

## SECTION 5 - APPENDICES

### 5.1 PLAN-PROFILE CHECK LIST

PROJECT \_\_\_\_\_  
 DATE \_\_\_\_\_  
 FINAL CHECKED BY \_\_\_\_\_  
 DESIGN BY THIS OFFICE   
 CONSULTANT

ACCEPTABLE  
 REVISE  
 NOT SHOWN

**FOR MOSAIC OR PLAN PORTIONS:**

- |                          |                          |                          |   |
|--------------------------|--------------------------|--------------------------|---|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | - Title Sheet including key map, sheet index, soils legend, notes                                 |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | - Land Descriptions and North Arrow   |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | - Land Owners Names (if available)  |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | - Existing and proposed R/W boundaries with dimensions  |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | - Superelevation rates on horizontal curves   |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | - Alignment Information (C.T., T.C., chainages to section lines, R/A's, drainage equations, etc.) |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | - Design Speed  |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | - Existing and Proposed Entrances   |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | - Existing and Proposed Culverts (utilize culvert tables as required)                             |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | - F.I.P.'s (with stations and distance from centreline)   |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | - 500 metre Markers   |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | - Bridge Information (file number, drawing reference no.)   |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | - km Posts with Stations, Beginning and End km, Stations, Grading Limits                          |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | - References to Intersection Plan Numbers (eg: for details see IN-295-1-P)                        |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | - Label Important Intersection Roadways by Number or Name   |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | - Title Block with Sheet No., Hwy. Sect. No., Vert. & Horiz. Scale & Project Description          |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | - Pipelines and Utilities (power lines, A.G.T. buried cable and pedestals, etc.)                  |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | - Borrow Pit Locations (yellow pencil) if required)   |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | - Other   |

**FOR PROFILE PORTION:**

- |                          |                          |                          |   |
|--------------------------|--------------------------|--------------------------|---|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | - Elevations for Vertical Control every 5 metres  |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | - Stations for Horizontal Control every 500 metres                                      |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | - Sod Lines Show Centreline, Lt. Sod & Rt. Sod  |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | - Proposed Ditches Lt. or Rt.   |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | - Design Show "Centreline Finished Pavement" or "Centreline Subgrade"                   |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | - km Posts with Stations, Beginning and End Km, Stations, Grading Limits                |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | - "Surveyed" and "Designed" by Whom? Also "Date"  |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | - Typical Cross-Sections (Hor 1:200 Vert 1:100 Also Widths, Ground Lines, Old Road etc) |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | - Soil Tests to Scale, Label with Station and Distance Lt. or Rt. of Centreline         |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | - Vertical Elevations on Curves only (Show Sta. if not on even 20 m interval)           |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | - Direction for R/A's (ie., North-South)  |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | - Grade Percentages   |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | - Chainage Ties for Road Allowance Intersections  |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | - "K" Values for Vertical Curves  |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | - "Haul Points", Borrow Pits Showing Quantities and Dead Haul Distances                 |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | - Other   |

Notes: Separate sheets should be utilized for: Typical Cross-Sections, Extra Soil Logs or Muskeg Probes, Drainage Structures, Retaining Walls, Landscaping Details, etc. Mass Haul Diagrams must be plotted on a separate sheet and not numbered as part of the plan-profile set

## SECTION 5 - APPENDICES

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### 5.2 STANDARD ABBREVIATIONS

A...

TERM	ABBREVIATION	TERM	ABBREVIATION
Spiral Parameter, Angle	A	Alternate, Alternative	ALT
Algebraic Difference In Gradient	A%	Aluminum	ALUM
Average Annual Daily Traffic	AADT	Amber	AMB
American Association Of State Highway And Transportation Officials	AASHTO	American	AMER
Alberta	AB	Ancillary	ANC
Abandon	ABAN	American National Standards Institute	ANSI
Absolute	ABS	Approach Slab	APP
Abutment	ABUT	Approximate	APPROX
Acre	AC	Airport	APRT
Acceleration	ACCEL	Approach Road	AR
Asphalt Concrete Pavement	ACP	Alberta Resources Railway	ARR
Across	ACR	Asphalt Stabilized Base Course	ASBC
Access	ACS	Alberta Survey Control Monument	ASCM
Actual	ACT	Above Mean Sea Level	ASL
Adjust, Adjacent	ADJ	Asphalt Surface Treatment	AST
Average Daily Traffic	ADT	American Society For Testing And Materials	ASTM
Alberta Energy And Utilities Board	AEUB	Alberta Transportation And Utilities	AT&U
Alberta Forest Service	AFS	Air Terminal Building	ATB
Aggregate	AGGR	Auxiliary	AUX
Agriculture	AGRIC	Avenue_	AVE
Alberta Government Telephones Limited	AGT	Average	AVG
Ahead	AHD	Asphalt Wearing Surface	AWS
Alberta Land Surveyor	ALS	Azimuth	AZ

B...

