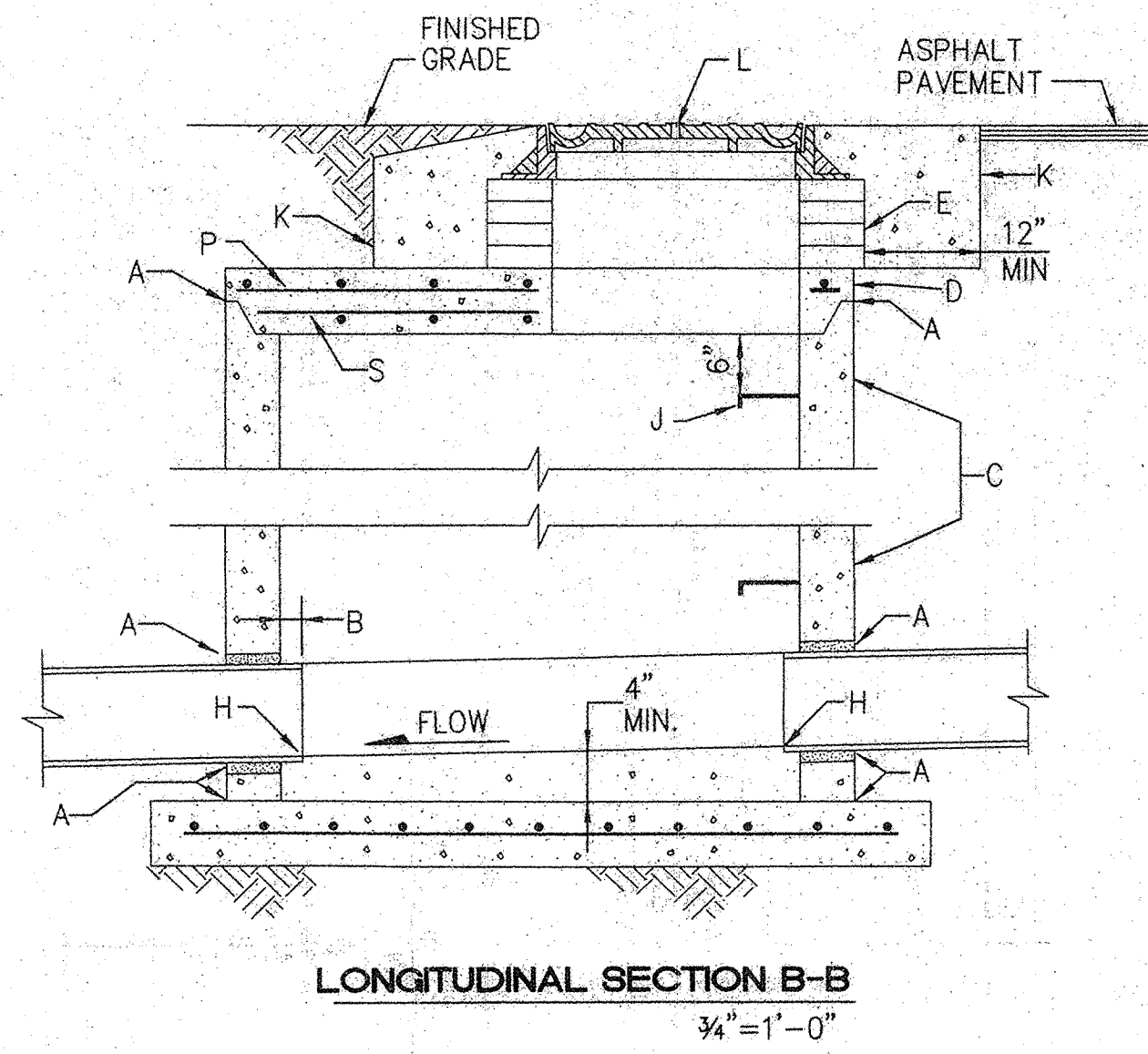
