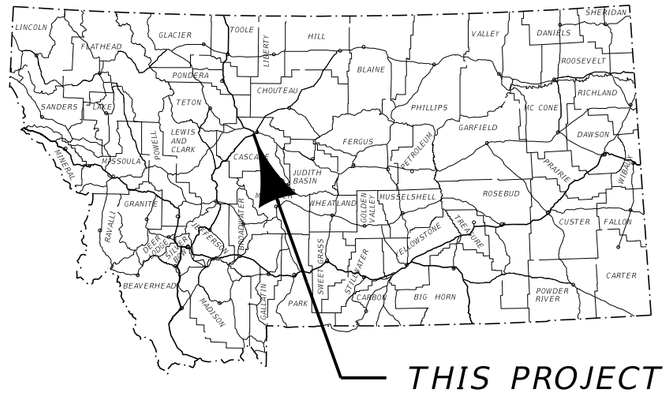
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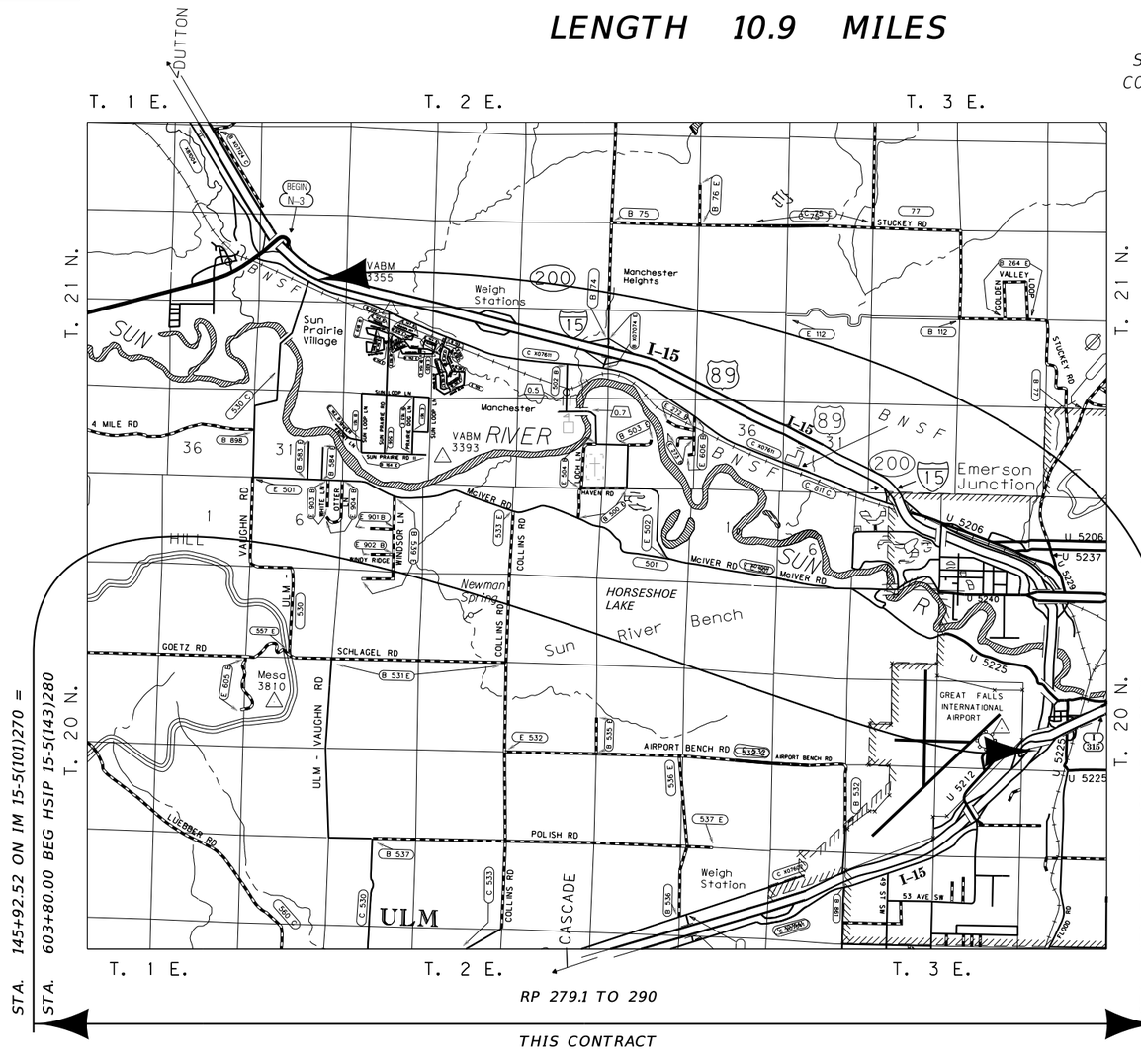


