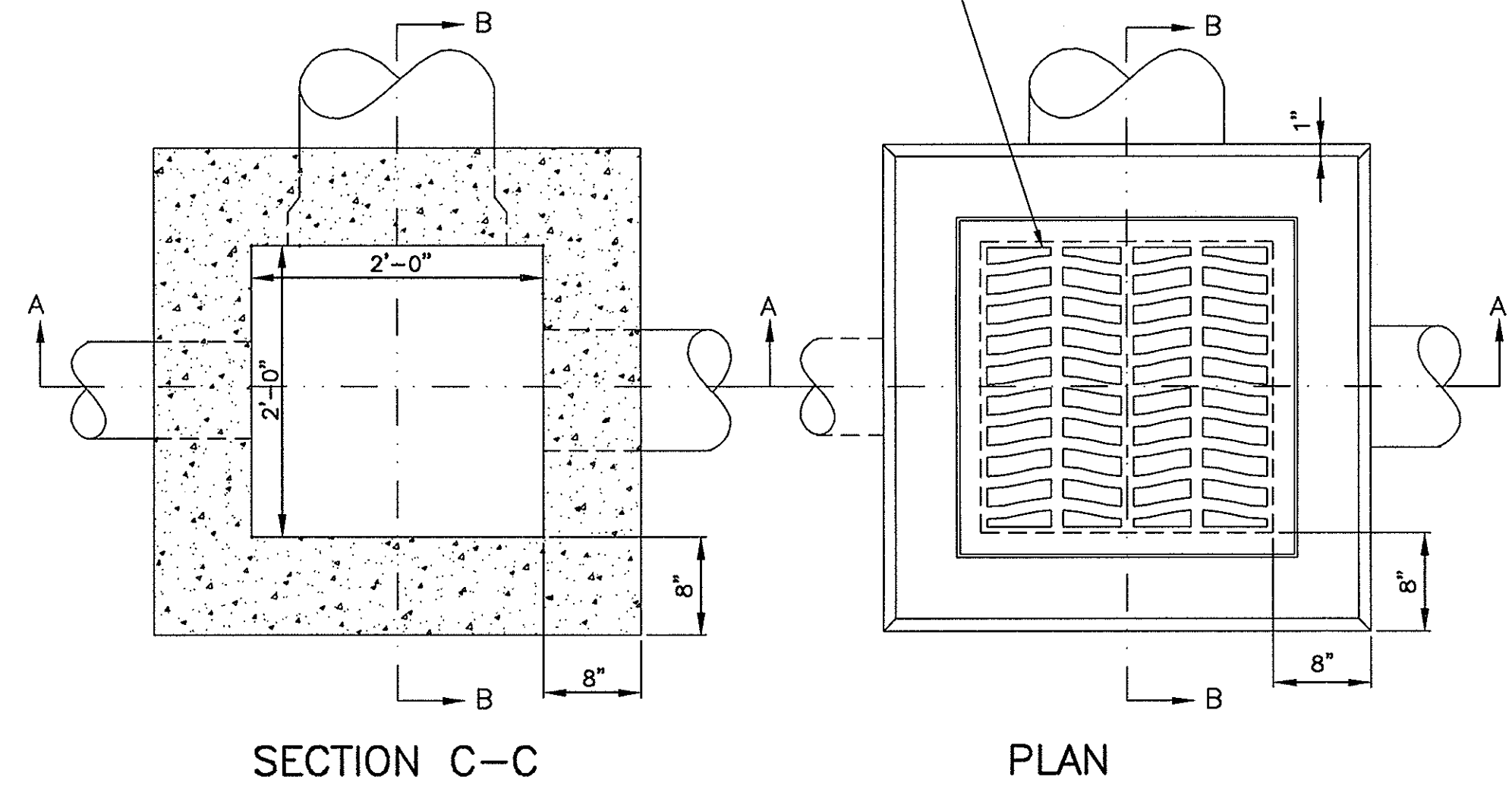


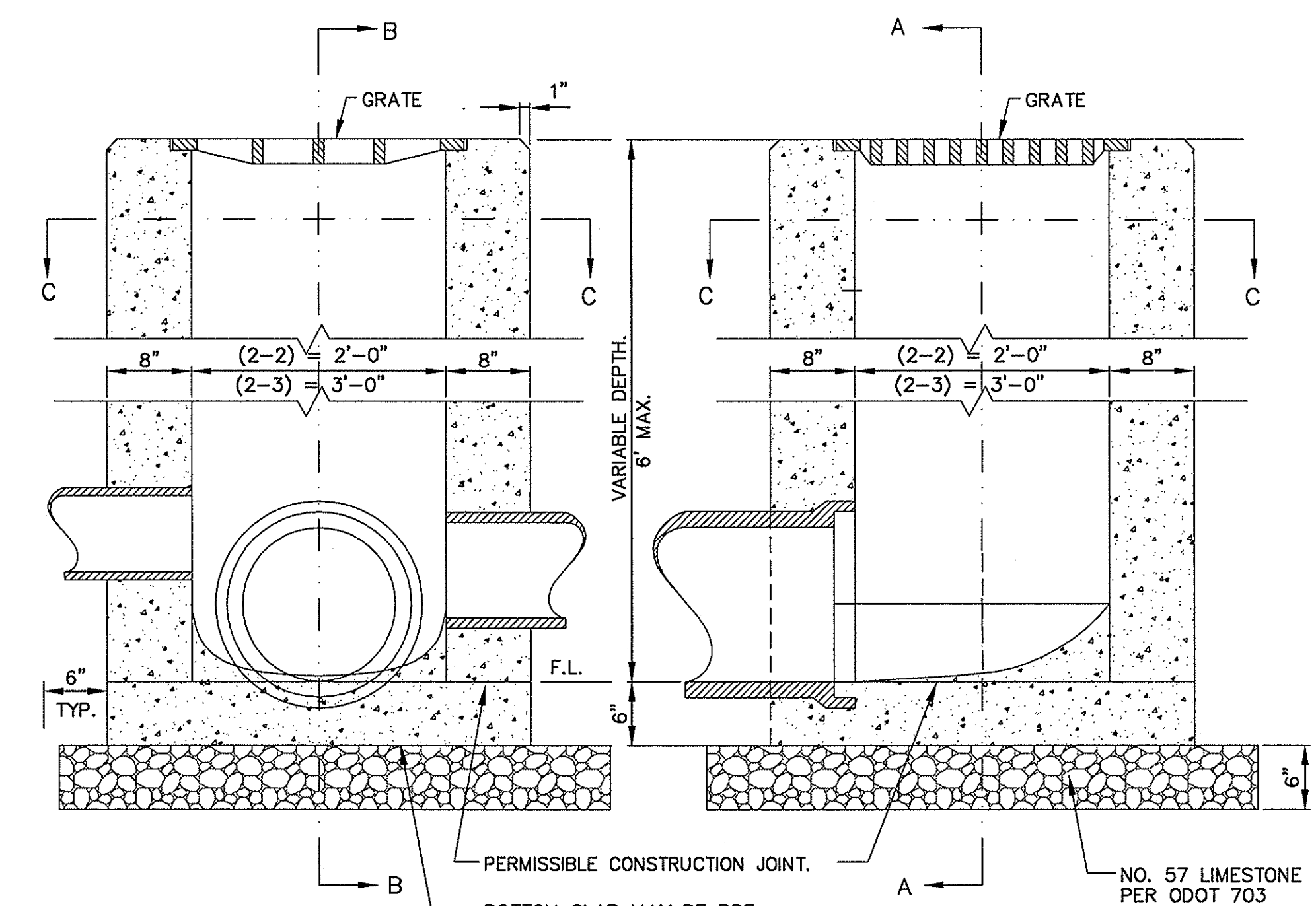
Copyright - Jul 08, 2010 - 4:15pm CT Consultants, Inc. Drawing name: H:\2010\10088\dwg\10088DD1.dwg Layout: 8 by: schneid

CASTING TYPE:  
1. NON-PAVED AREA: EAST JORDAN IRON WORKS 5110-TYPE M3 GRATE W/ CONCRETE FRAME.