TERM	ABBREVIATION	TERM	ABBREVIATION
Bell & Spigot	B&S	Building	BLDG
Baffle	BAF	Black	BLK
Bottom Of Bank (Stream)	BB	Boulevard	BLVD
Back To Back	B to B	Benchmark	BM

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<b>TERM</b>	<b>ABBREVIATION</b>	<b>TERM</b>	<b>ABBREVIATION</b>
Barrel	BBL	Bottom	BOT
British Columbia	BC	Borrow Pit, Balance Point	BP
Boundary	BDY	Bridge	BR
Bridge Engineering Branch (At&U)	BEB	Bearing	BRG
Beginning	BEG	Brown	BRN
Bituminous	BIT	Backsight	BS
Backfill	BKF	Beginning Of Vertical Curve	BVC
Baseline	B/L	Barbed Wire (Fence)	BW

C...

<b>TERM</b>	<b>ABBREVIATION</b>	<b>TERM</b>	<b>ABBREVIATION</b>
Curb And Gutter	C&G	Canadian National Railway	CNR
Centre To Centre	C/C	Company	CO
Centre To Centre	C to C	Column	COL
Chord Length, Centre, Cut, Curve, Curb	C	Community, Commercial	COM
Calculated	CALC	Compacted	COMP
Camber	CAM	Concrete	CONC
Canada	CAN	Connector, Connection	CONN
Corrugated Aluminum Pipe	CAP	Construct	CONST
Corrugated Aluminum Pipe Arch	CAPA	Construction	CONSTR
Catch Basin	CB	Continuous, Continued	CONT
Concrete Box Culvert	CBC	Coordinate	COORD
Catch Basin Cover	CBCOV	Corner	COR
Catch Basin Manhole	CBMH	Corrugated, Correction	CORR
Concrete Box Structure	CBS	Cover	COV
Collector - Distributor	C – D	Cattlepass, Corner Post (Fence)	CP
Canadian	CDN	Coupler	CPLR
Conduit	CDT	Corrugated Polyethylene Pipe	CPP
Contracts Engineering Branch (At&U)	CEB	Canadian Pacific Railway	CPR
Cement, Cemetery	CEM	Control Point	CPT
Concrete Floor	CF	Chlorinated Polyvinyl Chloride	CPVC
Cattle Guard	CG	Coring	CRG
Canadian General Standards Board	CGSB	Creek	CRK
Chain	CH	Curve To Spiral	CS

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TERM	ABBREVIATION	TERM	ABBREVIATION
Chamfer	CHAM	Canadian Standards Association	CSA
Channel	CHAN	Cement Stabilized Base Course	CSBC
Chip Seal Coat	Chip	Corrugated Steel Pipe	CSP
Checked	CHKD	Corrugated Steel Pipe Arch	CSPA
Chainage Equation	CHN EQN	Corrugated Steel Pipe Manhole	CSPMH
Check Chained	CHK CH	Corrugated Steel Pipe Perforated	CSPP
Curb Inlet, Centre Island	CI	Curve To Tangent, Court	CT
Cast-In-Place	C-I-P	Coated	CID
Construction Joint	CJ	Centre	CTR
Centre Line, Chain Link (Fence)	CL	County	CTY
Classification	CLASS	Cultivated Field	CULT
Clearance, Clear, Collar	CLR	Culvert	CULV
Concrete Manhole	CMH	Complete With	C/W
		Central Western Railway	CWR

D...

