Field Name:	SB_ID	SB_Uniq_ID	J_Number	Proj_Name	Proj_Purp	SBLoc_Desc	Req_By	Start_Date	Compl_Date	Drill_Name
Alias Name:	SB ID	Unique SB ID	J-Number	Proj Name	Proj Purpose	SB Location	Requested By	Start Date	Completion Date	Driller Name

Blue columns indicate the columns that will be filled in by COR PW staff. Users external to the City of Rochester (COR) should leave these blank.

Drill_Org	Drill_Meth	Surv_MethH	Surv_MethV	Datum_H	Datum_V	GR_Elev	Total_Dpth	Final_Elev
Driller Org	Drilling Method	Horiz Survey Method	Vert Survey Method	Horiz Datum	Vert Datum	GR Elev	Total Depth	Final Elev

GW_Obs	Northing	Easting	Lat_DD	Long_DD	Notes	Notes2
GW Observed?	Northing	Easting	Lat DD	Long DD	Notes	Other Notes

Field Name:	SB_ID	SB_Uniq_ID	J_Number	Proj_Name	Proj_Purp	SBLoc_Desc	Req_By	Start_Date	Compl_Date	Drill_Name
Alias Name:	SB ID	Unique SB ID	J-Number	Proj Name	Proj Purpose	SB Location	Requested By	Start Date	Completion Date	Driller Name
Description	Soil Boring ID. Best practice is to be consistent with the naming format. For example, if you name the boring "ST1" on the log, do not name it "ST-1" or "1" or the drawings, reports, etc. Set up a naming convention prior to going in the field and convey the need for consistency.	Unique identifier to the boring within the "master" boring dataset. This ID is comprised of the J-Number, Year, and boring ID. The format is as follows: JXXXX-YY-SB. An example of this is J7297-15-01. This ID will be generated by the GIS staff during the process of importing the new borings into the master inventory layer.	J-Number	Project Name*	Brief description of the project purpose.	Short description of boring location.	Name of Project manager that requested the borings	Date the boring was started.	Date the boring was completed. If completion date is same as start date this can remain blank and GIS staff will populate it.	Name of the individual drilling the boring. If more than one, use primary.
Field Type	Text	Text	Text (Leave "J" off)	Text	Text	Text	Text	Date (MM/DD/YYYY)	Date (MM/DD/YYYY)	Text
Requirement	**Mandatory**	**Mandatory**	As Applicable	**Mandatory***	Optional	Optional	Optional	**Mandatory**	**Mandatory**	**Mandatory**
Review Comments	Recorded in the field	**Add by GIS staff after field collection is complete. Populated by COR PW GIS staff.**	Recorded in the field or after the collection by field staff.	Recorded in the field or after the collection by field staff.	**Add by GIS staff after field collection is complete. Populated by COR PW GIS staff.**	Recorded in the field. This is particularly important if there is interference when surveying with GPS (for example, tree coverage or buildings that prevent good accuracy).	**Add by COR staff after field collection is complete.**	Recorded in the field	Recorded in the field	Recorded in the field

The fields listed in the columns above have been identified by COR RPW staff as information that will be recorded when soil borings are collected internally, by COR staff or when soil borings are collected by consultants working for the COR. Some of these fields will be populated in the office, by GIS staff, after the field collection has been completed.

Blue columns indicate the columns that will be filled in by GIS staff. Users external to the City of Rochester (COR) should leave these blank.

*The official project name is taken from the COR PW's Master Project Database. External users of this template should still populate this field so that we can use the name to find the official name.

**Units should be recorded in feet.

***Coordinates should be collected either in lat/long (with datums identified) or Olmsted County Coordinates. GIS staff will convert to Olmsted County coordinates, if necessary, prior to placing in the "master" GIS dataset.

Drill_Org	Drill_Meth	Surv_MethH	Surv_MethV	Datum_H	Datum_V	GR_Elev	Total_Dpth	Final_Elev
Driller Org	**Drilling Method**	**Horiz Survey Method**	**Vert Survey Method**	**Horiz Datum**	**Vert Datum**	**GR Elev**	**Total Depth**	**Final Elev**
Name of the Primary Organization/Company drilling the borings. If more than one, name primary organization.	Method used to drill the boring.	Method used to survey the **horizontal** coordinates (for example: GPS, mobile device (tablet/phone), estimated).	Method used to survey the ground elevations.	**Horizontal** Datum	**Vertical** Datum	Ground Elevation**	Soil Boring Total Depth**	Final/Termination Elevation. Can be back-calculated using ground elevation and boring depth**.
Text	Text	Text	Text	Text	Text	Number (to the tenth, at minimum)	Number (to the tenth, at minimum)	Number (to the tenth, at minimum)
Mandatory	**Mandatory**	**Mandatory**	**Mandatory**	**Mandatory**	**Mandatory**	**Mandatory**	**Mandatory**	Optional (can calculated from ground elevation and total depth)
Recorded in the field	Recorded in the field	Recorded in the field	Recorded in the field	NAD83 HARN Olmsted County Coordinates, US Feet	Need to confirm if we are requesting NGVD29 or NAVD88 (there was not agreement in the meeting regarding what our current requirements are. According to the MnDOT Geotechnical Manual it appears that NAVD88 should be used).	MnDOT Geotechnical Manual states that MSL (mean sea level) reference elevations (NAVD88) taken from known benchmarks accurate to +/-0.1 ft should be collected.		

GW_Obs	Northing	Easting	Lat_DD	Long_DD	Notes
GW Observed?	**Northing**	**Easting**	**Lat DD**	**Long DD**	**Notes**
Groundwater Observed? (Yes/No)	Northing (in County Coordinates)	Easting (in County Coordinates)	Latitude (in decimal degrees)	Longitude (in decimal degrees)	Notes specific to the boring. For example, if there was refusal or if this location was planned but drilling could not be completed because utilities were encountered.
Text	Number	Number	Number	Number	Text
Mandatory	**Mandatory*** **	**Mandatory*** **	**Mandatory*** **	**Mandatory*** **	Optional
As applicable	NAD83 HARN Olmsted County Coordinates, US Feet	NAD83 HARN Olmsted County Coordinates, US Feet	**If using a mobile device (phone/tablet) the coordinates may be collected in WGS84 and converted to Olmsted County by GIS.**	**If using a mobile device (phone/tablet) the coordinates may be collected in WGS84 and converted to Olmsted County by GIS.**	If boring was abandoned or other unusual conditions were encountered list this information.

Req_By	Surv_MethH
Calebaugh, George	Handheld GPS
Crawford, Matt	Survey Grade GPS
Dombrovski, Dillon	Mobile Device (Phone, tablet)
Erickson, Troy	Mobile Device with Receiver
Freese, Richard	Total Station
Jenkinson, Brett	Digitized
Jostes, Dave	Estimate
Kelm, Russ	Other
Nelson, Doug	Unknown
Wellner, John	
Other	
Unknown	

These are guides for consistency but are not enforced. Additional items c

HSA = Hollow Stem Auger
Continuous Flight Auger is solid

Surv_MethV	Drill_Org
Handheld GPS	AET
Survey Grade GPS	Braun Intertec
Total Station	Chosen Valley Testing
Estimate from Contours/LiDAR	City of Rochester
Other	Terracon
Unknown	Stantec
	WSB
	Other
	Unknown

can be added as encountered.

Drill_Method	Datum_H	Datum_V	GW_Obs
Continuous Flight Auger	NAD83	NGVD29	Yes
3.25" Hollow Stem Auger	NAD83 HARN	NAVD88	No
Other	WGS84	Unknown	Unknown
Unknown	Unknown		