

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

CONVENTIONAL PLAN SHEET SYMBOLS

Note: Not to Scale

*S.U.E. = Subsurface Utility Engineering

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	①23
Existing Fence Line	-x-x-x-
Proposed Woven Wire Fence	○
Proposed Chain Link Fence	□
Proposed Barbed Wire Fence	◇
Existing Wetland Boundary	-WLB-
Proposed Wetland Boundary	-WLB-
Existing Endangered Animal Boundary	-EAB-
Existing Endangered Plant Boundary	-EPB-
Known Soil Contamination: Area or Site	☠ ☠
Potential Soil Contamination: Area or Site	☠ ?

BUILDINGS AND OTHER CULTURE:

Gas Pump Vent or U/G 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	-JS-
Buffer Zone 1	-BZ 1-
Buffer Zone 2	-BZ 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 C/A Marker	⊙
Existing Control of Access	⊙
Proposed Control of Access	⊙
Existing Easement Line	-E-
Proposed Temporary Construction Easement	-E-
Proposed Temporary Drainage Easement	-TDE-
Proposed Permanent Drainage Easement	-PDE-
Proposed Permanent Drainage / Utility Easement	-DUE-
Proposed Permanent Utility Easement	-PUE-
Proposed Temporary Utility Easement	-TUE-
Proposed Aerial Utility Easement	-AUE-
Proposed Permanent Easement with Iron Pin and Cap Marker	⊙

ROADS AND RELATED FEATURES:

Existing Edge of Pavement	-----
Existing Curb	-----
Proposed Slope Stakes Cut	-C-
Proposed Slope Stakes Fill	-F-
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	-----

Orchard	⊙
Vineyard	⊠

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	⊠
U/G Power Cable Hand Hole	⊠
H-Frame Pole	⊙
Recorded U/G Power Line	-----
Designated U/G Power Line (S.U.E.*)	-----

TELEPHONE:

Existing Telephone Pole	⊙
Proposed Telephone Pole	⊙
Telephone Manhole	⊙
Telephone Booth	⊠
Telephone Pedestal	⊠
Telephone Cell Tower	⊙
U/G Telephone Cable Hand Hole	⊠
Recorded U/G Telephone Cable	-----
Designated U/G Telephone Cable (S.U.E.*)	-----
Recorded U/G Telephone Conduit	-----
Designated U/G Telephone Conduit (S.U.E.*)	-----
Recorded U/G Fiber Optics Cable	-----
Designated U/G Fiber Optics Cable (S.U.E.*)	-----

WATER:

Water Manhole	⊙
Water Meter	⊙
Water Valve	⊙
Water Hydrant	⊙
Recorded U/G Water Line	-----
Designated U/G Water Line (S.U.E.*)	-----
Above Ground Water Line	-----

TV:

TV Satellite Dish	⊙
TV Pedestal	⊠
TV Tower	⊙
U/G TV Cable Hand Hole	⊠
Recorded U/G TV Cable	-----
Designated U/G TV Cable (S.U.E.*)	-----
Recorded U/G Fiber Optic Cable	-----
Designated U/G Fiber Optic Cable (S.U.E.*)	-----

GAS:

Gas Valve	⊙
Gas Meter	⊙
Recorded U/G Gas Line	-----
Designated U/G Gas Line (S.U.E.*)	-----
Above Ground Gas Line	-----

SANITARY SEWER:

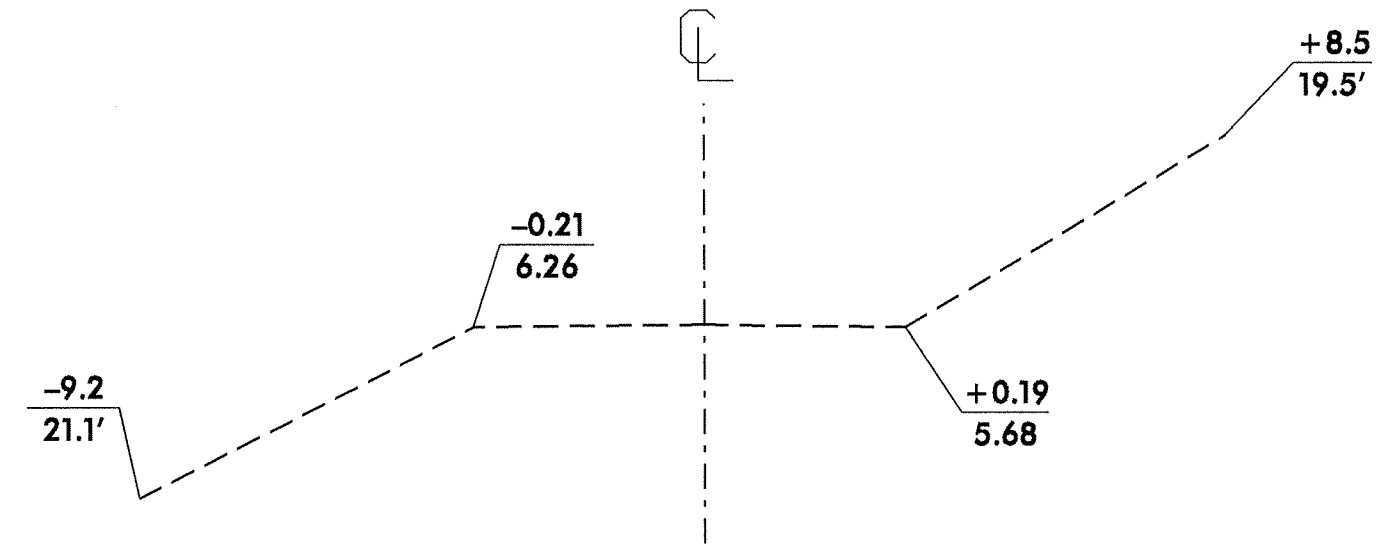
Sanitary Sewer Manhole	⊙
Sanitary Sewer Cleanout	⊙
U/G Sanitary Sewer Line	-----
Above Ground Sanitary Sewer	-----
Recorded SS Forced Main Line	-----
Designated SS Forced Main Line (S.U.E.*)	-----

