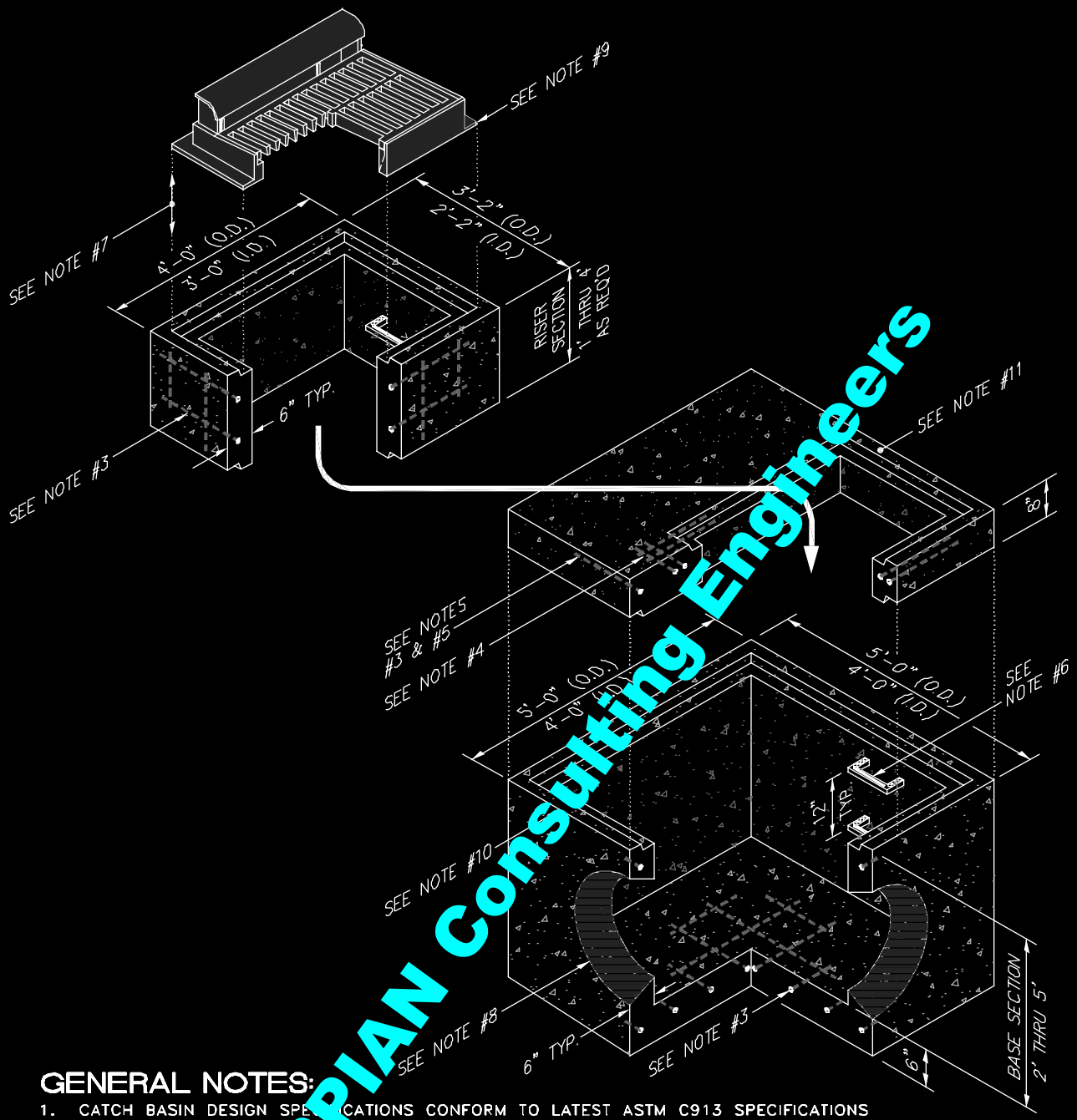

ARRIAN Consulting Engineers

GENERAL NOTES:

1. CATCH BASIN DESIGN SPECIFICATIONS CONFORM TO LATEST ASTM C913 SPECIFICATIONS FOR "PRECAST CONCRETE WATER AND WASTEWATER STRUCTURES" AND NCDOT.
2. CONCRETE COMPRESSIVE STRENGTH 4,000 PSI MINIMUM.
3. STEEL REINFORCING DESIGN TO CONFORM TO THE REQUIREMENTS OF ASTM C890 SPECIFICATIONS FOR "STRUCTURAL DESIGN AND LOADING FOR WATER AND WASTEWATER STRUCTURES" AND SHALL UTILIZE GRADE 60 RE-BARS CONFORMING TO THE REQUIREMENTS OF ASTM A615 OR WWF CONFORMING TO THE REQUIREMENTS OF ASTM A185 OR BOTH.
4. ADDITIONAL REINFORCING AT OPENINGS.
5. DESIGNED FOR H-20-44 LOADING.
6. STEPS REQUIRED ON CATCH BASINS OVER 3'-6" IN DEPTH. STEPS SHALL BE STEEL REINFORCED COPOLYMER POLYPROPYLENE PLASTIC AND MEET THE REQUIREMENTS OF ASTM C478.
7. TO BE FIELD ADJUSTED USING NCDOT APPROVED METHODS BY CONTRACTOR.
8. PIPE PENETRATION TO BE AS PER JOB REQUIREMENTS. PIPE TO BE INSTALLED BY CONTRACTOR AS PER NCDOT REQUIREMENTS FOR MORTAR JOINT CONNECTIONS.
9. FRAME AND GRATE PER NCDOT STANDARD DETAIL 840.03 OR AS OTHERWISE SPECIFIED. SUPPLIED BY EITHER P.C.M. OR CUSTOMER.
10. JOINTS TO BE SEALED WITH BUTYL RUBBER JOINT SEALANT CONFORMING TO THE REQUIREMENTS OF ASTM C990, OR MORTAR AS PER NCDOT REQUIREMENTS, OR BOTH.
11. REDUCER IS GROOVED TO ACCEPT 2'2" x 3'-0" (I.D.) RISER SECTION.

4'-0" x 4'-0" / 2'-2" x 3'-0" CATCH BASIN
NCDOT STANDARD 840.02