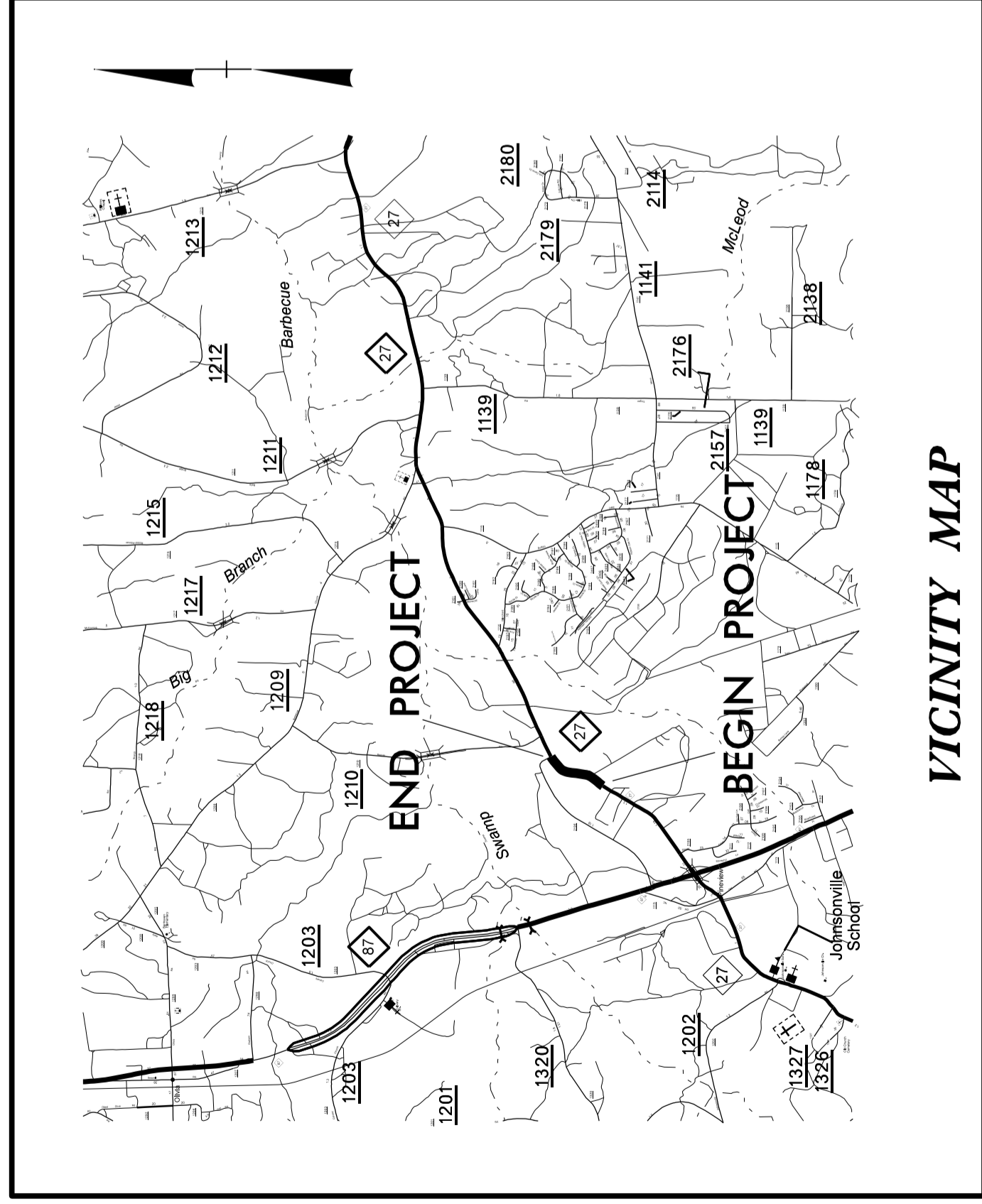


STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

HARNETT COUNTY

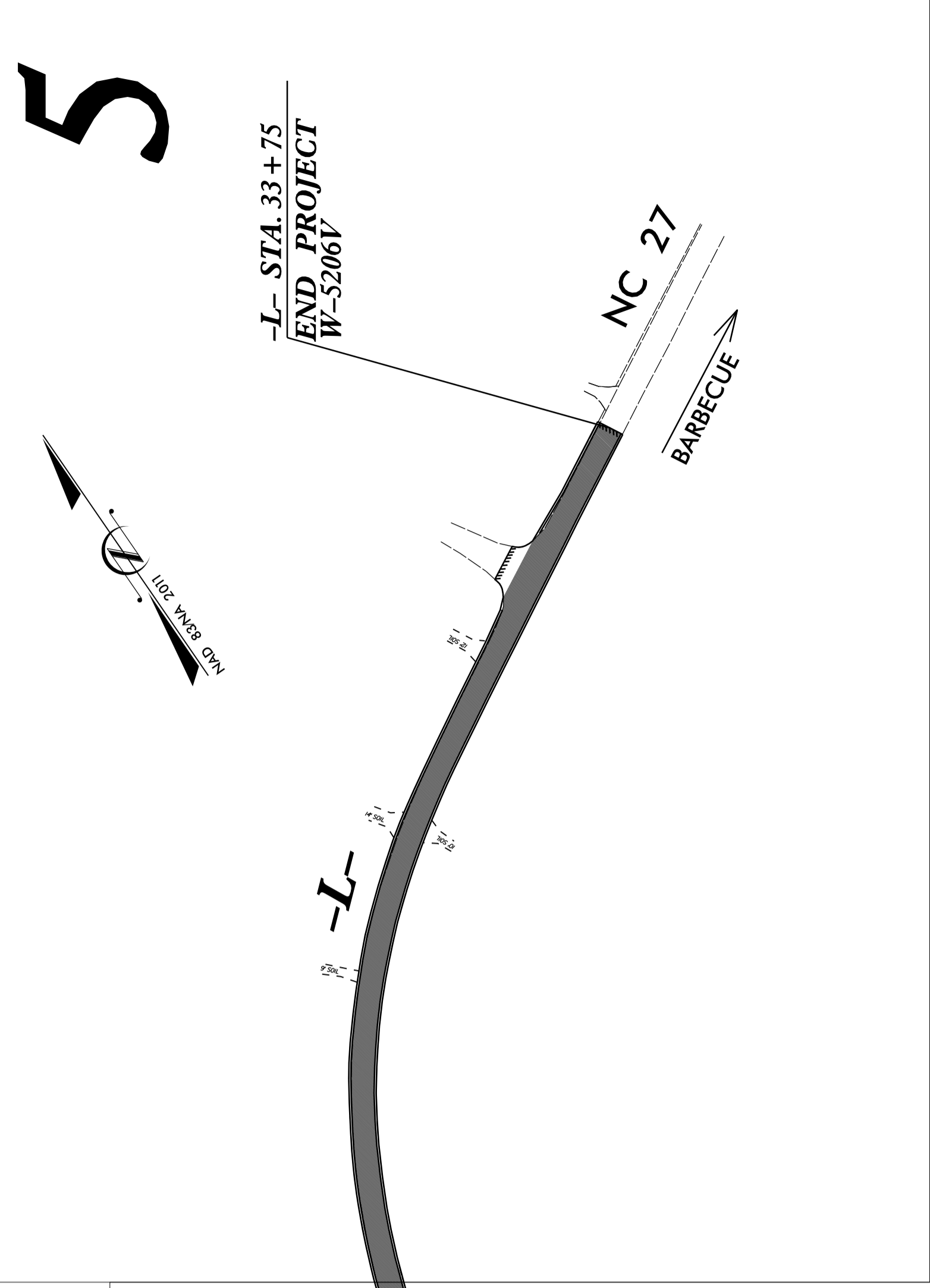
LOCATION: NC 27 (WEST OF SR 1210, TOWARDS NC 87)
**TYPE OF WORK: GRADING, PAVING, DRAINAGE,
PAVEMENT MARKING AND SIGNING**



