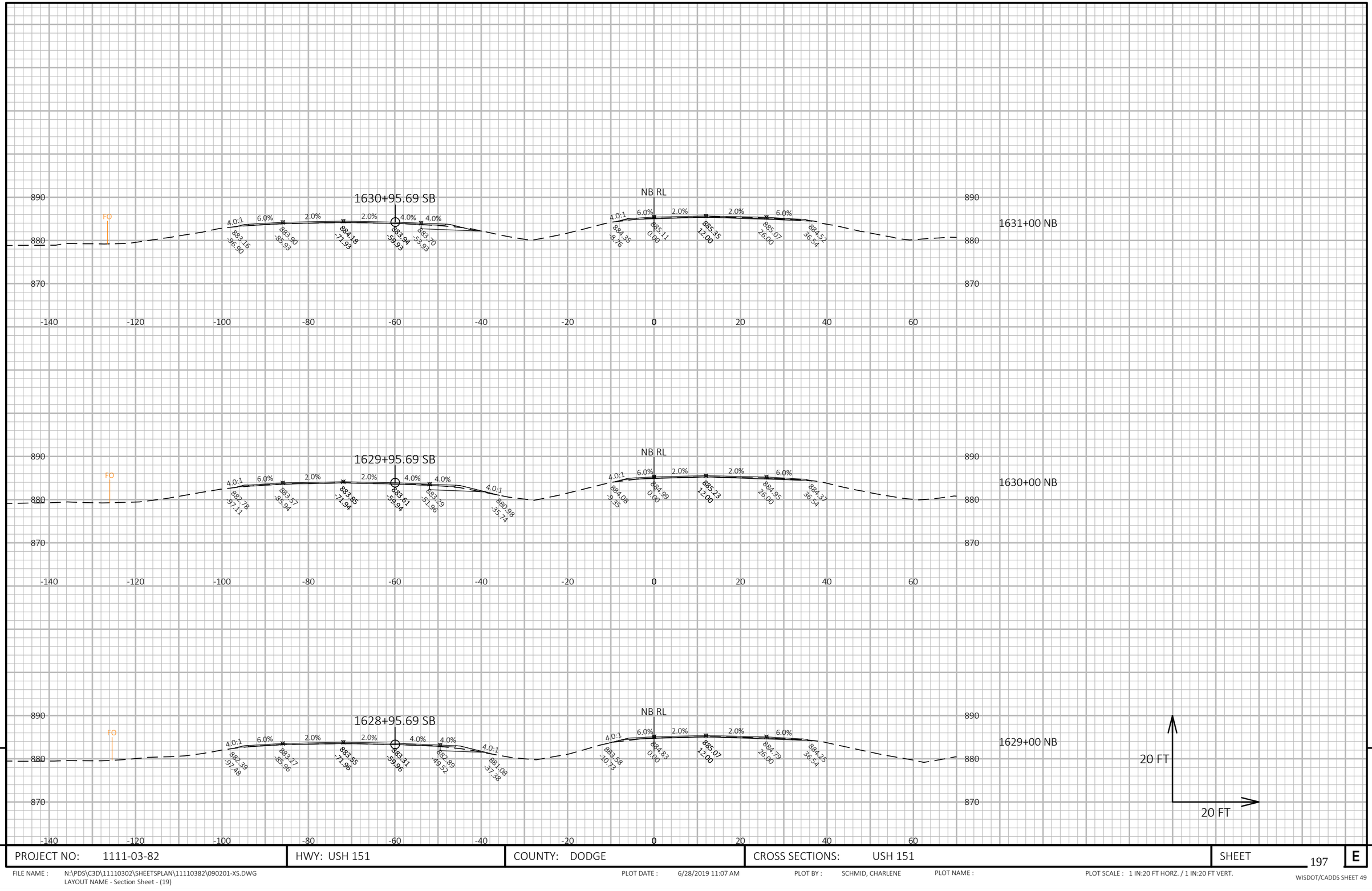
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PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 196	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (18)

PLOT DATE : 6/28/2019 11:06 AM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 197	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (19)

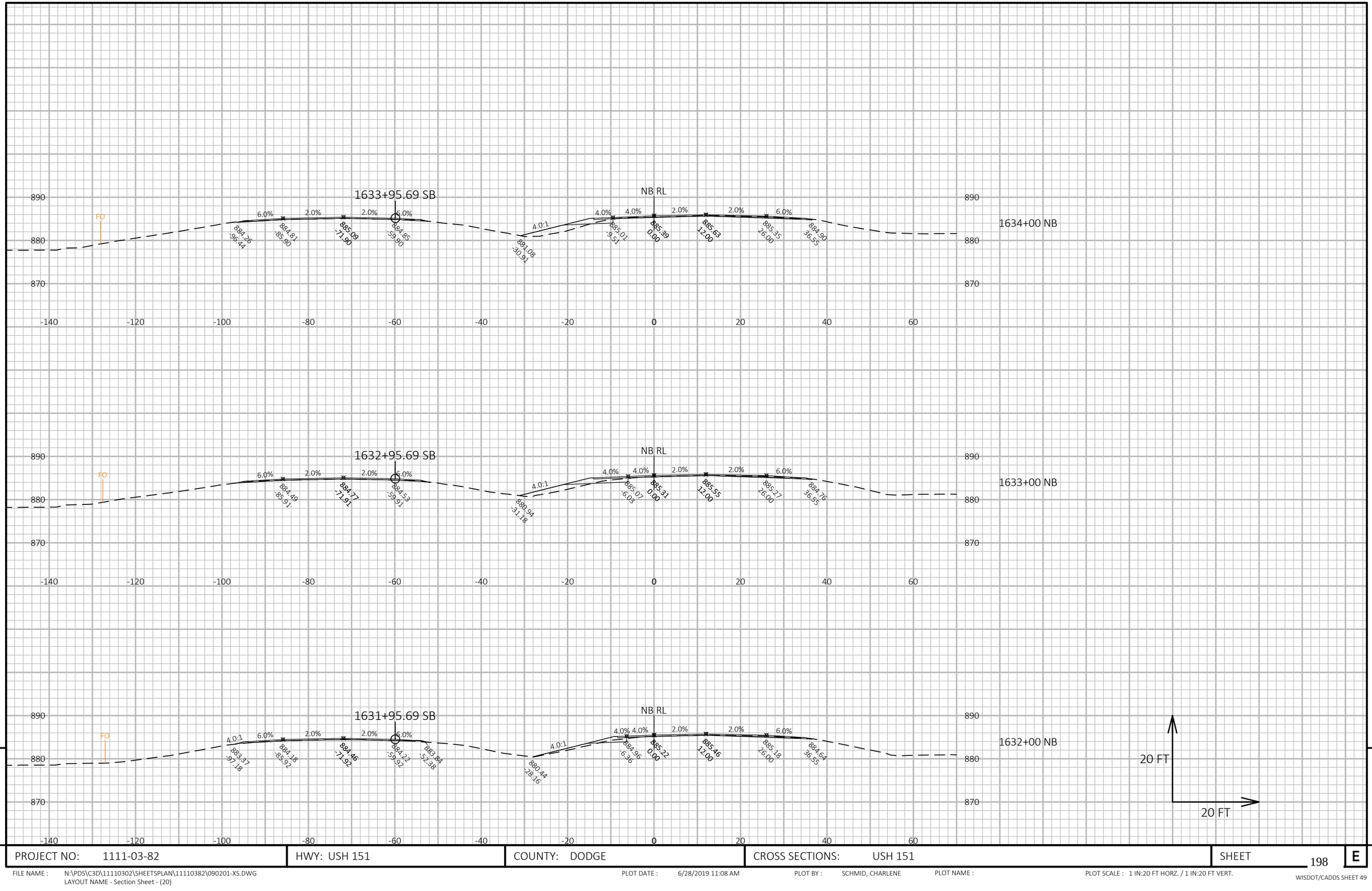
PLOT DATE : 6/28/2019 11:07 AM

PLOT BY : SCHMID, CHARLENE

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



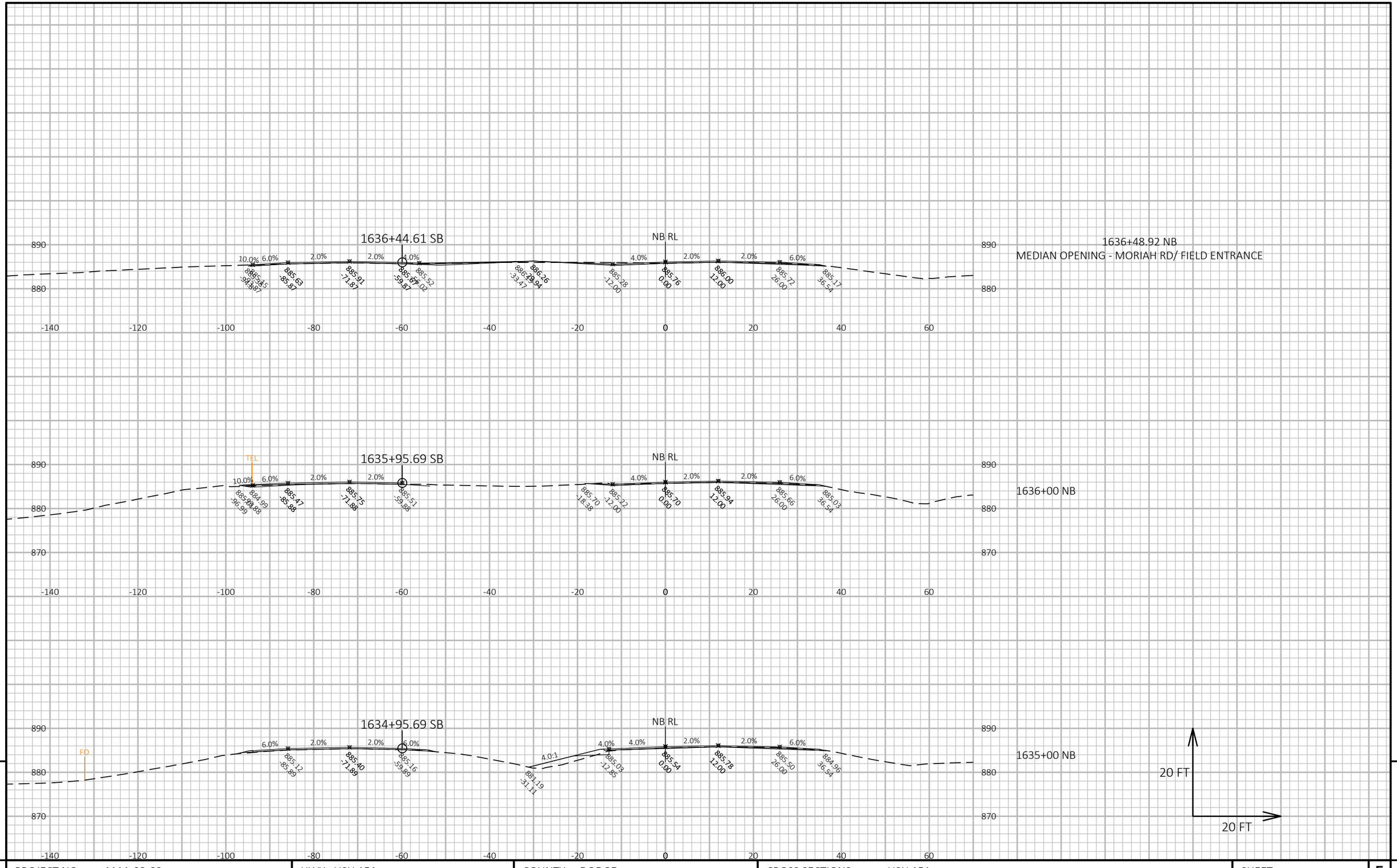
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9

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 198	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (20)

PLOT DATE : 6/28/2019 11:08 AM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

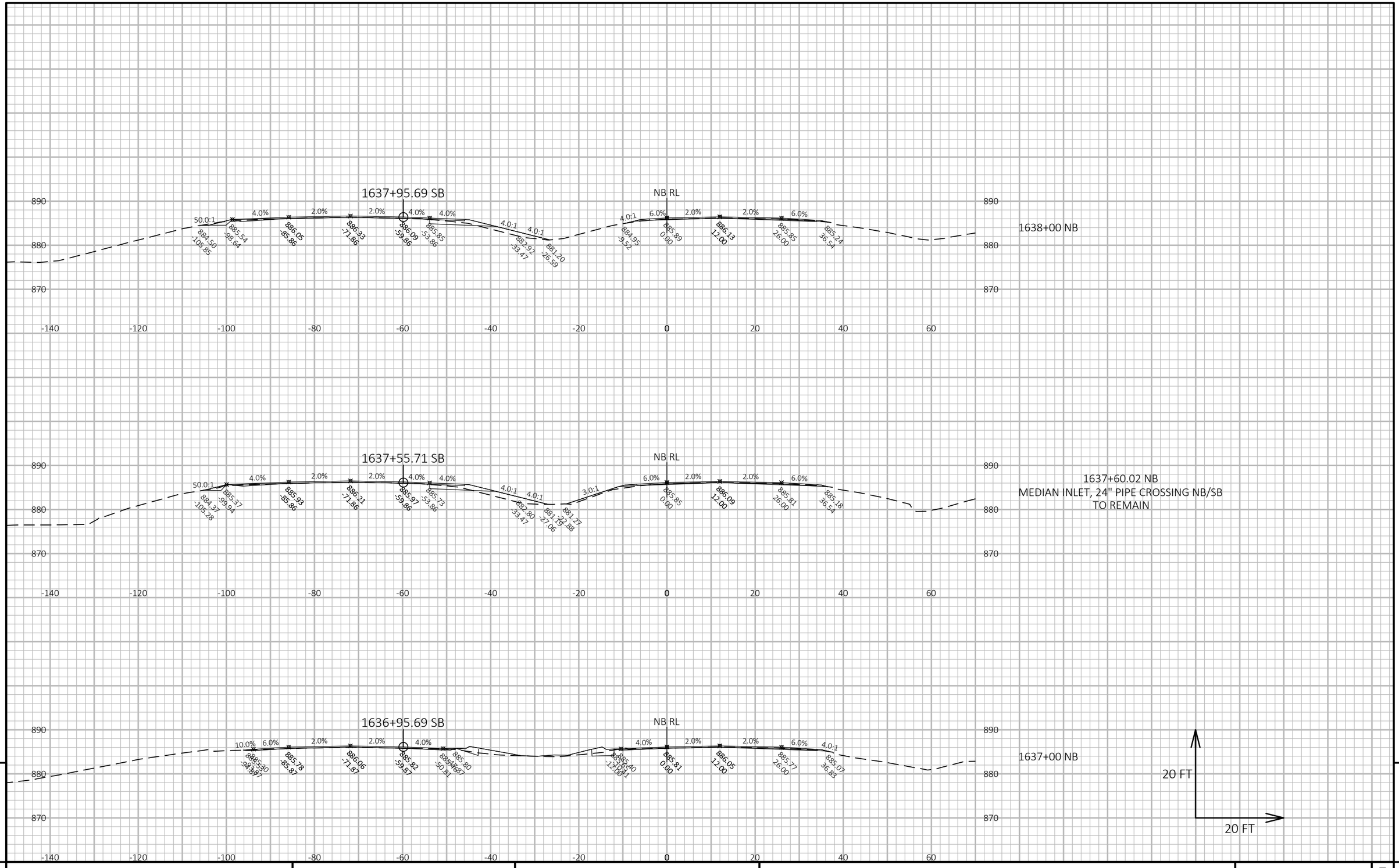


PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 199	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (21)

PLOT DATE : 6/28/2019 11:09 AM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

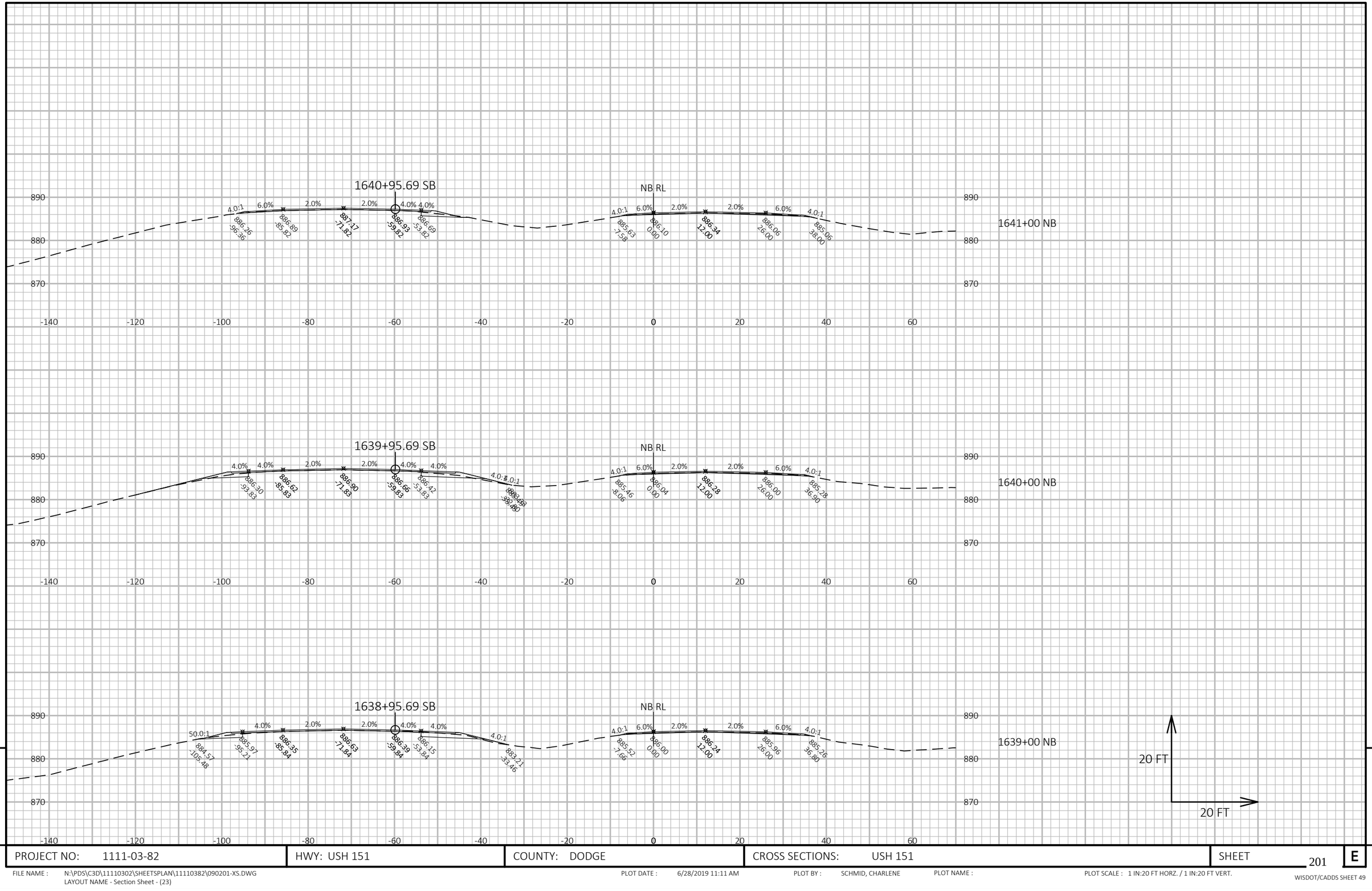
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PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 200	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (22)

PLOT DATE : 6/28/2019 11:10 AM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



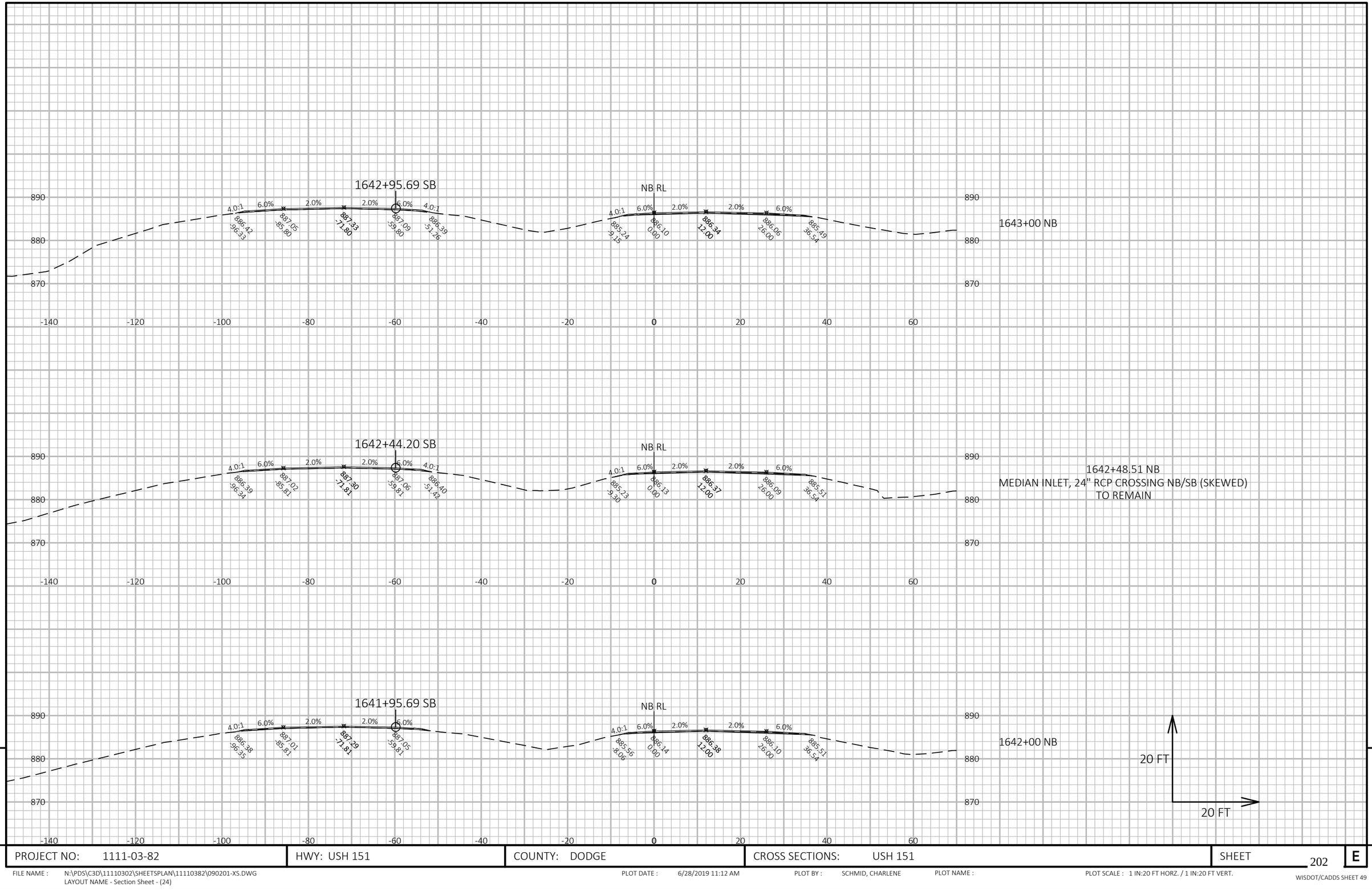
9

9

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 201	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (23)

PLOT DATE : 6/28/2019 11:11 AM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



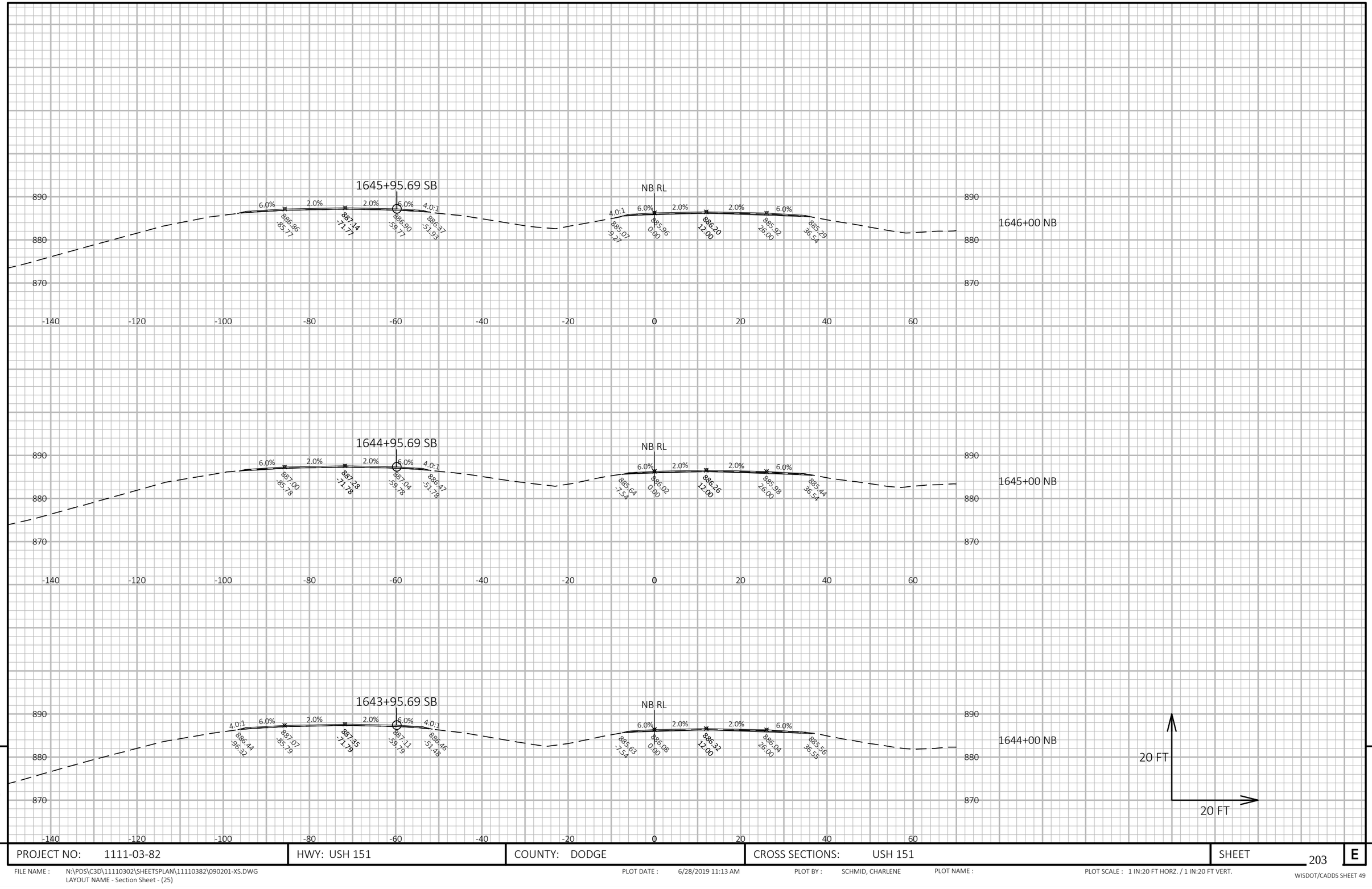
9

9

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 202	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (24)

PLOT DATE : 6/28/2019 11:12 AM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



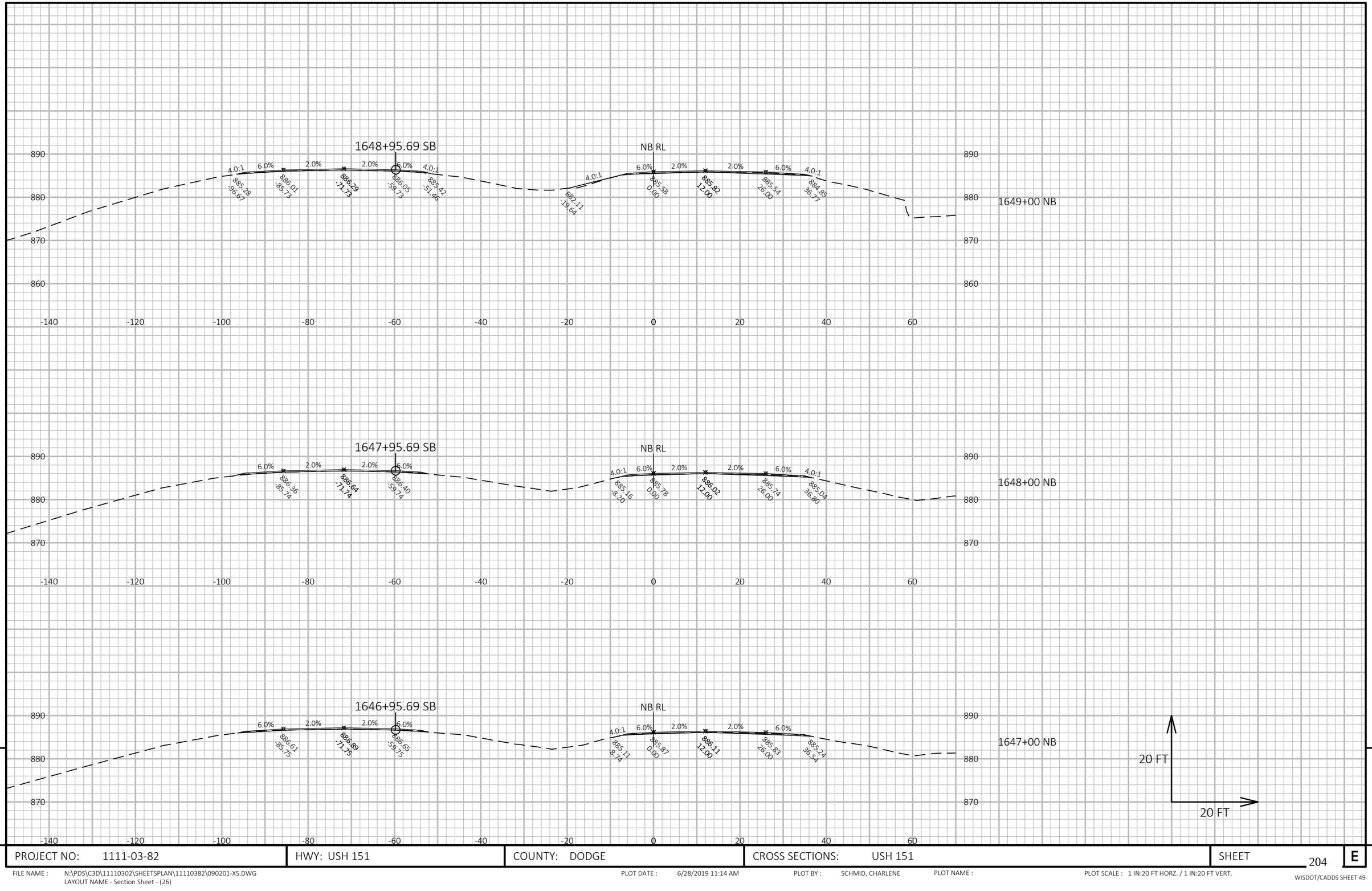
9

9

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 203	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (25)

PLOT DATE : 6/28/2019 11:13 AM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



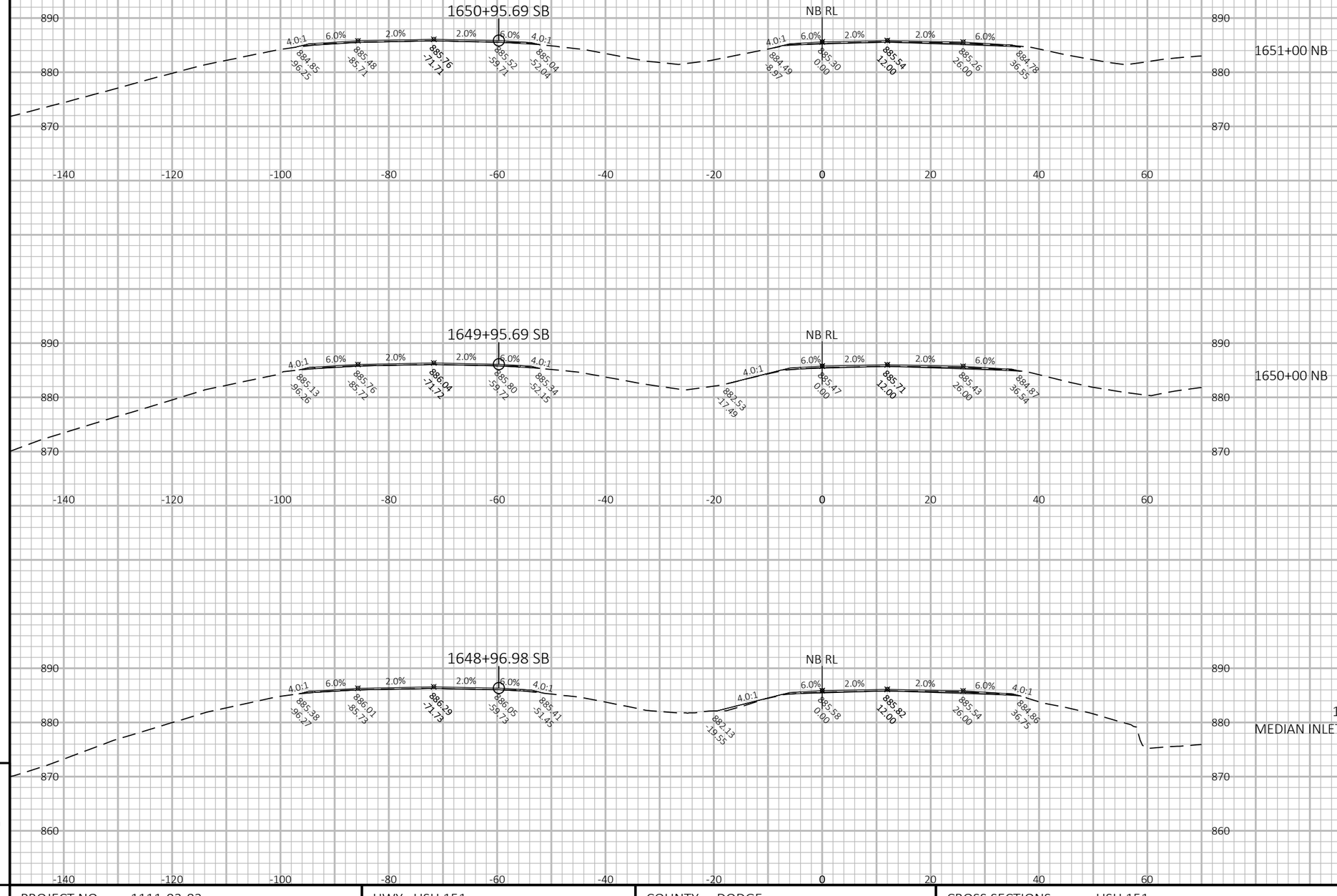
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9

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 204	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (26)

PLOT DATE : 6/28/2019 11:14 AM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

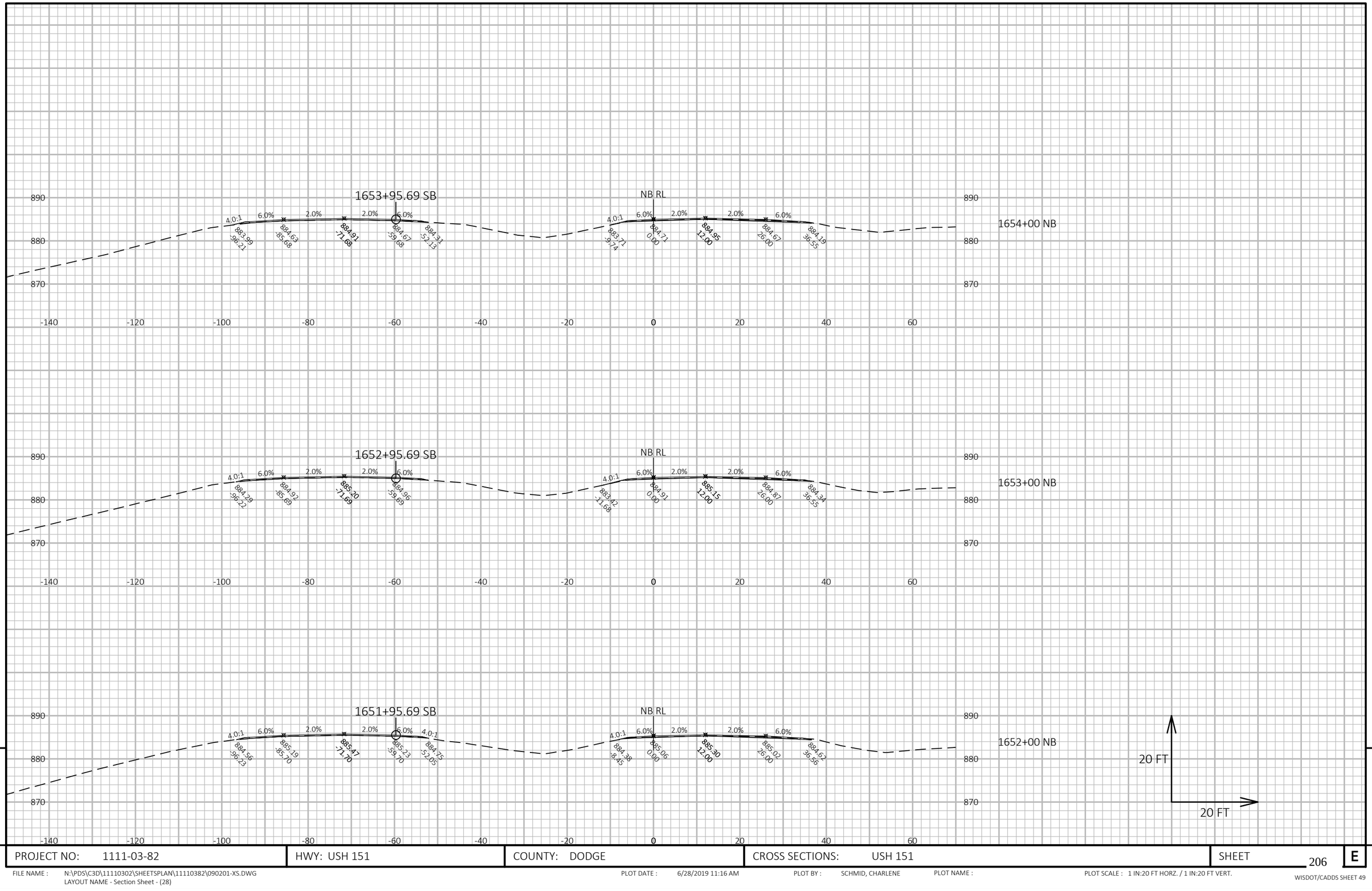
9

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 205	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (27)

PLOT DATE : 6/28/2019 11:15 AM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

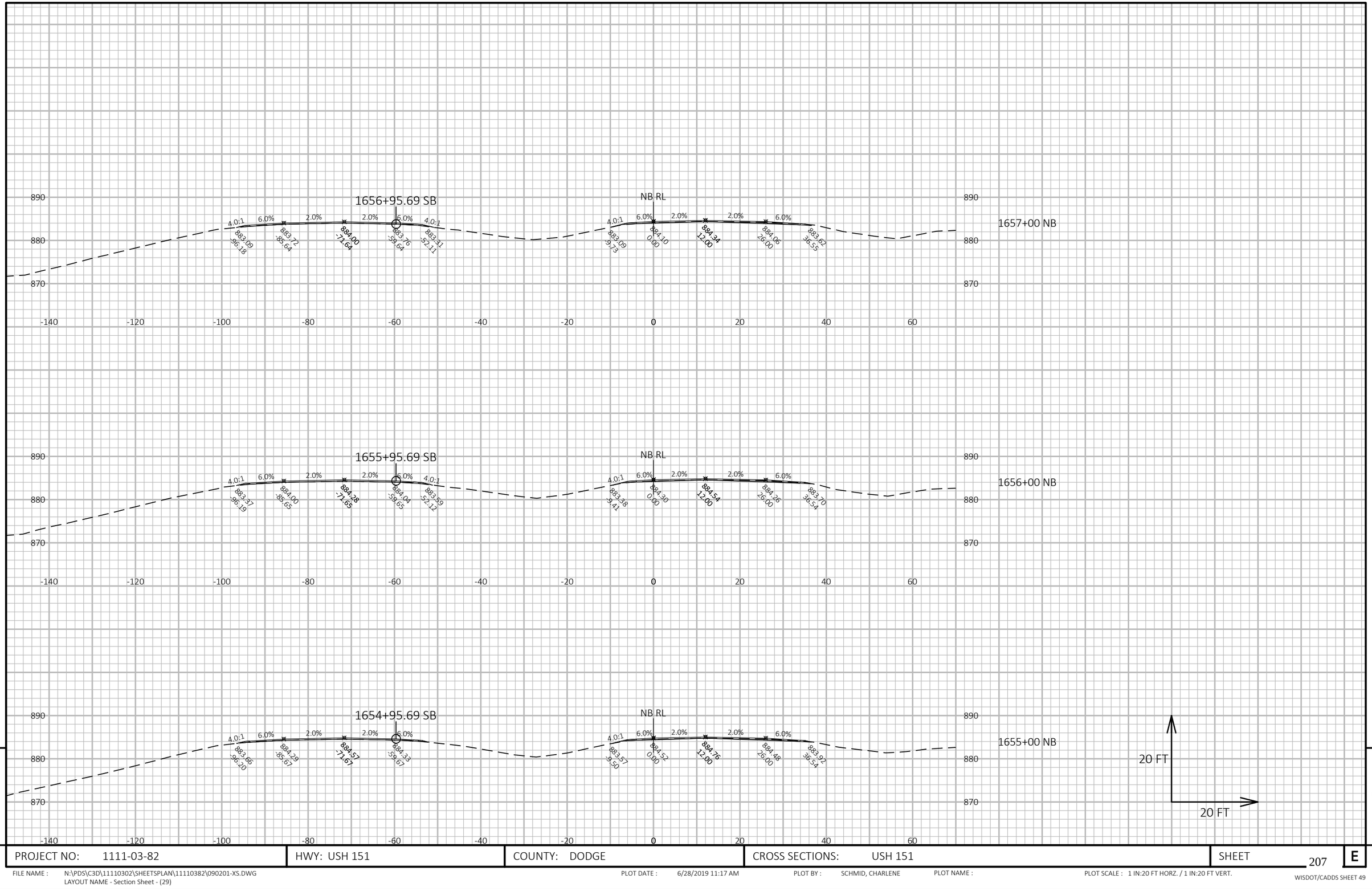
9

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 206	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (28)

PLOT DATE : 6/28/2019 11:16 AM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



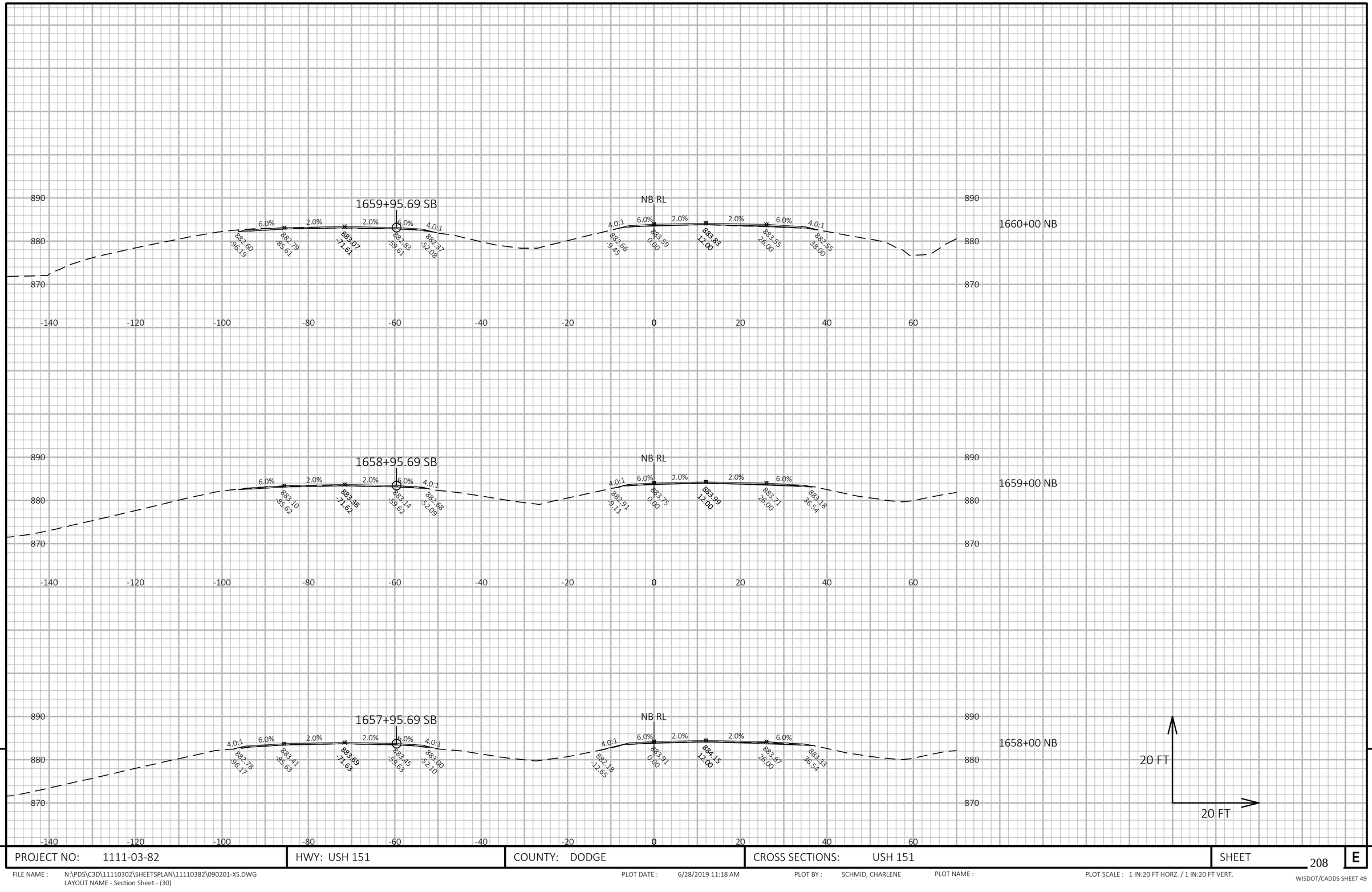
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9

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 207	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (29)

PLOT DATE : 6/28/2019 11:17 AM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



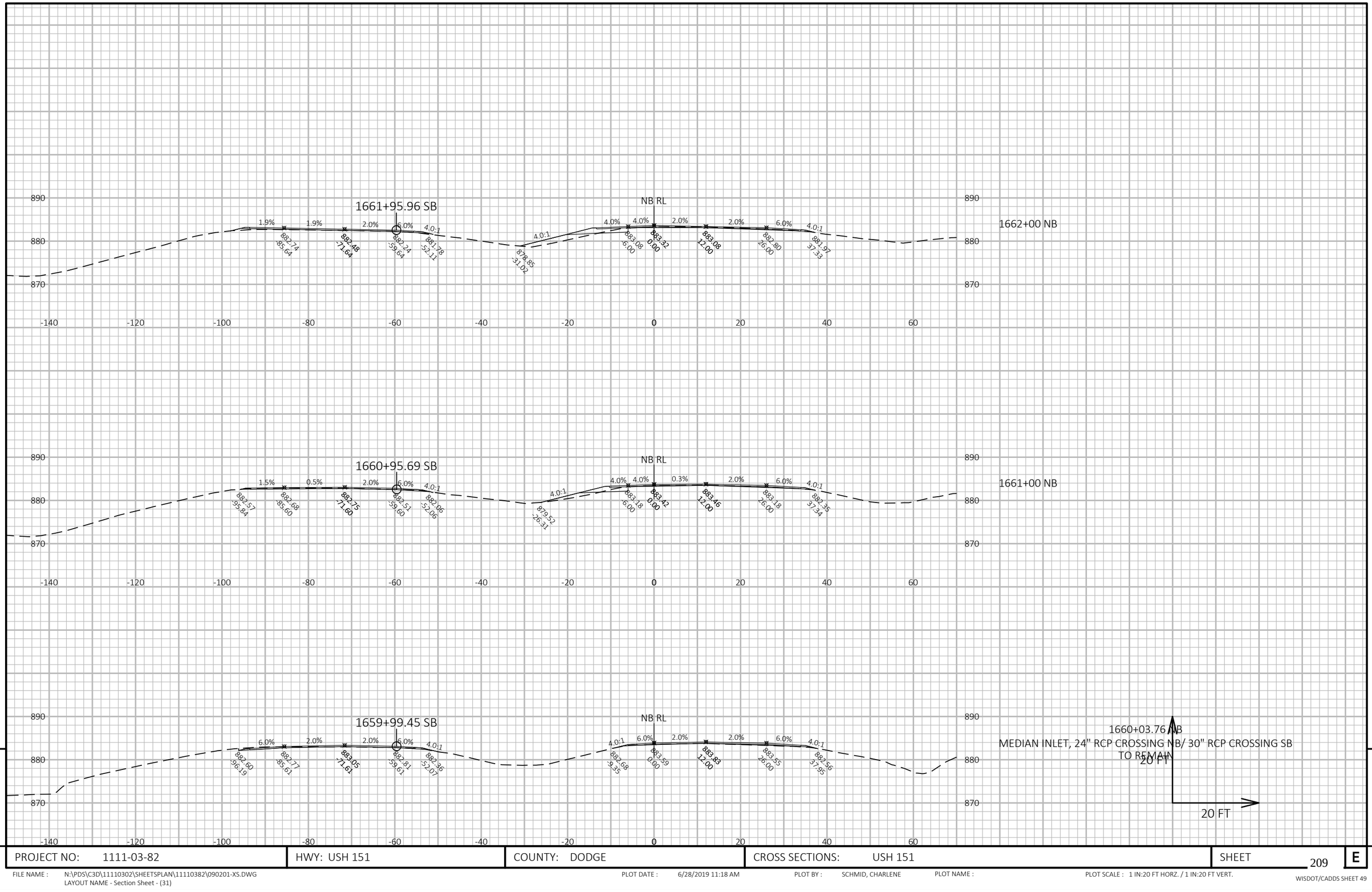
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9

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 208	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (30)

PLOT DATE : 6/28/2019 11:18 AM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

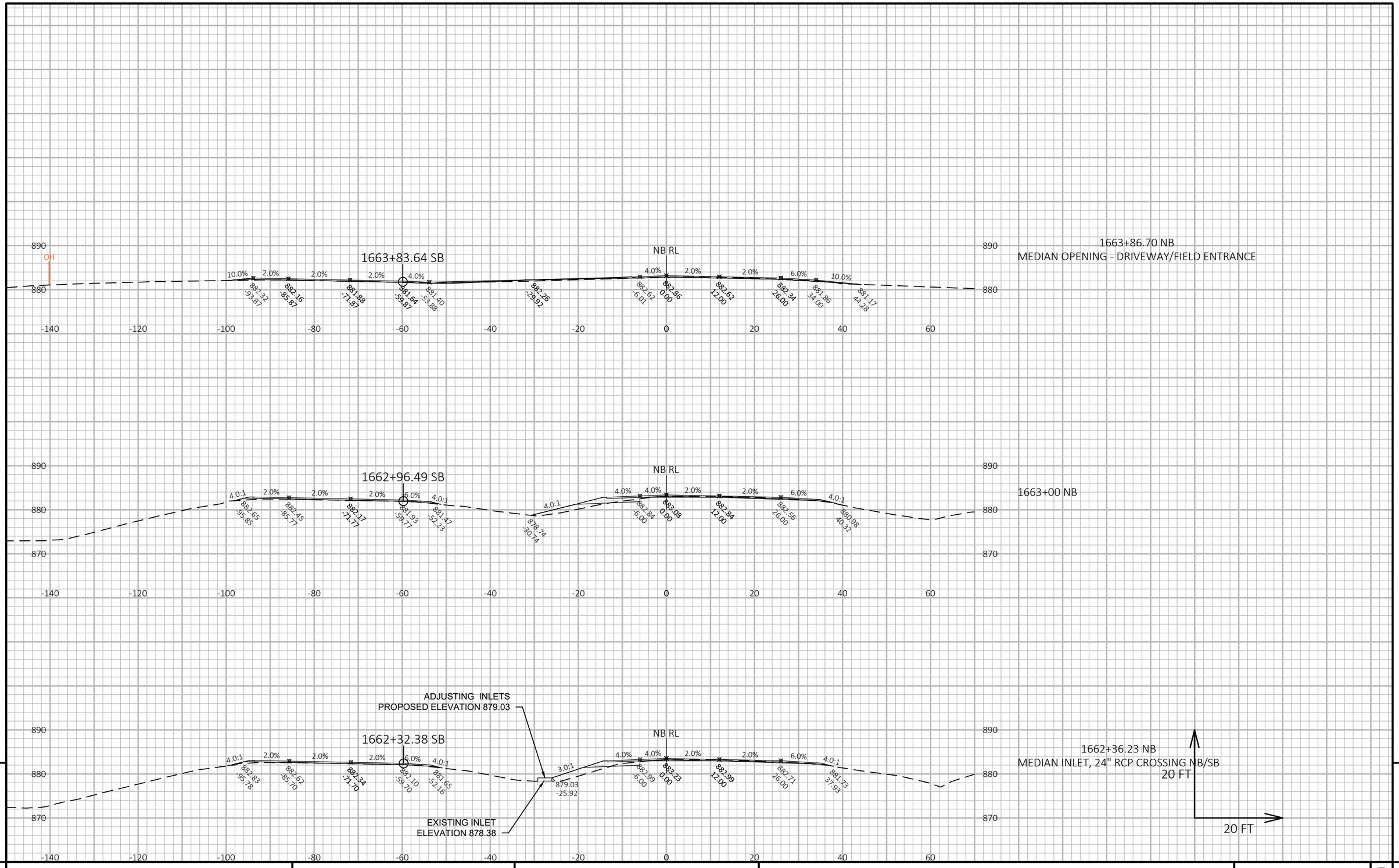


PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 209	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (31)

PLOT DATE : 6/28/2019 11:18 AM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

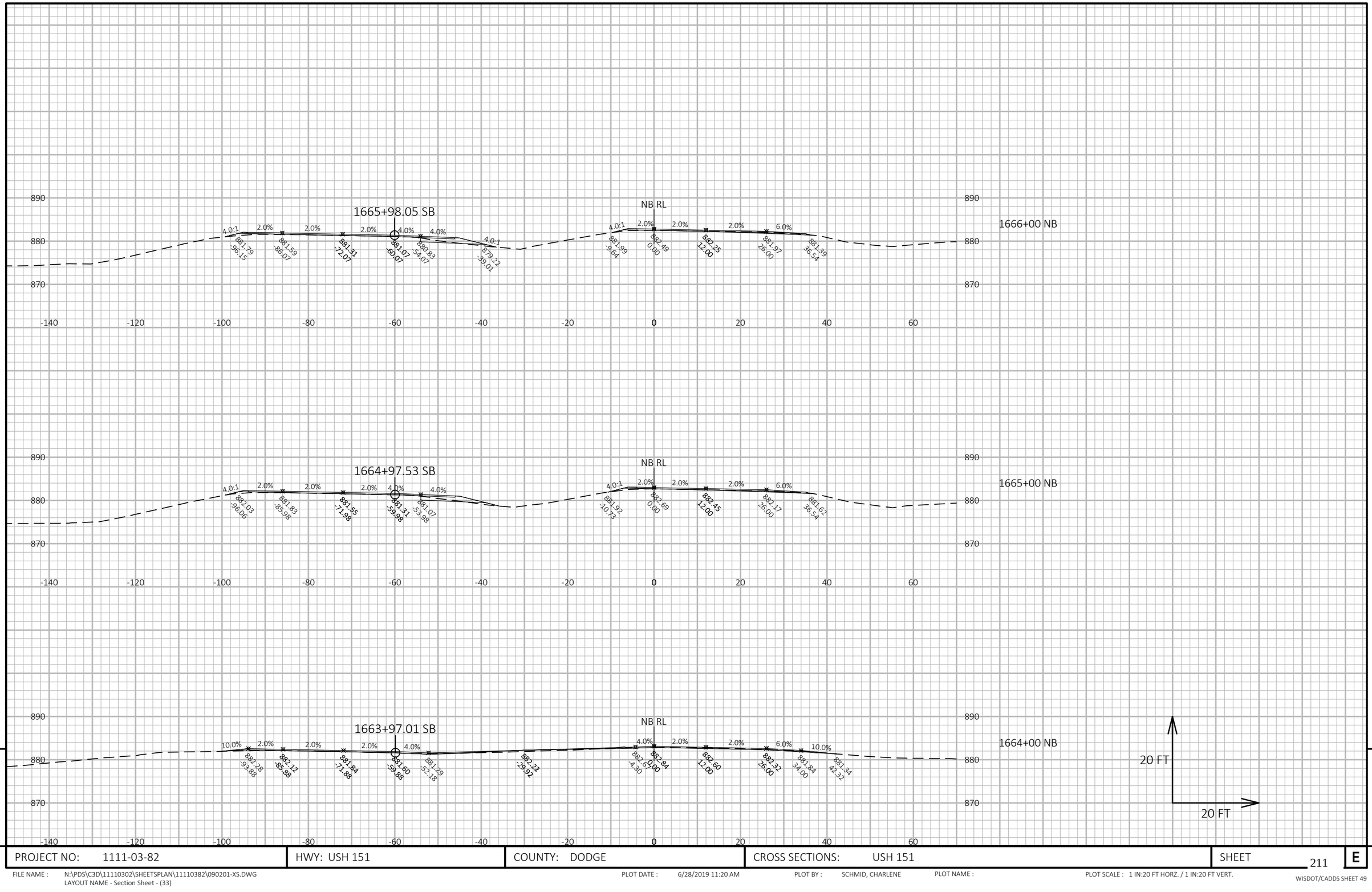


PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 210	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (32)

PLOT DATE : 6/28/2019 11:19 AM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

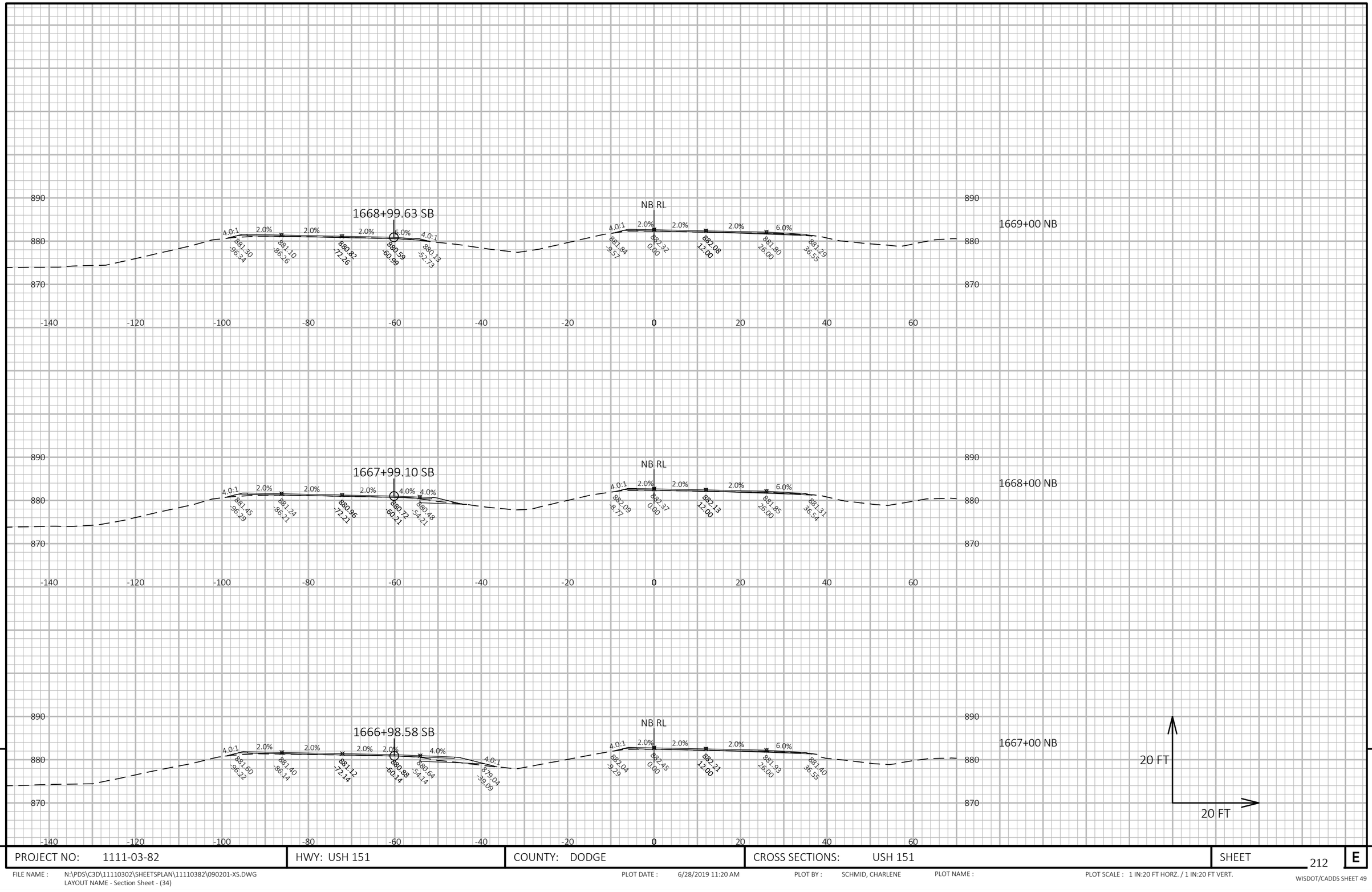
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PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 211	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (33)

PLOT DATE : 6/28/2019 11:20 AM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