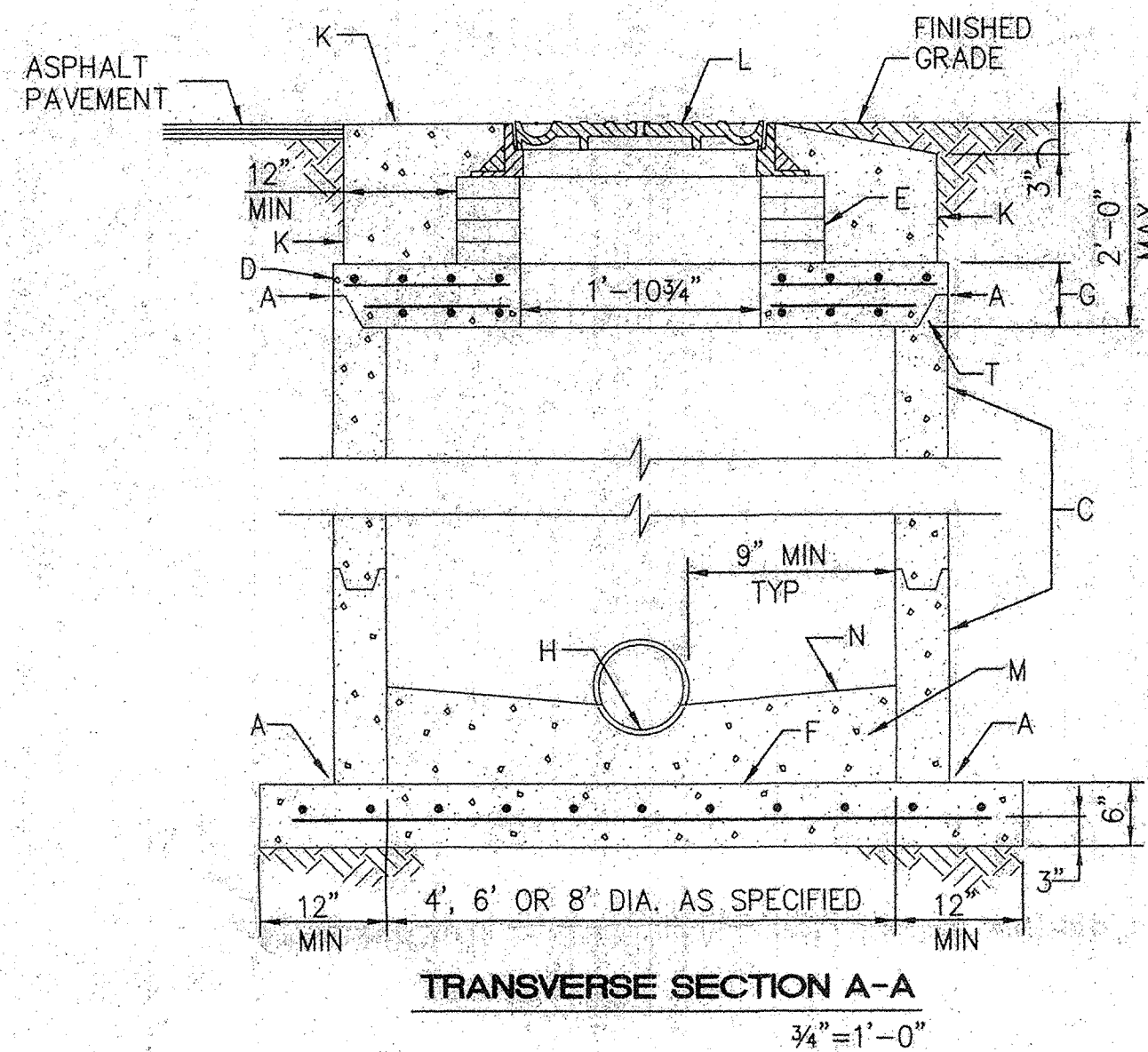
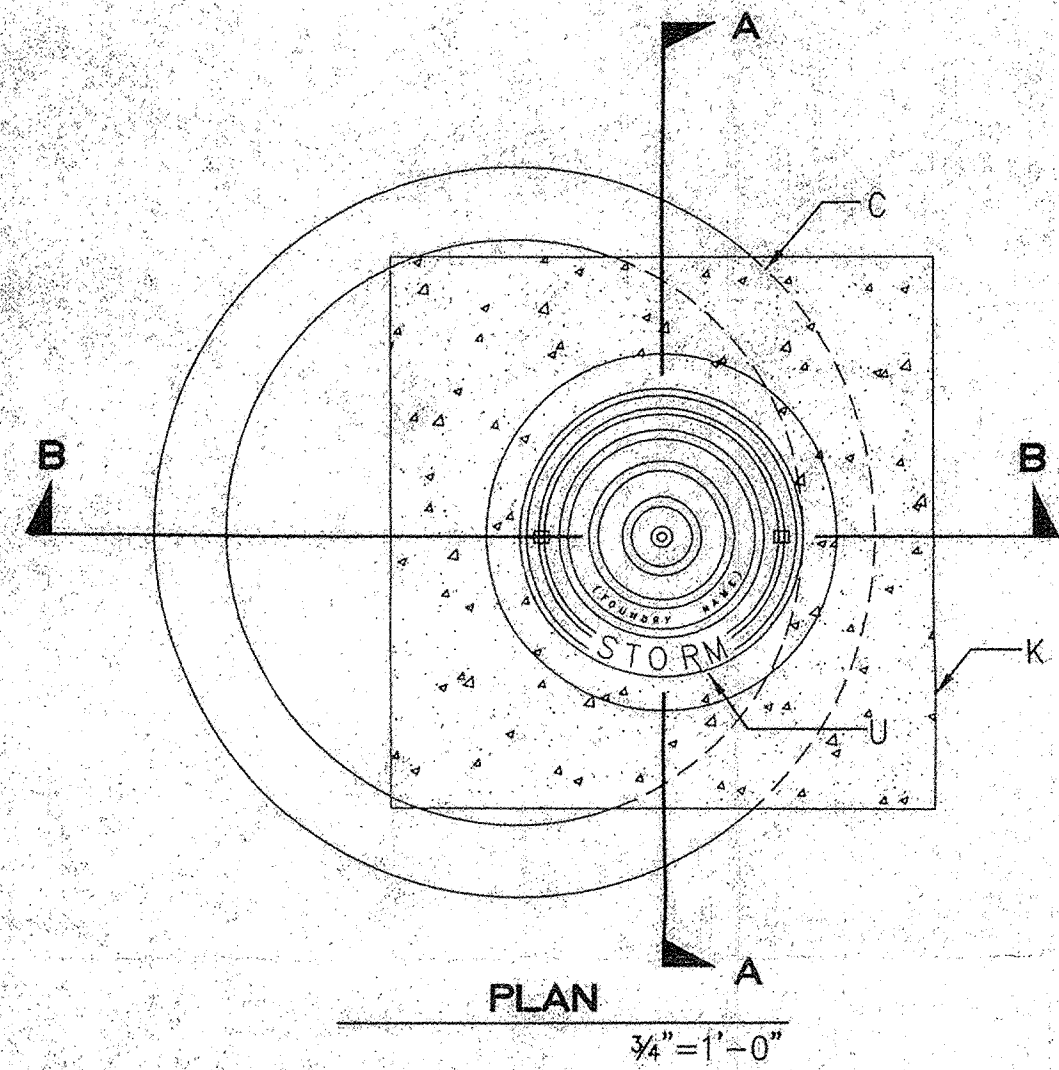
