PROJECT: 45340.3.5 TIP:W-5210E

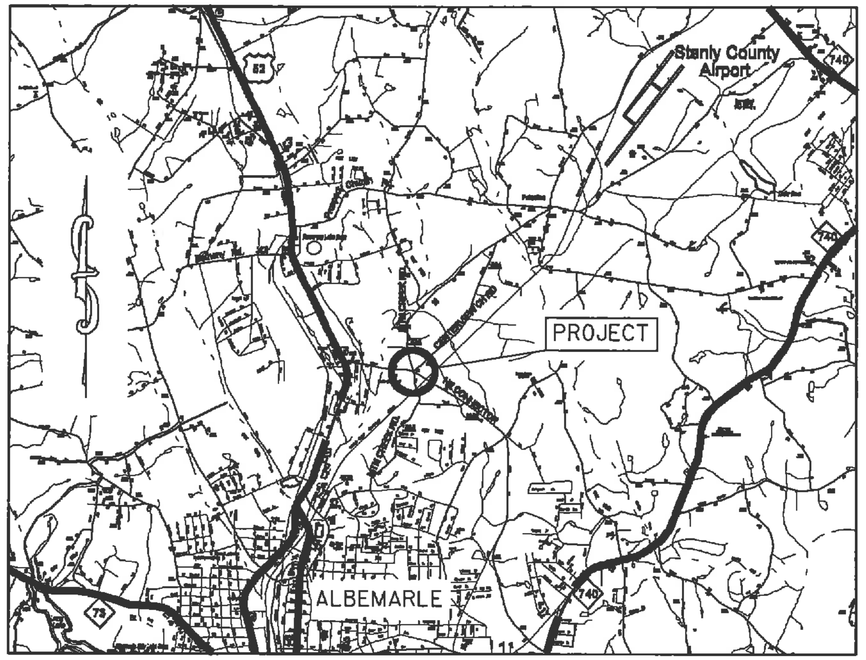
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	45340.3.5	1	

STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION
45340.1.5	HSIP-1650(4)	P.E.
45340.2.5		R/W
45340.3.5		CONST.

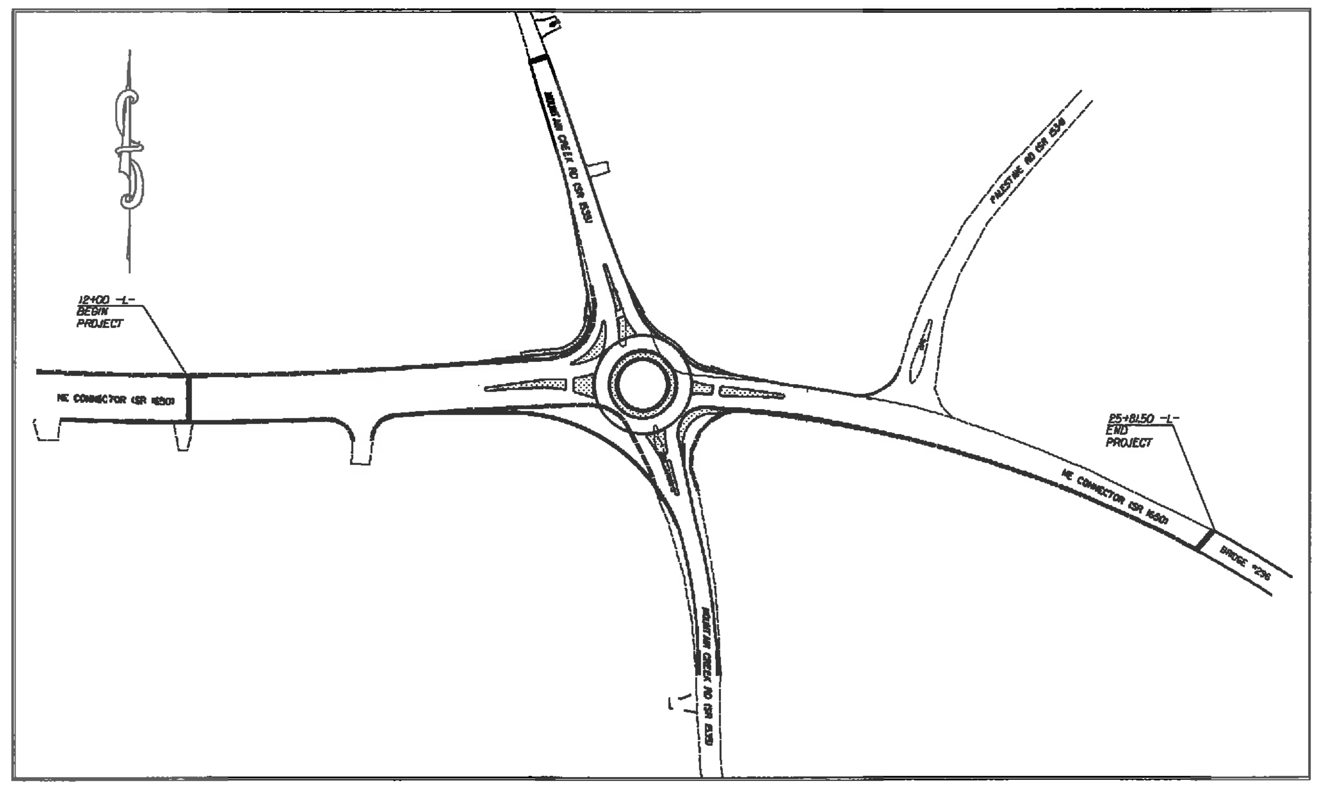
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS
STANLY COUNTY

LOCATION: *ROUNDABOUT AT THE INTERSECTION OF NE CONNECTOR (SR-1650) AND MOUNTAIN CREEK RD. (SR-1535)*

TYPE OF WORK: *GRADING, PAVING, DRAINAGE, CONCRETE ISLANDS & THERMOPLASTIC PAVEMENT MARKINGS*



VICINITY MAP NOT TO SCALE



CLEARING ON THIS PROJECT SHALL BE TO THE LIMITS ESTABLISHED BY METHOD II AS DESCRIBED IN THE NCDOT STANDARD DRAWINGS

GRAPHIC SCALES

PLANS: 0 50 100

PROFILE (HORIZONTAL): 0 50 100

PROFILE (VERTICAL): 0 5 10

DESIGN DATA

ADT 2009 = 9,000
ADT 2022 = 11,600
DHV = 10 %
D = %
T = <1 %
V = 50 MPH

PROJECT LENGTH

LENGTH OF ROADWAY PROJECT 45340.3.5 = 0.26 MILES

TOTAL LENGTH OF STATE PROJECT 45340.3.5 = 0.26 MILES

Prepared in the Office of:

DIVISION OF HIGHWAYS
DIVISION TEN
DIVISION DESIGN / CONSTRUCT UNIT

2012 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE: MAY 2, 2012

LETTING DATE: JUNE 27, 2012

RANDY BOWERS
PROJECT ENGINEER

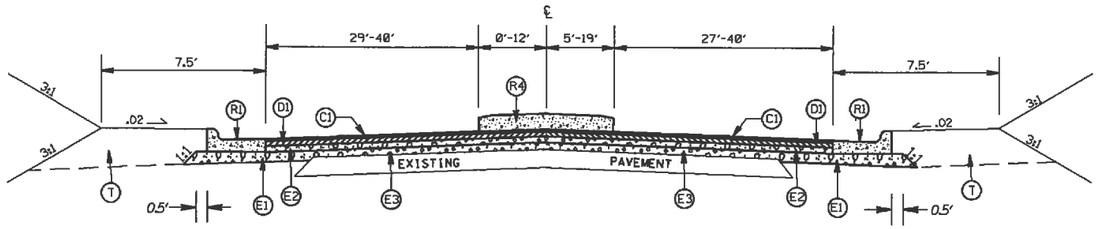
TERRY BURLESON
PROJECT DESIGN ENGINEER

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

APPROVED BY
DDC ENGINEER DATE

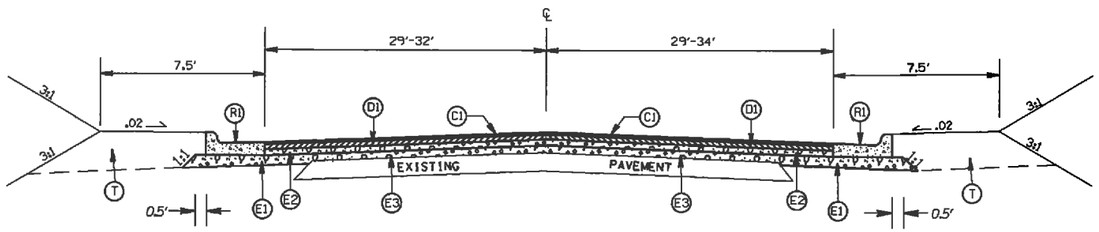
31-MAY-2012 10:30
S:\DDC\RDY\Stanly\NE connector_mtn.creek
jdharward AT D10DIVCAD258894

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	45340.3.5	2	
F.A. PROJECT NO.			



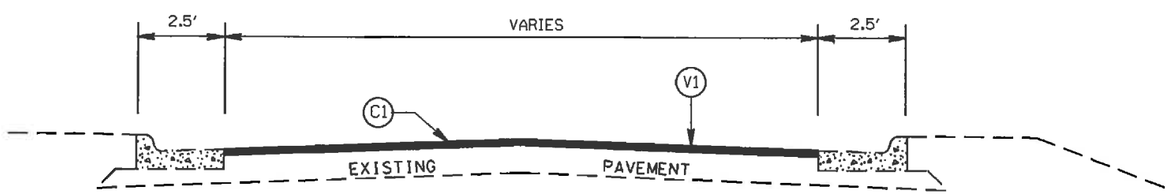
TYPICAL SECTION NO. 3

STA. 15+94.24 TO 17+36.28 -L-



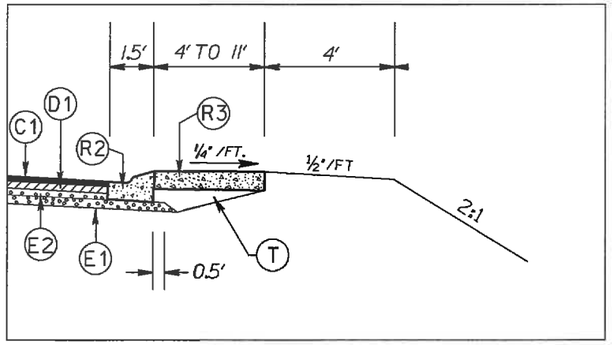
TYPICAL SECTION NO. 2

STA. 14+50 TO 15+94.24 -L-

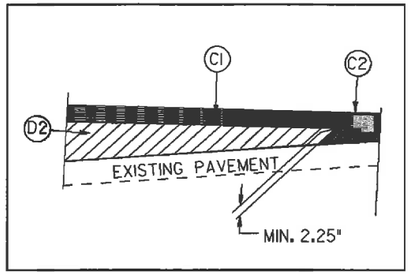


TYPICAL SECTION NO. 1

STA. 12+00 TO 14+50 -L-



APRON DETAIL 1



WEDGING DETAIL

PAVEMENT SCHEDULE

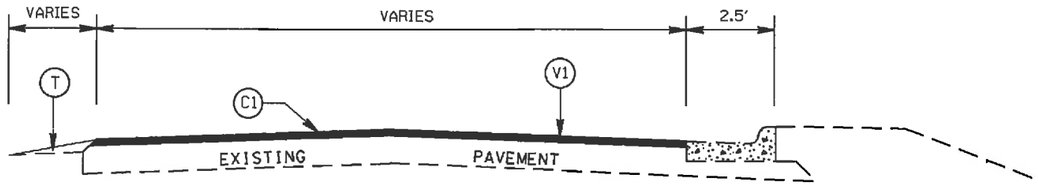
C1	PROP. APPROX. 1½" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
C2	PROP. VARIABLE DEPTH ASPHALT CONC. SURFACE COURSE.
D1	PROP. APPROX. 2.5 " ASPHALT CONC. BINDER COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 285 LBS. PER SQ. YD.
D2	PROP. VARIABLE DEPTH ASPHALT CONC. BINDER COURSE.
E1	PROP. APPROX. 5.0" ASPHALT CONC. BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 570 LBS. PER SQ. YD.
E2	PROP. APPROX. 3.0" ASPHALT CONC. BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 342 LBS. PER SQ. YD.
E3	PROP. VARIABLE DEPTH ASPHALT CONC. BASE COURSE.
R1	PROP. 2'-6" CURB & GUTTER
R2	PROP. 1'-6" CURB & GUTTER W/ BLACK TINT, CLASS AA CONCRETE
R3	PROP. 7" TRUCK MOUNTABLE CONC ISLAND W/ BLACK TINT, CLASS AA CONCRETE
R4	PROP. 5' MONOLITHIC CONCRETE ISLAND
T	EARTH MATERIAL
V1	MILLING ASPHALT PAVEMENT, 1.5" IN DEPTH

ROUNDABOUT AT THE INTERSECTION OF NE CONNECTOR (SR-1650) AND MOUNTAIN CREEK RD.(SR-1535)

SCALE	-NA-
DATE	9-11
DWG. BY	TWB
DESIGN BY	TWB
APPROVED	RWB

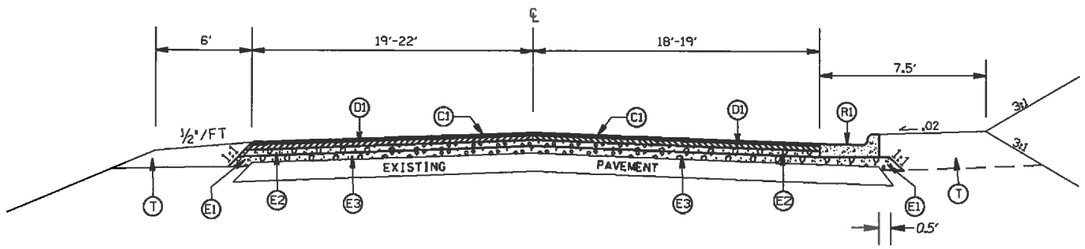
REVISIONS

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	45340.3.5	2A	
F.A. PROJECT NO.			



