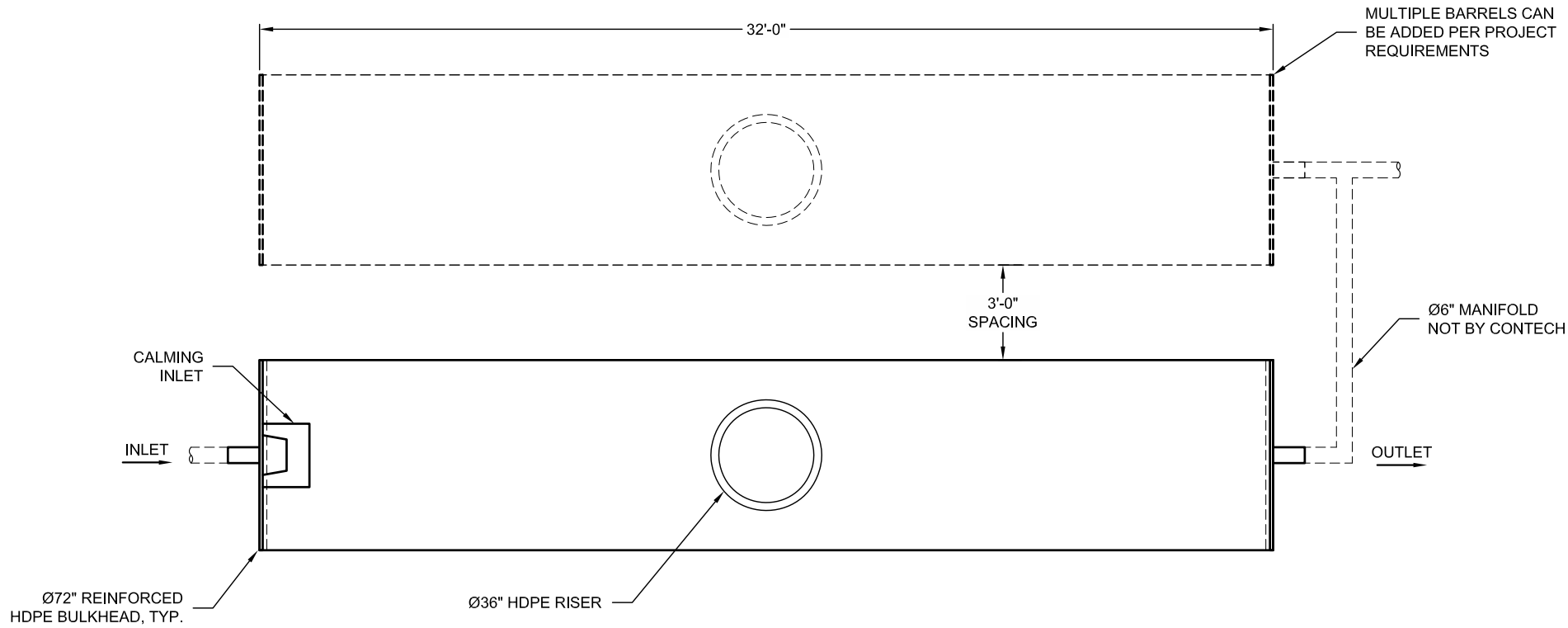
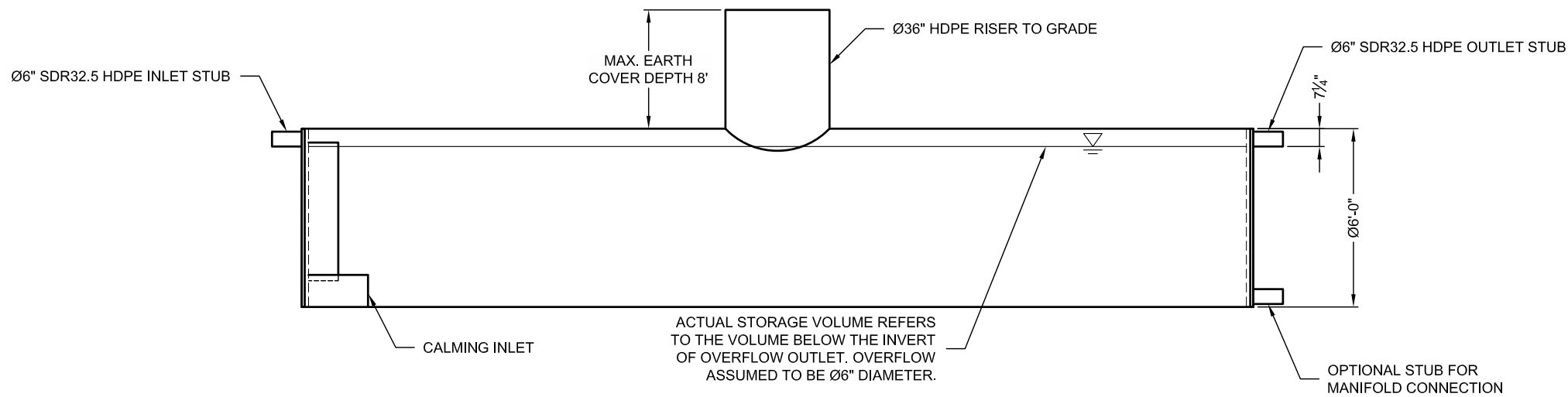


