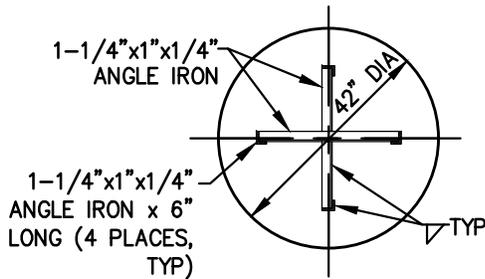
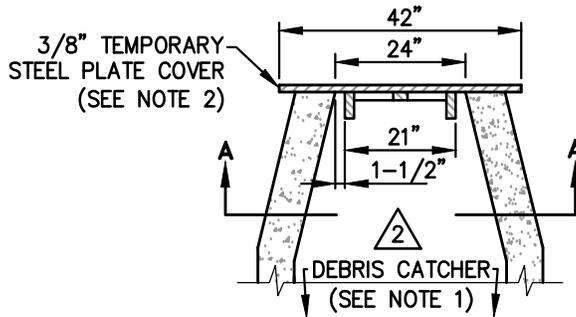


MANHOLE ADJUSTMENT TYPICAL SECTION
NTS



SECTION A-A
NTS



TEMPORARY COVER TYPICAL SECTION
NTS



NOTES:

1. INSTALL DEBRIS CATCHER PRIOR TO REMOVAL, ADJUSTMENT, OR INSTALLATION OF FRAME, COVER AND GRADE RINGS TO PREVENT DEBRIS FROM ENTERING SEWER SYSTEM. DEBRIS CATCHER SHALL REMAIN IN PLACE UNTIL FINAL INSTALLATION OF FRAME, COVER AND GRADE RINGS IS COMPLETE AND APPROVED BY THE CARSON CITY ENGINEERING DIVISION.
2. PLACE TEMPORARY STEEL PLATE ON TOP OF MANHOLE OPENING AFTER CONE INSTALLATION WHEN INSTALLING A NEW MANHOLE, OR AFTER REMOVAL OF FRAME, COVER AND GRADE RINGS WHEN ADJUSTING AN EXISTING MANHOLE FRAME AND COVER TO FINISH GRADE. TEMPORARY STEEL PLATE SHALL BE REMOVED PRIOR TO INSTALLATION OF FINAL FRAME, COVER AND GRADE RINGS.
3. CONCRETE SHALL CONFORM TO THE SSPWC SECTION 202 AND 337.10. PORTLAND CEMENT CONCRETE (PCC) SHALL HAVE THE FOLLOWING CHARACTERISTICS: 4000 PSI MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS, MINIMUM 6 SACKS OF CEMENT PER CUBIC YARD WITH A MAXIMUM WATER/CEMENT RATIO OF 0.45, AIR ENTRAINMENT 6% ±1.5%, SLUMP AT 1 TO 4 INCHES. REBAR SHALL BE USED ONLY WHEN THE MANHOLE IS LOCATED OUTSIDE PAVED AREAS.
4. THE CONCRETE COLLAR SHALL BE LEFT 2-1/2 INCHES TO 3 INCHES BELOW FINISHED ASPHALT SURFACE. APPLY AN APPROVED TACK COAT (CONFORMING TO SSPWC SECTION 318) AND FILL VOID BETWEEN ADJACENT PAVEMENT AND FRAME WITH TYPE 3 PG 64-22 PAVING (CONFORMING TO SSPWC SECTION 320). APPLY FOG SEAL WITH TYPE SS-1 EMULSIFIED ASPHALT (CONFORMING TO SSPWC SECTION 340) TO THE ASPHALT SURFACE. ALL CUTS IN PAVING SHALL BE STRAIGHT AND EVEN. EXCEPTION: WHEN STRUCTURE NOT LOCATED IN ASPHALT PAVEMENT OR LOCATED IN AN UNPAVED AREA, EXTEND CONCRETE TO FINISH GRADE.
5. INSTALL NEW FRAME AND COVER UNLESS OTHERWISE SHOWN ON THE PLANS OR SPECIAL CONDITIONS. FRAME AND COVER SHALL BE SET FLUSH WITH FINISH GRADE UNLESS OTHERWISE NOTED.
6. DISTANCE FROM COVER TO CONE SHALL BE 12 INCHES MINIMUM AND 24 INCHES MAXIMUM FOR NEW MANHOLE INSTALLATIONS, OR 24 INCHES MAXIMUM FOR ADJUSTMENTS EXISTING FRAME AND COVER.
7. WHEN LOCATED IN NDOT RIGHT-OF-WAY, CONCRETE COLLAR SHALL CONFORM TO NDOT STANDARD PLAN DS-49 AND STANDARD SPECIFICATION 609.



NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
1	RISER DEPTH	3/22	MANHOLE FRAME AND COVER ADJUSTMENT	CARSON CITY
2	ALL NOTES & TYP SECTIONS	4/25		DRAWING NO. C-2.1.5
	APPROVED BY: <i>DA</i>	4/25		DATE
				APR 2025