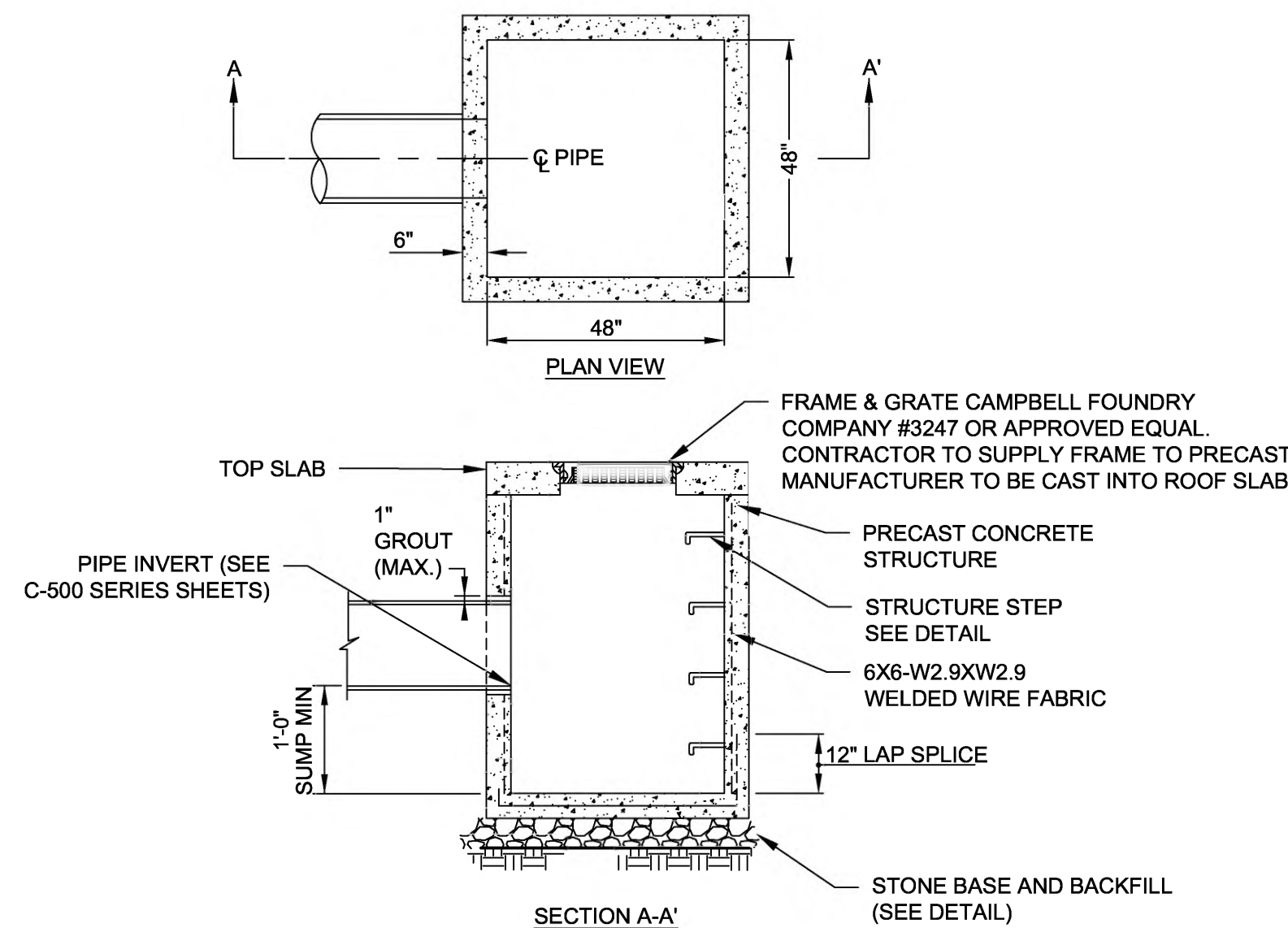


NOTES:

- STRUCTURES SHALL BE DESIGN TO ACCOMMODATE MULTIPLE INCOMING/OUTGOING PIPES OF VARIOUS SIZES. CONTRACTOR TO SUBMIT SHOP DRAWINGS TO ENGINEER APPROVAL.
- PRECAST COMPANY TO DESIGN THE STRUCTURES FOR HS-20 LOADING (I.E. REINFORCING, TOP SLAB, ETC.), CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR ENGINEER'S APPROVAL.

