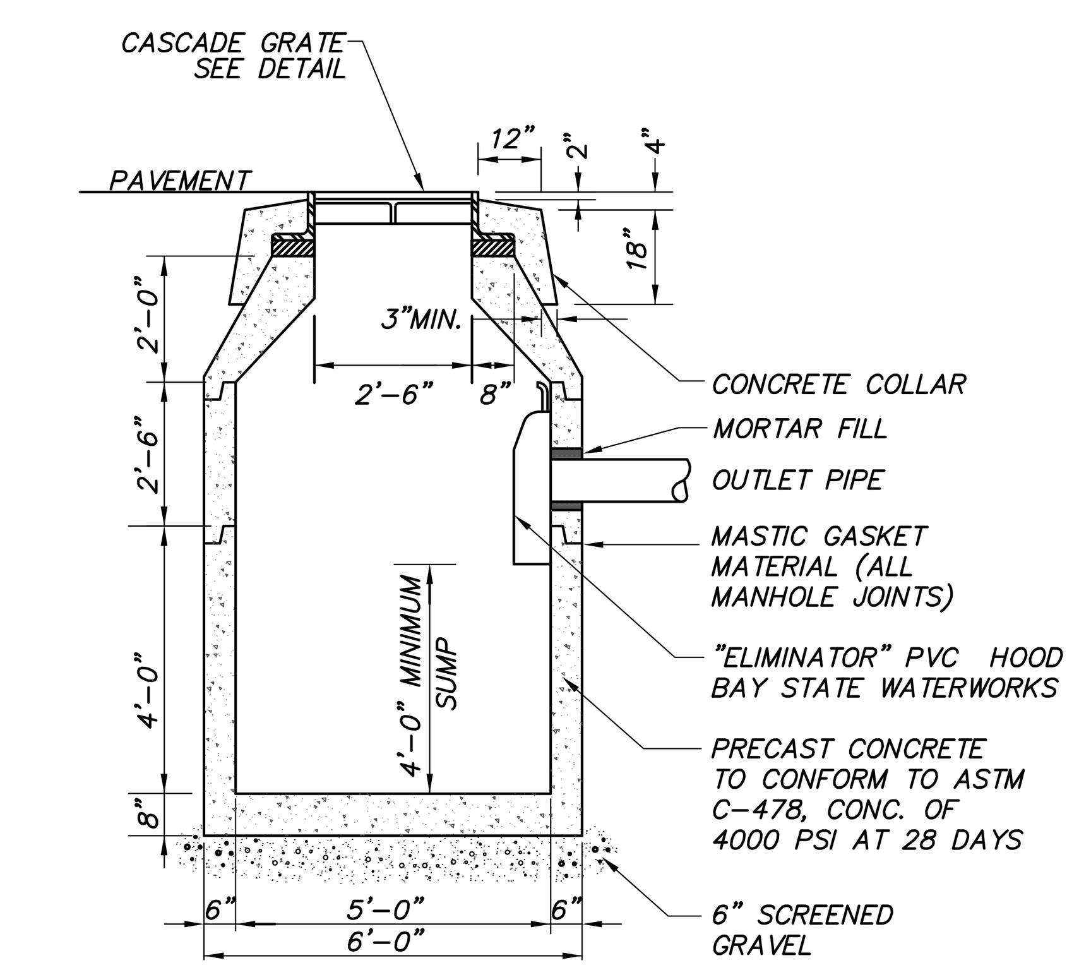
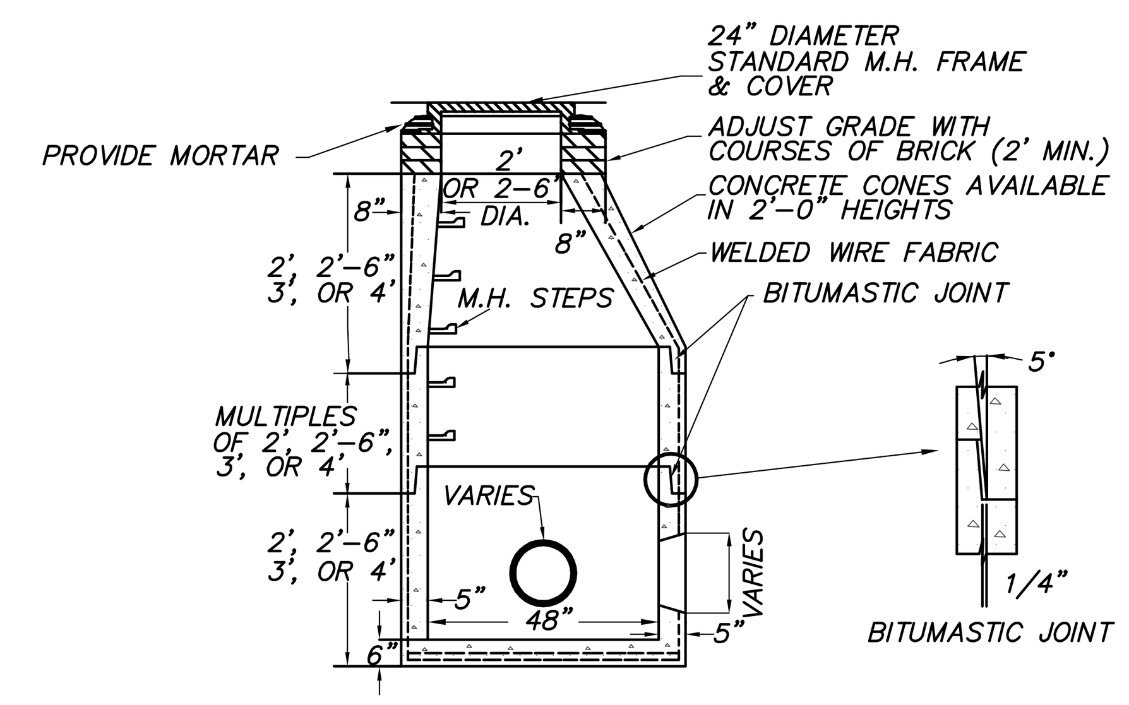
SPECIFICATIONS:
CONCRETE STRENGTH
4000 P.S.I. AT 28 DAYS
REINFORCING STEEL CONFORMS TO ASTM A185-79
MANHOLE DESIGN SPECIFICATIONS
CONFORM TO ASTM C 487-84
ONE POUR MONOLITHIC BASE