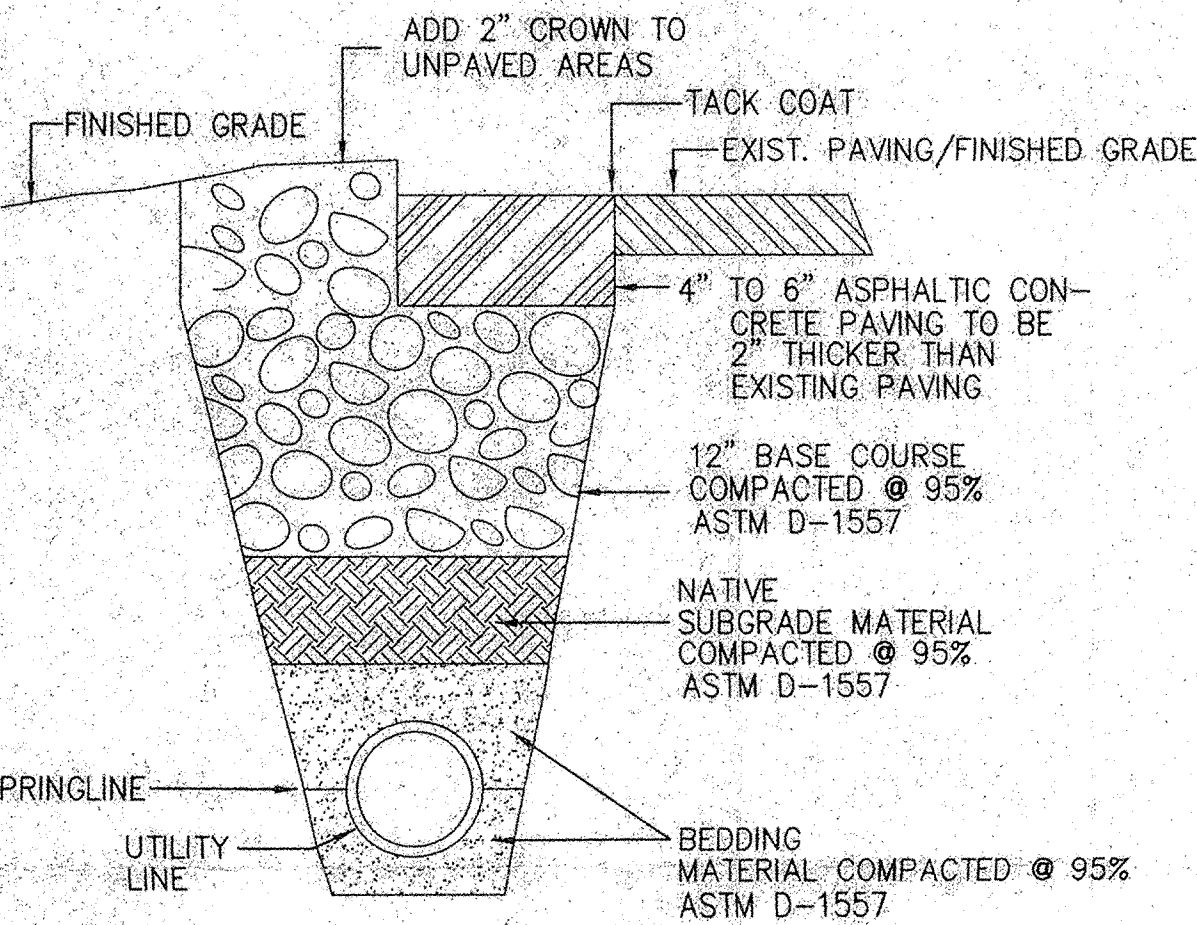