MONTANA DEPARTMENT OF TRANSPORTATION

FEDERAL AID PROJECT HSIP 15-5(143)280
ROADWAY & ROADSIDE SAFETY IMPROVEMENT
SF 169 I-15 HT CABLE RAIL
CASCADE COUNTY
EROSION CONTROL PLANS

LENGTH 10.9 MILES

SURFACING SOURCES - CONTRACTOR FURNISHED



STA. 145+92.52 ON IM 15-5(101)270 = STA. 603+80.00 BEG HSIP 15-5(143)280

STA. 1179+54.17 END HSIP 15-5(143)280= STA. 1179+54.17 ON IM 15-5(122)286

RP 279.1 TO 290

THIS CONTRACT

3	MDT	MONTANA DEPARTMENT OF TRANSPORTATION	C:\DGN\9376000saert001.dgn
2			11/16/2021
			4:12:22 PM CPS - U6146

EROSION AND SEDIMENT CONTROL BMP'S

REFER TO THE MOST CURRENT RELEASE OF MDT'S EROSION & SEDIMENT CONTROL BMP MANUAL

PEV (SS-1) SHOULD BE IDENTIFIED AND USED THROUGHOUT THE ENTIRE PROJECT IN ALL AREAS NOT DISTURBED BY CONSTRUCTION

TS (SS-3) AND ES (SS-4) SHOULD BE UTILIZED THROUGHOUT THE ENTIRE PROJECT

GENERAL BMP'S

- I/O — INLET/OUTLET PROTECTION
- WP — WATERWAY PROTECTION
- WR — WATER RESOURCE PROTECTION

TEMPORARY SOIL STABILIZATION BMP'S (SS)

- PEV — PRESERVATION OF EXISTING VEGETATION (SS-1)
- MC — MULCH COVER (SS-2)
- TS — TEMPORARY SEEDING (SS-3)
- ES — EROSION SEEDING (SS-4)
- SB — SOIL BINDERS (SS-5)
- REC — ROLLED EROSION CONTROL PRODUCTS (SS-6)
- SR — SURFACE ROUGHENING (SS-7)
- WE — WIND EROSION CONTROL (SS-8)

RUN-ON AND RUNOFF CONTROL (RC)

- ED/LD — EARTH DIKES/DRAINAGE SWALES/LINED DITCHES (RC-1)
- OVDD — OUTLET VELOCITY DISSIPATION DEVICES (RC-2)
- TSD — TEMPORARY SLOPE DRAINS (RC-3)

TEMPORARY SEDIMENT CONTROL BMP'S (SC)

- SF — SILT FENCE (SC-1)
- DB — DESILTING BASIN (SC-2)
- ST — SEDIMENT TRAP (SC-3)
- CD — CHECK DAMS (SC-4)
- DDB — DUGOUT DITCH BASIN (SC-5)
- FR — FIBER ROLLS (SC-6)
- CS — COMPOST SOCKS (SC-7)
- BB — BRUSH BARRIER (SC-8)
- SAND-B — SANDBAG BARRIER (SC-9)
- GBB — GRAVEL BAG BERM (SC-10)
- RB — ROCK FILTER BERM (SC-11)
- I/O — INLET/OUTLET PROTECTION (SC-12)

TRACKING CONTROL BMP'S (TC)

- SCEE — STABILIZED CONSTRUCTION ENTRANCE/EXIT (SC-13)
- SCR — STABILIZED CONSTRUCTION ROADWAY (SC-14)
- EOTW — ENTRANCE/OUTLET TIRE WASH (SC-15)

THE FOLLOWING BMP ALTERNATIVES ARE NOT COMPREHENSIVE AND DO NOT SUPERSEDE MDT CONTRACT REQUIREMENTS OR MANDATES AND REQUIREMENTS SPECIFIED BY OTHER AUTHORIZED LOCAL, STATE, AND FEDERAL AGENCIES.