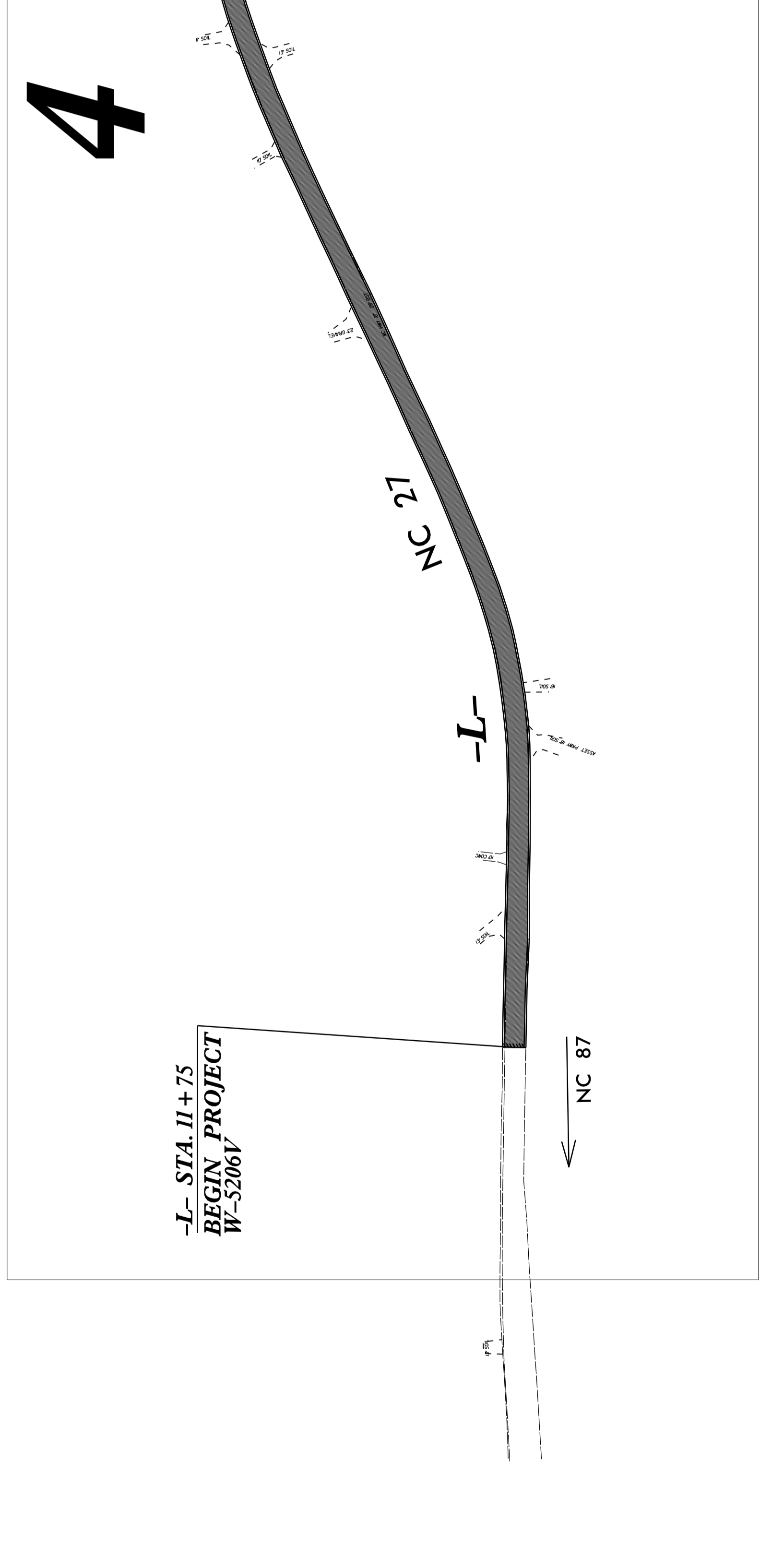
VICINITY MAP

STATE	N.C.	STATE PROJECT REFERENCE NO.	W-5206V	SHEET NO.	1	TOTAL SHEETS	1
STATE PROJ. NO.	45336.1.22	F.A. PROJ. NO.	HRRR-0027(14)	DESCRIPTION	PE		
	45336.2.FR22		HRRR-0027(14)		RW & UTILITIES		
	45336.3.FR22		HRRR-0027(14)		CONSTRUCTION		

4

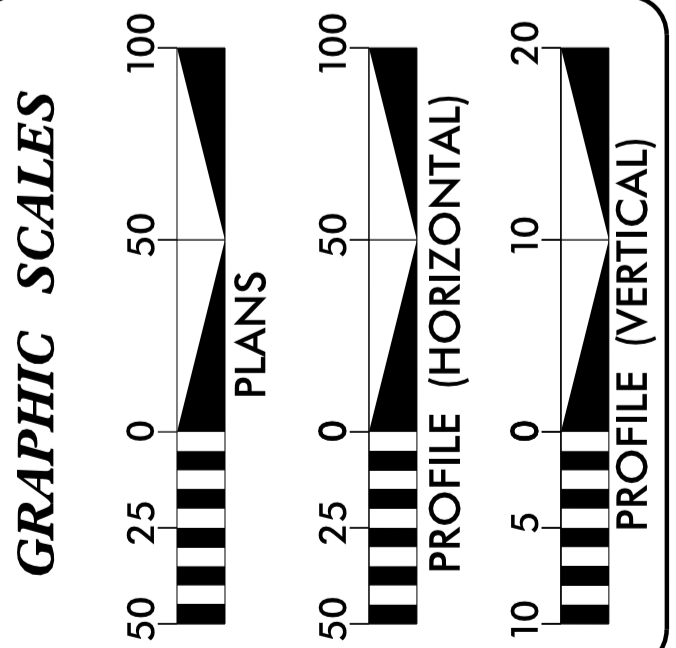


5



TIP PROJECT: W-5206V

PROJECT: 45336.3.FR22



DESIGN DATA
AADT(2011) = 3600
V = 55 (POSTED)
= 45 (ADVISORY)

PROJECT LENGTH
LENGTH ROADWAY PROJECT = 0.417 MILES

RIGHT OF WAY DATE:
NA

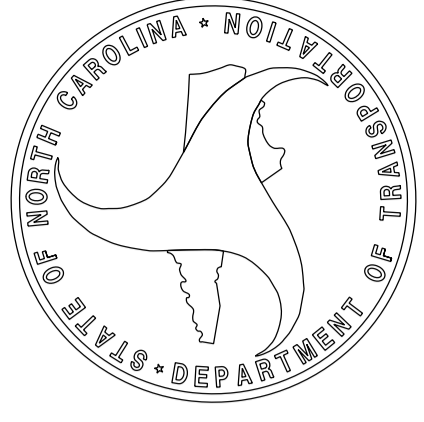
LETTING DATE:
APRIL 16, 2014

Prepared in the Office of:
DIVISION OF HIGHWAYS
431 Transportation Dr., Fayetteville NC, 28301

2012 STANDARD SPECIFICATIONS

SCOTT PRIDGEN
PROJECT ENGINEER

SEAN MATUSZEWSKI
PROJECT DESIGN ENGINEER



Note: Not to Scale

*S.U.E. = Subsurface Utility Engineering




STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS



PROJECT REFERENCE NO.
W-5206V

SHEET NO.
/B













CONVENTIONAL PLAN SHEET SYMBOLS

BOUNDARIES AND PROPERTY:



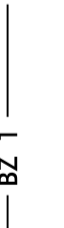




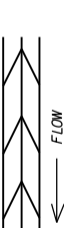


State Line _____
 County Line _____
 Township Line _____
 City Line _____
 Reservation Line _____
 Property Line _____
 Existing Iron Pin  _____
 Property Corner _____
 Property Monument  _____
 Parcel/Sequence Number  _____
 Existing Fence Line _____
 Proposed Woven Wire Fence _____
 Proposed Chain Link Fence _____
 Proposed Barbed Wire Fence _____
 Existing Wetland Boundary _____
 Proposed Wetland Boundary _____
 Existing Endangered Animal Boundary _____
 Existing Endangered Plant Boundary _____

Known Soil Contamination: Area or Site  _____
 Potential Soil Contamination: Area or Site  _____




BUILDINGS AND OTHER CULTURE:

Gas Pump  _____
 Vent or UG Tank Cap  _____
 Sign  _____
 Well  _____
 Small Mine  _____
 Foundation  _____
 Area Outline  _____
 Cemetery  _____
 Building  _____
 School  _____
 Church  _____
 Dam  _____








HYDROLOGY:

Stream or Body of Water _____
 Hydro, Pool or Reservoir  _____
 Jurisdictional Stream  _____
 Buffer Zone 1  _____
 Buffer Zone 2  _____
 Flow Arrow  _____
 Disappearing Stream  _____
 Spring  _____
 Wetland  _____
 Proposed Lateral, Tail, Head Ditch  _____
 False Sump  _____


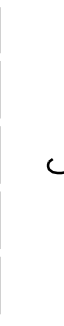



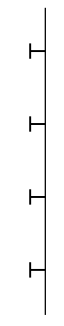

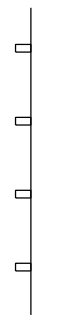



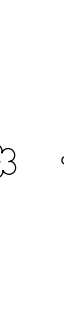

RAILROADS:

Standard Gauge  _____
 RR Signal Milepost  _____
 Switch  _____
 RR Abandoned _____
 RR Dismantled _____






RIGHT OF WAY:

Baseline Control Point  _____
 Existing Right of Way Marker  _____
 Existing Right of Way Line _____
 Proposed Right of Way Line _____
 Proposed Right of Way Line with Iron Pin and Cap Marker  _____
 Proposed Right of Way Line with Concrete or Granite RW Marker  _____
 Proposed Control of Access Line with Concrete CA Marker  _____
 Existing Control of Access  _____
 Proposed Control of Access _____
 Existing Easement Line _____
 Proposed Temporary Construction Easement _____
 Proposed Temporary Drainage Easement _____
 Proposed Permanent Drainage Easement _____
 Proposed Permanent Drainage / Utility Easement _____
 Proposed Permanent Utility Easement _____
 Proposed Temporary Utility Easement _____
 Proposed Aerial Utility Easement _____
 Proposed Permanent Easement with Iron Pin and Cap Marker  _____




ROADS AND RELATED FEATURES:

Existing Edge of Pavement _____
 Existing Curb _____
 Proposed Slope Stakes Cut  _____
 Proposed Slope Stakes Fill  _____
 Proposed Curb Ramp  _____
 Existing Metal Guardrail  _____
 Proposed Guardrail  _____
 Existing Cable Guiderail  _____
 Proposed Cable Guiderail  _____
 Equality Symbol  _____
 Pavement Removal  _____
VEGETATION:
 Single Tree  _____
 Single Shrub  _____
 Hedge  _____
 Woods Line  _____




WATER:

Water Manhole  _____
 Water Meter  _____
 Water Valve  _____
 Water Hydrant  _____
 Recorded UG Water Line _____
 Designated UG Water Line (S.U.E.*) _____
 Above Ground Water Line _____
 A/G Water  _____



TV:

TV Satellite Dish  _____
 TV Pedestal  _____
 TV Tower  _____
 UG TV Cable Hand Hole _____
 Recorded UG TV Cable _____
 Designated UG TV Cable (S.U.E.*) _____
 Recorded UG Fiber Optic Cable _____
 Designated UG Fiber Optic Cable (S.U.E.*) _____







GAS:

Gas Valve  _____
 Gas Meter  _____
 Recorded UG Gas Line _____
 Designated UG Gas Line (S.U.E.*) _____
 Above Ground Gas Line _____
 A/G Gas  _____




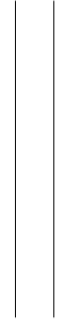
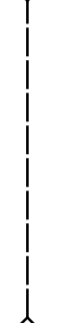
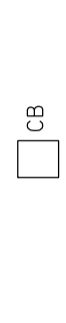


SANITARY SEWER:

Sanitary Sewer Manhole  _____
 Sanitary Sewer Cleanout  _____
 UG Sanitary Sewer Line _____
 Above Ground Sanitary Sewer _____
 Recorded SS Forced Main Line _____
 Designated SS Forced Main Line (S.U.E.*) _____









MISCELLANEOUS:

Utility Pole  _____
 Utility Pole with Base  _____
 Utility Located Object  _____
 Utility Traffic Signal Box  _____
 Utility Unknown UG Line _____
 UG Tank; Water, Gas, Oil _____
 Underground Storage Tank, Approx. Loc. _____
 AG Tank; Water, Gas, Oil _____
 Geoenvironmental Boring  _____
 UG Test Hole (S.U.E.*)  _____
 Abandoned According to Utility Records _____
 End of Information _____
 E.O.I. _____







EXISTING STRUCTURES:




MAJOR:
 Bridge, Tunnel or Box Culvert  _____
 Bridge Wing Wall, Head Wall and End Wall  _____
 MINOR:
 Head and End Wall  _____
 Pipe Culvert  _____
 Footbridge  _____
 Drainage Box: Catch Basin, DI or JB _____
 Paved Ditch Gutter  _____
 Storm Sewer Manhole  _____
 Storm Sewer  _____



UTILITIES:


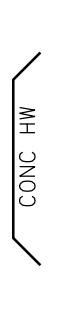
POWER:
 Existing Power Pole  _____
 Proposed Power Pole  _____
 Existing Joint Use Pole  _____
 Proposed Joint Use Pole  _____
 Power Manhole  _____
 Power Line Tower  _____
 Power Transformer  _____
 UG Power Cable Hand Hole _____
 H-Frame Pole  _____
 Recorded UG Power Line _____
 Designated UG Power Line (S.U.E.*) _____

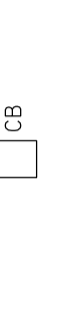
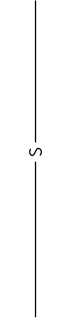
TELEPHONE:

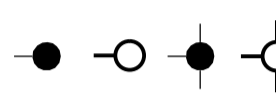
Existing Telephone Pole  _____
 Proposed Telephone Pole  _____
 Telephone Manhole  _____
 Telephone Booth  _____
 Telephone Pedestal  _____
 Telephone Cell Tower  _____
 UG Telephone Cable Hand Hole _____
 Recorded UG Telephone Cable _____
 Designated UG Telephone Cable (S.U.E.*) _____
 Recorded UG Telephone Conduit _____
 Designated UG Telephone Conduit (S.U.E.*) _____
 Recorded UG Fiber Optics Cable _____
 Designated UG Fiber Optics Cable (S.U.E.*) _____