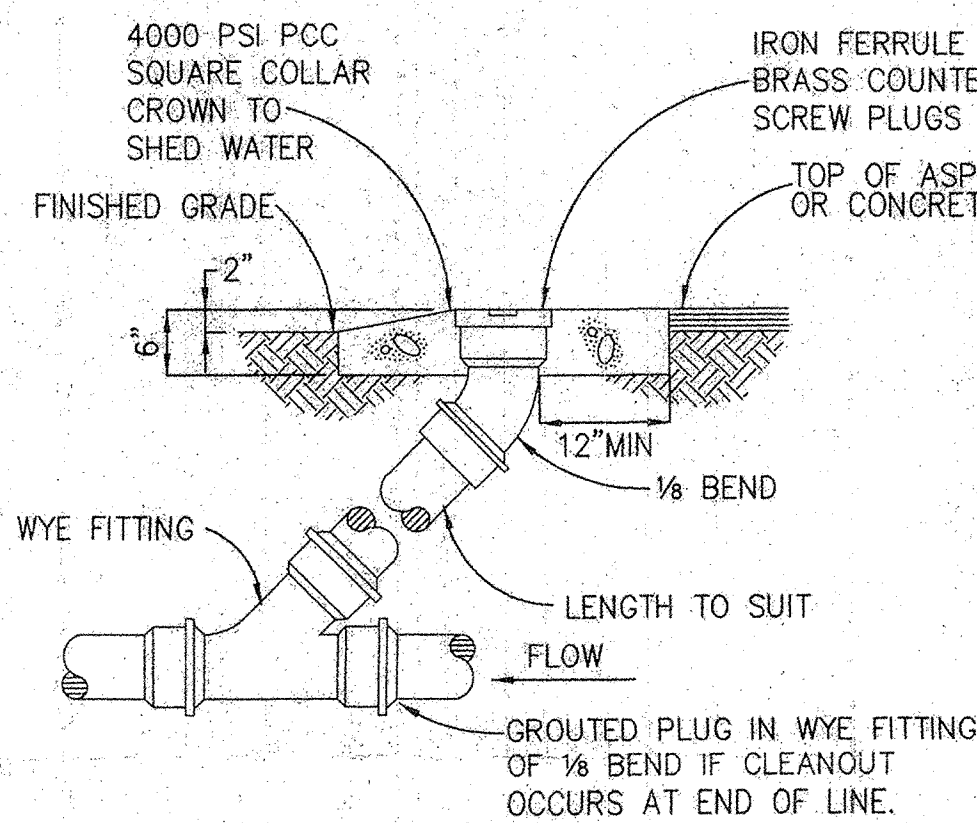


- GENERAL NOTES:**
- USE NON-SHRINK GROUT FOR JOINTS, FILLETS, AND PENETRATIONS.
 - COMPACT ALL BACKFILL AROUND MANHOLE TO 95% ASTM D1557.
 - POSITION MANHOLE OPENING OVER THE UPSTREAM SIDE OF MAIN LINE.
 - USE TYPE "C" MANHOLE FOR DEPTHS OF 6' OR LESS MEASURED FROM INVERT TO RIM. MAY USE TYPE "C" MANHOLE OR TYPE "E" MH FOR DEPTHS GREATER THAN 10'.
- CONSTRUCTION NOTES:**
- WATER TIGHT CONNECTIONS AT ALL JOINTS.
 - PIPE PENETRATION INTO MANHOLE SHALL BE FLUSH TO 2" MAXIMUM, MEASURED AT SPRING LINE OF PIPE.
 - PRECAST CONCRETE BARREL.
 - PRECAST CONCRETE COVER.
 - GRADE MS BRICKS FOR ADJUSTMENT OF MANHOLE FRAME (FOUR COURSES MAXIMUM), 1/2" MORTAR PLASTER OVER INSIDE OF BRICKS OR PRE-CAST ADJUSTMENT RINGS.
 - CAST IN PLACE CONCRETE BASE WITH #4 BARS @ 12" O.C. EACH WAY.
 - 8" THICK FOR 4' OR 6' DIA. MANHOLE, 10" THICK FOR 8' DIA. MANHOLE.
 - INVERT ELEVATION AS SHOWN ON PLANS.
 - NON-CORROSIVE POLYPROPYLENE OR ALUMINUM MH STEPS @ 12" O.C.
 - 5'X5' SQUARE OR 5' DIA. CIRCULAR CONCRETE PAD (COLLAR) 4000 PSI, PCC.
 - HEAVY DUTY FRAME AND LID.
 - CONCRETE FILL SHAPED TO MATCH FLOW PATTERN.
 - SLOPE 1" PER FT. FROM PIPE CROWN.
 - TOP MAT: NO. 4 BARS AT 6" O.C.E.W. PLACE BARS IN TOP MAT AT 45° ANGLE TO BOTTOM MAT.
 - BOTTOM MAT: NO. 4 BARS AT 6" O.C.E.W. FOR 4' OR 6' DIA. MANHOLE. NO. 8 BARS AT 8" O.C.E.W. FOR 8' DIA. MANHOLE.
 - CAST COVER TO MATCH TONGUE AND GROVE JOINT. DIA. MANHOLE. NO. 8 BARS.
 - "STORM" OR "SEWER" CAST ON LID AS APPROPRIATE.

