Comparison between Appendix B and SDS

Nomi-nal Scale	Target Scale Range	Entity Set	Feature	Description	SDS Feature (Entity Type)	SDS Entity	SDS Table	SDS Attribute
50 Feet per Inch	20 to 60 Feet per Inch	Trans-portation	Paved Road	Defined by edge of pavement, excluding paved shoulder or gutter. Paved road edge has precedence over paved drive or parking lot, and the edge of pavement should remain unbroken where drives or lots intersect road	road_area	trveh_road_paved_b	trvehrds	paved_d
			Unpaved Road	Dirt or gravel road maintained as a thoroughfare. Unpaved roads are frequently found in rural areas or in suburban areas. Unpaved alleys are depicted as unpaved roads. Define by edge of graded surface or edge of tire wear lines, whichever is appropriate. Unpaved road edge has precedence over unpaved drive or parking lot. Where unpaved road intersects a paved surface, the edge of pavement line has precedence, including slabs or sidewalks. Also use unpaved road for unpaved runways.	road_area	trveh_road_unpaved_b	trvehrds	paved_d
			Railroad	Digitize center line of all rails in use (the line will be patterned to represent two rails 5 ft apart). Show all sidings and spurs (tracks for storage, etc.).	railroad_centerline	trrrd_railroad_dismantled_l	trrrdrcl	
			Abandoned Railroad	Digitize center line of all abandoned railroads with tracks still intact and visible. Do not delineate old railroad grades with no tracks intact (the line will be patterned to represent two rails 5 ft apart).	railroad_centerline	trrrd_railroad_c_line_abandon_l	trrrdrcl	

Comparison between Appendix B and SDS

Nomi-nal Scale	Target Scale Range	Entity Set	Feature	Description	SDS Feature (Entity Type)	SDS Entity	SDS Table	SDS Attribute
			Bridge	Structure erected over obstacle or depression. "Bridge" includes automotive bridges, railroad bridges, foot-bridges, and viaducts. Continue all depictions across bridge, including edge of paved road and guardrail, if the item continues on the bridge. Do not contour bridges.	footbridge_area, road_bridge_area, railroad_bridge_area pedestrian_guardrail_line, railroad_guardrail_line, road_guardrail_line	trped_footbridge_active_b, trveh_other_b, trrrd_railroad_bridge_other_b, trped_pedestrian_guardrail_l, trrrd_rail_guardrail_l, trveh_road_guardrail_l	trvehbrg	
			Runway	Airport pavement used for takeoff, landing, or taxiing of airplanes. "Runway" also includes helipads. Unpaved runways shall be shown with unpaved road symbology.	airfield_surface_site	trair_runway_b	trairsur	sur_use_d
			Retaining Wall (Major)	Fixed structure retaining earth located along thorough-fares. Digitize center line and pattern so ticks are on high side of wall. Major retaining wall has precedence over curb, fence, edge of pavement, and minor retaining wall. Snap contours to retaining walls.	wall_line	imgen_wall_l	imgenwal	wall_type_d
			Trail (Vehicular)	Dirt passageway that is permanent in nature and wider than 6 ft. Trails are not maintained as well as dirt roads; field roads shall be shown as trails. All transpor-tation features have precedence over trails.	pedestrian_trail_centerline	trped_trail_pedestrian_active_l	trpedwlk	d_usetyp
			Curb	Raised edge defining edge of pavement, parking lot islands, etc. Curbs have precedence over edge of pave-ment lines. Retaining walls have precedence over curbs. Contours should run unbroken along curbs (do not snap to each side).	curb_line	trveh_curb_l	trvehcrb	curb_desc
			Concrete Barrier	Short wall erected between traffic lanes. Digitize center line of barrier.	curb_line	trveh_curb_l	trvehcrb	curb_desc