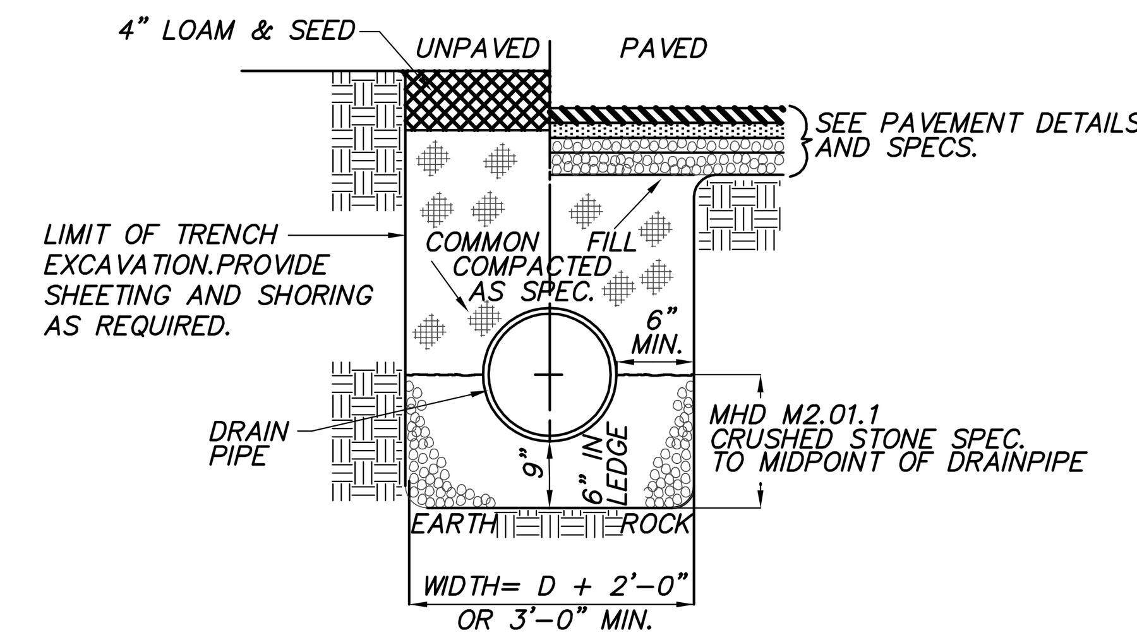


CATCH BASIN WITH OIL/GREASE TRAP
(NOT TO SCALE)

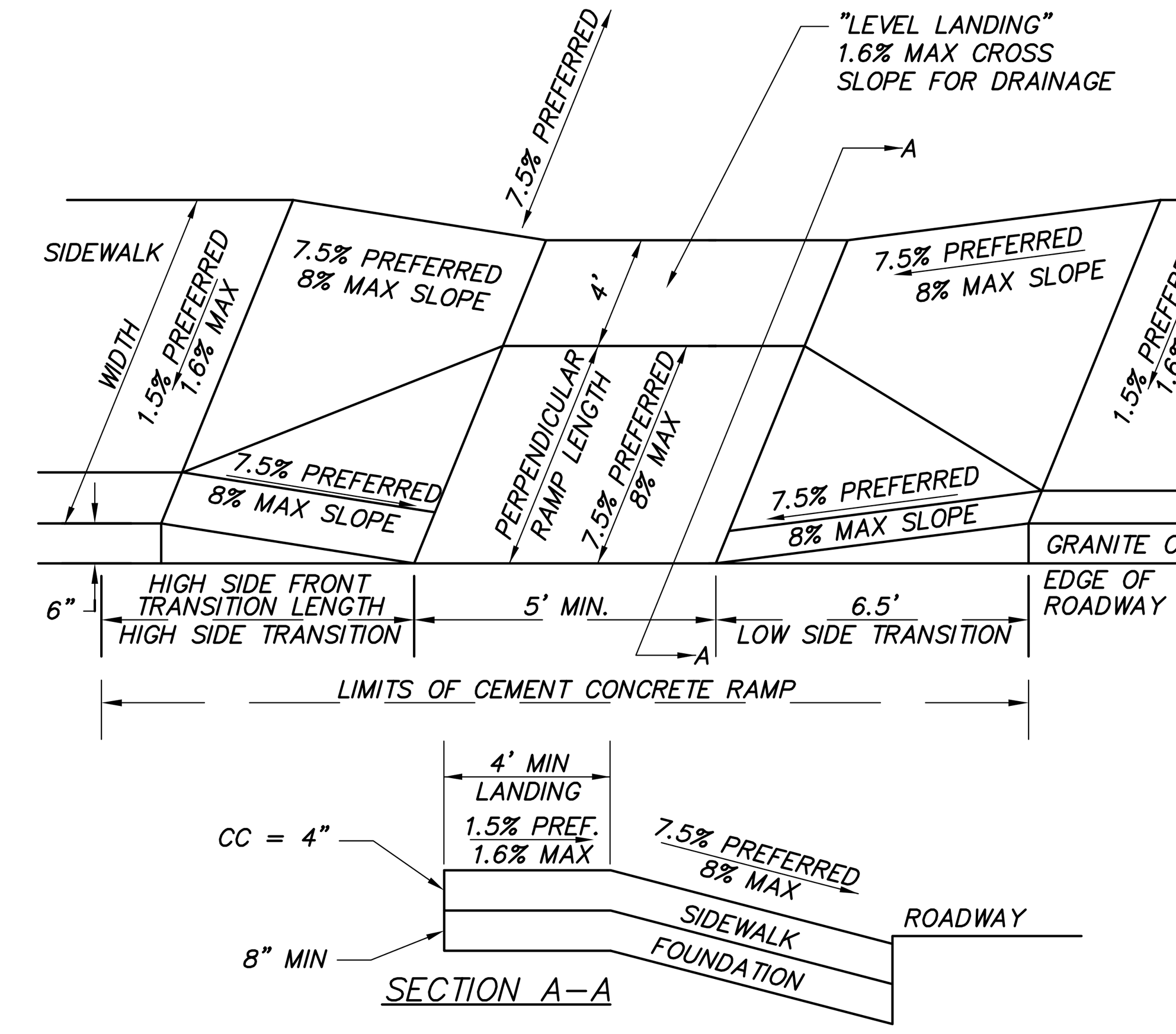
NOTES:
1. MANHOLE DESIGN TO LATEST ASTM C478.
2. REINFORCING STEEL CONFORMS TO LATEST ASTM A 185.
3. CONCRETE COMPRESSIVE STRENGTH – 4,000 PSI @ 28 DAYS.
4. ONE POUR MONOLITHIC BASE.
5. WHEN SPECIFIED, MANHOLES WATERPROOF COATED.
6. STEPS – STEEL REINFORCED COPOLYMER POLYPROPYLENE PLASTICS (PS2-PFSL M.A. INDUSTRIES, INC.) CONFORMS TO LATEST ASTM C478 PARA-12.
7. BITUMASTIC BUTYL RUBBER FOR JOINTS CONFORM TO LATEST ASTM C443 AND FED SS-S-201A SPEC.