MISCELLANEOUS:

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

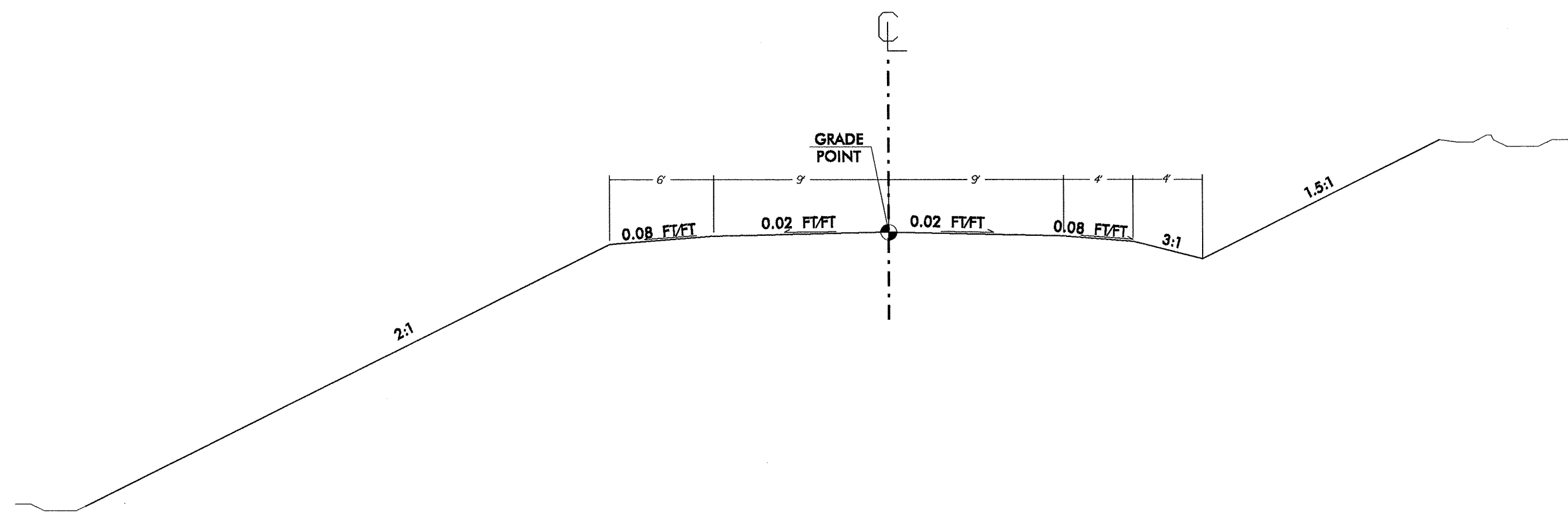
PROJECT REFERENCE NO. SR 1358F	SHEET NO. 3
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

EXISTING TYPICAL



NOT TO SCALE

PROPOSED TYPICAL



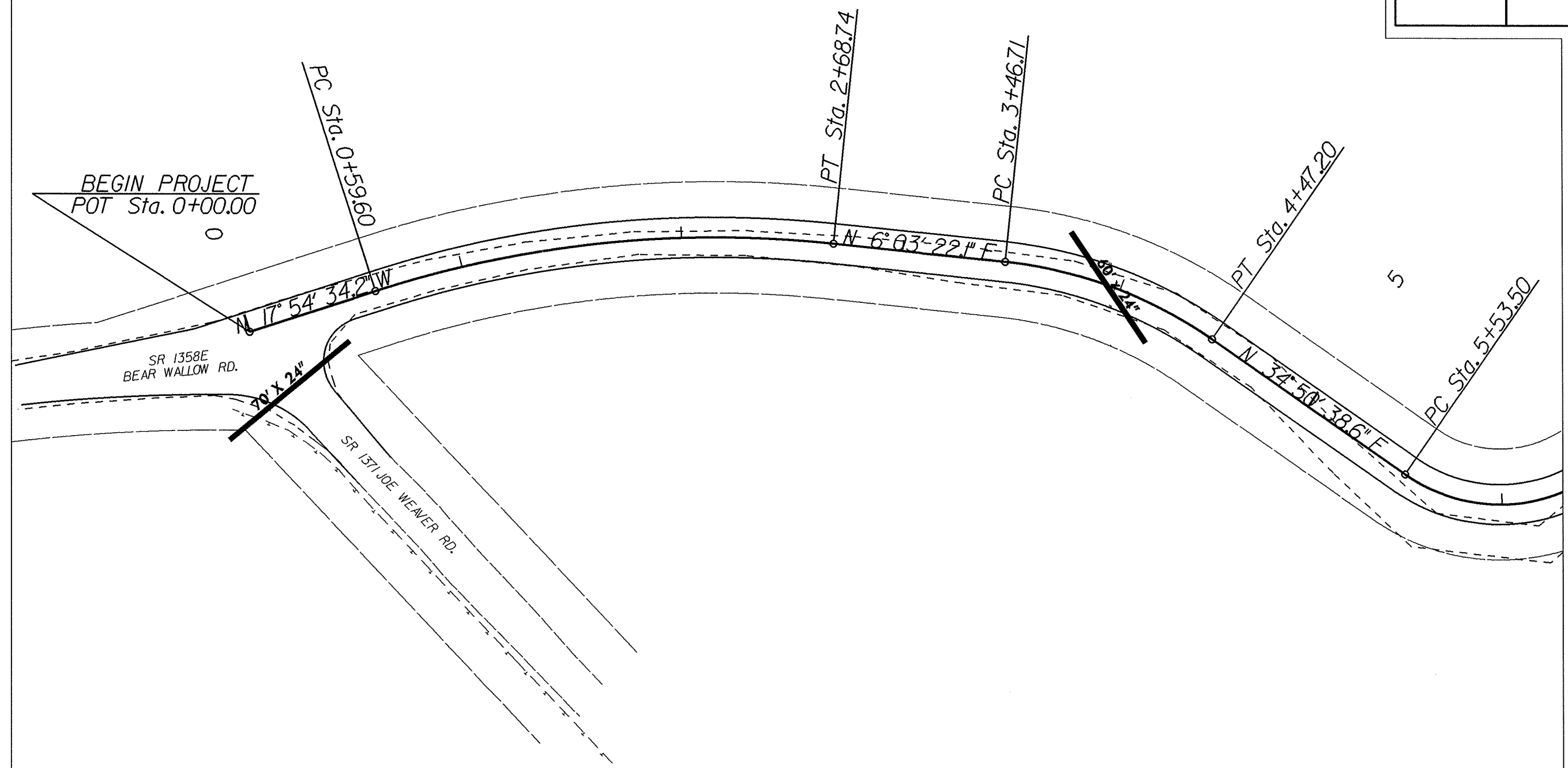
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REVISIONS