Comparison between Appendix B and SDS

Nomi-nal Scale	Target Scale Range	Entity Set	Feature	Description	SDS Feature (Entity Type)	SDS Entity	SDS Table	SDS Attribute
			Paved Shoulder	Pavement between edge of paved road and edge of total paved surface. Curb and guardrail have precedence over shoulder. Paved shoulder has precedence over sidewalk or slab, and should be broken for paved drives and parking lots. Do not show unpaved shoulders.	road_shoulder_area	trveh_shoulder_paved_b	trvehshd	paved_d
			Paved Drive	Define by edge of pavement. Paved drive has prece-dence over unpaved road or drive, sidewalk, and slab. Paved road and retaining wall have precedence over paved drive. Paved shoulder should join cleanly with paved drive.	vehicle_driveway_area	trveh_driveway_paved_b	trvehdrv	paved_d
			Unpaved Drive	Paved shoulder should not stop for unpaved drive. Edge of pavement of any kind has precedence over unpaved drive. Do not cap end of drive.	vehicle_driveway_area	trveh_driveway_unpaved_b	trvehdrv	paved_d
			Pavement Change	Delineate change of pavement only between macadam and concrete surfaces. Do not show change between old and new asphalt, road repairs, etc.				
			Sidewalk	Show edges of all sidewalks, public or private. Side-walk should not continue across paved drives unless it does so visibly on photography. Paved drive, parking lot, and road have precedence over sidewalk. Sidewalk has precedence over unpaved drive or parking lot and slab. Show steps (if requested) as miscellaneous structures	pedestrian_sidewalk_area	trped_sidewalk_active_b	trvehbrg	
			Path	Visible, permanent dirt trail less than 6 ft wide, used commonly for bikes or pedestrian traffic. Digitize cen-ter line of path. Every element has precedence over trail	pedestrian_trail_centerline	trped_trail_pedestrian_active_l	trpedwlk	status_d

Comparison between Appendix B and SDS

Nomi-nal Scale	Target Scale Range	Entity Set	Feature	Description	SDS Feature (Entity Type)	SDS Entity	SDS Table	SDS Attribute
			Guardrail	Single- or double-sided box beam, corrugated steel, wooden, or cable guide rail. Guardrails are usually located in medians of roads or along road edges near hazards. Digitize center line of rail. For concrete barriers, use ornamental wall symbology.	pedestrian_guardrail_line, railroad_guardrail_line, road_guardrail_line	trped_pedestrian_guardrail_l, trrrd_railroad_guardrail_l, trveh_road_guardrail_l	trvehgrd	
			Paved Parking	Digitize edge of pavement of parking lot and parking lot islands. Six-inch curb and retaining wall have pre-cedence over paved parking. Paved drive should join cleanly with paved parking. Paved parking has prece-dence over unpaved drive or parking	vehicle_parking_area	trveh_parking_lot_paved_b	trvehprk	paved_d
			Unpaved Parking	Do not open paved shoulder for unpaved parking. Do not show islands in unpaved parking lots. Edge of pavement of any type has precedence over unpaved parking. Unpaved drive should join cleanly with unpaved parking.	vehicle_parking_area	trveh_parking_lot_unpaved_b	trvehprk	paved_d
			Parking Bumper (Special Request Only)	Temporary structure, usually concrete, used to delineate parking. Digitize edge of bumper.				
			Paint Stripe (Special Request Only)	Digitize center line of stripes. Digitize outlines of very wide stripes and arrows, etc.			trvehprk	striping_d

Comparison between Appendix B and SDS

Nomi-nal Scale	Target Scale Range	Entity Set	Feature	Description	SDS Feature (Entity Type)	SDS Entity	SDS Table	SDS Attribute
		Struc-tures	Building	Building includes residential or commercial trailers. Include covered porches, permanent overhangs, carport roofs, covered sidewalks, etc., as part of the building. Do not show common roof lines (e.g., between townhomes) or interior roof lines (e.g., dormers). All buildings are to end at the mapping contract boundary. Temporary structures are delineated as miscellaneous structures. Smokestacks are shown as buildings, if freestanding	structure_existing_site	bggen_structure_permanent_b, bggen_structure_semipermanent_b, bggen_structure_temporary_b, bggen_structure_portable_b	bggenstr	
			Ruin or Under Construction Building	Delineate all visible building outlines, including founda-tion slabs or basement remains. Label "RUIN," "UN-DER CONSTRUCTION," or "U/C," whichever is appro-priate. Ruins other than buildings should be outlined as usual but labeled "RUIN" in addition to any required labels. See also "Area Under Construction."	historic_structure_site	crhst_ruins_site_p	crhststr	str_stt_d
			Dam	Barrier across river, creek, or swamp to regulate or obstruct water flow. Visible beaver dams large enough to affect water flow shall be outlined also. Label "DAM."	dam_site	imfdc_dam_earthen_b	imfdcdam	dam_typ_d
			Cemetery	Delineate cemetery boundary only if not bounded by a fence line. Show paved and unpaved drives and build-ings. Do not show headstones or sidewalks. Label "CEMETERY."	cemetery_site	lscnd_cemetery_p	lscndcem	
			Tank	Outline public utility tanks and industrial storage tanks. Show small propane tanks only if used for a business. Label "TANK," or "TANKS," if grouped together.	utilities_fuel_system, utilities_industrial_system, natural_gas_tank_point	utful_tank_b	utfultnk, utinwtnk, utgastnk	tank_st_d
			Silo	Cylindrical receptacle for farm product storage. Outline and label "SILO," or "SILOS," if grouped together	silo_site	immac_silo_site_b	immacsil	

