

1/2" SAN SERIF BOLD -FLAT FACE LETTERS

- 1. DESIGN IN ACCORDANCE WITH AASHTO, 17th EDITION AND ACI 350.
- 2. DESIGN LOAD HS25.
- 3. EARTH COVER = 1' MAX.
- 4. CONCRETE STRENGTH = 4,000 psi
- 5. REINFORCING STEEL = ASTM A615, GRADE 60.

30"x4" REVERSIBLE FRAME & SOLID COVER

ENGINEERED SOLUTIONS www.ContechES.com

◄ 26 9/16" —

COVER SECTION

— 33 1/8**"** –

FRAME SECTION

1 3/8"

6. PROVIDE ADDITIONAL REINFORCING AROUND OPENINGS EQUAL TO THE BARS INTERRUPTED, HALF EACH SIDE. ADDITIONAL BARS TO BE IN THE SAME

-BLANK TAG AREA

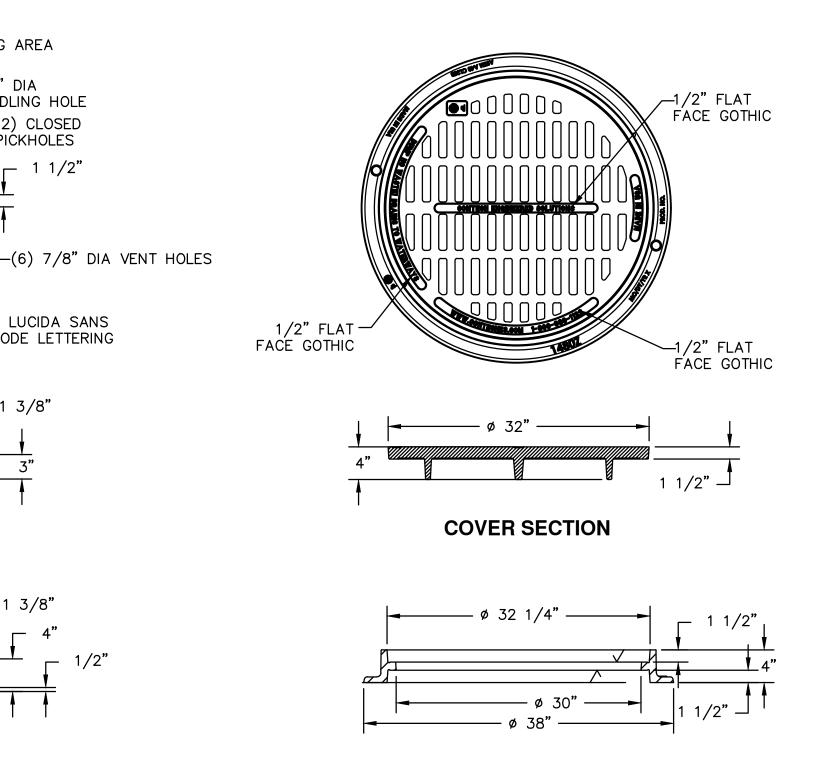
HANDLING HOLE

(2) CLOSED PICKHOLES

1/2" LUCIDA SANS

UNICODE LETTERING

30"x4" REVERSIBLE FRAME & GRATE



FRAME SECTION

SEE NOTE 6.

- 7. TRIM OPENING WITH DIAGONAL #4 BARS, EXTEND BARS A MINIMUM OF 12" BEYOND OPENING, BEND BARS AS REQUIRED TO MAINTAIN BAR COVER.
- 8. PROTECTION SLAB AND ALL MATERIALS TO BE PROVIDED AND INSTALLED BY CONTRACTOR.
- 9. DETAIL DESIGN BY DELTA ENGINEERS, ARCHITECTS AND LAND SURVEYORS, ENDWELL, NY.

-1 1/4" x 1 1/4" x 1/4" RISER STUB -STEEL ANGLE FULLY WELDED (TYP.) OR BOLT ALL STEEL PER ASTM A36 *-* 1 1/4" x 1 1/4" x 1/4" STEEL STEEL ANGLE (TYP.) WELD OR BOLT TO END WALL (TYP.) 19 3/4" 1. ALL JOINTS IN THE UNDERGROUND RETENTION STORAGE TANKS SYSTEM WILL BE WATER-TIGHT, MANUFACTURED JOINTS. 1" STEEL ROD FULLY WELDED END WALL OF (TYP.) STORAGE TANK -1 1/4" x 1 1/4" x 1/4" STEEL STEEL ANGLE (TYP.)



