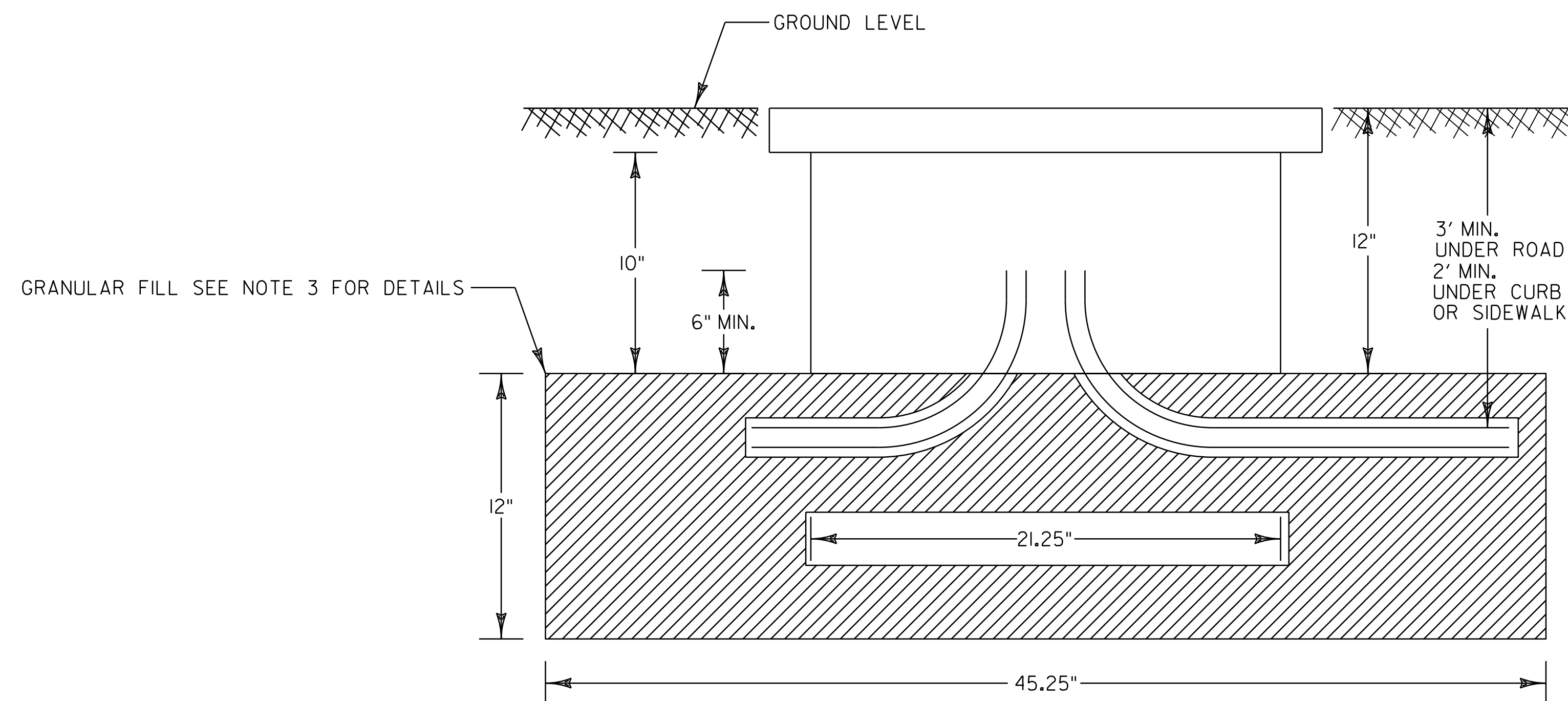


**PLAN VIEW
NOT TO SCALE**



**ELEVATION VIEW
NOT TO SCALE**

NOTES:

1. JUNCTION BOX SHALL BE CONSTRUCTED WITH PRECAST MONOLITHIC POLYMER CONCRETE.
2. CONDUIT SIZE SHALL BE AS SHOWN ON THE PLANS.
3. EXCAVATION FOR JUNCTION BOX SHALL INCLUDE EXCAVATION OF AN AREA ONE FOOT OUTSIDE AND EXTENDING ONE FOOT BELOW THE FINISH GRADE OF THE BOTTOM OF THE JUNCTION BOX. ONE FOOT OF GRANULAR MATERIAL THAT MEETS THE REQUIREMENTS OF SUBSECTION 703.04, SHALL BE PLACED IN THE EXCAVATED AREA AND PROPERLY COMPACTED PRIOR TO INSTALLATION. COMPACTION SHALL MEET REQUIREMENTS OF SUBSECTION 301.06. WHERE NECESSARY AND AT THE DISCRETION OF THE ENGINEER, A DRAINAGE PIPE (MINIMUM 3" PERFORATED PVC) SHALL BE PROVIDED FROM THE JUNCTION BOX TO THE NEAREST APPROPRIATE OUTLET.
4. A SUFFICIENT COVER GASKET SHALL BE PROVIDED TO REDUCE THE INFLOW OF FLUIDS.
5. WHEN INSTALLING ON SLOPES, JUNCTION BOXES SHALL BE TIPPED TO MATCH THE EXISTING SLOPE UP TO A 1 ON 4 SLOPE. EXCAVATED MATERIAL SHALL BE USED TO SHAPE AROUND THE LOW SIDE OF THE BOX TO THE SATISFACTION OF THE ENGINEER AND SHALL BE MOW-ABLE. IF SUFFICIENT MATERIAL IS NOT AVAILABLE, MATERIAL MEETING THE REQUIREMENTS OF EARTH BORROW (SUBSECTION 703.02) SHALL BE USED.
6. ALL COVERS SHALL BE FLUSH WITH THE BOXES AND FRAMES.
7. ALL JUNCTION BOX COVERS SHALL BE SKID RESISTANT.
8. ALL COVERS SHALL HAVE THE LOGO PUNCHED, FORMED OR STAMPED INTO A FLAT RECTANGULAR AREA. MINIMUM LETTER HEIGHT IS 1/2". MINIMUM DEPTH IS 1/16". THE LOGO ON THE COVERS SHALL READ TRAFFIC SIGNAL UNLESS OTHERWISE NOTED ON THE PLANS.
9. DIMENSIONS SHOWN ARE MINIMUM SIZE REQUIRED. EQUIVALENT JUNCTION BOX OF LARGER DIMENSIONS MAY BE USED UNDER DISCRETION OF THE RESIDENT ENGINEER.
10. ALL JUNCTION BOXES SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 678.
11. ALL JUNCTION BOXES SHALL MEET THE ANSI/SCTE 77-2007, TIER 22 SPECIFICATION FOR UNDERGROUND ENCLOSURE INTEGRITY.
12. ALL CONDUIT SHALL BE FILLED WITH STEEL WOOL AND DUCT SEALED.

REV.	DATE	DESCRIPTION
0	DEC. 21, 2022	ORIGINAL APPROVAL
1	FEB. 23, 2023	REVISED GRANULAR FILL DEPTH FROM 10" TO 12" TO MATCH NOTE 3.
OTHER DETAILS REQUIRED:		
DETAILS APPROVED FOR USE BY HIGHWAY SAFETY & DESIGN		

HEAVY DUTY JUNCTION BOXES



**HIGHWAY SAFETY
& DESIGN DETAIL
HSD-678.03**