Comparison between Appendix B and SDS

Nomi-nal Scale	Target Scale Range	Entity Set	Feature	Description	SDS Feature (Entity Type)	SDS Entity	SDS Table	SDS Attribute
			Fence	Digitize center lines of all visible fences. Do not differ-entiate between fence and gate. If gate closes across road, pull fence across road. Do not show individual fence posts	fence_line	imgen_fence_l	imgenfnc	
			Residential Retaining Wall (Minor)	Fixed structure retaining earth, not located along a thoroughfare. Digitize center line and pattern so ticks are on high side of wall. Minor retaining wall has prece-dence over curb, fence, edge of pavement, and hydrology. Major retaining wall has precedence over minor retaining wall. Snap contours to retaining walls	wall_line	imgen_wall_l	imgenwal	
			Ornamental Wall	Fixed structure of concrete or brick not used for retention of earth (if constructed of wood, delineate as fence). Digitize center line of wall. Ornamental wall has prece-dence over fence or cemetery. If wall is used solely as a sign (as in front of a business), delineate as a postless sign	wall_line	imgen_wall_l	imgenwal	
			Slab	Any miscellaneous concrete slab, such as a flagpole base or concrete around swimming pool. Also use slab for patio. If slab is imbedded in a paved surface, out-line as change of pavement. Slab has precedence over unpaved road	slab_area	bggen_slab_b	bggenstr	
			Pool	Digitize interior edge of concrete around inground pools, and center line of walls in aboveground pools. Label "POOL." Also use "POOL" for aeration pools in industrial areas. Pool has precedence over slab and sidewalk symbology	swimming_pool_area, industrial_waste_lagoon_area	imath_swimming_pool_a	imathpol, utinwlgn	
			Miscellaneous Post	Pole greater than 6 ft in height, including basketball goals and unidentifiable poles. Digitize center of post	utility_pole_tower_point	utgen_pole_double_p	utgenpol	
			Flagpole	Digitize center of pole. Look for slab at base	general_improvement_feature_point	imgen_flagpole_p	imgenfet	

Comparison between Appendix B and SDS

Nomi-nal Scale	Target Scale Range	Entity Set	Feature	Description	SDS Feature (Entity Type)	SDS Entity	SDS Table	SDS Attribute
			Mail Box	Digitize center of mail box. Do not differentiate be-tween collection boxes and delivery boxes				cmmetcnt, cntctemail
			Telephone Booth	Digitize center of booth or pedestal	communications_telephone_booth_site	coest_telephone_booth_site_a	coestbth	
			Broadcast Antenna	Radio or television tower. Digitize center of tower	communications_antenna_site	codev_dipole_antenna_p	codevant	
			Satellite Dish	Digitize center of commercial and private satellite dishes. Do not show satellite dishes on top of buildings. Broadcast antenna has precedence over satellite dish	communications_antenna_site	codev_parabolic_antenna_p	codevant	ant_ty_d
			Miscellaneous Structure	Minor buildings (air conditioner, tool storage shed, loading dock, deck, structures within substations, etc.). Do not label	shed_site	bggen_shed_p	bggenstr	
			Miscellaneous Feature	Items not classified as minor buildings, such as convey-ors or crane tracks. Label if identifiable	miscellaneous_feature_area	imgen_misc_area_a	imgenmis	feat_name
			Miscellaneous Circle	Unidentifiable circular item, such as gas filler cap. Do not label. Digitize center of item				
			Miscellaneous Square	Unidentifiable square item, such as a corrugated metal valve cover; do not label. Digitize center of item				
			Field Line (Special Request Only)	A change between plowed fields indicating a property line. Often apparent by a difference in crop or type of furrow. Digitize center line of rural field lines only			traflsaf	
			Golf Course	Show outline of golf course only if not bounded by a fence. Do not digitize tees, greens, sand traps, or flags except upon special request. Show all paved and unpaved drives (cart paths) that are permanent in nature. Show all hydrology and natural features. Label "GOLF COURSE" with only enough frequency for identification.	golf_course_area	imath_golf_course_a	imathglf	