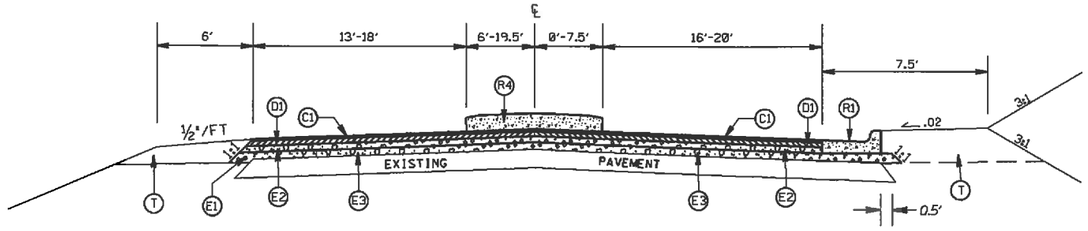
TYPICAL SECTION NO. 6

STA. 21+00 TO BRIDGE -L-



TYPICAL SECTION NO. 5

STA. 19+90.45 TO 21+00 -L-



TYPICAL SECTION NO. 4

STA. 18+66.29 TO 19+90.45 -L-

PAVEMENT SCHEDULE

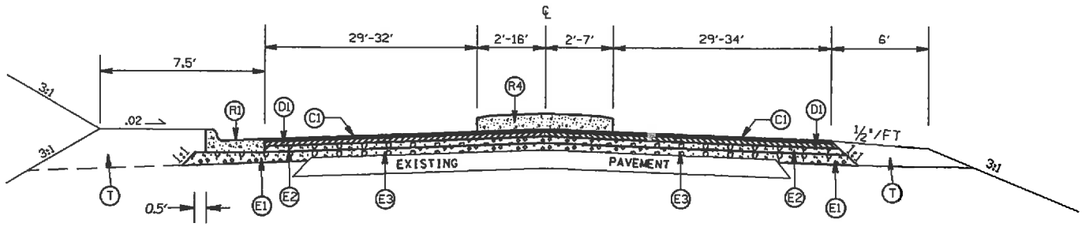
C1	PROP. APPROX. 1½" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
C2	PROP. VARIABLE DEPTH ASPHALT CONC. SURFACE COURSE.
D1	PROP. APPROX. 2.5 " ASPHALT CONC. BINDER COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 285 LBS. PER SQ. YD.
D2	PROP. VARIABLE DEPTH ASPHALT CONC. BINDER COURSE.
E1	PROP. APPROX. 5.0" ASPHALT CONC. BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 570 LBS. PER SQ. YD.
E2	PROP. APPROX. 3.0" ASPHALT CONC. BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 342 LBS. PER SQ. YD.
E3	PROP. VARIABLE DEPTH ASPHALT CONC. BASE COURSE.
R1	PROP. 2'-6" CURB & GUTTER
R2	PROP. 1'-6" CURB & GUTTER W/ BLACK TINT, CLASS AA CONCRETE
R3	PROP. 7" TRUCK MOUNTABLE CONC ISLAND W/ BLACK TINT, CLASS AA CONCRETE
R4	PROP. 5' MONOLITHIC CONCRETE ISLAND
T	EARTH MATERIAL
V1	MILLING ASPHALT PAVEMENT, 1.5" IN DEPTH

ROUNDABOUT AT THE INTERSECTION OF NE CONNECTOR (SR-1650) AND MOUNTAIN CREEK RD.(SR-1535)

SCALE	-NA-
DATE	9-11
DWG. BY	TWB
DESIGN BY	TWB
APPROVED	RWB

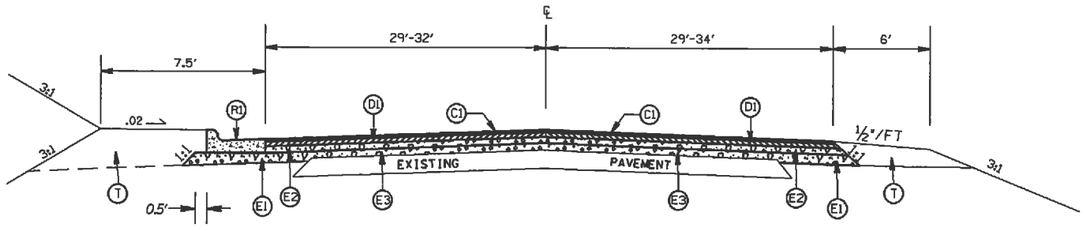
REVISIONS	

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	45340.3.5	2B	
F.A. PROJECT NO.			



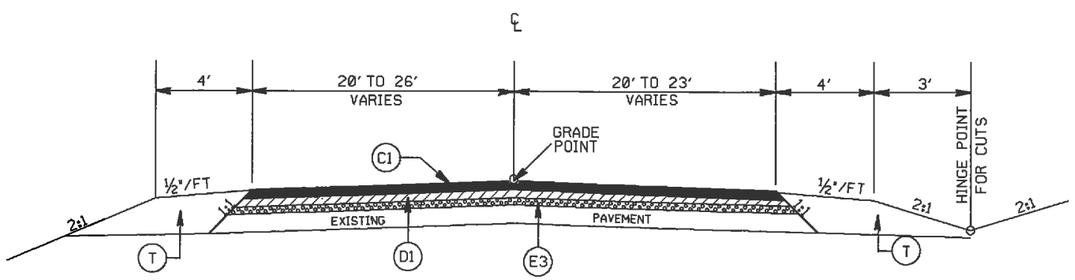
TYPICAL SECTION NO. 9

STA. 16+43.03 TO 17+30.91 -Y1-



TYPICAL SECTION NO. 8

STA. 16+14.34 TO 16+43.03 -Y1-



TYPICAL SECTION NO. 7

STA. 15+30.07 TO 16+14.34 -Y1-
STA. 19+62.72 TO 22+10.25 -Y1-

PAVEMENT SCHEDULE

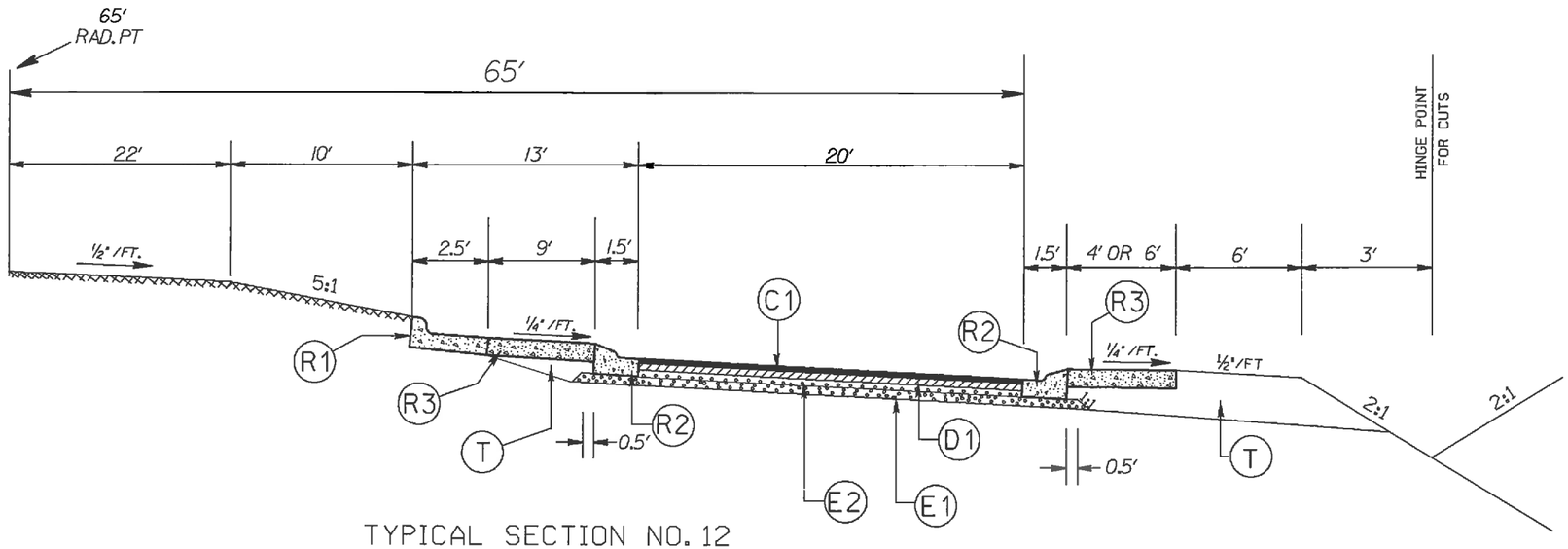
C1	PROP. APPROX. 1½" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
C2	PROP. VARIABLE DEPTH ASPHALT CONC. SURFACE COURSE.
D1	PROP. APPROX. 2.5 " ASPHALT CONC. BINDER COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 285 LBS. PER SQ. YD.
D2	PROP. VARIABLE DEPTH ASPHALT CONC. BINDER COURSE.
E1	PROP. APPROX. 5.0" ASPHALT CONC. BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 570 LBS. PER SQ. YD.
E2	PROP. APPROX. 3.0" ASPHALT CONC. BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 342 LBS. PER SQ. YD.
E3	PROP. VARIABLE DEPTH ASPHALT CONC. BASE COURSE.
R1	PROP. 2'-6" CURB & GUTTER
R2	PROP. 1'-6" CURB & GUTTER W/ BLACK TINT, CLASS AA CONCRETE
R3	PROP. 7" TRUCK MOUNTABLE CONC ISLAND W/ BLACK TINT, CLASS AA CONCRETE
R4	PROP. 5" MONOLITHIC CONCRETE ISLAND
T	EARTH MATERIAL
V1	MILLING ASPHALT PAVEMENT, 1.5" IN DEPTH

ROUNDABOUT AT THE INTERSECTION OF NE CONNECTOR (SR-1650) AND MOUNTAIN CREEK RD.(SR-1535)

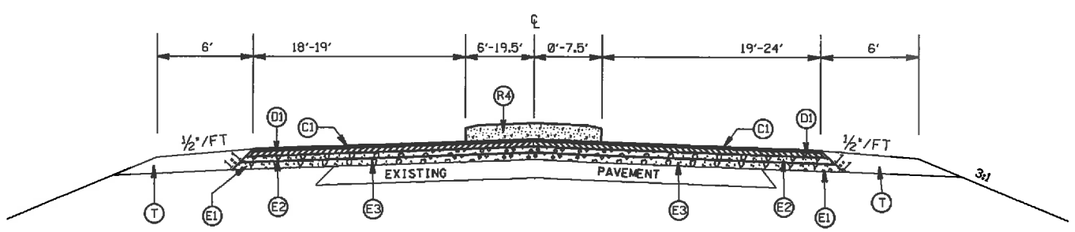
SCALE	-NA-
DATE	9-11
DWG. BY	TWB
DESIGN BY	TWB
APPROVED	RWB

REVISIONS

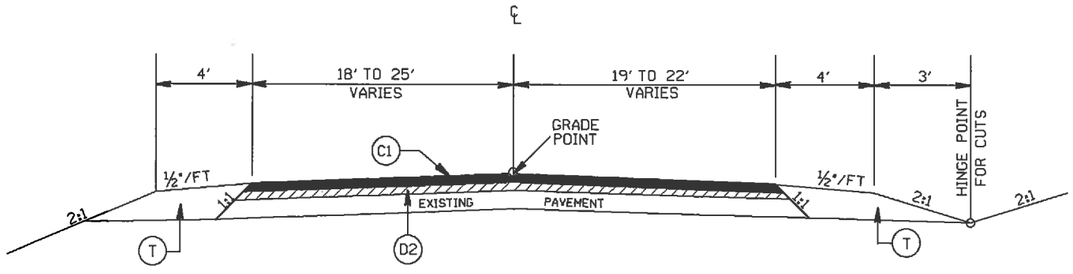
STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	45340.3.5	2C	
F.A. PROJECT NO.			



TYPICAL SECTION NO. 12
ROUNDABOUT



TYPICAL SECTION NO. 11
STA. 18+60.91 TO 19+62.72 -Y1-



TYPICAL SECTION NO. 10
STA. 14+00 TO 15+30.07 -Y1-
STA. 22+10.25 TO 22+50 -Y1-

PAVEMENT SCHEDULE

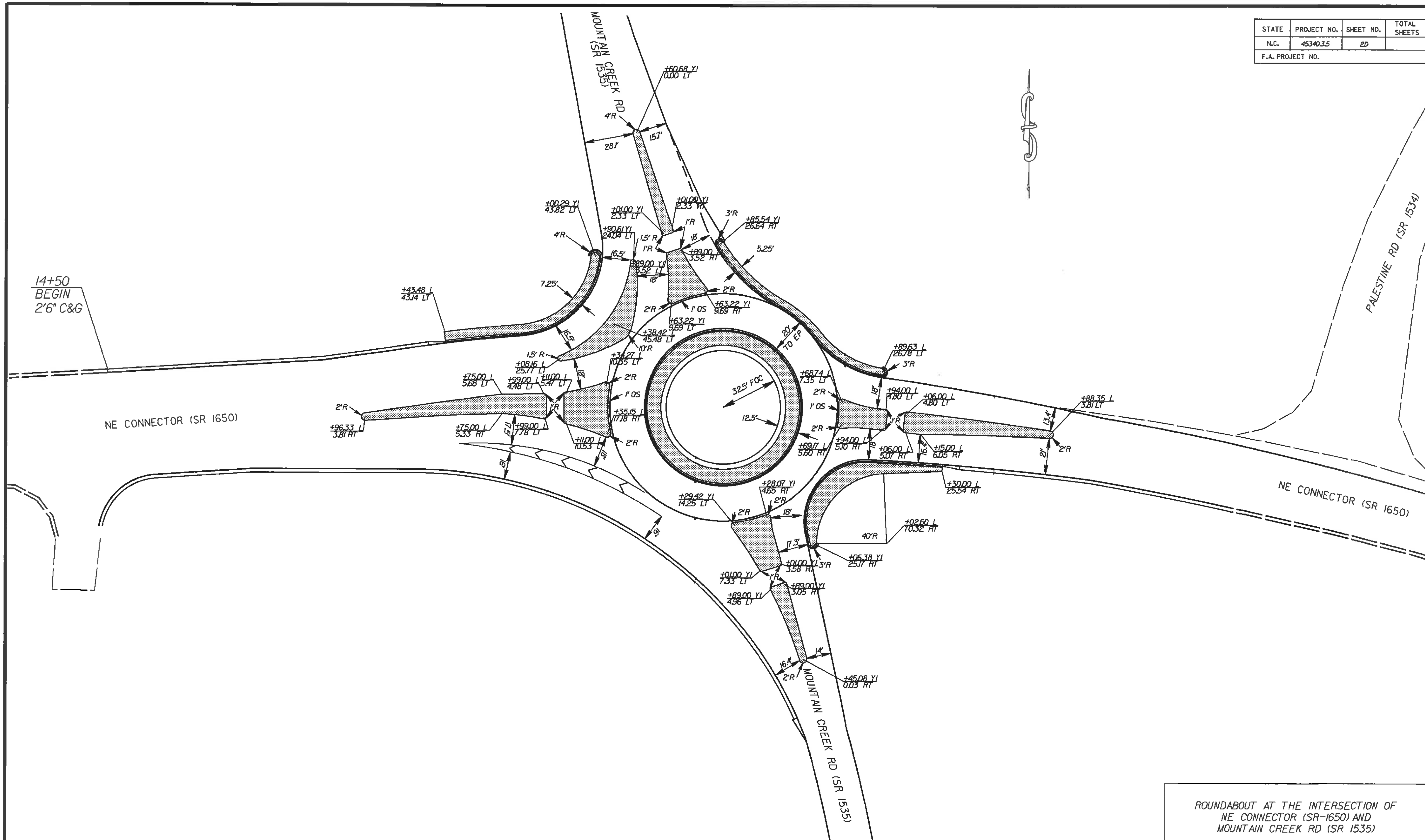
C1	PROP. APPROX. 1½" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
C2	PROP. VARIABLE DEPTH ASPHALT CONC. SURFACE COURSE.
D1	PROP. APPROX. 2.5 " ASPHALT CONC. BINDER COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 285 LBS. PER SQ. YD.
D2	PROP. VARIABLE DEPTH ASPHALT CONC. BINDER COURSE.
E1	PROP. APPROX. 5.0" ASPHALT CONC. BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 570 LBS. PER SQ. YD.
E2	PROP. APPROX. 3.0" ASPHALT CONC. BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 342 LBS. PER SQ. YD.
E3	PROP. VARIABLE DEPTH ASPHALT CONC. BASE COURSE.
R1	PROP. 2'-6" CURB & GUTTER
R2	PROP. 1'-6" CURB & GUTTER W/ BLACK TINT, CLASS AA CONCRETE
R3	PROP. 7" TRUCK MOUNTABLE CONC ISLAND W/ BLACK TINT, CLASS AA CONCRETE
R4	PROP. 5" MONOLITHIC CONCRETE ISLAND
T	EARTH MATERIAL
V1	MILLING ASPHALT PAVEMENT, 1.5" IN DEPTH

ROUNDABOUT AT THE INTERSECTION OF NE CONNECTOR (SR-1650) AND MOUNTAIN CREEK RD. (SR-1535)

SCALE	-NA-
DATE	9-11
DWG. BY	TWB
DESIGN BY	TWB
APPROVED	RWB

REVISIONS	

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	45340.3.5	2D	
F.A. PROJECT NO.			