TERM	ABBREVIATION	TERM	ABBREVIATION
Datum	DAT	Director, Direction	DIR
Double	DBL	Distance, District	DIST
Ditch Block	DBLK	Dike, Dark	DK
Degree Of Curvature (Imperial)	D or Dc	Dead Load	DL
Design Data	DD	Dominion Land Surveyor	DLS
Deceleration	DECEL	Double Meridian Distance	DMD
Deflect, Deflection	DEFL	Drop Manhole	DMH
Degree (Angle)	DEG	Downdrain	DNDRN
Department	DEPT	Downslope	DNSLP
Designation	DES	Drive, Driveway	DR
Detail, Detour	DET	Drain, Drainage	DRN
Drafting	DFTG	Driveway	DRWY
Dead Haul	DH	Downstream	D/S
Design Hourly Volume	DHV	Double Seal Coat	DSC
Drop Inlet	DI	Design	DSGN
Diameter	DIA	Disposal	DSPL
Diagram .	DIAG	Ditch	DT
Diaphragm	DIAPH	District Transportation Engineer	DTE
Difference	DIFF	Drawing	DWG
Dimension	DIM		

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<b>TERM</b>	<b>ABBREVIATION</b>	<b>TERM</b>	<b>ABBREVIATION</b>
E ...			
Rate Of Superelevation	e	Entrance	ENT
East, Distance From P.I. To Middle Of Arc	E	Edge Of Pavement	EOP
Each	EA	End Product Specifications	EPS
Earth Borrow	EB	Equalizer	EQ
East Bound Lanes)	EBL	Equipment	EQPT
Electronic Distance Measurement, Edmonton	EDM	Equivalent	EQUIV
End To End	E to E	Easement	ESMT
Electric Fence	EF	Estimate	EST
Elevation (Above Datum)	EL	End Of Vertical Curve	EVC
Elbow	ELB	Expressway	EWY
Electric	ELEC	Excavation, Excavate	EXC
Elevation (View)	ELEV	Existing	EXIST
Eliminate	ELIM	Expansion	EXP
Elliptical	ELP	Extension, Exterior, Extend	EXT
Embankment	EMB	End To End	E to E
Engineer	ENGR		

F ...

<b>TERM</b>	<b>ABBREVIATION</b>	<b>TERM</b>	<b>ABBREVIATION</b>
Fabricate	FAB	Fence Post	FP
Foundation	FDN	Frame	FR
Federal	FED	Frame & Cover	FR & COV
Final Earthworks Quantity System	FEQS	Frame & Grate	FR & GRT
Face To Face	F to F	Fractional	FRAC
Freehaul, Fire Hydrant	FH	Fibreglass Reinforced Plastic	FRP
Figure	FIG	Frontage Road	FR RD
Found Iron Post (Or Pin)	FIP	Foresight	FS
First Course Gravel Surfacing	1 <sup>ST</sup> COURSE	Feet, Foot, Fort	FT
Flood, Flow Line, Flow	FL	Footing	FTG
Field Entrance	FLD ENT	Future	FUT
Flange	FLG	Forward	FWD
Farm Entrance	FM ENT	Freeway	FWY
		Fixed	FXD

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TERM	ABBREVIATION	TERM	ABBREVIATION
G ...			
Gauge, Gage	GA	Guide Post	GP
Galvanized	GALV	Grade, Gravel, Grate	GR
Galvanized Iron	GALVI	Granular	GRAN
Galvanized Steel	GALVS	Ground	GRD
Garage	GAR	Green	GRN
Granular Base Course	GBC	Grate	GRT
Garden	GDN	Groove	GRV
Guard Rail	GDR	Grade Separation	GS
Geotextile Filter Fabric	GFF	Government - Supplied Material	GSM
Gasline, Gradeline, Ground Level	GL	Gutter	GUT
Government	GOVT		

## H ...

TERM	ABBREVIATION	TERM	ABBREVIATION
Half-Round	1/2 RD	Headquarters	HQ
High Density Concrete	HDC	Headlight Sight Distance	HSD
Hand Rail	HI)/R	House	HSE
Headwater	HDW	Height	HT
Headwall	HDWL	Heavy	HVY
Helicopter	HEL	High Water	HW
Hexagon	HEX	High Water Level	HWL
Height	HGT	High Water Mark	HWM
Height Of Instrument	HI	Highway	HWY
Hot-In-Place Pavement Recycling	HIPPR	Hydrant	HYD
Horizontal	HORIZ	Hydraulic	HYDR
Hospital	HOSP		