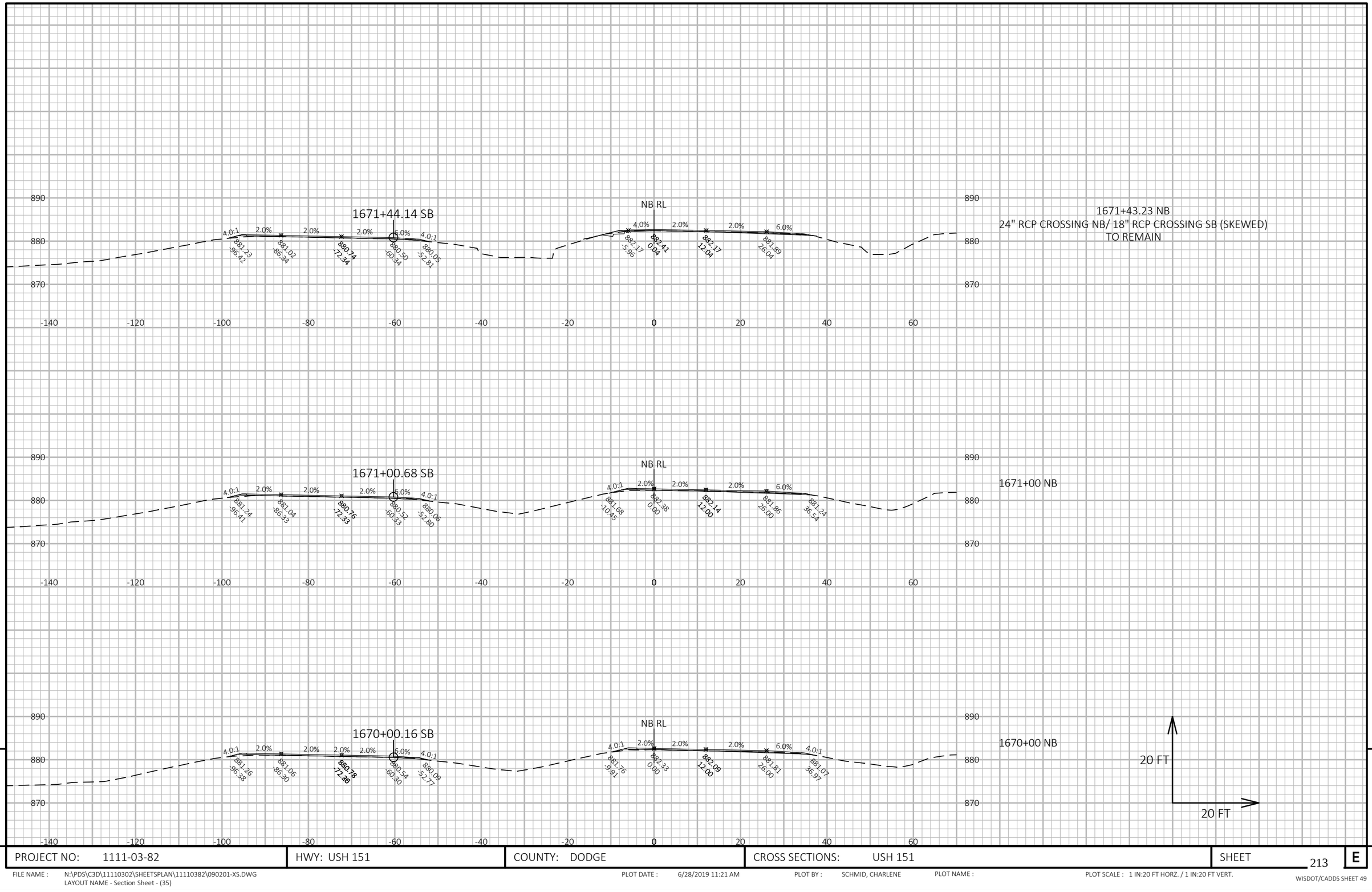
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9

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 212	E

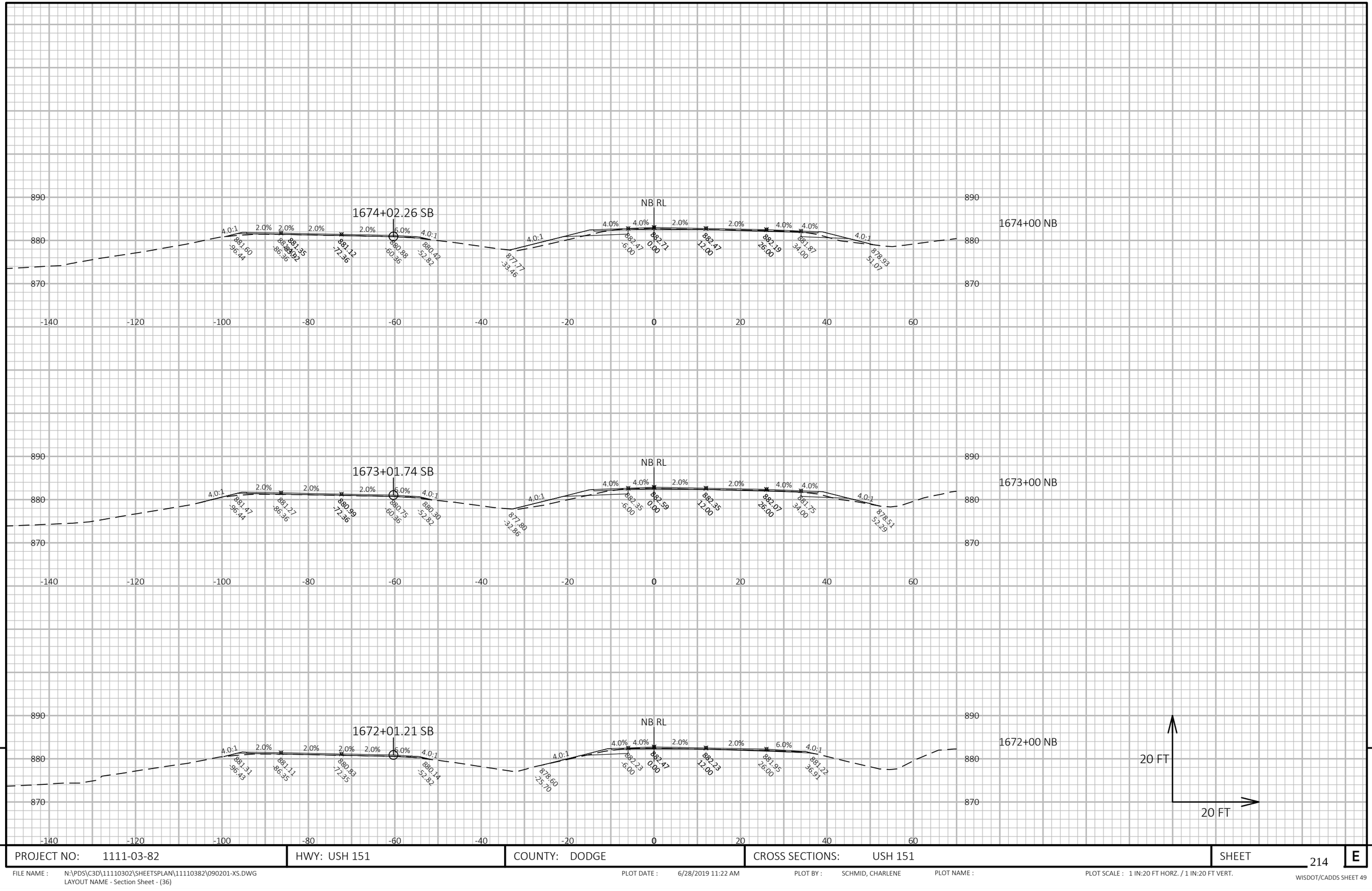
FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (34)

PLOT DATE : 6/28/2019 11:20 AM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 213	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (35)
PLOT DATE : 6/28/2019 11:21 AM
PLOT BY : SCHMID, CHARLENE
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49

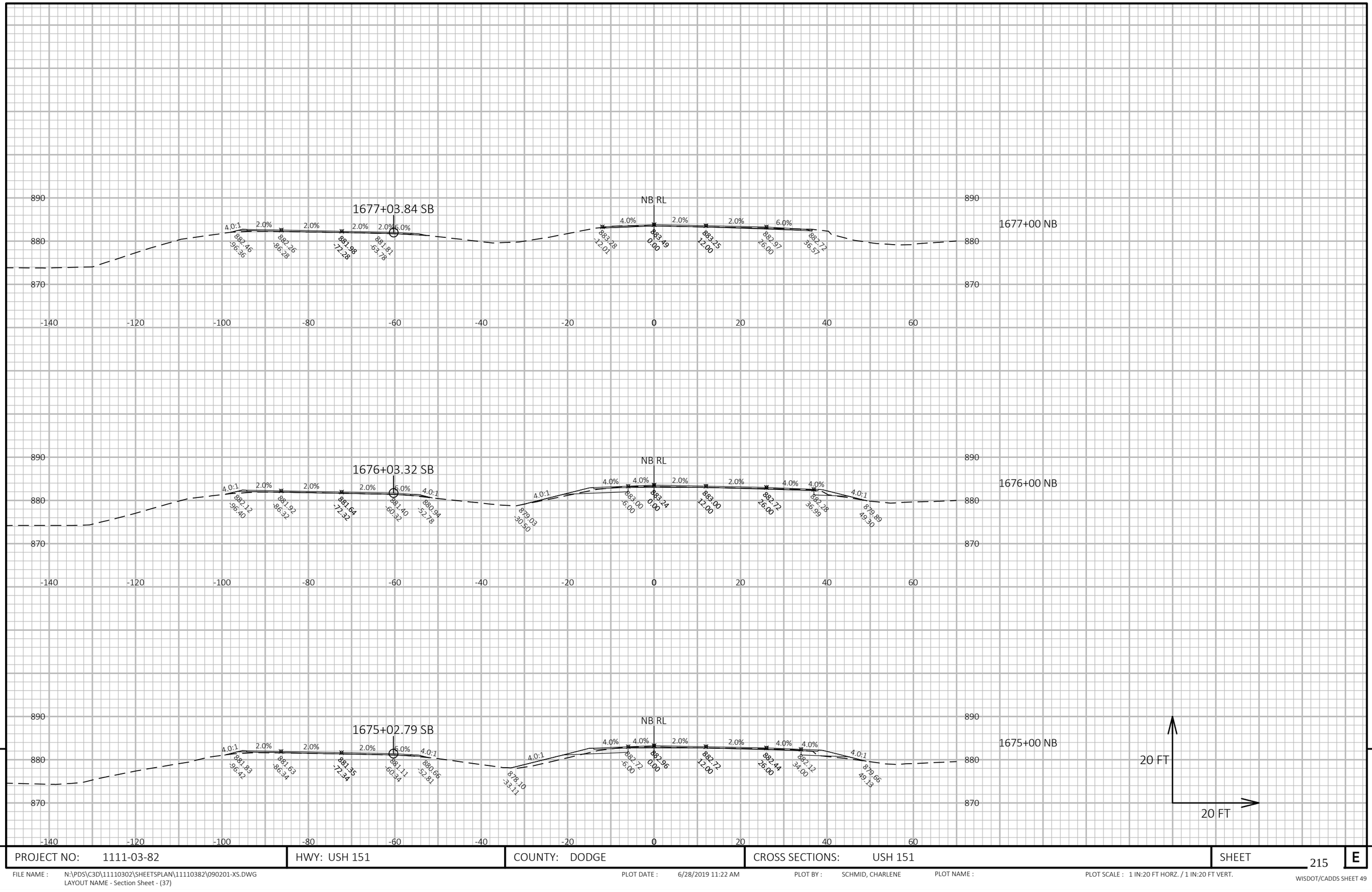


PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 214	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (36)

PLOT DATE : 6/28/2019 11:22 AM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

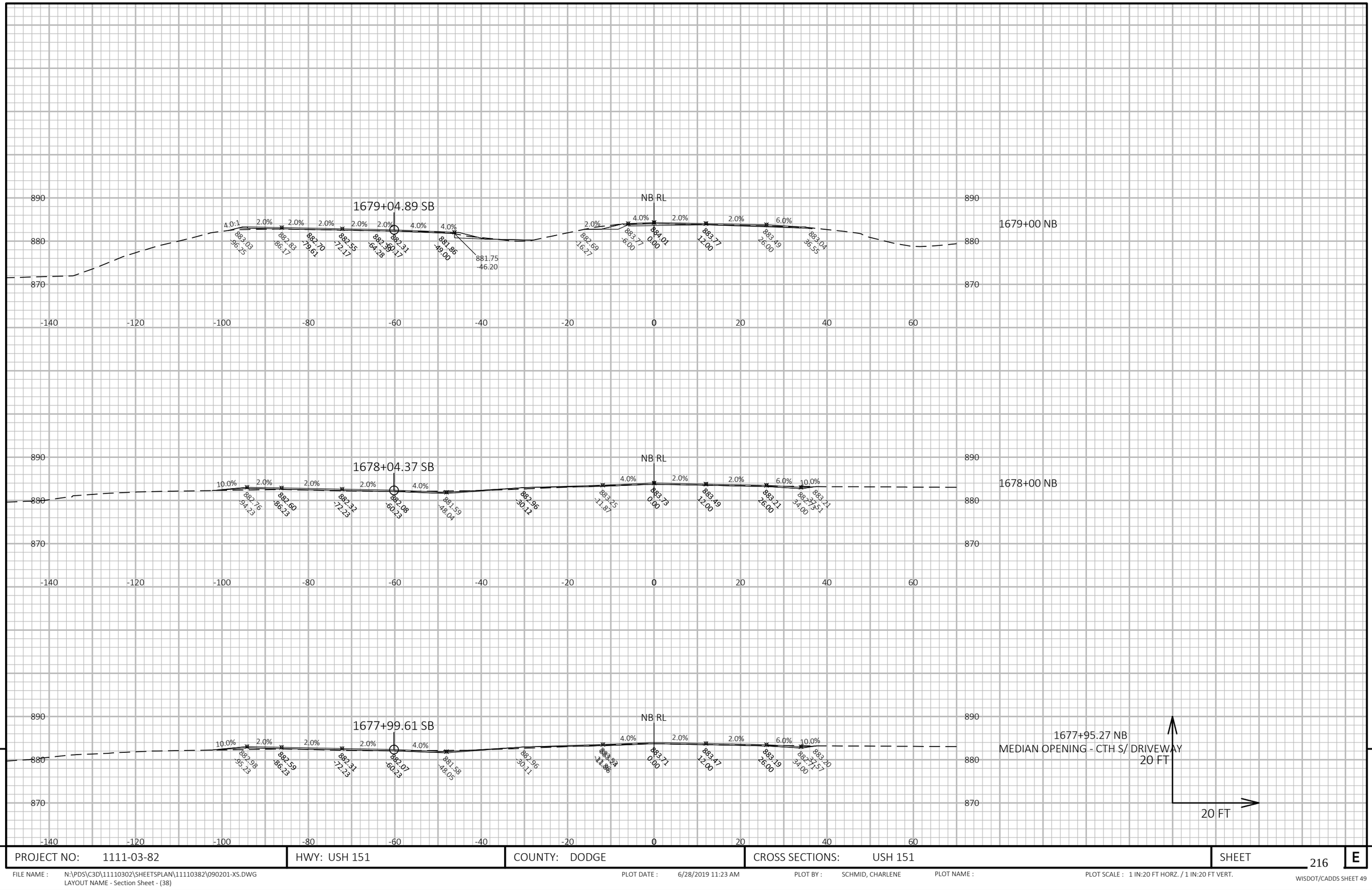
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PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 215	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (37)

PLOT DATE : 6/28/2019 11:22 AM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

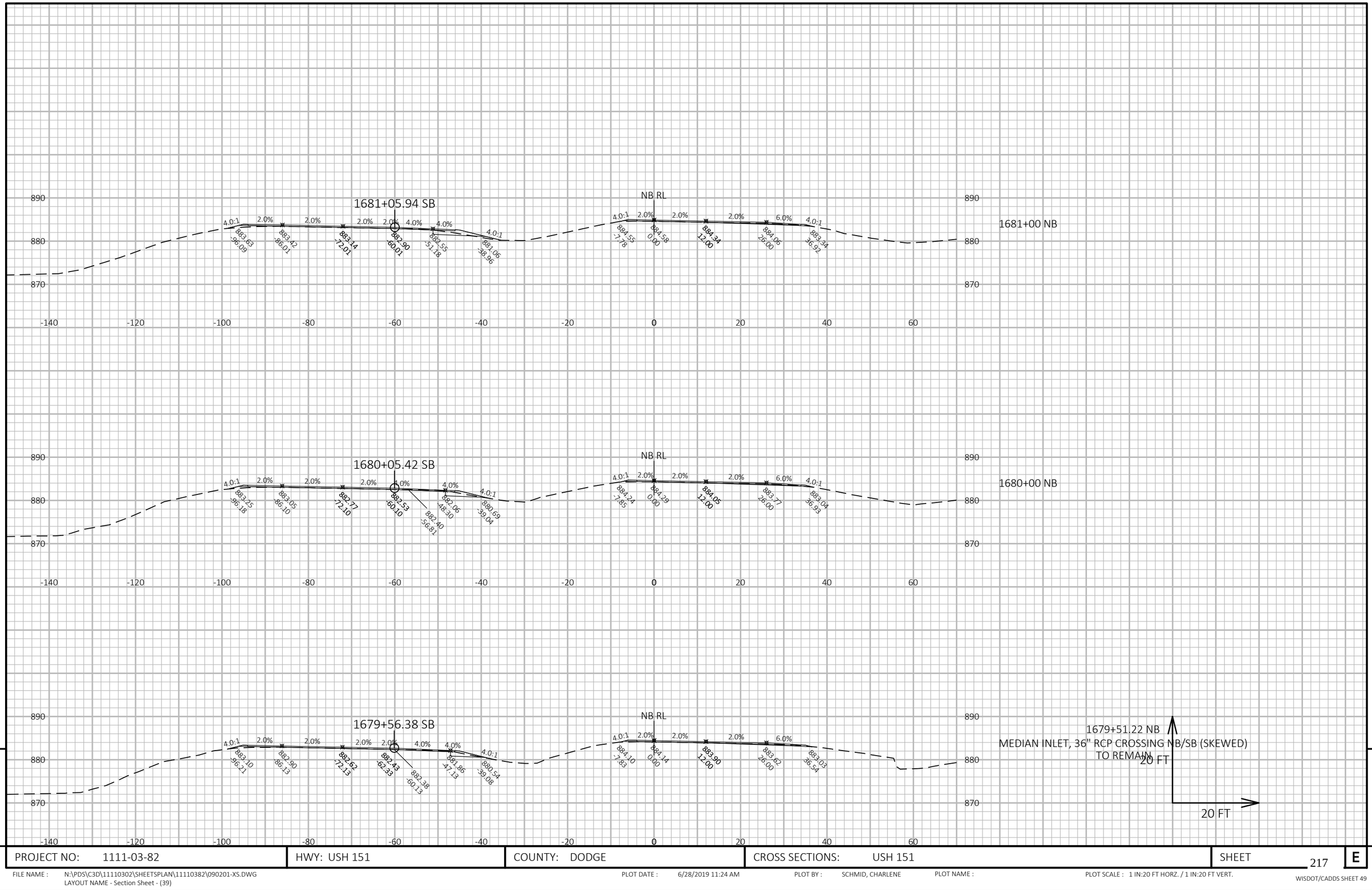


9

9

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 216	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (38)
PLOT DATE : 6/28/2019 11:23 AM
PLOT BY : SCHMID, CHARLENE
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49



9

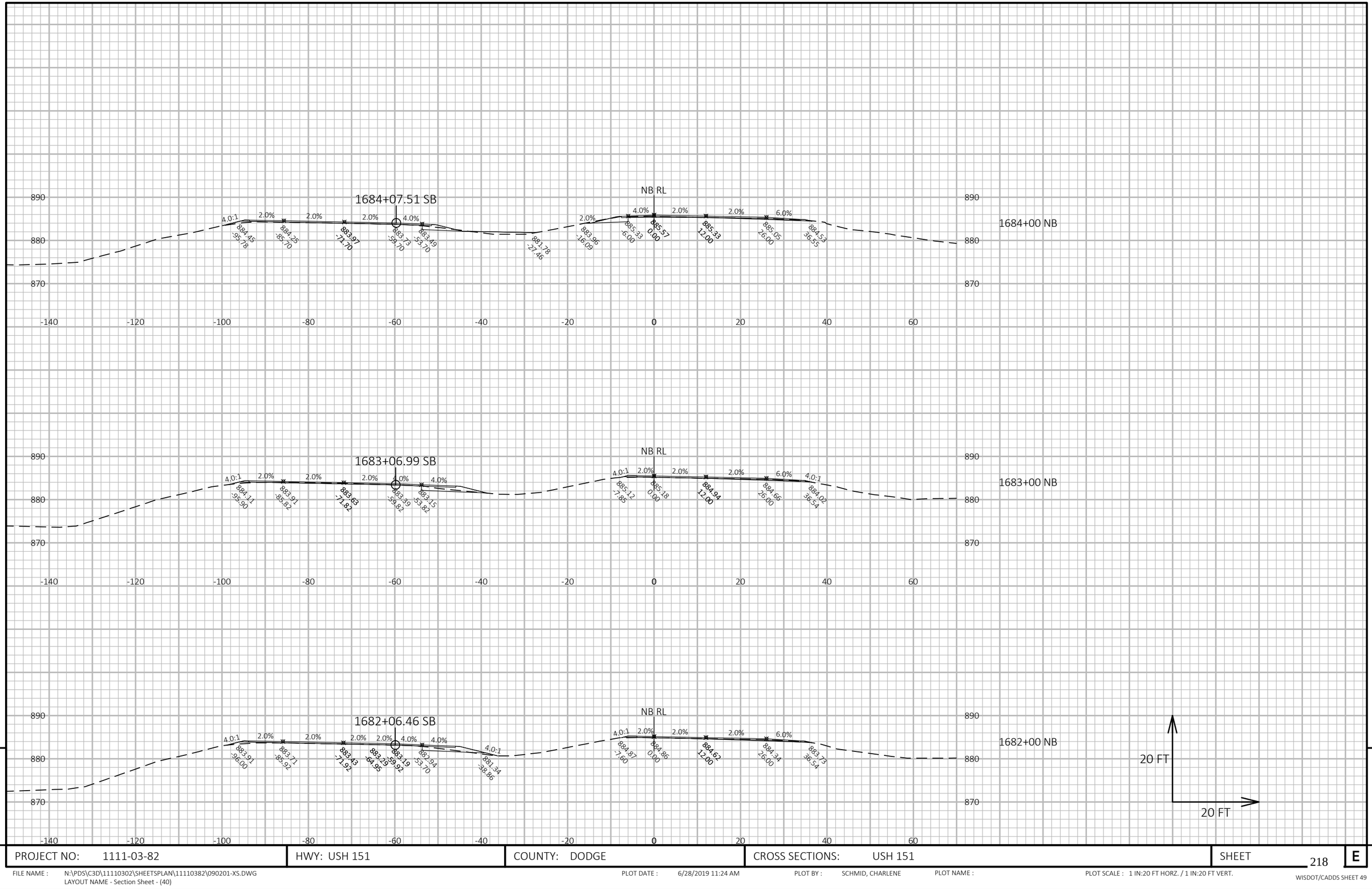
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PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 217	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (39)

PLOT DATE : 6/28/2019 11:24 AM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



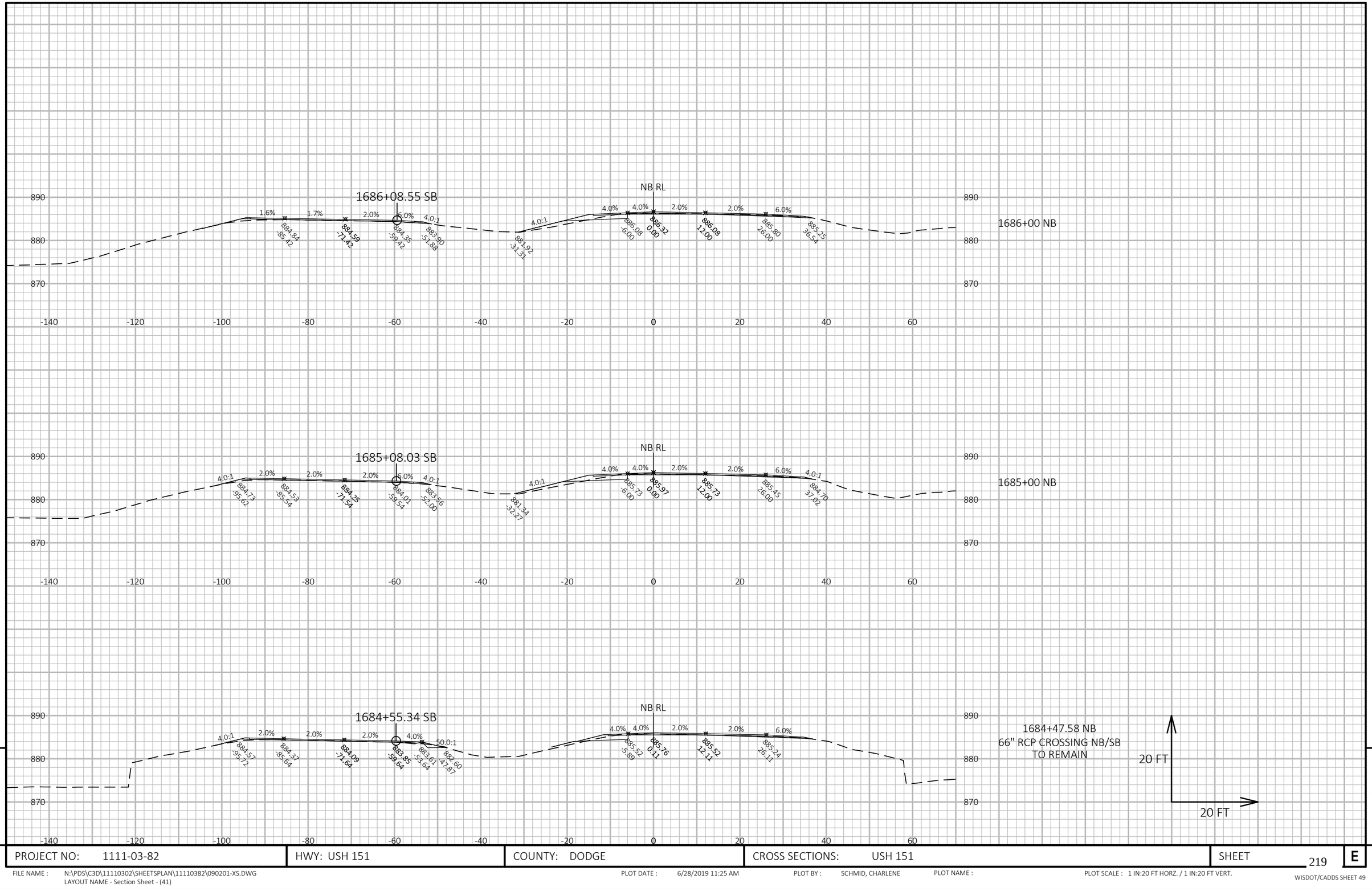
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9

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 218	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (40)

PLOT DATE : 6/28/2019 11:24 AM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



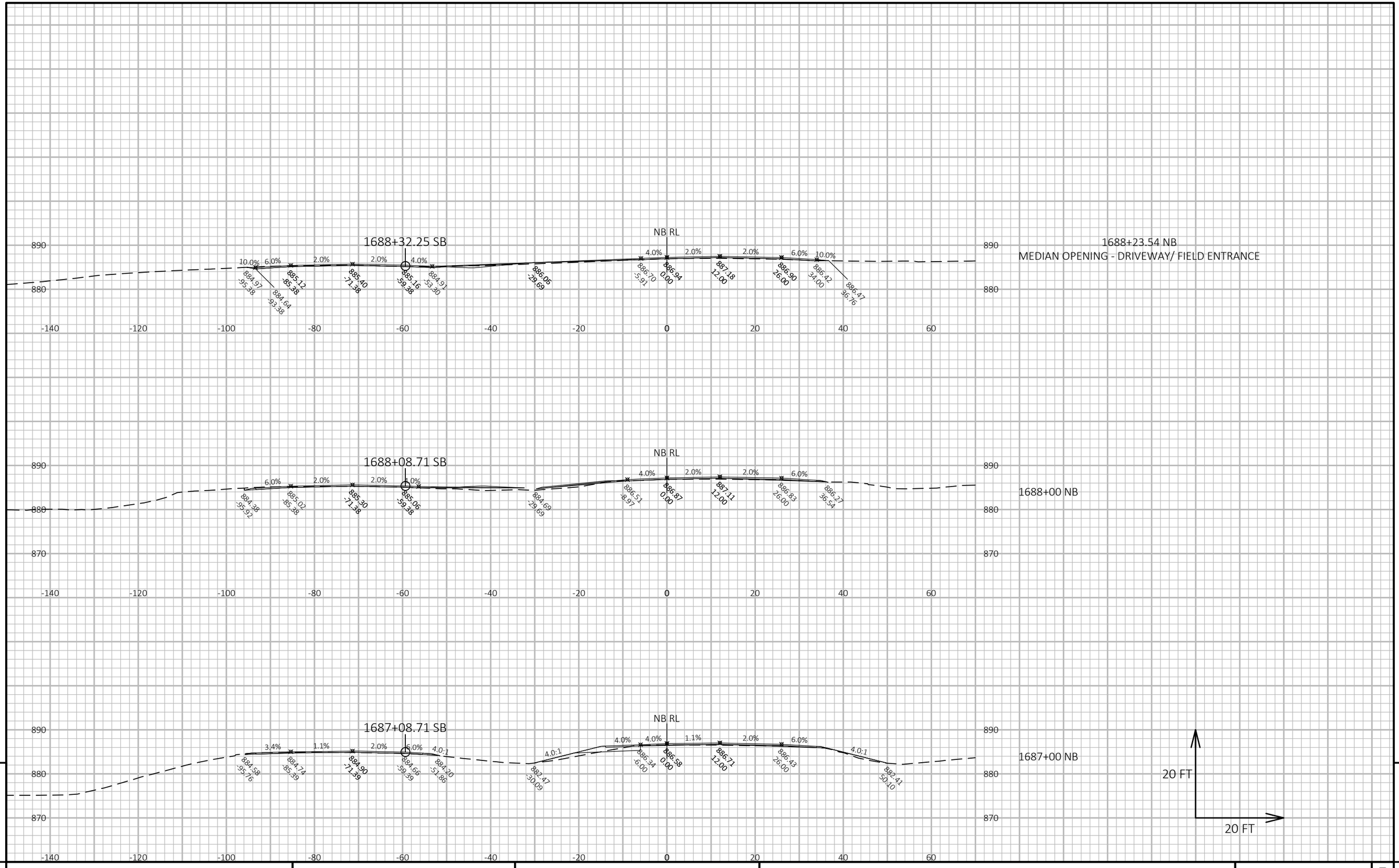
9

9

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 219	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (41)

PLOT DATE : 6/28/2019 11:25 AM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

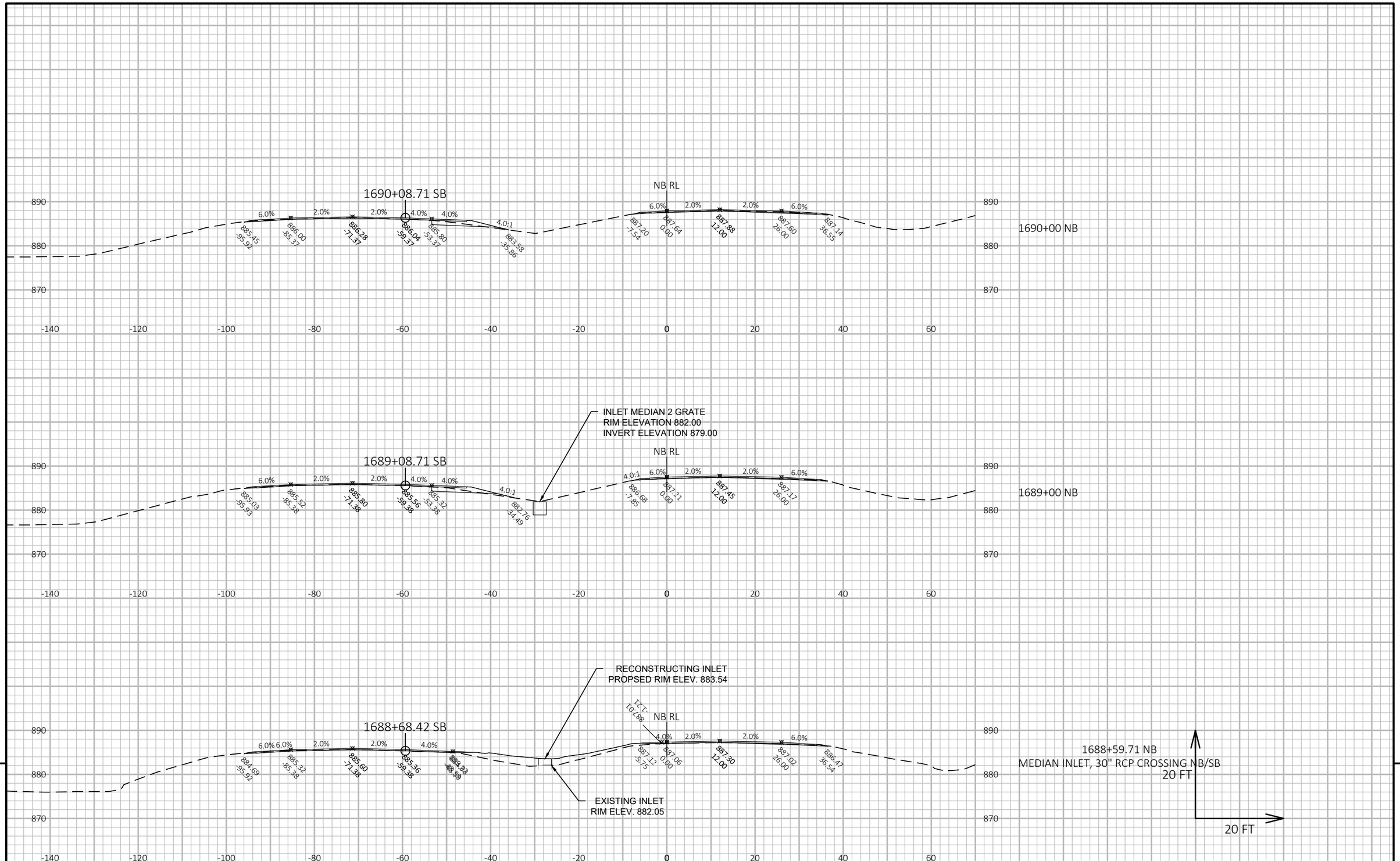


PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 220	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (42)

PLOT DATE : 6/28/2019 11:26 AM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

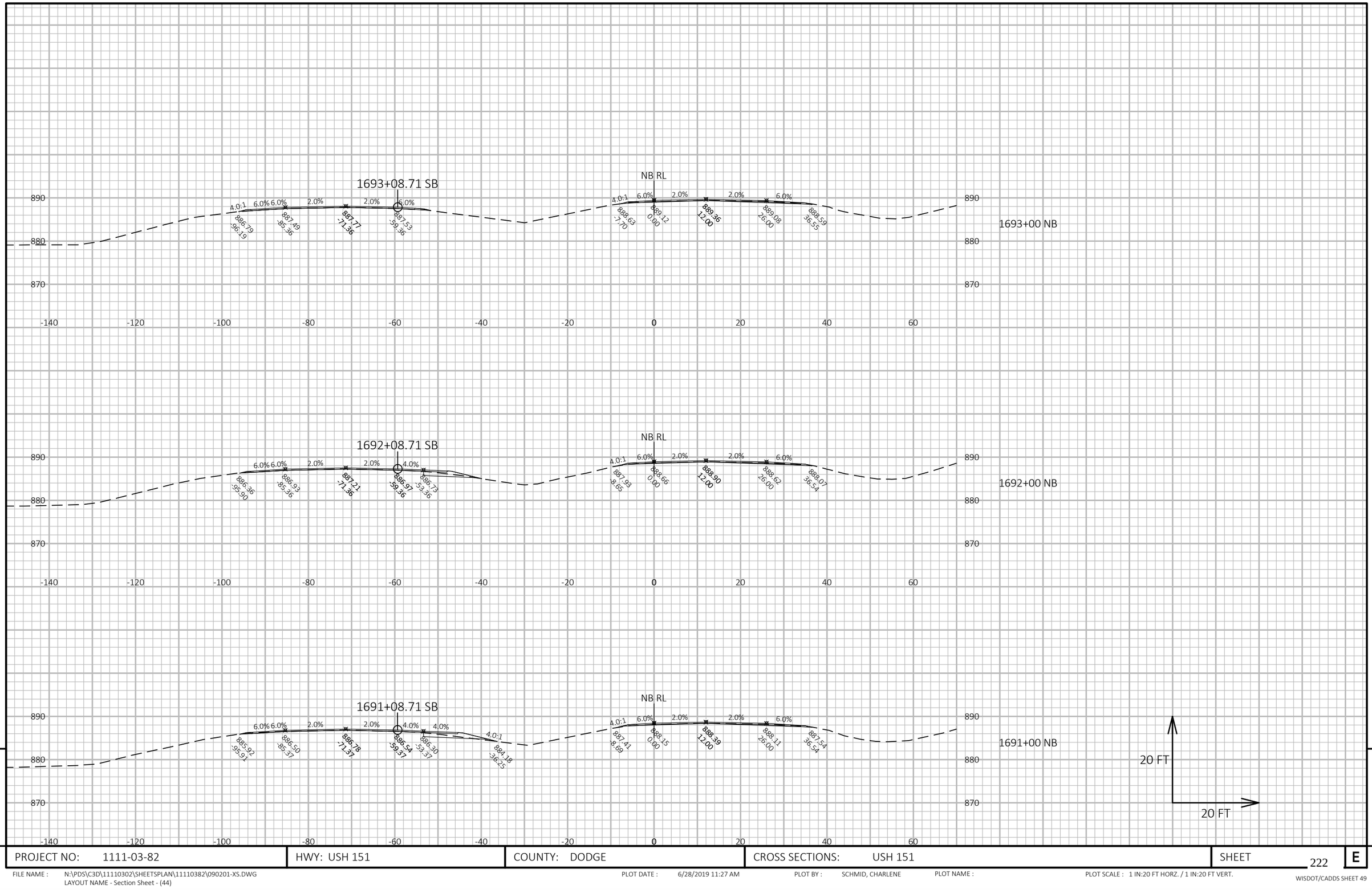
9

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 221	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (43)

PLOT DATE : 6/28/2019 11:26 AM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 222	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (44)

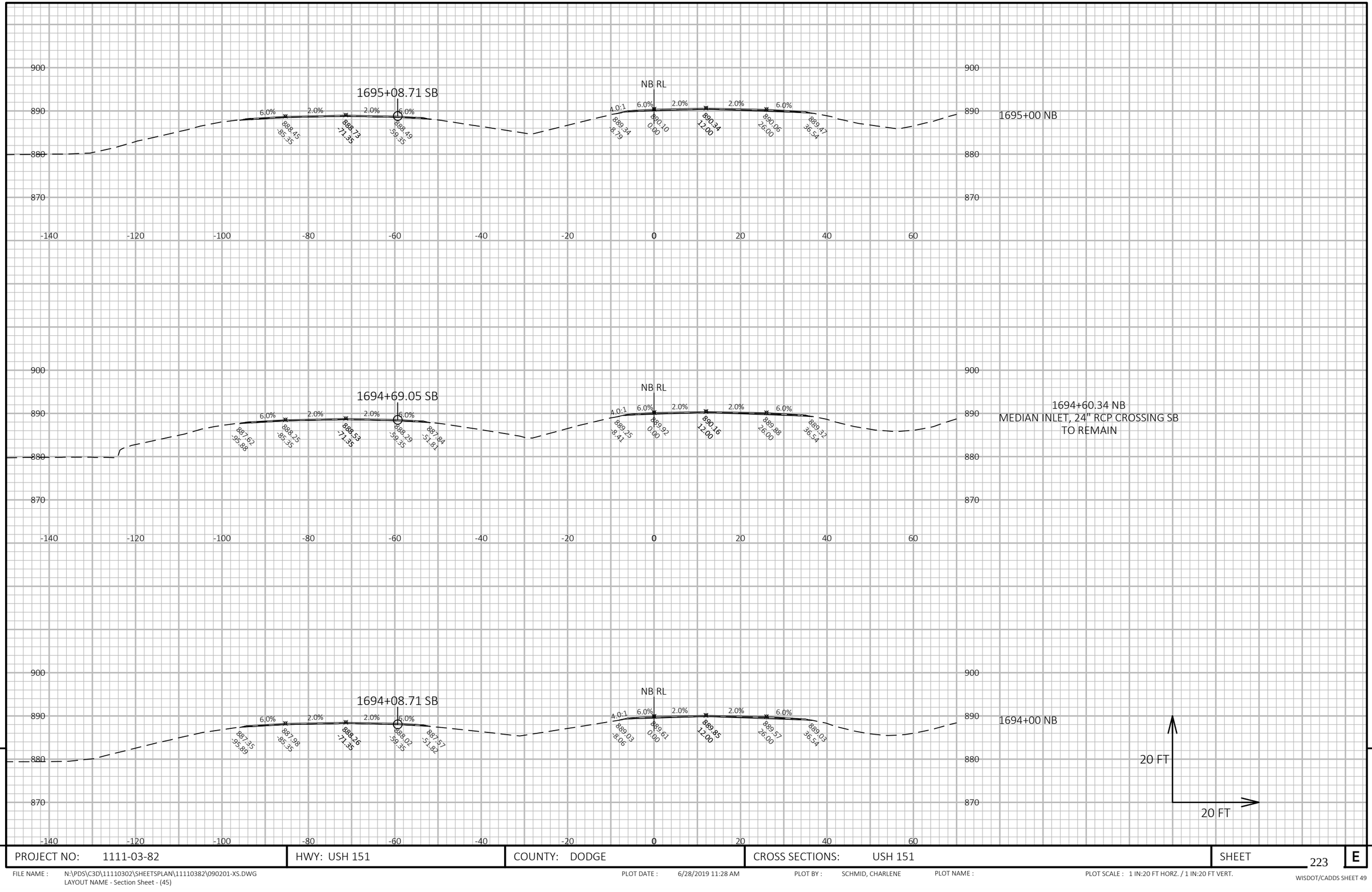
PLOT DATE : 6/28/2019 11:27 AM

PLOT BY : SCHMID, CHARLENE

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

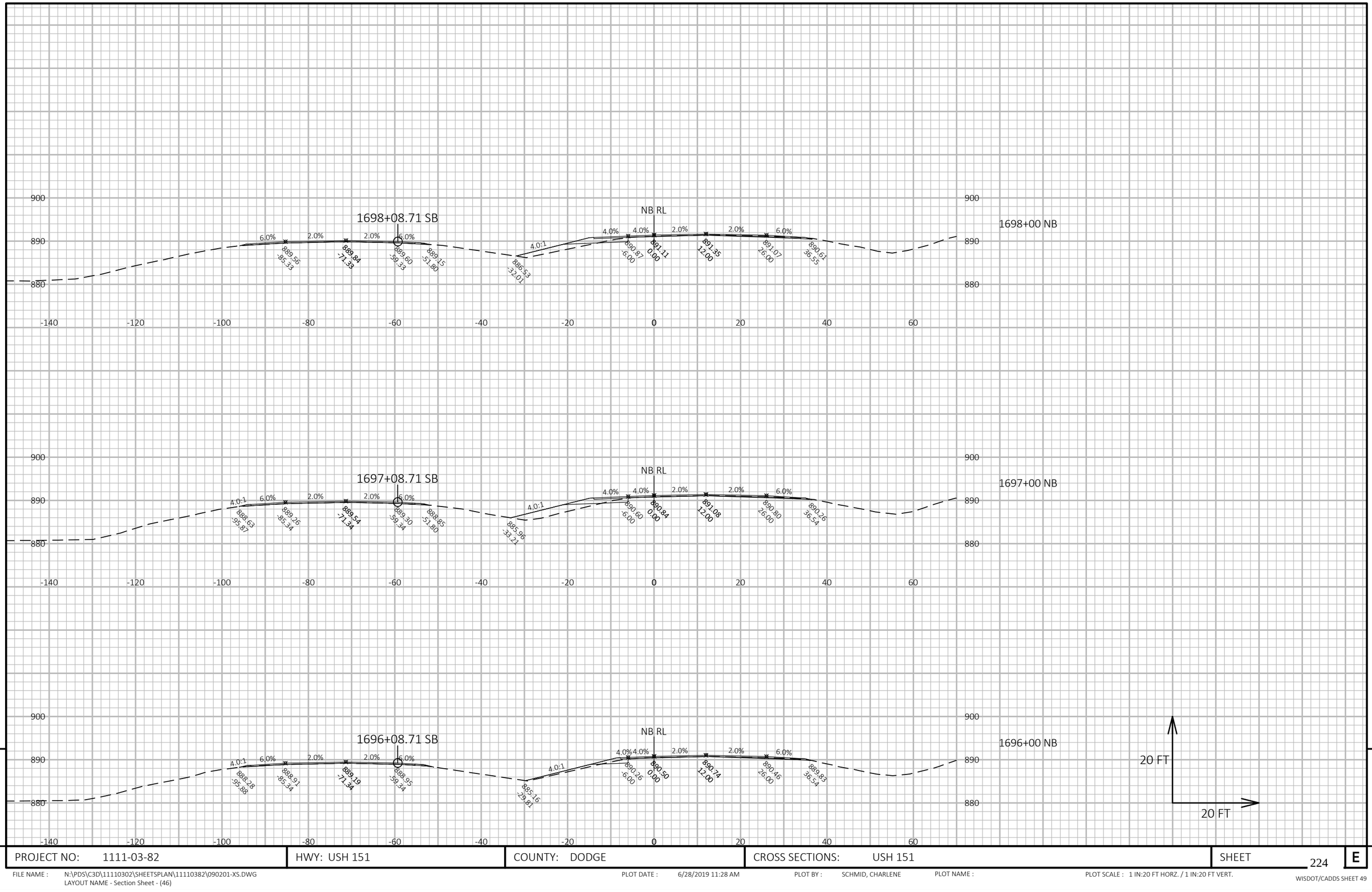
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PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 223	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (45)

PLOT DATE : 6/28/2019 11:28 AM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

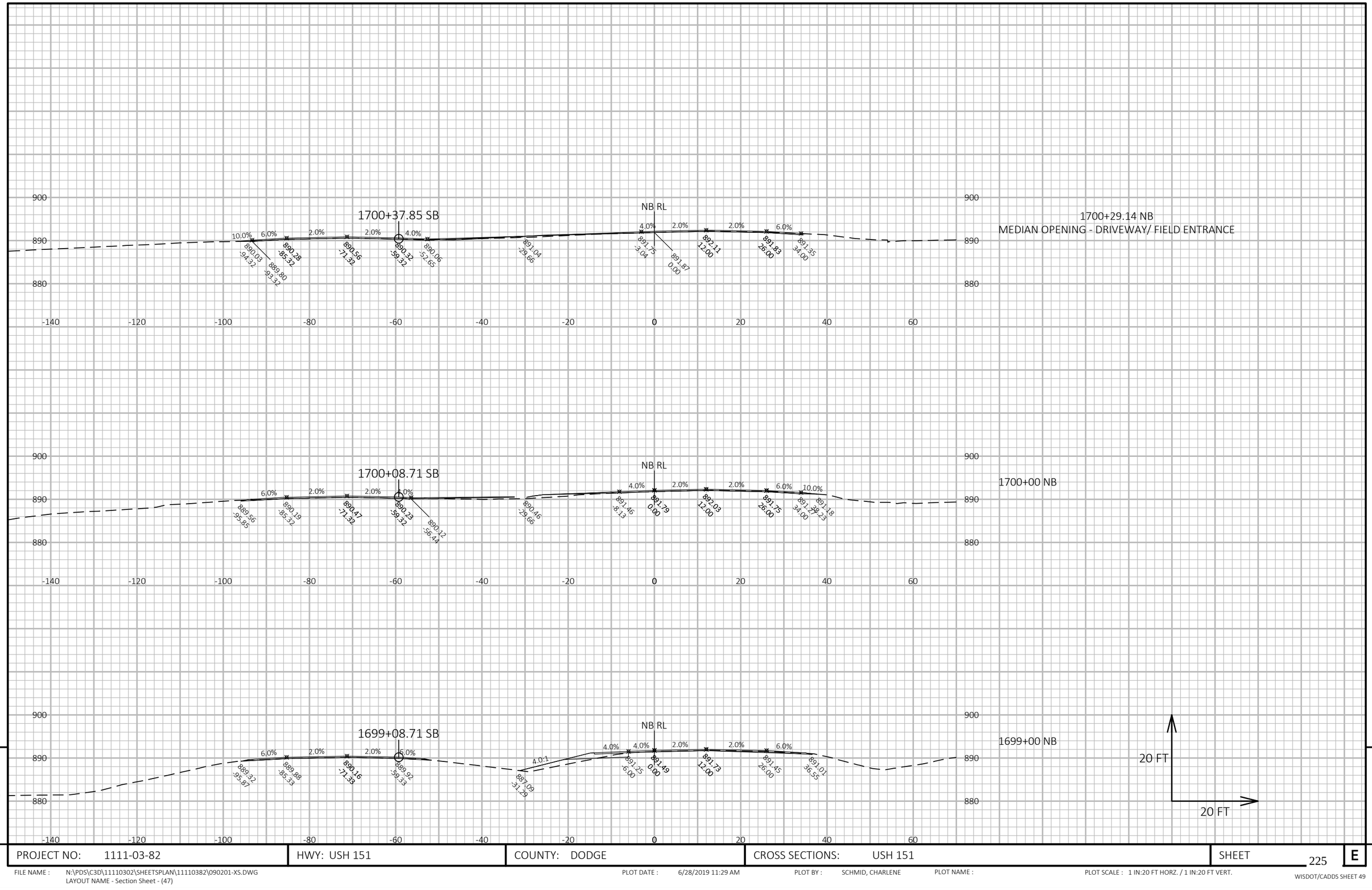
9

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 224	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (46)

PLOT DATE : 6/28/2019 11:28 AM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

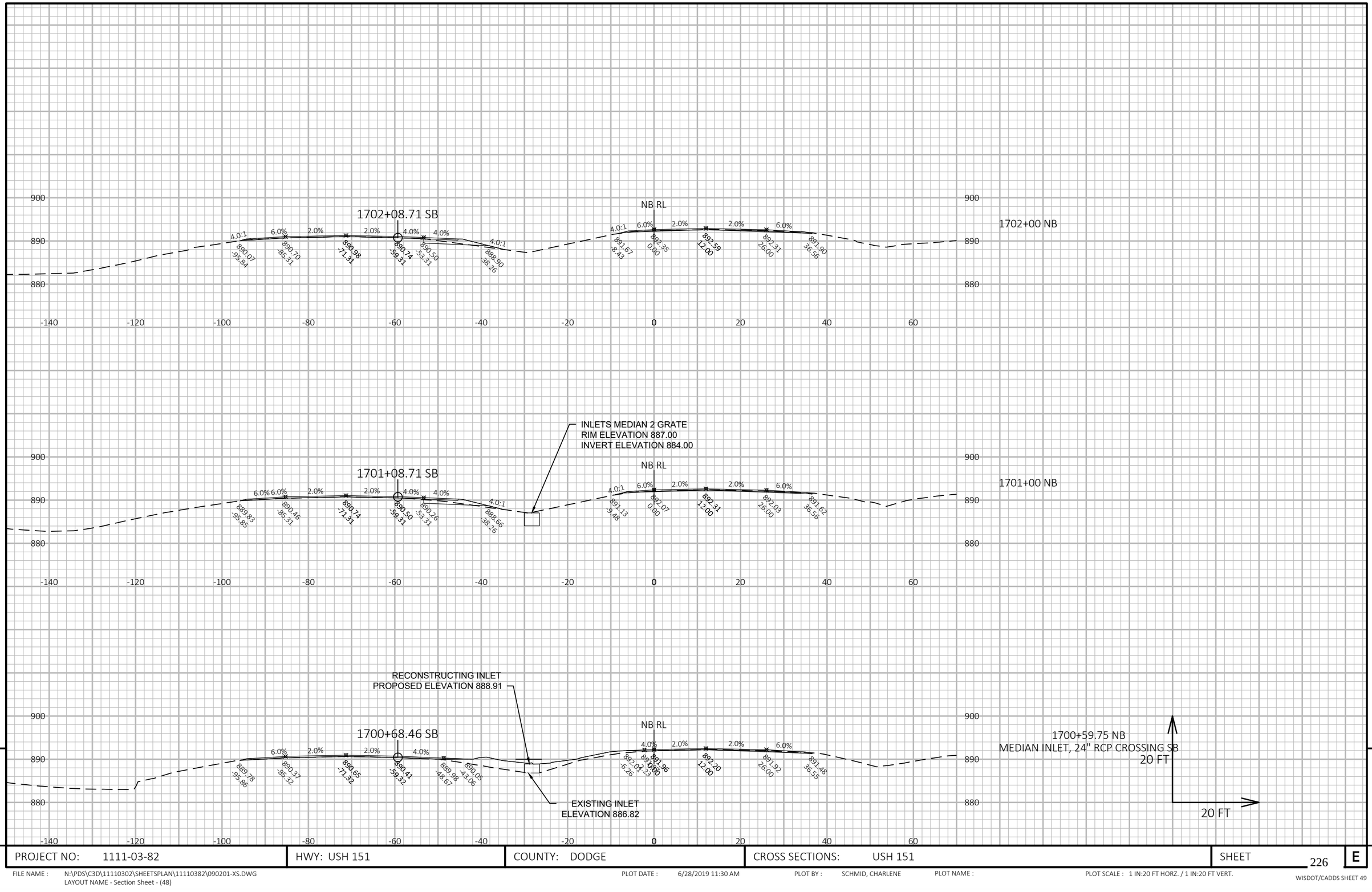


PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 225	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (47)

PLOT DATE : 6/28/2019 11:29 AM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

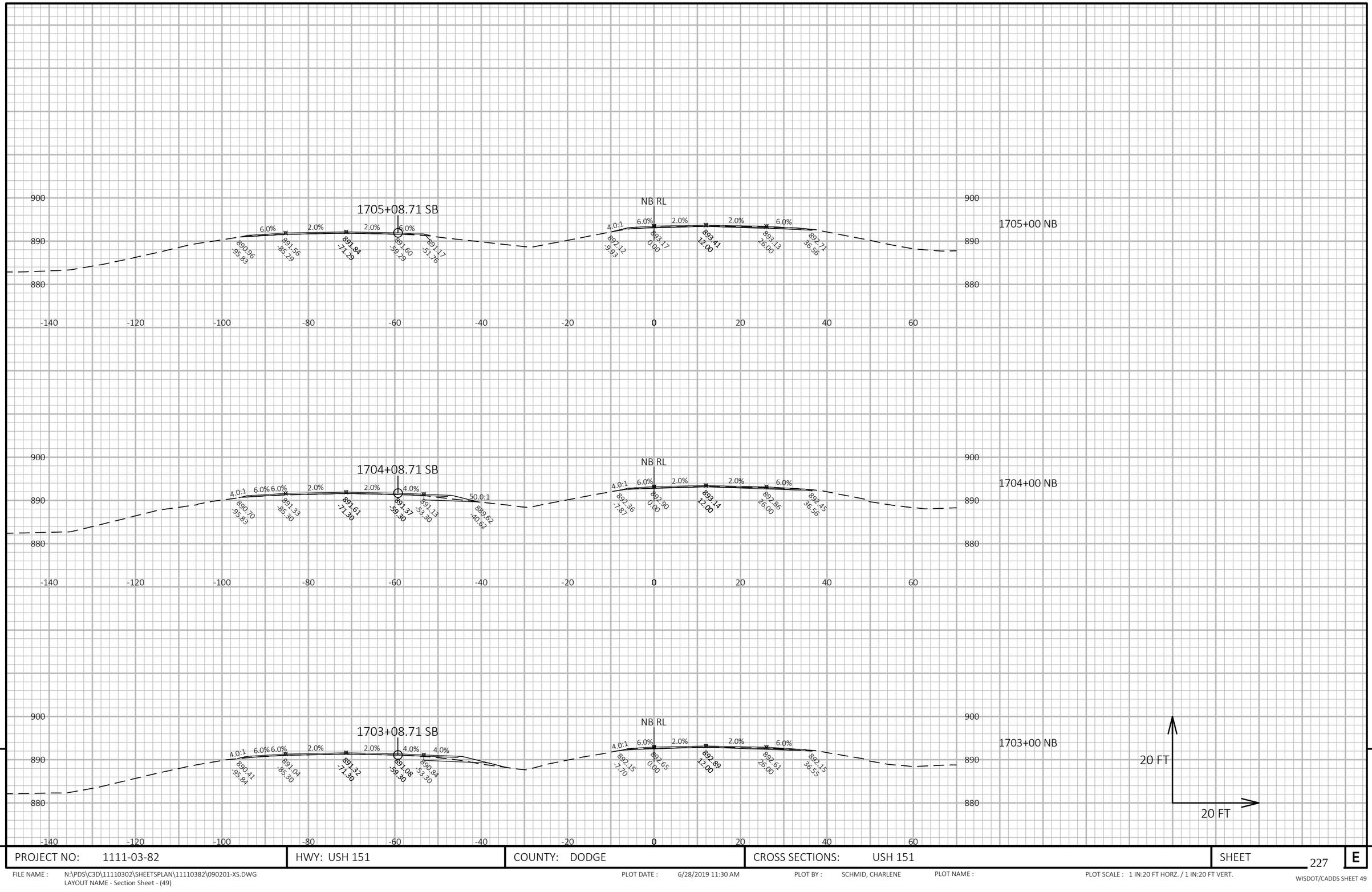
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PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 226	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (48)

PLOT DATE : 6/28/2019 11:30 AM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

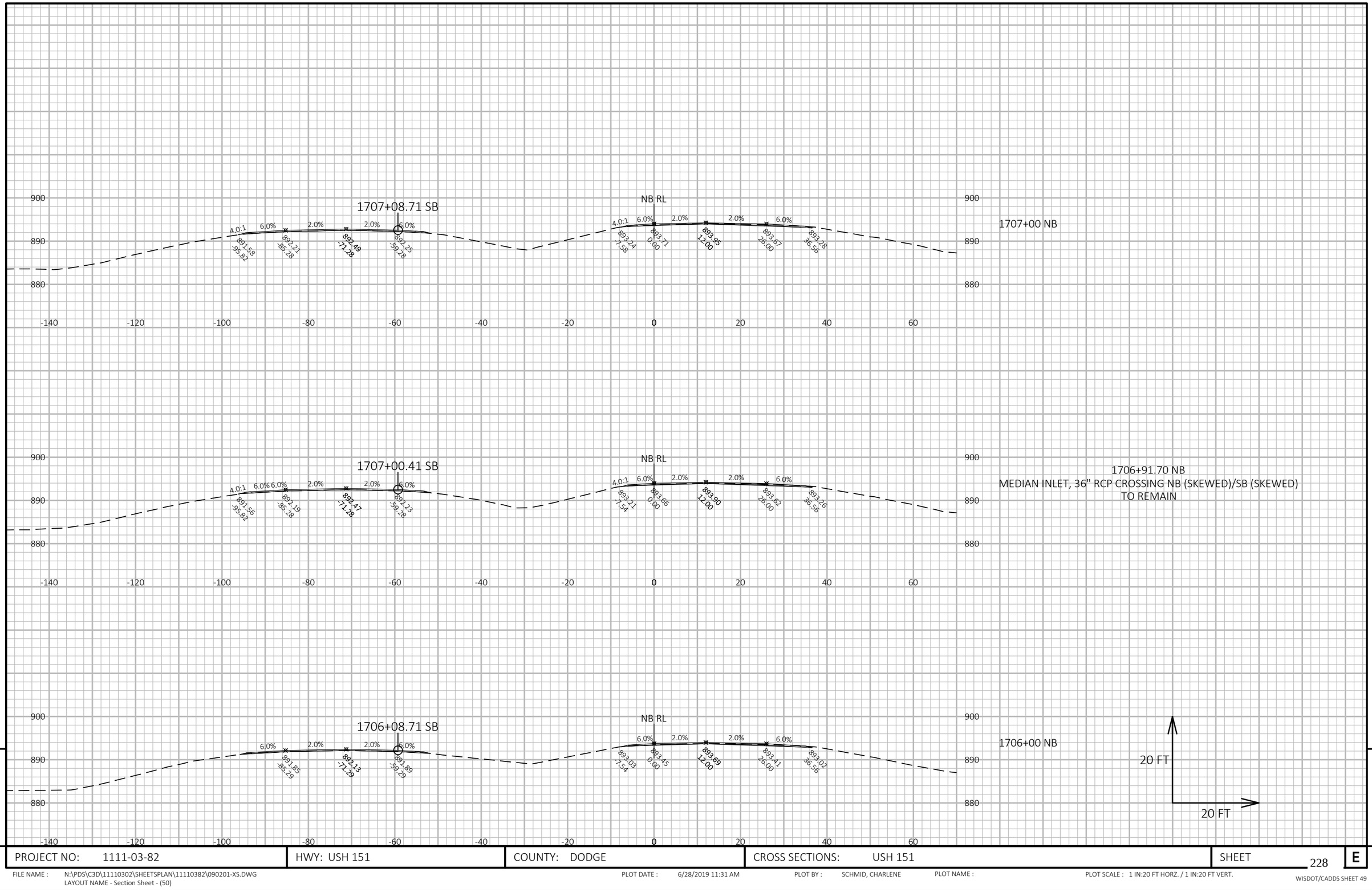
9

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 227	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (49)

PLOT DATE : 6/28/2019 11:30 AM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

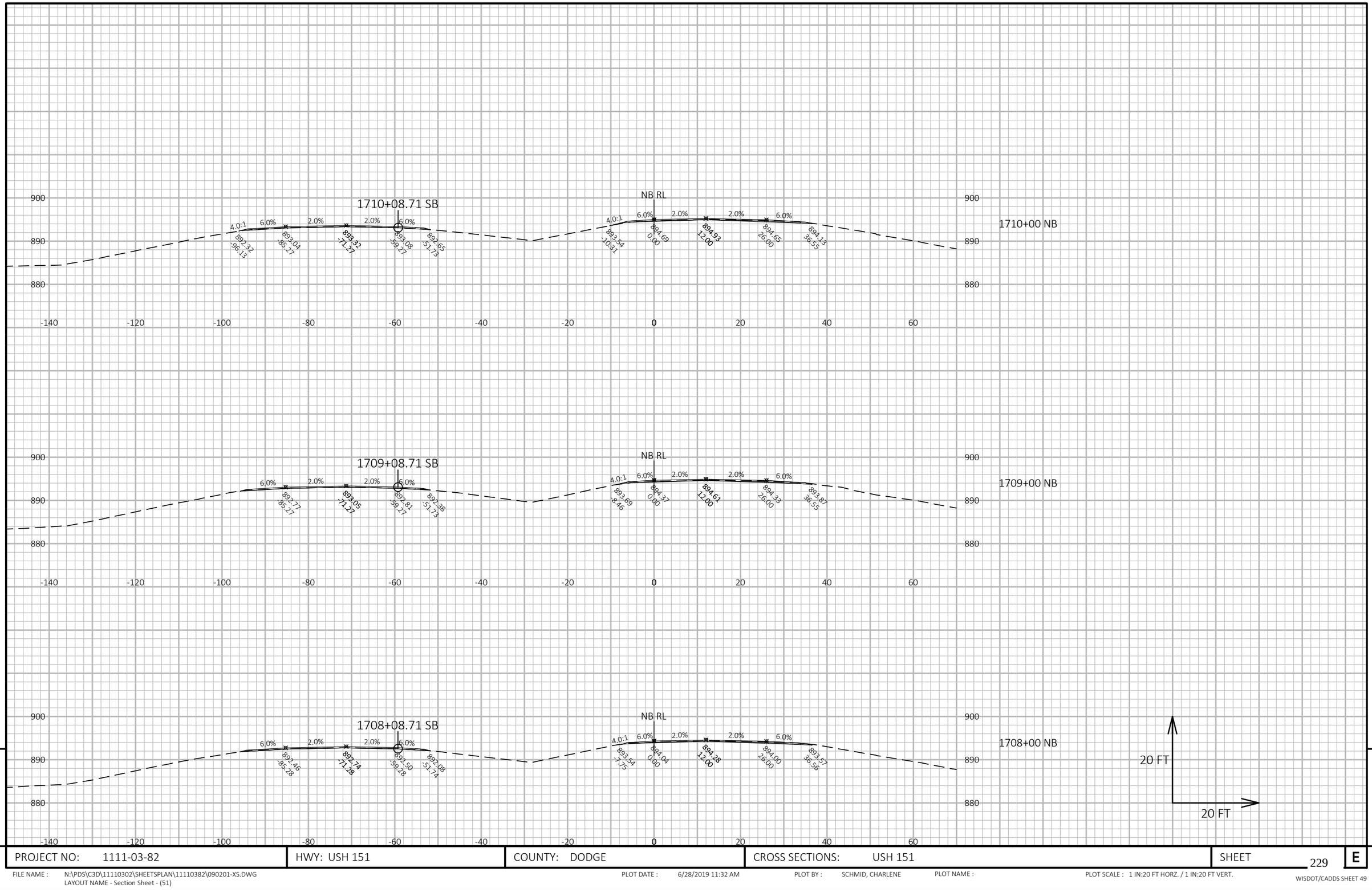


PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 228	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (50)

