

NCDOT STANDARD DRAWINGS

0400DEL_P30

STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
RALEIGH, N.C.

1-12

ENGLISH STANDARD DRAWING FOR
PRECAST CONCRETE
SANITARY SEWER MANHOLE -
OUTSIDE DROP

SHEET 1 OF 1
1525.02

SECTION X-X

PLAN

NOTES:

- THIS DETAIL SHOWS THE CONFIGURATION OF AN OUTSIDE DROP WITH A PRECAST CONCRETE MANHOLE.
- INSERT THREE #6 DOWELS INTO THE BASE OF THE PRECAST MANHOLE BEFORE POURING CAST IN PLACE TONGUE. FACTORY DRILL OR CAST THE DOWEL HOLES IN THE BASE. EPOXY THE DOWELS INTO PLACE. EMBED DOWELS A MINIMUM OF 6" INTO THE MANHOLE BASE AND THE TONGUE. CENTER DOWELS VERTICALLY AND HORIZONTALLY. PLACE DOWELS 12" ON CENTER.
- BLOCK WALL TO SPRING LINE OF HORIZONTAL PIPE.
- USE FOR DROP INLET PIPES UP TO 12".
- USE PC 350 DUCTILE IRON PIPE AND FITTINGS FOR THE DROP ASSEMBLY. THE DROP ASSEMBLY SHALL BE THE SAME PIPE DIAMETER AS THE INLET PIPE.

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ENGLISH STANDARD DRAWING FOR
PRECAST CONCRETE
SANITARY SEWER MANHOLE
WITH CAST-IN-PLACE BOTTOM

SHEET 2 OF 2
1525.06

REINFORCED CONCRETE FOOTING FOR 5' PRECAST MANHOLE OR 4' PRECAST MANHOLE

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ENGLISH STANDARD DRAWING FOR
PRECAST CONCRETE
SANITARY SEWER MANHOLE
WITH CAST-IN-PLACE BOTTOM

SHEET 2 OF 2
1525.06

BILL OF MATERIAL FOR 6'-0" FOOTING				
BAR	SIZE	LENGTH	NO.	WT. lbs.
T1	#5	5'-6"	18	103
CLASS "A" CONC. YD ³ 9" THICK 1.00				
BILL OF MATERIAL FOR 7'-0" FOOTING				
BAR	SIZE	LENGTH	NO.	WT. lbs.
T2	#5	6'-6"	20	136
CLASS "A" CONC. YD ³ 9" THICK 1.36				
CLASS "A" CONC. YD ³ 12" THICK 1.82				
BILL OF MATERIAL FOR 8'-0" FOOTING				
BAR	SIZE	LENGTH	NO.	WT. lbs.
T3	#5	7'-6"	24	188
CLASS "A" CONC. YD ³ 12" THICK 2.37				

PLACE REINFORCING STEEL SO THAT STEEL IS PLACED A MIN. OF 2" AND A MAX. OF 4" FROM THE TOP OF THE SLAB.