

NOTES:

1. MINIMUM 5' DIAMETER MANHOLE.
2. ALL D.I.P TO BE 401 EPOXY COATED.
3. STAINLESS STEEL FASTENERS TO GRADE 310.
4. DISCHARGE OUTLET SHALL NEVER BE BELOW CROWN OF DOWNSTREAM PIPE.

DETAIL NO.

A1403

Avondale
STANDARD DETAIL

**FORCE MAIN DISCHARGE
MANHOLE**

APPROVED BY:

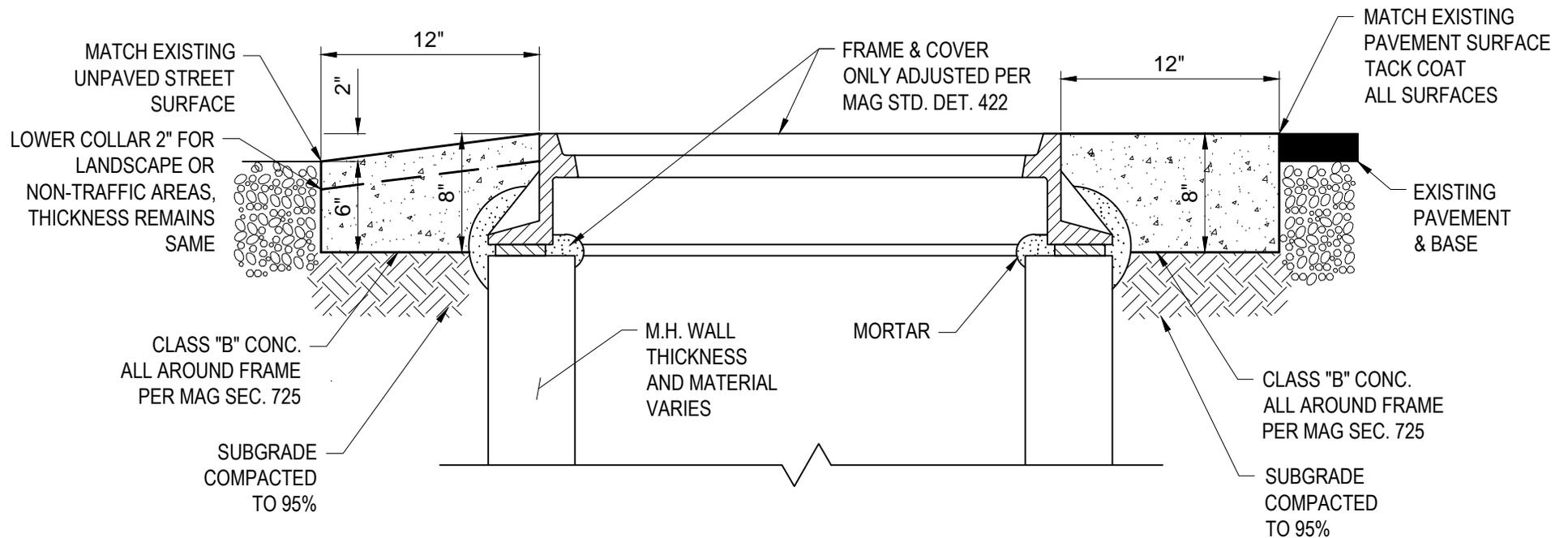
DATE:

David S. Jones
8.24.16

M.H. FRAME AND COVER

UNPAVED LOCATIONS

PAVED LOCATIONS



NOTES:

1. THE ACCEPTABLE SURFACE PROFILE FROM THE PAVEMENT SURFACE ACROSS THE MANHOLE SHALL NOT VARY MORE THAN $\frac{1}{4}$ " FROM THE LOWER EDGE OF A 12 FOOT STRAIGHT EDGE WHEN THE STRAIGHT EDGE IS PLACED PARALLEL AND PERPENDICULAR TO THE CENTERLINE OF THE ROADWAY.

DETAIL NO.