PLOT DATE : 6/28/2019 11:31 AM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

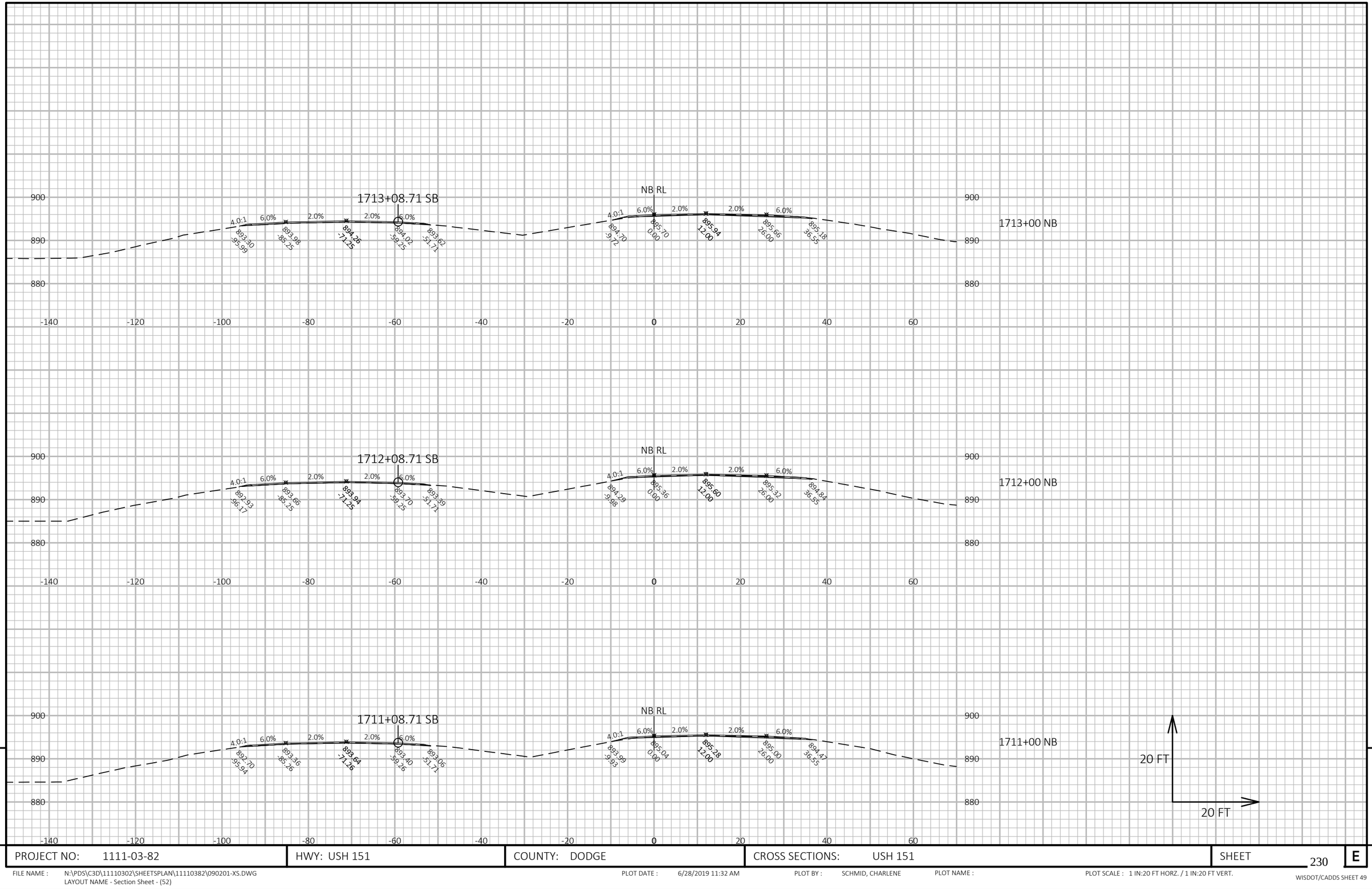


PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 229	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (51)

PLOT DATE : 6/28/2019 11:32 AM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



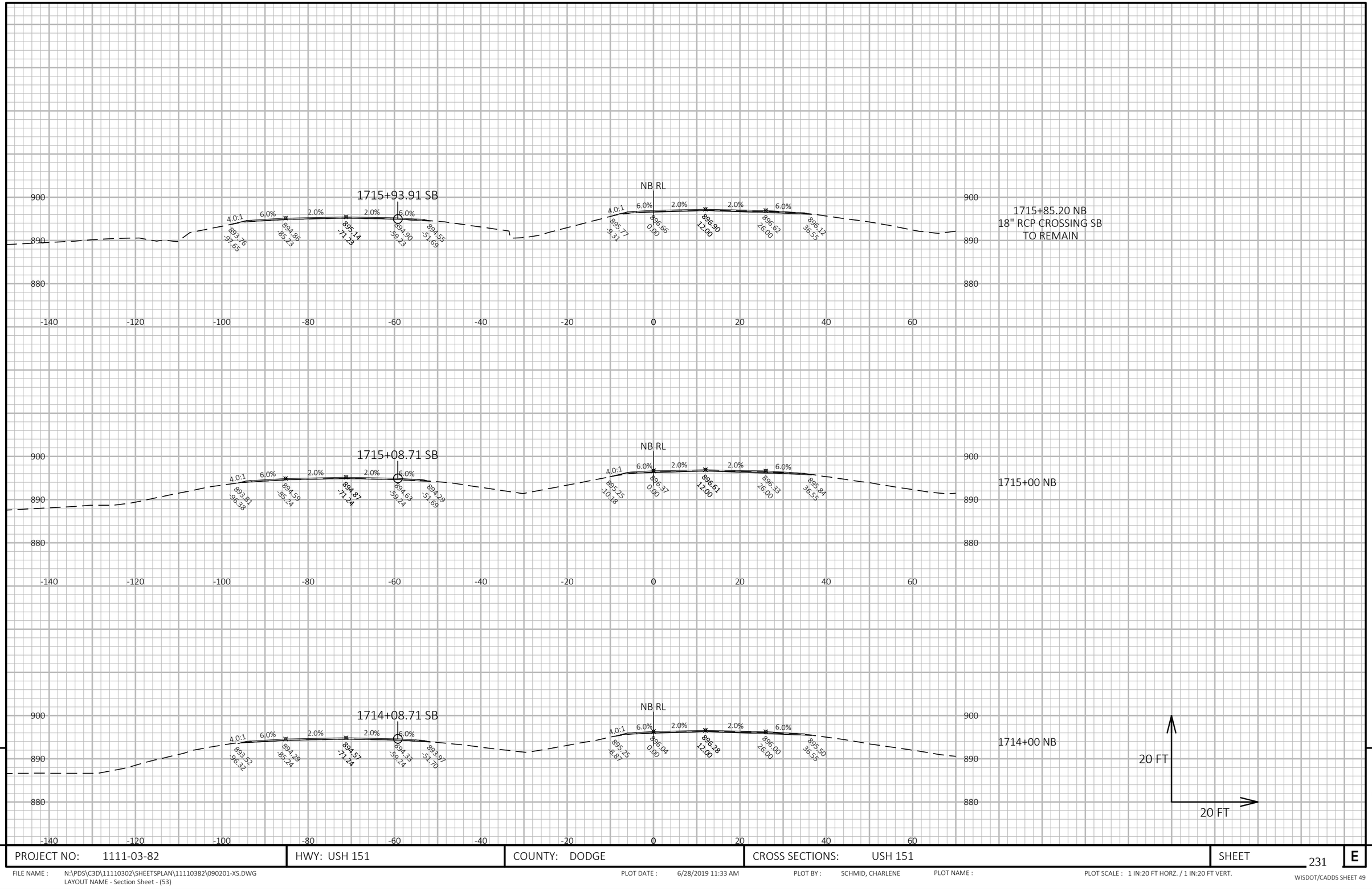
9

9

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 230	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (52)

PLOT DATE : 6/28/2019 11:32 AM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



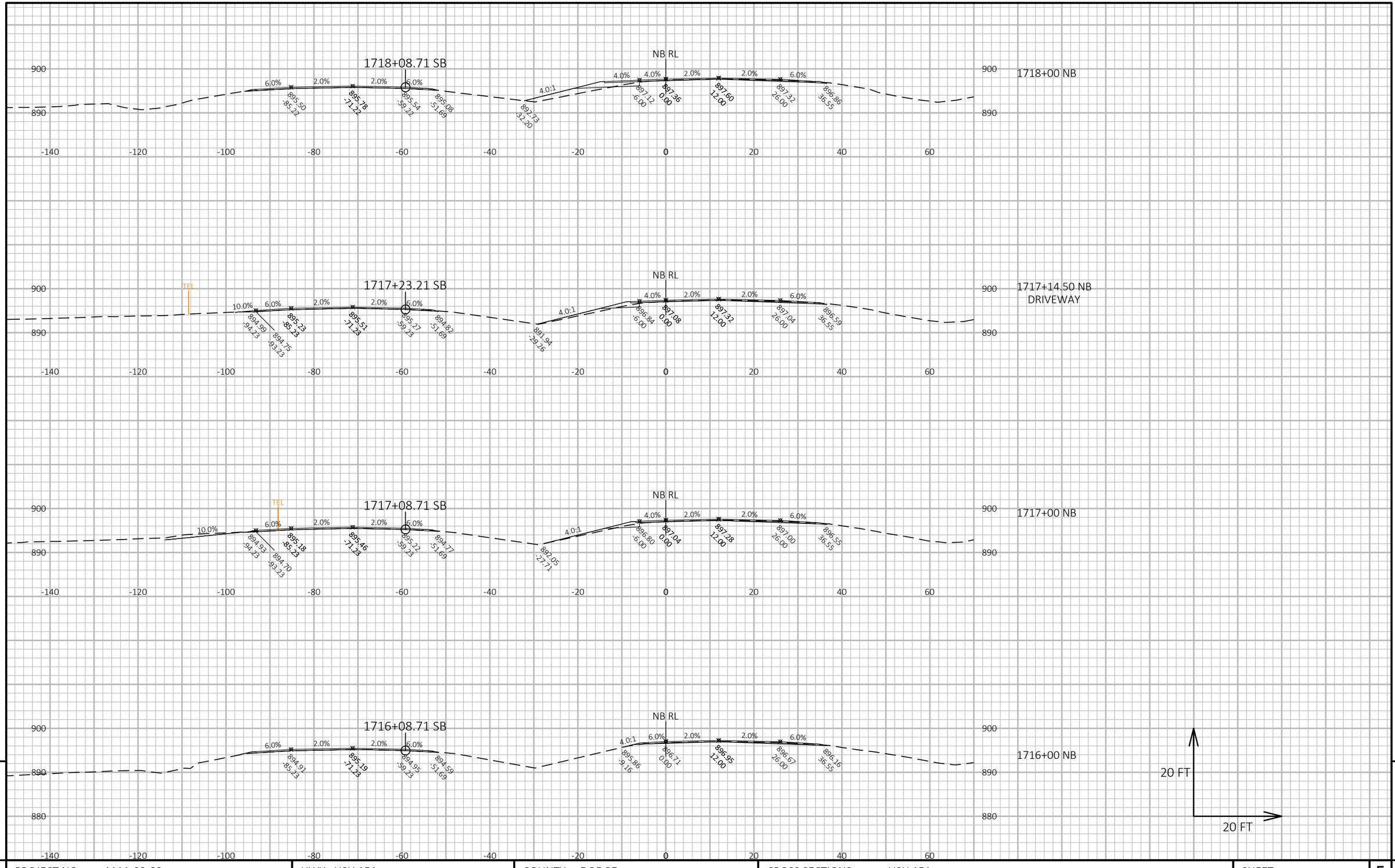
9

9

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 231	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (53)

PLOT DATE : 6/28/2019 11:33 AM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

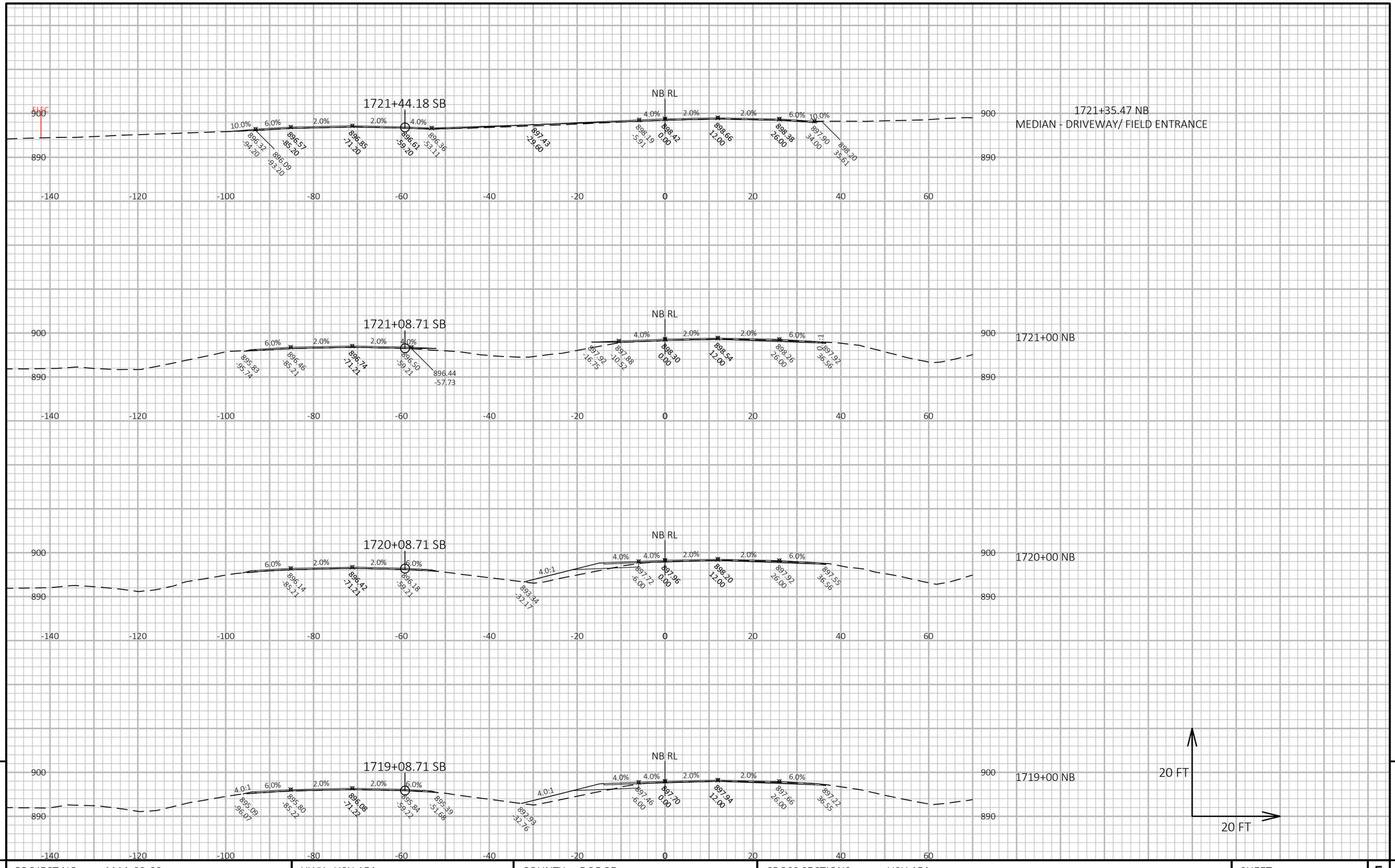
9

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 232	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (54)

PLOT DATE : 6/28/2019 11:34 AM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

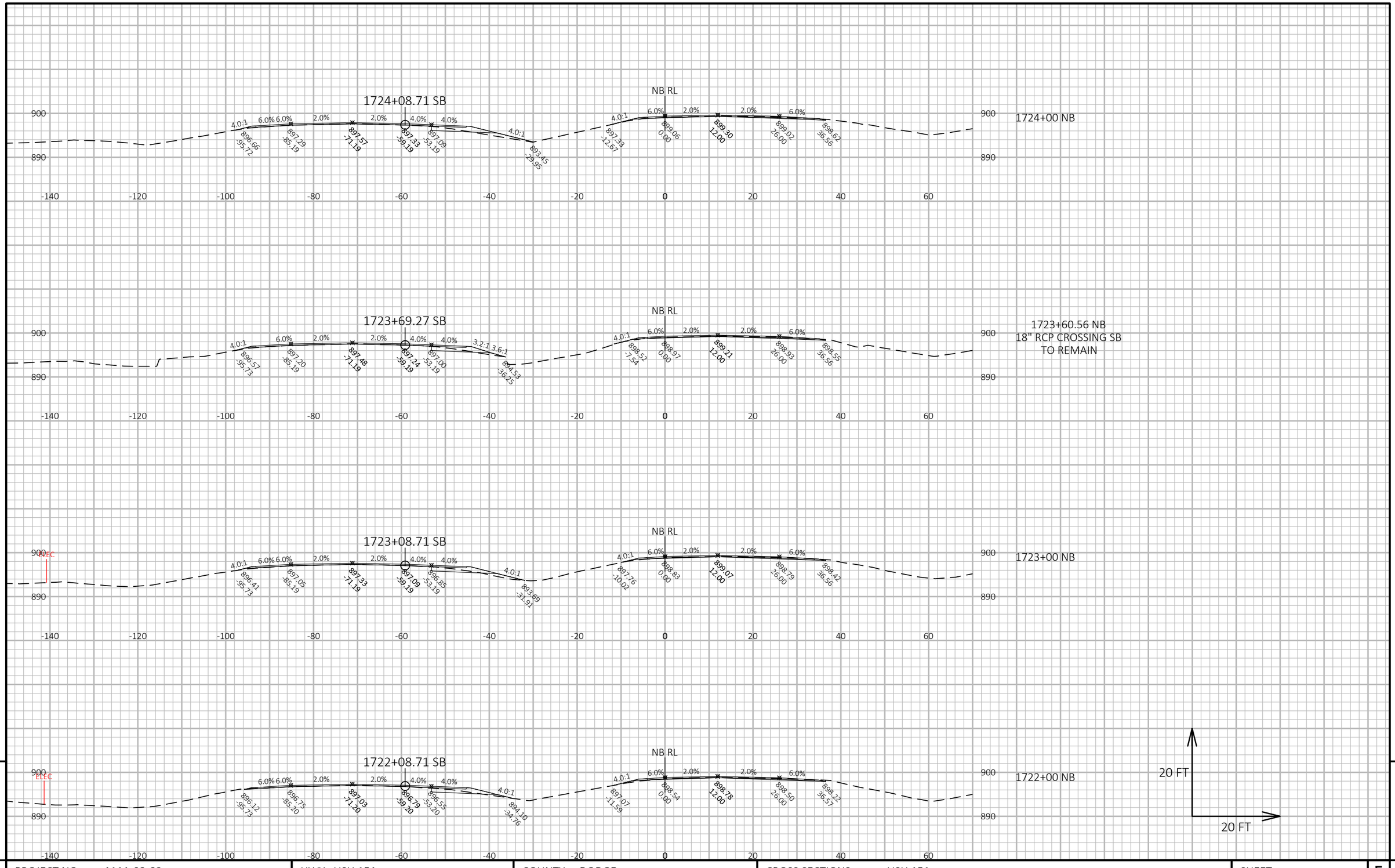


PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 233	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (55)

PLOT DATE : 6/28/2019 11:34 AM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

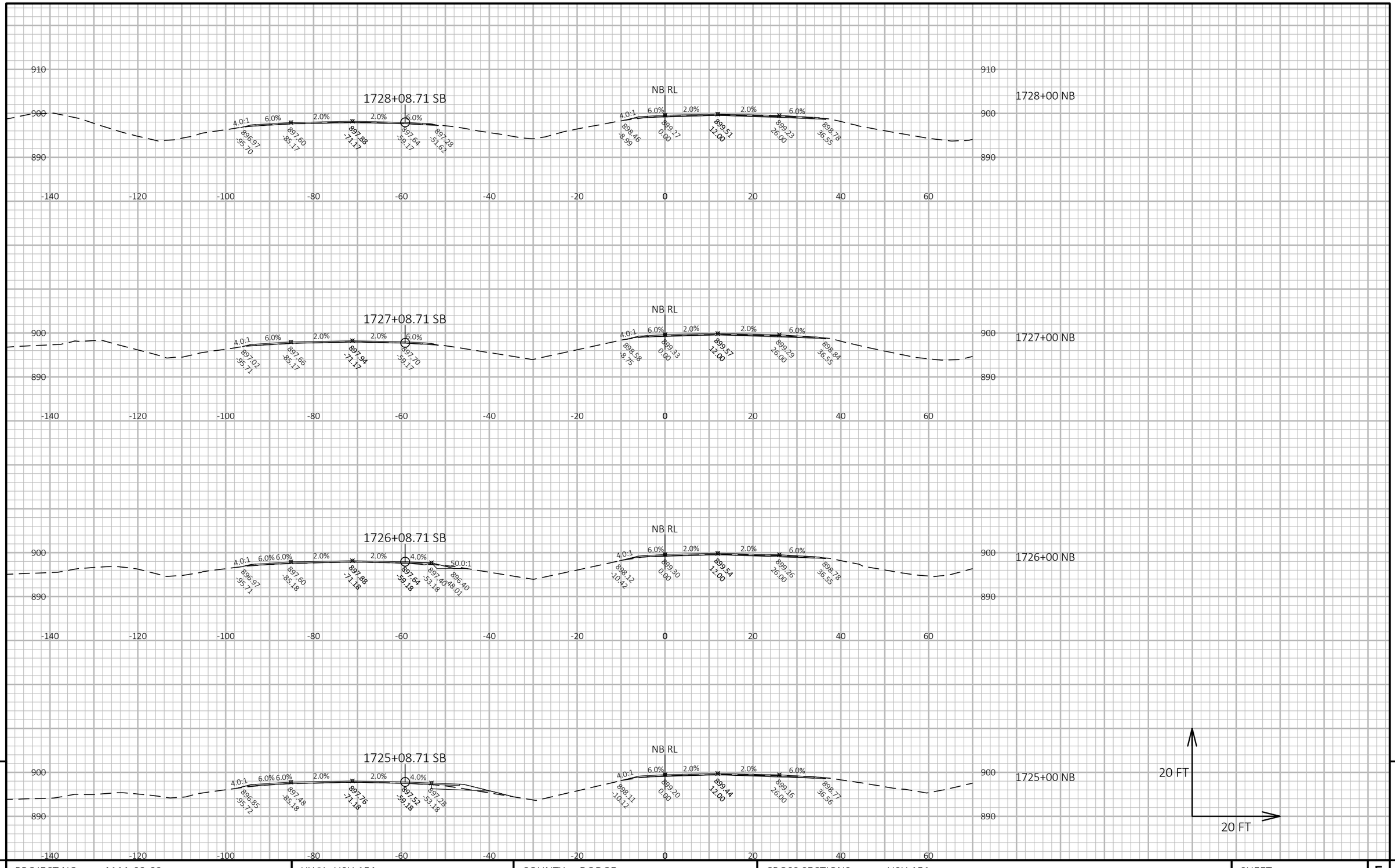
9

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 234	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (56)

PLOT DATE : 6/28/2019 11:35 AM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

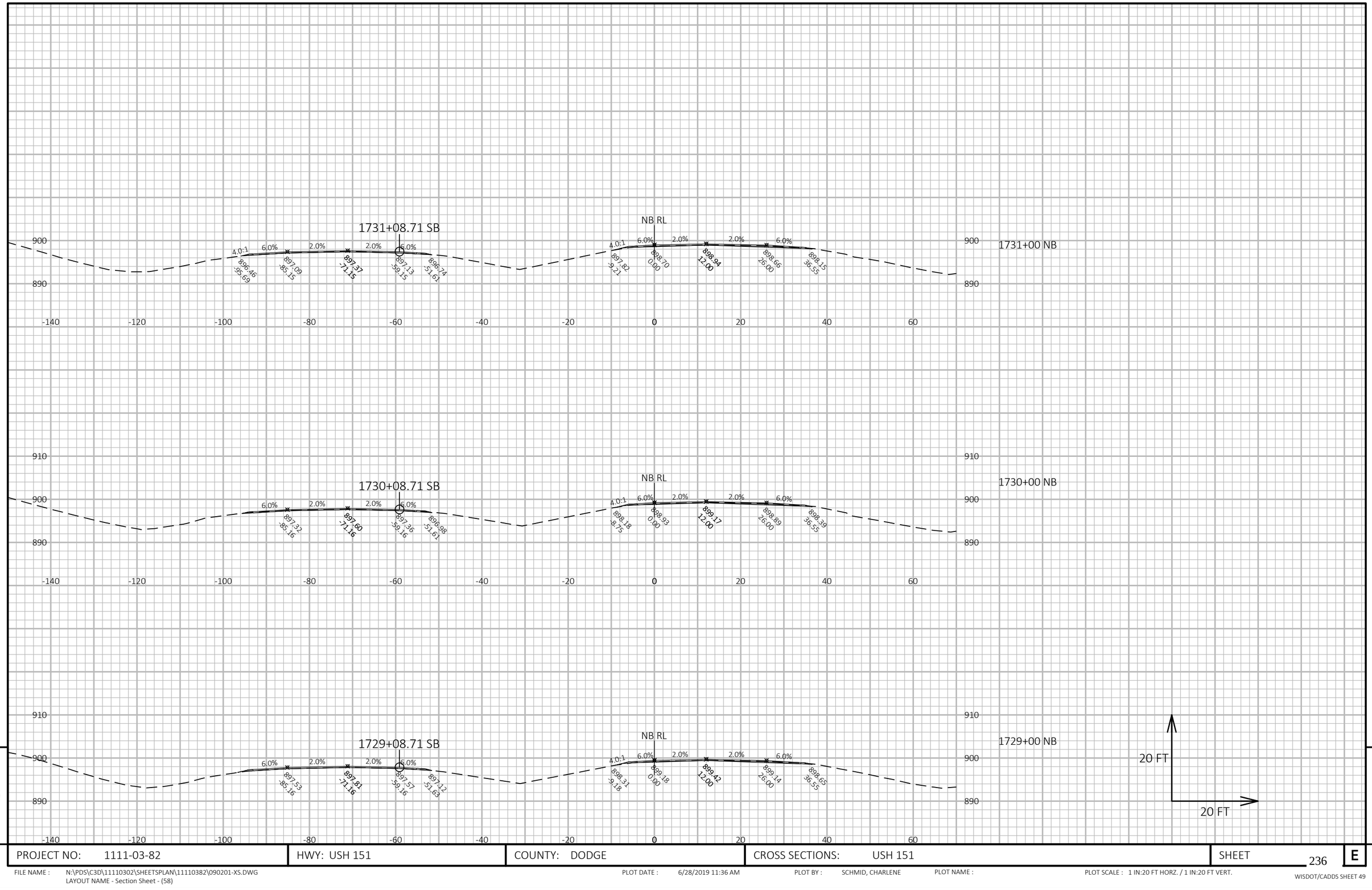
9

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 235	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (57)

PLOT DATE : 6/28/2019 11:36 AM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

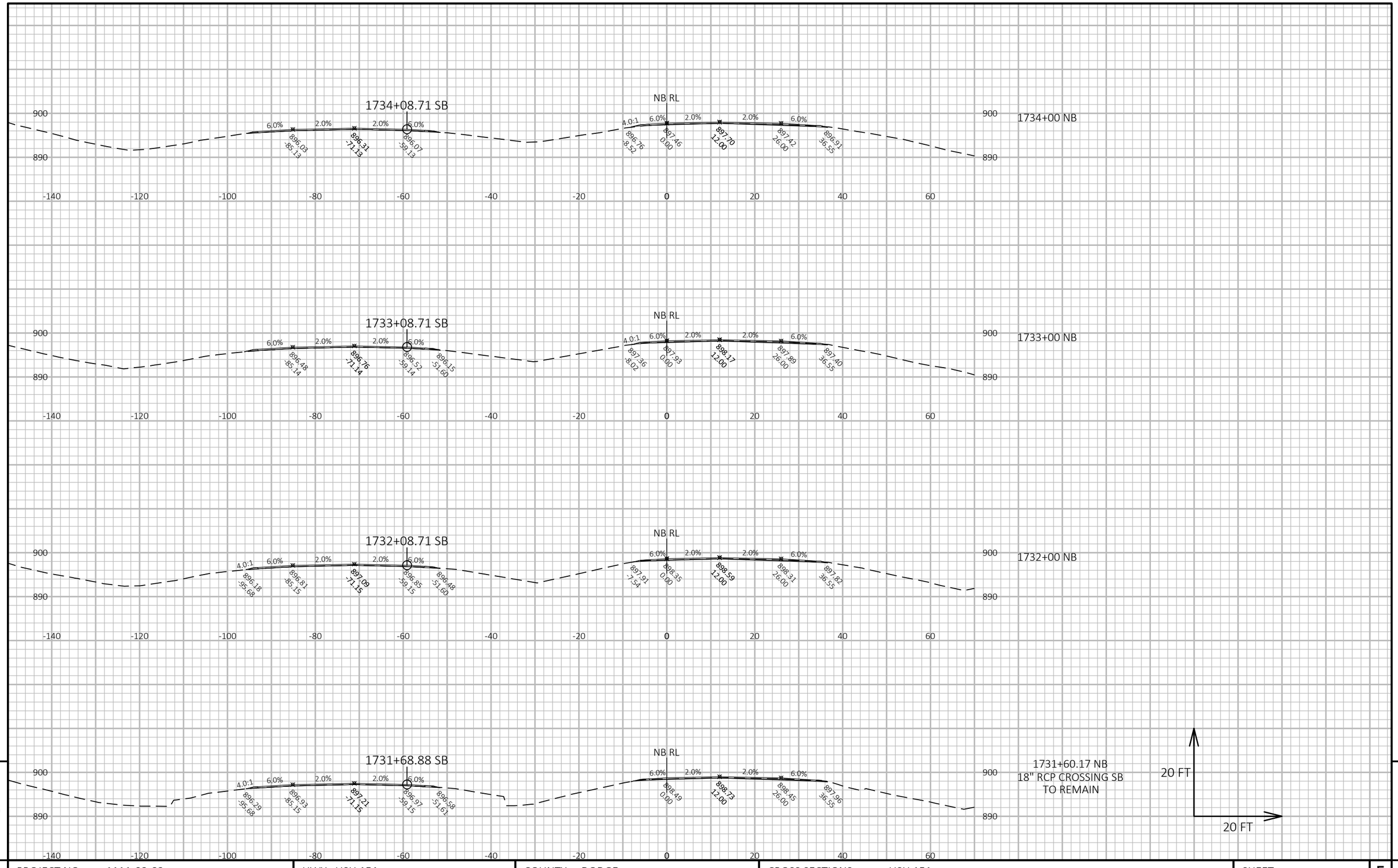


PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 236	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (58)

PLOT DATE : 6/28/2019 11:36 AM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

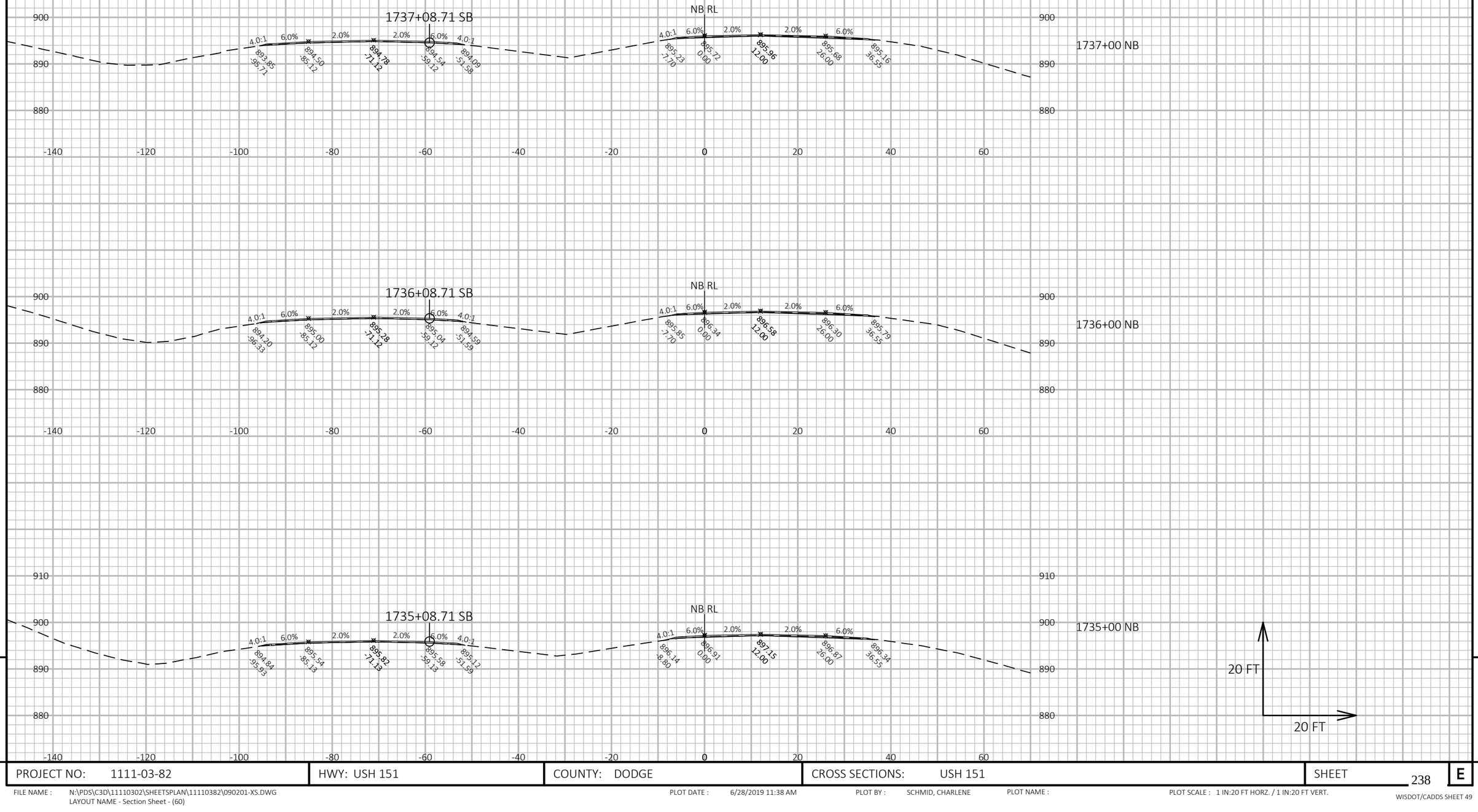
9

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 237	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (59)

PLOT DATE : 6/28/2019 11:37 AM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



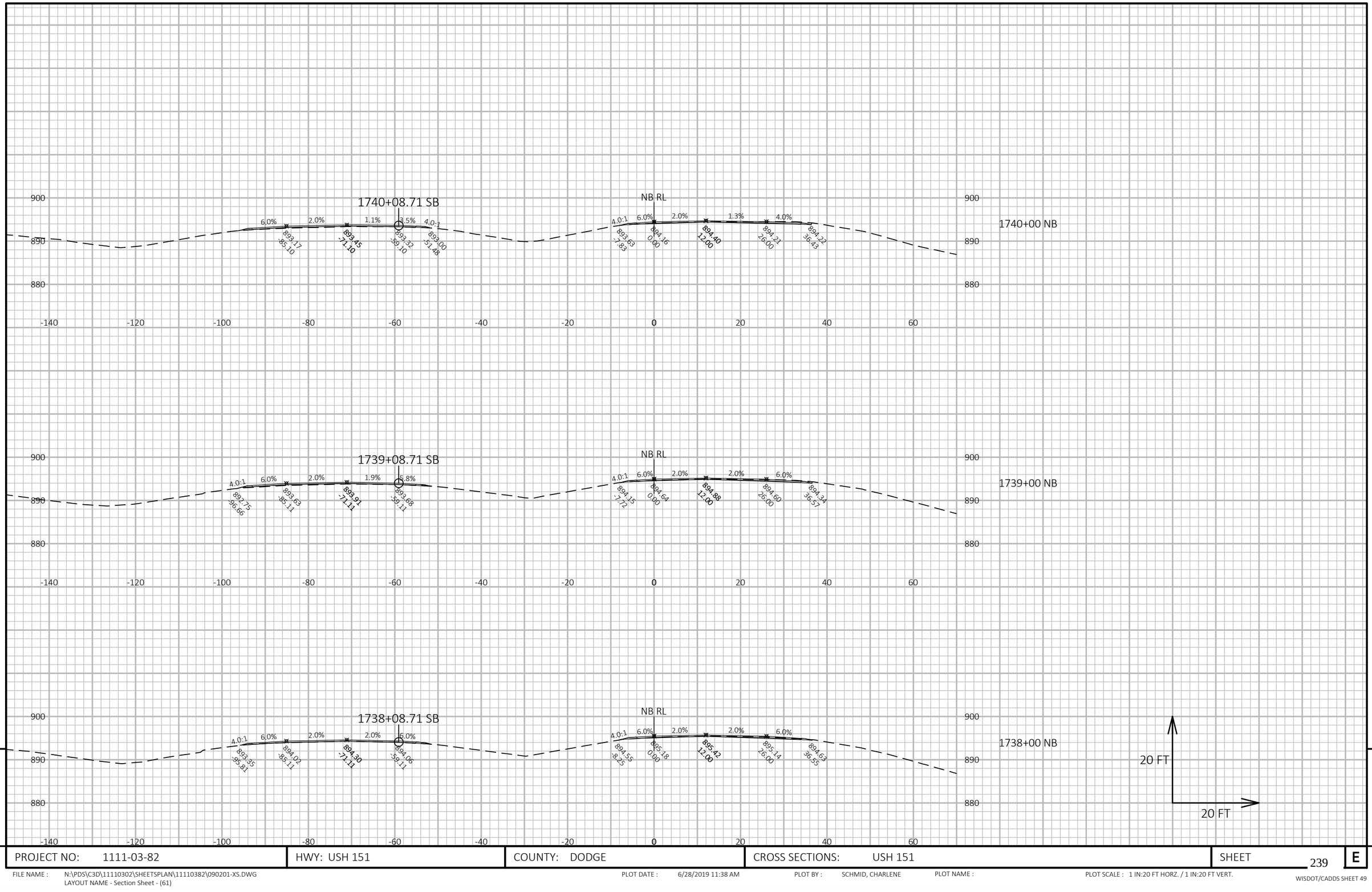
9

9

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 238	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (60)

PLOT DATE : 6/28/2019 11:38 AM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

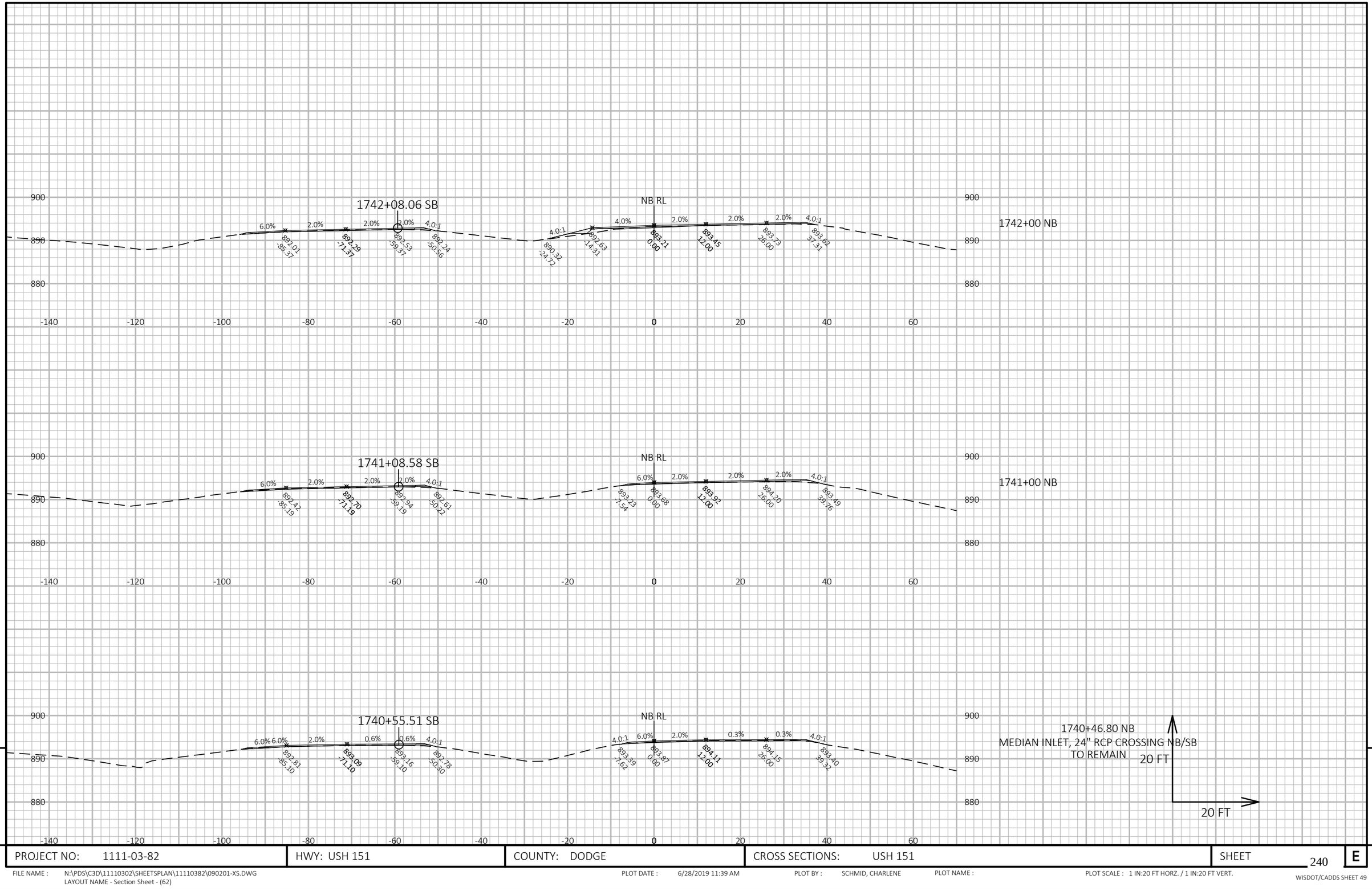


PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 239	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (61)

PLOT DATE : 6/28/2019 11:38 AM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



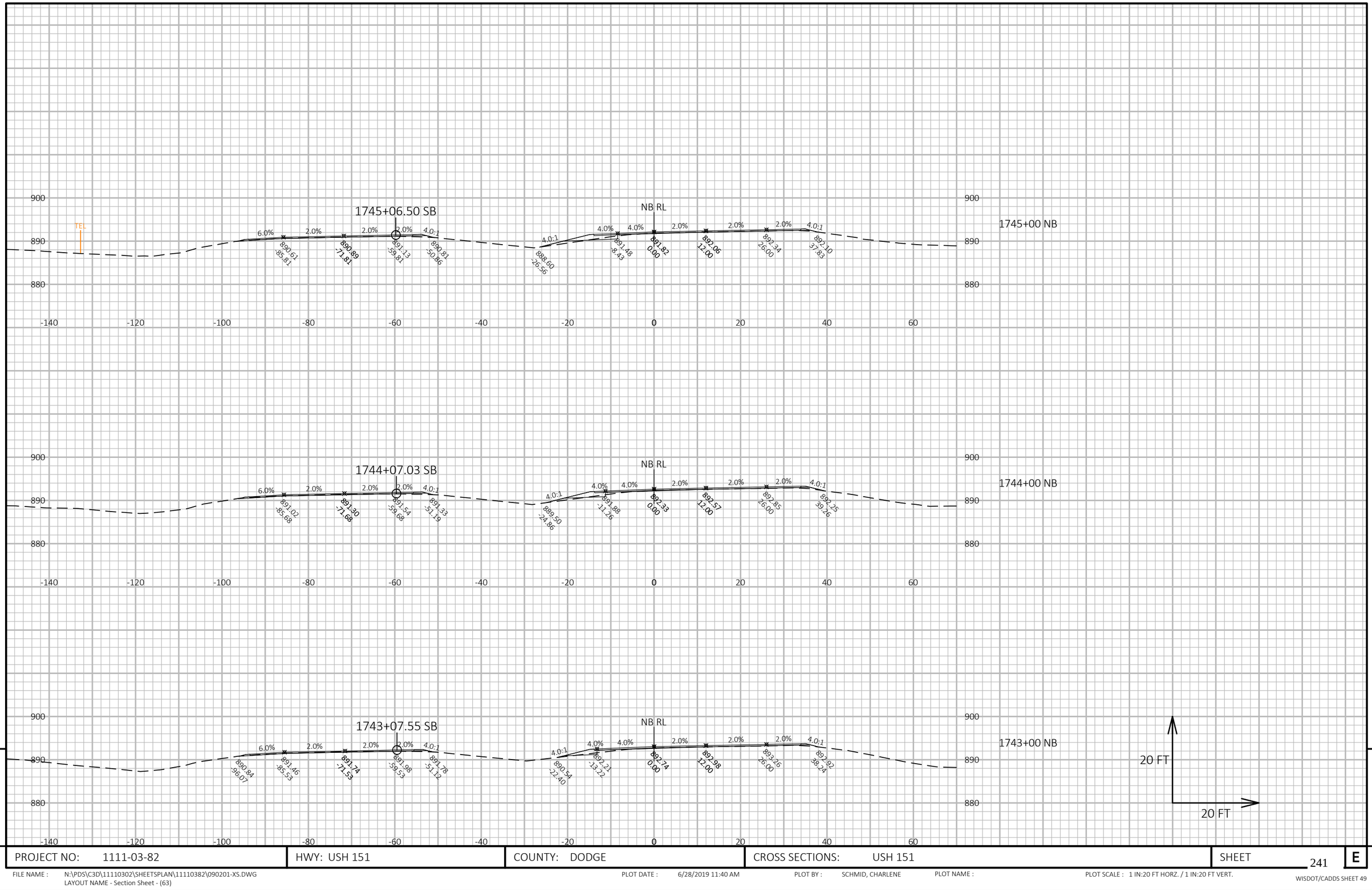
9

9

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 240	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (62)

PLOT DATE : 6/28/2019 11:39 AM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



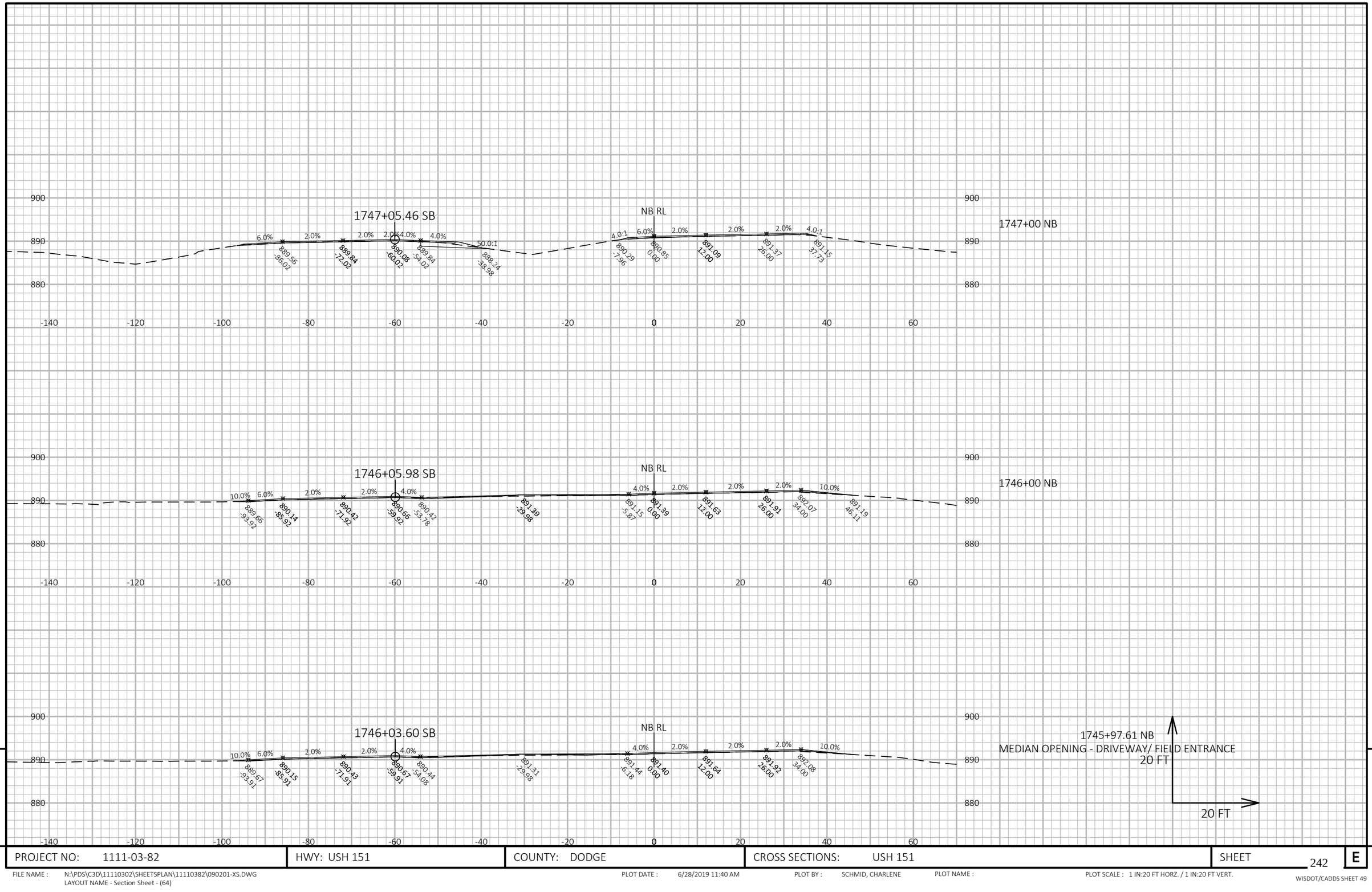
9

9

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 241	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (63)

PLOT DATE : 6/28/2019 11:40 AM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

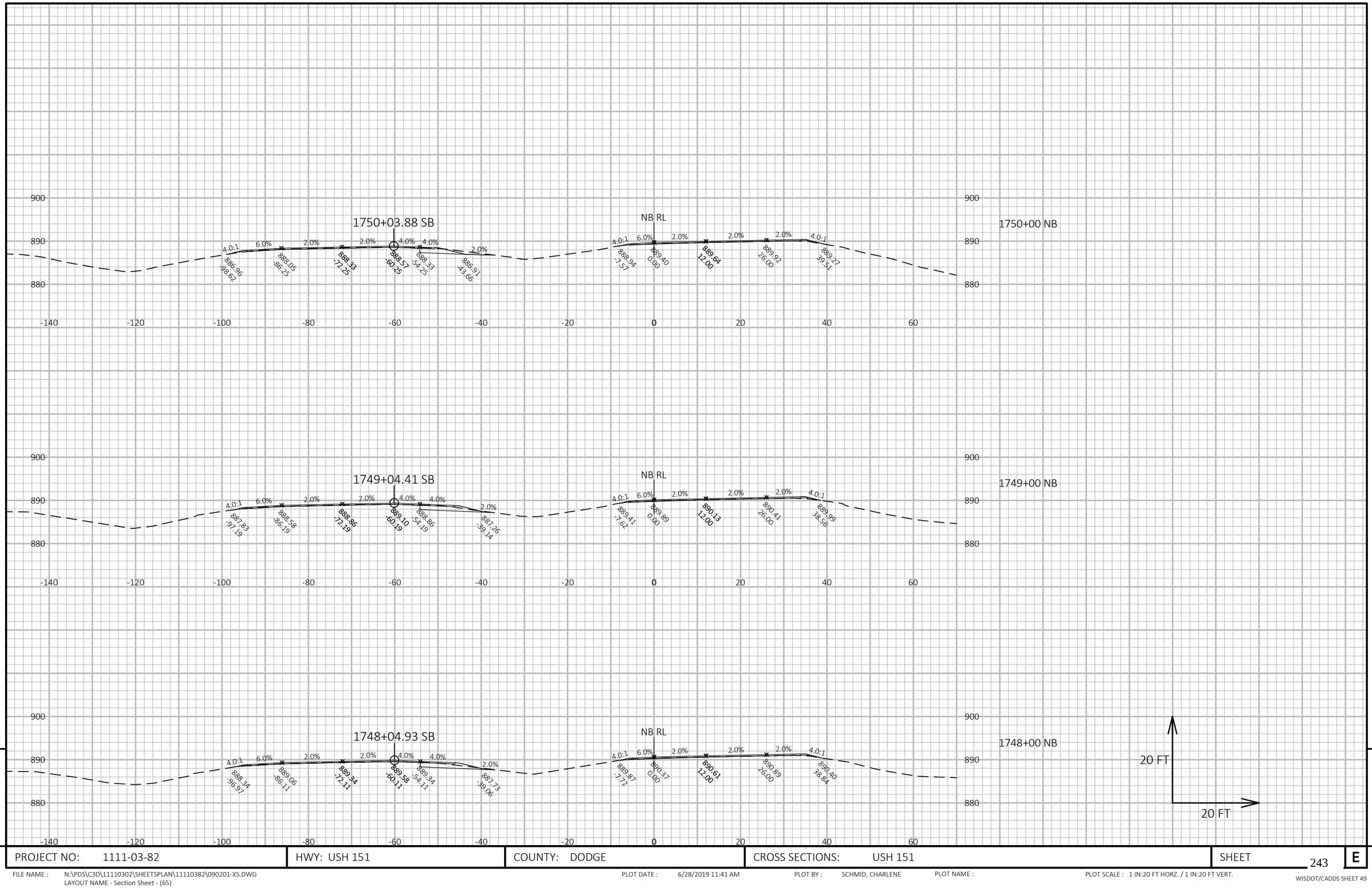
9

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 242	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (64)

PLOT DATE : 6/28/2019 11:40 AM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

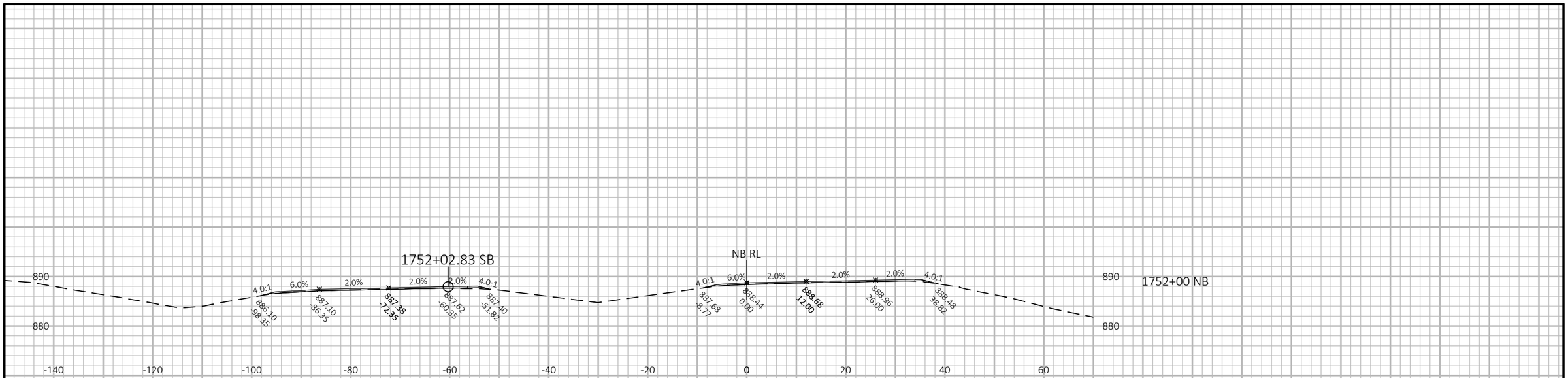


PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 243	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (65)

PLOT DATE : 6/28/2019 11:41 AM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

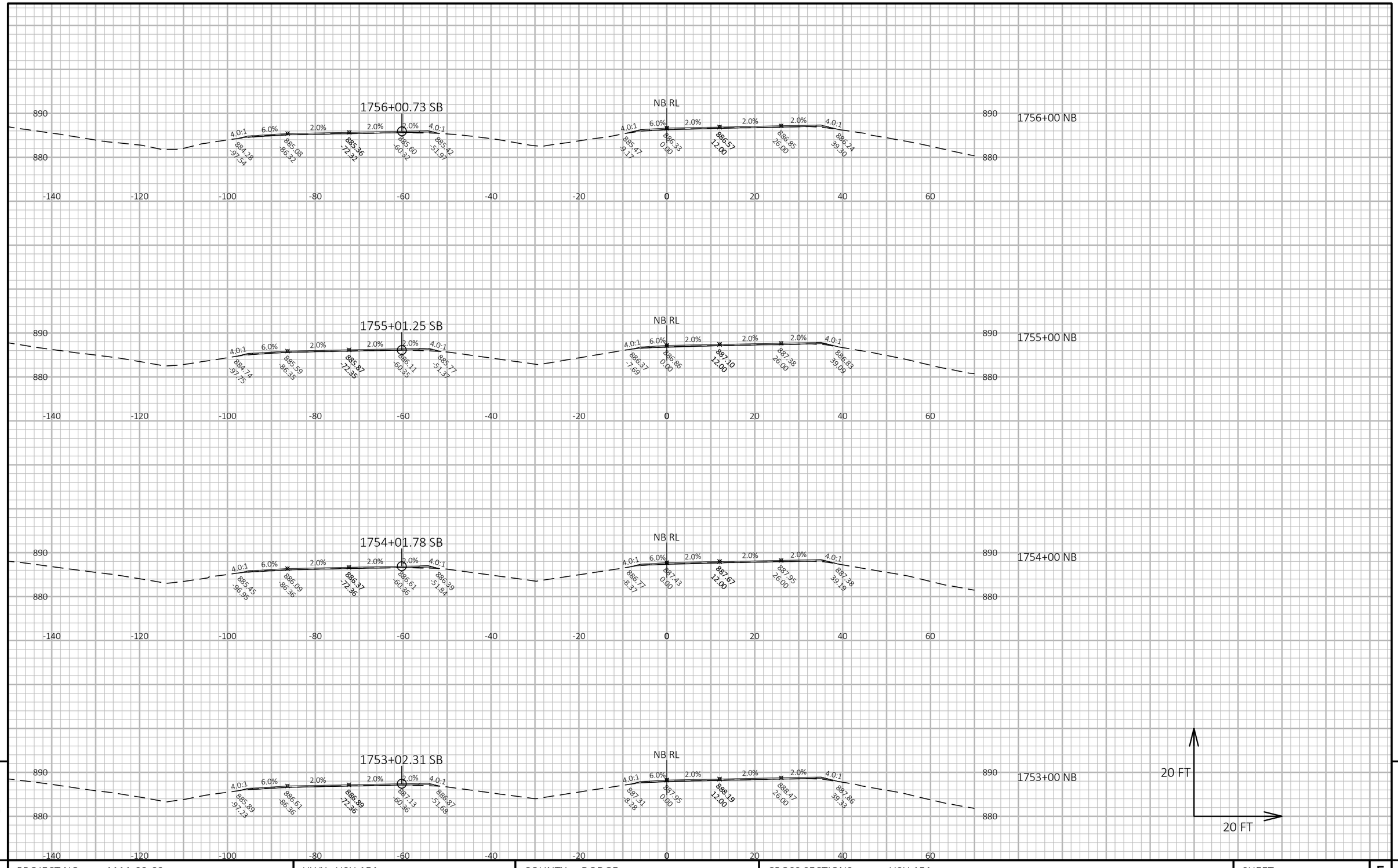


9

9

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 244	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (66)
PLOT DATE : 6/28/2019 11:42 AM
PLOT BY : SCHMID, CHARLENE
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49