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PROJECT REFERENCE NO. SR 1358F	SHEET NO. 4
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



MATCHLINE SEE SHEET 5

PI Sta 1+65.72	PI Sta 5+99.54	PI Sta 3+98.04
$\Delta = 23^\circ 57' 56.4''$ (RT)	$\Delta = 63^\circ 05' 31.7''$ (LT)	$\Delta = 28^\circ 47' 16.4''$ (RT)
D = 11' 27' 33.0"	D = 76' 23' 39.7"	D = 28' 38' 52.4"
L = 209.14'	L = 82.59'	L = 100.49'
T = 106.12'	T = 46.04'	T = 51.33'
R = 500.00'	R = 75.00'	R = 200.00'

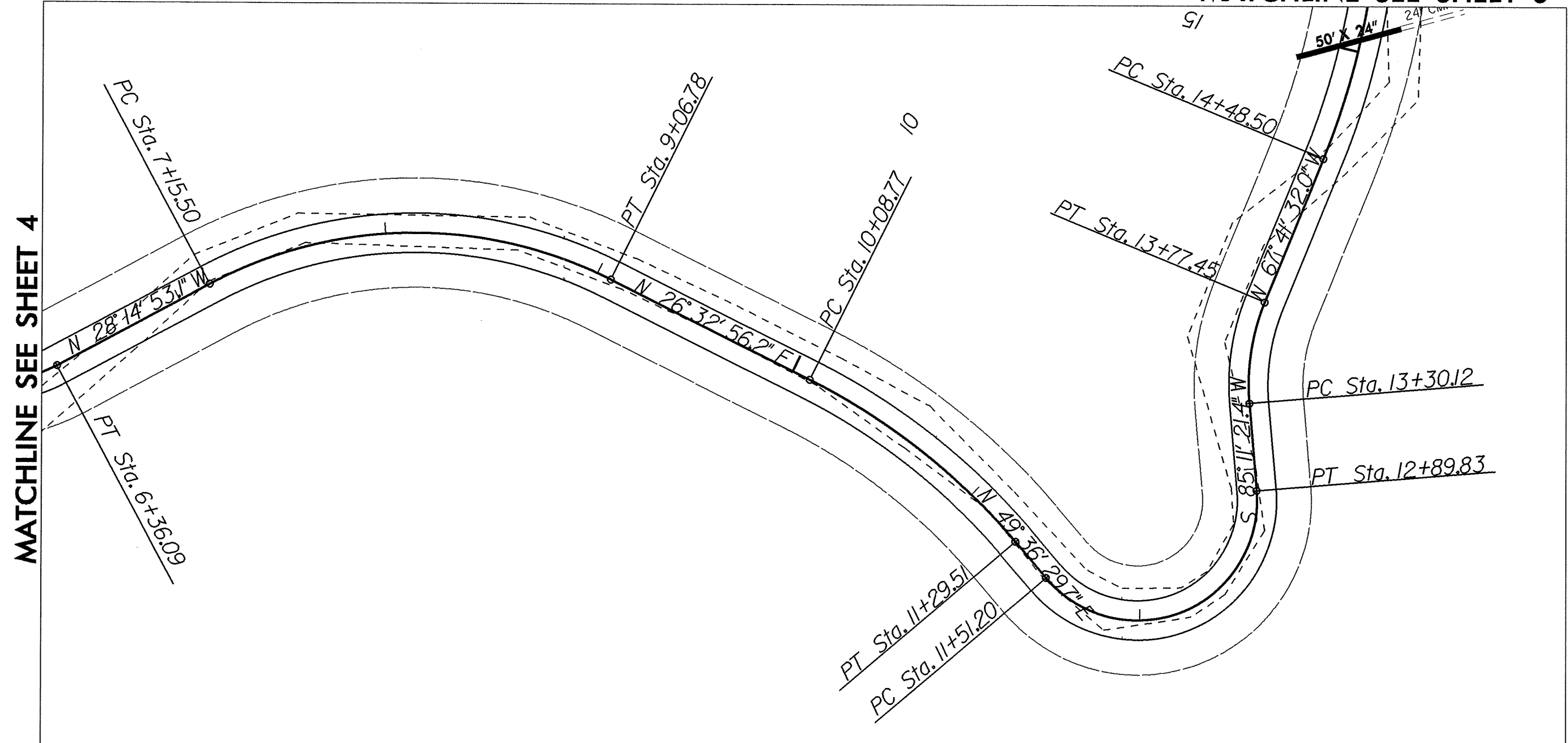
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PROJECT REFERENCE NO. SR 1358F	SHEET NO. 5
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



