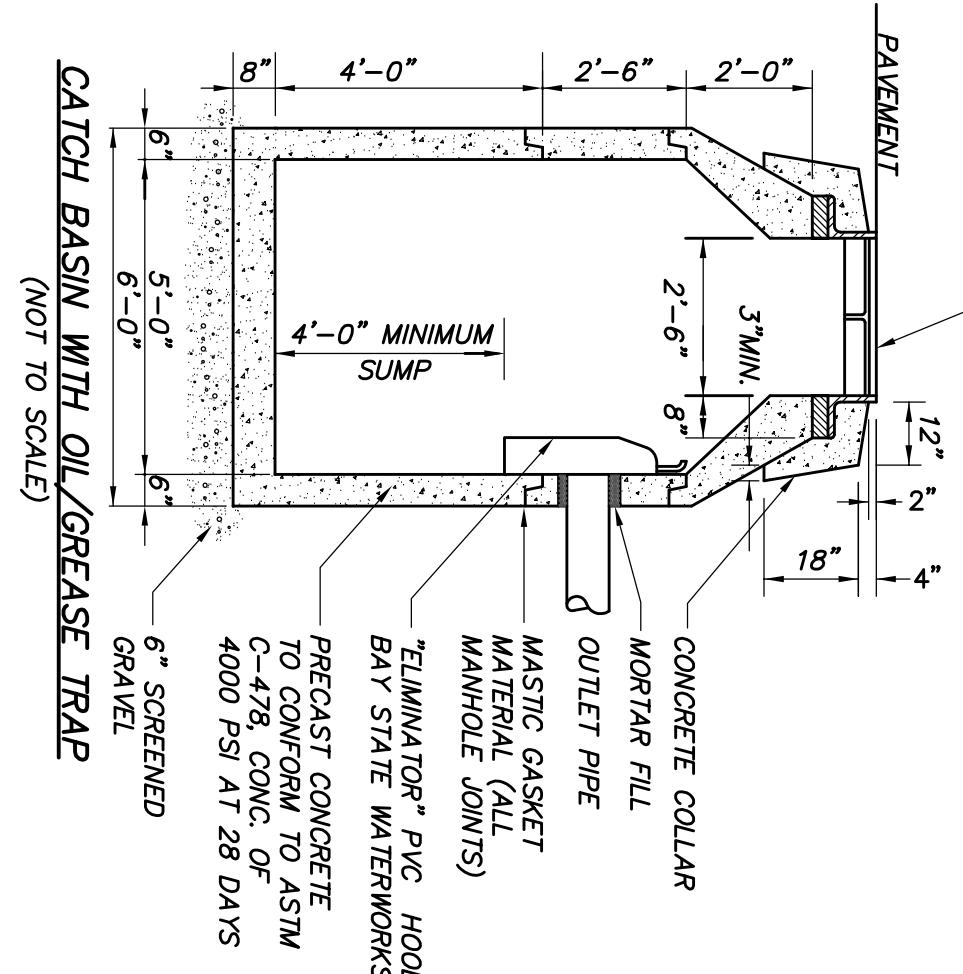
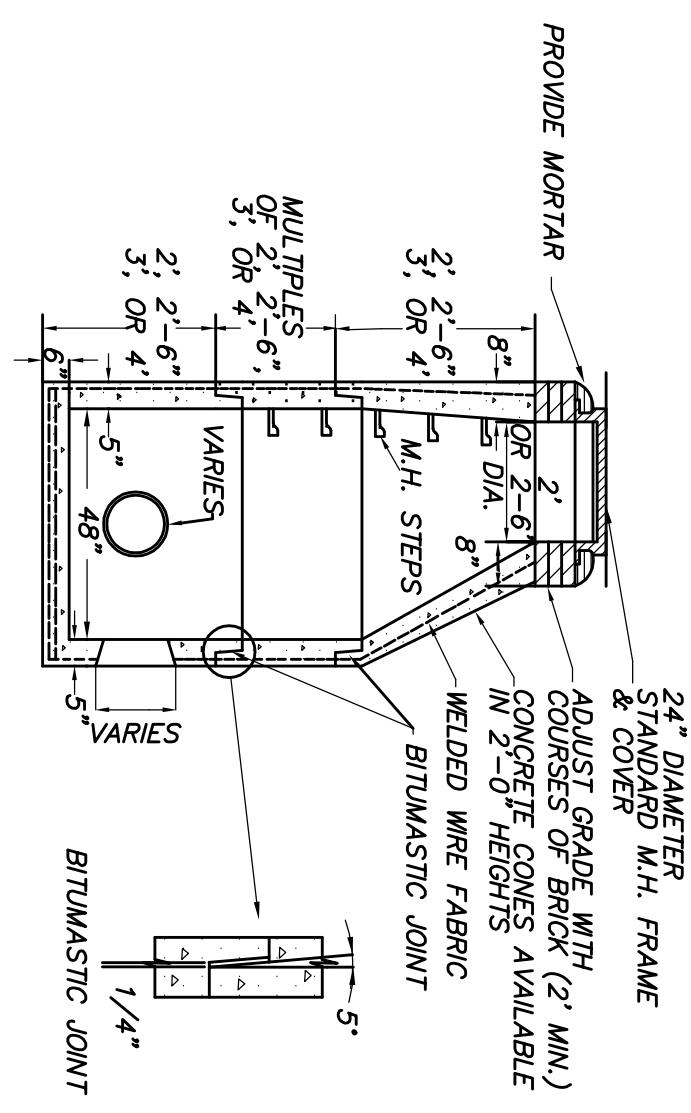