Comparison between Appendix B and SDS

Nomi-nal Scale	Target Scale Range	Entity Set	Feature	Description	SDS Feature (Entity Type)	SDS Entity	SDS Table	SDS Attribute
			Athletic Field	Outline field only if not depicted by fence or slab. Show permanent basketball goals, football goal posts, etc., as miscellaneous posts. Do not show tennis court nets or posts for tennis court nets. Do not label. Show paved or unpaved tracks as paved or unpaved drives	athletic_field_area	imath_athletic_field_a	imathare	
			Debris	Scattered and unsorted material covering ground. Digitize outline of area and label "DEBRIS." Do not contour	depth_maintenance_area	lfbth_shoal_area_a	lfbthsub	clrmth_d
			Storage	Stacked material or piles of dirt, sand, gravel, salt, etc. Digitize outline of area and label "STORAGE." Do not contour piled areas or areas stacked so that the ground is not visible. Retaining wall symbology takes precedence over storage outline. Outline junkyards with storage line and label "JUNK-YARD."				
			Quarry	Mining area. No distinction is made between rock (consolidated) material mines and loose (unconsolidated) material mines. Show natural features present within quarry. Digitize quarry outline and label "QUARRY" with only enough frequency to identify feature. Contour inactive quarries only. Place spot elevations at lowest points of active quarries	quarry_site	lsgen_quarry_a	lsgenmin	
			Area Under Construction	Digitize outline of entire area under construction. Show any roads under construction as unpaved roads. Digitize buildings under construction and any feature that has been completed (e.g., curb or completed building). Label "AREA UNDER CONSTRUCTION" or "AREA U/C." Do not show debris or storage within the area outline. Do not contour	construction_site	lsmgt_construction_site_p	lscndago	

Comparison between Appendix B and SDS

Nomi-nal Scale	Target Scale Range	Entity Set	Feature	Description	SDS Feature (Entity Type)	SDS Entity	SDS Table	SDS Attribute
			Pipeline	Cross-country aboveground pipeline used for transportation of liquid, gas, or matter, usually found near industrial areas or public utilities plants. Digitize edge; label "PIPE." Do not show supporting structures. Do not show pipes that do not touch the ground, such as between buildings.	landfill_transport_pipe_line	ehswm_transport_piping_a	ehswmtrp	
			Underground Pipeline (Special Request Only)	Digitize center line of apparent underground utility pipes. Label "U/G PIPE."				
			Levee	Earth wall for fluid retention, usually found along rivers or canals. Digitize outline of levee on planimetric maps only (contours define levees on topographic maps). Label "LEVEE."	levee_area	imfdc_levee_main line_b	imfdiddk	
			Pier	Deck supported by posts extended over water. Digitize edge of pier. Label "PIER."	mooring_facility_site	trhrb_mooring_fac ility_b	trvehshd	
			Riprap	Rocks placed along slopes to lessen erosion. Outline riprap area and label "RIPRAP." Contour general slope of rip-rap with dashed contours to represent non-permanent irregular surface				
			Jetty	Structure, usually earth or concrete, extended from shore to lessen erosion. Delineate any other features such as retaining walls or slabs. Do not label. Place spot elevations at high and low points of jetty	jetty_area	trhrb_breakwater_jetty_b	trvehcrb	
		Natural Features	River	Navigable stream. Digitize shorelines.	surface_water_co urse_area	hysur_water_cour se_permanent_b	hysurdis	
			Lake	A large inland body of usually fresh water. Show man-made reservoirs as lakes. Digitize shoreline. Join lake outline cleanly with river or creek line.	surface_water_bo dy_area	hysur_water_body _permanent_b	hysurwbd	perman_d