MATCHLINE SEE SHEET 6



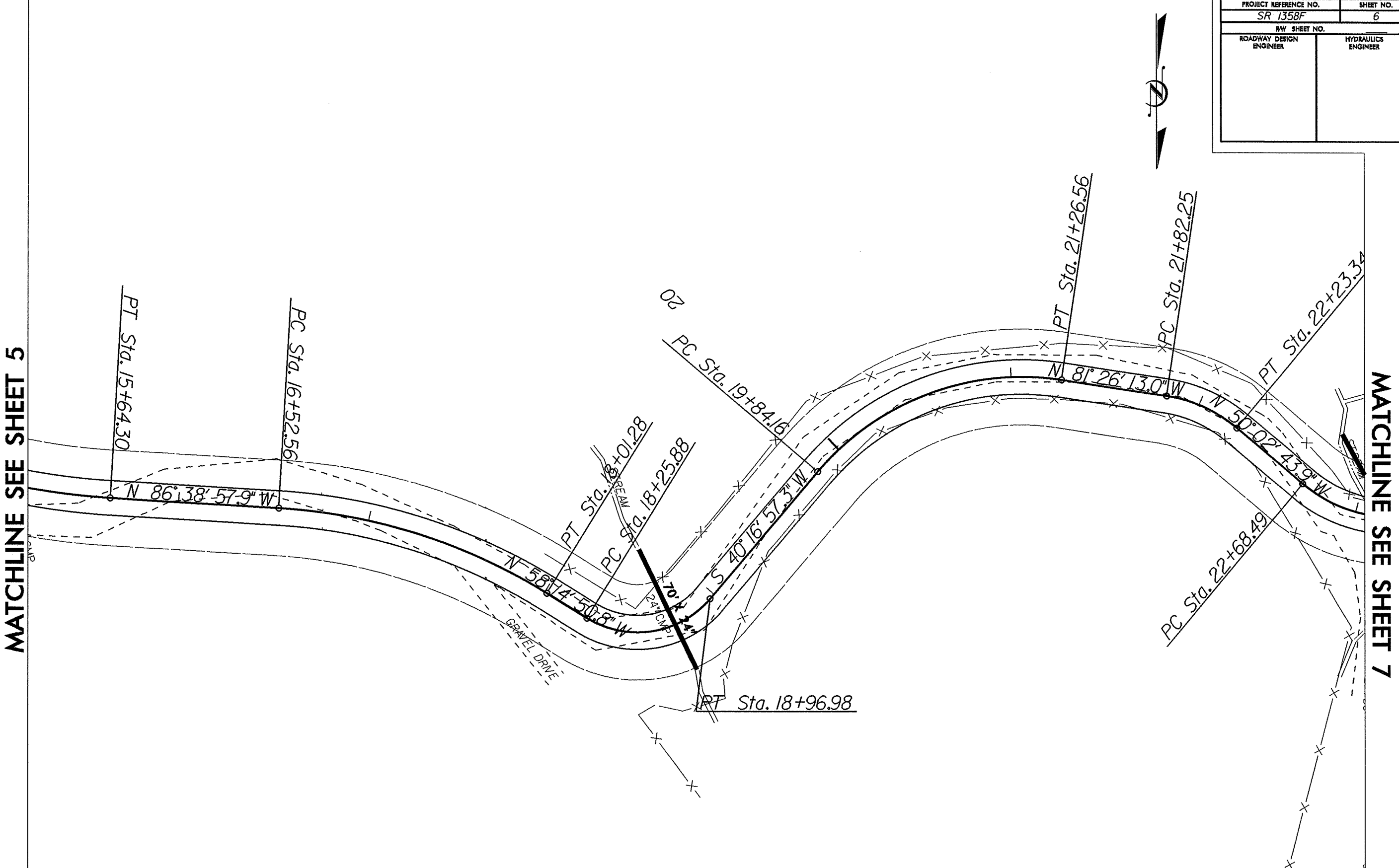
MATCHLINE SEE SHEET 4

PI Sta 8+19.17	PI Sta 10+69.97	PI Sta 13+22.60	PI Sta 13+54.24
$\Delta = 54^\circ 47' 49.3''$ (RT)	$\Delta = 23^\circ 03' 33.6''$ (RT)	$\Delta = 144^\circ 25' 08.4''$ (LT)	$\Delta = 27^\circ 07' 06.6''$ (RT)
D = 28° 38' 52.4"	D = 19° 05' 54.9"	D = 104° 10' 26.9"	D = 57° 17' 44.8"
L = 191.28'	L = 120.74'	L = 138.63'	L = 47.33'
T = 103.66'	T = 61.20'	T = 171.40'	T = 24.12'
R = 200.00'	R = 300.00'	R = 55.00'	R = 100.00'

REVISIONS

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PROJECT REFERENCE NO. SR 1358F	SHEET NO. 6
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