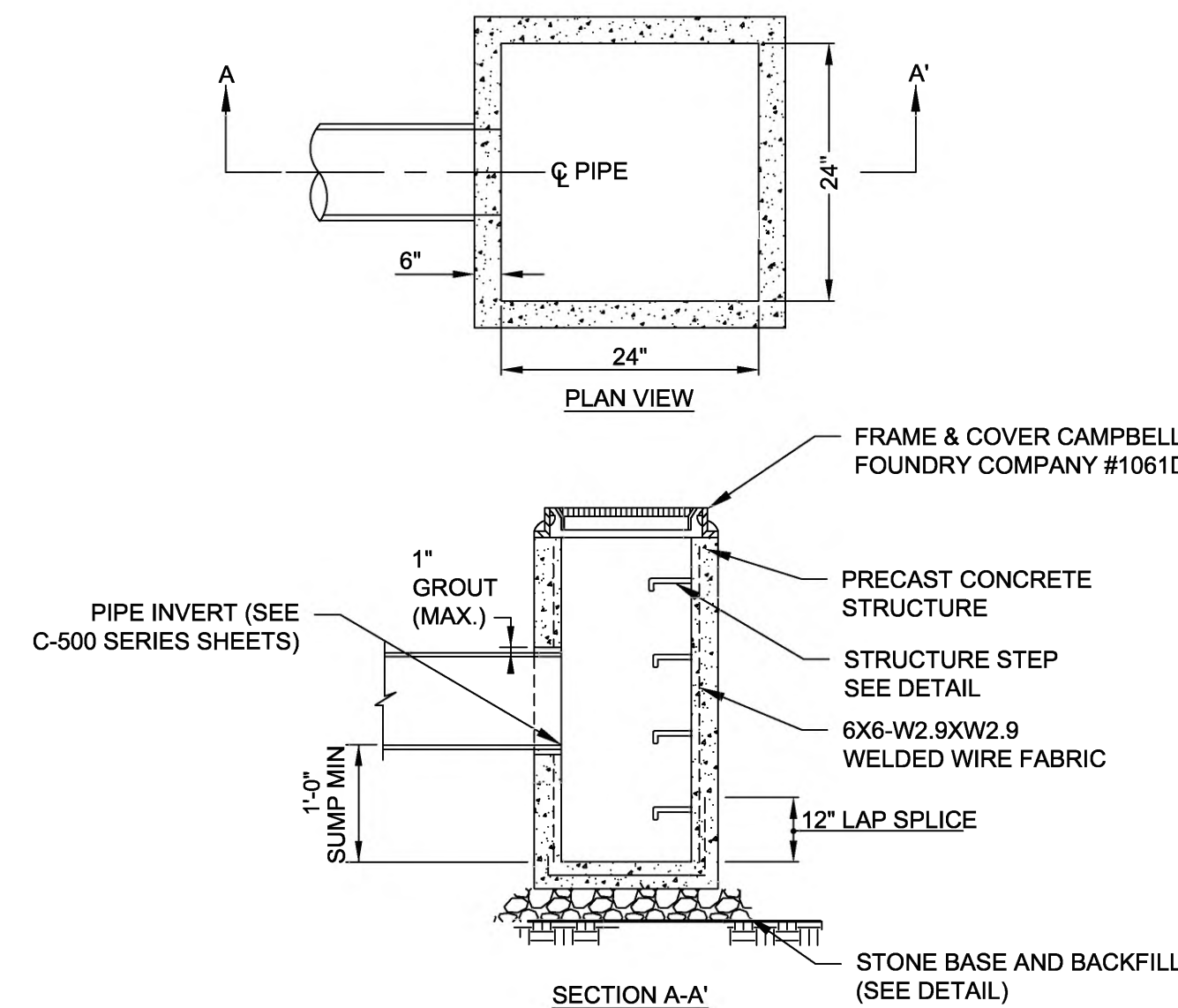
1 PRECAST 4'X4' CATCH BASIN / MANHOLE DETAIL  
N.T.S.