Comparison between Appendix B and SDS

Nomi-nal Scale	Target Scale Range	Entity Set	Feature	Description	SDS Feature (Entity Type)	SDS Entity	SDS Table	SDS Attribute
			Pond	A body of standing water much smaller than a lake, often man-made. Digitize shoreline. Join pond outline cleanly with stream. If small pond is attached to a river or lake, include in river or lake outline	surface_water_body_area	hysur_water_body_permanent_a	hysurwbd	
			Swamp	Area of spongy, wet ground, usually harboring vegeta-tion. Digitize any river, lake, pond, or creek outline within the swamp. Digitize outline of swamp and place cells in the swamp area. No distinction is made between a swamp, marsh, or inundated area. Show all vegetation within the swamp area				
			Creek	Nonnavigable stream. Digitize shorelines of streams wider than 5 ft, and digitize center lines of streams narrower than 5 ft. Join creeks cleanly with rivers, lakes, or ponds. Do not pull tree mass lines across double-wide creeks.	surface_water_course_centerline	hysur_water_body_intermittent_a	hysurcrs	perman_d
			Tree Mass	Group of trees too close together to allow individual plotting. Digitize edge of tree mass by following out-line along the outer edge of the tree trunks. Tree mass lines cannot cross over any double-wide linear feature (e.g., vehicular trail, creek over 5 ft wide) or any rail-road line, regardless of canopy spread. Tree mass has precedence over brush	tree_plantation_area	flprz_plantation_area_b	flgencls	
			Tree	Single tree over 8 ft tall (except upon special request). Digitize center of base of tree trunk. No distinction is made between deciduous and coniferous trees. Tree symbol does not reflect extent of tree canopy. Do not plot single trees within a tree mass outline	forest_stand_area	flmgt_forest_stand_a	flmgtlst	

Comparison between Appendix B and SDS

Nomi-nal Scale	Target Scale Range	Entity Set	Feature	Description	SDS Feature (Entity Type)	SDS Entity	SDS Table	SDS Attribute
			Tree Canopy (Special Request Only)	Digitize center of trunk and place canopy to show extent of branches.				
			Bush	Single bush less than 8 ft tall. Digitize center of bush. If many bushes are aligned together, use hedge row symbology. Bush symbol does not reflect width of bush. Do not show single bushes within a brush line. Do not show groups of flowers that may be interspersed with decorative bushes.				
			Brush	Trees under 8 ft tall, shrubs, and tall weeds thickly massed, usually found near forested areas, in unpopulated meadows or lots, or near rivers or creeks. Brush line may also be used for bushes that are too densely grouped to digitize individually. Do not outline decorative bushes or bush rows with brush. Instead, use hedge row and plot lone bushes. Tree mass has precedence over brush. Brush adjacent to a wooded area should close neatly with tree mass outline	forest_management_area	flmgt_forest_manage_federal_b	flgencls	
			Hedge Row	Row of bushes close together, usually neatly maintained. Digitize center line of bush row				
		Drainage Structures	Concrete Headwall	Concrete on the end of a transverse drain or pipe cul-vert. Digitize the center line of thin headwalls, such as those on ditches or under driveways. Digitize outer edge of thicker and larger headwalls. Headwalls have precedence over culvert symbology	storm_sewer_headwall_point	utsto_headwall_p	utfulpip	
			Culvert	Pipe drain, usually located under roads or driveways. Digitize length of pipe from center of each end. Do not show culverts if cement headwalls are present	culvert_centerline	utgen_culvert_centerline_l	utecmcbl	