I/O — INLET/OUTLET PROTECTION

- REC
- CS
- SAND-B
- FR
- RB
- OVDD
- ED/LD
- GBB

WR — WATER RESOURCE PROTECTION

- FR
- PEV
- TS
- I/O
- SF
- GBB
- SAND-B
- TSD
- REC
- ES
- OVDD
- RB

DT — DITCH TREATMENT

- TS
- REC
- GBB
- CS
- CD
- SAND-B
- DDB
- OVDD
- ED/LD
- TSD

NOTE: BMP STATIONING IS APPROXIMATE

CONSTRUCTION LIMITS:
CUT SECTION
TOE OF FILL

AWARD COPY

600+00

610+00

603+80.00
BEG. HSIP 15-5(143)280 (English) =
603+80.00
ON IM 15-5(124)282 (English)

PI =604+36.79
Δ =43° 20' 00" (LT)
R =5,730'
T =2,276.38'
L =4,333.65'
E =435.62'

620+00

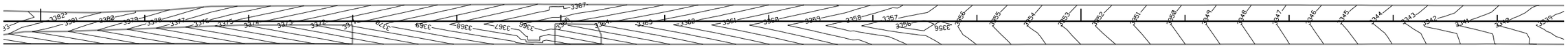
PT 624+94.06

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2		11/16/2021	CASCADE COUNTY		UPN 9376000	E 03
		4:12:37 PM CPS - U6146				

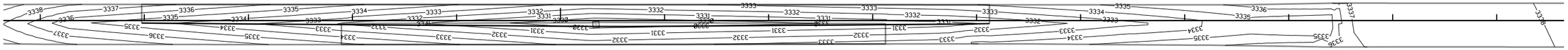
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630+00

640+00



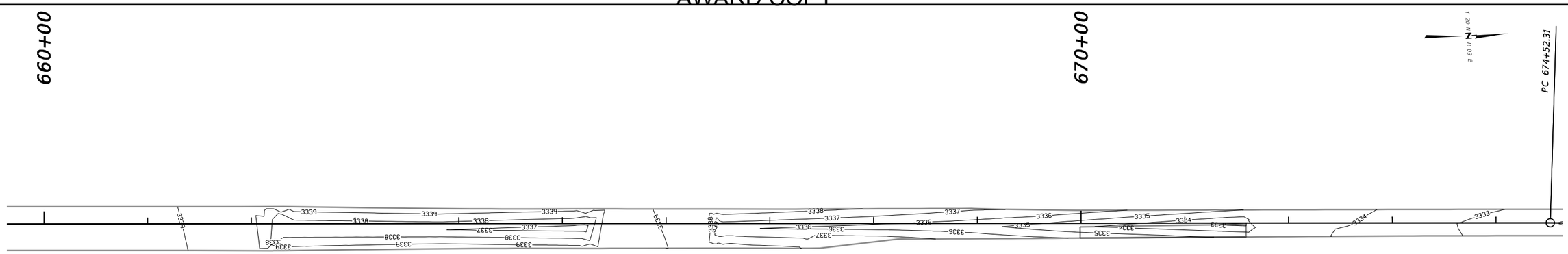
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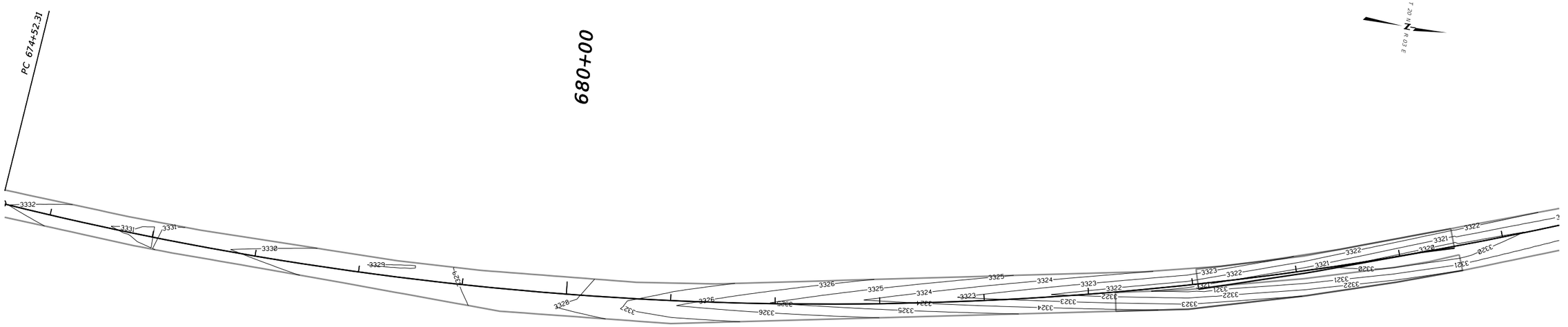


