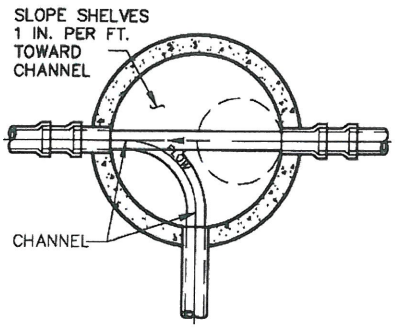
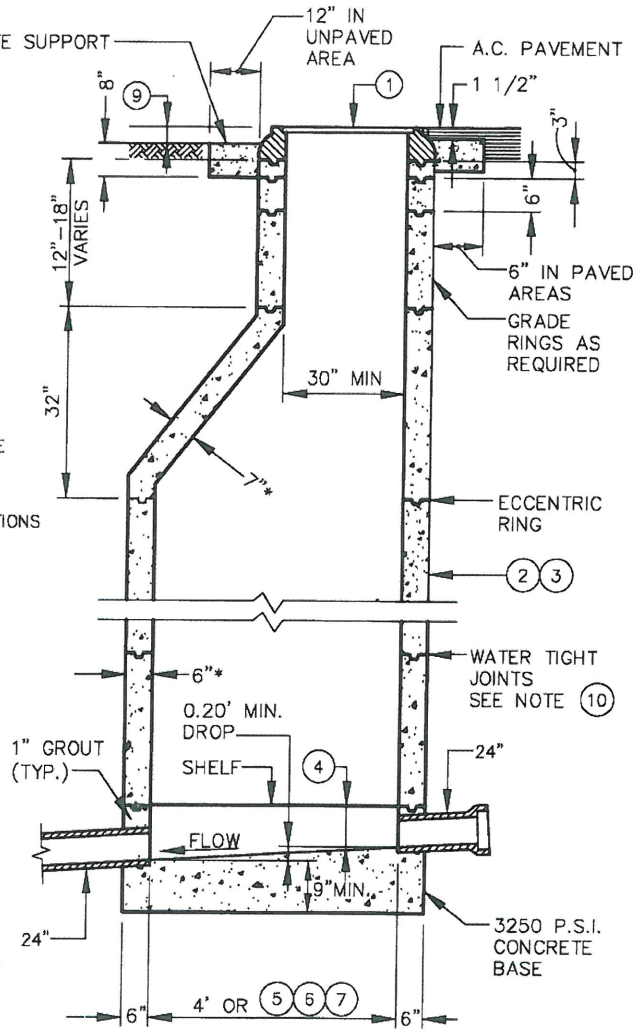


PLAN OF BASE

NOTES

1. FRAME AND COVER FOR 48" I.D. MANHOLE SHALL BE 30". FRAME AND COVER FOR 60" OR LARGER I.D. MANHOLE SHALL BE 36".
2. NON-REINFORCED PRE-CAST MANHOLES SHALL BE CLASS 560-C-3250 PER SECTION 201-1 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
3. REINFORCED PRE-CAST MANHOLES SHALL BE PER ASTM C-478 SPECIFICATIONS.
4. THE DEPTH OF THE CHANNEL SHALL BE EQUAL TO THE FULL DIAMETER OF THE PIPE.
5. 48" I.D. MANHOLE TO BE USED ON SEWERS WITH A DIAMETER OF 18" OR LESS AND A DEPTH OF 12 FEET OR LESS UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
6. 60" I.D. MANHOLE TO BE USED ON SEWERS WITH A DIAMETER OF 20" OR MORE OR WITH A DEPTH GREATER THAN 12 FEET UNLESS OTHERWISE DIRECTED BY THE CITY ENGINEER.
7. 72" I.D. MANHOLE TO BE USED ON SEWERS WITH A DIAMETER OF 30"
8. THE CROWN ELEVATIONS OF ALL PIPES SHALL BE THE SAME AS THE CROWN ELEVATION OF THE LARGEST PIPE UNLESS OTHERWISE NOTED ON THE DRAWING.
9. FOR MANHOLES LOCATED OUTSIDE PAVED AREAS THE FRAME AND COVER SHOULD BE SET A MINIMUM OF 0.1 FEET ABOVE FINISH GRADE IN SHOULDER AREAS, UNPAVED ROADS OR LANDSCAPED AREAS AND 18" ABOVE UNFINISHED AREAS.
10. MORTAR JOINTS - SUFFICIENT MORTAR SHALL BE APPLIED ACROSS ENTIRE FACE OF JOINT SO THAT WHEN PRECAST UNITS ARE PLACED ON TOP OF ONE ANOTHER, THE MORTAR WILL SQUEEZE OUT BOTH THE INSIDE AND OUTSIDE WALL FACES AROUND FULL CIRCUMFERENCE. JOINTS SHALL BE "POINTED UP" AFTER SETTING PRECAST UNITS EXCLUDING GRADE RINGS. PLASTIC JOINTS - PREFORMED COLD-APPLIED READY-TO-USE PLASTIC JOINT SEALING COMPOUND SHALL BE A QUICK-SEAL. MUST BE USED WHEN GROUND WATER IS ENCOUNTERED.

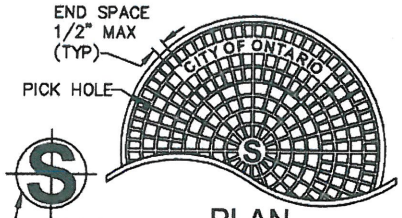


SECTION VIEW

*(NON-REINFORCED MANHOLE)

NOTES

1. ALL MANHOLE COVER MARKINGS SHALL BE RAISED, FLAT FACE LETTERS MARKED BY MEANS OF CAST-IN MOLD LETTERING 1-1/2" X 1/4" X 3/16" (HEIGHT X LINE WIDTH X DEPTH).
2. MANHOLE COVER SHALL BE MANUFACTURED WITH THE LETTER "S" IN THE CENTER OF THE COVER.
3. "CITY OF ONTARIO" SHALL ALSO BE INSCRIBED ON COVER.



PLAN

TOP OF MANHOLE COVER (TRAFFIC SIDE)

REGISTERED PROFESSIONAL ENGINEER
LOUIS ABI-YOUNES
No. 44485
EXP. 03/31/16
CIVIL
STATE OF CALIFORNIA

APPROVED BY:			10.1.15
LOUIS ABI-YOUNES, CITY ENGINEER		44485 RCE	DATE
RECOMMENDED:			9/17/15
DENNIS MEJIA, UTILITIES ENGINEERING DIRECTOR		62268 RCE	DATE
REV	DESCRIPTION	BY	APP'D DATE

CITY OF ONTARIO

SEWER MANHOLE

STANDARD DRAWING NUMBER

2001