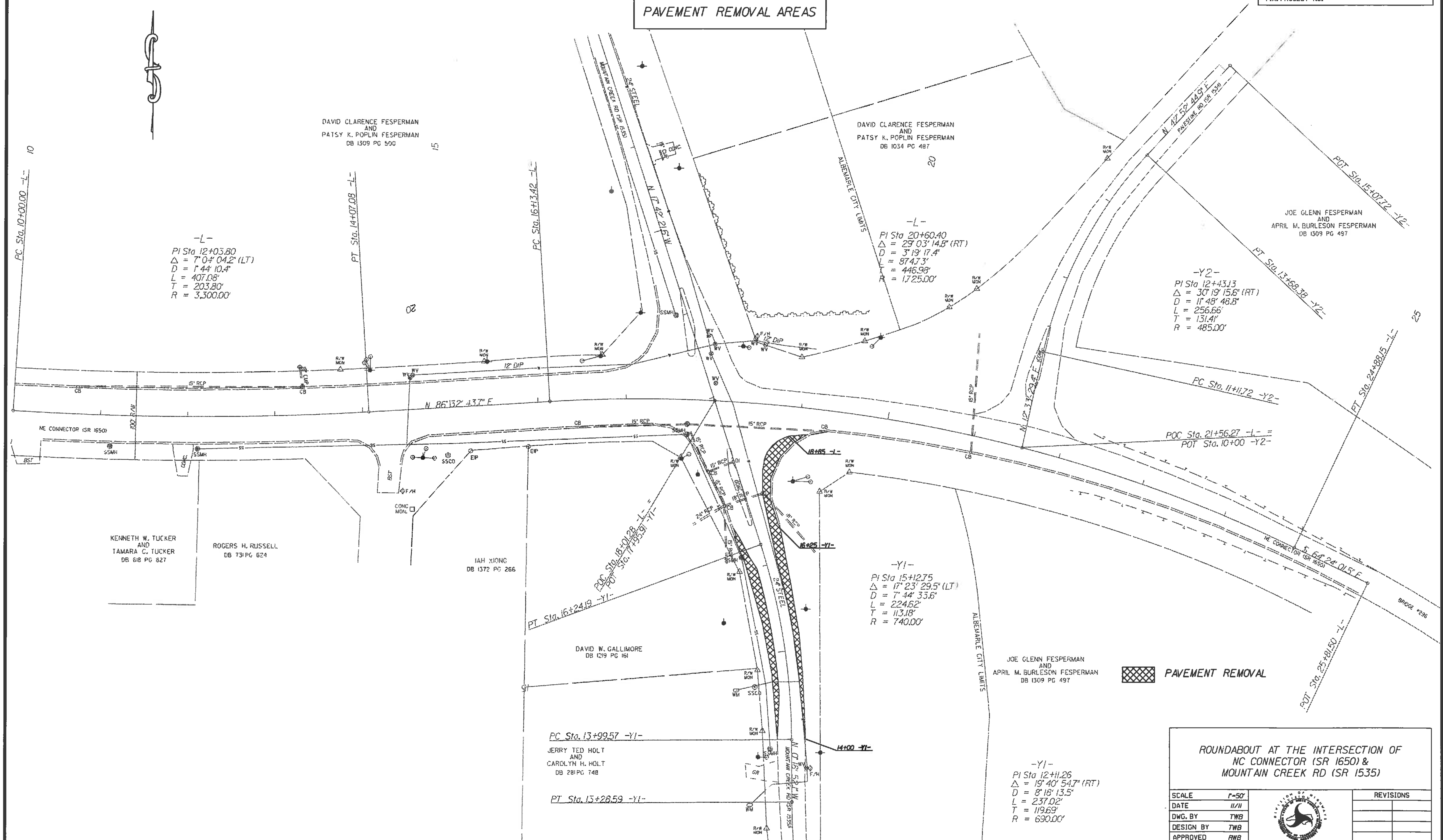
ROUNDABOUT AT THE INTERSECTION OF
NE CONNECTOR (SR-1650) AND
MOUNTAIN CREEK RD (SR 1535)

SCALE	1"=25'	
DATE	11/11	
DWG. BY	TWB	
DESIGN BY	TWB	
APPROVED	RWB	

REVISIONS

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	45340.3.5	2E	
F.A. PROJECT NO.			

PAVEMENT REMOVAL AREAS



ROUNDABOUT AT THE INTERSECTION OF NC CONNECTOR (SR 1650) & MOUNTAIN CREEK RD (SR 1535)

SCALE	1"=50'
DATE	11/11
DWG. BY	TWB
DESIGN BY	TWB
APPROVED	RWB

REVISIONS

4/04/06

COMPUTED BY: TWB	DATE: 5/01/12
CHECKED BY:	DATE:

PROJECT REFERENCE NO.	SHEET NO.
45340.3.5	3

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

LIST OF PIPES, ENDWALLS, ETC. (FOR PIPES 48" & UNDER)

STATION	LOCATION (LT, RT, OR CL)	STRUCTURE NO. FROM	STRUCTURE NO. TO	TOP ELEVATION	INVERT ELEVATION	INVERT ELEVATION	SLOPE CRITICAL	CLASS III R.C. PIPE (UNLESS NOTED OTHERWISE) 12"	15"	18"	24"	30"	36"	42"	48"
L 16+02	RT	1	2	535.43	532.43	532.23			44						
L 16+45	RT	2	3	536.87	532.23	531.75			96						
L 17+42	RT	3	4	538.29	531.75	531.65									
L 17+49	RT	4	5	538.32	531.65	531.25			80						
YI16+78	LT	5	OUT	538.39	531.25	530.62									
YI16+78	LT	6	5	538.60	530.65	530.62					2				
YI16+78	RT	7		539.96	534.06	533.19									
L 19+28	RT	8	7	542.89	537.90	534.06			96						
L 21+00	RT	9		551.91		549.28									
L 16+44	RT														
L 17+70	RT														
YI17+21	LT														
YI17+23	CL														
TOTAL									316		2				

STATION	BITUMINOUS COATED C.S. PIPE TYPE B (UNLESS NOTED OTHERWISE) 12" .064	15" .064	18" .064	24" .064	24"	30" .079	30"	36" .079	36"	42" .109	42"	48" .109	48"	CLASS III R.C. PIPE OR ALUMINIZED C.S. PIPE, TYPE IR OR HDPE PIPE, TYPE S OR D 12"	15"	18"	24"	30"	36"	42"	48"
L 16+02																					
L 16+45																					
L 17+42																					
L 17+49																					
YI16+78																					
YI16+78																					
YI16+78																					
L 19+28																					
L 21+00																					
L 16+44																					
L 17+70																					
YI17+21																					
YI17+23																					
TOTAL																					

STATION	15" SIDE DRAIN PIPE	18" SIDE DRAIN PIPE	24" SIDE DRAIN PIPE	ENDWALLS STD. 838.01, STD. 838.11 OR STD. 838.80 (UNLESS NOTED OTHERWISE) CU. YDS. R.C.P.	C.S.P.	QUANTITIES FOR DRAINAGE STRUCTURES PER EACH (0' THRU 5.0')	* TOTAL L.F. FOR PAY QUANTITY SHALL BE COL. 'A' + (1.3 X COL.'B') LIN. FT. A 5.0' THRU 10.0'	B 10.0' AND ABOVE	C.B. STD. 840.01 OR STD. 840.02	FRAME, GRATES AND HOOD STANDARD 840.03 TYPE OF GRATE E	F	G	
L 16+02						X			X			X	
L 16+45						X			X			X	
L 17+42						X	1.5'		X			X	
L 17+49						X	1.7'		X			X	
YI16+78						X			X			X	
YI16+78													
YI16+78							1'						
L 19+28						X			X			X	
L 21+00													
L 16+44													
L 17+70													
YI17+21													
YI17+23													
TOTAL							4.2'		6			6	

STATION		D.I. STD. 840.14 OR STD. 840.15	D.I. FRAME & GRATE STD. 840.16	G.D.I. TYPE "A" STD. 840.17 OR 840.26	G.D.I. TYPE "B" STD. 840.18 OR 840.27	G.D.I. TYPE "D" STD. 840.19 OR 840.28	G.D.I. FRAME WITH GRATE STD. 840.22	G.D.I. FRAME WITH TWO GRATES STD. 840.22	G.D.I. (N.S.) FRAME WITH GRATE STD. 840.24	G.D.I. (N.S.) FRAME WITH TWO GRATES STD. 840.24	J.B. STD. 840.31 OR 840.32	TRAFFIC BEARING J.B. STD. 840.34	TRAFFIC BEARING GRATED D.I. STD. 840.35	RAISE EXISTING GRATE	M.H. FRAME & COVER STD. 840.54			CORR. STEEL ELBOWS NO. & SIZE	CONC. COLLARS CL. "B" C.Y. STD 840.72	CONC. & BRICK PIPE PLUG, C.Y. STD. 840.71	PIPE REMOVAL LIN. FT.	REMARKS
L 16+02																						PROPOSED CB
L 16+45																						PROPOSED CB
L 17+42																						PROPOSED CB
L 17+49																						PROPOSED CB
YI16+78																						PROPOSED CB
YI16+78												X			X							REPLACE W/ TBJB W/ MH
YI16+78											X				X							REPLACE W/ JB W/ MH
L 19+28																						REMOVE & REPLACE CB
L 21+00														X								EXIST. CB, RAISE AND REPOSITION GRATE
L 16+44																					125	ABANDON EXISTING CB
L 17+70																					150	ABANDON EXISTING JB
YI17+21																					100	ABANDON EXISTING CB
YI17+23																					30	ABANDON EXISTING DI
TOTAL											1	1		1	2						405	

ABBREVIATIONS

C.B. CATCH BASIN
N.D.I. NARROW DROP INLET
D.I. DROP INLET
G.D.I. GRATED DROP INLET
G.D.I. (N.S.) GRATED DROP INLET (NARROW SLOT)
J.B. JUNCTION BOX
M.H. MANHOLE
T.B.D.I. TRAFFIC BEARING DROP INLET
T.B.J.B. TRAFFIC BEARING JUNCTION BOX

LIST OF PIPES, ENDWALLS, ETC. (FOR PIPES 54" & OVER)

STATION	LOCATION (LT, RT, OR CL)	STRUCTURE NO. FROM	STRUCTURE NO. TO	TOP ELEVATION	INVERT ELEVATION	INVERT ELEVATION	SLOPE CRITICAL	CLASS III R.C. PIPE (UNLESS NOTED OTHERWISE) 54"	60"	66"	72"	78"	84"	

BITUMINOUS COATED C.S. PIPE TYPE B 54" .109	54" .138	54" .168	54" SHOP ELON-GATED .138	54" SHOP ELON-GATED .168	60" .138	60" .168	66" .138	66" .168	72" .138	72" .168		STRUCTURAL PLATE PIPE 60" 12	60" 10		66" 12	66" 10		72" 12	72" 10			

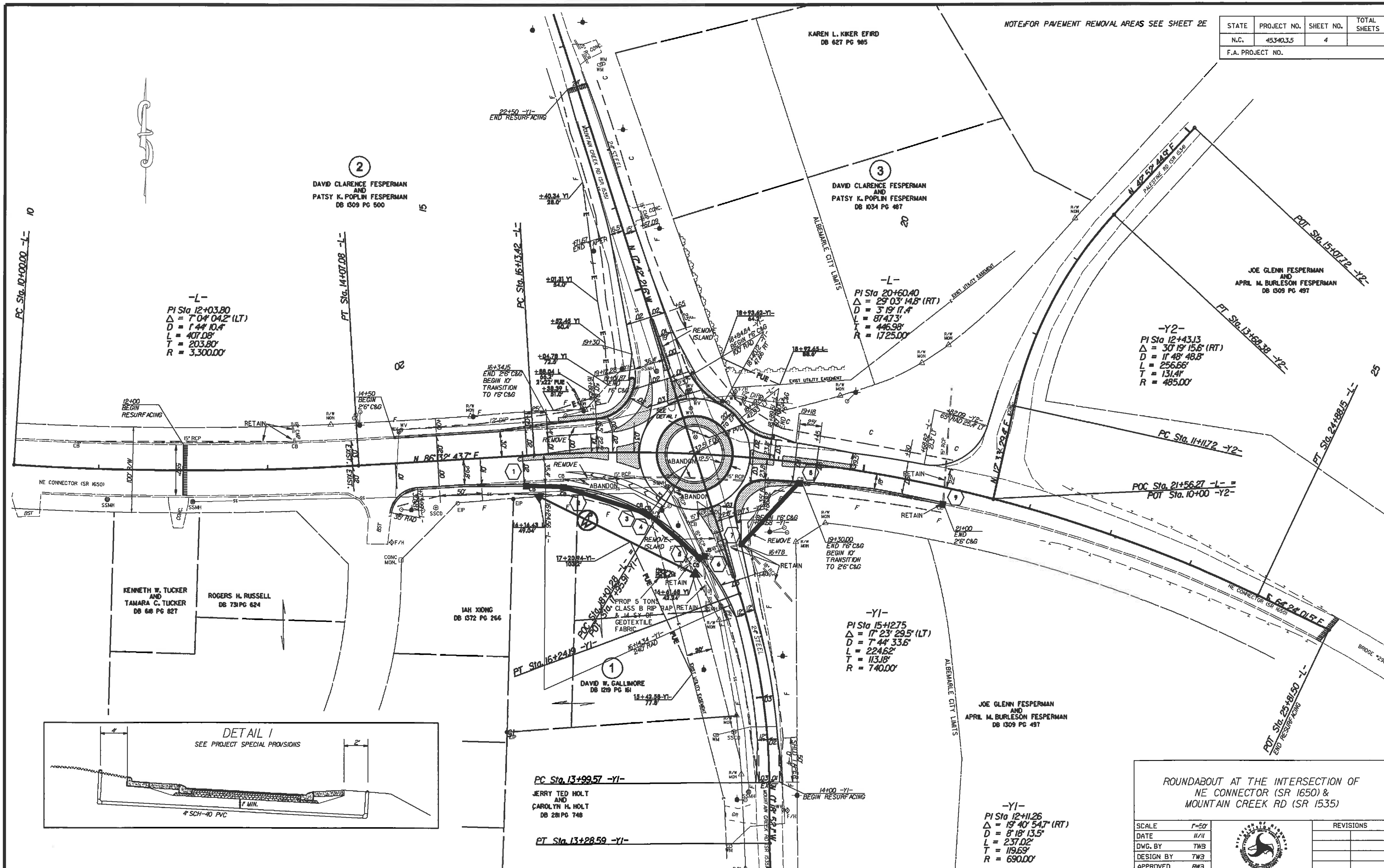
REINFORCED ENDWALLS WITH R.C. - C.Y.	WITH C.S. - C.Y.	MASONARY DRAINAGE STRUCTURES CUBIC YARDS															REINF. CONC. FLARED END SECTIONS NO. & SIZE	CORR. STEEL FLARED END SECTIONS NO. & SIZE	REINF. CONC. ELBOWS NO. & SIZE	CORR. STEEL ELBOWS NO. & SIZE	CONC. COLLARS CL. "B" C.Y. STD 840.72	PIPE REMOVAL LIN.FT.	REMARKS

ABBREVIATIONS

C.B. CATCH BASIN
N.D.I. NARROW DROP INLET
D.I. DROP INLET
G.D.I. GRATED DROP INLET
G.D.I. (N.S.) GRATED DROP INLET (NARROW SLOT)
J.B. JUNCTION BOX
M.H. MANHOLE
T.B.D.I. TRAFFIC BEARING DROP INLET
T.B.J.B. TRAFFIC BEARING JUNCTION BOX

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	45340.3.5	4	
F.A. PROJECT NO.			