NOTES:

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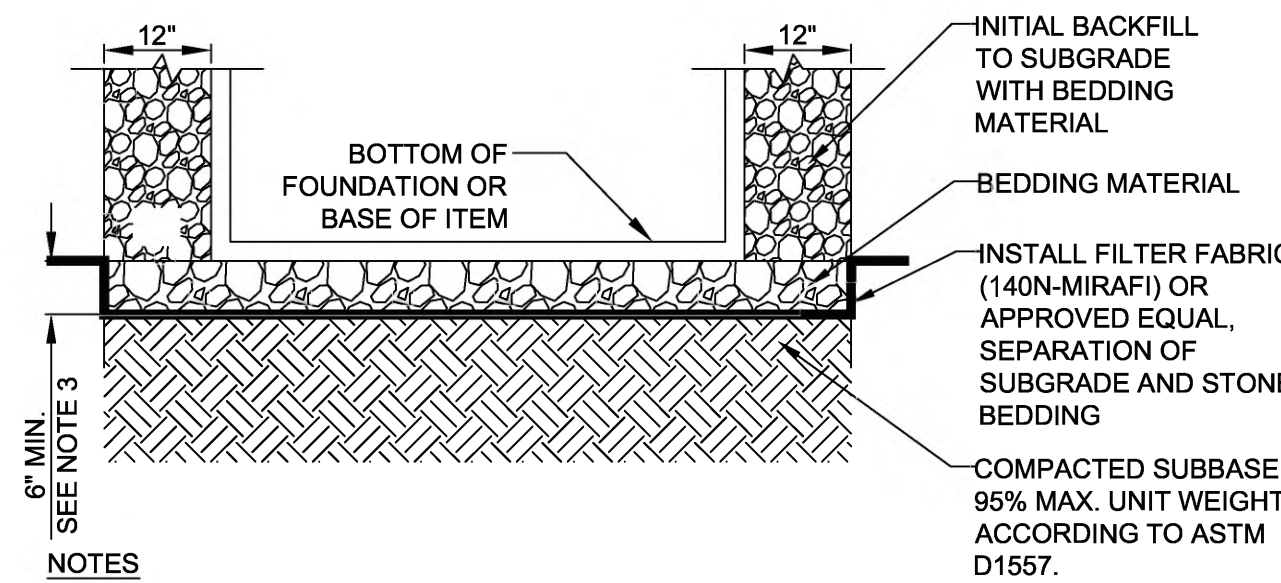
2 PRECAST 4'X4' OCS BIO-1  
N.T.S.



NOTES:

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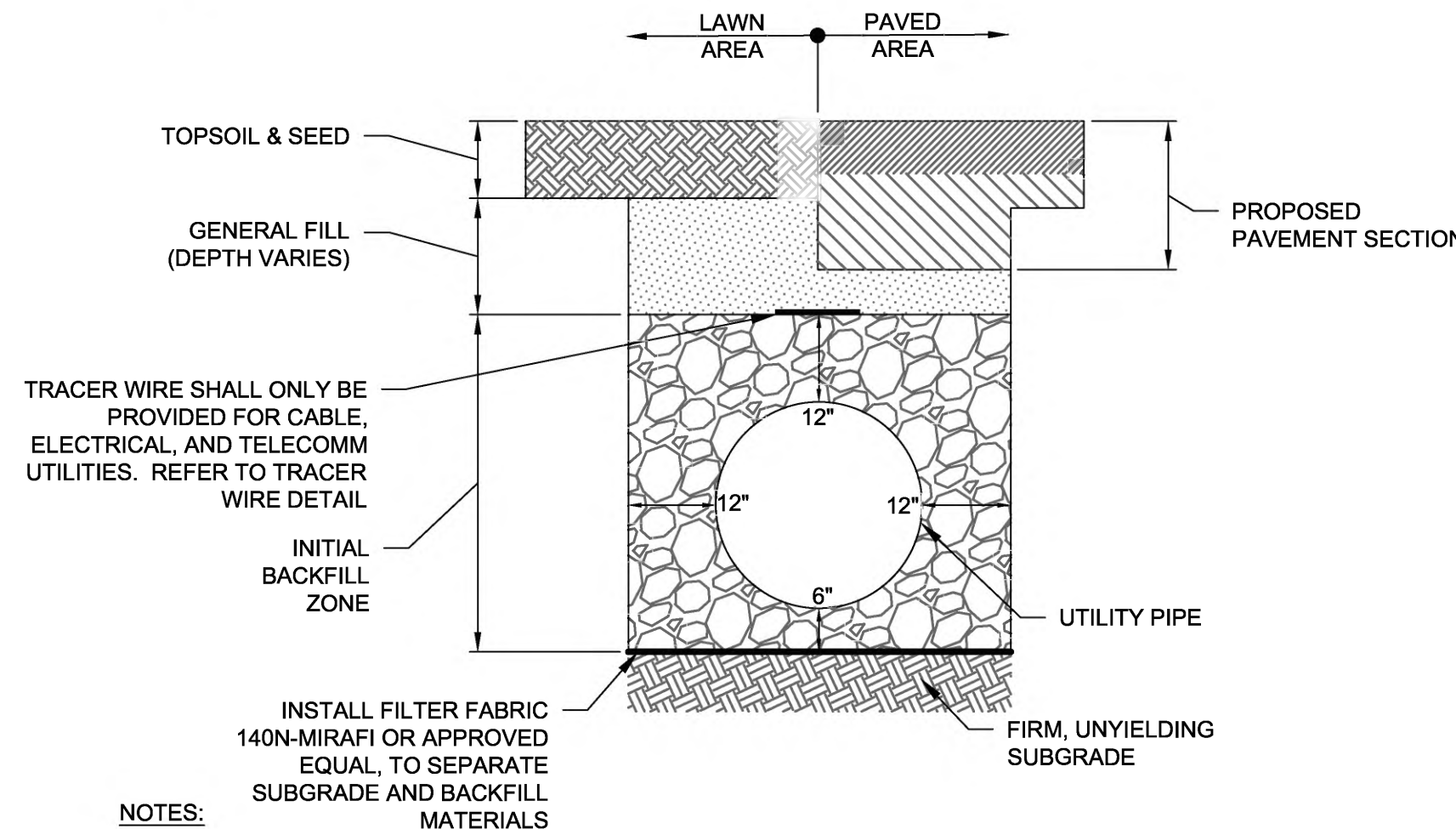
3 PRECAST 2'X2' MANHOLE DETAIL  
N.T.S.