## I ...

TERM	ABBREVIATION	TERM	ABBREVIATION
Inlet & Outlet	I&O	Instrumentation	INSTM
Install And Remove (Temporary Installation)	I&R	Intersection, Interior	ENT
Improvement District, Inside Diameter	ID	Interchange	INTCH
International Electrotechnical Commission	IEC	Intersection Equation	INT EQN
Institute Of Electric And Electronic Engineers	IEEE	International	INTL
Inlet Manhole	IMH	Interval	INTVL
Imperial	RAP	Invert	INV

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<b>TERM</b>	<b>ABBREVIATION</b>	<b>TERM</b>	<b>ABBREVIATION</b>
Inch	IN	In North West	INW
Inclined, Included, Inclusive	INCL	Iron Pipe, Iron Pin, Iron Post	IP
Increment	INCR	Indian Reserve	IR
In North East	INE	Irrigation	IRR
Information	INFO	Island	IS
Inlet	INL	Intersection Sight Distance	ISD
Inner	INR	In South East	ISE
Instrument, Install, Instantaneous	INST	International Organization For Standardization	ISO
Installation	INSTL	In South West	ISW

J ...

<b>TERM</b>	<b>ABBREVIATION</b>	<b>TERM</b>	<b>ABBREVIATION</b>
Junction Box	JB	Jacking	JKG
Junction	JCT	Joint	JT

K ...

<b>TERM</b>	<b>ABBREVIATION</b>	<b>TERM</b>	<b>ABBREVIATION</b>
Parameter Is Coefficient For Defining Rate Of Change Of Gradient	K	Kilometres Per Hour	kph
Kilometre	km		

L ...

<b>TERM</b>	<b>ABBREVIATION</b>	<b>TERM</b>	<b>ABBREVIATION</b>
Length Of Simple Curve	L	Lining & Grouting	LNG & GTG
Laboratory	LAB	Location	LOC
Latitude	LAT	Longitude, Longitudinal	LONG
Lateral	LATL	Line-Of-Sight, Level Of Service	LOS
Length Of Circular Curve	Lc	Light Pole	LP
Long Chord	LC	Local Road	LR
Landing	LDG	Legal Subdivision	LS
Landmark	LDMK	Length Of Spiral	Ls
Length, Long	LG	Left, Light	LT
Left Hand Forward	LHF	Left Bank	LTBK
Licence	LIC	Limited	LTD
Limit	LIM	Level Equation	LVL EQN
Lineal Or Linear	LIN	Low Water	LW
Link, Lake	LK	Low Water Level	LWL
Lookout	LKT	Low Water Mark	LWMK
Lane	LN		

M ..

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TERM	ABBREVIATION	TERM	ABBREVIATION
Metre	m	Mark	MK
Mound	M	Marked	MKD
Maintenance	MAINT	Marker	MKR
Major	MAJ	Material List	ML
Material	MATL	Millimetre	Mm
Maximum	MAX	Main	MN
Municipal District	MD	Manual	MNL
Median Drain Inlet	MDI	Modify, Modification	MOD
Mechanical	MECH	Monument	MON
Median, Medium	MED	Mortar	MOR
Memorandum	MEMO	Mosaic	MOS
Meridian	MER	Marker Post	MP
Manager	MGR	Miles Per Hour	MPH
Manhole	MH	Miscellaneous Road	MR
Manhole Cover	MHC	Mean Sea Level	MSL
Mile	MI	Montana	MT
Minimum, Minor, Minute	MIN	Mountain	MTN
Mobile Inspection Station	MIS	Microwave Tower	MTWR
Miscellaneous	MISC		

N ...

TERM	ABBREVIATION	TERM	ABBREVIATION
North	N	Number	NO
Natural	NAT	Nominal	NOM
National	NATL	Natural Resources Conservation Board	NRCB
North Bound Lanes)	NBL	Nonreinforced Concrete Pipe	NRCP
Normal Crown	NC	Northwest Territories	NT
North East	NE	National Transportation Agency	NTA
Negative	NEG	Not To Scale	NTS
National Electrical Manufacturers Assoc.	NEMA	North West	NW
Not In Contract	NIC		

O ...