NOTE: FOR PAVEMENT REMOVAL AREAS SEE SHEET 2E

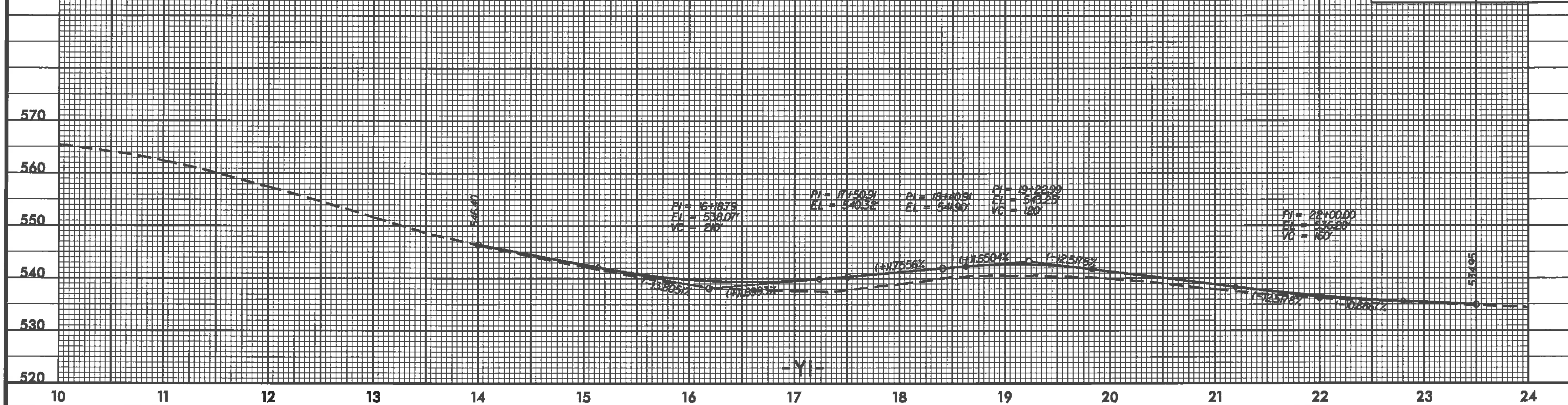


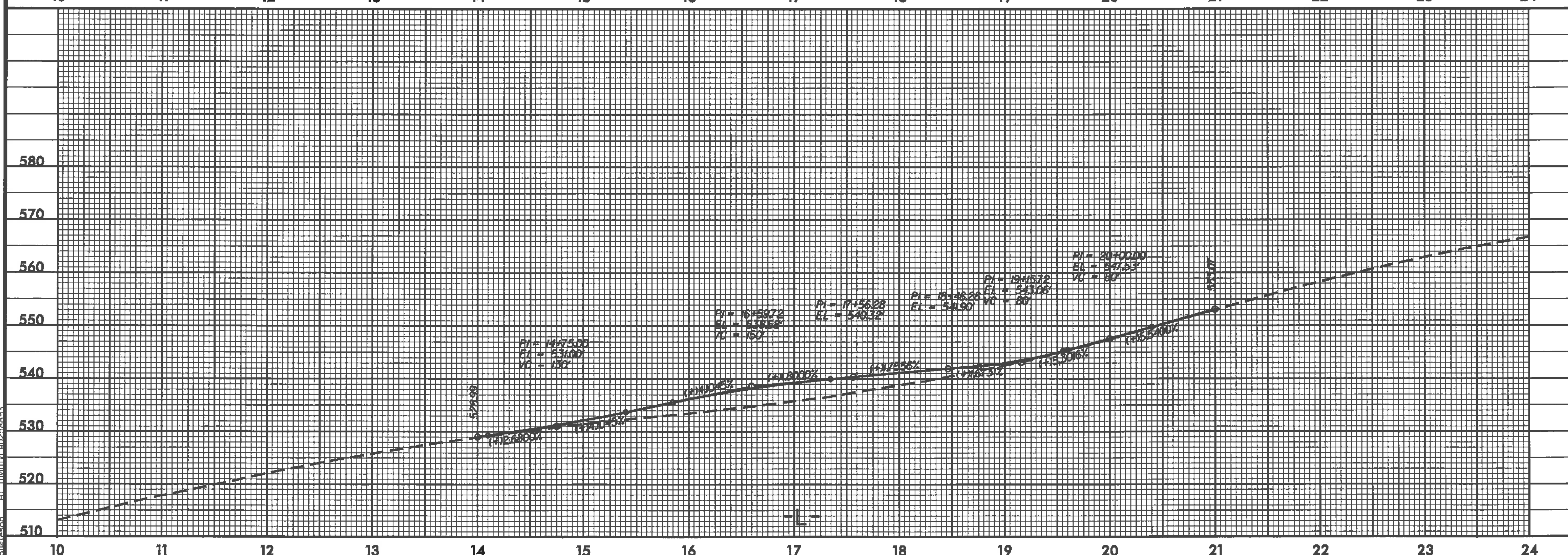
ROUNDABOUT AT THE INTERSECTION OF NE CONNECTOR (SR 1650) & MOUNTAIN CREEK RD (SR 1535)

			REVISIONS
SCALE	1"=50'		
DATE	11/11		
DWG. BY	TWB		
DESIGN BY	TWB		
APPROVED	RWB		

PROJECT REFERENCE NO.	SHEET NO.
45340.3.5	5
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

5/28/99





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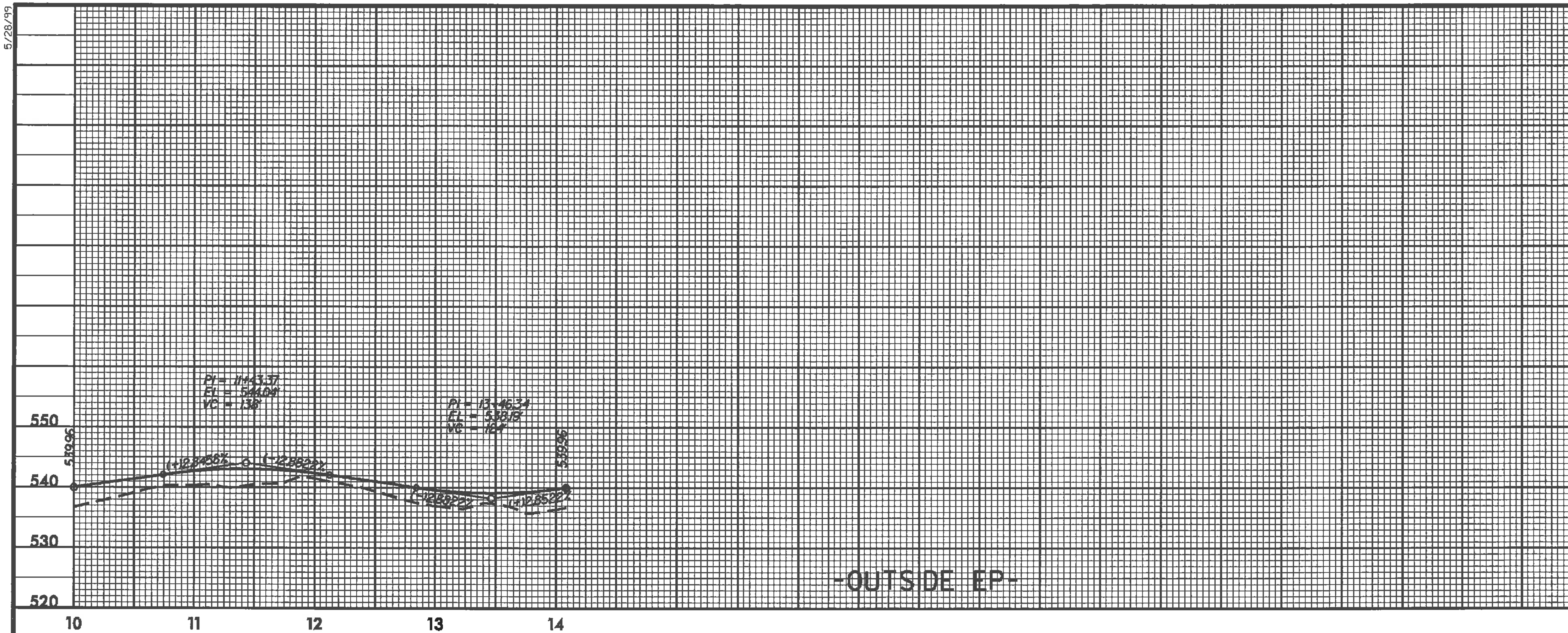
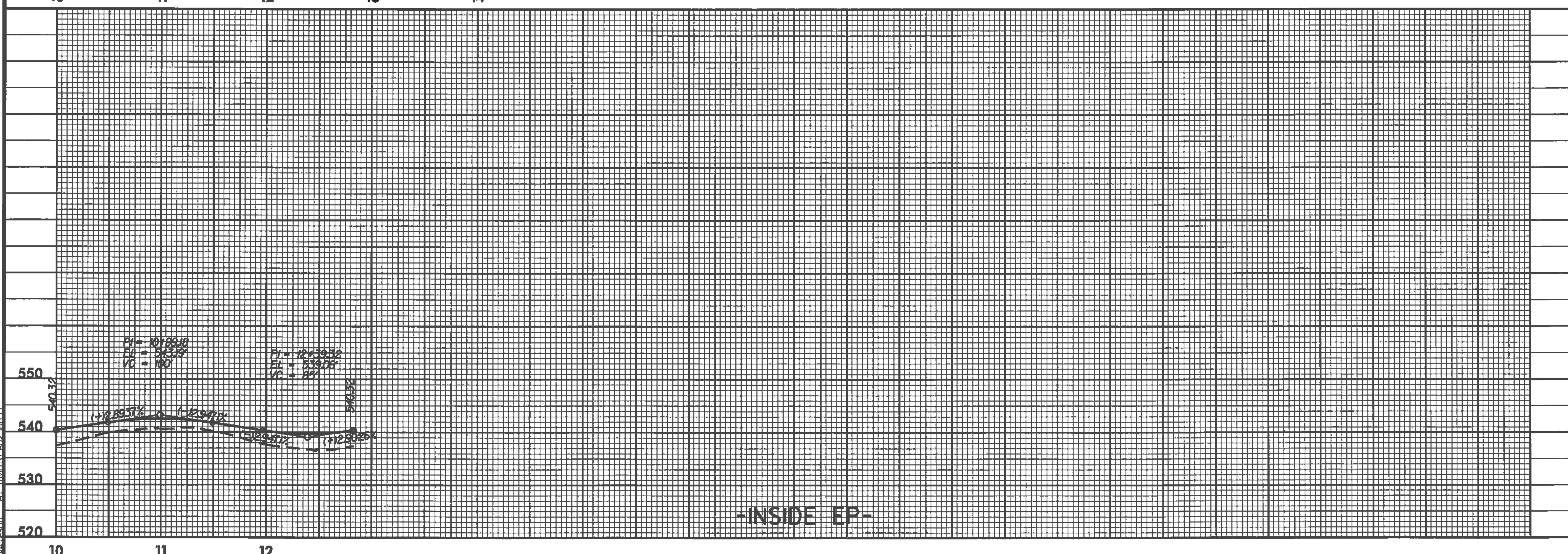
PROJECT REFERENCE NO.	SHEET NO.
45340.3.5	6

ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

5/28/99





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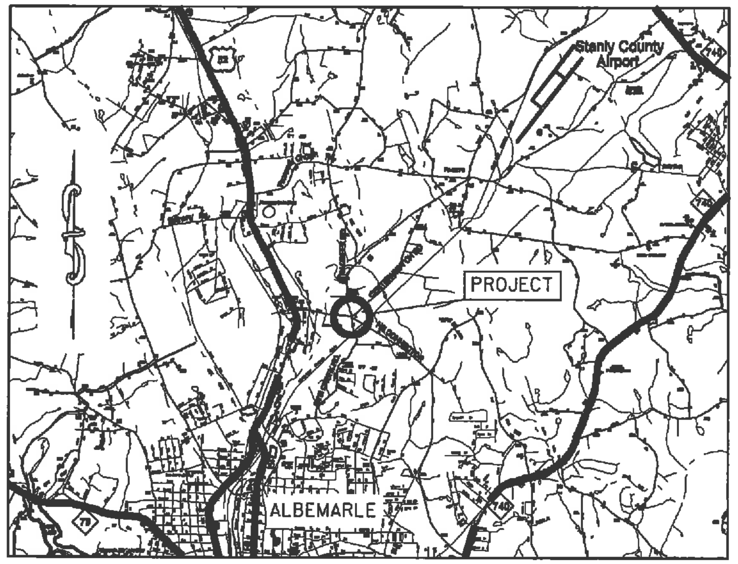
PROJECT: 45340.3.5 TIP: W-5210E