NOTES:

- THE CONTRACTOR SHALL APPLY THE STONE BEDDING UNDER THE FOUNDATION OR BASE FOR STRUCTURES AND EXTEND 12\"/>

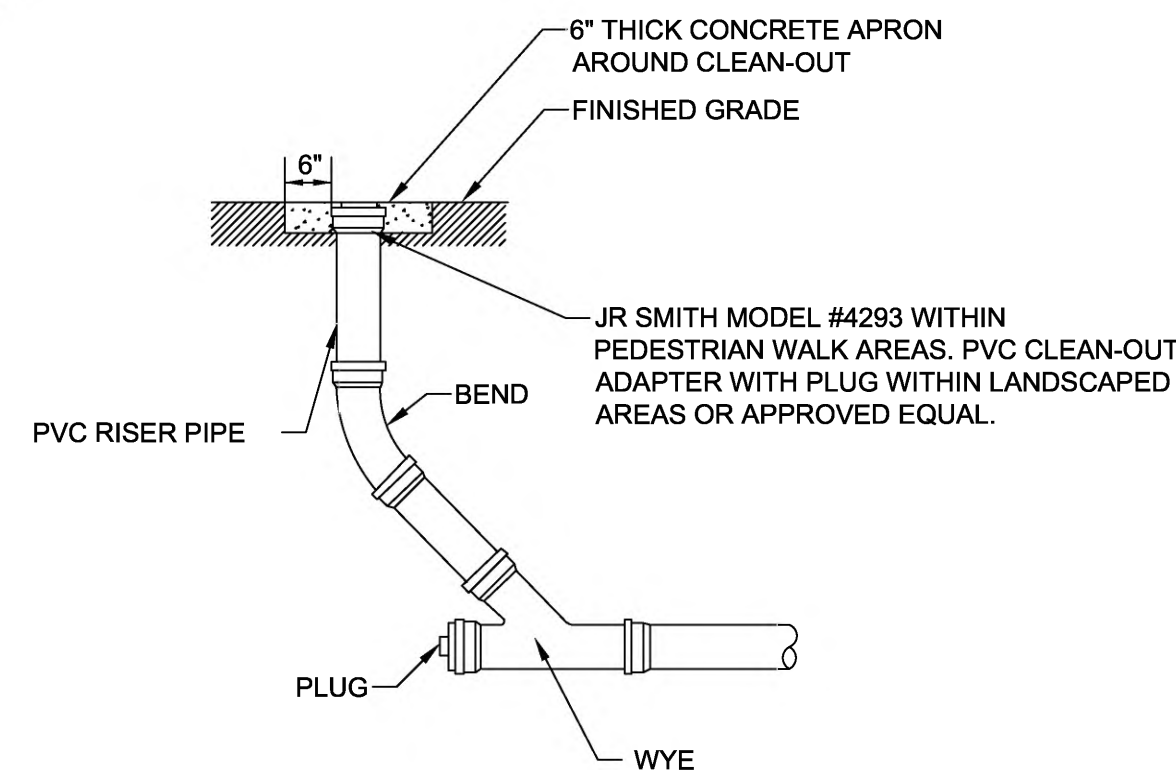
4 STONE BASE AND BACKFILL DETAIL FOR STRUCTURES  
N.T.S.



NOTES:

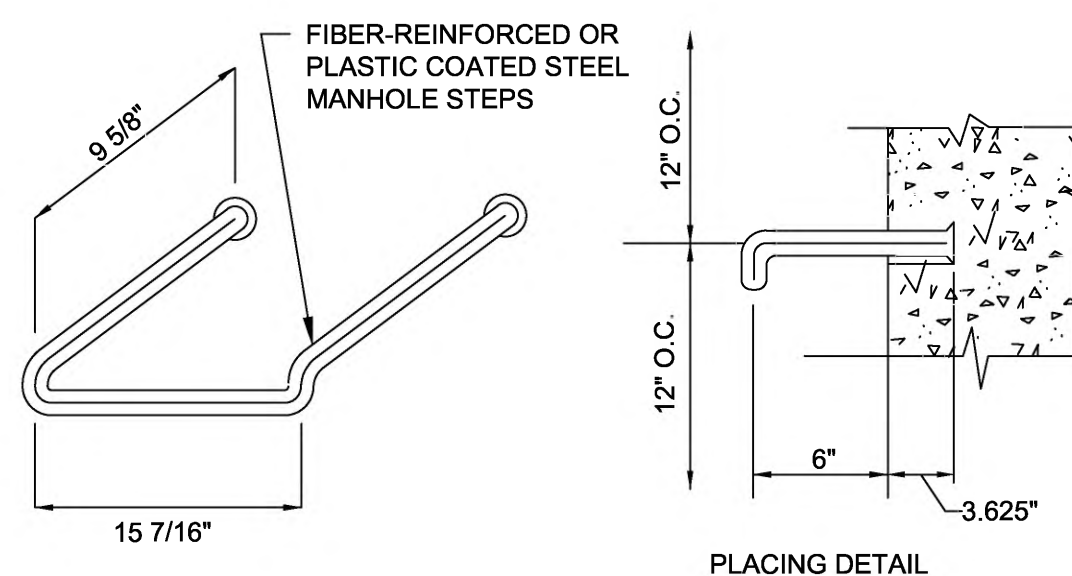
- INITIAL BACKFILL ZONE SHALL BE 3/4\"/>

5 TYPICAL UTILITY, STORM, & SANITARY TRENCH DETAIL  
N.T.S.



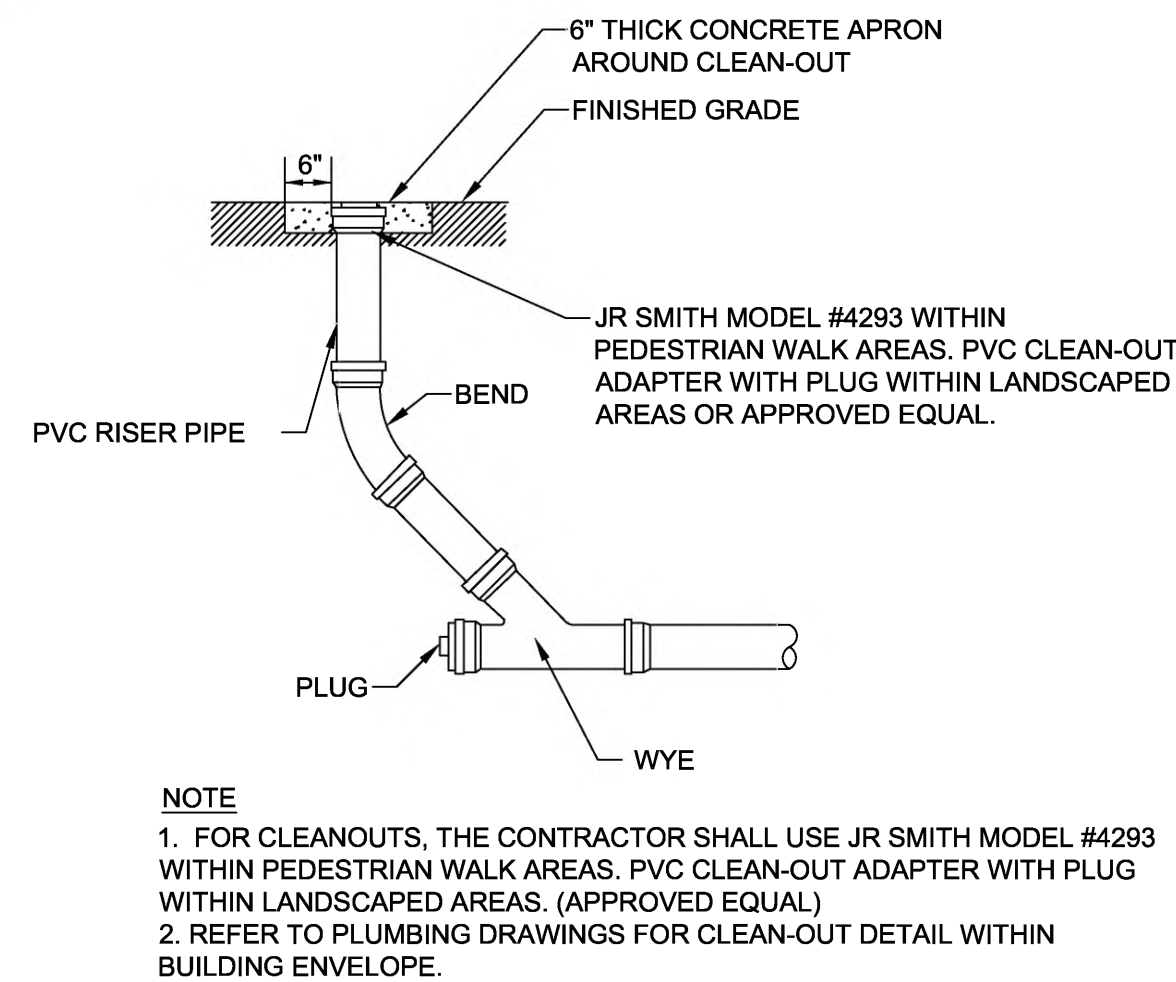
FLARED END SECTION DIMENSION SCHEDULE (INCH)							
PIPE DIAMETER (INCH)	WALL THICKNESS	A	B	C	D	E	SLOPE
12	2.0	4.00	24.0	48.9	72.9	30.0	3:1