A1422

Avondale
STANDARD DETAIL

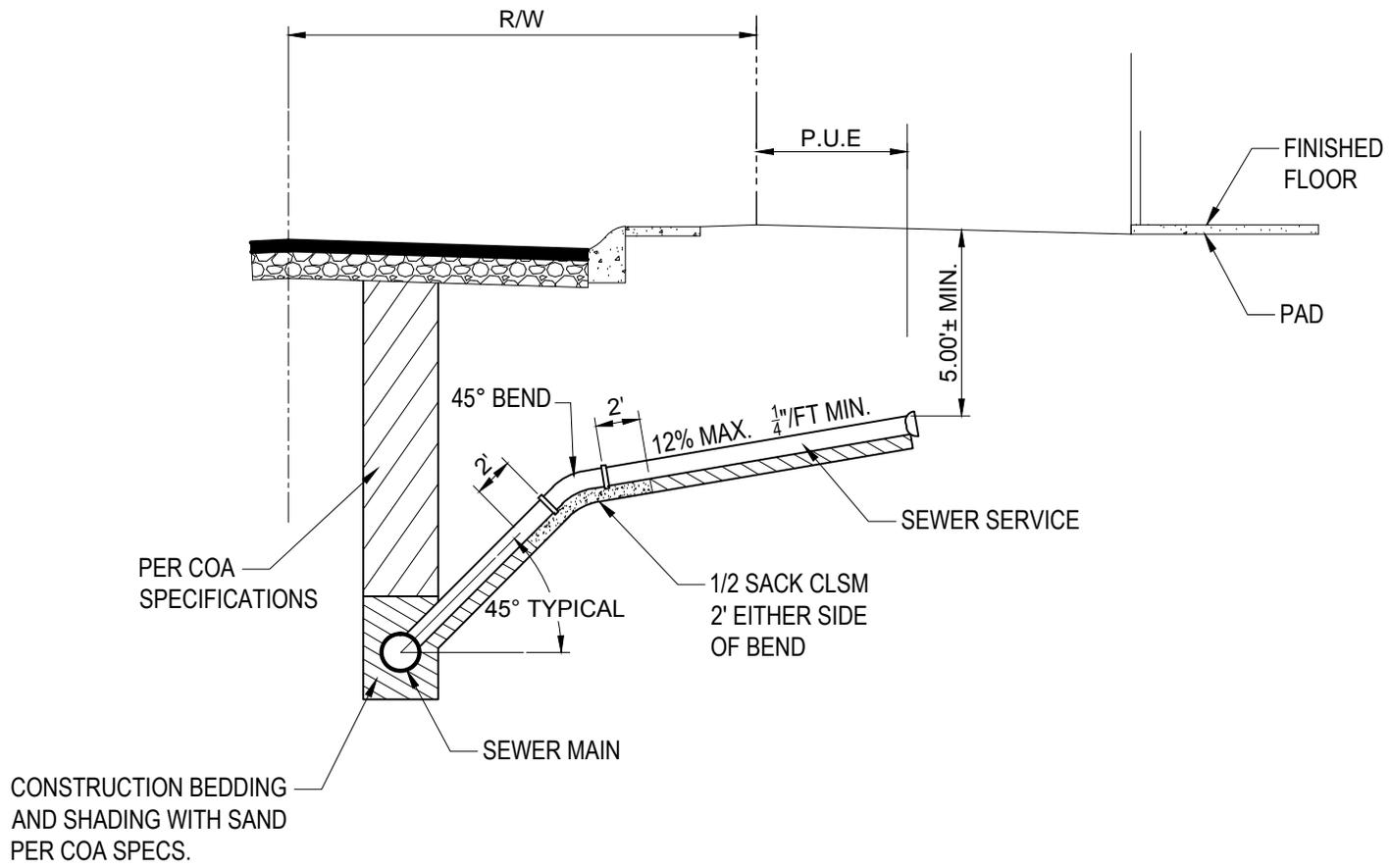
**MANHOLE FRAME
ADJUSTMENT**

APPROVED BY:

David S. Jones

DATE:

8.24.16



DETAIL NO.

A1426

Avondale
STANDARD DETAIL

**DEEP SEWER SERVICE
CONNECTION**

APPROVED BY:

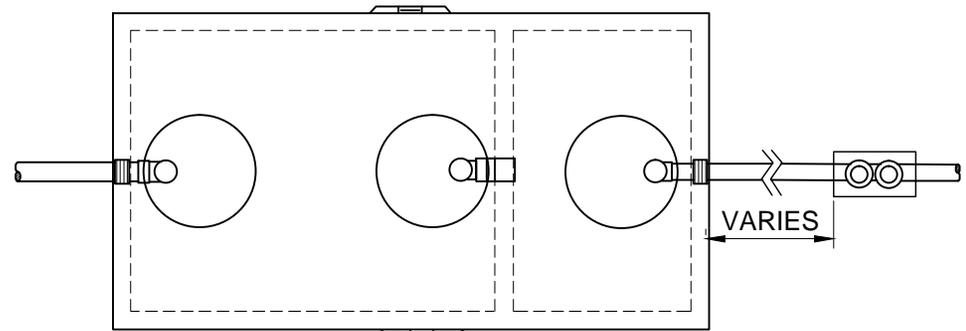
David S. Jones

DATE:

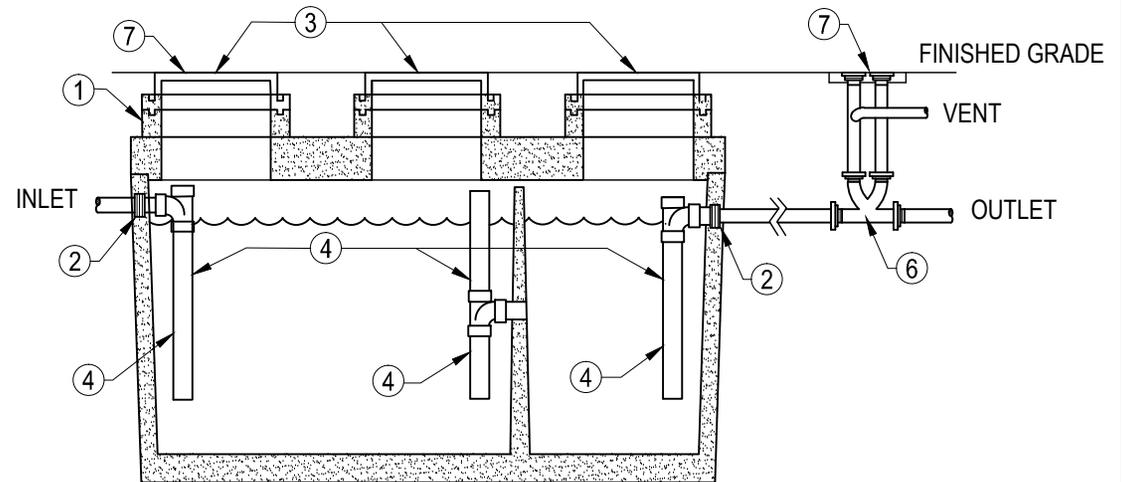
8.24.16

NOTES:

- ① ALL GRADIENT RISERS, INCLUDING THE MANHOLE FRAME WILL HAVE THE INTERIOR SEALED WITH NON-SHRINK GROUT
 - ② PIPE CONNECTIONS SHALL BE FLEXIBLE CONNECTIONS AND COMPLY WITH ASTM C923 OR ASTM C1644 FOR PRECAST INTERCEPTORS; OR SECTION 7 OF C923 OR ASTM C1644 FOR MATERIALS OTHER THAN PRECAST CONCRETE.
 - ③ MANHOLE, FRAME, COVER, AND COLLAR MUST BE WATERTIGHT (GASKETED), ANCHORED, DOES NOT SLIDE, AND SUPPORTS ANTICIPATED LOADS. REFERENCE M.A.G. DETAILS A1422 AND 424-1.
 - ④ INLET, OUTLET, AND BAFFLE PLUMBING: MUST BE OPEN TOPPED, 12" DISTANCE FROM INTERNAL FLOOR TO END OF PIPE AND EXTEND 5" ABOVE THE LIQUID LEVEL. INTERNAL PIPING SHALL BE 4" DIAMETER.
 - ⑤ CONSTRUCTION & SPECIFICATIONS TO MOST CURRENT REVISIONS OF ASTM C1613/ ASTM F2649/IAPMO/ANSI Z1001
 - ⑥ 2-WAY CLEANOUT ON THE OUTLET LINE. VENT INTERCEPTOR TO ROOF.
 - ⑦ WATER TEST AND REPAIR: INSPECTED BY CITY OF AVONDALE PRETREATMENT COORDINATOR PER ASTM C1613; IAPMO Z1001 OR NPCA BEST PRACTICES GUIDELINES.
 - ⑧ ACCESS: MINIMUM 2: ON LARGER SIZES EACH PLUMBING FITTING (INLET, BAFFLE AND OUTLET) SHALL HAVE THE REQUIRED AND STIPULATED ACCESS OPENING, RISERS AND COVERS.
- SUITABLE SUB-BASE BEDDING WITH GRANULAR MATERIAL SHALL BE PREPARED TO HANDLE ANTICIPATED LOADS.
- ⑨ REFERENCE "COA SUPPLEMENT TO MAG UNIFORM STANDARD SPECIFICATIONS AND DETAILS FOR PUBLIC WORKS CONSTRUCTION" FOR SIZING REQUIREMENTS, SECTION 615 SEWER LINE CONSTRUCTION.



TOP VIEW
(COVERS & RINGS REMOVED)



SIDE SECTION VIEW

DETAIL NO.