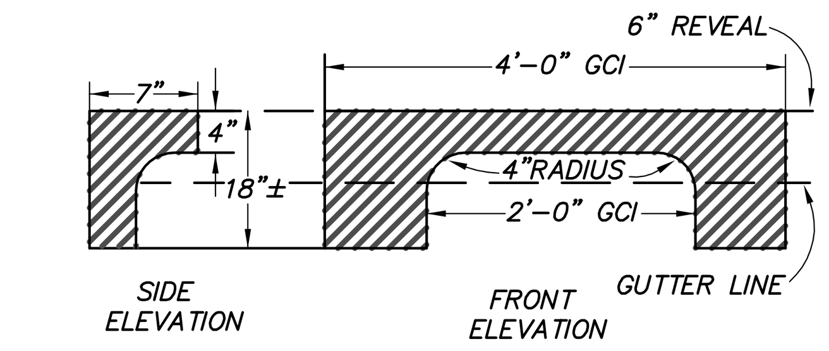
DRAIN MANHOLE DETAIL
(NOT TO SCALE)



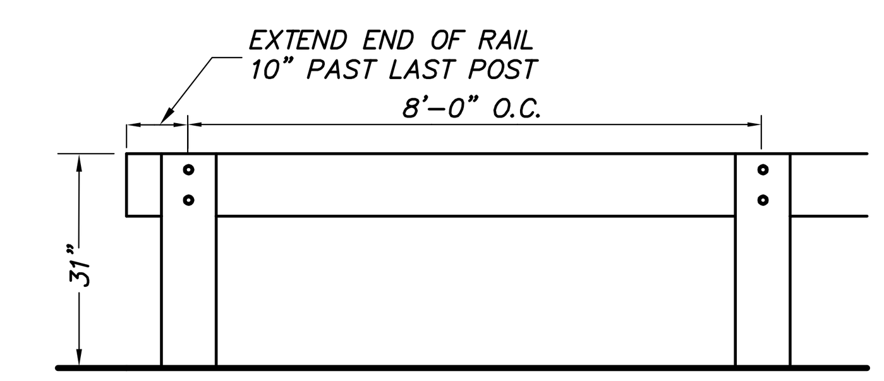
STORM DRAIN TRENCH DETAIL
(NOT TO SCALE)



