PART 1  GENERAL

1.01  SUMMARY

A. This section addresses precast concrete storm drainage products.

B. Related Work Specified Elsewhere
   1. Concrete storm sewer pipe: Section 02615.
   2. Concrete storm sewer manholes: Section 02605.

C. Measurement and Payment Procedures
   1. For public funded capital improvement projects, measurement and payment procedures will be determined on a project by project basis.
   2. For privately funded development projects, Owner will determine measurement and payment requirements.

1.02  REFERENCES

A. Not Used

1.03  SUBMITTALS

A. See Section 02615 and Section 02605 for required submittals for precast concrete storm sewer pipe and manholes, respectively.

B. Shop Drawings: for special precast concrete items submit shop drawings showing dimensions, layout and details of reinforcement, method of manufacture and installation, openings, joints, and embedment items.

1.04  QUALITY ASSURANCE

A. See Section 01010 – 1.08.

1.05  PRODUCT DELIVERY, STORAGE, AND HANDLING

A. Delivery and Storage
   1. Materials delivered to the site shall be inspected for damage, unloaded, and stored with a minimum of handling. Materials shall not be stored directly on the ground. The inside of pipes and fittings shall be kept free of dirt and debris. The Contractor shall have a copy of the manufacturer’s instructions available at the construction site at all times and shall follow these instructions unless directed otherwise by the Inspector.

B. Handling
   1. Materials shall be handled in a manner that ensures delivery to the final position in sound, undamaged condition. Precast products shall be carried to the final position, not dragged.
PART 2 PRODUCTS

2.01 PRECAST CONCRETE PRODUCTS

A. Precast concrete manholes and appurtenant items shall be in accordance with Section 02605, Manholes.

B. Precast concrete storm sewer pipe and appurtenant items shall be in accordance with Section 02615, Concrete Storm Pipe.

C. Formwork, reinforcement, and concrete for other precast concrete storm drainage structures shall be in accordance with Section 03300, Cast-In-Place Concrete.

PART 3 EXECUTION

3.01 INSTALLATION

A. After placement and installation of precast sections.
   1. Remove lifting straps and lugs flush with the concrete surface as accepted by the City.
   2. Fill all lifting holes with non-metallic, non-shrink grout to form a water tight seal.

END OF SECTION