GENERAL NOTES:
1. THIS SHEET IS NOT 24" X 36" USE GRAPHIC SCALE ACCORDINGLY.
2. COMPONENTS TO MEET ASTM C478, STANDARD SPECIFICATION FOR REINFORCED CONCRETE MANHOLE SECTIONS.
3. CONCRETE 1" = 1000 psi @28 DAYS.

CONCRETE CATCH BASIN DETAIL

NOTES FOR DESIGNER:
1. WHEN EDITING DETAIL TO SUIT PROJECT, ADD JOB SPECIFIC REQUIREMENTS AND DELETE ONLY THOSE PORTIONS THAT DO NOT APPLY. TO SEEK A VARIANCE FROM APPLICABLE REQUIREMENTS, CONTACT THE ESM CIVIL POC.
2. REFER TO THE FOLLOWING FOR ADDITIONAL REQUIREMENTS:
   2.1. LANL ENGINEERING MANUAL, CIVIL CHAPTER.
   2.2. LANL MASTER SPECIFICATION 33 4000, STORM DRAINAGE UTILITIES.
3. REVIEW MANHOLE SIZE FOR STRUCTURAL INTEGRITY REGARDING PIPE SIZE OPENINGS.

PLAN VIEW

ALTERNATE GRATING DETAIL

CONCRETE CATCH BASIN DETAIL

NOTES FOR DESIGNER:
1. WHEN EDITING DETAIL TO SUIT PROJECT, ADD JOB SPECIFIC REQUIREMENTS AND DELETE ONLY THOSE PORTIONS THAT DO NOT APPLY. TO SEEK A VARIANCE FROM APPLICABLE REQUIREMENTS, CONTACT THE ESM CIVIL POC.
2. REFER TO THE FOLLOWING FOR ADDITIONAL REQUIREMENTS:
   2.1. LANL ENGINEERING MANUAL, CIVIL CHAPTER.
   2.2. LANL MASTER SPECIFICATION 33 4000, STORM DRAINAGE UTILITIES.
3. REVIEW MANHOLE SIZE FOR STRUCTURAL INTEGRITY REGARDING PIPE SIZE OPENINGS.