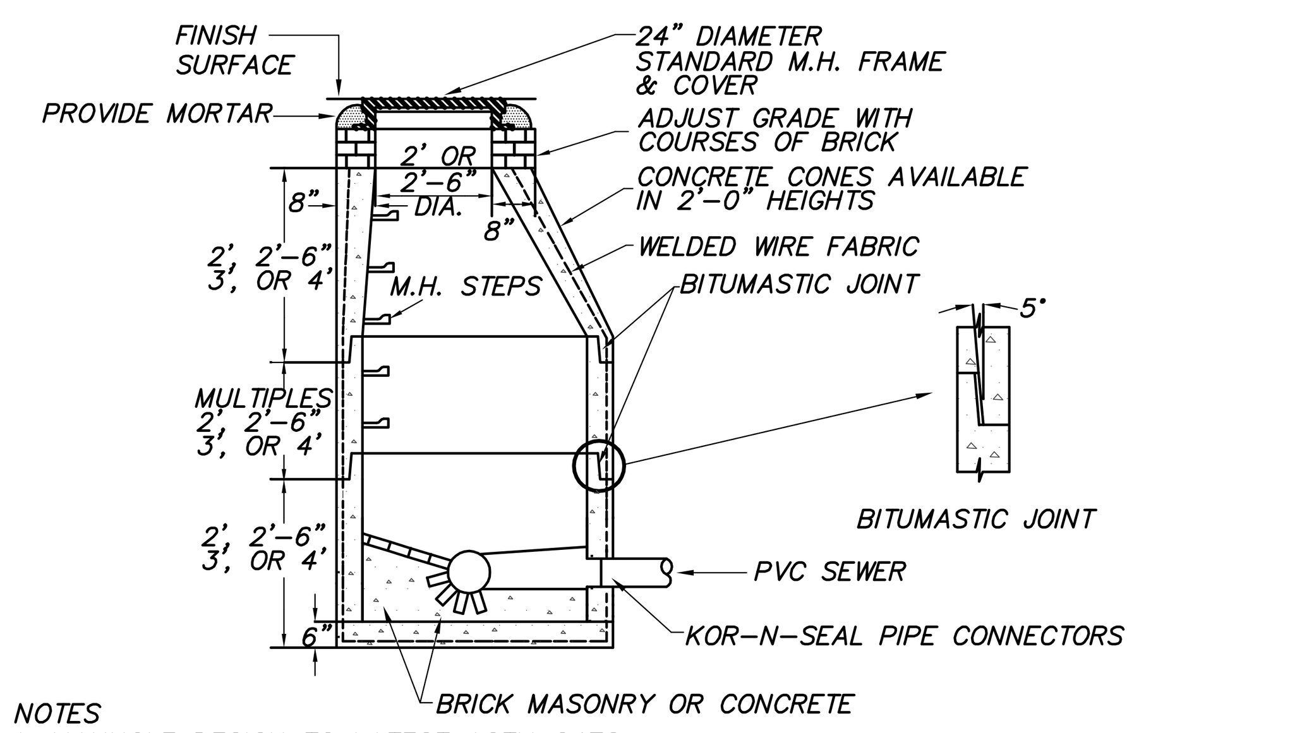
WHEELCHAIR RAMP DETAIL
(NOT TO SCALE)



GRANITE CURB INLET DETAIL
(NOT TO SCALE)