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	45340.3.5	EC-1	

STATE PROJ.NO.	F.A.PROJ.NO.	DESCRIPTION

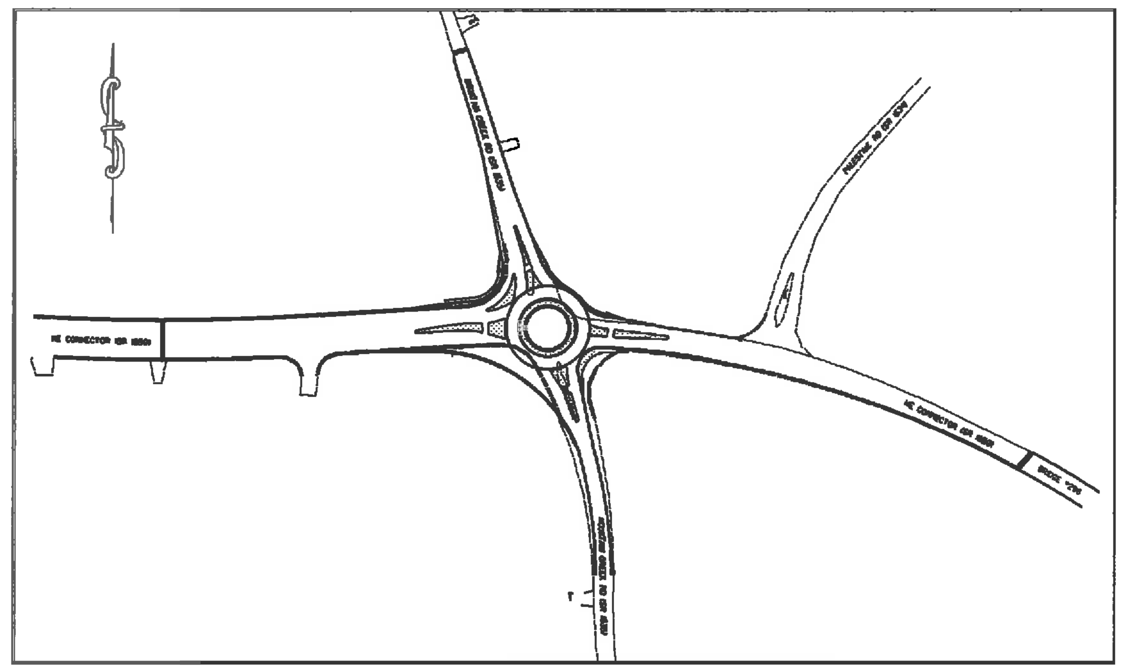


VICINITY MAP NOT TO SCALE

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PLAN FOR PROPOSED
HIGHWAY EROSION CONTROL

STANLY COUNTY



EROSION AND SEDIMENT CONTROL MEASURES

Std. #	Description	Symbol
1630.03	Temporary Silt Ditch	
1630.05	Temporary Diversion	
1605.01	Temporary Silt Fence	
1606.01	Special Sediment Control Fence	
1622.01	Temporary Berms and Slope Drains	
1630.02	Silt Basin Type B	
1633.01	Temporary Rock Silt Check Type-A	
	Temporary Rock Silt Check Type-A with Matting and Polyacrylamide (PAM)	
1633.02	Temporary Rock Silt Check Type-B	
	Wattle / Coir Fiber Wattle	
	Wattle / Coir Fiber Wattle with Polyacrylamide (PAM)	
1634.01	Temporary Rock Sediment Dam Type-A	
1634.02	Temporary Rock Sediment Dam Type-B	
1635.01	Rock Pipe Inlet Sediment Trap Type-A	
1635.02	Rock Pipe Inlet Sediment Trap Type-B	
1630.04	Stilling Basin	
1630.06	Special Stilling Basin	
	Rock Inlet Sediment Trap:	
1632.01	Type A	A
1632.02	Type B	B
1632.03	Type C	C
	Skimmer Basin	
	Tiered Skimmer Basin	
	Infiltration Basin	

THIS PROJECT CONTAINS EROSION CONTROL PLANS FOR CLEARING AND GRUBBING PHASE OF CONSTRUCTION.

GRAPHIC SCALE

25 0 50

PLANS

0

PROFILE (HORIZONTAL)

0

PROFILE (VERTICAL)

ROADSIDE ENVIRONMENTAL UNIT
DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

THESE EROSION AND SEDIMENT CONTROL PLANS COMPLY WITH THE REGULATIONS SET FORTH BY THE NCG-010000 GENERAL CONSTRUCTION PERMIT EFFECTIVE AUGUST 3, 2011 ISSUED BY THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES DIVISION OF WATER QUALITY.

Prepared In the Office of:

DDC UNIT DIVISION 10
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
2012 STANDARD SPECIFICATIONS

TERRY W. BURLESON — EROSION CONTROL ENGINEER
3011 — LEVEL III-A CERTIFICATION #

Roadway Standard Drawings

The following roadway english standards as appear in "Roadway Standard Drawings"- Roadway Design Unit – N. C. Department of Transportation – Raleigh, N. C., dated January 2012 and the latest revison thereto are applicable to this project and by reference hereby are considered a part of these plans.

1604.01 Railroad Erosion Control Detail
1605.01 Temporary Silt Fence
1606.01 Special Sediment Control Fence
1607.01 Gravel Construction Entrance
1622.01 Temporary Berms and Slope Drains
1630.01 Riser Basin
1630.02 Silt Basin Type B
1630.03 Temporary Silt Ditch
1630.04 Stilling Basin
1630.05 Temporary Diversion
1630.06 Special Stilling Basin
1631.01 Matting Installation
1632.01 Rock Inlet Sediment Trap Type A
1632.02 Rock Inlet Sediment Trap Type B
1632.03 Rock Inlet Sediment Trap Type C
1633.01 Temporary Rock Silt Check Type A
1633.02 Temporary Rock Silt Check Type B
1634.01 Temporary Rock Sediment Dam Type A
1634.02 Temporary Rock Sediment Dam Type B
1635.01 Rock Pipe Inlet Sediment Trap Type A
1635.02 Rock Pipe Inlet Sediment Trap Type B
1640.01 Coir Fiber Baffle
1645.01 Temporary Stream Crossing

24-FEB-2012 12:55

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
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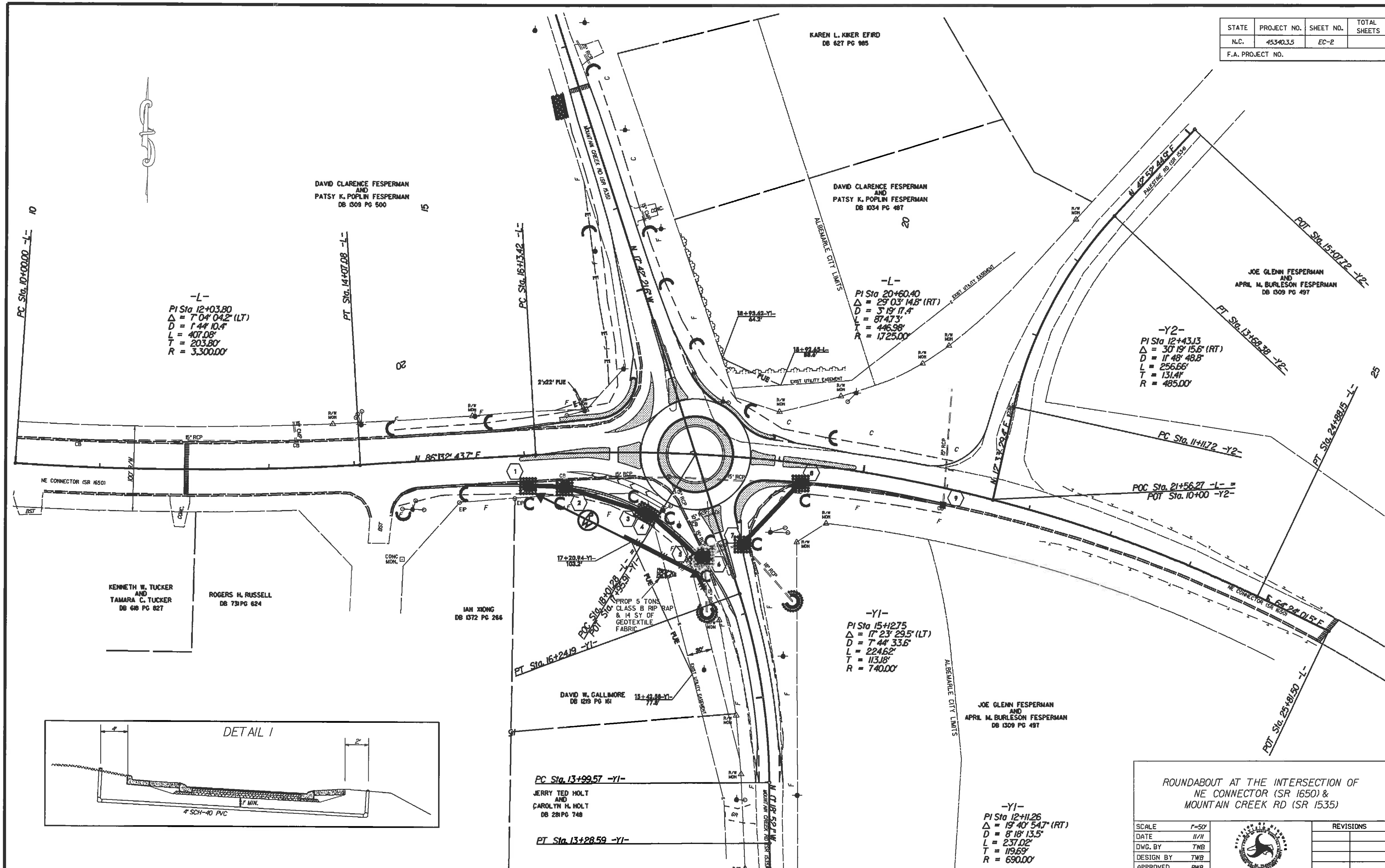
F.A. PROJECT NO.			



KAREN L. KIKER EFIRD
DB 627 PG 985
DAVID CLARENCE FESPERMAN AND PATSY K. POPLIN FESPERMAN
DB 1309 PG 500
DAVID CLARENCE FESPERMAN AND PATSY K. POPLIN FESPERMAN
DB 1034 PG 487
JOE GLENN FESPERMAN AND APRIL M. BURLESON FESPERMAN
DB 1309 PG 497
KENNETH W. TUCKER AND TAMARA C. TUCKER
DB 618 PG 827
ROGERS H. RUSSELL
DB 731 PG 624
IAH XIONG
DB 1372 PG 266
DAVID W. GALLIMORE
DB 1219 PG 161
JERRY TED HOLT AND CAROLYN H. HOLT
DB 281 PG 748
JOE GLENN FESPERMAN AND APRIL M. BURLESON FESPERMAN
DB 1309 PG 497
PC Sta. 10+00.00 -L-
PT Sta. 14+07.08 -L-
PC Sta. 16+13.42 -L-
-L-
PI Sta 12+03.80
Δ = 7° 04' 04.2" (LT)
D = 1° 44' 10.4"
L = 407.08'
T = 203.80'
R = 3,300.00'
-L-
PI Sta 20+60.40
Δ = 29° 03' 14.8" (RT)
D = 3° 19' 17.4"
L = 874.73'
T = 446.98'
R = 1,725.00'
-Y2-
PI Sta 12+43.13
Δ = 30° 19' 15.6" (RT)
D = 11° 48' 48.8"
L = 256.66'
T = 131.41'
R = 485.00'
-Y1-
PI Sta 15+12.75
Δ = 17° 23' 29.5" (LT)
D = 7° 44' 33.6"
L = 224.62'
T = 113.18'
R = 740.00'
-Y1-
PI Sta 12+11.26
Δ = 19° 40' 54.7" (RT)
D = 8° 18' 13.5"
L = 237.02'
T = 119.69'
R = 690.00'
POT Sta. 15+07.72 -Y2-
PT Sta. 13+68.38 -Y2-
PC Sta. 11+11.72 -Y2-
POC Sta. 21+56.27 -L- = POT Sta. 10+00 -Y2-
PT Sta. 24+88.15 -L-
POT Sta. 25+81.50 -L-
POC Sta. 18+01.28 -L- = POT Sta. 17+95.91 -Y1-
PT Sta. 16+24.19 -Y1-
PC Sta. 13+99.57 -Y1-
PT Sta. 13+28.59 -Y1-
N 86° 32' 43.7" E
N 17° 42' 21.6" W
N 42° 52' 44.9" E
N 17° 33' 29.4" E
N 64° 24' 01.5" E
MOUNTAIN CREEK RD (SR 1535)
PALESTINE RD (SR 1536)
NE CONNECTOR (SR 1650)
ALBEMARLE CITY LIMITS
EXIST UTILITY EASEMENT
PUE
2'x22' PUE
15' RCP
18+93.62-Y1- 64.2'
18+92.63-L- 88.8'
17+20.94-Y1- 103.2'
15+42.58-Y1- 77.8'
PROP 5 TONS CLASS B RIP RAP & 14 SY OF GEOTEXTILE FABRIC
CONC. MON.
R/W MON
EIP
BST
DETAIL 1
4'
2'
1' MIN.
4" SCH-40 PVC

ROUNDABOUT AT THE INTERSECTION OF
NE CONNECTOR (SR 1650) &
MOUNTAIN CREEK RD (SR 1535)

SCALE	1"=50'
DATE	11/11
DWG. BY	TWB
DESIGN BY	TWB
APPROVED	RWB

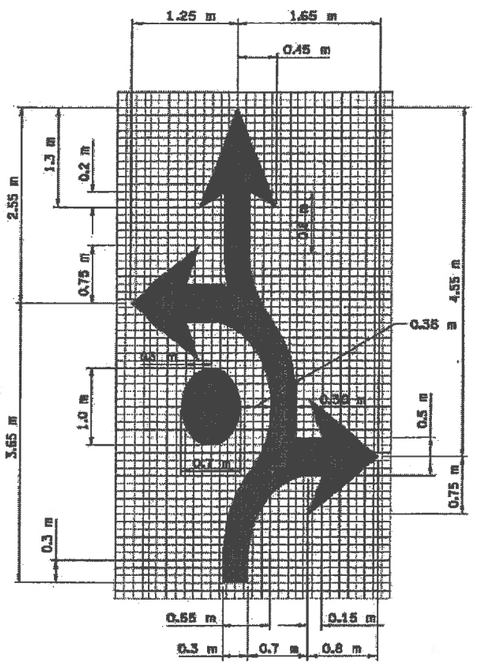
REVISIONS	

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	4534035	PWP-2	
F.A. PROJECT NO.			

Figure 3: Fishhook Symbol Details

ROUNDABOUT APPROACH LANE USE PAVEMENT MARKINGS

(FOR USE ON MULTI-LANE APPROACHES ONLY)



ELEMENT DIAGRAM

OVERALL DIMENSIONS		
ELEMENTS INCLUDED	OVERALL X	OVERALL Y
1	1.95 m	4.40 m
1 & 2	1.95 m	6.20 m
1 & 3	2.90 m	4.40 m
1, 2 & 3	2.90 m	6.20 m
0 & 2	1.35 m	6.20 m
0, 2 & 3	2.30 m	6.20 m
2	1.15 m	6.20 m
2 & 3	2.10 m	6.20 m
3	1.80 m	2.40 m

OVERALL DIMENSIONS ARE DIMENSIONS TO THE FURTHEST EDGE OF THE SYMBOL, AN ENCLOSING BOX. TO FIND THE CENTER OF SYMBOL, DIVIDE THE OVERALL DIMENSION IN HALF AND MEASURE FROM A CORNER OF THE ENCLOSING BOX

THE DOT ELEMENT 01 IS ONLY USED IN SYMBOLS FOR THE LEFTMOST LANE.