SECTION C-C

PLAN

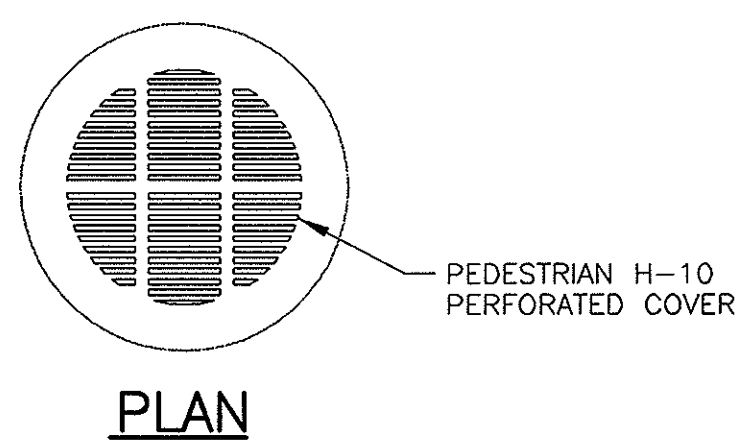


SECTION A-A

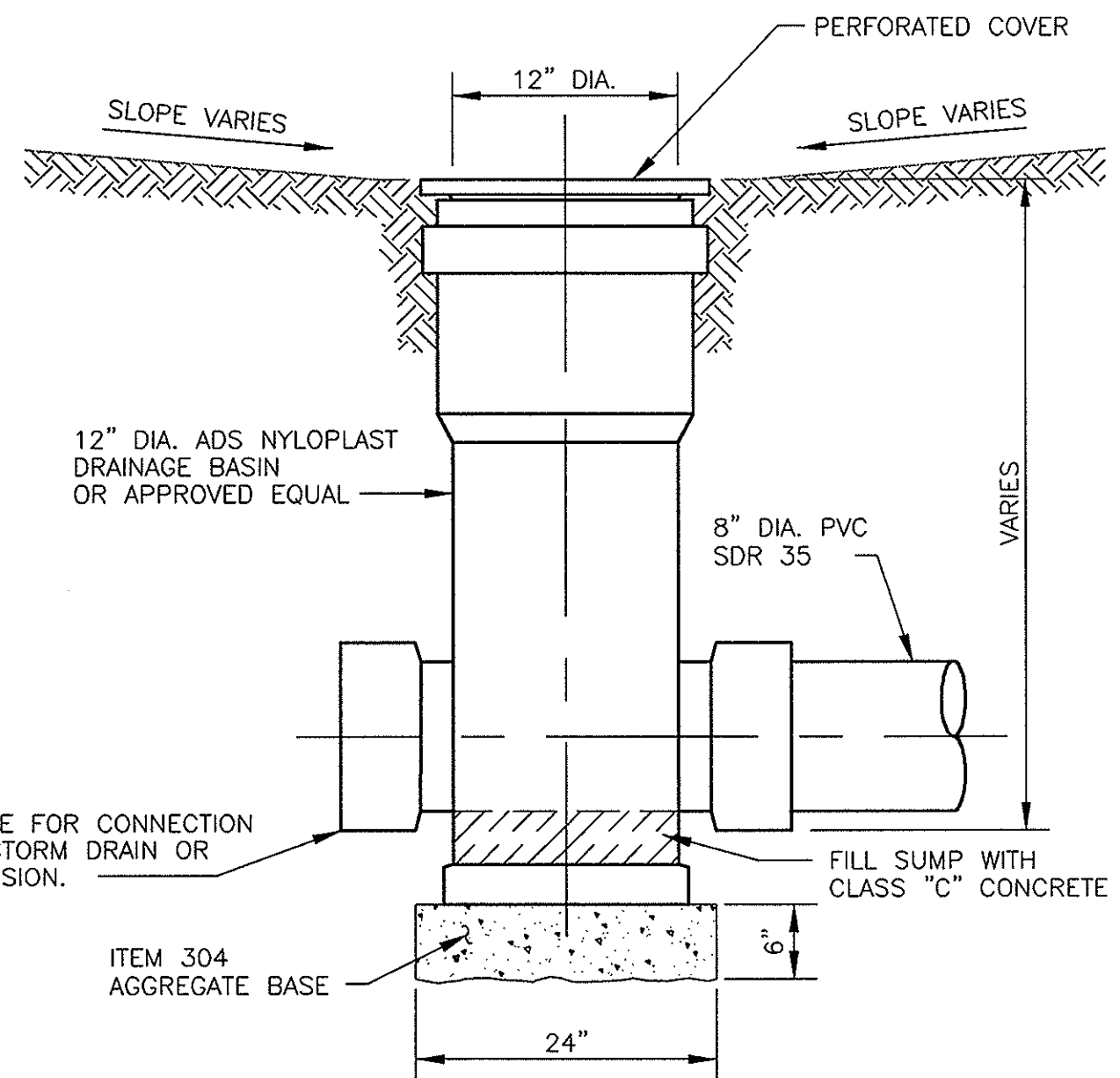
SECTION B-B

- NOTES:
1. ALL WORK SHALL CONFORM TO ODOT ITEM 604.
  2. ALL BRICK USED SHALL BE CLAY OR SHALE BRICK CONFORMING TO ODOT ITEM 704.01 (ASTM C32) UNLESS APPROVED IN WRITING BY THE ENGINEER.
  3. IF PRECAST UNITS ARE USED, THE CONTRACTOR SHALL PROVIDE SHOP DRAWINGS TO THE ENGINEER FOR APPROVAL. PRECAST UNITS SHALL CONFORM TO ODOT ITEM 708.13.
  4. ALL CONCRETE SHALL CONFORM TO ODOT ITEM 499, CLASS "C" (4000 PSI.) NO SLAG.
  5. THE ENTIRE EXCAVATED AREA AROUND THE BASIN SHALL BE BACKFILLED WITH NO. 57 LESTONE COMPACTED IN 8" LIFTS.
  6. PRECAST UNITS SHALL BE SET ON A 6" BASE OF NO. 57 LESTONE PER ODOT ITEM 703.
  7. TOP SLAB FOR ODOT TYPE 2-3 CATCH BASIN IS NOT SHOWN.
  8. TYPE 2-2-A SHALL HAVE 6" WINDOW PER PLANS.