6 CONCRETE FLARED END SECTION DETAIL  
N.T.S.



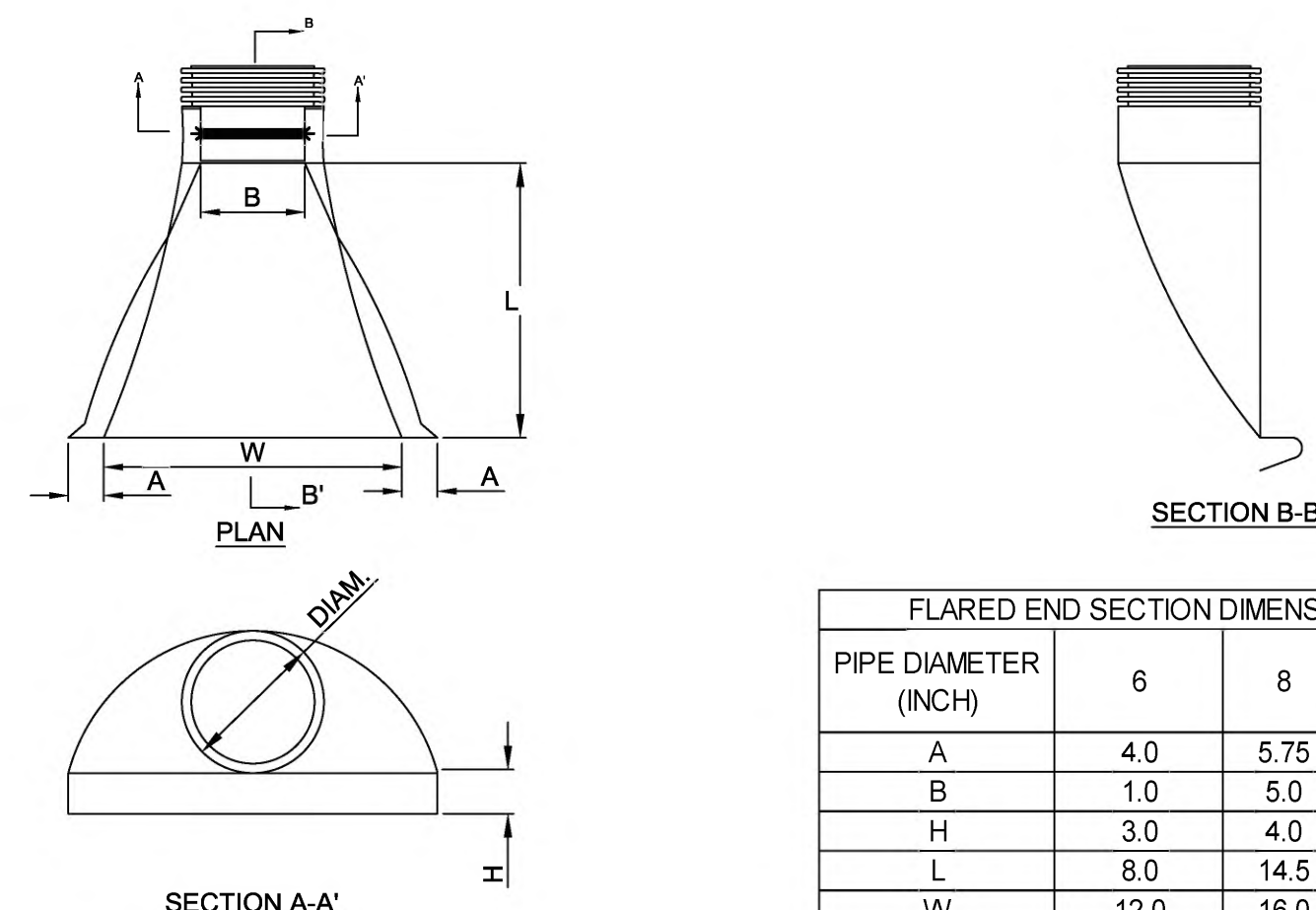
7 STRUCTURE STEP DETAIL  
N.T.S.