MATCHLINE SEE SHEET 5

MATCHLINE SEE SHEET 7

REVISIONS

PI Sta 15+06.94 Δ = 18° 57' 26.0" (LT) D = 16° 22' 12.8" L = 115.80' T = 58.44' R = 350.00'	PI Sta 17+28.48 Δ = 28° 24' 07.1" (RT) D = 19° 05' 54.9" L = 148.71' T = 75.92' R = 300.00'	PI Sta 18+68.94 Δ = 8° 28' 11.8" (LT) D = 114° 35' 29.6" L = 71.10' T = 43.06' R = 50.00'	PI Sta 20+62.21 Δ = 58° 16' 49.7" (RT) D = 40° 55' 32.0" L = 142.41' T = 78.05' R = 140.00'	PI Sta 22+03.32 Δ = 3° 23' 29.1" (RT) D = 76° 23' 39.7" L = 41.09' T = 21.08' R = 75.00'
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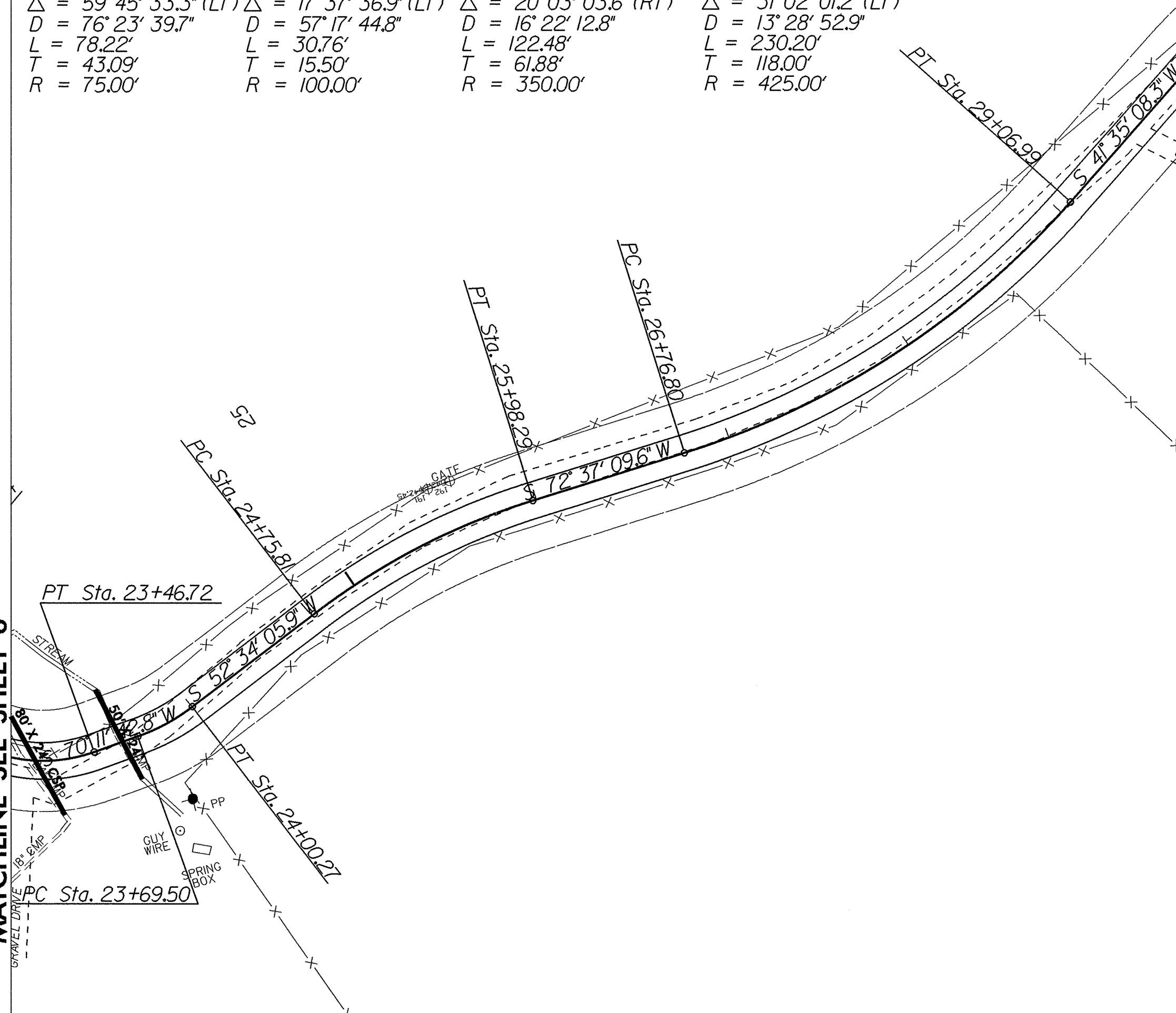
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MATCHLINE SEE SHEET 6

PI Sta 23+11.58 $\Delta = 59^\circ 45' 33.3" (LT)$ $D = 76^\circ 23' 39.7"$ $L = 78.22'$ $T = 43.09'$ $R = 75.00'$	PI Sta 23+85.01 $\Delta = 17^\circ 37' 36.9" (LT)$ $D = 57^\circ 17' 44.8"$ $L = 30.76'$ $T = 15.50'$ $R = 100.00'$	PI Sta 25+37.68 $\Delta = 20^\circ 03' 03.6" (RT)$ $D = 16^\circ 22' 12.8"$ $L = 122.48'$ $T = 61.88'$ $R = 350.00'$	PI Sta 27+94.79 $\Delta = 31^\circ 02' 01.2" (LT)$ $D = 13^\circ 28' 52.9"$ $L = 230.20'$ $T = 118.00'$ $R = 425.00'$
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MATCHLINE SEE SHEET 8

PROJECT REFERENCE NO. SR 1358F	SHEET NO. 7
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