 CSX TRANSPORTATION
 MILEPOST 35
 SWITCH


 Orchard
 Vineyard

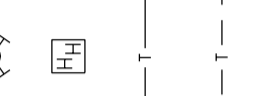
 CONC. WW
 CONC. HW

 CB
 S





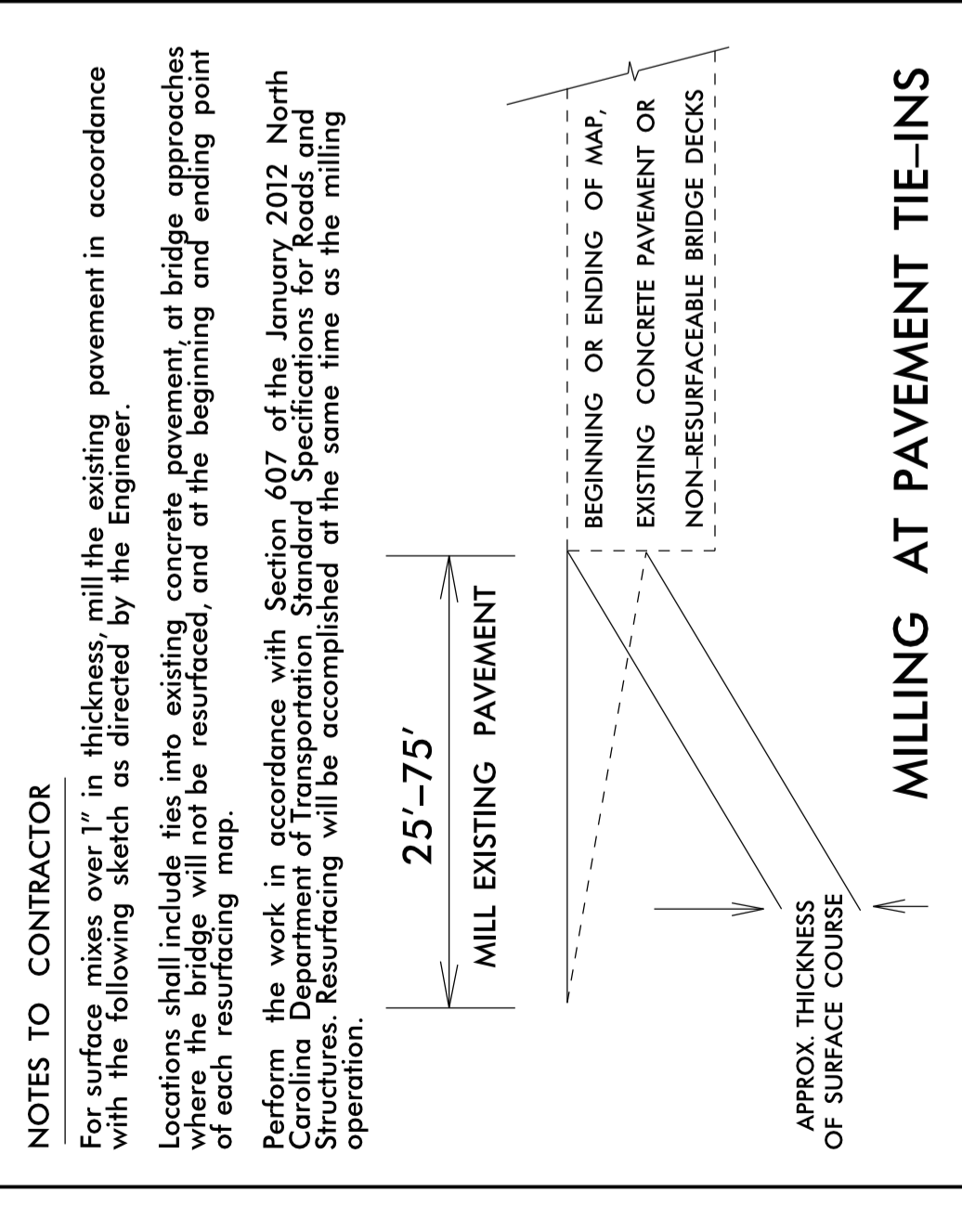
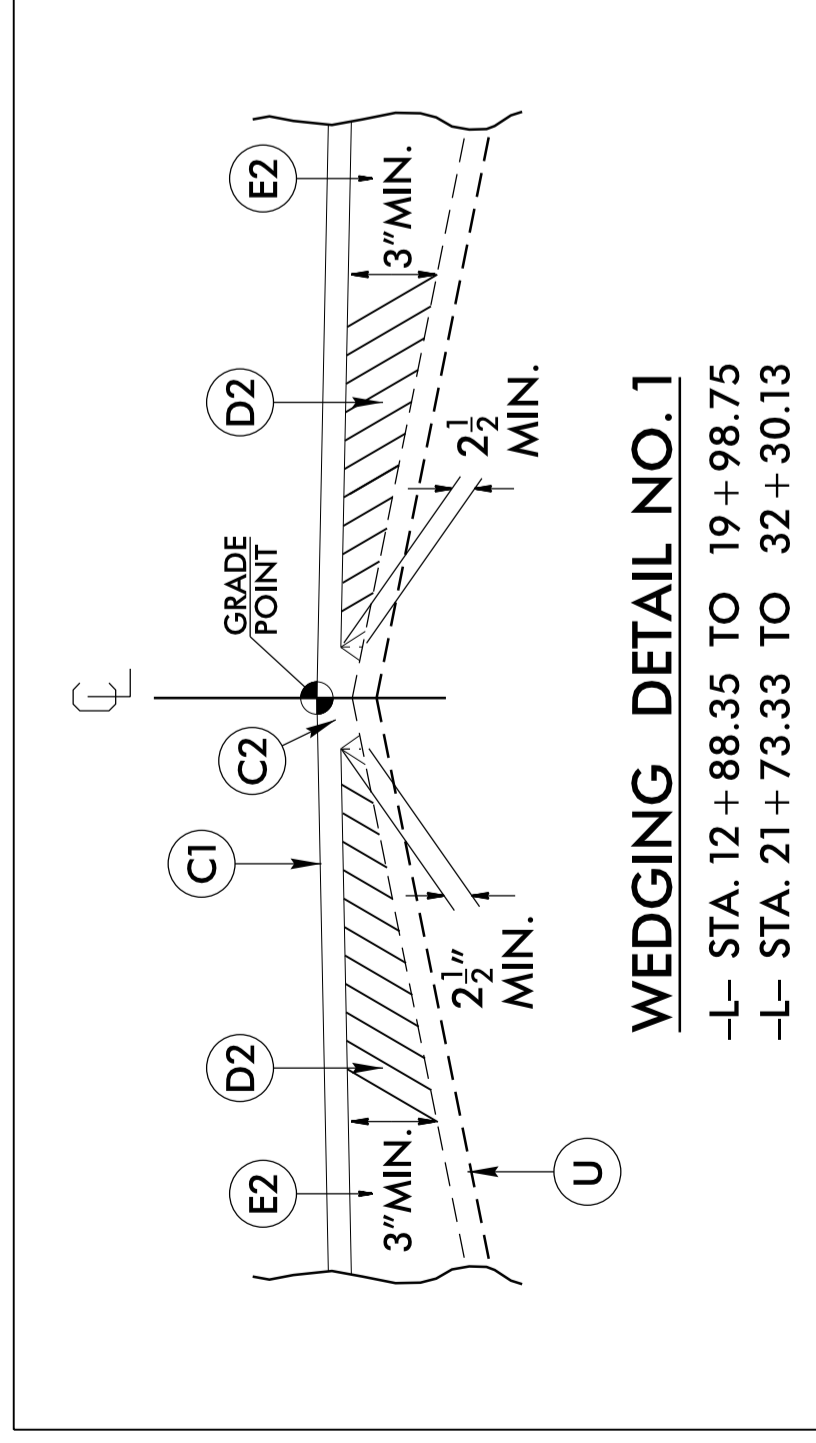




