Feature Class Error Fields			
Error Check Name	**Error Check Description**	**Priority Level**	**Field Type/Related Error**
Null_UID	Universal ID field is null or populated with a generic ID (ex. PR1548-c) ***NOTES:*** *- Checks UniversalID field for all feature classes within the dataset;* ***errors reported in all feature classes*** *-Agency should correct their proprietary ID to be populated for updates to be accepted in sanitary trace network import*	**High**	ERROR
Duplicate_UID	Duplicate Universal ID ***NOTES:*** *- Checks for duplicate Universal IDs within and between each feature class;* ***errors reported in all feature classes*** *-Agency should correct their proprietary ID to be unique for updates to be accepted in sanitary trace network import*	**High**	ERROR
Topology	Topology Errors ***NOTES:*** *- Checks for any sanitary network topology errors including bad geometry, midspan connectivity without split pipe, overlapping features* *-List of possible errors: https://pro.arcgis.com/en/pro-app/latest/help/data/trace-network/error-features.htm* *-Errors may prevent the ability to trace featrues in sanitary trace network and may not be condusive to other applications* *- **errors reported in all feature classes***	**High**	ERROR
Disconnected	Disconnected junctions ***NOTES:*** **-** *Checks for pipes and junctions that are disconnected from the comprehsensive sanitary network due to a pipe endpoint not connecting to a junction, a junction not connected to a pipe, or an incorrect flow direction of the pipe* *-Errors found by performing an upstream trace from each sanitary treatment plant junction* *-line errors are reported in a separate feature class (see Other QC Feature Classes)* *-Disconnections and flow inaccuracies will prevent accurate traces in the sanitary trace network and may not be condusive to other applications* *-**errors reported in all feature classes***	**High**	ERROR
AttributeError - ***currently not being reported until more data is collected to report a more managable fallout list***	Reports missing or possible incorrect attributes pertaining to elevations and pipe diameters ***NOTES:*** *-Checks for empty pipe diameters in gravity main and pressurized mains* *-Checks for empty rim and invert (bottom) elevations* *-Checks to see if elevations correspond with pipe directions assuming the flow will follow the GIS pipe direction geometry* *-Descriptions provided in AEDescription field (see below)* *-**reported in the Manhole, Gravity Main, and Pressurized Main feature classes** ;*	**High**	ERROR
Ownership_NotInCity	Ownership field value does not match muncipality in which the feature is contained ***NOTES:*** *- Checks Ownership / Municipal boundary mismatch for all feature classes within the dataset,including features outside of any municipal boundary; excludes private features;* ***errors reported in all feature classes***	**Medium**	ERROR
DomainCodeCheck	Reports values in field not found in assigned domain *-Correct value to a valid domain code or contact CCGISC to discuss adding a code to the domain* *- **errors reported in all feature classes***	**Low**	ERROR
OnUCSD_WrongOwnership	Junction points not owned by UCSD on UCSD gravity and pressurized main lines ***NOTES:*** *- Checks ownership of junction points on UCSD owned lines - point features connected to a UCSD line assumed to be owned by UCSD* *- Error occurs when junction point features not owned by UCSD are located on UCSD owned gravity and pressured mains;* ***errors reported in CleanOut, Fitting, Network Structure,System Valve, and Manhole feature classes***	**Low**	ERROR
WrongSubtype	Interceptor manholes not located on an Interceptor line OR Collector manholes not located on a Collector line OR pressurized manhole not located on a Pressurized line ***NOTES:*** *- Checks for manholes connected to an interceptor line that are not subtyped as interceptor manhole* *- Checks for manholes connected to a collector line that are not subtyped as collector manhole* *-Checks for manholes connected a pressurized line that are not subtyped as a pressurized manhole* *- Considers Manhole and Gravity Main layers only;* ***errors reported in Manhole feature class***	**Low**	ERROR

Supplemental Information Related to Reported Errors			
Error Check Name	**Error Check Description**	**Priority Level**	**Field Type/Related Error**
NAME	Reports the NAME of the entity in which the feature is contained when **Ownership_NotInCity** reports a mismatch ***NOTES:*** *- **Errors reported for all feature classes*** *- Private features are excluded from the error check*		INFORMATION / Ownership_NotInCity
Error_description	Topology error description ***NOTES:*** **-** List of possible errors: https://pro.arcgis.com/en/pro-app/latest/help/data/trace-network/error-features.htm Most Common: *-Midspan connectivity not allowed- junction located on pipe that is not split at intersection* *-Stacked point features- overlapping junctions*		DESCRIPTION / Toplogy
Duplicated_With	Reports the feature class the Univeral ID is duplicated in		INFORMATION /Duplicate_UID
CheckDomainInField	Reports the field that contains a value not found in the assigned domain codes		INFORMATION /DomainCodeCheck
AEDescription -**currently not being reported until more data is collected to report a more managable fallout list**	Attribute error Description ***NOTES:*** - Queries used to report elevation and diameter inconsistencies references in the AttributeErrorDescriptions table provided in each entities file geodatabase; Table includes the feature class the query is performed on		DESCRIPTION / AttributeError

NOTES:
The error geodatabase ONLY contains feature classes with identified errors.
The feature classes within the error goedatabase ONLY contains error check fields for identified errors
An "X" in an errror check field denotes an error in the record.
A record may have an error in one or more error check fields.

Other QC Feature Classes			
Error Check Name	**Error Check Description**	**Priority Level**	**Field Type/Related Error**
GravityMainsPossibleDuplication	Reports Location and Ownership of possible duplicated gravity mains ***NOTES:*** *- Reports Gravity Main segments within a 10' buffer of each other*	**Low**	ERROR
#Line#_disconnected	A merged line representaion of disconnected pipes found in the above disconnected error check *-disconnects reported on gravity, lateral lines, and pressurized mains*	**High**	ERROR
PossibleMissingJunction	Reports locations where a system junction was created in the trace network due to a pipe intersection or pipe split where a valid junction does not exist *-errors reported on gravity main lines*	**Low**	ERROR