8 TYPICAL STORM & SANITARY CLEAN-OUT (CO) DETAIL  
N.T.S.



NOTE

- FOR CLEANOUTS, THE CONTRACTOR SHALL USE JR SMITH MODEL #4293 WITHIN PEDESTRIAN WALK AREAS, PVC CLEAN-OUT ADAPTER WITH PLUG WITHIN LANDSCAPED AREAS, (APPROVED EQUAL)
- REFER TO PLUMBING DRAWINGS FOR CLEAN-OUT DETAIL WITHIN BUILDING ENVELOPE.



FLARED END SECTION DIMENSION SCHEDULE (INCH)					
PIPE DIAMETER (INCH)	6	8	12	15	18
A	4.0	5.75	7.0	8.0	8.0
B	1.0	5.0	6.0	8.0	10.0
H	3.0	4.0	6.0	6.0	6.0
L	8.0	14.5	21.0	26.0	31.0
W	12.0	16.0	24.0	30.0	36.0

9 HDPE FLARED END SECTION DETAIL  
N.T.S.

**APPLICANT**  
EMPIRE RESORTS REAL ESTATE I, LLC  
204 STATE ROUTE 17B  
MONTICELLO, NY 12701

**SITE/CIVIL ENGINEER**



AKRF ENGINEERING, P.C.  
34 SOUTH BROADWAY, SUITE 401  
WHITE PLAINS, NY 10601  
(914) 949-7336

**SURVEYOR**

CONTRACTORS' LINE & GRADE  
SOUTH, LLC  
23 NEPPERHAN AVENUE  
ELMSFORD, NY 10523  
(914) 347-3141

**SURVEYOR**

INSITE ENGINEERING, SURVEYING, &  
LANDSCAPE ARCHITECTURE, P.C.  
3 GARRET PLACE  
CARMEL, NY. 10512  
(845) 225-9690



SONNY KONG, P.E.

REVISIONS

No.	DATE	DESCRIPTION

PROJECT

**MONSTER GOLF  
MAINTENANCE BUILDING  
FINAL DESIGN**

DRAWN BY	CHECKED BY
JWH	SK
SCALE	DATE
AS NOTED	06/28/2019

SHEET TITLE

**DETAILS**

SHEET NO.

**C-906**