N 3° 23' 57" E

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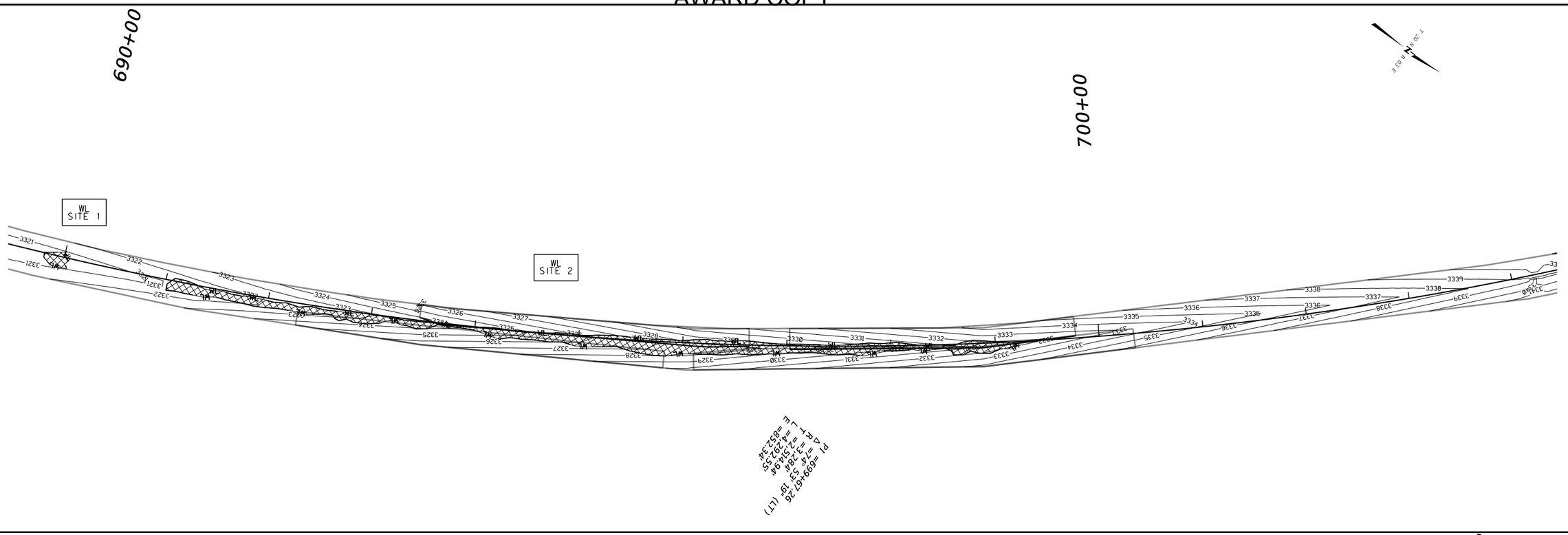
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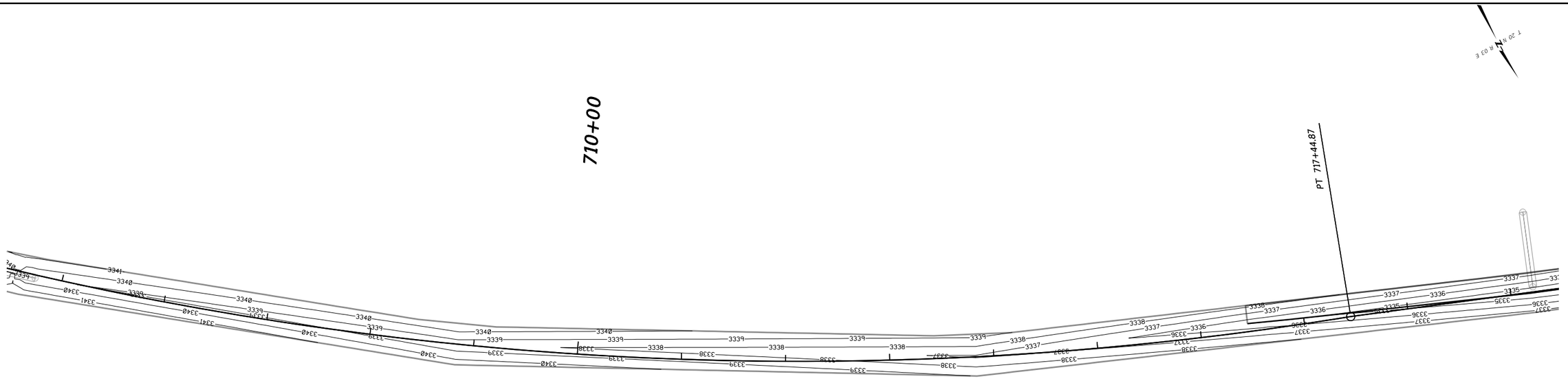