ROUNDABOUT AT THE INTERSECTION OF NE CONNECTOR (SR 1650) & MOUNTAIN CREEK RD (SR 1535)

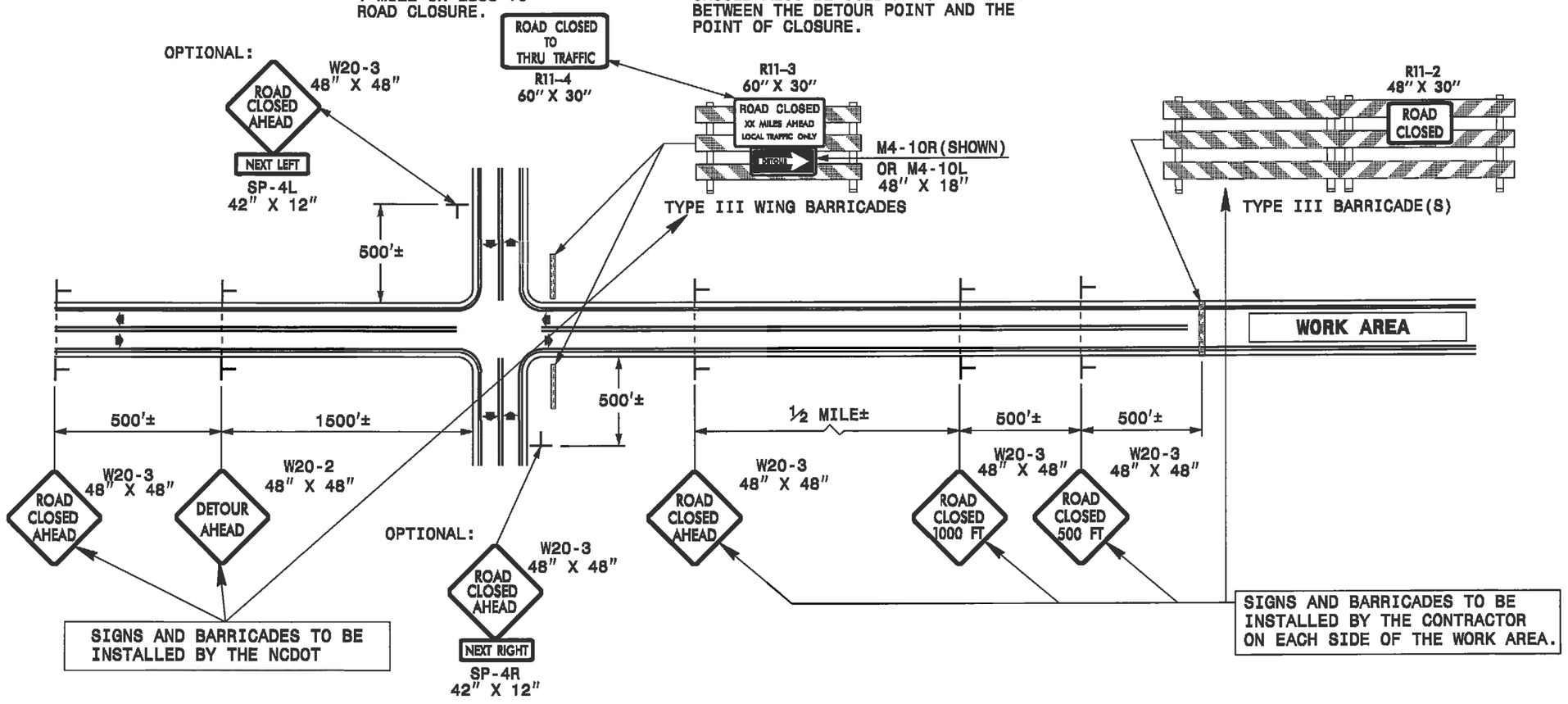
SCALE	-NA-
DATE	5-15-12
DWG. BY	TWB
DESIGN BY	TWB
APPROVED	RWB

REVISIONS	

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	45340.3.5	TCP-1	
F.A. PROJECT NO.			

NOTE: USE SIGN R11-4 IF 1 MILE OR LESS TO ROAD CLOSURE.

NOTE: WING BARRICADES WITH SIGN R11-3 SHOULD ALSO BE USED AT SIDE ROADS BETWEEN THE DETOUR POINT AND THE POINT OF CLOSURE.



GENERAL NOTES

1-IF NECESSARY USE THIS STD. FOR TWO-LANE, TWO-WAY, AND MULTILANE DIVIDED AND UNDIVIDED ROADWAYS.

2-INSTALLATION OF DETOUR ROUTING PANELS, TEMPORARY ROUTE MARKERS, DESTINATION SIGNS, AND ANY NECESSARY MODIFICATIONS TO EXISTING OR PROPOSED REGULATORY OR WARNING SIGNS WILL BE MADE BY NCDOT FORCES UNLESS OTHERWISE DESIGNATED IN THE PLANS. PROVIDE A MINIMUM 21 CALENDAR DAY NOTICE TO STATE FORCES BEFORE A ROADWAY IS CLOSED TO TRAFFIC SUCH THAT THE NECESSARY PROVISIONS CAN BE MADE TO INSTALL DETOUR ROUTE SIGNS, INFORM LOCAL EMERGENCY AND LAW ENFORCEMENT PERSONNEL, SCHOOLS, OR ANY OTHER PARTIES AFFECTED BY THE ROAD CLOSURE.

3-INSTALL SIGNS BEFORE THE BARRICADES WHEN CLOSING THE ROADWAY TO TRAFFIC. REMOVE BARRICADES BEFORE SIGNS WHEN OPENING THE ROADWAY TO TRAFFIC. INSTALL/REMOVE SIGNS AND BARRICADES WITHIN THE SAME CALENDAR DAY.

4-USE ADDITIONAL TYPE III BARRICADES IN STAGGERED LOCATIONS SUPPLEMENTED WITH SIGN R11-4 "ROAD CLOSED TO THRU TRAFFIC" IN THE EVENT THAT TRAFFIC MUST BE MAINTAINED BEYOND THE DETOUR POINT.

5-DO NOT DISPLAY FRACTIONS OR DECIMALS ON SIGN R11-3 "ROAD CLOSED XX MILES AHEAD".

6-POSITION WING BARRICADES ON THE SHOULDERS AND SLOPE THE STRIPES DOWNWARD IN THE DIRECTION TOWARD WHICH TRAFFIC MUST TURN IN DETOURING.

7-USE PORTABLE SIGNS IF ROAD CLOSURE IS TO BE IMPLEMENTED FOR LESS THAN ONE DAY OR FOR EMERGENCIES.

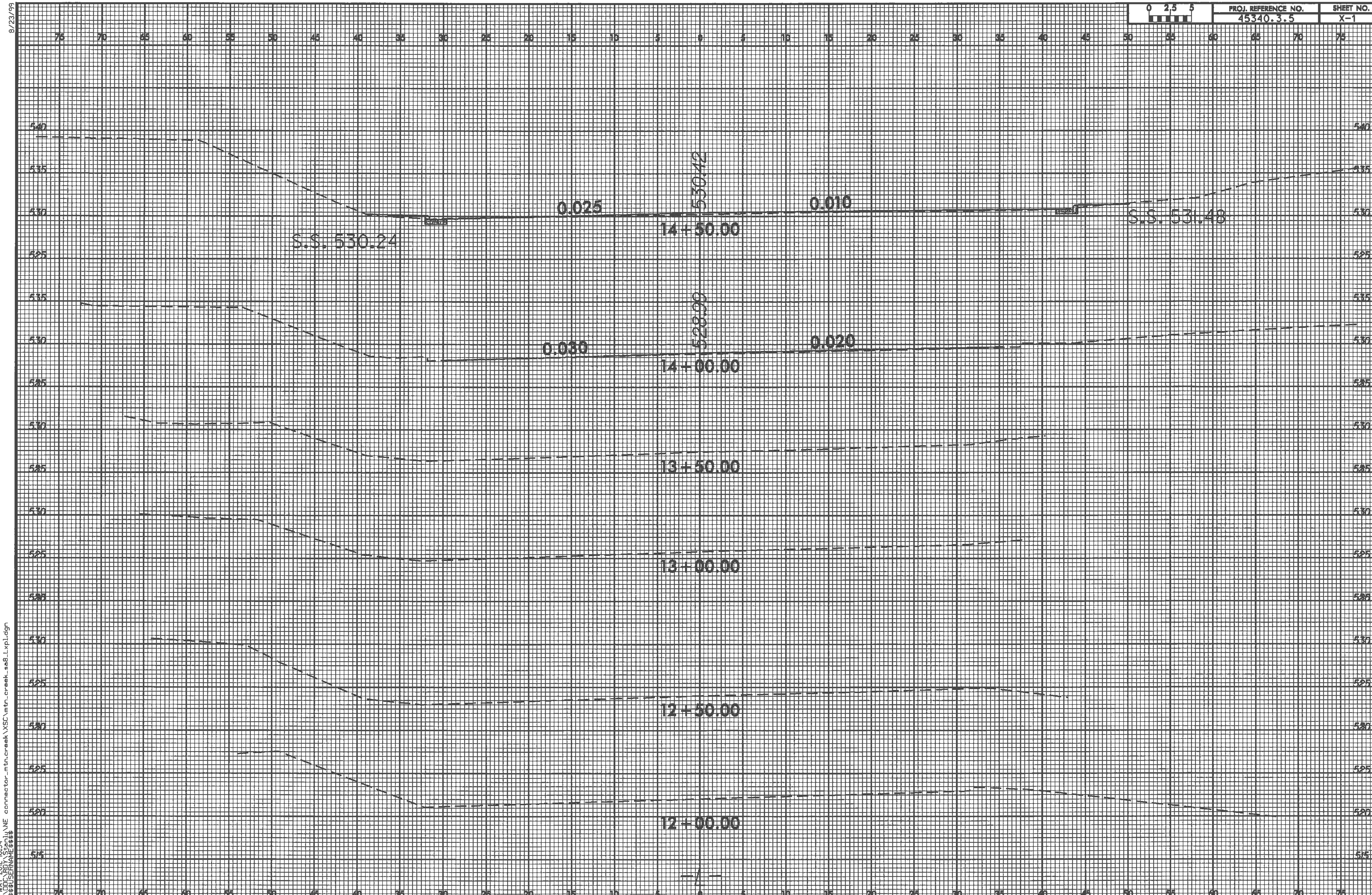
LEGEND

- ⊢ STATIONARY SIGN
- DIRECTION OF TRAFFIC FLOW

TEMPORARY ROAD CLOSURE
CLOSURE BEYOND DETOUR POINT

		REVISIONS	
SCALE	-NA-		
DATE	1-19-10		
DWG. BY	TWB		
APPROVED	RWB		

PROJ. REFERENCE NO.	SHEET NO.
45340.3.5	X-1



8/23/99

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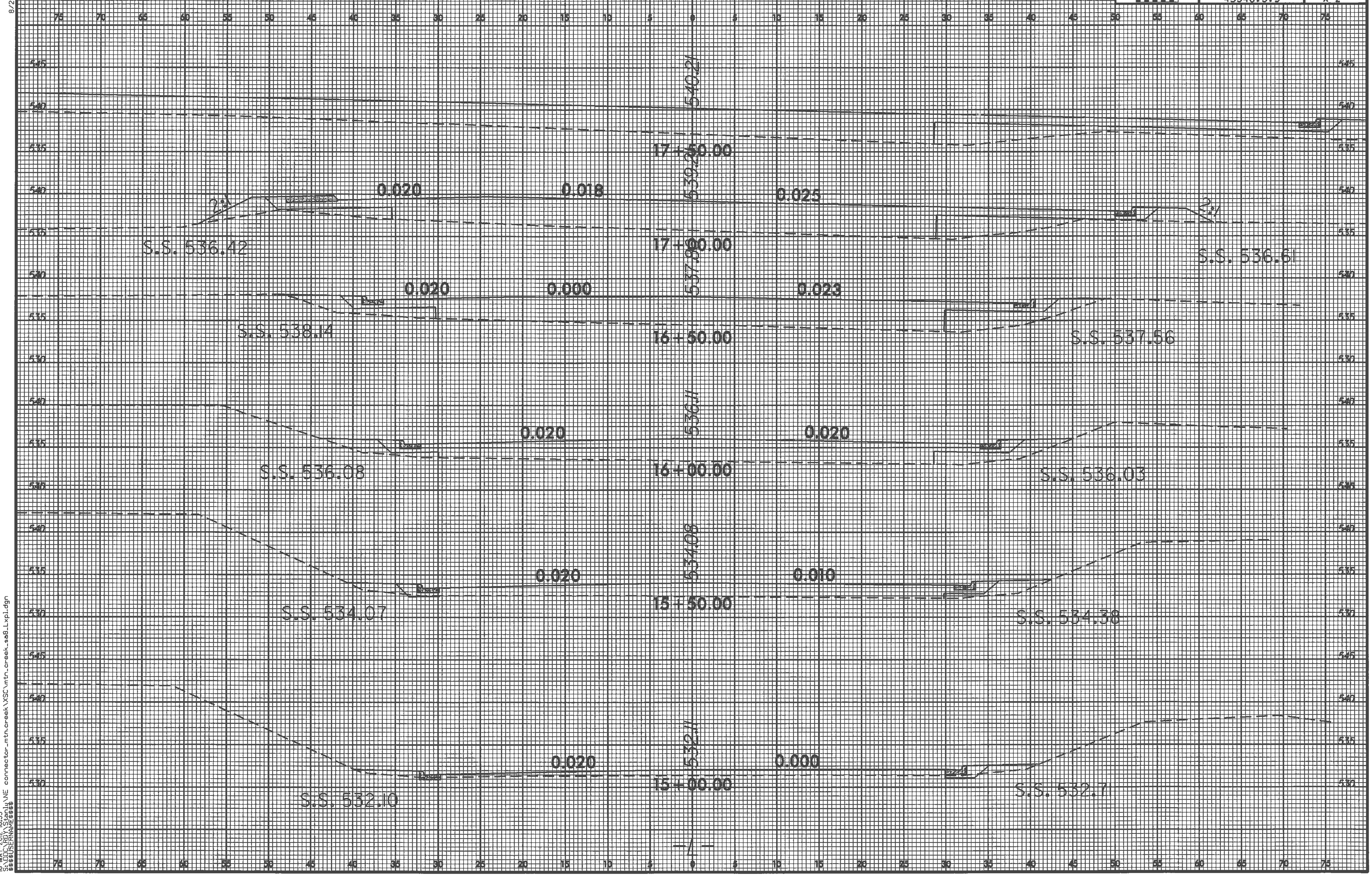