NOTE: COMPONENTS SHALL BE CCA TREATED SOUTHERN YELLOW PINE



NOTES
1. MANHOLE DESIGN TO LATEST ASTM C478.
2. REINFORCING STEEL CONFORMS TO LATEST ASTM A 185.
3. CONCRETE COMPRESSIVE STRENGTH-4,000 PSI @ 28 DAYS.
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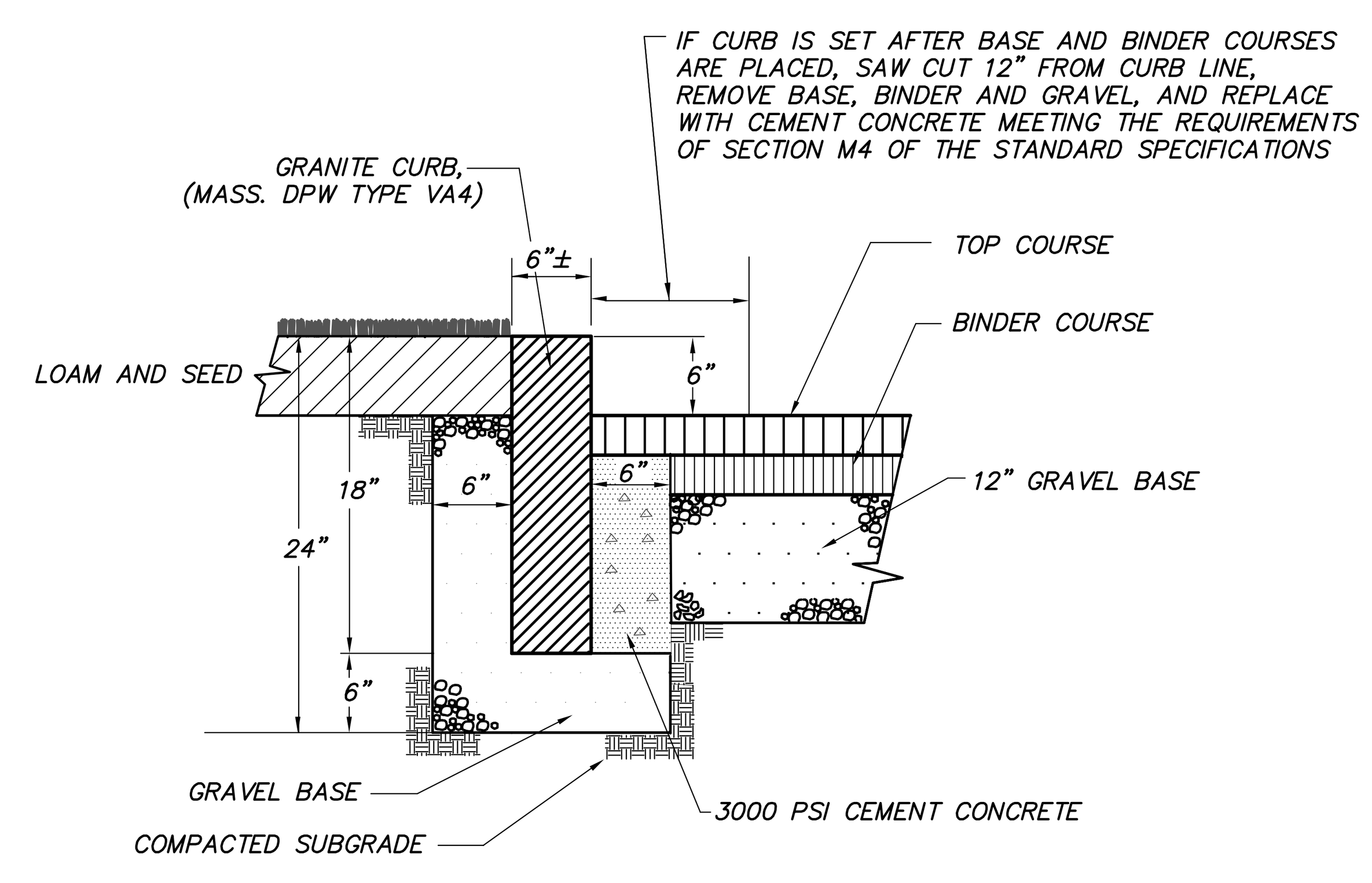
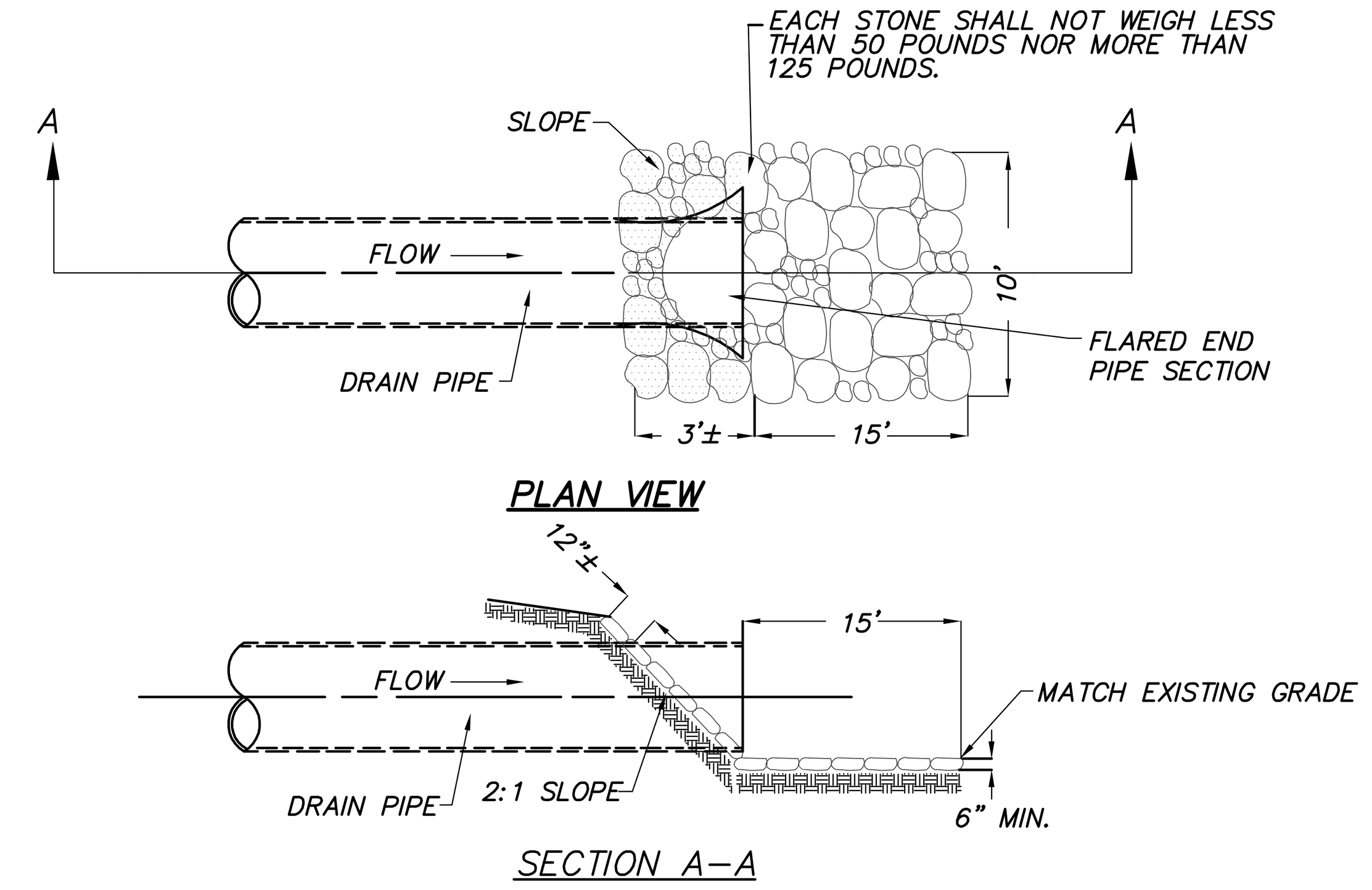
7. BITUMASTIC BUTYL RUBBER FOR JOINTS CONFORM TO LATEST ASTM C443 AND FED SS-S-201A SPEC.
8. KOR-N-SEAL FLEXIBLE PIPE CONNECTORS FROM 3.5" TO 21.25" O.D. ASTM C923, A167.