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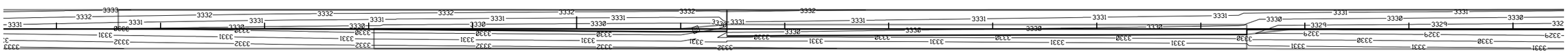
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720+00

730+00



740+00



N 68° 09' 00" W

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750+00

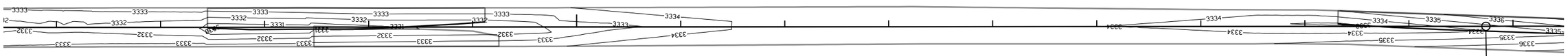
760+00

T 20 N
R 03 E



770+00

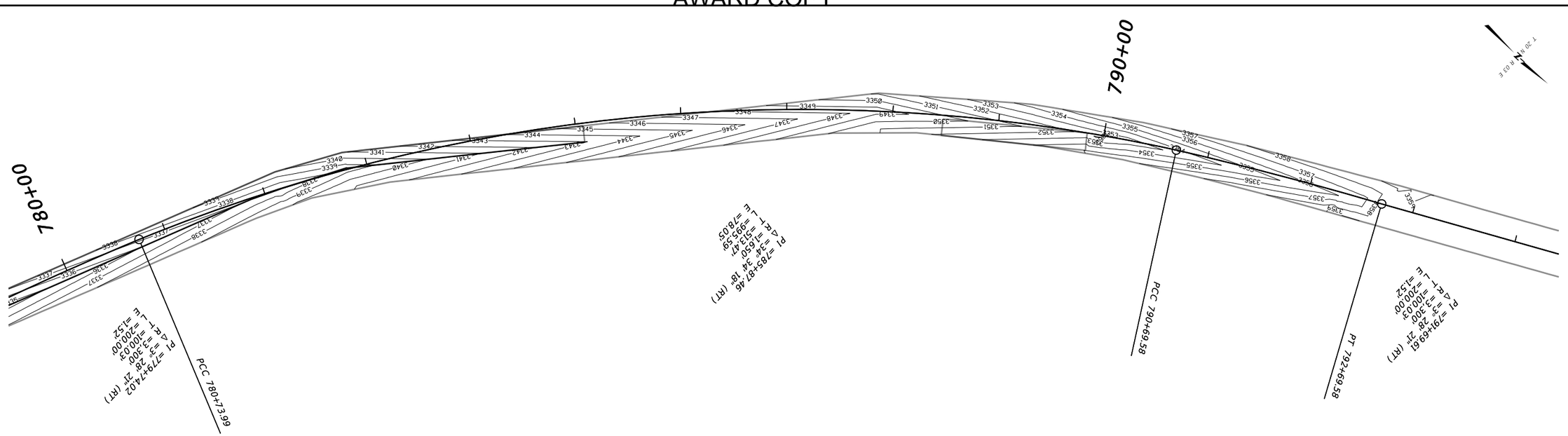
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R 03 E