PROVIDE CONCRETE COLLARS, PER

RISER EXTENSION -

WELD OR BOLT TO

MANHOLE RISER

LOCATED IN PAVEMENT AREAS OR

SUBJECT TO WHEEL LOADS. —

C-401, FOR ALL MANHOLES

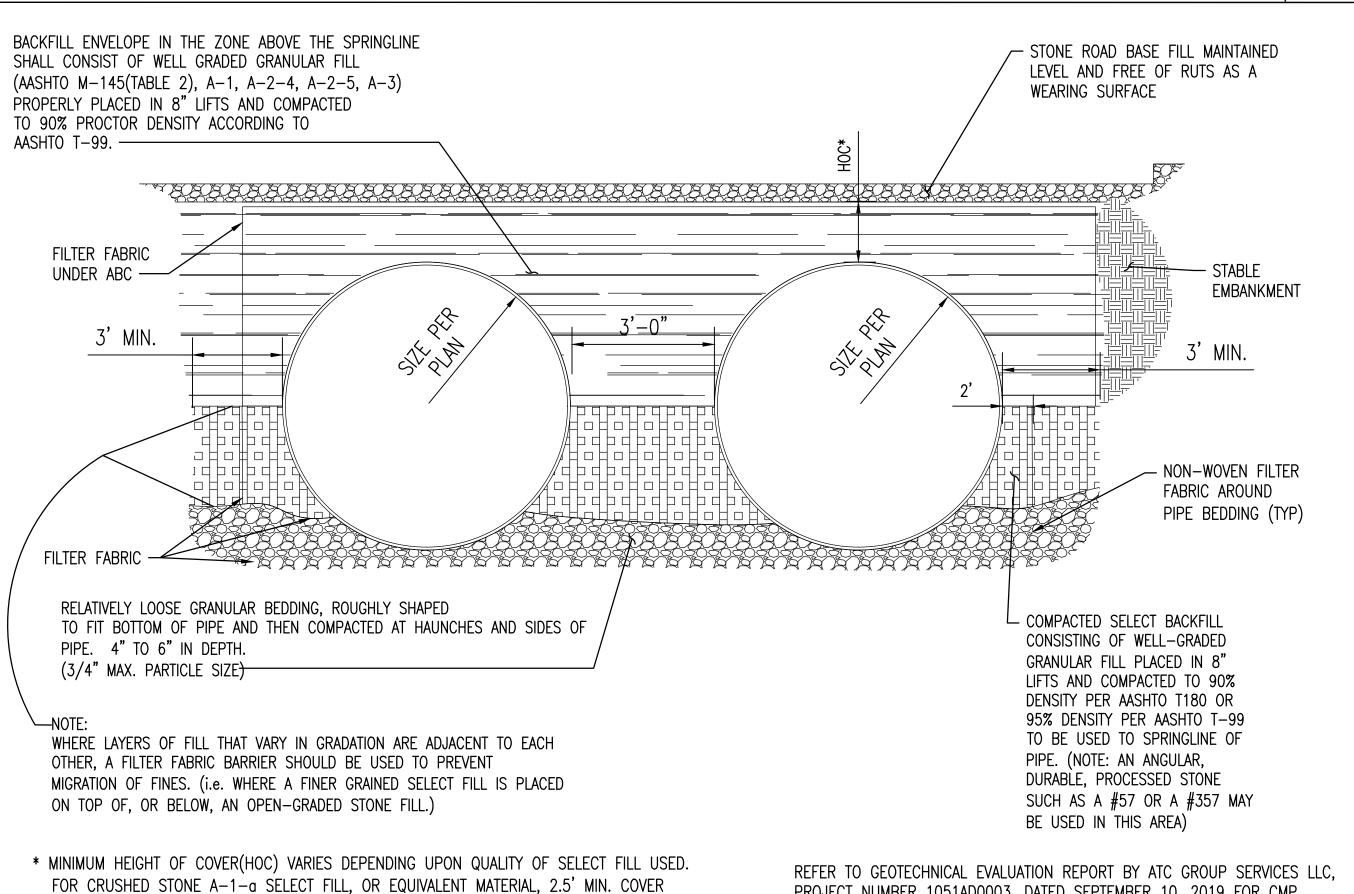
RISER EXTENSION -



* IN FIELD WELD OR BOLT

TO MANHOLE RISER

4"x4"x3/16" STEEL PLATE





COVER IS REQUIRED TO BOTTOM OF BASE COURSE WEARING SURFACE.

TO THE BOTTOM OF BASE COURSE IS REQUIRED. FOR OTHER SELECT FILL MATERIAL, 3' MIN.



PROJECT NUMBER 1051AD0003, DATED SEPTEMBER 10, 2019 FOR CMP

GAUGING AND COATING RECOMMENDATIONS.

DRAINAGE DETAILS

201015

GRADING AND

FAKIH

SUSTAINABILITY ENGINEERING GROUP

spoo

Desert

Contact Arizona 311 at least two full

Call 811 or elick Arizona811.com

DS 10/21/2022 LR/DS 10/21/2022

SC 10/21/2022 LA 10/25/2022

DATE:

PROJ. MGR. — AF 10/25/2022

10/25/2022

PERMITS

ISSUED FOR:

REVISION NO .:

C3.13 11 OF 18

CONTECH RISER DETAIL

18