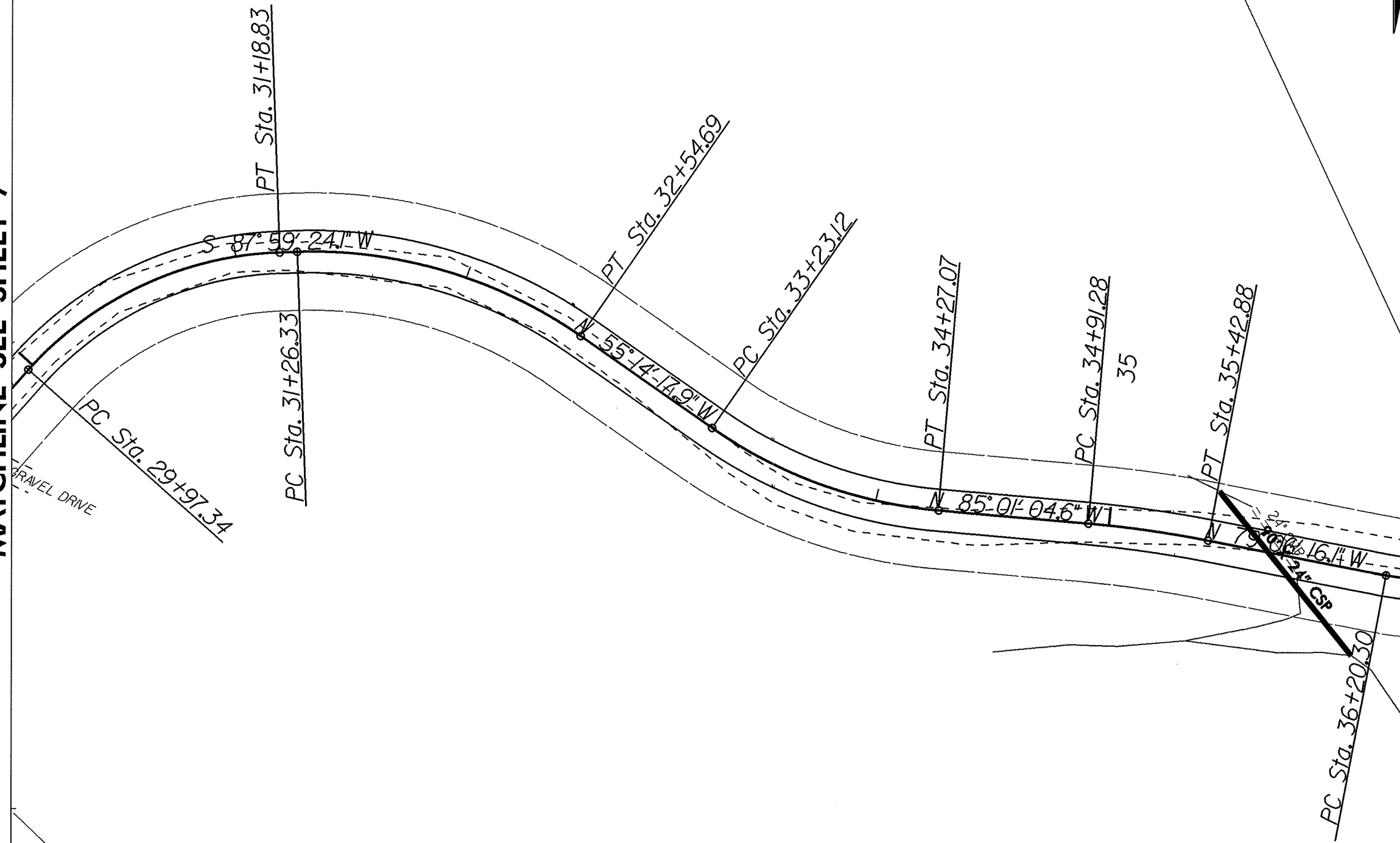


PROJECT REFERENCE NO. SR 1358F	SHEET NO. 8
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



MATCHLINE SEE SHEET 7

MATCHLINE SEE SHEET 9

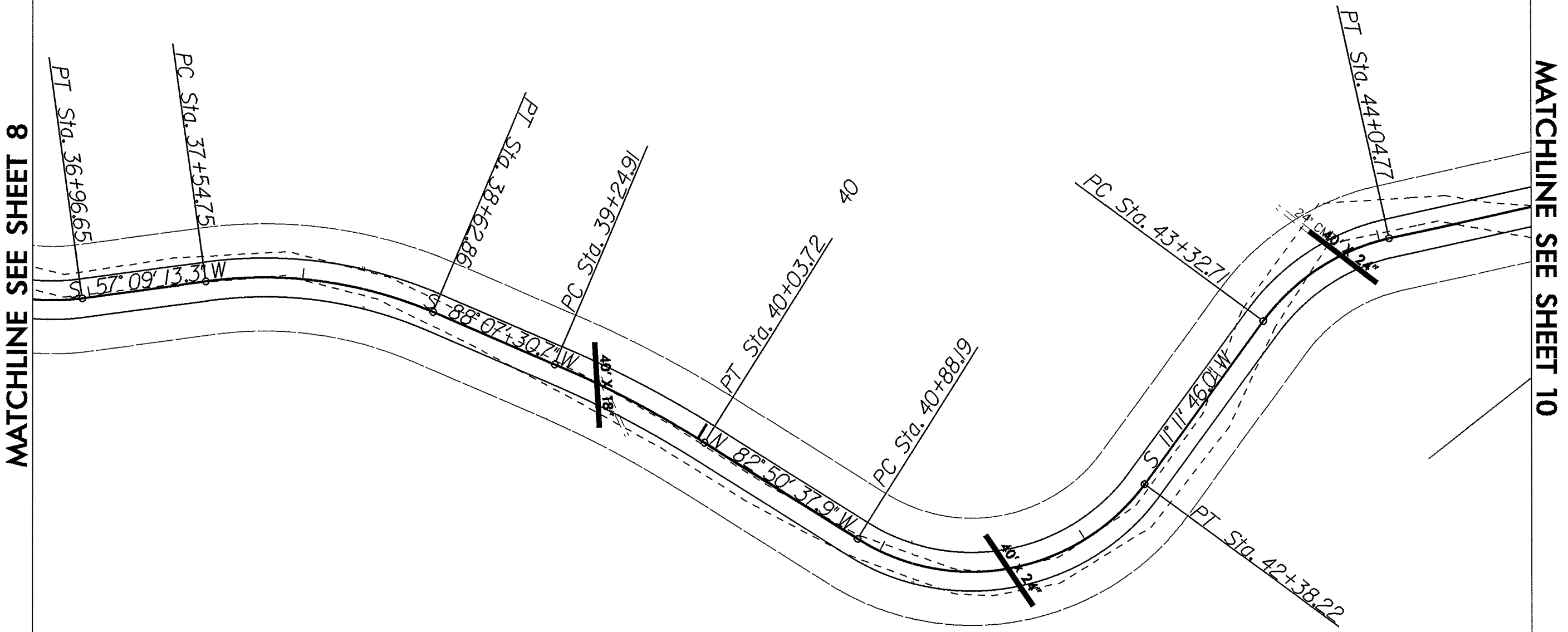
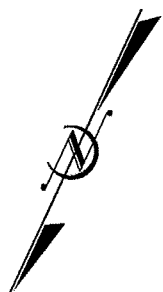