\\COMMONCADD\TREATMENT\68_URBANGREEN RAINWATER HARVESTING\40 STANDARD DRAWINGS\SRPE\INDIVIDUAL STANDARD DETAILS\DWG\URWH SRPE 72 INCH 6500 GAL CISTERNDWG 7/27/2016 1:12 AM



PLAN VIEW



ELEVATION VIEW

ASSEMBLY

SCALE: 1" = 5'

TOTAL CISTERN VOLUME: 6,563 GAL. (877 C.F.)

ACTUAL STORAGE VOLUME: 6,214 GAL.

ESTIMATED HEAVIEST PICK WEIGHT= 2,750 LBS.

LOADING: H20/H25

NOTES

- MULTIPLE TANK LAYOUTS AVAILABLE.
- ALL FITTINGS AND REINFORCEMENT COMPLY WITH ASTM D3350.
- ALL RISERS AND STUBS ARE HIGH DENSITY POLYETHYLENE UNLESS OTHERWISE NOTED.
- RISERS TO BE FIELD TRIMMED TO GRADE.
- FLOTATION CONTROL IS CRITICAL AND THE RESPONSIBILITY OF THE INSTALLER. THE INFORMATION IS SUBMITTED AS A GUIDELINE ONLY. CONTECH IS NOT RESPONSIBLE FOR THE USE AND INTERPRETATION OF THIS INFORMATION.
- ALL TANKS ARE TESTED FOR WATERTIGHTNESS PRIOR TO SHIPMENT.

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CONTECH

ENGINEERED SOLUTIONS LLC

www.ContechES.com

9025 Centre Pointe Dr., Suite 400, West Chester, OH 45069

800-338-1122 513-645-7000 513-645-7993 FAX

URBANGREEN



Ø72" URBANGREEN RWH SRPE CISTERN

Ø72" X 32' LONG

6,500 GAL

PROJECT No.: ----	SEQ. No.: ----	DATE: 2/10/16
DESIGNED: DRA	DRAWN: ASB	APPROVED:
CHECKED:	APPROVED:	
SHEET NO.: 1	OF 4	

PROJECT No.: ----	SEQ. No.: ----	DATE: 2/10/16
DESIGNED: DRA	DRAWN: ASB	
CHECKED:	APPROVED:	
SHEET NO.: 2 OF 4		

TRAFFIC RATED FRAME & GRATE OR METAL PLATE & FRAME, NOT BY CONTECH SHALL BE SEPARATE FROM RISER TO PREVENT ANY LIVE LOADS BEING DIRECTED ONTO RISER

REINFORCED CONCRETE COLLAR BY OTHERS TO PREVENT LIVE LOADS FROM BEING IMPOSED ON RISER

TYPICAL BACKFILL AS SHOWN ON BACKFILL DETAIL

HDPE RISER PIPE

FINISHED GRADE

3'-0" MIN

GASKET MATERIAL SUFFICIENT TO PREVENT SLAB FROM BEARING ON RISER TO BE PROVIDED BY CONTRACTOR.