Comparison between Appendix B and SDS

Nomi-nal Scale	Target Scale Range	Entity Set	Feature	Description	SDS Feature (Entity Type)	SDS Entity	SDS Table	SDS Attribute
			Paved Ditch	Digitize outer edge of paved ditch. Do not show water line inside ditch. Retaining wall has precedence over paved ditch. Paved ditch has precedence over sidewalk or slab. Cap ends or join cleanly with headwalls, if present	storm_sewer_open_drainage_line	utsto_ditch_paved_a	utstooch	
			Unpaved Ditch	Man-made channel for drainage. On planimetric maps, digitize the center line of all apparent ditches. On topographic maps, digitize the center line of ditches wider than 5 ft or if the ditches contain water	storm_sewer_open_drainage_line	utsto_ditch_unpaved_a	utstooch	
			Circular Catch Basin	Round drainage grating. Digitize center of catch basin. Do not label				
			Square Catch Basin	Small rectangular or square drainage grate. Digitize center of catch basin. Do not label				
			Curb Inlet	Drainage opening beneath a curb and interrupting the gutter. Frequently curb inlets have a manhole directly above them. Digitize center of curb inlet and orient symbol along the curb. Do not interrupt curb symbology	storm_sewer_inlet_point	utsto_inlet_curb_a	utstoini	
		Signs and Traffic Control	Single-Leg Sign	Digitize center of signpost. Orient face of sign to corre-spond to its true position, if identifiable	general_improvement_feature_point	imgen_sign_p	imgenfet	
			Double-Leg Sign	Includes multileg signs and overhead signs. Digitize center of each leg. Label overhead signs "O/H"				
			Traffic Signal Pole	Digitize center of post. Traffic signal symbology has precedence over light pole symbology, if post has a dual purpose. Do not show signals suspended over roads	general_improvement_feature_point	imgen_sign_p	imgenfet	
			Billboard	Digitize center of each leg. Label "BB"				
			Railroad Signal Pole	Lights along rural tracks to guide trains or warning lights near track intersections with roads. Digitize cen-ter of post	general_improvement_feature_point	imgen_sign_p	imgenfet	

Comparison between Appendix B and SDS

Nomi-nal Scale	Target Scale Range	Entity Set	Feature	Description	SDS Feature (Entity Type)	SDS Entity	SDS Table	SDS Attribute
		Utilities	Power Pole	Utility pole from which power, telephone, or cable television lines are suspended. Digitize center of pole. Power pole has precedence over light pole, if the pole has a dual purpose. Traffic signal pole has precedence over power pole	utility_pole_tower_point	utgen_pole_double_p	utinwgcb	
			Light Pole	Pole supporting a street light. If the pole has power lines also, digitize as a power pole. Digitize the center of the light pole. Do not differentiate between street lights and parking lot lights	exterior_lighting_point	utexl_light_pole_mount_a	utextlit	
			Yard Light	Very short lights, usually located around sidewalks at businesses or residences. Digitize center of light	exterior_lighting_point	utexl_light_walkway_p	utecmcbl	
			Transmission Tower	Large structure for supporting power lines across long distances. Digitize base of tower	utility_pole_tower_point	utgen_pole_p	utelisec	
			Substation	High-voltage units grouped together, usually within a fence. Digitize outline, if not enclosed by fence. Show large structures within substations as miscellaneous structures. Substation outline has precedence over slab, unpaved drive, and trail. Do not show individual poles, pipes, or transformers within substation boundary. Label "SUB-STATION"	electrical_substation_site	utele_substation_b	utecmcbl	
			Runway Light	Digitize center of visible runway and taxiway lights. Do not show reflectors	airfiel_light_point	trafl_light_runway_a	trafllit	
			Electric Box	Digitize center of structure				
			Fire Hydrant	Digitize center of element	water_fire_connection_point	utwat_fire_hydrant_a	utwatfir	
			Manhole	A hole through which one can enter a sewer, conduit, etc. Manholes may be located on paved or unpaved surfaces. Digitize center of manhole	storm_sewer_junction_point	utsto_manhole_a	utstomh	
		. Contours						

