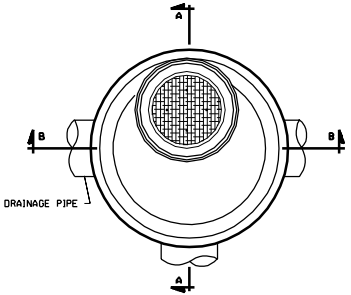


PLAN

ms = HEIGHT OF ONE MANHOLE SECTION
D = DIAMETER OF MANHOLE SECTION
h = TOTAL HEIGHT OF PERCAST GRADE RINGS (300mm MAXIMUM)

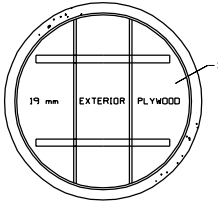
1- PRECAST GRADE RINGS ARE FURNISHED IN HEIGHTS OF 100mm, 150mm, OR 200mm.

2- MANHOLE SECTIONS ARE FURNISHED IN HEIGHTS OF 300mm, 450mm, 600mm, 900mm OR 1200mm. IN DIAMETER OF 1.2m AND 1.5m WITH WALL THICKNESS OF 125mm OR 150mm.

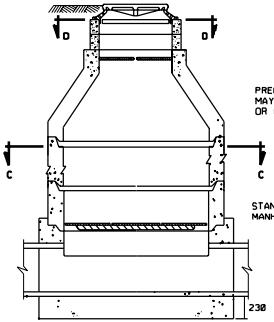
3- IF THE REQUIRED RAISE IS MORE THAN 300mm THE CONE SHALL BE REMOVED AND RINGS ADDED TO THE MANHOLE SECTION. BACKFILL SHALL BE COMPACTED TO A MIN. OF 98% DENSITY AND THE ROADWAY SURFACING REPLACED IN KIND.

4- THE CONTRACTOR SHALL INSTALL A PLYWOOD COVER, AS DETAILED, IN EITHER THE UPPER OR LOWER SECTION OF THE MANHOLE BEFORE ANY WORK IS STARTED ON MODIFYING THE MANHOLE. THE COVER SHALL REMAIN IN PLACE UNTIL THE MANHOLE RING AND COVER ARE BACK IN PLACE AND SHALL POSITIVELY PREVENT CONSTRUCTION DEBRIS FROM FALLING TO THE MANHOLE FLOOR OR ENTERING THE DRAINAGE SYSTEM.

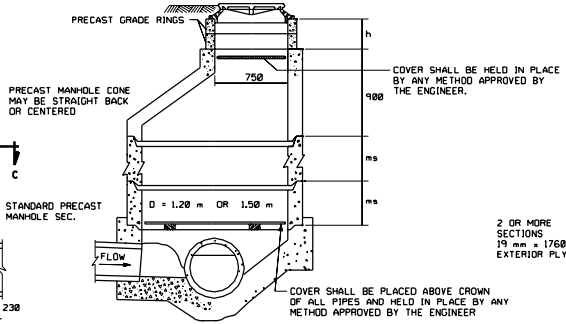
5- ANY DAMAGE TO THE MANHOLE RESULTING FROM THE CONTRACTORS OPERATIONS SHALL BE REPAIRED AT NO ADDITIONAL COST TO THE DEPARTMENT.



SECTION C-C



SECTION B-B



SECTION A-A

SECTION D-D

ALL DIMENSIONS ARE SHOWN IN MILLIMETERS (mm) UNLESS OTHERWISE NOTED.

NO.	DATE	REVISIONS	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION
STANDARD DRAWINGS FOR ROAD AND BRIDGE CONSTRUCTION
SALT LAKE CITY, UTAH

RECOMMENDED FOR APPROVAL: DATE
CHAIRMAN, STANDARDS COMMITTEE
APPROVED: DATE
DEPUTY DIRECTOR

(METRIC)

PRECAST MANHOLE
MODIFICATION DETAILS

STANDARD DRAWING TITLE

STD. DWG. NO.
650-5