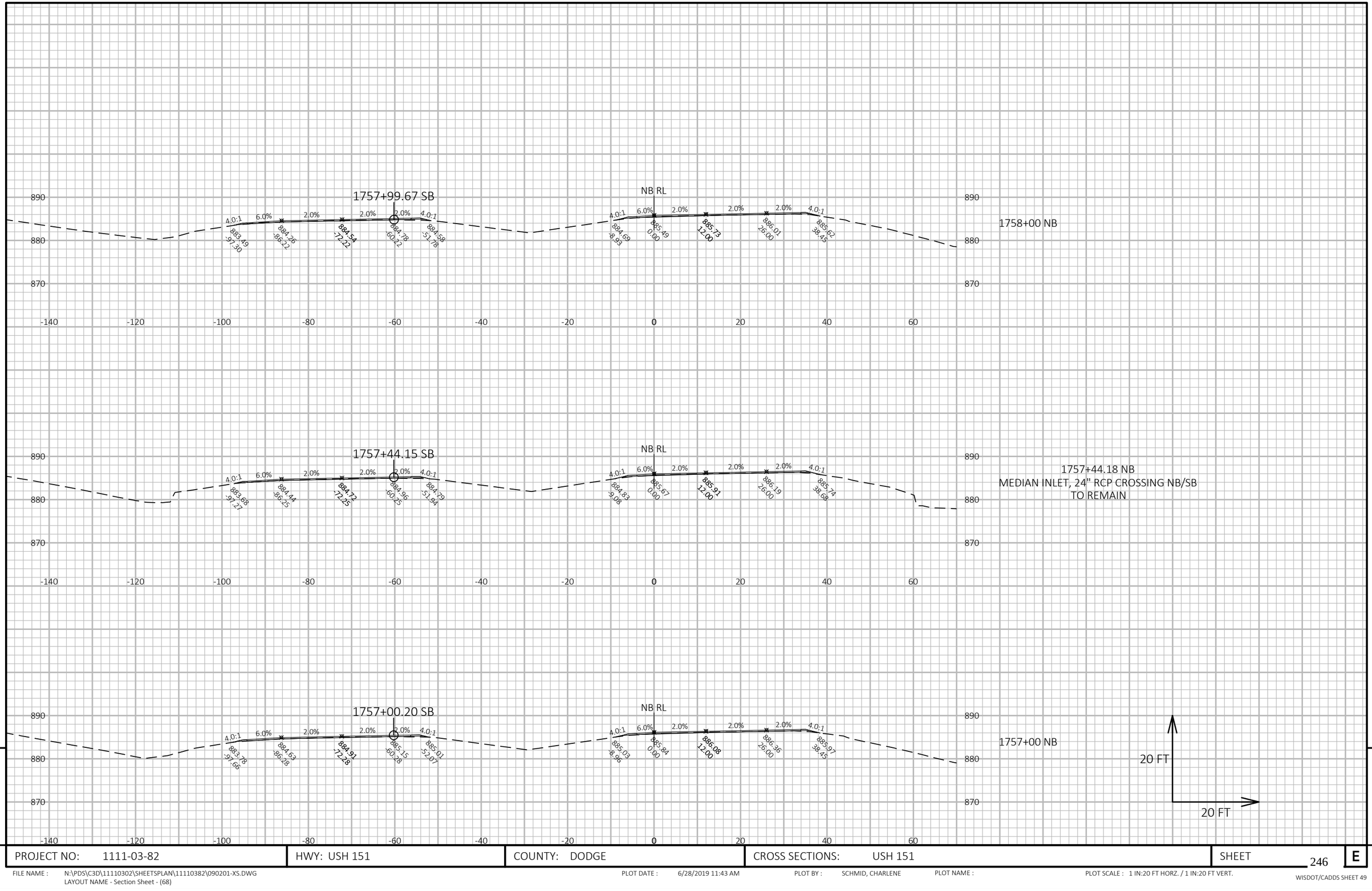
9

9

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 245	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (67)

PLOT DATE : 6/28/2019 11:42 AM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

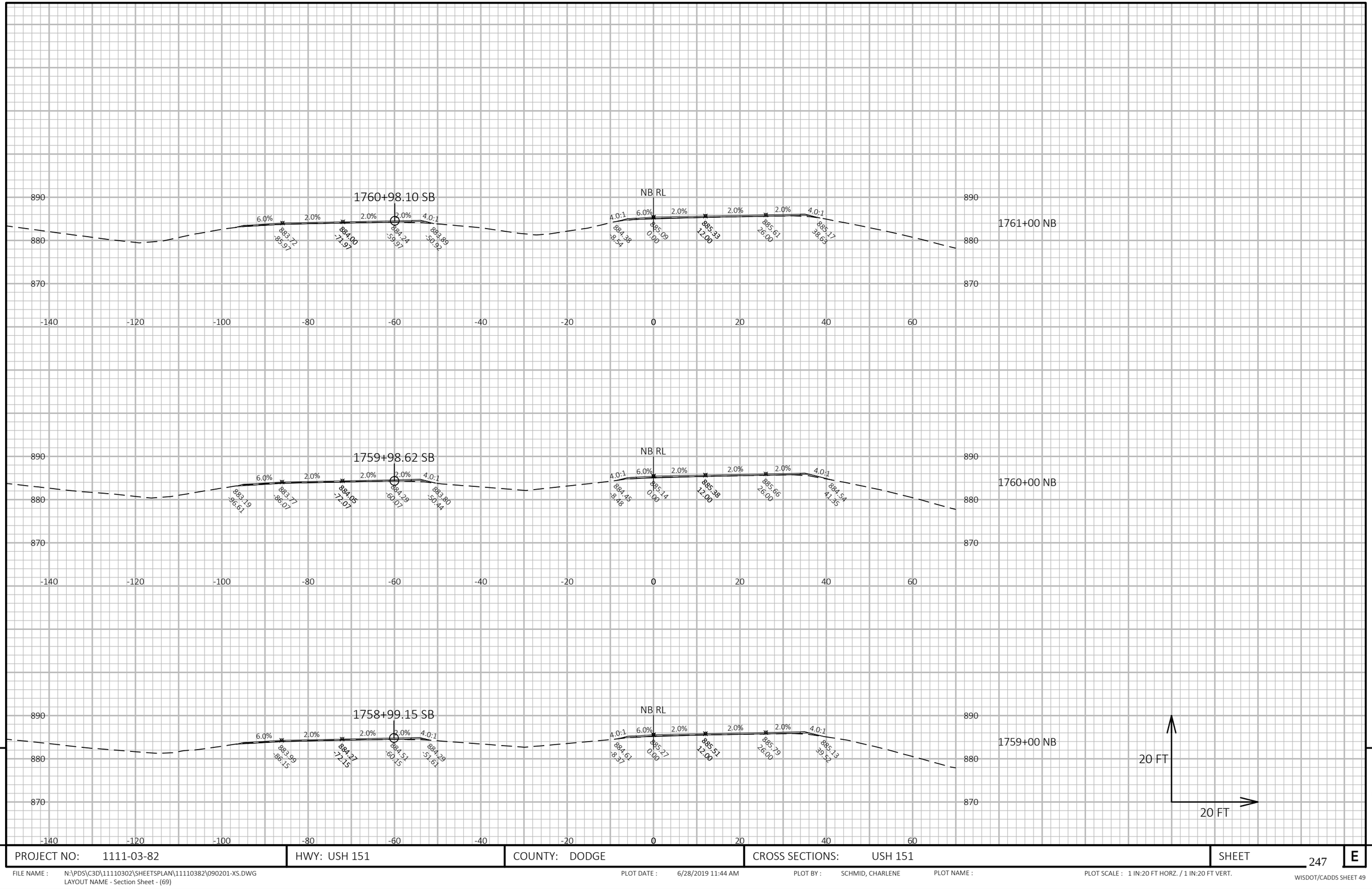


9

9

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 246	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (68)
PLOT DATE : 6/28/2019 11:43 AM
PLOT BY : SCHMID, CHARLENE
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49

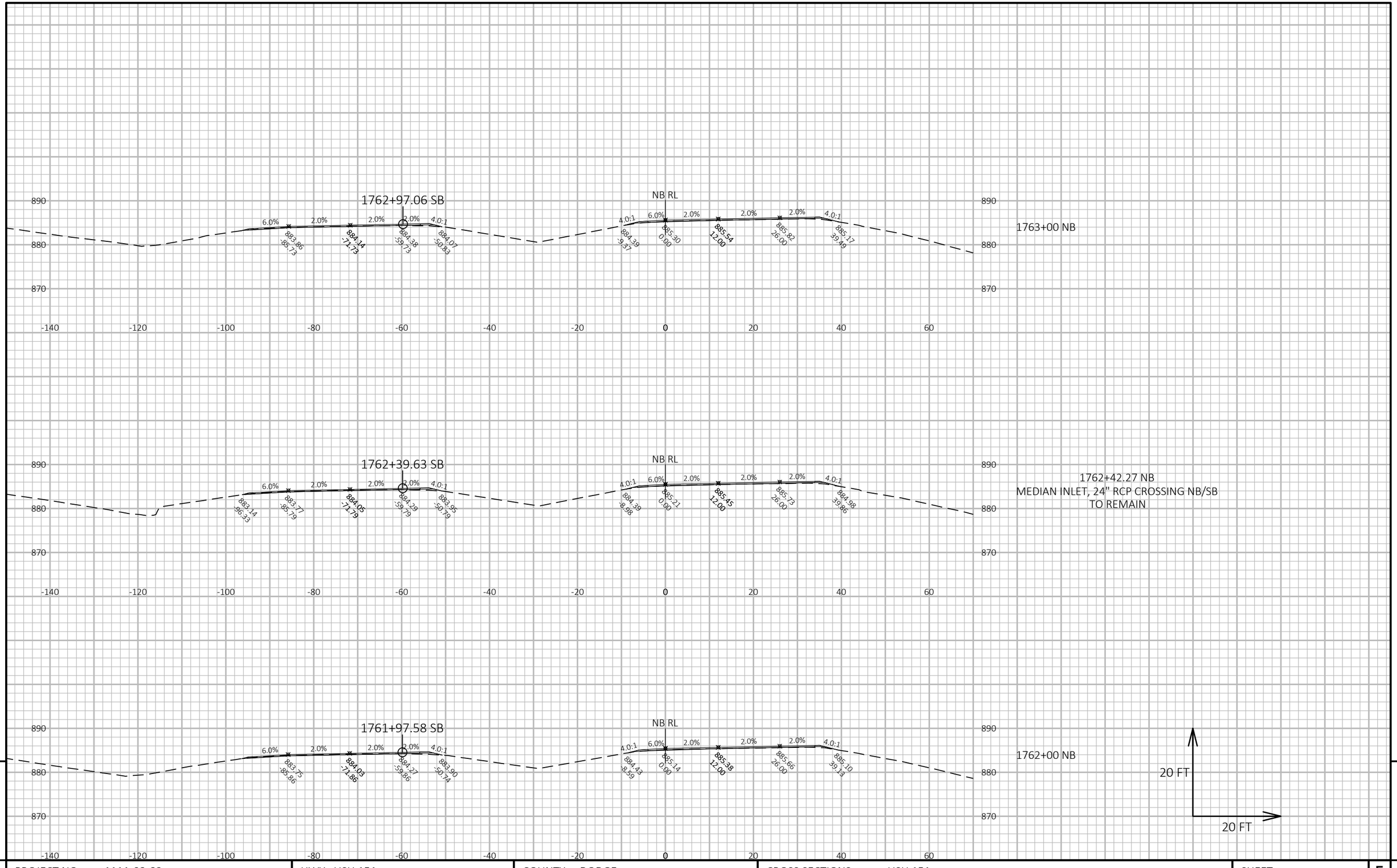


PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 247	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (69)

PLOT DATE : 6/28/2019 11:44 AM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



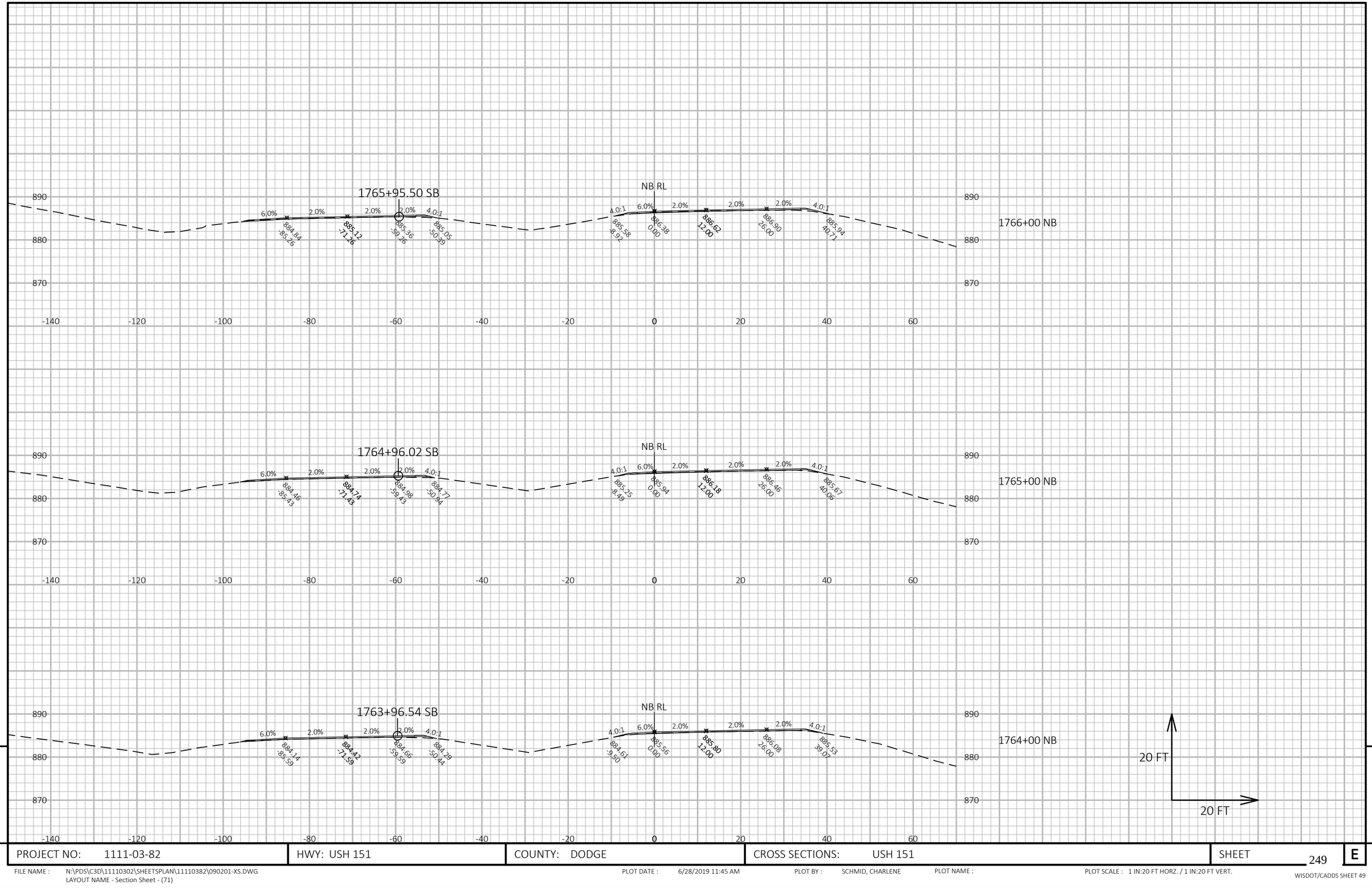
9

9

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 248	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (70)

PLOT DATE : 6/28/2019 11:44 AM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



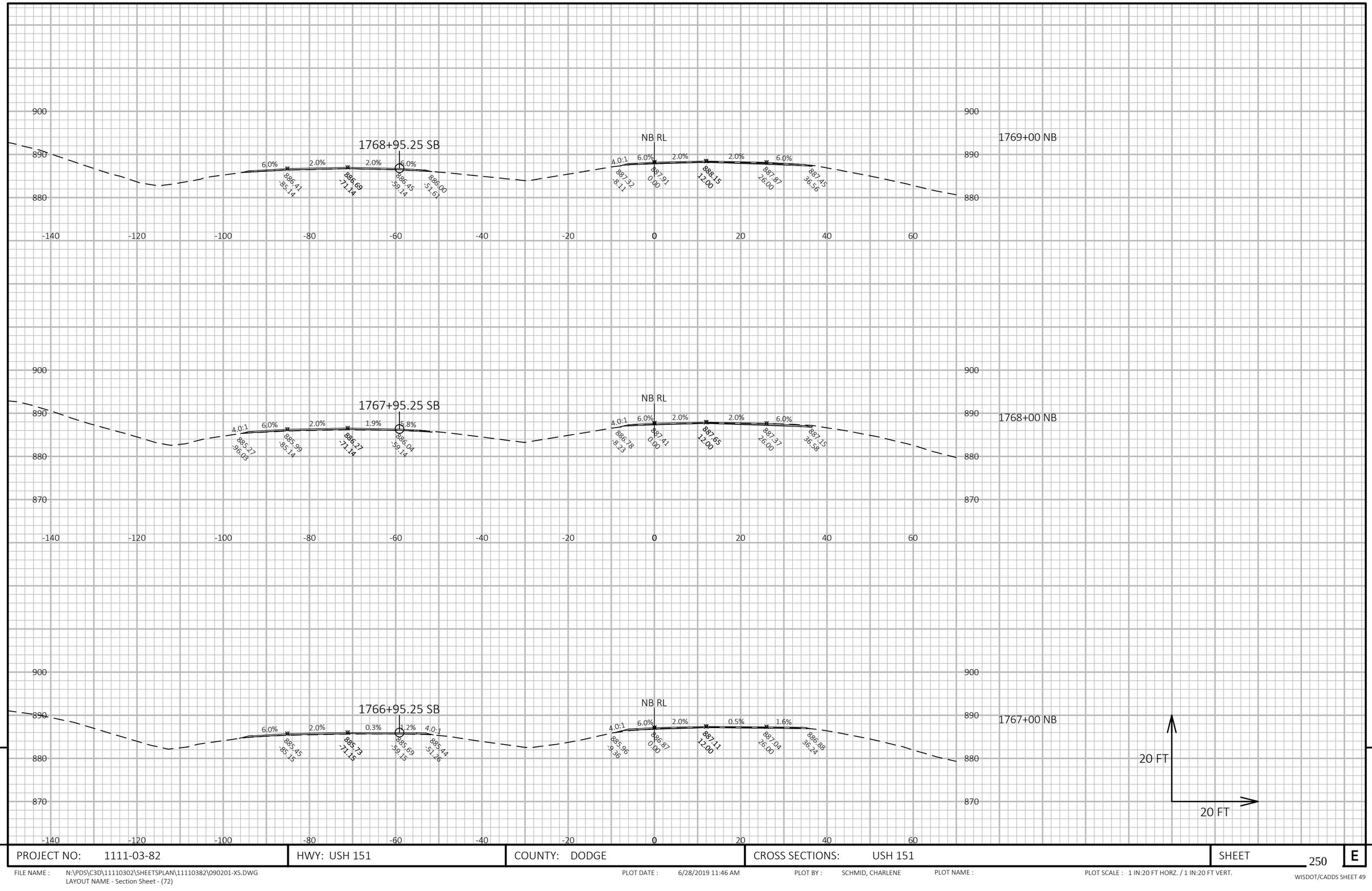
9

9

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 249	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (71)

PLOT DATE : 6/28/2019 11:45 AM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

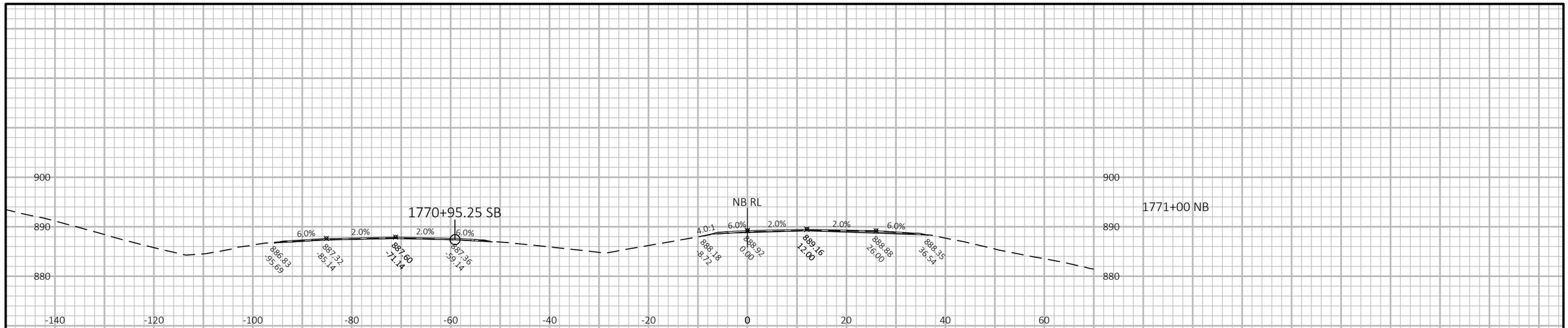
9

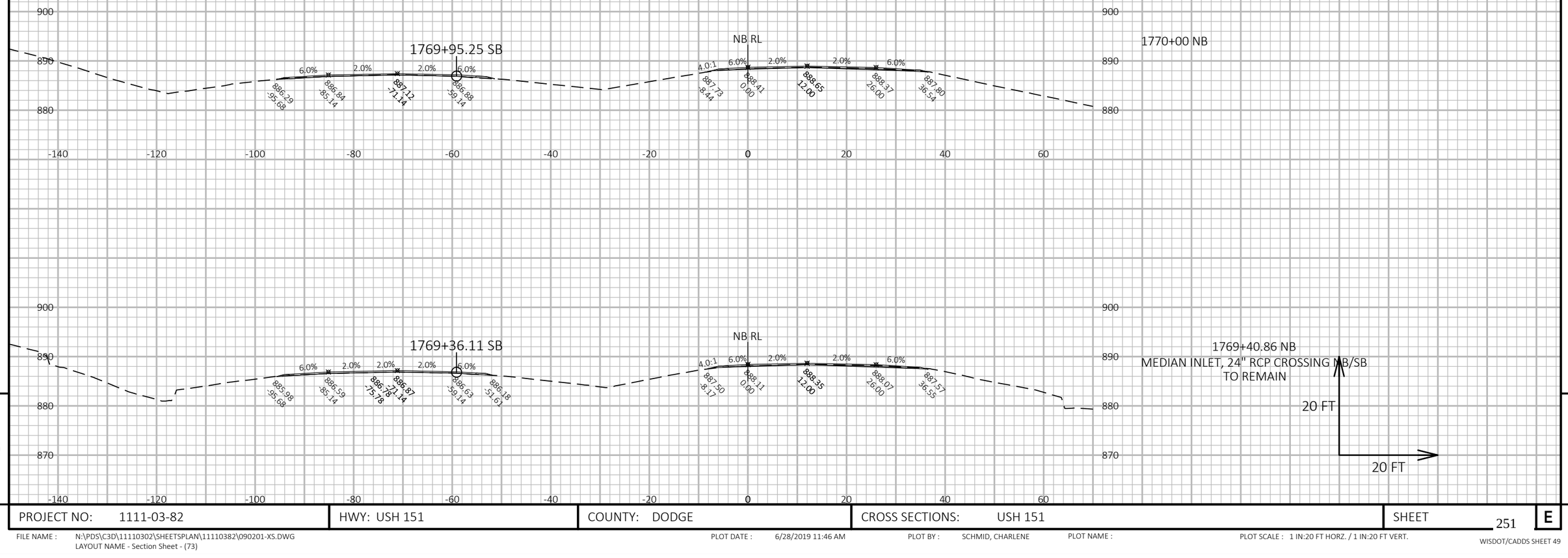
PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 250	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (72)

PLOT DATE : 6/28/2019 11:46 AM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49





9

9

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 251	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (73)

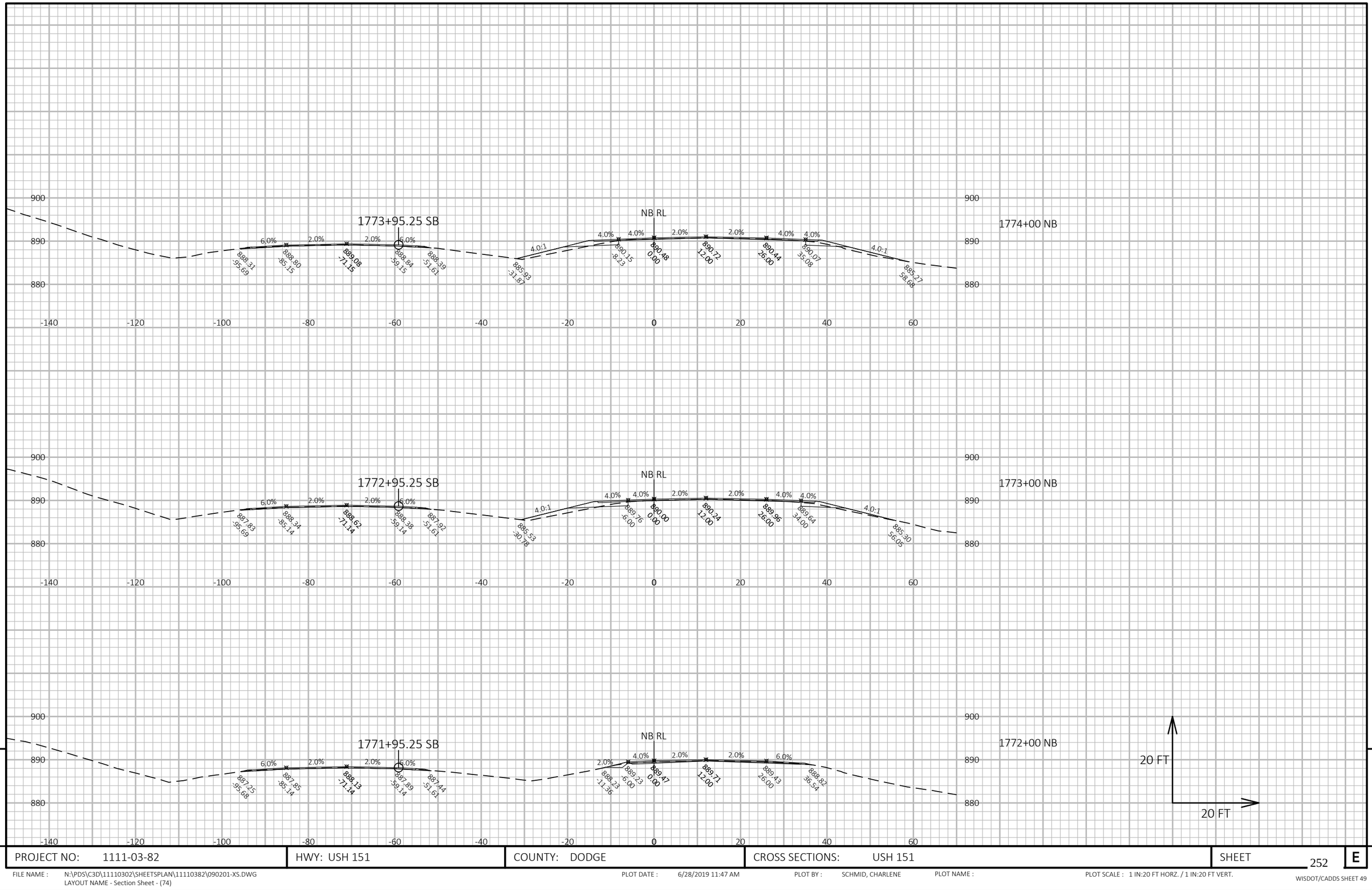
PLOT DATE : 6/28/2019 11:46 AM

PLOT BY : SCHMID, CHARLENE

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



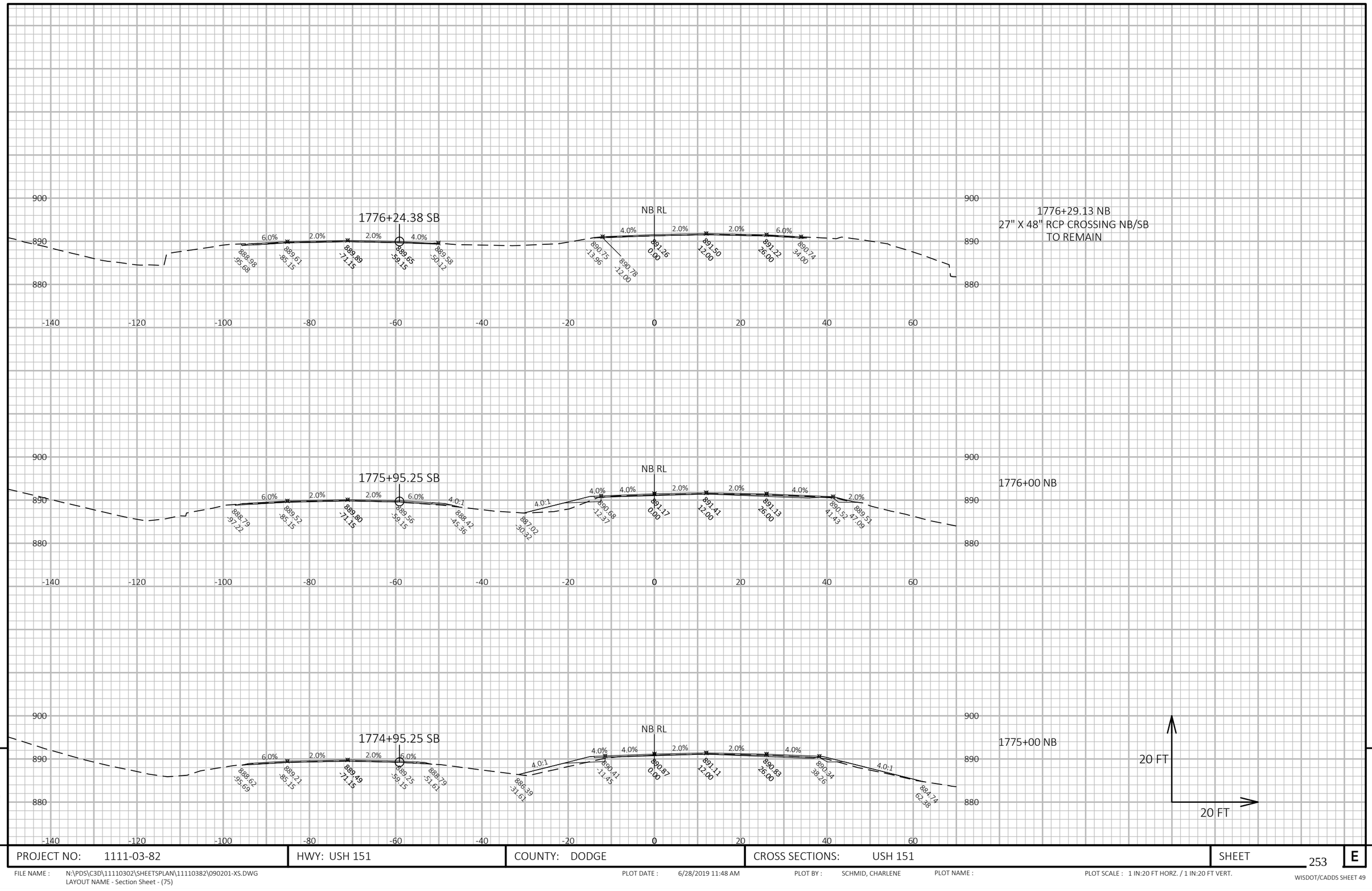
9

9

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 252	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (74)

PLOT DATE : 6/28/2019 11:47 AM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

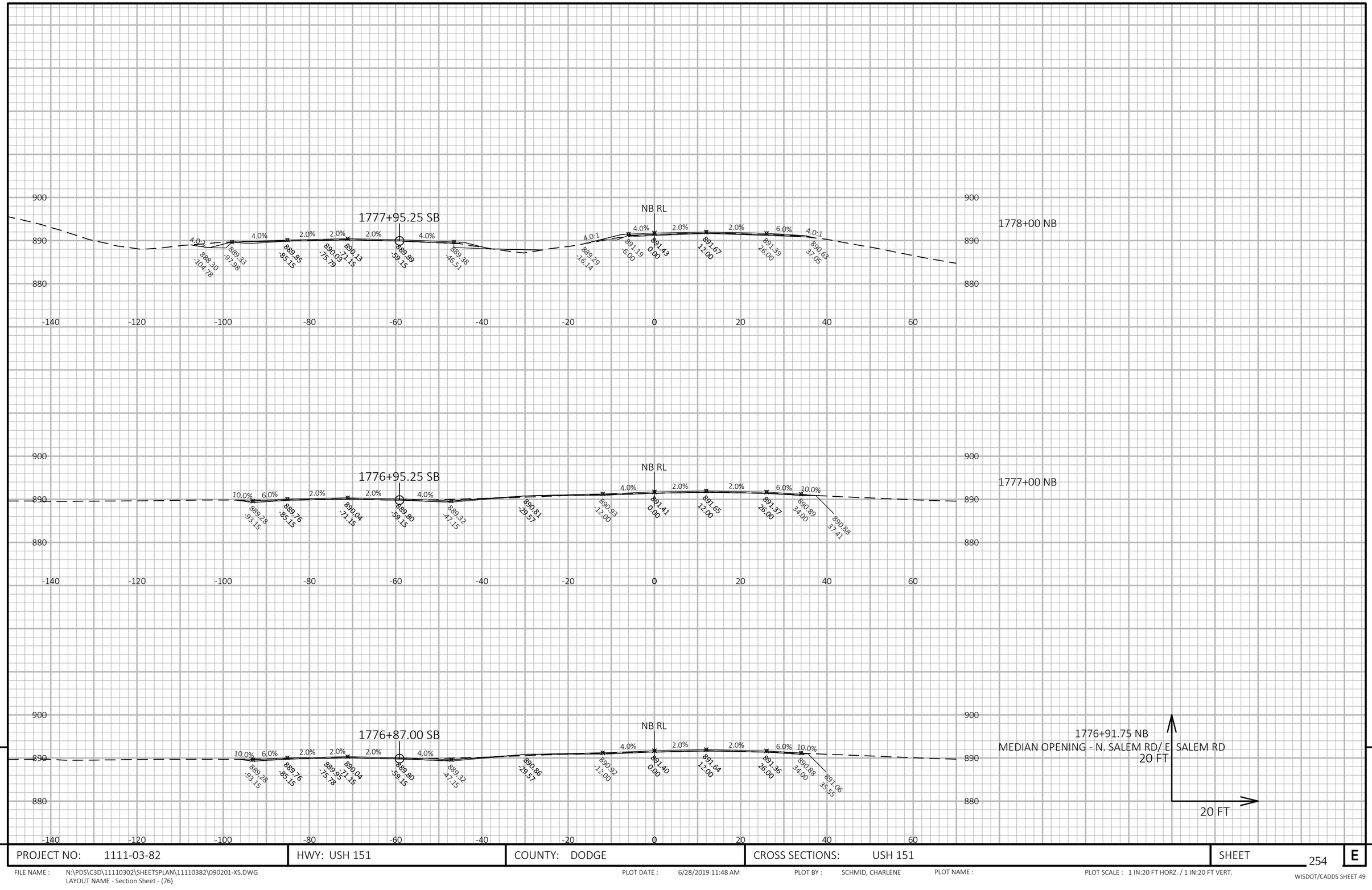
9

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 253	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (75)

PLOT DATE : 6/28/2019 11:48 AM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

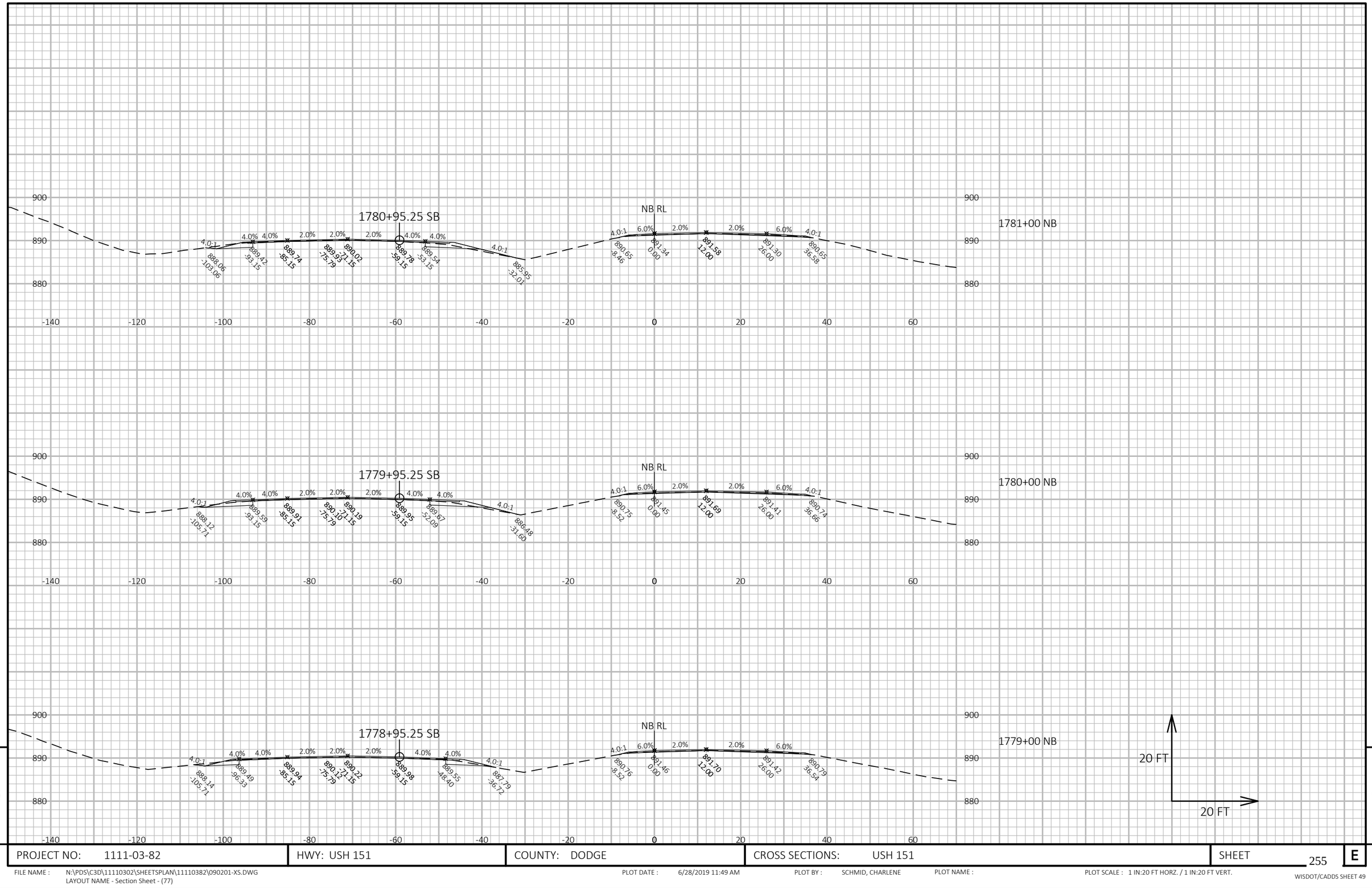
9

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 254	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (76)

PLOT DATE : 6/28/2019 11:48 AM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

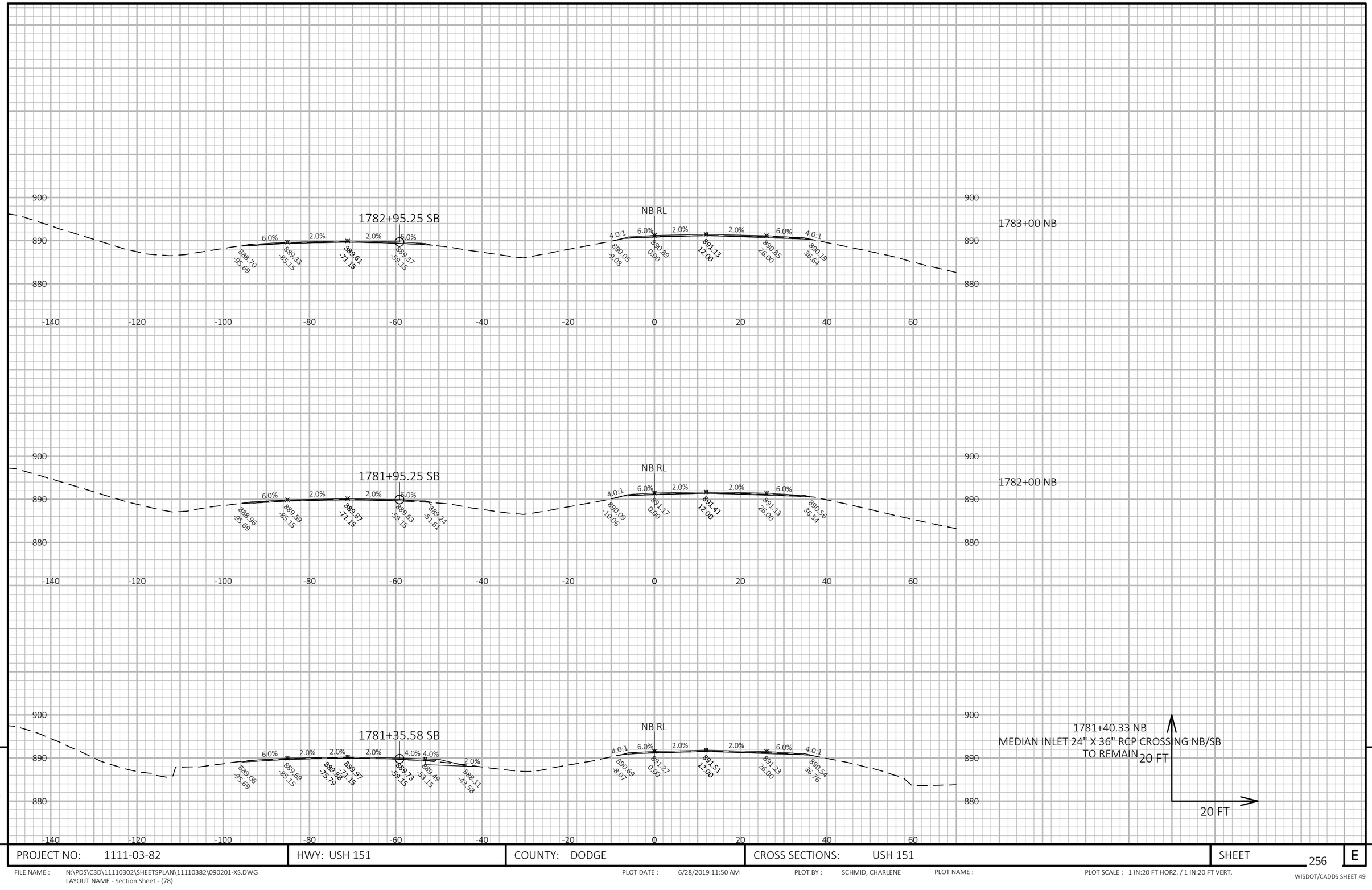


PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 255	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (77)

PLOT DATE : 6/28/2019 11:49 AM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

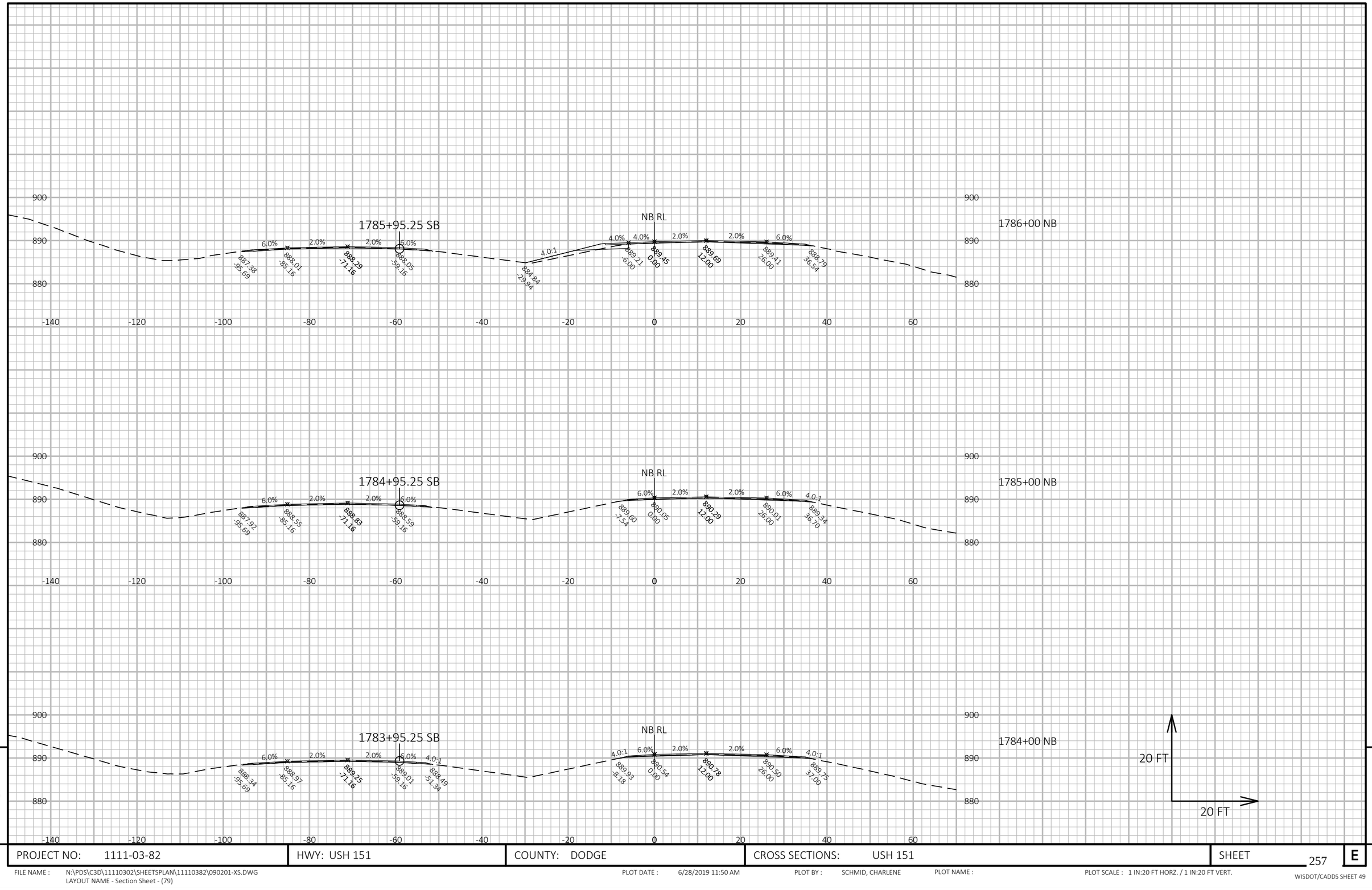


PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 256	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (78)

PLOT DATE : 6/28/2019 11:50 AM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



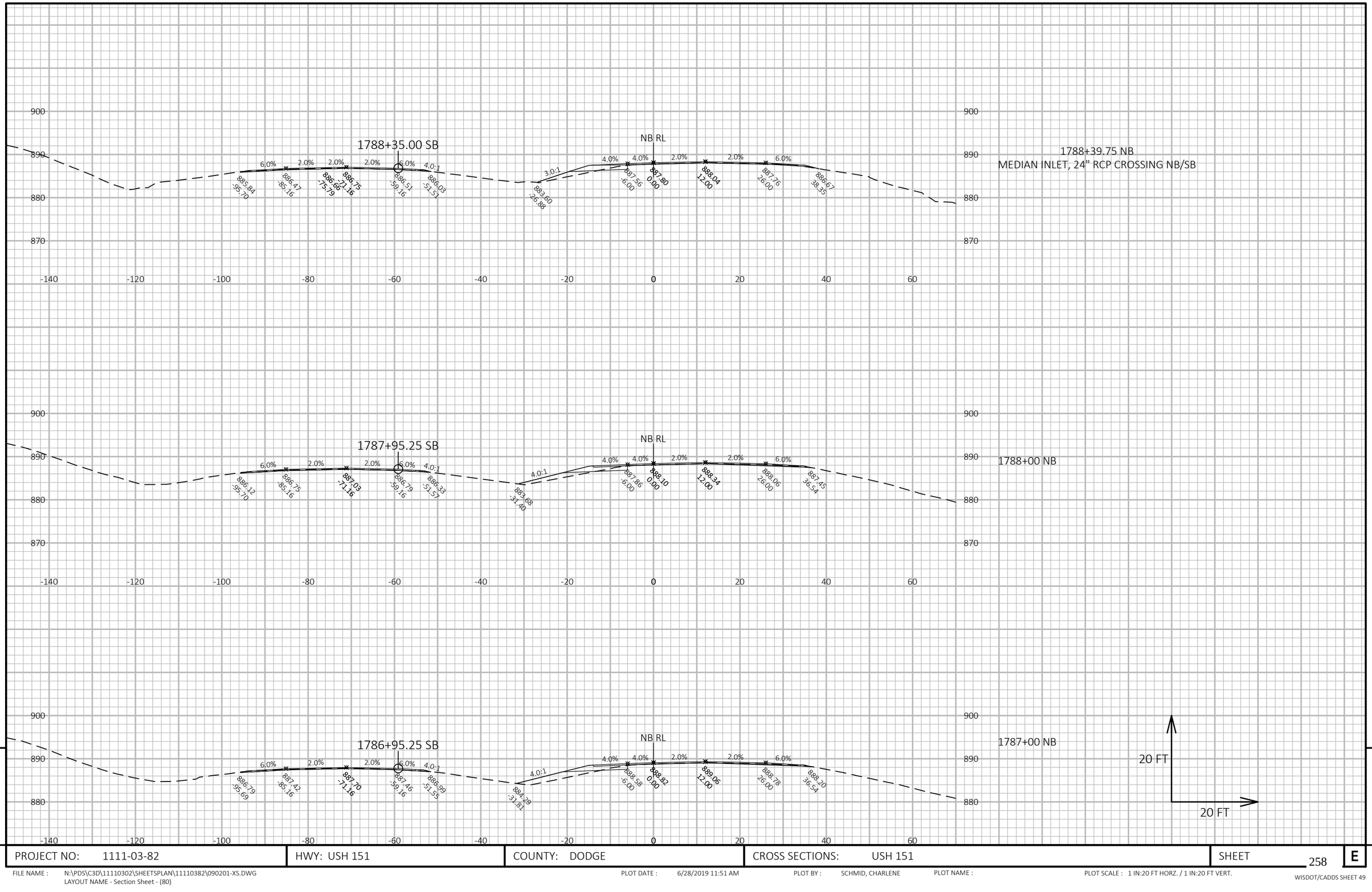
9

9

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 257	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (79)

PLOT DATE : 6/28/2019 11:50 AM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

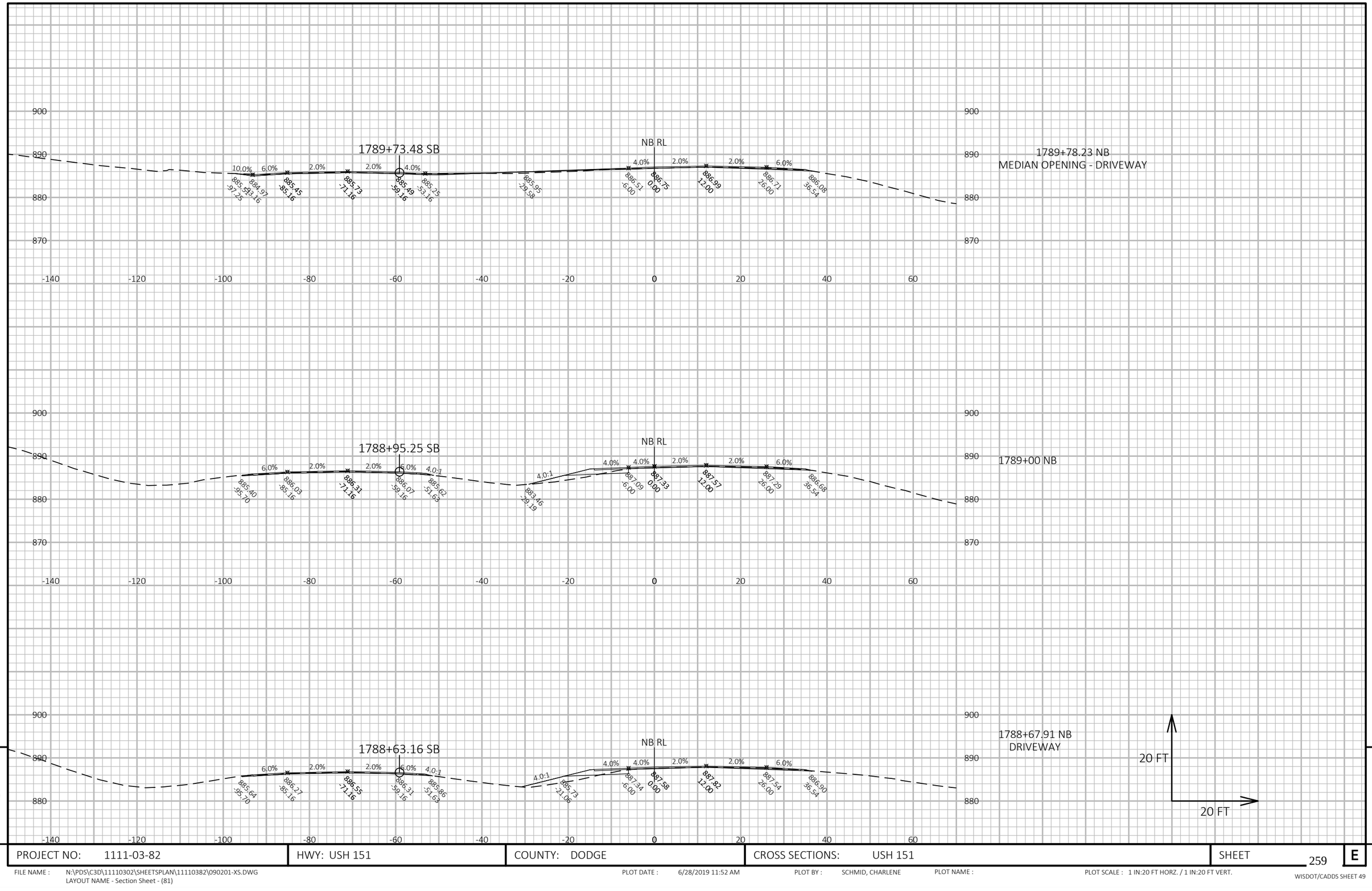


PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 258	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (80)

PLOT DATE : 6/28/2019 11:51 AM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

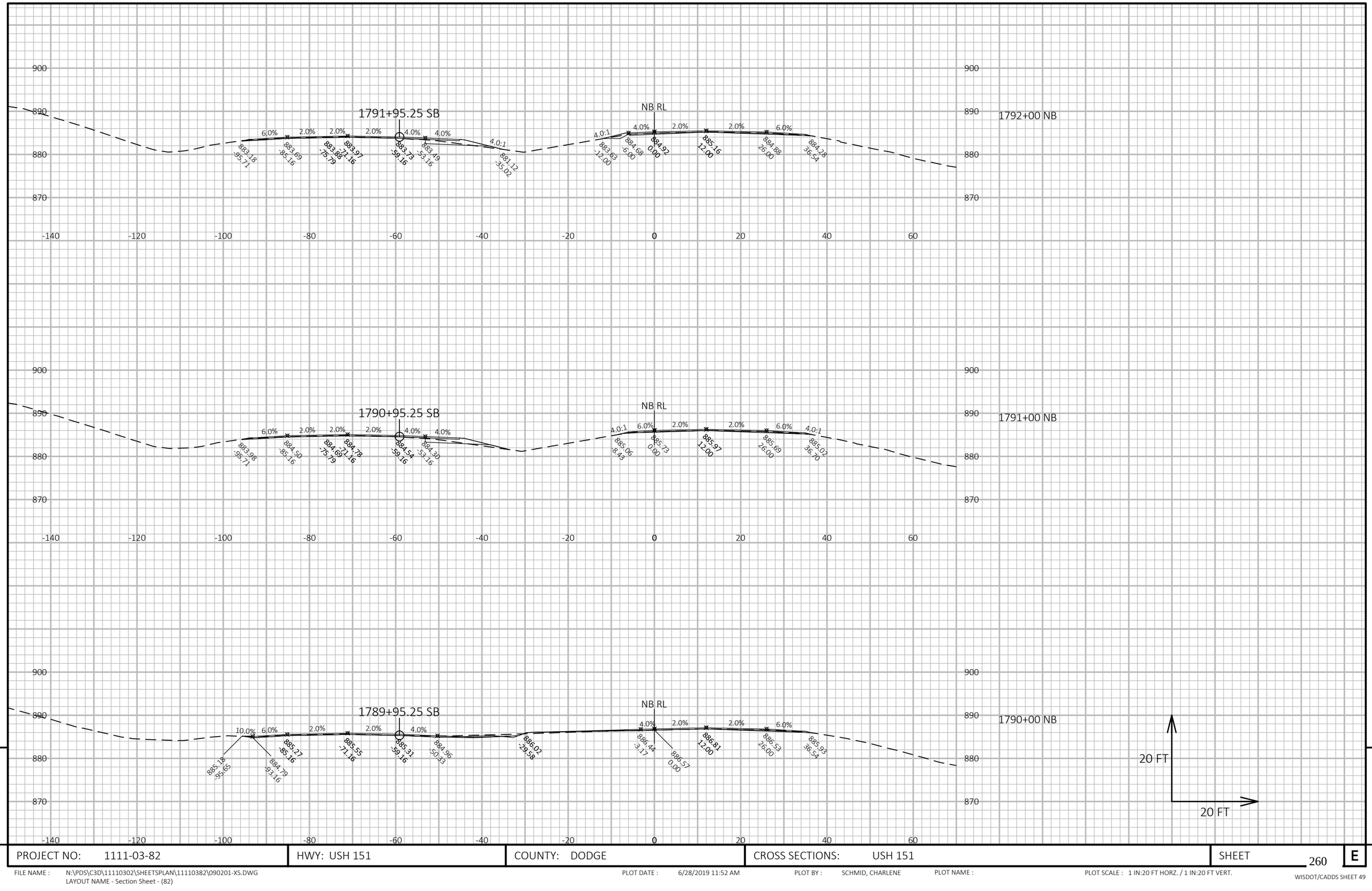
9

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 259	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (81)

PLOT DATE : 6/28/2019 11:52 AM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

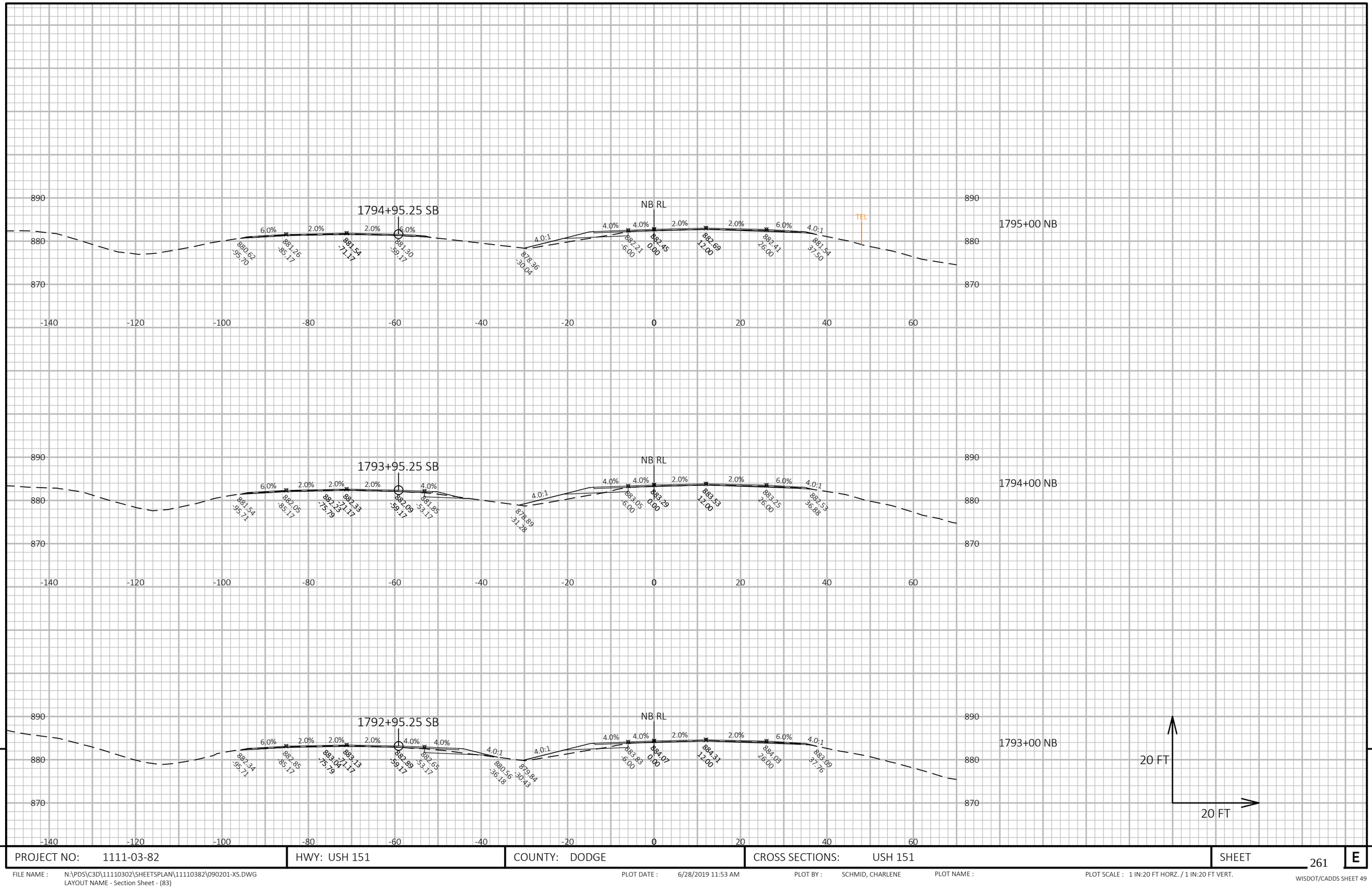
9

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 260	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (82)

PLOT DATE : 6/28/2019 11:52 AM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