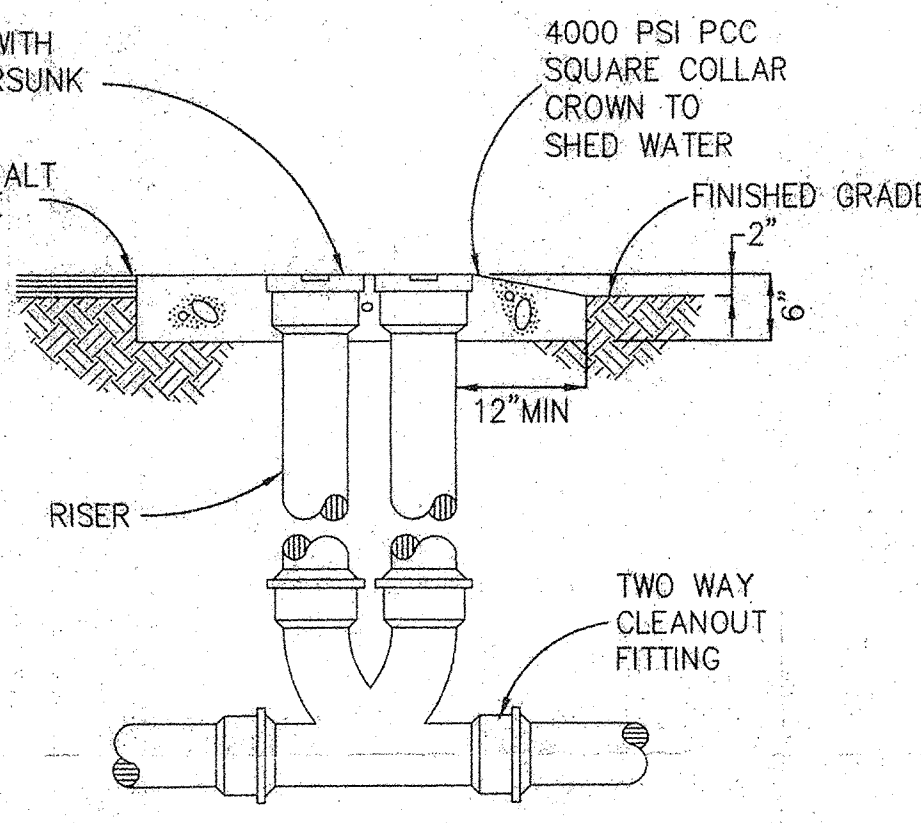
1. TYPE "C" MANHOLE



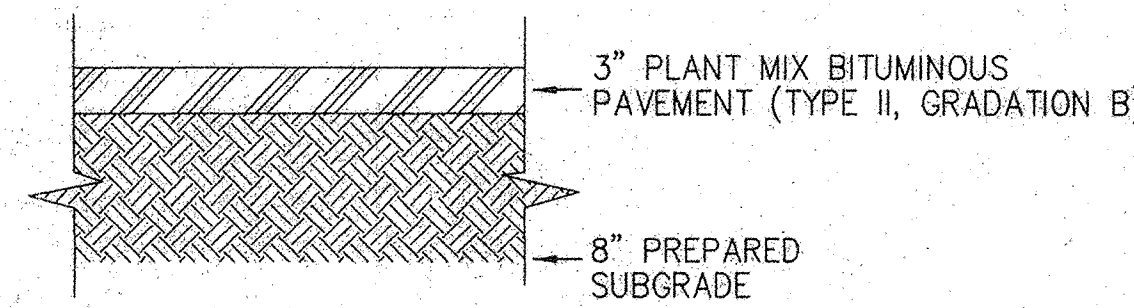
2. UTILITY PAVEMENT CUT TYPICAL TRENCH SECTION



3. CLEANOUT DETAILS

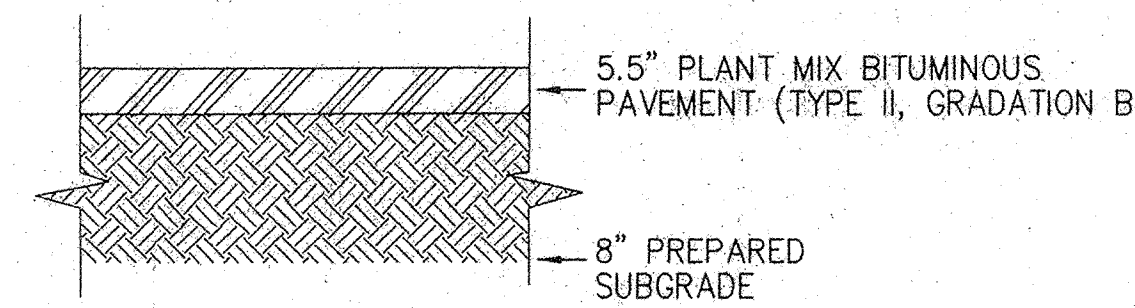


N.T.S.