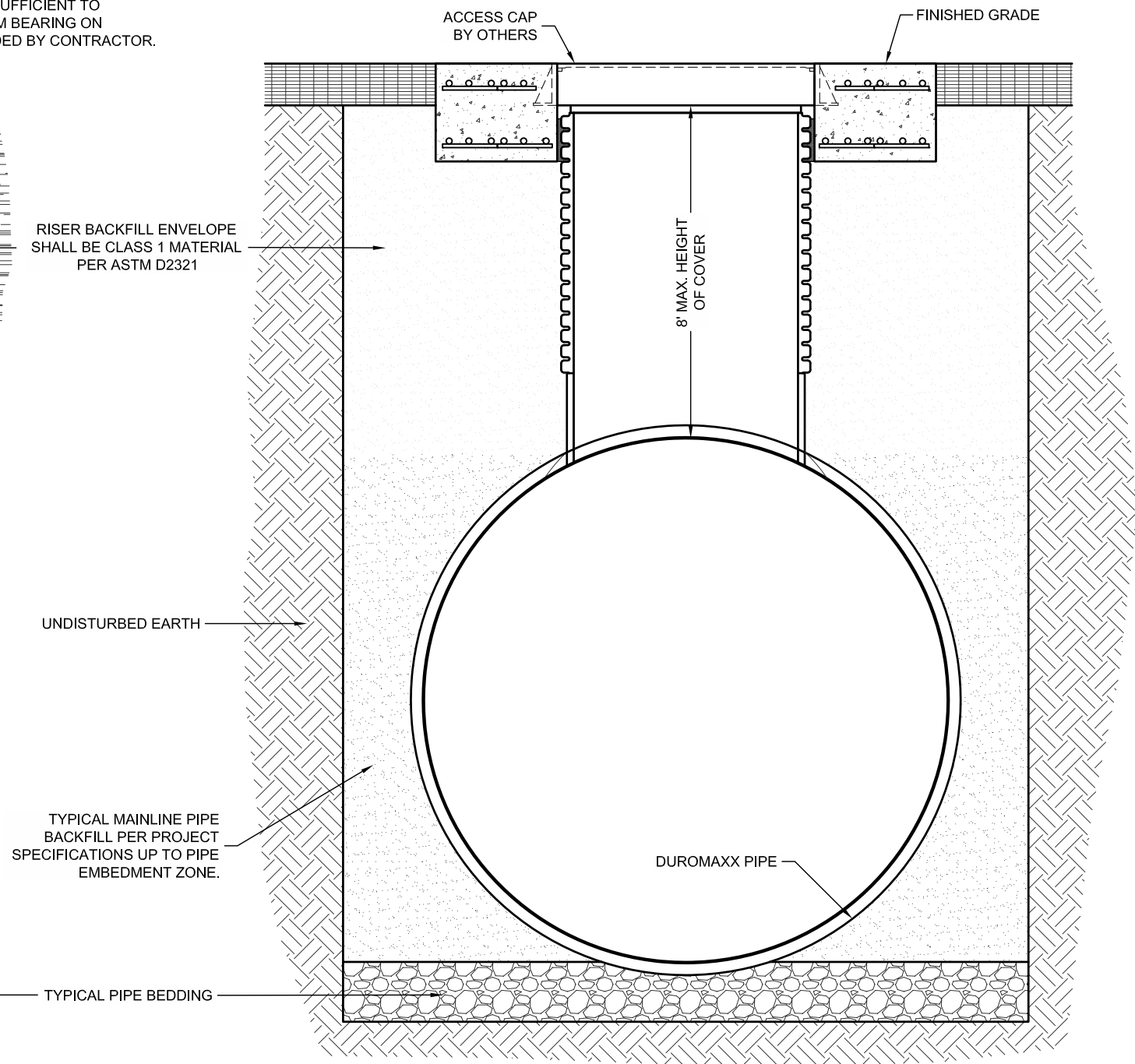
RISER BACKFILL SHALL BE CLASS PER ASTM

UNDISTURBED E

TYPICAL MAINL BACKFILL PER F SPECIFICATIONS UP EMBEDMEN

TYPICAL PIPE B

DUROMAXX PIPE



2 STANDARD RISER INSTALLATION DETAIL
3 SCALE: N.T.S.

[illegible]URBANGREEN™ 

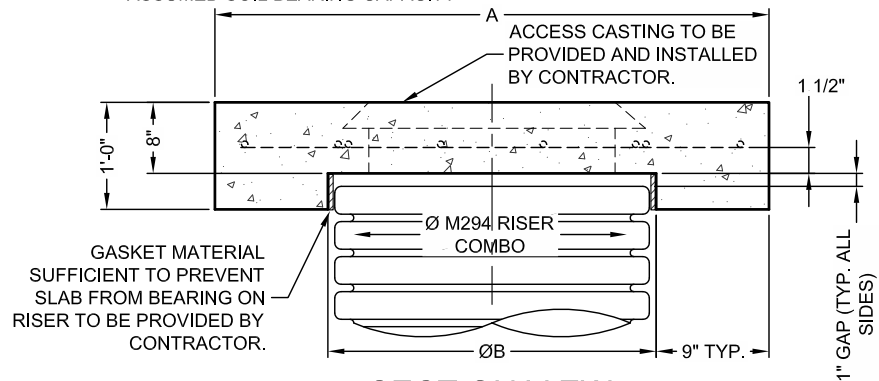
Ø72" URBANGREEN RWH SRPE CISTERN
Ø72" X 32' LONG
6,500 GAL