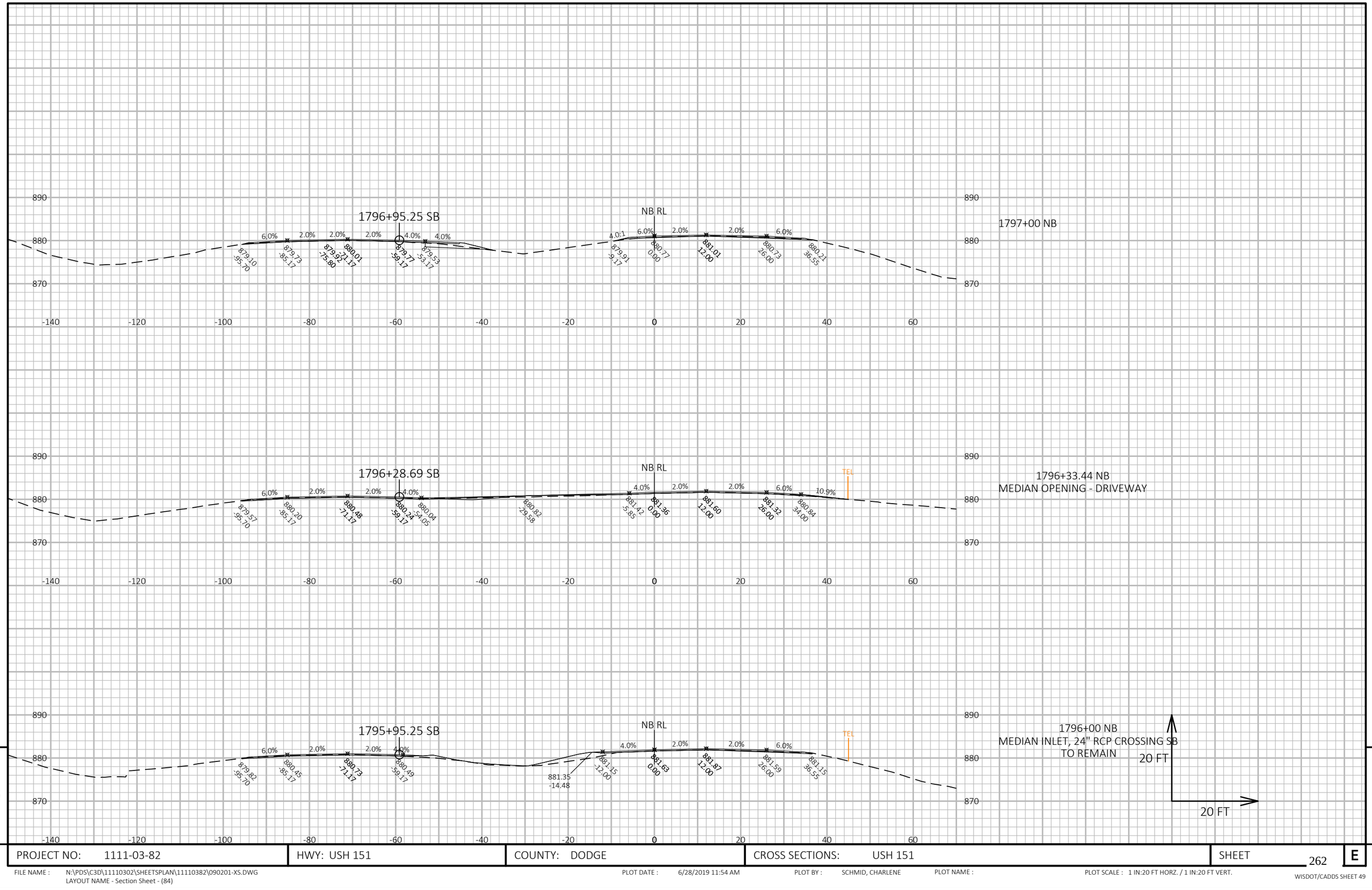


PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 261	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (83)

PLOT DATE : 6/28/2019 11:53 AM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 262	E

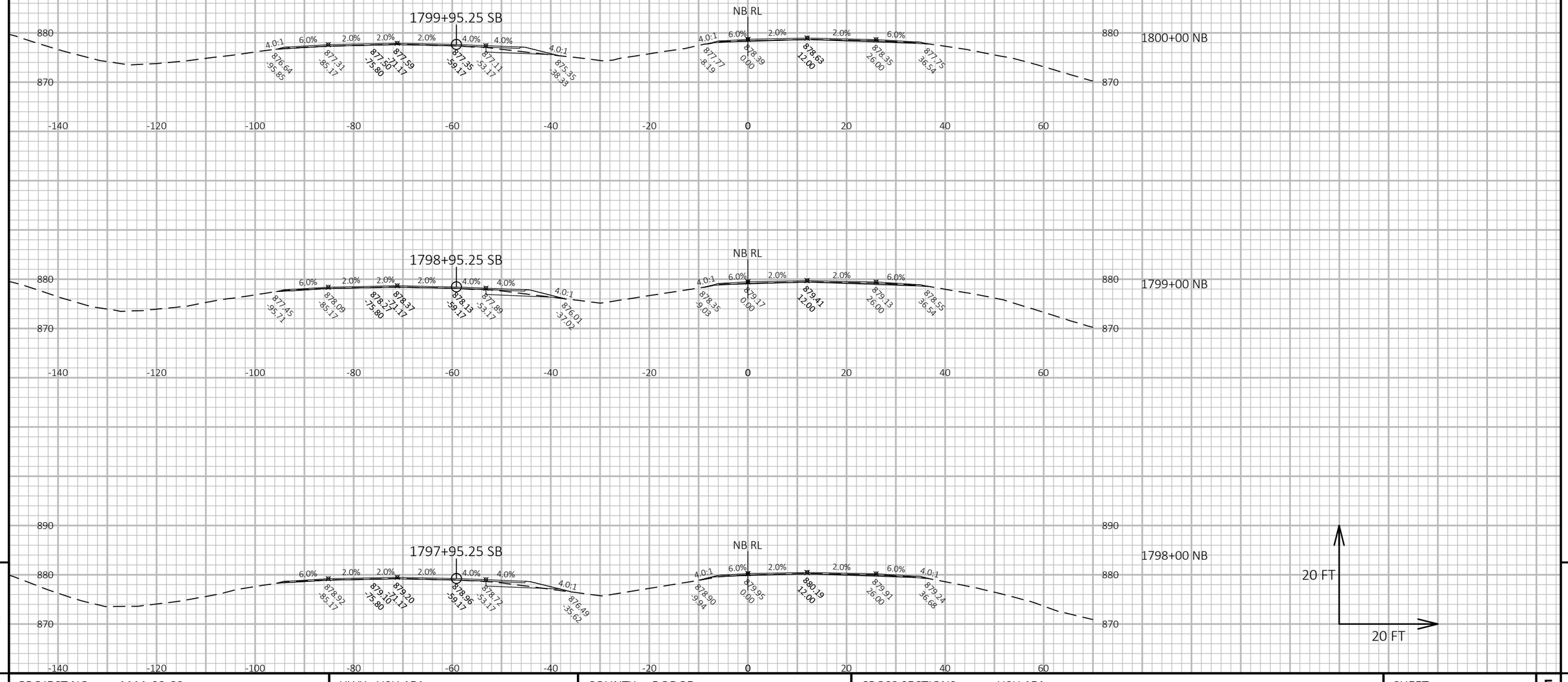
FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (84)

PLOT DATE : 6/28/2019 11:54 AM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

9

9



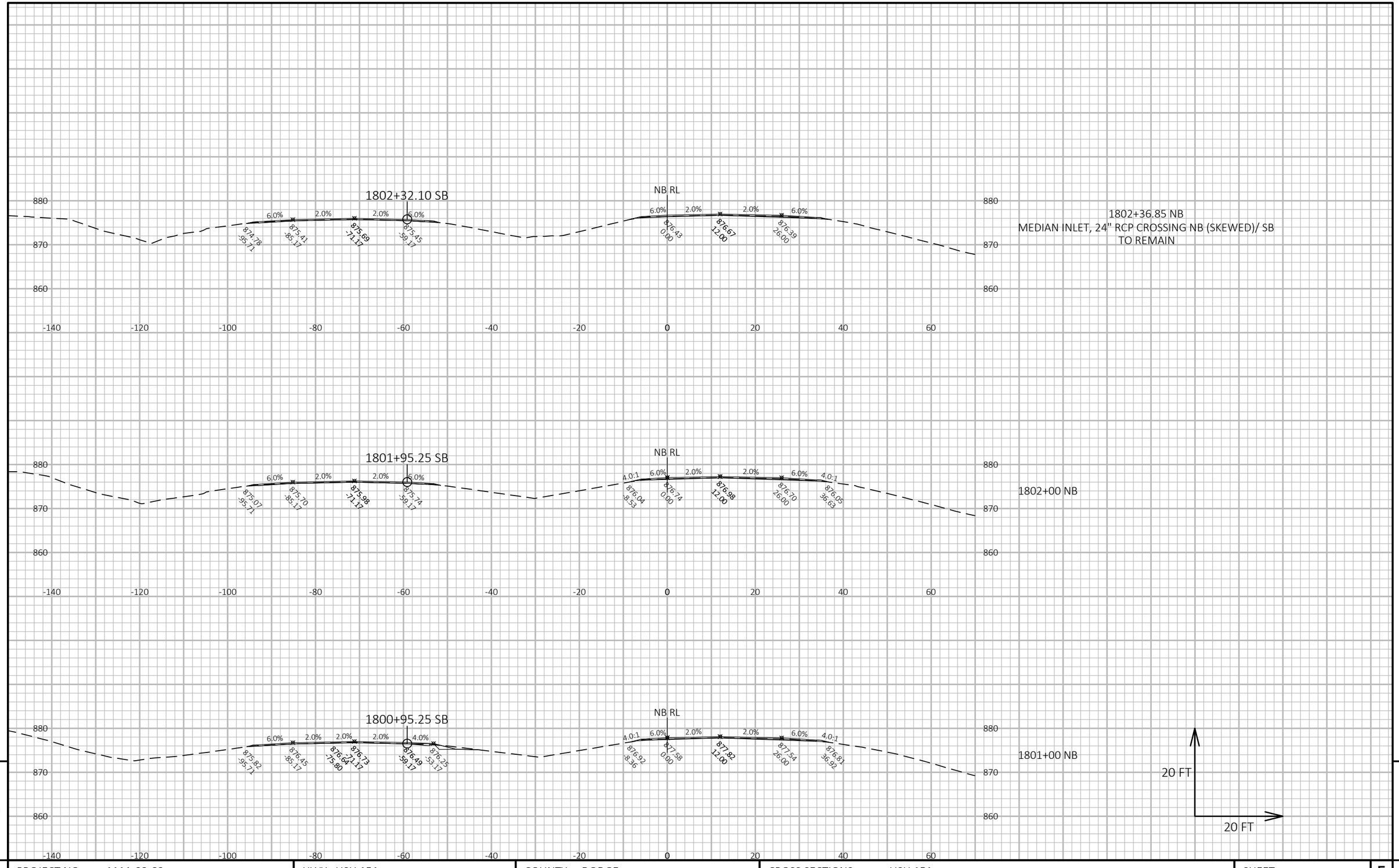
9

9

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 263	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (85)

PLOT DATE : 6/28/2019 11:54 AM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

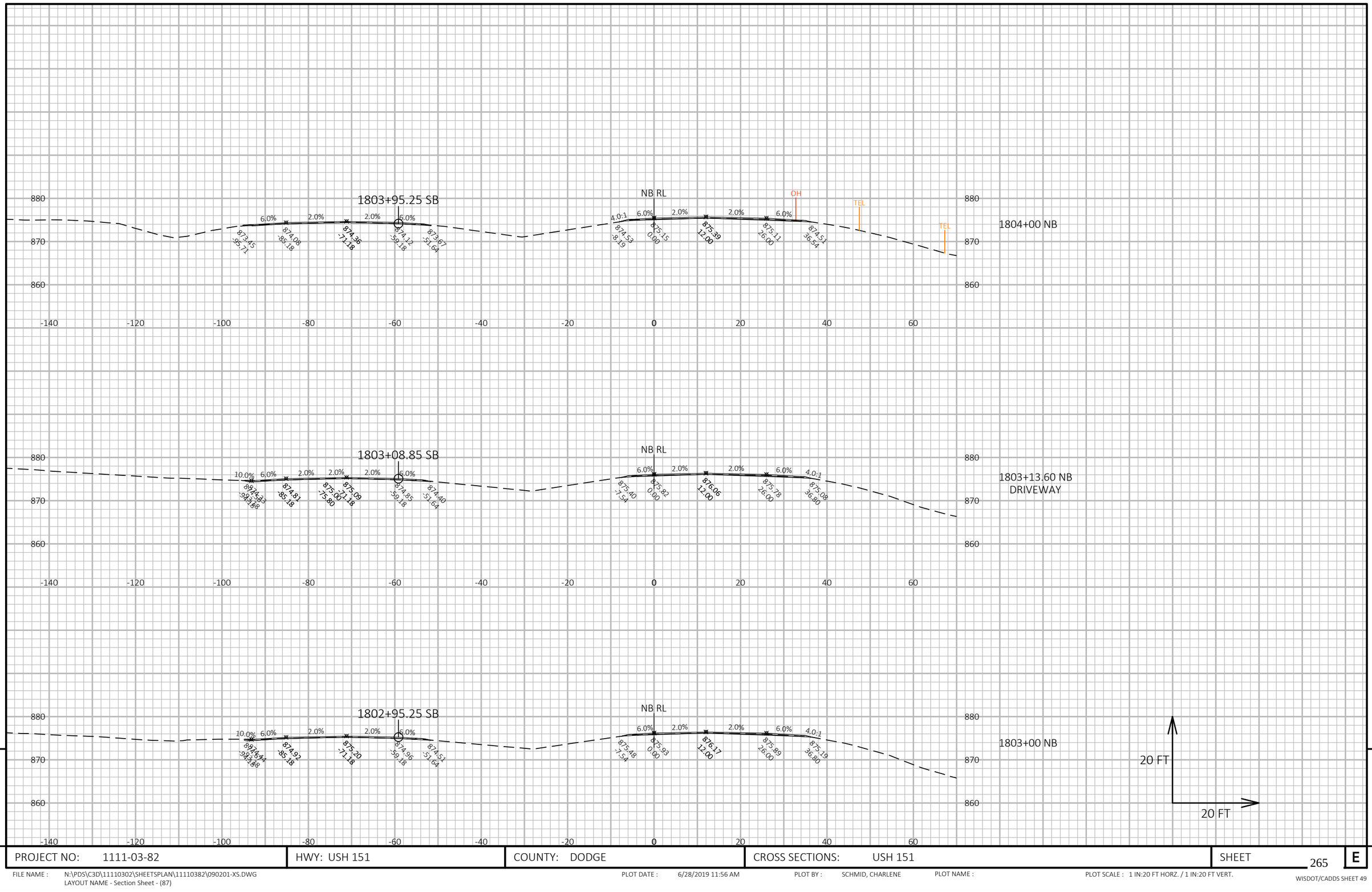
9

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 264	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (86)

PLOT DATE : 6/28/2019 11:55 AM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

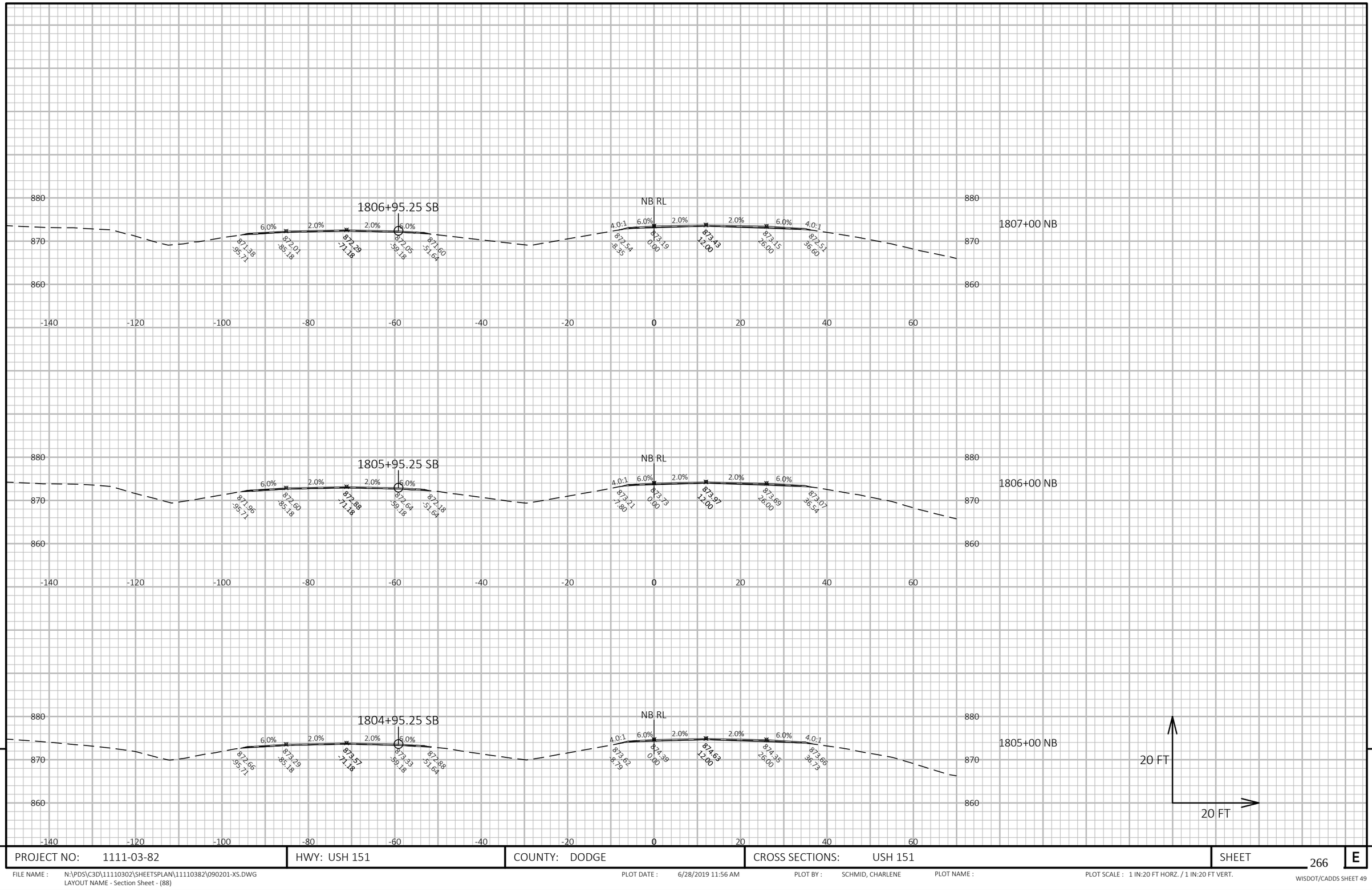
9

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 265	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (87)

PLOT DATE : 6/28/2019 11:56 AM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

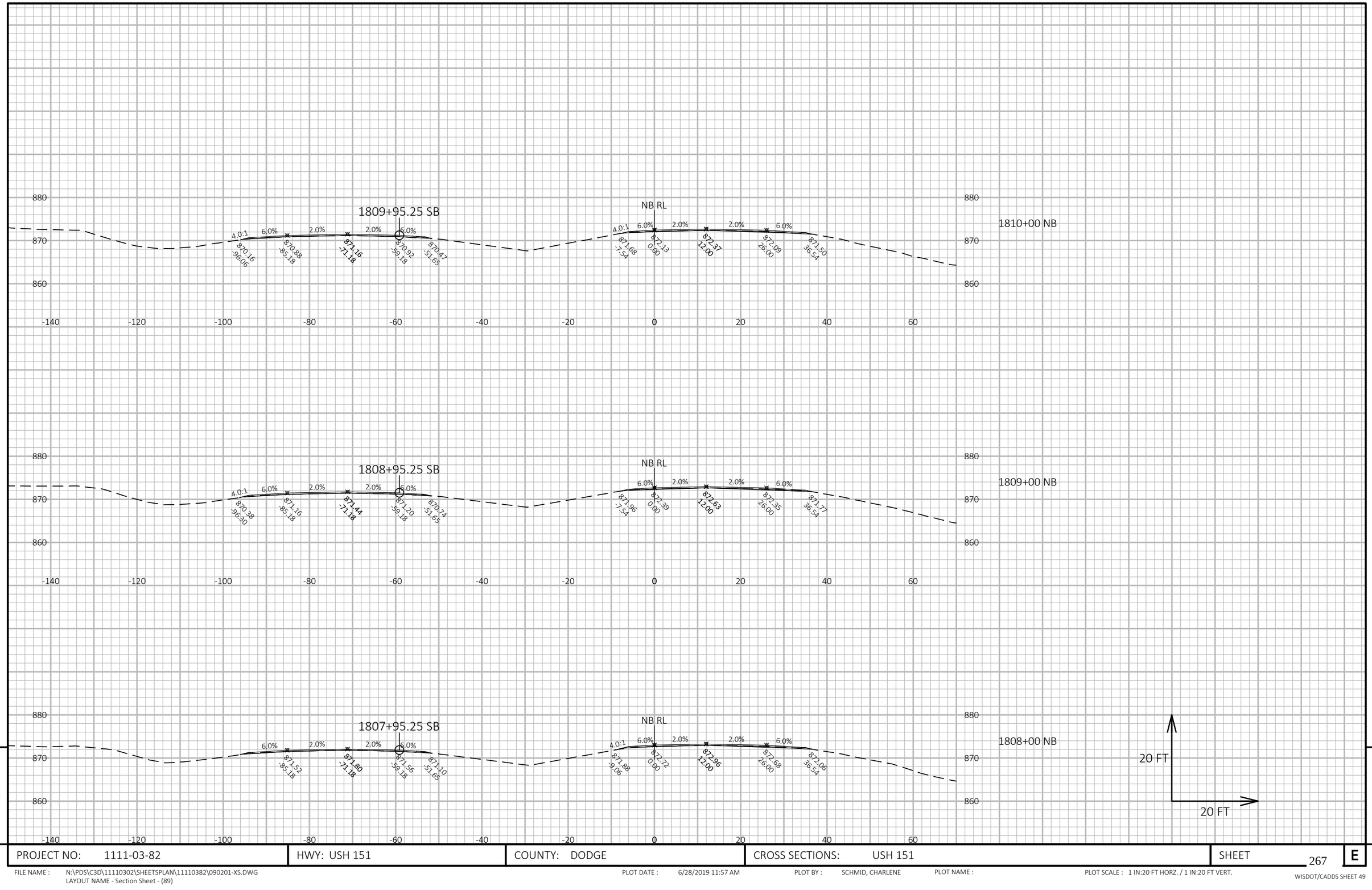
9

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 266	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (88)

PLOT DATE : 6/28/2019 11:56 AM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

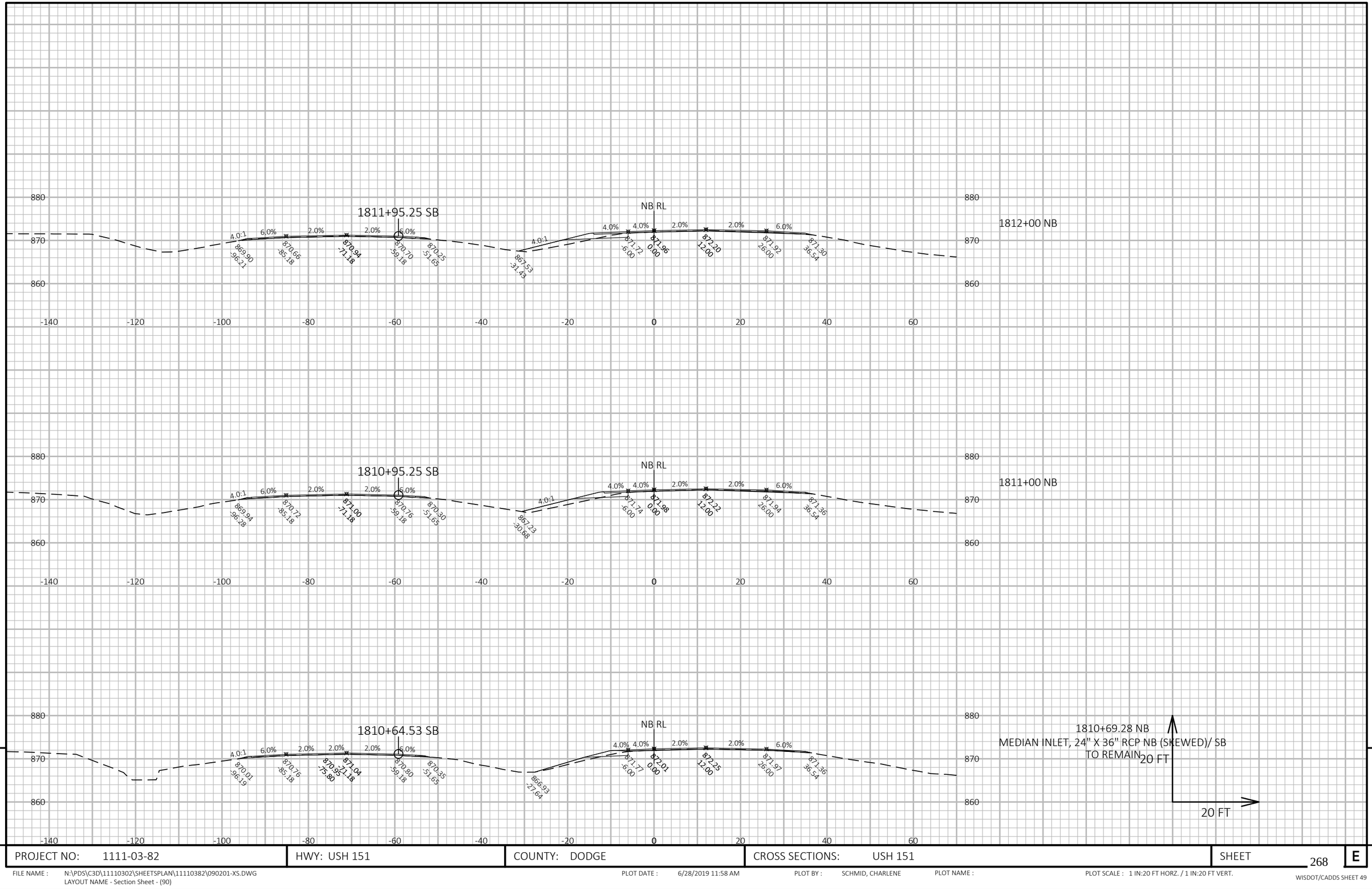


PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 267	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (89)

PLOT DATE : 6/28/2019 11:57 AM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

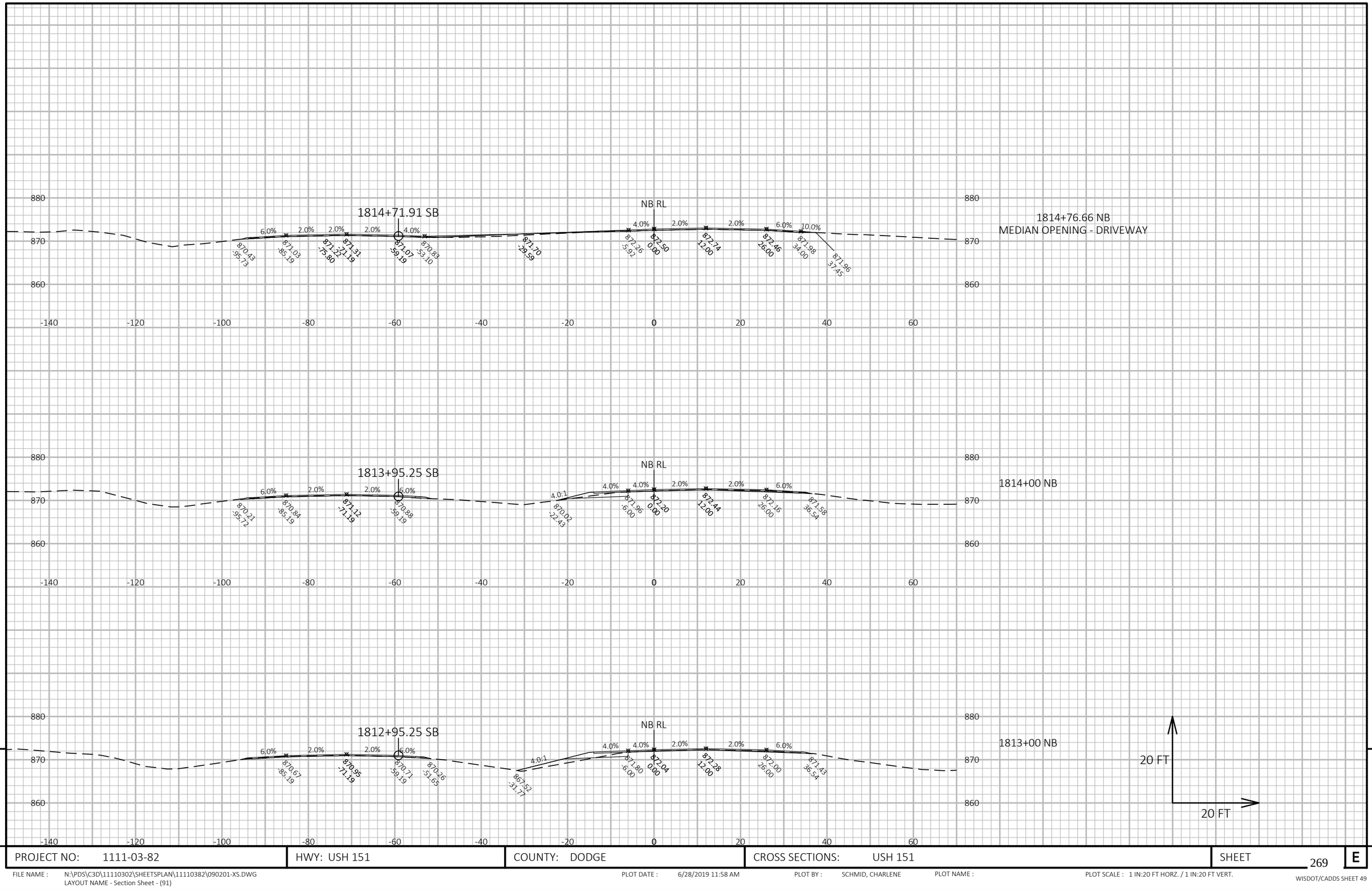
9

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 268	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (90)

PLOT DATE : 6/28/2019 11:58 AM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

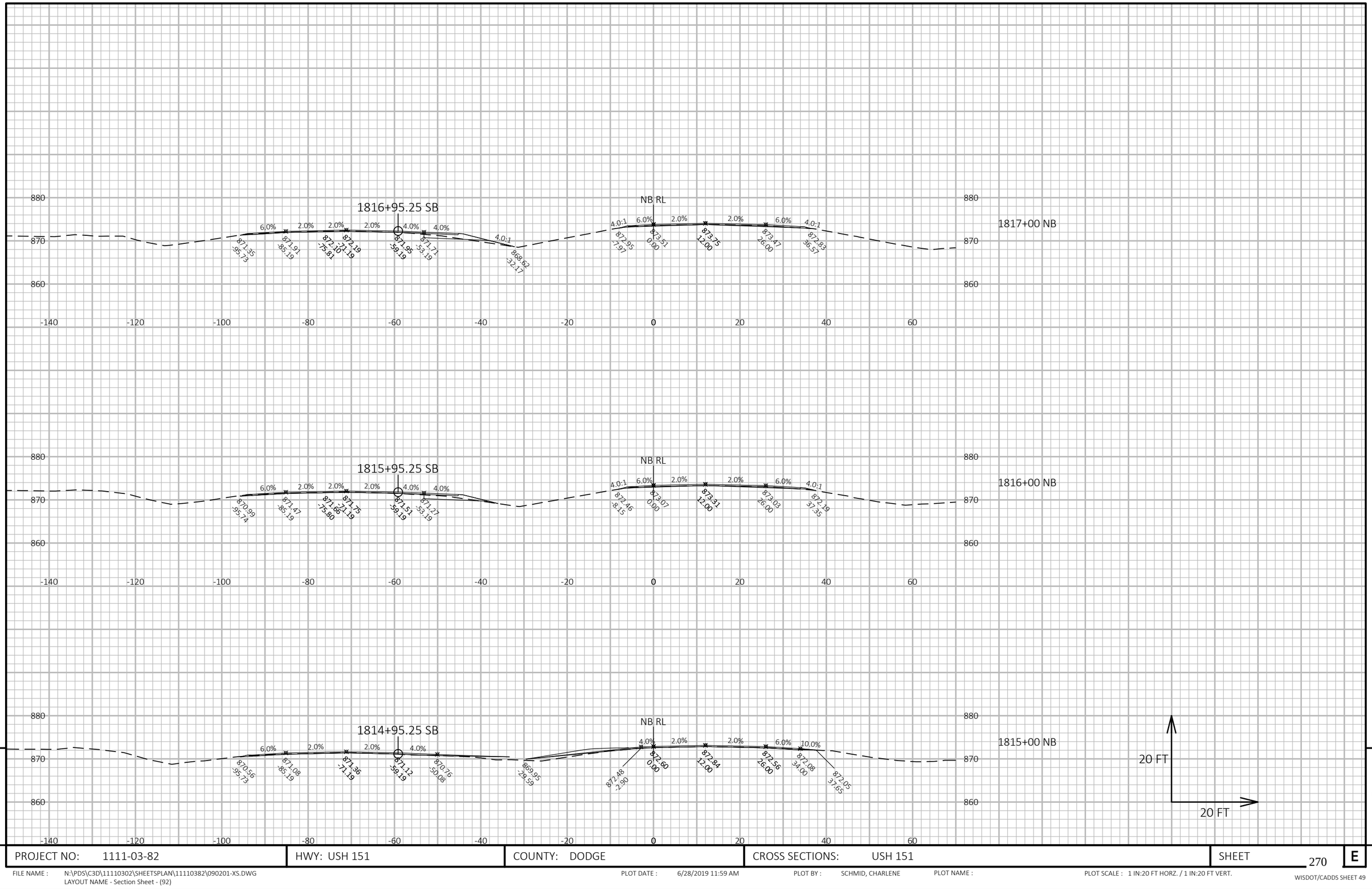
9

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 269	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (91)

PLOT DATE : 6/28/2019 11:58 AM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

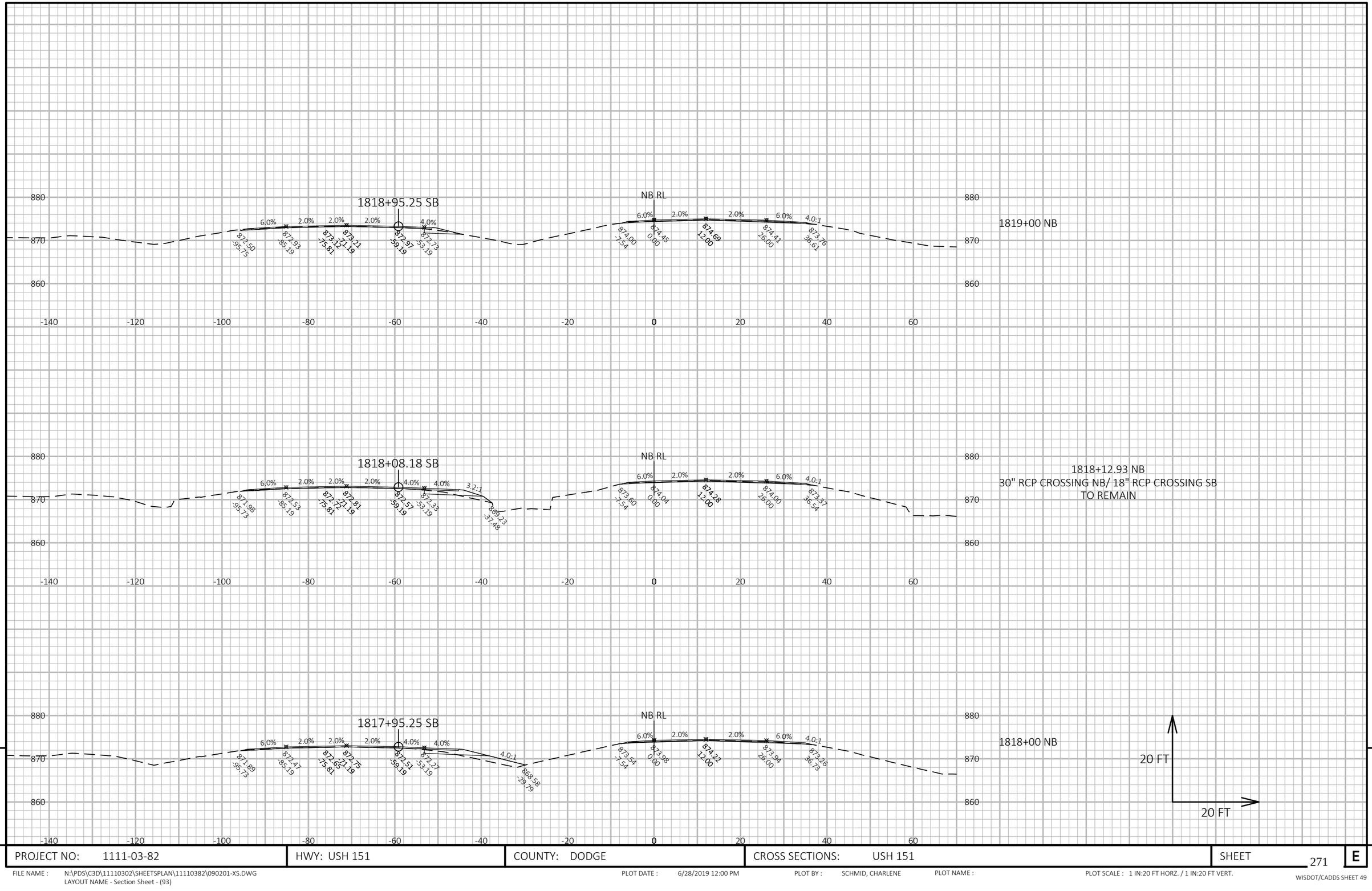
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PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 270	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (92)

PLOT DATE : 6/28/2019 11:59 AM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



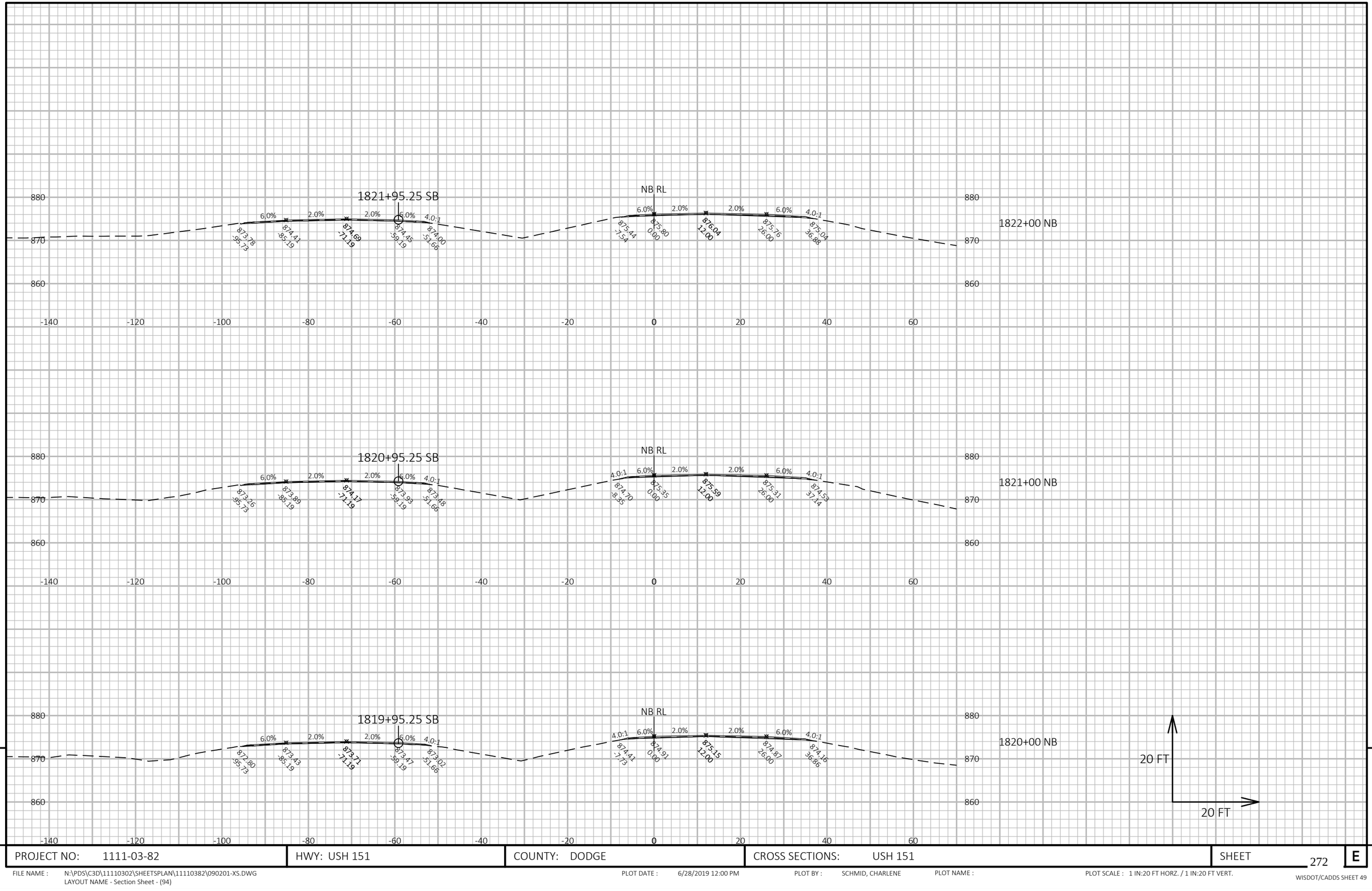
9

9

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 271	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (93)

PLOT DATE : 6/28/2019 12:00 PM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

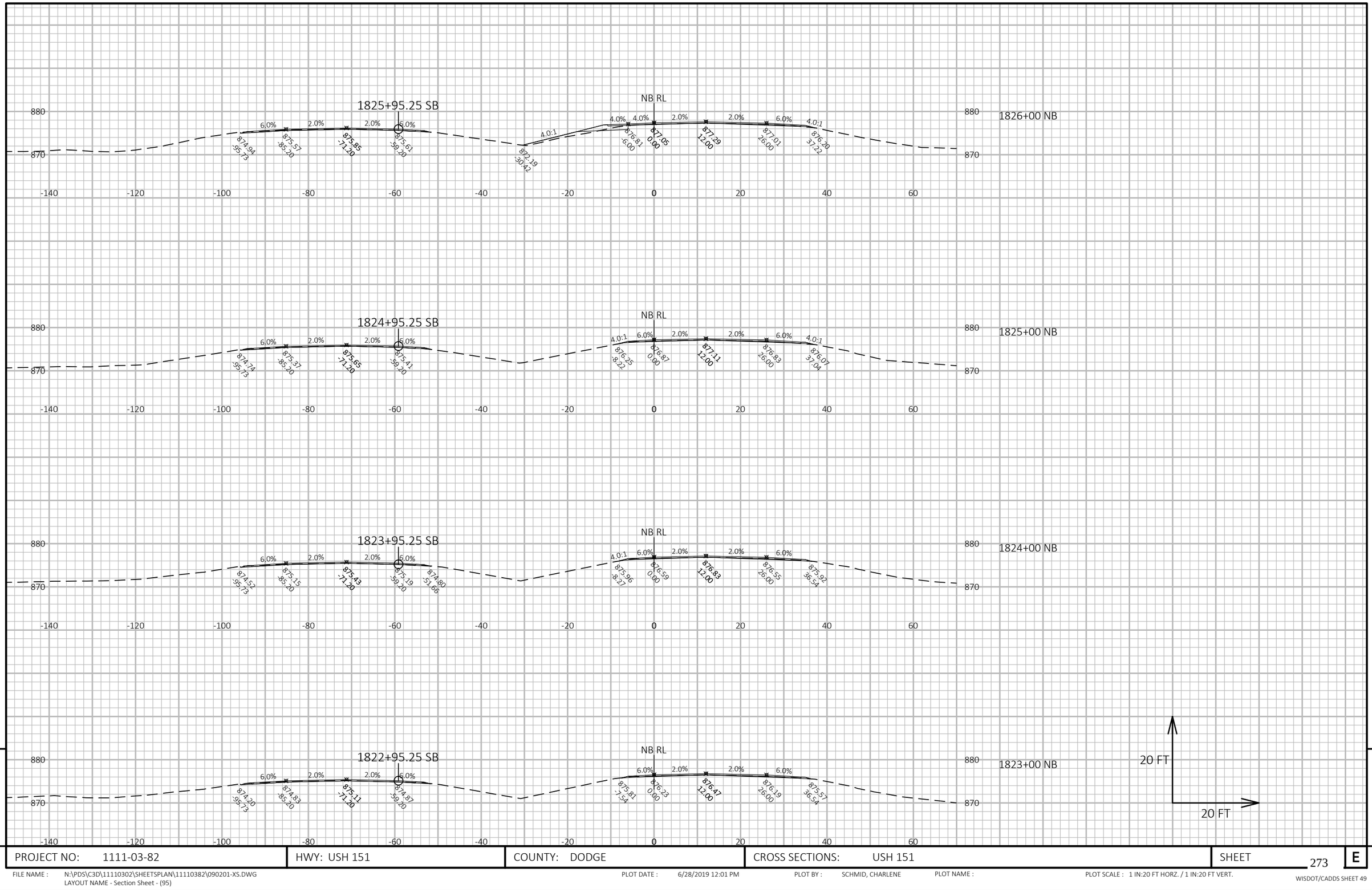
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PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 272	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (94)

PLOT DATE : 6/28/2019 12:00 PM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



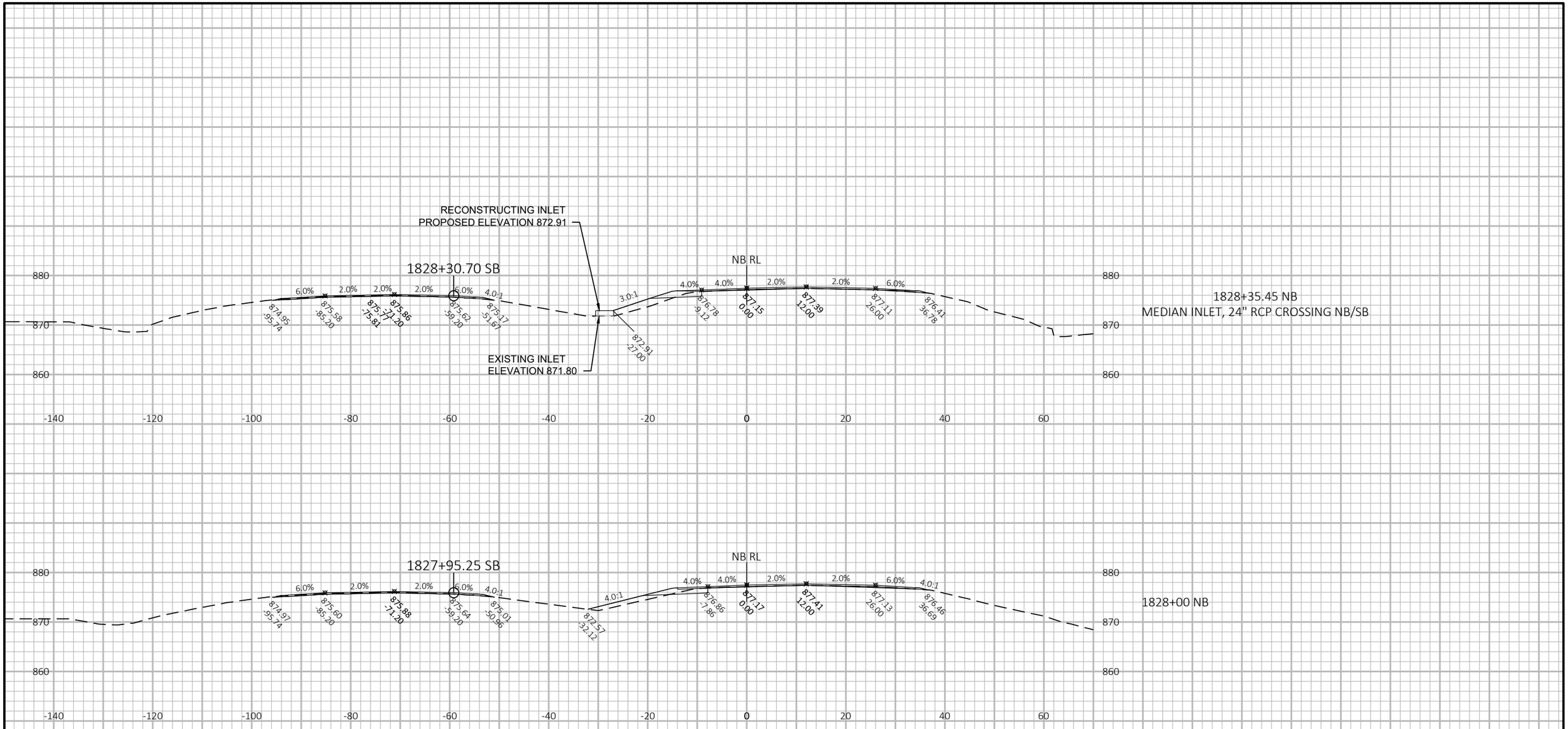
9

9

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 273	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (95)

PLOT DATE : 6/28/2019 12:01 PM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

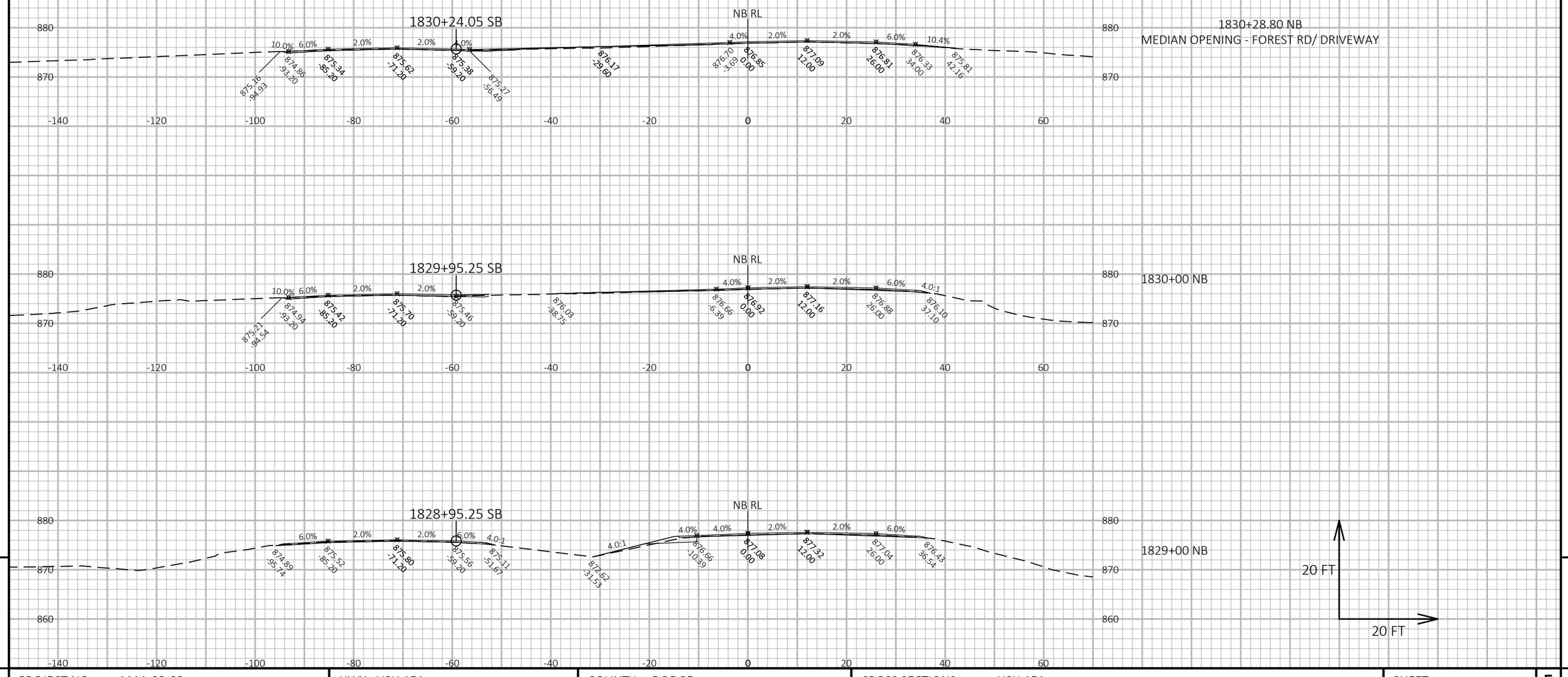
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PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 274	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (96)

PLOT DATE : 6/28/2019 12:02 PM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

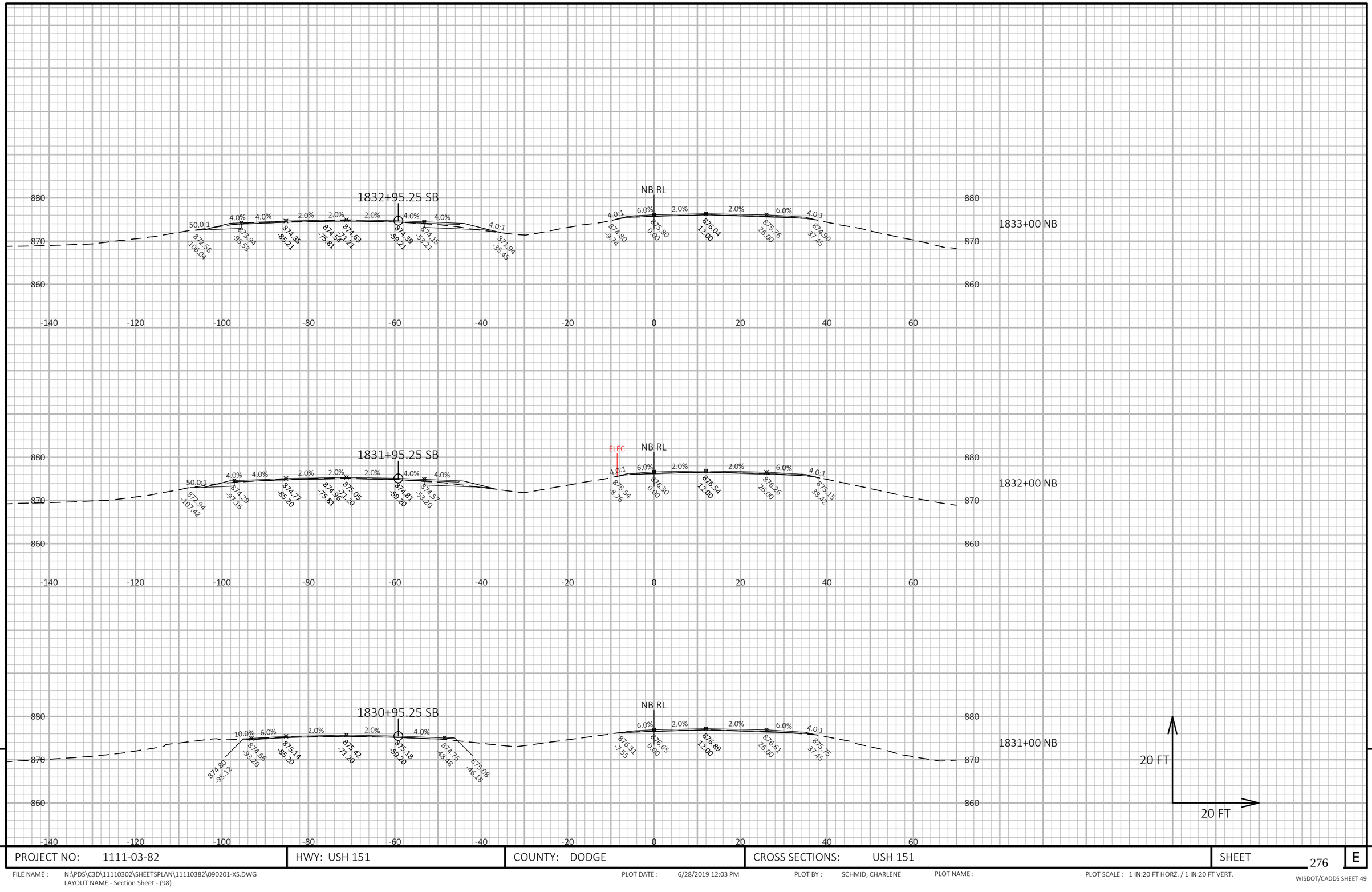
9

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 275	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (97)

PLOT DATE : 6/28/2019 12:02 PM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 276	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (98)

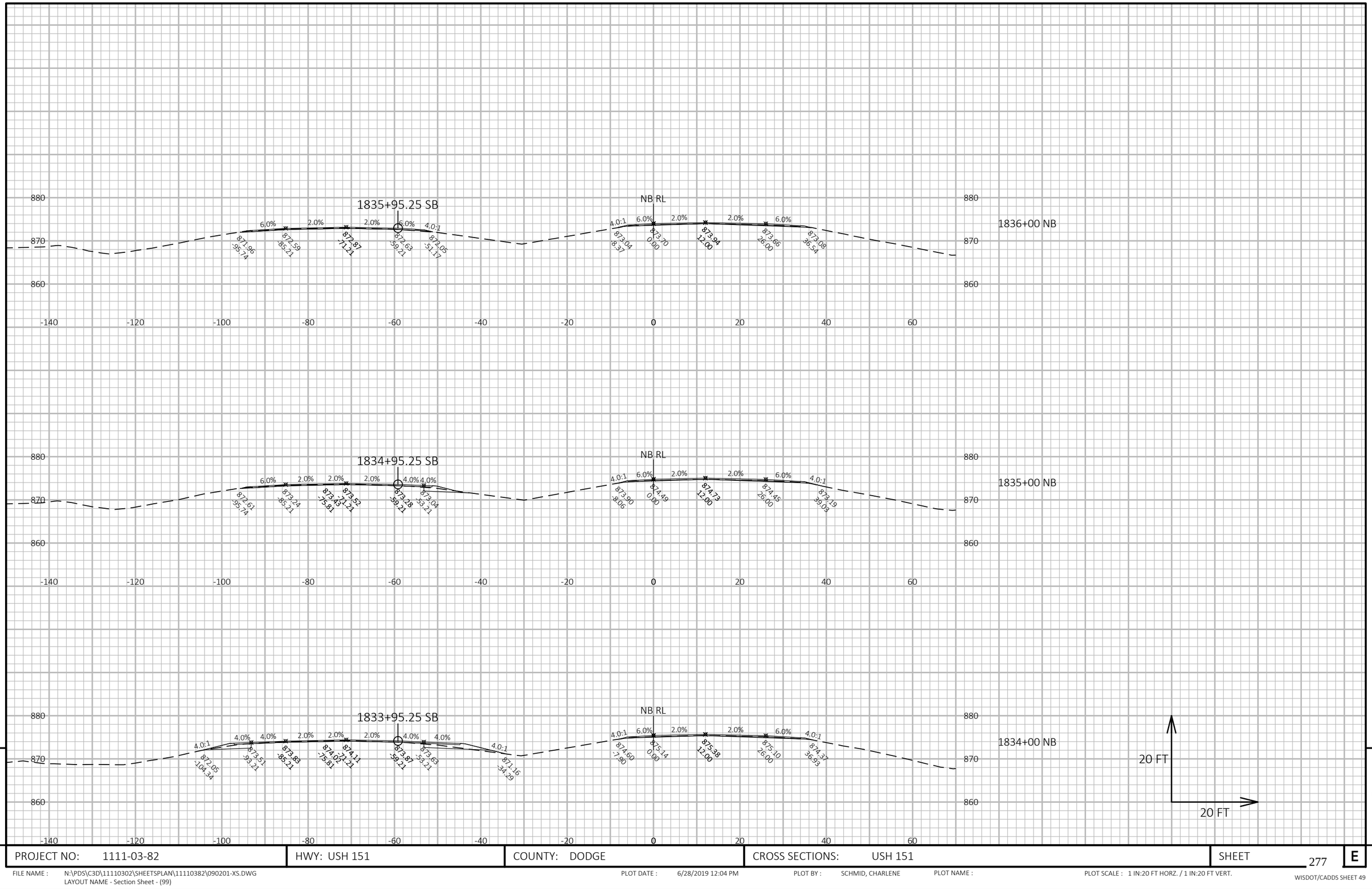
PLOT DATE : 6/28/2019 12:03 PM

PLOT BY : SCHMID, CHARLENE

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

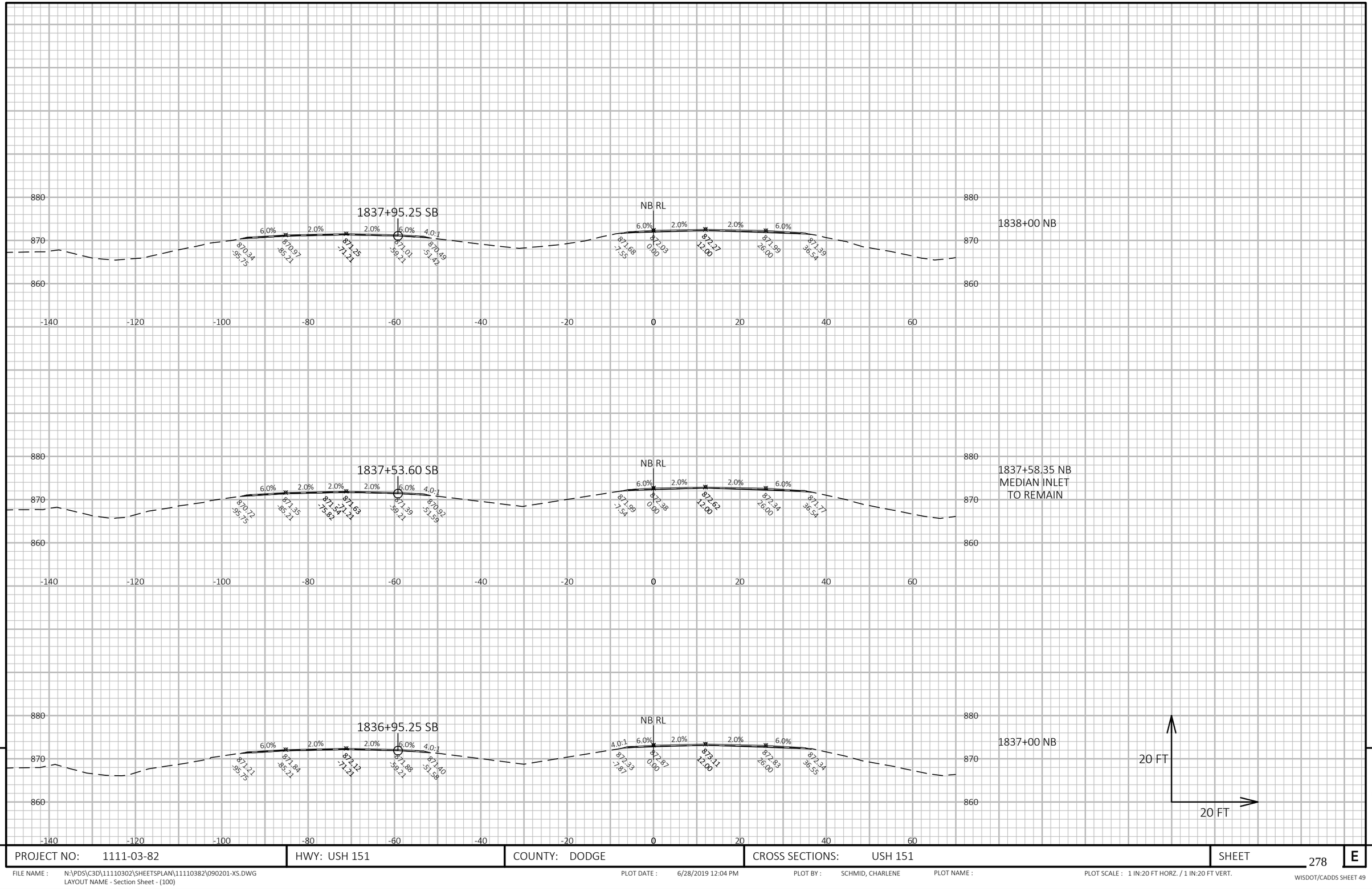
9

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 277	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (99)