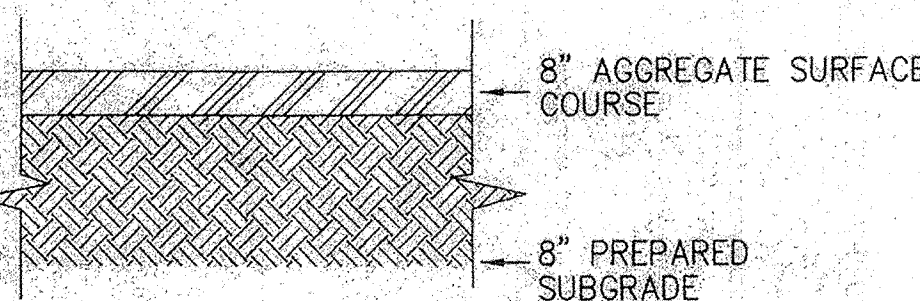
- NOTES:**
- ASPHALTIC CONCRETE PAVING SHALL BE IN ACCORDANCE WITH SPECIFICATION SECTION 02510.
 - PREPARED SUBGRADE SHALL BE COMPACTED TO ASTM D-1557 95% DENSITY.

4. LIGHT TRAFFIC PAVING SECTION



- NOTES:**
- ASPHALTIC CONCRETE PAVING SHALL BE IN ACCORDANCE WITH SPECIFICATION SECTION 02510.
 - PREPARED SUBGRADE SHALL BE COMPACTED TO ASTM D-1557 95% DENSITY.

5. HEAVY TRAFFIC PAVING SECTION



- NOTES:**
- AGGREGATE SURFACE COURSE SHALL CONSIST OF HARD DURABLE PARTICLES OF FRAGMENTS OF CRUSHED STONE, CRUSHED SLAG, OR CRUSHED GRAVEL IN ACCORDANCE WITH THE FOLLOWING GRADATION TABLE. AGGREGATE SHALL ALSO CONFORM TO THE FOLLOWING:
 - LOS ANGELES ABRASION, AASHTO T 96 50% MAX.
 - FRACTURED FACES, FLH T 507 50% MAX.
 - LIQUID LIMIT, AASHTO T 98 25 MAX.
 - DURABILITY INDEX (COARSE), AASHTO T 210 35 MIN.
 - DURABILITY INDEX (FINE), AASHTO T 210 35 MIN.
 - SODIUM SULFATE SOUNDNESS LOSS, AASHTO T 104 (5 CYCLES) 15% MAX.
 - PLACICITY INDEX, AASHTO T 90 4 to 12.
 - FURNISH A MATERIAL THAT IS FREE FROM ORGANIC MATTER, LUMPS OR BALLS OF CLAY, OR ASBESTOS FIBERS. DO NOT USE MATERIAL THAT WILL BREAK UP WHEN ALTERNATELY FROZEN AND THAWED OR WETTED AND DRIED.

AGGREGATE SURFACE COURSE GRADATION

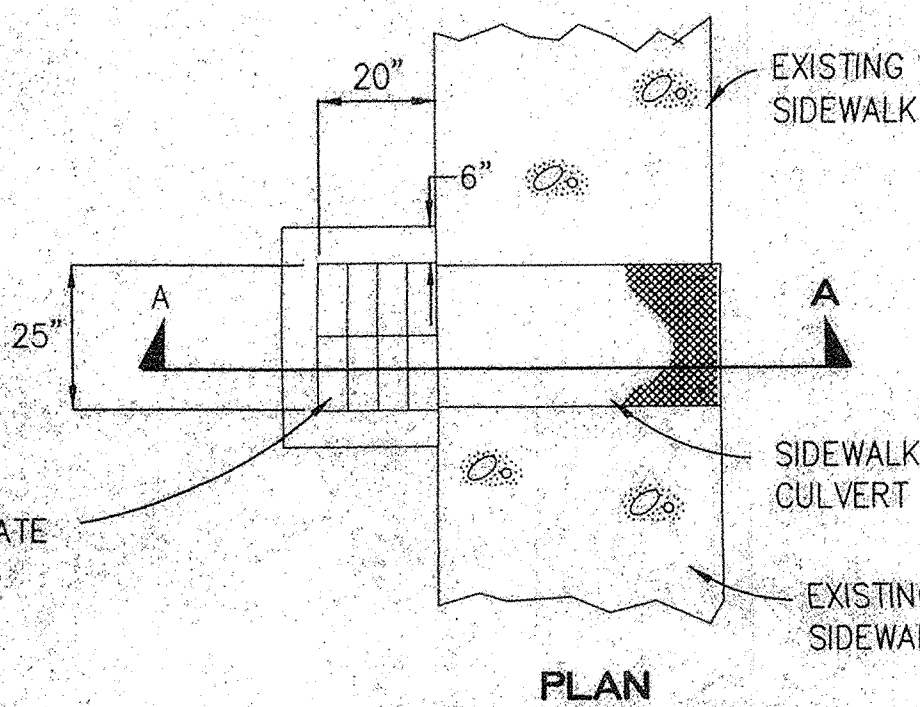
Sieve Size	Percent by Weight passing Designated Sieve (AASHTO T 27 and T 11)	
	F	G ⁽¹⁾
1 inch (25mm)	100	100
3/4 inch (19mm)	97-100	
No.4 (4.75mm)	41-71 (7)	
No.40 (425 μm)	12-28 (5)	
No.200 (75 μm)	5-16 (4)	

⁽¹⁾Reasonably graded from coarse to fine. Variations in aggregate gradation and quality to accommodate aggregates used locally by State or other Federal highway construction agencies may be approved.