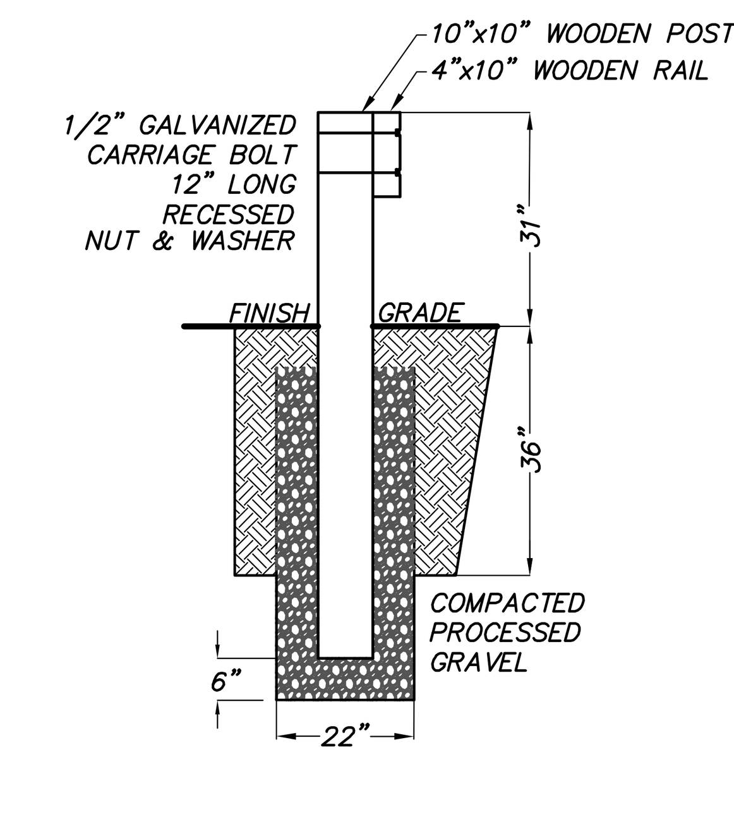
PRECAST CONCRETE SEWER MANHOLE DETAIL (TYP.)
(NOT TO SCALE)



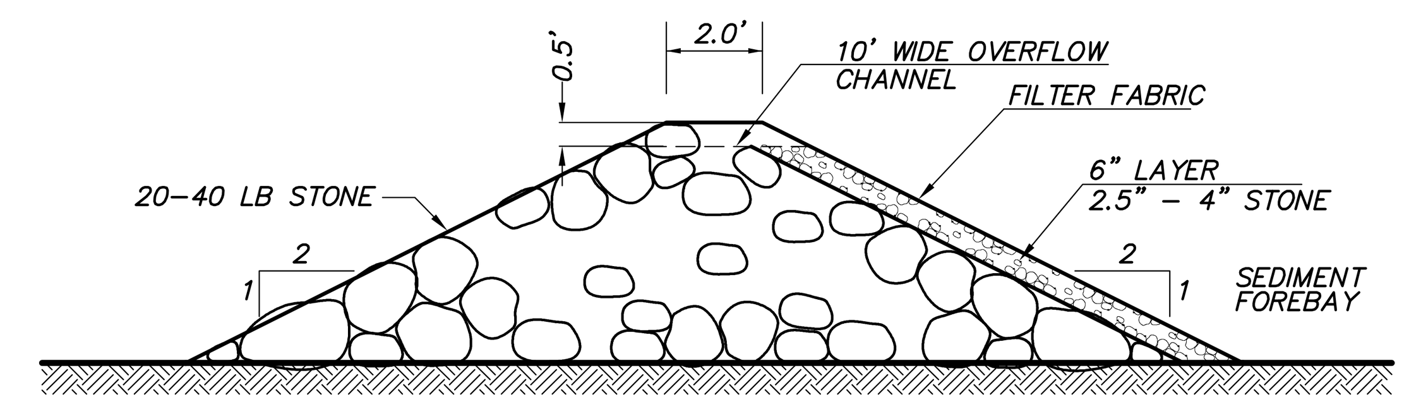
GRANITE CURB DETAIL
(NOT TO SCALE)



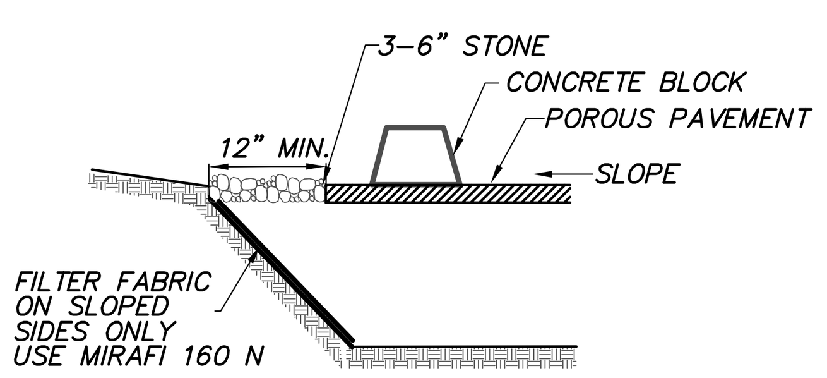
STONE RIPRAP DETAIL
(NOT TO SCALE)



WOODEN GUARD RAIL
(NOT TO SCALE)