TERM	ABBREVIATION	TERM	ABBREVIATION
Obliterate, Obliterated	OBL	Oil Line	OL
Obsolete	OBS	Out To Out	O to O
On Centre	O/C	Overpass	OP
Outside Diameter	OD	Opposite	OPP
Original Ground	OG	Optimum, Optimal	OPT
Overhead	O/H or OH	Origin, Original	ORIG
Overhead Guy	OH GUY	Organic	ORG



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<b>TERM</b>	<b>ABBREVIATION</b>	<b>TERM</b>	<b>ABBREVIATION</b>
Overhead Guy Pole	OHGP	Orange	ORN
Overhead Guy Structure	OHG STRUCT	Outlet	OUT
Overhaul	OH	Overhaul	OVHL

P ...

<b>TERM</b>	<b>ABBREVIATION</b>	<b>TERM</b>	<b>ABBREVIATION</b>
Percentage	%	Pole	P

Q ...

<b>TERM</b>	<b>ABBREVIATION</b>	<b>TERM</b>	<b>ABBREVIATION</b>
Quarter	QTR	Quantity	QTY

R ...

<b>TERM</b>	<b>ABBREVIATION</b>	<b>TERM</b>	<b>ABBREVIATION</b>
Radius, Rail, River	R	Relocation	RELOC
Remove And Dispose Of, Research And Development	R&D	Replace	REPL
Remove And Salvage	R&S	Required	REQD
Road Allowance	R/A	Residence	RES
Right-Of-Way	R/W	Retaining Wall	RTNGW
Rural Arterial Divided	RAD	Revise, Revision	REV
Reclaimed Asphalt Pavement	RAP	Rural Freeway Divided	RFD
Rural Arterial Undivided	RAU	Range	RGE
Rate Of Change	RC	Rubber Gasket Reinforced Concrete Pipe	RGRCP
Reinforced Concrete Box	RCB	Right Hand Forward	RHF
Reinforced Concrete Box Culvert	RCBC	Rural Local Undivided	RLU
Roller Compacted Concrete	RCC	Railway	RLY
Reclaim	RCLM	Road Mixed	RM
Reinforced Concrete Pipe	RCP	Remove	RMV
Reinforced Concrete Pipe Arch	RCPA	Rounding	RNDG
Rural Collector Undivided	RCU	Runout, Railway Overpass	RO
Road	RD	Rock Quality Designation	RQD
Regional Director	RDIR	Railroad	RR
Radar	RDR	Roof Slab	RS
Roadway	RDWY	Raised	RSD
Roadway Engineering Branch (At&U)	REB	Resurface	RSF

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<b>TERM</b>	<b>ABBREVIATION</b>	<b>TERM</b>	<b>ABBREVIATION</b>
Reinforcing Steel	REBAR	Reinforcing Steel	RST
Recycled Asphalt Pavement	Recycle	Reservoir	RSVR
Re-Established	RE-EST	Right	RT
Rural Expressway Divided	RED	Right Bank	RTBK
Reference	REF	Route	RTE
Reference Line	REF/L	Retain, Retaining	RTN
Reference Point	REF/P	Railway Underpass	RU
Region	REG	Runway	RWY
Reinforced, Reinforcing	REINF		

S ...

<b>TERM</b>	<b>ABBREVIATION</b>	<b>TERM</b>	<b>ABBREVIATION</b>
South, Sand	S	Special Provisions, Spaces, Spacing, Standpipe	SP
Supply & Install	S&I	Structural Plate Corrugated Steel Pipe	SPCSP
Secondary Approach (Road), Sanitary (Sewer)	SA	Structural Plate Corrugated Steel Pipe Arch	SPCSPA
Salvage, Salvaged	SALV	Specifications	SPECS
Streambed	SB	Spike	SPK
South Bound Lanes)	SBL	Supplier	SPLR
Spiral To Curve	SC	Spillway	SPWY
School	SCH	Square	SQ
Side Drain, Storm Drain, South Ditch	SD	Service Road	SR
Storm Drain Grate	SDGRT	Stopping Sight Distance, Subsoil Drain	SSD
Storm Drain Inlet	SDI	Stainless Steel	SST
South East	SE	Spiral To Tangent, Street, Storm (Sewer)	ST
Sulphur Extended Asphalt Concrete Pavement	SEACP	Station	STA
Section, Second	SEC	Stabilized	STAB
Sewer, Sewage	SEW	Standard	STD
Shrinkage Factor	SF	Stiffener	STIF
Subgrade	SG	Stake	STK
Sand And Gravel	S-G	Steel	STL
Single	SGL	Stream, Strength, Structural, Straight	STR
Secondary Highway, Shore	SH	Storm Water	STW