8/23/99

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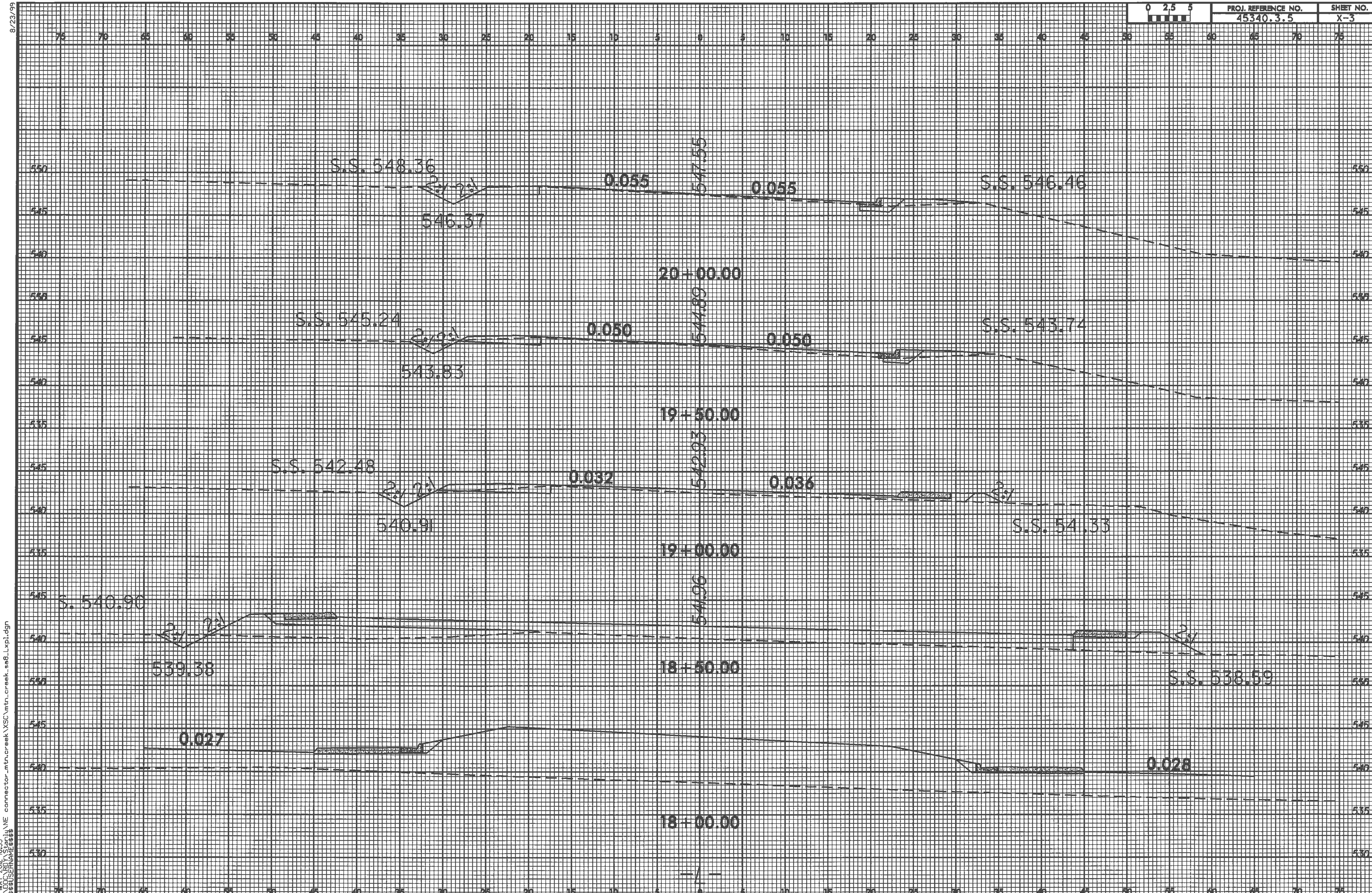

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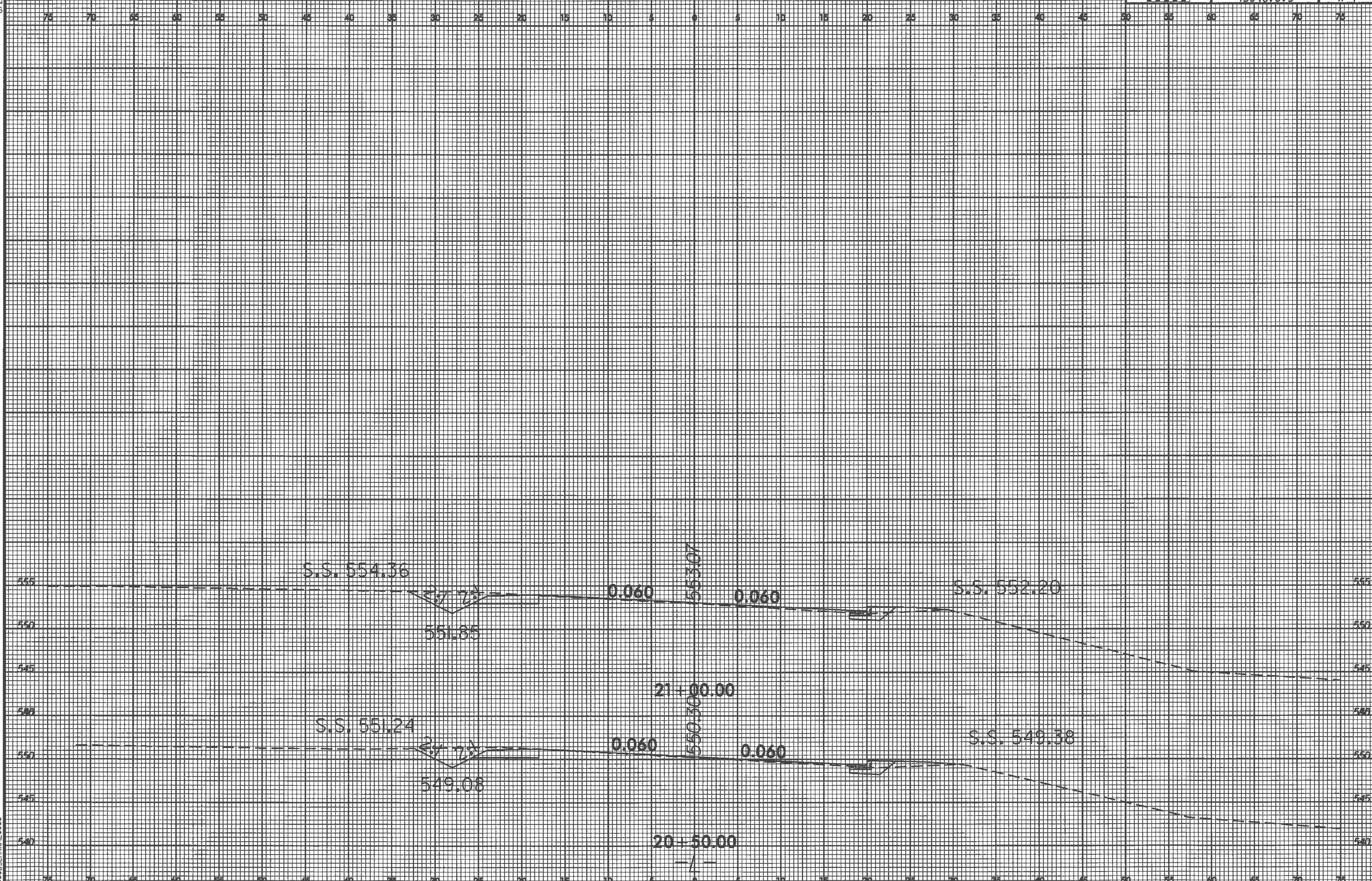
8/23/99



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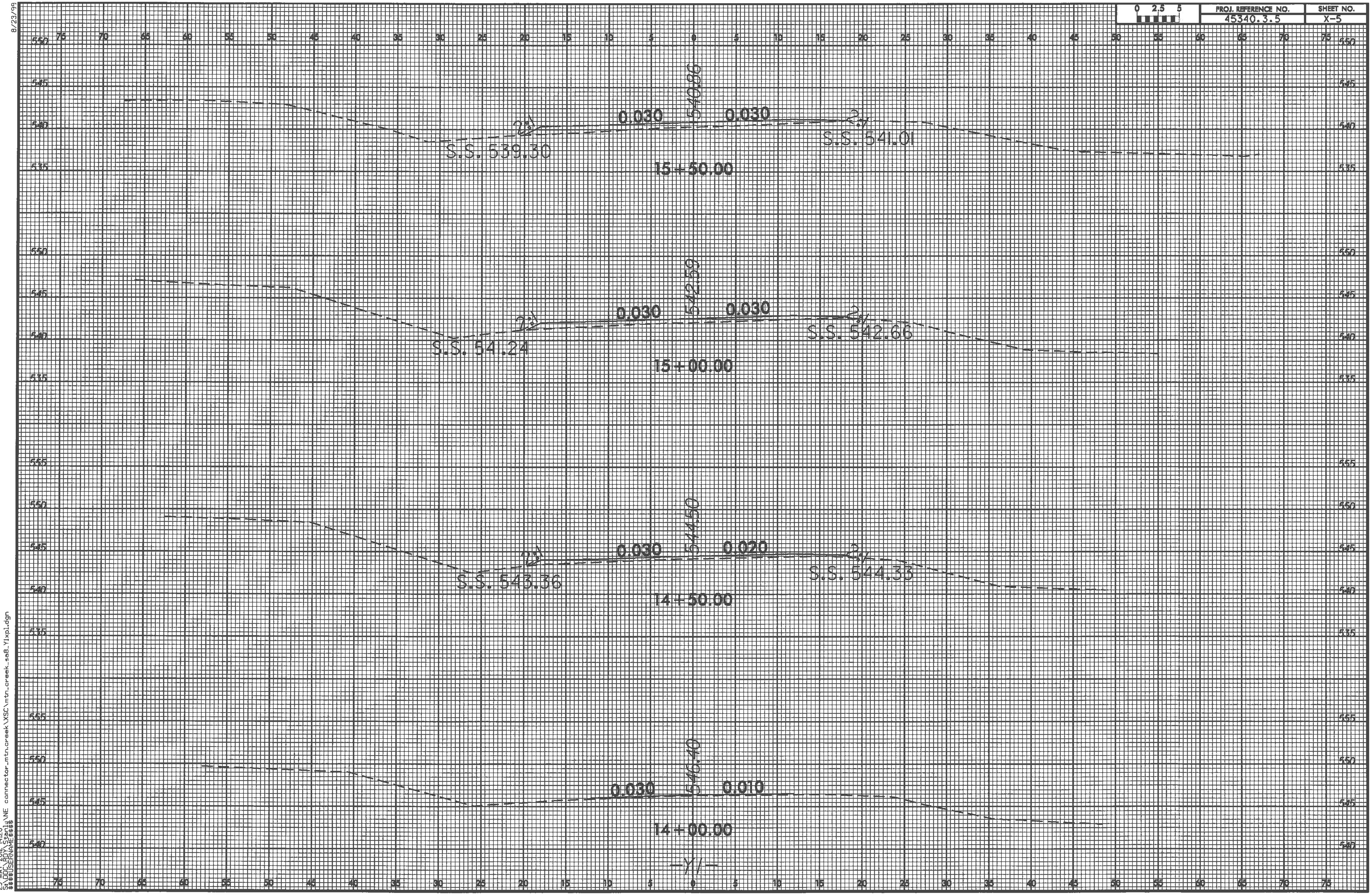
8/23/99



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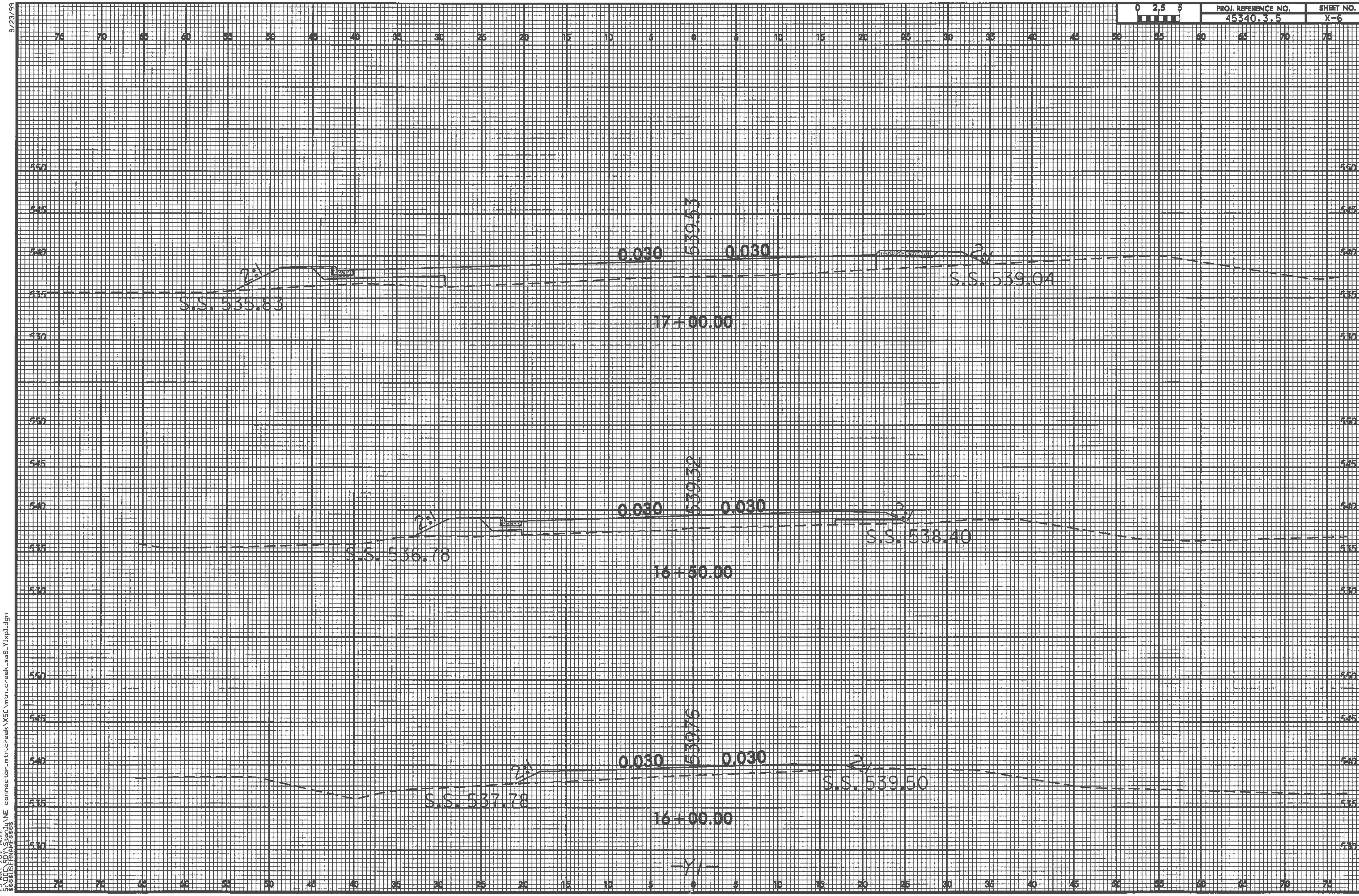