CATCH BASIN (ODOT TYPE 2-2-A & 2-2-B)  
CATCH BASIN (ODOT TYPE 2-3)  
NO SCALE

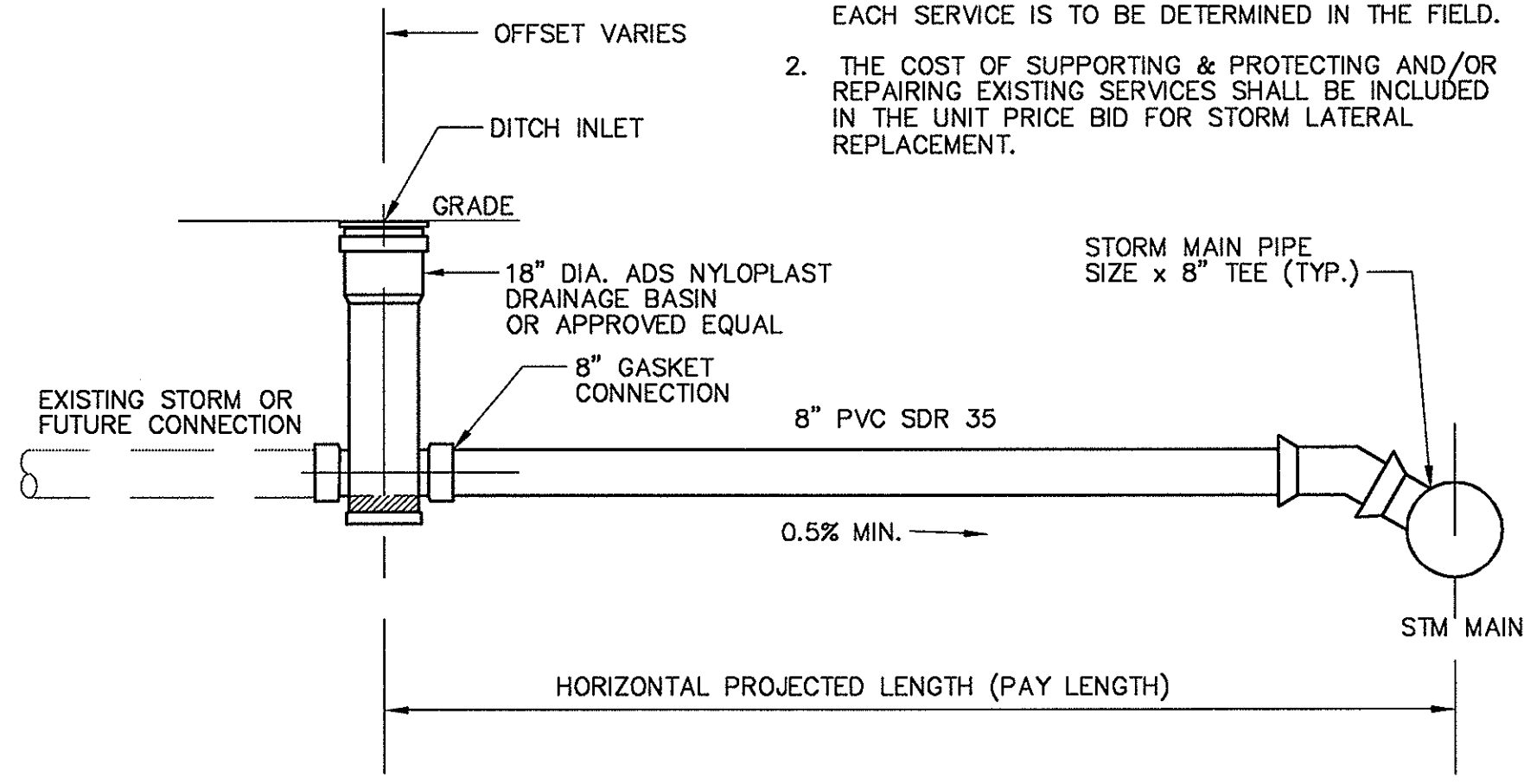


PLAN

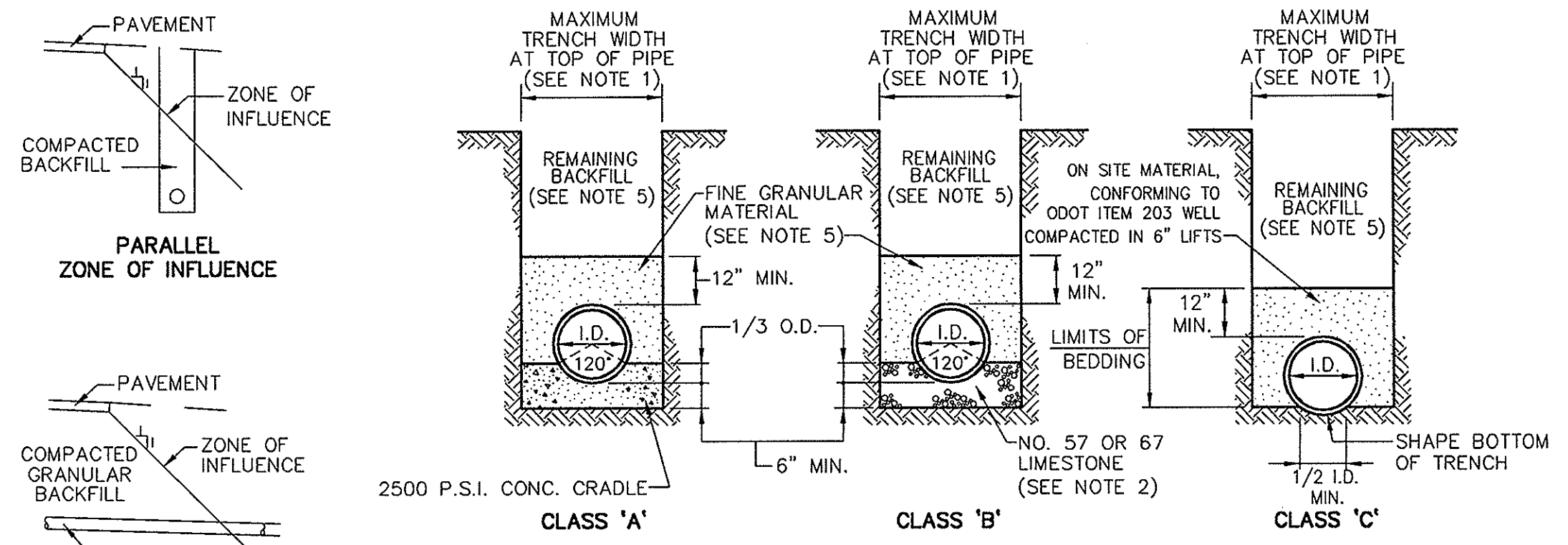


SECTION  
CATCH BASIN TYPE A  
CATCH BASIN TYPE B (ALTERNATE BID ITEM)  
NO SCALE

- NOTES:
1. THE STORM LATERAL REPLACEMENT DETAIL IS DIAGRAMATIC ONLY. THE ACTUAL LOCATION OF EACH SERVICE IS TO BE DETERMINED IN THE FIELD.
  2. THE COST OF SUPPORTING & PROTECTING AND/OR REPAIRING EXISTING SERVICES SHALL BE INCLUDED IN THE UNIT PRICE BID FOR STORM LATERAL REPLACEMENT.