SPECIFICATIONS:
CONCRETE STRENGTH 28 DAYS
REINFORCED STEEL CONFORMS TO ASTM A165-79
MANHOLE DESIGN SPECIFICATIONS
CONFORM ASTM C457-B4
ONE POUR MONOLITHIC BASE

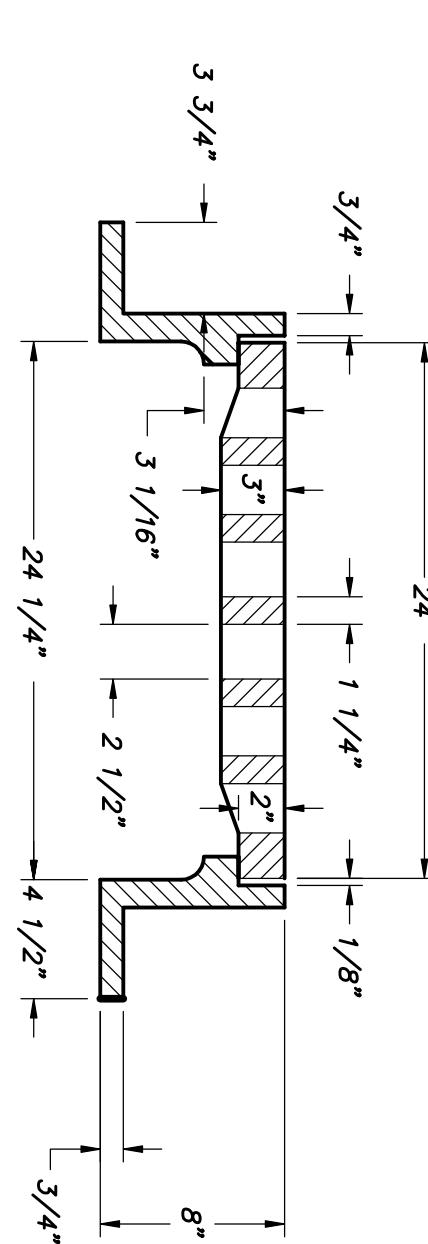


DRAIN MANHOLE DETAIL
(NOT TO SCALE)

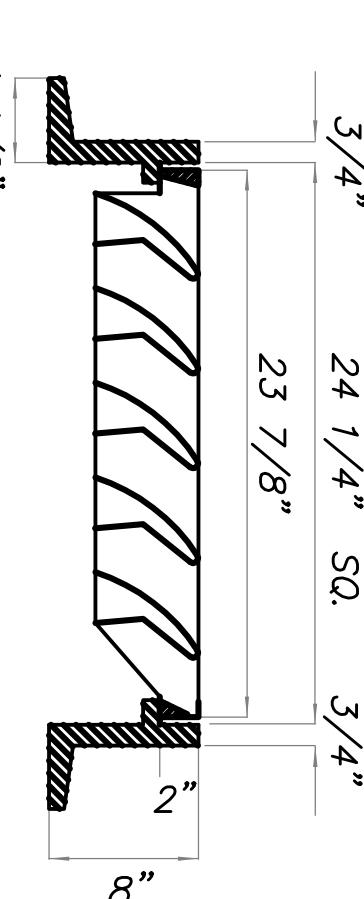


STORM DRAIN TRENCH DETAIL
(NOT TO SCALE)