PLOT DATE : 6/28/2019 12:04 PM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

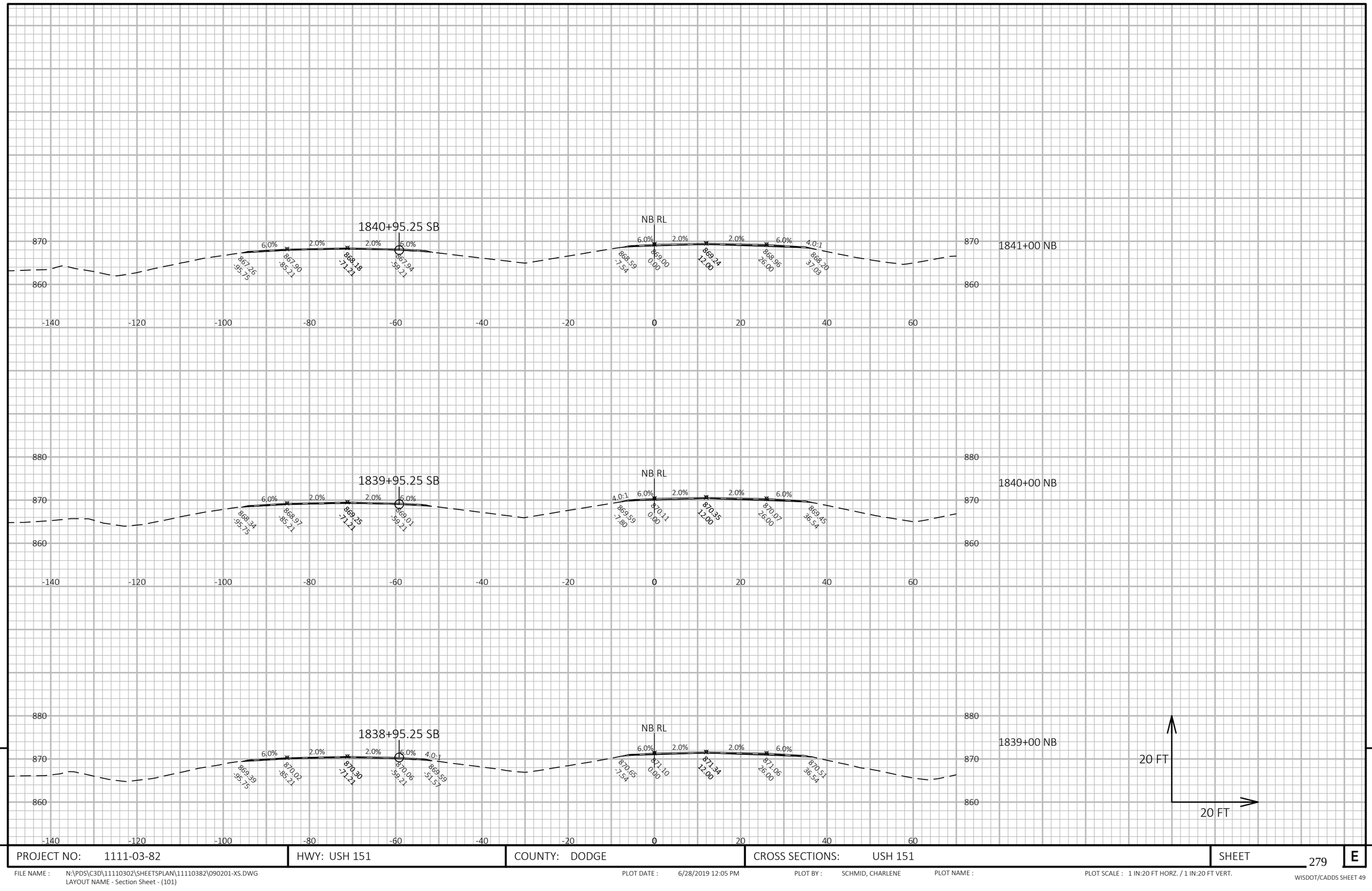


PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 278	E

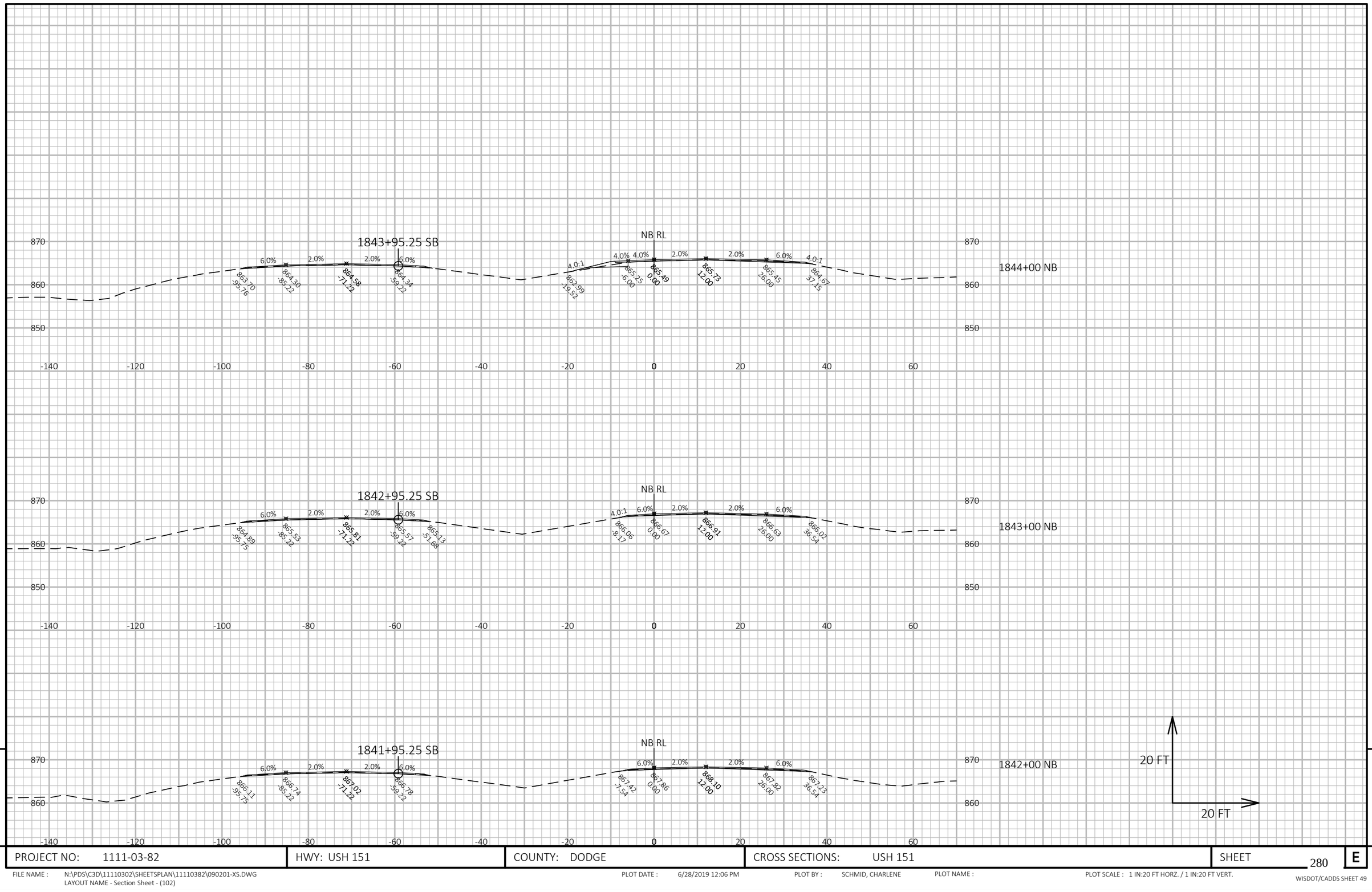
FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (100)

PLOT DATE : 6/28/2019 12:04 PM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 279	E



9

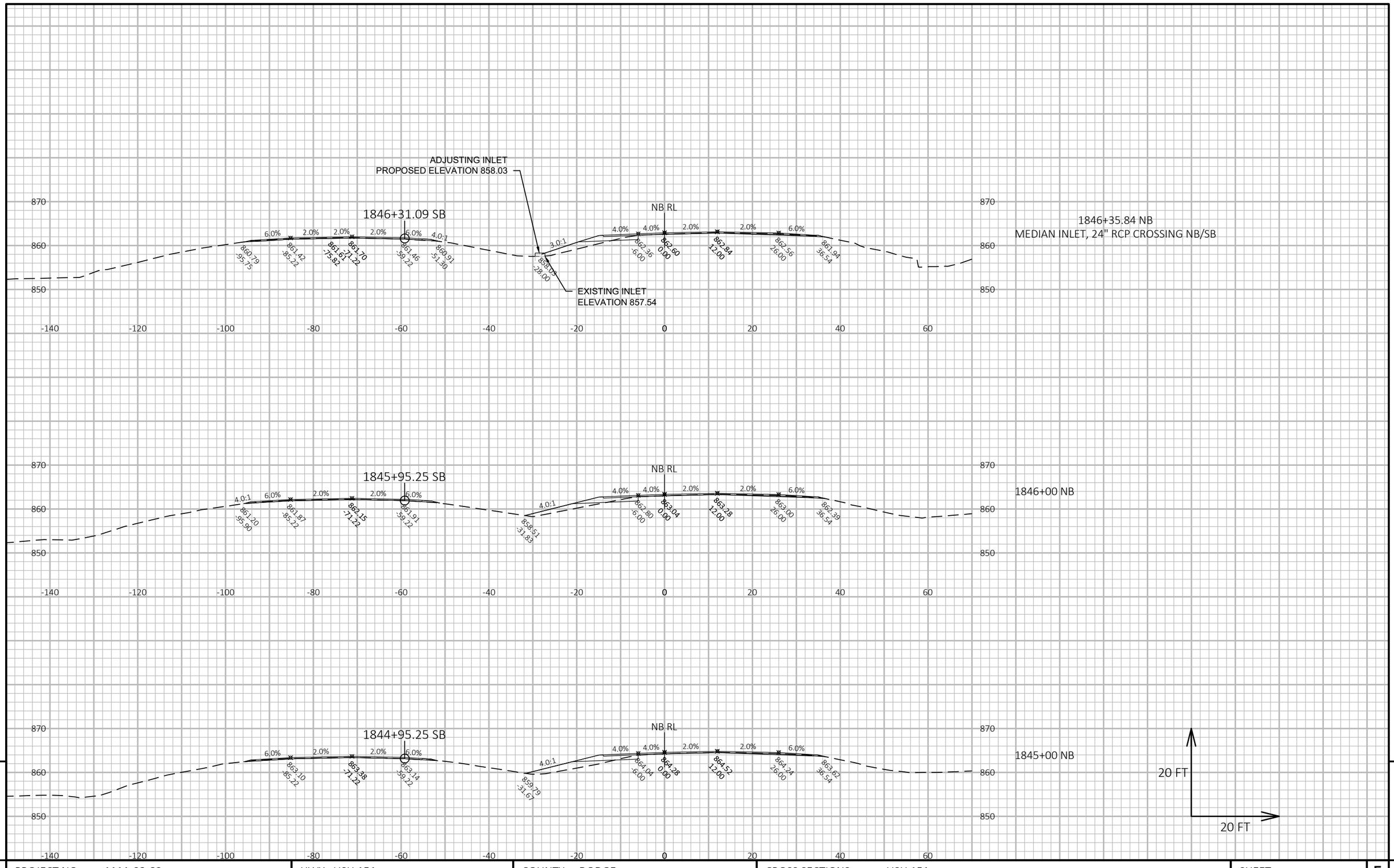
9

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 280	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (102)

PLOT DATE : 6/28/2019 12:06 PM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

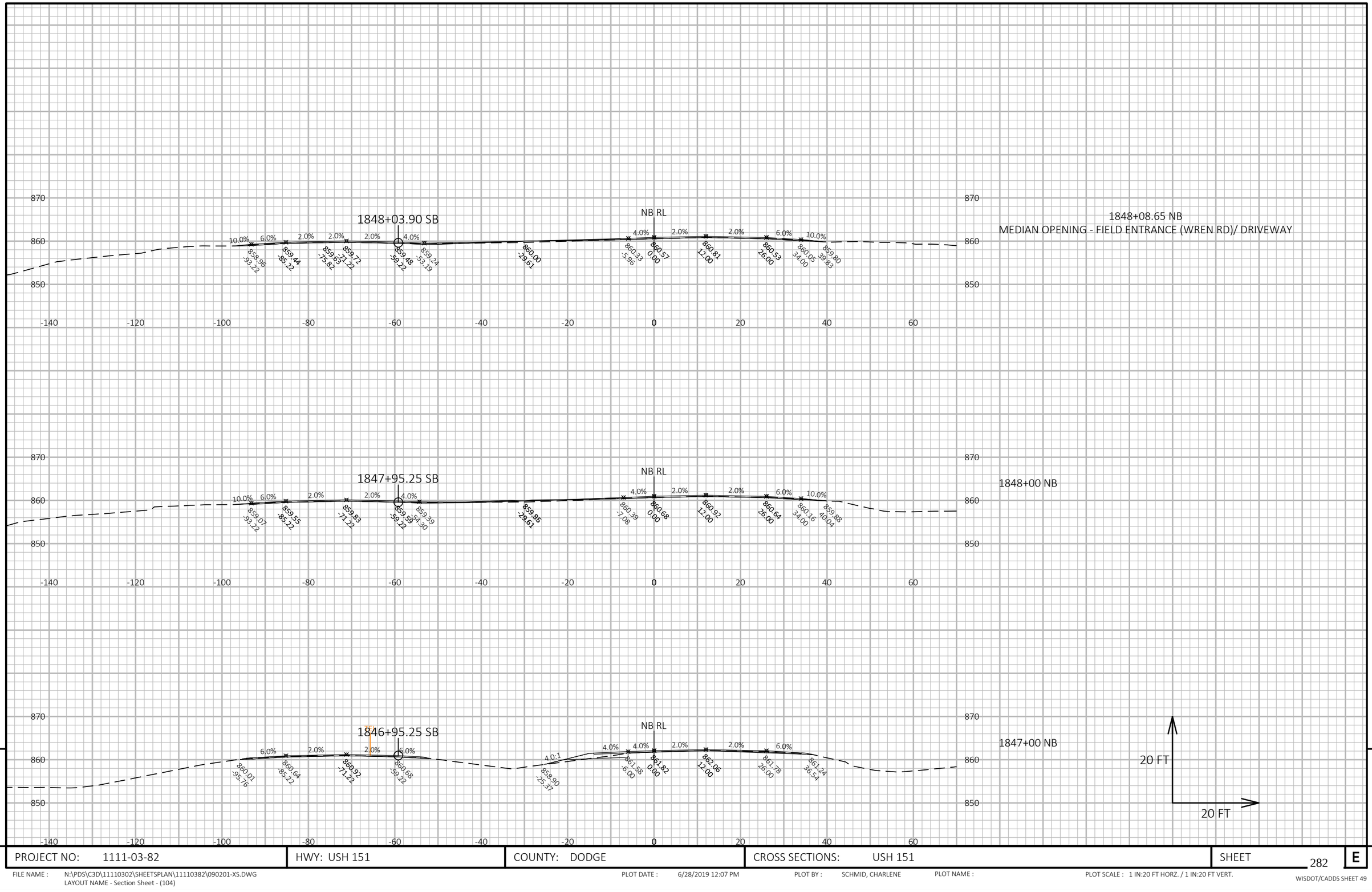


PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 281	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (103)

PLOT DATE : 6/28/2019 12:06 PM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

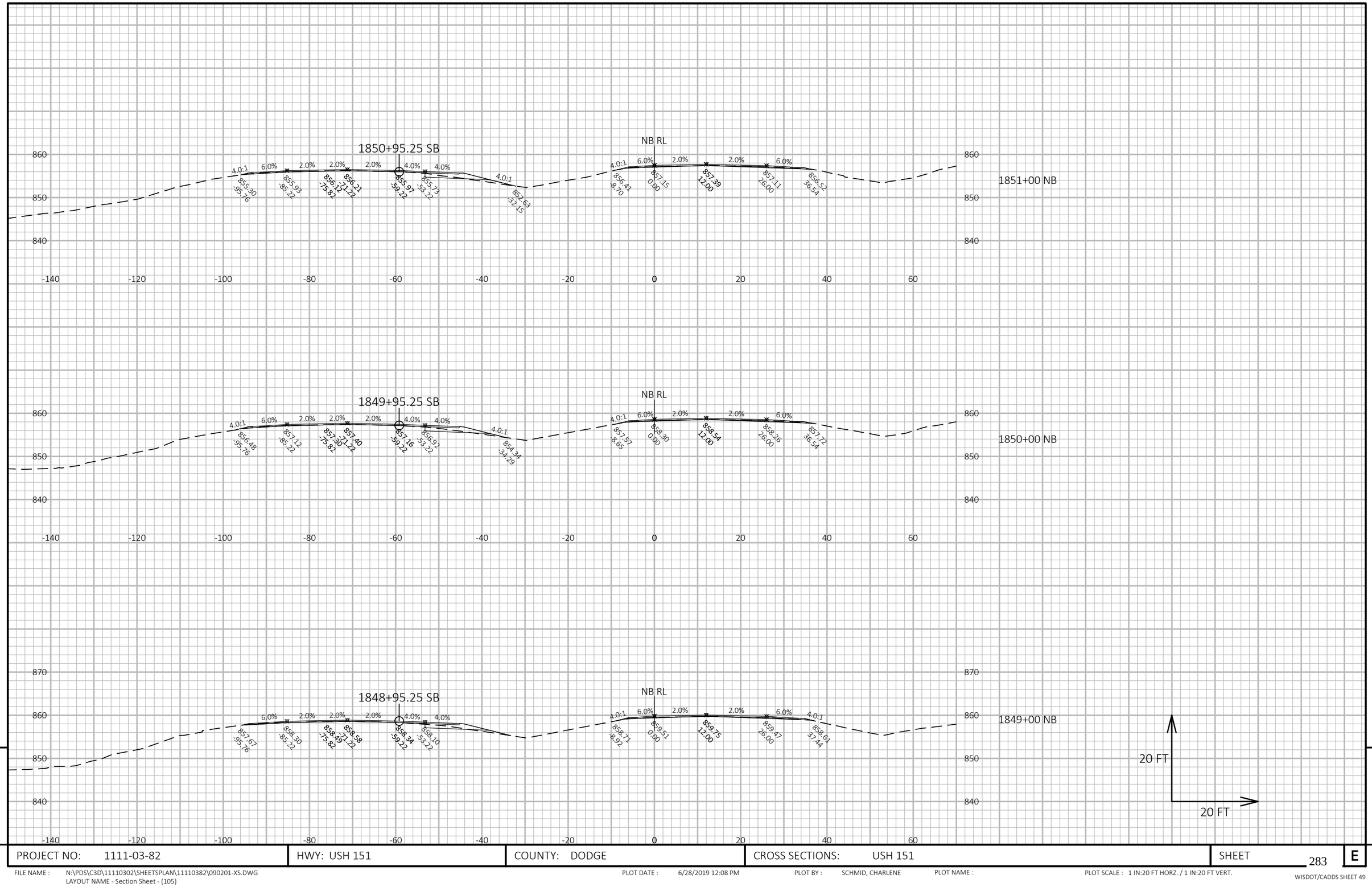


PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 282	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (104)

PLOT DATE : 6/28/2019 12:07 PM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



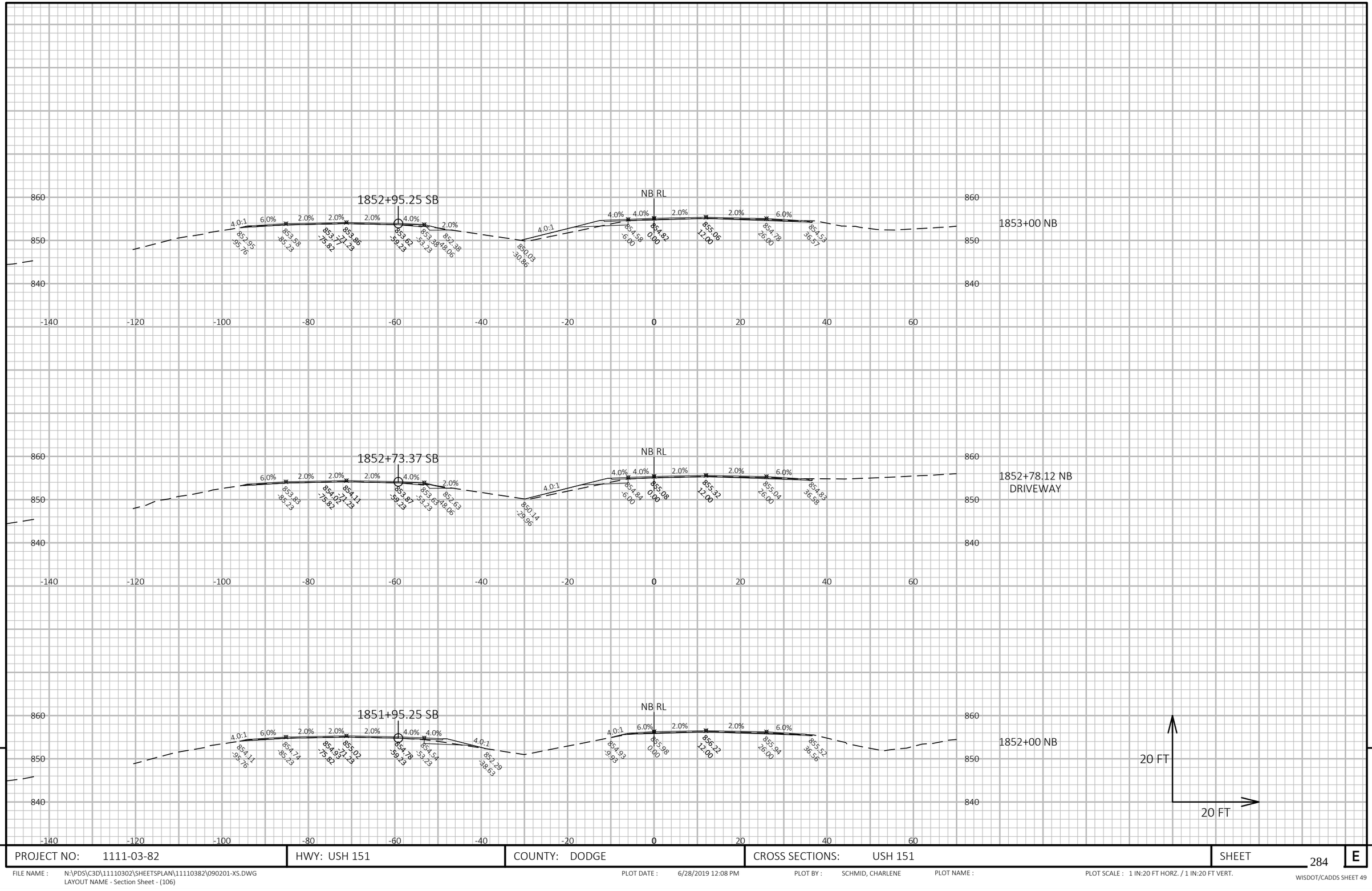
9

9

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 283	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (105)

PLOT DATE : 6/28/2019 12:08 PM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

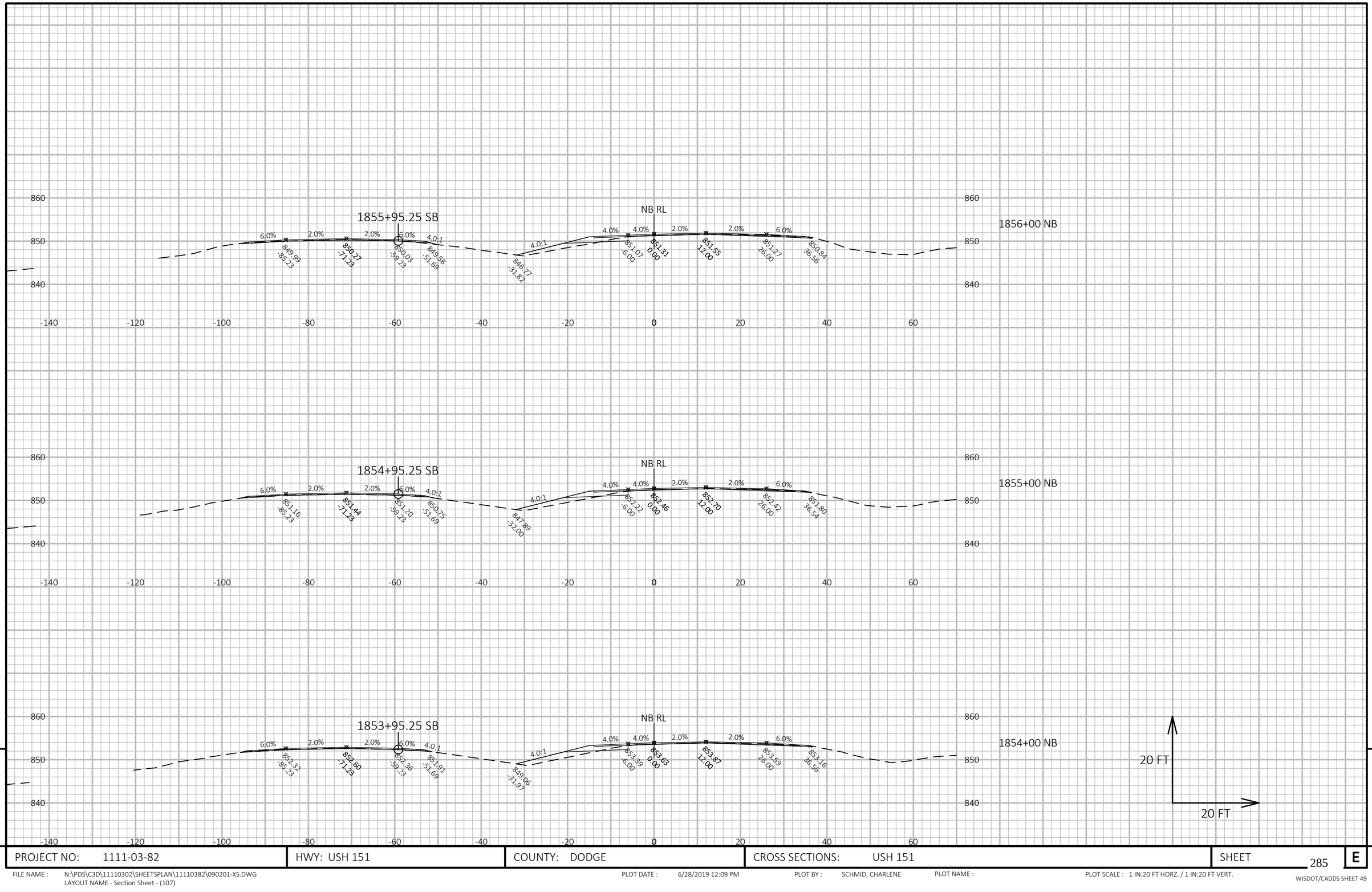
9

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 284	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (106)

PLOT DATE : 6/28/2019 12:08 PM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

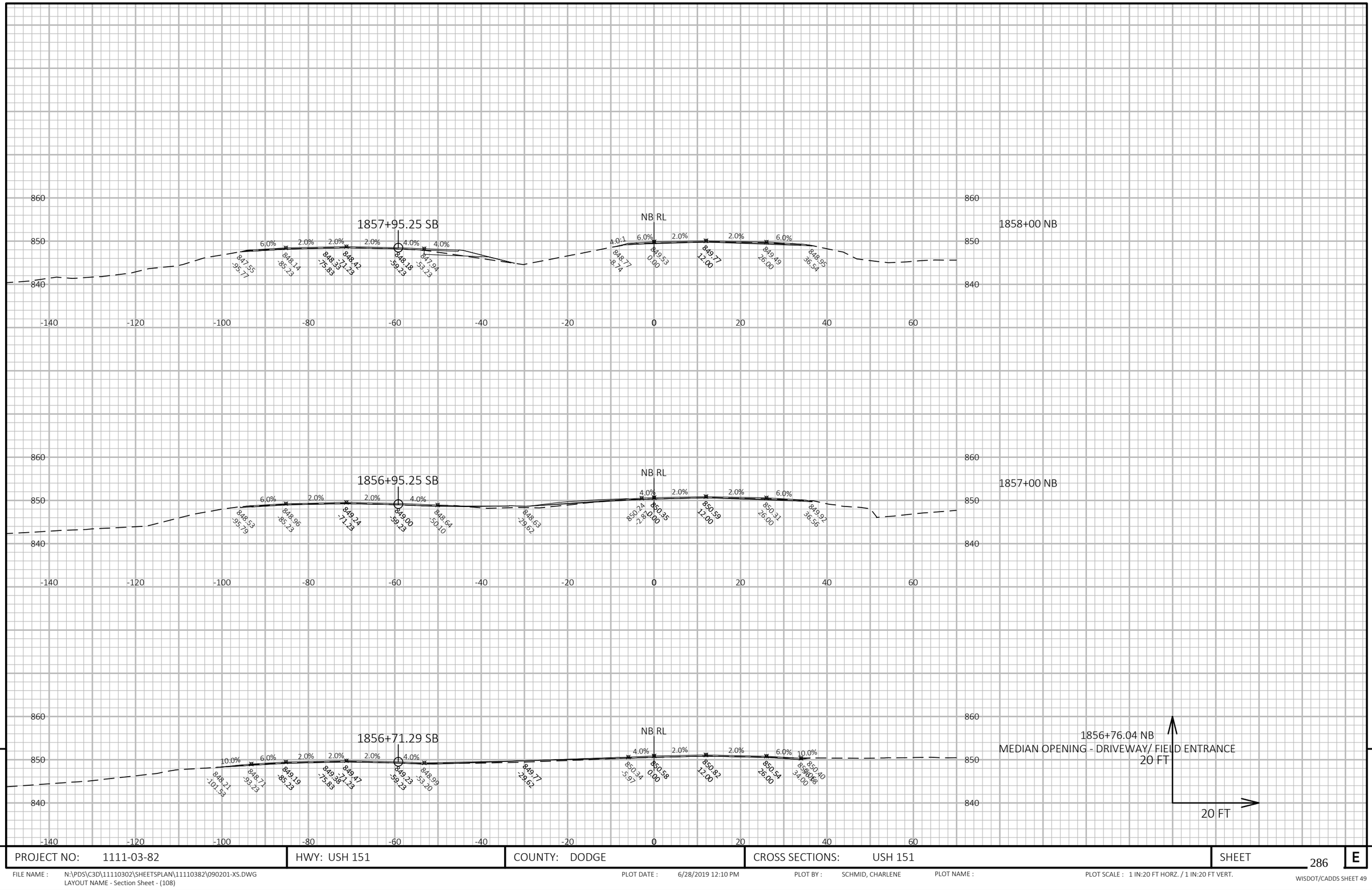
9

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 285	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (107)

PLOT DATE : 6/28/2019 12:09 PM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

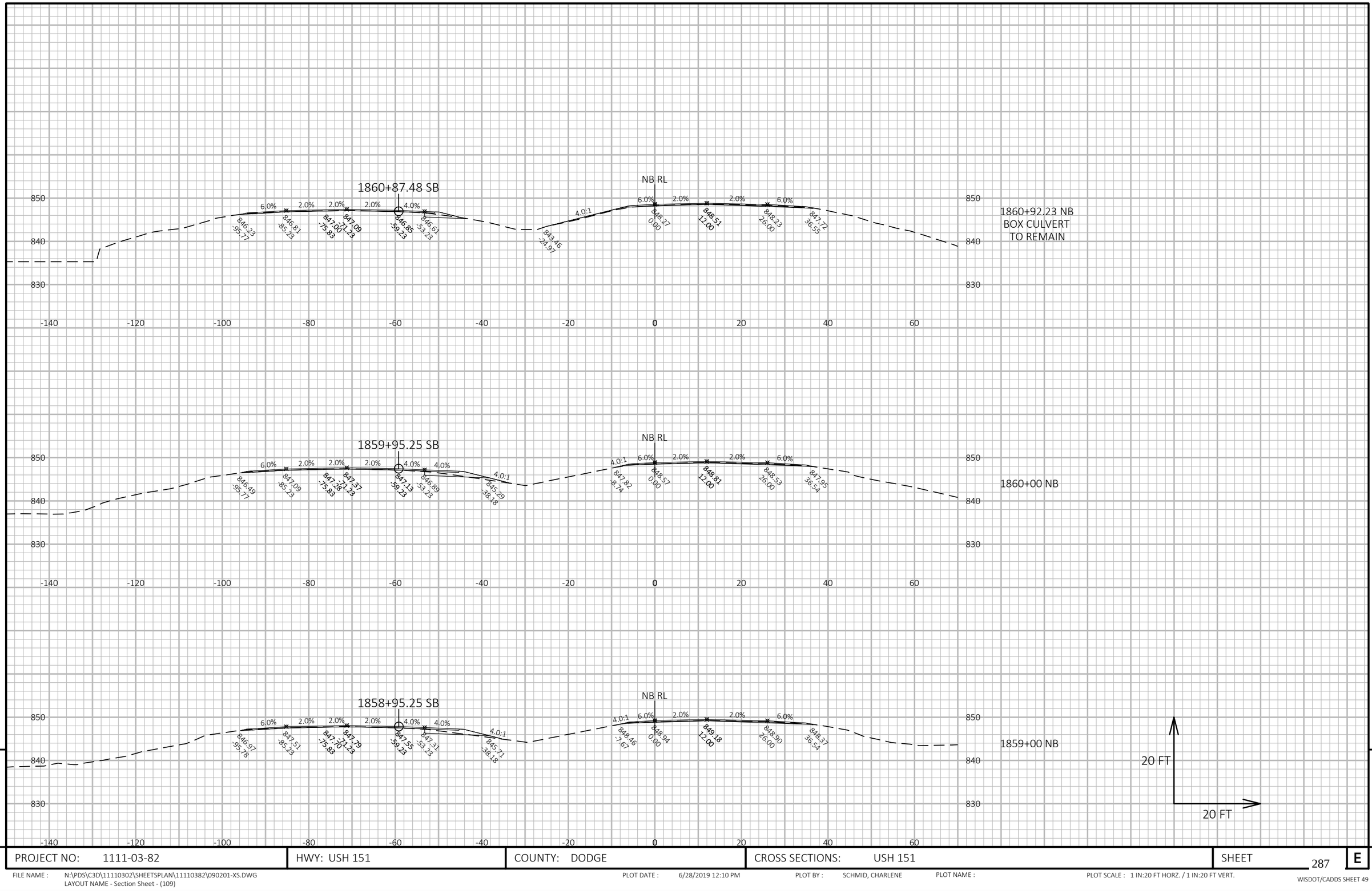


PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 286	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (108)

PLOT DATE : 6/28/2019 12:10 PM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 287	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (109)

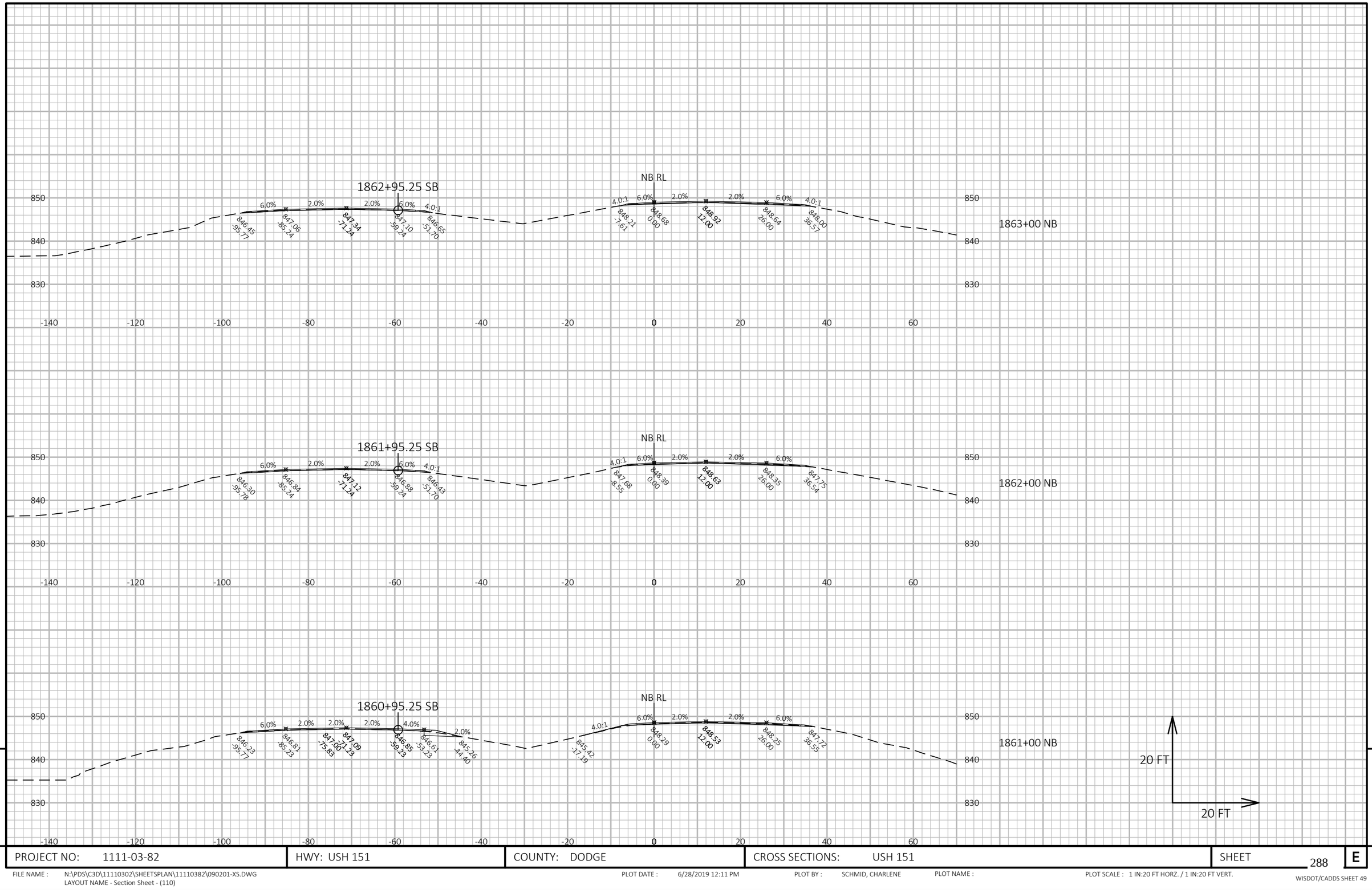
PLOT DATE : 6/28/2019 12:10 PM

PLOT BY : SCHMID, CHARLENE

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 288	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (110)

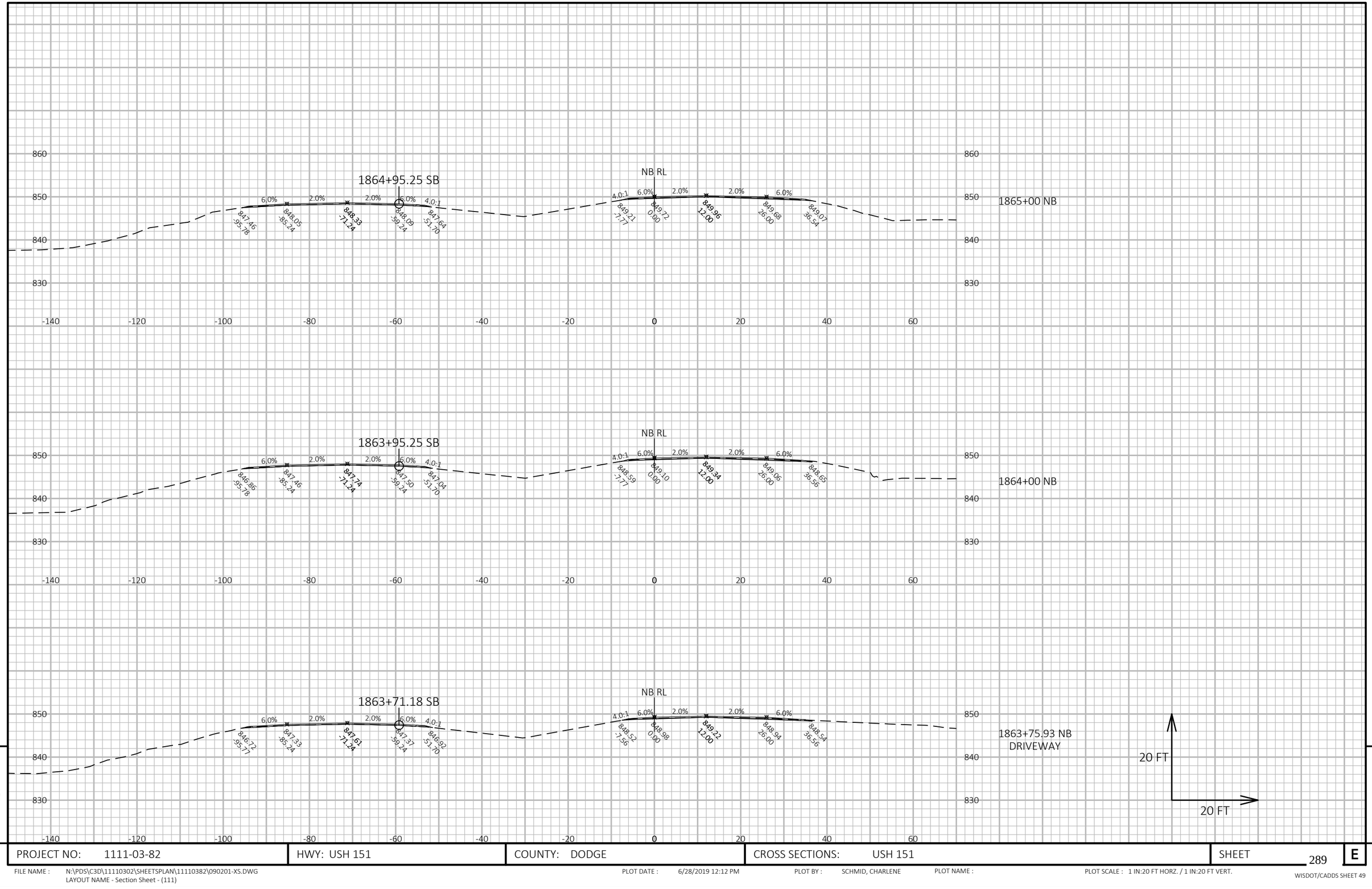
PLOT DATE : 6/28/2019 12:11 PM

PLOT BY : SCHMID, CHARLENE

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

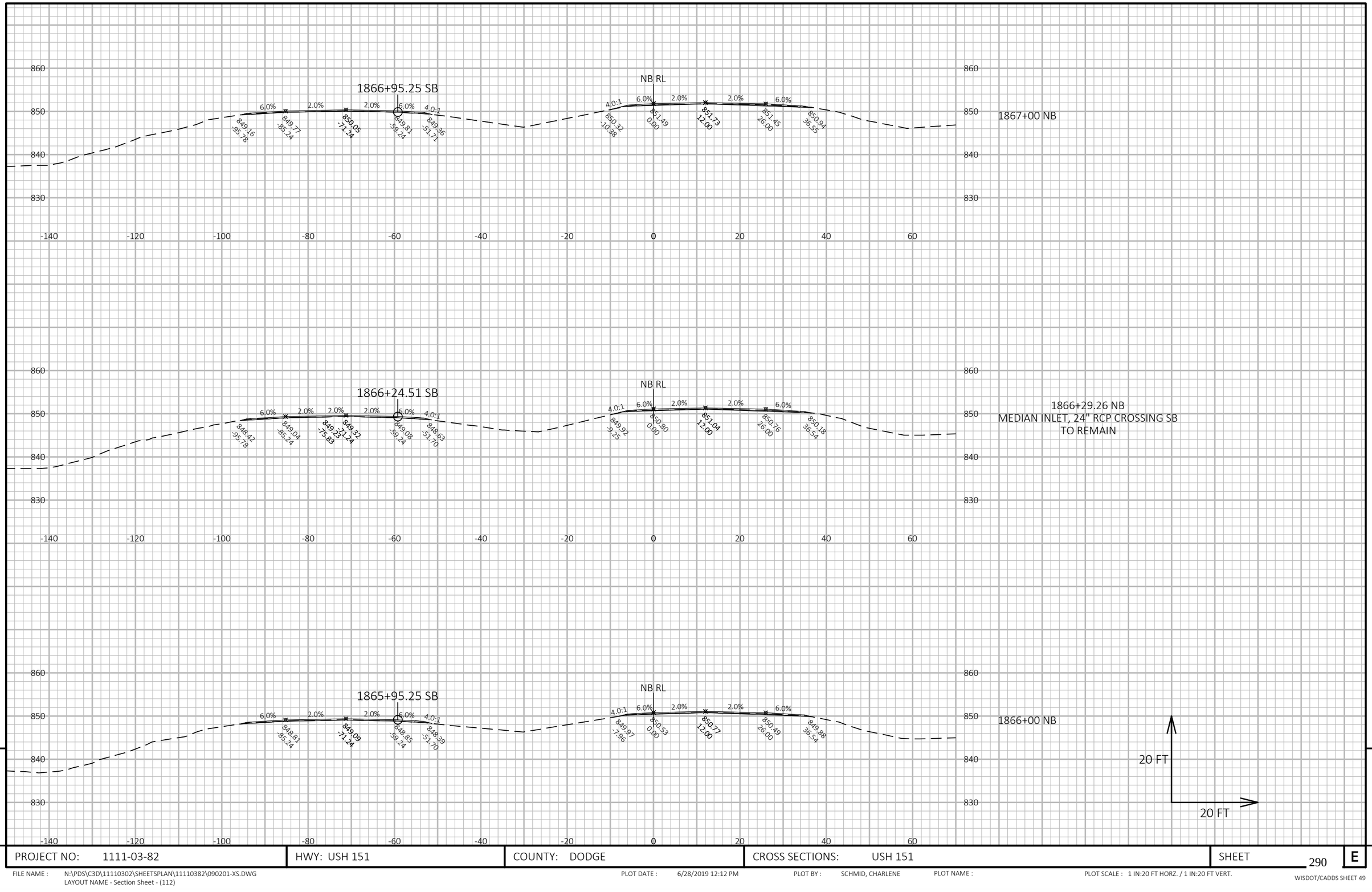


9

9

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 289	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (111)
PLOT DATE : 6/28/2019 12:12 PM
PLOT BY : SCHMID, CHARLENE
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49



9

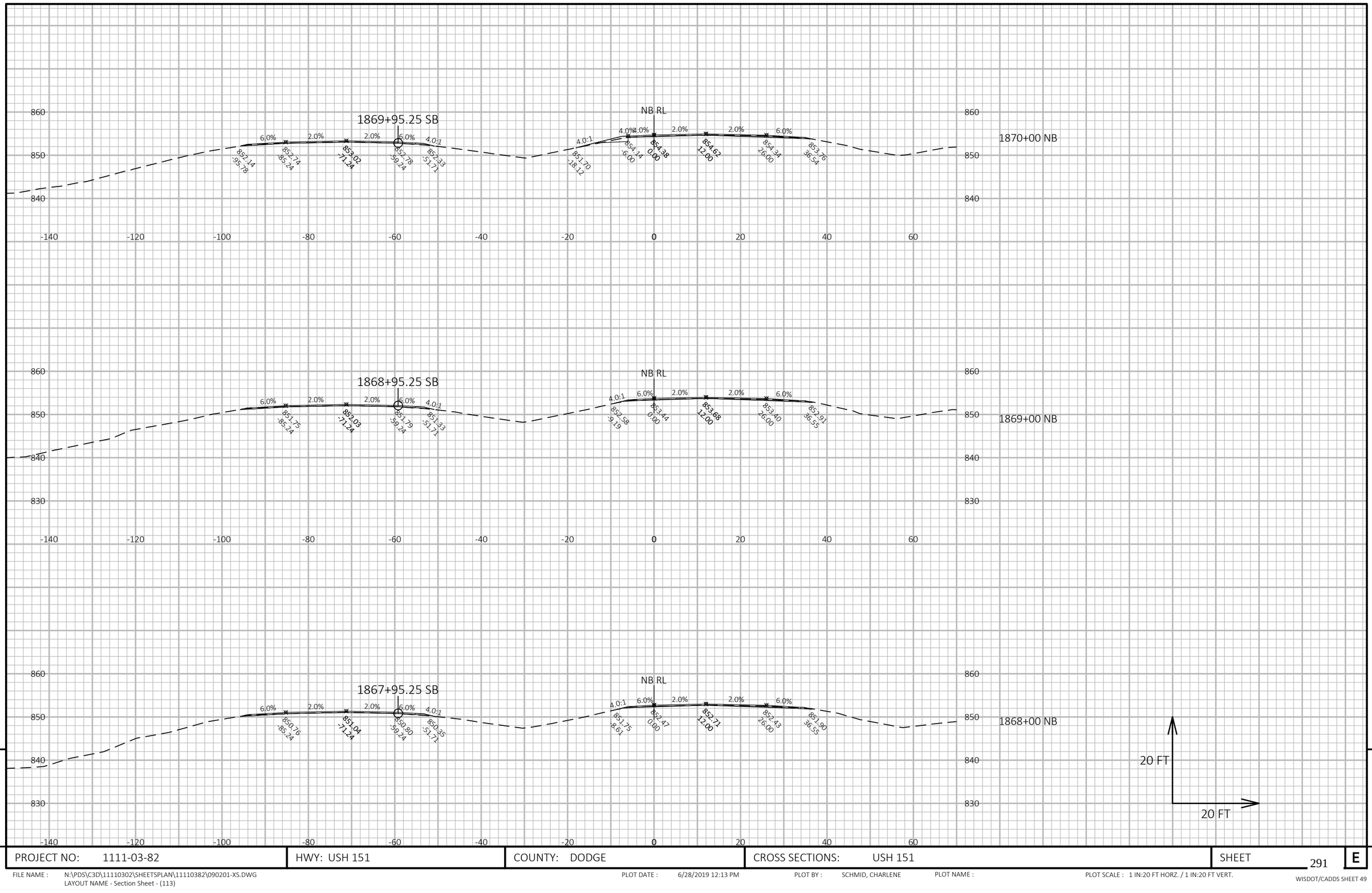
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PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 290	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (112)

PLOT DATE : 6/28/2019 12:12 PM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

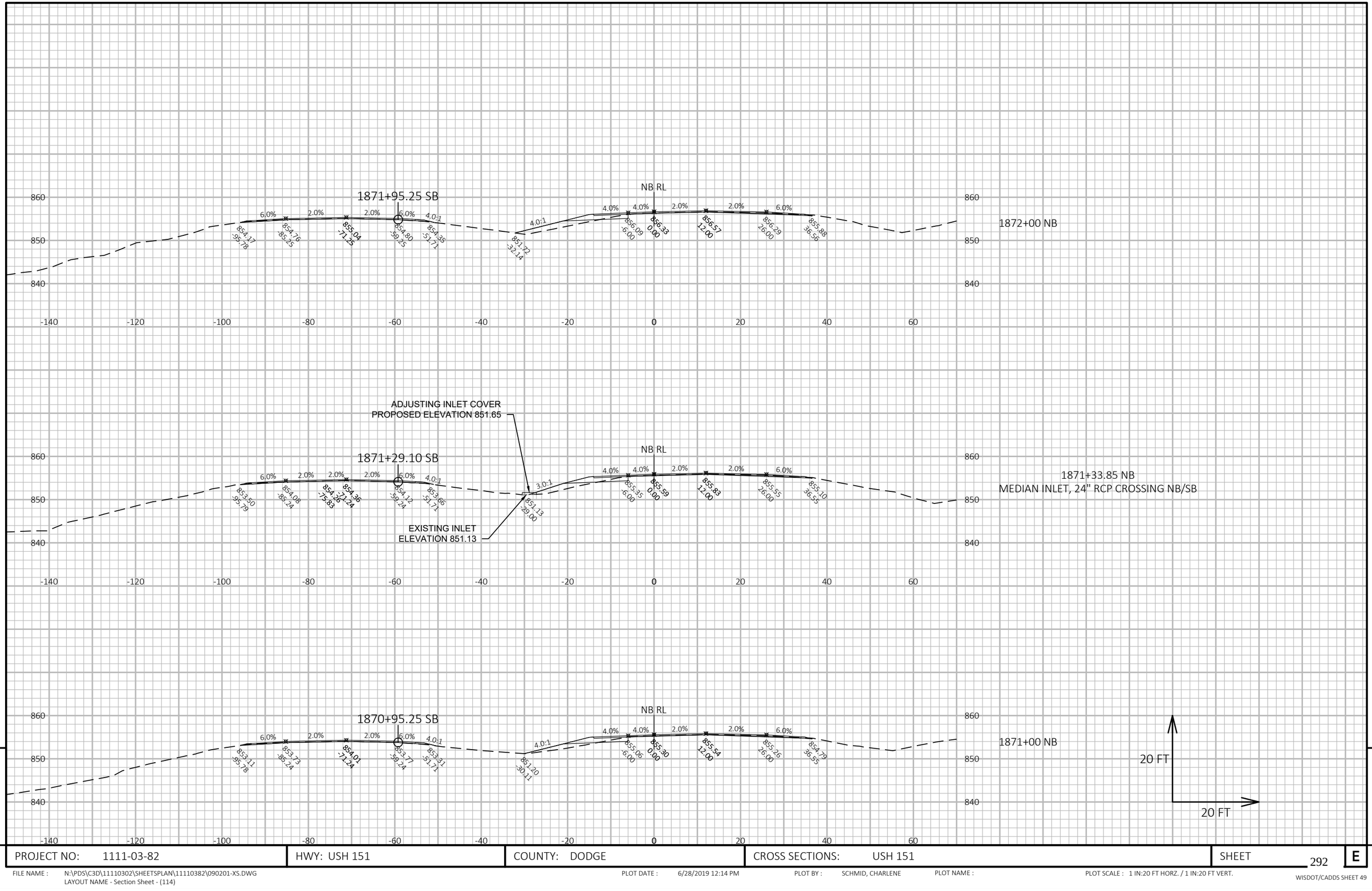


PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 291	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (113)

PLOT DATE : 6/28/2019 12:13 PM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

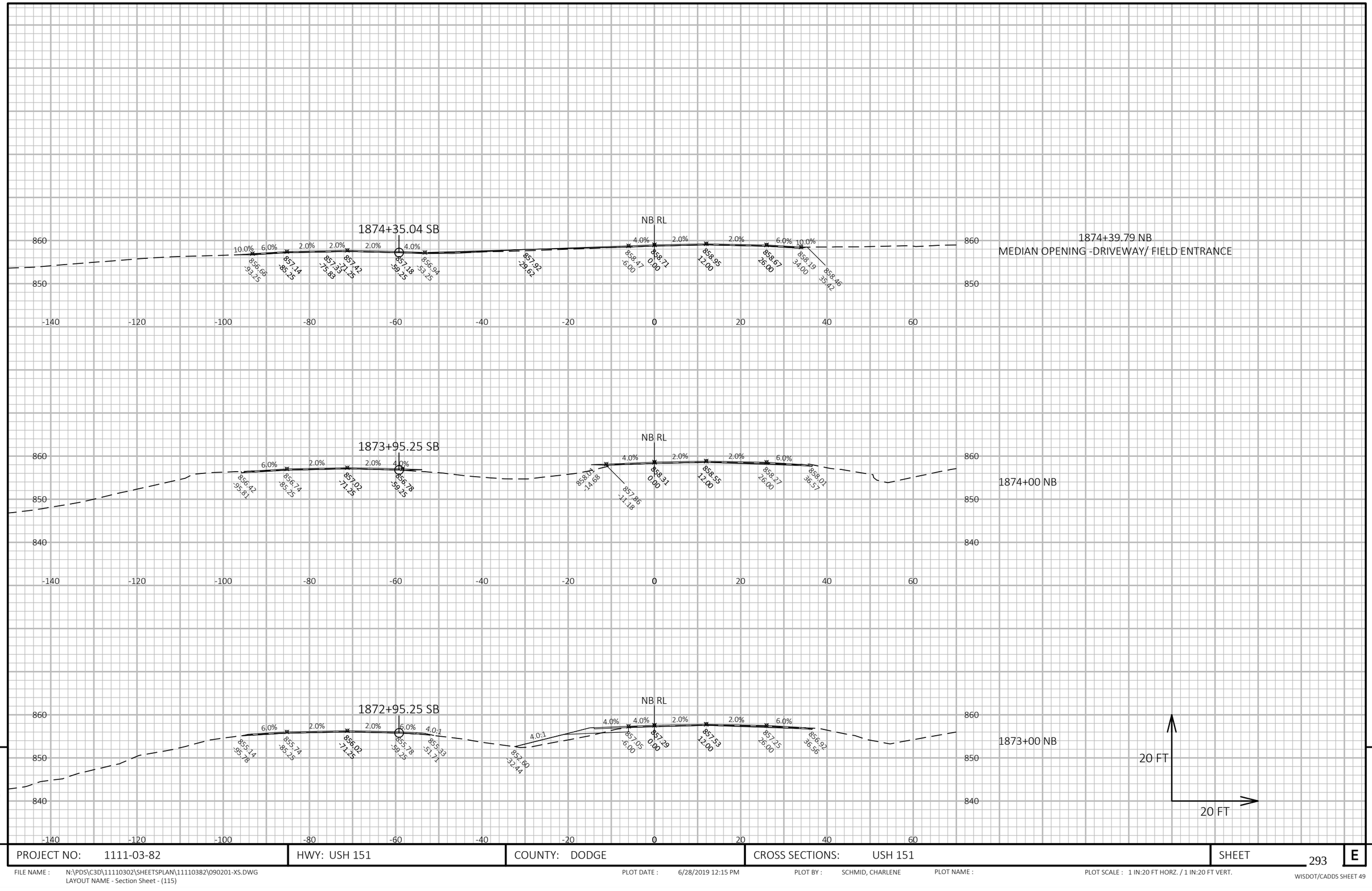


PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 292	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (114)

PLOT DATE : 6/28/2019 12:14 PM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 293	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (115)

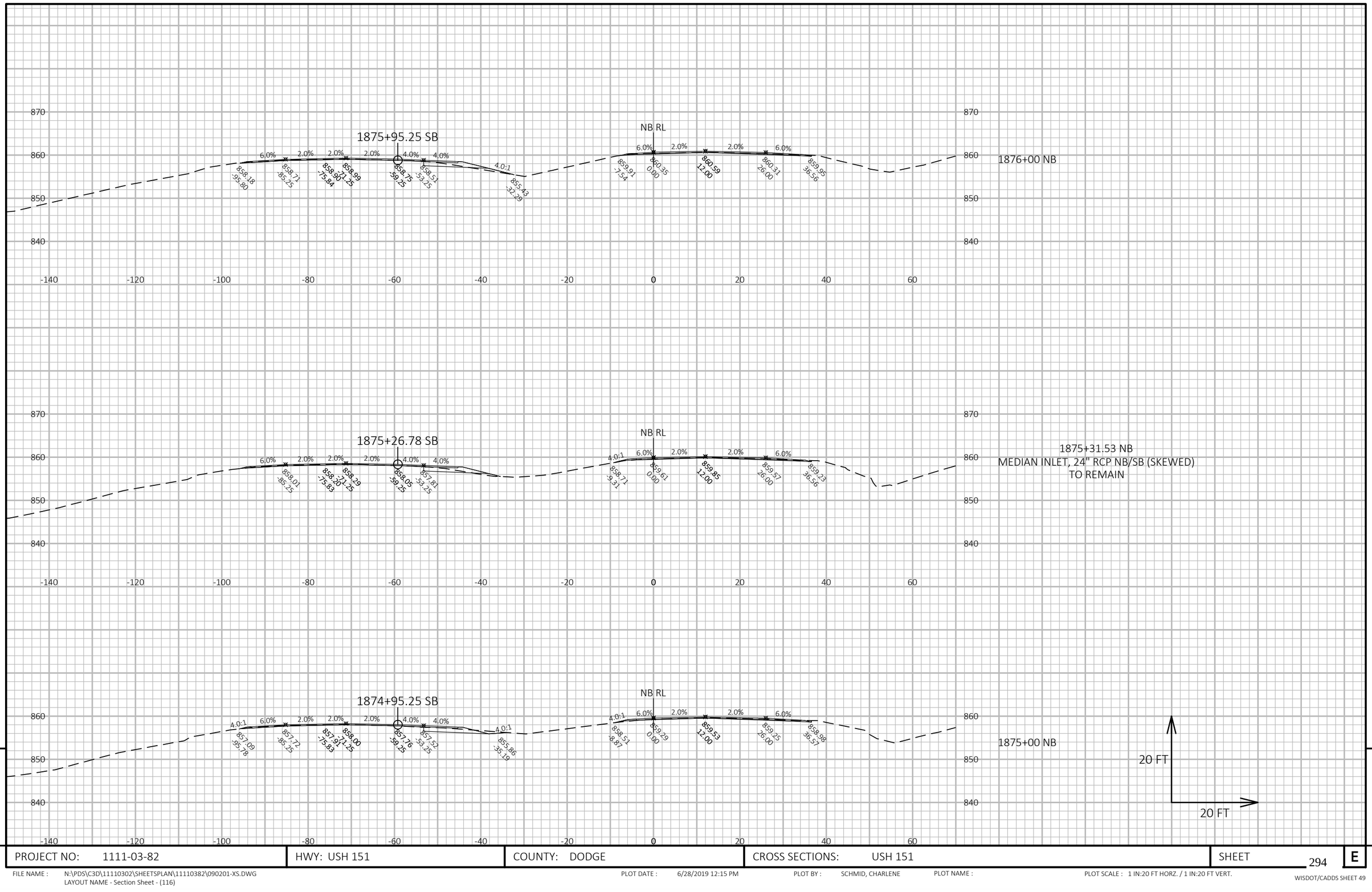
PLOT DATE : 6/28/2019 12:15 PM

PLOT BY : SCHMID, CHARLENE

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

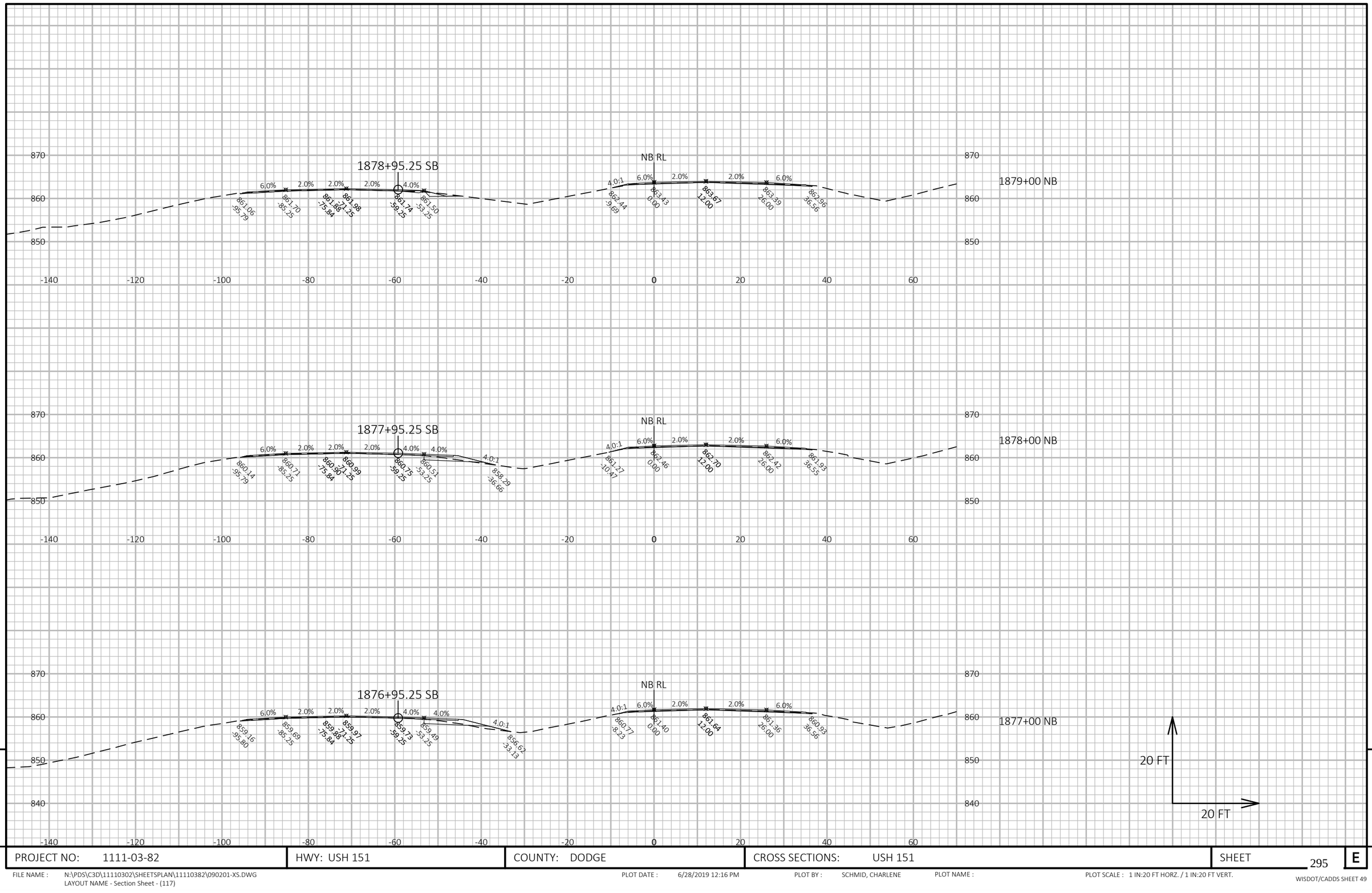
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PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 294	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (116)