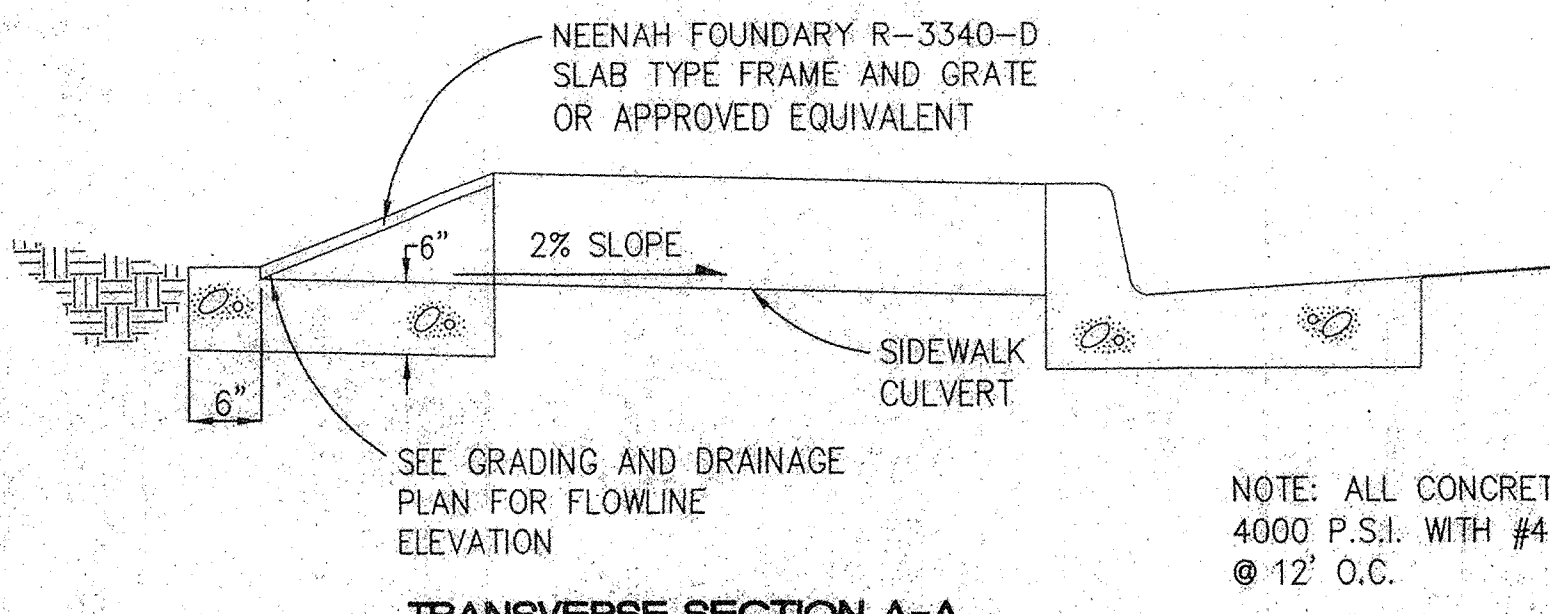
Note: Statistical acceptance procedures do not apply to sieve sizes that require 100% passing or 97% to 100% passing. Allowable deviations (±) from the target values are shown in ().

- PREPARED SUBGRADE SHALL BE COMPACTED TO ASTM D-1557 95% DENSITY.

