

## Auto CAD Standards

All drawings shall be delivered 100% AutoCAD DWG format and 100% editable, but at the consultant's discretion, may be submitted in an un-editable media like CD-ROM. Both Digital and Hard Copy documents shall match. Record drawing items must match their true location.

### Survey

Topographic surveys shall be delivered in NAD 83 Idaho State Plane west zone coordinates modified to the Ada County Local GIS Coordinates (Horizontal), NAVD 88 (vertical). Both Horizontal and Vertical information must be accounted for.

### File Names

Project Name\_WAT\_SEW\_PRELIM.dwg for Preliminary or Pre Plat

Project Name\_WAT\_SEW\_CONST.dwg for Final Plat or Approved Construction

Project Name\_WAT\_SEW\_REC.dwg for Record Drawings

Layer Names	Color	Description
BOUNDARY_SUB	GREY	Subdivision boundary line
FLOODPLAIN	BLUE	Floodplain outline
FLOODWAY	CYAN	Floodway outline
IRR_GRAVITY	BROWN	Gravity irrigation line
IRR_GRAVITY_MANHOLE	BROWN	Gravity irrigation manhole
IRR_GRAVITY_SERVICE	BROWN	Gravity irrigation services
IRR_GRAVITY_VALVES	BROWN	Gravity irrigation valves
IRR_ORAVITY_PUMPS	BROWN	Gravity irrigation pumps
IRR_GRAVITY_BOX	BROWN	Gravity irrigation box
IRR_PRESSURE	MAGENTA	Pressure irrigation line
IRR_PRESSURE_MANHOLE	MAGENTA	Pressure irrigation manhole
IRR_PRESSURE_SERVICE	MAGENTA	Pressure irrigation services
IRR_PRESSURE_VALVES	MAGENTA	Pressure irrigation valves
IRR_PRESSURE_PUMPS	MAGENTA	Pressure irrigation bumps
IRR_PRESSURE_BOX	MAGENTA	Pressure irrigation box
RECORD_LOTS	GREY	Lot lines of parcel
SEWER_AIRVAC	GREEN	Air Vacuum System
SEWER_(pipe size)	GREEN	Sewer line (separate layer for each size)
SEWER_CASING	GREEN	Sewer casing
CLEANOUT	GREEN	Sewer cleanouts
SEWER_LIFT_STATION	GREY	Lift Station
SEWER_MANHOLE	GREEN	Sewer manhole
SEWER_PRESS_(pipe size)	GREEN	Pressure sewer line (separate layer for each size)
SEWER_SERVICES	GREEN	Sewer service line
ST_LIGHT	WHITE	Streetlight
STORM_DRAIN	CYAN	Storm drain line Storm
STORM_MANHOLE	CYAN	drain manhole Storm
STORM_CATCHBASIN	CYAN	drain catch basin Storm
STORM_SAND_TRAP	CYAN	drain sand trap Storm
STORM_GREASE_TRAP	CYAN	drain grease trnp Storm
STORM_SEEPAGE_BEDS	CYAN	drain seepage beds Storm
STORM_PONDS	CYAN	drain ponds
TEXT_LOTS	WHITE	Lot and block number
TEXT_STREETNAMES	WHITE	Street name
TEXT_SUBDIVISIONS	CYAN	Subdivision name
WATER_AIRVAC	BLUE	Air Vacuum System
WATER_(pipe size)	BLUE	Water line (separate layer for each size)
WATER_BLOWOFF	BLUE	Water blow off
WATER_BOOSTER	BLUE	Booster
WATER_CASING	BLUE	Water casing
WATER_FIRE_LINE	CYAN	Fire line
WATER_HYDRANT	CYAN	Fire hydrant
WATER_HYDRANT_LINES	CYAN	Fire hydrant lines
WATER_METER	BLUE	Water meter
WATER_PIV	MAGENTA	Pressure irrigation valve
WATER_PRV	BLUE	Pressure reducing valve
WATER_SERVICES	BLUE	Water service line
WATER_VALVES	BLUE	Water valve
WATER_WELLS	GREY	Well house

## **Item Formatting**

Use thinner line weights and lighter colors for existing items. Lines must connect and if part of a polygon snapped closed. Use blocks provided in the template drawing for points. Please refer to sample drawing. In AutoCAD terminology, a closed line is a polygon.

## **Appendix A: Company Templates**

Company templates were added to the Public Works AutoCAD standard to allow companies that already have a design standard in place to continue to use that standard, provided that the necessary information is present and can be extracted. If your company does not have a standard in place the Public Works Department has created a template that follows this guideline to help your company comply with the standards more easily. We encourage you to take advantage of these resources.

The Meridian Public Works Department will make every attempt to use your company's existing standard. However there are several requirements that must be met and may require a change in your company's template. These are outlined below:

- File Names must define project and status in planning process
- Items of different types/size must be discernable from each other
  - Sewer lines broken out by size.
- Survey Projection must conform to location of project
  - Correct UTM Zone for Ada County
- Lines must be snapped and closed and solid
  - No text breaking up the line
  - This is for water and sewer modeling purposes

Company standard must be compatible with the Public Works GIS Processing. The above guidelines will help your standard complete the standards approval process more easily. Remember your company standard must be pre-approved before drawings will be accepted. If your company has not completed the pre-approval process all drawings must comply with the Meridian Public Works AutoCAD standards in order for drawings to be accepted.