PI Sta 30+61.64	PI Sta 31+92.81	PI Sta 33+76.30	PI Sta 35+17.10	PI Sta 36+60.45	PI Sta 38+10.16
$\Delta = 46^\circ 24' 15.7''$ (RT)	$\Delta = 36^\circ 46' 18.0''$ (RT)	$\Delta = 29^\circ 46' 46.7''$ (LT)	$\Delta = 5^\circ 54' 48.5''$ (RT)	$\Delta = 43^\circ 44' 30.6''$ (LT)	$\Delta = 30^\circ 58' 17.5''$ (RT)
D = 38' 11' 49.9"	D = 28' 38' 52.4"	D = 28' 38' 52.4"	D = 11' 27' 33.0"	D = 57' 17' 44.8"	D = 28' 38' 52.4"
L = 121.49'	L = 128.36'	L = 103.95'	L = 51.60'	L = 76.34'	L = 108.11'
T = 64.30'	T = 66.48'	T = 53.18'	T = 25.83'	T = 40.14'	T = 55.41'
R = 150.00'	R = 200.00'	R = 200.00'	R = 500.00'	R = 100.00'	R = 200.00'

REVISIONS

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PROJECT REFERENCE NO.	SHEET NO.
SR 1358F	9
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



MATCHLINE SEE SHEET 8

MATCHLINE SEE SHEET 10

PI Sta 39+64.39	PI Sta 41+81.38	PI Sta 43+70.39	PI Sta 47+48.65
$\Delta = 9^{\circ} 01' 51.4''$ (RT)	$\Delta = 85^{\circ} 57' 36.2''$ (LT)	$\Delta = 41^{\circ} 17' 29.9''$ (RT)	$\Delta = 20^{\circ} 46' 22.5''$ (RT)
D = 11° 27' 33.0"	D = 57° 17' 44.8"	D = 57° 17' 44.8"	D = 16° 22' 12.8"
L = 78.81'	L = 150.03'	L = 72.07'	L = 126.89'
T = 39.49'	T = 93.19'	T = 37.68'	T = 64.15'
R = 500.00'	R = 100.00'	R = 100.00'	R = 350.00'

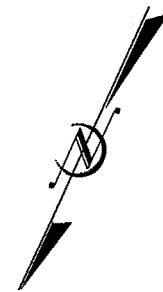
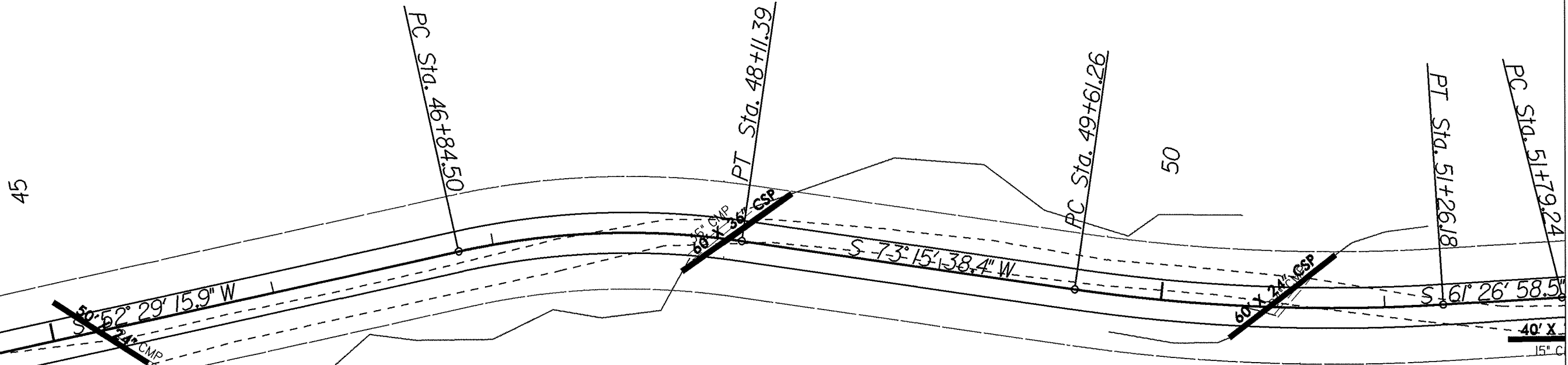
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MATCHLINE SEE SHEET 9