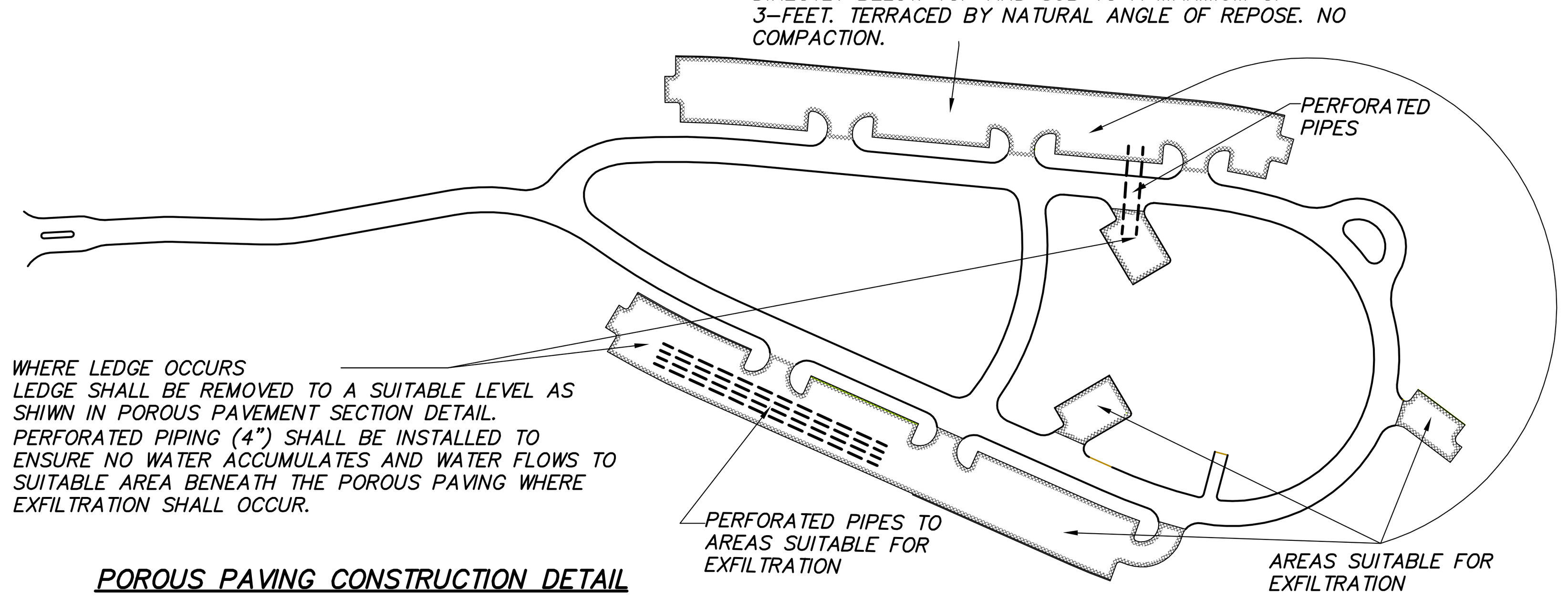
SEDIMENT FOREBAY CHECK DAM DETAIL
N.T.S



OVERFLOW EDGE DETAIL
USE ONLY AT BOTTOM OF SLOPING PAVEMENT & AT FRONT END OF PARKING

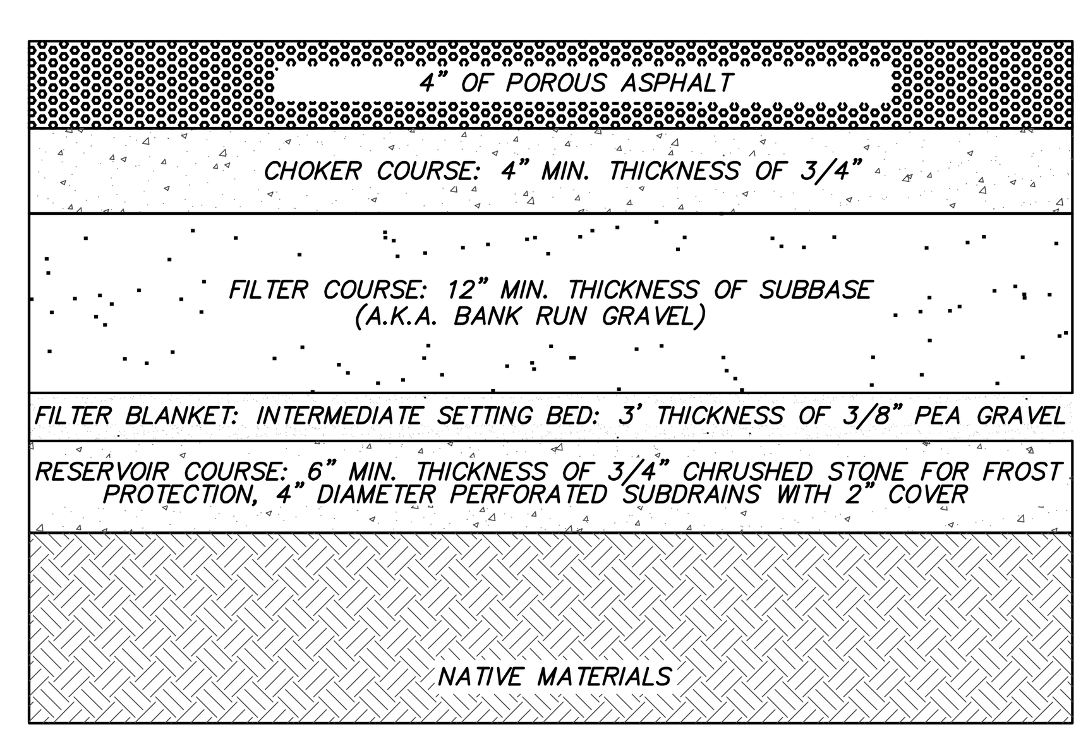
POROUS PAVING DETAILS

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



WHERE LEDGE OCCURS LEDGE SHALL BE REMOVED TO A SUITABLE LEVEL AS SHIWN IN POROUS PAVEMENT SECTION DETAIL. PERFORATED PIPING (4") SHALL BE INSTALLED TO ENSURE NO WATER ACCUMULATES AND WATER FLOWS TO SUITABLE AREA BENEATH THE POROUS PAVING WHERE EXFILTRATION SHALL OCCUR.