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<b>TERM</b>	<b>ABBREVIATION</b>	<b>TERM</b>	<b>ABBREVIATION</b>
Shoulder	SHLD	Substructure	SUBSTR
Shoreline	SHLN	Superelevation	SUPEREL
Shrinkage	SHR	Superstructure	SUPSTR
Single Seal Coat	Single	Surface	SURF
Skew, Saskatchewan	SK	Survey	SURV
Slope	SLP	Sidewalk, South West	SW
Slotted	SLTD	Smooth Wall Iron Pipe	SWIP
Slurry Seal Coat	Slurry	Smooth Wall Steel Pipe	SWSP
Stone Mound	SM	Symbol, Symmetrical	SYM
Snow Fence (Permanent)	SN	System	SYS

T ...

<b>TERM</b>	<b>ABBREVIATION</b>	<b>TERM</b>	<b>ABBREVIATION</b>
Tonne	t	Timber	TMBR
Tongue & Groove	T&G	Tongue	TNG
Sub-Tangent (Simple Curve), Tee	T	Turnout	TO
Transportation Association Of Canada	TAC	Tolerance	TOL
Tangent	TAN	Topography	TOPO
Top Of Bank (Stream)	TOPBK	Turning Point, Telephone Pole	TP
Temporary Bench Mark	TBM	Taper	TPR
Tangent To Curve	TC	Trench, Tree, Track, Top Of Rail	TR
Trans-Canada Highway	TCH	Trenching	TRG
Technical, Technologist	TECH	Trail	TRL
Telephone	TEL	Transition	TRANS
Telecommunication	TELECOM	Transport, Transportation	TRANSP
Temporary, Temperature	TEMP	Treatment	TREAT
Tentative	TENT	Truck	TRK
Terrace	TER	Tangent To Spiral	TS
Target	TGT	Total Sub-Tan (Spiral And Simple Curve)	TST
Test Hole _	TH	Treated Timber Box Culvert	TTBC
Theoretical	THEOR	Treated Timber Culvert	TTC
Tank	TK	Tailwater	TW
Telegraph	TLG	Township	TWP
		Typical	TYP

U ...

Urban Arterial Divided	UAD	Urban Local Undivided	ULU
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TERM	ABBREVIATION	TERM	ABBREVIATION
Urban Arterial Undivided	UAU	Unadjusted	UNADJ
Urban Collector Divided	UCD	Uncoated	UNCTD
Urban Collector Undivided	UCU	Underpass	UP
Undercut	UCUT	Upstream	U/S
Underdrain	UD	United States Of America	USA
Urban Freeway Divided	UFD	Utilities	UTIL
Underground	UGRD	Universal Transverse Mercator	UTM
Ultimate	ULT		

V ...

TERM	ABBREVIATION	TERM	ABBREVIATION
Design Speed (in km/hr or MPH)	V	Vertical	VERT
Vacant, Vacate, Vacuum	VAC	Village	VIL
Variable	VAR	Vehicle Inspection Station	VIS
Valve Box	VB	Valve	VLV
Vertical Curve	VC	Volume	VOL
Vehicle	VEH	Vertical Point Of Intersection	VPI

W ...

TERM	ABBREVIATION	TERM	ABBREVIATION
West, Waste, Water	W	Wooden Post (Survey)	Wo
West Bound Lanes)	WBL	Water Pump, Wood Post (Fence)	WP
Width	WD	Waterproof	WPF
Watchman Fence	WF	Wood Stave Pipe, Welded Steel Pipe	WSP
White	WHT	Water Table, Watertight, Weight	WT
Witness	WIT	Water Valve	WV
Water Level, Waterline	WL	Waterwell, Wingwall	WW
Water Meter, Wire Mesh	Wm		

X ...

TERM	ABBREVIATION	TERM	ABBREVIATION
Distance North Referenced To Equator (Northing)	X	Cross Road	X-RD
Crossing	X-ING	Cross-Section	X-SEC
Cross Over	X-OVER		

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<b>TERM</b>	<b>ABBREVIATION</b>	<b>TERM</b>	<b>ABBREVIATION</b>
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Y ...