PLOT DATE : 6/28/2019 12:15 PM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

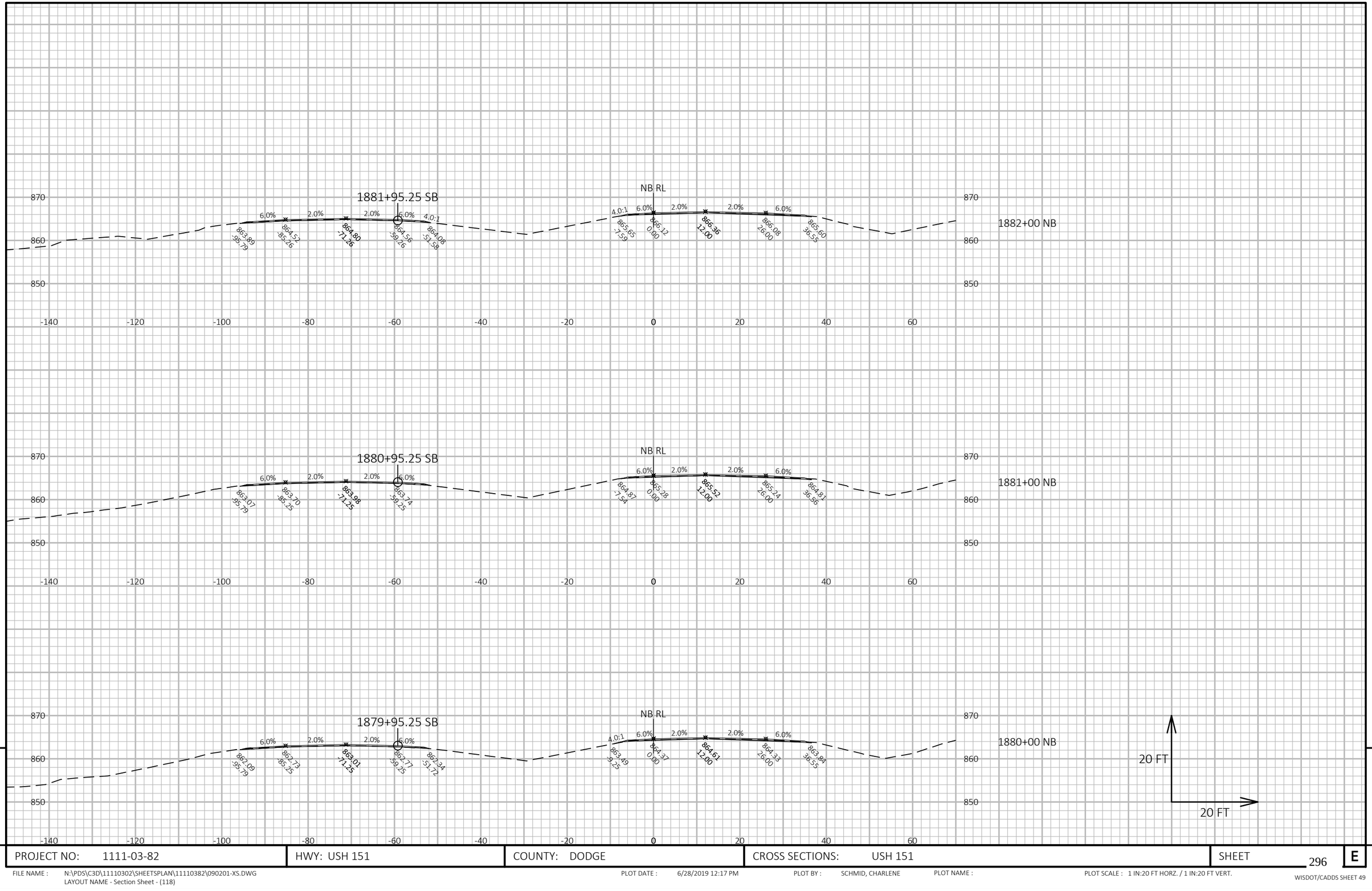
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PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 295	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (117)

PLOT DATE : 6/28/2019 12:16 PM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

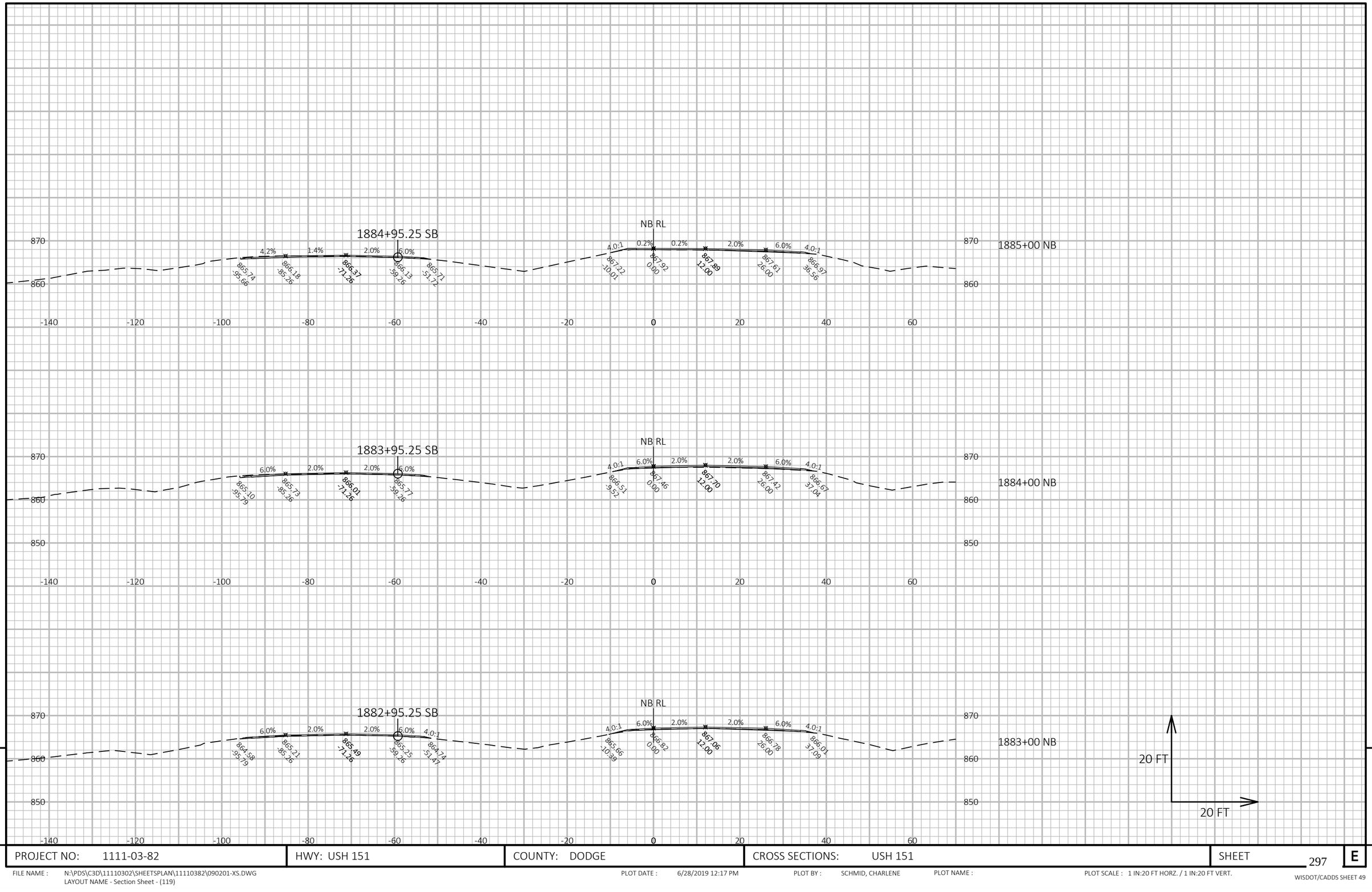


PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 296	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (118)

PLOT DATE : 6/28/2019 12:17 PM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

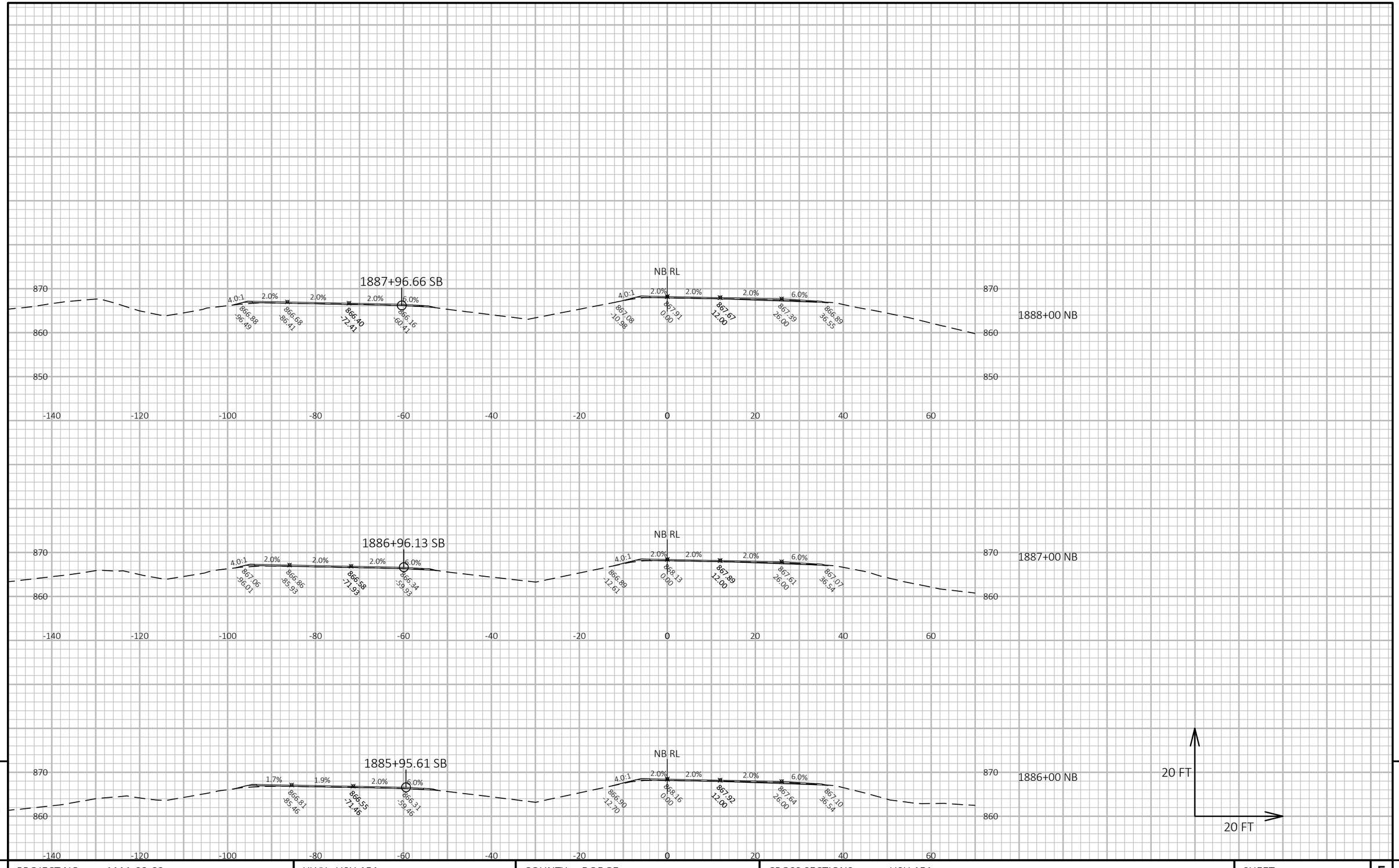
9

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 297	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (119)

PLOT DATE : 6/28/2019 12:17 PM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



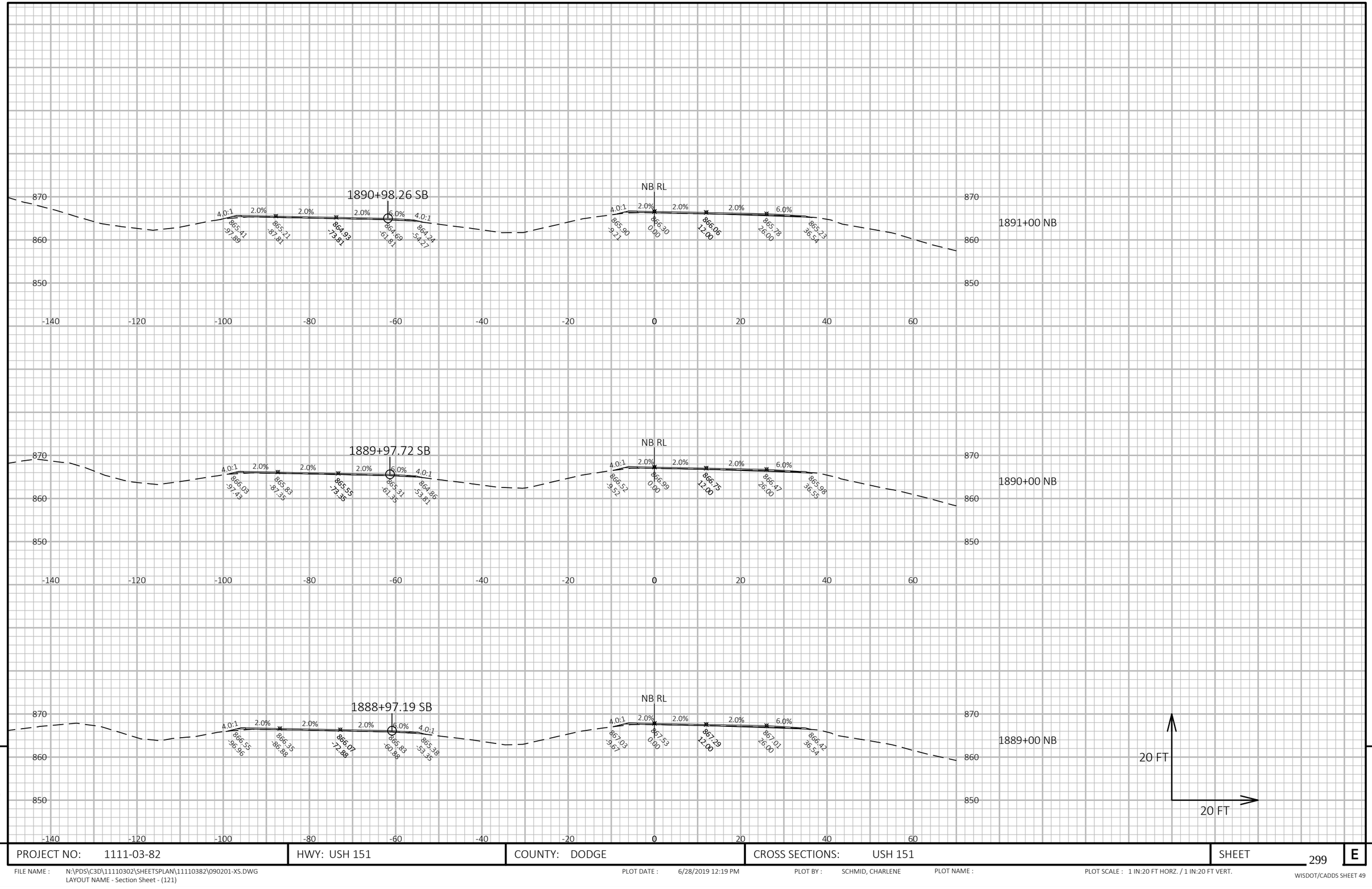
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9

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 298	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (120)

PLOT DATE : 6/28/2019 12:18 PM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

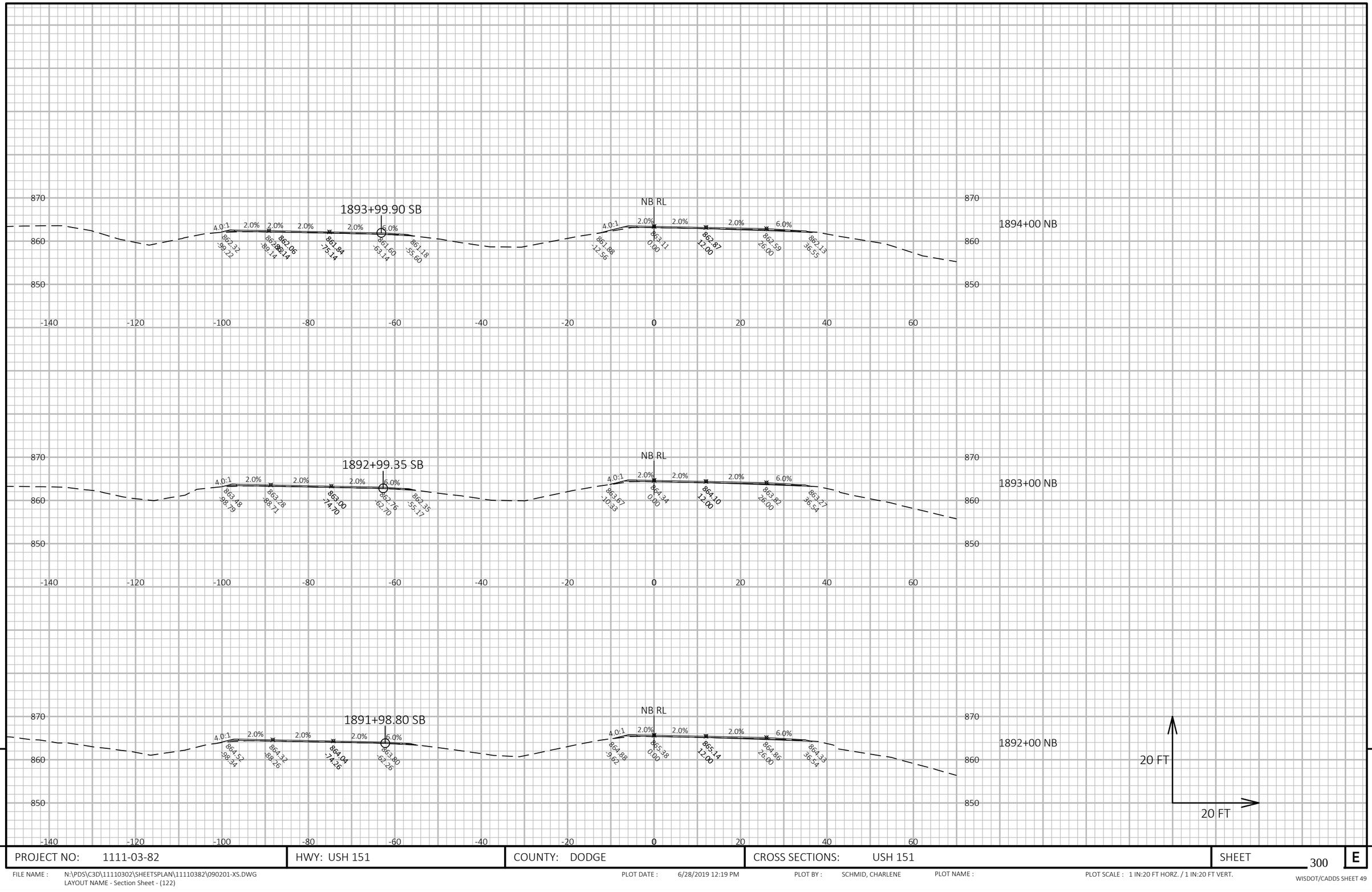
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PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 299	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (121)

PLOT DATE : 6/28/2019 12:19 PM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

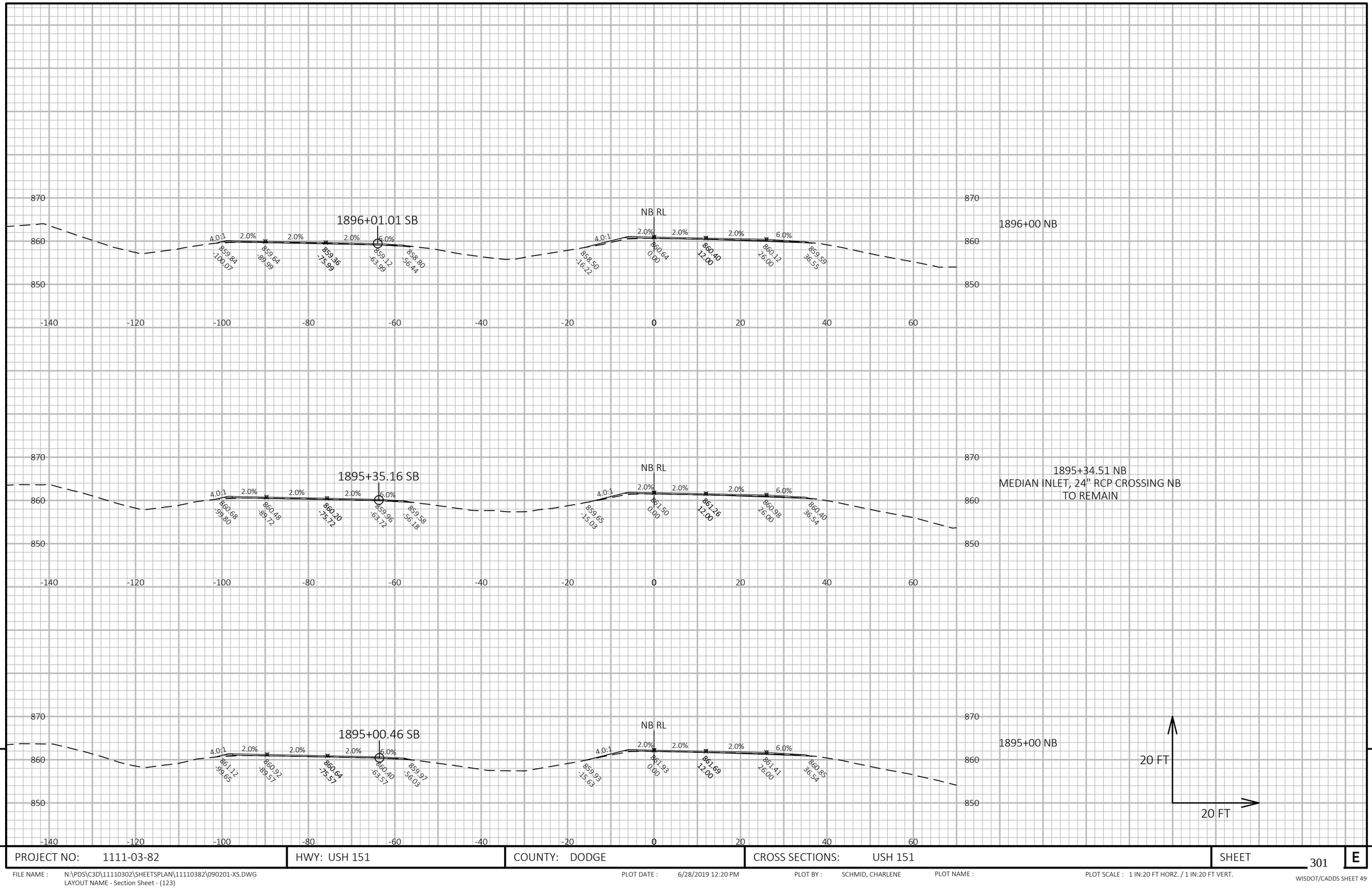
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PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 300	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (122)

PLOT DATE : 6/28/2019 12:19 PM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

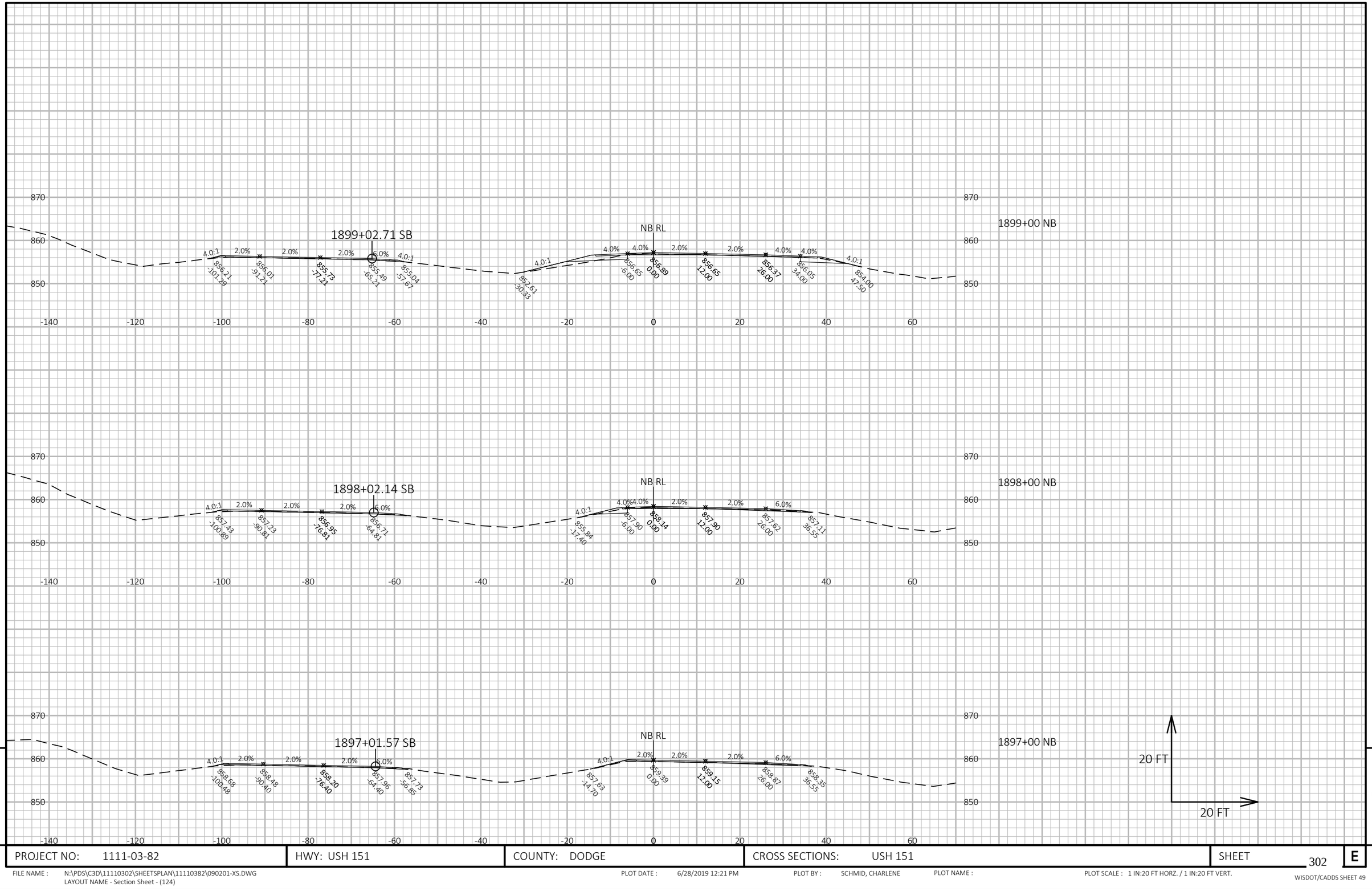
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PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 301	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (123)

PLOT DATE : 6/28/2019 12:20 PM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

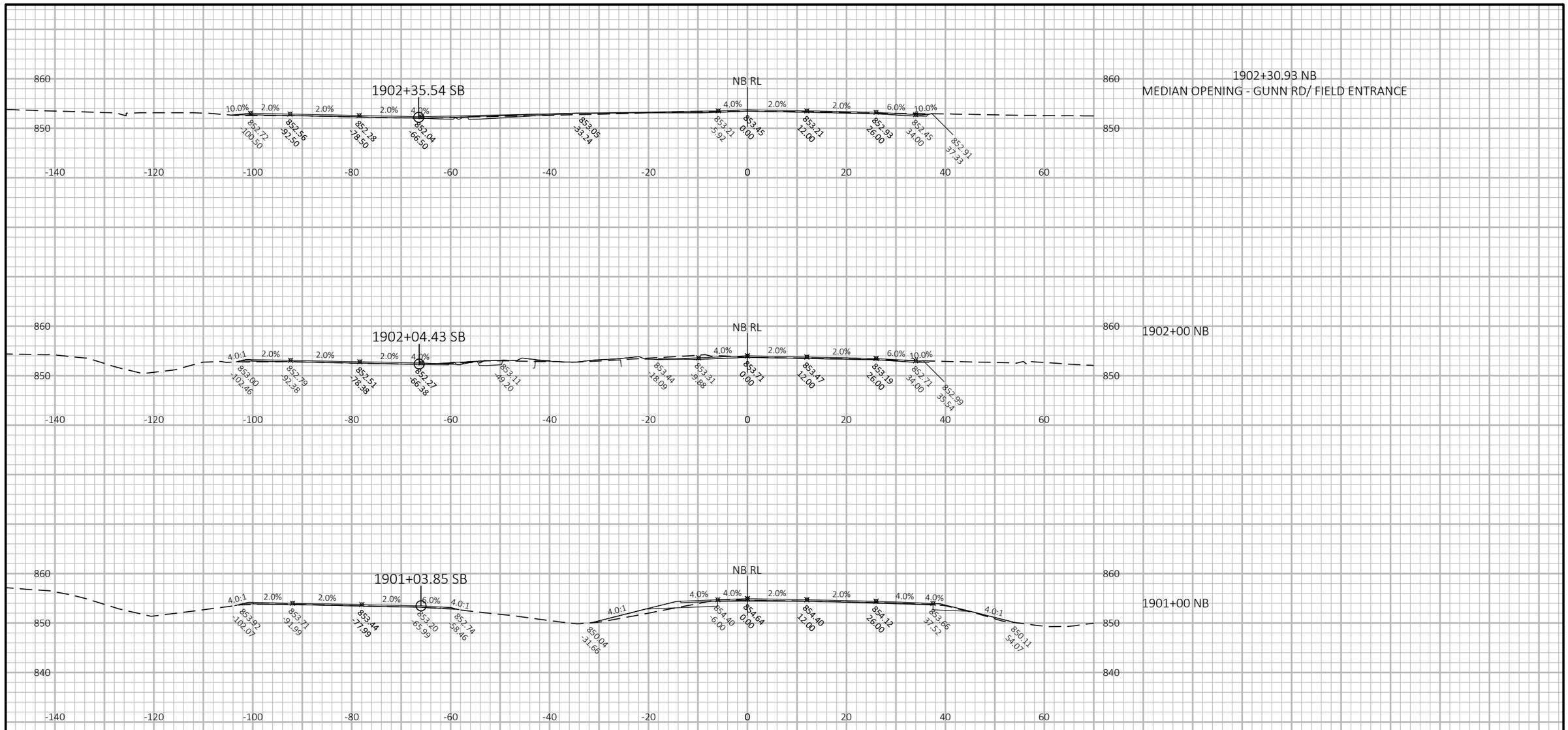
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PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 302	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (124)

PLOT DATE : 6/28/2019 12:21 PM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

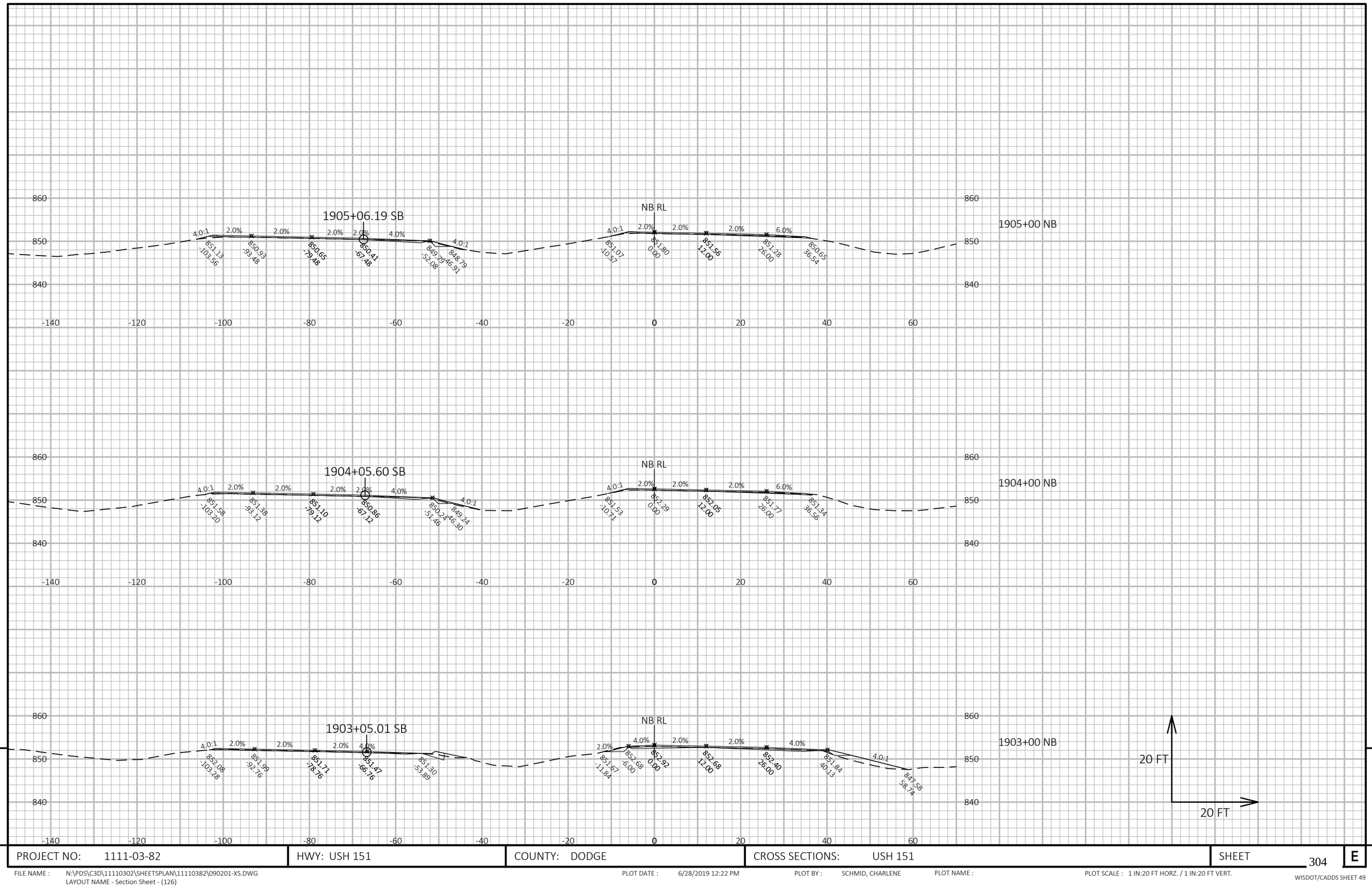


PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 303	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (125)

PLOT DATE : 6/28/2019 12:21 PM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

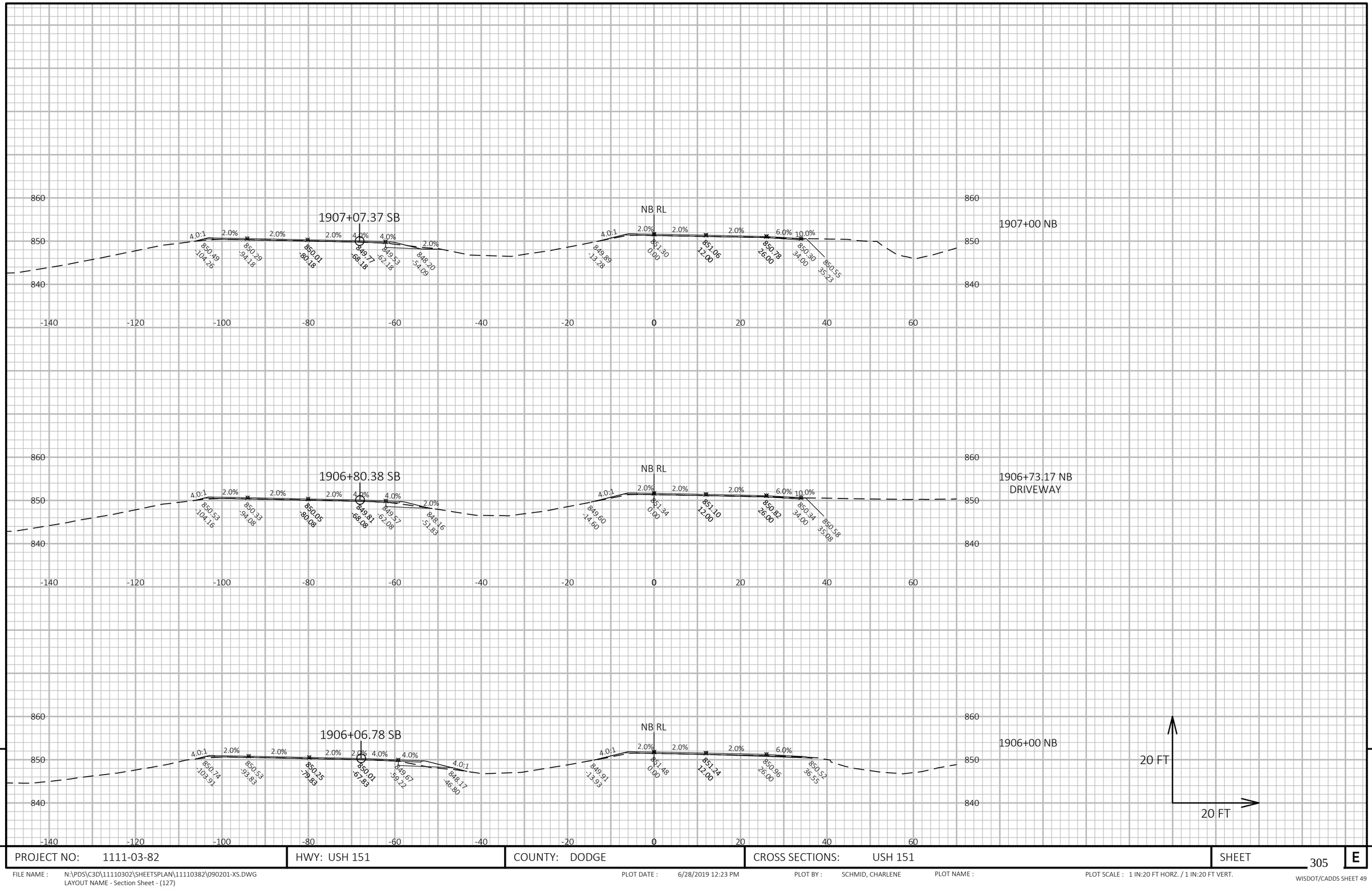


PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 304	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (126)

PLOT DATE : 6/28/2019 12:22 PM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

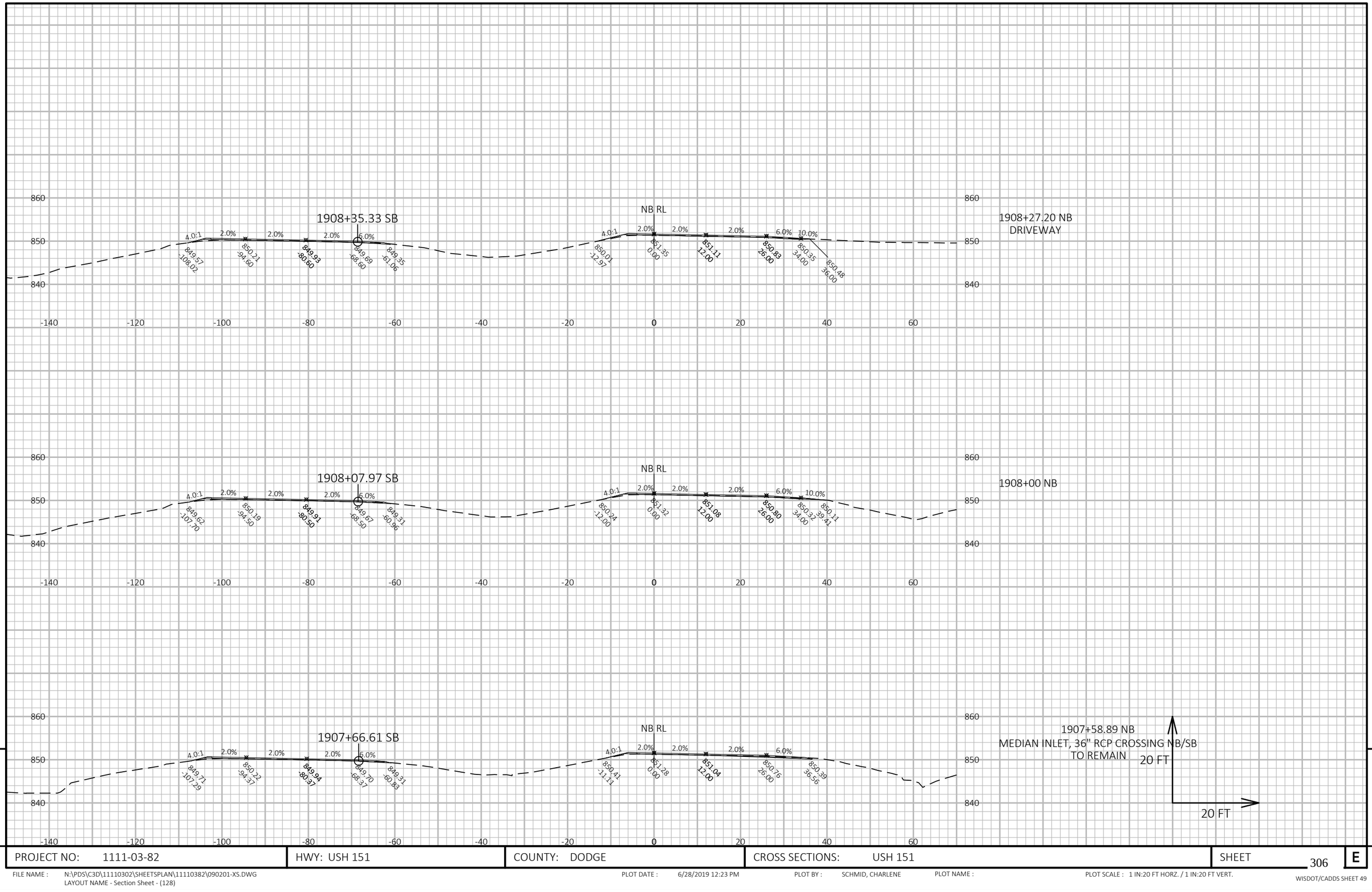


PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 305	E

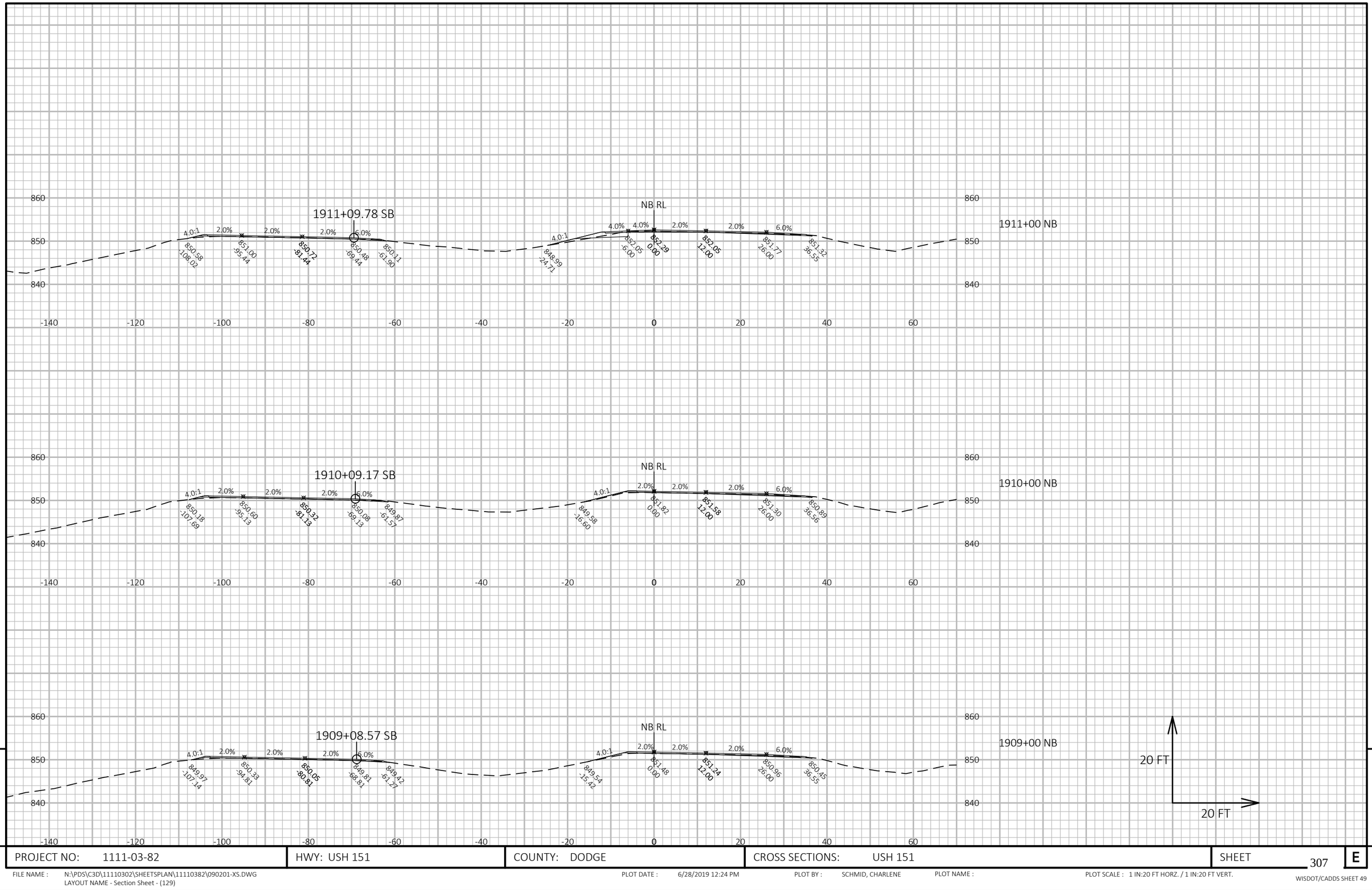
FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (127)

PLOT DATE : 6/28/2019 12:23 PM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 306	E

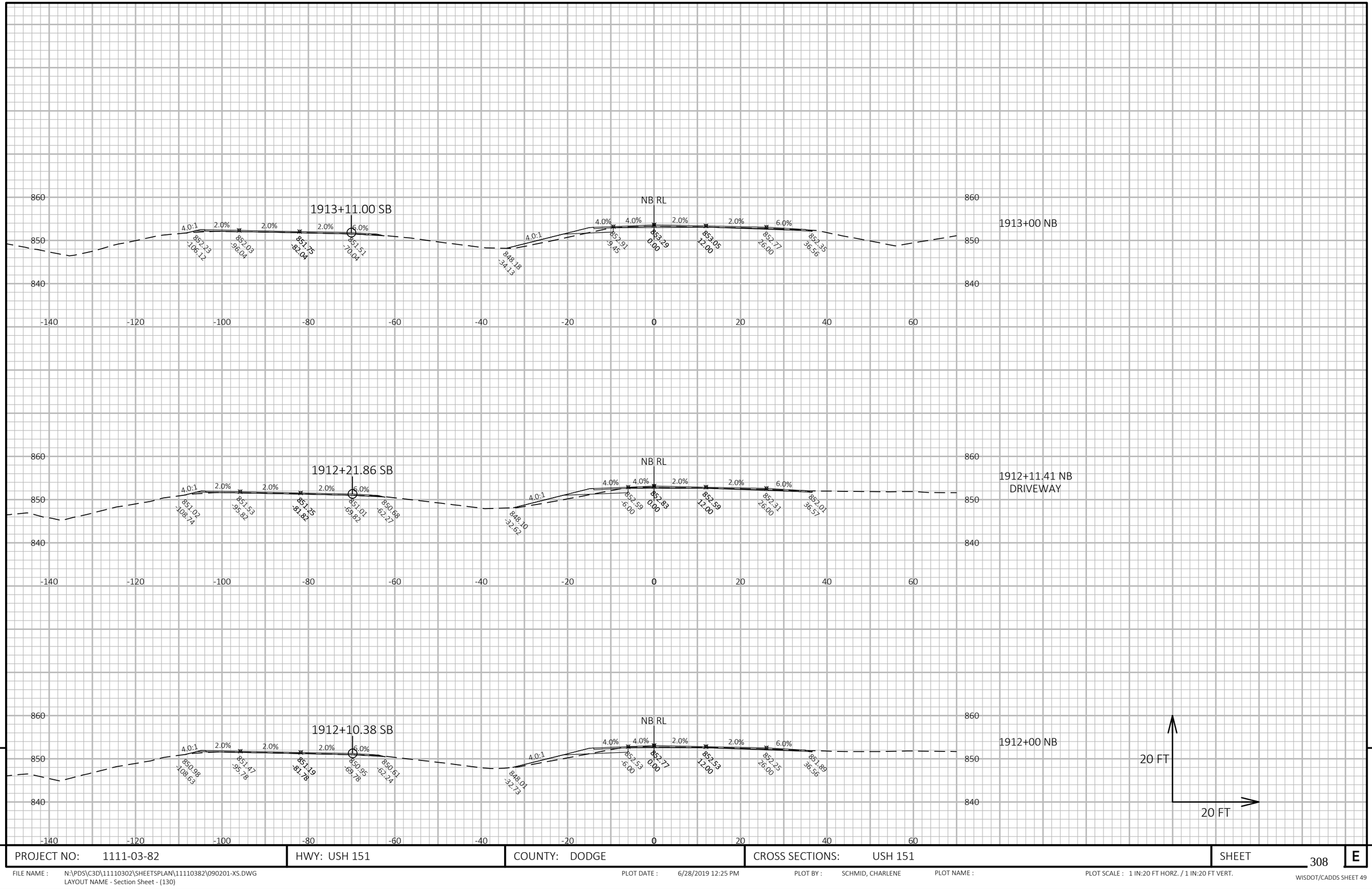


PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 307	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (129)

PLOT DATE : 6/28/2019 12:24 PM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

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PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 308	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (130)

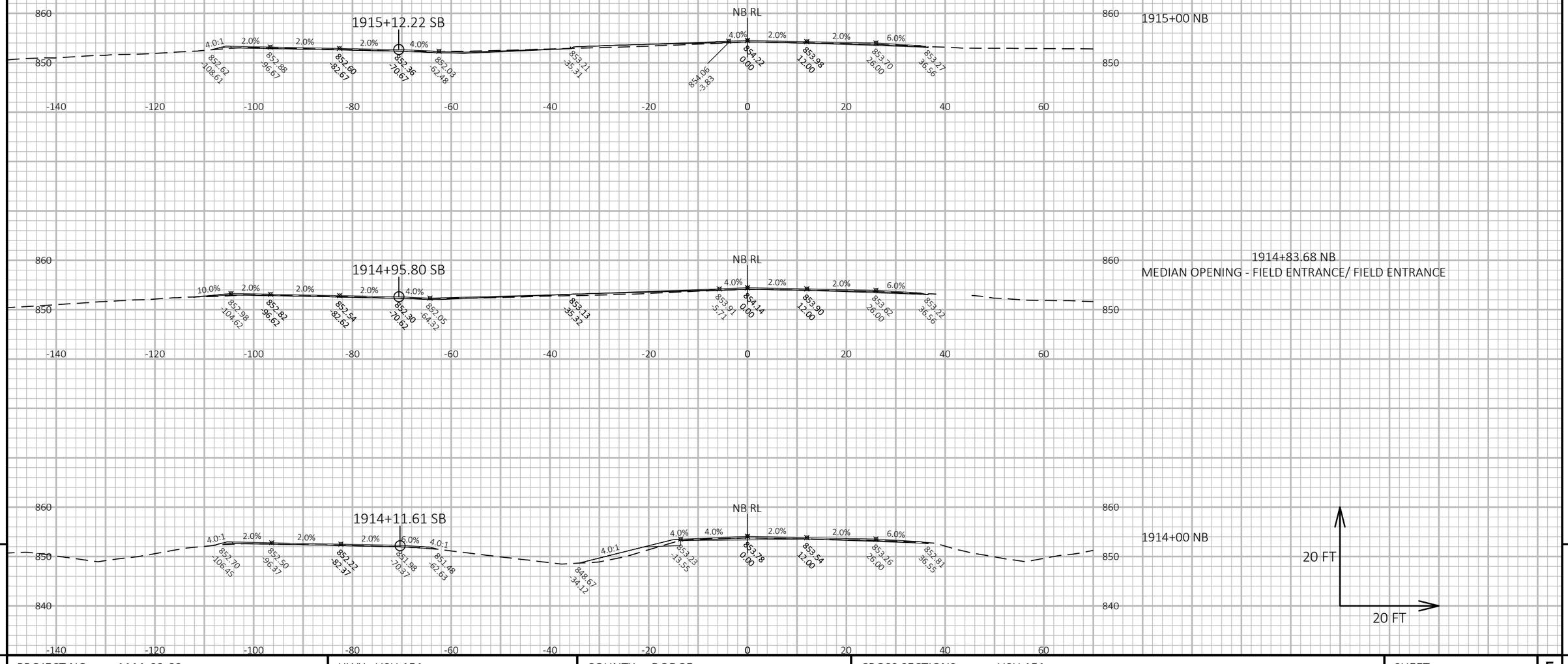
PLOT DATE : 6/28/2019 12:25 PM

PLOT BY : SCHMID, CHARLENE

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

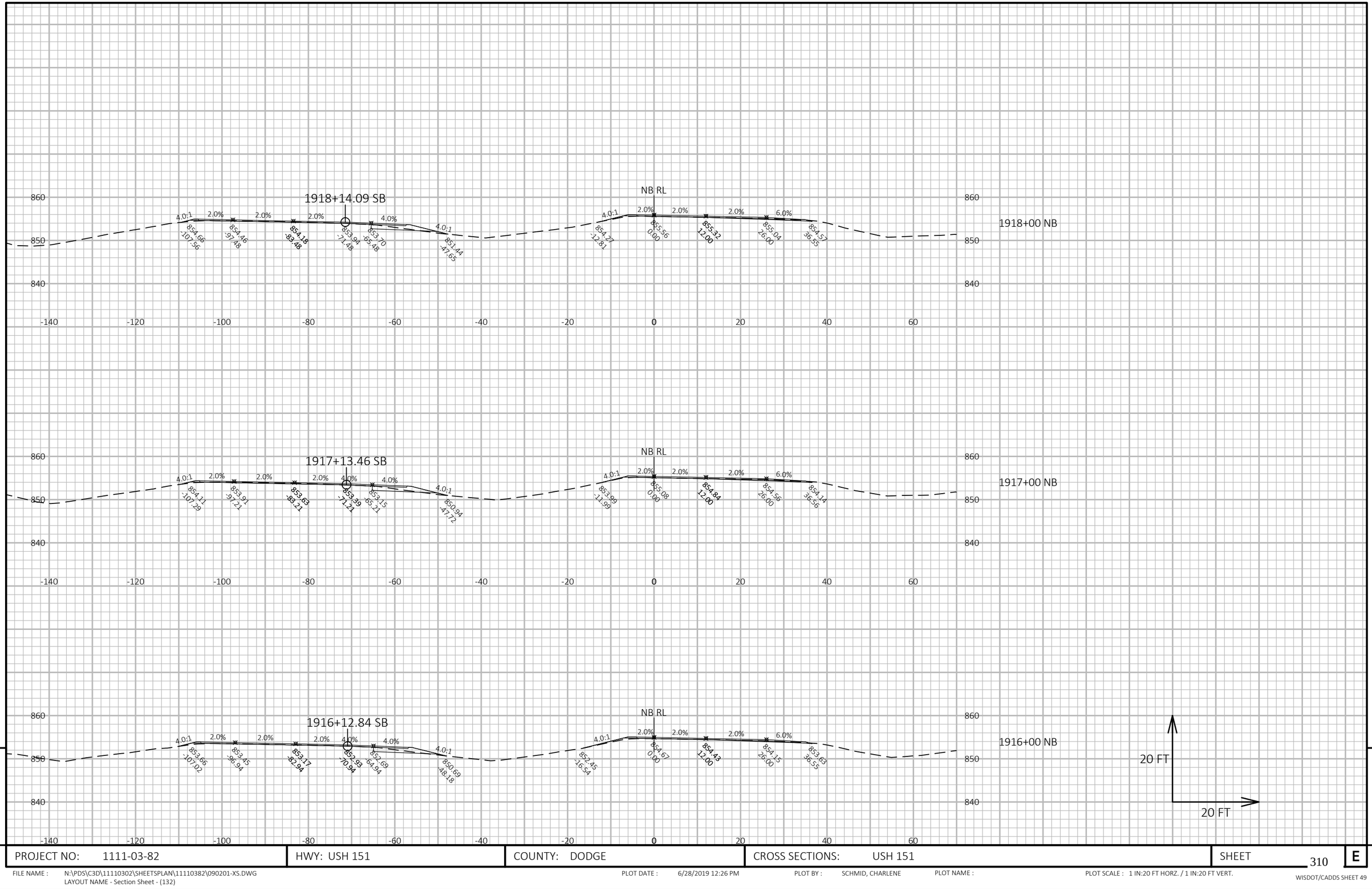


PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 309	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (131)

PLOT DATE : 6/28/2019 12:25 PM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

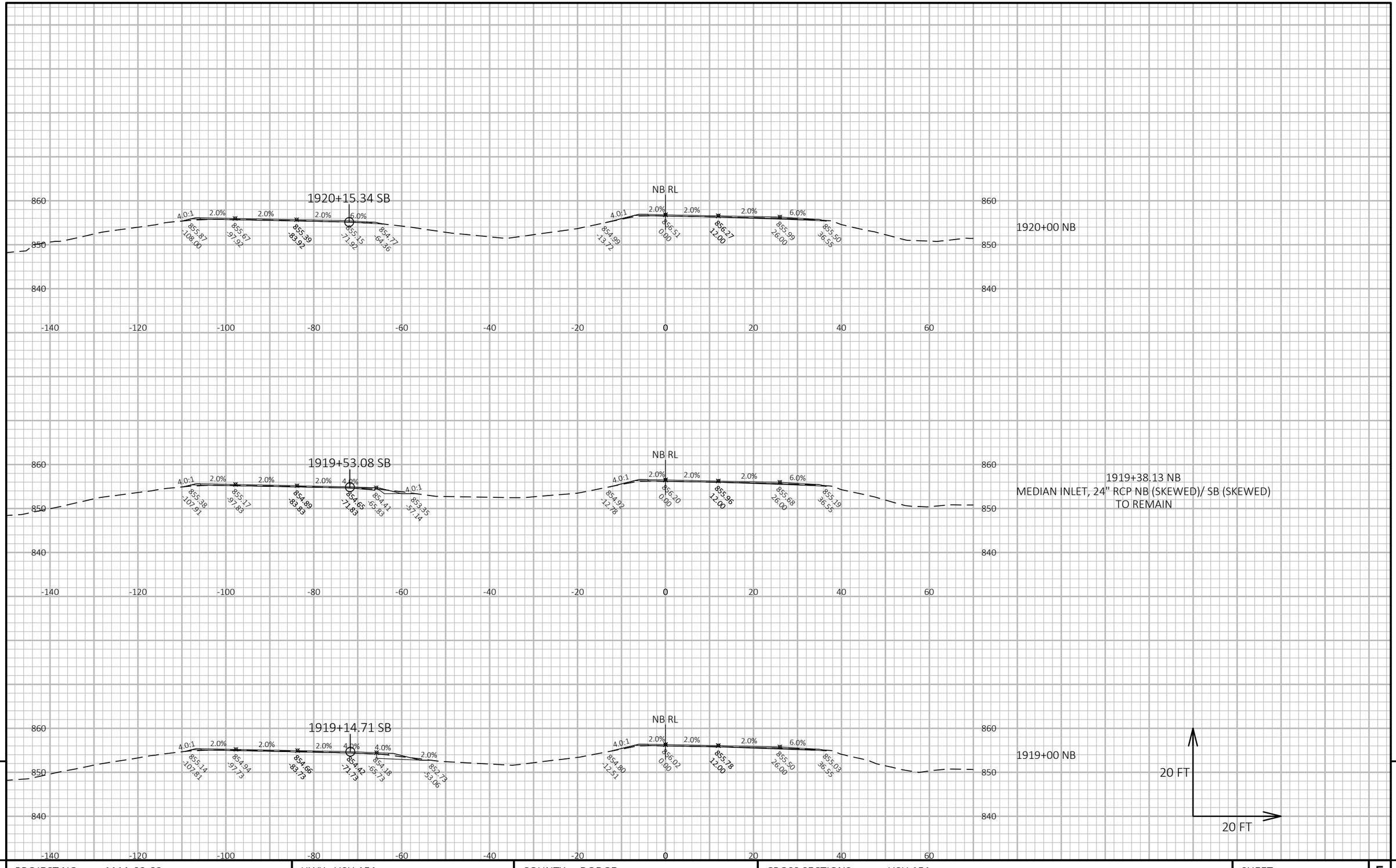
9

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 310	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (132)