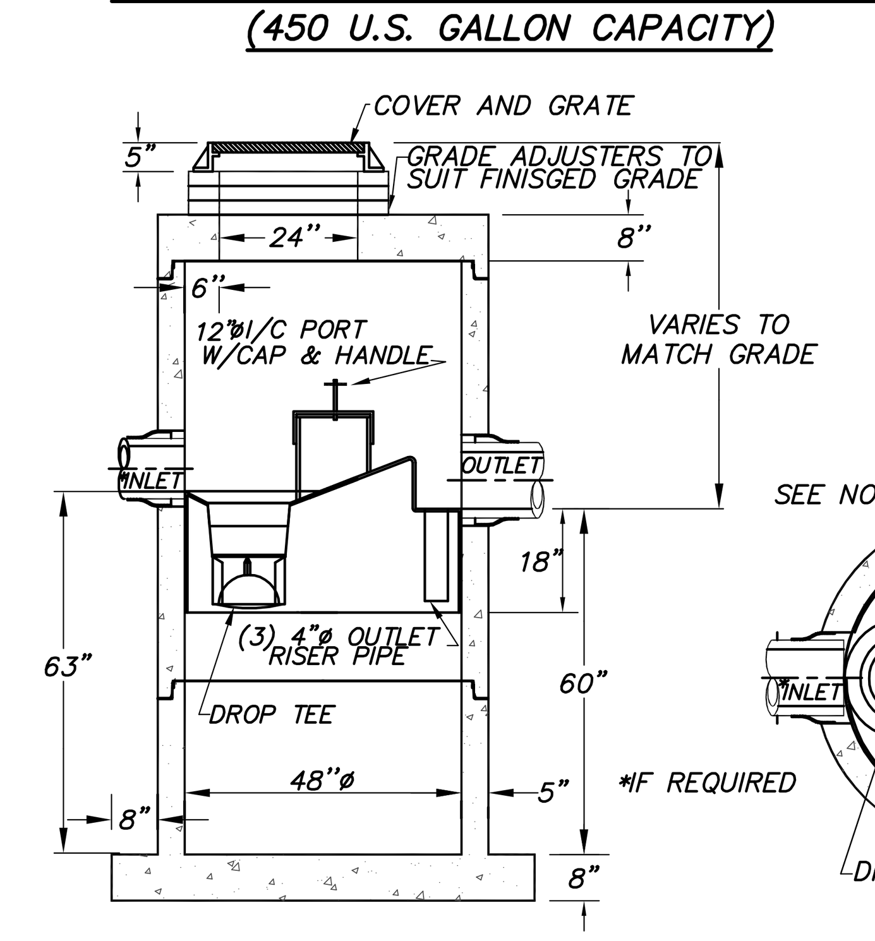
POROUS PAVING CONSTRUCTION DETAIL



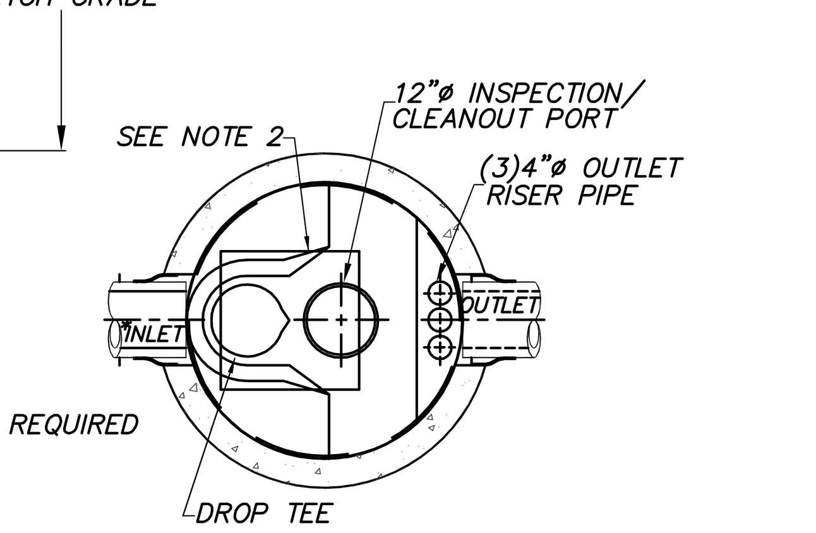
POROUS PAVEMENT SECTION

NOTES
1. NO COMPACTED FILL SHOULD BE USED ON NATIVE MATERIAL.
2. MAXIMUM SURFACE GRADE 5%.
3. POST SIGNS IDENTIFYING POROUS PAVEMENT AREAS.
4. MINIMIZE SALT USE DURING WINTER MONTHS.
5. NO WINTER SANDING IS ALLOWED.
6. KEEP LANDSCAPED AREAS WELL MAINTAINED TO PREVENT SOIL FROM BEING TRANSPORTED ONTO THE PAVEMENT.
7. CLEAN THE SURFACE USING VACUUM SWEEPING MACHINES MONTHLY.
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.

ORS 065 PRECAST CONCRETE STORMCEPTOR
(450 U.S. GALLON CAPACITY)



SECTION THRU CHAMBER



PLAN VIEW

NOTES:
1. THE USE OF FLEXIBLE CONNECTION IS RECOMMENDED AT THE INLET AND OUTLET WHERE APPLICABLE.
2. THE COVER SHOULD BE POSITIONED OVER THE INLET DROP PIPE AND THE OIL PORT.
3. THE STORMCEPTOR SYSTEM IS PROTECTED BY ONE OR MORE OF THE FOLLOWING U.S. PATENTS: #4985148, #5498331, #5725760, #5753115, #5849181, #6068765, #6371690.
4. CONTACT A CONCRETE PIPE DIVISION REPRESENTATIVE FOR FURTHER DETAILS NOT LISTED ON THIS DRAWING.

APPROVED BY
GROTON PLANNING BOARD

DATE ______

THIS SITE PLAN APPROVAL DOES NOT NECESSARILY INDICATE COMPLIANCE WITH THE GROTON ZONING BYLAW.

#	DATE	REVISION COMMENT

DATE: 2/21/14

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2-21-14

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