PROJECT No.: ----	SEQ. No.: ----	DATE: 2/10/16
DESIGNED: DRA	DRAWN: ASB	
CHECKED:	APPROVED:	
SHEET NO.: 3 OF 4		

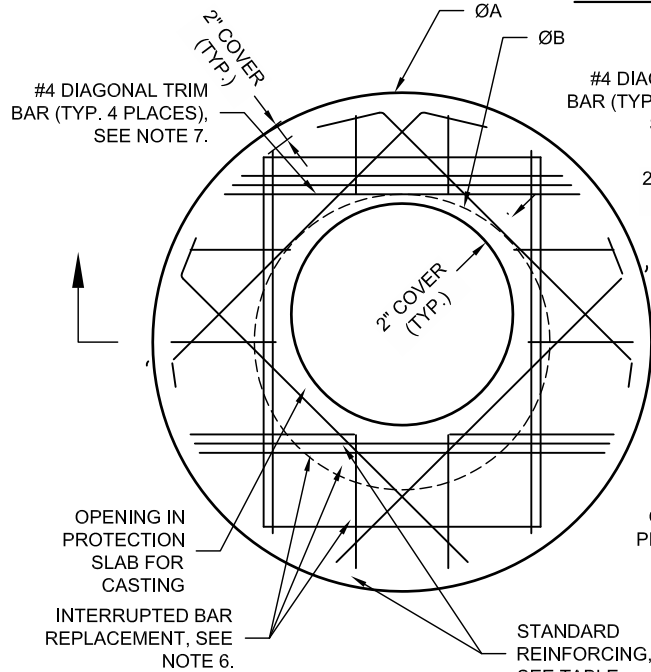
\\COMMONCADD\TREATMENT\68_URBANGREEN RAINWATER HARVESTING\40 STANDARD DRAWINGS\SRPE\INDIVIDUAL STANDARD DETAILS\DWG\URWH SRPE 72 INCH 6500 GAL CISTERNDWG 7/27/2016 1:12 AM

REINFORCING TABLE				
RISER Ø	A	Ø B	REINFORCING	**BEARING PRESSURE (PSF)
36"	Ø 5'-0" 5'-0" X 5'-0"	42"	#4 @ 9" OCEW #4 @ 7" OCEW	2,410 1,660

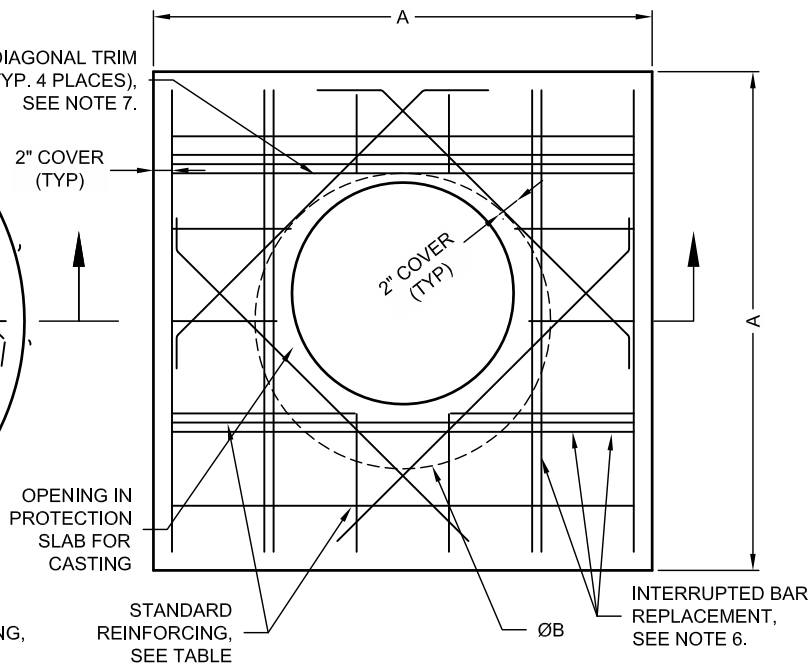
** ASSUMED SOIL BEARING CAPACITY



SECTION VIEW



ROUND OPTION PLAN VIEW



SQUARE OPTION PLAN VIEW

NOTES:

1. DESIGN IN ACCORDANCE WITH AASHTO, 17th EDITION.
2. DESIGN LOAD HS25.
3. EARTH COVER = 1' MAX.
4. CONCRETE STRENGTH = 3,500 psi
5. REINFORCING STEEL = ASTM A615, GRADE 60.

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

3 MANHOLE CAP DETAIL
4 SCALE: N.T.S.

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Ø72" X 32' LONG
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PROJECT No.: ----	SEQ. No.: ----	DATE: 2/10/16
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CHECKED:	APPROVED:	
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