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- Diagram illustrating a typical precast manhole section. The section is circular with a diameter of 4'-0". It features a precast hole (typical) at the top, a grout annular space (typical inlet & outlet) around the hole, and a flexible boot with a stainless steel band (typical) at the bottom.

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- TRAFFIC BEARING LOCATION**
- TRAFFIC BEARING VAULT AND H-20 RATED RATCH SHALL BE SIZED IN ACCORDANCE WITH DIMENSIONAL REQUIREMENTS SHOWN BELOW.
- ANGLE DOUBLE CHECK VALVE
BRONZE DISK METER
LOCKABLE SHUTOFF
6" TYP.
3'-0"
- SEE NOTE 5
HATCH SHALL BE BILCO MODEL 13A/H20 (30"X26") OR APPROVED EQUAL
- SEE NOTES 2 & 3
- FINAL GRADE
3'-0"
MIN. 6" STONE VDOT
SEE NOTE 6
MIN. 6" STONE VDOT
TRACER & GROUND WIRES SEE GENERAL DETAIL
- NON TRAFFIC BEARING LOCATION**
- SEE GENERAL DETAIL
- COVER & LID MODEL (OR APPROVED EQUAL)
6" R-15 SERIES FRAME & WORK
DOMESTIC 12.25 GX LD WITH
SERIES RECESSES AND WYMA LID
FOR MC1547 OR
FOR MC2000 2000 T L
GX MC2000W4 7MM30 T
- BRONZE DISK METER
LOCKABLE SHUTOFF
SEE NOTE 5
SEE NOTES 2 & 3
- FINAL GRADE
ANGLE DOUBLE CHECK VALVE
MIN. 6" STONE VDOT
SEE NOTE 6
MIN. 6" STONE VDOT
TRACER & GROUND WIRES SEE GENERAL DETAIL
- | METER BOX DATA | | LID DATA | |
|----------------|--------|----------|--------|
| SIZE | (MIN.) | SIZE | (MIN.) |
| 5/8" | 18" | 18" | 18" |
| 3/4" | 24" | 20" | 20" |
| 1 1/2" | 30" | 20" | 20" |

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- The technical drawings illustrate the Rainwater Harvesting System (RWHS) components and installation details:
- Plan View:** Shows the top-down layout of the system. Key features include:
 - Access Hatch:** To be centered over the piping and ladder.
 - Tapping Saddle and Ball Valve:** With locking tabs.
 - Smooth Hole:** With a link seal (Type of 3).
 - Dip In:** For the detector check (see notes).
 - Double Door Gutter Frame:** H20 rated aluminum access hatch.
 - Recessed Radio Read Pad:** Located in the hatch.
 - 1 1/2" Hatch Drain:** For water removal.
 - 6" TYP. Aluminum Access Ladder:** For vertical access.
 - Type K Copper Out (domestic):** The main output line.
 - Dip Out:** The exit point for the domestic water line.
 - Dimensions:** 8" MIN. for the hatch area and 6" MIN. for the ladder opening.
 - Section View:** Shows the vertical profile of the system. Key features include:
 - 5,000 PSI Reinforced Concrete:** The base structure.
 - 4" Blockout for Drain (Type of 4):** For the gutter frame.
 - Epoxy Coated Steel Pipe:** Support with SS anchors (Type of 4).
 - Domestic Meter:** For water measurement.
 - Check Valve:** To prevent backflow.
 - Domestic Meter Lock-Pak Meter Coupling:** For secure connection.
 - Section View:** Shows the internal components and their vertical alignment.

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G-1

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- EXISTING PAVEMENT SECTION
- LIMITS OF OPEN CUT
- SURFACE MIX ASPHALT
BASE MIX ASPHALT
SUBBASE
- BACKFILL ONLY WITH APPROVED MATERIAL PER APPLICABLE LOCALITY OR ROOT STANDARDS
- PIPE SIZE & MATERIAL AS SHOWN ON PLAN
- SEE BEDDING NOTE BELOW
- NON-DETECTABLE WARNING TAPE, 2" TO 5 MILS IN THICKNESS, TO BE INSTALLED APPROX. 24" ABOVE PIPE AND AT A MINIMUM OF 6" BELOW GRADE (ALL PIPE)
- DEPTH VARIES
- (6" IN ROCK CONDITIONS)
- 4"
- WIDTH OF TRENCH EXCAVATION
PIPE DIA. + 18" EACH SIDE (MINIMUM)
- LOCATION OF TRACER WIRE WITH NON-METALLIC PRESSURE PIPE
TRACER WIRE NOT REQUIRED FOR TYPICAL GRAVITY SANITARY SEWER.
SEE DETAIL G-4
- BEDDING:** FOR WATERLINES, INSTALL BEDDING STONE TO SPRING LINE OF PIPE AT A MINIMUM, OR PER MANUFACTURER'S RECOMMENDATION. FOR SEWER LINES, BEDDING SHALL BE MINIMUM 6" ABOVE PIPE.

3-1

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- PROPOSED SANITARY LATERAL PROFILE**
 1" = 20' Horizontal
 1" = 5' Vertical

PROPOSED SANITARY LATERAL PROFILE
 1" = 20' Horizontal
 1" = 5' Vertical

- PROPOSED SANITARY MAIN PROFILE**
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PROPOSED SANITARY MAIN PROFILE
 1" = 20' Horizontal
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