Comparison between Appendix B and SDS

Nomi-nal Scale	Target Scale Range	Entity Set	Feature	Description	SDS Feature (Entity Type)	SDS Entity	SDS Table	SDS Attribute
			Index Contour	Every fifth contour shall be annotated and shall have a thicker line weight than intermediate contours. Do not break index contours for spot elevations unless absolutely necessary for legibility. Do not drop index contours. If the contours are absolutely too close to pull indexes through, such as on a cliff or in a quarry, every fifth index is to be pulled through and the others are to drop cleanly	elevation_contour _line	lfhyp_elev_contour_index_l	lfbthsra	
			Hidden Index Contour	Indexes that are obstructed by dense vegetation shall be delineated as hidden index contours. The guidelines for index contours apply to hidden index contours also				
			Depressed Index Contour	See b above. Follow the same guidelines as for index contours				
			Hidden Depressed Index Contour	Depression index obstructed by dense vegetation. Fol-low the same guidelines as for index contours				
			Index Contour Label	Label shall be placed on line of index contour in such a manner that the bottom of the number corresponds to the ground that is lower than the index elevation. Intermediates may be broken for index labels if necessary				
			Intermediate Contour	Four intermediates exist between two index contours. Do not show any more or any less than four. Do not drop intermediate contours unless the indexes are less than 1/4 in. apart at map scale. Intermediates should not run through spot elevations. Intermediates can be broken for other text as well	elevation_contour _line	lfhyp_depr_contour_intrmediate_l	lfhypspt	
			Hidden Intermediate Contour	Intermediate contour that is obstructed by dense vegetation. Follow the same guidelines as for intermediate contours				

Comparison between Appendix B and SDS

Nomi-nal Scale	Target Scale Range	Entity Set	Feature	Description	SDS Feature (Entity Type)	SDS Entity	SDS Table	SDS Attribute
			Depressed Intermediate Contour	See b above. Follow the same guidelines as for intermediate contours				
			Hidden Depressed Intermediate Contour	Depressed intermediate contour obstructed by dense vegetation. Follow the same guidelines as for intermediate contours				
			Spot Elevation	Supplemental elevation used in conjunction with contour information. Spot elevations should be placed at the following points:	spot_elevation_point	lfhyp_elevation_ground_spot_a	lfhypspt	
				Indexes, intermediates, and tree mass patterns are the only features to be broken for spot elevation text. Spot elevations are to be rotated to be parallel to the bottom of the sheets unless otherwise requested.				
			Water Elevation	Elevation of surface of water. Place at or near the center of the water body itself or the water body shown on the model. Do not show water elevations on single-wide creeks or ditches.	piezometer_point	hysub_piezometer_p	hysubgwt	
		Manuscript Data	Contour Limit Line	Show line only if project has adjacent areas of planimetric and topographic detail. Contours should end exactly upon this line. Also show a contour limit line between adjacent areas where the contour interval changes				
			Match Line	Place line at edge of graphic detail to allow for a butt match to adjacent sheets. Place only on edges where matching sheets exist				
			Model Limit Line	Digitize edge; pull all detail cleanly to line. Do not plot model limit lines on final plots				

Comparison between Appendix B and SDS

Nominal Scale	Target Scale Range	Entity Set	Feature	Description	SDS Feature (Entity Type)	SDS Entity	SDS Table	SDS Attribute
			Horizontal Control Point	Place at coordinates and label. Show only if horizontal control is separate from vertical control	control_point	gdsrv_control_point_2d_a	gdsrvmnt	dim_typ_d
			Vertical Control Point	Place at its true position during stereocompilation and label. Show only if horizontal control is separate from vertical control	control_point	gdsrv_control_point_1d_a	gdsrvmnt	dim_typ_d
			Control Point	Point used for both horizontal and vertical control. Place at coordinates and label.	control_point	gdsrv_control_point_3d_a	gdsrvmnt	dim_typ_d
			Control Point Annotation	List point number. North and east coordinate values are to be shown on horizontal points; elevations are to be shown on vertical points. Use commas				
			Grid Tick	Place grid tick at grid line intersections (every 5 in. at map scale). Label outside of graphic detail such that each grid is labeled once				
			Grid Lines (Special Request Only)	Place lines every 5 in. at map scale at even grid coordi-nates. End cleanly at match lines or neat lines		cmgrd_coordinate_grid_area_a	cmgrdcgl	
			Grid Annotation	Place as appropriate. Use commas				
			Standard Border	Center border around graphic detail. List project, client name, scale, contour interval, map type, sheet number and index of all sheets, month of photography, and grid north				