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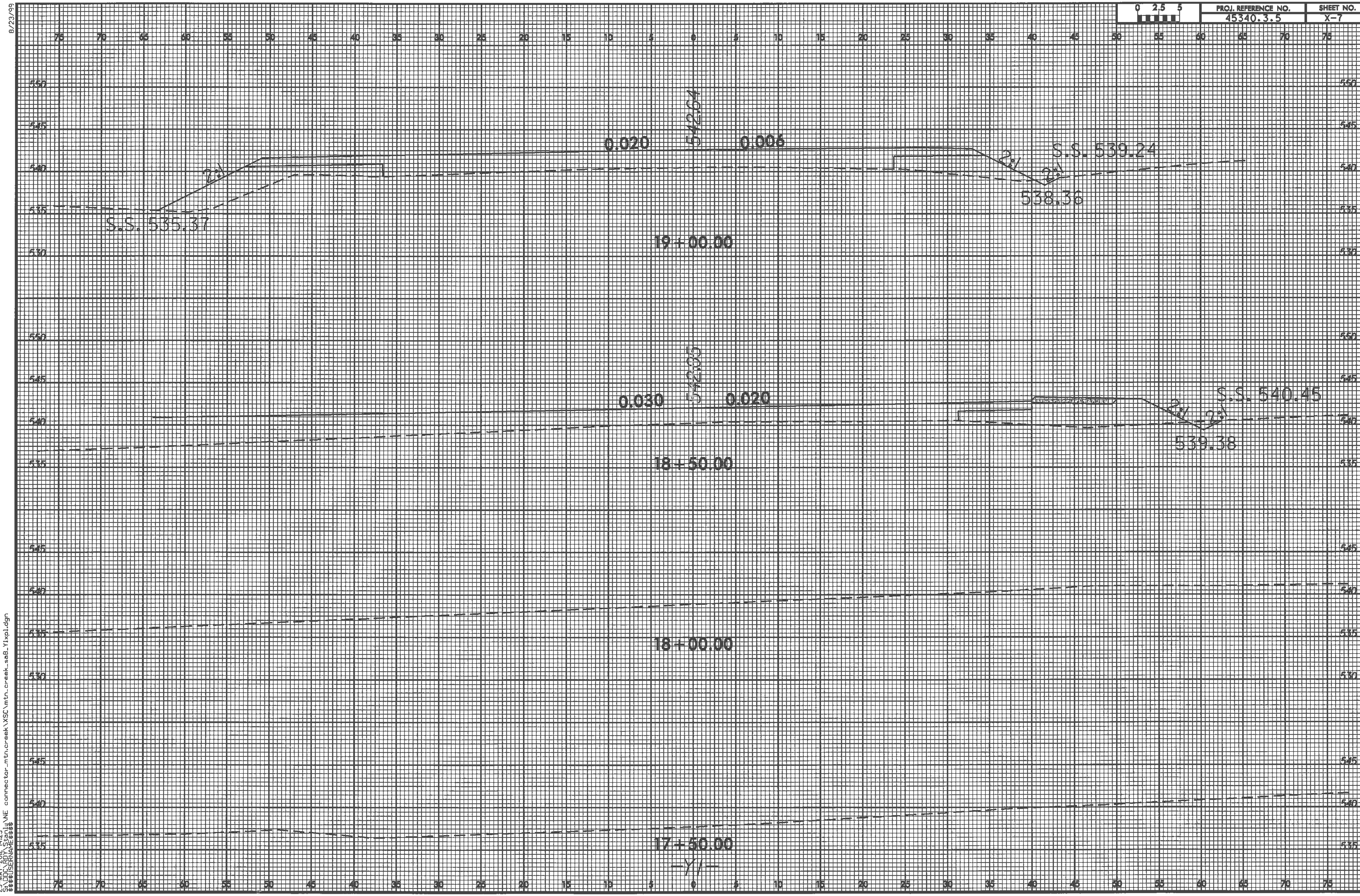

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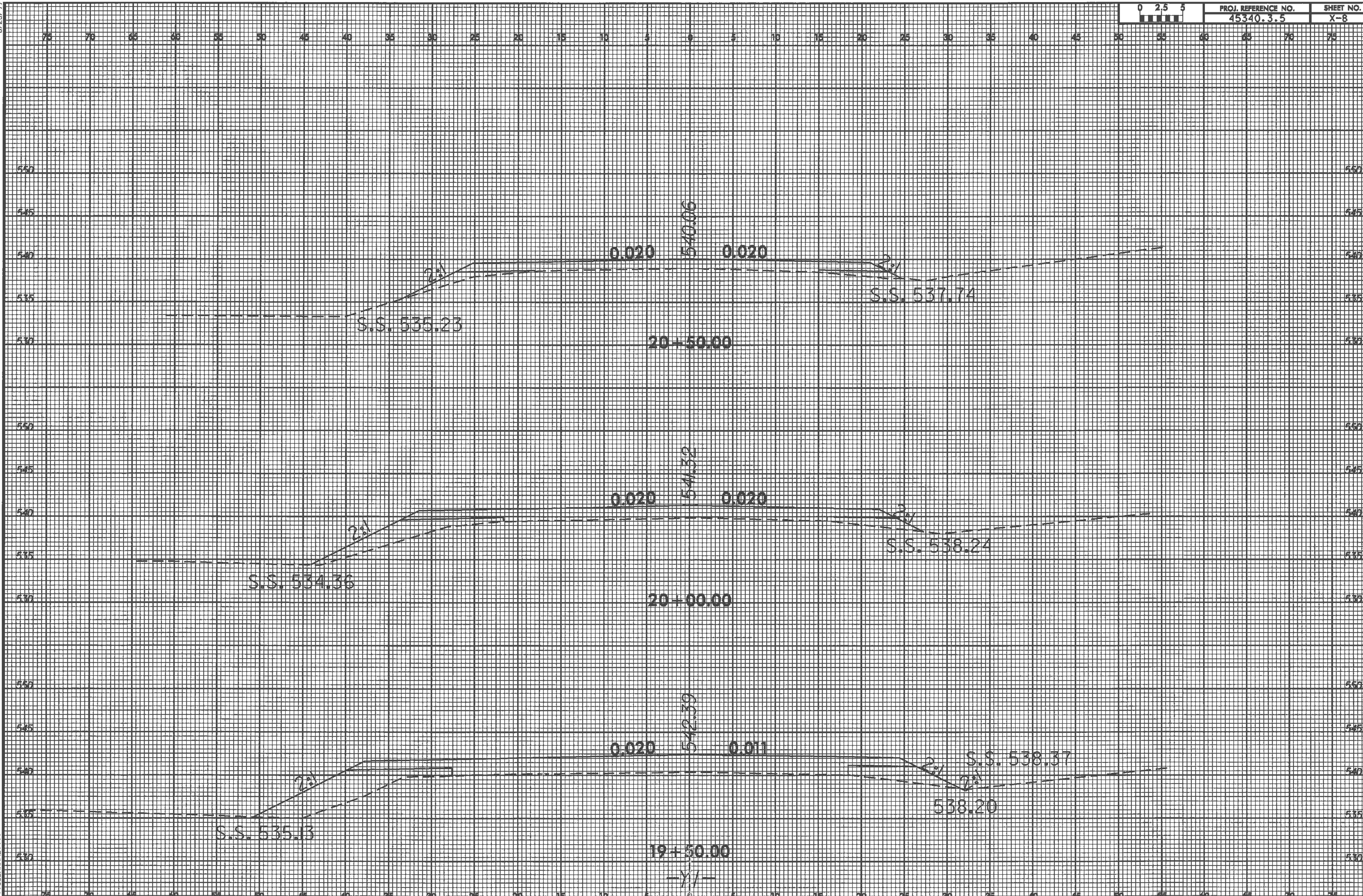

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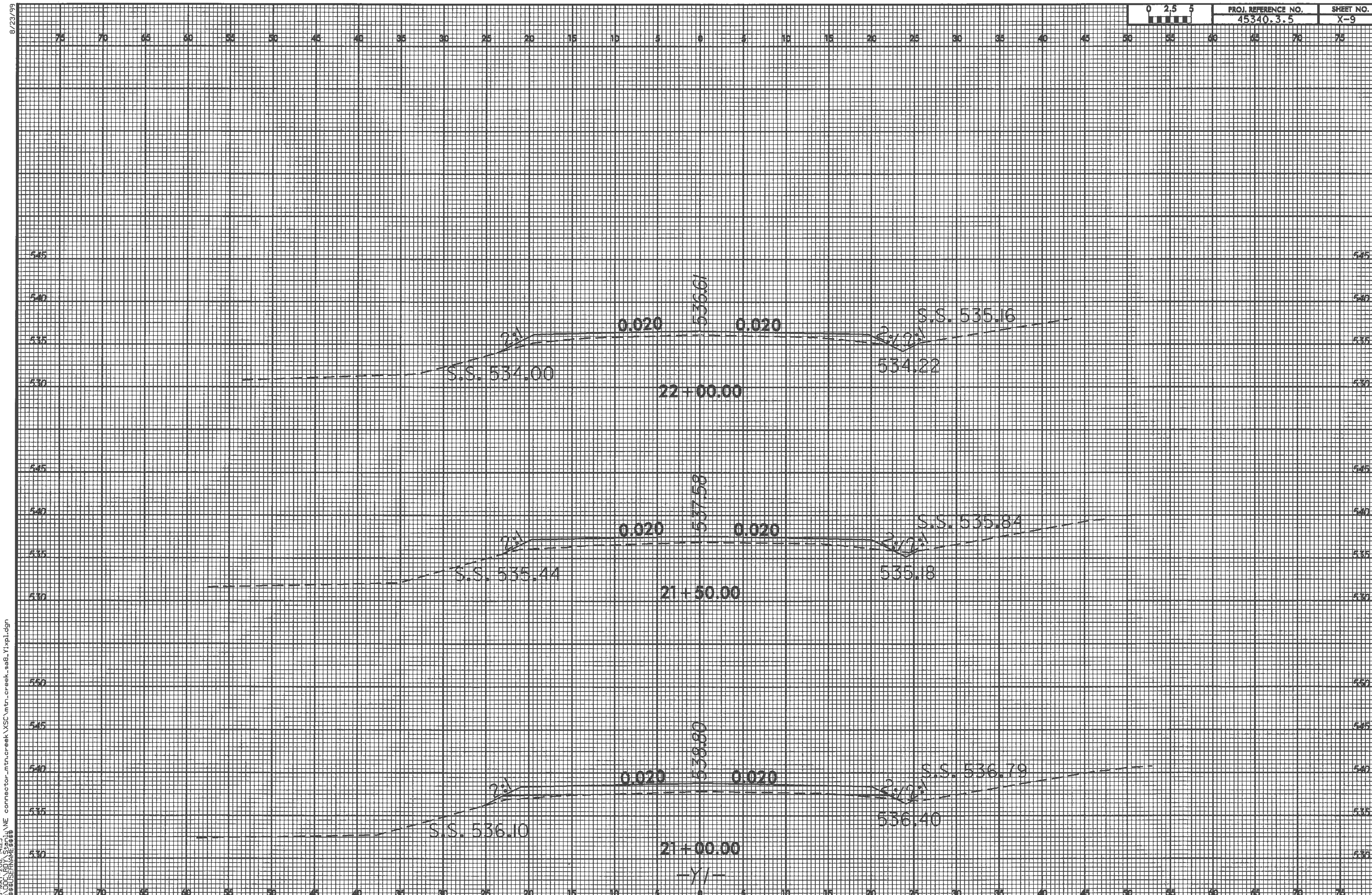

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0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
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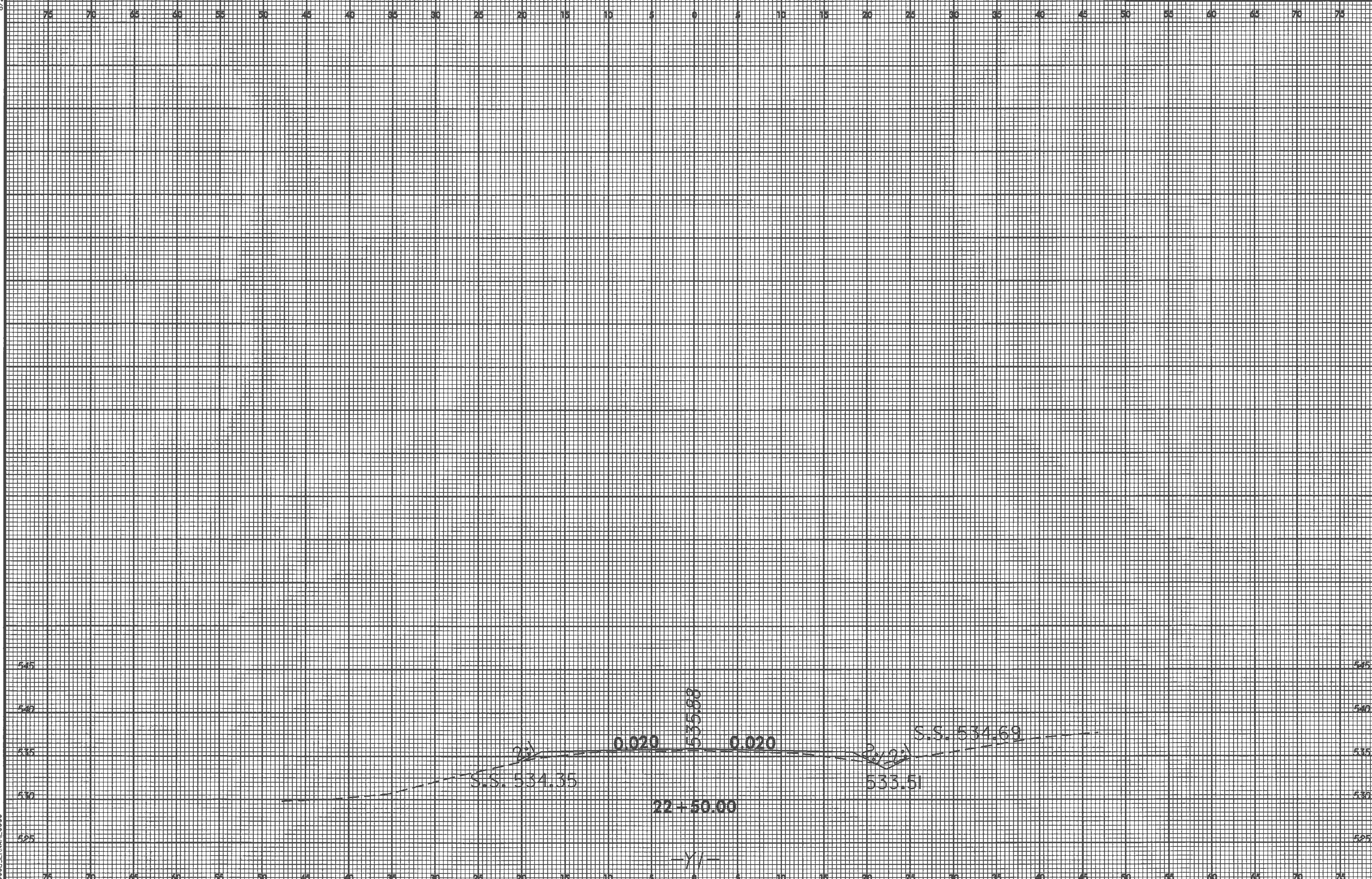

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