6. GRAVEL PARKING LOT



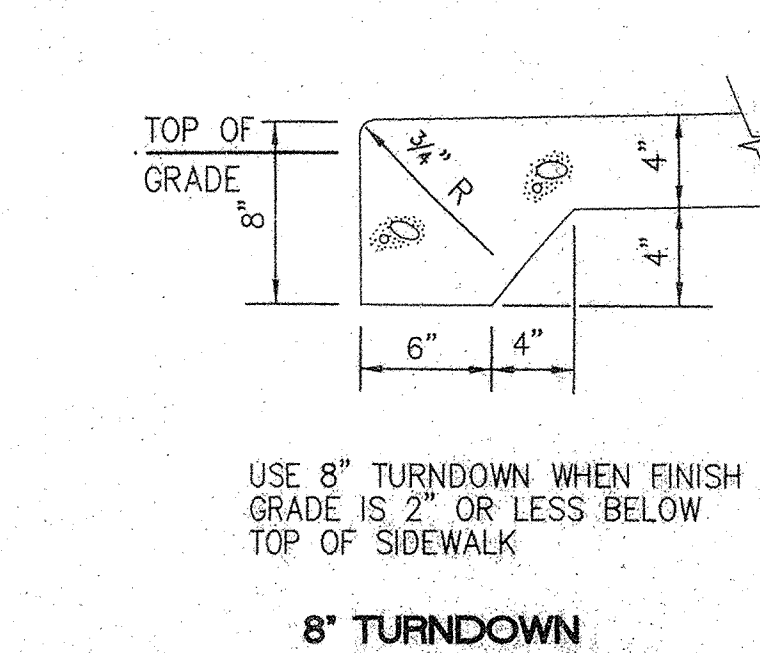
8. AREA DRAIN



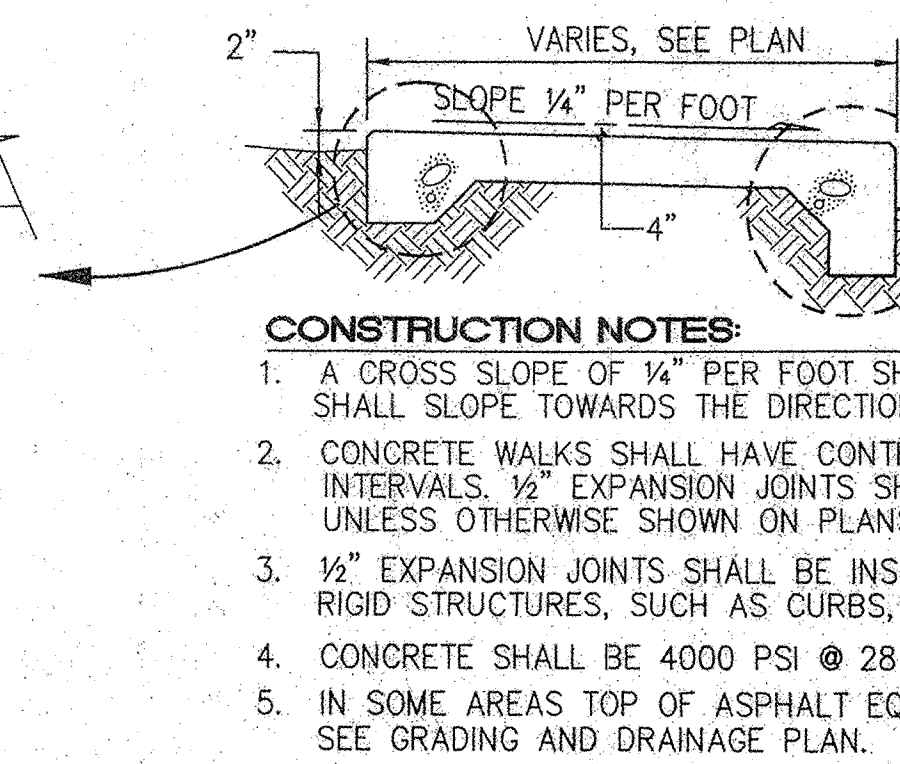
NOTE: ALL CONCRETE SHALL BE 4000 P.S.I. WITH #4 REBAR @ 12' O.C.

N.T.S.

7. CRUSHER FINES WALKWAY



9. SIDEWALK DETAIL WITH TURNDOWN BOTH ENDS



- CONSTRUCTION NOTES:**
- A CROSS SLOPE OF 1/4" PER FOOT SHALL BE PROVIDED AND SHALL SLOPE TOWARDS THE DIRECTION OF DRAINAGE AREA.
 - CONCRETE WALKS SHALL HAVE CONTRACTION JOINTS AT 6' INTERVALS. 1/2" EXPANSION JOINTS SHALL BE INSTALLED @ 36', UNLESS OTHERWISE SHOWN ON PLANS.
 - 1/2" EXPANSION JOINTS SHALL BE INSTALLED WHERE WALKS ABUT RIGID STRUCTURES, SUCH AS CURBS, BUILDINGS, OR LIGHT STANDARDS.
 - CONCRETE SHALL BE 4000 PSI @ 28 DAYS.
 - IN SOME AREAS TOP OF ASPHALT EQUALS TOP OF SIDEWALK. SEE GRADING AND DRAINAGE PLAN.

NTS

CRUSHER FINES GRADATION

Sieve Size	Percent by Weight passing Designated Sieve (AASHTO T 27 and T 11)	
	F	G ⁽¹⁾
1 inch (25mm)	100	100
3/8 inch (10mm)	100	
No.40 (425 μm)	10-30 (5)	
No.200 (75 μm)	5-20 (4)	

⁽¹⁾Reasonably graded from coarse to fine. Variations in aggregate gradation and quality to accommodate aggregates used locally by State or other Federal highway construction agencies may be approved.

Note: Statistical acceptance procedures do not apply to sieve sizes that require 100% passing or 97% to 100% passing. Allowable deviations (±) from the target values are shown in ().

- PREPARED SUBGRADE SHALL BE COMPACTED TO ASTM D-1557 95% DENSITY.

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