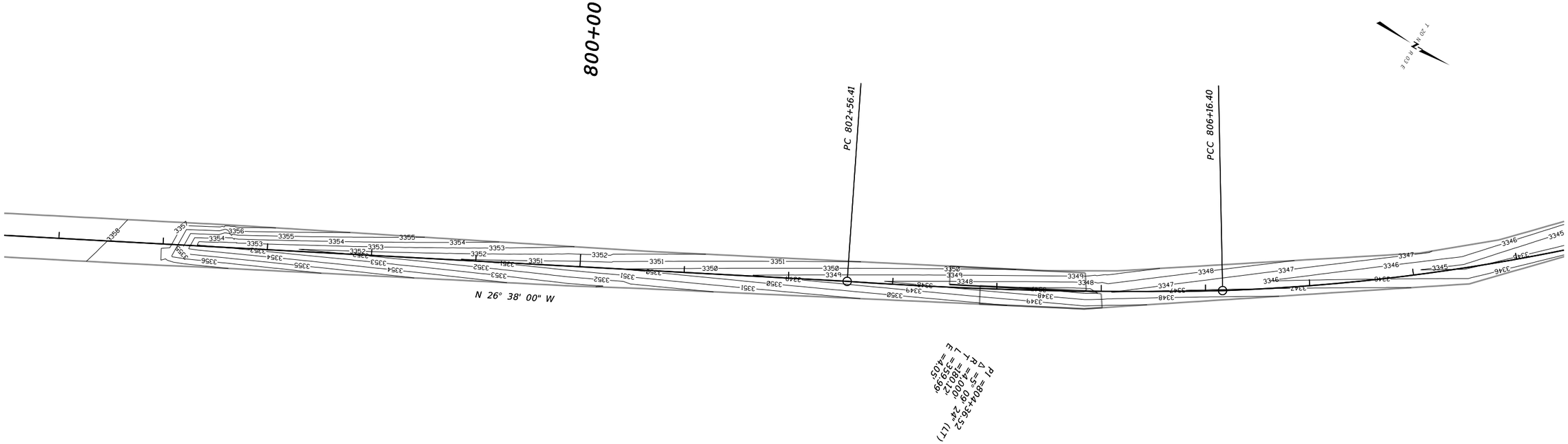


PC 778+73.99

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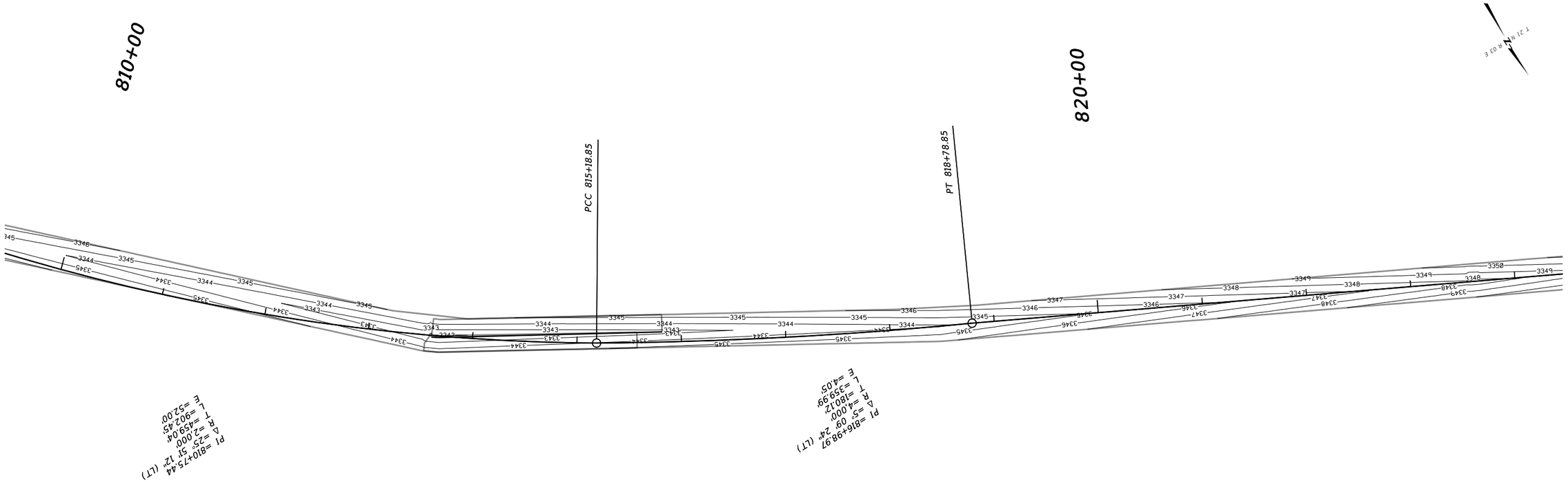
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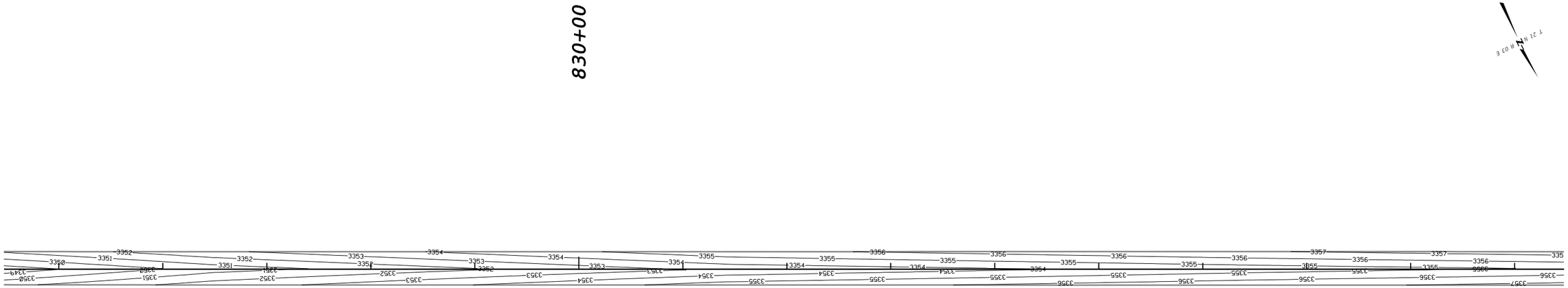