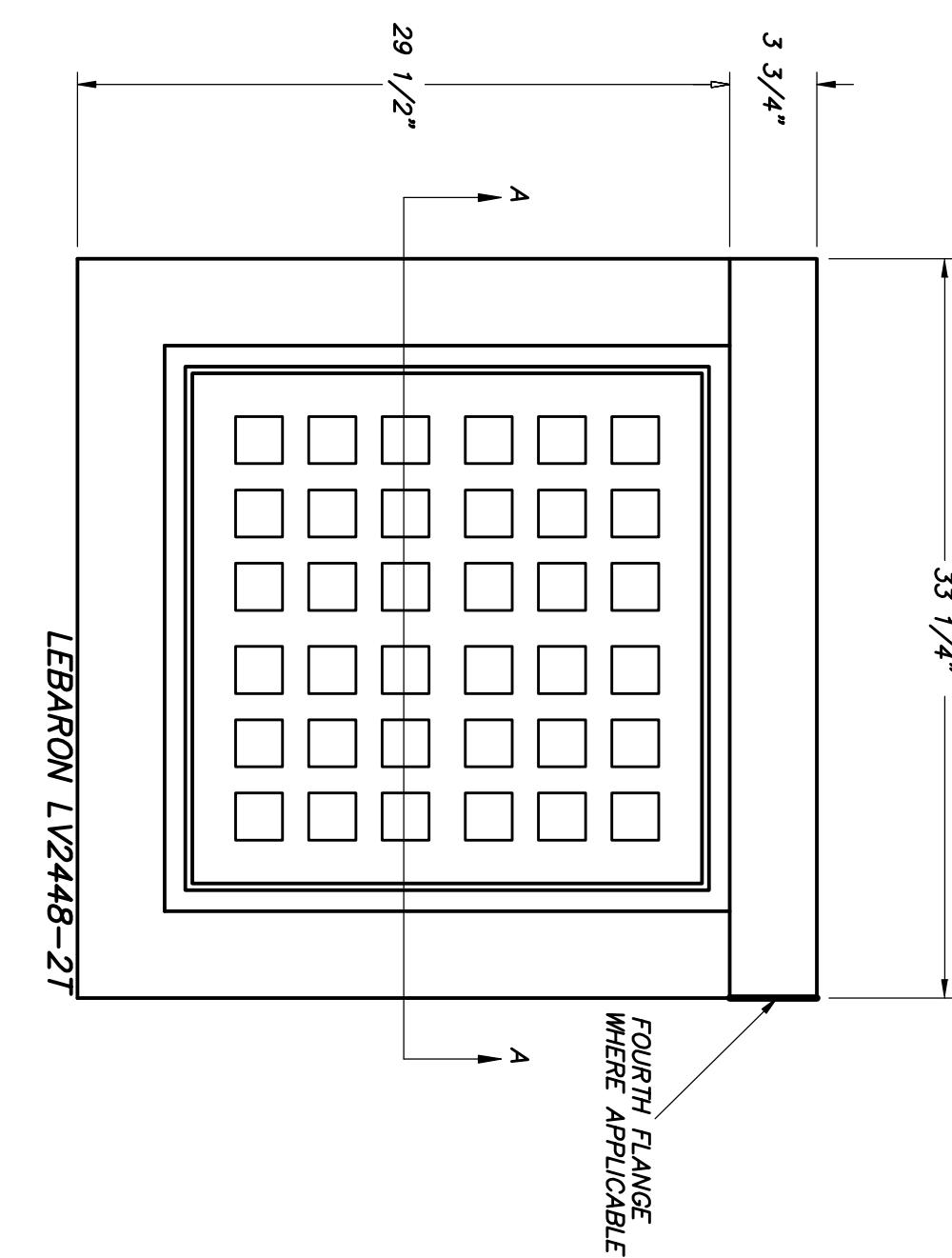
SQUARE CATCH BASIN FRAME AND GRATE
(NOT TO SCALE)



SECTION A-A



CASCADE CATCH BASIN FRAME AND GRATE
(NOT TO SCALE)



KEY FOR GRATE
FLANGE
GUTTER LINE

NATIVE MATERIALS

POROUS PAVEMENT SECTION

NOTES
1. NO COMPACTED FILLS SHOULD BE USED ON NATIVE MATERIAL.
2. NO SURFACE GRANULAR GROUTS OR 5% GROUTS.
3. PAVING SHOULD NOT BE USED ON NATIVE MATERIAL AREAS.
4. MINIMIZE SOIL USE DURING WINTER MONTHS.
5. NO WINTER SANDING IS ALLOWED.

6. KEEP LANDSCAPED AREAS WELL MAINTAINED TO PREVENT SOIL FROM BEING TRANSPORTED INTO THE PAVEMENT.

7. CLEAN THE SURFACE USING VACUUM SURFACE TO MAKE SURE IT DRAINS PROPERLY AFTER STORMS.

8. REGULARLY MONITOR THE PAVING SURFACE TO MAKE SURE IT DRAINS PROPERLY AFTER STORMS.

9. NEVER RESEAL OR REPAVE WITH IMPERMEABLE MATERIALS.

10. INSPECT THE SURFACE ANNUALLY FOR DETERIORATION OR SPALLING.

POROUS PAVING PARKING CONSTRUCTED ON FILL-FILL TO CONSIST OF CRUSHED STONE ONLY-SEE RESERVOIR COURSE AND PLACED ON NATURAL OCCURRING SOILS AFTER TOP AND SUB SOILS ARE REMOVED. THESE SOILS SHALL BE TERRACED VARYING IN DEPTH FROM A LEVEL 3'-0" TERRACED BY NATURAL ANGLE OF REPOSE. NO

PLACE JUTE NETTING TO STABILIZE SWALE UNTIL A PERMANENT VEGETATED COVER IS ESTABLISHED.

GRASS LINED SWALE
(NOT TO SCALE)

SITE PLAN REVIEW AND SPECIAL PERMIT
FOR MAJOR COMMERCIAL USE
LITTLETON PLANNING BOARD

DETAIL PLAN 1
245 FOSTER STREET

LITTLETON, MASSACHUSETTS



#	DATE	REVISION COMMENT
1	5/24/18	DRAINAGE REVISIONS DATE: 5/15/18

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STONE RIPRAP DETAIL
(NOT TO SCALE)

DATE _____

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