PROJECT REFERENCE NO. SR 1358F	SHEET NO. 10
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

MATCHLINE SEE SHEET 11

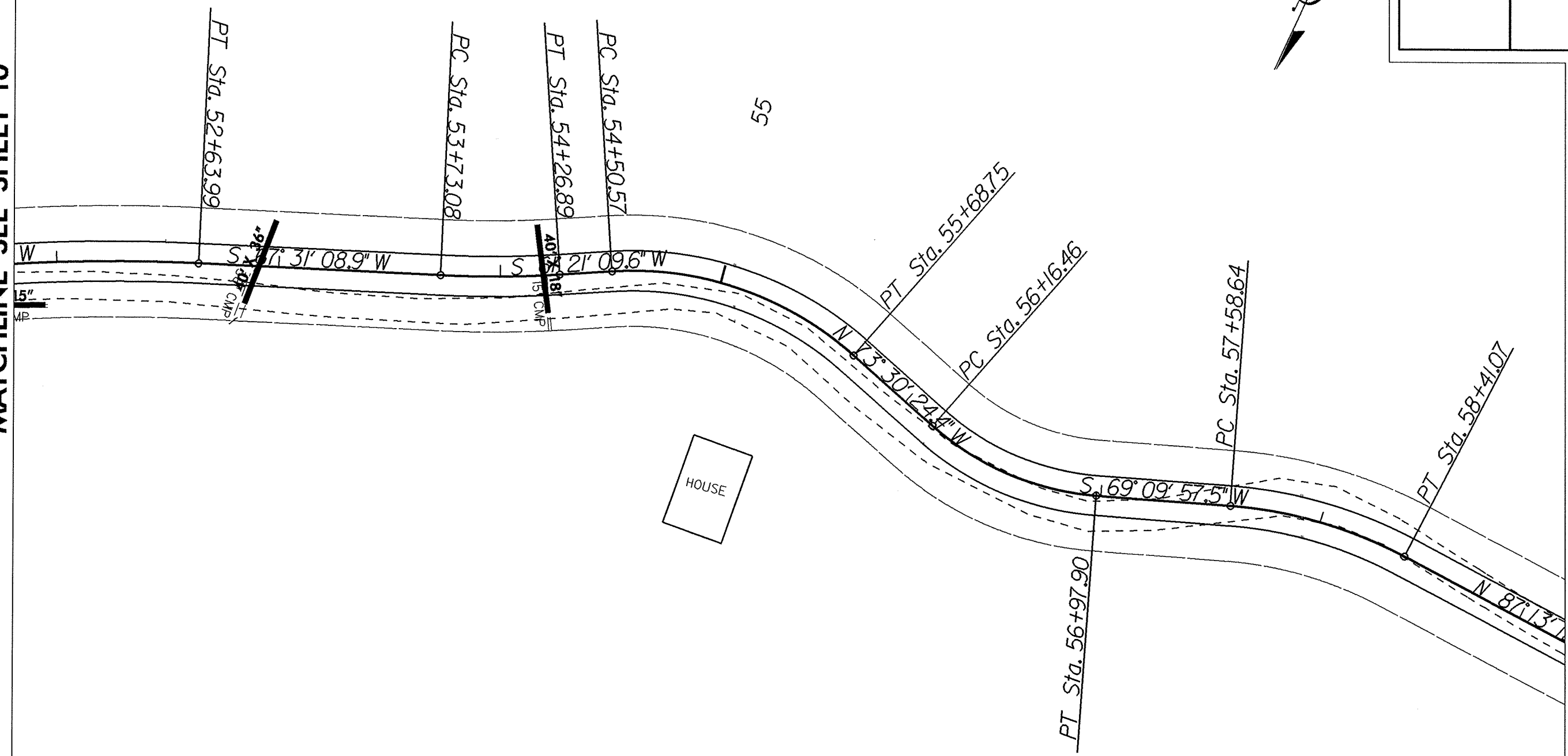
PI Sta 50+44.01 $\Delta = 11^{\circ} 48' 39.9''$ (LT) $D = 7^{\circ} 09' 43.1''$ $L = 164.91'$ $T = 82.75'$ $R = 800.00'$	PI Sta 52+21.65 $\Delta = 6^{\circ} 04' 10.4''$ (RT) $D = 7^{\circ} 09' 43.1''$ $L = 84.75'$ $T = 42.41'$ $R = 800.00'$	PI Sta 54+00.01 $\Delta = 6^{\circ} 09' 59.3''$ (LT) $D = 11^{\circ} 27' 33.0''$ $L = 53.81'$ $T = 26.93'$ $R = 500.00'$	PI Sta 55+12.92 $\Delta = 45^{\circ} 08' 26.0''$ (RT) $D = 38^{\circ} 11' 49.9''$ $L = 118.18'$ $T = 62.35'$ $R = 150.00'$
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PROJECT REFERENCE NO. SR 1358F	SHEET NO. II
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



MATCHLINE SEE SHEET 10

MATCHLINE SEE SHEET 12



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HOUSE

PI Sta 56+58.68	PI Sta 58+00.45
$\Delta = 37^{\circ} 19' 38.1''$ (LT)	$\Delta = 23^{\circ} 36' 50.2''$ (RT)
$D = 45^{\circ} 50' 11.8''$	$D = 28^{\circ} 38' 52.4''$
$L = 81.44'$	$L = 82.43'$
$T = 42.22'$	$T = 41.81'$
$R = 125.00'$	$R = 200.00'$

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