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2		11/16/2021	CASCADE COUNTY		UPN 9376000	E 09
		4:13:14 PM CPS - U6146				

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3 / 1	MDT MONTANA DEPARTMENT OF TRANSPORTATION	C:\DGN\9376000saero003.dgn 11/16/2021 4:13:18 PM CPS – U6146	EROSION CONTROL PLANS CASCADE COUNTY		SF 169 I-15 HT CABLE RAIL	HSIP 15-5(143)280 UPN 9376000 E 10

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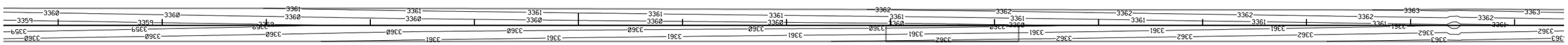
840+00

850+00



T 21 N R 03 E

860+00



T 21 N R 03 E

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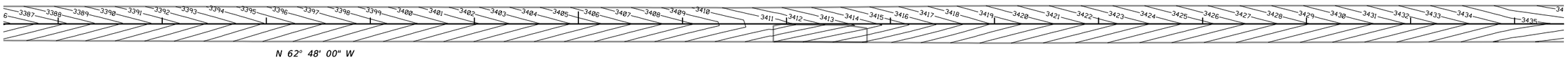
870+00

880+00



T 21 N R 02 E

890+00



N 62° 48' 00" W

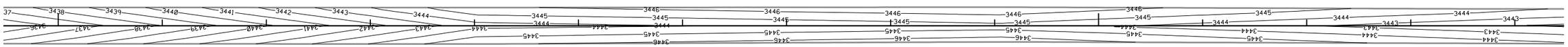
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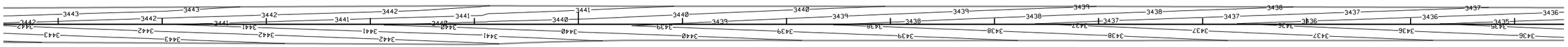
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900+00

910+00



920+00



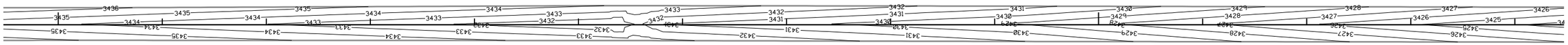
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930+00

940+00

T 21 N R 02 E



950+00

T 21 N R 02 E

PC 956+72.07



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1		11/16/2021	CASCADE COUNTY		UPN 9376000	E 14
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960+00

970+00

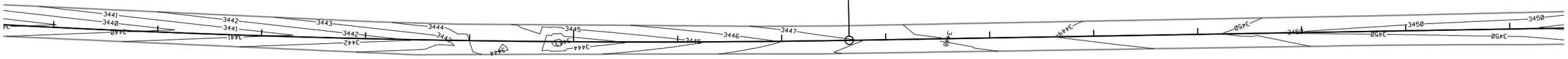


PI =969+74.06
Δ =12° 57' 48" (LT)
R =11,301.99'
T =2,592.86'
L =717.72'
E =73.72

T 21 N R 02 E

980+00

PT 982+6493



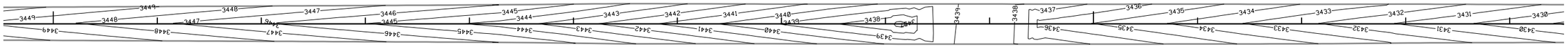
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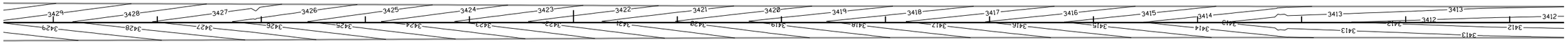
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1000+00



