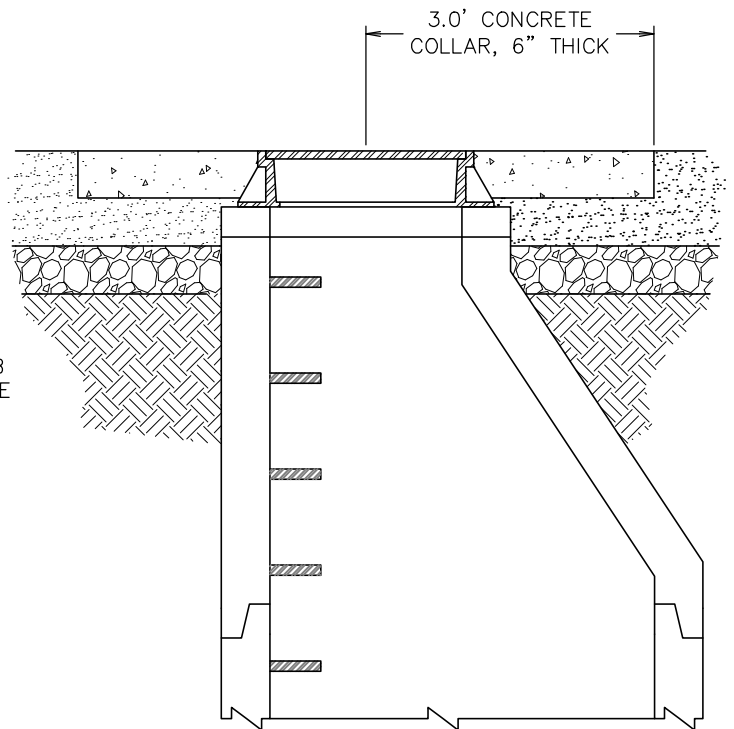
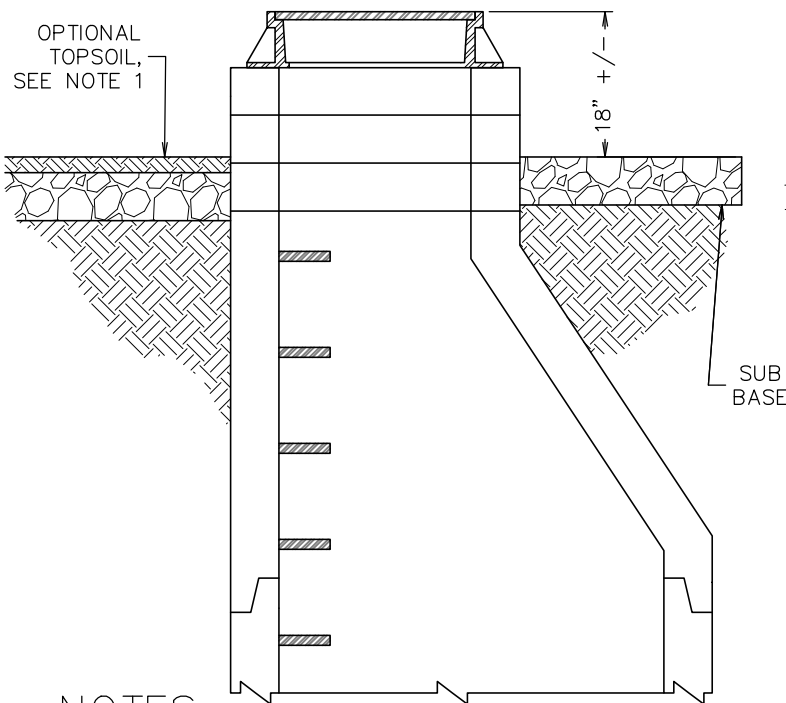


MANHOLES OUTSIDE OF VEHICULAR TRAFFIC AREAS

MANHOLES IN VEHICULAR TRAFFIC AREAS



NOTES:

1. TWO (2") INCHES OF TOPSOIL MAY BE ALLOWED UPON OWNER REQUEST
2. CONCRETE COLLARS ARE REQUIRED FOR MANHOLES INSTALLED IN AREAS SUBJECT TO VEHICULAR TRAFFIC IF FINAL PAVING AROUND THE MANHOLE WILL OCCUR MORE THAN 3 MONTHS AFTER THE INSTALLATION OF THE MANHOLE. CONCRETE COLLAR SHALL BE FLUSH WITH EDGE OF MANHOLE AND SURROUNDING SURFACE.
3. CARSONITE MARKER SHALL BE SET ADJACENT TO MANHOLE AT EDGE OF UTILITY ACCESS ROAD.
4. CARSONITE MARKER SHALL CONTAIN THE APPROPRIATE UTILITY SPECIFIC LABEL AND COLOR AS PER CITY ENGINEER.
5. MINIMUM OF SIX (6") INCHES OF BASE COMPACTED TO 95% PROCTOR DENSITY FOR ASPHALT AND CONCRETE SURFACES.
  - a) MINIMUM OF SIX (6") INCHES OF SUB BASE COMPACTED TO 95% PROCTOR DENSITY
6. MINIMUM OF SIX (6") INCHES OF SUB BASE COMPACTED TO 95% PROCTOR DENSITY FOR OTHER SURFACE TREATMENTS.
  - a) EXTEND ROAD BASE OUT TO EDGES OF EASEMENT AROUND MANHOLES.

December 2021



Engineering Division

**Utility Access Road**

*Ross Mollenhauer*

Approved By Utility  
Project Manager –  
Ross Mollenhauer, PE

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**STD - 514**