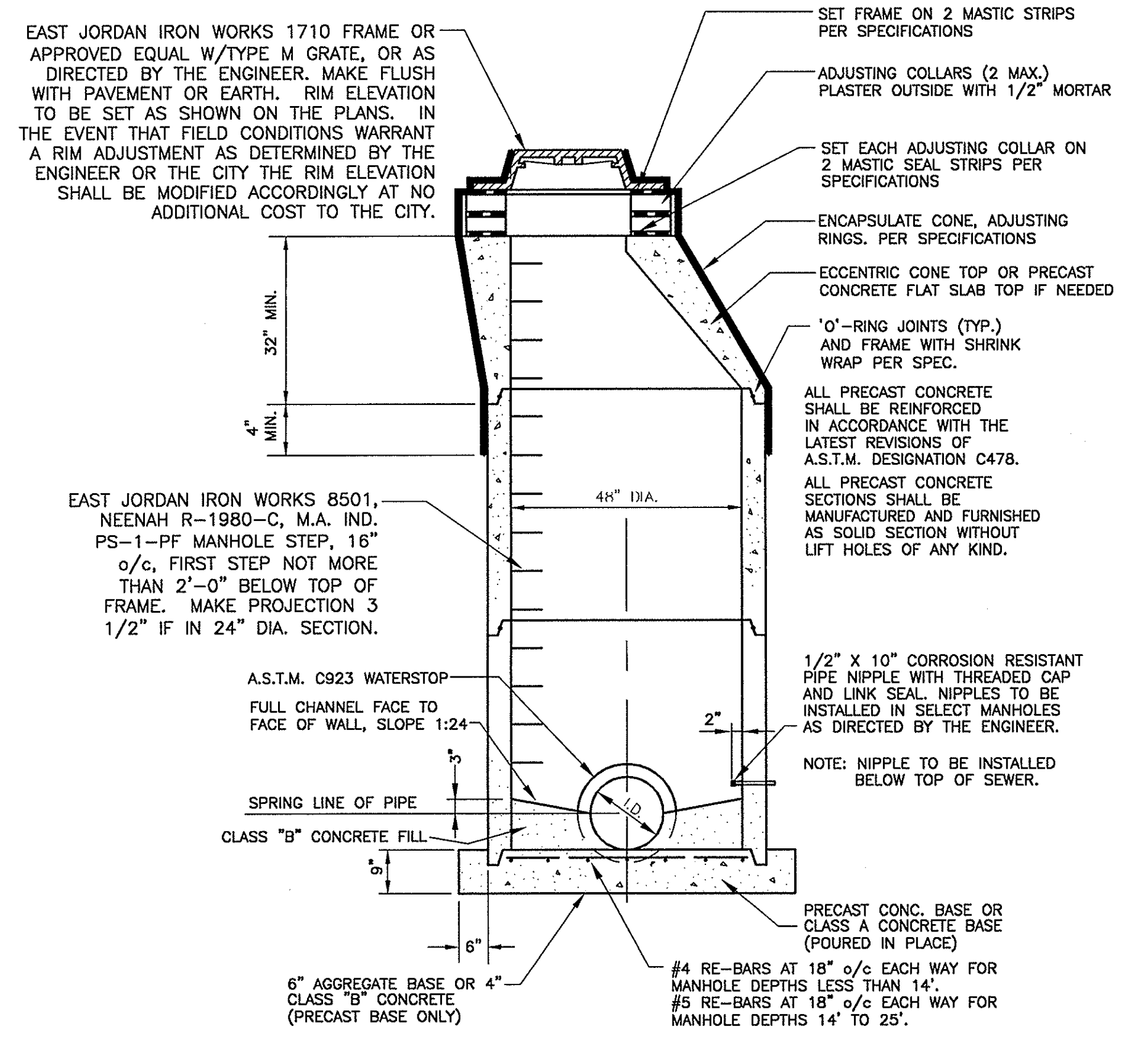


STORM LATERAL CONNECTION  
NO SCALE



- NOTES:
1. MAXIMUM TRENCH WIDTH AT TOP OF PIPE SHALL BE O.D.+ 24" FOR ALL PIPES UP TO AND INCLUDING 24" I.D.; O.D.+ 30" FOR PIPE LARGER THAN 24" I.D. TO 54" I.D. AND O.D.+ 48" FOR PIPE SIZES 60" AND OVER.
  2. PIPE BEDDING SHALL BE NO. 57 OR NO. 67 LESTONE.
  3. ALL BEDDING SHALL BE CLASS "B" UNLESS OTHERWISE NOTED ON THE PLANS OR AUTHORIZED BY THE ENGINEER. CLASS "A" BEDDING SHALL BE USED FOR ALL PIPE UNDER PAVED AREAS WITH LESS THAN 18" COVER TO PAVEMENT SUBGRADE.
  4. WATERLINE BEDDING SHALL BE CLASS "C".
  5. a) PIPE BACKFILL UNDER PAVEMENT, STRUCTURES OR WITHIN A 1:1 ZONE OF INFLUENCE PARALLEL OR TRANSVERSE TO PAVEMENT AND STRUCTURES SHALL BE NO. 57 OR NO. 67 LESTONE TO 12" ABOVE TOP OF PIPE. REMAINING TRENCH BACKFILL UNDER PAVEMENT AND STRUCTURES OR WITHIN A 1:1 ZONE OF INFLUENCE PARALLEL OR TRANSVERSE TO PAVEMENT AND STRUCTURES SHALL BE LESTONE TO TOP OF TRENCH. TRENCH BACKFILL SHALL BE PLACED IN 8" LIFTS COMPACTED TO 100% OF MAXIMUM DRY DENSITY PER STANDARD PROCTOR (ASTM D698).