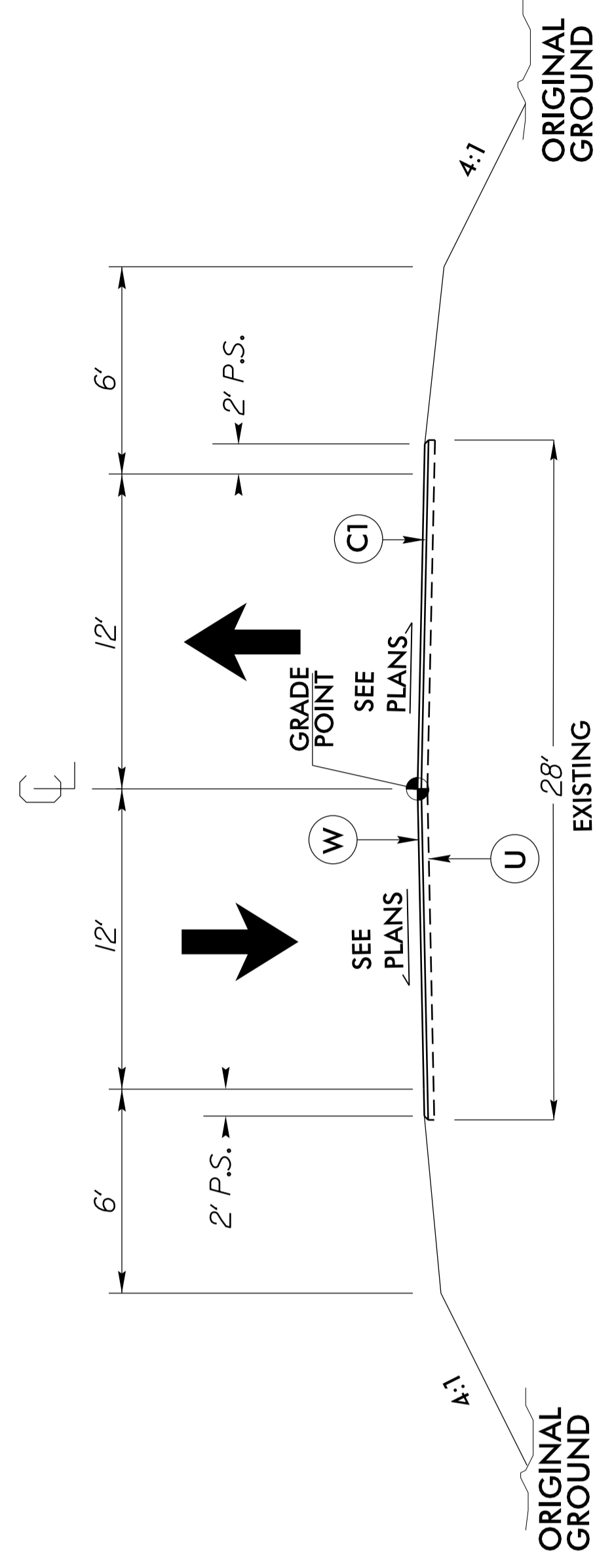


PAVEMENT SCHEDULE	
C1	PROP. APPROX. 3" ASPHALT CONCRETE SURFACE COURSE TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD. IN EACH OF TWO LAYERS.
C2	PROP. VAR. DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 112 LBS. PER SQ. YD. PER 1" DEPTH. TO BE PLACED IN LAYERS NOT TO EXCEED 2 1/2" IN DEPTH.
D2	PROP. VAR DEPTH ASPHALT CONC. INTERMEDIATE COURSE, TYPE I19.0B, AT AN AVERAGE RATE OF 114 LBS PER SQ. YD. PER 1" DEPTH TO BE PLACED IN LAYERS NOT LESS THAN 2 1/2" OR GREATER THAN 4" IN DEPTH.
E2	PROP. VAR. DEPTH ASPHALT CONC. BASE COURSE, TYPE B25.0B, AT AN AVERAGE RATE OF 114 LBS PER SQ. YD. PER 1" DEPTH. TO BE PLACED IN LAYERS NOT GREATER THAN 5.5" IN DEPTH OR LESS THAN 3" IN DEPTH
U	EXISTING PAVEMENT
W	WEDGING

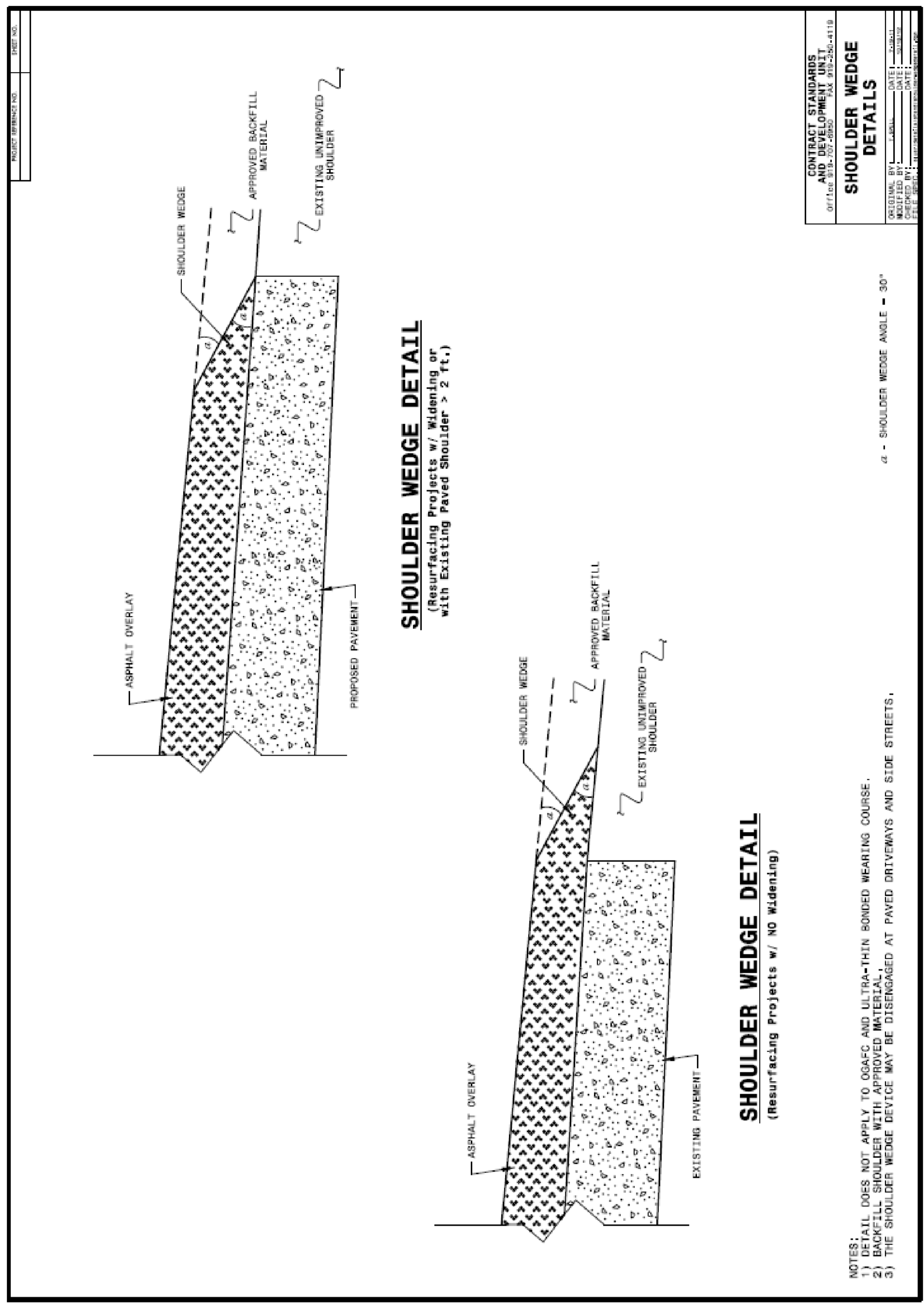
NOTE: PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE.



- PROJECT NOTES**
- The Contractor shall not work on both sides of the road simultaneously within the same area.
 - Ingress and egress shall be maintained to all businesses and dwellings on the project.
 - At the end of each workday, the Contractor shall be required to backfill any area adjacent to existing travelway that has been graded leaving no more than a 1 1/2" drop-off.
 - A minimum of two-way, two-lane traffic (plus all existing left and right turn lanes) shall be maintained during periods of construction inactivity.
 - The Contractor shall not be allowed to stop traffic for more than 5 minutes at a time in any one direction.
 - During periods of construction inactivity, the difference in elevation between lanes shall not exceed 1-1/2 inch.
 - During periods of construction inactivity, place cones/drums 3' from existing edge of pavement (travelway) as directed by the Engineer.
 - Contractor to install Erosion Control devices as directed by the Engineer.
 - Contractor shall coordinate with the Division Six Traffic Services Unit for placement of all pavement markings and signs.
 - Removal of existing road signs is incidental to the project.
 - Access to police and fire station, fire hydrants, and hospitals shall be maintained at all times.



TYPICAL SECTION 1
-L- STA. 11 + 75.00 TO 33 + 75.00



- NOTES:**
 DETAIL DOES NOT APPLY TO OGAC AND ULTRA-THIN BONDED WEARING COURSE.
 1) BACKFILL SHOULDER WITH APPROVED MATERIAL.
 2) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS AND SIDE STREETS.

α - SHOULDER WEDGE ANGLE - 30°

CONTRACT STANDARDS AND DEVELOPMENT UNIT 01/11/2013-10:20:55 AM 2013-08-14 119	
SHOULDER WEDGE DETAILS	
ORIGINAL BY: [blank]	DATE: [blank]
MODIFIED BY: [blank]	DATE: [blank]
APPROVED BY: [blank]	

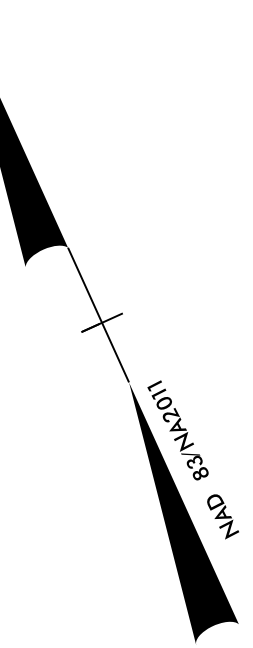
PI Sta 16+46.24
 $\Delta = 25' 30'' 54.7''$ (LT)
 $D = 8' 00'' 48.2''$
 $L = 318.41'$
 $T = 161.89'$
 $R = 715.00'$

PI Sta 27+26.41
 $\Delta = 51' 49'' 25.1''$ (RT)
 $D = 7' 47'' 43.2''$
 $L = 664.80'$
 $T = 357.08'$
 $R = 735.00'$