A1450

Avondale
STANDARD DETAIL

**TYPICAL GRAVITY/SOLIDS
INTERCEPTOR**

APPROVED BY:

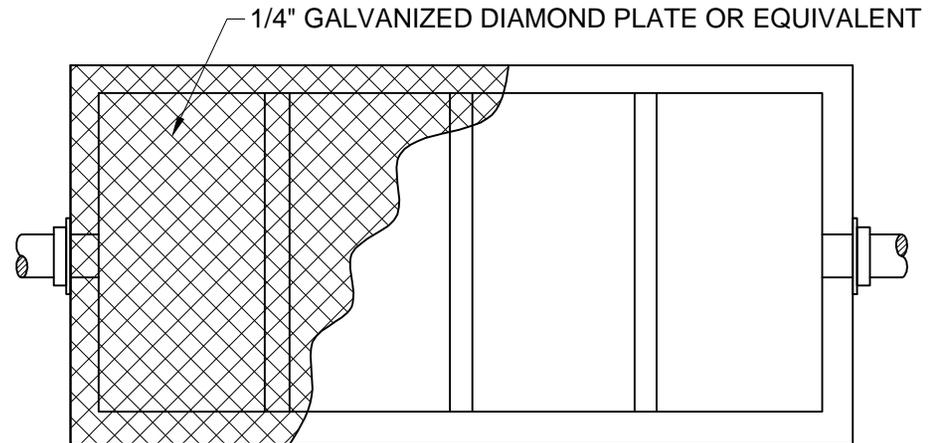
David S. Jones

DATE:

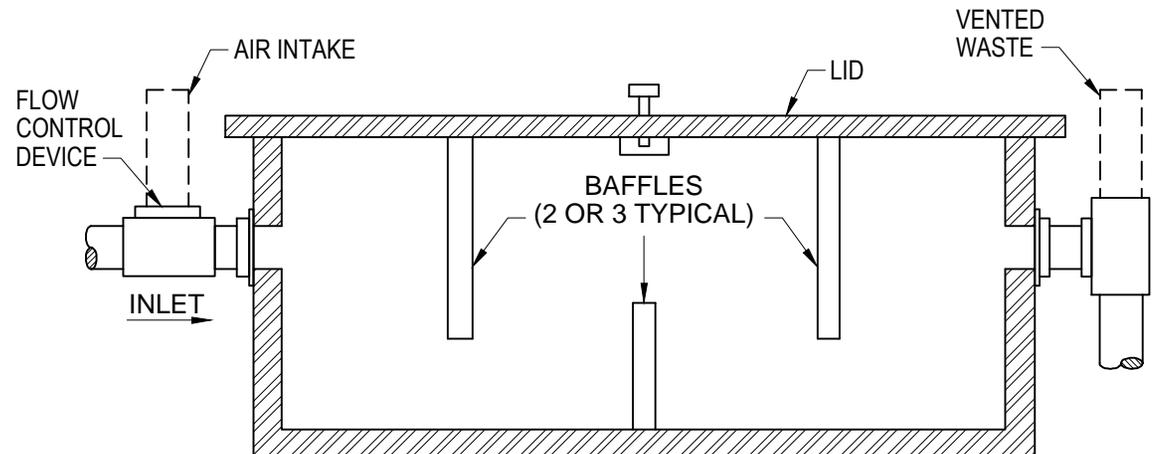
8.24.16

NOTES:

1. PERFORMANCE STANDARDS: MUST BE CERTIFIED PER (PDI) G-101 / ASME A112.14.3 / CSA B481 OR MOST CURRENT REVISIONS .
2. A FLOW CONTROL DEVICE MUST BE INSTALLED TO MANUFACTURES' SPECIFICATION ON THE INLET PIPE PRIOR TO ENTERING THE HYDROMECHANICAL GREASE INTERCEPTOR (HGI). FLOW CONTROL MUST BE ACCESSIBLE FOR MAINTENANCE.
3. HGI MAY BE INSTALLED ABOVE GROUND OR BELOW FLOOR GRADE.
4. HGI MUST BE EASILY ACCESSIBLE FOR INSPECTION AND MAINTENANCE.
5. FILL WITH CLEAN WATER PRIOR TO START UP.
6. HGI MUST BE INSPECTED PRIOR TO BACKFILL BY AVONDALE PUBLIC WORKS DEPARTMENT.
7. USE AND SIZE TO BE APPROVED BY AVONDALE PUBLIC WORKS DEPARTMENT- INSPECTED BY PRETREATMENT COORDINATOR.
8. REFERENCE "COA SUPPLEMENT TO MAG UNIFORM STANDARD SPECIFICATIONS AND DETAILS FOR PUBLIC WORKS CONSTRUCTION" FOR SIZING REQUIREMENTS, SECTION 615 SEWER LINE CONSTRUCTION.
9. PROPER AIR CONTROL IS CRITICAL TO THE OPERATION OF AN HGI. AIR INTAKE ON THE INLET AND VENTED WASTE ON THE OUTLET.



PLAN VIEW



SECTION

DETAIL NO.

A1451

Avondale
STANDARD DETAIL

**TYPICAL HYDROMECHANICAL
GREASE INTERCEPTOR (HGI)**

APPROVED BY:

Daniel S. Jones

DATE:

8.24.16