  - b) IN AREAS OUTSIDE STRUCTURES OR THE 1:1 ZONE OF INFLUENCE OF THE PAVEMENT, SELECT FRIABLE ON-SITE MATERIAL APPROVED BY THE ENGINEER MAY BE USED FOR D.I.P.; NO. 57 OR NO. 67 STONE SHALL BE USED FOR R.C.P., V.C.P. AND THERMOPLASTIC PIPE TO 12" ABOVE TOP OF PIPE. FOR REMAINDER OF TRENCH BACKFILL, SELECT FRIABLE ON-SITE MATERIAL APPROVED BY THE ENGINEER MAY BE USED.
  6. SLAG SHALL NOT BE USED FOR BEDDING OR BACKFILL.
  7. CLAY DAMS SHALL BE REQUIRED WHEN AND WHERE NECESSARY PER PLAN OR AS DIRECTED BY THE ENGINEER.

TRENCH AND BEDDING DETAILS  
NO SCALE



STANDARD TYPE "A" ECCENTRIC MANHOLE  
(24" ID AND LESS)  
NO SCALE

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REV. NO.	DESCRIPTION	DATE	BY	CHK'D.

**EDISON DRIVE & MONDAMIN DRIVE**  
**STORM SEWER IMPROVEMENTS**  
**CITY OF EASTLAKE, COUNTY OF LAKE, OHIO**

DATE: JULY 2010  
DRAWN BY: LML  
CHECKED BY: TRL  
APPROVED BY: TRL  
F.B. No. 1221 Pg. 110-156

SCALE: AS NOTED

CONTRACT No. **10088**

SHEET NO. **8** OF **11**