<b>TERM</b>	<b>ABBREVIATION</b>	<b>TERM</b>	<b>ABBREVIATION</b>
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Distance East Referenced To Central Meridian (Fasting)	Y	Year	YR
--	---	------	----

Yard	YD		
------	----	--	--

Z ...

<b>TERM</b>	<b>ABBREVIATION</b>	<b>TERM</b>	<b>ABBREVIATION</b>
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Zone, Elevation Above Mean Sea Level	Z		
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### **5.3 SCHEDULE 1 – MOSIAC PRODUCTION**

Mosaics are to be produced digitally using the appropriate software and scale-corrected to a base map consisting of parcel mapping or as directed by the Department. The base map is to be based on 3-TM, NAD 83 co-ordinate system. The scale and date of the air photography used is to be determined by the Department.

The air photography that is used for scanning can be either print or diapositive format. The photography is to be scanned at a minimum resolution of 600 dpi. Tone matching between air photographs is to be used if it is necessary to use more than one air photograph to obtain adequate coverage for a mosaic sheet. The flight line number, air photograph number, and the date of the air photograph is to be recorded on each mosaic sheet.

The typical standard mosaic sheet format to be used will be supplied by the Department. The mosaic sheets are to be positioned on the base map so that the major intersections are approximately centred within the sheet. Additionally, the mosaic sheets are to be positioned to allow for approximately 300 metres of overlap on each side of each sheet for adjacent sheets. Extra overlap between sheets may be required to compensate for additional length in the profile as the result of horizontal curves.

The design files are to be rotated about the origin point to an angle of 0 degrees. The design files supplied to the Department are to be compatible to 'Microstation SE'.

The scale corrected rasters are to be rotated to an angle of 0 degrees and clipped to fit within the reference points on the mosaic sheet. The raster files supplied to the Department are to be in a format that is compatible with 'Intergraph I/RAS C'.

The design files and clipped rasters are to be plotted at an angle of 0 degrees and at a minimum resolution of 400 dpi. Plotting is to be done on a dimensionally stable mylar that is between 0.03mm and 0.04mm in thickness. The plotting device is to be able to produce a permanent non-smearable plot. The maximum allowable scale error of the plotted mosaic sheet measuring between the corner origin points is 2mm.

The maximum allowable error in the accuracy of the raster to base map within the clipped area is 1mm. The maximum allowable error between adjacent mosaic sheets in the overlapping areas is 1mm.

The Department currently uses several different devices for handling files. These are CD-ROM, Iomega Zip disk (100 meg disks) and 1.44mb diskettes. Files can be supplied to the Department in any of these formats. Alberta Transportation's preference is CD-ROM.

Following is a list of file extension naming conventions that are to be used:

- .OS1, .OS2 for mosaic sheets from number one to nine.
- .010, .011 for mosaic sheets from number ten and greater.  
i.e. HWY2.OS1, HWY2.010
  
- .EXT for raster files. ie H2SHTO1.EXT
- .LGL for base map design files
- .CON for contour design files
- .DET for mapping detail design files
- .PRO for profile design files
- .ALI for alignment design files

#### **5.4 SAMPLES FOR BRIDGE DESIGN DATA DRAWINGS**

- Consultants are encouraged to contact BES and obtain sample set of drawings (if available) for a recently completed project similar to the one they are currently handling.
  - Site Plan
  - Elevation
  - Bridge Section
  - Salvage Bridge Section
  - Berm
  - Test Pile Data
  - Concrete Slope Protection for Stream Crossings
  - Section and Weeping Drain Detail – Concrete Slope Protection
  - Highway Profile
  - Stream Profile
  - Sample DD Drawing – DD 1496 (Bridge)
  - Sample Mosaic Profile – DD 1496A (Bridge)
  - Sample DD Drawing – DD 1498 (Culvert)
  - Sample Mosaic Profile – DD 1498A (Culvert)
  - Sample DD Drawing – DD 1501 (Bridge)
  - Sample Mosaic Profile – DD 1501A (Bridge)
  - Sample DD Drawing – DD 1503 (Canal Bridge)
  - Sample Mosaic Profile – DD 1503A (Canal Bridge)
  - Sample DD Drawing – DD 1600 (Bridge)
  - Sample DD Drawing – DD 1600A (Bridge)
  - Sample Mosaic Profile – DD 1600B (Bridge)