BL-3
 STA. 21+48.93 -L-
 LT 17.33'
 N 571583.6012
 E 197729.0335
 ELEV 313.02'

BL-2
 STA. 15+63.02 -L-
 RT 18.06'
 N 57006.0582
 E 197762.7625
 ELEV 314.39'

DATUM DESCRIPTION
 THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NEDOT FOR MONUMENT "W5260V-2".
 WITH NAD 83/NAZ011 STATE PLANE GRID COORDINATES OF NORTHING: 570085.0230(+1) EASTING: 1976967.6870(+1) ELEVATION: 325.30(+ft)
 THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.99986347
 THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "W5260V-2" TO -L- STATION 11+75 IS 139.9956" N 34°15'33"E
 ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES VERTICAL DATUM USED IS NAVD 88



**W-5206V
 BEGIN PROJECT
 -L- STA 11+75**

CATHERINE B. EVANS
 AND PERCY FLOYD
 DB 1939 PG 794

RANDAL G
 MORRIS
 DB 1391 PG 987
 PB 99 PG 533

CARRIE MORRIS
 DB 1391 PG 989
 PB 99 PG 533

L. C. HALL
 DB 1391 PG 991
 PB 99 PG 533

ANNIE M. FISHER
 DB 2469 PG 947

JAMES SCOTT
 & WIFE GWEN
 DB 978 PG 53

COY MICHAEL BLUE
 & WIFE SANDRA
 DB 1494 PG 636

ANDREW HOEL
 DB 2095 PG 166

ISMAEL PEREZ
 PB 99 PG 259

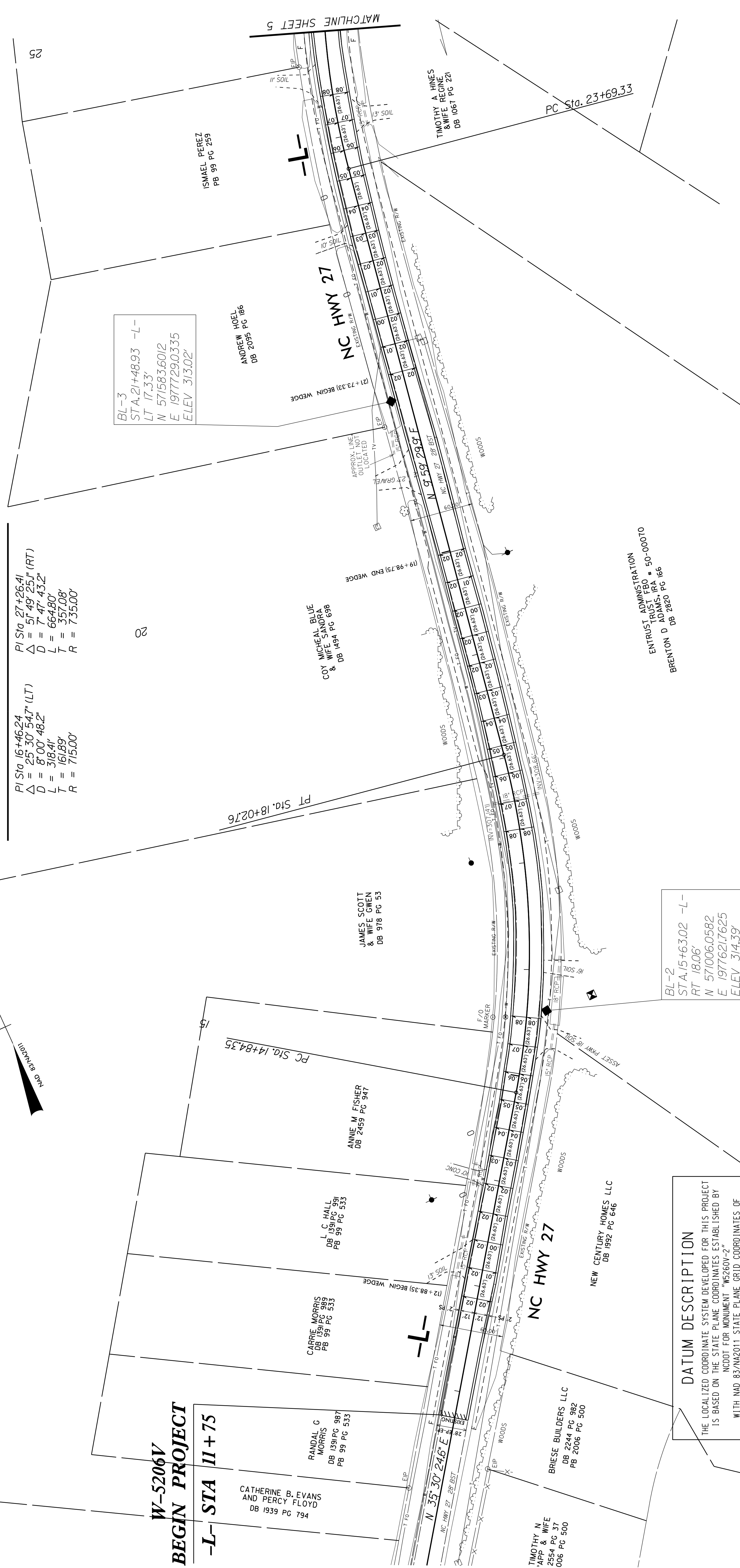
TIMOTHY N
 APP & WIFE
 2554 PG 37
 006 PG 500

BRIESE BUILDERS LLC
 DB 2244 PG 982
 PB 2006 PG 500

NEW CENTURY HOMES LLC
 DB 1992 PG 646

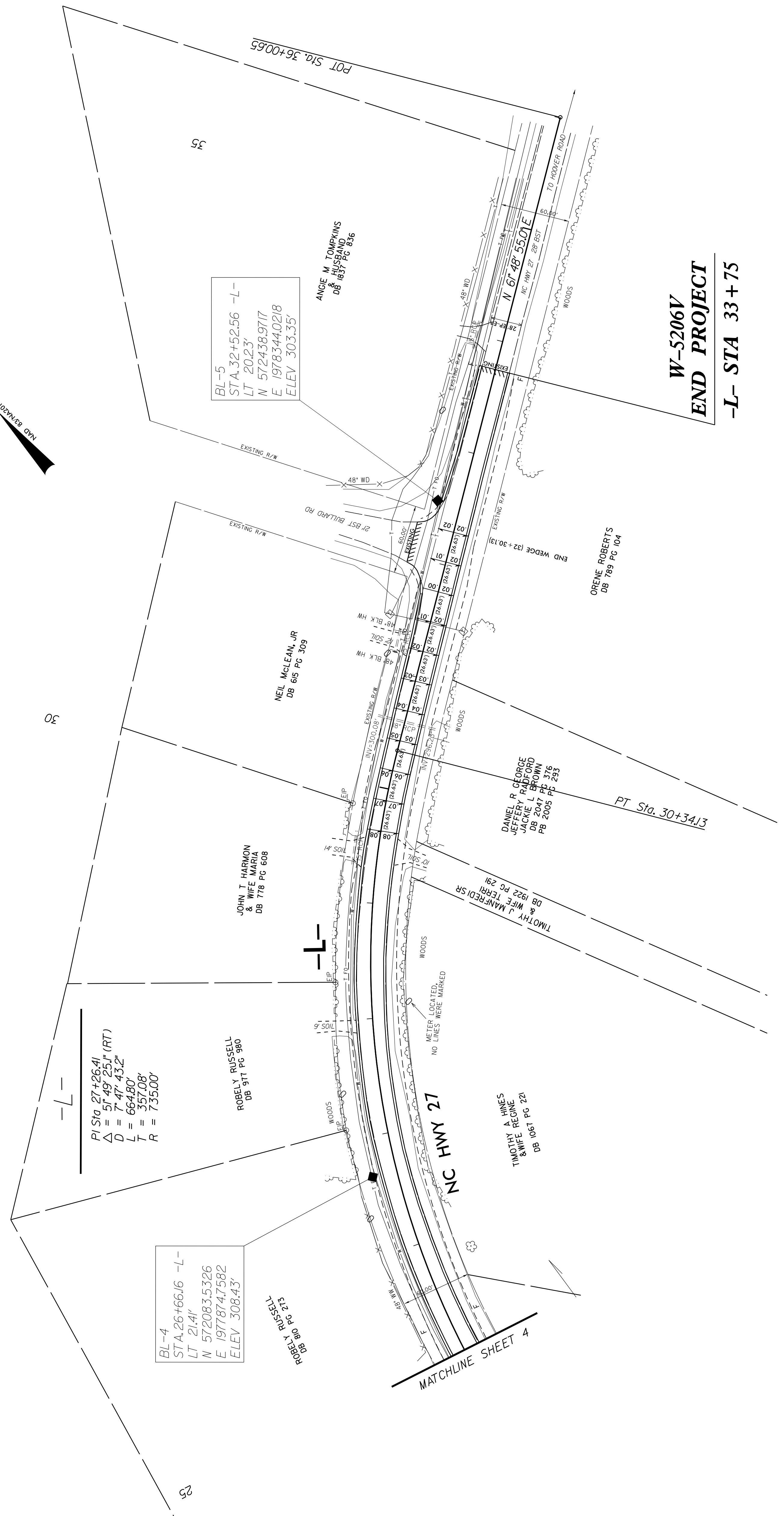
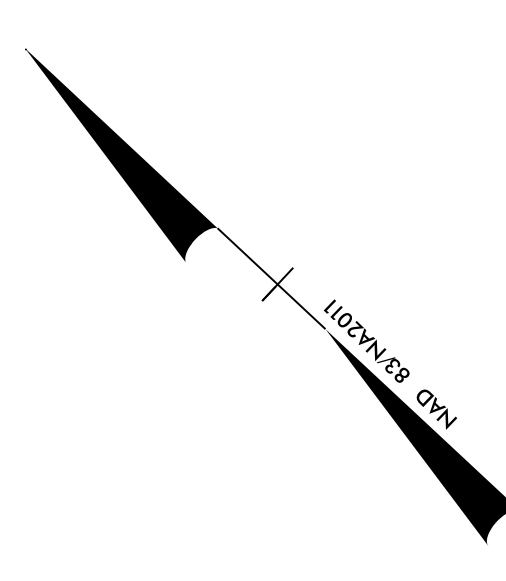
ENTRUST ADMINISTRATION
 TRUST FBO # 50-00070
 BRENTON D ADAMS, IRA 166
 DB 2820 PG 166