T 21 N R 02 E

1010+00



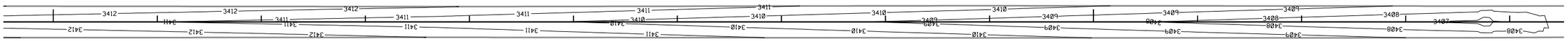
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AWARD COPY

1020+00

1030+00



T 21 N R 02 E

1040+00



T 21 N R 02 E

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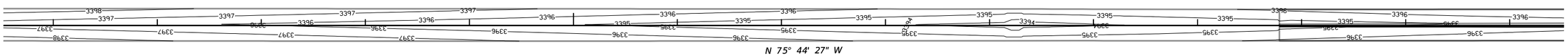
1050+00

1060+00





1070+00





N 75° 44' 27" W

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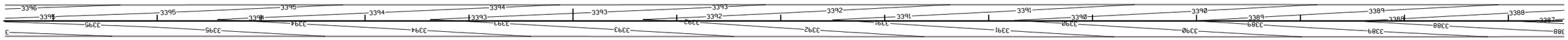
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1090+00





1100+00





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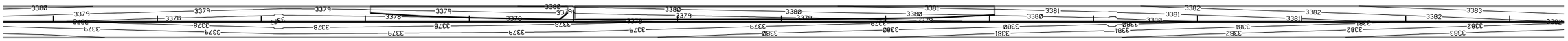
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1120+00





1130+00





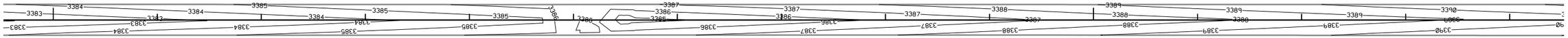
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AWARD COPY

1140+00

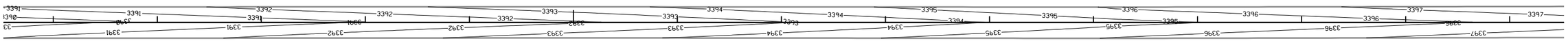
1150+00

T 21 N
R 02 E



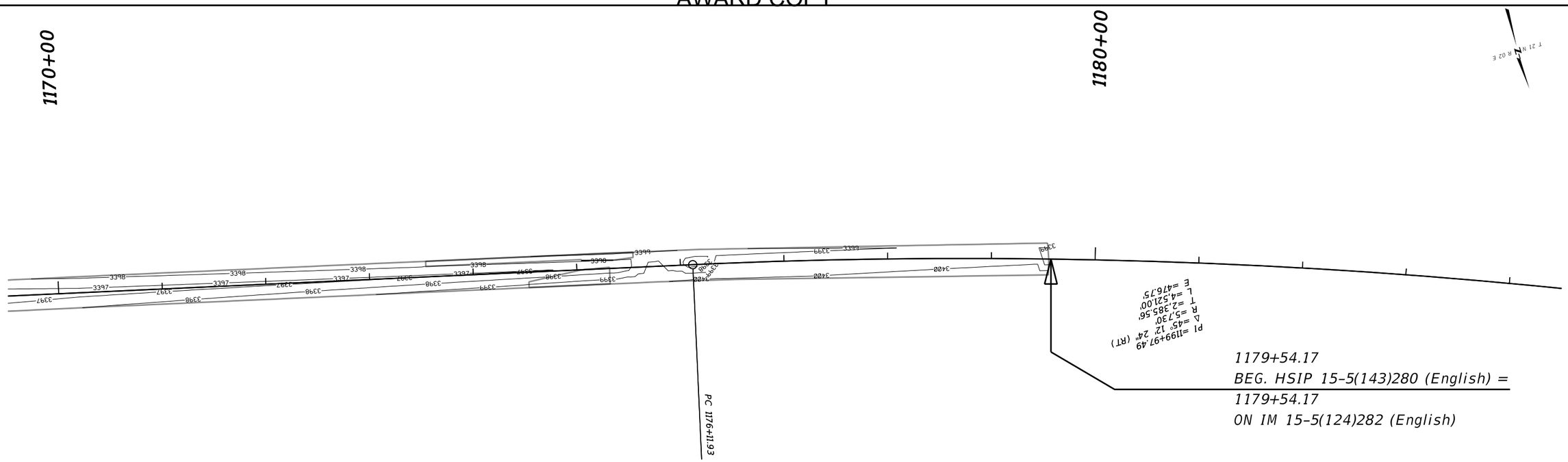
1160+00

T 21 N
R 02 E



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2		11/16/2021	CASCADE COUNTY		UPN 9376000	E 21
		4:14:26 PM CPS - U6146				

AWARD COPY



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