PLOT DATE : 6/28/2019 12:26 PM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

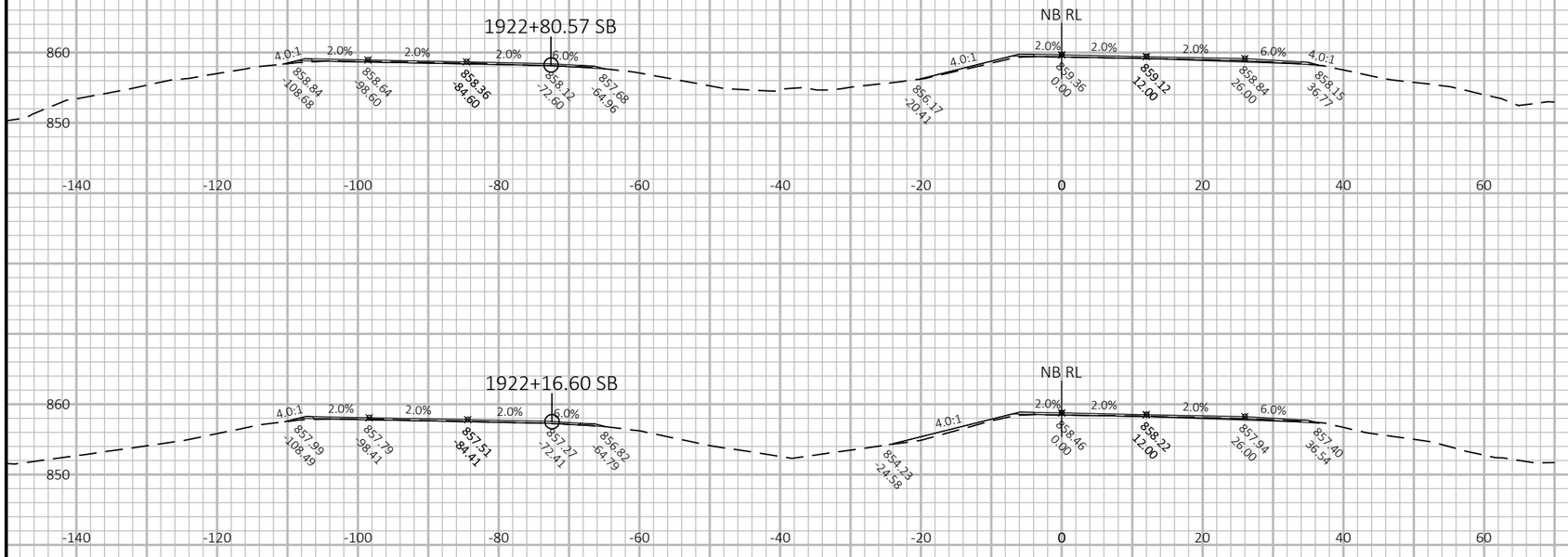
WISDOT/CADDS SHEET 49

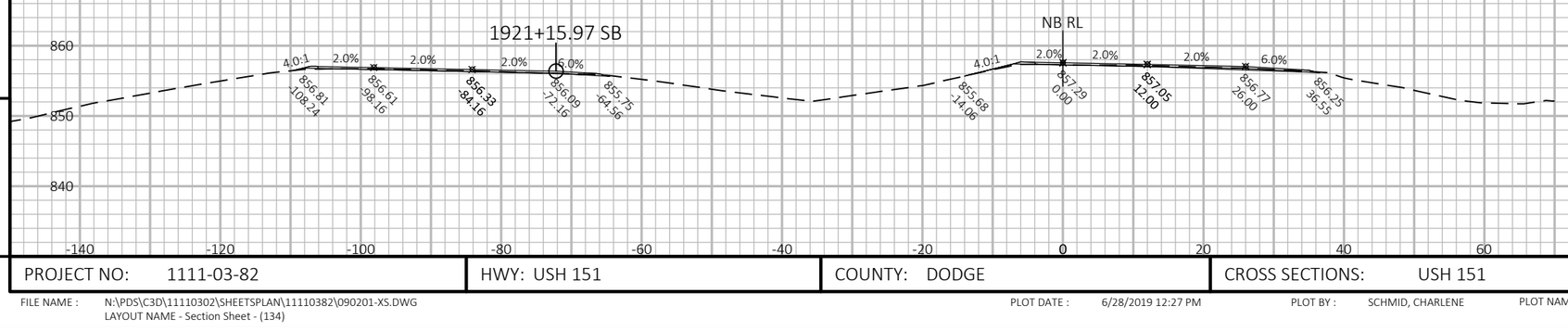


9

9

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 311	E





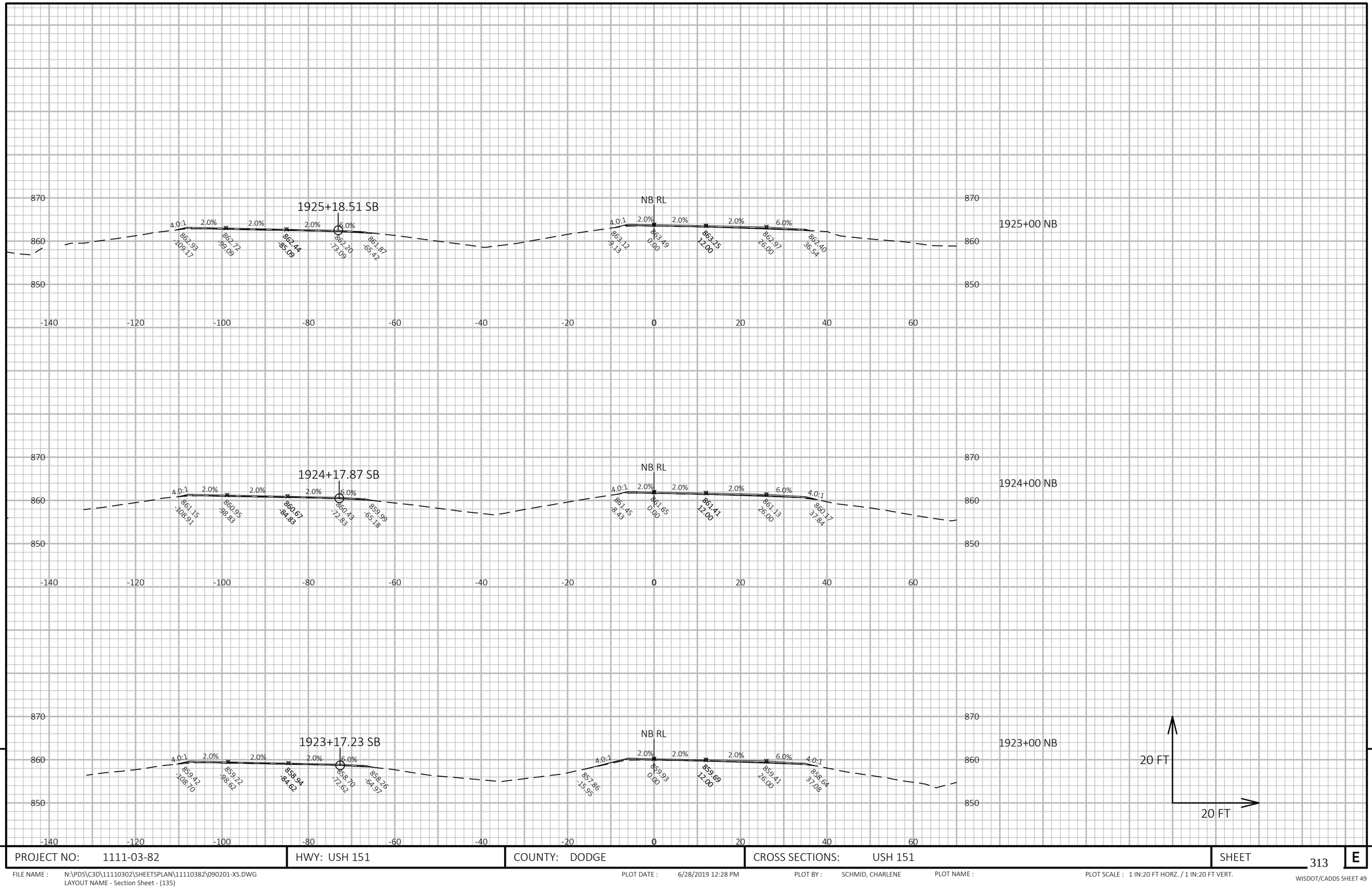
9

9

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 312	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (134)

PLOT DATE : 6/28/2019 12:27 PM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

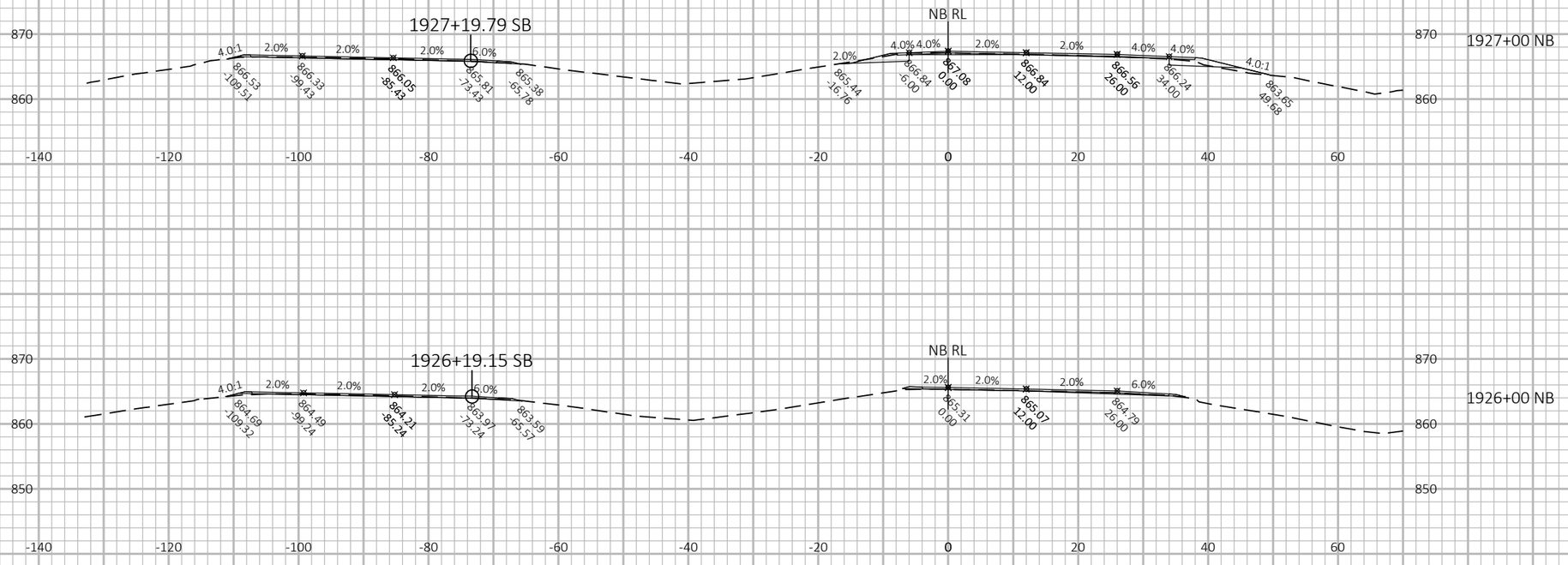


PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 313	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (135)

PLOT DATE : 6/28/2019 12:28 PM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49





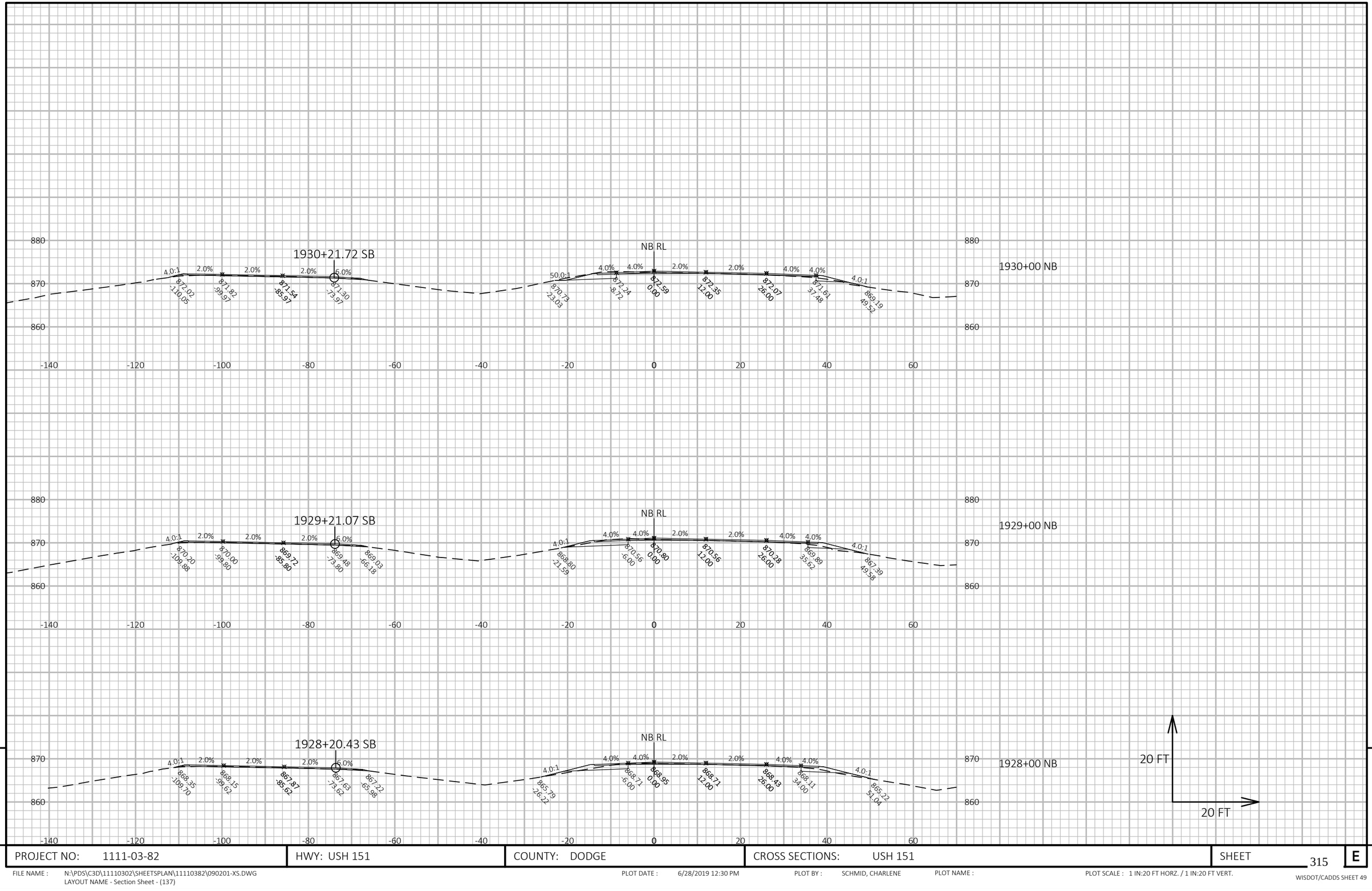
9

9

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 314	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (136)

PLOT DATE : 6/28/2019 12:29 PM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



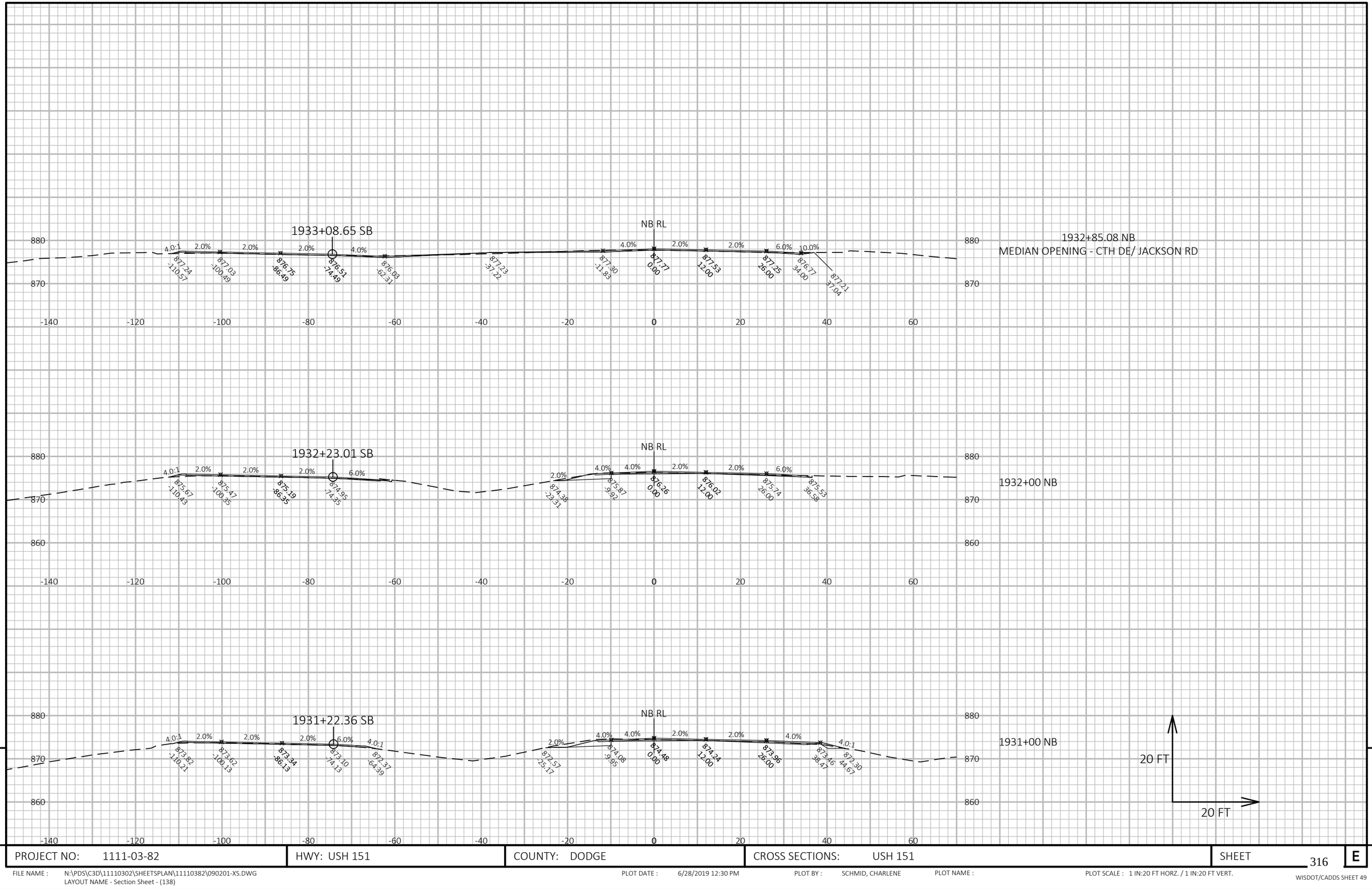
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9

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 315	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (137)

PLOT DATE : 6/28/2019 12:30 PM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

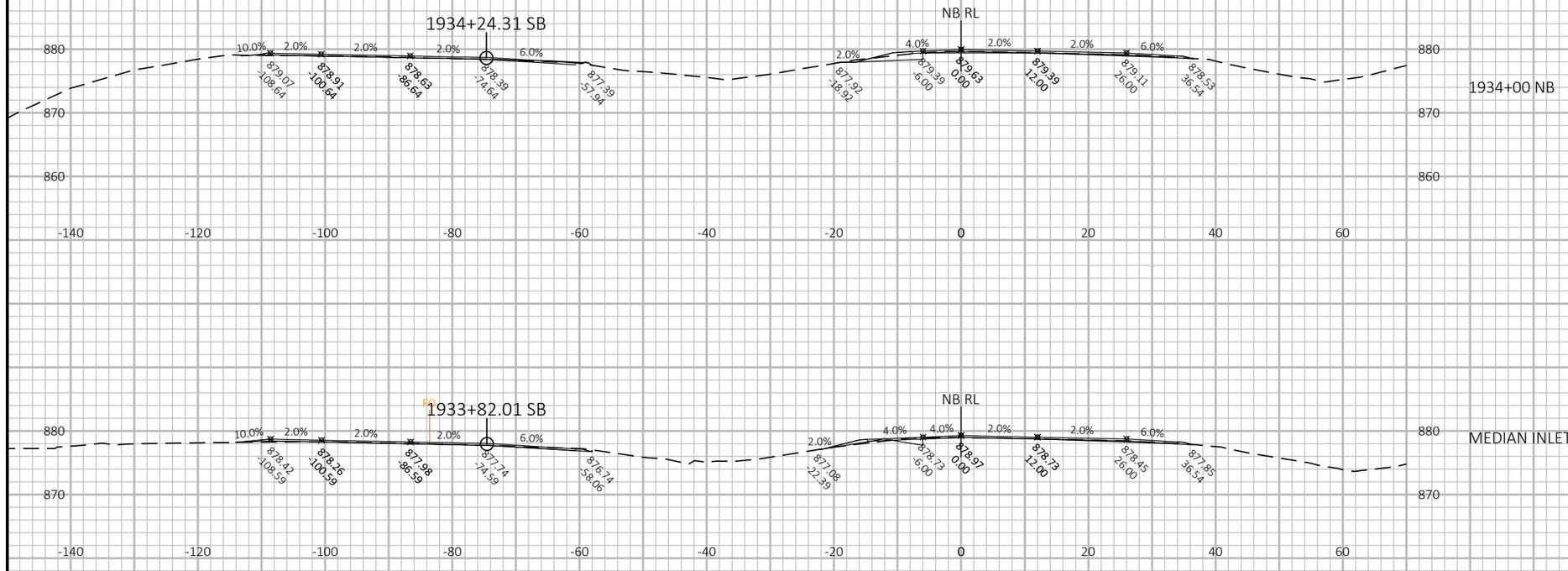
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PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 316	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (138)

PLOT DATE : 6/28/2019 12:30 PM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

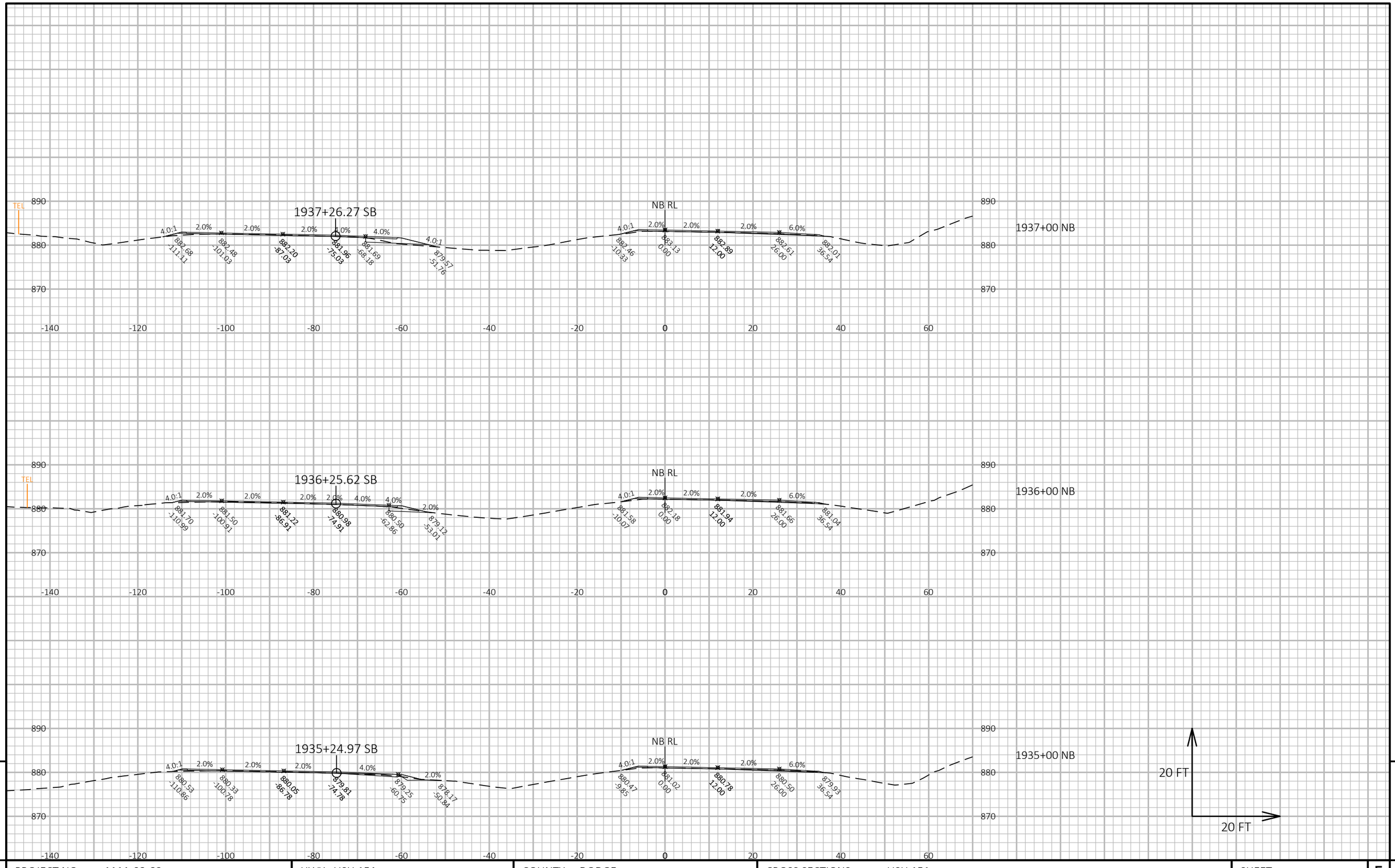


PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 317	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (139)

PLOT DATE : 6/28/2019 12:31 PM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 318	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (140)

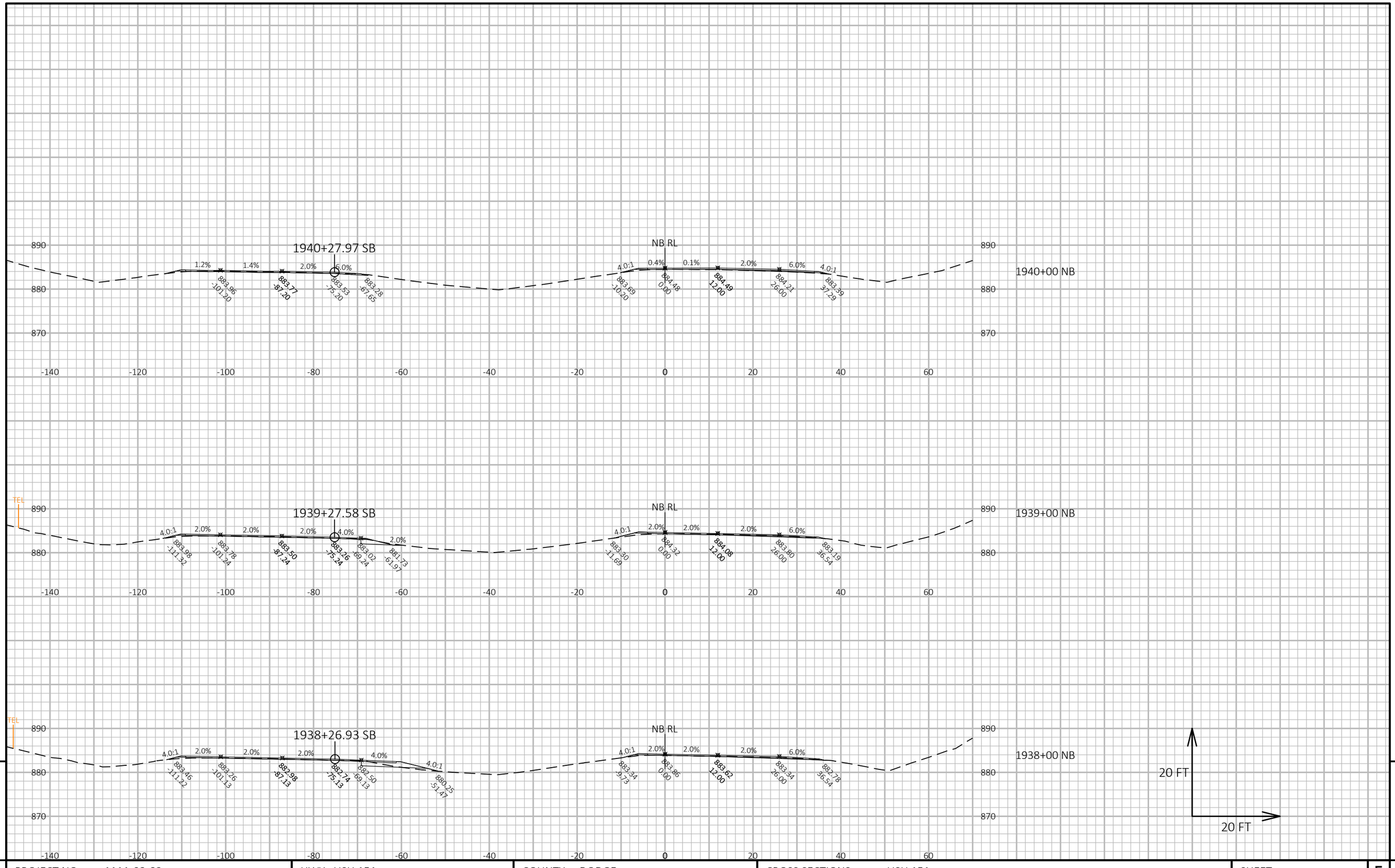
PLOT DATE : 6/28/2019 12:32 PM

PLOT BY : SCHMID, CHARLENE

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



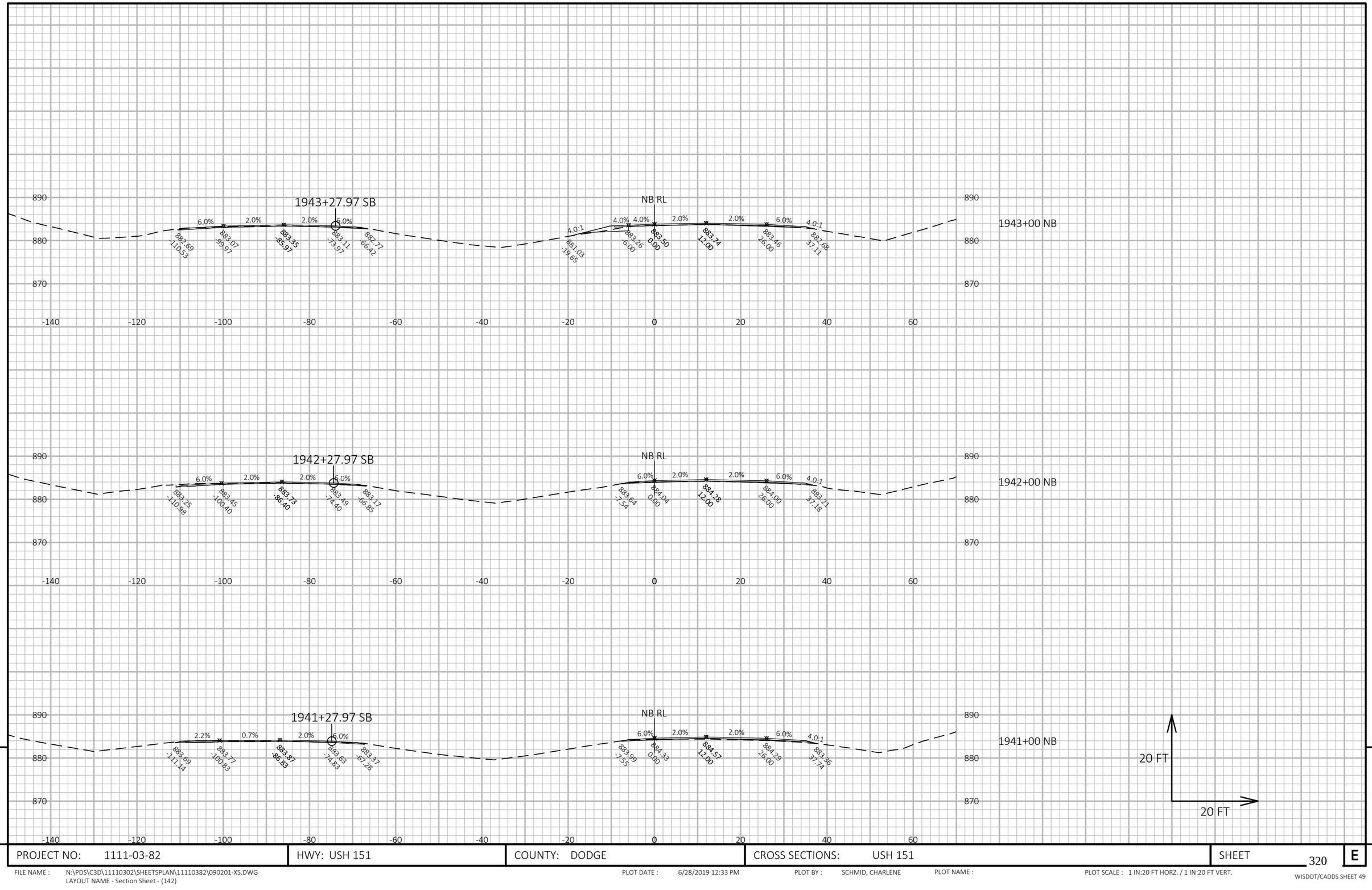
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9

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 319	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (141)

PLOT DATE : 6/28/2019 12:32 PM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

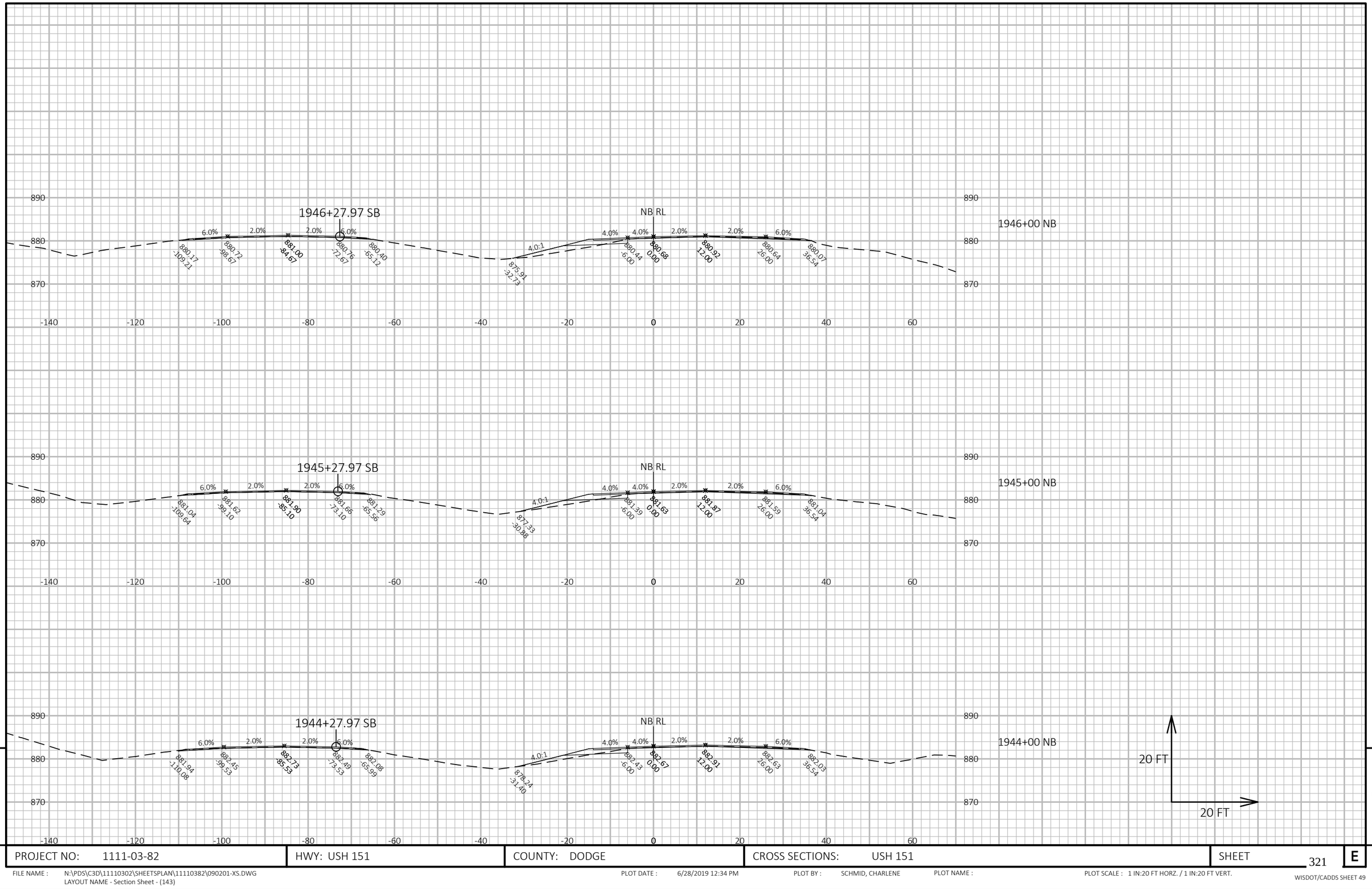
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PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 320	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (142)

PLOT DATE : 6/28/2019 12:33 PM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

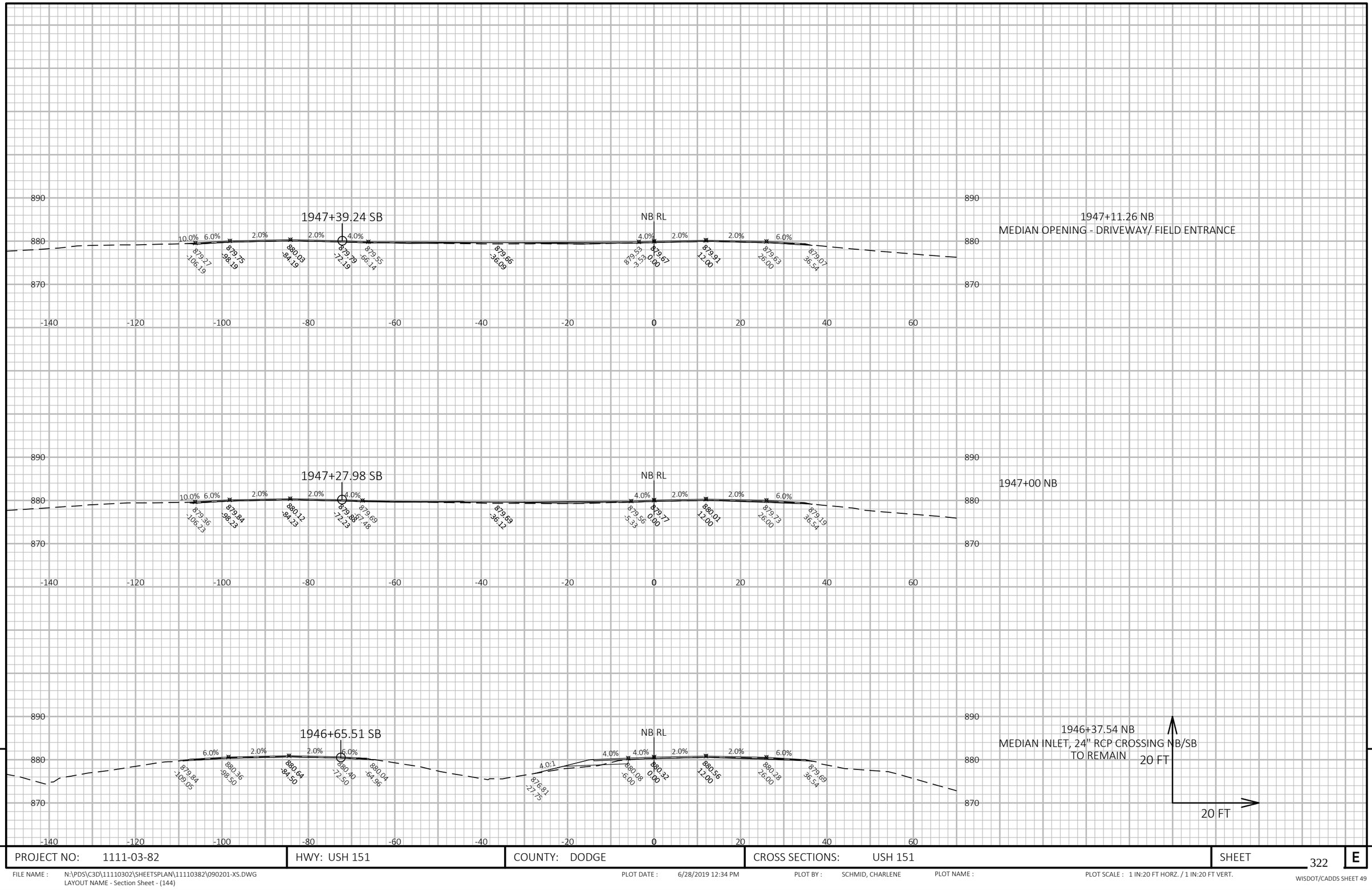
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PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 321	E

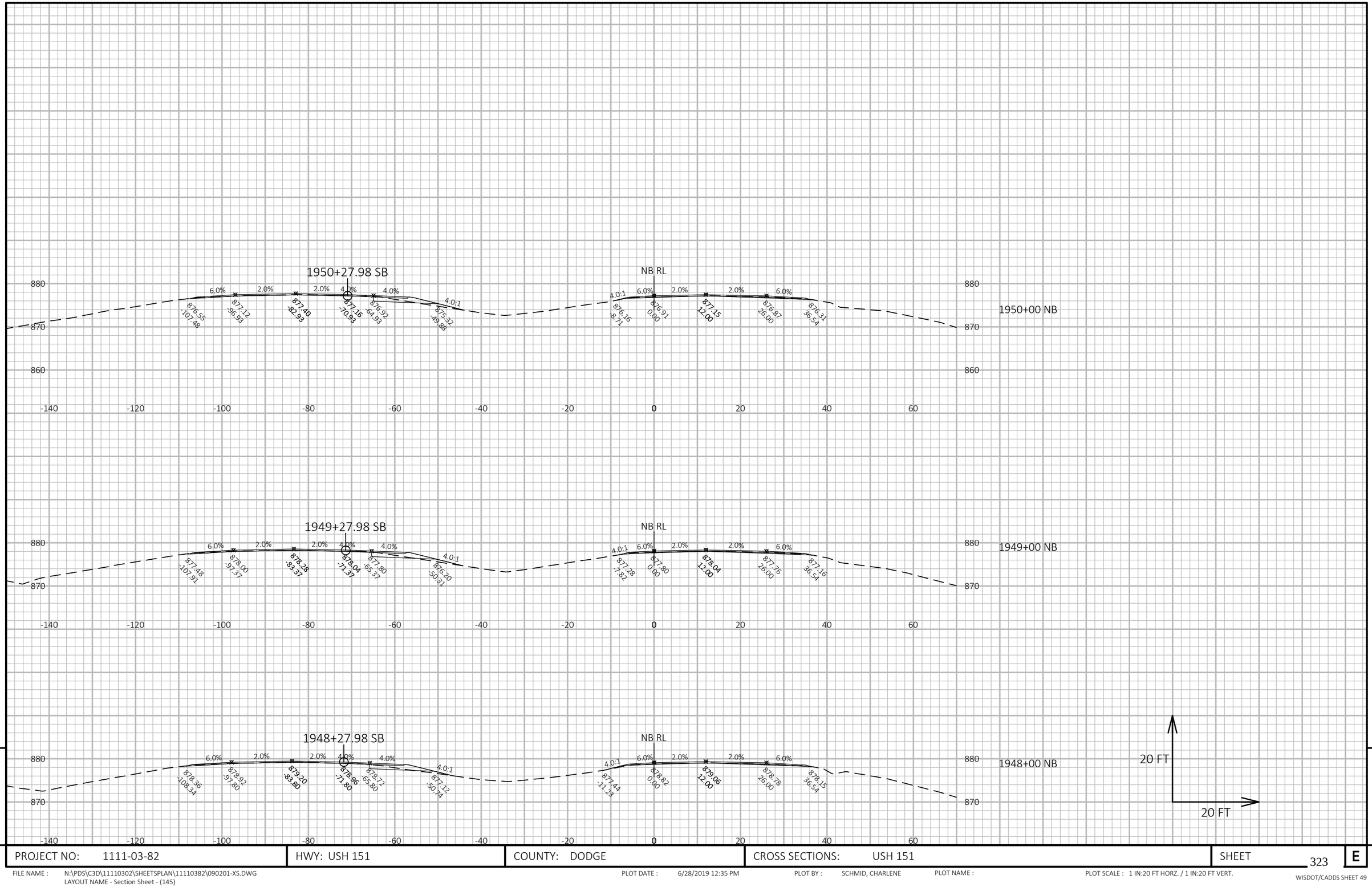
FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (143)

PLOT DATE : 6/28/2019 12:34 PM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 322	E



9

9

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 323	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (145)

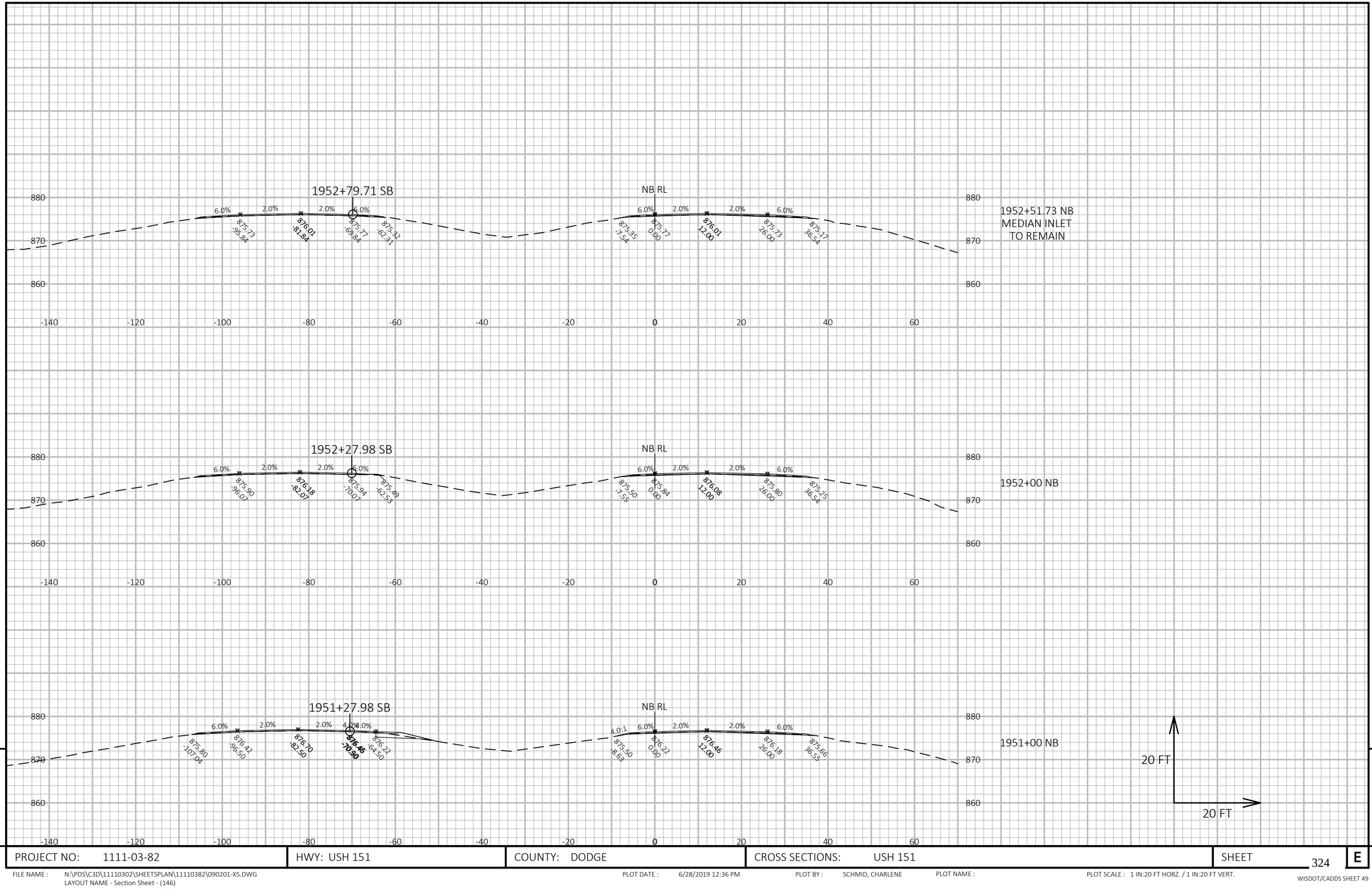
PLOT DATE : 6/28/2019 12:35 PM

PLOT BY : SCHMID, CHARLENE

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

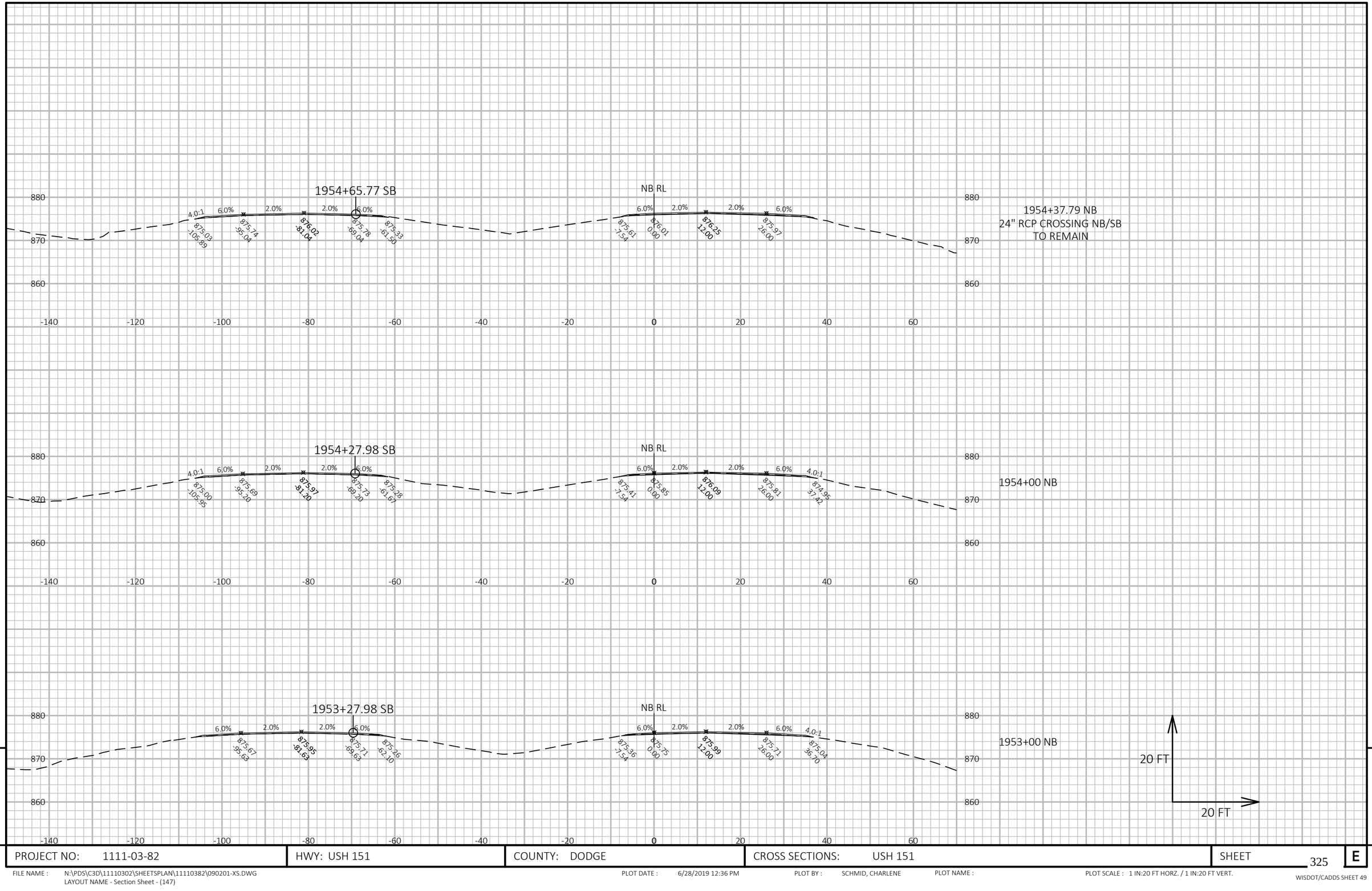
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PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 324	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (146)

PLOT DATE : 6/28/2019 12:36 PM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

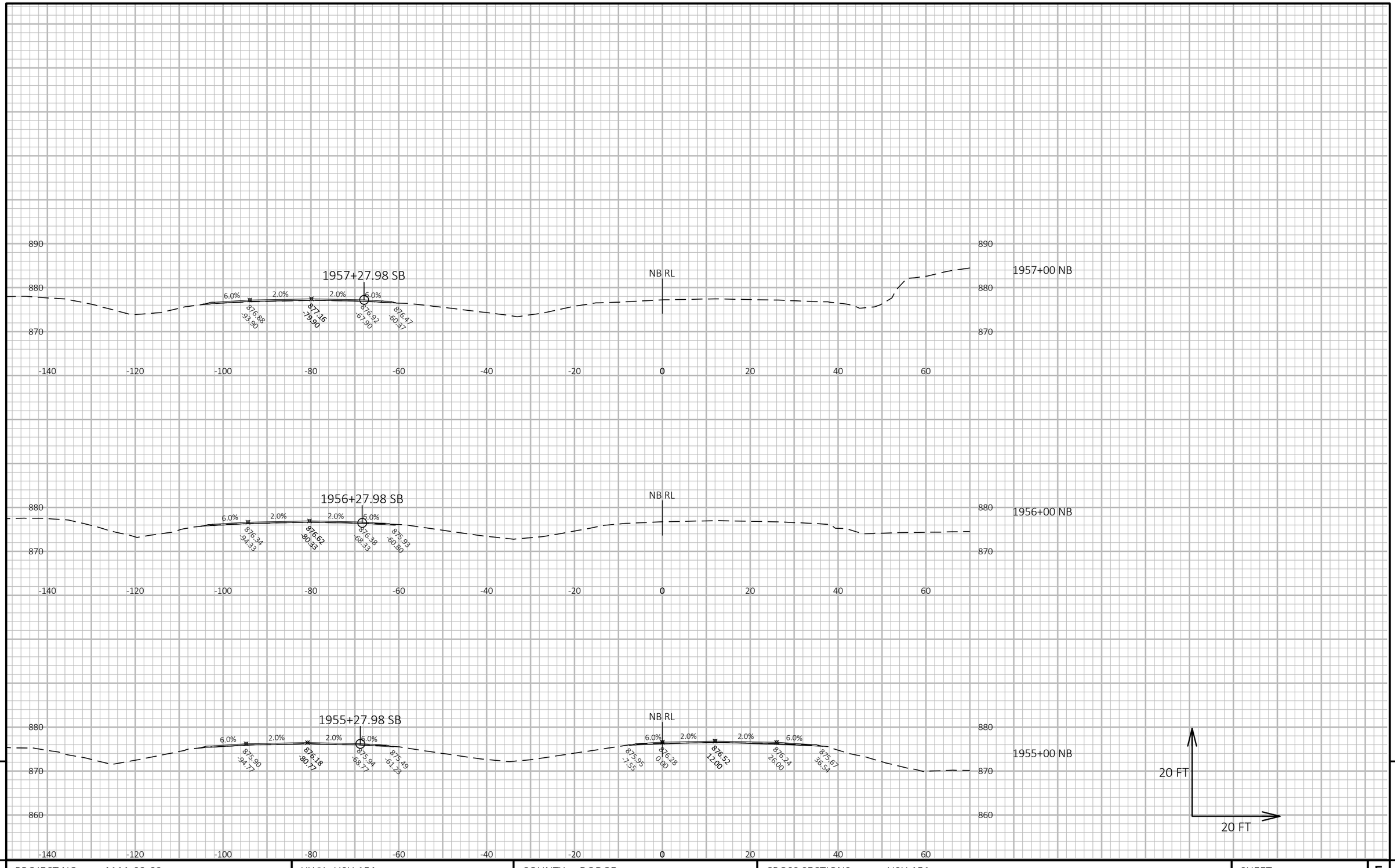
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PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 325	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (147)

PLOT DATE : 6/28/2019 12:36 PM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

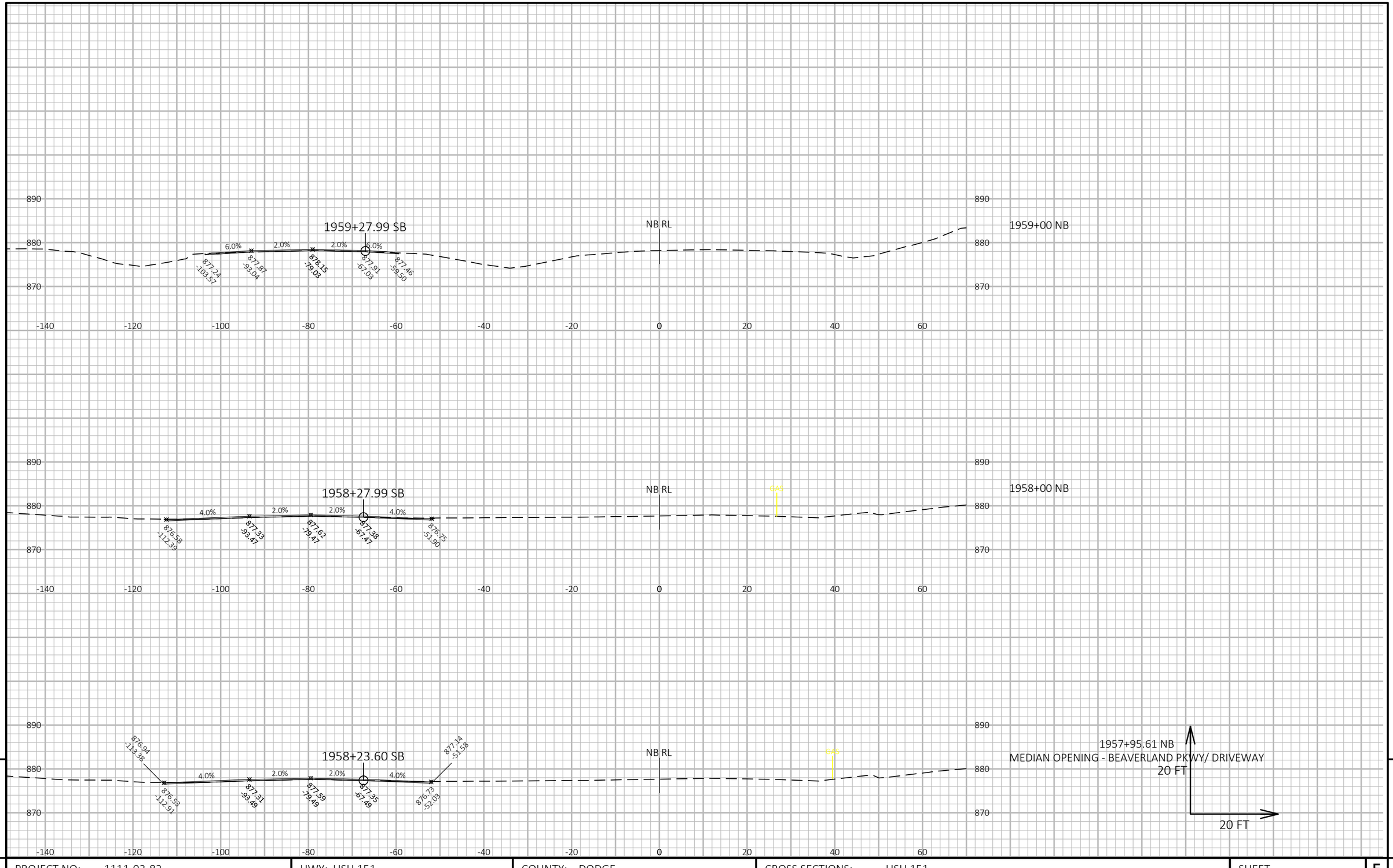
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PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 326	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (148)

PLOT DATE : 6/28/2019 12:37 PM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



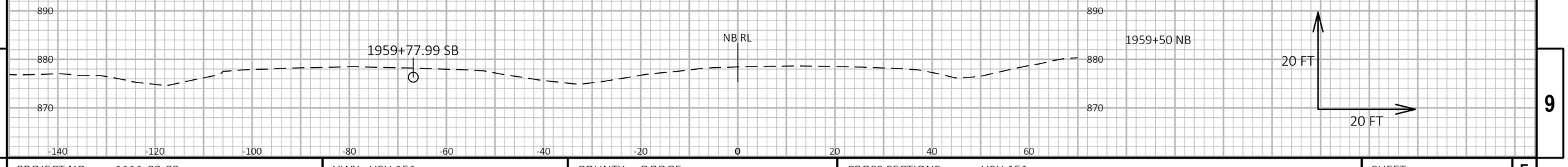
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9

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 327	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (149)

PLOT DATE : 6/28/2019 12:38 PM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

9

PROJECT NO: 1111-03-82	HWY: USH 151	COUNTY: DODGE	CROSS SECTIONS: USH 151	SHEET 328	E

FILE NAME : N:\PDS\C3D\11110302\SHEETSPLAN\11110382\090201-XS.DWG
LAYOUT NAME - Section Sheet - (150)

PLOT DATE : 6/28/2019 12:38 PM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

Notes

Wisconsin Department of Transportation

Dedicated people creating transportation solutions
through innovation and exceptional service.

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