TIMOTHY A HINES
 & WIFE REGINE
 DB 1067 PG 221



MATCHLINE SHEET 5

REVISIONS



**W-5206V
END PROJECT
-L- STA 33+75**

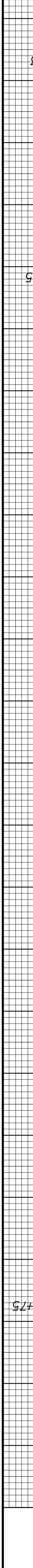
MATCHLINE SHEET 4

PI Sta. 27+26.41
Δ = 51°49'25.1\"/>

BL-4
STA. 26+66.16 -L-
LT 21.41'
N 572083.5326
E 19778747582
ELEV 308.43'

BL-5
STA. 32+52.56 -L-
LT 20.23'
N 572438.9717
E 197834440218
ELEV 303.35'

REVISIONS



350	340	330	320	310	300	290	280	270	260
350	340	330	320	310	300	290	280	270	260

BEGIN PROJECT 3' OVERLAY STA. 11+75 (TIE TO EXISTING)

BEGIN WEDGE STA. 12+88.35

END WEDGE STA. 19+98.75

END WEDGE STA. 32+30.13

END PROJECT 3' OVERLAY STA. 33+75 (TIE TO EXISTING)

PI = 20+00.00
EL = 313.95'
VC = 26'

PI = 31+50.00
EL = 303.76'
VC = 10'

(+)-0.3700% (+)-0.2250%

314.40 314.29 314.17 314.06 313.95 313.76 313.58

303.08 303.81 303.53 303.66 303.64 303.52 303.40

310 300 290 280 270 260

10+00 11+00 12+00 13+00 14+00 15+00 16+00 17+00 18+00 19+00 20+00 21+00 22+00 23+00 24+00

350 340 330 320 310 300 290 280 270 260

24+00 25+00 26+00 27+00 28+00 29+00 30+00 31+00 32+00 33+00 34+00 35+00 36+00

350 340 330 320 310 300 290 280 270 260

24+00 25+00 26+00 27+00 28+00 29+00 30+00 31+00 32+00 33+00 34+00 35+00 36+00

350 340 330 320 310 300 290 280 270 260

24+00 25+00 26+00 27+00 28+00 29+00 30+00 31+00 32+00 33+00 34+00 35+00 36+00

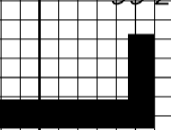
350 340 330 320 310 300 290 280 270 260

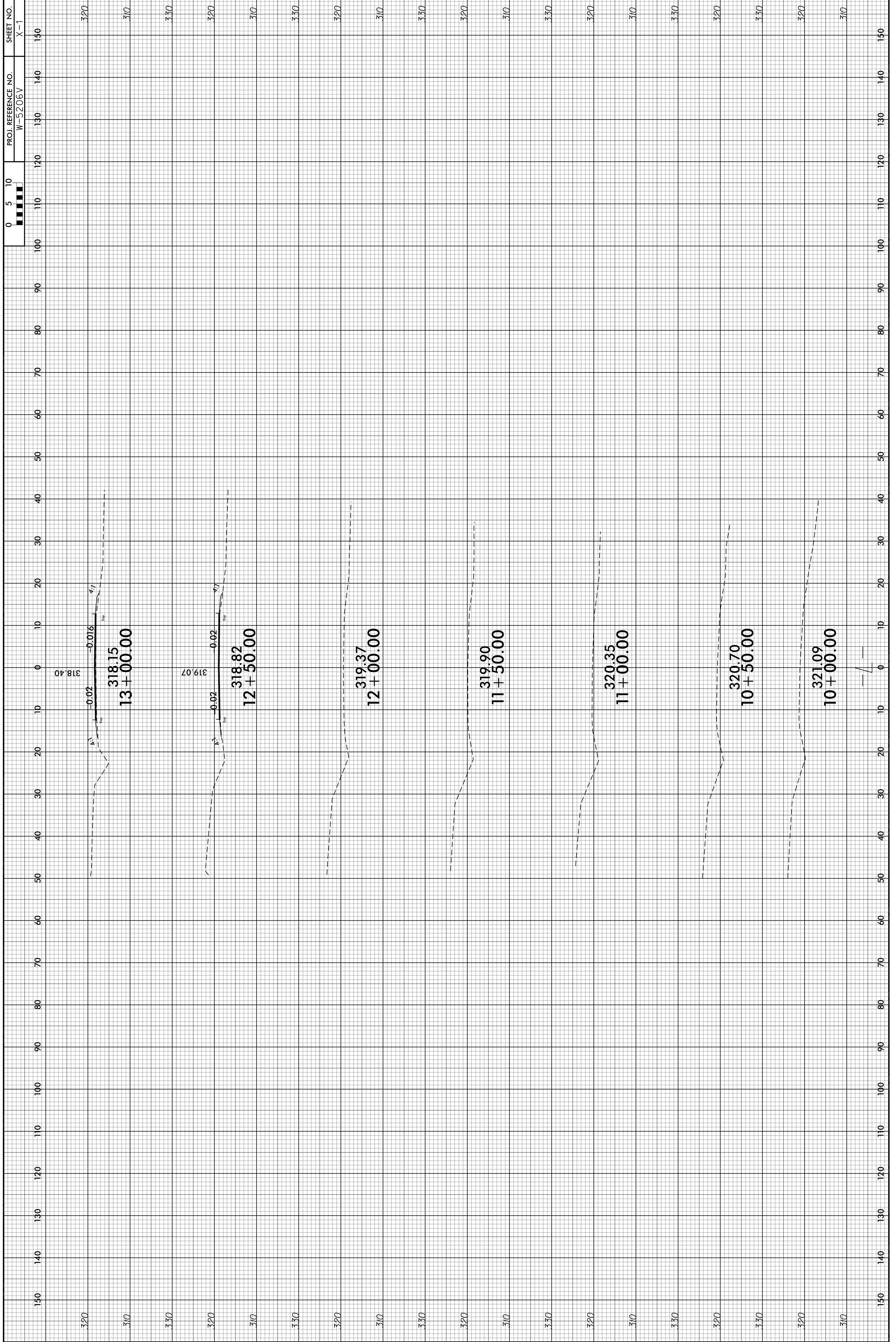
24+00 25+00 26+00 27+00 28+00 29+00 30+00 31+00 32+00 33+00 34+00 35+00 36+00

350 340 330 320 310 300 290 280 270 260

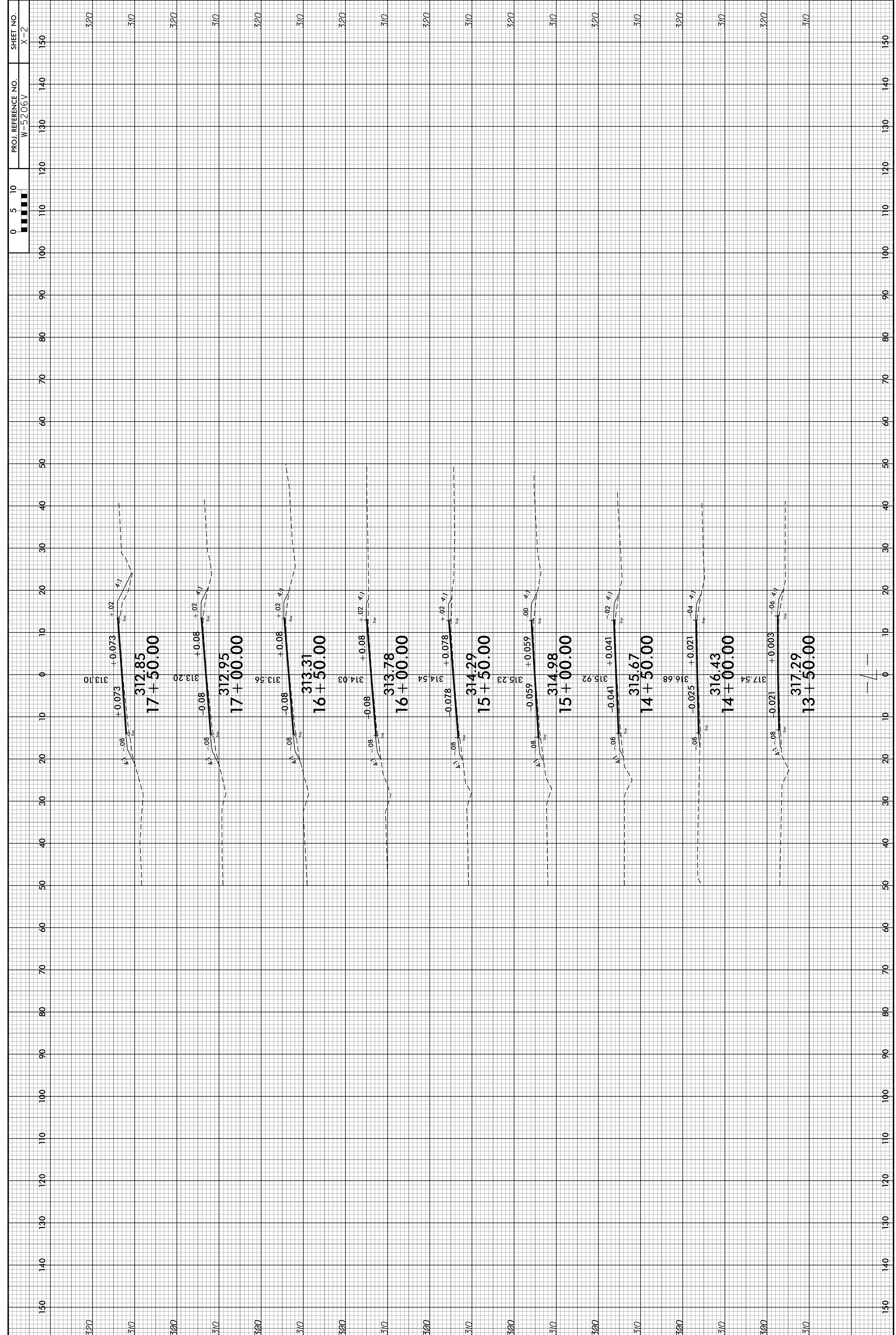
24+00 25+00 26+00 27+00 28+00 29+00 30+00 31+00 32+00 33+00 34+00 35+00 36+00

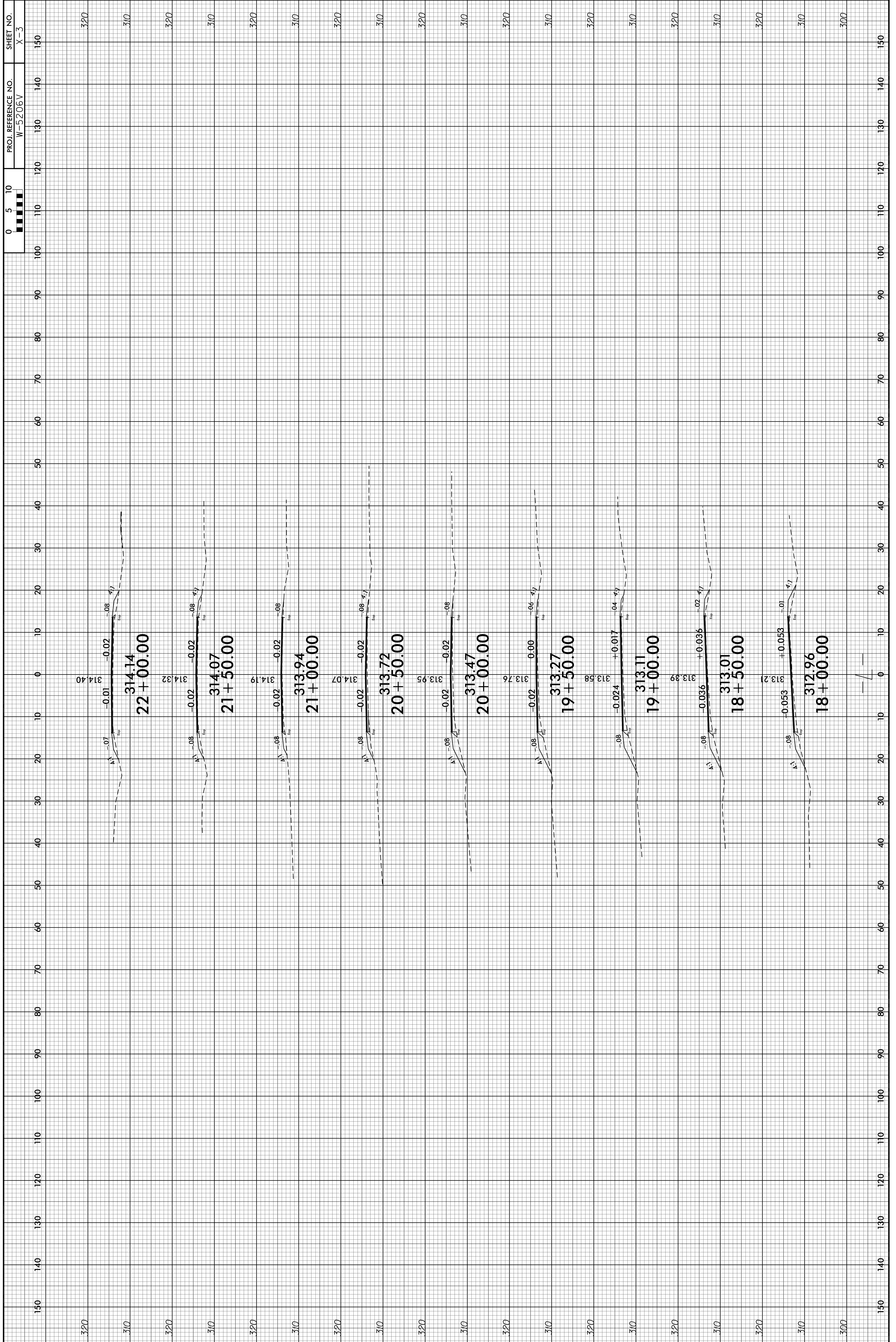
350 340 330 320 310 300 290 280 270 260





0 5 10
 PROJ. REFERENCE NO.
 W-5206V
 SHEET NO.
 X-1





PROJ. REFERENCE NO.
 W-5206V

SHEET NO.
 X-3

